

TYOLOGY

DEADLIEST AMERICAN DISASTERS AND LARGE LOSS-OF-LIFE EVENTS

**A Catalog of, and Notes on, Natural and Man-Made Events Causing Ten or More Fatalities
in America/The United States and its Territories
Since 1527**

Homepage: <http://www.usdeadlyevents.com/>

B. Wayne Blanchard, PhD
Blue Ridge Summit, PA

Copyright August 2017

March 17, 2024

Go to Homepage to access:

Event Typology (e.g. aviation, epidemics, explosions, fires heat, mining, hurricanes, violence).
https://www.usdeadlyevents.com/wp-content/uploads/2021/02/Typology-v-34_to.pdf

States, District of Columbia and Territories Breakout
https://www.usdeadlyevents.com/wp-content/uploads/2021/02/States-v-34_to.pdf

Rank-ordering within Types by State
https://www.usdeadlyevents.com/wp-content/uploads/2021/02/Rank-Orderingwithin-types-State-v34_to.pdf

Mortality Raking (Down to 500 Deaths)
https://www.usdeadlyevents.com/wp-content/uploads/2020/11/mortality-v32_to.pdf

Spreadsheet. (Contains URLs on right side of spreadsheet for several thousand documents which contain narrative information and sources. Range from one page to one hundred pages in length, but usually on the order of three to five pages each.)

<https://www.usdeadlyevents.com/spreadsheet/>

Chart showing the State with the highest number of events by type (10 or more deaths)
https://www.usdeadlyevents.com/wp-content/uploads/2020/09/Chart-showing-State-with-Highest-Number-of-Events-v31_to.pdf

About this project documents:
<https://www.usdeadlyevents.com/about-project/>

Listed by number of events:

Human	
Maritime Sea & Inland water craft	--1,458
Aviation (non-combat)	--1,135
Violence ¹	-- 509
Arson Manslaughter	43
Attacks/Battles (not during war)	57
Bombings	17
Civil War Atrocities/War Crimes	18
Crushing/Trampling/Suffocation	23
Dehydration	2
Forced Marches/Relocations	2
Governmental Use of Force	14
Labor-Related	23
Mass Hanging	1
Mass Murder/Manslaughter ²	14
Mass Suicide	1
Massacres by Native Americans	81
Massacres of Native Americans	88
Massacres/Atrocities, Other	14
Negligence	1
Plane bombs/deliberately crashed	7
Poisoning (intentional)	1
Political Violence	27
Prison Riots	3
Racial/Ethnic Incidents, Riots	49
Religious Incidents / Riots	9
Sabotage	4
Shootings/Gun Violence ³	40
School Shootings ⁴	--10
Shootout (2-28-1993 Davidians)	1
Shot down by air-to-air missile	1
Terrorism	15
Fires, Structural	-- 409
Mine, Quarry, Tunnel	-- 386
Rail ⁵	-- 359

¹ Sub-listings greater than Total due to cross-listings.
² See Shootings for Mass Murder using firearms.
³ Sub-type meant to capture essentially lone-gunman (exceptions e.g. Columbine in 1999 and the couple in San Bernardino 2015). Some will be cross-listed in Violence-School Shootings, and Violence-Terrorism. Do not include shooting events in such Violence sub-types as Labor, Racial, and Religious-Riots violence.
⁴ One school bombing (Bath) is included.
⁵ Trains, electric rail, trolleys, streetcars, subways.

Human (continued)

Explosions, commercial, indus., mil.	-- 251
Road/Hwy bus, car, coach, truck, van--	147
Structural Failures	-- 135
Bridge/Trestle, Rail	--27
Bridge, Road/Hwy	--11
Buildings/Components--	31
Construction	--21
Dam, Dike, Levee	--35
Other Structural	--13
Hazardous Materials Transportation	-- 38
Tainted Food, Drugs, Medication	-- 16
Carbon Monoxide / Gas Poisoning	-- 12
Wood Alcohol Poisoning	-- 9
Environmental Smog / Pollution	-- 3
Auto Racing Accidents	-- 1
Natural	
Diseases, infectious/contagious	--1,261
Tornadoes (including outbreaks)	-- 438
Flooding (not including Mines)	-- 214
Hurricanes & Tropical Storms	-- 202
Winter weather events/storms	-- 173
Heat	-- 113
Fog, as Contributing Factor	-- 99
Cold, exposure to excessive (per year)--	75
Fire--Forest, Prairie and Wildfires ⁶	-- 36
Landslides, Mudslides, Debris Flows	-- 21
Wind Storms/Severe Thunderstorms	-- 22
Avalanche/Snowslide	-- 20
Earthquakes	-- 17
Scurvy	-- 16
Starvation (hunger/thirst/exposure; year)--	16
Lightning and Lightning-Related	-- 12
Drownings (not watercraft related) ⁷	-- 11
Tsunamis	-- 6
Dust/Sand Storm/Dust Bowl-related	-- 5
Volcano	-- 3
Hail (aviation related)	-- 1
Paralytic Shellfish Poisoning (PSP)	-- 1
Southeaster North Pacific Storm (AK)--	1

⁶ Some wildfires noted were human-caused.
⁷ Perhaps could be placed in "Human" caused type. Also does not include flood or storm surge drownings

Typologies, Sub-Typologies (Alphabetical) Ten-or-More Deaths Large Loss-of-Life Events

Automobile Racing	--	1	
Avalanche/Snowslide	--	20	
Aviation (non-combat)	--	1135 ⁸	[Sub-Types to be completed.]
Air Shows and Races	--	3	
Bird Strike	--	3	
Helicopter/Tilt-Rotor	--	42	
Lighter-than-air balloons/blimps/dirigibles	--	8	
Military	--	767	
Parachuting/Skydiving	--	12	
US Shootdown of passenger plane	--	1	
Carbon Monoxide / Gas Poisoning	--	12	
Cold, exposure to excessive natural (per year)	--	75	
Diseases, especially communicable, esp. epidemics ⁹	--	1,261	
-- 21 adenovirus infection (sampling)			
-- 9 anthrax			
-- 67 chickenpox			(Sampling.)
-- 23 cholera			
-- 4 COVID-19 (Coronavirus)			
-- 6 croup			(Small sampling.)
-- 19 diarrhoea, enteritis and gastroenteritis of infectious origin			
-- 74 diphtheria			(Sampling.)
-- 51 dysentery / Shigellosis (sometimes listed with diarrhoea until more recent times)			
-- 8 encephalitis, esp. St. Louis Encephalitis and Acute Infectious Encephalitis (viral)			
-- 1 enterovirus outbreak (2014)			
-- 2 Hantavirus			
-- 13 hepatitis (viral/infectious), especially Hepatitis A			
-- 16 HIV (Human Immunodeficiency virus)			
--115 influenza (sometimes including pneumonia in that this is how data was presented)			
-- 5 Legionnaires' (Legionella pneumophila)			
-- 3 leprosy (Hansen's disease)			
-- 1 lung fever (pneumonia)			
-- 30 malaria/malarial fevers			(Sampling.)
-- 75 measles (Rubeola)			(Sampling.)
-- 55 meningococcal meningitis (includes early 19 th cent. "spotted fever" & cerebrospinal men.)			
-- 19 mumps			(Sampling)
-- 4 plague			
-- 3 pneumonia & Pleurisy ¹⁰			
-- 71 polio/acute and late effects of			(Sampling)

⁸ This includes events (primarily plane crashes) elsewhere than U.S. soil, where at least 10 Americans died.

⁹ An exception is inclusion of scurvy in this typology. Additionally, Legionnaires' is not communicable.

¹⁰ Not uncommon to see influenza and pneumonia listed together in mortality statistics. During Civil War US Army Surgeon Gen. reported on pneumonia and Pleurisy deaths amongst Confederate and Union prisoners of war by camp, which is why we have this category. Pleurisy is an inflammation of the pleura (or chest and lung linings). Top three causes are viral infection (e.g. influenza), bacterial infection (e.g. pneumonia), and fungal infection.

-- 20 rubella (German measles) (Sampling of years.)	
-- 65 scarlet fever (some years include streptococcal sore throat). Small sampling.	
--103 smallpox	Incomplete sampling of years.
-- 18 streptococcal toxic shock syndrome	
-- 2 syphilis	two noted thus far – 19,006 deaths in 1940; 2,381 in 1967.
--100 tuberculosis	Sampling of years to compare with other diseases.
-- 63 typhoid fever	Sampling of years to compare with other diseases.
-- 20 typhus/typhus-like fever	Sampling
-- 59 whooping cough	Sampling of years to compare with other diseases.
-- 98 yellow fever	
-- 22 Other	
Drownings (not watercraft, storm surge or flood related)--	11
Dust/Sand Storm/Dust Bowl-related	-- 5
Earthquakes	-- 17
Environmental Smog / Pollution	-- 3
Explosions, commercial/industrial/military	--251 (excludes maritime/mining; are separate)
Blasting agents/dynamite/explosives	
fireworks gunpowder/munitions	-- 98
Chemicals	-- 17
Dust	-- 14
Fumes, fuel vapor/natural gas, LNG, LPG--	47
Gasoline, Kerosene, Naphtha, Oil	-- 14
Machinery, Boilers, Engines	-- 29 (excluding maritime and mining)
Other	-- 7
Fires -- Forest, Prairie and Wildfires	-- 36
Fires, Structural	--409
Arson, Bombing	--41
Churches	-- 2
Commercial (retail)	--21
Conflagration, urban	--15
Entertainment (Nightclubs, Dance Halls, Gambling Halls, Supper/Social Clubs, Cocktail Lounges)	--19
Hotels/motels, country clubs, temp. lodging--	79
Industrial – production, manufacturing, warehouses, wholesale	-- 58
Institutional – Hospitals	-- 7
Institutional – mental asylums and boarding homes	-- 17
Institutional – nursing, convalescent, elderly boarding, retirement	-- 38
Institutional – Orphanages	-- 5
Institutional – Pauper and Poor Houses	-- 4
Institutional – Penal (Jails, Penitentiaries, Prisons, Prison Camps, Work Houses –	12
Institutional – Schools and Colleges	--12
Maritime (Docks)	-- 5
Residential (homes, houses)	--28

Tenements, apartments, boarding houses, row-houses, barracks	--74
Terrorism	-- 4
Theaters and Opera Houses	--11
Other	-- 9
Flooding and Flash Floods (not including mines)	-- 214
Flash Flooding	--98
Fog (as a contributing factor)	-- 99
Hail	-- 1
Hazardous Materials Transportation	-- 38
Heat	-- 113
Hurricanes and Tropical Storms	-- 202
Landslides, Mudslides, Debris Flows	-- 21
Lightning and Lightning-Related	-- 12
Maritime (sea and inland water craft)	--1458
Boiler Flue Collapse, Scalding ¹¹	-- 15
Collisions	--154
Disease (epidemical outbreaks)	-- 40
Explosions	--220
Fire	--119
Foundering (sinking/capsizing/swamped)	--134
Grounding (bars, reefs, rocks, shore)	--107
Lost (at sea)	--204
Offshore oil platforms/lift boats	-- 7
Snags and Sawyers	-- 43
Storms/gales/high seas	--399 (includes listings also found in hurricanes)
Submarine attacks on civilian vessels	--111 (includes one German torpedo boat attack)
Other	-- 35
Mining, Quarrying, Tunneling, Subsidence	-- 386
Mining	--364
Quarrying	-- 6
Subsidence	-- 1
Tunneling	-- 16
Rail ¹²	-- 359
Road/Highway Vehicular Events	-- 147
Automobile, pickup, SUV, van	--36
Bridge or Span Collapse	-- 8
Bus/Motorcoach (non-school-bus)	--50
Multi-vehicle crashes/pileups	-- 8
Rail crossings/collisions with trains	--33
School Buses	--12
Trucks (large)/tractor trailers/tankers	--35
Scurvy (ascorbic acid deficiency)	-- 16
Southeaster North Pacific (Alaska) Storm	-- 1

¹¹ When one or more flues inside a boiler collapse, can cause rupture, or explosion of the boiler and steam release. Include small number of cases of boiler piping breaks or bursts, resulting in scalding injuries and deaths.

¹² Rail type refers to trains, electric rail, trolleys, streetcars, and subways. Includes trains hitting vehicles at crossings

Starvation (hunger, thirst, exposure; all year)	--	16
Structural Failures	--	135
Bridge/Trestle, Rail	--	27
Bridge, Road/Hwy/pedestrian	--	11
Buildings/Components	--	31
Construction Work	--	21
Dam, Dike, Levee	--	36
Other Structural	--	13
Tainted Food, Drugs, Medications	--	16
Tornadoes (including outbreaks of more than one)	--	438
Tsunamis	--	6
Violence ¹³	--	509
Arson Manslaughter/Homicide	--	41
Attacks/Battles/ (not during war)	--	57
Bombings	--	17
Civil War Atrocities/War Crimes	--	18
Crushing/Trampling/Suffocation	--	23
Dehydration	--	2
Forced Marches/Relocations	--	2 (Incomplete – sampling)
Governmental Use of Force	--	14
Labor-Related	--	23
Mass Hanging	--	1
Mass Murder/killing sprees/manslaughter	--	14 (See Shooting Incidents for mass murder using firearms.)
Mass Suicide	--	1
Massacres by Native Americans	--	81 (includes several French and Native events)
Massacres of Native Americans	--	88
Massacres/Other	--	15
Negligence	--	1
Planes blown-up/crashed	--	7
Poisoning, intentional	--	1
Political Violence	--	27
Prison Riots	--	3
Racial/Ethnic Incidents/Riots	--	48
Religious Incidents / Riots	--	9
Sabotage	--	4
Shootings/Gun Violence	--	40
School Shootings	--	10 (one school bombing in Bath is included)
Workplace Shootings	--	6
Shootout (2-28-1993 ATF/Davidians)	--	1
Plane shot down by air-to-air missile	--	1
Terrorism	--	15
Volcano Eruptions	--	3
Wind Storms/Severe Thunderstorms	--	22
Winter Weather events, storms	--	173 (Includes spring snow/blizzards.)
Wood Alcohol Poisoning	--	9

¹³ Sub-listings greater than total due to cross-listings.

Top Ten Typologies (number of events in which 10 or more people died)

1. Maritime/sea & inland water craft	--1,458
2. Diseases, select communicable	--1,261
3. Aviation (non-combat)	--1,135 ¹⁴
4. Violence	-- 509
5. Tornadoes (including outbreaks)	-- 438
6. Fires, Structural	-- 409
7. Mine, Quarry, and Tunnel	-- 386
8. Rail	-- 359 (Trains/electric rail/trolleys/streetcars/subways)
9. Explosions, commercial, indus., mil.	-- 251
10. Flooding (not including Mines)	-- 214

Continuation of Typologies by number of events in which 10 or more people died.

11. Hurricanes & Tropical Storms	-- 202
12. Winter Weather events/storms	-- 173
13. Road/Hwy bus, car, coach, truck, van--	147
14. Structural Failures	-- 135
15. Heat	-- 113
16. Fog, as Contributing Factor	-- 99
17. Cold, exposure to excessive (per year)--	75
18. Hazardous Materials Transportation	-- 38
19. Fires -- Forest, Prairie and Wildfires	-- 36
20. Wind Storms/Severe Thunderstorms	-- 22
21. Landslides, Mudslides, Debris Flows	-- 21
22. Avalanche/Snowslide	-- 20
23. Earthquakes	-- 17
24. Scurvy (ascorbic acid deficiency)	-- 16
25. Starvation (hunger/thirst/exposure)	-- 16
26. Tainted Food, Drugs, Medications	-- 16
27. Carbon Monoxide / Gas Poisoning	-- 12
28. Lightning and Lightning-Related	-- 12
29. Drownings, esp. swimming (events)	-- 11 (not watercraft, storm surge, or flood related)
30. Wood Alcohol Poisoning	-- 9
31. Tsunamis	-- 6
32. Dust/Sand Storm/Dust Bowl-related	-- 5
33. Environmental Smog / Pollution	-- 3
34. Volcano	-- 3
35. Auto Racing Accidents	-- 1
36. Hail (aviation related)	-- 1
37. Southeaster North Pacific (AK) storm--	1
38. Tainted medications	-- 1

The “Types” noted below could be reorganized into “Natural,” “Man-Made” (Non-Intentional),

¹⁴ This includes events elsewhere than U.S. soil, where at least 10 Americans died – non-combat.

and “Man-Made (Intentional) – or other broad typologies of one’s preference. However, because of the interrelationships which exist amongst hazard “Types” we have chosen instead to seek to “deconstruct” possible broader characterizations of the disaster “Types” below.

We do not assert a consensus in the hazard, disaster and “what to do about them” (emergency management) communities concerning this chosen methodology. It simply serves to advance the author’s thinking about hazards, hazard risk assessment, and the place of hazard mortality risk within a risk management framework. A more informed awareness of historical disasters might contribute to future risk mitigation.

AUTOMOBILE RACING Incidents -- Deadliest American

1. 1911 -- Sep 16, Race Car crashes through fence, Syracuse State Fair, NY -- 10

Other:

2. 2008 -- Feb 16, Car hits street race spectators, Indian Head Highway, Accokeek, MD¹⁵ -- 8
3. 2010 -- Aug 14, Cal 200 Race crash into Crowd, Soggy Dry Lake Bed, Mojave Desert, CA-8
4. 1910 -- Auto Racing Accident, Long Island Motor Parkway, NY -- 4
5. 1913 -- Sep 01, Labor Day Race Wreck, State Fair Grounds, Nashville, TN -- 4
6. 1909 -- Aug 20, Car Racing Wreck, Indianapolis, IN -- 3
7. 1937 -- May 16, Spectators Killed, Langhorne Speedway, Langhorne, PA -- 3
8. 1998 -- July 26, Racing Crash, Spectators Killed, U.S. 500, Brooklyn, MI -- 3
9. 1999 -- May 1, Spectators killed by debris; VisionAire 500 Race crash, Concord, NC -- 3

¹⁵ Cross-listed in Road/Highway.

AVALANCHE/Snow or Ice Slide – Deadliest American – By Fatalities

1.	1910 -- Mar 01, avalanche derails two trains, Stevens Pass, Wellington, WA ¹⁶	--96-118
2.	1906 -- Feb 27, avalanche, Wallace, ID	-- 75
3.	1898 -- Apr 03, avalanche, Palm Sunday outbreak, Chilkoot Trail, Skagway, AK	-- 73
4.	1867 – avalanche hits mining camps, Wasatch Range, Alta, UT	--60-65
5.	1906 -- Feb 29, avalanche, Mace, CO	-- 60
6.	1926 -- Feb 17, avalanche, Sap Gulch, Bingham, UT	--39-40
7.	1885 -- Feb 13, avalanche, Alta, UT	-- 30
8.	1910 -- Feb 27-28, snowslides, Coeur d'Alene District, esp. Mace & Burke, ID	--19-24
9.	1902 -- Feb 28, avalanche, Liberty Bell Mine snow slide, near Telluride, CO	-- 19
10.	1911 -- Mar 10?, avalanches, Mono County, CA	-- 17
11.	1917 -- Feb 25, avalanche, North Star Gold/Lead/Silver Mine snow slide, Hailey, ID	-- 17
12.	1906 -- Mar 18/19, snowstorm, avalanches, CO	-- 16
13.	1884 -- Mar 11~, avalanche, Woodstock, CO	-- ~15
14.	1883 -- Dec 25, avalanche (Mendota Slide), near Telluride, CO	-- 13
15.	1884 -- Mar 07, avalanche, New Emma Mine, Alta, New Cottonwood, UT	-- 12
16.	1911 -- Mar 11, avalanche, Hydro-Electric Company plant employees, Jordan, NV	-- 8-11
17.	1981 -- June 21, ice fall/avalanche, Ingraham Glacier climbers, Mt. Rainier, WA	-- 11
18.	1883 -- Jan 30, avalanche, American Fork Canyon, UT	-- 10
19.	1883 -- Jan 30, avalanche, Howard Smith Coal Mine, near Crested Butte, CO	-- ~10
20.	1899 -- Feb 12, avalanche, Silver Plume, CO	-- 10
Other:		
	1916 -- Jan 22, avalanche hits Cascade Limited train, Cascades, near Corea Station, WA	-- 7-8
	1962 -- Jan 21, Mt. Elbert avalanche, hits homes, Twin Lakes, near Leadville, CO	-- 7
	1982 -- Mar 31, Alpine Meadows, California, avalanche,	-- 7
	2007 -- Feb 17-18, avalanche deaths; Utah (4); Montana (2); Idaho (1)	-- 7
	1999 -- Mar 21, avalanche, snowmobilers buried, Turnagain Pass, Kenai Mts., AK	-- 6
	1993 -- Dec 31, avalanche kills snowmobilers, Swan Range, near Big Fork, MT	-- 5
	2013 -- Apr 20, avalanche, snowboarders, west flank Mt. Sniktau ~Loveland Pass, CO	-- 5

¹⁶ Cross-listed in Rail.

AVALANCHE/Snow or Ice Slide – Deadliest American – Chronological

1. 1867 -- avalanche, mining camps, Wasatch Range, Alta, UT --60-65
2. 1883 -- Jan 30, avalanche, American Fork Canyon, UT -- 10
3. 1883 -- Jan 30, avalanche, Howard Smith Coal Mine, near Crested Butte, CO -- ~10
4. 1883 -- Dec 25, avalanche (Mendota Slide), Near Telluride, CO -- 13
5. 1884 -- Mar 07, avalanche, New Emma Mine, Alta, UT -- 12
6. 1884 -- Mar 11~, avalanche, Woodstock, CO -- ~15
7. 1885 -- Feb 13, avalanche, Alta, UT -- 30

8. 1898 -- Apr 03, avalanche, Palm Sunday outbreak, Chilkoot Trail, Skagway, AK -- 73
9. 1899 -- Feb 12, avalanche, Silver Plume, CO -- 10

10. 1902 -- Feb 28, avalanche, Liberty Bell Mine snowslide, Near Telluride, CO -- 19
11. 1906 -- Feb 27, avalanche, Wallace, ID -- 75
12. 1906 -- Feb 29, avalanche, Mace, CO -- 60
13. 1906 -- Mar 18/19, snowstorm and avalanches, CO -- 16

14. 1910 -- Mar 01, avalanche derails two trains, Stevens Pass, Wellington, WA --96-118
15. 1910 -- Feb 27-28, snowslides, Coeur d'Alene District, esp. Mace & Burke, ID --19-24
16. 1911 -- Mar 10?, avalanches, Mono County, CA -- 17
17. 1911 -- Mar 11, avalanche, Hydro-Electric Company plant employees, Jordan, NV -- 8-11
- 1916 -- Jan 22, avalanche hits Cascade Limited train, Cascades, near Corea Station, WA--7-8
18. 1917 -- Feb 25, avalanche, North Star Gold/Lead/Silver Mine snowslide, Hailey, ID -- 17

19. 1926 -- Feb 17, avalanche, Sap Gulch, Bingham, UT --39-40

- 1962 -- Jan 21, Mt. Elbert avalanche hits homes, Twin Lakes, near Leadville, CO -- 7

20. 1981 -- June 21, ice fall/avalanche, Ingraham Glacier climbers, Mt. Rainier, WA -- 11

- 1982 -- Mar 31, avalanche, Alpine Meadows, CA -- 7

- 1993 -- Dec 31, avalanche kills snowmobilers, Swan Range, near Big Fork, MT -- 5
- 1999 -- Mar 21, avalanche, Snowmobilers buried, Turnagain Pass, Kenai Mts., AK -- 6

- 2007 -- Feb 17-18, avalanche deaths; Utah (4); Montana (2); Idaho (1) -- 7
- 2013 -- Apr 20, avalanche, snowboarders, west flank Mt. Sniktau ~Loveland Pass, CO-- 5

AVIATION Disasters -- Master Set -- (Including Puerto Rico)¹⁷ -- By MORTALITY

1. 2001 -- Sep 11, American 11 hi-hacked, flown into WTC North, NY¹⁸ --1,392-1,431
2. 2001 -- Sep 11, United Air 175 hi-jacked, flown into WTC South, NY¹⁹ -- 665
3. 1977 -- Mar 27, KLM 4805/Pan Am 1736 collide in fog, Tenerife Airport, Canary Isl. -- ~339
4. 1988 -- July 03, USS *Vincennes* missile cruiser shoots down Iran Air 655, Persian Gulf²⁰-290
5. 1979 -- May 25, American Airlines #191 takeoff crash, O'Hare IAP, Chicago, IL -- 273
6. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland²¹ --(189 U.S.)-270
7. 2001 -- Nov 12, American Airlines flight 587 plane crash, Bell Harbor, Queens, NY -- 265
8. 1985 -- Dec 12, US mil. charter, Arrow Air #1285 crash, Gander, Newfoundland, Can.-- 256
9. 1996 -- July 17, TWA Flight 800, from JFK explodes over Atlantic Ocean off NY -- 230
10. 1999 -- Oct 31, Egypt Air 990 plane crash, mass murder, off Nantucket Island, MA²² -- 217

11. 2001 -- Sep 11, American Airlines #77, Pentagon attack, Arlington VA²³ -- 189
12. 1995 -- Dec 20, American Air 965 crash, incorrect approach, Buga, Colombia --≤46 US of 159
13. 1987 -- Aug 16, Northwest Airlines Flight 255 takeoff crash, hits cars, Detroit, MI -- 156
14. 1975 -- Apr 04, Operation Babylift C-5 crash ~Tan Son Nhut AB, Vietnam --50-52US of 155
15. 1982 -- July 09, Pan Am 759 takeoff crash (windshear), NOIA, Kenner, LA²⁴ --153-154
16. 1978 -- Sep 25, Pacific Southwest 182/Cessna collide, fall onto homes, fire, San Diego, CA-- 144
17. 1985 -- Aug 02, Delta Flight 191, wind shear, crash, Dallas-Fort Worth IAP, TX -- 137
18. 1960 -- Dec 16, United/TWA plane crash, Staten Island/Brooklyn, NY -- 134
19. 1994 -- Sep 08, US Air Flight 427 crashes, Aliquippa, near Pittsburgh Airport, PA -- 133
20. 1953 -- June 18, USAF Globemaster II plane crash, Tachikawa AFB, Tokyo, Japan -- 129
21. 1956 -- Jun 30, TWA 2 & United 718 planes collide, Grand Canyon AZ -- 128
22. 1962 -- Jun 03, Air France Boeing 707 (charter) takeoff crash, Orly AP, Paris, France--130/US121
23. 1998 -- Sep 2, Swissair 111 (NY to Geneva) crashes off Peggy's Cove, N.S., Can--229 (US 117)
24. 1975 -- Jun 24, Eastern Flight 66 plane crash, microburst, JFK Airport, NY -- 113
25. 1989 -- July 19, United Flight 232 hydraulic system failure/crash, Sioux City, IA²⁵ -- 112
26. 1971 -- Sep 04, Juneau approach crash, Alaska Air 1866, Mt. Fair (Chilkats), AK -- 111
27. 1996 -- May 11, ValuJet Flight 592 cargo hold fire and crash, Everglades, FL -- 110
28. 1962 -- Mar 15, MATS charter Flying Tiger #739 disappears, Philippine Sea --104 US of 107
29. 1963 -- Jun 03, Northwest Air 293 plane crash, North Pacific, off Annette Island., AK-- 101
30. 1972 -- Dec 29, Eastern Airlines Flight 401 plane crash, Everglades, FL -- 101
31. 1974 -- Jan 30, Pan Am 806 landing crash and fire, Pago-Pago, American Samoa -- 97
32. 1962 -- Mar 01, American Air Flight 1 plane crash, Jamaica Bay, Queens, NY -- 95

¹⁷ With a few notable exceptions have not included US General Aviation disasters overseas.

¹⁸ Cross-listed in Violence-Terrorism.

¹⁹ Cross-listed in Violence-Terrorism.

²⁰ No Americans killed, but an American disaster in that a US Navy vessel, having intruded into Iranian territorial waters, shot down an Iranian passenger airliner without definitive knowledge that the target was military, thus representing a threat. Retrieved onboard screen shots showed that target was identified as civilian transponder code, at high altitude, ascending, not descending, as claimed at the time. Cross-listed in Maritime.

²¹ Cross-listed in Violence-Bombing and Violence-Terrorism.

²² Cross-listed in Violence-Mass Murder

²³ Cross-listed in Violence-Terrorism.

²⁴ The difference in number of fatalities is whether or does or does not include the death of an unborn seven-month-old fetus. On July 13, 1982 the Jefferson Parish coroner added the unborn fetus to his list of deaths (154).

²⁵ 111 deaths at the time and one of the seriously injured who died 31 days later from their burn injuries.

33. 1983 -- Sep 01, Korean Air 007 (NY to Seoul) shot down by USSR off Sakhalin Isl.²⁶--269 (US 61-94)
 34. 1974 -- Dec 01, TWA Flight 514 flies into Mt. Weather, VA, -- 92

AVIATION Disasters – Deadliest American -- Master Set -- By MORTALITY (Cont.)

35. 1966 -- Mar 05, air turbulence, BOAC plane breakup/crash, Mount Fuji, **Japan** --124/US89
 36. 1973 -- July 31, Delta Air Flight 723 crash in fog, hits seawall, Logan, Boston, MA²⁷ -- 89
 37. 2000 -- Jan 31, Alaska Airlines Flight 261 crash, off Point Mugu, Ventura Co., CA -- 88
 38. 1952 -- Dec 20, USAF Globemaster takeoff crash, Moses Lake near Larson AFB, WA-- 87
 39. 2001 -- Sep 11, American Air 11 hijacked, flown into WTC North, NY²⁸ -- 87
 40. 1964 -- Mar 1, snowstorm, Paradise Air 901A crash, Lake Tahoe approach, Genoa Peak NV-- 85
 41. 1968 -- May 03, Braniff Flight 352 plane crash, thunderstorm, Houston to Dallas TX -- 85
 42. 1965 -- Feb 08, Eastern Air # 663 plane crash, Jones Beach State Park, NY -- 84
 43. 1965 -- June 25, USAF Stratolifter crash after takeoff, Loma Ridge, El Toro MCAS, CA --all 84
 44. 1969 -- Sep 09, Allegheny Air Flight 853 and Piper collide, Fairland, IN -- 83
 45. 1966 -- Apr 22, American Flyers Airline Flight 280/D plane crash, NE, Ardmore, OK -- 83
 46. 1967 -- July 19, Piedmont Flight 22 and Cessna 310 collide, Asheville, NC -- 82
 47. 1986 -- Aug 31, Aeronaves de Mexico 498 & Piper collide, Cerritos, CA (15 on ground)-- 82
 48. 1963 -- Dec 8, Pan Am Flight 214 plane crash (lightning), Elkton, MD -- 81
 49. 1960 -- Sep 19, World Airways (Military Air Transport) crash/fire, Mt. Barrigada, Guam--80
 50. 1964 -- May 11, USAF C-135 hits fence/crashes, landing, Clark US AB, **Philippines** --79-80
51. 1961 -- Sep 1, TWA 529 longitudinal control loss/crash, near Chicago-Midway AP, IL--all 78
 52. 1982 -- Jan 13, Air Florida 90 plane crash, 14th St. Bridge/Potomac River, Wash., DC -- 78
 53. 1961 -- Nov 8, Imperial Airlines (military contract), engine failure/crash/fire, Richmond VA--77
 54. 1933 -- Apr 04, storm, USN dirigible *Akron* crash/73, 2 rescuers, off Barnegat City, NJ-- 75
 55. 1970 -- Nov 14, Southern Airways Flight 932 plane crash, Huntington, WV -- 75
 56. 1956 -- June 20, Linea Aeropostal Venezolana emer. landing approach fire/crash off NJ --all 74
 57. 1979 -- Oct 31, Western Airlines Flight 2605 crash, **Mexico City** Int. Airport --34 U.S. of 73
 58. 1990 -- Jan 25, Avianca #52 runs out of fuel/crashes, Cove Neck, Long Island, NY -- 73
 59. 1974 -- Sep 11, Eastern Air Flight 212 crashes in fog, Charlotte, NC -- 72
 60. 1977 -- Apr 04, Southern Airways Flight 242 crash, thunder/hailstorm, Hope, GA²⁹ -- 72
 61. 1967 -- Nov 20, TWA Flight 128 plane crash, Constance, KY -- 70
 62. 1985 -- Jan 21, Galaxy Air Charter Flight 203 plane crash, Reno NV -- 70
63. 1994 -- Oct 31, American Eagle Flight 4148 plane crash, icing, Roselawn, IN -- 68
 64. 1957 -- Mar 22, USAF MATS C-97C, Travis AFB CA to Tokyo, lost ~200M from **Tokyo**-- 67
 65. 1955 -- Mar 22, USN R6D-1 flies into Waianae Range ~Lualualei Navy Depot, HI --all 66
 66. 1955 -- Aug 11, two USAF C-119 Flying Boxcars collide over Edelweiler, **Germany** --all 66
 67. 1955 -- Oct 06, United Air Lines Flight 409 flies into Medicine Bow Peak, WY --all 66
 68. 1959 -- Feb 03, American Flight 320 crashes into East River, NYC, NY -- 65
 69. 2001 -- Sep 11, American Airlines hijacked, flown into Pentagon, Arlington VA³⁰ -- 64

²⁶ 61-62 were U.S. citizens (depending on source). Thirty-two were foreign nationals living in the U.S.

²⁷ Cross-listed in Fog as contributing condition.

²⁸ Cross-listed in Violence-Terrorism; figure does not include 5 al-Qaeda Terrorists.

²⁹ Cross-listed in Hail as a contributing condition.

70. 1960 -- Mar 17, Northwest Flight 710 breaks-up and crashes near Tell City, IN -- 63
 71. 1960 -- Oct 04, Eastern Airlines Electra hits birds, crashes, Logan, Boston, MA -- 62
 72. 1960 -- Feb 25, USN R6D & Brazilian DC-3 collide off Rio de Janeiro, Brazil--35/USN of 61
 73. 2001 -- Sep 11, United Air 175 hi-jacked, flown into World Trade Center South, NY³¹-- 60

AVIATION Disasters – Deadliest American -- Master Set -- By MORTALITY (Cont.)

74. 1956 -- Oct 10, USN MATS plane, 1st leg UK to Azores, lost ~250M SE Land's End, Eng.-- 59
 75. 1965 -- Aug 24, USMC Lockheed Hercules takeoff crash into seawall, Hong Kong -- 59
 76. 1950 -- Jun 23, NW Orient 2501 disappears, Lake Michigan, near Benton Harbor, MI -- 58
 77. 1953 -- July 12, Transocean Air Flight 512 crash, Pacific Ocean, Wake Isl. to HI -- 58
 78. 1964 -- Feb 25, Eastern Air Flight 304 crashes in Lake Pontchartrain, LA -- 58
 79. 1965 -- Nov 08, American 383 plane crash, ~Cincinnati/N KY Airport, Constance, KY-- 58
 80. 1951 -- Dec 16, Miami Airlines engine fire on takeoff, crash, Elizabeth City, NJ --all 56
 81. 1949 -- Nov 01, Eastern Air 537 & Lockheed P-38 collide, south of National AP, VA³²-- 55
 82. 1950 -- Aug 31, TWA 903 engine loss after takeoff, crash landing ~Cairo, Egypt--23US of 55
 83. 1970 -- Aug 09, LANSA 502 takeoff crash (49 US HS students) ~Cuzco AP, Peru--101/US54-55
 84. 1947 -- May 30, Eastern Air Lines Flight 605 plane crash, Near Bainbridge, MD -- 53
 85. 1949 -- June 07, Strato-Freight Inc. loses engine after takeoff, crashes off San Juan, PR-- 53
 86. 1951 -- Mar 22, USAF C-124A Globemaster lost after ditching, No. Atlantic, off Ireland--all 53
 87. 1960 -- Dec 17, USAF C-131 Samaritan takeoff crash, Munich, Germany --20 US of 51-53
 88. 1947 -- Oct 24, United 608 fire and emer. Indg. attempt crash ~Bryce Canyon AP, UT-- 52
 89. 1952 -- Apr 11, Pan Am Air 526, takeoff engine failure, crash, off San Juan, Puerto Rico-- 52
 90. 1952 -- Nov 22, USAF MATS C-124 A Globemaster II crash, Mount Gannett, AK -- 52
 91. 1947 -- June 13, Pennsylvania-Central Air Flight 410 too-low crash ~Lookout Rock, WV--50
 92. 1951 -- June 30, United Flight 610 flies into Crystal Mt., 18M from Ft. Collins, CO -- 50
 93. 1951 -- Aug 24, United 615 too-low crash in fog on approach to Oakland AP, Decoto, CA--all 50
 94. 1952 -- Apr 29, Pan Am 202 structural failure in-flight & crash, central Brazil --19US of 50
 95. 1960 -- Jan 18, Capital Airlines Flight 20 plane crash near Charles City, VA -- 50
 96. 1964 -- Nov 23, TWA 800 takeoff engine malfunct., hits grader/fire/explos., Rome Italy--28US of 50
 97. 1971 -- June 06, Hughes Air 706 & Marine Corps Phantom II collide, Duarte, CA -- 50
 98. 2009 -- Feb 12, Colgan Air/Continental Flight 3407 plane crash, Clarence Center, NY-- 50
99. 1958 -- Apr 21, United 736 & USAF F-100 fighter jet collide, near Las Vegas, NV -- 49
 100. 1961 -- Feb 15, US figure-skating team/18; Sabena Air #548 crash, Berg, Belgium--73/US 49
 101. 2006 -- Aug 27, Comair Flight 5191 takeoff crash, Lexington, KY -- 49
 102. 1958 -- Feb 01, USAF C-118A/all 41 & USN P2V-5F/6 planes collide, Norwalk, CA-- 48
 103. 1958 -- Apr 06, Capital Airlines Flight 67 plane crash, near Freeland, MI -- 47
 104. 1970 -- Nov 27, Capitol Air Douglas DC-8 takeoff crash, Anchorage, AK -- 47
 105. 1953 -- Feb 14, National Air 470 structural failure, extreme turbulence, Gulf of MX off Mobile, AL-46
 106. 1956 -- July 13, USAF takeoff/windshear plane crash, near Brown's Mills, NJ -- 46
 107. 1966 -- Jan 25, USAF transport in-flight engine fire & crash ~Binh Khe, So. Vietnam-- 46
 108. 1962 -- May 22, Continental No. 11 intentionally blown-up over Unionville, MO³³ -- 45

³⁰ Cross-listed in Violence—Terrorism.

³¹ Cross-listed in Violence—Terrorism; figure does not include the five terrorists.

³² Was largest US aviation loss-of-life event at the time. Half the wreckage landed in VA, half in Potomac (DC).

AVIATION Disasters – Deadliest American -- Master Set -- By MORTALITY (continued)

109. 1972 -- Dec 08, United Flight 533 plane crash, Midway Airport, Chicago, IL -- 45
110. 2001 -- Sep 11, United Airlines N591UA hijacked, crashed, Shanksville, PA³⁴ -- 45
111. 1945 -- May 23, USAAF C-46 ambulance flight, engine fire/crash, TAILLEFONTAINE, France--44
112. 1945 -- Nov 3, USAAF C-54 wrong route crash, Himalayan Mts. ~Chukha, Bhutan, India-- 44
113. 1950 -- Jan 26, USAF SAC C-54 transport disappears, Yukon Territory, Canada -- 44
114. 1952 -- Nov 14, USAF C-119C Flying Boxcar flies into mt. (overcast), 20M E of Seoul, Kor.--all 44
115. 1953 -- July 17, USN R4Q plane (with NROTC) takeoff crash/fire, near Milton, FL -- 44
116. 1955 -- Nov 01, United 629 blown-up (relative of passenger bomb), Longmont, CO -- 44
117. 1957 -- Nov 09, Pan Am Flight 7 lost in Pacific from SF to Honolulu, HI -- 44
118. 1962 -- Sep 10, USAF SAC tanker crash/Fairchild approach, Mt. Kit Carson ~Spokane, WA--44
119. 1964 -- May 07, Pacific Air 773 pilot shot, plane crash, San Ramon, CA³⁵ -- 44
120. 1947 -- May 29, United Air Lines 521 take-off crash and fire, La Guardia, NY -- 43
121. 1948 -- June 17, United Air #624 CO₂ in cockpit/crash ~Mount Carmel ~Shamokin PA--43
122. 1951 -- Apr 25, Cubana Flight 493 & US Navy Beechcraft collide off Key West, FL--all 43
123. 1963 -- Feb 12, Northwest Air Flight 705 plane crash, Everglades, near Miami, FL -- 43
124. 1965 -- Nov 11, United 227 approach crash, Salt Lake City Airport, UT -- 43
125. 1970 -- Oct 2, USAF C-130 transport plane crash into mountain near Taipei, Taiwan-- 43
126. 1987 -- Dec 07, Pacific Southwest No, 1771 hijacked/crashed, Cayucos, CA³⁶ -- 43
127. 1954 -- Oct 30/31, USN Lockheed R7V transport plane disappears off Ocean City, MD--42
128. 1959 -- Nov 16, National Airlines Flight 967 brought down, Gulf of Mexico³⁷ -- 42
129. 1968 -- Jan 8, USMC helicopter flies into mountain, fog/light rain, ~Quang Tri, S. Vietnam- all 42
130. 1947 -- May 29, USAAF C-54 approach crash near Atsugi Air Base, Japan --all 41
131. 1951 -- June 22, Pan American Flight 151 flies into hill ~Monrovia, Liberia --13 US of 40
132. 1953 -- Jan 7, Associated Air Transport (mil. charter) crash/turbulence, W of Fish Haven, ID--all 40
133. 1956 -- Feb 17, USN DC-4 flies into terrain, USN crew/5; USMC/35 near Niles, CA--all 40

134. 1946 -- Oct 03, American Overseas Air takeoff crash, Harmon Field AFB, Newfoundland-- 39
135. 1950 -- July 23, USAF C46 with 31 TN NG, loses aileron on takeoff, crashes, Myrtle Beach, SC--all 39
136. 1964 -- July 09, United Air Flight 823 Fire/Crash near Parrottsville, TN -- 39
137. 1968 -- Dec 2, Wien Consolidated Air #55 loses wing/turbulence/crashes, Pedro Bay, AK- 39

138. 1950 -- Dec 19, USAF Douglas C-54G transport crash, Mt. Tabayoc, Luzon, Philippines--all 38
139. 1967 -- Mar 05, Lake Central Airlines Flight 527 plane crash near Marseilles, OH -- 38
140. 1969 -- Jan 18, United Flight 266 system failure and plane crash, Ocean off LA, CA-- 38
141. 1973 -- July 23, Ozark Air Flight 809 hit by downburst, plane crashes, St. Louis, MO-- 38

142. 1945 -- Mar 10, USAAF C-46 med. evac. flight mt. crash ~Tanauan Airfield, Leyte, Philippines-- 37
143. 1948 -- Aug 29, Northwest 421 wing structural failure in thunderstorm/crash NW of Winona MN-37
144. 1951 -- July 21, Canadian Pacific Air (US military charter), lost, Gulf of AK near Sitka--37

³³ Cross-listed under Violence-Mass Murder

³⁴ Cross-listed in Violence -- Terrorism

³⁵ Cross-listed in Violence-Mass Murder.

³⁶ Cross-listed in Violence-Mass Murder.

³⁷ Cross-listed in Violence-Mass Murder.

- 26 US servicemen
 - 3 civilians attached to the US Army
 - 6 Canadian crew
 - 2 Royal Canadian Navy personnel
145. 1952 -- Nov 28, USAF Douglas C-54 aborted approach crash ~McChord AFB/Tacoma, WA--37
 146. 1959 -- June 26, TWA 891 fuel explosion, thunderstorm static electricity, Italy --70; US 37
 147. 1961 -- Sep 17, Northwest Flight 706, takeoff crash, O'Hare, Chicago, IL -- 37
 148. 1976 -- Apr 27, American Air Flight 625, crash, St. Thomas, Virgin Islands -- 37
 149. 1971 -- Aug 18, USAF Chinook helicopter loses blade/crashes ~Pegnitz, W. Germany-- 37
 150. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia--37
 - May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23³⁸
 - May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
 - May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
 151. 1994 -- July 02, US Air Douglas DC-9 plane crash, Charlotte, NC -- 37

AVIATION Disasters –Deadliest American-- Master Set -- By MORTALITY (continued):

152. 1937 -- May 6, Deutsche Zeppelin Hindenburg Air crash, Lakehurst, NJ -- 36
153. 1951 -- Nov 13, USAF C-82 Flying Boxcar crashes into Puy de Sancy Mt., France --all 36
154. 1952 -- Jan 19, US mil. charter, NW Orient 324 (Korea-WA) crash, off Sandspit B.C.-- 36
155. 1974 -- Mar 13, Sierra Pacific Air fl. 802 charter crash into Mt. near Bishop, CA --all 36

156. 1943 -- Jan 15, USAAF C-54 (TWA Contract), crash, Dutch Guiana [Suriname] -- 35
157. 1949 -- July 12, Standard Air 897 hits mt. in fog on approach to Burbank CA³⁹ -- 35
158. 1950 -- Apr 21, off-course USAF C54 flies into Mt. Hirugatake at night ~Atsugi, Japan --all 35
159. 1953 -- Mar 20, Transocean Air 942 (military charter) approach crash, NE of Alvarado, CA --all 35
160. 1954 -- Feb 01, USAF C46 fire and crash, Tsugaru Strait, off Hokkaido, Japan -- 35
161. 1967 -- June 17, USAF C-130 aborted take-off crash, An Khe airstrip, South Vietnam-- 35
162. 1968 -- Aug 10, Piedmont Air 230 plane crash in fog, Charleston, WV -- 35
163. 1969 -- Feb 18, Hawthorne Nevada/Mineral County Air 708 plane crash, Mt. Whitney, CA--all 35
164. 1973 -- July 22, Pan Am 816 plunges into sea after takeoff, Papeete, Tahiti --78/US 35
165. 1996 -- Apr 03, USAF plane crash (Sec. Com. Ron Brown) ~Dubrovnik, Croatia -- 35

166. 1922 -- Feb 21, dirigible *Roma* crashes, Hampton Roads Naval Base, VA -- 34
167. 1943 -- Feb 18, Boeing XB-29 crash into Frye Packing Plant, fire, Seattle, WA⁴⁰ --32-34
168. 1945 -- Feb 04, USAAF C-46 Commando on-board fire, crash ~55M NW Jorhat, India-- 34
169. 1959 -- Sep 29, Braniff Air Flight 542 breaks-up near Buffalo, TX -- 34
170. 1960 -- Jan 06, National Airlines Flight 2511 blown-up by dynamite, Bolivia, NC --all 34
171. 1967 -- Jun 23, Mohawk Air Flight 40 fire and plane crash, near Blossburg, PA -- 34
172. 1980 -- Sep 12, Florida Commuter Airlines crash (not found) off Freeport, Bahamas-- 34
173. 1991 -- Feb 01, landing USAir 1493 hits SkyWest 5569 on runway, LAX, CA -- 34

174. 1952 -- Feb 11, National Air 101 takeoff engine loss/return attempt/crash, Elizabeth, NJ--33

³⁸ Additionally four US Marines were killed in combat (1) or captured and executed by the Khmer Rouge (3).

³⁹ Cross-listed in Fog as contributing condition.

⁴⁰ Cross-listed in Fire-Structural.

AVIATION Disasters –Deadliest American-- Master Set -- By MORTALITY (continued):

175. 1946 -- Dec 10, USMC R5C-1 transport flies into So. Tahoma Glacier, Mt. Rainier, WA--32
176. 1948 -- Jan 28, Airline Transport Carriers crash (U.S. INS charter) ~Coalinga, CA -- 32
177. 1948 -- Dec 28, Airborne Transport charter crash (elec. sys.), San Juan PR-Miami, off FL-- 32
178. 1968 -- Oct 25, Northeast Air 946 approach crash in fog, Moose Mt., NH -- 32
179. 1970 -- Oct 2, Golden Eagle Aviation charter crash, WSU FB team, w. of Silver Plume, CO--32
180. 1945 -- Apr 23, USAAF B-17 taking on-leave troops to Ireland, crash ~Ramsey, Isle of Man--31
181. 1945 -- May 6, USAAF C-46 carrying litter patients, hits radar towers, Gibbets Hill, UK--31
--30 on C-46 44-77839 (all), Gibbets Hill, Hindhead, Surry, England
-- 1 Canadian soldier manning the radar tower station
182. 1959 -- May 12, Capital Air Flight 75 plane crash in storm, near Chase, MD -- 31
183. 1969 -- Apr 15, USN EC-121M patrol plane shot down by No. Korea MiGs, Sea of Japan-- 31
184. 1980 -- Mar 14, Polish Air approach crash (US boxing team) ~Warsaw AP, Poland --87 US/31
185. 1985 -- Sep 06, Midwest Express Airlines 105 crash upon departure, Milwaukee, WI-- 31
186. 1945 -- Sep 06, USAAF C-47, intra-Philippine flight reportedly explodes ~San Jancinico Strait--30
187. 1946 -- June 01, USAAF C-54 cockpit fire, loss-of-control, crash off Amalfi, Italy -- 30
188. 1948 -- Mar 12, Northwest Airlines Flight 4422 (charter) crash, Mt. Sanford, AK -- 30
189. 1948 -- Apr 15, Pan Am 1-10 hits rock wall, Shannon AP approach, Ireland --19US of 30
190. 1952 -- Jan 22, American Airlines Flight 6780 airport approach crash, Elizabeth, NJ-- 30
--23 Occupants of American 6780 (everyone).
-- 7 Occupants of buildings on the ground.
191. 1955 -- Aug 04, American Air Flight 476 engine fire/crash, Fort Leonard Wood, MO-- 30
192. 1965 -- Jan 16, USAF tanker crash after takeoff into homes, fire, Wichita, KS⁴¹ --29-30
193. 1965 -- Aug 16, 1965, United Flight 389 crashes, Lake Michigan, off IL -- 30
194. 1965 -- Sep 17 Pan American 292 crash on approach, Chances Peak, Montserrat--14 US of 30
195. 1952 -- Apr 18, Robin Airlines C-46 charter crash, LAX approach near Whittier, CA--all 29
196. 1960 -- Sep 22, USMC R5D engine fire/fuel tank explodes/crash 180M off Naha, Okinawa--29
197. 1964 -- Nov 15, Bonanza Air Flight 114 crashes near Las Vegas, NV -- 29
198. 1977 -- Dec 13, Univ. of Evansville basketball team charter plane crash, Evansville, IN--all 29
199. 1997 -- Jan 09, Comair 3272 crash, snowstorm/icing, near Monroe & Detroit, MI -- 29
200. 1944 -- Aug 03, thunderstorm, USAAF Douglas D-47 plane crash, Napier, NE -- 28
201. 1946 -- May 10, two USN PB4Y-2 bombers collide when “attacked” in exercise ~Munson, FL-- 28
202. 1949 -- Nov 29, American Airlines 157 landing crash and fire, Dallas-Love Field, TX-- 28
203. 1950 -- June 5, Westair Transport C-46 engine loss, ditches, 300M E of Melbourne, FL--28
204. 1951 -- Dec 30, USAF C-47 transport flies into mountain near Roosevelt, AZ --all 28
205. 1953 -- Sep 16, American Air 723, AP approach, hits towers in fog, Albany NY --all 28
206. 1954 -- Sep 5, KLM Royal Dutch Airlines takeoff crash, Shannon Airport, Ireland --12US of 28
207. 1955 -- Nov 17, Peninsular Air Transport (mil. charter) takeoff crash, Seattle-Boeing Field, WA--28
208. 1962 -- Sep 23, Flying Tiger military air transport ditches, North Atlantic -- 28

⁴¹ Difference in numbers has to do with inclusion or not of death of unborn child.

209. 1968 -- Dec 27, North Central Air 458, plane hits hangar in fog, O'Hare, IL⁴² -- 28
 210. 1971 -- June 07, Allegheny Airlines plane crash on approach in fog, New Haven, CT⁴³-- 28
 211. 1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash, Denver, CO -- 28

AVIATION -- Master Set -- By MORTALITY (continued):

212. 1946 -- May 16, Viking Air Transport engine problems/pilot error crash, Richmond VA-- 27
 213. 1945 -- Mar 03, USAAF C-47 transport too-low landing turn crash, Ledo Airfield, India--27
 214. 1945 -- Dec 5, 5 USN Avengers and USN Mariner search plane lost off east FL coast-- 27
 --14 Flight 19; 5 USN torpedo bombers lost ~100M ENE, Banana River NAS, FL
 --13 USN PBM-5 Mariner search plane lost ~25M SW off Cape Canaveral, FL
 215. 1962 -- July 22, Canadian Pacific Airlines plane crash, Honolulu, HI -- 27
 216. 1966 -- Nov 26, USAF C-47D loses left engine power, crashes ~Saigon, Vietnam --all 25-27
 217. 1982 -- Apr 13, USAF C-130 Hercules transport wing failure/crash ~Gevenlik, Turkey-- 27
 218. 1982 -- Mar 19, USAF KC-135 tanker explosion and crash near Wonder Lake, IL -- 27
 219. 1991 -- Mar 21, US Navy P-3C's collide mid-air, off San Diego, CA -- 27
 220. 1992 -- Mar 22, USAir 405, ice on wings, crashes on takeoff, LaGuardia, NYC -- 27
221. 1944 -- July 26, US Army AF Douglas C-54 plane crash off Greenland -- 26
 222. 1945 -- Nov 01, too-low USAAF C-47 hits mountain near Bad Herrenalb, Germany -- 26
 223. 1946 -- Mar 19, USAAF C-47 breaks-up in-flight, near Hobart Mills, CA --all 26
 224. 1950 -- Sep 19, USN takeoff plane crash 1.6M off Kwajalein NAS, Marshall Islands-- 26
 225. 1951 -- Dec 29, Continental Charters Flight 44-2 flies into terrain near Salamanca, NY-- 26
 226. 1954 -- Aug 27, USAF RB-36 landing approach crash 2M ~Ellsworth AFB, Rapid City, SD-- 26
 227. 1954 -- Dec 18, Italian Airlines 451 airport approach (4th) crash, Idlewild IAP, NY -- 26
 228. 1958 -- Mar 07, USMC transport & Skyraider collide off Naha NAF, Okinawa -- 26
 229. 1959 -- Oct 30, Piedmont 349 plane crash, Bucks Elbow Mt., VA -- 26
 230. 1962 -- May 22, USN WV2 radar intel. plane break-up/crash ~Markt Schwaben, Germany-26
 231. 1967 -- Mar 09, TWA # 553 and Beechcraft mid-air collision, Urbana, OH -- 26
 232. 1969 -- Oct 2, USN C-2A transport plane apparent engine failure/crash, Gulf of Tonkin-- 26
 233. 1974 -- Apr 22, Pan Am #812, Hong King to LA, crash, Mesehe Mt. Indonesia --107, US 26
 234. 1994 -- Apr 14, 2 USAF F-15s shootdown 2 USA Black Hawks, No. Iraq --15US of 26
235. 1940 -- Aug 31, Pennsylvania Central NC21789 plane crash, Lovettsville, VA -- 25
 236. 1942 -- Sep 22, Eight USAAF planes crash or collide, CT, FL (3), GA, ME (2), PA -- 25
 237. 1943 -- Sep 20, USAAF transport crash, Laurinburg-Maxton Army Air Base, NC -- 25
 238. 1943 -- Dec 29, two USAAF B-24s, collide mid-air near Lakeside, UT -- 25
 239. 1944 -- Aug 28, USAAF Douglas C54A plane crash, Prestwick, Scotland --20 US of 25
 240. 1944 -- Nov 19, USAAF C-47A plane crash, near Brighton and Lewes, England--24 US/25
 241. 1945 -- Apr 20, USAAF C-47 structural failure in thunderstorm/crash ~Sweetwater, TX--25
 242. 1945 -- May 04, four USN/USAAF aircraft crash, three in CA, one ~Caylor, VA -- 25
 --4 USN Beechcraft AT-11 hits Cumberland Mt. flying low, heavy fog near Caylor, VA
 --7 USN PBY-5A Catalina hits hillside in initial climb ~Ft. Baker SF Bay area, CA
 --6 USAAF B-26 engine cutting out after takeoff, crash Hwy-41, Pinedale, CA

⁴² Cross-listed under Fog as contributing condition.

⁴³ Cross-listed under Fog as contributing condition.

- 8 USAAF B-24J March Field takeoff crash about 8M NW near Edgemont, CA
243. 1945 -- June 23, USAAF C-47 crash 17.5M SSE of Ledo Airfield, India, in Burma --all 25
244. 1945 -- Sep 10, B-24 Liberator with freed POWs crashes, Taitung, Taiwan --16 US of 25
245. 1945 -- Nov 30, USN PV4Y-2 plane missing, NAS Kodiak, AK to NAS Seattle, WA-- 25
246. 1946 -- Mar 03, American Air 6-103 descent crash in zero visibility, Thing Mt., CA -- 25
247. 1946 -- July 09, USAAF B-17 hits Mount Tom, too-low approach, Westover AFB ~Holyoke, MA--25
248. 1950 -- July 27, USAF C-47 crash Pacific after takeoff 10M S of Oshima Island Japan-- 25
249. 1952 -- Oct 16, USAF C-46D transport crash, Sea of Japan off Gangwon-do, So. Korea--25
250. 1953 -- Sep 28, Resort Airlines 1081 airport landing crash, near Louisville, KY -- 25
251. 1958 -- Aug 15, Northeast Air Flight 258 crash on AP approach in fog, Nantucket, MA--25
252. 1959 -- Dec 1, Allegheny Air approach crash, ~Williamsport-Montoursville, PA -- 25
253. 1962 -- Nov 30, Eastern Air 512 approach crash in fog, NY Int. AP, Jamaica, NY⁴⁴ -- 25
254. 1967 -- Mar 10 USN DC-3 wing failure/crash, admin. flight ~Phan Rang, Vietnam --all 25
255. 1986 -- Jun 18, Grand Canyon Air & Helitech Helicopter Collide, Grand Canyon AZ-- 25
256. 1991 -- Mar 03, United Air Boeing 737 crash, Colorado Springs, CO -- 25

AVIATION Disasters – Deadliest American -- Master Set -- By MORTALITY (continued):

257. 1944 -- Feb 10, American Air Flight 2 plane crash, Mississippi River, Memphis, TN-- 24
258. 1944 -- Oct 18, USAAF B24H plane crash, near Birkenhead, Merseyside, England -- 24
259. 1944 -- Nov 04, TWA Flight 8 plane crash in thunderstorm, near Hanford, CA -- 24
260. 1945 -- Jan 10, American 6001 missed approach crash, fog, Verdugo Mts. ~Burbank AP, CA--24
261. 1945 -- Feb 13, USN transport crash, wing hits water, early AM takeoff, off Alameda, CA--24
262. 1945 -- Nov 9, USAAF C-47 AP approach crash at night, poor weather, Palermo, Italy-- 24
263. 1946 -- Feb 5, USAAF C-47 crash, Negros Island mountainous terrain, Philippines --20-24
264. 1946 -- Dec 10, USAAF C-46 takeoff crash near Itami US Air Base, Osaka, Japan--all 23-24
265. 1968 -- Oct 3, USAF transport & US Army helicopter collide over Camp Evans, S. Vietnam--all 24
266. 1970 -- July 5, Air Canada Flight 621 plane crash near Toronto, Canada --24 (US) of 109
267. 1971 -- June 13, USAF C-135B monitoring French nuclear test, crashes, no. Pacific --all 24
268. 1973 -- Aug 28, USAF Military Airlift Command transport crash near Hueva, Spain-- 24
269. 1977 -- Oct 21, USMC Sikorsky helicopter crash with troops, Mindoro, Philippines -- 24
270. 1979 -- Nov 28, Air New Zealand sightseeing crash, Mount Erebus, Antarctica --24US of 257
271. 1994 -- Mar 23, USAF C-130 & F-16 collide, F-16 hits troops on ramp, Pope AFB, NC--24
272. 1995 -- Sep 22, USAF AWACS Sentry bird strike crash, Elmendorf AFB, AK -- 24
273. 1945 -- Jan 8, Pan Am 161 too-fast nose-down water landing crash, Port of Spain, Trinidad--23
274. 1945 -- Feb 2, Florence to Rome USAAF C-47 mt. crash in fog 3M W of Montieri, Italy--23
275. 1945 -- Sep 15, USAAF C-47B takeoff crash (from Fairfax Field, Kansas City, KS), MO-- 23
276. 1946 -- June 9, USAAF C-54 hits terrain 500ft below approach altitude, Taboga Isl., Panama-- 23
277. 1946 -- Nov 16, US Army Air Force DC-47 crashes into Pacific 15M off Iwo Jima --all 23
278. 1947 -- Dec 10, USAF C-54 crash after takeoff & emer. lndg. request ~Goose Bay, Labrador, Can.--23
279. 1950 -- Sep 26, USAF C-54D takeoff crash 1 mile off Asiya Air Base, Kyushu, Japan-- 23
280. 1951 -- May 06, USAF B-36 landing crash, high wind, Kirtland AFB ~Albuquerque, NM--23
281. 1953 -- Mar 18, 10-eng. USAF Convair RB-36H flies into hilltop, Random Isl., Nfld., Can.--all 23
282. 1961 -- Jan 26, USAF C-118 Liftmaster explosion/crash off Argentia, Newfoundland-- 23

⁴⁴ Cross-listed under Fog as contributing condition.

283. 1967 -- Oct 08, USAF turboprop flies into mountain ~Huong Thuy, South Vietnam --all 23
 284. 1968 -- May 22, Los Angeles Air helicopter rotor detachment/crash, Paramount, CA--all 23
 285. 1968 -- Oct 21, USAF transport plane engine loss/crash ~Ban Me Thuot, S. Vietnam --all 23
 286. 1970 -- May 2, Overseas Nat. Airways 980 ditched, out of fuel ~St. Croix, Virgin Isl.-- 23
 287. 1972 -- Sep 24, air show plane crash/fire, hits Ice Cream Parlor, Sacramento, CA --22-23
 288. 1976 -- Aug 28, USAF C-41 plane crash, Soendre Stromfjord AFB, Greenland⁴⁵ --13US/23
 289. 1981 -- Feb 26, USAF MC-130 plane crash, off NAS Cubi Point, Philippines --17 US/23
 290. 1983 -- Jun 02, Air Canada 797 in-flight hidden fire, emer. landing, Covington, KY -- 23
 291. 1991 -- Apr 05, Atlantic Southeast Air Fl. 2311 AP approach crash, Brunswick, GA-- 23

AVIATION -- Master Set -- By MORTALITY (continued):

292. 1942 -- Jan 16, TWA Flight 3 hits Potosi Peak, Carole Lombard killed, NV -- 22
 293. 1942 -- Oct 01, USAAF C-39 transport plane crashes near Coamo, Puerto Rico -- 22
 294. 1943 -- Sep 10, two USAAF B-17's collide in mid-air off Galveston, TX -- 22
 295. 1943 -- Dec 07, Navy planes collide, bomb falls, Marines on ground die, Maui, HI⁴⁶--20-22
 296. 1944 -- July 27, USAAF C47A plane crash, Isle of Mull, ~Port Logan, Scotland --21 US/22
 297. 1945 -- Sep 07, Eastern Air Flight 42 on-board fire leads to crash ~Florence, SC --all 22
 298. 1945 -- Nov 08, two US Navy PBM Mariners collide mid-air, Corpus Christi Bay TX-- 22
 299. 1951 -- Apr 06, Southwest Air Flight 7 flies into no. slope Santa Ynez Peak, CA --all 22
 300. 1955 -- July 17, Braniff Air 560 hits sign on approach/crashes, Chicago-Midway AP, IL--22
 301. 1956 -- Apr 01, TWA Flight 400 crash after takeoff from Greater Pittsburgh AP, PA-- 22
 302. 1957 -- Feb 22, USAF C-124A transport engine explodes after takeoff/crash lands ~Yanggong-ni S. Korea--22
 303. 1958 -- Feb 20, USN WV2 early warning plane lost ~100M west of the Azores --all 22
 304. 1960 -- Oct 29, Arctic-Pacific (football team charter) takeoff crash, Toledo Express AP, OH--22
 305. 1967 -- June 23, USMC helicopters collide, New River Marine Corps Air Fac., NC -- 22
306. 1942 -- July 01, US Army AF Douglas C-49E plane crash, near Premier, WV -- 21
 307. 1945 -- Jan 15, USN R4D-5 & USAAF Stinson collide on runway, Tacloban AP, Philippines--21
 308. 1945 -- May 05, USAAF C-54 crash into bluff upon takeoff, Manus Island, New Guinea--21
 309. 1945 -- May 13, USAAF "Shangra-La" sightseeing plane crash, Mt., New Guinea -- 21
 310. 1945 -- May 30, USAAF C-47B crash (18 WACs, 3 crew) off Sassandra, Ivory Coast-- 21
 311. 1946 -- Jan 31, United Air Lines #14 deviates from course, flies into Elk Mt., WY --all 21
 312. 1946 -- Sep 5, Trans-Luxury Airlines charter hits ridge on AP approach in fog/burns ~Elko, NV--21
 313. 1950 -- Nov 7, Northwest Air #115 deviates from course, hits mt. ridge ~Butte, MT --all 21
 314. 1950 -- Nov 21, New Tribe Mission DC-3 plane crash, Mount Moran, WY --all 21
 315. 1951 -- Apr 08, West VA National Guard Plane flies into ground ~Charleston, WV --all 21
 316. 1953 -- Sep 01, Regina Cargo Airlines (military contract) flies into mt. ridge ~Vail, WA--21
 317. 1954 -- Aug 23, NY-Amsterdam KLM crash, North Sea after Shannon AP stop--12US of 21
 318. 1954 -- Oct 24, USAF C47A transport, Rome to Lyon, flies into Maritime Alps, Italy-- 21
 319. 1966 -- May 04, US Army Chinook helicopter rotor loss, crash, ~Di Linh, So. Vietnam--all 21
 320. 1968 -- Aug 14, Los Angeles Airways helicopter rotor failure/crash, Compton CA --all 21
 321. 1968 -- Dec 12, Pan Am 217, from NYC, crashes into sea off Caracas, Venezuela--51/US 21

⁴⁵ There were 13 immediate US deaths and 8 Greenland (Dutch) passenger deaths. Two more died about two weeks later – Greenland passengers? Greenland is an autonomous country within the Kingdom of Denmark.

⁴⁶ Cross-listed under Explosions.

- 322. 1981 -- May 06, USAF EC-135N plane crash, Walkersville, near Frederick, MD -- 21
- 323. 1985 -- Jan 22, USAF plane crash in sea on approach to Trujillo Airport, Honduras -- 21
- 324. 2001 -- Mar 03, USAF C-23 plane crash (VA NG (18) FL ANG (3)), Unadilla, GA -- 21
- 325. 2003 -- Jan 8, Air Midwest Flight 5481 takeoff crash (no survivors), Charlotte, NC -- 21

AVIATION -- Master Set -- By MORTALITY (continued):

- 326. 1941 -- Oct 30, American Air #1 crash, NYC to Chicago, St. Thomas, Ont. Canada -- 20
- 327. 1942 -- Apr 3, 7 USAAF planes crash: Strevell, ID; Barksdale Field, LA; Elizabeth City, NC; West Greenwich, RI; Lexington Airfield/Shaw Field, SC; Espiritu Santo Bay, TX-- 20
- 328. 1943 -- July 28, American Air Flight 63 plane crash near Trammel, KY -- 20
- 329. 1943 -- Sep 22, USAAF C-53plane crash, near Calcutta, India -- 20
- 330. 1943 -- Oct 22, US Army Air Force C-47 crash, Lawson Field, Ft. Benning, GA -- 20
- 331. 1945 -- Apr 14, PA-Central Air #142 off course/too-low crash, Cheat Mt. ~Morgantown, WV-- 20
- 332. 1945 -- Sep 28, USAAF C-46 crash 20 miles southeast of Chihkiang, China -- 20
- 333. 1945 -- Nov 11, USAAF B-17G, Marseille to Athens, icing crash, Mount Meta, Italy-- 20
- 334. 1946 -- July 20, two USAAF B-17G search planes collide off Coiba, Panama -- 20
- 335. 1947 -- Aug 06, US Navy PBY-5A Catalina disappears, Kodiak to Dutch Harbor, AK-- 20
- 336. 1947 -- Nov 28, off course USAF C-47 flies into Mt. Carbone, Alps near Cuneo, Italy-- 20
- 337. 1947 -- Dec 11, USAF C-47 airport approach crash near Memphis, TN --all 20
- 338. 1949 -- Jan 17, USAF B-29 crash, Argyllshire mts. (icing?) ~Lochgoilhead, Scotland-- 20
- 339. 1951 -- Sep 15, airshow stunt plane crash kills 19 spectators and pilot, Flagler, CO -- 20
- 340. 1952 -- Nov 15, USAF C-119 Flying Boxcar disappears, Anchorage to Kodiak, AK --all 20
- 341. 1954 -- Mar 04, USAF C47 flies into mountain in snowstorm ~St.-Étienne-de-Tinée France-- 20
- 342. 1957 -- Feb 1, Northeast Airlines Flight 823 crashes on takeoff onto Rikers Island, NY-- 20
- 343. 1968 -- Dec 24, Allegheny Air 736 plane crash in snowstorm, Bradford, PA -- 20
- 344. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea--all 88/US 20
- 345. 1977 -- Sep 14, USAF EC-135K crash, Mt., Manzano range, near Albuquerque, NM-- 20
- 346. 1989 -- Oct 28, Aloha Island Air Flight 1712 crash into high terrain, Molokai, HI -- 20
- 347. 2005 -- Dec 19, Chalk's Ocean Airways Flight 101 plane crash, off Miami, FL -- 20

- 348. 1937 -- Oct 17, United Airlines transport crash, Humpy Ridge, UT -- 19
- 349. 1943 -- Jan 21, Pan Am 1104 (USN transport) crash, Mt. ~Boonville & Ukiah, CA -- 19
- 350. 1943 -- Jun 15, US Army AF B-24E planes collide, near Ruidoso, NM -- 19
- 351. 1944 -- Feb 12, USAAF B-25's collide near Army Air Base Greenville, SC -- 19
- 352. 1944 -- Apr 28, Navy R4D transport plane crash, Anderson Mesa, northern AZ -- 19
- 353. 1944 -- July 11, military plane crash in fog/fire, trailer camp, South Portland, ME⁴⁷ -- 19
- 354. 1944 -- Sep 18, USAAF Douglas C-47 crash, Denali State Park, near Talkeetna, AK-- 19
- 355. 1945 -- Aug 28, USAAF C-47, Philippines for Okinawa-Naha AFB, enters storm front, lost--19
- 356. 1945 -- Oct 21, USAAF C-47 landing crash in wind gust 2M east of Anchorage, AK-- 19
- 357. 1945 -- Dec 08, Northwest Air, C-47 USAAF charter, AP approach crash, Billings, MT--19
- 358. 1946 -- Mar 23, USAAF C-47 flies into Mount Banahao/Banahaw, Leyte, Philippines-- 19
- 359. 1948 -- Nov 03, USAF B-29 crash after takeoff near Lajes Field, Azores, Portugal -- 19
- 360. 1950 -- Aug 5, USAF B-29 with nuke component crash & explos. ~Fairchild-Suisun AFB, CA--19
--12 of the 20 B-29 flight crew

⁴⁷ Cross-listed in Fog, as a contributing condition.

-- 7 on ground fire-fighting/rescue personnel

- 361. 1952 -- Nov 7, USAF C-119C Flying Boxcar crash (navigational error) ~Mt. McKinley, AK--19
- 362. 1953 -- May 17, Delta Airlines 318 flies into severe turbulence, crashes ~Marshall TX-- 19
- 363. 1953 -- Aug 5, USAF Peacemaker engine fires/ditched, Atlantic ~420M NW Prestwick Scotland--19
- 364. 1953 -- Oct 29, British Commonwealth Pacific Air 304 S.F. approach crash in fog ~Half Moon Bay, CA--19
- 365. 1953 -- Dec 17, USAF B-29 takeoff engine loss, crash into housing, Anderson AFB, Guam--19
- 366. 1957 -- Dec 23, USN WV-2 simulation goes awry/crash, off Kahuku Pt., Oahu, HI -- 19
- 367. 1958 -- Sep 02, USAF Globemaster fire/crash, 35M west, Agana Naval AS, Guam -- 19
- 368. 1958 -- Oct 09, USAF C-123B transport plane crash ~Little Willow Creek & Payette, ID-- 19
- 369. 1966 -- Nov 11, USAF Constellation plane crash, Atlantic, east of Cape Cod, MA -- 19
- 370. 1967 -- Mar 30, Delta Air 9877 training crash into motel complex, Kenner, LA -- 19
- 371. 1968 -- Jan 10, USN C54 plane crash, turbulent weather, Mt. Tobin, Copper Canyon, NV--all 19
- 372. 1969 -- Mar 05, PR Int. Airlines approach crash, Sierra de Luquillo Mts., San Juan, PR--all 19
- 373. 1969 -- June 05, USAF reconnaissance plane crash (structural?), Bering Sea off Shemya, AK--19
- 374. 1989 -- Jan 31, USAF SAC tanker crash, Dyess Air Force Base, TX -- 19
- 375. 1989 -- Mar 20, USMC Sea Stallion helo engine mal./crash, Mt., ~Pohang, S. Korea-- 19
- 376. 2000 -- Apr 8, USMC tilt-rotor Osprey V-22 crash, Marana Airport near Tucson, AZ-- 19
- 377. 2000 -- May 21, Executive Air charter plane crash (low fuel), near Wilkes Barre, PA-- 19

AVIATION -- Master Set -- By MORTALITY (continued):

- 378. 1943 -- May 15, USAAF C-47 plane crash in fog, Ginger Cake Mountain, NC⁴⁸ -- 18
- 379. 1943 -- Dec 13, USN PBM-3S, VP-213, BuNo 48126 lost on patrol off NC coast -- 18
- 380. 1944 -- June 06, USN PB4Y-1 takeoff crash into building, Camp Kearney, CA --17-18
- 381. 1944 -- Aug 21, USAAF B-24J's collide, near Model, CO -- 18
- 382. 1944 -- Nov 06, USN planes collide, St. Johns River near NAS Jacksonville, FL -- 18
- 383. 1944 -- Nov 30, USAAF B-24's collide near Davis-Monthan AAF, Tucson, AZ -- 18
- 384. 1945 -- May 06, two USAAF B-17s collide, near Esler Field, Alexandria, LA -- 18
 - 9 Boeing B-17F #42-5355
 - 9 Boeing B-17G #42-31948
- 385. 1945 -- Aug 17, two USAAF B-29s collide at night, 3M west of Weatherford, TX -- 18
 - 9 USAAF Boeing B-29 Superfortress, 42-93895
 - 9 USAAF Boeing B-29 Superfortress, 44-86276
- 386. 1945 -- Nov 03, Consolidated Air, Army Transport Com., sea crash, 450 mi NE of HI-- 18
- 387. 1947 -- Jan 12, Eastern Air Flight 665 too-low/off-course crash, 10M NE Galax, VA-- 18
- 388. 1947 -- Oct 26, Pan American Air crash, Tamgas Mt., Annette Island, AK -- 18
- 389. 1948 -- Jan 7, Coastal Air Lines charter stalls/dives/crashes, 10M ENE Savannah, GA-- 18
- 390. 1949 -- Nov 16, two USAF B-29 Superfortresses collide over Stockton area, CA -- 18
 - 9 USAF Boeing B-29 Superfortress, 44-69939
 - 9 USAF Boeing B-29 Superfortress, 44-86364
- 391. 1952 -- Feb 07, USAF B-29A takeoff crash, 5 miles NW of Yokota US AB, Japan -- 18
 - 13 Complement of the Boeing B-20A Superfortress (all).
 - 5 Civilians on the ground.
- 392. 1954 -- Mar 19, plane fire & crash, USAF C-119, #51-7993, near Lothian, MD -- 18
- 393. 1958 -- Mar 27, USAF C-119 & USAF C-124C collide mid-air, ~Bridgeport, TX --all 18

⁴⁸ Cross-listed under Fog as contributing condition.

- 394. 1959 -- June 30, US Air Force F-100 jet crashes into school, Ishikawa, Okinawa⁴⁹ -- 18
- 395. 1960 -- July 06, USN Airship (blimp) envelope tear and crash off Barnegat City, NJ-- 18
- 396. 1960 -- July 11, USAF Air Mission Colombia crash, Mt Pichincha, Ecuador --US12 of 18
- 397. 1961 -- May 24, USAF Globemaster power loss crash after takeoff, McChord AFB, WA-- 18
- 398. 1961 -- July 11, United Flight 859 plane crash and fire, Stapleton, Denver, CO -- 18
- 399. 1965 -- June 15, two US Army helicopters collide mid-air, Fort Benning, GA --all 18
- 400. 1966 -- Oct 01, West Coast Air 956 plane crash, Salmon Mt., near Wemme, OR -- 18
- 401. 1969 -- Apr 25, USAF Lockheed EC-121 crash after takeoff, severe wind ~Korat Airbase, Thailand--18
- 402. 1976 -- Aug 28, USAF C41 wing lost, severe thunderstorm, crash ~Peterborough, UK-- 18
- 403. 1980 -- Mar 14, USAF C130 wing explosion and crash near Yenice, Cilicia, Turkey-- 18
- 404. 1984 -- Feb 29, USAF C-130 Hercules plane crash, near Borja, Spain --(17 US) of 18
- 405. 1984 -- Mar 24, USMC helicopter crash into Mt., 24M N. of Pohang So. Korea --18 of 29
- 406. 1987 -- Nov 23, Ryan Air Flight 103, Beechcraft 1900C, approach crash, Homer, AK-- 18
- 407. 1993 -- Dec 01, Terrain Express II Airlines/Northwest AirlinK crash, Hibbing, MN -- 18
- 408. 2001 -- Mar 29, Avjet Corp. Gulfstream III charter crash on approach, Aspen, CO -- 18
- 409. 2005 -- Apr 06, US Army Chinook crash in sandstorm near Ghazni, Afghanistan --all 18

AVIATION -- Master Set-- By MORTALITY (continued):

- 410. 1936 -- Jan 14, American Airlines Douglas DC-2 plane crash, Goodwin, AR -- 17
- 411. 1942 -- May 01, United Air NC18146 plane crash, Salt Lake City, UT -- 17
- 412. 1942 -- May 3, 3 USAAF Crashes Or/WA, Meacham, Pleasant Val., OR; McChord Field, WA--17
- 413. 1942 -- Dec 15, Western Airlines NC16060 plane crash. Fairfield, UT -- 17
- 414. 1943 -- Oct 25, Two USAAF B-24H Planes Collide, near Milligan, NE -- 17
- 415. 1943 -- Nov 18, USN transport plane crash, 30mi. E of Rio De Janeiro, Brazil --18/US17
- 416. 1943 -- Dec 19, two USAAF B-24s crash near Sausalito, CA and near Burley, ID -- 17
- 417. 1944 -- Feb 18, USAAF B-24 planes collide, near Williams Field, AZ -- 17
- 418. 1944 -- Aug 01, USAAF B-24's collide near Furnace Creek, Death Valley, CA -- 17
- 419. 1944 -- Aug 05, USAAF B17G's collide, near Dixon, NE -- 17
- 420. 1944 -- Aug 08, Pan Am #218 *Hong Kong Clipper* crashes off Antilla, Cuba -- 17
- 421. 1944 -- Nov 11, US Air Transport Command C-54 crash, Pacific, 50 mi. off Oahu -- 17
- 422. 1944 -- Dec 07, USAAF AT-18 transport takeoff crash/fire, Omaha Municipal AP, NE-- 17
- 423. 1944 -- Dec 25, USAAF C-47 plane crash, Black Mesa Mountain, Quartzsite, AZ -- 17
- 424. 1945 -- Feb 23, American Air 9 flying too-low VFR, crash, Glade Mt. ~Rural Retreat VA--17
- 425. 1945 -- June 14, USAAF C-46D crash (apparent lightning strike), 6M SE Oakridge, MS-- 17
- 426. 1945 -- July 18, USN PB4Y-2 Privateer plane missing, out of NAS Miami, FL --15-17
- 427. 1945 -- Dec 04, USAAF C-47 missing, Monrovia Liberia for Johannesburg, Africa coast--17
- 428. 1946 -- Jan 18, Eastern Air Flight #105 engine fire/wing collapse/crash, Cheshire, CT-- 17
- 429. 1946 -- Apr 08, USAAF C-47 Yan'an approach crash, Mt. Hei Cho, ~Shensi, China --all 17
- 430. 1948 -- Aug 20, USAF B-29 engine fire, takeoff attempt, crash, Rapid City AFB ~Rapid City, SD--17
- 431. 1948 -- Nov 04, Pacific Alaska Air Express lost near Cape Spencer, AK -- 17
- 432. 1954 -- June 09, USN PBM Mariner crash, Yakushima Island mt. peak, SW Japan --all 17
- 433. 1955 -- Dec 21, Eastern Air Lines 642 crash on approach to AP, Jacksonville, FL --all 17
- 434. 1956 -- Mar 2, USAF C124C Globemaster II/enroute US, engine prob., ditched off Iceland--all 17
- 435. 1958 -- Sep 02, USAF C130A shot-down by MiGs over Sasnashen, Armenia, USSR--all 17

⁴⁹ All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.

436. 1962 -- Nov 23, United 297 plane/bird collision, near Ellicott City, MD -- 17
 437. 1964 -- Apr 18, two USAF C119 Flying Boxcars collide 6M NE, Clinton County AFB, OH--17
 438. 1964 -- June 29, USAF Stratofreighter & USAF C54 collide ~Kindley US AFB, Bermuda-- 17
 439. 1971 -- June 27, takeoff crash, Shelter Cove Sea Park Co. plane, Shelter Cove, CA -- 17
 440. 1972 -- Mar 03, Mohawk Airlines N7818M plane crash, Albany, NY -- 17
 441. 1977 -- Dec 08, PHI helicopter hits oil rig crane, Gulf of Mex, near Marsh Island, LA-- 17
 442. 1978 -- Feb 10, Columbia Pacific Airlines N199EA plane crash, Richland, WA -- 17
 443. 1979 -- May 30, Downeast Airlines #46 approach crash, Owls Head ~Rockland, ME-- 17
 444. 1984 -- Aug 24, Wings West Air (15) & Rockwell Comd. (2) collide, San Luis Obispo, CA-- 17
 445. 1985 -- May 6, USMC CH-53D helicopter crash into Sea of Japan off Yakushima -- 17
 446. 1985 -- Sep 29, Westwind Sports & Parachute Ctr. skydiving crash, Jenkinsburg, GA-- 17
 447. 1988 -- Mar 08, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN⁵⁰ -- 17
 448. 1992 -- Feb 06, KY ANG C-130 Hercules crash, hotel/rest. complex, Evansville, IN-- 17

AVIATION -- Master Set -- By MORTALITY (continued):

449. 1930 -- Jan 19, Transcontinental Air Transport # 7 plane crash, Oceanside, CA -- 16
 450. 1942 -- Aug 15, US Army AF C-53 plane crash, near Garnet Peak, Peru, MA -- 16
 451. 1943 -- June 26, six USAAF plane crashes/collisions, CA (2), FL (2), ME, SC -- 16
 452. 1943 -- Dec 14, USAAF B-24J plane crash, near Omaha, NE -- 16
 453. 1945 -- Jan 09, USAAF B-29 lost at sea (Atlantic?), Pratt AAF KS to Puerto Rico -- 16
 454. 1945 -- Jan 24, two USAAF B-17Fs in flight of five collide/crash ~5M NE of Dyersburg, TN-16
 455. 1945 -- Mar 03, USAAF C-47 Prestwick-Orly AP approach crash, NW of Paris, France--all 16
 456. 1945 -- Mar 05, bomber/fighter collide, Kissimmee FL; C-60A crash into hangar, Dayton OH--16
 --8 USAAF bomber/fighter takeoff/landing runway collision Kissimmee AAF, FL
 --8 Pilot loses control of C-60A Lodestar on takeoff, crashes into hangar; explodes
 457. 1945 -- Aug 7, USAAF C-47 crash, Lalmanirhat India; USN PV-2 crash, Hunting Isl. SC-- 16
 --9 USAAF C-47A crash 15M SSW of Lalmonirhat, India (Bangladesh today)
 --7 USN PV-2 Harpoon crash, lost control in storm, off Hunting Island SC.
 458. 1945 -- Nov 13, ANA C-49 with USAAC passengers, crashes off Tacloban AP Philippines--16
 459. 1947 -- Apr 19, USAF B-29 takeoff engine fire/explosion/crash, off Kwajalein Island-- 16
 460. 1948 -- Aug 24, USAF B-29 engine loss on takeoff, emer. Indg. crash Hickam AFB, HI-- 16
 461. 1949 -- July 30, Navy Hellcat hits Eastern Airlines #557, both crash ~Chesterfield, NJ-- 16

 462. 1950 -- May 18, USAF B-29 engine problem, emer. Indg. crash, Lajes Field, Azores--all 16
 463. 1950 -- July 13, USAF B-50 plunges to earth/unknown cause, ~Mason, Lebanon, OH --all 16
 464. 1950 -- Sep 04, Robinson Air #32 takeoff engine failure/crash, Oneida Co. AP, Utica, NY--16
 465. 1951 -- Mar 02, Mid-Continent Airlines approach crash, Sioux City, IA -- 16
 466. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan⁵¹ -- 16
 467. 1955 -- Feb 19, off course TWA # 260 flies into Sandia Mt., ~Albuquerque, NM --all 16
 468. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
 469. 1956 -- Sep 10, Yokota AB USAF RB50G lost tracking Typhoon Emma Sea of Japan-- 16
 470. 1957 -- July 16, USAF C47 crash, Mount Cha Tien near Hsinchu Taiwan --all 16
 471. 1957 -- Oct 29, USAF KC-97G Stratofreighter crash, Grey Mt. near Flagstaff, AZ --all 16

⁵⁰ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

⁵¹ Cross-listed in Violence (Attack).

- 472. 1958 -- Feb 15, USAF C-47 transport plane crash in fog on Mt. Vesuvius, Italy --all 16
- 473. 1959 -- Sep 24, Reeve Aleutian Airways fl. #3 approach crash, Great Sitkin Island, AK--16
- 474. 1960 -- Jan 19, USN P4M Mercator plane crash, Karanfil Mt. near Adana, Turkey --all 16
- 475. 1965 -- July 11, USAF Constellation engine fire, crash, ~100 miles off Nantucket, MA-- 16
- 476. 1969 -- Mar 20, Avion Charter plane approach crash in fog, fire, New Orleans IAP, LA--16
- 477. 1969 -- Aug 04, USN C47 plane crash, Andes Mountains near Los Quenes, Chile --all 16
- 478. 1971 -- Oct 21, Chicago & Southern Airlines 804 approach crash in fog, Peoria, IL --all 16
- 479. 1973 -- Apr 12, planes collide, NASA Convair & NAVY P-3C Orion, Sunnyvale, CA-- 16
- 480. 1975 -- Mar 20, USAF transport plane crash, Olympic Nat. Park, Mt. Constance, WA-- 16
- 481. 1975 -- Sep 26, USAF Sikorsky CH-53 helicopter crash, east of Paderborn, W Germany-16
- 482. 1977 -- Jun 21, USN TACAMO EC130Q Hercules takeoff crash, off Wake Island -- 16
- 483. 1978 -- Oct 06, USN C-118 transport crashes into hill in fog near Santiago, Chile -- 16
- 484. 1992 -- Apr 22, plane crash, Perris Valley Aviation (skydiving), Perris, CA -- 16
- 485. 2016 -- July 30, hot air balloon hits power lines/burns/crashes, near Lockhart TX -- 16
- 486. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16

AVIATION -- Master Set -- By MORTALITY (continued):

- 487. 1938 -- July 29, Pan Am Air's "Hawaii Clipper" out of Alameda CA, lost, Pacific -- 15
- 488. 1942 -- Jan 14, five USAAF planes crash, AL, ID, NH, TX, VA -- 15
- 489. 1942 -- Mar 05, 2 USAAF plane crashes, St. Lucie Riv., Port Sewall, FL; off NC/VA-- 15
- 490. 1942 -- Apr 29, four USAAF planes crash -- Kodiak, AK; Smyer, TX; Orlando, FL -- 15
- 491. 1943 -- May 08, USAAF C-47 crash near Tinker Field, Oklahoma City, OK -- 15
- 492. 1943 -- May 13, USAAF B-24's collide near Biggs Field, El Paso, TX -- 15
- 493. 1943 -- Aug 10, two Walla Walla USAAF bombers crash, ~Cecil, OR, Paterson, WA-- 15
- 494. 1943 -- Oct 15, American Airlines Flight #63 plane crash near Centerville, TN --11-15
- 495. 1944 -- July 21, 3 USAAF C-47s lost, Atlantic, 25M off Cape Fear, NC -- 15
- 496. 1944 -- Oct 08, USAAF B-29 plane crash, near Love Field, Dallas, TX -- 15
- 497. 1944 -- Nov 3, USAAF planes collide, near Kingman Army Air Field, AZ -- 15
- 498. 1944 -- Nov 10, USAAF B-29 plane crash, near Clovis Army Air Field, NM -- 15
- 499. 1945 -- June 13, USAAF B-24 flight to US crashes, Sidhean Mor ~Gairloch, Scotland-- 15
- 500. 1945 -- June 17, USAAF B-24, Wales to Azores crash at sea 60M off Finisterre, Spain-- 10
- 501. 1945 -- July 04, USAAF B-25 missing, mt. terrain, Chengjiang, China to Dinjan, India-- 15
- 502. 1945 -- July 05, USAAF B-17 bound for US, engine fire/ditches 150M NW Lajes Fld., Azores--15
- 503. 1945 -- Aug 25, off-course USAAF B-24J flies into mountain, SE of Tollgate, OR -- 15
- 504. 1945 -- Oct 30, USAAF C-47A plane crash into mountain near Cuneo, Italy --all 15
- 505. 1949 -- Jan 26, USAF B-29, Dakar, Senegal to Norfolk, UK, lost ~Canary Islands, Spain-- 15

- 506. 1950 -- Mar 7, Northwest 307 hits flagpole, Twin Cities AP landing, crashes, Minneapolis, MN--15
 - All 13 on Northwest 307
 - 2 children in bed in house that plane crashed into – girl 10, brother, 8.
- 507. 1952 -- Feb 22, USAF F84 trng. flight hits power lines/crashes, Tsu Bu vlg., S Kor./14 dead-- 15
- 508. 1952 -- Mar 12, two USAF B-29's flying blind collide ~Sequin and San Antonio, TX-- 15
 - 8 USAF TB-29 Superfortress 44-62223
 - 7 USAF TB-29 Superfortress 55-87774
- 509. 1952 -- Apr 04, USAF Globemaster & C-47 planes collide, Mobile, AL -- 15

- 510. 1952 -- Apr 15, USAF B-36 takeoff crash and fire, near Fairchild AFB, Spokane, WA-- 15
- 511. 1953 -- Feb 02, USAF B-29 Superfortress takeoff crash, Wheelus Field, Tripoli, Libya-- 15
- 512. 1953 -- Nov 10 USN PBM plane crash, sea ~Che Ju Isl. 40M SW of Jindo, So Korea --14-15
- 513. 1953 -- Nov 17, USAF C-119F loses engine, hits paratroopers, crashes, Fort Bragg NC-- 15
- 514. 1955 -- Jan 12, TWA #694 & Castleton, Inc. DC-3 planes collide, Covington, KY --all 15
- 515. 1955 -- May 25, USAF B-36J breaks-up in severe thunder storm ~Sterling City, TX --all 15
- 516. 1956 -- Aug 29, Canadian Pacific Airlines fl. 307 approach crash, Cold Bay AP, AK-- 15
- 517. 1958 -- June 27, USAF SAC tanker crash, near Chicopee falls, MA -- 15
- 518. 1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK-- 15
- 519. 1959 -- Nov 07, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
- 520. 1961 -- Apr 18, USAF C47, circling takeoff climb, foggy weather crash, Mt Parker, Hong Kong--15
- 521. 1962 -- Mar 08, USAF C-130A Hercules plane crash near Alencon, western France -- 15
- 522. 1967 -- Apr 25, USAF Super Constellation engine fire and crash off Nantucket Isl., MA--15
- 523. 1969 -- Jan 13, SAS Flight 933 approach crash, Santa Monica Bay, CA -- 15
- 524. 1976 -- Sep 26, USAF KC-135 Stratotanker (61-0296) plane crash, near Alpena, MI-- 15
- 525. 1981 -- Apr 17, Air US 716 and Sky West Parachute planes collide, Loveland, CO -- 15
- 526. 1985 -- Oct 15, USMC Sea Knight helicopter off USS *Guadalcanal* crash, Onslow Bay, NC--15
- 527. 1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15
- 528. 1989 -- Mar 12, USAF CH-3C helicopter crash 20 miles NW of Tucson, ~Marana, AZ-- 15
- 529. 1994 -- Dec 13, American Eagle Flight 3379 (Flagship Air) approach crash, ~Raleigh, NC-- 15

AVIATION -- Master Set -- By MORTALITY (continued):

- 530. 1925 -- Sep 03, Navy dirigible *Shenandoah* upset by storm/breakup/crash ~Marietta OH-14
- 531. 1929 -- Mar 17, Colonial Western Airways tri-motor sightseeing crash, Newark NJ -- 14
- 532. 1933 -- Mar 25, Varney Speed (Air) Lines plane crash, San Leandro, CA -- 14
- 533. 1936 -- Dec 19, Eastern Air NC13732 Crash, Milford, PA -- 14
- 534. 1941 -- Oct 30, Northwest Airlines crash attempting Fargo landing, Moorhead, MN -- 14
- 535. 1942 -- Apr 12, two U.S. Navy bombers crash near Livermore, CA -- 14
- 536. 1942 -- May 12, 6 planes crash/collide, IL (2), OK (4 planes, 7 dead), WA (5 dead) -- 14
- 537. 1942 -- Jun 04, US Army AF LB-30 plane crash, near Hamilton Field, CA -- 14
- 538. 1942 -- Aug 19, USN plane hits tugboat, Coco Solo Navy Base, Panama Canal Zone-12-14
- 539. 1942 -- Sep 11, P-40 Warhawk plane crash, Curtiss-Wright Plant, near Buffalo, NY -- 14
- 540. 1943 -- Feb 05, mid-air collision, 2 USAAF B-25 bombers, Newberry, SC -- 14
- 541. 1943 -- Aug 28, 3 USAAF planes collide, near Army Air Base, Harvard, NE -- 14
- 542. 1943 -- Oct 22, USAAF B-17 crash, Arkansas River, near Ponca City, OK -- 14
- 543. 1943 -- Oct 29, USAAF B-24 crash, Atlantic off West Palm Beach, FL -- 14
- 544. 1943 -- Oct 29, USAAF C-47 crash at Hoffman-Mackall AAF, NC -- 14
- 545. 1943 -- Dec 22, USAAF B-24 crash near Morrison Field, West Palm Beach FL -- 14
- 546. 1944 -- Feb 16, USN Air Transport Unit Flight Missing, NAS Seattle to Kodiak, AK-- 14
- 547. 1944 -- Jun 08, USAAF bombers collide, Homes Burn, Kill Civilians, Honolulu, HI-- 14
- 548. 1945 -- Mar 10, USN PB4Y-1 lost, training flight NAS Jacksonville FL to Bahamas-- 14
- 549. 1945 -- Apr 11, two USAAF TB-17Fs AP approach collision near Jackson AAB, MS-- 14
- 550. 1945 -- May 05, USAAF B-17 crash, night, Charco Azul mts./hills SE of Cienfuegos, Cuba--14
- 551. 1945 -- July 23, USAAF B-24 engine fire/separation, crash, Tarskavaig, Isle of Skye, Scot.-- 14

552. 1945 -- July 28, USAAF B-25 bomber flies into Empire State Building in fog,⁵² NY-- 14
 553. 1945 -- Sep 12, USN PB4Y-2 Privateer take-off engine fire/crash ~Master Field, Miami, FL-- 14
 554. 1945 -- Oct 31, US Navy R4D-7 transport crash in heavy fog, Rich Mountain, AR -- 14
 555. 1945 -- Dec 03, USAAF C-47B crash 10 miles SE of Carlos Pellegrini, Argentina --all 14
 556. 1947 -- July 13, Burke Air Transport flies into ground (pilots asleep?), 4M SW Melbourne, FL--14
 557. 1947 -- Sep 19, USAF C-54 in-flight fire/crash 3.1M SW off Puerto San Juan, Peru -- 14
 558. 1949 -- Jan 02, Seattle Air Charter (Yale students) takeoff crash, Seattle-Boeing Field, WA--14
 559. 1951 -- Apr 27, USAF F-51 Mustang jet hits USAF B-36, NE of Perkins, OK -- 14
 560. 1953 -- Jan 16, USAF C54 approach crash, Harmon AFB, Stephenville NFLD, Can --13-14
 561. 1954 -- June 27, USAF KC-97G Stratotanker flies into Box Springs Mountain, CA --all 14
 562. 1955 -- Mar 06, USAF C-54 flies into mountain side and burns, ~Taitung, Taiwan --all 14
 563. 1955 -- Sep 24, five USAF planes crash (11 deaths), one Flying Tiger Line crash (3)-- 14
 --7 USAF SC-47D near Burns, WY
 --1 USAF F-84F Thunderstreak #51-17083, 22M E of Langley AFB, Hampton, VA
 --1 USAF F-84F Thunderstreak #52-6517, 5M NE Langley AFB, Hampton, VA
 --1 USAF F-84F Thunderstreak #52-7029, Chesapeake Bay off Langley AFB, VA
 --1 USAF F-84F Thunderstreak #52-7038, 25M NE Langley AFB, Hampton, VA
 --3 Flying Tiger Line C-54A (military cargo contract), 1000M W of Honolulu, HI
 564. 1955 -- Nov 17, blown off course USAF DC-4 flies into top of Mt. Charleston, NV --all 14
 565. 1955 -- Nov 29, USAF F-84 (1) takeoff malfunction into base housing/13, Eielson AFB, AK--14

AVIATION -- Master Set -- By MORTALITY (continued):

566. 1960 -- June 14, Pacific Northern Airlines 201 plane crash, Mt. Gilbert (9000 ft), AK-- 14
 567. 1963 -- Jan 30, US Navy ASW P-3A plane crash, about 250M off Atlantic City, NJ --all 14
 568. 1965 -- Aug 28, USAF C47 crashes into mount Cerro Calima near Cali Columbia --all 14
 569. 1967 -- Dec 14, USN P2V-7 Neptune plane crash ~Sea Otter Glacier, Mt. Fairweather, AK--14
 570. 1969 -- July 06, Air South 168 system failure plane crash, near Monroe, GA -- 14
 571. 1969 -- Nov 19, Mohawk Airlines Flight 411 plane crash, near Glens falls, NY -- 14
 572. 1969 -- Dec 22, USN jet engine failure; crash kills ground personnel, Miramar NAS, CA-- 14
 573. 1972 -- June 03, Brunswick ME-based US Navy P-3 Orion plane crash, mt., Morocco-- 14
 574. 1973 -- Mar 08, US Army Golden Knights parachute team plane crash, Silk Hope, NC-- 14
 575. 1975 -- Jan 09, planes collide, Golden West Air #261 and Cessna, Whittier, CA -- 14
 576. 1981 -- May 26, USN EA-68 Prowler plane crash, USS *Nimitz*, off Jacksonville, FL⁵³-- 14
 577. 1982 -- Oct 17, private Beechcraft C-45 parachuting jump plane crash near Taft, CA-- 14
 578. 1983 -- Apr 30, USN C-131 engine fire/crash, St. John's Riv., ~Jacksonville NAS, FL-- 14
 579. 1983 -- June 16, US Navy P-3B Orion (152720) crash into mountain, Kauai, HI -- 14
 580. 1985 -- Sep 23, Henson Airlines 1517 approach crash, Hall Mt. (~Staunton), VA -- 14
 581. 1988 -- Aug 31, Delta Air flight 1141 takeoff crash/fire, Dallas/Fort Worth AP, TX -- 14
 582. 1989 -- May 29, USMC CH46 Sea Knight helicopter crash, training ex., off Okinawa-- 14
 583. 1991 -- Sep 11, Continental Express 2574 breakup and crash, near Eagle Lake, TX -- 14
 584. 1996 -- May 10, two U.S. Marine helicopters collide, Camp LeJeune, NC -- 14
 585. 1996 -- Nov 19, United Express 5925 and Beechcraft planes collide, Quincy, IL -- 14
 586. 2009 -- Mar 22, Pilatus PC-12/45 jet private plane crash, Butte, MT -- 14

⁵² Cross listed in Fog as contributing condition.

⁵³ Cross-listed in Maritime.

587. 2015 -- Oct 2, USAF C130 takeoff crash, yoke blocked by pilot, Jalalabad AP, Afghanistan 11US of 14

AVIATION -- Master Set -- By MORTALITY (continued):

588. 1919 -- July 21, dirigible *Wingfoot* fire/crash (3) into bank (10) skylight, Chicago, IL-- 13
589. 1937 -- Mar 25, inflight Icing, Crash, TWA NC13730, Clifton (~Pittsburgh), PA -- 13
590. 1942 -- Feb 11, four USAAF planes crash, Taft, Lemoore CA, Granby CT, WA -- 13
591. 1942 -- Feb 20, seven US military planes crash, CA, Wash. DC, TX (2), WA (2) -- 13
592. 1943 -- Apr 23, USAAF, B-26C planes collide, Army Air Base, Venice, FL -- 13
593. 1943 -- Jun 25, US Navy plane crash, St. John River near Green Cove Springs, FL -- 13
594. 1943 -- July 19, USAAF C-53D plane crash, near Malcolm and Lincoln, NE -- 13
595. 1943 -- July 24, USAAF B-17A plane crash, near Army Air Base, Ephrata, WA -- 13
596. 1944 -- Jan 02, USAAF B-17G structural failure, McClellan Field, Sacramento, CA-- 13
597. 1944 -- Jan 20, USN PB4Y-1 Liberator 32163 crash after takeoff, Camp Kearny, CA-- 13
598. 1944 -- Feb 03, USAAF B-26B planes collide mid-air, near Garland, AR -- 13
599. 1944 -- Feb 07, two USAAF planes crash, Parkton, NC and Wendover Field, UT -- 13
600. 1944 -- May 19, USN 32226 PB4Y-1 Liberator plane crash ~MCAS Cherry Point, NC-- 13
601. 1944 -- Nov 11, USAAF C-47B plane crash, Strawberry Peak, near Glendale, CA --12-13
602. 1944 -- Dec 05, USAAF P-47/B-24J planes collide near Walterboro AAF, SC -- 13
603. 1944 -- Dec 29, USAAF C-47A crash into hillside near Adak Army Air Base, AK --all 13
604. 1945 -- Jan 06, USAAF C-46 crash, Himalayan mt.-side, Arunachal Pradesh, NE India--all 13
605. 1945 -- Apr 19, USN R4D-5 crash in fog after takeoff, Gooseberry Hill, Australia --all 13
606. 1945 -- July 8, USAAF B-29 encounters thunderstorm/loses tail/crashes 20M ~Pueblo AAB, CO--13
607. 1945 -- July 13, USAAF B-24 enters severe turbulence, crash, Southport, ~Panama City, FL--13
608. 1945 -- July 14, USAAF B-29 crash after takeoff, sandstorm? ~Kirtland Fld., Albuquerque NM-13
609. 1945 -- July 25, thunderstorm, USAAF TC-47B wing fails/crash 13M NE of Tampa, FL-- 13
610. 1945 -- Aug 1, USAAF B-17 bound for US, engine failure/ditches, Tyrrhenian Sea off W. Italy--13
611. 1945 -- Aug 28, USAAF B-32 takeoff power loss, crash, runway-end pit, Yontan, Okinawa-- 13
612. 1945 -- Oct 18, USAAF TB-24J engine fire just after takeoff, crash ~Hondo AAF, TX-- 13
613. 1946 -- July 18, USAAF C-47 transport crash, in severe thunderstorm ~Goodland, KS-- 13
614. 1946 -- Sep 16, 3 US mil. plane crashes, Aleutian Isl., AK, Granite Falls, WA, Twin Falls, ID--13
--1 USAAF P-381 Lightning 44-26912. Fuselage cracks/plane came apart. AK
--4 USAAF A-27 Invader, pilot loses control in air show maneuver, crashes. ID
--8 USN PBY-61 Catalina hits trees/crashes near Granite Falls, WA
615. 1946 -- Oct 11, planes crash; Franconia VA, NAS Kaneohe HI, ~Tulelake CA, Rio de Janeiro-13
--5 USAAF B-25 crash in fog, Franconia, 6M west of Alexandria, VA
--2 USN patrol bomber crashed after takeoff near NAS Kaneohe, Oahu, HI
--1 private plane, pilot lost control flying low and crashed, near Tulelake, CA
--5 USAAF C-45 hits mt. peak in simulated bombing run, Rio de Janeiro, Brazil
616. 1946 -- Oct 17, National Air Transport Service landing crash in adverse weather, Laramie, WY--13
617. 1947 -- Nov 27, Columbia Air Cargo C-47 too-low AP approach crash, Yakutat, AK-- 13
618. 1948 -- Aug 12, USAF B-29 goes out of control on takeoff climb, crashes 6M S Roswell NM--13

619. 1948 -- Nov 03, USAF B-29 bomber crash, Shelf Moor, near Manchester, England -- 13
 620. 1949 -- Sep 26, USAF B-29 explosive decompression/crash near Taliuhina, SE OK --all 13

AVIATION -- Master Set -- By MORTALITY (continued):

621. 1950 -- Jan 13, USAF G-15 glider dips/dives to ground too steeply, Lawson AFB, GA-- 13
 622. 1950 -- Apr 11, USAF B-29 crash, Manzano Nuclear Wpn. Storage Area ~Kirtland AFB NM--13
 623. 1950 -- Nov 16, USAF KB29 tanker and B-50 collide/crash ~Sil Nakya village, AZ -- 13
 624. 1951 -- Aug 20, USAF T-33A crash after takeoff, hits Army truck/burns, Fort Dix, NJ-- 13
 625. 1952 -- Aug 8, USN PBM Mariner seaplane crash, hilltop ~Nagahama, Ehime, Japan--all 13
 626. 1952 -- Dec 1, USAF C47B flies into Mt. San Gorgonio, snowstorm, ~Banning, CA--all 13
 627. 1953 -- Jan 16, USAF C54 approach crash, Harmon AFB, Stephenville, NFLD, Can.-- 13
 628. 1954 -- Oct 06, USAF RB-50G plane crash and fire, near Willows, Glenn County, CA-- 13
 629. 1955 -- Jan 17, USN C121 Super Constellation 2 engines out, crash off Stephenville NL Can--13
 630. 1955 -- Mar 20, American Airlines #711 airport approach crash, Springfield, MO -- 13
 631. 1955 -- Sep 8, USAF B29 Superfortress crash, ocean so. of Ishigaki Island, Okinawa, Japan--13
 632. 1957 -- Feb 02, two USAF KB-29P tankers collide, poor visibility, trng. mis. Morigny, France- 13
 633. 1958 -- Sep 08, USAF B-52s collide on Fairchild AFB approach ~Airway Heights, WA--13
 634. 1958 -- Sep 09, USAF Douglas C47 plane crash taking off, Elmendorf AFB, Anchorage, AK-- 13
635. 1960 -- July 27, Chicago Helicopter Airways blade failure and crash, Forest Park, IL--all 13
 636. 1962 -- May 17, USAF C130 Hercules flies into cloud shrouded mt., 20M W Nairobi, Kenya--13
 637. 1962 -- Sep 04, Ashland Oil Co. plane loses right wing/crashes ~Lake Milton, OH -- 13
 638. 1962 -- Dec 26, USN P5M1 Marlin Seaplane lost at sea 350M SW of San Diego, CA-- 13
 639. 1964 -- Dec 04, USN P3A Orion fire, crash, 25M W off Luzon, Cubi Pt NAS, Philippines--13
 640. 1965 -- Nov 27, Edde Airlines flies into rising terrain after takeoff in snow, Salt Lake City, UT--13
 641. 1968 -- Jan 17, USAF Stratotanker takeoff plane crash in snowstorm, Minot AFB, ND--all 13
 642. 1969 -- Feb 05, USAF HC-130 rescue plane crash into sea ~100M south of Taiwan -- 13
643. 1970 -- May 04, USAF Convair T-29D plane crash after takeoff ~Hamilton AFB, CA-- 13
 644. 1972 -- June 29, North Central Air (5) & Air Wisconsin Inc. (8) collide ~Appleton, WI-- 13
 645. 1972 -- Dec 05, USAF C-130/12 crew, collides with SC ANG F-102, ~Conway, SC -- 13
 646. 1977 -- Sep 06, Alaska Aeronautical Industries fl. 302 plane crash, Mt. Iliamna, AK-- 13
 647. 1977 -- Dec 11, Brunswick NAS-based USN Orion crash, fog, Mt El Hierro, Canary Isl.--13
648. 1980 -- June 12, Air Wisconsin flight 965 crash (storm, engine failure), Valley, NE -- 13
 649. 1980 -- Aug 06, Air Logistics helicopter crash with oil platform workers, off Houma, LA-13
 650. 1984 -- Dec 06, Provincetown-Boston Airlines 1039 takeoff crash, Jacksonville AP, FL- 13
651. 1990 -- Aug 29, USAF C-5A Galaxy plane crash, Ramstein US Air Base, Germany -- 13
 652. 1991 -- July 10, L'Express Airlines Flight 508 plane crash, near Birmingham, AL -- 13
 653. 1992 -- Nov 30, two USAF C-141 transports collide mid-air, near Harlem, MT -- 13
 654. 1997 -- Aug 06, Korean Air 801 approach crash Antonio B. Won IAP, Guam --229/US 13
655. 2004 -- Oct 19, Corporate Airlines (N875JX) plane crash, Kirksville, MO -- 13

AVIATION -- Master Set -- By MORTALITY (continued):

656.	1935 -- Oct 07, United Airlines airport approach crash, Cheyenne, WY	--	12
657.	1936 -- Apr 07, TWA Flight No. 1 crash into Mt., Fairchance, PA (Southwest PA)	--	12
658.	1936 -- Dec 27, United Air 34 plane crash, Rice Canyon, Newhall, CA	--	12
659.	1940 -- Jun 17, two USAAF bombers collide & crash, Bellerose Manor, Queens, NY--		12
660.	1941 -- Nov 2, USN Patrol "Flying Boat" crash, mountain near Krysuvik, Iceland	--	12
661.	1942 -- Apr 02, six USAAF planes crash, Helena, AR; Planada, CA, Leary, GA; Savannah AB, GA; San Angelo, TX; Everett, WA	--	12
662.	1942 -- June 08, USN airships collide, <i>Defender/G-1</i> , Ocean, near Lakehurst, NJ	--	12
663.	1942 -- Oct 23, American Air and U.S. Army B-4 bomber collide, Palm Springs, CA--		12
664.	1942 -- Dec 05, USAAF C-47 approach crash, near Maxwell Field, Montgomery, AL--		12
665.	1942 -- Dec 30, U.S. Army Air Force B-17 plane crash, Musselshell, MT	--	12
666.	1943 -- Jan 25, U.S. Army Air Force B-17 plane crash, New Albany, OH	--	12
667.	1943 -- Feb 17, U.S. Army Air Force B-17 plane crash, near Huron, SD	--	12
668.	1943 -- May 20, USAAF B-24E plane hits natural gas tank in fog, Chicago, IL ⁵⁴	--	12
669.	1943 -- July 05, USAAF B-24E crash in fog, Green Mt., San Miguel Island, CA	--	12
670.	1943 -- July 28, US Army AF B-24E Structural Failure/Crash, Adena, CO	--	12
671.	1943 -- Aug 18, U.S. Army Air Force B-24E Plane Crash, Otero County, NM	--	12
672.	1943 -- Aug 18, USN patrol plane VP-210, crashes off Montauk Pt., Long Island, NY--		12
673.	1943 -- Nov 18, U.S. Army Air Force B-24J plane crash, near Melrose, NM	--	12
674.	1943 -- Dec 15, USAAF, B-17 plane crash, Army Air Base, Ardmore, OK	--	12
675.	1944 -- Jan 26, Navy patrol plane crash, Key West Naval Patrol Station, FL	--11-12	
676.	1944 -- Feb 16, USAAF B-17F plane crash, Wimauma, FL	--	12
677.	1944 -- Feb 22, USAAF B-17F crash, Kittatinny Mt., Warren Ct., NJ	--	12
678.	1944 -- Feb 25, USAAF planes collide, Army Air Field, Las Vegas, NV	--	12
679.	1944 -- Mar 03, USAAF B26's collide, ~ Barksdale Field, Shreveport, LA	--	12
680.	1944 -- Mar 05, USAAF B24 explodes and crashes, Atlantic Ocean, off FL	--	12
681.	1944 -- Apr 11, US Navy War Eagles VP-16 Orion crash east of Columbus, NM	--	12
682.	1944 -- Apr 25, USAAF B-24's collide, near Yuma Army Air Field, AZ	--	12
683.	1944 -- May 30, USN PB4Y and F4F collide, Palomar Mt., San Diego County, CA	--	12
684.	1944 -- July 19, USAAF Consolidated Liberator crash, Touchet, WA	--	12
685.	1944 -- Sep 17, Liberal AA Field USAAF B-29 plane crash, near Copeland, KS ⁵⁵	--	12
686.	1944 -- Sep 24, US Army AF Douglas C-47 plane crash, Camp Mackall, NC	--	12
687.	1944 -- Oct 15, USAAF B-29 plane crash, Alamogordo Army Air Base, NM	--	12
688.	1944 -- Oct 24, USAAF B-17F plane crash, near Russell, KS	--	12
689.	1944 -- Oct 26, USAAF C-46A planes collide, Reno Army Air Base, NV	--	12
690.	1944 -- Nov 07, USN PB4Y-1 Liberator plane crash, off Fort Monroe, VA	--	12
691.	1944 -- Dec 25, USAAF C-47A plane crash, Roundtop Mt. near Harrisburg, PA	--11-12	

⁵⁴ Cross-listed in Fog as a Contributing Factor.

⁵⁵ Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.

AVIATION -- Master Set -- By MORTALITY (continued):

692. 1945 -- Mar 10, USA B-24 crash, Atlantic near Montauk Point, Long Island, NY -- 12
693. 1945 -- Apr 01, USAAF B-29 engine fire and crash, 6 miles NE of Alamogordo, NM-- 12
694. 1945 -- Apr 16, USAAF B-29 ferry flight too-low approach hits water, Pango Bay, Guam-- 12
695. 1945 -- Apr 17, US Navy PB4Y-1 patrol plane crash, training ex. off Mayport, FL -- 12
696. 1945 -- May 23, US Navy PB4Y-1 Liberator engine failure, crash at sea off Iwo Jima-- 12
697. 1945 -- June 16, USAAF C-47 flight to AUS crash on mt. ~Moikisung, Papua New Guinea--12
698. 1945 -- June 30, USAAF B-29 night navigation crash into mt., 8M ~Guadalupe Peak, TX--12
699. 1945 -- July 10, USN PBM-3C plane missing, last contact off Providence Isl. Bahamas-- 12
700. 1945 -- July 30, USAAF B-24 crash in forest near Schofield Barracks, Oahu, HI --all 12
701. 1945 -- Aug 30, USAAF B-29 with POW supplies crashes, Mt. Oyajiyama, Japan --all 12
702. 1945 -- Sep 01, USAAF B-24J takeoff crash, near Hondo Army Air Field, TX --11-12
703. 1945 -- Oct 16, USAAF C-47 engine fire, crash 60 mls NW of Saipan, Mariana Islands--12
704. 1946 -- Jan 13, USAAF C-46 initial climb crash into sea, off Majuro, Marshall Islands-- 12
705. 1946 -- Jan 29, USAAF C-46, occupants bail out, unable to find Shanghai AP, China --all 12
706. 1946 -- June 12, USAAF B29 crash/fire, Collins Gap, near Clingman's Dome, TN -- 12
707. 1946 -- Aug 1, USN PB4Y-2 Privateer crash after takeoff from Camp Kearny MCAS, CA --all 12
708. 1946 -- Dec 24, Western Air 44 hits Cuyapaipe Mt., too-low approach to San Diego, CA-- 12
709. 1946 -- Dec 28, TWA 6963 final approach crash at night, altimeter error, Shannon AP, IRL--12
--10 passengers and crew with US addresses and 2 with French
710. 1947 -- Jan 27, USAAF B-29 takeoff crash (engine trouble), Kirtland Field, NM -- 12
711. 1947 -- Feb 24, USAF B-29 weather reconnaissance plane lost, Bering Sea or W. AK-- 12
712. 1947 -- June 14, off-course USAAF B-29 hits top of Hawks Mountain at night, VT -- 12
713. 1947 -- Dec 16, USAF B-29 crash after Davis-Monthan Field takeoff near Tucson, AZ-- 12
714. 1948 -- Jan 27, USAF C-47 crash (dependents), snowstorm, Cheval Blanc Mt., France-- 12
715. 1948 -- Mar 10, Delta Air Flight 705 takeoff crash, Chicago Municipal Airport, IL -- 12
716. 1948 -- May 09, USN PB4Y-6A Catalina plane lost, San Juan, PR to Key West, FL --all 12
717. 1948 -- Aug 11, USN PB4Y-2 flies into cliff, Rota Island (northern Mariana Islands)-- 12
718. 1948 -- Nov 03, US Navy PB4Y-2 plane crash, 10M off Port Moller, Kodiak AK --all 12
719. 1949 -- Oct 13, Lakenheath AB USAF B50 takeoff engine fire/crash ~Isleham Eng.--US/11 of 12
720. 1950 -- Mar 23, USAF B-50 in-flight engine fire/explosion/wing loss/crash NNW Hyder, AZ--12
721. 1951 -- Aug 12, US Navy PB4Y-2 Privateer crash into mountain, Amak Island, AK -- 12
722. 1951 -- Oct 15, USAF C-97A lost, North Atlantic, Azores to Westover AFB, MA -- 12
723. 1952 -- Jan 14, USN P4Y-2 crash after 2 engines fail 6M SW of Yokohama, Japan --all 12
724. 1952 -- Feb 1 USAF B29 hits 2nd B29/no deaths 2nd plane, 5M off Bolo Point Okinawa --all 12
725. 1952 -- Mar 26, two USAF planes crash, Davis-Monthan AFB/8, AZ; Albuquerque, NM/4-- 12
726. 1952 -- Apr 09, USAF F-94 fighter & C-47 transport collide in clouds ~Otis AFB, MA--all 12
727. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan--12
728. 1952 -- Aug 7, USN plane crash, mts., returning to base, one engine/bad weather, so. of Bataan, Philippines-12
729. 1953 -- Jan 13, USAF B-50D Superfortress spins down out-of-control ~Gridley, CA --all 12
730. 1953 -- July 02, USN PBM-552 Mariner engine failure / crash, 25M off Adak, AK --all 12

- 731. 1954 -- Jan 10, Union Producing Co. duck hunting plane icing crash, no. shore Wallace Lake LA--12
- 732. 1954 -- Aug 22, Braniff Airways flight 152 crash in thunderstorm, S. of Mason City, IA--12
- 733. 1955 -- Sep 1, USAF C-47 crash/burned, emergency landing attempt, Skwentna, AK--all 12
- 734. 1956 -- Sep 24, USAF C-47 crash, Mount Yale, near Buena Vista, CO -- 12
- 735. 1957 -- Jan 17, USAF Weather B-50 plane crash after takeoff ~Eielson AFB, AK --all 12
- 736. 1957 -- Sep 15, Northeast Air #285 ILS airport approach crash, New Bedford, MA -- 12
- 737. 1958 -- May 20, planes collide, Capital Air & MD Air NG, Brunswick, MD -- 12
- 738. 1959 -- Feb 04, USAF Weather B-50 plane crash, out of Kindley US AFB, Bermuda-- 12

AVIATION -- Master Set -- By MORTALITY (continued):

- 739. 1960 -- Oct 28, Northwest Orient Airlines crash/fire, poor visibility, ~Missoula, MT--all 12
- 740. 1962 -- Jan 12, US Navy P2V Neptune crash, Kronborg Glacier, Greenland --all 12
- 741. 1962 -- Aug 01, USN Marlin P5M crash, Zambales Mountains, northern Philippines-- 12
- 742. 1964 -- Oct 27, USN bomber hits pole/crashes into bldgs., low-level flyover, El Centro NAF, CA-12
- 743. 1964 -- Nov 27, USN Lockheed P-2V Neptune plane crash, Cape Newenham, AK -- 12
- 744. 1966 -- May 18, USAF KC-135 Stratotanker takeoff crash, Kadena AB, Okinawa -- 12
- 745. 1967 -- Apr 28, USN P3A Orion patrol flight lost at sea off Tsushima Isl., Japan --all 12
- 746. 1968 -- Jan 16, US Navy P3A Orion crash in snowstorm on Mt. Kamegamori, Japan--all 12
- 747. 1968 -- Apr 01, Navy P3B coastal surveillance plane shot down, Gulf of Thailand⁵⁶ -- 12
- 748. 1968 -- June 25, three US Army helicopters collide, ~Bearcat, South Vietnam --29/US 12
- 749. 1969 -- Mar 08, USAF C130 crash short of runway, Ching Chuan Kang AB, Taiwan --all 12

- 750. 1971 -- May 06, Apache Airlines Carstedt jetliner, wing failure/crash Coolidge, AZ --all 12
- 751. 1974 -- Jan 06, Air East Airlines N125AE plane crash, Johnstown, PA -- 12
- 752. 1976 -- Apr 23, Petroleum Helicopters Inc. crash, Gulf of Mexico, off coast of LA -- 12
- 753. 1978 -- Aug 25, Webber Air charter crash, Sumner Strait, NW of Prince of Wales Isl., AK-12
- 754. 1979 -- Sep 14, Butler Aircraft Inc. DC-7 plane crash, Surveyor Mountain, OR -- 12

- 755. 1982 -- July 28, Last Days Ministries sight-seeing takeoff plane crash, Lindale, TX -- 12
- 756. 1985 -- Mar 13, US Army Black Hawk (technical failure?) crash, Fort Bragg, NC --all 12
- 757. 1988 -- Feb 19, AVAir Inc. Fairchild Metro III (Air Virginia) takeoff crash, Cary, NC-- 12

- 758. 1992 -- Sep 07, Beechcraft parachuting plane crash, Hinckley, IL -- 12
- 759. 1992 -- Oct 29, USAF Pave Hawk helicopter crash ~Antelope Island, Great Salt Lake UT--12
- 760. 1994 -- June 18, Mexican Charter Learjet crash, Dulles IAP approach, Chantilly, VA-- 12
- 761. 1995 -- Sep 10, Peninsula Sky Diving Club plane crash, West Point, VA -- 12
- 762. 1998 -- Sep 4, two USAF Pave Hawk helicopters (6&6) collide at night, Nellis Range NV--12

- 763. 2016 -- Jan 14, two Marine helicopters crash off Haleiwa, Oahu, HI -- 12
- 764. 2017 -- Dec 31, plane crash, 2 C.R. pilots, 10 U.S. citizens, NW Costa Rica --10US of 12

- 765. 1937 -- Feb 09, United Air Flight 23 plane crash, San Francisco Bay, CA -- 11
- 766. 1938 -- Feb 02, Mid-Air Collision, Two Navy PBY-2 Bombers, off S. CA -- 11
- 767. 1938 -- Mar 30, War games, 2 USN Consolidated patrol bombers crash, off Oahu, HI-- 11

⁵⁶ Cross-listed in Violence (Attack).

768. 1939 -- Aug 11, two USAAF plane crashes, Langley Field VA (9); Miramar CA (2)-- 11

AVIATION -- Master Set -- By MORTALITY (continued):

769. 1941 -- Jan 04, USN Transport *R2D-1* landing plane crash, San Diego, CA -- 11
770. 1941 -- Dec 30, 3 USAAF planes crash in CA; ~Allensworth, Keller Peak, Oakland -- 11
771. 1942 -- Mar 18 eleven USAAF planes crash, CA (5), OH (4), TX, WV -- 11
772. 1942 -- Oct 03, USN Sikorsky Flying Boat *Excalibur* crash, Botwood, NFLD, Canada-- 11
773. 1942 -- Oct 17, US Army Air Force B-17 plane crash, Sierra Grande Mt., NM -- 11
774. 1942 -- Nov 11, USN patrol plane (Banana Riv. NAS) crash 5M off Melbourne FL -- 9-11
775. 1943 -- Jan 06, U.S. Army Air Force B-24 plane crash, White City, KS -- 11
776. 1943 -- Jan 17, U.S. Army Air Force B-24 plane crash, Alamogordo, NM -- 11
777. 1943 -- Jan 18, U.S. Army Air Force B-24 plane crash, Bassett Peak, AZ -- 11
778. 1943 -- Jan 24, U.S. Army AF B-24 plane crash, White Sands Nat. Mon. NM -- 11
779. 1943 -- Jan 31, USAF Consolidated Liberator plane crash, Tucson, AZ -- 11
780. 1943 -- Feb 28, USAAF B-26 bombers (2), mid-air collision, Avon Park, FL -- 11
781. 1943 -- Mar 27, USAAF C-47 explosion, structural failure, crash, Oliver Springs, TN-- 11
782. 1943 -- Mar 29, USAF B-17 42-5313 plane crash, Ephrata AFB, WA -- 11
783. 1943 -- Apr 15, USAAF plane crash, Buckingham Army Air Field, Fort Myers FL -- 11
784. 1943 -- May 07, USAAF B-17F plane crash, Army Air Base, Dalhart, TX -- 11
785. 1943 -- May 22, Crash, USAAF B-17, Army Air Base, Rapid City, SD -- 11
786. 1943 -- May 31, USAAF C-67 plane crash, Smith Creek Valley, NV -- 11
787. 1943 -- June 13, two USAAF B-17F bombers collide near Fedora, SD --10-11
788. 1943 -- July 02, Navy VF-5 plane crash, Table Top Mt. ≈NAS Dutch Harbor, AK --10-11
789. 1943 -- July 07, USN PB4Y1 Liberator plane crash, off NAS Barbers Pt., Oahu, HI -- 11
790. 1943 -- July 15, USAAF B24D end of runway sea crash, Castle Harbour, Bermuda -- 11
791. 1943 -- July 19, USAFF B-24E crash, Taylor Canyon, 27 mi NE of Gunnison, CO -- 11
792. 1943 -- July 28, USAAF B-24E crash, 12 miles north of Biggs Field, El Paso, TX -- 11
793. 1943 -- Aug 09, U.S. Navy bomber crashes into bus, Pearl Harbor Navy Yard, HI -- 11
794. 1943 -- Aug 14, USAAF B-24E plane crash, Shoshone Nat. Forest, ~Dubois, WY -- 11
795. 1943 -- Aug 14, USAAF B-24E plane crash, near Ellsworth, KS -- 11
796. 1943 -- Aug 24, USAAF B-17 crash, Gibson Ranch, near Dovetail & Winnett, MT -- 11
797. 1943 -- Sep 05, USAAF Skytrooper plane crash near Sedalia, MO -- 11
798. 1943 -- Sep 22, USAAF B-24D plane crash, near Waldo, KS -- 11
799. 1943 -- Sep 28, US Army Air Force B-24H plane crash, near Fountain, CO -- 11
800. 1943 -- Sep 30, USAAF B-24H, plane crash, near Villa Santa Maria Del Norte, CO -- 11
801. 1943 -- Oct 03, USAAF B-17F plane crash, Army Air Field, Brooksville, FL -- 11
802. 1943 -- Nov 25, USAAF B-24E's collide, near Army Air Field, Liberal, KS -- 11
803. 1944 -- Mar 15, USAAF bomber crashes, Bull Mountain, near Stuart, southwest VA-- 11
804. 1944 -- Apr 07, USAAF B-24H plane lost, Atlantic Ocean, off coast of MA -- 11
805. 1944 -- Apr 24, USAAF B-17G crash, near Ardmore Army Air Field, OK -- 11
806. 1944 -- May 26, USAAF B-17G plane crash, Ronald Horn farm, near Anthon, IA --10-11
807. 1944 -- May 30, USN PB4Y1 Liberator emer. landing crash, NAAS Chincoteague, VA--11
808. 1944 -- July 2, USAAF B-29 breaks-up in storm and crashes, near Harmon, OK -- 11

- 809. 1944 -- Sep 27, USAAF RB-24E plane crash, near San Jon and Tucumcari, NM -- 11
- 810. 1944 -- Oct 24, USAAF B-29 plane crash, Barksdale Field, Shreveport, LA -- 11
- 811. 1944 -- Nov 13, USAAF C-47 crash near Army Air Base, Casper, WY -- 11
- 812. 1944 -- Nov 18, USAAF B-24J plane crash, near March Field, Riverside, CA -- 11
- 813. 1944 -- Dec 27, USAAF B-24J plane crash, near Mattituck, Long Island, NY -- 11

AVIATION -- Master Set -- By MORTALITY (continued):

- 814. 1945 -- Jan 09, USAAF B-24 plane breakup and crash ~Chatham Field, Savannah, GA--11
- 815. 1945 -- Jan 17, USAAF B-17F engine fire and crash 6M NW of Bay Minette, AL -- 11
- 816. 1945 -- Jan 26, USN PB4Y-1 Liberator landing crash, near NAAS Jacksonville, FL -- 11
- 817. 1945 -- Feb 09, USAAF B-24D Liberator crash into side of mountain near Denio, OR-- 11
- 818. 1945 -- Mar 03, USAAF B-17 too-low plane crash in heavy rain, near Winnfield, LA-- 11
- 819. 1945 -- Apr 11, Charleston SC-based USAAF B-24J crash at sea off Charleston, SC-- 11
- 820. 1945 -- Apr 24, USAAF B-29A engine fire/crash, Gulf of Mex. ~off 100M SW Key West, FL--11
- 821. 1945 -- Apr 27, U.S. Army AF C-46D plane crash, near Claude, TX -- 11
- 822. 1945 -- May 10, USAAF B-17 hits B-17 turbulence/collision/crash, Braintree England-- 11
- 823. 1945 -- May 11, USAAF B-29 engine failure, crash Indg., MacDill AAF, Tampa, FL--9-11
- 824. 1945 -- May 12, USAAF B-24 flies into cloud-covered tree-tops ~Anderson Cliff, CA--all 11
- 825. 1945 -- June 21, USAAF Catalina test flight lost 110M S off Los Negros, Admiralty Isls.--11
- 826. 1945 -- June 30, USAAF TB-24J emergency landing crash, Las Vegas Field, NV -- 11
- 827. 1945 -- July 14, USAAF TB-25C engine-related crash, 1 mile NW of Weldon, TX -- 11
- 828. 1945 -- July 22, USAAF B-24M engine problem, crash, James River ~Newport News, VA--11
- 829. 1945 -- Aug 9, USAAF B-24 loses No. 1 engine power, crash ~Buckingham Field, Ft. Myers, FL--11

- 830. 1946 -- Apr 4, USN R4D-6 transport hits mountain at night ~15M SE Albuquerque, NM--11
- 831. 1946 -- May 17, USAAF C-47 with POW remains hits hillside, Tripura district, India --all 11
- 832. 1946 -- Oct 01, USAAF B-29 Superfortress crash in storm/burns, Buffalo Valley, NV--all 11
- 833. 1946 -- Nov 13, Western Air 23 crash (descended too soon in snow storm), White Mt., Lebec, CA--11
- 834. 1948 -- Nov 01, USAF C-47 plane breakup/crash, thunderstorm, near Muldrow, OK-- 11
- 835. 1948 -- Nov 07, USAF B-29 out of Kadena AB, Okinawa, crash at sea NW of Guam-- 11
- 836. 1949 -- Sep 23, USAF B-29 takeoff crash (engine failure), Andersen AFB (US), Guam-- 11
- 837. 1949 -- Nov 03, USAF RB-29 engine issue after takeoff, crash off Kindley US AFB, Bermuda--11
- 838. 1949 -- Dec 22, USAF B-50 fire after takeoff and crash, Argyle Isl. ~Savannah, GA --all 11

- 839. 1950 -- Sep 6, USAF C-54 explosion/crash after takeoff 4M NW Osaka-Itami Air Base, Japan-- 11
- 840. 1950 -- Dec 23, USN P2V Neptune crash, McCreight Mt., Vancouver Isl., BC, Canada--11
- 841. 1951 -- Apr 26 USAF B-29 Superfortress landing crash, Lajes AFB, Terceira, Azores, Portugal-- 11
- 842. 1951 -- Apr 28, United Air Flight 129 downdraft plane crash, near Fort Wayne, IN --all 11
- 843. 1951 -- May 10, two USAF F-80s collide, one crashes killing 10 on ground, Fukuoka, Japan-- 11
- 844. 1951 -- Aug 13, USAF B-50 takeoff crash/6, Lester Apartments/5, Beacon Hill, WA-- 11
- 845. 1951 -- Nov 27, USN Martin PBM-5 Mariner crash in ocean 7M off San Diego CA --all 11
- 846. 1952 -- Apr 08, USAF B-25 flies into Golden Peak, near Golden, CO --all 11
- 847. 1952 -- June 24, NM-based USAF B-50 Superfortress crash near Lakenheath, UK -- 11
- 848. 1952 -- Oct 08, USAF B29 and F94 collide midair (all 11 on B29 killed) ~Portland, OR--11
- 849. 1952 -- Nov 06, USAF B-50 crash in gale High Wood 2M W of Great Dunmow, Eng.-- 11

850. 1952 -- Nov 12, US Navy P4Y-2 Privateer plane crash, 10M W of Shelton, WA --all 11
 851. 1953 -- Feb 01, USN P2 Neptune flies into mt., marginal weather, Okinawa, Japan --all 11
 852. 1953 -- Mar 22, USN PBM out of Naval Operating Base Trinidad missing N of Dom. Rep.--11
 853. 1954 -- May 31, USAF C47/MN ANG AP approach crash, gravel pit/heavy fog, Duluth IAP, MN--11
 854. 1954 -- Sep 28, USN PB-5 Marlin takeoff crash, Sangley Point NAS, Philippines -- 11
 855. 1955 -- Feb 17, USN P-2 Neptune hits Mt. Susitna on Elmendorf AFB approach, AK--all 11
 856. 1955 -- Sep 26, Guantanamo NAS USN P2V-3W Neptune hurricane chaser lost, Caribbean--11
 857. 1955 -- Nov 20, USAF C124 Globemaster II takeoff crash, Iwo Jima Air Base Japan--all 11
 858. 1956 -- Feb 27, USAF B-50 Superfortress crash, Wilmington Pike, Dayton OH --all 11
 859. 1956 -- June 09, USN F9F-4 Panther (1) crashes into houses (10), Minneapolis, MN-- 11
 860. 1956 -- June 26, USAF KC-97 tanker fire/crash after takeoff, 10M ~Walker AFB, NM--all 11
 861. 1956 -- Aug 31 Eielson AFB AK WB-50 plane crash 50 miles north of Anchorage --all 11
 862. 1957 -- Apr 02, USN Neptune explodes after Chincoteague NAS takeoff, ~Atlantic VA--11
 863. 1957 -- July 19, Willow Grove NAS, PA, Neptune crash, San Martino Mt., no. Italy⁵⁷-- 11
 864. 1958 -- Nov 12, USAF KC-97 tanker loses engine at takeoff, crashes Isle of Hope, GA--all 11
 865. 1958 -- Oct 18, USN *Constellation* plane crash on approach ~Argentia, Newfoundland, Can.--11
 866. 1959 -- Nov 24, Trans World Air Flight 595 takeoff crash, Chicago, IL -- 11

AVIATION -- Master Set -- By MORTALITY -- (continued):

867. 1960 -- Sep 08, Yokota AB USAF weather recon. B-50 crash, mt. near Ishikawa, Japan--11
 868. 1961 -- Nov 09, US Navy P2V-5 Neptune plane crash at sea ~300M off Norfolk VA--all 11
 869. 1963 -- Aug 28, apparent mid-air collision, two USAF tankers, off East Coast -- 11
 870. 1966 -- Apr 09, USN Orion P-3A auto-pilot loss/crash, Pacific 187m off San Diego, CA-- 11
 871. 1966 -- Oct 08, petroleum helicopter rotor failure/crash into Gulf ~Morgan City, LA--all 11
 872. 1968 -- Sep 24, USAF Stratotanker engine problem, crash landing at Wake Island AP-- 11
 873. 1969 -- Jan 06, Allegheny Air Flight 737 approach crash, Bradford, PA -- 11
 874. 1969 -- Dec 05, Lockheed Lodestar plane structural failure/crash ~Albuquerque, NM--all 11
875. 1970 -- Apr 10, USAF C130 Hercules crash after takeoff Naha US Air Base, Okinawa-- 11
 876. 1970 -- Sep 08, Trans International Air 893, takeoff crash, JFK Airport, NY -- 11
 877. 1972 -- May 03, TN Air National Guard C124 crash 40M from Zanderij IAP, Suriname-- 11
 878. 1972 -- May 29, helicopter carrying oil rig workers crashes, 3 miles south Dulac, LA-- 11
 879. 1972 -- Nov 17, Metro Air Systems plane crash (Richmond KY group), Elkton, KY -- 11
 880. 1973 -- Feb 07, US Navy Corsair II jet crash into apartment bldg., fire, Alameda, CA⁵⁸-- 11
 881. 1973 -- Sep 27, Texas International Air N94230 plane crash, Black Fork Mt., AR -- 11
 882. 1973 -- Oct 14, USAF F4E jet crash into US Army personnel carrier ~Weissenburg FRG-- 11
 883. 1974 -- Apr 11, Panorama Air sightseeing plane crash, Mauna Loa, Hawaii Isl., HI -- 11
 884. 1976 -- Sep 26, Johnson & Johnson Gulfstream plane crash, Hot Springs, AR -- 11
 885. 1978 -- Nov 30, two planes crash; USAF C-130/6, Cottageville, SC/6; Piper, Albany AP, GA-11
886. 1981 -- Dec 05, Jump Hawaii Club Beechcraft C-45 crash (pilot error), Honolulu, HI-- 11
 887. 1982 -- Apr 02, US Navy transport plane crash, Mediterranean island of Crete -- 11

⁵⁷ Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.

⁵⁸ Cross-listed in Fire-Structural. The pilot was believed to have died prior to the crash, one person on the ground killed by the crash, and eight by fire, with one additional death to an unattributed cause.

- 888. 1983 -- Aug 21, Landry Aviation plane with skydivers stalls/crashes, Silvana, WA -- 11
- 889. 1986 -- Apr 02, plane crash, USAF Hercules C-130 Magdalena, NM -- 11
- 890. 1989 -- June 11, plane crash, Scenic Air Tours (N34AP) Waipio Valley, HI -- 11

Aviation – Master Set – By Mortality (continued):

- 891. 1990 -- Feb 21, two USA ‘copters crash (Iroquois/9, OH-58/2) ~Punta Diego, Panama Canal--11
- 892. 1999 -- June 1, American Airlines 1420, storm/landing collision, Little Rock, AR -- 11
- 893. 2000 -- Aug 9, USN charter Patuxent Airways & private plane collide, Burlington, NJ-- 11
- 894. 2003 -- Mar 11, US Army Blackhawk helicopter crash, Fort Drum, NY -- 11
- 895. 2011 -- Sep 16, Nevada Air Show crash into grandstand, Reno, NV⁵⁹ -- 11
- 896. 2015 -- Mar 10, U.S. Army Blackhawk helicopter crash, Gulf off Navarre Beach, FL-- 11
- 897. 2019 -- June 21 -- Skydiving charter plane crash, Dillingham Airfield, Oahu, HI -- 11
- 898. 1930 -- Jan 02, motion picture private planes collide, Santa Monica, CA -- 10
- 899. 1933 -- Jun 11, Chicago Exposition sightseeing plane crash, ~Glenview IL -- 9-10
- 900. 1933 -- Oct 10, United Airlines bombing/sabotage, Chesterton, IN -- 10
- 901. 1936 -- Sep 05, Skyways sight-seeing plane crash, Buttermilk Hollow, PA ~Pittsburgh-- 10
- 902. 1938 -- Jan 10, Northwest Airlines plane crash, Bridger Canyon, MT -- 10
- 903. 1938 -- May 24, United Air Flight 9 fire and plane crash, near Cleveland, OH -- 10
- 904. 1939 -- Mar 18, Boeing Stratoliner test flight crash, near Adler, Mt. Rainier, WA -- 10
- 905. 1940 -- Nov 04, United Air NC16086 plane crash, Centerville, UT -- 10
- 906. 1940 -- Dec 04, United Airlines DC-3 (NC25678) plane crash, Chicago, IL -- 10
- 907. 1942 -- Jan 17, 3 USAAF crashes, Riverside CA, Pendleton Field OR, Curtis Field TX-- 10
- 908. 1942 -- Feb 04, USAAF planes crash, Lake Tahoe NV, Brooks Field TX, Trinity Ctr CA--10
- 909. 1942 -- Mar 15, US Army Air Force B-17 flies into mountain near Pendleton, OR -- 10
- 910. 1942 -- Apr 05, US Army Air Force B-17 Flying Fortress plane crash, Oahu, HI -- 10
- 911. 1942 -- Apr 16, two USAAF planes crash, Chesapeake Bay and MacDill Field, FL -- 10
- 912. 1942 -- May 06, Army AF B-17 disappears, training flight, Gulf of Mexico -- 10
- 913. 1942 -- May 15, four USAAF crash, CA (2), ~Wendover Field, UT, ~Mason, TX -- 10
- 914. 1942 -- June 01, two USAAF planes crash (MD and PA) and one US Navy (CA) -- 9-10
- 915. 1942 -- June 05, USN PBY-5A #05023 plane lost, NAS Pensacola to Gulf -- 10
- 916. 1942 -- July 18, US Army Air Force B-17 plane crash, North Reading, MA -- 10
- 917. 1942 -- July 30, US Army AF C-73 plane crash after takeoff, Minneapolis, MN -- 10
- 918. 1942 -- Sep 11, US Army Air Force B-24 plane crash, Mt. Baldy, AZ -- 10
- 919. 1942 -- Nov 30, US Army Air Force B-17 plane crash, near Sioux City, IA -- 10
- 920. 1942 -- Dec 02, US Army Air Force B-17 plane crash near Grace, ID -- 10
- 921. 1943 -- Jan 02, U.S. Army Air Force B-17 plane crash, Elko, NV -- 10
- 922. 1943 -- Jan 06, U.S. Army Air Force B-24 plane crash, Madill, OK -- 10
- 923. 1943 -- Jan 12, U.S. Army Air Force B-24 plane crash, Alamogordo, NM -- 10

⁵⁹ Cross-listed in Auto and Air Racing/Show Events.

924.	1943 -- Jan 15, U.S. Army Air Force B-17 plane crash, Gowen Field, ID	--	10
925.	1943 -- Jan 24, U.S. Army Air Force B-24 plane crash, Ruidoso, NM	--	10
926.	1943 -- Jan 24, U.S. Army Air Force B-17 plane crash, near Ordway, CO	--	10
927.	1943 -- Jan 26, U.S. Army Air Force B-23 Dragon plane crash, Flomaton, AL	--	10

Aviation – Master Set – By Mortality (continued):

928.	1943 -- Feb 11, U.S. Army Air Force bomber crashes, near Wala Wala, WA	--	10
929.	1943 -- Feb 25, U.S. Army Air Force B-17 plane crash, near Glenrock, WY	--	10
930.	1943 -- Feb 26, U.S. Army Air Force B-17 plane crash, Biggs Field, El Paso, TX	--	10
931.	1943 -- Mar 22, U.S. Army Air Force plane crash, Army Air Field, Harlingen, TX	--	10
932.	1943 -- Apr 12, U.S. Army AF plane crash, near Davis-Monthan Field, Tucson, AZ	--	10
933.	1943 -- Apr 21, U.S. Army AF B-24 plane crash ~210 miles off Virginia Beach, VA	--	10
934.	1943 -- Apr 21, U.S. Army AF C-69A plane crash, Evansville Municipal Airport, IN	--	10
935.	1943 -- Apr 26, U.S. Army Air Force B-24D plane crash, near Ballinger, TX	--	10
936.	1943 -- Apr 29, USAAF B-24 plane lost, Hamilton Field, CA to Hickam Field, HI	--	10
937.	1943 -- May 16, USAAF B-17's collide on runway, Ephrata Army Air Base, WA	--	10
938.	1943 -- May 23, USAAF B-17F plane crash, Yellowstone National Park, MT	--	10
939.	1943 -- May 29, U.S. Army AF B-24 plane lost, Pacific Ocean off Coast of CA	--	10
940.	1943 -- June 28/29, US Army AF plane crash, Big Horn Mts., Cloud Peak, WY	--	10
941.	1943 -- June 29, US Army AF B-24E plane crash, Alamogordo Army Air Base, NM	--	10
942.	1943 -- July 03, U.S. Army Air Force B-17F plane crash, White City, KS	--	10
943.	1943 -- July 21, U.S. Army Air Force B-26C planes collide, near Parrish, FL	--	10
944.	1943 -- Aug 01, US Army Air Force CG-4 glider demo flight crash, St. Louis, MO	--	10
945.	1943 -- Aug 12, U.S. Army Air Force B-24A plane crash, near Indio, CA	--	10
946.	1943 -- Aug 16, U.S. Army Air Force B-24E plane crash, near Pueblo, CO	--	10
947.	1943 -- Aug 16, U.S. Army Air Force B-24E plane crash, Gowen Field, Boise, ID	--	10
948.	1943 -- Aug 18, USAAF B-24 plane crash, Gulf of Mexico, off Corpus Christi, TX	--	10
949.	1943 -- Aug 27, USAAF B-24 plane crash, Cheyenne Mt., ~Peterson Field, CO	--	10
950.	1943 -- Aug 29, U.S. Army Air Force B-24E plane crash, near Wendover Field, UT	--	10
951.	1943 -- Sep 01, USAAF B-17F plane explosion and crash, near Fort Benton, MT	--	10
952.	1943 -- Sep 02, USAAF B-24E plane crash, near Army Air Base, Sioux City, IA	--	10
953.	1943 -- Sep 05, U.S. Army Air Force B-17F plane crash, Lake Cormorant, MS	--	10
954.	1943 -- Sep 06, U.S. Army Air Force B-17F plane crash, near Rapid City, SD	--	10
955.	1943 -- Oct 01, U.S. Army Air Force B-24D plane crash, Elk, CA	--	10
956.	1943 -- Oct 04, U.S. Army AF B-24D plane crash, Army Air Base, Blythe, CA	--	10
957.	1943 -- Oct 06, USAAF B-24D plane lost at sea, Pacific Ocean off northern CA/OR	--	10
958.	1943 -- Oct 14, U.S. Army Air Force B-24D plane crash, Neighbours, CA	--	10
959.	1943 -- Oct 15, U.S. Army AF B-24E plane crash near Army Air Base, Blythe, CA	--	10
960.	1943 -- Oct 24, U.S. Army AF plane crash, Smokey Hill Army Air Field, Salina, KS	--	10
961.	1943 -- Oct 29, U.S. Army AF B-24E plane crash, Cucamonga Peak, Fontana, CA	--	10
962.	1943 -- Nov 03, U.S. Army Air Force B-24J plane crash, near Pueblo, CO	--	10
963.	1943 -- Nov 19, U.S. Army Air Force B-17F plane crash, near Thonotosassa, FL	--	10
964.	1943 -- Dec 04, USAAF B-24 bomber crash, near Elverson, PA (near Reading, PA)	--	9-10
965.	1943 -- Dec 13, USAAF B-17F plane crash, near Rosebud, SD	--	10

Aviation – Master Set – By Mortality (continued):

966.	1944 -- Jan 03, USAAF B-24J plane crash, 25 miles SE of Muroc, CA	--	10
967.	1944 -- Jan 13, USAAF B-17 plane crash, near Army Air Field, Fort Worth, TX	--	10
968.	1944 -- Jan 22, collision, USAAF, Gulf of Mexico, near Little Marco Pass, FL	--	10
969.	1944 -- Jan 24, USAAF C-60 and AT-7 collide mid-air, near Farmersville, LA	--	10
970.	1944 -- Feb 12, two USAAF B-17's collide, one crashes, Mill Creek, OK	--	10
971.	1944 -- Feb 23, USN North Amer. PBJ-1D Mitchell bombers collide near Bern, NC	--	10
972.	1944 -- Feb 26, USAAF B-24E plane lost, Atlantic Ocean, off SE Coast	--	10
973.	1944 -- Feb 26, USAAF B-17 plane crash, near Palmer Lake, CO	--	10
974.	1944 -- Mar 06, USAAF B17G plane crash, near Maxwell, IA	--	10
975.	1944 -- Mar 18, plane crash, USAAF B24H, ~Davis-Monthan Field, Tucson, AZ	--	10
976.	1944 -- Mar 20, crash, USAAF RB-24E, near Biggs Field, El Paso, TX	--	10
977.	1944 -- Mar 26, crash, USAAF B-24, near Naval Air Station, Melbourne, FL	--	10
978.	1944 -- Apr 09, USAAF B-24D plane crash near USMC Air Station, Mojave, CA	--	10
979.	1944 -- Apr 24, USAAF B-24H plane crash, near Epsom, NH	--	10
980.	1944 -- Apr 29, USAAF RB-24E Liberator bomber plane crash, near Merna, NE	--	10
981.	1944 -- May 05 USAAF plane crash, out of Hickam Field HI, Aiea Ridge, Oahu, HI	--	10
982.	1944 -- May 10, USAAF plane crash, near Biggs Field, El Paso, TX	--	10
983.	1944 -- May 16, dirigible airship (blimp) K-5 crash, Lakehurst NAS, NJ	--	10
984.	1944 -- May 18, USAAF B-17 plane crash, near Rapid City Army Air Base, SD	--	10
985.	1944 -- May 27, USAAF B-24J plane crash, Westover Field, Chicopee, MA	--	10
986.	1944 -- May 29, US Army Air Force B-17G plane crash, near Ridgely, TN	--	10
987.	1944 -- June 07, USAAF B-24J plane crash, near Chappell, NE	--	10
988.	1944 -- June 13, USAAF B-24E bomber crash, Green Knob Mt., near Asheville, NC	--	10
989.	1944 -- June 20, USAAF B-24J lost, Atlantic Ocean, off Southeast Coast	--	10
990.	1944 -- June 22, USAAF B-24J plane crash, ~Walla Walls Army Air Field, WA	--	10
991.	1944 -- June 29, USAAF B-24D plane crash, near Tobe, CO	--	10
992.	1944 -- June 30, USAAF B-24J plane lost, off Myrtle Beach, SC	--	10
993.	1944 -- July 04, USAAF B-24J planes collide, near Palm Springs, CA	--	10
994.	1944 -- July 11, USAAF B-17G plane crash, Deer Mountain near Rangeley, ME	--	10
995.	1944 -- July 20, USAAF B1-17F planes collide, Brooksville, FL	--	10
996.	1944 -- July 20, USAAF B-24 planes collide, near Roswell, NM	--	10
997.	1944 -- July 23, USAAF B-24J fire and crash, ~Chatham Field, Savannah, GA	--	10
998.	1944 -- July 25, USAAF B-24 plane crash, San Pablo Bay, near San Rafael, CA	--	10
999.	1944 -- July 30, USAAF B-17 plane breaks-up and crashes, 6M from St. Marks, FL	--	10
1000.	1944 -- Aug 09, USAAF B-24J plane fire and crash, near Kiowa, CO	--	10
1001.	1944 -- Aug 21, USAAF YB-29 plane crash, 25M from Alamogordo, NM	--	10
1002.	1944 -- Aug 27, USAAF B-17G plane crash, 20M from Bay St. Louis, MS	--	10

Aviation – By Mortality (continued):

1003. 1944 -- Sep 01, USAAF B-24J plane crash near Muroc Army Air Field, CA -- 10
1004. 1944 -- Sep 29, USN PBM-3D crash, Southeast of Palau Island, West Central Pacific-- 10
1005. 1944 -- Oct 17, USAAF B-24J plane crash, 12M NE of Ukiah, OR -- 10
1006. 1944 -- Oct 29, USAAF B-17F plane crash, near Chatham Field, Savannah, GA -- 10
1007. 1944 -- Nov 29 USAAF B-24 Liberator plane crash, Middle Mt., Nottingham, NH -- 9-10
1008. 1944 -- Dec 08, USAAF AT-18 planes collide, Sioux falls Army Air Field, SD -- 10
1009. 1944 -- Dec 22, USAAF B-24 plane crash, Mt. Gleason, La Crescenta, CA -- 10
1010. 1944 -- Dec 29, USAAF B-24J structural failure, poor weather, crash ~Meridian, ID-- 10
1011. 1944 -- Dec 30, USAAF B-29 plane fire and crash, near Walker AAF, KS -- 10
1012. 1945 -- Jan 8, USAAF B-26 bombers collide ~Brownsville/9; A-20 Havoc crash SW San Anton./1, TX--10
1013. 1945 -- Jan 20, USAAF B-24J landing approach crash, 2½M SE of Muroc AAF, CA-- 10
1014. 1945 -- Jan 26, USAAF B-17G plane crash, near Hendricks Field, Sebring, FL -- 10
1015. 1945 -- Feb 01, USN PBY-5A crash, night navigation trng., Kaneohe NAS, Oahu, HI-- 10
1016. 1945 -- Feb 14, USAAF B-24 approach crash in adverse weather, 12M NE Gander AP, Nfld.--10
1017. 1945 -- Feb 12, USAAF B-24D stalls, pilot loses control, crash, 15M SW of Troy, OR-- 10
1018. 1945 -- Mar 06, USAAF B-24D, AP approach crash, 1M ~Mountain Home AAF, ID --all 10
1019. 1945 -- Mar 10, USAAF B-29 engine failure/emerg. lndg. crash, Alexandria AAF, LA-- 10
1020. 1945 -- Mar 14, USAAF C-47 loses propeller paratroop practice, hits 6, crashes ~Prosnes France--10
1021. 1945 -- Apr 08, USAAF TB-17F flies into mountain at night near Tellico Plains, TN-- 10
1022. 1945 -- Apr 16, USAAF Beech AT-11s collide, bombing training near Big Spring, TX-- 10
1023. 1945 -- June 04, USAAF B-24L Liberator crash, Caribbean Sea off Jamaica --all 10
1024. 1945 -- June 06, USAAF B-29 ferry to US crash after takeoff from Kwajalein Atoll-- 10
1025. 1945 -- June 11, USAAF B-29 structural failure in thunderstorm, crash ~Rush Springs, OK--10
1026. 1945 -- July 17, USAAF B17 night AP approach crash, heavy rain ~Smoky Hill AAB, Salina KS--10
1027. 1945 -- Aug 22, USN PB4Y-2 loss of control crash into Pacific off San Diego, CA -- 10
1028. 1945 -- Aug 27, USAAF B-29 2nd landing approach, crash, Mt. Tapochau, Saipan --all 10
1029. 1945 -- Aug 28, USAAF B-29 crash during violent storm, Toga, Akita, Honshu Japan-- 10
1030. 1945 -- Sep 07, USAAF B-29 plane fire and crash, 4½ miles south, Wedowee, AL -- 10
1031. 1945 -- Nov 02, USAAF B-29 Superfortress crash, North Field, Guam -- 10
1032. 1945 -- Nov 28, USAAF C-47 crash ~Auburn CA/9; USN PBY crash, Palmyra Atoll AP/1-- 10
1033. 1946 -- Jan 12, USN PB4Y-2 hits Homonhon Isl. ridge in adverse weather, Philippines-- 10
1034. 1946 -- Mar 7, Kirtland AAB USAAF B-29 disintegrates, Los Lunas bombing range, NM--10
1035. 1946 -- Mar 19, USAAF B-17 crash in adverse weather, northern Formosa (Taiwan) --all 10
1036. 1946 -- May 27, USAAF B-17G lost, Kwajalein to Guam, searching for missing C-54-- 10
1037. 1946 -- July 30, USN PB4Y-2 crash searching for missing US planes, Mindoro Isl., Philippines--10
1038. 1947 -- Feb 04, USN R-4D-5S (DC-3), crashed during storm off Chincoteague Isl., VA--10
1039. 1947 -- Feb 22, US Coast Guard PBM-5 crash, Mexico, on way back to San Diego -- 10
1040. 1947 -- Aug 16, USAF B17 runs out of fuel/ditches 50M off Barbers Point, Kalaeloa, HI-- 10
1041. 1948 -- Mar 18, USAF B-29 landing crash in dense fog, MacDill Field, Tampa, FL -- 10
1042. 1948 -- Aug 05, USN Douglas R4D-6 and civilian Stearman collide ~NAS Miami, FL-- 10

- 10 USN Douglas R4D-6 -- 0 civilian Stearman
 1043. 1948 -- Dec 22, USAF B-50 crash (congealed oil in manifold?) near Fairbanks AK --all 10
 1044. 1949 -- Aug 31, USN Martin Mariner PBM-5 takeoff crash off NAS San Diego, CA-- 10
 1045. 1949 -- Sep 30, USAF B-17 crash into mesa, storm/poor visibility, 4M N of Raton, NM-- 10

Aviation – By Mortality – (continued):

1046. 1950 -- Apr 08, USN PB4Y-2 bomber shot down by USSR, Baltic Sea off Latvia --all 10
 1047. 1951 -- Jan 16, Northwest Orient Flight 115 plane crash, Near Reardan, WA -- 10
 1048. 1951 -- June 3, USAF C-82 Flying Boxcar hit by lightning/crashed, New Boston, TX--all 10
 1049. 1951 -- Aug 31, USN Consolidated PB4Y-2 Privateer crash, Little Tanaga Isl., AK --all 10
 1050. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
 1051. 1951 -- Nov 18, USAF B29 takeoff crash: crew OK; 3US/7 local rescuers killed by explos., Yokota, Japan--10

 1052. 1952 -- Mar 21, USN PB4Y-2 crash after takeoff, off Corpus Christi NAS, TX --all 10
 1053. 1952 -- Apr 1-10, "Exercise Longhorn," military plane crashes & parachuting deaths, TX--10
 1054. 1952 -- Apr 5, USAF B-29 weather plane airport approach crash, McClellan AFB, CA--all 10
 1055. 1952 -- Oct 26, USAF WB-29 lost, typhoon, Anderson AFB, Guam to Philippines -- 10
 1056. 1953 -- Jan 28, USN PB4Y, in poor weather & visibility, flies into Black Peak, WA --all 10
 1057. 1953 -- Mar 18, USAF B-29 crash searching for USAF plane, St. George's Bay, NFL, Can--10
 1058. 1953 -- Apr 29, US Air Force B-29 in-flight fire and crash, near San Antonio, TX -- 10
 1059. 1953 -- July 10, USAF C47 & Norwegian AF jet collide ≈Stavanger-Sola AP, Norway--10
 1060. 1953 -- July 30, USN PBM Mariner engine fire/ditched 60M W of Badoc Philippines-- 10
 1061. 1954 -- Jan 04, USN P2V Neptune engine trouble and crash, Yellow Sea, off S. Korea-- 10
 1062. 1954 -- Feb 05, USAF C-47 explodes in-flight, Susitna Valley, 20M from Curry, AK-- 10
 1063. 1954 -- May 5, off-course USN PBM-5 seaplane crash, Sidewalk Mt. ~Carricitos, MX--10
 1064. 1954 -- May 07, USN P2V5 Neptune takeoff crash off Clifton Pier, Nassau, Bahamas--all 10
 1065. 1954 -- Sep 04, Soviet Migs shoot down USN P2V Neptune off Hokkaido, Sea of Japan-- 10
 1066. 1954 -- Dec 22, Johnson Flying Svc. (mil. charter) out of fuel/ditches/Monongahela Riv. ~Pittsburgh-- 10
 1067. 1955 -- Apr 28, USAF B29 Superfortress flies into cloud-shrouded hill ~Naha AFB Okinawa-- 10
 1068. 1955 -- June 10, USAF B29 Superfortress flies into Mt. Teckberg in fog ~Owen, FRG-- 10
 1069. 1955 -- June 29, USAF C-47 transport plane hits Sitkinak Island mountain peak, AK --all 10
 1070. 1955 -- July 13, USAF KC-97 tanker fire after takeoff and crash near Cressy, CA --all 10
 1071. 1956 -- Nov 9, USN P5M Marlin seaplane lost north of Bermuda, possibly off MD --all 10
 1072. 1956 -- Nov 30, USAF B-52 plane crash after Castle AFB takeoff near Ballico, CA --all 10
 1073. 1956 -- Dec 28, USAF B-50 weather recon. crash, Yokota AB approach, Japan --(9 US)10
 1074. 1957 -- July 23, USN P-2 Neptune stalls/crashes off Barbers Point Naval Air Sta., HI-- 10
 1075. 1958 -- Jan 15, USAF Typhoon Ophelia recon. plane out of Anderson AFB, Guam, lost at sea--all 10
 1076. 1958 -- Sep 29, USN Neptune P2V patrol plane crash, 22M north of Key West, FL --all 10
 1077. 1959 -- Jan 08, Southeast Air 308, flies into Mt. Holston, Tri-City AP approach, TN-- 10
 1078. 1959 -- Apr 09, USN P5M 2 Marlin seaplane crash Cheju Island Mt., South Korea --all 10
 1079. 1959 -- May 20, USAF C-130 Hercules plane crash into Barracks, Ashiya AB, Japan-- 10
 1080. 1959 -- July 01, Continental Can Co. Corp. plane crash, near Marion, OH -- 10

 1081. 1960 -- Jan 04, US Army De Havilland U-1A Otter disappears, Gulf of Sidra, Libya-- 10
 1082. 1962 -- Mar 21, USN P2V Neptune crash mt. ridge 2M south of Elk Mountain, WA--all 10

1083. 1962 -- Sep 22, USN Martin Marlin flies into high ground, Montague Isl., Gulf of AK-- 10
 1084. 1963 -- Sep 22, USAF C-133A Cargomaster crash, Atlantic SE Dover AFB, DE -- 10
 1085. 1964 -- Feb 03, South Central Air takeoff crash (overloaded) Gainesville AP, FL --all 10
 1086. 1964 -- May 11, USN P2V plane crash, Atlantic, 25 mls SW of US AB Rota, Spain-- 10
 1087. 1964 -- Nov 17, USN P3A Orion approach crash in ocean in fog ~USN Base, Argentina Nfld.⁶⁰-10
 1088. 1965 -- June 5, USAF C119 unexplained crash, Caribbean, NE of Crooked Isl. Bahamas--10
 1089. 1966 -- Dec 12, US Navy Sea Knight helicopter crash 34 miles off San Diego, CA --all 10
 1090. 1966 -- Dec 20, Executive Aviation Lodestar out of San Fran., CA crash ~San Felipe, MX--10
 1091. 1967 -- Jan 06, USN P5M Marlin crash near entrance of Manila Bay, Philippines --all 10
 1092. 1968 -- July 28, USAF C-124A Georgia Reserve plane crash 50M NW of Recife, Brazil-- 10
 1093. 1969 -- Feb 05, Angeles Flying Service takeoff crash, Clallam Co. AP, Port Angeles WA--10
 1094. 1969 -- June 23, Dominicana de Aviacion 401 takeoff, engine fire, street crash ~Miami IAP, FL-10

Aviation – By Mortality – (continued):

1095. 1970 -- Aug 3, storm/lightning, Navy P3A Orion turbulence breakup ~Searchlight, NV⁶¹-10
 1096. 1971 -- Sep 16, Scenic Airlines Cessna 402 plane crash, Peach Springs, AZ -- 10
 1097. 1971 -- Nov 12, USAF Lockheed C-130 takeoff plane crash/fire, Little Rock AFB, AR-- 10
 1098. 1971 -- Dec 12, USN C2 Greyhound out of Cubi Point NAS Philippines crash at sea --all 10
 1099. 1972 -- Dec 20, planes collide in fog, North Central & Delta, O'Hare Chicago, IL -- 10
 1100. 1973 -- Dec 11, US Navy R6D-1 crash, Great Sitkin Island (Adak approach), AK -- 10
 1101. 1975 -- Aug 30, Wien Air Alaska approach crash in fog, Sevuokuk Mt. ~Gambell, AK--10
 1102. 1978 -- Aug 30, Las Vegas Airlines Flight 44 takeoff crash, North Las Vegas, NV -- 10
 1103. 1978 -- Dec 28, United Airlines N8082U plane crash, Portland, OR -- 10
 1104. 1979 -- June 11, US Forest Service plane crash, Selway Riv., Nez Perce Nat. Forest, ID-10
 1105. 1979 -- Oct 27/28, Mexican General Prosecutor Office plane crash, San Ysidro, CA-- 10
1106. 1980 -- Mar 27, Lufkin Inc., Beechcraft plane crash (icing), fire, near Parker, CO -- 10
 1107. 1980 -- June 18, Cessna 182 and Cessna 310 collide, East Maroon Pass ~Aspen CO --all 10
 1108. 1983 -- Aug 17, Las Vegas Airlines flight 88 flies into mountain, Grand Canyon, AZ-- 10
 1109. 1983 -- Oct 11, Air Illinois (N748LL) plane crash, Pinckneyville, IL -- 10
 1110. 1987 -- Jan 15, Sky West N163SW plane crash, Salt Lake City, UT -- 10
 1111. 1987 -- June 22, US Army helicopter reservist training flight crash, Ft. Hood, TX --all 10
 1112. 1987 -- July 04, private (band) Beechcraft crash, near Flathead Lake, Lakeside, MT-- 10
 1113. 1987 -- Oct 20, USAF A-7D jet crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
 1114. 1988 -- Feb 25, Ft. Hood Army Chinook helicopter engine failure and crash, Chico, TX--10
 1115. 1988 -- Oct 25, USMC CH-46/UH-1N helicopters crash, Goldwater Gun. Range, AZ-- 10
 1116. 1989 -- Feb 19, Las Vegas Flyers Cessna 402 crash, Santa Ana Mts. ~Corona, CA -- 10
 1117. 1989 -- Sep 27, Grand Canyon Airlines Flight 5 (sightseeing) crash, Tusayan, AZ -- 10
1118. 1991 -- Mar 16, Reba McEntire band charter plane crash, Otay Mt. ~San Diego, CA-- 10
 1119. 1992 -- June 19, Adventure Air crash, Grand Canyon sightseeing, ~Meadview, AZ -- 10
 1120. 1994 -- Jan 05, Kimura International Air (charter) crash, near Fort Drum, FL -- 10
 1121. 1996 -- Nov 22, USAF Hercules engine loss & crash, Pacific ~Cape Mendocino, CA-- 10

⁶⁰ Cross-listed in Fog as a Contributing Factor.

⁶¹ Cross-listed in Lightning.

1122. 1999 -- July 31, takeoff crash/Parahawks Skydiving Center plane, Marine City, MI -- 10
 1123. 1999 -- Sep 25, Big Island Air Piper plane crash (N411WL) Kailua Kona, HI -- 10
1124. 2001 -- Jan 27, charter plane crash, OK St Univ. Basketball Members, Strasburg, CO-- 10
 1125. 2001 -- Oct 10, PenAir flight 350 crash after takeoff (wing icing), Dillingham, AK -- 10
 1126. 2002 -- Feb 22, US Army Chinook crashes at sea, exercise off Dumaguete Philippines --all 10
 1127. 2002 -- Aug 7, plane crash, USAF Combat Talon II, Caguas, Puerto Rico -- 10
 1128. 2004 -- Mar 23, helicopter crash, Gulf of Mx., flying to oil rig ~60M off Galveston, TX--10
 1129. 2004 -- Oct 24, Hendrick Motorsports N501RH plane crash, Martinsville, VA -- 10
 1130. 2007 -- Oct 7, plane crash, Kapowsin Air Sports (skydiving), near Naches, WA -- 10
 1131. 2008 -- Aug 22, Red Canyon Aesthetics/Medical Spa plane crash, near Moab, UT -- 10
 1132. 2009 -- Oct 26, US Army Chinook crash, dirt blown up from takeoff, anti-drug op., Afghanistan-- 10
1133. 2013 -- July 07, Rediske Air-Taxi crash, de Havilland DHC3 Otter, Soldotna, AK -- 10
 1134. 2019 -- June 30, plane crash into AP hangar on takeoff, near no. Dallas, Addison, TX-- 10
1135. 2022 -- Sep 04, floatplane crash in Puget Sound off Whidbey Island, WA --all 10

Aviation Losses Less Than Ten (examples of):

- 1930 -- Apr 27, plane buzzes spectators, crashes at air show near Fayetteville, TN -- 9
 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in thunderstorm, Gulf of MX-- 9
 1945 -- July 01, USAAF B-29 explosion and crash in thunderstorm, Soldier Creek, ~Benton KY--9
 1947 -- July 29, USAAF B-29 Superfortress takeoff crash, Eglin AAF, Valparaiso, FL -- 9
 1947 -- Sep 15, USAF B-17 explodes/crashes, Bush Riv. at Chesapeake Bay ~Aberdeen MD-- 9
 1947 -- Dec 31, USAF B-29 weather recon. plane engine loss/crash after takeoff, ~Elmendorf AFB AK--9
 1948 -- Jan 30, USAF B-17 plane crash, Cheval Blanc Mountain, Southern France -- 9
 1948 -- Aug 24, USAF C-47 collides with USAF B-25 (no losses), 5M N of Newton, NJ -- all 9
 1948 -- Nov 04, USN P2V2 crash, snow-filled canyon, Vancouver Isl., BC, Can. (found 1961)--9
 1950 -- June 01, USN P2V-2 Neptune emergency lndg. crash, Quonset Point NAS, RI -- 9
 1950 -- June 14, USAF B-25 crash, top of Spruce Mountain, 5M NW of Circleville, WV -- all 9
 1953 -- Dec 11, USAF Consolidated B-36 CF flies into Mount Franklin near El Paso, TX -- all 9
 1954 -- Feb 26, Western Air Lines flight 34 turbulent weather crash near Wright, WY -- all 9
 1954 -- Dec 29, USAF C119 rear-door fails/plane crash, Shin Point near New Hope, AL -- 9
 1955 -- Feb 23, USAF KC-97 tanker engine fire after takeoff, crashes near Windsor, MO -- 9
 1955 -- Aug 23, engine fire after takeoff, USAF C119 crash into homes, Charleston, SC -- 9
 1957 -- Dec 09, USN P5M Marlin Seaplane engine explosion/crash near Corpus Christi, TX-- 9
 1959 -- May 11, plane crash, USN P2V, Whidbey Island Naval Air Station, WA -- 9
 1960 -- Feb 11, rocket under wing explodes, USN P5M, Puget Sound near NAS Whidbey Isl., WA--9
 1960 -- Apr 18, USAF C124 cargo plane takeoff crash, Stephenville, Harmon AB NFLD -- 9
 1963 -- Dec 23, USAF B-52 Stratofortress crash after takeoff near Columbus AFB, MS -- all 9
 1966 -- Nov 18, USAF B52 low level flight/hits trees/crashes, S of Stone Lake ~Hayward WI-- 9
 1967 -- Jan 08, USN plane crash after takeoff from Andrews AFB, ~Upper Marlboro, MD-- 9
 1968 -- Mar 17, Beechcraft with HS cheerleaders landing crash in crosswind, Rapid City, SD-- 9
 1969 -- June 14, private Beechcraft (4) and Piper (5) collide in haze, off Waterford, CT -- all 9
 1975 -- Jan 09, USAF Convair and Cessna collide 4 miles west of Newport News, VA -- 9

1977 -- Feb 24, PA State DOT plane crash, (1 on ground), Bressler, Swatara Township, PA-- 9
 1978 -- Apr 23, Piper Navajo Chieftain charter crash, severe turbulence, Arlington, IN -- all 9
 1982 -- Aug 31, USAF C-141 transport plane crash, John's Knob, Cherokee Nat., TN -- 9
 1987 -- Mar 04, Northwest Airlin crash, Detroit/Wayne County Airport, Romulus, MI -- 9
 1989 -- Feb 24, United Airlines 811 (355 aboard) cargo door failure over Pacific near Hawaii-- 9
 1996 -- Aug 17, USAF C-130 plane crash, Presidential support mission, ~Jackson Hole, WY-- 9
 2009 -- Aug 09, private plane and helicopter collide, Hudson River, off Hoboken, NJ -- 9
 2009 -- Oct 29, USMC helicopter and USCG C-130 collide. Near San Clemente Island, CA-- 9
 2015 -- June 25, plane crash, cruise ship passengers, about 25 mi. from Ketchikan, SE AK-- 9
 2015 -- Nov 10, company jet crash into apartment bldg. on airport approach, Akron, OH -- 9
 2018 -- May 02, Puerto Rico Air National Guard C-130 plane crash near Savannah, GA -- 9
 2019 -- Nov 30, Pilatus PC-12 plane crash during initial climb, Chamberlain Airport, SD -- 9
 2023 -- Mar 30, USA Black Hawk helicopters collide, night training, Cadiz, Trigg Co., KY-- 9

Aviation Master Set – By Mortality (continued):

1929 -- Sep 03, 1st US lightning-strike plane crash, Transcontinental Air, Mt. Taylor, NM-- 8
 1945 -- May 03, USN blimp engine fire leads to cover fire and crash, Santa Ana, CA -- 8
 1950 -- Feb 15, USAF B-29 crash after takeoff, US HWY-117 3M SW of Great Falls, MT-- 8
 1950 -- Oct 19, USAF B-29 Superfortress bomber plunges to ground near Seguin, TX -- 8
 1952 -- May 13, USMC Corsair collides with USAF B-29, 30M W of Oceanside, CA --12 or 8
 --7 USAF B-29 Superfortress crew (five survived).
 --1 USMC Corsair pilot.
 1952 -- Nov 17, USAF C-119 “Flying Boxcar” engine loss/crash, field near Billings, MT-- 8
 1953 -- Apr 20, Western Air Lines 636, San Francisco to Oakland, flies into SF Bay, CA -- 8
 1956 -- May 15, Crane Co. PV1 loses left eng. power on AP approach, crashes ~Jeffersonville IN--8
 1957 -- Jan 31, DC-7 & USAF Scorpion fighter collide, debris hits school, Sunland, CA -- 8
 1958 -- July 29, USAF B-52 goes out of control on AP approach, crashes 3M from Loring AFB, ME-- 8
 1959 -- Oct 15, USAF KC-135A tanker collides with USAF B52F bomber, ~Leitchfield, KY-- 8
 1963 -- Jan 29, Continental Airlines 290 plane crash, Kansas City Municipal Airport, MO-- 8
 1968 -- Dec 14, USAF C119 Roosevelt Roads NAS takeoff plane crash ~San Juan, PR -- all 8
 1972 -- Dec 16, USCG helicopter/4 with rescued boat crew/4, crashes, Gulf of Mex., off FL-- 8
 1974 -- Aug 10, Piper Aztec loss of control at too-low altitude, Fergus Falls, MN -- all 8
 1978 -- Sep 04, church-hired helicopter crashes into churchyard festival, Derry, PA -- 8
 1978 -- Sep 08, low USAF C130 crash into ridge ~8 miles north of Little Rock AFB, AR -- 8
 1978 -- Sep 22, USN P-3B plane crash after engine failure/loss, near Poland ME -- all 8
 1978 -- Nov 06, Beechcraft Duke loses one engine, family of 7/pilot killed ~Jackson, MS -- all 8
 1979 -- Mar 01, Universal Airways takeoff crash (unsecured baggage door), ~Gulfport MS--all 8
 1982 -- Sep 11, USAF Chinook helicopter crash, airshow near Mannheim, Germany --46, US 7-8
 1986 -- Aug 29, USN CH-46 helicopter crash, Carrier USS *Saipan* off Bodoe, Norway -- 8
 1990 -- Dec 03, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus, MI-- 8
 1993 -- Apr 19, SD Governor Mickelson & party plane crash, near Zwingle, IA -- 8
 1995 -- Apr 17, USAAF C-21 Learjet plane crash, near Alexander City Airport, AL -- 8
 2009 -- Jan 04, Sikorsky helicopter hits hawk after takeoff, crashes ~Morgan City, LA -- 8

Aviation Master Set – By Mortality – continued:

1943 -- Jan 01~, Navy PBY Flying Boat sinks off Coos Bay, OR -- 7
 1945 -- June 29, USAAF TB-24 engine power loss after takeoff/crash, 6M SE Chandler AZ-- 7
 1946 -- Aug 9, USAAF A-26 Invaders collide, ground casualties, No. Montana State Fair, Great Falls-- 7
 1950 -- Sep 19, USN PB4Y-2 Privateer plane crash, Puget Sound, Saratoga Passage, WA -- 7
 1951 -- May 21, USAF C-124 Globemaster emergency landing crash near New Lisbon IN-- 7
 1953 -- Sep 18, USAF WB29 weather recon plane lost out of Kindley AFB, Bermuda -- 7
 1958 -- Sep 16, USAF B52 tail separation and plane crash, South St. Paul, MN -- 7
 1958 -- Dec 15, Johnson and Johnson Learstar crash (icing), 5M SW of Woonsocket, RI -- all 7
 1959 -- July 22, USAF KC-97 plane explosion and crash, near East Andover, NH -- 7
 1963 -- Jan 24, USAF B-52 stabilizer shaft breaks (turbulence), crash near Greenville, ME-- 7
 1967 -- Dec 10, Otis Redding Enterprises Beechcraft crash, Lake Monona, Madison, WI -- 7
 1968 -- Mar 19, Beechcraft plane crash in foggy weather, Terrible Mt., near Weston, VT -- 7
 1972 -- Apr 09, rented Cherokee-6, family outing, loses power/crashes ~AP, Fort Payne, AL-- 7
 1973 -- Feb 26, Lear jet hits birds on takeoff, crashes ~Peachtree-Dekalb AP ~Atlanta, GA-- 7
 1973 -- Oct 15, USAF C-130 Hercules flies into fog-shrouded Sugar Loaf Mountain, AR -- all 7
 1985 -- Dec 31, Century Equip. C-47 plane fire/crash (Ricky Nelson), ~DeKalb, TX -- 7
 1986 -- Jan 28, *Challenger* Space Shuttle break-up (O-Ring) Cape Canaveral, FL -- 7
 1991 -- Feb 03, Cessna 182 parachute plane collides with private plane, Osceola, WI -- 7
 1991 -- Apr 4, plane & helicopter collide (Sen. Heinz Crash), Merion (~Philadelphia), PA-- 7
 2003 -- Feb 01, Columbia Space Shuttle re-entry break-up over TX -- 7
 2019 -- Oct 02, Collins Found. B17 Flying Fortress landing crash, Windsor Locks AP, CT-- 7

Aviation Master Set – By Mortality (continued):

1922 -- Sep 23, US Army bomber crashes, “Flying Circus”, Mitchel Field, Mineola, NY -- 6
 1940 -- Oct 20, plane catches parachute’s shrouds, crashes, Marianna Airshow, AR -- 6
 1942 -- May 24, USAAF transport plane crashes in swamp, near Howe Brook, ME -- 6
 1950 -- Oct 13, Northwest Air Martin 2-0-2 captain check flight crash, Almelund, MN -- all 6
 1957 -- Apr 12, US Navy Neptune P2V-5 bomber touch & go crash, Brunswick, ME -- 6
 1962 -- May 09 USAF KC-135A Stratotanker engine failure and crash, Loring, AFB, ME-- 6
 1962 -- May 27, Dover AFB USAF C133 Cargomaster crash, Atlantic off Dover, DE -- 6
 1968 -- Mar 13, Mead Paper Co. landing crash, icy runway, Wood County AP ~Parkersburg WV--6
 1969 -- Jan 21, USAF B52 takeoff crash, incorrect trim, 1M from Minot AFB, ND -- all 6
 1971 -- Sep 25, Mantwo Inc Beechcraft takeoff crash, Gen. Mitchell Field, Milwaukee WI-- all 6
 1972 -- Sep 07, Piper Navajo loss of control AP approach crash, near Columbus, MS -- all 6
 1974 -- Aug 09, Piper Comanche charter crash 3/8 mile NE Jackson Municipal AP, MN -- 6
 1974 -- Sep 11, Piper Aztec crash, Austin, MN -- all 6
 1975 -- Nov 4, McJunkin Corp. Beechcraft King Air takeoff crash, Charleston, WV -- all 6
 1977 -- Oct 20, Lynyrd Skynyrd Band plane crash, near Gillsburg, MS -- 6
 1979 -- Aug 04, Boise Air Service Cessna T210M crash, Pistol Creek, ID -- all 6
 1983 -- July 10/11, US Army CH-47 Chinook helicopter crash, South Fox Island, MI -- 6
 1985 -- Nov 23, twin-engine Beechcraft plane crash (all aboard killed), Boca Raton, FL -- 6
 1987 -- Jan 20, US Army Beechcraft & business Piper collide over Independence, MO -- 6
 1988 -- June 8, Air Nat. Guard C-130 plane crash, touch-and-go-landing, Greenville, MS -- 6
 1992 -- Oct 7, WV Air National Guard C-130 plane crash, Berkeley Springs, WV -- 6

1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY	--	6
2011 -- Nov 23, Ponderosa Aviation Inc. small plane crash, Superstition Mts., AZ	--	6
2014 -- Dec 08, Sage Aviation AP approach crash into houses, fire, Gaithersburg MD	--	6

Aviation Master Set – By Mortality – continued:

1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico	--	5
1945 -- May 27, USAAF XP-55 Ascender crash debris hits car, air show, Wright Field, Dayton OH	--	5
1952 -- Apr 14, USN P2V Ventura patrol bomber crash, Brunswick NAS, ME	--	5
1972 -- Feb 19, USAF C-130 (5) & T-37 (0) planes collide, near Little Rock AFB, AR	--	5
1972 -- Dec 20, private Cessna stalls in circling landing approach, Eden Prairie, MN	--	all 5
1974 -- Dec 11, Iowa Aviation Cessna 210L crash on I-20, heavy rain, Brandon, MS	--	all 5
1978 -- Dec 10, USAF C-130 Hercules plane crash, landing phase, Ft. Campbell, KY	--	5
1979 -- Jan 17, helicopters collide (four on USCG) & 1 on civilian, Opa-Locka, FL	--	all 5
1989 -- Dec 01, US Army CASA 212 plane crash, Patuxent River NAS, MD	--	5
1996 -- Mar 07, US Army Chinook from Fort Campbell crashes near Olmstead, KY	--	5
2008 -- Mar 04, Cessna 500 crash/birds, near Wiley Post AP, OK City, OK	--	5
1949 -- Sep 05, P-51 Mustang plane crash, Cleveland Air Races, OH	--	3
1987 -- Sep 28, bird strike and plane crash, USAF B1-B, La Junta, CO	--	3
2007 -- Oct 23, Piper 44 bird strike, Minneapolis to Grand Forks, ND	--	2
1912 -- Apr 03, 1 st recorded plane fatality due to bird strike, C.P. Rogers	--	1
1936 -- July 25, seaman Gladstone thrown from plane, bird collision-prevention maneuver	--	1
1992 -- May 28, U.S. Marine Corps Hornet crash due to bird-strike, near Gainesville, FL	--	1

AVIATION⁶² -- Master Set -- CHRONOLOGICAL

1. 1919 -- July 21, Dirigible *Wingfoot* fire/crash (3) into bank skylight (10), Chicago, IL -- 13
- 1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico-- 5
2. 1922 -- Feb 21, USA dirigible airship *Roma* crash, Hampton Roads Naval Base, VA -- 34
- 1922 -- Sep 23, US bomber crash, "Flying Circus", Mitchel Field, Mineola, NY -- 6
3. 1925 -- Sep 03, Navy Dirigible *Shenandoah* upset by storm/breakup/crash ~Marietta OH-- 14
4. 1929 -- Mar 17, Colonial Western Airways Tri-Motor crash, sightseeing, Newark NJ -- 14
5. 1930 -- Jan 02, Motion Picture Private Planes Collide, Santa Monica, CA -- 10
6. 1930 -- Jan 19, Transcontinental Air Transport # 7 Crash, Oceanside, CA -- 16
- 1930 -- Apr 27, Plane Buzzes Spectators, Crashes at Air Show near Fayetteville, TN -- 9
7. 1933 -- Mar 25, Varney Speed (Air) Lines Crash, San Leandro, CA -- 14
8. 1933 -- Apr 04, Storm, USN dirigible *Akron* crash/73, 2 rescuers, off Barnegat City, NJ-- 75
9. 1933 -- Jun 11, Chicago Exposition Sightseeing Plane Crash, near Glenview, IL -- 9-10
10. 1933 -- Oct 10, United Airlines Bombing/Sabotage, Chesterton, IN -- 10
11. 1935 -- Oct 07, United Airlines Airport approach crash, Cheyenne, WY -- 12
12. 1936 -- Jan 14, American Airlines Douglas DC-2 Crash, Goodwin, AR -- 17
13. 1936 -- Apr 07, TWA Flight No. 1 Crash into Mt., Fairchance, PA (Southwest PA) -- 12
14. 1936 -- Sep 05, Skyways sight-seeing plane crash, Buttermilk Hollow, PA ~Pittsburgh-- 10
15. 1936 -- Dec 19, Eastern Air NC13732 plane crash, Milford, PA -- 14
16. 1936 -- Dec 27, United Air 34 Crash, Rice Canyon, Newhall, CA -- 12
17. 1937 -- Feb 09, United Air Flight 23 Crash, San Francisco Bay, CA -- 11
18. 1937 -- Mar 25, Inflight Icing, Crash, TWA NC13730, Clifton (~Pittsburgh), PA -- 13
19. 1937 -- May 06, Deutsche Zeppelin Hindenburg Air Crash, Lakehurst, NJ -- 36
20. 1937 -- Oct 17, United Airlines Transport Crash, Humpy Ridge, UT -- 19
21. 1938 -- Jan 10, Northwest Airlines Plane Crash, Bridger Canyon, MT -- 10
22. 1938 -- Feb 02, Mid-Air Collision, Two Navy PBY-2 Bombers, off S. CA -- 11
23. 1938 -- Mar 30, War games, 2 USN Consolidated patrol bombers crash, off Oahu, HI -- 11
24. 1938 -- May 24, United Air Flight 9 Fire and Crash, near Cleveland, OH -- 10
25. 1938 -- Jul 29, Pan Am Air's "Hawaii Clipper" out of Alameda CA, lost, Pacific -- 15
26. 1939 -- Mar 18, Boeing Stratoliner test flight Crash, near Adler, Mt. Rainier, WA -- 10
27. 1939 -- Aug 11, Two USAAF Plane Crashes, Langley Field VA (9); Miramar CA (2) -- 11
28. 1940 -- Jun 17, Two USAAF Bombers Collide/Crash, Bellerose Manor, Queens, NY -- 12
29. 1940 -- Aug 31, Pennsylvania Central NC21789 Crash, Lovettsville, VA -- 25
- 1940 -- Oct 20, Plane Catches Parachute's Shrouds, Crashes, Marianna Airshow, AR -- 6
30. 1940 -- Nov 4, United Air NC16086 Crash, Centerville, UT -- 10

⁶² Include some US General Aviation and Military aviation events overseas.

31. 1940 -- Dec 04, United Airlines DC-3 (NC25678) plane crash, Chicago, IL -- 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

32. 1941 -- Jan 04, USN Transport *R2D-1* landing crash, San Diego, CA -- 11
33. 1941 -- Oct 30, American Air #1 Crashes, NYC to Chicago, St. Thomas, Ont. Can. -- 20
34. 1941 -- Oct 30, Northwest Airlines DC-3 Crash, Moorhead, MN⁶³ -- 14
35. 1941 -- Nov 02, US Naval Patrol "Flying Boat" Crashes, mountain ~Krisuvik, Iceland-- 12
36. 1941 -- Dec 30, 3 USAAF Planes Crash in CA; near Allensworth, Keller Peak, Oakland-- 11

37. 1942 -- Jan 14, Five USAAF Planes Crash, AL, ID, NH, TX, VA -- 15
38. 1942 -- Jan 16, TWA Flight 3 Hits Potosi Peak, Carole Lombard killed, NV -- 22
39. 1942 -- Jan 17, 3 USAAF Crashes, Riverside CA, Pendleton Field OR, Curtis Field TX-- 10
40. 1942 -- Feb 04, USAAF Planes Crash, Lake Tahoe NV, Brooks Field TX, Trinity Ctr CA--10
41. 1942 -- Feb 11, Four USAAF Planes Crash, Taft, Lemoore CA, Granby CT, WA -- 13
42. 1942 -- Feb 20, Seven U.S. Military Planes Crash, CA, Wash. DC, TX (2), WA (2) -- 13
43. 1942 -- Mar 05, 2 USAAF Plane Crashes, St. Lucie Riv., Port Sewall, FL; off NC/VA-- 15
44. 1942 -- Mar 15, Army AF B-17 Flies into Mountain near Pendleton, OR -- 10
45. 1942 -- Mar 18 Eleven USAAF Planes Crash, CA (5), OH (4), TX, WV -- 11
46. 1942 -- Apr 02, Six USAAF Planes Crash, AR, CA, GA (2), TX, WA -- 12
47. 1942 -- Apr 03, Seven USAAF Planes Crash, ID, LA, NC, RI, SC, TX -- 20
48. 1942 -- Apr 05, Plane Crash, USAAF B-17 Flying Fortress, Oahu, HI -- 10
49. 1942 -- Apr 12, Two U.S. Navy Bombers Crash near Livermore, CA -- 14
50. 1942 -- Apr 16, Two USAAF Planes Crash, Chesapeake Bay; MacDill Field, FL -- 10
51. 1942 -- Apr 29, Four USAAF Planes Crash -- Kodiak, AK; Smyer, TX; Orlando, FL -- 15
52. 1942 -- May 01, United Air NC18146 Crash, Salt Lake City, UT -- 17
53. 1942 -- May 03, 3 USAAF Crashes Or/WA, Meacham, Pleasant Val., OR; McChord Field, WA--17
54. 1942 -- May 06, Army AF B-17 Disappears, Training Flight, Gulf of Mexico -- 10
55. 1942 -- May 12, 6 Planes Crash/Collide, IL (2), OK (4 planes, 7 dead), WA (5 dead) -- 14
56. 1942 -- May 15, Four USAAF Crashes, CA (2), ~Wendover Field, UT, ~Mason, TX -- 10
1942 -- May 24, USAAF Transport Plane Crashes in swamp near Howe Brook, ME -- 6
57. 1942 -- June 01, Planes Crash, Two USAAF (MD and PA) and one US Navy (CA) -- 9-10
58. 1942 -- June 04, US Army AF LB-30 Crash, near Hamilton Field, CA -- 14
59. 1942 -- June 05, Plane Lost, USN PBY-5A #05023, NAS Pensacola to Gulf -- 10
60. 1942 -- June 08, USN Airships Collide, *Defender/G-1*, Ocean, ~Lakehurst, NJ -- 12
61. 1942 -- July 01, US Army AF Douglas C-49E Crash, Near Premier, WV -- 21
62. 1942 -- July 18, U.S. Army Air Force B-17 Crash, North Reading, MA -- 10
63. 1942 -- July 30, USAAF C-73 Takeoff Crash, Minneapolis, MN -- 10
64. 1942 -- Aug 15, US Army AF C-53 Crash, near Garnet Peak, Peru, MA -- 16
65. 1942 -- Aug 19, USN Plane hits tugboat, Coco Solo Navy Base, Panama Canal Zone --12-14
66. 1942 -- Sep 11, P-40 Warhawk Plane Crash, Curtiss-Wright Plant, near Buffalo, NY -- 14
67. 1942 -- Sep 11, U.S. Army Air Force B-24 Crash, Mt. Baldy, AZ -- 10
68. 1942 -- Sep 22, Eight USAAF Planes Crash or Collide, CT, FL (3), GA, ME (2), PA -- 25
69. 1942 -- Oct 01, USAAF C-39 Transport Plane Crashes near Caomo, Puerto Rico -- 22
70. 1942 -- Oct 03, USN Sikorsky Flying Boat *Excalibur* Crashes, Botwood, NFLD, Can.-- 11

⁶³ Was attempting Fargo, ND landing – went down just north of the Moorhead, MN city limits.

71.	1942 -- Oct 17, US Army Air Force B-17 plane crash, Sierra Grande Mt., NM	--	11
72.	1942 -- Oct 23, American Air & U.S. Army B-4 bomber collide, Palm Springs, CA	--	12
73.	1942 -- Nov 11, USN Patrol Plane (Banana River NAS) Crash 5M off Melbourne FL	--	9-11
74.	1942 -- Nov 30, US Army AF B-17 Crash, near Sioux City, IA	--	10
75.	1942 -- Dec 02, U.S. Army Air Force B-17 Crash near Grace, ID	--	10
76.	1942 -- Dec 05, USAAF C-47 Approach Crash, ~Maxwell Field, Montgomery, AL	--	12
77.	1942 -- Dec 15, Western Airlines NC16060 Crash. Fairfield, UT	--	17
78.	1942 -- Dec 30, U.S. Army Air Force B-17 Crash, Musselshell, MT	--	12

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

79.	1943 -- Jan 02, U.S. Army Air Force B-17 Crash, Elko, NV	--	10
80.	1943 -- Jan 06, U.S. Army Air Force B-24 Crash, Madill, OK	--	10
81.	1943 -- Jan 06, U.S. Army Air Force B-24 Crash, White City, KS	--	11
82.	1943 -- Jan 12, U.S. Army Air Force B-24 Crash, Alamogordo, NM	--	10
83.	1943 -- Jan 15, U.S. Army Air Force B-17 Crash, Gowen Field, ID	--	10
84.	1943 -- Jan 15, USAAF C-54 (TWA Contract), Crash, Dutch Guiana [Suriname]	--	35
85.	1943 -- Jan 17, U.S. Army Air Force B-24 Crash, Alamogordo, NM	--	11
86.	1943 -- Jan 18, U.S. Army Air Force B-24 Crash, Bassett Peak, AZ	--	11
87.	1943 -- Jan 21, Pan Am 1104 (USN Transport) Crashes, Mt. ~Boonville & Ukiah CA	--	19
88.	1943 -- Jan 24, U.S. Army AF B-24 Crash, White Sands Nat. Mon. NM	--	11
89.	1943 -- Jan 24, U.S. Army AF B-24 Crash, Ruidoso, NM	--	10
90.	1943 -- Jan 24, U.S. Army AF B-17 Crash, near Ordway, CO	--	10
91.	1943 -- Jan 25, U.S. Army Air Force B-17 Crash, New Albany, OH	--	12
92.	1943 -- Jan 26, US Army AF B-23 Dragon Crash, Flomaton, AL	--	10
93.	1943 -- Jan 31, USAF Consolidated Liberator Crash, Tucson, AZ	--	11
94.	1943 -- Feb 05, Mid-air Collision, 2 USAAF B-25 Bombers, Newberry, SC	--	14
95.	1943 -- Feb 11, Army Bomber Crashes, Near Wala-Wala, WA	--	10
96.	1943 -- Feb 17, U.S. Army Air Force B-17 Crash, near Huron, SD	--	12
97.	1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA ⁶⁴	--	32-34
98.	1943 -- Feb 25, U.S. Army AF B-17 Crash, near Glenrock, WY	--	10
99.	1943 -- Feb 26, U.S. Army AF B-17 crash, Biggs Field, El Paso, TX	--	10
100.	1943 -- Feb 28, USAAF B-26 Bombers (2), Mid-Air Collision, Avon Park, FL	--	11
101.	1943 -- Mar 22, Plane Crash, USAAF, Army Air Field, Harlingen, TX	--	10
102.	1943 -- Mar 27, USAAF C-47 explosion, structural failure, crash, Oliver Springs, TN	--	11
103.	1943 -- Mar 29, USAF B-17 42-5313 Crash, Ephrata AFB, WA	--	11
104.	1943 -- Apr 12, Plane Crash, USAAF ~Davis-Monthan Field, Tucson, AZ	--	10
105.	1943 -- Apr 15, Crash, USAAF, Buckingham Army Air Field, Fort Myers FL	--	11
106.	1943 -- Apr 21, Crash, USAAF B-24 ~210 miles off Virginia Beach, VA	--	10
107.	1943 -- Apr 21, Crash, USAAF C-69A, Evansville Municipal Airport, IN	--	10
108.	1943 -- Apr 23, USAAF, B26's Collide, Army Air Base, Venice, FL	--	13
109.	1943 -- Apr 26, USAAF B-24D Plane Crash, near Ballinger, TX	--	10

⁶⁴ Cross-listed in Fire-Structural.

110. 1943 -- Apr 29, USAAF B-24 plane lost, Hamilton Field, CA to Hickam Field, HI -- 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

111. 1943 -- May 07, USAAF B-17F plane crash, Army Air Base, Dalhart, TX -- 11
112. 1943 -- May 08, USAAF C-47 Plane Crash, near Tinker Field, Oklahoma City, OK -- 15
113. 1943 -- May 13, USAAF B-24's Collide, near Biggs Field, El Paso, TX -- 15
114. 1943 -- May 15, USAAF C-47 Plane Crash in Fog, Ginger Cake Mountain, NC⁶⁵ -- 18
115. 1943 -- May 16, Runway Collision, B-17's, Ephrata Army Air Base, WA -- 10
116. 1943 -- May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog, Chicago IL⁶⁶ -- 12
117. 1943 -- May 22, USAAF B-17 Plane Crash, Army Air Base, Rapid City, SD -- 11
118. 1943 -- May 23, USAAF B-17F Plane Crash,, Yellowstone National Park, MT -- 10
119. 1943 -- May 29, USAAF B-24 Plane Lost, Pacific Ocean off Coast of CA -- 10
120. 1943 -- May 31, USAAF C-67 Plane Crash, Smith Creek Valley, NV -- 11
121. 1943 -- June 13, Two USAAF B-17F Bombers Collide near Fedora, SD --10-11
122. 1943 -- June 15, USAAF B-24E's Collide, near Ruidoso, NM -- 19
123. 1943 -- June 25, USN Plane Crash, St. John River near Green Cove Springs, FL -- 13
124. 1943 -- June 26, Six USAAF Plane Crashes/Collisions, CA (2), FL (2), ME, SC -- 16
125. 1943 -- June 28/29, USAAF Plane Crash, Big Horn Mts., Cloud Peak, WY -- 10
126. 1943 -- June 29, USAAF B-24E Plane Crash, Alamogordo Army Air Base, NM -- 10
127. 1943 -- July 02, USN VF-5 Plane Crash, Table Top Mt. ~NAS Dutch Harbor, AK --10-11
128. 1943 -- July 03, USAAF B-17F Plane Crash, White City, KS -- 10
129. 1943 -- July 05, USAAF B-24E Plane Crash, fog, Green Mt., San Miguel Island, CA-- 12
130. 1943 -- July 07, USN PB4Y1 Liberator Plane Crash, off NAS Barbers Pt., Oahu, HI-- 11
131. 1943 -- July 15, USAAF B24D sea crash at end of runway, Castle Harbour, Bermuda-- 11
132. 1943 -- July 19, Plane Crash, USAAF C-53D, near Malcolm and Lincoln, NE -- 13
133. 1943 -- July 19, USAFF B-24E Crash, Taylor Canyon, 27 mi NE of Gunnison, CO -- 11
134. 1943 -- July 21, USAAF B-26C's Collide, near Parrish, FL -- 10
135. 1943 -- July 24, USAAF B-17A Plane Crash, near Army Air Base, Ephrata, WA -- 13
136. 1943 -- July 28, American Air Flight 63 Plane Crash near Trammel, KY -- 20
137. 1943 -- July 28, USAAF B-24E Structural Failure/Crash, Adena, CO -- 12
138. 1943 -- July 28, USAAF B-24E Plane Crash, 12 mi. N Biggs Field, El Paso, TX -- 11
139. 1943 -- Aug 01, US Army Air Force CG-4 Glider Demo Flight Crash, St. Louis, MO-- 10
140. 1943 -- Aug 09, U.S. Navy bomber Crashes into bus, Pearl Harbor Navy Yard, HI -- 11
141. 1943 -- Aug 10, Two Walla Walla USAAF bombers crash, ~Cecil, OR, Paterson, WA-- 15
142. 1943 -- Aug 12, Plane Crash, USAAF B-24A, near Indio, CA -- 10
143. 1943 -- Aug 14, USAAF B-24E Plane Crash, Shoshone Nat. Forest, ~Dubois, WY -- 11
144. 1943 -- Aug 14, Plane Crash, USAAF B-24E, near Ellsworth, KS -- 11
145. 1943 -- Aug 16, Plane Crash, USAAF B-24E, near Pueblo, CO -- 10
146. 1943 -- Aug 16, U.S. Army AF B-24E Plane Crash, Gowen Field, Boise, ID -- 10
147. 1943 -- Aug 18, U.S. AAF B24 Crash, Gulf of Mexico, off Corpus Christi, TX -- 10

⁶⁵ Cross-listed under Fog as contributing condition.

⁶⁶ Cross-listed in Fog as a Contributing Factor.

- 148. 1943 -- Aug 18, U.S. Army Air Force B-24E plane crash, Otero County, NM -- 12
- 149. 1943 -- Aug 18, USN patrol plane, VP-210, crashes off Montauk Pt., Long Isl., NY -- 12
- 150. 1943 -- Aug 24, USAAF B-17 Crash, Gibson Ranch, near Dovetail & Winnett, MT -- 11
- 151. 1943 -- Aug 27, USAAF B-24 Crash, Cheyenne Mt., ~Peterson Field, CO -- 10
- 152. 1943 -- Aug 28, 3 USAAF Planes Collide, , near Army Air Base, Harvard, NE -- 14
- 153. 1943 -- Aug 29, Plane Crash, USAAF B-24E, near Wendover Field, UT -- 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

- 154. 1943 -- Sep 01, USAAF B-17F explosion and crash near Fort Benton, MT -- 10
- 155. 1943 -- Sep 02, Crash, USAAF B-24E, near Army Air Base, Sioux City, IA -- 10
- 156. 1943 -- Sep 05, Plane Crash, USAAF B-17F, Lake Cormorant, MS -- 10
- 157. 1943 -- Sep 05, US Army AF Skytrooper Crashes near Sedalia MO -- 11
- 158. 1943 -- Sep 06, Plane Crash, USAAF B-17F, near Rapid City, SD -- 10
- 159. 1943 -- Sep 10, Mid-Air Collision, 2 USAAF B-17's, off Galveston, TX -- 22
- 160. 1943 -- Sep 20, Transport Crash, Laurinburg-Maxton Army Air Base, NC -- 25
- 161. 1943 -- Sep 22, Plane Crash, USAAF C-53, near Calcutta, India -- 20
- 162. 1943 -- Sep 22, Plane Crash, USAAF B-24D, near Waldo, KS -- 11
- 163. 1943 -- Sep 28, Plane Crash, USAAF B-24H, near Fountain, CO -- 11
- 164. 1943 -- Sep 30, USAAF B-24H, Plane Crash, near Villa Santa Maria Del Norte, CO-- 11

- 165. 1943 -- Oct 01, Plane Crash, U.S. Army Air Force, B-24D, Elk, CA -- 10
- 166. 1943 -- Oct 03, Crash, USAAF B-17F, Army Air Field, Brooksville, FL -- 11
- 167. 1943 -- Oct 04, Crash, USAAF, B-24D, Army Air Base, Blythe, CA -- 10
- 168. 1943 -- Oct 06, Lost, USAAF, B-24D, Pacific Ocean off N. CA/OR -- 10
- 169. 1943 -- Oct 14, Plane Crash, USAAF, B-24D, Neighbours, CA -- 10
- 170. 1943 -- Oct 15, Crash, USAAF B-24E near Army Air Base, Blythe, CA -- 10
- 171. 1943 -- Oct 15, American Airlines Flight #63 Crashes near Centerville, TN --11-15
- 172. 1943 -- Oct 22, US Army Air Force C-47 Crash, Lawson Field, Ft. Benning, GA -- 20
- 173. 1943 -- Oct 22, Crash, USAAF B-17, Arkansas River, near Ponca City, OK -- 14
- 174. 1943 -- Oct 24, Crash, USAAF, Smokey Hill Army Air Field, Salina, KS -- 10
- 175. 1943 -- Oct 25, Two USAAF B-24H Planes Collide, near Milligan, NE -- 17
- 176. 1943 -- Oct 29, USAAF B-24 plane crash, Atlantic off West Palm Beach, FL -- 14
- 177. 1943 -- Oct 29, USAAF C-47 Crashes at Hoffman-Mackall AAF, NC -- 14
- 178. 1943 -- Oct 29, Crash, USAAF B-24E, Cucamonga Peak, Fontana, CA -- 10

- 179. 1943 -- Nov 03, Plane Crash, US Army AF, B-24J, near Pueblo, CO -- 10
- 180. 1943 -- Nov 18, Crash, U.S. Army AF, B-24J, near Melrose, NM -- 12
- 181. 1943 -- Nov 18, USN Transport Plane Crash, 30mi. E of Rio De Janeiro, Brazil --17 of 18
- 182. 1943 -- Nov 19, Crash, USAAF B-17F, near Thonotosassa, FL -- 10
- 183. 1943 -- Nov 25, USAAF B-24E's Collide, ~ Army Air Field, Liberal, KS -- 11

- 184. 1943 -- Dec 04, B-24 Bomber Crash, near Elverson, PA (near Reading, PA) -- 9-10
- 185. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI⁶⁷ --20-22
- 186. 1943 -- Dec 13, USAAF B-17F Plane Crash, near Rosebud, SD -- 10

⁶⁷ Cross-listed under Explosions.

- 187. 1943 -- Dec 13, USN PBM-3S, VP-213, BuNo 48126 lost on patrol off NC Coast -- 18
- 188. 1943 -- Dec 14, USAAF B-24J plane crash, near Omaha, NE -- 16
- 189. 1943 -- Dec 15, USAAF, B-17 plane crash, Army Air Base, Ardmore, OK -- 12
- 190. 1943 -- Dec 19, Two USAAF B-24s Crash -- near Sausalito, CA and near Burley, ID-- 17
- 191. 1943 -- Dec 22, Crash, USAAF B-24, ~Morrison Field, West Palm Beach FL -- 14
- 192. 1943 -- Dec 29, Mid-Air Collision 2 USAAF B-24's, Near Lakeside, UT -- 25

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

- 193. 1944 -- Jan 02, Breakup, USAAF B-17G, McClellan Field, Sacramento, CA -- 13
- 194. 1944 -- Jan 03, Plane Crash, USAAF B-24J, 25 miles SE of Muroc, CA -- 10
- 195. 1944 -- Jan 13, Crash, USAAF B-17, near Army Air Field, Fort Worth, TX -- 10
- 196. 1944 -- Jan 20, USN PB4Y-1 Liberator 32163 Crash after takeoff, Camp Kearny, CA-- 13
- 197. 1944 -- Jan 22, Collision, USAAF, Gulf of Mexico, near Little Marco Pass, FL -- 10
- 198. 1944 -- Jan 24, Mid-Air Collision, USAAF C-60/AT-7, near Farmersville, LA -- 10
- 199. 1944 -- Jan 26, Navy Patrol Plane Crashes, Key West Naval Patrol Station, FL --11-12

- 200. 1944 -- Feb 03, Mid-Air Collision, USAAF B-26B's, near Garland, AR -- 13
- 201. 1944 -- Feb 07, Two USAAF Planes Crash, Parkton, NC, Wendover Field, UT -- 13
- 202. 1944 -- Feb 10, American Air Flight 2 Crash, Mississippi River, Memphis, TN -- 24
- 203. 1944 -- Feb 12, USAAF B-25's Collide, ~ Army Air Base Greenville, SC -- 19
- 204. 1944 -- Feb 12, Two USAAF B-17's Collide, one Crashes, Mill Creek, OK -- 10
- 205. 1944 -- Feb 16, US Army Air Force B-17F Plane Crash, Wimauma, FL -- 12
- 206. 1944 -- Feb 16, USN Air Transport Unit Flight Missing, NAS Seattle to Kodiak, AK-- 14
- 207. 1944 -- Feb 18, USAAF B-24's Collide, near Williams Field, AZ -- 17
- 208. 1944 -- Feb 22, Crash, USAAF, B-17F, Kittatinny Mt., Warren Ct., NJ -- 12
- 209. 1944 -- Feb 23, USN North Amer. PBJ-1D Mitchell Bombers Collide ~Bern, NC -- 10
- 210. 1944 -- Feb 25, USAAF Planes Collide, Army Air Field, Las Vegas, NV -- 12
- 211. 1944 -- Feb 26, Plane Lost, USAAF, B-24E, Atlantic Ocean, off SE Coast -- 10
- 212. 1944 -- Feb 26, Plane Crash, USAAF, B-17, near Palmer Lake, CO -- 10

- 213. 1944 -- Mar 03, USAAF B26s Collide, ~ Barksdale Field, Shreveport, LA -- 12
- 214. 1944 -- Mar 05, USAAF B24 Explodes/Cashes, Atlantic Ocean, off FL -- 12
- 215. 1944 -- Mar 06, Plane Crash, USAAF B17G, near Maxwell, IA -- 10
- 216. 1944 -- Mar 15, USAAF Bomber Crashes, Bull Mountain, ~Stuart, southwest VA -- 11
- 217. 1944 -- Mar 18, Crash, USAAF B24H, ~Davis-Monthan Field, Tucson, AZ -- 10
- 218. 1944 -- Mar 20, Crash, USAAF, RB-24E, near Biggs Field, El Paso, TX -- 10
- 219. 1944 -- Mar 26, Crash, USAAF, B-24, ~Naval Air Station, Melbourne, FL -- 10

- 220. 1944 -- Apr 07, USAAF B-24H Lost, Atlantic Ocean, off coast of MA -- 11
- 221. 1944 -- Apr 09, USAAF B-24D Crash, ~ USMC Air Station, Mojave, CA -- 10
- 222. 1944 -- Apr 11, US Navy War Eagles VP-16 Orion Crashes east of Columbus, NM -- 12
- 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
- 223. 1944 -- Apr 24, Plane Crash, USAAF B-24H, near Epsom, NH -- 10
- 224. 1944 -- Apr 24, USAAF B-17G Crash, ~ Ardmore Army Air Field, OK -- 11
- 225. 1944 -- Apr 25, USAAF B-24's Collide, near Yuma Army Air Field, AZ -- 12

226. 1944 -- Apr 28, US Navy R4D transport plane crash, Anderson Mesa, northern AZ -- 19
 227. 1944 -- Apr 29, USAAF RB-24E Liberator bomber plane crash, near Merna, NE -- 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

228. 1944 -- May 05 USAAF plane crash, out of Hickam Field HI, Aiea Ridge, Oahu, HI-- 10
 229. 1944 -- May 10, USAAF Plane Crash, near Biggs Field, El Paso, TX -- 10
 230. 1944 -- May 16, Dirigible Airship K-5 Crash, Lakehurst NAS, NJ -- 10
 231. 1944 -- May 18, USAAF B-17 Crash, near Rapid City Army Air Base, SD -- 10
 232. 1944 -- May 19, USN 32226 PB4Y-1 Liberator Plane Crash ~MCAS Cherry Point, NC--13
 233. 1944 -- May 26, USAAF B-17G Plane Crash, Ronald Horn farm, near Anthon, IA --10-11
 234. 1944 -- May 27, USAAF B-24J Crash, Westover Field, Chicopee, MA -- 10
 235. 1944 -- May 29, Plane Crash, USAAF B-17G, near Ridgely, TN -- 10
 236. 1944 -- May 30, USN PB4Y and F4F Collide, Palomar Mt., San Diego County, CA -- 12
 237. 1944 -- May 30, USN PB4Y1 Liberator Emer. Lndg. Crash, NAAS Chincoteague, VA-- 11
238. 1944 -- Jun 06, USN PB4Y-1 Takeoff Crash into building, Camp Kearney, CA --17-18
 239. 1944 -- Jun 07, USAAF B-24J Plane Crash, near Chappell, NE -- 10
 240. 1944 -- Jun 08, USAAF Bombers Collide, Homes Burn, Kill Civilians, Honolulu, HI-- 14
 241. 1944 -- Jun 13, USAAF B-24E Bomber Crash, Green Knob Mt., near Asheville, NC-- 10
 242. 1944 -- Jun 20, USAAF B-24J Lost, Atlantic Ocean, off Southeast Coast -- 10
 243. 1944 -- Jun 22, USAAF B-24J Crash, ~Walla Walls Army Air Field, WA -- 10
 244. 1944 -- Jun 29, USAAF B-24D Plane Crash, near Tobe, CO -- 10
 245. 1944 -- Jun 30, USAAF B-24J Plane Lost, off Myrtle Beach, SC -- 10
246. 1944 -- July 02, USAAF B-29 Breaks-up/Storm/Crashes, near Harmon, OK -- 11
 247. 1944 -- July 04, USAAF B-24J Planes Collide, near Palm Springs, CA -- 10
 248. 1944 -- July 11, USAAF B-17G Crash, Deer Mountain near Rangeley, ME -- 10
 249. 1944 -- July 11, Mil. Plane Crash/Fire/Fog, Trailer Camp, South Portland, ME⁶⁸ -- 19
 250. 1944 -- July 19, USAAF Consolidated Liberator Crash, Touchet, WA -- 12
 251. 1944 -- July 20, USAAF B1-17F's Collide, Brooksville, FL -- 10
 252. 1944 -- July 20, USAAF B-24's Collide, near Roswell, NM -- 10
 253. 1944 -- July 21, 3 USAAF C-47s Lost, Atlantic, 25M off Cape Fear, NC -- 15
 254. 1944 -- July 23, USAAF B-24J Fire/Crash, ~Chatham Field, Savannah, GA -- 10
 255. 1944 -- July 25, USAAF B-24 crash, San Pablo Bay, near San Rafael, CA -- 10
 256. 1944 -- July 27, USAAF C47A Plane Crash, Isle of Mull, ~Port Logan, Scotland--21US/22
 257. 1944 -- July 26, US Army AF Douglas C-54 Crashes off Greenland -- 26
 258. 1944 -- July 30, USAAF B-17 Breaks-up/Crashes, 6M from St. Marks, FL -- 10
259. 1944 -- Aug 01, USAAF B-24's Collide near Furnace Creek, Death Valley, CA -- 17
 260. 1944 -- Aug 03, USAAF Douglas D-47 Crash, Thunderstorm, Napier, NE -- 28
 261. 1944 -- Aug 05, USAAF B17G's Collide, near Dixon, NE -- 17
 262. 1944 -- Aug 08, Pan Am #218 *Hong Kong Clipper* Crashes off Antilla, Cuba -- 17
 263. 1944 -- Aug 09, USAAF B-24J Plane Fire/Crash, near Kiowa, CO -- 10
 264. 1944 -- Aug 21, USAAF YB-29 plane crash, 25M from Alamogordo, NM -- 10

⁶⁸ Cross-listed under Fog as contributing condition.

265. 1944 -- Aug 21, USAAF B-24J planes collide, near Model, CO -- 18
 266. 1944 -- Aug 27, USAAF B-17G plane crash, 20M ~Bay St. Louis, MS -- 10
 267. 1944 -- Aug 28, USAAF Douglas C54A plane crash, Prestwick, Scotland --20 US of 25

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

268. 1944 -- Sep 01, USAAF B-24J plane crash, ~ Muroc Army Air Field, CA -- 10
 269. 1944 -- Sep 17, Plane Crash, Liberal AA Field USAAF B-29, near Copeland, KS⁶⁹ -- 12
 270. 1944 -- Sep 18, USAAF Douglas C-47 Crash, Denali State Park, ~Talkeetna, AK -- 19
 271. 1944 -- Sep 24, US Army AF Douglas C-47 Crashes, Camp Mackall, NC -- 12
 272. 1944 -- Sep 27, USAAF RB-24E Plane Crash, near San Jon and Tucumcari, NM -- 11
 273. 1944 -- Sep 29, USN PBM-3D Crash, Southeast of Palau Island, West Central Pacific-- 10
274. 1944 -- Oct 08, USAAF B-29 Plane Crash, near Love Field, Dallas, TX -- 15
 275. 1944 -- Oct 15, USAAF B-29 Crash, Alamogordo Army Air Base, NM -- 12
 276. 1944 -- Oct 17, USAAF B-24J Plane Crash, 12M NE of Ukiah, OR -- 10
 277. 1944 -- Oct 18, Plane Crash, USAAF B24H, near Birkenhead, Merseyside, England-- 24
 278. 1944 -- Oct 24, USAAF B-17F Plane Crash, near Russell, KS -- 12
 279. 1944 -- Oct 24, USAAF B-29 Crash, Barksdale Field, Shreveport, LA -- 11
 280. 1944 -- Oct 26, USAAF C-46A's Collide, Reno Army Air Base, NV -- 12
 281. 1944 -- Oct 29, USAAF B-17F Crash, ~ Chatham Field, Savannah, GA -- 10
282. 1944 -- Nov 03, USAAF Planes Collide, near Kingman Army Air Field, AZ -- 15
 283. 1944 -- Nov 04, TWA Flight 8 Crashes in Thunderstorm near Hanford, CA -- 24
 284. 1944 -- Nov 06, USN Planes Collide, St. Johns River near NAS Jacksonville, FL -- 18
 285. 1944 -- Nov 07, USN PB4Y-1 Liberator Plane Crash, off Fort Monroe, VA -- 12
 286. 1944 -- Nov 10, USAAF B-29 Plane Crash, near Clovis Army Air Field, NM -- 15
 287. 1944 -- Nov 11, USAAF C-47B Crash, Strawberry Peak, near Glendale, CA --12-13
 288. 1944 -- Nov 11, US Air Transport Command C-54 crashes, Pacific, 50 mi. off Oahu-- 17
 289. 1944 -- Nov 13, USAAF C-47 Crashes near Army Air Base, Casper, WY -- 11
 290. 1944 -- Nov 18, USAAF B-24J Plane Crash, ~ March Field, Riverside, CA -- 11
 291. 1944 -- Nov 19, Plane Crash, USAAF C-47A, ~Brighton and Lewes, England --24 US/25
 292. 1944 -- Nov 29, USAAF B-24 Liberator Plane Crash, Middle Mt., Nottingham, NH -- 9-10
 293. 1944 -- Nov 30, USAAF B-24's collide near Davis-Monthan AAF, Tucson, AZ -- 18
294. 1944 -- Dec 05, USAAF P-47/B-24J planes collide near Walterboro AAF, SC -- 13
 295. 1944 -- Dec 07, USAAF AT-18 transport takeoff crash/fire, Omaha Municipal AP, NE-- 17
 296. 1944 -- Dec 08, USAAF AT-18 planes collide, Sioux falls Army Air Field, SD -- 10
 297. 1944 -- Dec 22, USAAF B-24 plane crash, Mt. Gleason, La Crescenta, CA -- 10
 298. 1944 -- Dec 25, USAAF C-47 plane crash, Black Mesa Mountain, Quartzsite, AZ -- 17
 299. 1944 -- Dec 25, USAAF C-47A plane crash, Roundtop Mt. near Harrisburg, PA --11-12
 300. 1944 -- Dec 27, USAAF B-24J plane crash, near Mattituck, Long Island, NY -- 11
 301. 1944 -- Dec 29, USAAF B-24J structural failure, poor weather, crash ~Meridian, ID-- 10
 302. 1944 -- Dec 29, USAAF C-47A crash into hillside near Adak Army Air Base, AK --all 13
 303. 1944 -- Dec 30, USAAF B-29 plane fire and crash, near Walker AAF, KS -- 10

⁶⁹ Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.

- 304. 1945 -- Jan 06, USAAF C-46 crash, Himalayan mt.-side, Arunachal Pradesh, NE India--all 13
- 305. 1945 -- Jan 8, Pan Am 161 too-fast nose-down water landing crash, Port of Spain, Trinidad--23
- 306. 1945 -- Jan 8, TX: USAAF B-26 bombers collide ~Brownsville/9; A-20 Havoc crash SW San Anton./1--10
- 307. 1945 -- Jan 09, USAAF B-29 lost at sea (Atlantic?), Pratt AAF KS to Puerto Rico -- 16
- 308. 1945 -- Jan 09, USAAF B-24 breakup and crash, near Chatham Field, Savannah, GA-- 11
- 309. 1945 -- Jan 10, American 6001 missed approach crash, fog, Verdugo Mts. ~Burbank AP, CA--24
- 310. 1945 -- Jan 15, USN R4D-5 & USAAF Stinson collide on runway, Tacloban AP, Philippines--21
- 311. 1945 -- Jan 17, USAAF B-17F engine fire and crash 6M NW of Bay Minette, AL -- 11
- 312. 1945 -- Jan 20, USAAF B-24J landing approach crash, 2½M SE of Muroc AAF, CA-- 10
- 313. 1945 -- Jan 24, two USAAF B-17Fs in flight of five collide/crash ~5M NE of Dyersburg, TN-16
- 314. 1945 -- Jan 26, USAAF B-17G crash, near Hendricks Field, Sebring, FL -- 10
- 315. 1945 -- Jan 26, USN PB4Y-1 Liberator landing crash, near NAAS Jacksonville, FL -- 11

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 316. 1945 -- Feb 01, USN PBY-5A crash, night navigation trng., Kaneohe NAS, Oahu, HI-- 10
- 317. 1945 -- Feb 02, Florence to Rome USAAF C-47 mt. crash in fog 3M W of Montieri, Italy--23
- 318. 1945 -- Feb 04, USAAF C-46 Commando on-board fire, crash ~55M NW Jorhat, India-- 34
- 319. 1945 -- Feb 09, USAAF B-24D Liberator crash into side of mountain near Denio, OR-- 11
- 320. 1945 -- Feb 12, USAAF B-24D stalls, pilot loses control, crash, 15M SW of Troy, OR-- 10
- 321. 1945 -- Feb 13, USN transport crash, wing hits water, early AM takeoff, off Alameda, CA--24
- 322. 1945 -- Feb 14, USAAF B-24 approach crash in adverse weather, 12M NE Gander AP, Nfld.- 10
- 323. 1945 -- Feb 23, American Air 9 flying too-low VFR, crash, Glade Mt. ~Rural Retreat VA--17

- 324. 1945 -- Mar 03, USAAF C-47 transport too-low landing turn crash, Ledo Airfield, India--27
- 325. 1945 -- Mar 03, USAAF C-47 Prestwick-Orly AP approach crash, NW of Paris, France--all 16
- 326. 1945 -- Mar 03, USAAF B-17 too-low plane crash in heavy rain, near Winnfield, LA-- 11
- 327. 1945 -- Mar 05, bomber/fighter collide, Kissimmee FL; C-60A crash into hangar, Dayton OH--16
 --8 USAAF bomber/fighter takeoff/landing runway collision Kissimmee AAF, FL
 --8 Pilot loses control of C-60A Lodestar on takeoff, crashes into hangar; explodes
- 328. 1945 -- Mar 06, USAAF B-24D, AP approach crash, 1M ~Mountain Home AAF, ID--all 10
- 329. 1945 -- Mar 10, USAAF C-46 med. evac. flight mt. crash ~Tanauan Airfield, Leyte, Philippines-- 37
- 330. 1945 -- Mar 10, USAAF B-24, Atlantic near Montauk Point, Long Island, NY -- 12
- 331. 1945 -- Mar 10, USN PB4Y-1 lost, training flight NAS Jacksonville FL to Bahamas-- 14
- 332. 1945 -- Mar 10, USAAF B-29 engine failure/emerg. crash, Alexandria AAF, LA-- 10
- 333. 1945 -- Mar 14, USAAF C-47 loses propeller paratroop practice, hits 6, crashes ~Prosnes France--10

- 334. 1945 -- Apr 01, USAAF B-29 engine fire and crash, 6 miles NE of Alamogordo, NM-- 12
- 335. 1945 -- Apr 08, USAAF TB-17F flies into mountain at night near Tellico Plains, TN-- 10
- 336. 1945 -- Apr 11, two USAAF TB-17Fs AP approach collision near Jackson AAB, MS-- 14
- 337. 1945 -- Apr 11, Charleston SC-based USAAF B-24J crash at sea off Charleston, SC-- 11
- 338. 1945 -- Apr 14, PA-Central Air #142 off course/too-low crash, Cheat Mt. ~Morgantown, WV-- 20
- 339. 1945 -- Apr 16, USAAF B-29 ferry flight too-low approach hits water, Pango Bay, Guam-- 12
- 340. 1945 -- Apr 16, USAAF Beech AT-11s collide, bombing training near Big Spring, TX-- 10
- 341. 1945 -- Apr 17, US Navy PB4Y-1 patrol plane crash, training ex. off Mayport, FL -- 12

- 342. 1945 -- Apr 19, USN R4D-5 crash in fog after takeoff, Gooseberry Hill, Australia --all 13
- 343. 1945 -- Apr 20, USAAF C-47 breakup and crash, thunderstorm, near Sweetwater, TX-- 25
- 344. 1945 -- Apr 23, USAAF B-17 taking on-leave troops to Ireland, crash ~Ramsey, Isle of Man--31
- 345. 1945 -- Apr 24, USAAF B-29A engine fire/crash, Gulf of Mex. ~off 100M SW Key West, FL--11
- 346. 1945 -- Apr 27, USAAF C-46 plane crash, Palo Duro Canyon, south of Claude, TX --all 11

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 1945 -- May 03, USN blimp engine fire leads to cover fire and crash, Santa Ana, CA-- 8
- 347. 1945 -- May 04, four USN/USAAF aircraft crash, three in CA, one ~Caylor, VA -- 25
 - 4 USN Beechcraft AT-11 hits Cumberland Mt. flying low, heavy fog ~Caylor, VA
 - 7 USN PBV-5A Catalina hits hillside in initial climb ~Ft. Baker SF Bay area, CA
 - 6 USAAF B-26 engine cutting out after takeoff, crash Hwy-41, Pinedale, CA
 - 8 USAAF B-24J March Field takeoff crash about 8M NW near Edgemont, CA
- 348. 1945 -- May 05, USAAF C-54 crash into bluff upon takeoff, Manus Island, New Guinea--21
- 349. 1945 -- May 05, USAAF B-17 crash, night, Charco Azul mts./hills SE of Cienfuegos, Cuba--14
- 350. 1945 -- May 6, USAAF C-46 carrying litter patients, hits radar towers, Gibbets Hill, UK-- 31
 - 30 on C-46 44-77839 (all), Gibbets Hill, Hindhead, Surry, England
 - 1 Canadian soldier manning the radar tower station
- 351. 1945 -- May 06, two USAAF B-17s collide, near Esler Airfield, Alexandria, LA -- 18
 - 9 Boeing B-17F #42-5355
 - 9 Boeing B-17G #42-31948
- 352. 1945 -- May 10, USAAF B-17 hits B-17 turbulence/collision/crash, Braintree England-- 11
- 353. 1945 -- May 11, USAAF B-29 engine failure, crash Indg., MacDill AAF, Tampa, FL--9-11
- 354. 1945 -- May 12, USAAF B-24 flies into cloud-covered tree-tops ~Anderson Cliff, CA--all 11
- 355. 1945 -- May 13, USAAF "Shangra-La" Sightseeing Plane Crash, Mt., New Guinea -- 21
- 356. 1945 -- May 23, US Navy PB4Y-1 Liberator engine failure, crash at sea off Iwo Jima-- 12
- 357. 1945 -- May 23, USAAF C-46 ambulance flight, engine fire/crash, Taillefontaine, France--44
- 358. 1945 -- May 27, USAAF XP-55 Ascender crash debris hits car, air show, Wright Field, Dayton OH--5
- 359. 1945 -- May 30, USAAF C-47B crash (18 WACs, 3 crew) off Sassandra, Ivory Coast-- 21

- 360. 1945 -- June 04, USAAF B-24L Liberator crash, Caribbean Sea off Jamaica --all 10
- 361. 1945 -- June 06, USAAF B-29 ferry to US crash after takeoff from Kwajalein Atoll -- 10
- 362. 1945 -- June 11, USAAF B-29 structural failure in thunderstorm, crash ~Rush Springs, OK--10
- 363. 1945 -- June 13, USAAF B-24 flight to US crashes, Sidhean Mor ~Gairloch, Scotland-- 15
- 364. 1945 -- June 14, USAAF C-46D crash (apparent lightning strike), 6M SE Oakridge, MS-- 17
- 365. 1945 -- June 16, USAAF C-47 flight to AUS crash on mt. ~Moikisung, Papua New Guinea--12
- 366. 1945 -- June 17, USAAF B-24, Wales to Azores crash at sea 60M off Finisterre, Spain-- 10
- 367. 1945 -- June 21, USAAF Catalina test flight lost 110M S off Los Negros, Admiralty Isls.--11
- 368. 1945 -- June 23, USAAF C-47 crash 17.5M SSE of Ledo Airfield, India, in Burma --all 25
 - 1945 -- June 29, USAAF TB-24 engine power loss after takeoff/crash, 6M SE Chandler AZ--7
- 369. 1945 -- June 30, USAAF B-29 night navigation crash into mt., 8M ~Guadalupe Peak, TX--12
- 370. 1945 -- June 30, USAAF TB-24J emergency landing crash, Las Vegas Field, NV -- 11

- 371. 1945 -- July 01, USAAF B-29 explosion and crash in thunderstorm, 6M S of Benton, KY--9
- 372. 1945 -- July 04, USAAF B-25 missing, mt. terrain, Chengjiang, China to Dinjan, India-- 15

- 373. 1945 -- July 05, USAAF B-17 bound for US, engine fire/ditches 150M NW Lajes Fld., Azores--15
- 374. 1945 -- July 8, USAAF B-29 encounters thunderstorm/loses tail/crashes 20M ~Pueblo AAB, CO--13
- 375. 1945 -- July 10, USN PBM-3C plane missing, last contact off Providence Isl. Bahamas-- 12
- 376. 1945 -- July 13, USAAF B-24 enters severe turbulence, crash, Southport, ~Panama City, FL--13
- 377. 1945 -- July 14, USAAF B-29 crash after takeoff, sandstorm? ~Kirtland Fld., Albuquerque NM-13
- 378. 1945 -- July 14, USAAF TB-25C engine-related crash, 1 mile NW of Weldon, TX -- 11
- 379. 1945 -- July 17, USAAF B17 night AP approach crash, heavy rain ~Smoky Hill AAB, Salina KS--10
- 380. 1945 -- July 18, USN PB4Y-2 Privateer missing, training flight out of NAS Miami, FL--15-17
- 381. 1945 -- July 22, USAAF B-24M engine problem, crash, James River ~Newport News, VA--11
- 382. 1945 -- July 23, USAAF B-24 engine fire/separation, crash, Tarskavaig, Isle of Skye Scotland--14
- 383. 1945 -- July 25, thunderstorm, USAAF TC-47B wing fails/crash 13M NE of Tampa, FL-- 13
- 384. 1945 -- July 28, USAAF B-25 bomber flies into Empire State Building in Fog,⁷⁰ NY-- 14
- 385. 1945 -- July 30, USAAF B-24 crash in forest near Schofield Barracks, Oahu, HI --all 12

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 386. 1945 -- Aug 1, USAAF B-17 bound for US, engine failure/ditches, Tyrrhenian Sea off W. Italy--13
- 387. 1945 -- Aug 7, USAAF C-47 crash, Lalmanirhat India; USN PV-2 crash, Hunting Isl. SC-- 16
 - 9 USAAF C-47A crash 15M SSW of Lalmonirhat, India (Bangladesh today).
 - 7 USN PV-2 Harpoon crash, lost control in storm, off Hunting Island SC.
- 388. 1945 -- Aug 9, USAAF B-24 loses No. 1 engine power, crash ~Buckingham Field, Ft. Myers, FL-- 11
- 389. 1945 -- Aug 17, two USAAF B-29s collide at night, 3M west of Weatherford, TX -- 18
 - 9 USAAF Boeing B-29 Superfortress, 42-93895
 - 9 USAAF Boeing B-29 Superfortress, 44-86276
- 390. 1945 -- Aug 22, USN PB4Y-2 loss of control crash into Pacific off San Diego, CA -- 10
- 391. 1945 -- Aug 25, off-course USAAF B-24J flies into mountain, SE of Tollgate, OR -- 15
- 392. 1945 -- Aug 27, USAAF B-29 2nd landing approach, crash, Mt. Tapochau, Saipan --all 10
- 393. 1945 -- Aug 28, USAAF B-29 crash during violent storm, Toga, Akita, Honshu, Japan-- 10
- 394. 1945 -- Aug 28, USAAF B-32 takeoff power loss, crash, runway-end pit, Yontan, Okinawa--13
- 395. 1945 -- Aug 30, USAAF B-29 with POW supplies crashes, Mt. Oyajiyama, Japan --all 12

- 396. 1945 -- Sep 01, USAAF B-24J takeoff crash, near Hondo Army Air Field, TX --11-12
- 397. 1945 -- Sep 06, USAAF C-47, intra-Philippine flight reportedly explodes ~San Jancinico Strait--30
- 398. 1945 -- Sep 07, Eastern Air Flight 42 on-board fire leads to crash ~Florence, SC --all 22
- 399. 1945 -- Sep 07, USAAF B-29 fire and crash, 4½ miles south of Wedowee, AL -- 10
- 400. 1945 -- Sep 10, USAAF B-24 Liberator with freed POWs crashes, Taitung, Taiwan --16US of 25
- 401. 1945 -- Sep 12, USN PB4Y-2 Privateer take-off engine fire/crash ~Master Field, Miami, FL-- 14
- 402. 1945 -- Sep 15, USAAF C-47B takeoff crash (from Fairfax Field, Kansas City, KS), MO-- 23
- 403. 1945 -- Sep 28, USAAF C-46 crash 20 miles southeast of Chihkiang, China -- 20

- 404. 1945 -- Oct 16, USAAF C-47 engine fire, crash 60 mls NW of Saipan, Mariana Islands--12
- 405. 1945 -- Oct 18, USAAF TB-24J engine fire just after takeoff, crash ~Hondo AAF, TX-- 13
- 406. 1945 -- Oct 21, USAAF C-47 landing crash in wind gust 2M east of Anchorage, AK-- 19
- 407. 1945 -- Oct 30, USAAF C-47A plane crash into mountain near Cuneo, Italy --all 15
- 408. 1945 -- Oct 31, US Navy R4D-7 transport crash in heavy fog, Rich Mountain, AR -- 14

⁷⁰ Cross listed in Fog as contributing condition.

409. 1945 -- Nov 01, too-low USAAF C-47 hits mountain near Bad Herrenalb, Germany -- 26
 410. 1945 -- Nov 02, USAAF B-29 Superfortress crash, North Field, Guam -- 10
 411. 1945 -- Nov 03, Consolidated Air, Army Transport Com., sea crash, 450 mi NE of HI-- 18
 412. 1945 -- Nov 3, USAAF C-54 wrong route crash, Himalayan Mts. ~Chukha, Bhutan, India-- 44
 413. 1945 -- Nov 08, two US Navy PBM Mariners collide mid-air, Corpus Christi Bay TX-- 22
 414. 1945 -- Nov 09, USAAF C-47 AP approach crash at night, poor weather, Palermo, Italy-- 24
 415. 1945 -- Nov 11, USAAF B-17G, Marseille to Athens, icing crash, Mount Meta, Italy-- 20
 416. 1945 -- Nov 13, ANA C-49 with USAAC passengers, crashes off Tacloban AP Philippines--16
 417. 1945 -- Nov 28, USAAF C-47 crash ~Auburn CA/9; USN PBY crash, Palmyra Atoll AP/1--10
 418. 1945 -- Nov 30, USN PV4Y-2 plane missing, NAS Kodiak, AK to NAS Seattle, WA-- 25
 419. 1945 -- Dec 03, USAAF C-47B crash 10 miles SE of Carlos Pellegrini, Argentina --all 14
 420. 1945 -- Dec 04, USAAF C-47 missing, Monrovia Liberia for Johannesburg, Africa coast--17
 421. 1945 -- Dec 05, 5 USN Avengers and USN Mariner search plane lost off east FL coast-- 27
 --14 Flight 19; 5 USN torpedo bombers lost ~100M ENE, Banana River NAS, FL
 --13 USN PBM-5 Mariner search plane lost ~25M SW off Cape Canaveral, FL
 422. 1945 -- Dec 08, Northwest Air, C-47 USAAF charter, AP approach crash, Billings, MT--19

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

423. 1946 -- Jan 12, USN PB4Y-2 hits Homonhon Isl. ridge in adverse weather, Philippines-- 10
 424. 1946 -- Jan 13, USAAF C-46 initial climb crash into sea, off Majuro, Marshall Islands-- 12
 425. 1946 -- Jan 18, Eastern Air Flight #105 engine fire/wing collapse/crash, Cheshire, CT-- 17
 426. 1946 -- Jan 29, USAAF C-46, occupants bail out, unable to find Shanghai AP, China --all 12
 427. 1946 -- Jan 31, United Air Lines #14 deviates from course, flies into Elk Mt., WY --all 21
 428. 1946 -- Feb 05, USAAF C-47 crash, Negros Island mountainous terrain, Philippines --20-24
 429. 1946 -- Mar 03, American Air 6-103 descent crash in zero visibility, Thing Mt., CA -- 25
 430. 1946 -- Mar 7, Kirtland AAB USAAF B-29 disintegrates, Los Lunas bombing range, NM--10
 431. 1946 -- Mar 19, USAAF B-17 crash in adverse weather, northern Formosa (Taiwan) --all 10
 432. 1946 -- Mar 19, USAAF C-47 structural failure/crash, near Hobart Mills, CA --all 26
 433. 1946 -- Mar 23, USAAF C-47 flies into Mount Banahao/Banahaw, Leyte, Philippines-- 19
 434. 1946 -- Apr 4, USN R4D-6 transport hits mountain at night ~15M SE Albuquerque, NM--11
 435. 1946 -- Apr 08, USAAF C-47 Yan'an approach crash, Mt. Hei Cho, ~Shensi, China --all 17
 436. 1946 -- May 10, two US Navy bombers collide mid-air, near Munson, FL -- 28
 437. 1946 -- May 16, Viking Air Transport engine problems/pilot error crash, Richmond VA-- 27
 438. 1946 -- May 17, USAAF C-47 with POW remains hits hillside, Tripura district, India--all 11
 439. 1946 -- May 27, USAAF B-17G lost, Kwajalein to Guam, searching for missing C-54-- 10
 440. 1946 -- June 01, USAAF C-54 cockpit fire, loss-of-control, crash off Amalfi, Italy -- 30
 441. 1946 -- June 12, USAAF B29 crash & fire, Collins Gap, near Clingman's Dome, TN-- 12
 442. 1946 -- June 9, USAAF C-54 hits terrain 500ft below approach altitude, Taboga Isl., Panama-- 23
 443. 1946 -- July 09, USAAF B-17 hits Mount Tom, too-low approach, Westover AFB ~Holyoke, MA-25
 444. 1946 -- July 18, USAAF C-47 transport crash, in severe thunderstorm ~Goodland, KS-- 13
 445. 1946 -- July 20, two USAAF B-17G search planes collide off Coiba, Panama -- 20
 446. 1946 -- July 30, USN PB4Y-2 crash searching for missing US planes, Mindoro Isl., Philippines--10
 447. 1946 -- Aug 01, USN PB4Y-2 Privateer crash after takeoff from Camp Kearny MCAS, CA--all 12
 1946 -- Aug 9, USAAF A-26 Invaders collide, ground casualties, No. Montana State Fair, Great Falls-- 7

- 1946 -- Sep 5, Trans-Luxury Airlines charter hits ridge on AP approach in fog/burns ~Elko, NV--21
448. 1946 -- Sep 16, 3 US mil. plane crashes, Aleutian Isl., AK, Granite Falls, WA, Twin Falls, ID--13
 --1 USAAF P-381 Lightning 44-26912. Fuselage cracks/plane came apart. AK
 --4 USAAF A-27 Invader, pilot loses control in air show maneuver, crashes. ID
 --8 USN PBV-61 Catalina hits trees/crashes near Granite Falls, WA
449. 1946 -- Oct 01, USAAF B-29 Superfortress crash in storm/burns, Buffalo Valley, NV--all 11
450. 1946 -- Oct 03, American Overseas Air takeoff crash, Harmon Field AFB, Newfoundland-- 39
451. 1946 -- Oct 11, planes crash; Franconia VA, NAS Kaneohe HI, ~Tulelake CA, Rio de Janeiro-13
 --5 USAAF B-25 crash in fog, Franconia, 6M west of Alexandria, VA
 --2 USN patrol bomber crashed after takeoff near NAS Kaneohe, Oahu, HI
 --1 private plane, pilot lost control flying low and crashed, near Tulelake, CA
 --5 USAAF C-45 hits mt. peak in simulated bombing run, Rio de Janeiro, Brazil
452. 1946 -- Oct 17, National Air Transport Service landing crash in adverse weather, Laramie, WY--13
453. 1946 -- Nov 13, Western Air 23 crash (descended too soon in snow storm), White Mt., Lebec, CA--11
454. 1946 -- Nov 16, US Army Air Force DC-47 crashes into Pacific 15M off Iwo Jima --all 23
455. 1946 -- Dec 10, USAAF C-46 takeoff crash near Itami US Air Base, Osaka, Japan--all 23-24
456. 1946 -- Dec 10, USMC R5C-1 transport flies into So. Tahoma Glacier, Mt. Rainier, WA--32
457. 1946 -- Dec 24, Western Air 44 hits Cuyapaipe Mt., too-low approach to San Diego, CA-- 12
458. 1946 -- Dec 28, TWA 6963 final approach crash at night, altimeter error, Shannon AP, IRL--12
 --10 passengers and crew with US addresses and 2 with French

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

459. 1947 -- Jan 12, Eastern Air Flight 665 too-low/off-course crash, 10M NE Galax, VA-- 18
460. 1947 -- Jan 27, USAAF B-29 takeoff crash (engine trouble), Kirtland Field, NM -- 12
461. 1947 -- Feb 04, USN R-4D-5S (DC-3), crashed during storm, off Chincoteague Isl., VA--10
462. 1947 -- Feb 22, U.S. Coast Guard PBM-5 crashes in Mex. on way back to San Diego-- 10
463. 1947 -- Feb 24, USAF B-29 weather reconnaissance plane lost, Bering Sea or W. AK-- 12
464. 1947 -- Apr 19, USAF B-29 takeoff engine fire/explosion/crash, off Kwajalein Island-- 16
465. 1947 -- May 29, USAAF C-54 approach crash near Atsugi Air Base, Japan --all 41
466. 1947 -- May 29, United Air Lines 521 crashes/burns on take-off, La Guardia, NY -- 43
467. 1947 -- May 30, Eastern Air Lines Flight 605 plane crash, near Bainbridge, MD -- 53
468. 1947 -- June 13, Pennsylvania-Central Air #410 too-low crash ~Lookout Rock, WV-- 50
469. 1947 -- June 14, off-course USAAF B-29 hits top of Hawks Mountain at night, VT --all 12
470. 1947 -- July 13, Burke Air Transport flies into ground (pilots asleep?), 4M SW Melbourne, FL--14
 1947 -- July 29, USAAF B-29 Superfortress takeoff crash, Eglin AAF, Valparaiso, FL-- 9
471. 1947 -- Aug 06, US Navy PBV-5A plane disappears, Kodiak to Dutch Harbor, AK -- 20
472. 1947 -- Aug 16, USAF B17 runs out of fuel/ditches 50M off Barbers Point, Kalaeloa, HI-- 10
 1947 -- Sep 15, USAF B-17 explodes/crashes, Bush Riv. at Chesapeake Bay ~Aberdeen MD--9
473. 1947 -- Sep 19, USAF C-54 in-flight fire/crash 3.1M SW off Puerto San Juan, Peru -- 14
474. 1947 -- Oct 24, United 608 fire and emer. lndg. attempt crash ~Bryce Canyon AP, UT-- 52
475. 1947 -- Oct 26, Pan American Air plane crash, Tamgas Mt., Annette Island, AK -- 18
476. 1947 -- Nov 27, Columbia Air Cargo C-47 too-low AP approach crash, Yakutat, AK-- 13
477. 1947 -- Nov 28, off course USAF C-47 flies into Mt. Carbone, Alps near Cuneo, Italy-- 20
478. 1947 -- Dec 10, USAF C-54 crash after takeoff & emer. lndg. request ~Goose Bay, Labrador, Can.--23
479. 1947 -- Dec 11, USAF C-47 plane crash, Near Memphis, TN -- 20

480. 1947 -- Dec 16, USAF B-29 crash after Davis-Monthan Field takeoff near Tucson, AZ-- 12
 1947 -- Dec 31, USAF B-29 weather recon. plane engine loss/crash after takeoff, ~Elmendorf AFB AK-- 9

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

481. 1948 -- Jan 07, Coastal Air Lines charter stalls/dives/crashes, 10M ENE Savannah, GA--18
 482. 1948 -- Jan 27, USAF C-47 crash (dependents), snowstorm, Cheval Blanc Mt., France-- 12
 483. 1948 -- Jan 28, Airline Transport Carriers crash (U.S. INS Charter) ~Coalinga, CA -- 32
 1948 -- Jan 30, USAF B-17 crash, Cheval Blanc Mountain, Southern France -- 9
 484. 1948 -- Mar 10, Delta Air Flight 705 takeoff crash, Chicago Municipal Airport, IL -- 12
 485. 1948 -- Mar 12, Northwest Airlines Flight 4422 (charter) crash, Mt. Sanford, AK -- 30
 486. 1948 -- Mar 18, USAF B-29 landing crash in dense fog, MacDill Field, Tampa, FL -- 10
 487. 1948 -- Apr 15, Pan Am 1-10 hits rock wall, Shannon AP approach, Ireland --19US of 30
 488. 1948 -- May 09, USN PB4Y-6A Catalina plane lost, San Juan, PR to Key West, FL --all 12
 489. 1948 -- June 17, United Air #624 CO₂ in cockpit/crash ~Mount Carmel ~Shamokin PA--43
 490. 1948 -- Aug 05, USN Douglas R4D-6 and civilian Stearman collide ~NAS Miami, FL-- 10
 --10 USN Douglas R4D-6 -- 0 civilian Stearman
 491. 1948 -- Aug 11, USN PB4Y-2 flies into cliff, Rota Island (northern Mariana Islands)-- 12
 492. 1948 -- Aug 12, USAF B-29 goes out of control on takeoff climb, crashes 6M S Roswell NM--13
 493. 1948 -- Aug 20, USAF B-29 engine fire, takeoff attempt, crash, Rapid City AFB ~Rapid City, SD--17
 1948 -- Aug 24, USAF C-47 collides with USAF B-25 (no losses), 5M N of Newton NJ-- 9
 494. 1948 -- Aug 24, USAF B-29 engine loss on takeoff, emer. lndg. crash Hickam AFB, HI-- 16
 495. 1948 -- Aug 29, Northwest 421 wing structural failure in thunderstorm/crash NW of Winona MN-37
 496. 1948 -- Nov 01, USAF C-47 plane breakup and crash, thunderstorm, ~Muldrow, OK-- 11
 497. 1948 -- Nov 03, USAF B-29 crash after takeoff near Lajes Field, Azores, Portugal -- 19
 498. 1948 -- Nov 03, USAF B-29 bomber crash, Shelf Moor, near Manchester, England -- 13
 499. 1948 -- Nov 03, US Navy PB4Y-2 plane crash, 10M off Port Moller, Kodiak AK --all 12
 500. 1948 -- Nov 04, Pacific Alaska Air Express lost near Cape Spencer, AK -- 17
 1948 -- Nov 04, USN P2V2 crash, snow-filled canyon, Vancouver Isl. BC, Can. (found 1961)-- 9
 501. 1948 -- Nov 07, USAF B-29 out of Kadena AB, Okinawa, crash at sea NW of Guam-- 11
 502. 1948 -- Dec 22, USAF B-50 crash (congealed oil in manifold?) near Fairbanks AK --all 10
 503. 1948 -- Dec 28, Airborne Transport charter crash (elec. sys.), San Juan PR-Miami, off FL-- 32

 504. 1949 -- Jan 02, Seattle Air Charter (Yale students) takeoff crash, Seattle-Boeing Field, WA--14
 505. 1949 -- Jan 17, USAF B-29 crash, Argyllshire mts. (icing?) ~Lochgoilhead, Scotland-- 20
 506. 1949 -- Jan 26, USAF B-29, Dakar, Senegal to Norfolk, UK, lost ~Canary Islands, Spain-- 15
 507. 1949 -- June 07, Strato-Freight Inc. loses engine after takeoff, crashes off San Juan, PR--53
 508. 1949 -- July 12, Standard Air 897 Hits Mt. in Fog, Approach to Burbank CA⁷¹ -- 35
 509. 1949 -- July 30, Navy Hellcat hits Eastern Airlines #557, both crash ~Chesterfield, NJ-- 16
 510. 1949 -- Aug 31, USN Martin Mariner PBM-5 takeoff crash off NAS San Diego, CA-- 10
 1949 -- Sep 05, P-51 Mustang plane crash, Cleveland Air Races, OH -- 3
 511. 1949 -- Sep 23, USAF B-29 takeoff crash (engine failure), Andersen AFB (US), Guam-- 11
 512. 1949 -- Sep 26, USAF B-29 explosive decompression/crash near Talihina, SE OK --all 13
 513. 1949 -- Sep 30, USAF B-17 crash into mesa, storm/poor visibility, 4M N of Raton, NM--10
 514. 1949 -- Oct 13, Lakenheath AB USAF B50 takeoff engine fire/crash ~Isleham Eng.--US/11 of 12

⁷¹ Cross-listed in Fog as contributing condition.

- 515. 1949 -- Nov 01, Eastern Air 537 & Lockheed P-38 collide, south of National AP, VA-- 55
- 516. 1949 -- Nov 03, USAF RB-29 engine issue after takeoff, crash off Kindley US AFB, Bermuda--11
- 517. 1949 -- Nov 16, two USAF B-29 Superfortresses collide over Stockton area, CA -- 18
 - 9 USAF Boeing B-29 Superfortress, 44-69939
 - 9 USAF Boeing B-29 Superfortress, 44-86364
- 518. 1949 -- Nov 29, American Airlines 157 landing crash and fire, Dallas-Love Field, TX-- 28
- 519. 1949 -- Dec 22, USAF B-50 fire after takeoff and crash, Argyle Isl. ~Savannah, GA --all 11

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 520. 1950 -- Jan 13, USAF G-15 glider dips/dives to ground too steeply, Lawson AFB, GA-- 13
- 521. 1950 -- Jan 26, USAF SAC C-54 transport disappears, Yukon Territory, Canada -- 44
- 522. 1950 -- Feb 15, USAF B-29 crash after takeoff, US Hwy.-117 3M SW of Great Falls, MT-- 8
- 523. 1950 -- Mar 7, Northwest 307 hits flagpole, Twin Cities AP landing, crashes, Minneapolis, MN--15
 - All 13 on Northwest 307.
 - 2 children in bed in house that plane crashed into – girl 10, brother, 8.
- 524. 1950 -- Mar 23, USAF B-50 in-flight engine fire/explosion/wing loss/crash NNW Hyder, AZ--12
- 525. 1950 -- Apr 08, USN PB4Y-2 bomber shot down by USSR, Baltic Sea off Latvia --all 10
- 526. 1950 -- Apr 11, USAF B-29 crash, Manzano Nuclear Wpn. Storage Area ~Kirtland AFB NM--13
- 527. 1950 -- Apr 21, off-course USAF C54 flies into Mt. Hirugatake at night ~Atsugi, Japan --all 35
- 528. 1950 -- May 18, USAF B-29 engine problem, emer. Indg. crash, Lajes Field, Azores--all 16
 - 1950 -- June 01, USN P2V-2 Neptune emergency Indg. crash, Quonset Point NAS, RI-- 9
- 529. 1950 -- June 5, Westair Transport C-46 engine loss, ditches, 300M E of Melbourne, FL--28
 - 1950 -- June 14, USAF B-25 crash, top of Spruce Mt. 5M NW of Circleville, WV -- all 9
- 530. 1950 -- June 23, NW Orient 2501 disappears, Lake MI, near Benton Harbor, MI -- 58
- 531. 1950 -- July 13, USAF B-50 plunges to earth/unknown cause, ~Mason, Lebanon, OH --all 16
- 532. 1950 -- July 23, USAF C46 with 31 TN NG, loses aileron on takeoff, crashes, Myrtle Beach, SC--all 39
- 533. 1950 -- July 27, USAF C-47 crash Pacific after takeoff 10M S of Oshima Island Japan-- 25
- 534. 1950 -- Aug 5, USAF B-29 with nuke component crash & explos. ~Fairchild-Suisun AFB, CA--19
 - 12 of the 20 B-29 flight crew
 - 7 on ground fire-fighting/rescue personnel
- 535. 1950 -- Aug 31, TWA 903 engine loss after takeoff, crash landing ~Cairo, Egypt--23US of 55
- 536. 1950 -- Sep 6, USAF C-54 explosion/crash after takeoff 4M NW Osaka-Itami Air Base, Japan-- 11
- 537. 1950 -- Sep 04, Robinson Air #32 takeoff engine failure/crash, Oneida Co. AP, Utica, NY--16
- 538. 1950 -- Sep 19, USN takeoff plane crash 1.6M off Kwajalein NAS, Marshall Islands-- 26
 - 1950 -- Sep 19, USN PB4Y-2 Privateer plane crash, Puget Sound, Saratoga Passage, WA-- 7
- 539. 1950 -- Sep 26, USAF C-54D takeoff crash 1 mile off Asiya Air Base, Kyushu, Japan-- 23
 - 1950 -- Oct 13, Northwest Air Martin 2-0-2 captain check flight crash, Almelund, MN--all 6
 - 1950 -- Oct 19, USAF B-29 Superfortress bomber plunges to ground near Seguin, TX-- 8
- 540. 1950 -- Nov 07, Northwest Air #115 deviates from course, hits mt. ridge ~Butte, MT--all 21
- 541. 1950 -- Nov 16, USAF KB29 tanker and B-50 collide/crash ~Sil Nakya village, AZ -- 13
- 542. 1950 -- Nov 21, New Tribe Mission DC-3 plane crash, Mount Moran, WY --all 21
- 543. 1950 -- Dec 19, USAF Douglas C-54G transport crash, Mt. Tabayoc, Luzon, Philippines--all 38
- 544. 1950 -- Dec 23, USN P2V Neptune crash, McCreight Mt., Vancouver Isl., BC, Can.-- 11

- 545. 1951 -- Jan 16, Northwest Orient Flight 115 plane crash, Near Reardan, WA -- 10

546. 1951 -- Mar 02, Mid-Continent Airlines approach crash, Sioux City, IA -- 16
547. 1951 -- Mar 22, USAF C-124A Globemaster lost after ditching, No. Atlantic, off Ireland--all 53
548. 1951 -- Apr 06, Southwest Airways Flight 7 crashes, Refugio Pass, CA -- 22
549. 1951 -- Apr 08, West VA National Guard Plane flies into ground ~Charleston, WV --all 21
550. 1951 -- Apr 25, Cubana Flight 493 & US Navy Beechcraft collide off Key West, FL--all 43
551. 1951 -- Apr 26 USAF B-29 Superfortress landing crash, Lajes AFB, Terceira, Azores, Portugal-- 11
552. 1951 -- Apr 27, USAF F-51 Mustang jet hits USAF B-36, NE of Perkins, OK -- 14
553. 1951 -- Apr 28, United Air Flight 129 downdraft plane crash, near Fort Wayne, IN --all 11
554. 1951 -- May 06, USAF B-36 landing crash, high wind, Kirtland AFB ~Albuquerque, NM--23
555. 1951 -- May 10, two USAF F-80s collide, one crashes killing 10 on ground, Fukuoka, Japan-- 11
- 1951 -- May 21, USAF C-124 Globemaster emergency landing crash ~New Lisbon IN-- 7
556. 1951 -- June 3, USAF C-82 Flying Boxcar hit by lightning/crashed, New Boston, TX--all 10
557. 1951 -- June 22, Pan American Flight 151 flies into hill ~Monrovia, Liberia --13 US of 40
558. 1951 -- June 30, United Flight 610 crashes into Crystal Mt, near Ft. Collins, CO -- 50
559. 1951 -- July 21, Canadian Pacific Air (US military charter), lost, Gulf of AK near Sitka--37
 --26 US servicemen -- 3 civilians attached to the US Army
 -- 6 Canadian crew -- 2 Royal Canadian Navy personnel
560. 1951 -- Aug 12, US Navy PB4Y-2 Privateer crash into mountain, Amak Island, AK-- 12
561. 1951 -- Aug 13, USAF B-50 plane crash into Lester Apartments, Beacon Hill, WA -- 11
562. 1951 -- Aug 20, USAF T-33A crash after takeoff, hits Army truck/burns, Fort Dix, NJ-- 13
563. 1951 -- Aug 24, United 615 too-low crash in fog on approach to Oakland AP, Decoto, CA--all 50
564. 1951 -- Aug 31, USN Consolidated PB4Y-2 Privateer crash, Little Tanaga Isl., AK --all 10
565. 1951 -- Sep 15, airshow stunt plane crash kills 19 spectators and pilot, Flagler, CO -- 20
566. 1951 -- Oct 15, USAF C-97A lost, North Atlantic, Azores to Westover AFB, MA -- 12
567. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
568. 1951 -- Nov 13, USAF C-82 Flying Boxcar crashes into Puy de Sancy Mt., France --all 36
569. 1951 -- Nov 18, USAF B29 takeoff crash: crew OK; 3US/7 local rescuers killed by explos., Yokota, Japan--10
570. 1951 -- Nov 27, USN Martin PBM-5 Mariner crash in ocean 7M off San Diego CA --all 11
571. 1951 -- Dec 16, Miami Airlines engine fire on takeoff, crash, Elizabeth City, NJ --all 56
572. 1951 -- Dec 29, Continental Charters Flight 44-2 flies into terrain near Salamanca, NY-- 26
573. 1951 -- Dec 30, USAF C-47 transport flies into mountain near Roosevelt, AZ --all 28

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

574. 1952 -- Jan 14, USN P4Y-2 crash after 2 engines fail 6M SW of Yokohama, Japan --all 12
575. 1952 -- Jan 19, NW Orient 324 (US mil. charter), crash, Korea-WA, off Sandspit, BC-- 36
576. 1952 -- Jan 22, American Airlines Flight 6780 airport approach crash, Elizabeth, NJ-- 30
 --All 23 occupants of American 6780
 -- 7 occupants of buildings on the ground
577. 1952 -- Feb 1 USAF B29 hits 2nd B29/no deaths 2nd plane, 5M off Bolo Point Okinawa --all 12
578. 1952 -- Feb 07, USAF B-29A takeoff crash, 5 miles NW of Yokota US AB, Japan -- 18
 --13 Complement of the Boeing B-20A Superfortress (all).
 -- 5 Civilians on the ground.
579. 1952 -- Feb 11, National Air 101 takeoff engine loss/return attempt/crash, Elizabeth, NJ--33
580. 1952 -- Feb 22, USAF F84 trng. flight hits power lines/crashes, Tsu Bu vlg., S Kor./14 dead-- 15
581. 1952 -- Mar 12, two USAF B-29's flying blind collide ~Sequin and San Antonio, TX-- 15

--8 USAF TB-29 Superfortress 44-62223

--7 USAF TB-29 Superfortress 55-87774

582. 1952 -- Mar 21, USN PB4Y-2 crash after takeoff, off Corpus Christi NAS, TX --all 10
583. 1952 -- Mar 26, two USAF planes crash, Davis-Monthan AFB/8, AZ; Albuquerque, NM/4-- 12
584. 1952 -- Apr 1-10, "Exercise Longhorn," military plane crashes & parachuting deaths, TX-- 10
585. 1952 -- Apr 04, USAF Globemaster & C-47 planes collide, Mobile, AL -- 15
586. 1952 -- Apr 5, USAF B-29 weather plane airport approach crash, McClellan AFB, CA--all 10
587. 1952 -- Apr 08, USAF B-25 flies into Golden Peak, near Golden, CO --all 11
588. 1952 -- Apr 09, USAF F-94 fighter & C-47 transport collide in clouds ~Otis AFB, MA--all 12
589. 1952 -- Apr 11, Pan Am Air 526, takeoff engine failure, crash, off San Juan, Puerto Rico--52
1952 -- Apr 14, USN P2V Ventura patrol bomber crash, Brunswick NAS, ME -- 5
590. 1952 -- Apr 15, USAF B-36 takeoff crash and fire, near Fairchild AFB, Spokane, WA-- 15
591. 1952 -- Apr 18, Robin Airlines C-46 charter crash, LAX approach near Whittier, CA--all 29
592. 1952 -- Apr 29, Pan Am 202 structural failure in-flight & crash, central Brazil --19US of 50
1952 -- May 13, USMC Corsair collides with USAF B-29, 30M W of Oceanside, CA--12 or 8
--7 USAF B-29 Superfortress crew (five survived). --1 USMC Corsair pilot.
593. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan--12
594. 1952 -- June 24, NM-based USAF B-50 Superfortress crash near Lakenheath, UK -- 11
595. 1952 -- Aug 7, USN plane crash, mts., returning to base, one engine/bad weather, so. of Bataan, Philippines-12
596. 1952 -- Aug 8, USN PBM Mariner seaplane crash, hilltop ~Nagahama, Ehime, Japan--all 13
597. 1952 -- Oct 08, USAF B29 and F94 collide midair (all 11 on B29 killed) ~Portland, OR--11
598. 1952 -- Oct 26, USAF WB-29 lost, Typhoon, Anderson AFB, Guam to Philippines -- 10
599. 1952 -- Nov 6, USAF B-50 crash in gale High Wood 2M W of Great Dunmow, England--11
600. 1952 -- Nov 7, USAF C-119C Flying Boxcar crash (navigational error) ~Mt. McKinley, AK--19
601. 1952 -- Nov 12, US Navy P4Y-2 Privateer plane crash, 10M W of Shelton, WA --all 11
602. 1952 -- Nov 14, USAF C-119C Flying Boxcar flies into mt. (overcast), 20M E of Seoul, Kor.--all 44
603. 1952 -- Nov 15, USAF C-119 Flying Boxcar disappears, Anchorage to Kodiak, AK --all 20
1952 -- Nov 17, USAF C-119 Flying Boxcar engine loss/crash, field near Billings, MT-- 8
604. 1952 -- Nov 22, USAF MATS C-124 A Globemaster II crash, Mount Gannett, AK -- 52
605. 1952 -- Nov 28, USAF Douglas C-54 aborted approach crash ~McChord AFB/Tacoma, WA--37
606. 1952 -- Dec 1, USAF C47B flies into Mt. San Gorgonio, snowstorm, ~Banning, CA--all 13
607. 1952 -- Dec 20, USAF Globemaster takeoff crash, Moses Lake near Larson AFB, WA-- 87

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

608. 1953 -- Jan 7, Associated Air Transport (mil. charter) crash/turbulence, W of Fish Haven, ID--all 40
609. 1953 -- Jan 13, USAF B-50D Superfortress spins down out-of-control ~Gridley, CA --all 12
610. 1953 -- Jan 16, USAF C54 approach crash, Harmon AFB, Stephenville NFLD, Can. --13-14
611. 1953 -- Jan 28, USN PB4Y, in poor weather & visibility, flies into Black Peak, WA --all 10
612. 1953 -- Feb 01, USN P2 Neptune flies into mt., marginal weather, Okinawa, Japan --all 11
613. 1953 -- Feb 02, USAF B-29 Superfortress takeoff crash, Wheelus Field, Tripoli, Libya-- 15
614. 1953 -- Feb 14, National Air 470 structural failure, extreme turbulence, Gulf of MX off Mobile, AL-46
615. 1953 -- Mar 18, 10-eng. USAF Convair RB-36H flies into hilltop, Random Isl., Nfld., Can.--all 23
616. 1953 -- Mar 18, USAF B-29 crash searching for USAF plane, St. George's Bay, NFL, Can--10
617. 1953 -- Mar 20, Transocean Air 942 (military charter) approach crash, NE of Alvarado, CA --all 35
618. 1953 -- Mar 22, USN PBM out of Naval Operating Base Trinidad missing N of Dom. Rep.--11

- 1953 -- Apr 20, Western Air Lines 636, San Francisco to Oakland, flies into SF Bay, CA--8
619. 1953 -- Apr 29, US Air Force B-29 in-flight fire and crash, near San Antonio, TX -- 10
620. 1953 -- May 17, Delta Airlines 318 flies into severe turbulence, crashes ~Marshall TX-- 19
621. 1953 -- June 18, USAF Globemaster II crash, Tachikawa AFB, Tokyo, Japan -- 129
622. 1953 -- July 02, USN PBM-552 Mariner engine failure / crash, 25M off Adak, AK --all 12
623. 1953 -- July 10, USAF B29 airport approach crash, 7M ~Hunter AFB, Savannah GA--all 10
624. 1953 -- July 10, USAF C47 & Norwegian AF jet collide ~Stavanger-Sola AP, Norway-- 10
625. 1953 -- July 12, Transocean Air Flight 512 crash, Pacific Ocean, Wake Island to HI -- 58
626. 1953 -- July 17, USN R4Q plane (with NROTC) takeoff crash/fire, near Milton, FL -- 44
627. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan⁷² -- 16
628. 1953 -- July 30, USN PBM Mariner engine fire/ditched 60M W of Badoc Philippines-- 10
629. 1953 -- Aug 5, USAF Peacemaker engine fires/ditched, Atlantic ~420M NW Prestwick Scotland--19
630. 1953 -- Sep 01, Regina Cargo Airlines (military contract) flies into mt. ridge ~Vail, WA--21
631. 1953 -- Sep 16, American Air 723, AP approach, hits towers in fog, Albany NY --all 28
- 1953 -- Sep 18, USAF WB29 weather recon plane lost out of Kindley AFB, Bermuda--7
632. 1953 -- Sep 28, Resort Airlines 1081 airport landing crash, near Louisville, KY -- 25
633. 1953 -- Oct 29, British Commonwealth Pacific Air 304 S.F. approach crash in fog ~Half Moon Bay, CA--19
634. 1953 -- Nov 10 USN PBM plane crash, sea ~Che Ju Isl. 40M SW of Jindo, So Korea --14-15
635. 1953 -- Nov 17, USAF C-119F loses engine, hits paratroopers, crashes, Fort Bragg NC-- 15
- 1953 -- Dec 11, USAF Consolidated B-36 flies into Mount Franklin near El Paso, TX--all 9
636. 1953 -- Dec 17, USAF B-29 crashes, Officer's Housing, Anderson AFB, Guam -- 19

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

637. 1954 -- Jan 04, USN P2V Neptune engine trouble and crash, Yellow Sea, off S. Korea-- 10
638. 1954 -- Jan 10, Union Producing Co. duck hunting plane icing crash, no. shore Wallace Lake LA--12
639. 1954 -- Feb 01, USAF C46 fire and crash, Tsugaru Strait, off Hokkaido, Japan -- 35
640. 1954 -- Feb 05, USAF C-47 explodes in-flight, Susitna Valley, 20M from Curry, AK-- 10
- 1954 -- Feb 26, Western Air Lines flight 34 turbulent weather crash near Wright, WY--all 9
641. 1954 -- Mar 04, USAF C47 flies into mountain in snowstorm ~St.-Étienne-de-Tinée France-- 20
642. 1954 -- Mar 19, USAF C-119 plane fire and crash, #51-7993, near Lothian, MD -- 18
643. 1954 -- May 05, off-course USN PBM-5 seaplane crash, Sidewalk Mt. ~Carricitos, MX--10
644. 1954 -- May 07, USN P2V5 Neptune takeoff crash off Clifton Pier, Nassau, Bahamas --all 10
645. 1954 -- May 31, USAF C47/MN ANG AP approach crash, gravel pit/heavy fog, Duluth IAP, MN--11
646. 1954 -- June 09, USN PBM Mariner crash, Yakushima Island mt. peak, SW Japan --all 17
647. 1954 -- June 27, USAF KC-97G Stratotanker flies into Box Springs Mountain, CA --all 14
648. 1954 -- Aug 22, Braniff Airways flight 152 crash in thunderstorm, S. of Mason City, IA--12
649. 1954 -- Aug 23, NY-Amsterdam KLM crash, North Sea after Shannon AP stop--12 US of 21
650. 1954 -- Aug 27, USAF RB-36 landing approach crash 2M ~Ellsworth AFB, Rapid City, SD-- 26
651. 1954 -- Sep 04, Soviet Migs shoot down USN P2V Neptune off Hokkaido, Sea of Japan-- 10
652. 1954 -- Sep 5, KLM Royal Dutch Airlines takeoff crash, Shannon Airport, Ireland --12US of 28
653. 1954 -- Sep 28, USN PB-5 Marlin takeoff crash, Sangley Point NAS, Philippines -- 11
654. 1954 -- Oct 06, USAF RB-50G plane crash and fire, near Willows, Glenn County, CA-- 13
655. 1954 -- Oct 24, USAF C47A transport, Rome to Lyon, flies into Maritime Alps, Italy-- 21
656. 1954 -- Oct 30/31, USN Lockheed R7V transport plane disappears off Ocean City, MD--42

⁷² Cross-listed in Violence (Attack).

657. 1954 -- Dec 18, Italian Airlines 451 airport approach (4th) crash, Idlewild IAP, NY -- 26
 658. 1954 -- Dec 22, Johnson Flying Svc. (mil. charter) out of fuel/ditches/Monongahela Riv. ~Pittsburgh--10
 1954 -- Dec 29, USAF C119 rear-door fails/plane crash, Shin Point near New Hope, AL-- 9

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

659. 1955 -- Jan 12, TWA #694 & Castleton, Inc. DC-3 planes collide, Covington, KY --all 15
 660. 1955 -- Jan 17, USN C121 Super Constellation 2 engines out, crash off Stephenville NL Can--13
 661. 1955 -- Feb 17, USN P-2 Neptune hits Mt. Susitna on Elmendorf AFB approach, AK--all 11
 662. 1955 -- Feb 19, off course TWA # 260 flies into Sandia Mt., ~Albuquerque, NM --all 16
 1955 -- Feb 23, USAF KC-97 tanker engine fire after takeoff, crashes near Windsor, MO--9
 663. 1955 -- Mar 06, USAF C-54 flies into mountain side and burns, ~Taitung, Taiwan --all 14
 664. 1955 -- Mar 20, American Airlines #711 crash on airport approach, Springfield, MO-- 13
 665. 1955 -- Mar 22, USN R6D-1 flies into Waianae Range ~Lualualei Navy Depot, HI --all 66
 666. 1955 -- Apr 28, USAF B29 Superfortress flies into cloud-shrouded hill ~Naha AFB Okinawa-- 10
 667. 1955 -- May 25, USAF B-36J breaks-up in severe thunder storm ~Sterling City, TX --all 15
 668. 1955 -- June 10, USAF B29 Superfortress flies into Mt. Teckberg in fog ~Owen, FRG-- 10
 669. 1955 -- June 29, USAF C-47 transport plane hits Sitkinak Island mountain peak, AK--all 10
 670. 1955 -- July 13, USAF KC-97 tanker fire after takeoff and crash near Cressy, CA --all 10
 671. 1955 -- July 17, Braniff Air 560 hits sign on approach/crashes, Chicago-Midway AP, IL--22
 672. 1955 -- Aug 04, American Air Flight 476 engine fire/crash, Fort Leonard Wood, MO-- 30
 673. 1955 -- Aug 11, two USAF C-119 Flying Boxcars collide over Edelweiler, Germany--all 66
 1955 -- Aug 23, engine fire after takeoff, USAF C119 crash into homes, Charleston SC-- 9
 674. 1955 -- Sep 1, USAF C-47 crash/burned, emergency landing attempt, Skwentna, AK--all 12
 675. 1955 -- Sep 26, Guantanamo NAS USN P2V-3W Neptune hurricane chaser lost, Caribbean--11
 676. 1955 -- Sep 8, USAF B29 Superfortress crash, ocean so. of Ishigaki Island, Okinawa, Japan--13
 677. 1955 -- Sep 24, five USAF planes crash (11 deaths), one Flying Tiger Line crash (3)-- 14
 --7 USAF SC-47D near Burns, WY
 --1 USAF F-84F Thunderstreak #51-17083, 22M E of Langley AFB, Hampton, VA
 --1 USAF F-84F Thunderstreak #52-6517, 5M NE of Langley AFB, Hampton, VA
 --1 USAF F-84F Thunderstreak #52-7029, Chesapeake Bay off Langley AFB, VA
 --1 USAF F-84F Thunderstreak #52-7038, 25M NE Langley AFB, Hampton, VA
 --3 Flying Tiger Line C-54A (military cargo contract), 1000M W of Honolulu, HI
 678. 1955 -- Oct 06, United Air Lines Flight 409 flies into Medicine Bow Peak, WY --all 66
 679. 1955 -- Nov 01, United 629 blown-up (relative of passenger bomb), Longmont, CO --all 44
 680. 1955 -- Nov 17, Peninsular Air Transport (mil. charter) takeoff crash, Seattle-Boeing Field, WA--28
 681. 1955 -- Nov 17, blown off course USAF DC-4 flies into top of Mt. Charleston, NV --all 14
 682. 1955 -- Nov 20, USAF C124 Globemaster II takeoff crash, Iwo Jima Air Base Japan--all 11
 683. 1955 -- Nov 29, USAF F-84 (1) takeoff malfunction into base housing/13, Eielson AFB, AK--14
 684. 1955 -- Dec 21, Eastern Air Lines 642 crash on approach to AP, Jacksonville, FL --all 17

 685. 1956 -- Feb 17, USN DC-4 flies into terrain, USN crew/5; USMC/35 ~Niles, CA --all 40
 686. 1956 -- Feb 27, USAF B-50 Superfortress crash, Wilmington Pike, Dayton OH --all 11
 687. 1956 -- Mar 2, USAF C124C Globemaster II/enroute US, engine prob., ditched off Iceland--all 17
 688. 1956 -- Apr 01, TWA Flight 400 crash after takeoff from Greater Pittsburgh AP, PA-- 22
 1956 -- May 15, Crane Co. PV1 loses left eng. power on AP approach, crashes ~Jeffersonville IN--8

689. 1956 -- June 09, USN F9F-4 Panther (1) crashes into houses (10), Minneapolis, MN-- 11
 690. 1956 -- June 20, Linea Aeropostal Venezolana emer. landing approach fire/crash off NJ --all 74
 691. 1956 -- June 26, USAF KC-97 tanker fire/crash after takeoff, 10M ~Walker AFB, NM--all 11
 692. 1956 -- June 30, TWA 2 & United 718 planes collide, Grand Canyon, AZ -- 128
 693. 1956 -- July 13, USAF takeoff/windshear crash, near Brown's Mills, NJ -- 46
 694. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
 695. 1956 -- Aug 29, Canadian Pacific Airlines fl. 307 approach crash, Cold Bay AP, AK-- 15
 696. 1956 -- Aug 31 Eielson AFB AK WB-50 plane crash 50 miles north of Anchorage --all 11
 697. 1956 -- Sep 10, Yokota AB USAF RB50G lost tracking Typhoon Emma, Sea of Japan-- 16
 698. 1956 -- Sep 24, USAF C-47 plane crash, Mount Yale, near Buena Vista, CO -- 12
 699. 1956 -- Oct 10, USN MATS plane, 1st leg UK to Azores, lost ~250M SE Land's End, Eng.-- 59
 700. 1956 -- Nov 09, USN P5M Marlin seaplane lost north of Bermuda, possibly off MD--all 10
 701. 1956 -- Nov 30, USAF B-52 plane crash after Castle AFB takeoff near Ballico, CA --all 10
 702. 1956 -- Dec 28, USAF B-50 weather recon. crash, Yokota AB approach, Japan-(9 US of 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

703. 1957 -- Jan 17, USAF Weather B-50 plane crash after takeoff ~Eielson AFB, AK --all 12
 704. 1957 -- Jan 31, DC-7 & USAF Scorpion fighter collide, debris hits school, Sunland, CA-- 8
 705. 1957 -- Feb 01, Northeast Airlines Flight 823 crashes on takeoff onto Rikers Island, NY--20
 706. 1957 -- Feb 02, two USAF KB-29P tankers collide, poor visibility, trng. mis. Morigny, France- 13
 707. 1957 -- Feb 22, USAF C-124A transport engine explodes after takeoff/crash lands ~Yanggong-ni S. Korea--22
 708. 1957 -- Mar 22, USAF MATS C-97C, Travis AFB CA to Tokyo, lost ~200M from Tokyo--67
 709. 1957 -- Apr 02, USN Neptune explodes after Chincoteague NAS takeoff, ~Atlantic VA--11
 1957 -- Apr 12, US Navy Neptune P2V-5 bomber touch & go crash, Brunswick, ME-- 6
 710. 1957 -- July 16, USAF C47 crash, Mount Cha Tien near Hsinchu Taiwan --all 16
 711. 1957 -- July 19, Willow Grove NAS, PA, Neptune crash, San Martino Mt., no. Italy⁷³-- 11
 712. 1957 -- July 23, USN P-2 Neptune stalls/crashes off Barbers Point Naval Air Sta., HI-- 10
 713. 1957 -- Sep 15, Northeast Air #285 ILS airport approach crash, New Bedford, MA -- 12
 714. 1957 -- Oct 29, USAF KC-97G Stratofreighter crash, Grey Mt. near Flagstaff, AZ --all 16
 715. 1957 -- Nov 09, Pan Am Flight 7 lost in Pacific from SF to Honolulu, HI -- 44
 1957 -- Dec 09, USN P5M Marlin Seaplane engine explosion/crash ~Corpus Christi, TX--9
 716. 1957 -- Dec 23, USN WV-2 simulation goes awry/crash, off Kakuku Pt., Oahu, HI -- 19
717. 1958 -- Jan 15, USAF Typhoon Ophelia recon. plane out of Anderson AFB, Guam, lost at sea--all 10
 718. 1958 -- Feb 01, USAF C-118A/all 41 & USN P2V-5F/6 planes collide, Norwalk, CA-- 48
 719. 1958 -- Feb 15, USAF C-47 transport plane crash in fog on Mt. Vesuvius, Italy --all 16
 720. 1958 -- Feb 20, USN WV2 early warning plane lost ~100M west of the Azores --all 22
 721. 1958 -- Mar 07, USMC transport and Skyraider planes collide off Naha NAF, Okinawa--26
 722. 1958 -- Mar 27, USAF C-119 & USAF C-124C collide mid-air, ~Bridgeport, TX --all 18
 723. 1958 -- Apr 06, Capital Airlines Flight 67 plane crash, near Freeland, MI -- 47
 724. 1958 -- Apr 21, United 736 and USAF F-100 fighter jet collide, near Las Vegas, NV-- 49
 725. 1958 -- May 20, Capital Air and MD Air NG planes collide, Brunswick, MD -- 12
 726. 1958 -- June 27, USAF SAC tanker plane crash, near Chicopee falls, MA -- 15
 1958 -- July 29, USAF B-52 goes out of control on AP approach, crashes 3M from Loring AFB, ME--8

⁷³ Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.

727. 1958 -- Aug 15, Northeast Air Flight 258 crash on AP approach in fog, Nantucket, MA--25
 728. 1958 -- Sep 02, USAF Globemaster fire & crash, 35m west, Agana Naval AS, Guam-- 19
 729. 1958 -- Sep 02, USAF C130A shot-down by MiGs over Sasnashen, Armenia, USSR--all 17
 730. 1958 -- Sep 08, USAF B-52s collide on Fairchild AFB approach ~Airway Heights, WA--13
 731. 1958 -- Sep 09, USAF Douglas C47 plane crash taking off, Elmendorf AFB, Anchorage, AK--13
 1958 -- Sep 16, USAF B52 tail separation and plane crash, South St. Paul, MN -- 7
 732. 1958 -- Sep 29, USN Neptune P2V patrol plane crash, 22M north of Key West, FL --all 10
 733. 1958 -- Oct 09, USAF C-123B transport crash near Little Willow Creek & Payette, ID-- 19
 734. 1958 -- Oct 18, USN *Constellation* plane crash on approach ~Argentia, Newfoundland, Can.--11
 735. 1958 -- Nov 12, USAF KC-97 tanker loses engine at takeoff, crashes Isle of Hope, GA--all 11
 736. 1958 -- Dec 15, Johnson and Johnson Learstar crash (icing), 5M SW of Woonsocket, RI-- 7
 737. 1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK-- 15

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

738. 1959 -- Jan 08, Southeast Air 308, flies into Mt. Holston, Tri-City AP approach, TN-- 10
 739. 1959 -- Feb 03, American Flight 320 crashes into East River, NYC, NY -- 65
 740. 1959 -- Feb 04, USAF Weather B-50 plane crash, out of Kindley US AFB, Bermuda-- 12
 741. 1959 -- Apr 09, USN P5M 2 Marlin seaplane crash Cheju Island Mt., South Korea --all 10
 1959 -- May 11, USN P2V plane crash, Whidbey Island Naval Air Station, WA -- 9
 742. 1959 -- May 12, Capital Air Flight 75 plane crash in storm, near Chase, MD -- 31
 743. 1959 -- May 20, USAF C-130 Hercules plane crash into Barracks, Ashiya AB, Japan-- 10
 744. 1959 -- June 26, TWA 891 fuel explosion, thunderstorm static electricity, Italy --70; US 37
 745. 1959 -- June 30, U.S. Air Force F-100 jet crashes into school, Ishikawa, Okinawa⁷⁴ -- 18
 746. 1959 -- July 01, Continental Can Co. Corp. plane crash, near Marion, OH -- 10
 1959 -- July 22, plane explosion and crash, USAF KC-97, near East Andover, NH -- 7
 747. 1959 -- Sep 24, Reeve Aleutian Airways fl. #3 approach crash, Great Sitkin Island, AK--16
 748. 1959 -- Sep 29, Braniff Air Flight 542 breaks-up near Buffalo, TX -- 34
 1959 -- Oct 15, USAF KC-135 tanker collides with USAF B52F bomber, ~Leitchfield, KY-- 8
 749. 1959 -- Oct 30, Piedmont 349 plane crash, Bucks Elbow Mt., VA -- 26
 750. 1959 -- Nov 7, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
 751. 1959 -- Nov 16, National Airlines Flight 967, Brought Down, Gulf of Mexico⁷⁵ -- 42
 752. 1959 -- Nov 24, Trans World Air Flight 595 Takeoff Crash, Chicago, IL -- 11
 753. 1959 -- Dec 01, Allegheny Air approach crash, ~Williamsport-Montoursville AP, PA-- 25
754. 1960 -- Jan 04, US Army De Havilland U-1A Otter disappears, Gulf of Sidra, Libya-- 10
 755. 1960 -- Jan 06, National Airlines Flight 2511 blown-up by dynamite, Bolivia, NC --all 34
 756. 1960 -- Jan 18, Capital Airlines Flight 20 crashes near Charles City, VA -- 50
 757. 1960 -- Jan 19, USN P4M Mercator plane crash, Karanfil Mt. near Adana, Turkey --all 16
 1960 -- Feb 11, rocket under wing explodes, USN P5M, Puget Sound ~NAS Whidbey Isl., WA--9
 758. 1960 -- Feb 25, USN R6D & Brazilian DC-3 collide off Rio de Janeiro, Brazil--35/USN of 61
 759. 1960 -- Mar 17, Northwest Flight 710 breaks-up and crashes near Tell City, IN -- 63
 1960 -- Apr 18, USAF C124 cargo plane takeoff crash, Stephenville, Harmon AB NFLD--9
 760. 1960 -- June 14, Pacific Northern Airlines 201 plane crash, Mt. Gilbert (9000 ft), AK-- 14

⁷⁴ All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.

⁷⁵ Cross-listed in Violence-Mass Murder.

- 761. 1960 -- July 06, USN Airship (blimp) envelope tear and crash off Barnegat City, NJ-- 18
- 762. 1960 -- July 11, US Air Mission Colombia USAF crash, Mt Pichincha, Ecuador--18/US 12
- 763. 1960 -- July 27, Chicago Helicopter Airways blade failure and crash, Forest Park, IL--all 13
- 764. 1960 -- Sep 08, Yokota AB USAF weather recon. B-50 crash, mt. near Ishikawa, Japan--11
- 765. 1960 -- Sep 19, World Airways (Military Air Transport) crash/fire, Mt. Barrigada, Guam--80
- 766. 1960 -- Oct 04, Eastern Airlines Electra hits birds, crashes, Logan IAP, Boston, MA-- 62
- 767. 1960 -- Oct 28, Northwest Orient Airlines crash/fire, poor visibility, ~Missoula, MT--all 12
- 768. 1960 -- Oct 29, Arctic-Pacific (football team charter) takeoff crash, Toledo Express AP, OH--22
- 769. 1960 -- Dec 16, United/TWA plane crash, Staten Island/Brooklyn, NY -- 134
- 770. 1960 -- Dec 17, USAF C-131 Samaritan takeoff crash, Munich, Germany--51-53(20 U.S.)

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 771. 1961 -- Jan 26, USAF C-118 Liftmaster explosion/crash off Argentia, Newfoundland-- 23
- 772. 1961 -- Feb 15, US figure-skating team/18; Sabena Air 548 crash, Berg, Belgium --73/US 49
- 773. 1961 -- Apr 18, USAF C47, circling takeoff climb, foggy weather crash, Mt Parker, Hong Kong--15
- 774. 1961 -- May 24, USAF Globemaster power loss crash after takeoff, McChord AFB, WA-- 18
- 775. 1961 -- July 11, United Flight 859 crash and fire, Stapleton IAP, Denver, CO -- 18
- 776. 1961 -- Sep 01, TWA 529 longitudinal control loss/crash, ~Chicago-Midway AP, IL --all 78
- 777. 1961 -- Sep 17, Northwest Flight 706 takeoff crash, O'Hare AP, Chicago, IL -- 37
- 778. 1961 -- Nov 8, Imperial Airlines (military contract), engine failure/crash/fire, Richmond VA--77
- 779. 1961 -- Nov 09, US Navy P2V-5 Neptune plane crash at sea ≈300M off Norfolk VA--all 11

- 780. 1962 -- Jan 12, US Navy P2V Neptune plane crash, Kronborg Glacier, Greenland --all 12
- 781. 1962 -- Mar 01, American Air Flight 1 crashes, Jamaica Bay, Queens, NY -- 95
- 782. 1962 -- Mar 08, USAF C-130A Hercules plane crash near Alencon, western France -- 15
- 783. 1962 -- Mar 15, MATS charter Flying Tiger #739 disappears, Philippine Sea--104US of 107
- 784. 1962 -- Mar 21, USN P2V Neptune crash mt. ridge 2M south of Elk Mountain, WA --all 10
- 1962 -- May 09 USAF KC-135A Stratotanker engine failure, crash, Loring, AFB, ME-- 6
- 785. 1962 -- May 22, Continental No. 11 blown-up over Unionville, MO⁷⁶ -- 45
- 786. 1962 -- May 22, USN WV2 radar intel. plane break-up/crash ~Markt Schwaben, Germany--26
- 787. 1962 -- May 17, USAF C130 Hercules flies into cloud shrouded mt., 20M W Nairobi, Kenya--13
- 1962 -- May 27, Dover AFB USAF C133 Cargomaster crash, Atlantic off Dover, DE-- 6
- 788. 1962 -- Jun 3, Air France Boeing 707 (charter) takeoff crash, Orly AP, Paris, France--130/US121
- 789. 1962 -- July 22, Canadian Pacific Airlines plane crash, Honolulu, HI -- 27
- 790. 1962 -- Aug 01, USN Marlin P5M crash, Zambales Mountains, northern Philippines-- 12
- 791. 1962 -- Sep 04, Ashland Oil Co. plane loses right wing/crashes ~Lake Milton, OH -- 13
- 792. 1962 -- Sep 10, USAF SAC tanker crash/Fairchild approach, Mt. Kit Carson ~Spokane, WA--44
- 793. 1962 -- Sep 22, USN Martin Marlin flies into high ground, Montague Isl., Gulf of AK-- 10
- 794. 1962 -- Sep 23, Flying Tiger Military Air Transport plane ditches, N. Atlantic -- 28
- 795. 1962 -- Nov 23, plane and bird collision, United 297, near Ellicott City, MD -- 17
- 796. 1962 -- Nov 30, Eastern Air 512 approach crash in fog, NY Int. AP, Jamaica, NY -- 25
- 797. 1962 -- Dec 26, USN P5M1 Marlin Seaplane lost at sea 350M SW of San Diego, CA-- 13

- 1963 -- Jan 24, USAF B-52 stabilizer shaft breaks (turbulence), crash ~Greenville, ME-- 7

⁷⁶ Cross-listed under Violence-Mass Murder

- 1963 -- Jan 29, Continental Airlines 290 crash, Kansas City Municipal Airport, MO -- 8
 798. 1963 -- Jan 30, US Navy ASW P-3A plane crash, ~250M off Atlantic City, NJ --all 14
 799. 1963 -- Feb 12, Northwest Air Flight 705 plane crash, Everglades, near Miami, FL -- 43
 800. 1963 -- June 03, Northwest Air 293 crash, North Pacific, off Annette Island., AK -- 101
 801. 1963 -- Aug 28, apparent mid-air collision, two USAF tankers, off East Coast -- 11
 802. 1963 -- Sep 22, USAF C-133A Cargomaster lost, Atlantic SE of Dover AFB, DE -- 10
 803. 1963 -- Dec 08, Pan Am Flight 214 plane crash (lightning strike), Elkton, MD -- 81
 1963 -- Dec 23, USAF B-52 Stratofortress crash after takeoff ~Columbus AFB, MS -- all 9

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

804. 1964 -- Feb 03, South Central Air takeoff crash (overloaded), Gainesville AP, FL --all 10
 805. 1964 -- Feb 25, Eastern Air Flight 304 crashes in Lake Pontchartrain, LA -- 58
 806. 1964 -- Mar 1, snowstorm, Paradise Air 901A crash, Lake Tahoe approach, Genoa Peak NV--85
 807. 1964 -- Apr 18, two USAF C119 Flying Boxcars collide 6M NE, Clinton County AFB, OH--17
 808. 1964 -- May 07, mass murder, pilot shot/plane crash, Pacific Air 773, ~San Ramon, CA⁷⁷-44
 809. 1964 -- May 11, USAF C-135 hits fence/crashes, landing, Clark US AB, Philippines-79-80
 810. 1964 -- May 11, USN P2V plane crash, Atlantic, 25 mls SW of US AB Rota, Spain -- 10
 811. 1964 -- June 29, USAF Stratofreighter & USAF C54 collide ~Kindley US AFB, Bermuda--17
 812. 1964 -- July 09, United Air Flight 823 fire and crash near Parrottsville, TN -- 39
 813. 1964 -- Oct 27, USN bomber hits pole/crashes into bldgs., low-level flyover, El Centro NAF, CA-12
 814. 1964 -- Nov 15, Bonanza Air Flight 114 crash near Las Vegas, NV -- 29
 815. 1964 -- Nov 17, USN P3A Orion approach crash in ocean in fog ~USN Base, Argentina Nfld.-- 10
 816. 1964 -- Nov 23, TWA 800 takeoff engine malfunct., hits grader/fire/explos., Rome Italy-28US of 50
 817. 1964 -- Nov 27, USN Lockheed P-2V Neptune plane crash, Cape Newenham, AK -- 12
 818. 1964 -- Dec 04, USN P3A Orion fire, crash, 25M W off Luzon, Cubi Pt NAS, Philippines--13
819. 1965 -- Jan 16, USAF tanker crash after takeoff into homes, fire, Wichita, KS⁷⁸ --29-30
 820. 1965 -- Feb 08, Eastern Air # 663, plane crash, Jones Beach State Park, NY -- 84
 821. 1965 -- June 05, USAF C119 unexplained crash, Caribbean, NE of Crooked Isl. Bahamas--10
 822. 1965 -- June 15, two US Army helicopters collide mid-air, Fort Benning, GA --all 18
 823. 1965 -- June 25, USAF Stratolifter crash after takeoff, Loma Ridge, El Toro MCAS, CA--all 84
 824. 1965 -- July 11, USAF Constellation engine fire, crash, ~100 miles off Nantucket, MA-- 16
 825. 1965 -- Aug 16, 1965, United Flight 389 plane crash, Lake Michigan, off IL -- 30
 826. 1965 -- Aug 28, USAF C47 crashes into mount Cerro Calima near Cali Columbia --all 14
 827. 1965 -- Aug 24, USMC Lockheed Hercules takeoff crash into seawall, Hong Kong -- 59
 828. 1965 -- Sep 17 Pan American 292 crash on approach, Chances Peak, Montserrat--14 US of 30
 829. 1965 -- Nov 08, American 383 crash, near Cincinnati/N KY Airport, Constance, KY-- 58
 830. 1965 -- Nov 11, United 227 plane crash on approach, Salt Lake City Airport, UT -- 43
 831. 1965 -- Nov 27, Edde Airlines flies into rising terrain after takeoff in snow, Salt Lake City, UT-- 13
832. 1966 -- Jan 25, USAF transport in-flight engine fire & crash ~Binh Khe, So. Vietnam-- 46
 833. 1966 -- Mar 05, air turbulence, BOAC plane breakup/crash, Mount Fuji, Japan --124/US 89
 834. 1966 -- Apr 09, USN Orion P-3A auto-pilot loss/crash, Pacific 187m off San Diego, CA-- 11

⁷⁷ Cross-listed in Violence-Mass Murder.

⁷⁸ Difference in numbers has to do with inclusion or not of death of unborn child.

- 835. 1966 -- Apr 22, American Flyers Airline Flight 280/D crash, NE, Ardmore, OK -- 83
- 836. 1966 -- May 04, US Army Chinook helicopter rotor loss, crash, ~Di Linh, So. Vietnam--all 21
- 837. 1966 -- May 18, USAF KC-135 Stratotanker takeoff crash, Kadena AB, Okinawa -- 12
- 838. 1966 -- Oct 01, West Coast Air 956 plane crash, Salmon Mt., near Wemme, OR -- 18
- 839. 1966 -- Oct 08, petroleum helicopter rotor failure/crash into Gulf ~Morgan City, LA--all 11
- 840. 1966 -- Nov 11, USAF Constellation plane crash, Atlantic, E. of Cape Cod, MA -- 19
1966 -- Nov 18, USAF B52 low level flight/hits trees/crashes, S of Stone Lake ~Hayward, WI-- 9
- 841. 1966 -- Nov 26, USAF C-47D loses left engine power, crashes ~Saigon, Vietnam --all 25-27
- 842. 1966 -- Dec 12, US Navy Sea Knight helicopter crash 34 miles off San Diego, CA --all 10
- 843. 1966 -- Dec 20, Executive Aviation Lodestar out of San Fran., CA crash ~San Felipe, MX--10

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 844. 1967 -- Jan 6, USN P5M Marlin crash near entrance of Manila Bay, Philippines --all 10
1967 -- Jan 8, USN plane crash after takeoff from Andrews AFB, ~Upper Marlboro, MD--9
- 845. 1967 -- Mar 05, Lake Central Airlines Flight 527 plane crash near Marseilles, OH -- 38
- 846. 1967 -- Mar 09, TWA Flight 553 and Beechcraft collide mid-air, Urbana, OH -- 26
- 847. 1967 -- Mar 10, USN DC-3 wing failure/crash, admin. flight ~Phan Rang, Vietnam --all 25
- 848. 1967 -- Mar 30, Delta Air 9877 training crash into motel complex, Kenner, LA -- 19
- 849. 1967 -- Apr 25, USAF Super Constellation engine fire and crash off Nantucket Isl., MA--15
- 850. 1967 -- Apr 28, USN P3A Orion patrol flight lost at sea off Tsushima Isl., Japan --all 12
- 851. 1967 -- June 17, USAF C-130 aborted take-off crash, An Khe airstrip, South Vietnam-- 35
- 852. 1967 -- June 23, USMC helicopters collide, New River Marine Corps Air Facility, NC-- 22
- 853. 1967 -- June 23, Mohawk Air Flight 40 plane fire and crash, Near Blossburg, PA -- 34
- 854. 1967 -- July 19, Piedmont Flight 22 and Cessna 310 planes collide, Asheville, NC -- 82
- 855. 1967 -- Oct 08, USAF turboprop flies into mountain ~Huong Thuy, South Vietnam --all 23
- 856. 1967 -- Nov 20, TWA Flight 128 plane crash, Constance, KY -- 70
1967 -- Dec 10, Otis Redding Enterprises Beechcraft crash, Lake Monona, Madison WI-- 7
- 857. 1967 -- Dec 14, USN P2V-7 Neptune plane crash ~Sea Otter Glacier, Mt. Fairweather, AK--14

- 858. 1968 -- Jan 08, USMC helicopter flies into mountain, fog/light rain, ~Quang Tri, S. Vietnam--42
- 859. 1968 -- Jan 10, USN C54 plane crash, turbulent weather, Mt. Tobin, Copper Canyon, NV--all 19
- 860. 1968 -- Jan 16, US Navy P3A Orion crash in snowstorm on Mt. Kamegamori, Japan--all 12
- 861. 1968 -- Jan 17, USAF Stratotanker takeoff plane crash, Minot AFB, ND -- 13
1968 -- Mar 13, Mead Paper Co. landing crash, icy runway, Wood Co. AP ~Parkersburg WV--6
1968 -- Mar 17, Beechcraft with HS cheerleaders landing crash in crosswind, Rapid City, SD-- 9
1968 -- Mar 19, Beechcraft plane crash in foggy weather, Terrible Mt., near Weston VT-- 7
- 862. 1968 -- Apr 01, Navy P3B coastal surveillance plane shot down, Gulf of Thailand -- 12
- 863. 1968 -- May 03, Braniff Flight 352 plane crash, thunderstorm, Houston to Dallas TX-- 85
- 864. 1968 -- May 22, Los Angeles Air helicopter rotor detachment/crash, Paramount, CA--all 23
- 865. 1968 -- June 25, three US Army helicopters collide, near Bearcat, So. Vietnam --29/US 12
- 866. 1968 -- July 28, USAF C-124A Georgia Reserve plane crash 50M NW of Recife, Brazil-- 10
- 867. 1968 -- Aug 10, Piedmont Air 230 plane crash in fog, Charleston, WV -- 35
- 868. 1968 -- Aug 14, Los Angeles Airways helicopter rotor failure/crash, Compton CA --all 21
- 869. 1968 -- Sep 24, USAF Stratotanker engine problem, crash landing at Wake Island AP-- 11
- 870. 1968 -- Oct 3, USAF transport & US Army helicopter collide over Camp Evans, S. Vietnam--all 24

- 871. 1968 -- Oct 21, USAF transport plane engine loss/crash ~Ban Me Thuot, So. Vietnam--all 23
- 872. 1968 -- Oct 25, Northeast Air 946 approach plane crash in fog, Moose Mt., NH -- 32
- 873. 1968 -- Dec 2, Wien Consolidated Air #55 loses wing/turbulence/crashes, Pedro Bay, AK- 39
- 874. 1968 -- Dec 12, Pan Am 217, from NYC, crashes into sea off Caracas, Venezuela--51/US 21
1968 -- Dec 14, USAF C119 Roosevelt Roads NAS takeoff plane crash ~San Juan, PR--all 8
- 875. 1968 -- Dec 27, No. Central Air 458 plane hits hangar in fog, O'Hare, IL -- 28
- 876. 1968 -- Dec 24, Allegheny Air 736 plane crash in snowstorm, Bradford, PA -- 20

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 877. 1969 -- Jan 06, Allegheny Air Flight 737 approach plane crash, Bradford, PA -- 11
- 878. 1969 -- Jan 13, SAS Flight 933 approach plane crash, Santa Monica Bay, CA -- 15
- 879. 1969 -- Jan 18, United Flight 266 system failure and plane crash, Ocean off LA, CA-- 38
1969 -- Jan 21, USAF B52 takeoff crash, incorrect trim, 1M from Minot AFB, ND -- all 6
- 880. 1969 -- Feb 05, USAF HC-130 rescue plane crash into sea ~100M south of Taiwan -- 13
- 881. 1969 -- Feb 05, Angeles Flying Service takeoff plane crash, Clallam Co. AP, Port Angeles WA-10
- 882. 1969 -- Feb 18, Hawthorne Nevada/Mineral County Air 708 plane crash, Mt. Whitney, CA--all 35
- 883. 1969 -- Mar 05, PR Int. Airlines approach crash, Sierra de Luquillo Mts., San Juan, PR--all 19
- 884. 1969 -- Mar 08, USAF C130 crash short of runway, Ching Chuan Kang AB, Taiwan-all 12
- 885. 1969 -- Mar 20, Avion Charter plane approach crash in fog, fire, New Orleans IAP, LA--16
- 886. 1969 -- Apr 15, USN EC-121M patrol plane shot down by No. Korea MiGs, Sea of Japan-31
- 887. 1969 -- Apr 25, USAF Lockheed EC-121 crash after takeoff, severe wind ~Korat Airbase, Thailand-18
- 888. 1969 -- June 05, USAF reconnaissance plane crash (structural?), Bering Sea off Shemya, AK--19
1969 -- June 14, private Beechcraft (4) and Piper (5) collide in haze, off Waterford, CT-- 9
- 889. 1969 -- June 23, Dominicana de Aviacion 401 takeoff, engine fire, street crash ~Miami IAP, FL-10
- 890. 1969 -- July 06, Air South 168 system failure and crash, near Monroe, GA -- 14
- 891. 1969 -- Aug 04, USN C47 plane crash, Andes Mountains near Los Quenes, Chile --all 16
- 892. 1969 -- Sep 09, Allegheny Air Flight 853 and Piper collide, Fairland, IN -- 83
- 893. 1969 -- Oct 2, USN C-2A transport plane apparent engine failure/crash, Gulf of Tonkin-- 26
- 894. 1969 -- Nov 19, Mohawk Airlines Flight 411 plane crash, near Glens falls, NY -- 14
- 895. 1969 -- Dec 05, Lockheed Lodestar plane structural failure/crash ~Albuquerque, NM--all 11
- 896. 1969 -- Dec 22, USN jet engine failure; crash kills ground personnel, Miramar NAS, CA-- 14

- 897. 1970 -- May 02, Overseas Nat. Airways 980 ditched, out of fuel ~St. Croix, Virgin Isl.-- 23
- 898. 1970 -- Apr 10, USAF C130 Hercules crash after takeoff Naha US Air Base, Okinawa-- 11
- 899. 1970 -- May 04, USAF Convair T-29D plane crash after takeoff ~Hamilton AFB, CA-- 13
- 900. 1970 -- July 05, Air Canada Flight 621 plane crash near Toronto, Canada --24 (US) of 109
- 901. 1970 -- Aug 03, storm/lightning, Navy P3A Orion turbulence breakup ~Searchlight NV-- 10
- 902. 1970 -- Aug 9, LANSAs 502 takeoff crash (49 US HS students) ~Cuzco AP, Peru --101/US54-55
- 903. 1970 -- Sep 08, Trans International Air 893, takeoff plane crash, JFK AP, NY -- 11
- 904. 1970 -- Oct 2, Golden Eagle Aviation charter crash, WSU FB team, w. of Silver Plume, CO--32
- 905. 1970 -- Oct 02, USAF C-130 transport plane crash into mountain near Taipei, Taiwan-- 43
- 906. 1970 -- Nov 14, Southern Airways Flight 932 plane crash, Huntington, WV, -- 75
- 907. 1970 -- Nov 27, Capitol Air Douglas DC-8 takeoff plane crash, Anchorage, AK -- 47

1970 -- The year.⁷⁹

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

- 1971 -- Jan 07, USAF B52 crash off Big Rock Pt. ~Charlevoix, Little Traverse Bay, MI-- 9
1971 -- Feb 03, Newberry Flying Service crash, overshot runway, Columbia, SC -- all 6
1971 -- Feb 26, Florida Community Bank Volpar missed approach crash, Columbia SC-- 8
1971 -- Mar 06, Beechcraft Bonanza crash, final approach turn (icing?), Harrison, AR-- 6
908. 1971 -- May 06, Apache Airlines Carstedt jetliner, wing failure/crash Coolidge, AZ --all 12
909. 1971 -- June 06, Hughes Air 706 and Marine Corps Phantom II collide, Duarte, CA -- 50
910. 1971 -- June 07, Allegheny Airlines approach crash in fog, New Haven, CT⁸⁰ -- 28
911. 1971 -- June 13, USAF C-135B monitoring French nuclear test, crashes, No. Pacific--all 24
912. 1971 -- June 27, takeoff crash, Shelter Cove Sea Park Co. plane, Shelter Cove, CA -- 17
913. 1971 -- Aug 18, USAF Chinook helicopter loses blade/crashes ~Pegnitz, W. Germany-- 37
914. 1971 -- Sep 04, Juneau approach crash, Alaska Air 1866, Mt. Fair (Chilkats), AK -- 111
1971 -- Sep 25, Mantwo Inc Beechcraft takeoff crash, Gen. Mitchell Field, Milwaukee WI-- 6
915. 1971 -- Oct 16, Scenic Air Cessna 402 plane crash/adverse weather, Peach Springs, AZ-- 10
916. 1971 -- Oct 21, Chicago & Southern Airlines 804 approach crash in fog, Peoria IL --all 16
917. 1971 -- Nov 12, USAF Lockheed C-130 takeoff plane crash/fire, Little Rock AFB, AR--10
918. 1971 -- Dec 12, USN C2 Greyhound out of Cubi Point NAS Philippines crash at sea--all 10
- 1972 -- Feb 19, USAF C-130 (5) & T-37 (0) planes collide, near Little Rock AFB, AR-- 5
919. 1972 -- Mar 03, Mohawk Airlines N7818M plane crash, Albany, NY -- 17
1972 -- Apr 09, rented Cherokee-6, fam. outing, loses power/crashes ~AP, Fort Payne AL--7
920. 1972 -- May 03, TN Air National Guard C124 crash 40M from Zanderij IAP, Suriname--11
921. 1972 -- May 29, helicopter carrying oil rig workers crashes, 3 miles south Dulac, LA-- 11
922. 1972 -- June 03, Brunswick ME-based US Navy P-3 Orion plane crash, mt., Morocco-- 14
923. 1972 -- June 29, North Central Air (5) & Air Wisconsin Inc. (8) collide ~Appleton, WI-- 13
1972 -- Sep 07, Piper Navajo loss of control AP approach crash, near Columbus, MS-- all 6
924. 1972 -- Sep 24, air show plane crash into ice cream parlor and fire, Sacramento, CA --22-23
925. 1972 -- Nov 17, Metro Air System (N2700S) plane crash, Elkton, KY -- 11
926. 1972 -- Dec 05, USAF C-130/12 crew, collides with SC ANG F-102, ~Conway, SC -- 13
927. 1972 -- Dec 08, United Flight 533 plane crash, Midway Airport, Chicago, IL -- 45
1972 -- Dec 16, USCG helicopter/4 with rescued boat crew/4 crashes, Gulf of Mex., off FL--8
928. 1972 -- Dec 20, North Central & Delta planes collide in fog, O'Hare AP, Chicago, IL⁸¹--10
1972 -- Dec 20, private Cessna stalls in circling landing approach, Eden Prairie, MN-- all 5
929. 1972 -- Dec 29, Eastern Airlines Flight 401 plane crash, Everglades, FL -- 101
930. 1973 -- Feb 07, US Navy Corsair II jet crash into apartment bldg., fire, Alameda, CA⁸²-- 11

⁷⁹ One might infer that 1970 was not a very good year for US aviation. But, Col. Edgar Haine has written: "In 1970 there were no scheduled airline fatalities in the [US], which was the best record since 1938 when air accidents were first tabulated by the Federal government. Considering all air operations including domestic, overseas, and cargo flights, 1970 had the second lowest fatality frequency since 1957. While luck had a part in this achievement, the advent of the jumbo jet Boeing 747 helped make these statistical improvements." (*Disaster in the Air*. NY: 2000, 23)

⁸⁰ Cross-listed under Fog as contributing condition.

⁸¹ Cross-listed in Fog as a Contributing Factor.

- 1973 -- Feb 26, Lear jet hits birds on takeoff, crashes ~Peachtree-Dekalb AP ~Atlanta, GA--7
931. 1973 -- Mar 08, US Army Golden Knights parachute team plane crash, Silk Hope, NC-- 14
932. 1973 -- Apr 12, NASA Convair and Navy P-3C Orion planes collide, Sunnyvale CA-- 16
933. 1973 -- July 22, Pan Am 816 plunges into sea after takeoff, Papeete, Tahiti --78/U.S. 35
934. 1973 -- July 23, Ozark Air Flight 809 plane crash, hit by downburst, St. Louis, MO -- 38
935. 1973 -- July 31, Delta Air Flight 723 crash in fog, seawall, Logan, Boston, MA⁸³ -- 89
936. 1973 -- Aug 28, USAF Military Airlift Command transport crash near Hueva, Spain-- 24
937. 1973 -- Sep 27, Texas International Air N94230 plane crash, Black Fork Mt., AR -- 11
938. 1973 -- Oct 14, USAF F4E jet crash into US Army personnel carrier ~Weissenburg, FRG-- 11
- 1973 -- Oct 15, USAF C-130 Hercules flies into fog-shrouded Sugar Loaf Mt., AR -- all 7
939. 1973 -- Dec 11, US Navy R6D-1 crash, Great Sitkin Island (Adak approach), AK -- 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued):

940. 1974 -- Jan 06, Air East Airlines N125AE plane crash, Johnstown, PA -- 12
941. 1974 -- Jan 30, Pan Am 806 landing crash and fire, Pago-Pago, American Samoa -- 97
942. 1974 -- Mar 13, Sierra Pacific Air fl. 802 charter crash into Mt. near Bishop, CA --all 36
943. 1974 -- Apr 11, Panorama Air sightseeing plane crash, Mauna Loa, Hawaii Isl., HI -- 11
944. 1974 -- Apr 22, Pan Am #812, Hong King to LA, crash, Mesehe Mt. Indonesia--107, US 26
- 1974 -- Aug 09, Piper Comanche charter crash 3/8M NE Jackson Municipal AP, MN-- 6
- 1974 -- Aug 10, Piper Aztec loss of control at too-low altitude, Fergus Falls, MN -- all 8
945. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea--US 20 of 88
946. 1974 -- Sep 11, Eastern Air Flight 212 plane crash in fog, Charlotte, NC -- 72
- 1974 -- Sep 11, Piper Aztec crash, Austin, MN -- all 6
947. 1974 -- Dec 01, TWA Flight 514 flies into Mt. Weather, VA -- 92
- 1974 -- Dec 11, Iowa Aviation Cessna 210L crash on I-20, heavy rain, Brandon, MS-- all 5
948. 1975 -- Jan 09, planes collide, Golden West Air #261 & Cessna, Whittier, CA -- 14
- 1975 -- Jan 09, USAF Convair and Cessna collide 4 miles west of Newport News, VA-- 9
949. 1975 -- Mar 20, USAF transport plane crash, Olympic Nat. Park, Mt. Constance, WA-- 16
950. 1975 -- Apr 04, Operation Babylift C-5 crash ~Tan Son Nhut AB, Vietnam--50-52US of 155
951. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia--37
- May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23⁸⁴
- May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
- May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
952. 1975 -- June 24, Eastern Flight 66 plane crash, microburst, JFK Airport, NY -- 113
953. 1975 -- Aug 30, Wien Air Alaska approach crash in fog, Sevuokuk Mt. ~Gambell, AK-- 10
954. 1975 -- Sep 26, USAF Sikorsky CH-53 helicopter crash, east of Paderborn, W Germany-16
- 1975 -- Nov 4, McJunkin Corp. Beechcraft King Air takeoff crash, Charleston, WV -- all 6
955. 1976 -- Apr 23, Petroleum Helicopters Inc. crash, Gulf of Mexico, off coast of LA -- 12
956. 1976 -- Apr 27, American Air Flight 625, plane crash, St. Thomas, US Virgin Islands-- 37

⁸² Cross-listed in Fire-Structural. The pilot was believed to have died prior to the crash, one person on the ground killed by the crash, and eight by fire, with one additional death to an unattributed cause.

⁸³ Cross-listed in Fog as contributing condition.

⁸⁴ Additionally four US Marines were killed in combat (1) or captured and executed by the Khmer Rouge (3).

957. 1976 -- Aug 28, USAF C41 wing lost, severe thunderstorm, crash ~Peterborough, UK-- 18
 958. 1976 -- Aug 28, USAF C-41 plane crash, Soendre Stromfjord AFB, Greenland⁸⁵ –13US/23
 959. 1976 -- Sep 26, USAF KC-135 Stratotanker (61-0296) plane crash, near Alpena, MI-- 15
 960. 1976 -- Sep 26, Johnson & Johnson Gulfstream plane crash, Hot Springs, AR -- 11

AVIATION – Master Set -- Chronological:

- 1977 -- Feb 24, PA State DOT plane crash, (1 on ground), Bressler PA, Swatara Twp.-- 9
 961. 1977 -- Mar 27, KLM 4805 & Pan Am 1736 collide, fog, Tenerife Airport, Canary Is.--~339
 962. 1977 -- Apr 04, thunder/hailstorm, Southern Air Flight 242 plane crash, Hope, GA⁸⁶-- 72
 963. 1977 -- June 21, USN TACAMO EC130Q Hercules takeoff crash, off Wake Island -- 16
 964. 1977 -- Sep 06, Alaska Aeronautical Industries fl. 302 plane crash, Mt. Iliamna, AK-- 13
 965. 1977 -- Sep 14, USAF EC-135K crash, Mt., Manzano range near Albuquerque, NM-- 20
 1977 -- Oct 20, Lynyrd Skynyrd Band plane crash near Gillsburg, MS -- 6
 966. 1977 -- Oct 21, USMC Sikorsky helicopter crash with troops, Mindoro, Philippines -- 24
 967. 1977 -- Dec 08, PHI helicopter hits oil rig crane, Gulf of Mex, near Marsh Island, LA-- 17
 968. 1977 -- Dec 11, Brunswick NAS-based USN Orion crash, fog, Mt El Hierro, Canary Isl.--13
 969. 1977 -- Dec 13, Univ. of Evansville basketball charter plane crash, Evansville, IN --all 29
970. 1978 -- Feb 10, Columbia Pacific Airlines N199EA plane crash, Richland, WA -- 17
 1978 -- Apr 23, Piper Navajo Chieftain charter crash, sevr. turbulence, Arlington, IN-- all 9
 971. 1978 -- Aug 25, Webber Air charter crash, Sumner Strait, NW of Prince of Wales Isl., AK-12
 972. 1978 -- Aug 30, Las Vegas Airlines Flight 44 takeoff crash, North Las Vegas, NV -- 10
 1978 -- Sep 04, church-hired helicopter crashes into churchyard festival, Derry, PA -- 8
 1978 -- Sep 8, low USAF C130 crash into ridge ≈8 miles north of Little Rock AFB, AR-- 8
 1978 -- Sep 22, USN P-3B plane crash after engine failure/loss, near Poland ME -- all 8
 1978 -- Sep 25, Pacific Southwest 182/Cessna collide, fall onto homes, fire, San Diego, CA-- 144
 973. 1978 -- Oct 06, USN C-118 transport crashes into hill in fog near Santiago, Chile -- 16
 1978 -- Nov 06, Beechcraft Duke loses one engine, family of 7/pilot killed ~Jackson, MS--8
 974. 1978 -- Nov 30, two planes crash; USAF C-130/6, Cottageville, SC/6; Piper, Albany AP, GA-11
 1978 -- Dec 10, USAF C-130 Hercules plane crash, landing phase, Ft. Campbell, KY-- 5
 975. 1978 -- Dec 28, United Airlines N8082U plane crash, Portland, OR -- 10
- 1979 -- Jan 17, helicopters collide (four on USCG) & 1 on civilian, Opa-Locka, FL -- all 5
 1979 -- Mar 01, Universal Air takeoff crash (unsecured baggage door), ~Gulfport MS--all 8
 976. 1979 -- May 25, American Airlines #191 takeoff crash, O'Hare IAP, Chicago, IL -- 273
 977. 1979 -- May 30, Downeast Airlines #46 approach crash, Owls Head ~Rockland, ME-- 17
 978. 1979 -- June 11, US Forest Service plane crash, Selway Riv., Nez Perce Nat. Forest, ID--10
 1979 -- Aug 04, Boise Air Service Cessna T210M crash, Pistol Creek, ID -- all 6
 979. 1979 -- Sep 14, Butler Aircraft Inc. DC-7 plane crash, Surveyor Mountain, OR -- 12
 980. 1979 -- Oct 27/28, Mexican General Prosecutor Office plane crash, San Ysidro, CA -- 10
 981. 1979 -- Oct 31, Western Airlines Flight 2605 crash, Mexico City Int. Airport --34 US of 73
 982. 1979 -- Nov 28, Air New Zealand sightseeing crash, Mount Erebus, Antarctica-24US of 257

⁸⁵ Were 13 immediate US deaths and 8 Greenland (Dutch) passenger fatalities. Two more died about two weeks later – Greenland passengers? Greenland is an autonomous country within the Kingdom of Denmark.

⁸⁶ Cross-listed in Hail as a contributing condition.

983. 1980 -- Mar 14, USAF C130 wing explosion and crash near Yenice, Cilicia, Turkey -- 18
 984. 1980 -- Mar 14, Polish Air approach crash (US boxing team) ~Warsaw AP, Poland--87, US/31
 985. 1980 -- Mar 27, Lufkin Inc., Beechcraft plane crash (icing), fire, ~Parker, CO -- 10
 986. 1980 -- June 12, Air Wisconsin flight 965 crash (storm, engine failure), Valley, NE -- 13
 987. 1980 -- June 18, Cessna 182 and Cessna 310 collide, East Maroon Pass ~Aspen, CO --all 10
 988. 1980 -- Aug 6, Air Logistics helicopter crash with oil platform workers, off Houma, LA-13
 989. 1980 -- Sep 12, Florida Commuter Airlines crash (not found) off Freeport, Bahamas-- 34

AVIATION – Master Set – Chronological:

990. 1981 -- Feb 26, USAF MC-130 plane crash, off NAS Cubi Pt., Philippines --(17 US) 23
 991. 1981 -- Apr 17, planes collide, Air US 716 & Sky West Parachute, Loveland, CO -- 15
 992. 1981 -- May 26, USN EA-68 Prowler plane crash, USS *Nimitz*, off Jacksonville, FL⁸⁷-- 14
 993. 1981 -- May 06, USAF EC-135N plane crash, Walkersville, near Frederick, MD -- 21
 994. 1981 -- Dec 05, crash (pilot error), Jump Hawaii Club Beechcraft C-45, Honolulu, HI-- 11

 995. 1982 -- Jan 13, Air Florida 90 plane crash, 14th St. Bridge/Potomac River, Wash., DC-- 78
 996. 1982 -- Mar 19, USAF KC-135 tanker explosion / crash near Wonder Lake, IL -- 27
 997. 1982 -- Apr 02, US Navy transport plane crash, Mediterranean island of Crete -- 11
 998. 1982 -- Apr 13, USAF C-130 Hercules transport wing failure/crash ~Gevenlik, Turkey-- 27
 999. 1982 -- July 9, Pan Am 759 takeoff crash (windshear), NOIA, Kenner, LA⁸⁸ --153-154
 1000. 1982 -- July 28, Last Days Ministries sight-seeing takeoff plane crash, Lindale, TX -- 12
 1982 -- Aug 31, USAF C-141 transport plane crash, John's Knob, Cherokee Nat., TN-- 9
 1982 -- Sep 11, USAF Chinook crash, Airshow, near Mannheim, Germany --46, U.S. 7-8
 1001. 1982 -- Oct 17, private Beechcraft C-45 parachuting jump plane crash near Taft, CA-- 14

 1002. 1983 -- Apr 30, USN C-131 engine fire/crash, St. John's Riv., ~Jacksonville NAS, FL-- 14
 1003. 1983 -- June 2, Air Canada Fl. 797 in-flight hidden fire, emer. landing, Covington, KY-- 23
 1004. 1983 -- June 16, US Navy P-3B Orion (152720) crash into mountain, Kauai, HI -- 14
 1983 -- July 10/11, US Army CH-47 Chinook helicopter crash, South Fox Island, MI-- 6
 1005. 1983 -- Aug 17, Las Vegas Airlines Flight 88 flies into mountain, Grand Canyon, AZ-- 10
 1006. 1983 -- Aug 21, Landry Aviation plane with skydivers stalls/crashes, Silvana, WA -- 11
 1007. 1983 -- Sep 1, Korean Air 007 (NY to Seoul) shot down by USSR off Sakhalin Isl.⁸⁹ 269 (US 61-94)
 1008. 1983 -- Oct 11, Air Illinois (N748LL) plane crash, Pinckneyville, IL -- 10

 1009. 1984 -- Feb 29, USAF C-130 Hercules plane crash, near Borja, Spain --(17 US) of 18
 1010. 1984 -- Mar 24, USMC helicopter crash into Mt., 24M no. of Pohang So. Korea --18 of 29
 1011. 1984 -- Aug 24, Wings West Air (15) & Rockwell Comd. (2) collide, San Luis Obispo, CA-- 17
 1012. 1984 -- Dec 6, Provincetown-Boston Airlines 1039 takeoff crash, Jacksonville AP, FL-- 13

 1013. 1985 -- Jan 21, Galaxy Air Charter Flight 203 plane crash, Reno NV -- 70

⁸⁷ Cross-listed in Maritime.

⁸⁸ The difference in number of fatalities is whether or not one includes the death of an unborn seven-month-old fetus. On July 13, 1982 the Jefferson Parish coroner added the unborn fetus to his list of deaths (154).

⁸⁹ 61-62 were U.S. citizens (depending on source). Thirty-two were foreign nationals living in the U.S.

1014. 1985 -- Jan 22, USAF plane crash into sea, approach to Trujillo Airport, Honduras -- 21
 1015. 1985 -- Mar 13, US Army Black Hawk (technical failure?) crash, Fort Bragg, NC --all 12
 1016. 1985 -- May 6, USMC CH-53D helicopter crash into Sea of Japan off Yakushima -- 17
 1017. 1985 -- Aug 2, Delta Flight 191, wind shear, crash, Dallas-Fort Worth IAP, TX -- 137
 1018. 1985 -- Sep 6, Midwest Express Airlines 105 crash upon departure, Milwaukee, WI-- 31
 1019. 1985 -- Sep 23, Henson Airlines 1517 approach crash, Hall Mt. (~Staunton), VA -- 14
 1020. 1985 -- Sep 29, Skydiving Crash, Westwind Sports/Parachute Ctr., Jenkinsburg, GA-- 17
 1021. 1985 -- Oct 15, USMC Sea Knight helicopter off USS *Guadalcanal* crash, Onslow Bay, NC--15
 1985 -- Nov 23, twin-engine Beech plane crash, Boca Raton, FL (all aboard killed) -- 6
 1022. 1985 -- Dec 12, crash, US Military charter, Arrow Air #1285, Gander, NFLD, Can.-- 256
 1985 -- Dec 31, Century Equip. C-47 plane fire/crash (Ricky Nelson), ~DeKalb, TX-- 7

AVIATION – Master Set -- Chronological:

- 1986 -- Jan 28, *Challenger* Space Shuttle break-up (O-Ring), Cape Canaveral, FL -- 7
 1023. 1986 -- Apr 02, USAF Hercules C-130 plane crash, Magdalena, NM -- 11
 1024. 1986 -- June 18, Grand Canyon Air/Helitech helicopter collide, Grand Canyon, AZ -- 25
 1986 -- Aug 29, USN CH-46 helicopter crash, carrier USS *Saipan* off Bodoe, Norway-- 8
 1025. 1986 -- Aug 31, Aeronaves de Mexico 498 & Piper collide, Cerritos, CA (15 on ground)--82

 1026. 1987 -- Jan 15, Sky West N163SW plane crash, Salt Lake City, UT -- 10
 1987 -- Jan 20, US Army Beechcraft & business Piper collide over Independence, MO-- 6
 1987 -- Mar 04, Northwest Airlinck crash, Detroit/Wayne County Airport, Romulus, MI-- 9
 1027. 1987 -- June 22, US Army helicopter reservist training flight crash, Ft. Hood, TX --all 10
 1028. 1987 -- July 04, private (band) Beechcraft crash, near Flathead Lake, Lakeside, MT-- 10
 1029. 1987 -- Aug 16, Northwest Airlines Flight 255 takeoff crash, hits cars, Detroit, MI -- 156
 1987 -- Sep 28, bird strike and plane crash, USAF B1-B, La Junta, CO -- 3
 1030. 1987 -- Oct 20, USAF A-7D Jet crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
 1031. 1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash, Denver, CO -- 28
 1032. 1987 -- Nov 23, Ryan Air Flight 103, Beechcraft 1900C, approach crash, Homer, AK-- 18
 1033. 1987 -- Dec 07, Pacific SW No, 1771 hijacked; crashes, Cayucos, CA⁹⁰ -- 43
 1034. 1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15

 1035. 1988 -- Feb 19, AVAir Inc. Fairchild Metro III (Air Virginia) takeoff crash, Cary, NC-- 12
 1036. 1988 -- Feb 25, Ft. Hood Army Chinook helicopter engine failure and crash, Chico, TX--10
 1037. 1988 -- Mar 08, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN⁹¹ -- 17
 1988 -- June 08, Air Nat. Guard C-130 crash, touch-and-go-landing, Greenville, MS-- 6
 1038. 1988 -- July 3, USS *Vincennes* missile cruiser shoots down Iran Air 655, Persian Gulf⁹²-290
 1039. 1988 -- Aug 31, Delta Air Flight 1141 takeoff crash/fire, Dallas/Fort Worth AP, TX-- 14
 1040. 1988 -- Oct 25, USMC CH-46/UH-1N helicopters crash, Goldwater Gun. Range, AZ-- 10

⁹⁰ Cross-listed in Violence-Mass Murder.

⁹¹ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

⁹² No Americans killed. American disaster in that a US Navy vessel, having intruded into Iranian territorial waters, shot down Iranian passenger airliner without definitive knowledge that target was a military one representing a threat. Retrieved onboard screen shots demonstrated that target had been identified with a civilian transponder code, at high altitude and ascending, rather than descending, as was claimed at the time. Cross-listed in Maritime.

1041. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland⁹³ --(189 US) 270
1042. 1989 -- Jan 31, USAF SAC tanker crash, Dyess Air Force Base, TX -- 19
1043. 1989 -- Feb 19, Las Vegas Flyers Cessna 402 crash, Santa Ana Mts. ~Corona, CA -- 10
 1989 -- Feb 24, United 811 (355 aboard) cargo door failure over Pacific near Hawaii-- 9
1044. 1989 -- Mar 12, USAF CH-3C 'copter crash 20 miles NW of Tucson, ~Marana, AZ-- 15
1045. 1989 -- Mar 20, USMC Sea Stallion Helo engine mal./crash, Mt., ~Pohang, S. Korea-- 19
1046. 1989 -- May 29, USMC CH46 Sea Knight helicopter crashes, trng. exer., off Okinawa-- 14
1047. 1989 -- June 11, Scenic Air Tours (N34AP) plane crash, Waipio Valley, HI -- 11
1048. 1989 -- July 19, United Flight 232 hydraulic system failure & crash, Sioux City, IA⁹⁴--112
1049. 1989 -- Sep 27, Grand Canyon Airlines Flight 5 (sightseeing) crash, Tusayan, AZ -- 10
1050. 1989 -- Oct 28, Aloha Island Air Flight 1712 crash into high terrain, Molokai, HI -- 20
 1989 -- Dec 01, US Army CASA 212 plane crash, Patuxent River NAS, MD -- 5

Aviation Events – Master Set -- Chronological (continued):

1051. 1990 -- Jan 25, Avianca #52 runs out of fuel/crashes, Cove Neck, Long Island, NY -- 73
1052. 1990 -- Feb 21, two USA 'copters crash (Iroquois/9, OH-58/2) ~Punta Diego, Panama Canal--11
1053. 1990 -- Aug 29, USAF C-5A Galaxy plane crash, Ramstein U.S. Air Base, Germany-- 13
 1990 -- Dec 3, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus MI- 8
1054. 1991 -- Feb 01, landing plane (USAir 1493) hits SkyWest 5569 on runway, LAX, CA-- 34
 1991 -- Feb 03, Cessna 182 parachute plane collides with private plane, Osceola, WI-- 7
1055. 1991 -- Mar 03, United Air Boeing 737 plane crash, Colorado Springs, CO -- 25
1056. 1991 -- Mar 16, Reba McEntire band charter plane crash, Otay Mt. near San Diego, CA--10
1057. 1991 -- Mar 21, US Navy P-3C's collide mid-air, southwest off San Diego, CA -- 27
1058. 1991 -- Apr 05, Atlantic Southeast Air Flight 2311 AP approach crash, Brunswick, GA-- 23
1059. 1991 -- July 10, L'Express Airlines Flight 508 plane crash, near Birmingham, AL -- 13
1060. 1991 -- Sep 11, Continental Express 2574 breakup and crash, near Eagle Lake, TX -- 14
1061. 1992 -- Feb 06, KY ANG C-130 Hercules crash, hotel/rest. complex, Evansville, IN-- 17
1062. 1992 -- Mar 22, US Air Flight 405, icing, takeoff crash, LaGuardia, NY -- 27
1063. 1992 -- Apr 22, Perris Valley Aviation (skydiving) plane crash, Perris, CA -- 16
 1992 -- May 28, US Marine Corps Hornet crash due to bird-strike, near Gainesville, FL-- 1
1064. 1992 -- June 19, Adventure Air crash, Grand Canyon sightseeing, ~Meadview, AZ -- 10
1065. 1992 -- Sep 07, Beechcraft parachuting plane crash, Hinckley, IL -- 12
 1992 -- Oct 07, WV Air National Guard C-130 plane crash, Berkeley Springs, WV -- 6
1066. 1992 -- Oct 29, USAF Pave Hawk helicopter crash ~Antelope Island, Great Salt Lake, UT--12
1067. 1992 -- Nov 30, two USAF C-141 transport planes collide mid-air, near Harlem, MT-- 13
- 1993 -- Apr 19, plane crash, SD Governor Mickelson & party, near Zwingle, IA -- 8
1068. 1993 -- Dec 01, Terrain Express II Airlines/Northwest AirlinK crash, Hibbing, MN -- 18
1069. 1994 -- Jan 05, Kimura International Air (charter) crash, near Fort Drum, FL -- 10

⁹³ Cross-listed in Violence-Bombing and Violence-Terrorism.

⁹⁴ 111 deaths at the time and one of the seriously injured who died 31 days later from their burn injuries.

1070. 1994 -- Mar 23, USAF C-130 & F-16 collide, F-16 hits troops on ramp, Pope AFB, NC--24
 1071. 1994 -- Apr 14, 2 USAF F-15s shootdown 2 USA Black Hawks, north Iraq --15US of 26
 1072. 1994 -- June 18, Mexican charter Learjet crash, Dulles IAP approach, Chantilly, VA-- 12
 1073. 1994 -- July 02, US Air Douglas DC-9 plane crash, Charlotte, NC -- 37
 1074. 1994 -- Sep 08, US Air Flight 427 crashes, Aliquippa, near Pittsburgh Airport, PA -- 133
 1075. 1994 -- Oct 31, American Eagle Flight 4148 plane crash, icing, Roselawn, IN -- 68
 1076. 1994 -- Dec 13, American Eagle 3379 (Flagship Air) approach crash, ~Raleigh, NC-- 15

Aviation Events – Master Set -- Chronological (continued):

- 1995 -- Apr 17, plane crash, USAAF C-21 Learjet, near Alexander City Airport, AL-- 8
 1995 -- Aug 21, plane crash, Atlantic Southeast Airlines 529, near Carrollton, GA⁹⁵-- 9
 1077. 1995 -- Sep 10, plane crash, Peninsula Sky Diving Club, West Point, VA -- 12
 1078. 1995 -- Sep 22, USAF AWACS Sentry bird strike crash, Elmendorf AFB, AK -- 24
 1079. 1995 -- Dec 20, American Air 965 crash, incorrect approach, Buga, Colombia--≤46 US of 159
- 1996 -- Mar 07, US Army Chinook from Fort Campbell crashes near Olmstead, KY-- 5
 1080. 1996 -- Apr 03, USAF plane crash (Sec. Commerce Ron Brown) ~Dubrovnik, Croatia-- 35
 1081. 1996 -- May 10, two U.S. Marine Corp helicopters collide, Camp LeJeune, NC -- 14
 1082. 1996 -- May 11, ValuJet Flight 592 cargo hold fire and crash, Everglades, FL -- 110
 1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY -- 6
 1083. 1996 -- July 17, TWA Flight 800, from JFK explodes over Atlantic Ocean off NY -- 230
 1996 -- Aug 17, USAF C-130 crash, Presidential support mission, ~Jackson Hole, WY-- 9
 1084. 1996 -- Nov 19, United Express 5925 and Beechcraft planes collide, Quincy, IL -- 14
 1085. 1996 -- Nov 22, USAF Hercules engine loss & crash, Pacific ~Cape Mendocino, CA-- 10
1086. 1997 -- Jan 09, Comair 3272 crash, snowstorm and icing, near Monroe & Detroit, MI-- 29
 1087. 1997 -- Aug 6, Korean Air 801 approach crash to Antonio B. Won IAP, Guam--229/US 13
1088. 1998 -- Sep 2, Swissair 111 (NY to Geneva) crashes off Peggy's Cove, N.S., Can--229 (US117)
 1089. 1998 -- Sep 4, two USAF Pave Hawk helicopters (6&6) collide at night, Nellis Range NV--12
1090. 1999 -- June 01, American Airlines 1420, storm/landing collision, Little Rock, AR -- 11
 1091. 1999 -- July 31, takeoff crash/Parahawks Skydiving Center plane, Marine City, MI -- 10
 1092. 1999 -- Sep 25, Big Island Air Piper plane crash (N411WL) Kailua Kona, HI -- 10
 1093. 1999 -- Oct 31, Egypt Air 990 crash, mass murder, off Nantucket Island, MA⁹⁶ -- 217
1094. 2000 -- Jan 31, Alaska Airlines Flight 261 crash, off Point Mugu, Ventura Co., CA -- 88
 1095. 2000 -- Apr 08, USMC tilt-rotor Osprey V-22 crash, Marana Airport ~Tucson, AZ -- 19
 1096. 2000 -- May 21, charter plane crash (low fuel), Executive Air, near Wilkes Barre, PA-- 19
 1097. 2000 -- Aug 09, USN Patuxent Air charter & private plane collide, Burlington, NJ -- 11
1098. 2001 -- Jan 27, charter plane crash, OK State Univ. basketball members, Strasburg, CO-- 10
 1099. 2001 -- Mar 03, USAF C-23 plane crash (VA NG (18) FL ANG (3)), Unadilla, GA -- 21

⁹⁵ Eight fatalities at the time or shortly thereafter; one passenger four months later due to burns/inhalation injuries.

⁹⁶ Cross-listed in Violence-Mass Murder

1100.	2001 -- Mar 29, Avjet Corp. Gulfstream III charter crash on approach, Aspen, CO	--	18
1101.	2001 -- Sep 11, American Airlines #77, Pentagon attack, Arlington, VA ⁹⁷	--	189
1102.	2001 -- Sep 11, American Air hijacked, flown into Pentagon, Arlington VA ⁹⁸	--	64
1103.	2001 -- Sep 11, American 11 hi-hacked, flown into WTC North, NY ⁹⁹	--1,392-	1,431
1104.	2001 -- Sep 11, American Air 11 hijacked, flown into WTC North, NY ¹⁰⁰	--	87
1105.	2001 -- Sep 11, United Air 175 hi-jacked, flown into WTC South, NY ¹⁰¹	--	665
1106.	2001 -- Sep 11, United Air 175 hi-jacked, flown into WTC South, NY ¹⁰²	--	60
1107.	2001 -- Sep 11, United Airlines N591UA hijacked, crashed, Shanksville, PA	--	45
1108.	2001 -- Oct 10, PenAir flight 350 crash after takeoff (wing icing), Dillingham, AK	--	10
1109.	2001 -- Nov 12, American Airlines flight 587 plane crash, Bell Harbor, Queens, NY	--	265

Aviation -- Master Set -- Chronological -- continued:

1110.	2002 -- Feb 22, US Army Chinook crashes at sea, exercise off Dumaguete Philippines	--all	10
1111.	2002 -- Aug 07, plane crash, USAF Combat Talon II, Caguas, Puerto Rico	--	10
1112.	2003 -- Jan 08, Air Midwest Flight 5481 takeoff crash (no survivors), Charlotte, NC	--	21
1113.	2003 -- Mar 11, US Army Blackhawk helicopter crash, Fort Drum, NY	--	11
1114.	2004 -- Mar 23, helicopter crash, Gulf of Mx., flying to oil rig ~60M off Galveston TX	--	10
1115.	2004 -- Oct 19, Corporate Airlines (N875JX) plane crash, Kirksville, MO	--	13
1116.	2004 -- Oct 24, Hendrick Motorsports N501RH plane crash, Martinsville, VA	--	10
1117.	2005 -- Apr 06, US Army Chinook crash in sandstorm near Ghazni, Afghanistan	--all	18
1118.	2005 -- Dec 19, Chalk's Ocean Airways Flight 101 plane crash, off Miami, FL	--	20
1119.	2006 -- Aug 27, Comair Flight 5191 takeoff plane crash, Lexington, KY	--	49
1120.	2007 -- Oct 07, plane crash, Kapowsin Air Sports (skydiving), near Naches, WA	--	10
1121.	2008 -- Aug 22, Red Canyon Aesthetics/Medical Spa plane crash, near Moab, UT	--	10
	2009 -- Jan 04, Sikorsky helicopter hits hawk after takeoff, crashes ~Morgan City, LA	--	8
1122.	2009 -- Feb 12, Colgan Air/Continental Flight 3407 crash, Clarence Center, NY	--	50
1123.	2009 -- Mar 22, Pilatus PC-12/45 private jet crash, Butte, MT	--	14
1124.	2009 -- Oct 26, US Army Chinook crash, dirt blown up from takeoff, anti-drug op., Afghanistan	--	10
1125.	2011 -- Sep 16, National Championship Air Race crash, Grandstand, Reno, NV	--	11
	2011 -- Nov 23, Ponderosa Aviation Inc. small plane crash, Superstition Mts., AZ	--	6

⁹⁷ Cross-listed in Violence-Terrorism.

⁹⁸ Cross-listed in Violence-Terrorism.

⁹⁹ Cross-listed in Violence-Terrorism.

¹⁰⁰ Cross-listed in Violence-Terrorism; figure does not include 5 al-Qaeda Terrorists.

¹⁰¹ Cross-listed in Violence-Terrorism.

¹⁰² Cross-listed in Violence-Terrorism; figure does not include the five terrorists.

1126. 2013 -- July 07, Rediske Air-Taxi crash, de Havilland DHC3 Otter, Soldotna, AK -- 10
 2014 -- Dec 08, Sage Aviation AP approach crash into houses, fire, Gaithersburg MD-- 6
1127. 2015 -- Mar 10, U.S. Army Blackhawk helicopter crash, Gulf, off Navarre Beach, FL-- 11
1128. 2015 -- Oct 2, USAF C130 takeoff crash, yoke blocked by pilot, Jalalabad AP, Afghanistan, 11US of 14
 2015 -- June 25, plane crash, cruise ship passengers, ~25M from Ketchikan, SE AK-- 9
1129. 2015 -- Oct 2, USAF C130 takeoff crash, yoke blocked by pilot, Jalalabad AP, Afghanistan, 11US of 14
 2015 -- Nov 10, company jet crash into apt. bldg. on airport approach, Akron, OH -- 9

Aviation -- Master Set -- Chronological -- continued:

1130. 2016 -- Jan 14, two US Marine Corps. helicopters crash off Haleiwa, Oahu, HI -- 12
1131. 2016 -- July 30, hot air balloon hits power lines/burns/crashes, near Lockhart TX -- 16
1132. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16
 2018 -- May 02, Puerto Rico Air National Guard C-130 plane crash near Savannah, GA-- 9
1133. 2019 -- June 21, skydiving charter plane crash, Dillingham Airfield, Oahu, HI -- 11
1134. 2019 -- June 30, plane crash into AP hangar on takeoff, near no. Dallas, Addison, TX-- 10
 2019 -- Oct 02, Collings Fdn. B17 Flying Fortress landing crash, Windsor Locks AP, CT-- 7
 2019 -- Nov 30, Pilatus PC-12 plane crash during initial climb, Chamberlain Airport, SD-- 9
1135. 2022 -- Sep 04, floatplane crash in Puget Sound off Whidbey Island, WA --all 10
 2023 -- Mar 30, USA Black Hawk helicopters collide, night training, Cadiz, Trigg Co., KY-- 9

AIRSHIPS -- Balloons, Blimps, Dirigibles Subset -- Aviation Disasters -- By MORTALITY

1. 1933 -- Apr 04, storm, USN dirigible *Akron* crash/73, 2 rescuers, off Barnegat City, NJ-- 75
 2. 1922 -- Feb 21, dirigible airship *Roma* Crashes, Hampton Roads Naval Base, VA -- 34
 3. 1960 -- July 06, USN Airship (blimp) envelope tear and crash off Barnegat City, NJ -- 18
 4. 2016 -- July 30, hot air balloon hits power lines/burns/crashes, near Lockhart TX -- 16
 5. 1925 -- Sep 03, Navy dirigible *Shenandoah* upset by storm/breakup/crash ~Marietta OH-- 14
 6. 1919 -- July 21, dirigible *Wingfoot* fire/crash (3) into bank skylight (10), Chicago, IL -- 13
 7. 1942 -- Jun 08, USN dirigible airships collide, *Defender/G-1*, Ocean, ~Lakehurst, NJ -- 12
 8. 1944 -- May 16, dirigible airship K-5 crash, Lakehurst NAS, NJ -- 10
- 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
1945 -- May 03, USN blimp engine fire leads to cover fire and crash, Santa Ana, CA -- 8
1993 -- Aug 08, Cameron balloon collides with static power line/crashes, ~Woody Creek CO--6
1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico-- 5

AIRSHIPS --Balloons, Blimps, Dirigibles Subset--Aviation Disasters--CHRONOLOGICAL

1. 1919 -- July 21, Dirigible *Wingfoot* fire/crash (3) into bank skylight (10), Chicago, IL -- 13
- 1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico-- 5
2. 1922 -- Feb 21, Dirigible Airship *Roma* Crashes, Hampton Roads Naval Base, VA -- 34
3. 1925 -- Sep 03, Navy Dirigible *Shenandoah* upset by storm/breakup/crash ~Marietta OH-- 14
4. 1933 -- Apr 04, Storm, USN dirigible *Akron* crash/73, 2 rescuers, off Barnegat City, NJ-- 75
5. 1942 -- Jun 08, USN Dirigible Airships Collide, *Defender/G-1*, Ocean, ~Lakehurst, NJ-- 12
- 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
6. 1944 -- May 16, USN Dirigible Airship (Blimp) K-5 Crash, Lakehurst NAS, NJ -- 10
- 1945 -- May 03, USN blimp engine fire leads to cover fire and crash, Santa Ana, CA -- 8
7. 1960 -- July 06, USN Airship (blimp) envelope tear and crash off Barnegat City, NJ -- 18
- 1993 -- Aug 08, Cameron balloon collides with static power line/crashes, ~Woody Creek CO--6
8. 2016 -- July 30, hot air balloon hits power lines/burns/crashes, near Lockhart TX -- 16

AVIATION Air Show & Racing Incidents – Deadliest American – By MORTALITY

1. 1972 -- Sep 24, air show plane crash and fire, Ice Cream Parlor, Sacramento, CA¹⁰³ --22-23
2. 1951 -- Sep 15, airshow stunt plane crash kills 19 spectators and pilot, Flagler, CO -- 20
3. 2011 -- Sep 16, National Championship Air Race crash into Grandstand, Reno, NV¹⁰⁴-- 11
4. 1930 -- Apr 27, plane buzzes spectators, crashes at air show near Fayetteville, TN -- 9
5. 1982 -- Sep 11, USAF Chinook crash at airshow, near Mannheim, Germany --46, U.S. 7-8
6. 1946 -- Aug 9, USAAF A-26 Invaders collide, ground casualties, No. Montana State Fair, Great Falls-- 7
7. 1922 -- Sep 23, US bomber crashes, “Flying Circus”, Mitchel Field, Mineola, NY -- 6
8. 1940 -- Oct 20, plane catches parachute’s shrouds, crashes, Marianna Airshow, AR -- 6
9. 1945 -- May 27, USAAF XP-55 Ascender crash debris hits car, air show, Wright Field, Dayton OH--5
10. 1949 -- Sep 05, P-51 Mustang plane crash, Cleveland Air Races, OH -- 3

AVIATION Air Show and Racing Incidents – Deadliest American – CHRONOLOGICAL

1. 1922 -- Sep 23, US bomber crashes, “Flying Circus”, Mitchel Field, Mineola, NY -- 6
2. 1930 -- Apr 27, plane buzzes spectators, crashes at Air Show near Fayetteville, TN -- 9
3. 1940 -- Oct 20, plane catches parachute’s shrouds, crashes, Marianna Airshow, AR -- 6
4. 1945 -- May 27, USAAF XP-55 Ascender crash debris hits car, air show, Wright Field, Dayton OH--5
5. 1946 -- Aug 9, USAAF A-26 Invaders collide, ground casualties, No. Montana State Fair, Great Falls-- 7
6. 1949 -- Sep 05, P-51 Mustang plane crash, Cleveland Air Races, OH -- 3
7. 1951 -- Sep 15, airshow stunt plane crash kills 19 spectators and pilot, Flagler, CO -- 20
8. 1972 -- Sep 24, Air Show plane crash/fire, at Ice Cream Parlor, Sacramento, CA --22-23
9. 1982 -- Sep 11, USAF Chinook crash, airshow, near Mannheim, Germany --46, U.S. 7-8
10. 2011 -- Sep 16, National Championship Air Race crash into grandstand, Reno, NV¹⁰⁵ -- 11

¹⁰³ Attempting to takeoff to fly home at conclusion of airshow.

¹⁰⁴ Cross-listed in Aviation.

¹⁰⁵ Cross-listed in Aviation.

BIRD STRIKES Subset – **Aviation Disasters** – **By Mortality**

1. 1960 -- Oct 4, Eastern Airlines Electra hits birds, crashes, Logan, Boston, MA -- 62
2. 1995 -- Sep 22, USAF Boeing AWACS bird strike crash, Elmendorf AFB, AK -- 24
3. 1962 -- Nov 23, plane/bird collision, United 297, Near Ellicott City, MD -- 17

Other:

- 2009 -- Jan 4, Sikorsky helicopter hits hawk after takeoff, crashes ~Morgan City, LA -- 8
1973 -- Feb 26, Lear jet hits birds on takeoff, crashes ~Peachtree-Dekalb AP ~Atlanta, GA--7
1948 -- Mar 26, private Beechcraft 35 Bonanza hits buzzard, crashes, Bardstown, KY -- 5
2008 -- Mar 04, bird strike, Cessna 500, near Wiley Post Airport, OK City, OK -- 5
1987 -- Sep 28, USAF B1-B bird strike and plane crash, La Junta, CO -- 3
2007 -- Oct 23, UND Piper 44 bird strike/plane crash, Minneapolis to Grand Forks, ND-- 2
1912 -- Apr 03, 1st recorded plane fatality due to bird strike, C. P. Rogers -- 1
1936 -- July 25, Seaman Gladstone thrown from plane, bird collision-prevention maneuver- 1
1992 -- May 28, U.S. Marine Corps Hornet crash due to bird-strike, near Gainesville, FL-- 1

BIRD STRIKES Subset – **Aviation Disasters** – **Chronological**

- 1912 -- Apr 03, 1st recorded plane fatality due to bird strike, C. P. Rogers -- 1
1. 1936 -- July 25, Seaman Gladstone thrown from plane, bird collision-prevention maneuver--1
- 1948 -- Mar 26, private Beechcraft 35 Bonanza hits buzzard, crashes, Bardstown, KY -- 5
2. 1960 -- Oct 04, Eastern Airlines Electra hits birds, crashes, Logan, Boston, MA -- 62
 3. 1962 -- Nov 23, plane/bird collision, United 297, Near Ellicott City, MD -- 17
- 1973 -- Feb 26, Lear jet hits birds on takeoff, crashes ~Peachtree-Dekalb AP ~Atlanta, GA--7
- 1987 -- Sep 28, USAF B1-B bird strike and plane crash, La Junta, CO -- 3
- 1992 -- May 28, U.S. Marine Corps Hornet crash due to bird-strike, near Gainesville, FL-- 1
4. 1995 -- Sep 22, USAF Boeing AWACS bird strike crash, Elmendorf AFB, AK -- 24
- 2007 -- Oct 23, UND Piper 44 bird strike/plane crash, Minneapolis to Grand Forks, ND-- 2
2008 -- Mar 04, bird strike, Cessna 500, near Wiley Post Airport, OK City, OK -- 5
2009 -- Jan 4, Sikorsky helicopter hits hawk after takeoff, crashes ~Morgan City, LA -- 8

HELICOPTER/ Tilt-rotor Disasters -- Aviation Disasters Subset -- By MORTALITY

1. 1968 -- Jan 08, USMC helicopter flies into mountain, fog/light rain, ~Quang Tri, S. Vietnam--all 42
2. 1971 -- Aug 18, USAF Chinook helicopter loses blade/crashes ~Pegnitz, W. Germany--all 37
3. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia-- 37
 May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23¹⁰⁶
 May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
 May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
4. 1984 -- Mar 24, USMC helicopter crash into Mt., 24m north of Pohang S. Korea--US18 of 29
5. 1986 -- June 18, Grand Canyon Air & Helitech helicopter collide, Grand Canyon, AZ -- 25
6. 1977 -- Oct 21, USMC Sikorsky helicopter crash with troops, Mindoro, Philippines -- 24
7. 1968 -- May 22, Los Angeles Air helicopter rotor detachment/crash, Paramount, CA --all 23
8. 1975 -- May 13, USAF Sikorsky helicopter crash, *Mayaguez* support mission, Thailand-- 23
9. 1967 -- June 23, USMC helicopters collide, New River Marine Corps Air Facility, NC-- 22
10. 1966 -- May 04, US Army Chinook helicopter rotor loss, crash, ~Di Linh, So. Vietnam--all 21
11. 1968 -- Aug 14, Los Angeles Airways helicopter rotor failure/crash, Compton CA --all 21

12. 1989 -- Mar 20, USMC Sea Stallion helo engine mal./crash, Mt., ~Pohang, So. Korea -- 19
13. 2000 -- Apr 08, USMC tilt-rotor Osprey V-22 crash, Marana Airport, ~Tucson, AZ -- 19
14. 1965 -- Jun 15, US Army Helicopters Mid-Air Collision, Columbus, GA -- 18
15. 2005 -- Apr 06, US Army Chinook crash in sandstorm near Ghazni, Afghanistan --all 18
16. 1977 -- Dec 08, PHI helicopter hits oil rig crane, Gulf of Mex, near Marsh Island, LA -- 17
17. 1985 -- May 06, USMC CH-53D helicopter crash into Sea of Japan, off Yakushima -- 17
18. 1988 -- Mar 08, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN¹⁰⁷ -- 17
19. 1975 -- Sep 26, USAF Sikorsky CH-53 helicopter crash, east of Paderborn, W Germany-- 16
20. 1985 -- Oct 15, USMC Sea Knight helicopter off USS *Guadalcanal* crash, Onslow Bay, NC--15
21. 1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15
22. 1989 -- Mar 12, USAF CH-3C helicopter crash 20 miles NW of Tucson, ~Marana, AZ-- 15
23. 1989 -- May 29, USMC CH46 Sea Knight helicopter crash, trng. exercise, off Okinawa-- 14
24. 1996 -- May 10, two U.S. Marine helicopters collide. Camp LeJeune, NC -- 14
25. 1960 -- July 27, Chicago Helicopter Airways blade failure and crash, Forest Park, IL --all 13
26. 1980 -- Aug 6, Air Logistics helicopter crash with oil platform workers, off Houma, LA-- 13

27. 1968 -- June 25, three US Army helicopters collide, ~Bearcat, **South Vietnam** --29/US 12
28. 1976 -- Apr 23, Petroleum Helicopters Inc. crash, Gulf of Mexico, off coast of LA -- 12
29. 1985 -- Mar 13, US Army Black Hawk (technical failure?) crash, Fort Bragg, NC --all 12
30. 1992 -- Oct 29, USAF Pave Hawk helicopter crash ~Antelope Island, Great Salt Lake UT--12
31. 1998 -- Sep 4, two USAF Pave Hawk helicopters (6&6) collide at night, Nellis Range, NV--12
32. 2016 -- Jan 14, two USMC helicopters crash off Haleiwa, Oahu, HI -- 12

33. 1966 -- Oct 08, petroleum helicopter rotor failure/crash into Gulf ~Morgan City, LA --all 11
34. 1972 -- May 29, helicopter carrying oil rig workers crashes, 3 miles south Dulac, LA -- 11
35. 1990 -- Feb 21, two USA 'copters crash (Iroquois/9, OH-58/2) ~Punta Diego, Panama Canal--11
36. 2003 -- Mar 11, US Army Blackhawk helicopter crash, Fort Drum, NY -- 11

¹⁰⁶ Additionally four US Marines were killed in combat (1) or captured and executed by the Khmer Rouge (3).

¹⁰⁷ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

37. 2015 -- Mar 10, U.S. Army Blackhawk helicopter crash, Gulf off Navarre Beach, FL -- 11

Aviation – Helicopter subset – By Mortality (continued):

38. 1966 -- Dec 12, US Navy Sea Knight helicopter crash 34 miles off San Diego, CA --all 10
39. 1987 -- June 22, US Army helicopter reservist training flight crash, Ft. Hood, TX --all 10
40. 1988 -- Feb 25, Ft. Hood Army Chinook helicopter engine failure and crash, Chico, TX-- 10
41. 1988 -- Oct 25, USMC CH-46/UH-1N helicopters crash, Goldwater Gun. Range, AZ -- 10
42. 2002 -- Feb 22, US Army Chinook crashes at sea, exercise off Dumaguete Philippines --all 10
43. 2004 -- Mar 23, helicopter crash, Gulf of Mx., flying to oil rig ~60M off Galveston, TX-- 10
44. 2009 -- Oct 26, US Army Chinook crash, dirt blown up from takeoff, anti-drug op., Afghanistan-- 10

Examples of Some Helicopter Events with 5-9 deaths each:

2009 -- Aug 09, private plane and helicopter collide, Hudson River, off Hoboken, NJ -- 9
2009 -- Oct 29, USMC helicopter/USCG C-130 collide, near San Clemente Island, CA -- 9
2023 -- Mar 30, USA Black Hawk helicopters collide, night training, Cadiz, Trigg Co., KY-- 9

1972 -- Dec 16, USCG helicopter/4 with rescued boat crew/4, crashes, Gulf of Mex., off FL-- 8
1978 -- Sep 04, church-hired helicopter crashes into churchyard festival, Derry, PA -- 8
1982 -- Sep 11, USAF Chinook helicopter crash, airshow, near Mannheim, Germany--46, US 7-8
1986 -- Aug 29, USN CH-46 helicopter crash, Carrier USS *Saipan*, off Bodoe, Norway -- 8
2009 -- Jan 04, Sikorsky helicopter hits hawk after takeoff, crashes near Morgan City, LA-- 8

1983 -- July 10/11, US Army CH-47 Chinook helicopter crash, South Fox Island, MI -- 6
1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY -- 6

1979 -- Jan 17, helicopters collide (four on USCG) & 1 on civilian, Opa-Locka, FL -- all 5
1996 -- Mar 07, US Army Chinook from Fort Campbell crashes near Olmstead, KY -- 5
2008 -- Dec 11, air taxi/commuter helicopter crash, Gulf of Mexico, Sabine Pass, TX -- 5

Helicopter / Tilt-rotor Disasters -- Aviation Disasters Subset -- Chronological

1. 1960 -- July 27, Chicago Helicopter Airways blade failure and crash, Forest Park, IL --all 13
2. 1965 -- June 15, US Army helicopters collide in mid-air, Columbus, GA -- 18
3. 1966 -- May 04, US Army Chinook helicopter rotor loss, crash, ~Di Linh, So. Vietnam --all 21
4. 1966 -- Oct 08, Petroleum Helicopter rotor failure/crash into Gulf ~Morgan City, LA --all 11
5. 1966 -- Dec 12, US Navy Sea Knight helicopter crash 34 miles off San Diego, CA --all 10
6. 1967 -- June 23, USMC helicopters collide, New River Marine Corps Air Facility, NC-- 22
7. 1968 -- Jan 08, USMC helicopter flies into mountain, fog/light rain, ~Quang Tri, S. Vietnam--all 42
8. 1968 -- May 22, Los Angeles Air helicopter rotor detachment/crash, Paramount, CA --all 23
9. 1968 -- June 25, three US Army helicopters collide, ~Bearcat, South Vietnam --29/US 12
10. 1968 -- Aug 14, Los Angeles Airways helicopter rotor failure/crash, Compton, CA --all 21

11. 1971 -- Aug 18, USAF Chinook helicopter loses blade/crashes ~Pegnitz, W. Germany --all 37
12. 1972 -- May 29, helicopter carrying oil rig workers crashes, 3 miles south Dulac, LA -- 11
- 1972 -- Dec 16, USCG helicopter/4 with rescued boat crew/4, crashes, Gulf of Mex., off FL-- 8
13. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia-- 37
- May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23¹⁰⁸
- May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
- May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
14. 1975 -- Sep 26, USAF Sikorsky CH-53 helicopter crash, east of Paderborn, W Germany--16
15. 1976 -- Apr 23, Petroleum Helicopters Inc. crash, Gulf of Mexico, off coast of LA -- 12
16. 1977 -- Oct 21, USMC Sikorsky helicopter crash with troops, Mindoro, Philippines -- 24
17. 1977 -- Dec 08, PHI helicopter hits oil rig crane, Gulf of Mexico, near Marsh Island, LA-- 17
- 1978 -- Sep 04, church-hired helicopter crashes into churchyard festival, Derry, PA -- 8
- 1979 -- Jan 17, helicopters collide (four on USCG) & 1 on civilian, Opa-Locka, FL -- all 5

18. 1980 -- Aug 06, Air Logistics helicopter with oil platform workers crash, off Houma, LA--13
19. 1982 -- Sep 11, USAF Chinook crash, airshow, near Mannheim, Germany --46, U.S. 7-8
- 1983 -- July 10/11, US Army CH-47 Chinook helicopter crash, South Fox Island, MI -- 6
20. 1984 -- Mar 24, USMC helicopter crash into Mt., 24M north of Pohang, So. Korea --18 of 29
21. 1985 -- Mar 13, US Army Black Hawk (technical failure?) crash, Fort Bragg, NC --all 12
22. 1985 -- May 06, USMC CH-53D helicopter crash off Yakushima into Sea of Japan -- 17
23. 1985 -- Oct 15, USMC Sea Knight helicopter off USS *Guadalcanal* crash, Onslow Bay, NC--15
24. 1986 -- June 18, Grand Canyon Air & Helitech helicopter collide, Grand Canyon, AZ -- 25
- 1986 -- Aug 29, USN CH-46 helicopter crash, carrier USS *Saipan* off Bodoe, Norway-- 8
25. 1987 -- June 22, US Army helicopter reservist training flight crash, Ft. Hood, TX --all 10
26. 1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15
27. 1988 -- Feb 25, Ft. Hood Army Chinook helicopter engine failure and crash, Chico, TX-- 10
28. 1988 -- Mar 08, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN¹⁰⁹ -- 17
29. 1988 -- Oct 25, USMC CH-46/UH-1N helicopters crash, Goldwater Gun. Range, AZ -- 10
30. 1989 -- Mar 20, USMC Sea Stallion Helo engine mal./crash, Mt., ~Pohang, So. Korea-- 19
31. 1989 -- May 29, USMC CH46 Sea Knight helicopter crash, trng. exercise, off Okinawa-- 14

¹⁰⁸ Additionally four US Marines were killed in combat (1) or captured and executed by the Khmer Rouge (3).

¹⁰⁹ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

Helicopter Events – Chronological (continued):

32. 1990 -- Feb 21, two USA 'copters crash (Iroquois/9, OH-58/2) ~Punta Diego, Panama Canal--11
33. 1992 -- Oct 29, USAF Pave Hawk helicopter crash ~Antelope Island, Great Salt Lake, UT--12
1996 -- Mar 07, US Army Chinook from Fort Campbell crashes near Olmstead, KY -- 5
34. 1996 -- May 10, two U.S. Marine helicopters collide. Camp LeJeune, NC -- 14
1996 -- June 18, US Army transport helicopters collide and crash, Fort Campbell, KY -- 6
35. 1998 -- Sep 4, two USAF Pave Hawk helicopters (6&6) collide at night, Nellis Range NV--12

36. 2000 -- Apr 08, USMC Tilt-rotor Osprey V-22 crash, Marana Airport near Tucson, AZ-- 19
37. 2002 -- Feb 22, US Army Chinook crashes at sea, exercise off Dumaguete Philippines--all 10
38. 2003 -- Mar 11, US Army Blackhawk helicopter crash, Fort Drum, NY -- 11
39. 2004 -- Mar 23, helicopter crash, Gulf of Mx., flying to oil rig ~60M off Galveston, TX-- 10
40. 2005 -- Apr 06, US Army Chinook crash in sandstorm near Ghazni, Afghanistan --all 18
2008 -- Dec 11, air taxi/commuter helicopter crash, Gulf of Mexico, Sabine Pass, TX -- 5
2009 -- Jan 04, Sikorsky helicopter hits hawk after takeoff, crashes near Morgan City, LA-- 8
2009 -- Aug 09, private plane and helicopter collide, Hudson River, off Hoboken, NJ -- 9
41. 2009 -- Oct 26, US Army Chinook crash, dirt blown up from takeoff, anti-drug op., Afghanistan--10
2009 -- Oct 29, USMC helicopter and USCG C-130 collide, near San Clemente Is., CA-- 9

42. 2015 -- Mar 10, U.S. Army Blackhawk helicopter crash, Gulf off Navarre Beach, FL -- 11
43. 2016 -- Jan 14, two USMC helicopters crash off Haleiwa, Oahu, HI -- 12
2023 -- Mar 30, USA Black Hawk helicopters collide, night training, Cadiz, Trigg Co., KY--9

AVIATION Disasters Subset -- MILITARY Craft and Charters -- By Mortality

1. 1985 -- Dec 12, crash, US mil. charter, Arrow Air #1285, Gander, Newfoundland, Can.-- 256
2. 1975 -- Apr 04, Operation Babylift C-5 crash ~Tan Son Nhut AB, Vietnam --50-52US of 155
3. 1953 -- June 18, USAF Globemaster II crash, Tachikawa AFB, Tokyo, Japan¹¹⁰ -- 129
4. 1962 -- Mar 15, MATS charter Flying Tiger #739 disappears, Philippine Sea --104 US of 107
5. 1952 -- Dec 20, USAF Globemaster II cartwheels on takeoff, Larson AFB, WA -- 87
6. 1965 -- June 25, USAF Stratolifter crash after takeoff, Loma Ridge, El Toro MCAS, CA --all 84
7. 1960 -- Sep 19, World Airways (Military Air Transport) crash/fire, Mt. Barrigada, Guam--80
8. 1964 -- May 11, USAF C-135 hits fence/crashes, landing, Clark U.S. AB, Philippines --79-80
9. 1961 -- Nov 8, Imperial Airlines (military charter), engine failure/crash/fire, Richmond, VA--77
10. 1933 -- Apr 04, dirigible crash, USS *Akron* (Navy ZRS-4), off Coast of NJ¹¹¹ -- 75

11. 1957 -- Mar 22, USAF MATS C-97C, Travis AFB CA to Tokyo, lost ~200M from Tokyo-- 67
12. 1955 -- Mar 22, USN R6D-1 flies into Waianae Range ~Lualualei Navy Depot, HI --all 66
13. 1955 -- Aug 11, two USAF C-119 Flying Boxcars collide over Edelweiler, Germany --all 66

14. 1956 -- Oct 10, USN MATS plane, 1st leg UK to Azores, lost ~250M SE Land's End, Eng.-- 59
15. 1965 -- Aug 24, USMC Lockheed Hercules takeoff crash into seawall, Hong Kong -- 59
16. 1951 -- Mar 22, USAF C-124A Globemaster lost after ditching, No. Atlantic, off Ireland--all 53
17. 1960 -- Dec 17, USAF C-131 Samaritan takeoff crash, Munich, Germany --(20 U.S.) 51-53
18. 1952 -- Nov 22, USAF MATS C-124 A Globemaster II crash, Mount Gannett, AK -- 52
19. 1971 -- June 6, Hughes Air 706 and Marine Corps Phantom II collide, Duarte, CA -- 50

20. 1958 -- Apr 21, United 736 and USAF F-100 fighter jet collide near Las Vegas, NV¹¹²-- 49
21. 1958 -- Feb 01, USAF C-118A/all 41 & USN P2V-5F/6 planes collide, Norwalk, CA -- 48
22. 1956 -- July 13, USAF takeoff/windshear crash, near Brown's Mills, NJ -- 46
23. 1966 -- Jan 25, USAF transport in-flight engine fire & crash ~Binh Khe, So. Vietnam -- 46
24. 1945 -- May 23, USAAF C-46 ambulance flight, engine fire/crash, Taillefontaine, France--44
25. 1945 -- Nov 3, USAAF C-54 wrong route crash, Himalayan Mts. ~Chukha, Bhutan, India--44
26. 1950 -- Jan 26, USAF SAC C-54 transport disappears, Yukon Territory, Canada -- 44
27. 1952 -- Nov 14, USAF C-119C Flying Boxcar flies into mt. (overcast), 20M E of Seoul, Kor.--all 44
28. 1953 -- July 17, USMC R4Q "Packet" plane takeoff crash and fire, near Milton, FL -- 44
29. 1962 -- Sep 10, USAF SAC tanker crash/Fairchild approach, Mt. Kit Carson ~Spokane, WA--44
30. 1951 -- Apr 25, Cubana Flight 493 & US Navy Beechcraft collide off Key West, FL --all 43
31. 1970 -- Oct 2, USAF C-130 transport plane crash into mountain near Taipei, Taiwan -- 43
32. 1954 -- Oct 30/31, USN Lockheed R7V transport plane disappears off Ocean City, MD-- 42
33. 1968 -- Jan 08, USMC helicopter flies into mountain, fog/light rain, ~Quang Tri, S. Vietnam--all 42
34. 1947 -- May 29, USAAF C-54 approach crash near Atsugi Air Base, Japan --all 41
35. 1953 -- Jan 07, Associated Air Transport (mil. charter) crash/turbulence, W of Fish Haven, ID--all 40
36. 1956 -- Feb 17, USN DC-4 flies into terrain, USN crew/5; USMC/35 ~Niles, CA --all 40

37. 1950 -- July 23, USAF C46 with 31 TN NG, loses aileron on takeoff, crashes, Myrtle Beach, SC--all 39

¹¹⁰ Included in that this was the first aviation disaster anywhere to kill more than 100 people.

¹¹¹ 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.

¹¹² 47 were civilian fatalities on United 736.

38. 1950 -- Dec 19, USAF Douglas C-54G transport crash, Mt. Tabayoc, Luzon, Philippines--all 38
39. 1945 -- Mar 10, USAAF C-46 med. evac. flight mt. crash ~Tanauan Airfield, Leyte, Philippines-- 37
40. 1951 -- July 21, Canadian Pacific Air (US military charter), lost, Gulf of AK near Sitka-- 37
 --26 US servicemen
 -- 3 civilians attached to the US Army
 -- 6 Canadian crew
 -- 2 Royal Canadian Navy personnel
41. 1952 -- Nov 28, USAF Douglas C-54 aborted approach crash ~McChord AFB/Tacoma, WA--37
42. 1971 -- Aug 18, USAF Chinook helicopter loses blade/crashes ~Pegnitz, W. Germany--all 37
43. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia-- 37
 May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand¹¹³ --23
 May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
 May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
44. 1951 -- Nov 13, USAF C-82 Flying Boxcar crashes into Puy de Sancy Mt., France --all 36
45. 1952 -- Jan 19, NW Orient 324 (US mil. charter), crash, Korea-WA, off Sandspit BC -- 36
46. 1943 -- Jan 15, USAAF C-54 (TWA contract), plane crash, Dutch Guiana [Suriname] -- 35
47. 1950 -- Apr 21, off-course USAF C54 flies into Mt. Hirugatake at night ~Atsugi, Japan --all 35
48. 1953 -- Mar 20, Transocean Air 942 (military charter) approach crash, NE of Alvarado, CA--all 35
49. 1954 -- Feb 01, USAF C46 fire and crash, Tsugaru Strait, off Hokkaido, Japan -- 35
50. 1960 -- Feb 25, USN R6D & Brazilian DC-3 collide off Rio de Janeiro, Brazil--35/USN of 61
51. 1967 -- June 17, USAF C-130 aborted take-off crash, An Khe airstrip, South Vietnam -- 35
52. 1996 -- Apr 03, USAF plane crash (Sec. Com. Ron Brown) ~Dubrovnik, Croatia -- 35
53. 1922 -- Feb 21, dirigible *Roma* crashes, Hampton Roads Naval Base, VA -- 34
54. 1943 -- Feb 18, Boeing XB-29 crash into Frye Packing Plant, fire, Seattle, WA¹¹⁴ --32-34
55. 1945 -- Feb 04, USAAF C-46 Commando on-board fire, crash ~55M NW Jorhat, India-- 34
56. 1946 -- Dec 10, USMC R5C-1 transport flies into So. Tahoma Glacier, Mt. Rainier, WA-- 32
57. 1945 -- Apr 23, USAAF B-17 taking on-leave troops to Ireland, crash ~Ramsey, Isle of Man-31
58. 1945 -- May 6, USAAF C-46 carrying litter patients, hits radar towers, Gibbets Hill, UK-- 31
 --30 on C-46 44-77839 (all), Gibbets Hill, Hindhead, Surry, England
 -- 1 Canadian soldier manning the radar tower station
59. 1969 -- Apr 15, USN EC-121M patrol plane shot down by No. Korea MiGs, Sea of Japan-- 31
60. 1945 -- Sep 06, USAAF C-47, intra-Philippine flight reportedly explodes ~San Jancinico Strait--30
61. 1946 -- June 01, USAAF C-54 cockpit fire, loss-of-control, crash off Amalfi, Italy -- 30
62. 1965 -- Jan 16, USAF tanker crash after takeoff into homes, fire, Wichita, KS¹¹⁵ --29-30

Military Craft – Aviation Disasters Subset of Aviation List –By Mortality (continued):

63. 1960 -- Sep 22, USMC R5D engine fire/fuel tank explodes/crash 180M off Naha, Okinawa--29
64. 1944 -- Aug 03, USAAF Douglas D-47 plane crash in thunderstorm, Napier, NE -- 28
65. 1946 -- May 10, two USN PB4Y-2 bombers collide when “attacked” in exercise ~Munson, FL-28
66. 1951 -- Dec 30, USAF C-47 transport flies into mountain near Roosevelt, AZ --all 28
67. 1955 -- Nov 17, Peninsular Air Transport (mil. charter) takeoff crash, Seattle-Boeing Field, WA--28

¹¹³ Additionally four US Marines were killed in combat (1) or captured and executed by the Khmer Rouge (3).

¹¹⁴ Though the Boeing employees were civilians, they were under contract to the military for a military bomber.

¹¹⁵ Difference in numbers has to do with inclusion or not of death of unborn child.

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

68. 1945 -- Mar 03, USAAF C-47 transport too-low landing turn crash, Ledo Airfield, India-- 27
69. 1945 -- Dec 05, 5 USN Avengers and USN Mariner search plane lost off east FL coast-- 27
 --14 Flight 19; 5 USN torpedo bombers lost ~100M ENE, Banana River NAS, FL
 --13 USN PBM-5 Mariner search plane lost ~25M SW off Cape Canaveral, FL
70. 1966 -- Nov 26, USAF C-47D loses left engine power, crashes ~Saigon, Vietnam --all 25-27
71. 1982 -- Mar 19, USAF KC-135 Tanker Explosion / Crash near Wonder Lake, IL -- 27
72. 1982 -- Apr 13, USAF C-130 Hercules transport wing failure/crash ~Gevenlik, Turkey-- 27
73. 1991 -- Mar 21, mid-air collision, US Navy P-3C's, SW off San Diego, CA -- 27
74. 1992 -- Mar 22, USAir 405, ice on wings, crashes on takeoff, LaGuardia, NYC -- 27
75. 1944 -- July 26, US Army AF Douglas C-54 plane crash off Greenland -- 26
76. 1945 -- Nov 01, too-low USAAF C-47 hits mountain near Bad Herrenalb, Germany -- 26
77. 1946 -- Mar 19, USAAF C-47 structural failure and crash, near Hobart Mills, CA -- 26
78. 1950 -- Sep 19, USN takeoff plane crash 1.6M off Kwajalein NAS, Marshall Islands -- 26
79. 1954 -- Aug 27, USAF RB-36 landing approach crash 2M ~Ellsworth AFB, Rapid City, SD-- 26
80. 1958 -- Mar 07, USMC transport plane and Skyraider collide off Naha NAF, Okinawa-- 26
81. 1962 -- May 22, USN WV2 radar intel. plane break-up/crash ~Markt Schwaben, Germany-- 26
82. 1994 -- Apr 14, 2 USAF F-15s shootdown 2 USA Black Hawks, Northern Iraq --15US of 26
83. 1942 -- Sep 22, eight USAAF planes crash or collide, CT, FL (3), GA, ME (2), PA -- 25
84. 1943 -- Sep 20, military transport crash, Laurinburg-Maxton Army Air Base, NC -- 25
85. 1943 -- Dec 29, mid-air collision, two USAAF B-24's, near Lakeside, UT -- 25
86. 1944 -- Aug 28, USAAF Douglas C54A plane crash, Prestwick, Scotland --20 US of 25
87. 1944 -- Nov 19, USAAF C-47A plane crash near Brighton and Lewes, England --24 US/25
88. 1945 -- Apr 20, USAAF C-47 breakup and crash in thunderstorm, near Sweetwater, TX-- 25
89. 1945 -- May 04, four USN/USAAF aircraft crash, three in CA, one ~Caylor, VA -- 25
 --4 USN Beechcraft AT-11 hits Cumberland Mt. flying low, heavy fog near Caylor, VA
 --7 USN PBY-5A Catalina hits hillside in initial climb ~Ft. Baker SF Bay area, CA
 --6 USAAF B-26 engine cutting out after takeoff, crash Hwy-41, Pinedale, CA
 --8 USAAF B-24J March Field takeoff crash about 8M NW near Edgemont, CA
90. 1945 -- June 23, USAAF C-47 crash 17.5M SSE of Ledo Airfield, India, in Burma --all 25
91. 1945 -- Sep 10, B-24 Liberator with freed POWs crashes, Taitung, Taiwan --16 US of 25
92. 1945 -- Nov 30, USN PV4Y-2 plane missing, NAS Kodiak, AK to NAS Seattle, WA -- 25
93. 1946 -- July 09, USAAF B-17 hits Mount Tom, too-low approach, Westover AFB ~Holyoke, MA--25
94. 1950 -- July 27, USAF C-47 crash, Pacific, after takeoff 10M S of Oshima Island, Japan-- 25
95. 1952 -- Oct 16, USAF C-46D transport crash, Sea of Japan off Gangwon-do, So. Korea-- 25
96. 1967 -- Mar 10, USN DC-3 wing failure/crash, admin. flight ~Phan Rang, Vietnam --all 25
97. 1944 -- Oct 18, USAAF B24H plane crash, near Birkenhead, Merseyside, England -- 24
98. 1945 -- Feb 13, USN transport crash, wing hits water, early AM takeoff, off Alameda, CA-- 24
99. 1945 -- Nov 9, USAAF C-47 AP approach crash at night, poor weather, Palermo, Italy-- 24
100. 1946 -- Feb 5, USAAF C-47 crash, Negros Island mountainous terrain, Philippines --20-24
101. 1946 -- Dec 10, USAAF C-46 takeoff crash near Itami US Air Base, Osaka, Japan--all 23-24

- 102. 1968 -- Oct 3, USAF transport & US Army helicopter collide over Camp Evans, S. Vietnam --all 24
- 103. 1971 -- June 13, USAF C-135B monitoring French nuclear test, crashes, No. Pacific--all 24
- 104. 1973 -- Aug 28, USAF Military Airlift Command transport crash near Hueva, Spain-- 24
- 105. 1977 -- Oct 21, USMC Sikorsky helicopter crash with troops, Mindoro, Philippines -- 24
- 106. 1994 -- Mar 23, USAF C-130 & F-16 collide, F-16 hits troops on ramp, Pope AFB, NC--24
- 107. 1995 -- Sep 22, USAF AWACS Sentry bird strike crash, Elmendorf AFB, AK -- 24

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

- 108. 1945 -- Feb 2, Florence to Rome USAAF C-47 mt. crash in fog 3M W of Montieri, Italy--23
- 109. 1945 -- Sep 15, USAAF C-47B takeoff crash (from Fairfax Field, Kansas City, KS), MO-- 23
- 110. 1946 -- June 9, USAAF C-54 hits terrain 500ft below approach altitude, Taboga Isl., Panama-- 23
- 111. 1946 -- Nov 16, US Army Air Force DC-47 crashes into Pacific 15M off Iwo Jima --all 23
- 112. 1947 -- Dec 10, USAF C-54 crash after takeoff & emer. lndg. request ~Goose Bay, Labrador, Can.--23
- 113. 1950 -- Sep 26, USAF C-54D takeoff crash 1 mile off Asiya Air Base, Kyushu, Japan-- 23
- 114. 1951 -- May 06, USAF B-36 landing crash, high wind, Kirtland AFB ~Albuquerque, NM--23
- 115. 1953 -- Mar 18, 10-eng. USAF Convair RB-36H flies into hilltop, Random Isl., Nfld., Can.--all 23
- 116. 1961 -- Jan 26, USAF C-118 Liftmaster explosion/crash off Argentia, Newfoundland-- 23
- 117. 1967 -- Oct 08, USAF turboprop flies into mountain ~Huong Thuy, South Vietnam --all 23
- 118. 1968 -- Oct 21, USAF transport plane engine loss/crash ~Ban Me Thuot, So. Vietnam--all 23
- 119. 1975 -- May 13, USAF Sikorsky helicopter crash, *Mayaguez* support mission, Thailand--23
- 120. 1976 -- Aug 28, USAF C-41 plane crash/lndg., Soendre Stromfjord AFB, Greenland¹¹⁶13US/23
- 121. 1981 -- Feb 26, USAF MC-130 plane crash, off NAS Cubi Point, Philippines --(17 US) 23

- 122. 1942 -- Oct 01, USAAF C-39 transport plane crash near Caomo, Puerto Rico -- 22
- 123. 1943 -- Sep 10, two USAAF B-17's collide mid-air off Galveston, TX -- 22
- 124. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI¹¹⁷ --20-22
- 125. 1944 -- July 27, USAAF C47A plane crash, Isle of Mull, ~Port Logan, Scotland --21US/22
- 126. 1945 -- Nov 08, two US Navy PBM Mariners collide mid-air, Corpus Christi Bay TX-- 22
- 127. 1957 -- Feb 22, USAF C-124A transport engine explodes after takeoff/crash lands ~Yanggong-ni S. Korea--22
- 128. 1958 -- Feb 20, USN WV2 early warning plane lost ~100M west of the Azores --all 22
- 129. 1967 -- Jun 23, USMC helicopters collide, New River Marine Corps Air Facility, NC-- 22

- 130. 1942 -- July 01, US Army AF Douglas C-49E plane crash, near Premier, WV -- 21
- 131. 1945 -- Jan 15, USN R4D-5 & USAAF Stinson collide on runway, Tacloban AP, Philippines--21
- 132. 1945 -- May 05, USAAF C-54 crash into bluff upon takeoff, Manus Island, New Guinea--21
- 133. 1945 -- May 13, USAAF "Shangra-La" sightseeing plane crash, Mt., New Guinea -- 21
- 134. 1945 -- May 30, USAAF C-47B crash (18 WACs, 3 crew) off Sassandra, Ivory Coast-- 21
- 135. 1951 -- Apr 08, West VA National Guard plane flies into ground ~Charleston, WV --all 21
- 136. 1954 -- Oct 24, USAF C47A transport, Rome to Lyon, flies into Maritime Alps, Italy-- 21
- 137. 1966 -- May 04, US Army Chinook helicopter rotor loss, crash, ~Di Linh, So. Vietnam--all 21
- 138. 1981 -- May 06, USAF EC-135N Crash, Walkersville, near Frederick, MD -- 21
- 139. 1985 -- Jan 22, USAF plane crash in sea on approach to Trujillo Airport, Honduras -- 21
- 140. 2001 -- Mar 03, USAF C-23 plane crash (VA NG (18) FL ANG (3)), Unadilla, GA -- 21

¹¹⁶ 13 immediate US deaths and 8 Greenland (Dutch) passengers. Two more died about two weeks later..

¹¹⁷ Cross-listed under Explosions.

141. 1942 -- Apr 3, 7 USAAF planes crash: Strevell, ID; Barksdale Field, LA; Elizabeth City, NC; West Greenwich, RI; Lexington Airfield, Shaw Field, SC; Espiritu Santo Bay, TX-- 20
142. 1943 -- Sep 22, US Army Air Force C-53 plane crash, near Calcutta, India -- 20
143. 1943 -- Oct 22, US Army Air Force C-47 crash, Lawson Field, Ft. Benning, GA -- 20
144. 1945 -- Sep 28, USAAF C-46 crash 20 miles southeast of Chihkiang, China -- 20
145. 1945 -- Nov 11, USAAF B-17G, Marseille to Athens, icing crash, Mount Meta, Italy-- 20
146. 1946 -- July 20, two USAAF B-17G search planes collide off Coiba, Panama -- 20
147. 1947 -- Aug 06, US Navy PBY-5A plane disappears, Kodiak to Dutch Harbor, AK -- 20
148. 1947 -- Nov 28, off course USAF C-47 flies into Mt. Carbone, Alps near Cuneo, Italy-- 20
149. 1947 -- Dec 11, USAF C-47 airport approach crash near Memphis, TN --all 20
150. 1949 -- Jan 17, USAF B-29 crash, Argyllshire mts. (icing?) ~Lochgoilhead, Scotland-- 20
151. 1952 -- Nov 15, USAF C-119 Flying Boxcar disappears, Anchorage to Kodiak, AK --all 20
152. 1954 -- Mar 04, USAF C47 flies into mountain in snowstorm ~St.-Étienne-de-Tinée France-- 20
153. 1957 -- Feb 01, Northeast Flight 823 takeoff crash, Rikers Island, NY -- 20
154. 1977 -- Sep 14, USAF EC-135K crash, Mt., Manzano range, ~Albuquerque, NM -- 20

Military Craft – Aviation Disasters Subset of Aviation List (continued):

155. 1943 -- Jan 21, Pan Am 1104 (USN transport) crash, Mt. ~Boonville & Ukiah CA -- 19
156. 1944 -- Feb 12, USAAF B-25's collide, near Army Air Base, Greenville, SC -- 19
157. 1944 -- Apr 28, Navy R4D transport plane crashes, Anderson Mesa, northern AZ -- 19
158. 1944 -- July 11, military plane crash and fire in fog, trailer camp, S. Portland, ME¹¹⁸-- 19
159. 1944 -- Sep 18, USAAF Douglas C-47 crash, Denali State Park, ~Talkeetna, AK -- 19
160. 1945 -- Oct 21, USAAF C-47 landing crash in wind gust 2M east of Anchorage, AK-- 19
161. 1945 -- Dec 08, Northwest Air, C-47 USAAF charter, AP approach crash, Billings, MT--19
162. 1946 -- Mar 23, USAAF C-47 flies into Mount Banahao/Banahaw, Leyte, Philippines-- 19
163. 1948 -- Nov 03, USAF B-29 crash after takeoff near Lajes Field, Azores, Portugal -- 19
164. 1950 -- Aug 5, USAF B-29 with nuke component crash & explos. ~Fairchild-Suisun AFB, CA--19
--12 of the 20 B-29 flight crew
-- 7 on ground fire-fighting/rescue personnel
165. 1952 -- Nov 7, USAF C-119C Flying Boxcar crash (navigational error) ~Mt. McKinley, AK--19
166. 1953 -- Aug 5, USAF Peacemaker engine fires/ditched, Atlantic ~420M NW Prestwick Scotland--19
167. 1953 -- Dec 17, USAF B-29 takeoff engine loss, crash into housing, Anderson AFB, Guam--19
168. 1957 -- Dec 23, USN WV-2 simulation goes awry/crash, off Kahuku Pt., Oahu, HI -- 19
169. 1958 -- Sep 02, USAF Globemaster fire and crash, 35m west, Agana Naval AS, Guam-- 19
170. 1958 -- Oct 09, USAF C-123B transport crash near Little Willow Creek & Payette, ID-- 19
171. 1966 -- Nov 11, USAF Constellation plane crash, Atlantic, east of Cape Cod, MA -- 19
172. 1968 -- Jan 10, USMC R5D-2 (C54) plane crash, Mt. Tobin, Copper Canyon, NV -- 19
173. 1969 -- June 05, USAF reconnaissance plane crash (structural?), Bering Sea off Shemya, AK--19
174. 1989 -- Jan 31, USAF SAC tanker plane crash, Dyess Air Force Base, TX -- 19
175. 1989 -- Mar 20, USMC Sea Stallion Helo engine mal./Crash, Mt., ~Pohang, So. Korea-- 19
176. 2000 -- Apr 08, USMC tilt-rotor Osprey V-22 crash, Marana Airport ~Tucson, AZ -- 19
177. 1943 -- May 15, USAAF C-47 plane crash in fog, Ginger Cake Mountain, NC¹¹⁹ -- 18

¹¹⁸ Cross-listed under Fog as contributing condition.

178. 1943 -- Nov 18, USN transport plane crash, 30mi. E of Rio De Janeiro, Brazil--17US of 18
179. 1943 -- Dec 13, USN PBM-3S, VP-213, BuNo 48126 lost on patrol off NC Coast -- 18
180. 1944 -- June 06, USN PB4Y-1 takeoff crash into building, Camp Kearney, CA --17-18
181. 1944 -- Aug 21, USAAF B-24J planes collide, near Model, CO -- 18
182. 1944 -- Nov 06, USN planes collide, St. Johns River near NAS Jacksonville, FL -- 18
183. 1944 -- Nov 30, USAAF B-24 planes collide near Davis-Monthan AAF, Tucson, AZ-- 18
184. 1945 -- May 06, two USAAF B-17 planes collide, near Esler Field, Alexandria, LA -- 18
 --9 Boeing B-17F Fortress #42-5355
 --9 Boeing B-17G Fortress #42-31948
185. 1945 -- Aug 17, two USAAF B-29s collide at night, 3M west of Weatherford, TX -- 18
 --9 USAAF Boeing B-29 Superfortress, 42-93895
 --9 USAAF Boeing B-29 Superfortress, 44-86276
186. 1945 -- Nov 03, Consolidated Air, Army transport contractor, crash, 450 mi NE of HI-- 18
187. 1949 -- Nov 16, two USAF B-29 Superfortresses collide over Stockton area, CA -- 18
 --9 USAF Boeing B-29 Superfortress, 44-69939
 --9 USAF Boeing B-29 Superfortress, 44-86364
188. 1952 -- Feb 07, USAF B-29A takeoff crash, 5 miles NW of Yokota US AB, Japan -- 18
 --13 Complement of the Boeing B-20A Superfortress (all).
 -- 5 Civilians on the ground.
189. 1954 -- Mar 19, plane fire and crash, USAF C-119, #51-7993, near Lothian, MD -- 18
190. 1958 -- Mar 27, USAF C-119 & USAF C-124C collide mid-air, ~Bridgeport, TX --all 18
191. 1959 -- June 30, U.S. Air Force F-100 jet crashes into school, Ishikawa, Okinawa¹²⁰-- 18
192. 1960 -- July 06, USN Airship (blimp) envelope tear and crash off Barnegat City, NJ-- 18
193. 1961 -- May 24, USAF Globemaster power loss crash after takeoff, McChord AFB, WA-- 18
194. 1965 -- June 15, two US Army helicopters collide mid-air, Fort Benning, GA --all 18
195. 1969 -- Apr 25, USAF Lockheed EC-121 crash after takeoff, severe wind ~Korat Airbase, Thailand-18
196. 1976 -- Aug 28, USAF crash, severe thunderstorm rips wing, near Peterborough, UK-- 18
197. 1980 -- Mar 14, USAF C130 wing explosion and crash near Yenice, Cilicia, Turkey-- 18
198. 1984 -- Feb 29, USAF C-130 Hercules plane crash, near Borja, Spain --(17 US) of 18
199. 1984 -- Mar 24, USMC helicopter crash into Mt., 24M no. of Pohang So. Korea --18 of 29
200. 2005 -- Apr 06, US Army Chinook crash in sandstorm near Ghazni, Afghanistan --all 18

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

201. 1942 -- May 3, 3 USAAF crashes Or/WA, Meacham, Pleasant Val., OR; McChord Field, WA--17
202. 1943 -- Oct 25, Two USAAF B-24H planes collide, near Milligan, NE -- 17
203. 1943 -- Dec 19, two USAAF B-24s crash -- near Sausalito, CA and near Burley, ID -- 17
204. 1944 -- Feb 18, USAAF B-24's collide, near Williams Field, AZ -- 17
205. 1944 -- Aug 01, two USAAF B-24s collide near Furnace Creek, Death Valley, CA -- 17
206. 1944 -- Aug 05, USAAF B17G's collide, near Dixon, NE -- 17
207. 1944 -- Nov 11, US Air Transport Command C-54 crashes 50 miles off Oahu, HI -- 17
208. 1944 -- Dec 7, USAAF AT-18 transport takeoff crash/fire, Omaha Municipal AP, NE-- 17
209. 1944 -- Dec 25, USAAF C-47 plane crash, Black Mesa Mt., Quartzsite, AZ -- 17
210. 1945 -- June 14, USAAF C-46D crash (apparent lightning strike), 6M SE Oakridge, MS-- 17

¹¹⁹ Cross-listed under Fog as contributing condition.

¹²⁰ All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.

- 211. 1945 -- July 18, USN PB4Y-2 Privateer missing, training flight out of NAS Miami, FL--15-17
- 212. 1945 -- Dec 04, USAAF C-47 missing, Monrovia Liberia for Johannesburg, Africa coast--17
- 213. 1946 -- Apr 08, USAAF C-47 Yan'an approach crash, Mt. Hei Cho, ~Shensi, China --all 17
- 214. 1948 -- Aug 20, USAF B-29 engine fire, takeoff attempt, crash, Rapid City AFB ~Rapid City, SD-17
- 215. 1954 -- June 09, USN PBM Mariner crash, Yakushima Island mt. peak, SW Japan --all 17
- 216. 1956 -- Mar 2, USAF C124C Globemaster II/enroute US, engine prob., ditched off Iceland--all 17
- 217. 1958 -- Sep 02, USAF C130A shot-down by MiGs over Sasnashen, Armenia, USSR--all 17
- 218. 1964 -- Apr 18, two USAF C119 Flying Boxcars collide 6M NE, Clinton County AFB, OH-- 17
- 219. 1964 -- June 29, USAF Stratofreighter & USAF C54 collide ~Kindley US AFB, Bermuda--17
- 220. 1985 -- May 6, USMC CH-53D helicopter crash into Sea of Japan off Yakushima -- 17
- 221. 1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN¹²¹ -- 17
- 222. 1992 -- Feb 6, KY ANG C-130 Hercules crash, Hotel/Rest. complex, Evansville, IN-- 17

Aviation Disasters -- MILITARY Craft Subset -- By Mortality (continued):

- 223. 1942 -- Aug 15, US Army AF C-53 plane crash, near Garnet Peak, Peru, MA -- 16
- 224. 1943 -- June 26, six USAAF plane crashes/collisions, CA (2), FL (2), ME, SC -- 16
- 225. 1943 -- Dec 14, USAAF B-24J plane crash, near Omaha, NE -- 16
- 226. 1945 -- Jan 09, USAAF B-29 lost at sea (Atlantic?), Pratt AAF KS to Puerto Rico -- 16
- 227. 1945 -- Jan 24, two USAAF B-17Fs in flight of five collide/crash ~5M NE of Dyersburg, TN-16
- 228. 1945 -- Mar 03, USAAF C-47 Prestwick-Orly AP approach crash, NW of Paris, France--all 16
- 229. 1945 -- Mar 5, bomber/fighter collide, Kissimmee FL; C-60A crash into hangar, Dayton OH-- 16
 --8 USAAF bomber/fighter takeoff/landing runway collision Kissimmee AAF, FL
 --8 Pilot loses control of C-60A Lodestar on takeoff, crashes into hangar; explodes
- 230. 1945 -- Nov 13, ANA C-49 with USAAC passengers, crashes off Tacloban AP Philippines--16
- 231. 1947 -- Apr 19, USAF B-29 takeoff engine fire/explosion/crash, off Kwajalein Island-- 16
- 232. 1948 -- Aug 24, USAF B-29 engine loss on takeoff, emer. Indg. crash Hickam AFB, HI-- 16
- 233. 1949 -- July 30, Navy Hellcat hits Eastern Airlines #557, both crash ~Chesterfield, NJ-- 16
- 234. 1950 -- May 18, USAF B-29 engine problem, emer. Indg. crash, Lajes Field, Azores--all 16
- 235. 1950 -- July 13, USAF B-50 plunges to earth/unknown cause, ~Mason, Lebanon, OH --all 16
- 236. 1952 -- Oct 29, USAF Stratofreighter plane crash, Gray Mountain, near Flagstaff, AZ-- 16
- 237. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan¹²² -- 16
- 238. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
- 239. 1956 -- Sep 10, Yokota AB USAF RB50G lost tracking Typhoon Emma, Sea of Japan-- 16
- 240. 1957 -- July 16, USAF C47 crash, Mount Cha Tien near Hsinchu Taiwan --all 16
- 241. 1958 -- Feb 15, USAF C-47 transport plane crash in fog on Mt. Vesuvius, Italy --all 16
- 242. 1960 -- Jan 19, USN P4M Mercator plane crash, Karanfil Mt. near Adana, Turkey --all 16
- 243. 1965 -- July 11, USAF Constellation engine fire, crash, ~100 miles off Nantucket, MA-- 16
- 244. 1969 -- Aug 04, USN C47 plane crash, Andes Mountains near Los Quenes, Chile --all 16
- 245. 1973 -- Apr 12, NASA Convair and NAVY P-3C Orion planes collide, Sunnyvale, CA--16
- 246. 1975 -- Mar 20, USAF transport plane crash, Olympic Nat. Park, Mt. Constance, WA-- 16
- 247. 1975 -- Sep 26, USAF Sikorsky CH-53 helicopter crash, east of Paderborn, Germany-- 16
- 248. 1977 -- Jun 21, USN TACAMO EC130Q Hercules takeoff crash, off Wake Island -- 16
- 249. 1978 -- Oct 06, USN C-118 transport crash into hill in fog near Santiago, Chile -- 16

¹²¹ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

¹²² Cross-listed in Violence (Attack).

250. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

251. 1942 -- Jan 14, five USAAF planes crash, AL, ID, NH, TX, VA -- 15
252. 1942 -- Mar 05, 2 USAAF plane crashes, St. Lucie Riv., Port Sewall, FL; off NC/VA-- 15
253. 1942 -- Apr 29, four USAAF planes crash -- Kodiak, AK; Smyer, TX; Orlando, FL -- 15
254. 1943 -- May 08, USAAF C-47 plane crash, near Tinker Field, Oklahoma City, OK -- 15
255. 1943 -- May 13, USAAF B-24 planes collide, near Biggs Field, El Paso, TX -- 15
256. 1943 -- Aug 10, two Walla Walla USAAF bombers crash, ~Cecil, OR, Paterson, WA-- 15
257. 1944 -- July 21, three USAAF C-47s lost, Atlantic, 25M off Cape Fear, NC -- 15
258. 1944 -- Oct 08, USAAF B-29 plane crash, near Love Field, Dallas, TX -- 15
259. 1944 -- Nov 03, USAAF planes collide, near Kingman Army Air Field, AZ -- 15
260. 1944 -- Nov 10, USAAF B-29 plane crash, near Clovis Army Air Field, NM -- 15
261. 1945 -- June 13, USAAF B-24 flight to US crashes, Sidhean Mor ~Gairloch, Scotland-- 15
262. 1945 -- June 17, USAAF B-24, Wales to Azores crash at sea 60M off Finisterre, Spain-- 10
263. 1945 -- July 04, USAAF B-25 missing, mt. terrain, Chengjiang, China to Dinjan, India-- 15
264. 1945 -- July 05, USAAF B-17 bound for US, engine fire/ditches 150M NW Lajes Fld., Azores--15
265. 1945 -- Aug 25, off-course USAAF B-24J flies into mountain, SE of Tollgate, OR -- 15
266. 1945 -- Oct 30, USAAF C-47A plane crash into mountain near Cuneo, Italy --all 15
267. 1949 -- Jan 26, USAF B-29, Dakar, Senegal to Norfolk, UK, lost ~Canary Islands, Spain-- 15
268. 1952 -- Feb 22, USAF F84 trng. flight hits power lines/crashes, Tsu Bu vlg., S Kor./14 dead-- 15
269. 1952 -- Mar 12, two USAF B-29's flying blind collide ~Sequin and San Antonio, TX-- 15
 --8 USAF TB-29 Superfortress 44-62223
 --7 USAF TB-29 Superfortress 55-87774
270. 1952 -- Apr 04, planes collide, USAF Globemaster & C-47, Mobile, AL -- 15
271. 1952 -- Apr 15, USAF B-36 takeoff crash and fire, near Fairchild AFB, Spokane, WA-- 15
272. 1953 -- Feb 02, USAF B-29 Superfortress takeoff crash, Wheelus Field, Tripoli, Libya-- 15
273. 1953 -- Nov 10 USN PBM plane crash, sea ~Che Ju Isl. 40M SW of Jindo, So Korea --14-15
274. 1953 -- Nov 17, USAF C-119F loses engine, hits paratroopers, crashes, Fort Bragg NC-- 15
275. 1955 -- May 25, USAF B-36J breaks-up in severe thunder storm ~Sterling City, TX --all 15
276. 1958 -- June 27, USAF SAC tanker crash, near Chicopee falls, MA -- 15
277. 1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK-- 15
278. 1959 -- Nov 07, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
279. 1961 -- Apr 18, USAF C47, circling takeoff climb, foggy weather crash, Mt Parker, Hong Kong--15
280. 1962 -- Mar 08, USAF C-130A Hercules Plane Crash near Alencon, western France-- 15
281. 1967 -- Apr 25, USAF Super Constellation engine fire and crash off Nantucket Isl., MA--15
282. 1976 -- Sep 26, USAF KC-135 Stratotanker (61-0296) plane crash, near Alpena, MI-- 15
283. 1985 -- Oct 15, USMC Sea Knight helicopter off USS *Guadalcanal* crash, Onslow Bay, NC--15
284. 1989 -- Mar 12, USAF CH-3C 'Copter crash 20 mls NW of Tucson, ~Marana, AZ -- 15

285. 1925 -- Sep 3, Navy Dirigible *Shenandoah* plane crash, Noble County, OH -- 14
286. 1942 -- Apr 12, two U.S. Navy bombers crash near Livermore, CA -- 14
287. 1942 -- June 04, US Army AF LB-30 plane crash, near Hamilton Field, CA -- 14
288. 1942 -- Aug 19, USN plane hits tugboat, Coco Solo Navy Base, Panama Canal Zone--12-14

289. 1943 -- Feb 05, two USAAF B-25 bombers collide in mid-air, Newberry, SC -- 14
 290. 1943 -- Aug 28, 3 US Army AF planes collide, near Army Air Base, Harvard, NE -- 14
 291. 1943 -- Oct 22, US Army AF B-17 plane crash, Arkansas River, near Ponca City, OK-- 14
 292. 1943 -- Oct 29, US Army AF B-24 plane crash, Atlantic off West Palm Beach, FL -- 14
 293. 1943 -- Oct 29, US Army AF C-47 plane crash, Hoffman-Mackall AAF, NC -- 14
 294. 1943 -- Dec 22, USAAF B-24 plane crash, near Morrison Field, West Palm Beach, FL-- 14
 295. 1944 -- Feb 16, USN Air Transport Unit flight missing, NAS Seattle to Kodiak, AK-- 14
 296. 1944 -- Jun 08, USAAF bombers collide, homes burn & kill civilians, Honolulu, HI-- 14
 297. 1945 -- Mar 10, USN PB4Y-1 lost, training flight NAS Jacksonville FL to Bahamas-- 14
 298. 1945 -- Apr 11, two USAAF TB-17Fs AP approach collision near Jackson AAB, MS-- 14
 299. 1945 -- May 05, USAAF B-17 crash, night, Charco Azul mts./hills SE of Cienfuegos, Cuba--14
 300. 1945 -- July 23, USAAF B-24 engine fire/separation, crash, Tarskavaig, Isle of Skye, Scot.-- 14
 301. 1945 -- July 28, B-25 bomber flies into Empire State Building in fog, NYC, NY¹²³ -- 14
 302. 1945 -- Sep 12, USN PB4Y-2 Privateer take-off engine fire/crash ~Master Field, Miami, FL-- 14
 303. 1945 -- Oct 31, US Navy R4D-7 transport crash in heavy fog, Rich Mountain, AR -- 14
 304. 1945 -- Dec 03, USAAF C-47B crash 10 miles SE of Carlos Pellegrini, Argentina --all 14
 305. 1947 -- Sep 19, USAF C-54 in-flight fire/crash 3.1M SW off Puerto San Juan, Peru -- 14

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

306. 1951 -- Apr 27, USAF F-51 Mustang jet hits USAF B-36, NE of Perkins, OK -- 14
 307. 1953 -- Jan 16, USAF C54 approach crash, Harmon AFB, Stephenville NFLD, Can. --13-14
 308. 1954 -- June 27, USAF KC-97G Stratotanker flies into Box Springs Mountain, CA --all 14
 309. 1955 -- Mar 06, USAF C-54 flies into mountain side and burns, ~Taitung, Taiwan --all 14
 310. 1955 -- Sep 24, five USAF planes crash (11 deaths), one Flying Tiger Line crash (3)-- 14
 --7 USAF SC-47D near Burns, WY
 --1 USAF F-84F Thunderstreak #51-17083, 22M E of Langley AFB, Hampton, VA
 --1 USAF F-84F Thunderstreak #52-6517, 5M NE of Langley AFB, Hampton, VA
 --1 USAF F-84F Thunderstreak #52-7029, Chesapeake Bay off Langley AFB, VA
 --1 USAF F-84F Thunderstreak #52-7038, 25M NE Langley AFB, Hampton, VA
 --3 Flying Tiger Line C-54A (military cargo contract), 1000M W of Honolulu, HI
 311. 1955 -- Nov 17, blown off course USAF DC-4 flies into top of Mt. Charleston, NV --all 14
 312. 1955 -- Nov 29, USAF F-84 (1) takeoff malfunction into base housing/13, Eielson AFB, AK--14
 313. 1963 -- Jan 30, US Navy ASW P-3A plane crash, ~250M off Atlantic City, NJ --all 14
 314. 1965 -- Aug 28, USAF C47 crashes into mount Cerro Calima near Cali Columbia --all 14
 315. 1967 -- Dec 14, USN P2V-7 Neptune plane crash ~Sea Otter Glacier, Mt. Fairweather, AK--14
 316. 1969 -- Dec 22, USN jet engine failure; crash kills ground personnel, Miramar NAS, CA-- 14
 317. 1972 -- June 03, Brunswick ME-based US Navy P-3 Orion plane crash, mt., Morocco-- 14
 318. 1973 -- Mar 08, US Army Golden Knights parachute team plane crash, Silk Hope, NC-- 14
 319. 1981 -- May 26, USN EA-68 Prowler plane crash, USS *Nimitz*, off Jacksonville, FL¹²⁴-- 14
 320. 1983 -- Apr 30, USN C-131 engine fire/crash, St. John's Riv., ~Jacksonville NAS, FL-- 14
 321. 1983 -- June 16, US Navy P-3B Orion (152720) plane crash into mountain, Kauai, HI-- 14
 322. 1989 -- May 29, USMC CH46 Sea Knight helicopter crash, trng. exercise, off Okinawa--14
 323. 1996 -- May 10, two U.S. Marine helicopters collide, Camp LeJeune, NC -- 14

¹²³ Cross listed in Fog as contributing condition.

¹²⁴ Cross-listed in Maritime.

324. 2015 -- Oct 2, USAF C130 takeoff crash, yoke blocked by pilot, Jalalabad AP, Afghanistan-- 11US of 14

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

325. 1942 -- Feb 11, four USAAF planes crash, Taft, Lemoore CA, Granby CT, WA -- 13
326. 1942 -- Feb 20, seven U.S. military planes crash, CA, Wash. DC, TX (2), WA (2) -- 13
327. 1943 -- Apr 23, USAAF B-26C planes collide, Army Air Base, Venice FL -- 13
328. 1943 -- June 25, US Navy plane crash, St. John River near Green Cove Springs, FL -- 13
329. 1943 -- July 19, USAAF C-53D plane crash, near Malcolm and Lincoln, NE -- 13
330. 1943 -- July 24, USAAF B-17A plane crash, near Army Air Base, Ephrata, WA -- 13
331. 1944 -- Jan 02, USAAF B-17G breakup, McClellan Field, Sacramento, CA -- 13
332. 1944 -- Jan 20, USN PB4Y-1 Liberator 32163 crash after takeoff, Camp Kearny, CA-- 13
333. 1944 -- Feb 03, USAAF B-26B planes collide, near Garland, AR -- 13
334. 1944 -- Feb 07, two USAAF planes crash, Parkton, NC and Wendover Field, UT -- 13
335. 1944 -- May 19, USN 32226 PB4Y-1 Liberator plane crash ~MCAS Cherry Point, NC-- 13
336. 1944 -- Nov 11, USAAF C-47B plane crash, Strawberry Peak, near Glendale, CA --12-13
337. 1944 -- Dec 05, USAAF P-47/B-24J planes collide near Walterboro AAF, SC -- 13
338. 1944 -- Dec 29, USAAF C-47A crash into hillside near Adak Army Air Base, AK --all 13
339. 1945 -- Jan 06, USAAF C-46 crash, Himalayan mt.-side, Arunachal Pradesh, NE India--all 13
340. 1945 -- Apr 19, USN R4D-5 crash in fog after takeoff, Gooseberry Hill, Australia --all 13
341. 1945 -- July 8, USAAF B-29 encounters thunderstorm/loses tail/crashes 20M ~Pueblo AAB, CO--13
342. 1945 -- July 13, USAAF B-24 enters severe turbulence, crash, Southport, ~Panama City, FL--13
343. 1945 -- July 14, USAAF B-29 crash after takeoff, sandstorm? ~Kirtland Fld., Albuquerque NM-13
344. 1945 -- July 25, thunderstorm, USAAF TC-47B wing fails/crash 13M NE of Tampa, FL-- 13
345. 1945 -- Aug 28, USAAF B-32 takeoff power loss, crash, runway-end pit, Yontan, Okinawa-13
346. 1945 -- Aug 1, USAAF B-17 bound for US, engine failure/ditches, Tyrrhenian Sea off W. Italy--13
347. 1945 -- Oct 18, USAAF TB-24J engine fire just after takeoff, crash ~Hondo AAF, TX-- 13
348. 1946 -- July 18, USAAF C-47 transport crash, in severe thunderstorm ~Goodland, KS-- 13
349. 1948 -- Aug 12, USAF B-29 goes out of control on takeoff climb, crashes 6M S Roswell NM--13
350. 1948 -- Nov 03, USAF B-29 bomber crash, Shelf Moor, near Manchester, England -- 13
351. 1949 -- Sep 26, USAF B-29 explosive decompression/crash near Talihina, SE OK --all 13

352. 1950 -- Apr 11, USAF B-29 crash, Manzano Nuclear Wpn. Storage Area ~Kirtland AFB, NM--13
353. 1950 -- Nov 16, USAF KB29 tanker and B-50 collide & crash ~Sil Nakya village, AZ-- 13
354. 1951 -- Aug 20, USAF T-33A crash after takeoff, hits Army truck/burns, Fort Dix, NJ-- 13
 -- 2 in the T-33A
 --11 Army soldiers on the ground
355. 1952 -- Aug 8, USN PBM Mariner seaplane crash, hilltop ~Nagahama, Ehime, Japan--all 13
356. 1952 -- Dec 1, USAF C47B flies into Mt. San Gorgonio, snowstorm, ~Banning, CA--all 13
357. 1954 -- Oct 06, USAF RB-50G plane crash and fire, near Willows, Glenn County, CA-- 13
358. 1955 -- Jan 17, USN C121 Super Constellation 2 engines out, crash off Stephenville NL Can--13
359. 1955 -- Sep 8, USAF B29 Superfortress crash, ocean so. of Ishigaki Island, Okinawa, Japan--13
360. 1957 -- Feb 02, two USAF KB-29P tankers collide, poor visibility, trng. mis. Morigny, France- 13
361. 1958 -- Sep 08, USAF B-52s collide on Fairchild AFB approach ~Airway Heights, WA--13
362. 1958 -- Sep 09, USAF Douglas C47 plane crash taking off, Elmendorf AFB, Anchorage, AK--13
363. 1962 -- May 17, USAF C130 Hercules flies into cloud shrouded mt., 20M W Nairobi, Kenya--13

364. 1962 -- Dec 26, USN P5M1 Marlin Seaplane lost at sea 350M SW of San Diego, CA-- 13
 365. 1964 -- Dec 04, USN P3A Orion fire, crash, 25M W off Luzon, Cubi Pt NAS, Philippines--13
 366. 1968 -- Jan 17, USAF Stratotanker takeoff plane crash, Minot AFB, ND -- 13
 367. 1969 -- Feb 05, USAF HC-130 rescue plane crash into sea ~100M south of Taiwan -- 13
 368. 1970 -- May 04, USAF Convair T-29D plane crash after takeoff ~Hamilton AFB, CA-- 13
 369. 1972 -- Dec 05, USAF C-130/12 crew, collides with SC ANG F-102, ~Conway, SC -- 13
 370. 1977 -- Dec 11, Brunswick NAS-based USN Orion crash, fog, Mt El Hierro, Canary Isl.-- 13
 371. 1990 -- Aug 29, USAF C-5A Galaxy plane crash, Ramstein U.S. Air Base, Germany-- 13
 372. 1992 -- Nov 30, two USAF C-141 transports collide mid-air, near Harlem, MT -- 13

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

373. 1940 -- June 17, two USAAF bombers collide/crash, Bellerose Manor, Queens, NY -- 12
 374. 1941 -- Nov 2, US Naval Patrol “Flying Boat” crash, mountain ~Krisuvik, Iceland -- 12
 375. 1942 -- Apr 02, six USAAF planes crash, Helena, AR; Planada, CA, Leary, GA;
 Savannah AB, GA; San Angelo, TX; Everett, WA -- 12
 376. 1942 -- May 12, 5 USAAF planes crash, Breckenridge, Blanchard, Waukomis OK, Paine Field, WA-- 12
 377. 1942 -- June 08, USN airships collide, *Defender/G-I*, Ocean, near Lakehurst, NJ -- 12
 378. 1942 -- Oct 23, American Air and U.S. Army B-4 bomber collide, Palm Springs, CA-- 12
 379. 1942 -- Dec 05, USAAF C-47 approach crash, ~Maxwell Field, Montgomery, AL -- 12
 380. 1942 -- Dec 30, U.S. Army Air Force B-17 plane crash, Musselshell, MT -- 12

 381. 1943 -- Jan 25, U.S. Army Air Force B-17 plane crash, New Albany, OH -- 12
 382. 1943 -- Feb 17, U.S. Army Air Force B-17 plane crash, near Huron, SD -- 12
 383. 1943 -- May 20, USAAF B-24E plane hits natural gas tank in fog, Chicago IL¹²⁵ -- 12
 384. 1943 -- July 05, USAAF B-24E plane crash, fog, Green Mt., San Miguel Island, CA-- 12
 385. 1943 -- July 28, USAAF B-24E structural failure and crash, Adena, CO -- 12
 386. 1943 -- Aug 18, US Army Air Force B-24E plane crash, Otero County, NM -- 12
 387. 1943 -- Aug 18, USN patrol plane VP-210 crash off Montauk Pt. Long Island, NY -- 12
 388. 1943 -- Nov 18, USAAF B-24J plane crash, near Melrose, NM -- 12
 389. 1943 -- Dec 15, USAAF B-17 plane crash, Army Air Base, Ardmore, OK -- 12

 390. 1944 -- Jan 26, US Navy patrol plane crashes, Key West Naval Patrol Station, FL --11-12
 391. 1944 -- Feb 16, USAAF B-17F plane crash, Wimauma, FL -- 12
 392. 1944 -- Feb 22, USAAF B-17F plane crash, Kittatinny Mt., Warren Ct., NJ -- 12
 393. 1944 -- Feb 25, USAAF planes collide, Army Air Field, Las Vegas, NV -- 12
 394. 1944 -- Mar 03, USAAF B26 planes collide, ~ Barksdale Field, Shreveport, LA -- 12
 395. 1944 -- Mar 05, USAAF B24 explodes and crashes, Atlantic Ocean, off FL -- 12
 396. 1944 -- Apr 11, US Navy War Eagles VP-16 Orion crashes east of Columbus, NM -- 12
 397. 1944 -- Apr 25, USAAF B-24 planes collide, near Yuma Army Air Field, AZ -- 12
 398. 1944 -- May 30, USN PB4Y and F4F collide, Palomar Mt., San Diego County, CA -- 12
 399. 1944 -- July 19, USAAF Consolidated Liberator plane crash, Touchet, WA -- 12
 400. 1944 -- Sep 17, USAAF B-29 out of Liberal AA Field crash, near Copeland, KS¹²⁶ -- 12
 401. 1944 -- Sep 24, USAAF Douglas C-47 plane crash, Camp Mackall, NC -- 12

¹²⁵ Cross-listed in Fog as a Contributing Factor.

¹²⁶ Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.

- 402. 1944 -- Oct 15, USAAF B-29 plane crash, Alamogordo Army Air Base, NM -- 12
- 403. 1944 -- Oct 24, USAAF B-17F plane crash, near Russell, KS -- 12
- 404. 1944 -- Oct 26, USAAF C-46A planes collide, Reno Army Air Base, NV -- 12
- 405. 1944 -- Nov 07, USN PB4Y-1 Liberator plane crash, off Fort Monroe, VA -- 12
- 406. 1944 -- Dec 25, USAAF C-47A plane crash, Roundtop Mt. near Harrisburg, PA --11-12

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

- 407. 1945 -- Mar 10, USAAF B-24 crash Atlantic near Montauk Point, Long Island, NY -- 12
- 408. 1945 -- Apr 01, USAAF B-29 engine fire and crash, 6 miles NE of Alamogordo, NM-- 12
- 409. 1945 -- Apr 16, USAAF B-29 ferry flight too-low approach hits water, Pango Bay, Guam-- 12
- 410. 1945 -- Apr 17, US Navy PB4Y-1 patrol plane crash, training ex. off Mayport, FL -- 12
- 411. 1945 -- May 23, US Navy PB4Y-1 Liberator engine failure, crash at sea off Iwo Jima-- 12
- 412. 1945 -- June 21, USAAF Catalina test flight lost 110M S off Los Negros, Admiralty Isls.--11
- 413. 1945 -- June 30, USAAF B-29 night navigation crash into mt., 8M ~Guadalupe Peak, TX--12
- 414. 1945 -- July 10, USN PBM-3C plane missing, last contact off Providence Isl. Bahamas-- 12
- 415. 1945 -- July 30, USAAF B-24 crash in forest near Schofield Barracks, Oahu, HI --all 12
- 416. 1945 -- Aug 30, USAAF B-29 with POW supplies crashes, Mt. Oyajiyama, Japan --all 12
- 417. 1945 -- Sep 01, USAAF B-24J takeoff crash, near Hondo Army Air Field, TX --11-12
- 418. 1945 -- Oct 16, USAAF C-47 engine fire, crash 60 mls NW of Saipan, Mariana Islands--12

- 419. 1946 -- Jan 13, USAAF C-46 initial climb crash into sea, off Majuro, Marshall Islands-- 12
- 420. 1946 -- June 12, USAAF B29 crash & fire, Collins Gap, near Clingman's Dome, TN-- 12
- 421. 1945 -- June 16, USAAF C-47 flight to AUS crash on mt. ~Moikisung, Papua New Guinea--12
- 422. 1946 -- Aug 1, USN PB4Y-2 Privateer crash after takeoff from Camp Kearny MCAS, CA --all 12
- 423. 1946 -- Oct 11, planes crash; Franconia, VA; near NAS Kaneohe, HI; Rio de Janeiro-- 12
 - 5 USAAF B-25 crash in fog, Franconia, 6M west of Alexandria, VA
 - 2 USN patrol bomber crashed after takeoff near NAS Kaneohe, Oahu, HI
 - 5 USAAF C-45 hits mt. peak in simulated bombing run, Rio de Janeiro, Brazil
- 424. 1947 -- Jan 27, USAF B-29 Superfortress plane crash, Kirtland Field, NM -- 12
- 425. 1947 -- Feb 24, USAF B-29 weather reconnaissance plane lost, Bering Sea or W. AK-- 12
- 426. 1947 -- June 14 USAAF B-29 plane crash, Hawks Mountain, VT -- 12
- 427. 1947 -- Dec 16, USAF B-29 crash after Davis-Monthan Field takeoff near Tucson, AZ-- 12
- 428. 1948 -- Jan 27, USAF C-47 crash (dependents), snowstorm, Cheval Blanc Mt., France-- 12
- 429. 1948 -- May 09, USN PBY-6A Catalina plane lost, San Juan, PR to Key West, FL -- 12
- 430. 1948 -- Aug 11, USN PB4Y-2 flies into cliff, Rota Island (northern Mariana Islands)-- 12
- 431. 1948 -- Nov 03, US Navy PB4Y-2 plane crash, 10M off Port Moller, Kodiak AK --all 12
- 432. 1949 -- Oct 13, Lakenheath AB USAF B50 takeoff engine fire/crash ~Isleham Eng.--US/11 of 12

- 433. 1950 -- Mar 23, USAF B-50 in-flight engine fire/explosion/wing loss/crash NNW Hyder, AZ--12
- 434. 1951 -- Aug 12, USAF Consolidated Privateer plane crash, Amak Island, AK -- 12
- 435. 1951 -- Oct 15, USAF C-97A lost, North Atlantic, Azores to Westover AFB, MA -- 12
- 436. 1952 -- Jan 14, USN P4Y-2 crash after 2 engines fail 6M SW of Yokohama, Japan --all 12
- 437. 1952 -- Feb 01 USAF B29 hits 2nd B29/no deaths 2nd plane, 5M off Bolo Point Okinawa --all 12
- 438. 1952 -- Mar 26, two USAF planes crash, Davis-Monthan AFB/8, AZ; Albuquerque, NM/4-- 12
- 439. 1952 -- Apr 09, USAF F-94 fighter & C-47 transport collide in clouds ~Otis AFB, MA--all 12

- 440. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan--12
- 441. 1952 -- Aug 7, USN plane crash, mts., returning to base, one engine/bad weather, so. of Bataan, Philippines-12
- 442. 1953 -- Jan 13, USAF B-50D Superfortress spins down out-of-control ~Gridley, CA--all 12
- 443. 1953 -- July 02, USN PBM-552 Mariner engine failure / crash, 25M off Adak, AK --all 12
- 444. 1955 -- Sep 1, USAF C-47 crash/burned, emergency landing attempt, Skwentna, AK--all 12
- 445. 1956 -- Sep 24, USAF C-47 plane crash, Mount Yale, near Buena Vista, CO -- 12
- 446. 1957 -- Jan 17, USAF Weather B-50 plane crash after takeoff ~Eielson AFB, AK --all 12
- 447. 1958 -- May 20, planes collide, Capital Air & MD Air Nat. Guard, Brunswick, MD -- 12
- 448. 1959 -- Feb 04, USAF weather B-50 plane crash, out of Kindley US AFB, Bermuda-- 12

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

- 449. 1960 -- July 11, US Air Mission Colombia USAF crash, Mt Pichincha, Ecuador--18/US 12
- 450. 1962 -- Jan 12, US Navy P2V Neptune crash, Kronborg Glacier, Greenland --all 12
- 451. 1962 -- Aug 01, USN Marlin P5M crash, Zambales Mountains, northern Philippines-- 12
- 452. 1964 -- Oct 27, USN bomber hits pole/crashes into bldgs., low-level flyover, El Centro NAF, CA-12
- 453. 1964 -- Nov 27, USN Lockheed P-2V Neptune plane crash, Cape Newenham, AK -- 12
- 454. 1966 -- May 18, USAF KC-135 Stratotanker takeoff crash, Kadena AB, Okinawa -- 12
- 455. 1967 -- Apr 28, USN P3A Orion patrol flight lost at sea off Tsushima Isl., Japan --all 12
- 456. 1968 -- Jan 16, US Navy P3A Orion crash in snowstorm on Mt. Kamegamori, Japan--all 12
- 457. 1968 -- Apr 01, USN P3B coastal surveillance plane shot down, Gulf of Thailand¹²⁷-- 12
- 458. 1968 -- June 25, three US Army helicopters collide, ~Bearcat, South Vietnam --29/US 12
- 459. 1969 -- Mar 08, USAF C130 crash short of runway, Ching Chuan Kang AB, Taiwan-- 12

- 460. 1985 -- Mar 13, US Army Black Hawk (technical failure?) crash, Fort Bragg, NC --all 12
- 461. 1992 -- Oct 29, USAF Pave Hawk helicopter crash ~Antelope Island, Great Salt Lake UT--12
- 462. 1998 -- Sep 4, two USAF Pave Hawk helicopters (6&6) collide at night, Nellis Range NV--12
- 463. 2016 -- Jan 14, two US Marine helicopters crash off Haleiwa, Oahu, HI -- 12

- 464. 1938 -- Feb 02, USN PBY-2 bombers collide off Coast of Southern CA -- 11
- 465. 1938 -- Mar 30, war games, 2 USN Consolidated patrol bombers crash, off Oahu, HI-- 11
- 466. 1939 -- Aug 11, two USAAF planes crash, Langley Field VA (9); Miramar CA (2) -- 11

- 467. 1941 -- Jan 04, USN transport *R2D-1* plane crash, landing, San Diego, CA -- 11
- 468. 1941 -- Dec 30, 3 USAAF planes crash in CA; ~Allensworth, Keller Peak, Oakland -- 11

- 469. 1942 -- Mar 18 eleven USAAF planes crash, CA (5), OH (4), TX, WV -- 11
- 470. 1942 -- Nov 11, USN patrol plane (Banana River NAS) crash 5M off Melbourne FL-- 9-11
- 471. 1942 -- Oct 03, USN Sikorsky Flying Boat *Excalibur* crashes, Botwood, NFLD, Can.-- 11
- 472. 1942 -- Oct 17, USAAF B-17 crash, Sierra Grande Mt., NM -- 11

- 473. 1943 -- Jan 06, USAAF B-24 plane crash, White City, KS -- 11
- 474. 1943 -- Jan 17, USAAF B-24 plane crash, Alamogordo, NM -- 11
- 475. 1943 -- Jan 18, USAAF B-24 plane crash, Bassett Peak, AZ -- 11
- 476. 1943 -- Jan 24, USAAF B-24 plane crash, White Sands Nat. Monument, NM -- 11

¹²⁷ Cross-listed in Violence (Attack)

477.	1943 -- Jan 31, USAAF Consolidated Liberator plane crash, Tucson, AZ	--	11
478.	1943 -- Feb 28, USAAF B-26 bombers (2), mid-air collision, Avon Park, FL	--	11
479.	1943 -- Mar 27, USAAF C-47 explosion, structural failure, crash, Oliver Springs, TN	--	11
480.	1943 -- Mar 29, USAAF B-17 42-5313 plane crash, Ephrata AFB, WA	--	11
481.	1943 -- Apr 15, USAAF plane crash, Buckingham Army AF, Fort Myers, FL	--	11
482.	1943 -- May 07, USAAF B-17F plane crash, Army Air Base, Dalhart, TX	--	11
483.	1943 -- May 22, USAAF B-17 plane crash, Army Air Base, Rapid City, SD	--	11
484.	1943 -- May 31, USAAF C-67 plane crash, Smith Creek Valley, NV	--	11
485.	1943 -- June 13, Two USAAF B-17F bombers collide near Fedora, SD	--	10-11
486.	1943 -- July 02, USN VF-5 plane crash, Table Top Mt. ~NAS Dutch Harbor, AK	--	10-11
487.	1943 -- July 07, USN PB4Y1 Liberator plane crash, off NAS Barbers Pt., Oahu, HI	--	11
488.	1943 -- July 15, USAAF B24D sea crash at end of runway, Castle Harbour, Bermuda	--	11
489.	1943 -- July 19, USAFF B-24E crash, Taylor Canyon, 27 mi NE of Gunnison, CO	--	11
490.	1943 -- July 28, USAAF B-24E Crash, 12 mi. N Biggs Field, El Paso, TX	--	11
491.	1943 -- Aug 09, U.S. Navy bomber crashes into bus, Pearl Harbor Navy Yard, HI	--	11
492.	1943 -- Aug 14, USAAF B-24E plane crash, Shoshone Nat. Forest, ~Dubois, WY	--	11
493.	1943 -- Aug 14, USAAF B-24E plane crash, near Ellsworth, KS	--	11
494.	1943 -- Aug 24, USAAF B-17 crash, Gibson Ranch, near Dovetail & Winnett, MT	--	11
495.	1943 -- Sep 05, USAAF Skytrooper crash, near Sedalia, MO	--	11
496.	1943 -- Sep 22, USAAF B-24D plane crash, near Waldo, KS	--	11
497.	1943 -- Sep 28, USAAF B-24H plane crash, near Fountain, CO	--	11
498.	1943 -- Sep 30, USAAF B-24H plane crash, near Villa Santa Maria Del Norte, CO	--	11
499.	1943 -- Oct 03, USAAF B-17F plane crash, Army Air Field, Brooksville, FL	--	11
500.	1943 -- Nov 25, USAAF B-24E planes collide, ~ Army Air Field, Liberal, KS	--	11

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

501.	1944 -- Mar 15, USAAF bomber crashes, Bull Mountain, near Stuart, southwest VA	--	11
502.	1944 -- Apr 07, USAAF B-24H plane lost, Atlantic Ocean, off coast of MA	--	11
503.	1944 -- Apr 24, USAAF B-17G plane crash, near Ardmore Army Air Field, OK	--	11
504.	1944 -- May 26, USAAF B-17G plane crash, Ronald Horn farm, near Anthon, IA	--	10-11
505.	1944 -- May 30, USN PB4Y1 Liberator Emer. Lndg. Crash, NAAS Chincoteague, VA	--	11
506.	1944 -- July 2, USAAF B-29 breaks-up in storm, crashes, near Harmon, OK	--	11
507.	1944 -- Sep 27, USAAF RB-24E plane crash, near San Jon and Tucumcari, NM	--	11
508.	1944 -- Oct 24, USAAF B-29 crash, near Barksdale Field, Shreveport, LA	--	11
509.	1944 -- Nov 13, USAAF C-47 crash, near Army Air Base, Casper, WY	--	11
510.	1944 -- Nov 18, USAAF B-24J plane crash near March Field, Riverside, CA	--	11
511.	1944 -- Dec 27, USAAF B-24J plane crash, near Mattituck, Long Island, NY	--	11
512.	1945 -- Jan 09, USAAF B-24 breakup and crash near Chatham Field, Savannah, GA	--	11
513.	1945 -- Jan 17, USAAF B-17F engine fire and crash 6M NW of Bay Minette, AL	--	11
514.	1945 -- Jan 26, USN PB4Y-1 Liberator landing crash, ~NAAS Jacksonville, FL	--	11
515.	1945 -- Feb 09, USAAF B-24D Liberator crash into side of mountain near Denio, OR	--	11
516.	1945 -- Mar 03, USAAF B-17 too-low plane crash in heavy rain, near Winnfield, LA	--	11
517.	1945 -- Apr 11, Charleston SC-based USAAF B-24J crash at sea off Charleston, SC	--	all 11
518.	1945 -- Apr 24, USAAF B-29 plane fire and crash, Gulf of Mexico, off Key West, FL	--	11

- 519. 1945 -- Apr 27, USAAF C-46 plane crash, Palo Duro Canyon, south of Claude, TX --all 11
- 520. 1945 -- May 10, USAAF B-17 hits B-17 turbulence/collision/crash, Braintree England-- 11
- 521. 1945 -- May 11, USAAF B-29 engine failure, crash Indg., MacDill AAF, Tampa, FL--9-11
- 522. 1945 -- May 12, USAAF B-24 flies into cloud-covered tree-tops ~Anderson Cliff, CA--all 11
- 523. 1945 -- June 30, USAAF TB-24J emergency landing crash, Las Vegas Field, NV -- 11
- 524. 1945 -- July 14, USAAF TB-25C engine-related crash, 1 mile NW of Weldon, TX -- 11
- 525. 1945 -- July 22, USAAF B-24M engine problem, crash, James River ~Newport News, VA--11
- 526. 1945 -- Aug 9, USAAF B-24 loses No. 1 engine power, crash ~Buckingham Field, Ft. Myers, FL-- 11

Military Craft – Aviation Disasters Subset of Aviation List – by Mortality (continued):

- 527. 1946 -- Apr 4, USN R4D-6 transport hits mountain at night ~15M SE Albuquerque, NM--11
- 528. 1946 -- May 17, USAAF C-47 with POW remains hits hillside, Tripura district, India--all 11
- 529. 1946 -- Oct 01, USAAF B-29 Superfortress crash in storm/burns, Buffalo Valley, NV--all 11
- 530. 1948 -- Nov 01, USAF C-47 plane breakup and crash, Thunderstorm, ~Muldrow, OK-- 11
- 531. 1948 -- Nov 07, USAF B-29 out of Kadena AB, Okinawa, crash at sea NW of Guam-- 11
- 532. 1949 -- Sep 23, USAF B-29 takeoff crash (engine failure), Andersen AFB (US), Guam-- 11
- 533. 1949 -- Nov 03, USAF RB-29 engine issue after takeoff, crash off Kindley US AFB, Bermuda--11
- 534. 1949 -- Dec 22, USAF B-50 fire after takeoff and crash, Argyle Isl. ~Savannah, GA --all 11

- 535. 1950 -- Sep 6, USAF C-54 explosion/crash after takeoff 4M NW Osaka-Itami Air Base, Japan-- 11
- 536. 1950 -- Dec 23, USN P2V Neptune crash, McCreight Mt., Vancouver Isl., BC, Can.-- 11
- 537. 1951 -- Apr 26 USAF B-29 Superfortress landing crash, Lajes AFB, Terceira, Azores, Portugal-- 11
- 538. 1951 -- May 10, two USAF F-80s collide, one crashes killing 10 on ground, Fukuoka, Japan-- 11
- 539. 1951 -- Aug 13, USAF B-50 plane crash, Lester Apartments, Beacon Hill, WA -- 11
- 540. 1951 -- Nov 27, USN Martin PBM-5 Mariner crash in ocean 7M off San Diego CA --all 11
- 541. 1952 -- Apr 08, USAF B-25 flies into Golden Peak, near Golden, CO --all 11
- 542. 1952 -- June 24, NM-based USAF B-50 Superfortress crash near Lakenheath, UK -- 11
- 543. 1952 -- Oct 08, USAF B29 and F94 collide midair (all 11 on B29 killed) ~Portland, OR--11
- 544. 1952 -- Nov 06, USAF B-50 crash in gale High Wood 2M W of Great Dunmow, Eng.-- 11
- 545. 1952 -- Nov 12, US Navy P4Y-2 Privateer plane crash, 10M W of Shelton, WA --all 11
- 546. 1953 -- Mar 22, USN PBM out of Naval Operating Base Trinidad missing N of Dom. Rep.--11
- 547. 1954 -- May 31, USAF C47/MN ANG AP approach crash, gravel pit/heavy fog, Duluth IAP, MN--11
- 548. 1954 -- Sep 28, USN PB-5 Marlin takeoff crash, Sangley Point NAS, Philippines -- 11
- 549. 1955 -- Feb 17, USN P-2 Neptune hits Mt. Susitna on Elmendorf AFB approach, AK--all 11
- 550. 1955 -- Sep 26, Guantanamo NAS USN P2V-3W Neptune hurricane chaser lost, Caribbean--11
- 551. 1955 -- Nov 20, USAF C124 Globemaster II takeoff crash, Iwo Jima Air Base Japan--all 11
- 552. 1956 -- Feb 27, USAF B-50 Superfortress crash, Wilmington Pike, Dayton OH --all 11
- 553. 1956 -- June 09, USN F9F-4 Panther (1) crashes into houses (10), Minneapolis, MN-- 11
- 554. 1956 -- June 26, USAF KC-97 tanker fire/crash after takeoff, 10M ~Walker AFB, NM--all 11
- 555. 1956 -- Aug 31 Eielson AFB AK WB-50 plane crash 50 miles north of Anchorage --all 11
- 556. 1957 -- Apr 02, USN Neptune explodes after Chincoteague NAS takeoff, ~Atlantic VA--11
- 557. 1957 -- July 19, Willow Grove NAS, PA, Neptune crash, San Martino Mt., no. Italy¹²⁸-- 11
- 558. 1958 -- Oct 18, USN *Constellation* plane crash on approach ~Argentia, Newfoundland, Can.--11
- 559. 1958 -- Nov 12, USAF KC-97 tanker loses engine at takeoff, crashes Isle of Hope, GA--all 11

¹²⁸ Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.

560. 1960 -- Sep 08, Yokota AB USAF weather recon. B-50 crash, mt. near Ishikawa, Japan-- 11
 561. 1961 -- Nov 09, US Navy P2V-5 Neptune plane crash at sea ≈300M off Norfolk VA--all 11
 562. 1963 -- Aug 28, apparent mid-air collision, two USAF tankers, off East Coast -- 11
 563. 1966 -- Apr 09, USN Orion P-3A auto-pilot loss/crash, Pacific 187m off San Diego, CA-- 11
 564. 1968 -- Sep 24, USAF Stratotanker engine problem, crash landing at Wake Island AP-- 11

Aviation Disasters Subset – MILITARY AIRCRAFT – By Mortality (continued):

565. 1970 -- Apr 10, USAF C130 Hercules crash after takeoff Naha US Air Base, Okinawa-- 11
 566. 1972 -- May 03, TN Air National Guard C124 crash 40M from Zanderij IAP, Suriname--11
 567. 1973 -- Feb 07, US Navy Corsair II jet crash/apartment bldg., fire, Alameda, CA¹²⁹ -- 11
 568. 1973 -- Oct 14, USAF F4E jet crash into US Army personnel carrier ~Weissenburg FRG-- 11
 569. 1982 -- Apr 02, US Navy transport plane crash, Mediterranean island of Crete -- 11
 570. 1986 -- Apr 02, USAF Hercules C-130 plane crash, Magdalena, NM -- 11
 571. 1990 -- Feb 21, two USA 'copters crash (Iroquois/9, OH-58/2) ~Punta Diego, Panama Canal--11
 572. 2000 -- Aug 9, USN charter Patuxent Air¹³⁰ & private plane collide, Burlington, NJ -- 11
 573. 2003 -- Mar 11, US Army Blackhawk helicopter crash, Fort Drum, NY -- 11
 574. 2015 -- Mar 10, U.S. Army Blackhawk helicopter crash, Gulf off Navarre Beach, FL-- 11
575. 1942 -- Jan 17, 3 USAAF crashes, Riverside CA, Pendleton Field OR, Curtis Field TX-- 10
 576. 1942 -- Feb 4, USAAF planes crash, Lake Tahoe NV, Brooks Field TX, Trinity Ctr CA-10
 577. 1942 -- Mar 15, USAAF B-17 Flies into Mountain near Pendleton, OR -- 10
 578. 1942 -- Apr 05, USAAF B-17 Flying Fortress Plane Crash, Oahu, HI -- 10
 579. 1942 -- Apr 16, two USAAF planes crash, Chesapeake Bay; MacDill Field, FL -- 10
 580. 1942 -- May 06, USAAF B-17 disappears on training flight, Gulf of Mexico -- 10
 581. 1942 -- May 15, four USAAF crashes, CA (2), ~Wendover Field, UT, ~Mason, TX -- 10
 582. 1942 -- June 01, two USAAF planes crash, (MD and PA) and one US Navy (CA) -- 9-10
 583. 1942 -- June 05, USN PBV-5A plane lost, NAS Pensacola to Gulf of Mexico -- 10
 584. 1942 -- July 18, USAAF B-17 plane crash, North Reading, MA -- 10
 585. 1942 -- July 30, USAAF C-73 takeoff plane crash, Minneapolis, MN -- 10
 586. 1942 -- Sep 11, USAAF B-24 plane crash, Mt. Baldy, AZ -- 10
 587. 1942 -- Nov 30, USAAF B-17 plane crash, near Sioux City, IA -- 10
 588. 1942 -- Dec 02, USAAF B-17 plane crash near Grace, ID -- 10
589. 1943 -- Jan 06, USAAF B-24 plane crash, Madill, OK -- 10
 590. 1943 -- Jan 02, USAAF B-17 plane crash, Elko, NV -- 10
 591. 1943 -- Jan 12, USAAF B-24 plane crash, Alamogordo, NM -- 10
 592. 1943 -- Jan 15, US Army Air Force B-17 plane crash, Gowen Field, ID -- 10
 593. 1943 -- Jan 24, USAAF B-24 plane crash, Ruidoso, NM -- 10
 594. 1943 -- Jan 24, USAAF B-17 plane crash, near Ordway, CO -- 10
 595. 1943 -- Jan 26, USAAF B-23 Dragon plane crash, Flomaton, AL -- 10
 596. 1943 -- Feb 11, USAAF bomber crash, near Walla Walla, WA -- 10

¹²⁹ Cross-listed in Fire-Structural. The pilot was believed to have died prior to the crash, one person on the ground killed by the crash, and eight by fire, with one additional death to an unattributed cause.

¹³⁰ Patuxent Airways was operating at the time under Department of Defense contract, carrying Navy personnel.

597.	1943 -- Feb 25, USAAF B-17 plane crash, near Glenrock, WY	--	10
598.	1943 -- Feb 26, USAAF B-17 plane crash, Biggs Field, El Paso, TX	--	10
599.	1943 -- Mar 22, USAAF plane crash, Army Air Field, Harlingen, TX	--	10
600.	1943 -- Apr 12, USAAF plane crash, near Davis-Monthan Field, Tucson, AZ	--	10
601.	1943 -- Apr 21, USAAF B-24 plane crash, approx. 210 miles off Virginia Beach, VA--		10
602.	1943 -- Apr 21, USAAF C-69A plane crash, Evansville Municipal Airport, IN	--	10
603.	1943 -- Apr 26, USAAF B-24D plane crash, near Ballinger, TX	--	10
604.	1943 -- Apr 29, USAAF B-24 plane lost, Hamilton Field, CA to Hickam Field, HI	--	10
605.	1943 -- May 16, USAAF B-17 planes collide on runway, Ephrata Army AB, WA	--	10
606.	1943 -- May 23, USAAF B-17F plane crash, Yellowstone National Park, MT	--	10
607.	1943 -- May 29, USAAF B-24 plane lost, Pacific Ocean off Coast of CA	--	10

Aviation Disasters Subset – MILITARY AIRCRAFT – By Mortality (continued):

608.	1943 -- June 28/29, USAAF plane crash, Big Horn Mts., Cloud Peak, WY	--	10
609.	1943 -- June 29, USAAF B-24E plane crash, Alamogordo Army Air Base, NM	--	10
610.	1943 -- July 03, USAAF B-17F plane crash, White City, KS	--	10
611.	1943 -- July 21, USAAF B-26C planes collide, near Parrish, FL	--	10
612.	1943 -- Aug 1, US Army Air Force CG-4 Glider demo flight crash, St. Louis, MO	--	10
613.	1943 -- Aug 12, USAAF B-24A plane crash, near Indio, CA	--	10
614.	1943 -- Aug 16, USAAF B-24E plane crash, near Pueblo, CO	--	10
615.	1943 -- Aug 16, USAAF B-24E plane crash, Gowen Field, Boise, ID	--	10
616.	1943 -- Aug 18, USAAF B24 plane crash, Gulf of Mexico, off Corpus Christi, TX	--	10
617.	1943 -- Aug 27, USAAF B-24 plane crash, Cheyenne Mt., near Peterson Field, CO	--	10
618.	1943 -- Aug 29, USAAF B-24E plane crash, near Wendover Field, UT	--	10
619.	1943 -- Sep 01, USAAF B-17F plane explosion and crash, near Fort Benton, MT	--	10
620.	1943 -- Sep 02, USAAF B-24E plane crash, near Army Air Base, Sioux City, IA	--	10
621.	1943 -- Sep 05, USAAF B-17F plane crash, Lake Cormorant, MS	--	10
622.	1943 -- Sep 06, USAAF B-17F plane crash, near Rapid City, SD	--	10
623.	1943 -- Oct 01, USAAF B-24D plane crash, Elk, CA	--	10
624.	1943 -- Oct 04, USAAF B-24D plane crash, Army Air Base, Blythe, CA	--	10
625.	1943 -- Oct 06, USAAF B-24D plane lost at sea, Pacific Ocean off northern CA/OR--		10
626.	1943 -- Oct 14, USAAF B-24D plane crash, Neighbours, CA	--	10
627.	1943 -- Oct 15, USAAF B-24E plane crash, near Army Air Base, Blythe, CA	--	10
628.	1943 -- Oct 24, USAAF plane crash, Smokey Hill Army Air Field, Salina, KS	--	10
629.	1943 -- Oct 29, USAAF B-24E plane crash, Cucamonga Peak, Fontana, CA	--	10
630.	1943 -- Nov 03, USAAF B-24J plane crash, near Pueblo, CO	--	10
631.	1943 -- Nov 19, USAAF B-17F plane crash, near Thonotosassa, FL	--	10
632.	1943 -- Dec 04, USAAF B-24 bomber crash, near Elverson, PA (near Reading, PA)--	9-10	
633.	1943 -- Dec 13, USAAF B-17F plane crash, near Rosebud, SD	--	10
634.	1944 -- Jan 03, USAAF B-24J plane crash, 25 miles SE of Muroc, CA	--	10
635.	1944 -- Jan 13, USAAF B-17 plane crash, near Army Air Field, Fort Worth, TX	--	10
636.	1944 -- Jan 22, USAAF plane collision, Gulf of Mexico, near Little Marco Pass, FL--		10
637.	1944 -- Jan 24, USAAF C-60 and AT-7 planes collide, near Farmersville, LA	--	10
638.	1944 -- Feb 12, two USAAF B-17's collide, one crashes, Mill Creek, OK	--	10

- 639. 1944 -- Feb 23, USN North Amer. PBJ-1D Mitchell bombers collide ~Bern, NC -- 10
- 640. 1944 -- Feb 26, USAAF, B-24E plane lost, Atlantic Ocean, off SE Coast -- 10
- 641. 1944 -- Feb 26, U.S. Army Air Force B-17 plane crash, near Palmer Lake, CO -- 10
- 642. 1944 -- Mar 06, U.S. Army Air Force B-17G plane crash, near Maxwell, IA -- 10
- 643. 1944 -- Mar 18, U.S. AAF B24H plane crash, near Davis-Monthan Field, Tucson AZ-- 10
- 644. 1944 -- Mar 20, USAAF RB-24E plane crash, near Biggs Field, El Paso, TX -- 10
- 645. 1944 -- Mar 26, USAAF B-24 plane crash, near Naval Air Station, Melbourne, FL -- 10

Aviation Disasters Subset – MILITARY AIRCRAFT – By Mortality (continued):

- 646. 1944 -- Apr 09, USAAF B-24D plane crash, near USMC Air Station, Mojave, CA -- 10
- 647. 1944 -- Apr 24, USAAF B-24H plane crash, near Epsom, NH -- 10
- 648. 1944 -- Apr 29, USAAF RB-24E Liberator bomber plane crash, near Merna, NE -- 10

- 649. 1944 -- May 05 USAAF crash, out of Hickam Field HI, Aiea Ridge, Oahu, HI -- 10
- 650. 1944 -- May 10, USAAF plane crash, near Biggs Field, El Paso, TX -- 10
- 651. 1944 -- May 16, USN dirigible airship K-5 crash, Lakehurst NAS, NJ -- 10
- 652. 1944 -- May 18, USAAF B-17 plane crash, near Rapid City Army Air Base, SD -- 10
- 653. 1944 -- May 27, USAAF B-24J plane crash, Westover Field, Chicopee, MA -- 10
- 654. 1944 -- May 29, USAAF B-17G plane crash, near Ridgely, TN -- 10

- 655. 1944 -- June 07, USAAF B-24J plane crash, near Chappell, NE -- 10
- 656. 1944 -- June 13, USAAF B-24E bomber crash, Green Knob Mt., near Asheville, NC-- 10
- 657. 1944 -- June 20, USAAF B-24J plane lost at sea, Atlantic Ocean, off Southeast Coast-- 10
- 658. 1944 -- June 22, USAAF B-24J plane crash, near Walla Walls Army Air Field, WA -- 10
- 659. 1944 -- June 29, USAAF B-24D plane crash, near Tobe, CO -- 10
- 660. 1944 -- June 30, USAAF B-24J plane lost, off Myrtle Beach, SC -- 10

- 661. 1944 -- July 04, USAAF B-24J planes collide, near Palm Springs, CA -- 10
- 662. 1944 -- July 11, USAAF B-17G plane crash, Deer Mountain near Rangeley, ME -- 10
- 663. 1944 -- July 20, USAAF B1-17F planes collide, Brooksville, FL -- 10
- 664. 1944 -- July 20, USAAF B-24 planes collide, near Roswell, NM -- 10
- 665. 1944 -- July 23, USAAF B-24J plane fire & crash, near Chatham Field, Savannah GA-- 10
- 666. 1944 -- July 25, USAAF B-24 plane crash, San Pablo Bay, near San Rafael, CA -- 10
- 667. 1944 -- July 30, USAAF B-17 plane break-up, crash, 6 miles from St. Marks, FL -- 10

- 668. 1944 -- Aug 09, USAAF B-24J plane fire and crash, near Kiowa, CO -- 10
- 669. 1944 -- Aug 21, USAAF YB-29 plane crash, 25M near Alamogordo, NM -- 10
- 670. 1944 -- Aug 27, USAAF B-17G plane crash, 20M near Bay St. Louis, MS -- 10

- 671. 1944 -- Sep 01, USAAF B-24J plane crash, near Muroc Army Air Field, CA -- 10
- 672. 1944 -- Sep 29, USN PBM-3D crash, southeast of Palau Island, West Central Pacific-- 10
- 673. 1944 -- Oct 17, USAAF B-24J plane crash, 12M NE of Ukiah, OR -- 10
- 674. 1944 -- Oct 29, USAAF B-17F plane crash, near Chatham Field, Savannah, GA -- 10
- 675. 1944 -- Nov 29, USAAF B-24 Liberator plane crash, Middle Mt., Nottingham, NH -- 9-10
- 676. 1944 -- Dec 08, USAAF AT-18 planes collide, Sioux falls AAF, SD -- 10

- 677. 1944 -- Dec 22, USAAF B-24 plane crash, Mt. Gleason, La Crescenta, CA -- 10
- 678. 1944 -- Dec 29, USAAF B-24J plane break-up and crash, near Meridian, ID -- 10
- 679. 1944 -- Dec 30, US Army AF B-29 plane fire and crash, near Walker AAF, KS -- 10

Aviation Disasters Subset – MILITARY AIRCRAFT – By Mortality (continued):

- 680. 1945 -- Jan 8, TX: USAAF B-26 bombers collide ~Brownsville/9; A-20 Havoc crash SW San Anton./1--10
- 681. 1945 -- Jan 20, USAAF B-24J landing approach crash, 2½M SE of Muroc AAF, CA-- 10
- 682. 1945 -- Jan 26, USAAF B-17G plane crash, near Hendricks Field, Sebring, FL -- 10
- 683. 1945 -- Feb 01, USN PB4Y-5A crash, night navigation trng., Kaneohe NAS, Oahu, HI-- 10
- 684. 1945 -- Feb 12, USAAF B-24D stalls, pilot loses control, crash, 15M SW of Troy, OR-- 10
- 685. 1945 -- Feb 14, USAAF B-24 approach crash in adverse weather, 12M NE Gander AP, Nfld.- 10
- 686. 1945 -- Mar 06, USAAF B-24D, AP approach crash, 1M ~Mountain Home AAF, ID--all 10
- 687. 1945 -- Mar 10, USAAF B-29 engine failure/emerg. crash, Alexandria AAF, LA-- 10
- 688. 1945 -- Apr 08, USAAF TB-17F flies into mountain at night near Tellico Plains, TN--all 10
- 689. 1945 -- Apr 16, USAAF Beech AT-11s collide, bombing training near Big Spring, TX-- 10
- 690. 1945 -- June 04, USAAF B-24L Liberator crash, Caribbean Sea off Jamaica --all 10
- 691. 1945 -- June 06, USAAF B-29 ferry to US crash after takeoff from Kwajalein Atoll -- 10
- 692. 1945 -- June 11, USAAF B-29 structural failure in thunderstorm, crash ~Rush Springs, OK-- 10
- 693. 1945 -- July 17, USAAF B17 night AP approach crash, heavy rain ~Smoky Hill AAB, Salina KS--10
- 694. 1945 -- Aug 22, USN PB4Y-2 loss of control crash into Pacific off San Diego, CA -- 10
- 695. 1945 -- Aug 27, USAAF B-29 2nd landing approach, crash, Mt. Tapochau, Saipan --all 10
- 696. 1945 -- Aug 28, USAAF B-29 crash during violent storm, Toga, Akita, Honshu, Japan-- 10
- 697. 1945 -- Sep 07, USAAF B-29 fire and plane crash, 4½ miles south, Wedowee, AL -- 10
- 698. 1945 -- Nov 02, USAAF B-29 Superfortress crash, North Field, Guam -- 10
- 699. 1945 -- Nov 28, USAAF C-47 crash ~Auburn CA/9; USN PB4Y crash, Palmyra Atoll AP/1--10

- 700. 1946 -- Jan 12, USN PB4Y-2 hits Homonhon Isl. ridge in adverse weather, Philippines-- 10
- 701. 1946 -- Mar 7, Kirtland AAB USAAF B-29 disintegrates, Los Lunas bombing range, NM--10
- 702. 1946 -- Mar 19, USAAF B-17 crash in adverse weather, northern Formosa (Taiwan) --all 10
- 703. 1946 -- July 30, USN PB4Y-2 crash searching for missing US planes, Mindoro Isl., Philippines--10
- 704. 1947 -- Feb 04, USN R-4D-5S (DC-3), crashed during storm, off Chincoteague Isl., VA--10
- 705. 1947 -- Feb 22, U.S. Coast Guard PBM-5 crash in Mexico on way back to San Diego-- 10
- 706. 1947 -- Aug 16, USAF B17 runs out of fuel/ditches 50M off Barbers Point, Kalaeloa, HI-- 10
- 707. 1948 -- Mar 18, USAF B-29 landing crash in dense fog, MacDill Field, Tampa, FL -- 10
- 708. 1948 -- Aug 05, USN Douglas R4D-6 and civilian Stearman collide ~NAS Miami, FL-- 10
--10 USN Douglas R4D-6 -- 0 civilian Stearman
- 709. 1948 -- Dec 22, USAF B-50 crash (congealed oil in manifold?) near Fairbanks, AK --all 10
- 710. 1949 -- Aug 31, USN Martin Mariner PBM-5 takeoff crash off NAS San Diego, CA-- 10
- 711. 1949 -- Sep 30, USAF B-17 crash into mesa, storm/poor visibility, 4M N of Raton, NM--10

- 712. 1950 -- Apr 08, USN PB4Y-2 bomber shot down by USSR, Baltic Sea off Latvia --all 10
- 713. 1951 -- June 3, USAF C-82 Flying Boxcar hit by lightning/crashed, New Boston, TX--all 10
- 714. 1951 -- Aug 31, USN Consolidated PB4Y-2 Privateer crash, Little Tanaga Isl., AK --all 10
- 715. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
- 716. 1951 -- Nov 18, USAF B29 takeoff crash: crew OK; 3US/7 local rescuers killed by explos., Yokota, Japan--10

717. 1952 -- Mar 21, USN PB4Y-2 crash after takeoff, off Corpus Christi NAS, TX --all 10
718. 1952 -- Apr 1-10, "Exercise Longhorn," military plane crashes & parachuting deaths, TX-- 10
719. 1952 -- Apr 5, USAF B-29 weather plane airport approach crash, McClellan AFB, CA--all 10
720. 1952 -- Oct 26, USAF WB-29 lost, typhoon, Anderson AFB, Guam to Philippines -- 10
721. 1953 -- Jan 28, USN PB4Y, in poor weather & visibility, flies into Black Peak, WA --all 10
722. 1953 -- Mar 18, USAF B-29 crash searching for USAF plane, St. George's Bay, NFL, Can--10
723. 1953 -- Apr 29, US Air Force B-29 in-flight fire and crash, near San Antonio, TX -- 10
724. 1953 -- July 10, USAF B29 airport approach crash, 7M ~Hunter AFB, Savannah GA--all 10
725. 1953 -- July 10, USAF C47 & Norwegian AF jet collide ~Stavanger-Sola AP, Norway-- 10
726. 1953 -- July 30, USN PBM Mariner engine fire/ditched 60M W of Badoc Philippines-- 10
727. 1954 -- Jan 04, USN P2V Neptune engine trouble and crash, Yellow Sea, off S. Korea-- 10
728. 1954 -- Feb 05, USAF C-47 explodes in-flight, Susitna Valley, 20M from Curry, AK-- 10
729. 1954 -- May 05, off-course USN PBM-5 seaplane crash, Sidewalk Mt. ~Carricitos, MX--10
730. 1954 -- May 07, USN P2V5 Neptune takeoff crash off Clifton Pier, Nassau, Bahamas --all 10
731. 1954 -- Sep 4, Soviet Migs shoot down USN P2V Neptune off Hokkaido, Sea of Japan-- 10
732. 1954 -- Dec 22, Johnson Flying Service crash, Monongahela River, Pittsburgh, PA -- 10
733. 1955 -- Apr 28, USAF B29 Superfortress flies into cloud-shrouded hill ~Naha AFB Okinawa-- 10
734. 1955 -- June 10, USAF B29 Superfortress flies into Mt. Teckberg in fog ~Owen, FRG-- 10
735. 1955 -- June 29, USAF C-47 transport plane hits Sitkinak Island mountain peak, AK--all 10
736. 1956 -- Nov 09, USN P5M Marlin seaplane lost north of Bermuda, possibly off MD--all 10
737. 1956 -- Nov 30, USAF B-52 plane crash after Castle AFB takeoff near Ballico, CA --all 10
738. 1956 -- Dec 28, USAF B-50 Weather Recon. Crash, Yokota AB approach, Japan-(9 US)10
739. 1957 -- July 23, USN P-2 Neptune stalls/crashes off Barbers Point Naval Air Sta., HI-- 10
740. 1958 -- Jan 15, USAF Typhoon Ophelia recon. plane out of Anderson AFB, Guam, lost at sea--all 10
741. 1958 -- Sep 29, USN Neptune P2V patrol plane crash, 22M north of Key West, FL --all 10
742. 1959 -- Apr 09, USN P5M 2 Marlin seaplane crash Cheju Island Mt., South Korea --all 10
743. 1959 -- May 20, USAF C-130 Hercules plane crash into barracks, Ashiya AB, Japan-- 10

Aviation Disasters Subset – MILITARY AIRCRAFT – By Mortality (continued):

744. 1960 -- Jan 04, US Army De Havilland U-1A Otter disappears, Gulf of Sidra, Libya-- 10
745. 1962 -- Mar 21, USN P2V Neptune crash mt. ridge 2M south of Elk Mountain, WA --all 10
746. 1962 -- Sep 22, USN Martin Marlin flies into high ground, Montague Isl., Gulf of AK-- 10
747. 1963 -- Sep 22, USAF C-133A Cargomaster lost, Atlantic SE of Dover AFB, DE -- 10
748. 1964 -- May 11, USN P2V plane crash, Atlantic, 25 mls SW of US AB Rota, Spain -- 10
749. 1964 -- Nov 17, USN P3A Orion approach crash in ocean in fog ~USN Base, Argentina Nfld.¹³¹10
750. 1965 -- June 05, USAF C119 unexplained crash, Caribbean, NE of Crooked Isl. Bahamas--10
751. 1966 -- Dec 12, US Navy Sea Knight helicopter crash 34 miles off San Diego, CA --all 10
752. 1967 -- Jan 6, USN P5M Marlin crash near entrance of Manila Bay, Philippines --all 10
753. 1968 -- July 28, USAF C-124A Georgia Reserve plane crash 50M NW of Recife, Brazil-- 10
754. 1970 -- Aug 3, storm/lightning, Navy P3A Orion turbulence breakup ~Searchlight NV¹³²10
755. 1971 -- Nov 12, USAF Lockheed C-130 takeoff plane crash/fire, Little Rock AFB, AR-- 10
756. 1971 -- Dec 12, USN C2 Greyhound out of Cubi Point NAS Philippines crash at sea--all 10

¹³¹ Cross-listed in Fog as a Contributing Factor.

¹³² Cross-listed in Lightning.

757. 1973 -- Dec 11, USN Douglas R6D-1 plane crash, Great Sitkin Island, AK -- 10
758. 1987 -- June 22, US Army helicopter reservist training flight crash, Ft. Hood, TX --all 10
759. 1987 -- Oct 20, USAF A-7D jet crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
760. 1988 -- Feb 25, Ft. Hood Army Chinook helicopter engine failure and crash, Chico, TX--10
761. 1988 -- Oct 25, USMC CH-46 & UH-1N helicopters crash, Goldwater Gun. Range, AZ--10
762. 1996 -- Nov 22, USAF Hercules engine loss & crash, Pacific ~Cape Mendocino, CA-- 10
763. 2002 -- Feb 22, US Army Chinook crash at sea, exercise off Dumaguete, Philippines --all 10
764. 2002 -- Aug 7, USAF Combat Talon II plane crash, Caguas, Puerto Rico -- 10
765. 2009 -- Oct 26, US Army Chinook crash, dirt blown up from takeoff, anti-drug op., Afghanistan-10
766. 2017 -- Dec 31, plane crash, 2 C.R. pilots, 10 U.S. citizens, NW Costa Rica --10US of 12

Other Military Aviation: (**Fewer than ten deaths** – sampling, not comprehensive.)

- 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in thunderstorm, Gulf of MX-- 9
- 1945 -- July 01, USAAF B-29 explosion, crash in thunderstorm, 6M S of Benton, KY -- 9
- 1947 -- July 29, USAAF B-29 Superfortress takeoff crash, Eglin AAF, Valparaiso, FL -- 9
- 1947 -- Sep 15, USAF B-17 explodes/crashes, Bush Riv. at Chesapeake Bay ~Aberdeen MD-- 9
- 1947 -- Dec 31, USAF B-29 weather recon. plane engine loss/crash after takeoff, ~Elmendorf AFB AK--9
- 1948 -- Jan 30, USAF B-17 plane crash, Cheval Blanc Mountain, Southern France -- 9
- 1948 -- Aug 24, USAF C-47 collides with USAF B-25 (no losses), 5M N of Newton, NJ -- all 9
- 1948 -- Nov 04, USN P2V2 crash, snow-filled canyon, Vancouver Isl. BC, Can. (found 1961)-- 9
- 1950 -- June 01, USN P2V-2 Neptune emergency lndg. crash, Quonset Point NAS, RI -- 9
- 1950 -- June 14, USAF B-25 crash, top of Spruce Mountain, 5M NW of Circleville, WV -- all 9
- 1953 -- Dec 11, USAF Consolidated B-36 CF flies into Mount Franklin near El Paso, TX -- all 9
- 1954 -- Dec 29, USAF C119 rear-door fails/plane crash, Shin Point near New Hope, AL -- 9
- 1955 -- Feb 23, USAF KC-97 tanker engine fire after takeoff, crashes near Windsor, MO -- 9
- 1955 -- Aug 23, engine fire after takeoff, USAF C119 crash into homes, Charleston SC -- 9
- 1957 -- Dec 09, USN P5M Marlin Seaplane engine explosion/crash near Corpus Christi, TX-- 9
- 1959 -- May 11, USN P2V plane crash, Whidbey Island Naval Air Station, WA -- 9
- 1960 -- Feb 11, USN P5M rocket under wing explodes, Puget Sound ~NAS Whidbey Isl. WA-- 9
- 1960 -- Apr 18, USAF C124 cargo plane takeoff crash, Stephenville, Harmon AB NFLD -- 9
- 1963 -- Dec 23, USAF B-52 Stratofortress plane crash after takeoff, ~Columbus AFB, MS-- all 9
- 1966 -- Nov 18, USAF B52 low level flight/hits trees/crashes, S of Stone Lake ~Hayward WI-- 9
- 1967 -- Jan 08, USN plane crash after takeoff from Andrews AFB, ~Upper Marlboro, MD-- 9
- 1975 -- Jan 09, USAF Convair/7 and Cessna/2 collide 4 miles west of Newport News, VA-- 9
- 1982 -- Aug 31, USAF C-141 transport plane crash, John's Knob, Cherokee Nat., TN -- 9
- 1996 -- Aug 17, USAF C-130 Presidential support mission plane crash, ~Jackson Hole, WY-- 9
- 2023 -- Mar 30, USA Black Hawk helicopters collide, night training, Cadiz, Trigg Co., KY-- 9

Military Aviation – Fewer than Ten Deaths – continued:

- 1945 -- May 03, USN blimp engine fire leads to cover fire and crash, Santa Ana, CA -- 8

1950 -- Feb 15, USAF B-29 crash after takeoff, US HWY-117 3M SW of Great Falls, MT-- 8
 1950 -- Oct 19, USAF B-29 Superfortress bomber plunges to ground near Seguin, TX -- 8
 1952 -- May 13, USMC Corsair collides with USAF B-29, 30M W of Oceanside, CA --12 or 8
 --7 USAF B-29 Superfortress crew (five survived).
 --1 US Marine Corps Corsair pilot.

1952 -- Nov 17, USAF C-119 "Flying Boxcar" engine loss/crash, field near Billings, MT-- 8
 1957 -- Jan 31, DC-7 & USAF Scorpion fighter collide, debris hits school, Sunland, CA -- 8
 1958 -- July 29, USAF B-52 goes out of control on AP approach, crashes 3M from Loring AFB, ME- 8
 1959 -- Oct 15, USAF KC-135 tanker collides with USAF B52F bomber, ~Leitchfield, KY-- 8
 1968 -- Dec 14, USAF C119 Roosevelt Roads NAS takeoff plane crash ~San Juan, PR -- all 8
 1972 -- Dec 16, USCG helicopter/4 with rescued boat crew/4, crashes, Gulf of Mex., off FL-- 8
 1978 -- Sep 08, low USAF C130 crash into ridge ~8 miles north of Little Rock AFB, AR -- 8
 1979 -- Mar 01, Universal Airways takeoff crash (unsecured baggage door), ~Gulfport MS--all 8
 1982 -- Sep 11, USAF Chinook helicopter crash, airshow, ~Mannheim, Germany --46, U.S. 7-8
 1986 -- Aug 29, USN CH-46 helicopter crash, carrier USS *Saipan* off Bodoe, Norway -- 8
 1995 -- Apr 17, USAAF C-21 Learjet plane crash, near Alexander City Airport, AL -- 8

Military Aviation – Fewer than Ten Deaths – continued:

1945 -- June 29, USAAF TB-24 engine power loss after takeoff/crash, 6M SE Chandler AZ-- 7
 1946 -- Aug 09, USAAF A-26 Invaders collide, ground casualties, No. Montana State Fair, Great Falls-7
 1950 -- Sep 19, USN PB4Y-2 Privateer plane crash, Puget Sound, Saratoga Passage, WA -- 7
 1951 -- May 21, USAF C-124 Globemaster emergency landing crash near New Lisbon IN-- 7
 1953 -- Sep 18, USAF WB29 weather recon plane lost out of Kindley AFB, Bermuda -- 7
 1958 -- Sep 16, USAF B52 tail separation and plane crash, South St. Paul, MN -- 7
 1959 -- July 22, USAF KC-97 plane explosion and crash, near East Andover, NH -- 7
 1963 -- Jan 24, USAF B-52 stabilizer shaft breaks (turbulence), crash near Greenville, ME-- 7
 1973 -- Oct 15, USAF C-130 Hercules flies into fog-shrouded Sugar Loaf Mountain, AR -- all 7

1922 -- Sep 23, US bomber crash, "Flying Circus", Mitchel Field, Mineola, NY -- 6
 1942 -- May 24, USAAF transport plane crashes in swamp near Howe Brook, ME -- 6
 1957 -- Apr 12, US Navy Neptune P2V-5 bomber touch & go crash, Brunswick, ME -- 6
 1962 -- May 09 USAF KC-135A Stratotanker engine failure, crash, Loring, AFB, ME -- 6
 1962 -- May 27, Dover AFB USAF C133 Cargomaster crash, Atlantic off Dover, DE -- 6
 1969 -- Jan 21, USAF B52 takeoff crash, incorrect trim, 1M from Minot AFB, ND -- all 6
 1978 -- Nov 30, USAF C-130 plane crash, near Cottageville, SC -- 6
 1983 -- July 10/11, US Army CH-47 Chinook helicopter crash, South Fox Island, MI -- 6
 1987 -- Jan 20, US Army Beechcraft & business Piper collide over Independence, MO¹³³ -- 6
 1988 -- Jun 08, Air Nat. Guard C-130 crash, touch-and-go-landing, Greenville, MS -- 6
 1992 -- Oct 07, WV Air National Guard C-130 plane crash, Berkeley Springs, WV -- 6
 1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY -- 6

1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico -- 5
 1945 -- May 27, USAAF XP-55 Ascender crash debris hits car, air show, Wright Field, Dayton OH-- 5
 1952 -- Apr 14, USN P2V Ventura patrol bomber crash, Brunswick NAS, ME -- 5

¹³³ One plane accounting for three of the deaths, was a US Army Beech U-21.

1972 -- Feb 19, USAF C-130 (5) & T-37 (0) planes collide, near Little Rock AFB, AR	--	5
1978 -- Dec 10, USAF C-130 Hercules plane crash, landing phase, Ft. Campbell, KY	--	5
1989 -- Dec 01, plane crash, US Army CASA 212, Patuxent River NAS, MD	--	5
1996 -- Mar 07, US Army Chinook from Fort Campbell crashes near Olmstead, KY	--	5
1987 -- Sep 28, bird strike and plane crash, USAF B1-B, La Junta, CO	--	3

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

	1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico--	5
1.	1922 -- Feb 21, US Army dirigible <i>Roma</i> crashes, Hampton Roads Naval Base, VA --	34
	1922 -- Sep 23, US Army bomber crash, "Flying Circus," Mitchel Field, Mineola, NY--	6
2.	1925 -- Sep 3, Navy Dirigible <i>Shenandoah</i> Crash, Noble County, OH --	14
3.	1933 -- Apr 04, Dirigible Crash, USS <i>Akron</i> (Navy ZRS-4), off Coast of NJ ¹³⁴ --	75
4.	1938 -- Feb 02, USN PBV-2 Bombers Collide off Coast of Southern CA --	11
5.	1938 -- Mar 30, war games, 2 USN Consolidated patrol bombers crash, off Oahu, HI --	11
6.	1939 -- Aug 11, two USAAF Plane Crashes, Langley Field VA (9); Miramar CA (2) --	11
7.	1940 -- Jun 17, two USAAF Bombers Collide/Crash, Bellerose Manor, Queens, NY --	12
8.	1941 -- Jan 04, USN transport <i>R2D-1</i> Landing Crash, San Diego, CA --	11
9.	1941 -- Nov 2, US Naval Patrol "Flying Boat" Crashes, mountain ~Krisuvik, Iceland --	12
10.	1941 -- Dec 30, 3 USAAF Planes Crash in CA; ~Allensworth, Keller Peak, Oakland --	11
11.	1942 -- Jan 14, five USAAF Planes Crash, AL, ID, NH, TX, VA --	15
12.	1942 -- Jan 17, 3 USAAF crashes, Riverside CA, Pendleton Field OR, Curtis Field TX--	10
13.	1942 -- Feb 4, USAAF planes crash, Lake Tahoe NV, Brooks Field TX, Trinity Ctr CA--	10
14.	1942 -- Feb 11, Four USAAF Planes Crash, Taft, Lemoore CA, Granby CT, WA --	13
15.	1942 -- Feb 20, Seven U.S. Military Planes Crash, CA, Wash. DC, TX (2), WA (2) --	13
16.	1942 -- Mar 05, 2 USAAF Plane Crashes, St. Lucie Riv., Port Sewall, FL; off NC/VA--	15
17.	1942 -- Mar 15, USAAF B-17 Flies into Mountain near Pendleton, OR --	10
18.	1942 -- Mar 18 Eleven USAAF Planes Crash, CA (5), OH (4), TX, WV --	11
19.	1942 -- Apr 02, Six USAAF Planes Crash, AR, CA, GA (2), TX, WA --	12
20.	1942 -- Apr 03, Seven USAAF Planes Crash: ID, LA, NC, RI, SC, TX --	20
21.	1942 -- Apr 05, USAAF B-17 Flying Fortress Plane Crash, Oahu, HI --	10
22.	1942 -- Apr 12, Two U.S. Navy Bombers Crash near Livermore, CA --	14
23.	1942 -- Apr 16, Two USAAF Planes Crash, Chesapeake Bay; MacDill Field, FL --	10
24.	1942 -- Apr 29, Four USAAF Planes Crash -- Kodiak, AK; Smyer, TX; Orlando, FL --	15
25.	1942 -- May 3, 3 USAAF Crashes Or/WA, Meacham, Pleasant Val., OR; McChord Field, WA--	17
26.	1942 -- May 06, USAAF B-17 Disappears, Training Flight, Gulf of Mexico --	10
27.	1942 -- May 12, Five USAAF Planes Crash, IL, OK (4), Paine Field, near Everett, WA--	12
28.	1942 -- May 15, Four USAAF Crashes, CA (2), ~Wendover Field, UT, ~Mason, TX --	10
	1942 -- May 24, USAAF Transport Plane Crashes in swamp near Howe Brook, ME --	6
29.	1942 -- June 01, Planes Crash, Two USAAF (MD and PA) and one US Navy (CA) --	9-10
30.	1942 -- June 04, US Army AF LB-30 Crash, near Hamilton Field, CA --	14
31.	1942 -- June 05, USN PBV-5A Plane Lost, NAS Pensacola to Gulf of Mexico --	10
32.	1942 -- June 08, USN Airships Collide, <i>Defender/G-1</i> , Ocean, near Lakehurst, NJ --	12
33.	1942 -- July 01, US Army AF Douglas C-49E Crash, Near Premier, WV --	21
34.	1942 -- July 18, USAAF B-17 Crash, North Reading, MA --	10
35.	1942 -- July 30, USAAF C-73 Takeoff Crash, Minneapolis, MN --	10
36.	1942 -- Aug 15, US Army AF C-53 Crash, near Garnet Peak, Peru, MA --	16

¹³⁴ 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.

37.	1942 -- Aug 19, USN plane hits tugboat, Coco Solo Navy Base, Panama Ca. Zone	--12-14
38.	1942 -- Sep 11, USAAF B-24 plane crash, Mt. Baldy, AZ	-- 10
39.	1942 -- Sep 22, Eight USAAF planes crash or collide, CT, FL (3), GA, ME (2), PA	-- 25
40.	1942 -- Oct 01, USAAF C-39 Transport Plane Crashes near Caomo, Puerto Rico	-- 22
41.	1942 -- Oct 03, USN Sikorsky Flying Boat <i>Excalibur</i> Crashes, Botwood, NFLD, Can.	-- 11
42.	1942 -- Oct 17, USAAF B-17 Crash, Sierra Grande Mt., NM	-- 11
43.	1942 -- Oct 23, American Air/U.S. Army B-4 Bomber, Palm Springs, CA	-- 12
44.	1942 -- Nov 11, USN Patrol Plane (Banana River NAS) Crash 5M off Melbourne FL	-- 9-11
45.	1942 -- Nov 30, USAAF B-17 Crash, near Sioux City, IA	-- 10
46.	1942 -- Dec 02, USAAF B-17 Crash near Grace, ID	-- 10
47.	1942 -- Dec 05, USAAF C-47 Approach Crash, ~Maxwell Field, Montgomery, AL	-- 12
48.	1942 -- Dec 30, U.S. Army Air Force B-17 Crash, Musselshell, MT	-- 12

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

49.	1943 -- Jan 02, USAAF B-17 Crash, Elko, NV	-- 10
50.	1943 -- Jan 06, USAAF B-24 Crash, White City, KS	-- 11
51.	1943 -- Jan 06, USAAF B-24 Crash, Madill, OK	-- 10
52.	1943 -- Jan 12, USAAF B-24 Crash, Alamogordo, NM	-- 10
53.	1943 -- Jan 15, USAAF B-17 Crash, Gowen Field, ID	-- 10
54.	1943 -- Jan 15, USAAF C-54 (TWA Contract), Crash, Dutch Guiana [Suriname]	-- 35
55.	1943 -- Jan 17, USAAF B-24 Crash, Alamogordo, NM	-- 11
56.	1943 -- Jan 18, USAAF B-24 Crash, Bassett Peak, AZ	-- 11
57.	1943 -- Jan 21, Pan Am 1104 (USN Transport) Crashes, Mt. ~Boonville & Ukiah CA	-- 19
58.	1943 -- Jan 24, USAAF B-17 Crash, near Ordway, CO	-- 10
59.	1943 -- Jan 24, USAAF B-24 Crash, Ruidoso, NM	-- 10
60.	1943 -- Jan 24, USAAF B-24 Crash, White Sands Nat. Monument, NM	-- 11
61.	1943 -- Jan 25, U.S. Army Air Force B-17 Crash, New Albany, OH	-- 12
62.	1943 -- Jan 26, USAAF B-23 Dragon Crash, Flomaton, AL	-- 10
63.	1943 -- Jan 31, USAAF Consolidated Liberator Crash, Tucson, AZ	-- 11
64.	1943 -- Feb 05, Mid-air Collision, 2 USAAF B-25 Bombers, Newberry, SC	-- 14
65.	1943 -- Feb 11, USAAF Bomber Crash, Near Walla Walla, WA	-- 10
66.	1943 -- Feb 17, U.S. Army Air Force B-17 Crash, near Huron, SD	-- 12
67.	1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA ¹³⁵	--32-34
68.	1943 -- Feb 25, USAAF B-17 Crash, near Glenrock, WY	-- 10
69.	1943 -- Feb 26, USAAF B-17 Crash, Biggs Field, El Paso, TX	-- 10
70.	1943 -- Feb 28, USAAF B-26 Bombers (2), Mid-Air Collision, Avon Park, FL	-- 11
71.	1943 -- Mar 22, USAAF Plane Crash, Army Air Field, Harlingen, TX	-- 10
72.	1943 -- Mar 27, USAAF C-47 explosion, structural failure, crash, Oliver Springs, TN	-- 11
73.	1943 -- Mar 29, USAAF B-17 42-5313 Crash, Ephrata AFB, WA	-- 11
74.	1943 -- Apr 12, USAAF Plane Crash, near Davis-Monthan Field, Tucson, AZ	-- 10
75.	1943 -- Apr 15, USAAF Crash, Buckingham Army AF, Fort Myers, FL	-- 11

¹³⁵ Though the Boeing employees were civilians, they were under contract to the military for a military bomber.

- 76. 1943 -- Apr 21, USAAF C-69A plane crash, Evansville Municipal Airport, IN -- 10
- 77. 1943 -- Apr 21, USAAF B-24 plane crash, approx. 210 miles off Virginia Beach, VA -- 10
- 78. 1943 -- Apr 23, USAAF, B-26C planes collide, Army Air Base, Venice, FL -- 13
- 79. 1943 -- Apr 26, USAAF B-24D Crash, near Ballinger, TX -- 10
- 80. 1943 -- Apr 29, USAAF B-24 Lost, Hamilton Field, CA to Hickam Field, HI -- 10

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

- 81. 1943 -- May 07, USAAF B-17F Plane Crash, Army Air Base, Dalhart, TX -- 11
- 82. 1943 -- May 08, Crash, USAAF C-47, near Tinker Field, Oklahoma City, OK -- 15
- 83. 1943 -- May 13, Collision, USAAF B-24's, near Biggs Field, El Paso, TX -- 15
- 84. 1943 -- May 15, Fog/Crash, USAAF C-47, Ginger Cake Mountain, NC¹³⁶ -- 18
- 85. 1943 -- May 16, USAAF B-17's Collide/Runway, Ephrata Army AB, WA -- 10
- 86. 1943 -- May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog, Chicago IL¹³⁷ -- 12
- 87. 1943 -- May 22, USAAF B-17 Crash, Army Air Base, Rapid City, SD -- 11
- 88. 1943 -- May 23, USAAF B-17F crash, Yellowstone National Park, MT -- 10
- 89. 1943 -- May 29, USAAF B-24 Plane Lost, Pacific Ocean off Coast of CA -- 10
- 90. 1943 -- May 31, USAAF C-67 Plane Crash, Smith Creek Valley, NV -- 11

- 91. 1943 -- June 13, Two USAAF B-17F Bombers Collide near Fedora, SD --10-11
- 92. 1943 -- June 25, Navy Plane Crashes, St. John River near Green Cove Springs, FL -- 13
- 93. 1943 -- June 26, Six USAAF Plane Crashes/Collisions, CA (2), FL (2), ME, SC -- 16
- 94. 1943 -- June 28/29, USAAF Plane Crash, Big Horn Mts., Cloud Peak, WY -- 10
- 95. 1943 -- June 29, USAAF B-24E Crash,, Alamogordo Army Air Base, NM -- 10

- 96. 1943 -- July 02, USN VF-5 Plane Crash, Table Top Mt. ~NAS Dutch Harbor, AK --10-11
- 97. 1943 -- July 03, USAAF B-17F Plane Crash, White City, KS -- 10
- 98. 1943 -- July 05, USAAF B-24E crash, fog, Green Mt., San Miguel Island, CA -- 12
- 99. 1943 -- July 07, USN PB4Y1 Liberator Plane Crash, off NAS Barbers Pt., Oahu, HI-- 11
- 100. 1943 -- July 15, USAAF B24D sea crash at end of runway, Castle Harbour, Bermuda-- 11
- 101. 1943 -- July 19, USAFF B-24E Crash, Taylor Canyon, 27 mi NE of Gunnison, CO -- 11
- 102. 1943 -- July 19, Plane Crash, USAAF C-53D, near Malcolm and Lincoln, NE -- 13
- 103. 1943 -- July 21, USAAF B-26C's Collide, near Parrish, FL -- 10
- 104. 1943 -- July 24, USAAF B-17A Crash, near Army Air Base, Ephrata, WA -- 13
- 105. 1943 -- July 28, USAAF B-24E Structural Failure/Crash, Adena, CO -- 12
- 106. 1943 -- July 28, USAAF B-24E Crash, 12 mi. N Biggs Field, El Paso, TX -- 11

- 107. 1943 -- Aug 1, US Army Air Force CG-4 Glider Demo Flight Crash, St. Louis, MO-- 10
- 108. 1943 -- Aug 09, U.S. Navy bomber Crashes into bus, Pearl Harbor Navy Yard, HI -- 11
- 109. 1943 -- Aug 10, Two Walla Walla USAAF bombers crash, ~Cecil, OR, Paterson, WA-- 15
- 110. 1943 -- Aug 12, USAAF B-24A Plane Crash, near Indio, CA -- 10
- 111. 1943 -- Aug 14, USAAF B-24E Plane Crash, Shoshone Nat. Forest, ~Dubois, WY -- 11
- 112. 1943 -- Aug 14, USAAF B-24E Plane Crash, near Ellsworth, KS -- 11
- 113. 1943 -- Aug 16, USAAF B-24E Plane Crash, near Pueblo, CO -- 10

¹³⁶ Cross-listed under Fog as contributing condition.

¹³⁷ Cross-listed in Fog as a Contributing Factor.

114.	1943 -- Aug 16, USAAF B-24E plane crash, Gowen Field, Boise, ID	--	10
115.	1943 -- Aug 18, USAAF B-24E plane crash, Otero County, NM	--	12
116.	1943 -- Aug 18, USN patrol plane, VP-210, crashes off Montauk Pt., Long Isl., NY	--	12
117.	1943 -- Aug 18, USAAF B24 plane crash, Gulf of Mexico, off Corpus Christi, TX	--	10
118.	1943 -- Aug 24, USAAF B-17 Crash, Gibson Ranch, near Dovetail & Winnett, MT	--	11
119.	1943 -- Aug 27, USAAF B-24 Crash, Cheyenne Mt., near Peterson Field, CO	--	10
120.	1943 -- Aug 28, 3 USAAF Planes Collide, near Army Air Base, Harvard, NE	--	14
121.	1943 -- Aug 29, USAAF B-24E Plane Crash, near Wendover Field, UT	--	10

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

122.	1943 -- Sep 01, USAAF B-17F Explosion/Crash, near Fort Benton, MT	--	10
123.	1943 -- Sep 02, USAAF B-24E Crash, near Army Air Base, Sioux City, IA	--	10
124.	1943 -- Sep 05, USAAF B-17F Plane Crash, Lake Cormorant, MS	--	10
125.	1943 -- Sep 05, USAAF Skytrooper Crash, near Sedalia, MO	--	11
126.	1943 -- Sep 06, USAAF B-17F Plane Crash, near Rapid City, SD	--	10
127.	1943 -- Sep 10, Mid-Air Collision, 2 USAAF B-17's, off Galveston, TX	--	22
128.	1943 -- Sep 20, Military Transport Crash, Laurinburg-Maxton Army Air Base, NC	--	25
129.	1943 -- Sep 22, USAAF B-24D Plane Crash, near Waldo, KS	--	11
130.	1943 -- Sep 22, Plane Crash, USAAF C-53, near Calcutta, India	--	20
131.	1943 -- Sep 28, USAAF B-24H Plane Crash, near Fountain, CO	--	11
132.	1943 -- Sep 30, USAAF B-24H, Plane Crash, near Villa Santa Maria Del Norte, CO--		11
133.	1943 -- Oct 01, USAAF B-24D Plane Crash, Elk, CA	--	10
134.	1943 -- Oct 03, USAAF B-17F Crash, Army Air Field, Brooksville, FL	--	11
135.	1943 -- Oct 04, USAAF B-24D Crash, Army Air Base, Blythe, CA	--	10
136.	1943 -- Oct 06, USAAF B-24D Lost, Pacific Ocean off northern CA/OR	--	10
137.	1943 -- Oct 14, USAAF B-24D Plane Crash, Neighbours, CA	--	10
138.	1943 -- Oct 15, USAAF B-24E Crash, near Army Air Base, Blythe, CA	--	10
139.	1943 -- Oct 22, US Army Air Force C-47 Crash, Lawson Field, Ft. Benning, GA	--	20
140.	1943 -- Oct 22, Crash, USAAF B-17, Arkansas River, near Ponca City, OK	--	14
141.	1943 -- Oct 24, USAAF Crash, Smokey Hill Army Air Field, Salina, KS	--	10
142.	1943 -- Oct 25, Two USAAF B-24H Planes Collide, near Milligan, NE	--	17
143.	1943 -- Oct 29, USAAF B-24E Crash, Cucamonga Peak, Fontana, CA	--	10
144.	1943 -- Oct 29, Crash, USAAF B-24, Atlantic off West Palm Beach, FL	--	14
145.	1943 -- Oct 29, USAAF C-47 Crashes at Hoffman-Mackall AAF, NC	--	14
146.	1943 -- Nov 03, USAAF B-24J Plane Crash, near Pueblo, CO	--	10
147.	1943 -- Nov 18, USAAF B-24J Plane Crash, near Melrose, NM	--	12
148.	1943 -- Nov 18, USN Transport Plane Crash, 30 miles E of Rio De Janeiro, Brazil-17 of 18		
149.	1943 -- Nov 19, USAAF B-17F Crash, near Thonotosassa, FL	--	10
150.	1943 -- Nov 25, USAAF B-24E's Collide, ~ Army Air Field, Liberal, KS	--	11
151.	1943 -- Dec 04, B-24 Bomber Crash, near Elverson, PA (near Reading, PA)	--	9-10
152.	1943 -- Dec 07, Navy planes collide, bomb falls, Marines on ground die, Maui, HI ¹³⁸ -20-22		

¹³⁸ Cross-listed under Explosions.

- 153. 1943 -- Dec 13, USN PBM-3S, VP-213, BuNo 48126 lost on patrol off NC Coast -- 18
- 154. 1943 -- Dec 13, USAAF B-17F plane crash, near Rosebud, SD -- 10
- 155. 1943 -- Dec 14, USAAF B-24J plane crash, near Omaha, NE -- 16
- 156. 1943 -- Dec 15, USAAF B-17 plane crash, Army Air Base, Ardmore, OK -- 12
- 157. 1943 -- Dec 19, Two USAAF B-24s Crash -- near Sausalito, CA and near Burley, ID-- 17
- 158. 1943 -- Dec 22, USAAF B-24 Crash, near Morrison Field, West Palm Beach, FL -- 14
- 159. 1943 -- Dec 29, Mid-Air Collision 2 USAAF B-24's, Near Lakeside, UT -- 25

AVIATION Disasters **Subset** -- **MILITARY Craft and Charters** -- **CHRONOLOGICAL**

- 160. 1944 -- Jan 02, USAAF B-17G Breakup, McClellan Field, Sacramento CA -- 13
- 161. 1944 -- Jan 03, USAAF B-24J Plane Crash, 25 miles SE of Muroc, CA -- 10
- 162. 1944 -- Jan 13, USAAF B-17 Crash, near Army Air Field, Fort Worth, TX -- 10
- 163. 1944 -- Jan 22, USAAF Collision, Gulf of Mexico, near Little Marco Pass, FL -- 10
- 164. 1944 -- Jan 24, USAAF C-60 & AT-7 Collide, near Farmersville, LA -- 10
- 165. 1944 -- Jan 20, USN PB4Y-1 Liberator 32163 Crash after takeoff, Camp Kearny, CA-- 13
- 166. 1944 -- Jan 26, Navy Patrol Plane Crashes, Key West Naval Patrol Station, FL --11-12

- 167. 1944 -- Feb 03, USAAF B-26B's Collide, near Garland, AR -- 13
- 168. 1944 -- Feb 07, Two USAAF Planes Crash, Parkton, NC, Wendover Field, UT -- 13
- 169. 1944 -- Feb 12, Two USAAF B-17's Collide, one Crashes, Mill Creek, OK -- 10
- 170. 1944 -- Feb 12, USAAF B-25's Collide, ~ Army Air Base Greenville, SC -- 19
- 171. 1944 -- Feb 16, USN Air Transport Unit Flight Missing, NAS Seattle to Kodiak, AK-- 14
- 172. 1944 -- Feb 16, USAAF B-17F Plane Crash, Wimauma, FL -- 12
- 173. 1944 -- Feb 18, USAAF B-24's Collide, near Williams Field, AZ -- 17
- 174. 1944 -- Feb 22, USAAF B-17F Crash, Kittatinny Mt., Warren Ct., NJ -- 12
- 175. 1944 -- Feb 23, USN North Amer. PBJ-1D Mitchell Bombers Collide ~Bern, NC -- 10
- 176. 1944 -- Feb 25, USAAF Planes Collide, Army Air Field, Las Vegas, NV -- 12
- 177. 1944 -- Feb 26, USAAF, B-24E Plane Lost, Atlantic Ocean, off SE Coast -- 10
- 178. 1944 -- Feb 26, USAAF B-17 Plane Crash, near Palmer Lake, CO -- 10

- 179. 1944 -- Mar 03, USAAF B26's Collide, ~ Barksdale Field, Shreveport, LA -- 12
- 180. 1944 -- Mar 05, USAAF B24 Explodes/Cashes, Atlantic Ocean, off FL -- 12
- 181. 1944 -- Mar 06, USAAF B17G Plane Crash, near Maxwell, IA -- 10
- 182. 1944 -- Mar 15, USAAF Bomber Crashes, Bull Mountain, ~Stuart, southwest VA -- 11
- 183. 1944 -- Mar 18, USAAF B24H Crash, near Davis-Monthan Field, Tucson AZ -- 10
- 184. 1944 -- Mar 20, USAAF RB-24E Crash, near Biggs Field, El Paso, TX -- 10
- 185. 1944 -- Mar 26, USAAF, B-24 Crash, near Naval Air Station, Melbourne, FL -- 10

- 186. 1944 -- Apr 07, USAAF B-24H Lost, Atlantic Ocean, off coast of MA -- 11
- 187. 1944 -- Apr 09, USAAF B-24D Crash, near USMC Air Station, Mojave, CA -- 10
- 188. 1944 -- Apr 11, US Navy War Eagles VP-16 Orion Crashes east of Columbus, NM -- 12
- 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
- 189. 1944 -- Apr 24, USAAF B-24H Plane Crash, near Epsom, NH -- 10
- 190. 1944 -- Apr 24, USAAF B-17G Crash, near Ardmore Army Air Field, OK -- 11
- 191. 1944 -- Apr 25, USAAF B-24's Collide, near Yuma Army Air Field, AZ -- 12

192. 1944 -- Apr 28, Navy R4D transport plane crashes, Anderson Mesa, northern AZ -- 19
 193. 1944 -- Apr 29, USAAF RB-24E Liberator bomber plane crash, near Merna, NE -- 10

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

194. 1944 -- May 05, USAAF plane crash, out of Hickam Field HI, Aiea Ridge, Oahu, HI-- 10
 195. 1944 -- May 10, USAAF Plane Crash, near Biggs Field, El Paso, TX -- 10
 196. 1944 -- May 16, USN Dirigible Airship K-5 Crash, Lakehurst NAS, NJ -- 10
 197. 1944 -- May 18, USAAF B-17 Crash, near Rapid City Army Air Base, SD -- 10
 198. 1944 -- May 19, USN 32226 PB4Y-1 Liberator Plane Crash ~MCAS Cherry Point, NC--13
 199. 1944 -- May 26, USAAF B-17G Plane Crash, Ronald Horn farm, near Anthon, IA --10-11
 200. 1944 -- May 27, USAAF B-24J Crash, Westover Field, Chicopee, MA -- 10
 201. 1944 -- May 29, USAAF B-17G Plane Crash, near Ridgely, TN -- 10
 202. 1944 -- May 30, USN PB4Y and F4F Collide, Palomar Mt., San Diego County, CA -- 12
 203. 1944 -- May 30, USN PB4Y1 Liberator emer. landing crash, NAAS Chincoteague, VA--11

 204. 1944 -- June 06, USN PB4Y-1 Takeoff Crash into building, Camp Kearney, CA --17-18
 205. 1944 -- June 07, USAAF B-24J Plane Crash, near Chappell, NE -- 10
 206. 1944 -- June 08, USAAF Bombers Collide, Homes Burn, Kill Civilians, Honolulu, HI-- 14
 207. 1944 -- June 13, USAAF B-24E Bomber Crash, Green Knob Mt., near Asheville, NC-- 10
 208. 1944 -- June 20, USAAF B-24J Lost, Atlantic Ocean, off Southeast Coast -- 10
 209. 1944 -- June 22, USAAF B-24J Crash, near Walla Walls Army Air Field, WA -- 10
 210. 1944 -- June 29, USAAF B-24D Plane Crash, near Tobe, CO -- 10
 211. 1944 -- June 30, USAAF B-24J Plane Lost, off Myrtle Beach, SC -- 10

 212. 1944 -- July 02, USAAF B-29 Breaks-up/Storm/Crashes, near Harmon, OK -- 11
 213. 1944 -- July 04, USAAF B-24J Planes Collide, near Palm Springs, CA -- 10
 214. 1944 -- July 11, USAAF B-17G Crash, Deer Mountain near Rangeley, ME -- 10
 215. 1944 -- July 11, Mil. Plane Crash/Fire/Fog, Trailer Camp, S. Portland, ME¹³⁹ -- 19
 216. 1944 -- July 20, USAAF B1-17F's Collide, Brooksville, FL -- 10
 217. 1944 -- July 20, USAAF B-24's Collide, near Roswell, NM -- 10
 218. 1944 -- July 21, 3 USAAF C-47s Lost, Atlantic, 25M off Cape Fear, NC -- 15
 219. 1944 -- July 19, USAAF Consolidated Liberator Crash, Touchet, WA -- 12
 220. 1944 -- July 23, USAAF B-24J Fire/Crash, near Chatham Field, Savannah GA -- 10
 221. 1944 -- July 25, USAAF B-24 Crash, San Pablo Bay, near San Rafael, CA -- 10
 222. 1944 -- July 26, US Army AF Douglas C-54 Crashes off Greenland -- 26
 223. 1944 -- July 27, Plane Crash, USAAF C47A, Isle of Mull, ~Port Logan, Scotland --US/22
 224. 1944 -- July 30, USAAF B-17 Breaks-up/Crashes, 6M from St. Marks, FL -- 10

 225. 1944 -- Aug 01, USAAF B-24's Collide ~Furnace Creek, Death Valley, CA -- 17
 226. 1944 -- Aug 03, USAAF Douglas D-47 Crash, Thunderstorm, Napier, NE -- 28
 227. 1944 -- Aug 05, USAAF B17G's Collide, near Dixon, NE -- 17
 228. 1944 -- Aug 09, USAAF B-24J Plane Fire/Crash, near Kiowa, CO -- 10
 229. 1944 -- Aug 21, USAAF YB-29 Plane Crash, 25M near Alamogordo, NM -- 10
 230. 1944 -- Aug 21, USAAF B-24J's Collide, near Model, CO -- 18

¹³⁹ Cross-listed under Fog as contributing condition.

231. 1944 -- Aug 27, USAAF B-17G plane crash, 20 miles near Bay St. Louis, MS -- 10
 232. 1944 -- Aug 28, plane crash, USAAF Douglas C54A, Prestwick, Scotland --20 US of 25

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

233. 1944 -- Sep 01, USAAF B-24J plane crash, near Muroc Army Air Field, CA -- 10
 234. 1944 -- Sep 17, Liberal AA Field USAAF B-29 plane crash, near Copeland, KS¹⁴⁰ -- 12
 235. 1944 -- Sep 18, USAAF Douglas C-47 crash, Denali State Park, ~Talkeetna, AK -- 19
 236. 1944 -- Sep 24, USAAF Douglas C-47 crash, Camp Mackall, NC -- 12
 237. 1944 -- Sep 27, USAAF RB-24E plane crash, near San Jon and Tucumcari, NM -- 11
 238. 1944 -- Sep 29, USN PBM-3D crash, southeast of Palau Island, West Central Pacific-- 10
239. 1944 -- Oct 08, USAAF B-29 plane crash, near Love Field, Dallas, TX -- 15
 240. 1944 -- Oct 15, USAAF B-29 plane crash, Alamogordo Army Air Base, NM -- 12
 241. 1944 -- Oct 17, USAAF B-24J plane crash, 12M NE of Ukiah, OR -- 10
 242. 1944 -- Oct 18, USAAF B24H plane crash, near Birkenhead, Merseyside, England -- 24
 243. 1944 -- Oct 24, USAAF B-17F plane crash, near Russell, KS -- 12
 244. 1944 -- Oct 24, USAAF B-29 plane crash, near Barksdale Field, Shreveport, LA -- 11
 245. 1944 -- Oct 26, USAAF C-46A's collide, Reno Army Air Base, NV -- 12
 246. 1944 -- Oct 29, USAAF B-17F plane crash, near Chatham Field, Savannah, GA -- 10
247. 1944 -- Nov 03, USAAF planes collide, near Kingman Army Air Field, AZ -- 15
 248. 1944 -- Nov 06, USN planes collide, St. Johns River near NAS Jacksonville, FL -- 18
 249. 1944 -- Nov 07, USN PB4Y-1 Liberator plane crash, off Fort Monroe, VA -- 12
 250. 1944 -- Nov 10, USAAF B-29 plane crash, near Clovis Army Air Field, NM -- 15
 251. 1944 -- Nov 11, USAAF C-47B crash, Strawberry Peak, near Glendale, CA --12-13
 252. 1944 -- Nov 11, US Air Transport Command C-54 crash 50 miles off Oahu, HI -- 17
 253. 1944 -- Nov 13, USAAF C-47 crash near Army Air Base, Casper, WY -- 11
 254. 1944 -- Nov 18, USAAF B-24J plane crash, near March Field, Riverside, CA -- 11
 255. 1944 -- Nov 19, USAAF C-47A plane crash, near Brighton and Lewes, England --24US/25
 256. 1944 -- Nov 29, USAAF B-24 Liberator plane crash, Middle Mt., Nottingham, NH -- 9-10
 257. 1944 -- Nov 30, USAAF B-24's collide near Davis-Monthan AAF, Tucson, AZ -- 18
258. 1944 -- Dec 05, USAAF P-47/B-24J planes collide near Walterboro AAF, SC -- 13
 259. 1944 -- Dec 7, USAAF AT-18 transport takeoff crash/fire, Omaha Municipal AP, NE-- 17
 260. 1944 -- Dec 08, USAAF AT-18 planes collide, Sioux Falls Army Air Field, SD -- 10
 261. 1944 -- Dec 22, USAAF B-24 plane crash, Mt. Gleason, La Crescenta, CA -- 10
 262. 1944 -- Dec 25, USAAF C-47 plane crash, Black Mesa Mountain, Quartzsite, AZ -- 17
 263. 1944 -- Dec 25, USAAF C-47A plane crash, Roundtop Mt. near Harrisburg, PA --11-12
 264. 1944 -- Dec 27, USAAF B-24J plane crash, near Mattituck, Long Island, NY -- 11
 265. 1944 -- Dec 29, USAAF B-24J plane break-up and crash, near Meridian, ID -- 10
 266. 1944 -- Dec 29, USAAF C-47A crash into hillside near Adak Army Air Base, AK --all 13
 267. 1944 -- Dec 30, USAAF B-29 plane fire and crash, near Walker AAF, KS -- 10
268. 1945 -- Jan 06, USAAF C-46 crash, Himalayan mt.-side, Arunachal Pradesh, NE India--all 13

¹⁴⁰ Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.

- 269. 1945 -- Jan 8, TX: USAAF B-26 bombers collide ~Brownsville/9; A-20 Havoc crash SW San Anton./1--10
- 270. 1945 -- Jan 09, USAAF B-24 breakup and crash near Chatham Field, Savannah, GA-- 11
- 271. 1945 -- Jan 15, USN R4D-5 & USAAF Stinson collide on runway, Tacloban AP, Philippines--21
- 272. 1945 -- Jan 17, USAAF B-17F engine fire and crash 6M NW of Bay Minette, AL -- 11
- 273. 1945 -- Jan 09, USAAF B-29 lost at sea (Atlantic?), Pratt AAF KS to Puerto Rico -- 16
- 274. 1945 -- Jan 20, USAAF B-24J landing approach crash, 2½M SE of Muroc AAF, CA-- 10
- 275. 1945 -- Jan 24, two USAAF B-17Fs in flight of five collide/crash ~5M NE of Dyersburg, TN-16
- 276. 1945 -- Jan 26, USN PB4Y-1 Liberator landing crash, near NAAS Jacksonville, FL -- 11
- 277. 1945 -- Jan 26, USAAF B-17G plane crash, near Hendricks Field, Sebring, FL -- 10

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

- 278. 1945 -- Feb 01, USN PBV-5A crash, night navigation trng., Kaneohe NAS, Oahu, HI-- 10
- 279. 1945 -- Feb 02, Florence to Rome USAAF C-47 mt. crash in fog 3M W of Montieri, Italy--23
- 280. 1945 -- Feb 04, USAAF C-46 Commando on-board fire, crash ~55M NW Jorhat, India-- 34
- 281. 1945 -- Feb 09, USAAF B-24D Liberator crash into side of mountain near Denio, OR-- 11
- 282. 1945 -- Feb 12, USAAF B-24D stalls, pilot loses control, crash, 15M SW of Troy, OR-- 10
- 283. 1945 -- Feb 13, USN transport crash, wing hits water, early AM takeoff, off Alameda, CA-24
- 284. 1945 -- Feb 14, USAAF B-24 approach crash in adverse weather, 12M NE Gander AP, Nfld.- 10

- 285. 1945 -- Mar 03, USAAF C-47 transport too-low landing turn crash, Ledo Airfield, India--27
- 286. 1945 -- Mar 03, USAAF C-47 Prestwick-Orly AP approach crash, NW of Paris, France--all 16
- 287. 1945 -- Mar 03, USAAF B-17 too-low plane crash in heavy rain, near Winnfield, LA-- 11
- 288. 1945 -- Mar 5, bomber/fighter collide, Kissimmee FL; C-60A crash into hangar, Dayton OH-- 16
 --8 USAAF bomber/fighter takeoff/landing runway collision Kissimmee AAF, FL
 --8 Pilot loses control of C-60A Lodestar on takeoff, crashes into hangar; explodes
- 289. 1945 -- Mar 06, USAAF B-24D, AP approach crash, 1M ~Mountain Home AAF, ID--all 10
- 290. 1945 -- Mar 10, USAAF C-46 med. evac. flight mt. crash ~Tanauan Airfield, Leyte, Philippines-- 37
- 291. 1945 -- Mar 10, USAAF B-24, crash, Atlantic near Montauk Point, Long Island, NY-- 12
- 292. 1945 -- Mar 10, USN PB4Y-1 lost, training flight NAS Jacksonville FL to Bahamas-- 14
- 293. 1945 -- Mar 10, USAAF B-29 engine failure/emerg. crash, Alexandria AAF, LA-- 10

- 294. 1945 -- Apr 01, USAAF B-29 engine fire and crash, 6 miles NE of Alamogordo, NM-- 12
- 295. 1945 -- Apr 08, USAAF B-17F flies into mountain at night near Tellico Plains, TN --all 10
- 296. 1945 -- Apr 11, two USAAF TB-17Fs AP approach collision near Jackson AAB, MS-- 14
- 297. 1945 -- Apr 11, Charleston SC-based USAAF B-24J crash at sea off Charleston, SC--all 11
- 298. 1945 -- Apr 16, USAAF B-29 ferry flight too-low approach hits water, Pango Bay, Guam-- 12
- 299. 1945 -- Apr 16, USAAF Beech AT-11s collide, bombing training near Big Spring, TX-- 10
- 300. 1945 -- Apr 17, US Navy VB-4 patrol plane crash, trng. exercise, near Mayport, FL -- 12
- 301. 1945 -- Apr 19, USN R4D-5 crash in fog after takeoff, Gooseberry Hill, Australia --all 13
- 302. 1945 -- Apr 20, USAAF C-47 breakup and crash, thunderstorm, near Sweetwater, TX-- 25
- 303. 1945 -- Apr 23, USAAF B-17 taking on-leave troops to Ireland, crash ~Ramsey, Isle of Man--31
- 304. 1945 -- Apr 24, USAAF B-29A engine fire/crash, Gulf of Mex. ~off 100M SW Key West, FL--11
- 305. 1945 -- Apr 27, USAAF C-46 plane crash, Palo Duro Canyon, south of Claude, TX --all 11

- 1945 -- May 03, USN blimp engine fire leads to cover fire and crash, Santa Ana, CA-- 8

306. 1945 -- May 04, four USN/USAAF aircraft crash, three in CA, one ~Caylor, VA -- 25
 --4 USN Beechcraft AT-11 hits Cumberland Mt. flying low, heavy fog ~Caylor, VA
 --7 USN PBY-5A Catalina hits hillside in initial climb ~Ft. Baker SF Bay area CA
 --6 USAAF B-26 engine cutting out after takeoff, crash Hwy-41, Pinedale CA
 --8 USAAF B-24J March Field takeoff crash ~8M NW near Edgemont, CA
307. 1945 -- May 05, USAAF C-54 crash into bluff upon takeoff, Manus Island, New Guinea--21
308. 1945 -- May 05, USAAF B-17 crash, night, Charco Azul mts./hills SE of Cienfuegos, Cuba--14
309. 1945 -- May 6, USAAF C-46 carrying litter patients, hits radar towers, Gibbets Hill, UK--31
 --30 on C-46 44-77839 (all), Gibbets Hill, Hindhead, Surry, England
 -- 1 Canadian soldier manning the radar tower station
310. 1945 -- May 06, two USAAF B-17s collide, near Esler Field, Alexandria, LA -- 18
 --9 Boeing B-17F Fortress #42-5355
 --9 Boeing B-17G Fortress #42-31948
311. 1945 -- May 10, USAAF B-17 hits B-17 turbulence/collision/crash, Braintree England-- 11
312. 1945 -- May 11, USAAF B-29 engine failure, crash Indg., MacDill AAF, Tampa, FL--9-11
313. 1945 -- May 12, USAAF B-24 flies into cloud-covered tree-tops ~Anderson Cliff, CA--all 11
314. 1945 -- May 13, USAAF "Shangra-La" sightseeing plane crash, Mt., New Guinea -- 21
315. 1945 -- May 23, US Navy PB4Y-1 Liberator engine failure, crash at sea off Iwo Jima-- 12
316. 1945 -- May 23, USAAF C-46 ambulance flight, engine fire/crash, Taillefontaine, France--44
 1945 -- May 27, USAAF XP-55 Ascender crash debris hits car, air show, Wright Field, Dayton OH--5
317. 1945 -- May 30, USAAF C-47B crash (18 WACs, 3 crew) off Sassandra, Ivory Coast-- 21

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

318. 1945 -- June 04, USAAF B-24L Liberator crash, Caribbean Sea off Jamaica --all 10
319. 1945 -- June 06, USAAF B-29 ferry to US crash after takeoff from Kwajalein Atoll -- 10
320. 1945 -- June 11, USAAF B-29 structural failure in thunderstorm, crash ~Rush Springs, OK--10
321. 1945 -- June 13, USAAF B-24 flight to US crashes, Sidhean Mor ~Gairloch, Scotland-- 15
322. 1945 -- June 14, USAAF C-46D crash (apparent lightning strike), 6M SE Oakridge, MS-- 17
323. 1945 -- June 16, USAAF C-47 flight to AUS crash on mt. ~Moikisung, Papua New Guinea--12
324. 1945 -- June 17, USAAF B-24, Wales to Azores crash at sea 60M off Finisterre, Spain-- 10
325. 1945 -- June 21, USAAF Catalina test flight lost 110M S off Los Negros, Admiralty Isls.--11
326. 1945 -- June 23, USAAF C-47 crash 17.5M SSE of Ledo Airfield, India, in Burma --all 25
 1945 -- June 29, USAAF TB-24 engine power loss after takeoff/crash, 6M SE Chandler AZ-7
327. 1945 -- June 30, USAAF TB-24J emergency landing crash, Las Vegas Field, NV -- 11
328. 1945 -- June 30, USAAF B-29 night navigation crash into mt., 8M ~Guadalupe Peak, TX--12
- 1945 -- July 01, USAAF B-29 explosion, crash in thunderstorm, 6M S of Benton, KY-- 9
329. 1945 -- July 04, USAAF B-25 missing, mt. terrain, Chengjiang, China to Dinjan, India-- 15
330. 1945 -- July 05, USAAF B-17 bound for US, engine fire/ditches 150M NW Lajes Fld., Azores--15
331. 1945 -- July 8, USAAF B-29 encounters thunderstorm/loses tail/crashes 20M ~Pueblo AAB, CO--13
332. 1945 -- July 10, USN PBM-3C plane missing, last contact off Providence Isl. Bahamas-- 12
333. 1945 -- July 13, USAAF B-24 enters severe turbulence, crash, Southport, ~Panama City, FL--13
334. 1945 -- July 14, USAAF B-29 crash after takeoff, sandstorm? ~Kirtland Fld., Albuquerque NM-13
335. 1945 -- July 14, USAAF TB-25C engine-related crash, 1 mile NW of Weldon, TX -- 11
336. 1945 -- July 17, USAAF B17 night AP approach crash, heavy rain ~Smoky Hill AAB, Salina KS--10

- 337. 1945 -- July 18, USN PB4Y-2 Privateer missing, training flight out of NAS Miami, FL--15-17
- 338. 1945 -- July 22, USAAF B-24M engine problem, crash, James River ~Newport News, VA--11
- 339. 1945 -- July 23, USAAF B-24 engine fire/separation, crash, Tarskavaig, Isle of Skye, Scot.-- 14
- 340. 1945 -- July 25, thunderstorm, USAAF TC-47B wing fails/crash 13M NE of Tampa, FL-- 13
- 341. 1945 -- July 28, USAAF B-25 bomber flies into Empire State Building in fog, NYC¹⁴¹-- 14
- 342. 1945 -- July 30, USAAF B-24 crash in forest near Schofield Barracks, Oahu, HI --all 12

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL

- 343. 1945 -- Aug 1, USAAF B-17 bound for US, engine failure/ditches, Tyrrhenian Sea off W. Italy--13
- 344. 1945 -- Aug 09, USAAF B-24 loses No. 1 engine power, crash ~Buckingham Field, Ft. Myers, FL--11
- 345. 1945 -- Aug 17, two USAAF B-29s collide at night, 3M west of Weatherford, TX -- 18
 --9 USAAF Boeing B-29 Superfortress, 42-93895
 --9 USAAF Boeing B-29 Superfortress, 44-86276
- 346. 1945 -- Aug 22, USN PB4Y-2 loss of control crash into Pacific off San Diego, CA -- 10
- 347. 1945 -- Aug 25, off-course USAAF B-24J flies into mountain, SE of Tollgate, OR -- 15
- 348. 1945 -- Aug 27, USAAF B-29 2nd landing approach, crash, Mt. Tapochau, Saipan --all 10
- 349. 1945 -- Aug 28, USAAF B-32 takeoff power loss, crash, runway-end pit, Yontan, Okinawa--13
- 350. 1945 -- Aug 28, USAAF B-29 crash during violent storm, Toga, Akita, Honshu, Japan-- 10
- 351. 1945 -- Aug 28, USAAF C-47, Philippines for Okinawa-Naha AFB, enters storm front, lost--19
- 352. 1945 -- Aug 30, USAAF B-29 with POW supplies crashes, Mt. Oyajiyama, Japan --all 12

- 353. 1945 -- Sep 01, USAAF B-24J takeoff crash, near Hondo Army Air Field, TX --11-12
- 354. 1945 -- Sep 06, USAAF C-47, intra-Philippine flight reportedly explodes ~San Jancinico Strait- 30
- 355. 1945 -- Sep 07, USAAF B-29 fire and crash, 4½ miles south of Wedowee, AL -- 10
- 356. 1945 -- Sep 10, B-24 Liberator with freed POWs crashes, Taitung, Taiwan --16 US of 25
- 357. 1945 -- Sep 12, USN PB4Y-2 Privateer take-off engine fire/crash ~Master Field, Miami, FL-- 14
- 358. 1945 -- Sep 15, USAAF C-47B takeoff crash (from Fairfax Field, Kansas City, KS), MO-- 23
- 359. 1945 -- Sep 28, USAAF C-46 crash 20 miles southeast of Chihkiang, China -- 20

- 360. 1945 -- Oct 16, USAAF C-47 engine fire, crash 60 mls NW of Saipan, Mariana Islands--12
- 361. 1945 -- Oct 18, USAAF TB-24J engine fire just after takeoff, crash ~Hondo AAF, TX-- 13
- 362.
- 363. 1945 -- Oct 30, USAAF C-47A plane crash into mountain near Cuneo, Italy --all 15
- 364. 1945 -- Oct 31, US Navy R4D-7 transport crash in heavy fog, Rich Mountain, AR -- 14

- 365. 1945 -- Nov 01, too-low USAAF C-47 hits mountain near Bad Herrenalb, Germany-- 26
- 366. 1945 -- Nov 02, USAAF B-29 Superfortress crash, North Field, Guam -- 10
- 367. 1945 -- Nov 03, Consolidated Air, Army transport com., sea crash, 450 mi NE of HI-- 18
- 368. 1945 -- Nov 3, USAAF C-54 wrong route crash, Himalayan Mts. ~Chukha, Bhutan, India-- 44
- 369. 1945 -- Nov 08, two US Navy PBM Mariners collide mid-air, Corpus Christi Bay TX-- 22
- 370. 1945 -- Nov 9, USAAF C-47 AP approach crash at night, poor weather, Palermo, Italy-- 24
- 371. 1945 -- Nov 11, USAAF B-17G, Marseille to Athens, icing crash, Mount Meta, Italy-- 20
- 372. 1945 -- Nov 13, ANA C-49 with USAAC passengers, crashes off Tacloban AP Philippines--16
- 373. 1945 -- Nov 28, USAAF C-47 crash ~Auburn CA/9; USN PBY crash, Palmyra Atoll AP/1--10

¹⁴¹ Cross listed in Fog as contributing condition.

374. 1945 -- Nov 30, USN PB4Y-2 plane missing, NAS Kodiak, AK to NAS Seattle, WA-- 25
375. 1945 -- Dec 03, USAAF C-47B crash 10 miles SE of Carlos Pellegrini, Argentina --all 14
376. 1945 -- Dec 04, USAAF C-47 missing, Monrovia Liberia for Johannesburg, Africa coast--17
377. 1945 -- Dec 05, 5 USN Avengers and USN Mariner search plane lost off east FL coast-- 27
 --14 Flight 19; 5 USN torpedo bombers lost ~100M ENE, Banana River NAS, FL
 --13 USN PBM-5 Mariner search plane lost ~25M SW off Cape Canaveral, FL
378. 1945 -- Dec 08, Northwest Air, C-47 USAAF charter, AP approach crash, Billings, MT--19

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

379. 1946 -- Jan 12, USN PB4Y-2 hits Homonhon Isl. ridge in adverse weather, Philippines-- 10
380. 1946 -- Jan 13, USAAF C-46 initial climb crash into sea, off Majuro, Marshall Islands-- 12
381. 1946 -- Feb 05, USAAF C-47 crash, Negros Island mountainous terrain, Philippines --20-24
382. 1946 -- Mar 7, Kirtland AAB USAAF B-29 disintegrates, Los Lunas bombing range, NM--10
383. 1946 -- Mar 19, USAAF B-17 crash in adverse weather, northern Formosa (Taiwan) --all 10
384. 1946 -- Mar 19, USAAF C-47 structural failure/crash, near Hobart Mills, CA -- 26
385. 1946 -- Mar 23, USAAF C-47 flies into Mount Banahao/Banahaw, Leyte, Philippines-- 19
386. 1946 -- Apr 4, USN R4D-6 transport hits mountain at night ~15M SE Albuquerque, NM--11
387. 1946 -- Apr 8, USAAF C-47 Yan'an approach crash, Mt. Hei Cho, ~Shensi, China --all 17
388. 1946 -- May 10, two USN PB4Y-2 bombers collide when "attacked" in exercise ~Munson, FL--28
389. 1946 -- May 17, USAAF C-47 with POW remains hits hillside, Tripura district, India--all 11
390. 1946 -- June 01, USAAF C-54 cockpit fire, loss-of-control, crash off Amalfi, Italy -- 30
391. 1946 -- June 9, USAAF C-54 hits terrain 500ft below approach altitude, Taboga Isl., Panama-- 23
392. 1946 -- June 12, USAAF B29 crash and fire, Collins Gap, near Clingman's Dome, TN-- 12
393. 1946 -- July 09, USAAF B-17 hits Mount Tom, too-low approach, Westover AFB ~Holyoke, MA-25
394. 1946 -- July 18, USAAF C-47 transport crash, in severe thunderstorm ~Goodland, KS-- 13
395. 1946 -- July 20, two USAAF B-17G search planes collide off Coiba, Panama -- 20
396. 1946 -- July 30, USN PB4Y-2 crash searching for missing US planes, Mindoro Isl., Philippines--10
397. 1946 -- Aug 01, USN PB4Y-2 Privateer crash after takeoff from Camp Kearny MCAS, CA --all 12
 1946 -- Aug 9, USAAF A-26 Invaders collide, ground casualties, No. Montana State Fair, Great Falls-- 7
398. 1946 -- Oct 01, USAAF B-29 Superfortress crash in storm/burns, Buffalo Valley, NV--all 11
399. 1946 -- Oct 11, planes crash; Franconia, VA; near NAS Kaneohe, HI; Rio de Janeiro-- 12
 --5 USAAF B-25 crash in fog, Franconia, 6M west of Alexandria, VA
 --2 USN patrol bomber crashed after takeoff near NAS Kaneohe, Oahu, HI
 --5 USAAF C-45 hits mt. peak in simulated bombing run, Rio de Janeiro, Brazil
400. 1946 -- Nov 16, US Army Air Force DC-47 crashes into Pacific 15M off Iwo Jima --all 23
401. 1946 -- Dec 10, USMC R5C-1 transport flies into So. Tahoma Glacier, Mt. Rainier, WA--32
402. 1946 -- Dec 10, USAAF C-46 takeoff crash near Itami US Air Base, Osaka, Japan--all 23-24
403. 1947 -- Jan 27, USAF B-29 Superfortress crash, Kirtland Field, NM -- 12
404. 1947 -- Feb 04, USN R-4D-5S (DC-3), crashed during storm, off Chincoteague Isl., VA--10
405. 1947 -- Feb 22, US Coast Guard PBM-5 crashes in Mexico on way back to San Diego-- 10
406. 1947 -- Feb 24, USAF B-29 weather reconnaissance plane lost, Bering Sea or W. AK-- 12
407. 1947 -- Apr 19, USAF B-29 takeoff engine fire/explosion/crash, off Kwajalein Island-- 16
408. 1947 -- May 29, USAAF C-54 approach crash near Atsugi Air Base, Japan --all 41

409. 1947 -- June 14 USAAF B-29 plane crash, Hawks Mountain, VT -- 12
 1947 -- July 29, USAAF B-29 Superfortress takeoff crash, Eglin AAF, Valparaiso, FL-- 9
410. 1947 -- Aug 06, US Navy PB5Y-5A plane disappears, Kodiak to Dutch Harbor, AK -- 20
411. 1947 -- Aug 16, USAF B-17 runs out of fuel/ditches 50M off Barbers Point, Kalaheo, HI-- 10
 1947 -- Sep 15, USAF B-17 explodes/crashes, Bush Riv. at Chesapeake Bay ~Aberdeen MD--9
412. 1947 -- Sep 19, USAF C-54 in-flight fire/crash 3.1M SW off Puerto San Juan, Peru -- 14
413. 1947 -- Nov 28, off course USAF C-47 flies into Mt. Carbone, Alps near Cuneo, Italy-- 20
414. 1947 -- Dec 10, USAF C-54 crash after takeoff & emer. lndg. request ~Goose Bay, Labrador, Can.--23
415. 1947 -- Dec 11, USAF C-47 airport approach crash near Memphis, TN --all 20
416. 1947 -- Dec 16, USAF B-29 crash after Davis-Monthan Field takeoff near Tucson, AZ-- 12
 1947 -- Dec 31, USAF B-29 weather recon. plane engine loss/crash after takeoff, ~Elmendorf AFB AK-- 9

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

417. 1948 -- Jan 27, USAF C-47 crash (dependents), snowstorm, Cheval Blanc Mt., France-- 12
 1948 -- Jan 30, USAF B-17 crash, Cheval Blanc Mountain, Southern France -- 9
418. 1948 -- Mar 18, USAF B-29 landing crash in dense fog, MacDill Field, Tampa, FL -- 10
419. 1948 -- May 09, USN PB5Y-6A Catalina plane lost, San Juan, PR to Key West, FL -- 12
420. 1948 -- Aug 05, USN Douglas R4D-6 and civilian Stearman collide ~NAS Miami, FL-- 10
 --10 USN Douglas R4D-6 -- 0 civilian Stearman
421. 1948 -- Aug 11, USN PB4Y-2 flies into cliff, Rota Island (northern Mariana Islands)-- 12
422. 1948 -- Aug 12, USAF B-29 goes out of control on takeoff climb, crashes 6M S Roswell NM--13
423. 1948 -- Aug 20, USAF B-29 engine fire, takeoff attempt, crash, Rapid City AFB ~Rapid City, SD-17
 1948 -- Aug 24, USAF C-47 collides with USAF B-25 (no losses), 5M N of Newton, NJ-- 9
424. 1948 -- Aug 24, USAF B-29 engine loss on takeoff, emer. lndg. crash Hickam AFB, HI-- 16
425. 1948 -- Nov 01, USAF C-47 plane breakup and crash, Thunderstorm, ~Muldrow, OK-- 11
426. 1948 -- Nov 03, US Navy PB4Y-2 plane crash, 10M off Port Moller, Kodiak AK --all 12
427. 1948 -- Nov 03, USAF B-29 crash after takeoff near Lajes Field, Azores, Portugal -- 19
428. 1948 -- Nov 03, USAF B-29 bomber crash, Shelf Moor, near Manchester, England -- 13
 1948 -- Nov 04, USN P2V2 crash, snow-filled canyon, Vancouver Isl. BC, Can. (found 1961)-9
429. 1948 -- Nov 07, USAF B-29 out of Kadena AB, Okinawa, crash at sea NW of Guam-- 11
430. 1948 -- Dec 22, USAF B-50 crash (congealed oil in manifold?) near Fairbanks, AK --all 10
431. 1949 -- Jan 17, USAF B-29 crash, Argyllshire mts. (icing?) ~Lochgoilhead, Scotland-- 20
432. 1949 -- Jan 26, USAF B-29, Dakar, Senegal to Norfolk, UK, lost ~Canary Islands, Spain-- 15
433. 1949 -- July 30, Navy Hellcat hits Eastern Airlines #557, both crash ~Chesterfield, NJ-- 16
434. 1949 -- Aug 31, USN Martin Mariner PBM-5 takeoff crash off NAS San Diego, CA-- 10
435. 1949 -- Sep 23, USAF B-29 takeoff crash (engine failure), Andersen AFB (US), Guam-- 11
436. 1949 -- Sep 26, USAF B-29 explosive decompression/crash near Talihina, SE OK --all 13
437. 1949 -- Sep 30, USAF B-17 crash into mesa, storm/poor visibility, 4M N of Raton, NM--10
438. 1949 -- Oct 13, Lakenheath AB USAF B50 takeoff engine fire/crash ~Isleham Eng.--US/11 of 12
439. 1949 -- Nov 03, USAF RB-29 engine issue after takeoff, crash off Kindley US AFB, Bermuda--11
440. 1949 -- Nov 16, two USAF B-29 Superfortresses collide over Stockton area, CA -- 18
 --9 USAF Boeing B-29 Superfortress, 44-69939
 --9 USAF Boeing B-29 Superfortress, 44-86364
441. 1949 -- Dec 22, USAF B-50 fire after takeoff and crash, Argyle Isl. ~Savannah, GA --all 11

442. 1950 -- Jan 26, USAF SAC C-54 transport disappears, Yukon Territory, Canada -- 44
 443. 1950 -- Feb 15, USAF B-29 crash after takeoff, US Hwy-117 3M SW of Great Falls, MT--8
 444. 1950 -- Mar 23, USAF B-50 in-flight engine fire/explosion/wing loss/crash NNW Hyder, AZ--12
 445. 1950 -- Apr 08, USN PB4Y-2 bomber shot down by USSR, Baltic Sea off Latvia --all 10
 446. 1950 -- Apr 11, USAF B-29 crash, Manzano Nuclear Wpn. Storage Area ~Kirtland AFB, NM--13
 447. 1950 -- Apr 21, off-course USAF C54 flies into Mt. Hirugatake at night ~Atsugi, Japan --all 35
 448. 1950 -- May 18, USAF B-29 engine problem, emer. Indg. crash, Lajes Field, Azores--all 16
 1950 -- June 01, USN P2V-2 Neptune emergency Indg. crash, Quonset Point NAS, RI-- 9
 1950 -- June 14, USAF B-25 crash, top of Spruce Mt, 5M NW of Circleville, WV -- all 9
 449. 1950 -- July 13, USAF B-50 plunges to earth/unknown cause, ~Mason, Lebanon, OH --all 16
 450. 1950 -- July 23, USAF C46 with 31 TN NG, loses aileron on takeoff, crashes, Myrtle Beach, SC--all 39
 451. 1950 -- July 27, USAF C-47 crash, Pacific, after takeoff 10M S of Oshima Island Japan--25
 452. 1950 -- Aug 5, USAF B-29 with nuke component crash & explos. ~Fairchild-Suisun AFB, CA--19
 --12 of the 20 B-29 flight crew
 -- 7 on ground fire-fighting/rescue personnel
 453. 1950 -- Sep 6, USAF C-54 explosion/crash after takeoff 4M NW Osaka-Itami Air Base, Japan-- 11
 454. 1950 -- Sep 19, USN takeoff plane crash 1.6M off Kwajalein NAS, Marshall Islands-- 26
 1950 -- Sep 19, USN PB4Y-2 Privateer plane crash, Puget Sound, Saratoga Passage, WA-- 7
 455. 1950 -- Sep 26, USAF C-54D takeoff crash 1 mile off Asiya Air Base, Kyushu, Japan-- 23
 1950 -- Oct 19, USAF B-29 Superfortress bomber plunges to ground near Seguin, TX-- 8
 456. 1950 -- Nov 16, USAF KB29 tanker and B-50 collide and crash ~Sil Nakya village, AZ--13
 457. 1950 -- Dec 19, USAF Douglas C-54G transport crash, Mt. Tabayoc, Luzon, Philippines--all 38
 458. 1950 -- Dec 23, USN P2V Neptune crash, McCreight Mt., Vancouver Island, BC, Can.--11

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

459. 1951 -- Mar 22, USAF C-124A Globemaster lost after ditching, No. Atlantic, off Ireland--all 53
 460. 1951 -- Apr 06, Southwest Air Flight 7 flies into no. slope Santa Ynez Peak, CA --all 22
 461. 1951 -- Apr 08, West VA National Guard plane flies into ground ~Charleston, WV --all 21
 462. 1951 -- Apr 25, Cubana Flight 493 & US Navy Beechcraft collide off Key West, FL--all 43
 463. 1951 -- Apr 26 USAF B-29 Superfortress landing crash, Lajes AFB, Terceira, Azores, Portugal-- 11
 464. 1951 -- Apr 27, USAF F-51 Mustang jet hits USAF B-36, NE of Perkins, OK -- 14
 465. 1951 -- May 06, USAF B-36 landing crash, high wind, Kirtland AFB ~Albuquerque, NM--23
 466. 1951 -- May 10, two USAF F-80s collide, one crashes killing 10 on ground, Fukuoka, Japan-- 11
 1951 -- May 21, USAF C-124 Globemaster emergency landing crash ~New Lisbon IN-- 7
 467. 1951 -- June 3, USAF C-82 Flying Boxcar hit by lightning/crashed, New Boston, TX--all 10
 468. 1951 -- July 21, Canadian Pacific Air (US military charter), lost, Gulf of AK near Sitka--37
 --26 US servicemen
 -- 3 civilians attached to the US Army
 -- 6 Canadian crew
 -- 2 Royal Canadian Navy personnel
 469. 1951 -- Aug 12, USAF Consolidated Privateer plane crash, Amak Island, AK -- 12
 470. 1951 -- Aug 13, USAF B-50 plane crash into Lester Apartments, Beacon Hill, WA -- 11
 471. 1951 -- Aug 20, USAF T-33 plane crash, McGuire Air Force Base, NJ -- 13
 472. 1951 -- Aug 31, USN Consolidated PB4Y-2 Privateer crash, Little Tanaga Isl., AK --all 10

- 473. 1951 -- Oct 15, USAF C-97A lost, North Atlantic, Azores to Westover AFB, MA -- 12
- 474. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
- 475. 1951 -- Nov 13, USAF C-82 Flying Boxcar crashes into Puy de Sancy Mt., France --all 36
- 476. 1951 -- Nov 18, USAF B29 takeoff crash: crew OK; 3US/7 local rescuers killed by explos., Yokota, Japan--10
- 477. 1951 -- Nov 27, USN Martin PBM-5 Mariner crash in ocean 7M off San Diego CA --all 11
- 478. 1951 -- Dec 30, USAF C-47 transport flies into mountain near Roosevelt, AZ --all 28

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

- 479. 1952 -- Jan 14, USN P4Y-2 crash after 2 engines fail 6M SW of Yokohama, Japan --all 12
- 480. 1952 -- Jan 19, US mil. charter crash, NW Orient 324, Korea-WA, off Sandspit BC -- 36
- 481. 1952 -- Feb 1 USAF B29 hits 2nd B29/no deaths 2nd plane, 5M off Bolo Point Okinawa --all 12
- 482. 1952 -- Feb 07, USAF takeoff crash, 5 miles north of Yokota US AB, Japan--13 (US) of 15
- 483. 1952 -- Feb 22, USAF F84 trng. flight hits power lines/crashes, Tsu Bu vlg., S Kor./14 dead-- 15
- 484. 1952 -- Mar 12, two USAF B-29's flying blind collide ~Sequin and San Antonio, TX-- 15
 --8 USAF TB-29 Superfortress 44-62223
 --7 USAF TB-29 Superfortress 55-87774
- 485. 1952 -- Mar 21, USN PB4Y-2 crash after takeoff, off Corpus Christi NAS, TX --all 10
- 486. 1952 -- Mar 26, two USAF planes crash, Davis-Monthan AFB/8, AZ; Albuquerque, NM/4-- 12
- 487. 1952 -- Apr 1-10, "Exercise Longhorn," military plane crashes & parachuting deaths, TX-- 10
- 488. 1952 -- Apr 04, USAF Globemaster and C-47 planes collide, Mobile, AL -- 15
- 489. 1952 -- Apr 5, USAF B-29 weather plane airport approach crash, McClellan AFB, CA--all 10
- 490. 1952 -- Apr 08, USAF B-25 flies into Golden Peak, near Golden, CO --all 11
- 491. 1952 -- Apr 09, USAF F-94 fighter & C-47 transport collide in clouds ~Otis AFB, MA--all 12
 1952 -- Apr 14, USN P2V Ventura patrol bomber crash, Brunswick NAS, ME -- 5
- 492. 1952 -- Apr 15, USAF B-36 takeoff crash and fire, near Fairchild AFB, Spokane, WA-- 15
 1952 -- May 13, USMC Corsair collides with USAF B-29, 30M W of Oceanside, CA--12 or 8
 --7 USAF B-29 Superfortress crew (five survived).
 --1 US Marine Corps Corsair pilot.
- 493. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan--12
- 494. 1952 -- June 24, NM-based USAF B-50 Superfortress crash near Lakenheath, UK -- 11
- 495. 1952 -- Aug 7, USN plane crash, mts., returning to base, one engine/bad weather, so. of Bataan, Philippines-12
- 496. 1952 -- Aug 8, USN PBM Mariner seaplane crash, hilltop ~Nagahama, Ehime, Japan--all 13
- 497. 1952 -- Oct 08, USAF B29 and F94 collide midair (all 11 on B29 killed) ~Portland, OR--11
- 498. 1952 -- Oct 26, USAF WB-29 lost, typhoon, Anderson AFB, Guam to Philippines -- 10
- 499. 1952 -- Oct 29, USAF Stratofreighter crash, Gray Mountain, near Flagstaff, AZ -- 16
- 500. 1952 -- Nov 06, USAF B-50 crash in gale High Wood 2M W of Great Dunmow, Eng.-- 11
- 501. 1952 -- Nov 7, USAF C-119C Flying Boxcar crash (navigational error) ~Mt. McKinley, AK--19
- 502. 1952 -- Nov 12, US Navy P4Y-2 Privateer plane crash, 10M W of Shelton, WA --all 11
- 503. 1952 -- Nov 14, USAF C-119C Flying Boxcar flies into mt. (overcast), 20M E of Seoul, Kor.--all 44
- 504. 1952 -- Nov 15, USAF C-119 Flying Boxcar disappears, Anchorage to Kodiak, AK --all 20
 1952 -- Nov 17, USAF C-119 Flying Boxcar engine loss/crash, field near Billings, MT-- 8
- 505. 1952 -- Nov 22, USAF MATS C-124 A Globemaster II crash, Mount Gannett, AK -- 52
- 506. 1952 -- Nov 28, USAF Douglas C-54 aborted approach crash ~McChord AFB/Tacoma, WA--37
- 507. 1952 -- Dec 1, USAF C47B flies into Mt. San Gorgonio, snowstorm, ~Banning, CA--all 13
- 508. 1952 -- Dec 20, USAF Globemaster II cartwheels on takeoff, Larson AFB, WA -- 87

509. 1953 -- Jan 07, Associated Air Transport (mil. charter) crash/turbulence, W of Fish Haven, ID--all 40
 510. 1953 -- Jan 13, USAF B-50D Superfortress spins down out-of-control ~Gridley, CA--all 12
 511. 1953 -- Jan 16, USAF C54 approach crash, Harmon AFB, Stephenville NFLD, Can. --13-14
 512. 1953 -- Jan 28, USN PB4Y, in poor weather & visibility, flies into Black Peak, WA --all 10
 513. 1953 -- Feb 02, USAF B-29 Superfortress takeoff crash, Wheelus Field, Tripoli, Libya-- 15
 514. 1953 -- Mar 18, 10-eng. USAF Convair RB-36H flies into hilltop, Random Isl., Nfld., Can.--all 23
 515. 1953 -- Mar 18, USAF B-29 crash searching for USAF plane, St. George's Bay, NFL, Can--10
 516. 1953 -- Mar 20, Transocean Air 942 (military charter) approach crash, NE Alvarado, CA --all 35
 517. 1953 -- Mar 22, USN PBM out of Naval Operating Base Trinidad missing N of Dom. Rep.-- 11
 518. 1953 -- Apr 29, US Air Force B-29 in-flight fire and crash, near San Antonio, TX -- 10
 519. 1953 -- June 18, USAF Globemaster II crash, Tachikawa AFB, Tokyo, Japan¹⁴² -- 129
 520. 1953 -- July 02, USN PBM-552 Mariner engine failure / crash, 25M off Adak, AK --all 12
 521. 1953 -- July 10, USAF B29 airport approach crash, 7M ~Hunter AFB, Savannah GA--all 10
 522. 1953 -- July 10, USAF C47 & Norwegian AF jet collide ~Stavanger-Sola AP, Norway-- 10
 523. 1953 -- July 17, USMC R4Q "Packet" takeoff plane crash and fire, near Milton, FL -- 44
 524. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan¹⁴³ -- 16
 525. 1953 -- July 30, USN PBM Mariner engine fire/ditched 60M W of Badoc Philippines-- 10
 526. 1953 -- Aug 5, USAF Peacemaker engine fires/ditched, Atlantic ~420M NW Prestwick Scotland--19
 1953 -- Sep 18, USAF WB29 weather recon plane lost out of Kindley AFB, Bermuda-- 7
 527. 1953 -- Nov 17, USAF C-119F loses engine, hits paratroopers, crashes, Fort Bragg NC--15
 1953 -- Dec 11, USAF Consolidated B-36 flies into Mount Franklin ~El Paso, TX -- all 9
 528. 1953 -- Dec 17, USAF B-29 takeoff engine loss, crash into housing, Anderson AFB, Guam--19

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

529. 1954 -- Jan 04, USN P2V Neptune engine trouble and crash, Yellow Sea, off S. Korea-- 10
 530. 1954 -- Feb 01, USAF C46 fire and crash, Tsugaru Strait, off Hokkaido, Japan -- 35
 531. 1954 -- Feb 05, USAF C-47 explodes in-flight, Susitna Valley, 20M from Curry, AK-- 10
 532. 1954 -- Mar 04, USAF C47 flies into mountain in snowstorm ~St.-Étienne-de-Tinée France-- 20
 533. 1954 -- Mar 19, USAF C-119 plane fire and crash,, #51-7993, near Lothian, MD -- 18
 534. 1954 -- May 05, off-course USN PBM-5 seaplane crash, Sidewalk Mt. ~Carricitos, MX--10
 535. 1954 -- May 07, USN P2V5 Neptune takeoff crash off Clifton Pier, Nassau, Bahamas --all 10
 536. 1954 -- May 31, USAF C47/MN ANG AP approach crash, gravel pit/heavy fog, Duluth IAP, MN--11
 537. 1954 -- June 09, USN PBM Mariner crash, Yakushima Island mt. peak, SW Japan --all 17
 538. 1954 -- June 27, USAF KC-97G Stratotanker flies into Box Springs Mountain, CA --all 14
 539. 1954 -- Aug 27, USAF RB-36 landing approach crash 2M ~Ellsworth AFB, Rapid City, SD-- 26
 540. 1954 -- Sep 4, Soviet Migs shoot down USN P2V Neptune off Hokkaido, Sea of Japan-- 10
 541. 1954 -- Sep 28, USN PB-5 Marlin takeoff crash, Sangley Point NAS, Philippines -- 11
 542. 1954 -- Oct 06, USAF RB-50G plane crash and fire, near Willows, Glenn County, CA-- 13
 543. 1954 -- Oct 24, USAF C47A transport, Rome to Lyon, flies into Maritime Alps, Italy-- 21
 544. 1954 -- Oct 30/31, USN Lockheed R7V transport plane disappears off Ocean City, MD--42
 545. 1954 -- Dec 22, Johnson Flying Service crash, Monongahela River, Pittsburgh, PA -- 10
 1954 -- Dec 29, USAF C119 rear-door fails/plane crash, Shin Point near New Hope, AL--9

¹⁴² Included in that this was the first aviation disaster anywhere to kill more than 100 people.

¹⁴³ Cross-listed in Violence (Attack).

546. 1955 -- Jan 17, USN C121 Super Constellation 2 engines out, crash off Stephenville NL Can--13
 547. 1955 -- Feb 17, USN P-2 Neptune hits Mt. Susitna on Elmendorf AFB approach, AK--all 11
 1955 -- Feb 23, USAF KC-97 tanker engine fire after takeoff, crashes near Windsor, MO--9
 548. 1955 -- Mar 06, USAF C-54 flies into mountain side and burns, ~Taitung, Taiwan --all 14
 549. 1955 -- Mar 22, USN R6D-1 flies into Waianae Range ~Lualualei Navy Depot, HI --all 66
 550. 1955 -- May 25, USAF B-36J breaks-up in severe thunder storm ~Sterling City, TX --all 15
 551. 1955 -- June 10, USAF B29 Superfortress flies into Mt. Teckberg in fog ~Owen, FRG-- 10
 552. 1955 -- June 29, USAF C-47 transport plane hits Sitkinak Island mountain peak, AK--all 10
 553. 1955 -- Aug 11, two USAF C-119 Flying Boxcars collide over Edelweiler, Germany --all 66
 1955 -- Aug 23, engine fire after takeoff, USAF C119 crash into homes, Charleston SC-- 9
 554. 1955 -- Sep 1, USAF C-47 crash/burned, emergency landing attempt, Skwentna, AK--all 12
 555. 1955 -- Sep 26, Guantanamo NAS USN P2V-3W Neptune hurricane chaser lost, Caribbean--11
 556. 1955 -- Nov 17, blown off course USAF DC-4 flies into top of Mt. Charleston, NV --all 14
 557. 1955 -- Nov 17, Peninsular Air Transport (mil. charter) takeoff crash, Seattle-Boeing Field, WA--28
 558. 1955 -- Nov 20, USAF C124 Globemaster II takeoff crash, Iwo Jima Air Base Japan--all 11
 559. 1955 -- Nov 29, USAF F-84 (1) takeoff malfunction into base housing/13, Eielson AFB, AK--14

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

560. 1956 -- Feb 17, USN DC-4 flies into terrain, USN crew/5; USMC/35 ~Niles, CA --all 40
 561. 1956 -- Feb 27, USAF B-50 Superfortress crash, Wilmington Pike, Dayton OH --all 11
 562. 1956 -- Mar 2, USAF C124C Globemaster II/enroute US, engine prob., ditched off Iceland--all 17
 563. 1955 -- Apr 28, USAF B29 Superfortress flies into cloud-shrouded hill ~Naha AFB Okinawa-- 10
 564. 1956 -- June 26, USAF KC-97 tanker fire/crash after takeoff, 10M ~Walker AFB, NM--all 11
 565. 1956 -- July 13, USAF windshear plane crash after takeoff, near Brown's Mills, NJ -- 46
 566. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
 567. 1956 -- Aug 31 Eielson AFB AK WB-50 plane crash 50 miles north of Anchorage --all 11
 568. 1956 -- Sep 10, Yokota AB USAF RB50G lost tracking Typhoon Emma, Sea of Japan-- 16
 569. 1956 -- Sep 24, USAF C-47 plane crash, Mount Yale, near Buena Vista, CO -- 12
 570. 1956 -- Oct 10, USN MATS plane, 1st leg UK to Azores, lost ~250M SE Land's End, Eng.-- 59
 571. 1956 -- Nov 09, USN P5M Marlin seaplane lost north of Bermuda, possibly off MD--all 10
 572. 1956 -- Nov 30, USAF B-52 plane crash after Castle AFB takeoff near Ballico, CA --all 10
 573. 1956 -- Dec 28, USAF B-50 Weather Recon. crash, Yokota AB approach, Japan--(9 US)10
574. 1957 -- Jan 17, USAF Weather B-50 plane crash after takeoff ~Eielson AFB, AK --all 12
 575. 1957 -- Jan 31, DC-7 & USAF Scorpion fighter collide, debris hits school, Sunland, CA-- 8
 576. 1957 -- Feb 01, Northeast Flight 823 takeoff crash, Rikers Island, NY -- 20
 577. 1957 -- Feb 02, two USAF KB-29P tankers collide, poor visibility, trng. mis. Morigny, France- 13
 578. 1957 -- Mar 22, USAF MATS C-97C, Travis AFB CA to Tokyo, lost ~200M from Tokyo--67
 579. 1957 -- Apr 02, USN Neptune explodes after Chincoteague NAS takeoff, ~Atlantic VA--11
 1957 -- Apr 12, US Navy Neptune P2V-5 bomber touch & go crash, Brunswick, ME-- 6
 580. 1957 -- July 16, USAF C47 crash, Mount Cha Tien near Hsinchu Taiwan --all 16
 581. 1957 -- July 19, Willow Grove NAS, PA, Neptune crash, San Martino Mt., no. Italy¹⁴⁴-- 11
 582. 1957 -- July 23, USN P-2 Neptune stalls/crashes off Barbers Point Naval Air Sta., HI-- 10

¹⁴⁴ Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.

- 1957 -- Dec 09, USN P5M Marlin Seaplane engine explosion/crash ~Corpus Christi, TX--9
 583. 1957 -- Dec 23, USN WV-2 simulation goes awry/crash, off Kakuku Pt., Oahu, HI -- 19

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

584. 1958 -- Jan 15, USAF Typhoon Ophelia recon. plane out of Anderson AFB, Guam, lost at sea--all 10
 585. 1958 -- Feb 01, USAF C-118A/all 41 & USN P2V-5F/6 planes collide, Norwalk, CA-- 48
 586. 1958 -- Feb 15, USAF C-47 transport plane crash in fog on Mt. Vesuvius, Italy --all 16
 587. 1958 -- Feb 20, USN WV2 early warning plane lost ~100M west of the Azores --all 22
 588. 1958 -- Mar 07, USMC transport & Skyraider planes collide off Naha NAF, Okinawa-- 26
 589. 1958 -- Mar 27, USAF C-119 & USAF C-124C collide mid-air, ~Bridgeport, TX --all 18
 590. 1958 -- Apr 21, United 736 and USAF F-100 fighter jet collide near Las Vegas, NV¹⁴⁵ --49
 591. 1958 -- May 20, Capital Air and MD Air Nat. Guard plane collide, Brunswick, MD -- 12
 592. 1958 -- June 27, USAF SAC tanker plane crash, near Chicopee falls, MA -- 15
 1958 -- July 29, USAF B-52 goes out of control on AP approach, crashes 3M from Loring AFB, ME--8
 593. 1958 -- Sep 02, USAF Globemaster fire/crash, 35M west, Agana Naval AS, Guam -- 19
 594. 1958 -- Sep 02, USAF C130A shot-down by MiGs over Sasnashen, Armenia, USSR--all 17
 595. 1958 -- Sep 08, USAF B-52s collide on Fairchild AFB approach ~Airway Heights, WA--13
 596. 1958 -- Sep 09, USAF Douglas C47 plane crash, Elmendorf AFB, Anchorage, AK -- 13
 1958 -- Sep 16, USAF B52 tail separation and plane crash, South St. Paul, MN -- 7
 597. 1958 -- Sep 29, USN Neptune P2V patrol plane crash, 22M north of Key West, FL --all 10
 598. 1958 -- Oct 09, USAF C-123B transport crash near Little Willow Creek & Payette, ID-- 19
 599. 1958 -- Oct 18, USN *Constellation* plane crash on approach ~Argentia, Newfoundland, Can.--11
 600. 1958 -- Nov 12, USAF KC-97 tanker loses engine at takeoff, crashes Isle of Hope, GA--all 11
 601. 1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK-- 15
602. 1959 -- Feb 04, USAF weather B-50 plane lost, out of Kindley US AFB, Bermuda -- 12
 603. 1959 -- Apr 09, USN P5M 2 Marlin seaplane crash Cheju Island Mt., South Korea --all 10
 1959 -- May 11, plane crash, USN P2V, Whidbey Island Naval Air Station, WA -- 9
 604. 1959 -- May 20, USAF C-130 Hercules plane crash into barracks, Ashiya AB, Japan-- 10
 605. 1959 -- June 30, U.S. Air Force F-100 jet crashes into school, Ishikawa, Okinawa¹⁴⁶ -- 18
 1959 -- July 22, plane explosion and crash, USAF KC-97, near East Andover, NH -- 7
 1959 -- Oct 15, USAF KC-135 tanker collides with USAF B52F bomber, ~Leitchfield, KY-- 8
 606. 1959 -- Nov 07, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
607. 1960 -- Jan 04, US Army De Havilland U-1A Otter disappears, Gulf of Sidra, Libya-- 10
 608. 1960 -- Jan 19, USN P4M Mercator plane crash, Karanfil Mt. near Adana, Turkey --all 16
 1960 -- Feb 11, USN P5M rocket under wing explodes, Puget Sound ~NAS Whidbey Isl. WA-9
 609. 1960 -- Feb 25, USN R6D & Brazilian DC-3 collide off Rio de Janeiro, Brazil--35/USN of 61
 1960 -- Apr 18, USAF C124 cargo plane takeoff crash, Stephenville, Harmon AB NFLD-- 9
 610. 1960 -- July 06, USN Airship (blimp) envelope tear and crash off Barnegat City, NJ-- 18
 611. 1960 -- July 11, US Air Mission Colombia USAF crash, Mt Pichincha, Ecuador--12US of 18
 612. 1960 -- Sep 08, Yokota AB USAF weather recon. B-50 crash, mt. near Ishikawa, Japan--11
 613. 1960 -- Sep 19, World Airways (Military Air Transport) crash/fire, Mt. Barrigada, Guam--80

¹⁴⁵ 47 were civilian fatalities on United 736.

¹⁴⁶ All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.

614. 1960 -- Sep 22, USMC R5D engine fire/fuel tank explodes/crash 180M off Naha, Okinawa-- 29
 615. 1960 -- Dec 17, USAF C-131 Samaritan takeoff crash, Munich, Germany --(20 US) 51-53

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

616. 1961 -- Jan 26, USAF C-118 Liftmaster explos./crash off Argentia, Newfoundland, CA--23
 617. 1961 -- Apr 18, USAF C47, circling takeoff climb, foggy weather crash, Mt Parker, Hong Kong--15
 618. 1961 -- May 24, USAF Globemaster power loss crash after takeoff, McChord AFB, WA-- 18
 619. 1961 -- Nov 8, Imperial Airlines (military contract), engine failure/crash/fire, Richmond VA--77
620. 1962 -- Mar 08, USAF C-130A Hercules plane crash near Alencon, western France -- 15
 621. 1962 -- Mar 15, MATS charter Flying Tiger #739 disappears, Philippine Sea--104US of 107
 622. 1962 -- May 17, USAF C130 Hercules flies into cloud shrouded mt., 20M W Nairobi, Kenya--13
 623. 1962 -- Mar 21, USN P2V Neptune crash mt. ridge 2M south of Elk Mountain, WA --all 10
 1962 -- May 09 USAF KC-135A Stratotanker engine failure, crash, Loring, AFB, ME-- 6
 624. 1962 -- May 22, USN WV2 radar intel. plane break-up/crash ~Markt Schwaben, Germany-26
 1962 -- May 27, Dover AFB USAF C133 Cargomaster crash, Atlantic off Dover, DE-- 6
 625. 1962 -- Aug 01, USN Marlin P5M crash, Zambales Mountains, northern Philippines-- 12
 626. 1962 -- Sep 10, USAF SAC tanker crash/Fairchild approach, Mt. Kit Carson ~Spokane, WA-44
 627. 1962 -- Sep 22, USN Martin Marlin flies into high ground, Montague Isl., Gulf of AK-- 10
 628. 1962 -- Dec 26, USN P5M1 Marlin Seaplane lost at sea 350M SW of San Diego, CA-- 13
- 1963 -- Jan 24, USAF B-52 stabilizer shaft breaks (turbulence), crash ~Greenville, ME-- 7
 629. 1963 -- Jan 30, US Navy ASW P-3A plane crash, ~250M off Atlantic City, NJ --all 14
 630. 1963 -- Aug 28, apparent mid-air collision, two USAF tankers, off East Coast -- 11
 631. 1963 -- Sep 22, USAF C-133A Cargomaster lost, Atlantic SE of Dover AFB, DE -- 10
 1963 -- Dec 23, USAF B-52 Stratofortress plane crash after takeoff, ~Columbus AFB, MS--all 9
632. 1964 -- Apr 18, two USAF C119 Flying Boxcars collide 6M NE, Clinton County AFB, OH-17
 633. 1964 -- May 11, USAF C-135 landing/hits fence/crashes, Clark US AB, Philippines--79-80
 634. 1964 -- May 11, USN P2V plane crash, Atlantic, 25 mls SW of US AB Rota, Spain -- 10
 635. 1964 -- June 29, USAF Stratofreighter & USAF C54 collide ~Kindley US AFB, Bermuda--17
 636. 1964 -- Oct 27, USN bomber hits pole/crashes into bldgs., low-level flyover, El Centro NAF, CA-12
 637. 1964 -- Nov 17, USN P3A Orion approach crash in ocean in fog ~USN Base, Argentia Nfld.¹⁴⁷10
 638. 1964 -- Nov 27, USN Lockheed P-2V Neptune plane crash, Cape Newenham, AK -- 12
 639. 1964 -- Dec 04, USN P3A Orion fire, crash, 25M W off Luzon, Cubi Pt NAS, Philippines--13
640. 1965 -- Jan 16, USAF tanker crash after takeoff into homes, fire, Wichita, KS¹⁴⁸ --29-30
 641. 1965 -- June 05, USAF C119 unexplained crash, Caribbean, NE of Crooked Isl. Bahamas--10
 642. 1965 -- June 15, two US Army helicopters collide mid-air, Fort Benning, GA --all 18
 643. 1965 -- June 25, USAF Stratolifter crash after takeoff, Loma Ridge, El Toro MCAS, CA--all 84
 644. 1965 -- July 11, USAF Constellation engine fire, crash, ~100 miles off Nantucket, MA-- 16
 645. 1965 -- Aug 24, USMC Lockheed Hercules takeoff crash into seawall, Hong Kong -- 59
 646. 1965 -- Aug 28, USAF C47 crashes into mount Cerro Calima near Cali Columbia --all 14

¹⁴⁷ Cross-listed in Fog as a Contributing Factor.

¹⁴⁸ Difference in numbers has to do with inclusion or not of death of unborn child.

647. 1966 -- Jan 25, USAF transport in-flight engine fire & crash ~Binh Khe, So. Vietnam-- 46
 648. 1966 -- Apr 09, USN Orion P-3A auto-pilot loss/crash, Pacific 187m off San Diego, CA-- 11
 649. 1966 -- May 04, US Army Chinook helicopter rotor loss, crash, ~Di Linh, So. Vietnam--all 21
 650. 1966 -- May 18, USAF KC-135 Stratotanker takeoff crash, Kadena AB, Okinawa -- 12
 651. 1966 -- Nov 11, USAF Constellation plane crash, Atlantic, east of Cape Cod, MA -- 19
 652. 1966 -- Nov 18, USAF B52 low level flight/hits trees/crashes, S of Stone Lake ~Hayward WI-- 9
 653. 1966 -- Nov 26, USAF C-47D loses left engine power, crashes ~Saigon, Vietnam --all 25-27
 654. 1966 -- Dec 12, US Navy Sea Knight helicopter crash 34 miles off San Diego, CA --all 10

AVIATION Disasters Subset -- MILITARY Craft and Charters -- CHRONOLOGICAL:

655. 1967 -- Jan 6, USN P5M Marlin crash near entrance of Manila Bay, Philippines --all 10
 1967 -- Jan 8, USN plane crash after takeoff from Andrews AFB, ~Upper Marlboro, MD-9
 656. 1967 -- Mar 10, USN DC-3 wing failure/crash, admin. flight ~Phan Rang, Vietnam --all 25
 657. 1967 -- Apr 25, USAF Super Constellation engine fire and crash off Nantucket Isl., MA--15
 658. 1967 -- Apr 28, USN P3A Orion patrol flight lost at sea off Tsushima Isl., Japan --all 12
 659. 1967 -- June 17, USAF C-130 aborted take-off crash, An Khe airstrip, South Vietnam-- 35
 660. 1967 -- June 23, USMC helicopters collide, New River Marine Corps Air Facility, NC-- 22
 661. 1967 -- Oct 08, USAF turboprop flies into mountain ~Huong Thuy, South Vietnam --all 23
 662. 1967 -- Dec 14, USN P2V-7 Neptune plane crash ~Sea Otter Glacier, Mt. Fairweather, AK--14
663. 1968 -- Jan 10, USMC R5D-2 (C54) plane crash, Mt. Tobin, Copper Canyon, NV -- 19
 664. 1968 -- Jan 16, US Navy P3A Orion crash in snowstorm on Mt. Kamegamori, Japan--all 12
 665. 1968 -- Jan 17, USAF Stratotanker takeoff crash, Minot AFB, ND -- 13
 666. 1968 -- Apr 01, USN P3B coastal surveillance plane shot down, Gulf of Thailand¹⁴⁹-- 12
 667. 1968 -- July 28, USAF C-124A Georgia Reserve plane crash 50M NW of Recife, Brazil--10
 668. 1968 -- Sep 24, USAF Stratotanker engine problem, crash landing at Wake Island AP-- 11
 669. 1968 -- Oct 3, USAF transport & US Army helicopter collide over Camp Evans, S. Vietnam--all 24
 670. 1968 -- Dec 14, USAF C119 Roosevelt Roads NAS takeoff plane crash ~San Juan, PR--all 8
- 1969 -- Jan 21, USAF B52 takeoff crash, incorrect trim, 1M from Minot AFB, ND -- all 6
 671. 1969 -- Feb 05, USAF HC-130 rescue plane crash into sea ~100M south of Taiwan -- 13
 672. 1969 -- Mar 08, USAF C130 crash short of runway, Ching Chuan Kang AB, Taiwan-- 12
 673. 1969 -- Apr 15, USN EC-121M patrol plane shot down by No. Korea MiGs, Sea of Japan-- 31
 674. 1969 -- Apr 25, USAF Lockheed EC-121 crash after takeoff, severe wind ~Korat Airbase, Thailand-18
 675. 1969 -- June 05, USAF reconnaissance plane crash (structural?), Bering Sea off Shemya, AK--19
 676. 1969 -- Aug 04, USN C47 plane crash, Andes Mountains near Los Quenes, Chile --all 16
 677. 1969 -- Oct 02, USN C-2A transport plane apparent engine failure/crash, Gulf of Tonkin--26
 678. 1969 -- Dec 22, USN jet engine failure; crash kills ground personnel, Miramar NAS, CA-- 14
679. 1970 -- May 04, USAF Convair T-29D plane crash after takeoff ~Hamilton AFB, CA-- 13
 680. 1970 -- Aug 3, storm/lightning, Navy P3A Orion turbulence breakup ~Searchlight NV¹⁵⁰10
 681. 1970 -- Oct 2, USAF C-130 transport plane crash into mountain near Taipei, Taiwan-- 43

¹⁴⁹ Cross-listed in Violence (Attack)

¹⁵⁰ Cross-listed in Lightning.

682. 1971 -- June 06, Hughes Air 706 and Marine Corps Phantom II collide, Duarte, CA -- 50
 683. 1971 -- June 13, USAF C-135B monitoring French nuclear test, crashes, No. Pacific--all 24
 684. 1971 -- Aug 18, USAF Chinook helicopter loses blade/crashes ~Pegnitz, W. Germany--all 37
 685. 1971 -- Nov 12, USAF Lockheed C-130 takeoff plane crash/fire, Little Rock AFB, AR-- 10
 686. 1971 -- Dec 12, USN C2 Greyhound out of Cubi Point NAS Philippines crash at sea--all 10

Aviation Events – Military subset – Chronological (continued):

- 1972 -- Feb 19, USAF C-130 and T-37 planes collide, NE of Little Rock AFB, AR -- 5
 687. 1972 -- May 03, TN Air National Guard C124 crash 40M from Zanderij IAP, Suriname--11
 688. 1972 -- June 03, Brunswick ME-based US Navy P-3 Orion plane crash, mt., Morocco-- 14
 689. 1972 -- Dec 05, USAF C-130/12 crew, collides with SC ANG F-102, ~Conway, SC -- 13
 1972 -- Dec 16, USCG helicopter/4 with rescued boat crew/4, crashes, Gulf of Mex., off FL-8
690. 1973 -- Feb 07, US Navy Corsair II jet crash/apartment bldg., fire, Alameda, CA¹⁵¹ -- 11
 691. 1973 -- Mar 08, US Army Golden Knights parachute team plane crash, Silk Hope, NC-- 14
 692. 1973 -- Apr 12, planes collide, NASA Convair/NAVY P-3C Orion, Sunnyvale, CA -- 16
 693. 1973 -- Aug 28, USAF Military Airlift Command transport crash near Hueva, Spain-- 24
 694. 1973 -- Oct 14, USAF F4E jet crash into US Army personnel carrier ~Weissenburg FRG-- 11
 695. 1973 -- Oct 15, USAF C-130 Hercules flies into fog-shrouded Sugar Loaf Mt., AR -- all 7
 696. 1973 -- Dec 11, USN Douglas R6D-1 plane crash, Great Sitkin Island, AK -- 10
- 1975 -- Jan 09, USAF T29D and Cessna collide 4 miles west of Newport News, VA-- 9
 697. 1975 -- Mar 20, USAF transport plane crash, Olympic National Park, Quilcene, WA-- 16
 698. 1975 -- Apr 4, Operation Babylift C-5 crash ~Tan Son Nhut AB, Vietnam--50-52US of 155
 699. 1975 -- May 13, USAF Sikorsky helicopter crash, *Mayaguez* support mission, Thailand--23
 700. 1975 -- Sep 26, USAF Sikorsky CH-53 helicopter crash, east of Paderborn, W Germany-16
701. 1976 -- Aug 28, USAF C-41 plane crash/Indg. Soendre Stromfjord AFB, Greenland¹⁵²-13US/23
 702. 1976 -- Aug 28, USAF crash, severe thunderstorm rips wing, ~Peterborough, UK -- 18
 703. 1976 -- Sep 26, USAF KC-135 Stratotanker (61-0296) plane crash, near Alpena, MI-- 15
704. 1977 -- June 21, USN TACAMO EC130Q Hercules takeoff crash, off Wake Island -- 16
 705. 1977 -- Sep 14, USAF EC-135K crash, Mt., Manzano range, ~Albuquerque, NM -- 20
 706. 1977 -- Oct 21, USMC Sikorsky helicopter crash with troops, Mindoro, Philippines -- 24
 707. 1977 -- Dec 11, Brunswick NAS-based USN Orion crash, fog, Mt El Hierro, Canary Isl.--13
- 1978 -- Sep 08, low USAF C130 crash into ridge ≈8 miles no. of Little Rock AFB, AR-- 8
 708. 1978 -- Oct 06, USN C-118 transport crashes into hill in fog near Santiago, Chile -- 16
 1978 -- Nov 30, USAF C-130 plane crash, near Cottageville, SC -- 6
 1978 -- Dec 10, USAF C-130 Hercules plane crash, landing phase, Ft. Campbell, KY-- 5

¹⁵¹ Cross-listed in Fire-Structural. The pilot was believed to have died prior to the crash, one person on the ground killed by the crash, and eight by fire, with one additional death to an unattributed cause.

¹⁵² Were 13 immediate US deaths and 8 Greenland (Dutch) passenger deaths. Two more died about two weeks later – Greenland passengers? Greenland is an autonomous country within the Kingdom of Denmark.

709. 1980 -- Mar 14, USAF C130 wing explosion and crash near Yenice, Cilicia, Turkey -- 18

Aviation Events – Military subset – Chronological (continued):

710. 1981 -- Feb 26, USAF MC-130 plane crash, off NAS Cubi Pt., Philippines --(17 US) 23
711. 1981 -- May 06, USAF EC-135N plane crash, Walkersville, near Frederick, MD -- 21
712. 1981 -- May 26, USN EA-68 Prowler plane crash, USS *Nimitz*, off Jacksonville, FL-- 14

713. 1982 -- Mar 19, USAF KC-135 tanker plane explosion/crash, near Wonder Lake, IL-- 27
714. 1982 -- Apr 02, US Navy transport plane crash, Mediterranean island of Crete -- 11
715. 1982 -- Apr 13, USAF C-130 Hercules transport wing failure/crash ≈Gevenlik, Turkey-- 27
1982 -- Aug 31, USAF C-141 transport plane crash, John's Knob, Cherokee Nat., TN-- 9
1982 -- Sep 11, USAF Chinook crash at airshow, near Mannheim, Germany --46, U.S. 7-8

716. 1983 -- Apr 30, USN C-131 engine fire/crash, St. John's Riv., ≈Jacksonville NAS, FL-- 14
717. 1983 -- June 16, US Navy P-3B Orion (152720) crash into mountain, Kauai, HI -- 14
1983 -- July 10/11, US Army CH-47 Chinook helicopter crash, South Fox Island, MI-- 6

718. 1984 -- Feb 29, USAF C-130 Hercules plane crash, near Borja, Spain --(17 US) of 18
719. 1984 -- Mar 24, USMC helicopter crash into Mt., 24M no. of Pohang So. Korea --18 of 29

720. 1985 -- Jan 22, USAF plane crash into sea on approach to Trujillo Airport, Honduras-- 21
721. 1985 -- May 6, USMC CH-53D helicopter crash into Sea of Japan off Yakushima -- 17
722. 1985 -- Oct 15, USMC Sea Knight helicopter off USS *Guadalcanal* crash, Onslow Bay, NC--15
723. 1985 -- Dec 12, US mil. charter Arrow Air 1285 crash, Gander, Newfoundland, Can.-- 256

724. 1986 -- Apr 02, USAF Hercules C-130 plane crash, Magdalena, NM -- 11
1986 -- Aug 29, USN CH-46 helicopter crash, Carrier USS *Saipan* off Bodoe, Norway-- 8

1987 -- Jan 20, US Army Beechcraft & business Piper collide over Independence, MO¹⁵³-6
725. 1987 -- June 22, US Army helicopter reservist training flight crash, Ft. Hood, TX --all 10
1987 -- Sep 28, bird strike and, USAF B1-B plane crash, La Junta, CO -- 3
726. 1987 -- Oct 20, USAF A-7D jet crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10

727. 1988 -- Feb 25, Ft. Hood Army Chinook helicopter engine failure and crash, Chico, TX--10
728. 1988 -- Mar 08, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN¹⁵⁴ -- 17
1988 -- June 08, Air Nat. Guard C-130 crash, touch-and-go-landing, Greenville, MS-- 6
729. 1988 -- Oct 25, USMC CH-46/UH-1N helicopters crash, Goldwater Gun. Range, AZ-- 10

730. 1989 -- Jan 31, USAF SAC tanker plane crash, Dyess Air Force Base, TX -- 19
731. 1989 -- Mar 12, USAF CH-3C 'copter crash 20 miles NW of Tucson, ~Marana, AZ -- 15
732. 1989 -- Mar 20, USMC Sea Stallion Helo engine mal./crash, Mt., ≈Pohang, So. Korea-- 19
733. 1989 -- May 29, USMC CH46 Sea Knight helicopter crash, trng. exercise, off Okinawa--14

¹⁵³ One plane accounting for three of the deaths, was a US Army Beech U-21.

¹⁵⁴ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

- 1989 -- Dec 01, US Army CASA 212 plane crash, Patuxent River NAS, MD -- 5
734. 1990 -- Feb 21, two USA 'copters crash (Iroquois/9, OH-58/2) ~Punta Diego, Panama Canal--11
735. 1990 -- Aug 29, USAF C-5A Galaxy plane crash, Ramstein U.S. Air Base, Germany-- 13
- Aviation Events – Military subset – Chronological (continued):**
736. 1991 -- Mar 21, US Navy P-3Cs collide mid-air, southwest off San Diego, CA -- 27
737. 1992 -- Feb 06, KY ANG C-130 Hercules crash, hotel/rest. complex, Evansville, IN-- 17
738. 1992 -- Mar 22, USAir 405 crash on takeoff, ice on wings, LaGuardia, NYC -- 27
- 1992 -- Oct 07, WV Air National Guard C-130 plane crash, Berkeley Springs, WV -- 6
739. 1992 -- Oct 29, USAF Pave Hawk helicopter crash ~Antelope Island, Great Salt Lake UT--12
740. 1992 -- Nov 30, two USAF C-141 transports collide mid-air, near Harlem, MT -- 13
741. 1994 -- Mar 23, USAF C-130 & F-16 collide, F-16 hits troops on ramp, Pope AFB, NC- 24
742. 1994 -- Apr 14, 2 USAF F-15s shootdown 2 USA Black Hawks, north. Iraq --15US of 26
- 1995 -- Apr 17, plane crash, USAAF C-21 Learjet, near Alexander City Airport, AL-- 8
743. 1995 -- Sep 22, USAF AWACS Sentry bird strike crash, Elmendorf AFB, AK -- 24
- 1996 -- Mar 07, US Army Chinook from Fort Campbell crashes near Olmstead, KY-- 5
744. 1996 -- Apr 03, USAF plane crash (Sec. Commerce. Ron Brown) ≈Dubrovnik, Croatia--35
745. 1996 -- May 10, two U.S. Marine helicopters collide, Camp LeJeune, NC -- 14
- 1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY -- 6
- 1996 -- Aug 17, USAF C-130 crash, Presidential support mission, ≈Jackson Hole, WY-- 9
746. 1996 -- Nov 22, USAF Hercules engine loss & crash, Pacific ~Cape Mendocino, CA-- 10
747. 1998 -- Sep 4, two USAF Pave Hawk helicopters (6&6) collide at night, Nellis Range NV-12
748. 2000 -- Apr 08, USMC tilt-rotor Osprey V-22 crash, Marana Airport ≈Tucson, AZ -- 19
749. 2000 -- Aug 09, USN charter Patuxent Air¹⁵⁵ & private plane collide, Burlington, NJ-- 11
750. 2001 -- Mar 03, USAF C-23 plane crash (VA NG (18) FL ANG (3)), Unadilla, GA -- 21
751. 2002 -- Feb 22, US Army Chinook crashes at sea, exercise off Dumaguete Philippines --all 10
752. 2002 -- Aug 07, USAF Combat Talon II plane crash, Caguas, Puerto Rico -- 10
753. 2003 -- Mar 11, US Army Blackhawk helicopter crash, Fort Drum, NY -- 11
754. 2005 -- Apr 06, US Army Chinook crash in sandstorm near Ghazni, Afghanistan --all 18
755. 2009 -- Oct 26, US Army Chinook crash, dirt blown up from takeoff, anti-drug op., Afghanistan-10
756. 2015 -- Mar 10, US Army Blackhawk helicopter crash, Gulf off Navarre Beach, FL -- 11
757. 2015 -- Oct 2, USAF C130 takeoff crash, yoke blocked by pilot, Jalalabad AP, Afghanistan-- 11US of 14
758. 2016 -- Jan 14, two US Marine Corps helicopters crash off Haleiwa, Oahu, HI -- 12
759. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16

¹⁵⁵ Patuxent Airways was operating at the time under Department of Defense contract, carrying Navy personnel.

2023 -- Mar 30, USA Black Hawk helicopters collide, night training, Cadiz, Trigg Co., KY-- 9

Aviation Subset – PARACHUTING and/or SKYDIVING – by Mortality

1. 1985 -- Sep 29, skydiving crash, Westwind Sports & Parachute Ctr., Jenkinsburg, GA-- 17
2. 1992 -- Apr 22, Perris Valley Aviation (skydiving) plane crash, Perris, CA -- 16
3. 1981 -- Apr 17, planes collide, Air US 716 & Sky West Parachute, Loveland, CO -- 15
4. 1982 -- Oct 17, private Beechcraft C-45 parachuting jump plane crash near Taft, CA -- 14
5. 1992 -- Sep 07, Beechcraft parachuting plane crash, Hinckley, IL -- 12
6. 1995 -- Sep 10, plane crash, Peninsula Sky Diving Club, West Point, VA -- 12
7. 1981 -- Dec 5, plane crash, Jump Hawaii Club Beechcraft C-45, Honolulu, HI -- 11
8. 1983 -- Aug 21, Landry Aviation plane with skydivers stalls/crashes, Silvana, WA -- 11
9. 2019 -- June 21, skydiving charter plane crash, Dillingham Airfield, Oahu, HI -- 11
10. 1952 -- Apr 01-10, military plane crashes, parachuting, "Exercise Longhorn," TX -- 10
11. 1999 -- July 31, takeoff crash/Parahawks Skydiving Center plane, Marine City, MI -- 10
12. 2007 -- Oct 7, plane crash, Kapowsin Air Sports (skydiving), near Naches, WA -- 10

1991 -- Feb 3, Cessna 182 Parachute Plane collides with private plane, Osceola, WI -- 7

Aviation Subset -- PARACHUTING/SKYDIVING – Chronological

1. 1952 -- Apr 1-10, Military Plane Crashes, Parachuting, "Exercise Longhorn," TX -- 10
2. 1981 -- Apr 17, Planes Collide, Air US 716 & Sky West Parachute, Loveland, CO -- 15
3. 1981 -- Dec 5, Crash, Jump Hawaii Club Beechcraft C-45, Honolulu, HI -- 11
4. 1982 -- Oct 17, Private Beechcraft C-45 Parachuting jump plane crash near Taft, CA -- 14
5. 1983 -- Aug 21, Crash, Command Aviation N116CA (parachute plane), Silvana, WA -- 11
6. 1985 -- Sep 29, Skydiving Crash, Westwind Sports & Parachute Ctr., Jenkinsburg GA-- 17
- 1991 -- Feb 3, Cessna 182 Parachute Plane collides with private plane, Osceola, WI -- 7
7. 1992 -- April 22, Plane Crash, Perris Valley Aviation (skydiving), Perris, CA -- 16
8. 1992 -- Sep 07, Beechcraft Parachuting Plane Crash, Hinckley, IL -- 12
9. 1995 -- Sep 10, Plane Crash, Peninsula Sky Diving Club, West Point, VA -- 12
10. 1999 -- July 31, Takeoff crash/Parahawks Skydiving Center plane, Marine City, MI -- 10
11. 2007 -- Oct 7, Plane crash, Kapowsin Air Sports (skydiving), near Naches, WA -- 10
12. 2019 -- June 21 -- Skydiving charter plane crash, Dillingham Airfield, Oahu, HI -- 11

Fatalities by Decade

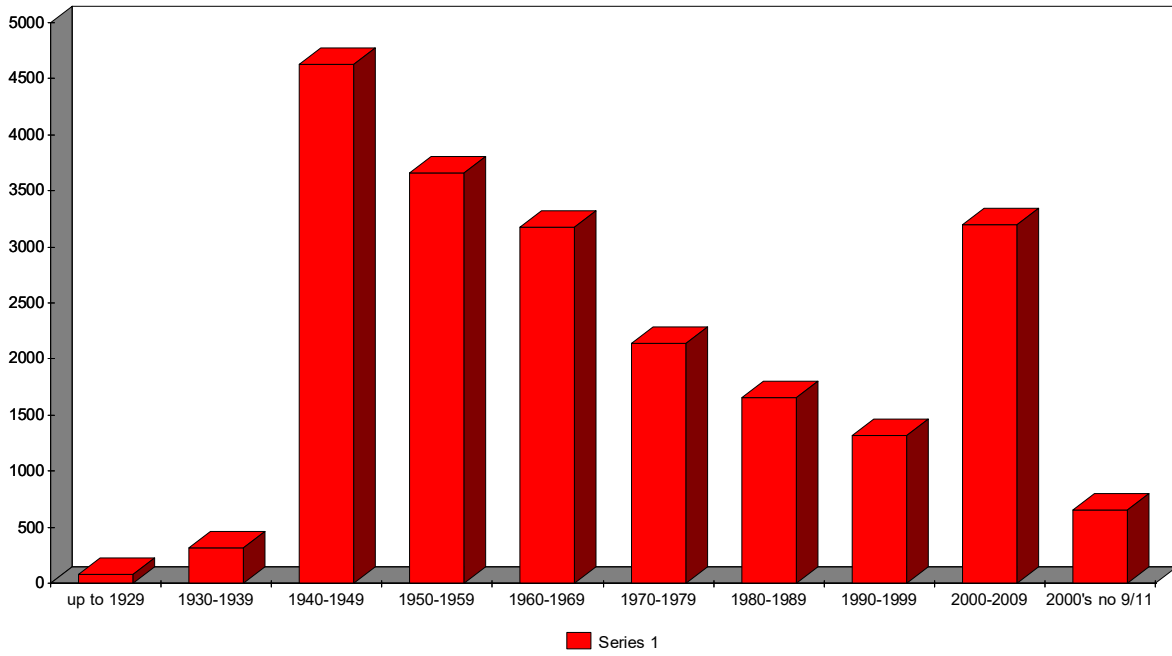
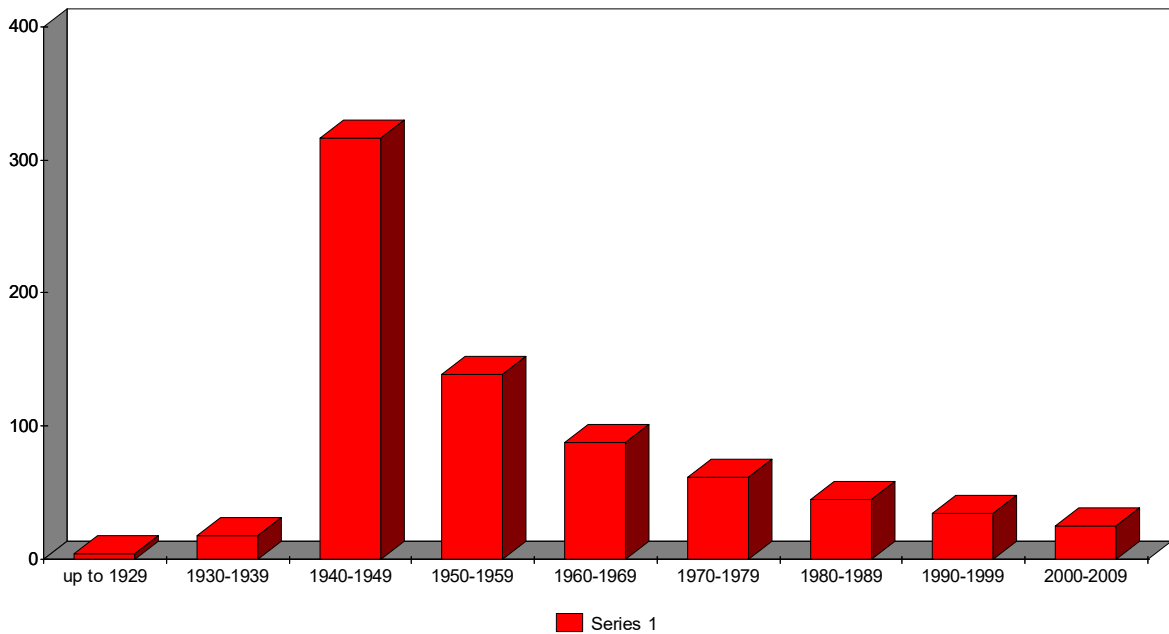


Figure 1

Aviation Events by Decade



CARBON MONOXIDE and Gas Poisoning/Asphyxiation (Residential) – By Mortality

1. 1931 -- The year, accidental carbon monoxide poisoning in garages, nationwide -- 469
2. 1936 -- Feb 03-24, coldwave, CO poisoning and one explosion (4 deaths), esp. MI/16¹⁵⁶-- 42
3. 1958 -- Feb 06-19, coldwave and snow storms, eastern half of US -- 35
4. 1968 -- Mar 06, Cargill Salt Mine shaft fire, CO² asphyxiation, Belle Isle, LA¹⁵⁷ -- 21
5. 1924 -- Dec 27-29, carbon monoxide poisoning deaths, New York City, NY --15-20
6. 2009 -- Jan 26-28, central/eastern ice and snowstorm, KY/13, MO/2, AR/OK/TN 1 each-- 18
7. 2017 -- Sep 10-11 (following), Hurricane Irma, FL (13), NC (1), SC (2) -- 16
8. 2021 -- Feb 13-19, winter storm weather, cold wave, power outages, especially TX/9 -- 15
9. 2012 -- Oct 29-30, Hurricane Sandy, NJ (5), NY (3), PA (4), WV (2)¹⁵⁸ -- 14
10. 1924 -- Jan 28, gas asphyxiation & gas/dynamite explos., Cumberland Hill, Manville, RI¹⁵⁹ ~13

11. 1954 -- Nov 07, CO fumes, faulty gas water heater kills family and guests, NYC, NY -- 10
12. 2008 -- Sep 13-18, Hurricane Ike, TX (8-9), KY (1) -- 9-10

13. 2005 -- Sep 24, Hurricane Rita, Beaumont, Jefferson Co. (6); Montgomery Co. (3) TX-- 9
14. 1998 -- Jan 9-12, Ice Storm, ME (3), NH (1) Upper New York (4) -- 8
15. 2003 -- Sep 18-19, Hurricane Isabel, Carbon Monoxide, MD (4), and VA (4)¹⁶⁰ -- 8
16. 2006 -- Dec 13-22, Windstorm, Pacific NW, Carbon Monoxide Poisoning (8/WA)¹⁶¹ -- 8
17. 2015 -- Mar 28-29,¹⁶² Carbon Monoxide Poisoning, family home, Princess Anne, MD-- 8
18. 2006 -- Dec 17, Carbon Monoxide poisoning, car in apartment garage, Kirksville, MO-- 7
19. 1936 -- Feb 4, Carbon Monoxide poisoning, Fusco family, Rankin, PA -- 6
20. 1977 -- Jan 28, Blizzard, Fostoria, OH -- 5
21. 2005 -- Aug 29-Sep 24, Hurricane Katrina, Louisiana -- 5
22. 2005 -- Oct 24, Hurricane Wilma, Category 3, Landfall SW Coast of Florida -- 4-5

¹⁵⁶ Twenty-eight of the carbon monoxide poisoning deaths were due to gas seeping into homes from gas mains outside the home which either leaked or cracked under pressure of frozen ground -- the outdoor temperatures dropping to sub-zero for prolonged periods.

¹⁵⁷ Cross-listed in Mine and Tunnel typology.

¹⁵⁸ Subset of 131-152 deaths in the U.S. from all hurricane-related causes, esp. NJ, NY, PA, MD, WV, CT.

¹⁵⁹ It appears, from medical examiner's statement that at least 13 of the sleeping victims asphyxiated from leaking gas prior to the explosion when the gas reached a light source. The explosion killed two others.

¹⁶⁰ Cross-listed in Carbon Monoxide Poisoning in that 8 of the 56 fatalities were attributed to CO poisoning.

¹⁶¹ Cross-listed in Windstorms.

¹⁶² Our dating based on report that family members were last seen alive on Saturday March 28, and children did not appear at school on Monday, March 30.

CARBON MONOXIDE and Gas Poisoning/Asphyxiation (Residential) – Chronological

1. 1924 -- Jan 28, gas leak & dynamite explosion, Cumberland Hill, Manville, RI -- 15
2. 1924 -- Dec 27-29, Carbon monoxide poisoning deaths, New York City, NY --15-20
3. 1931 -- accidental carbon monoxide poisoning in garages, nationwide -- 469
4. 1936 -- Feb 03-24, coldwave, CO poisoning and one explosion (4 deaths), esp. MI/16¹⁶³-- 42
5. 1954 -- Nov 07, CO fumes, faulty gas water heater kills family and guests, NYC, NY -- 10
6. 1958 -- Feb 06-19, coldwave and snow storms, eastern half of US -- 35
7. 1968 -- March 6, Cargill Salt Mine shaft fire, CO² asphyxiation, Belle Isle, LA¹⁶⁴ -- 21
- 1977 -- Jan 28, blizzard, Fostoria, OH -- 5
- 1998 -- Jan 9-12, ice storm, ME (3), NH (1) Upper New York (4) -- 8
- 2003 -- Sep 18-19, Hurricane Isabel, carbon monoxide poisonings, MD, VA¹⁶⁵ -- 8
- 2005 -- Aug 29-Sep 24, carbon monoxide poisonings, Hurricane Katrina, Louisiana -- 5
- 2005 -- Sep 24, Hurricane Rita, Beaumont, Jefferson Co. (6); Montgomery Co. (3) TX-- 9
- 2005 -- Oct 24, carbon monoxide poisonings, Hurricane Wilma, landfall SW FL coast-- 4-5
- 2006 -- Dec 13-22, windstorm, Pacific Northwest, carbon monoxide poisonings¹⁶⁶ -- 8
- 2006 -- Dec 17, carbon monoxide poisoning, car in apartment garage, Kirksville, MO -- 7
8. 2008 -- Sep 13-18, carbon monoxide poisonings after Hurricane Ike, TX/8-9, KY/1 -- 9-10
9. 2009 -- Jan 26-28, central/eastern ice and snowstorm, KY/13, MO/2, AR/OK/TN 1 each-- 18
10. 2012 -- Oct 29-40, carbon monoxide; Hurricane Sandy, NJ/5, NY/4, PA/4, WV/1¹⁶⁷ -- 14
- 2015 -- Mar 28-29,¹⁶⁸ carbon monoxide poisoning, family home, Princess Anne, MD -- 8
11. 2017 -- Sep 10-11 (following), Hurricane Irma, FL (13), NC (1), SC (2) -- 16
12. 2021 -- Feb 13-19, winter storm weather, cold wave, power outages, especially TX/9 -- 15

¹⁶³ Twenty-eight of the carbon monoxide poisoning deaths were due to gas seeping into homes from gas mains outside the home which either leaked or cracked under pressure of frozen ground -- the outdoor temperatures dropping to sub-zero for prolonged periods.

¹⁶⁴ Cross-listed in Mine and Tunnel typology.

¹⁶⁵ Cross-listed in Carbon Monoxide Poisoning in that 8 of the 56 fatalities were attributed to CO poisoning.

¹⁶⁶ Cross-listed in Windstorms (15 fatalities, total).

¹⁶⁷ Subset of 131-152 deaths in the U.S. from all hurricane-related causes, esp. NJ, NY, PA, MD, WV, CT.

¹⁶⁸ Our dating based on report that family members were last seen alive on Saturday March 28, and children did not appear at school on Monday, March 30.

COLD (Exposure to Excessive Natural Cold) – By Mortality

1. 2021 -- exposure to excessive natural cold/ICD-10 code X31, esp. AK/NM/IA/CO --1,179
2. 2019 -- exposure to excessive natural cold/hypothermia, esp. MI/70 NY/65 PA/61 --1,115
3. 2018 -- exposure to excessive natural cold/hypothermia, esp. MN/36 CO/34 IN/35 --1,028
4. 2014 -- exposure to excessive natural cold/hypothermia esp. PA IL NY OH MT NM -- 930
5. 2020 -- exposure to excessive natural cold; ICD-10 code X31, esp. AK, NM, CO, MN-- 919
6. 2015 -- exposure to excessive natural cold/hypothermia, esp. PA, NY, OH, AK, NM -- 815
7. 2017 -- exposure to excessive natural cold/hypothermia, esp. AK, WA, MN, CA, MI -- 804
8. 2000 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31, esp. PA/48 -- 742
9. 2016 -- exposure to excessive natural cold/hypothermia, esp. AK, CA, MI MT OH SD-- 731
10. 2013 -- exposure to excessive natural cold/hypothermia, esp. IL, NY, PA, MN, AZ WI-- 725

11. 2007 -- exposure to excessive natural cold/hypothermia; ICD-10 X31 code; esp. NY/53-- 711
12. 2010 -- exposure to excessive natural cold/hypothermia, ICD-10 code X31 -- 710
13. 2005 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. MI/40-- 700
14. 1996 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. PA/43 -- 685
15. 2004 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. PA/45 -- 676
16. 2011 -- exposure to excessive natural cold/hypothermia; 0.2 death rate; esp. AK, SD -- 672
17. 1978 -- exposure to excessive natural cold/hypothermia; ICD-8 E901, esp. OH/39 -- 652
18. 2002 -- exposure to excessive natural cold/hypothermia; ICD-10 X31 code); esp. PA/47-- 646
19. 1993 -- exposure to excessive natural cold/hypothermia; ICD9 E901 code, esp. MI/42 -- 641
20. 2008 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31, esp. MI/45-- 641
21. 1977 -- exposure to excessive natural; cold/hypothermia; ICD-8 E901; esp. OH/43 -- 634
22. 1994 -- exposure to excessive natural cold/hypothermia; ICD-9 code E901, esp. NY/38-- 633
23. 2003 -- exposure to excessive natural cold/hypothermia; ICD code X31, esp. PA/46 -- 620
24. 2009 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31 -- 616
25. 2001 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. MI/29-- 599
26. 1999 -- exposure to excessive natural cold/hypothermia; code X31, esp. NY/36, PA/36-- 598
27. 1990 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/45 -- 596
28. 1992 -- exposure to excessive natural cold/hypothermia; ICD9 code E901, esp. PA/37 -- 558
29. 1991 -- exposure to excessive natural cold/hypothermia; ICD9 E901 code, esp. IL/63 -- 588
30. 1995 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/41 -- 553
31. 1989 -- exposure to excessive natural cold/hypothermia; ICD9 code E901.0; esp. IL/45 -- 524
32. 1985 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/39 -- 519
33. 2006 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. MI/37 -- 519
34. 1983 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. GA/36 -- 510
35. 1997 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/36 -- 501
36. 2012 -- exposure to excessive natural cold/hypothermia; esp. CA/32 NY/31 IL/25 -- 501
37. 1968 -- excessive natural cold; ICD-8 code E901; esp. NY/34, IL/26, VA/24, PA/23 -- 494
38. 1972 -- excessive natural cold, ICD-8 code E901, esp. IL/46 NY/36 OH/24 VA/22 -- 490
39. 1970 -- excessive natural cold; ICD-8 code E901; esp. IL/26, VA/25, NY/24 -- 466
40. 1963 -- excessive cold (code E392) -- 457
41. 1988 -- exposure to excessive natural cold/hypothermia; ICD-9 E901.0; esp. IL/48 -- 431
42. 1969 -- excessive natural cold; ICD-8 code E901; esp. IL/33, MI/MN/NY 21 each -- 424
43. 1976 -- exposure to excessive natural cold/hypothermia; ICD-8 E901; esp. PA/24 -- 424

- 44. 1962 -- exposure to excessive natural cold -- 423
- 45. 1998 -- exposure to excessive natural cold/hypothermia; ICD-9 E901, esp. VA/26 -- 420
- 46. 1951 -- cold, exposure to excessive natural; USPHS *Vital Statistics -Mortality, 1951* -- 407
- 47. 1982 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0, esp. VA/26 -- 402

COLD (Exposure to Excessive Natural Cold) – By Mortality – continued:

- 48. 1973 -- excessive natural cold; ICD-8 code E901, esp. NC/33 SC/32 NY/19 AZ/18 -- 381
- 49. 1966 -- excessive cold (code E-392). USPHS *Vital Statistics* does not breakout by state -- 365
- 50. 1971 -- excessive natural cold; ICD-8 code E901; esp. NM/21, IL/20, NC/19, MN/NC/18--361
- 51. 1975 -- exposure to excessive natural cold; ICD-8 code E901; esp. NM/21, MN/20 -- 359
- 52. 1984 -- exposure to excessive natural cold/hypothermia; ICD-9 E901.0; esp. MN/21 -- 359
- 53. 1960 -- excessive natural cold (US PHS code E 932) -- 357
- 54. 1979 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/25 -- 356
- 55. 1948 -- cold, excessive; 1948 ICD code 190 -- 345
- 56. 1967 -- excessive natural cold (Public Health Service. *Vital Statistics 1967, Mortality*)-- 327
- 57. 1987 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0, esp. VA/28 -- 326
- 58. 1974 -- cold; ICD-8 code E901, exposure to excessive natural cold, esp. AZ/26, IL/23 -- 348
- 59. 1955 -- cold, excessive natural (US PHS *Vital Statistics-Mortality, E932*) -- 344
- 60. 1958 -- cold, exposure to excessive natural; USPHS *Vital Statistics -Mortality, p111* -- 307
- 61. 1980 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. MI/19 -- 302
- 62. 1986 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/32 -- 301
- 63. 1964 -- excessive cold; Public Health Service, *Vital Statistics-Mortality, code E932* -- 298
- 64. 1965 -- cold, excessive (code E392) -- 298
- 65. 1981 -- exposure to excessive natural cold/hypothermia (ICD9 E901.0); esp. VA/20 -- 289
- 66. 1956 -- cold, exposure to excessive natural; PHS *Vital Statistics -Mortality, 1956 (E932)*--254
- 67. 1950 -- cold, excessive, code E932, 6th revision of International Lists/1948, US PHS -- 250
- 68. 1957 -- cold, exposure to excessive natural; USPHS *Vital Statistics...1957 (E932)* -- 248
- 69. 1959 -- cold, excessive natural cold, *Vital Statistics 1959 (Int. Lists code E 932)* -- 242
- 70. 1925 -- cold, excessive natural, esp. IL/18, NY/18, PA/17, MI/15, VA/14, OH/11, WI/11--239
- 71. 1954 -- cold, excessive natural (US PHS *Vital Statistics -Mortality*) -- 230
- 72. 1952 -- cold, excessive natural; USPHS *Vital Statistics -Mortality, 1952 (E932)* -- 225
- 73. 1953 -- cold, exposure to excessive natural; USPHS *Vital Statistics -Mortality, 1953 (E932)*--209
- 74. 1961 -- cold, excessive natural (US Public Health Service code E932) -- 207
- 75. 1946 -- cold, exposure to excessive cold; International List code 190 -- 193

COLD (Exposure to Excessive Natural Cold) – Chronological

1. 1925 -- excessive cold, esp. IL/18, NY/18, PA/17, MI/15, VA/14, OH/11, WI/11	-- 239
2. 1946 -- cold, exposure to excessive cold; International List code 190	-- 193
3. 1947 -- cold, exposure to excessive cold; International List code 190	-- 270
4. 1948 -- cold, excessive; 1948 ICD code 190	-- 345
5. 1950 -- cold, excessive, code E932, 6 th revision of International Lists/1948, US PHS	-- 250
6. 1951 -- cold, exposure to excessive natural; USPHS <i>Vital Statistics -Mortality, 1951</i>	-- 407
7. 1952 -- cold, excessive natural; USPHS <i>Vital Statistics -Mortality, 1952</i> (E932)	-- 225
8. 1953 -- cold, exposure to excessive natural; USPHS <i>Vital Statistics -Mortality, 1953</i> (E932)	--209
9. 1954 -- cold, excessive natural (US PHS <i>Vital Statistics -Mortality</i>)	-- 230
10. 1955 -- cold, excessive natural (US PHS <i>Vital Statistics-Mortality, E932</i>)	-- 344
11. 1956 -- cold, exposure to excessive natural; PHS <i>Vital Statistics -Mortality, 1956</i> (E932)	--254
12. 1957 -- cold, exposure to excessive natural; US PHS <i>Vital Statistics...1957</i> (E932)	-- 248
13. 1958 -- cold, exposure to excessive natural; US PHS <i>Vital Statistics -Mortality, p.111</i>	-- 307
14. 1959 -- cold, excessive natural cold, <i>Vital Statistics 1959</i> (Int. Lists code E 932)	-- 242
15. 1960 -- excessive natural cold (US PHS code E 932)	-- 357
16. 1961 -- excessive cold (US Public Health Service code E932)	-- 207
17. 1962 -- excessive cold	-- 423
18. 1963 -- excessive cold (code E392)	-- 457
19. 1964 -- excessive cold; Public Health Service, <i>Vital Statistics-Mortality, code E932</i>	-- 298
20. 1965 -- cold, excessive (code E-392)	-- 298
21. 1966 -- excessive cold (code E-392)	-- 365
22. 1967 -- excessive natural cold (PHS. <i>Vital Statistics 1967, Mortality</i>)	-- 327
23. 1968 -- excessive natural cold; ICD-8 code E901; esp. NY/34, IL/26, VA/24, PA/23	-- 494
24. 1969 -- excessive natural cold; ICD-8 code E901; esp. IL/33, MI/MN/NY 21 each	-- 424
25. 1970 -- excessive natural cold; ICD-8 code E901; esp. IL/26, VA/25, NY/24	-- 466
26. 1971 -- excessive natural cold; ICD-8 code E901; esp. NM/21, IL/20, NC/19, MN/NC/18	-- 361
27. 1972 -- excessive natural cold, ICD-8 code E901, esp. IL/46 NY/36 OH/24 VA/22	-- 490
28. 1973 -- excessive natural cold; ICD-8 code E901, esp. NC/33 SC/32 NY/19 AZ/18	-- 381
29. 1974 -- exposure to excessive natural cold, ICD-8 code E901, esp. AZ/26, IL/23	-- 348
30. 1975 -- exposure to excessive natural cold; ICD-8 code E901; esp. NM/21, MN/20	-- 359
31. 1976 -- exposure to excessive natural cold/hypothermia; ICD-8 E901; esp. PA/24	-- 424
32. 1977 -- exposure to excessive natural cold/hypothermia; ICD-8 E901; esp. OH/43	-- 634
33. 1978 -- exposure to excessive natural cold/hypothermia; ICD-8 E901, esp. OH/39	-- 652
34. 1979 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/25	-- 356
35. 1980 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. MI/19	-- 302
36. 1981 -- exposure to excessive natural cold/hypothermia (ICD9 E901.0); esp. VA/20	-- 289
37. 1982 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0, esp. VA/26	-- 402
38. 1983 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. GA/36	-- 510
39. 1984 -- exposure to excessive natural cold/hypothermia; ICD-9 E901.0; esp. MN/21	-- 359
40. 1985 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/39	-- 519

- 41. 1986 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/32 -- 301
- 42. 1987 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0, esp. VA/28 -- 326
- 43. 1988 -- exposure to excessive natural cold/hypothermia; ICD9 E901.0; esp. IL/48 -- 431
- 44. 1989 -- exposure to excessive natural cold/hypothermia; ICD9 code E901.0; esp. IL/45 -- 524

COLD (Exposure to Excessive Natural Cold) – Chronological – continued:

- 45. 1990 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/45 -- 596
- 46. 1991 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/63 -- 588
- 47. 1992 -- exposure to excessive natural cold/hypothermia; ICD9 code E901, esp. PA/37 -- 558
- 48. 1993 -- exposure to excessive natural cold/hypothermia; ICD9 E901 code, esp. MI/42 -- 641
- 49. 1994 -- exposure to excessive natural cold/hypothermia; ICD9 code E901, esp. NY/38-- 633
- 50. 1995 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/41 -- 553
- 51. 1996 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. PA/43 -- 685
- 52. 1997 -- exposure to excessive natural cold/hypothermia; ICD9 code E901; esp. IL/36 -- 501
- 53. 1998 -- exposure to excessive natural cold/hypothermia; ICD9 code E901, esp. VA/26-- 420
- 54. 1999 -- exposure to excessive natural cold/hypothermia; code X31, esp. NY/36, PA/36-- 598

- 55. 2000 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. PA/48-- 742
- 56. 2001 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. MI/29-- 599
- 57. 2002 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. PA/47-- 646
- 58. 2003 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31, esp. PA/46-- 620
- 59. 2004 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. PA/45-- 676
- 60. 2005 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. MI/40-- 700
- 61. 2006 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. MI/37-- 519
- 62. 2007 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31; esp. NY/53-- 711
- 63. 2008 -- exposure to excessive natural cold/hypothermia; ICD-10 code X31, esp. MI/45-- 641
- 64. 2009 -- exposure to excessive natural cold/hypothermia' ICD-10 code X31 -- 616

- 65. 2010 -- cold (exposure to excessive natural cold/hypothermia), ICD-10 code X31 -- 710
- 66. 2011 -- cold, exposure to excessive natural/hypothermia; 0.2 death rate; esp. AK -- 672
- 67. 2012 -- exposure to excessive natural cold/hypothermia; esp. CA/32 NY/31 IL/25 -- 501
- 68. 2013 -- exposure to excessive natural cold/hypothermia, esp. IL NY PA MN AZ WI -- 725
- 69. 2014 -- exposure to excessive natural cold/hypothermia, esp. PA IL NY OH MT -- 930
- 70. 2015 -- exposure to excessive natural cold/hypothermia, esp. PA NY OH AK NM -- 815
- 71. 2016 -- exposure to excessive natural cold/hypothermia, esp. AK CA MI MT OH SD -- 731
- 72. 2017 -- exposure to excessive natural cold/hypothermia, esp. AK WA MN CA MI -- 804
- 73. 2018 -- exposure to excessive natural cold/hypothermia, esp. MN/36, CO/34, IN/35 --1,028
- 74. 2019 -- exposure to excessive natural cold/hypothermia, esp. MI/70 NY/65 PA/61 --1,115

- 75. 2020 -- exposure to excessive natural cold; ICD-10 code X31, esp. AK, NM, CO, MN-- 919
- 76. 2021 -- exposure to excessive natural cold/ICD-10 code X31, esp. AK/NM/IA/CO --1,179

Select Communicable and Infectious Diseases

Communicable Disease: “An infectious disease transmissible (as from person to person) by direct contact with an effected individual or the individual’s discharges or by indirect means (as by a vector.” (*Merriam Webster Dictionary*)

Contagious Disease: “An infectious disease transmissible (as from person to person) by direct contact with an affected individual or the individual's discharges or by indirect means (as by a vector)” (*Merriam Webster Dictionary*) [Note communicable and contagious disease definitions are identical – we choose to use the word “Communicable” below.]

Examples of Communicable/Contagious Diseases

bubonic plague	Bacterial (<i>Yersinia pestis</i>) infection (fleas); communicable.
chickenpox	
cholera	Bacterial infectious disease; highly communicable.
croup	Viral infection; communicable/contagious
diphtheria	Bacterial infectious disease, highly communicable.
dysentery	
encephalitis	
HIV/AIDS	Viral infection; communicable via direct body fluid contact.
influenza/pneumonia	Viral infectious disease; communicable/contagious.
measles (Rubeola and rubella)	Viral infectious disease; highly communicable.
meningitis	Bacterial infectious disease; communicable/contagious.
polio (poliomyelitis)	Viral infectious disease; communicable/contagious.
scarlet fever (scarlatina)	Bacterial infectious disease; communicable/contagious.
smallpox (<i>Variola</i>)	Viral infectious disease; highly communicable/contagious.
tuberculosis	Bacterial infectious disease; communicable.
typhus (epidemic)	Bacterial (<i>Rickettsia</i>) infection; communicable.
whooping cough (<i>Pertussis</i>)	Bacterial infection (<i>Bordetella pertussis</i>); communicable.

infectious Disease: “infectious diseases are disorders caused by organisms -- such as bacteria, viruses, fungi or parasites. Many organisms live in and on our bodies. They're normally harmless or even helpful, but under certain conditions, some organisms may cause disease.

“Some infectious diseases can be passed from person to person. Some are transmitted by bites from insects or animals. And others are acquired by ingesting contaminated food or water or being exposed to organisms in the environment...” (*Mayo Clinic*.)

Examples of other infectious Diseases not communicable or not highly communicable

Legionellosis (<i>Legionnaires’ Disease</i>)	Bacterial (<i>legionella pneumophila</i>) infection.
malaria	Plasmodium parasite infection spread by <i>Anopheles</i> mosquito.
typhoid fever (also Enteric fever)	Bacterial infection (<i>Salmonella typhi</i>), contaminated food/water
yellow fever	Flavivirus infection (communicated via mosquito bite).

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality¹⁶⁹

1. 1492-1800 – North American Native American population decline, esp. disease ~2,800,000
2. 1918-1919, influenza and pneumonia epidemic 531,851-728,922
 - 1918 -- influenza and pneumonia epidemic 430,000-543,482
 - 1919 -- influenza and pneumonia epidemic 101,851-185,440
 - 1920 -- influenza and pneumonia (1918-1920 subset) 141,609-220,798
3. 2021 -- COVID-19 (coronavirus), US deaths per 1M pop., ~2.6K per million --437,984
4. 2020 -- Feb 29-Dec 31, COVID (coronavirus), US deaths per 1M pop., 1,070 --354,215
5. 2022 -- COVID-19/US death rate 6.50; esp. MO/9.99, FL/9.8, OH/9.8, IN/9.6, PA/9.5--217,370
6. 1957-58, esp. fall-spring -- H2N2 “Asian” influenza and pneumonia Pandemic ~116,000
7. 1917 -- influenza/12,974; bronchitis/12,311; pneumonia/74,874 100,159-115,526
8. 1900 -- tuberculosis, esp. CA, IL, IN, KY, MA, MO, NJ, NY, OH, PA, TN 109,750
9. 1920 -- tuberculosis, esp. Denver, San Antonio, Nashville, New Orleans 99,916
10. 1861-65--Apr-June, dysentery, Civil War, apparently Union & Confederate forces ~95,000

11. 1940 -- influenza and pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX 92,525
12. 1879 -- June-May 1880, tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA 91,270
13. 1925 -- tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819 89,268
14. 1775-82 smallpox epidemic North America ~84,000
15. 1931 -- tuberculosis, esp. CA, IL, NY, OH, PA 81,395
16. 2017-2018 -- winter (March 2018 end) influenza (primarily H3N2) ~80,000
17. 1907 -- tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly) 76,650
18. 1920 -- influenza (1920 census pop.) Census. *Mortality Statistics 1920*. p. 18. 75,260
19. 2023 -- COVID (354K deaths/2020; 438K/2021; 217K/2022; 1.19M 2020-2023) 71,691
20. 1870 -- tuberculosis (consumption), nationwide 69,896
21. 1861-65--Apr-June, typhoid fever, Civil War, Confederate/Union forces ~65,000
22. 1966 -- influenza (2,830) and pneumonia (60,785) 63,615
23. 1939 -- tuberculosis, nationwide, esp. CA, IL, NY, OH, PA, TN, TX 61,609
24. 1905 -- tuberculosis (10 registration states, DC, 134 non-registration cities), esp. NY 56,770
25. 1940 -- tuberculosis, nationwide, especially CA, IL, NY, OH, PA and TX 55,576
26. 1944 -- tuberculosis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX 54,731
27. 1849 -- cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K)¹⁷⁰ >45K-51,428
28. 1928-1929 – winter, influenza and pneumonia epidemic ~50,000
29. 1946 -- tuberculosis, respiratory, code 13 (all forms including respiratory, 50,911) --46,939
30. 1860 -- tuberculosis (consumption), nationwide 49,082
31. 1947 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 48,064) 44,462
32. 1948 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 43,833) 40,420
33. 1870 -- pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA 40,012

¹⁶⁹ For a listing of communicable diseases go to: <http://www.dhs.wisconsin.gov/communicable/>

¹⁷⁰ There were outbreaks in other States (see narrative document). Our sources could not have had access to all cholera deaths in areas of coverage. Collins and Collins write in *History of Kentucky*, there were many more deaths in the smaller towns and the countryside than they were able to chronicle. This must have been true all up and down routes of river and rail traffic as well as in the wagon trains heading west during the Gold Rush. In addition, part of the explanation for the range has to do with what was called a death by cholera or a death caused by cholera-like symptoms, such as diarrhea or dysentery (interestingly co-incident in epidemic form during a cholera outbreak).

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

34. 1879 -- June-May 1880, diphtheria, esp. PA/4.6K; IL/3.7K; NY/2.3K; IA/2.3K, ME/MI/WI --38,143
35. 1949 -- tuberculosis, respiratory (all forms including respiratory were 39,100) --35,988
36. 1900 -- typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX 35,379
37. 1968--69 (Sep-March), A2 “Hong Kong” influenza (and pneumonia) epidemic 33,800
38. 1850 -- tuberculosis (consumption), esp. NY/6,691, PA/3,520, MA/3,426, OH/2,558 33,516
1780-82 -- smallpox epidemic, Native Americans, Great Plains (see 1775-1782) >32,000
39. 1931 -- influenza, [additionally, pneumonia, all forms (96,974)], esp. PA --31,701
40. 1951 -- tuberculosis (respiratory), esp. NY/3.5K, PA/2.5K, CA/2.2K, TX/2K, IL/1.8K --31,163
41. 1870 -- diarrhoea (14,195), dysentery (7,912) and Enteritis (9,046) ≥31,153
42. 1925 -- influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464 30,538
43. 1829-1833/esp. 1833--malaria? epidemic, West Coast Natives; CA/20K, OR-WA/10K--30,000
44. 1861-65--Apr-June, malaria, Civil War, Union/10K & Confederate/20K forces ~30,000

45. 1950 -- tuberculosis, pulmonary. Code 002, Sixth Rev. of International Lists, 1948 --29,228
46. 1889-90, June-May, diphtheria, 48 States & DC, esp. NY/4K, PA/2.9K, IL/2.6K 27,815
47. 1889-90, June-May, typhoid (Enteric) fever, esp. PA, 2.8K, NY/1.7K, IL/1.7K, OH/1.6K 27,058
48. 1860 -- scarlatina (scarlet fever), 38 Census “Registration” States and DC 26,402
49. 1910 -- typhoid fever, avg. death rate 23.5; esp. NC, 57.7, CO/41.9, MD/40.7, MT/39.9 25,000
50. 1879 -- June-May 1880, typhoid (“Enteric”) fever, esp. IL, IN, MO, OH, TX 23,339
51. 1930 -- influenza, 48 States and District of Columbia (pneumonia was 88,770) --23,066
52. 1952 -- tuberculosis (respiratory), esp. NY/2462, CA/1678, PA/1662, IL/1385, TX/12K--22,700
53. 2012-2013 (winter) -- estimated excess influenza & pneumonia deaths --18,066-22,434
54. 1870 -- typhoid fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA 22,187
55. 1989 -- HIV AIDS, US death rate 8.9, DC/55.7, NY/25.6, NJ/19.6, FL/16.1, CA/14.9 22,082
56. 1915 -- Dec-Jan 1916, influenza & pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI 21,102
57. 1939 -- influenza, (pneumonia separately was 77,633), esp. CA/IL/MI/MO/NY/OH/PA 21,464
58. 1850 -- dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965 20,556
59. 1870 -- scarlet fever, esp. IL, MO, NY, PA, WI 20,339
60. 1879 -- June-May 1880, “malarial fever,” esp. AL, AR, GA, IL, MS and MO 20,231
61. 1878 -- June-Dec, yellow fever, esp. LA (esp. New Orleans), MS, TN (esp. Memphis) ~20,000

62. 1853 -- May-Dec, yellow fever, esp. AL/1293, LA/~15K, MS/1311 TX/871 --18,770-19,533
63. 1900 -- meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189, NJ/909 19,423
64. 1860 -- typhoid fever, Census “Registration” States 19,236
65. 1940 -- syphilis, US death rate 14.4 per 100K pop, esp. FL DC AZ DE MS MD AL 19,006

66. 1916 -- influenza 18,886
67. 1832 -- June-Dec 16, cholera epidemics, esp. DC/LA/MD/NJ/NY/OH/PA/VA--16,781-18,491

68. 1879 -- June-May, 1880 -- croup, especially Oct-Dec, especially IL, PA and TN 17,966
69. 1953 -- tuberculosis/respiratory, esp. NY/1983, PA/1428, CA/1383, IL/1235, TX/948--17,954
70. 1890 -- Jan-March¹⁷¹ influenza (La Grippe/Russian Flu), esp. NY/IL/CT/OH/PA--16,295-17,807
71. 1866 -- May-Dec, cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Philly/Army --~16K-17,742

¹⁷¹ Technically, what became the flu epidemic of early 1890 began in late December 1889.

72. 1912 -- Jan 1-Jun 8, tuberculosis, CA, IL, IN, MA, MO, NJ, NYC, PA, TX, WI 17,484
 73. 1944 -- influenza, especially Jan-Apr & Dec, nationwide, especially OH, PA, TX 17,320
 74. 1837-38--smallpox, Upper Mid-West Native tribes, especially Dakotas/MT --10K--17,000
 75. 1916 -- diphtheria, especially children, nationwide, esp. PA, NY, MI >8,000-17,000

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

76. 1900 -- influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667-16,645
 77. 1988 -- HIV AIDS, US death rate 6.8, DC/39.0, NY/22.2, NJ/114.9, FL/11.7, CA/11. 16,602
 78. 1900 -- diphtheria, esp. PA/2805, NY/2673, IL/1504, MA/1072, OH/698, NJ/678 16,475
 79. 1880 -- scarlet fever, especially children, nationwide, especially IN, NY and PA 16,388
80. 2010 -- HIV/AIDS, U.S., nationally 15,525
 81. 2010-11 (winter)--estimated excess influenza & pneumonia Deaths (95%CI) --12,111-15,372
 82. 1860 -- croup (contagious upper airway viral infection), nationwide 15,188
 83. 1954 -- tuberculosis (respiratory), esp. NY/1667, CA/1108, PA/1100, IL/939, TX/843 --15,146
84. 1900 -- malarial fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001 14,874
 85. 1850 -- cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI¹⁷² --14,158-14,637
 86. 1894 -- diphtheria, NY/6.6K, esp. NYC/2785, MA/1.5K, Chicago, 1.4K, Philly, NJ 14,606
 87. 1887 -- diphtheria, esp. NY/6490 (NYC/4509), Chicago/1405, St. Louis/1112, Philly 14,507
 88. 1861-65--Apr-June, tuberculosis, Civil War mil., Union/6,946 deaths, Confederate/?~14,000
89. 1889-90, June-May -- croup, 48 States & DC, esp. NY/1.5K, PA/1.4K, IL/957, MO 13,862
 90. 1955 -- tuberculosis (respiratory), esp. NY/1642, PA/1239, CA/1076, IL/797, TX/736--13,676
 91. 1987 -- HIV infection/AIDS, death rate 5.55, esp. DC/28.1, NY/19.1, NJ/13.7, CA/9.5 13,468
 92. 1920 -- diphtheria & croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885¹⁷³ 13,395
 93. 1835 -- Nov-Spring 1838, smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK 13,105
 94. 1850 -- typhoid fever, 31 States, Washington, DC, four Territories 13,099
95. 1956 -- tuberculosis (respiratory), esp. NY/1,577, PA/1,029, CA/938, IL/763, TX/729--12,978
 96. 1900 -- measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974 12,866
 97. 1907 -- typhoid, esp. PA/3,538, NY/1,702, IN/948, MI/594, CA/545 OH/523 MD/520 12,670
 98. 1900 -- croup (upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686 12,484
 99. 1891 -- March-May, influenza & pneumonia, esp. Chicago/6,800, NY/5,572 12,472
 100. 2009 -- Apr 12-Apr 10, 2010, H1N1 "Swine Flu" Pandemic (U.S.) 12,469
 101. 1957 -- tuberculosis (respiratory), esp. NY/1493, PA/959, CA/833, TX/733, IL/673 --12,384
 102. 1958 -- tuberculosis, esp. NY/1,380, PA/1013, CA/872, IL/725, TX/721, OH/550 --12,361
 103. 1986 -- HIV AIDS, New York City (2,650), U.S. --12,053
104. 1900 -- dysentery, esp. AL/861 TX/794 GA/781 NY/676 TN/663 SC/578 AR/541 11,710
 105. 1738-39 -- smallpox, Catawba (NC/SC) and Cherokee Natives (NC) 7,700-11,700
 106. 1959 -- tuberculosis, esp. NY/1,316, PA/981, CA/815, IL/643, TX,633, OH/527 --11,456

¹⁷² This reflects zero Plains Native American deaths, whereas the range of cholera deaths amongst Plains natives in 1849 was 5,600-6,500. We believe that there must have significant loss of life, but have just not located sources.

¹⁷³ Data from 34 Census Bureau Registration States and a number of cities $\geq 100,000$ in non-registration states.

107. 2018 -- influenza, ICD-10 codes J09-11.8, death rate 3.4 per 100K pop., esp. WV/6.6--11,164
 108. 1879 -- June-May 1880, whooping cough, nationwide, esp. IN, GA, NC, TX, AL 11,064
 109. 1861-65--Apr-June, measles, Civil War, Union and Confederate troops ~11,000

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

110. 1920 -- whooping cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536¹⁷⁴ 10,968
 111. 1911 -- Aug-Dec, tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX 10,926
 112. 1881 -- diphtheria, esp. NY/3.7K (NYC/2249, Brooklyn/1143), MI/2K, MA/1K, NJ/972--10,886
 113. 1960 -- tuberculosis, death rate 6.1 per 100K; esp. AZ/12.1, DC/11.8, KY/10.7 10,866
 114. 1885 -- diphtheria & croup, localities in 16 states; esp. NY/4508, MI/1552, NJ/1496 10,788
 115. 1850 -- croup (contagious upper airway viral infection), nationwide 10,706
 116. 1870 -- croup (contagious upper airway viral infection), nationwide 10,692
 117. 1914 -- influenza and pneumonia, NYC, NY 10,500
 118. 1854 -- cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston 10,275-10,467
 119. 1907 -- diphtheria and croup, nationwide, esp. NY and PA (esp. Philadelphia) 10,154
 120. 1907 -- influenza, Census "Registration States" and localities 10,066
 121. 1867 -- July-Dec, yellow fever, esp. New Orleans, Galveston/Houston; also AL/FL/MS/TN 10,012
 122. 1659 -- measles epidemic, Native Americans, FL 10,000
 123. 1798 -- yellow fever epidemic, East Coast Port Cities 10,000
 124. 1837 -- smallpox, California Native Americans¹⁷⁵ 2,000-10,000
 125. 1848 -- Sep-early '49, measles/whooping cough/dysentery/influenza epidemics, HI 10,000
126. 1900 -- whooping cough, esp. NY/988, PA/702, TX/576, IL/497, AL/494, TN/425 --9,958
 127. 1961 -- tuberculosis, US death rate 5.4 per 100K; esp. DC/13. KY/10, AR/10.6, AZ/9.4 --9,938
 128. 1872 -- smallpox, esp. Philly/2591, NYC/1666, St. Louis/1.6K, Baltimore/1217, Boston/1K--9,742
 129. 1861 -- May 1-Jun 30, 1866, smallpox, Union soldiers and Confederate prisoners¹⁷⁶ --9,682
 130. 1850 -- scarlet fever, esp. PA/1,974, OH/1,301, NY/1,028, MA/571, MD/561, VA/523 --9,584
 131. 1953 -- influenza, esp. TX/716 OH/532 MO/484 PA/460 GA/427 TN/414 AL/393 --9,500
 132. 1962 -- tuberculosis, death rate 5.1 per 100K; esp. DC/11.9, KY/9.8, AZ&AR/9.7 --9,508
 133. 1853 -- smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC--7,450-9,450
 134. 1963 -- tuberculosis, US death rate 4.9; esp. DC/12.3, AZ/9.7, WV/8.6, KY/8.7 WV/8.6 --9,311
 135. 1889-90, June-May, measles, esp. NY/757, PA/676 KY/513 MO/513 OH/714 AL/496--9,256
 136. 1870 -- measles, nationwide --9,237
 137. 1897 -- typhoid (enteric) fever, esp. NY/1.5K, OH/1.2K, MA/1.1K, IN/655, PA -->9,192
 138. 1919 -- diphtheria , 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ NY OH --9,160
 139. 1918 -- typhoid fever, 33 Registration States, DC and Puerto Rico, esp. TX --9,100
 140. 1801-02 -- smallpox, Natives, esp. Chinook, Omaha, Osage, esp. Central, Northwest-->9,090
 141. 1870 -- whooping or "Hooping" cough, nationwide, esp. NY, IL, IN, OH, PA --9,008

¹⁷⁴ Data from 34 Census Bureau Registration States and a number of cities $\geq 100,000$ in non-registration states.

¹⁷⁵ As noted in the narrative description section, Shelburne Friend Cook in his *The Conflict Between the California Indian and White Civilization*, Part 4, 1976, p. 213, writes that the accounts he has before him giving estimates of 100,000, and 200,000 to 300,000, are "obviously wild guesses." His own guesstimate (p. 214) is 2,000. We simply recognize the range. In another book in 1978 he writes that "the mortality may have reached 10,000."

¹⁷⁶ There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

142. 1875 -- tuberculosis; data on Chicago/880, MI/1419, NYC/4172, Philly/2359 --8,830
143. 1946 -- influenza, infectious and parasitic diseases International List code 33 --8,783
144. 1900 -- smallpox, esp. MS/782, LA/708 NM/287 VA/263 AL/224 AR/195 TX/146 --8,484
145. 1860 -- whooping cough, nationwide, especially, NY, NC, OH, PA, and VA --8,408
146. 1964 -- tuberculosis, US death rate 4.3; esp. DC/12, AZ/9, AL/7.4, WV/7.2, TN/7.0 --8,303
147. 1925 -- typhoid & paratyphoid fever, 48 States, esp. KY/668, TN/653, LA/649 --8,287
148. 1880 -- measles, nationwide, especially GA, IL, IN, KS and MO --8,254
149. 2013 -- viral hepatitis, ICD-10 code B-15-B19, esp. OR/6.0 death rate, DC/5.9 --8,157
150. 1913 -- measles, US "registration area" (65.1%), esp. PA/1,578, NY/1,120, OH/679 --8,108
151. 2014 -- viral hepatitis, ICD-10 code B-15-B19, esp. DC, OR (5.3 death rate per 100,000) --8,081
152. 2012 -- viral hepatitis, ICD-10 code B-15-B19, esp. NM/99, AZ/291, CA/1,387 --8,062
153. 1925 -- diphtheria, esp. NY/1006, PA/973 IL/409 OH/392 MI/360, NJ/337 MA/334 --8,058
154. 1965 -- tuberculosis, US death rate 4.1 per 100K; DC/12.7, AL/7.5, AZ/7.5, NM/6.6 --7,934
155. 1976 -- influenza, ICD-8 codes 470-474, death rate 3.6 per 100K, esp. NE/12.9 --7,877
156. 1960 -- influenza,¹⁷⁷ US death rate 4.4 per 100K; esp. AL/11.5, SC/11.2, MS/10.9 --7,872
157. 2011 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.5 per 100K), esp. DC (7.1) --7,850
158. 1920 -- measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496¹⁷⁸ --7,712
159. 1947 -- influenza, infectious and parasitic diseases code 33 --7,664
160. 1966 -- tuberculosis, esp. NY/844, PA/589, CA/537, IL/410, TX/404, OH/340 --7,625
161. 2010 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.4 per 100K), esp. OK (4.9) --7,564
162. 1879 -- June-May 1880, meningitis, especially KY, NY, PA, MO and TN --7,481
163. 2015 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 6.4 per 100,000) --7,461
164. 1963 -- influenza,¹⁷⁹ US death rate 3.8; SC/11.9, KY/11.6, WV/11, MS/10.9 TN/9.3 --7,083
165. 1968 -- influenza, ICD-8 codes 470-474/death rate 3.5 per 100K, esp. VE/15.0, NE/9.1 --7,062
166. 1882 -- smallpox, esp. Chicago/1292, Cincinnati/1249, PA/1111, Baltimore/551 -->7,056
167. 1916 -- July-Sep esp., polio, esp. NYC/NY (3,331), NJ (1,180), PA (414) --6,745->7,000
168. 1925 -- whooping cough, esp. PA/648, NY/523, CA/481, OH/374, IL/315, MA/279 --6,948
169. 1985 -- HIV AIDS, New York City (1,663), U.S. --6,903
170. 1967 -- tuberculosis --6,901
171. 1920 -- typhoid fever, esp. PA/503 KY/490 OH/435 TN/434 IL/380 NY/SC/379¹⁸⁰ --6,805
172. 1873 -- Feb-Sep, cholera, esp. TN/>2K esp. Nashville/~1K, KY/~1K, St. Louis --5814-6,519
173. 2017 -- influenza; death rate 2.0 per 100K pop.; esp. ME/5.2, MT/5.1, OR/4.9, WA/4.2 --6,515
174. 1858 -- June-Dec, yellow fever, esp. Charleston SC; Galveston, Indianola; New Orleans--4855--6,490
175. 2016 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 4.8 per 100K; US 2.0) --6,421
176. 1812 -- Oct-Jun 1813 (esp.), Peripneumony/Lung fever (pneumonia), VT, esp. Burlington -4350-6400

¹⁷⁷ Distinct from the 58,931 pneumonia deaths (codes 490493) noted in the Table 1-V, p. 1-42.

¹⁷⁸ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with an estimated population of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

¹⁷⁹ Distinct from the 63,678 pneumonia deaths noted in the next column in Table 1-12.

¹⁸⁰ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with an estimated population of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

- 177. 1833 -- May-Aug (esp.), cholera, esp. KY/~2000, NOLA/1000, WV/OH/IN/TN/IL --6308-6,353
- 178. 1900 -- scarlet fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334 --6,333
- 179. 1870 -- diphtheria, nationwide --6,303
- 180. 1968 -- tuberculosis, US death rate 3.2 per 100K, esp. DC/10.9, AZ/6.2, AL/6. WV/6. --6,292
- 181. 2016 -- HIV AIDS, US death rate 1.9, DC/12.0, FL/4.2, LA/3.9 GA/3.4 MD/3.2 --6,160
- 182. 1855 -- June-Nov, yellow fever, esp. New Orleans/2670; Norfolk/Portsmouth, VA/3K --6,059

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

- 183. 1969 -- influenza, ICD-8 codes 470-474/death rate 2.96 per 100K, esp. KS/6.6, SC/6., MT/6.--5,971
- 184. 2020 -- influenza (distinct from 47,601 pneumonia deaths); death rate 1.8 per 100K --5,943
- 185. 2019 -- influenza, esp. CA/560 TX/396 NY/336 lives lost; VT/4.3 OR/3.7 NE/3.3 death rate--5,902
- 186. 1891 -- typhoid fever, esp. Chicago/2K, NY/1926, Philadelphia/683, NJ/695, DC --5,840
- 187. 1931 -- diphtheria, especially children, especially AR, IL, KY and PA --5,738
- 188. 2017 -- HIV, US death rate 1.75 per 100K, esp. DC/9.8, MS/3.8, FL/3.6, LA/3.5 --5,698
- 189. 1952 -- influenza, esp. TX/433 PA/377 OH/335 AL/283 NC/248 VA/239 MO/226 --5,649
- 190. 1864 -- Feb 24-Apr 17, 1865, diarrhea & dysentery, Union POW's, Andersonville, GA --5,605
- 191. 1969 -- tuberculosis, US death rate 2.76 per 100K, esp. DC/9.6, AZ/6.0, AL/5.9 --5,567
- 192. 2018 -- HIV; US death rate 1.66 per 100K, esp. DC/9.25, MS/4.15, LA/3.4 FL/3.3 --5,425
- 193. 1850 -- whooping cough, esp. NY/649, OH/450, GA/385, AL/305, PA/288, SC/269 --5,280
- 194. 1881 -- smallpox, esp. Philly/1336, Chicago/1180, NYC/503, Pittsburgh/448, HI/282 --5,275
- 195. 2015 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --5,251
- 196. 1970 -- tuberculosis, US death rate 2.56 per 100K, esp. DC/6.8 AL/5.0 WV/4.5 KY/4.3 --5,217
- 197. 2020 -- HIV, US death rate 1.55, esp. DC/9.4, FL/3.1, MS/3.34, GA/3.1, MD/2.96 --5,155
- 198. 1973 -- influenza, ICD-8 codes 470-74/death rate 2.4 per 100K, esp. ID/7.4 WY/7.4 WA/7.2 --5,131
- 199. 1905 -- cerebrospinal meningitis epidemic, esp. NYC/1511-2025; also CT/NH/NJ/MA --5,114
- 200. 1906 -- measles, nationwide --5,087
- 201. 1948 -- influenza, 1948 ICD infectious and parasitic diseases code 33 --5,068
- 202. 2019 -- HIV, US death rate 1.54 per 100K pop.; DC/10.0, FL/3.2, MD, 3.0, GA/2.7 --5,044
- 203. 1735-1741 (esp. 1735-37), "throat distemper" (diphtheria),¹⁸¹ esp. CT/ME/MA/NH --5,000
- 204. 1793 -- Aug-Nov, yellow fever epidemic, Philadelphia, PA --4,041-5,000

- 205. 1972 -- influenza, ICD-8 codes 470-474/death rate 2.38 per 100K, esp. SD/8.9 ME/8.7 --4,986
- 206. 2021 -- HIV, US death rate 1.50, esp. DC/7.46, FL/2.89, GA/2.76, MS/2.71, LA/2.7 --4,977
- 207. 1907 -- whooping cough, Census Registration States and localities --4,856
- 208. 2011-2012 (winter) -- estimated excess influenza & pneumonia Deaths --3,691-4,747
- 209. 1852 -- cholera, esp. NY/1.3K, IL/1.2-1.3K, New Orleans/1K-1.3K, MO/~1K --4,381-4,736
- 210. 1921 -- measles, especially children, nationwide --4,667
- 211. 1898 -- typhoid, esp. June-Dec, Spanish War Army camps and civilians, esp. Philly->4,627
- 212. 1931 -- whooping cough, year, especially children, esp. IL, KY, NY and PA --4,619
- 213. 2014 -- influenza (ICD-10 codes J09, J10, J11), especially CA (457), TX (418) --4,605
- 214. 1949 -- influenza (codes 480-483); pneumonia (codes 490-493) was 40,038 --4,602
- 215. 1870 -- smallpox, nationwide --4,597
- 216. 1871 -- smallpox, esp. Philadelphia/1,879, Cincinnati/1,179, NYC/805, Chicago/MI/NJ --4,505

¹⁸¹ Referred to as throat distemper, and other names at the time, descriptions point to what was later named diphtheria. Scarlet fever occurred as well, with deaths, but sources indicate the major epidemic was diphtheria.

217. 1971 -- tuberculosis, US death rate 2.18 per 100K, esp. DC/5.8 AL/4.1 TN/3.5 AZ/3 --4,501
 218. 1914 -- measles; US state and local “registration area” (66.8% of pop.), esp. DE/AL --4.461
 219. 1958 -- influenza, esp. TX/415, AL/275, OH/260, TN/230, GA/206, MS/199, PA/199--4,442
 220. 1972 -- tuberculosis, US death rate 2.09 per 100K, esp. DC/4.8 DE/4.2 AL/3.9 NM/3.9--4,376
 221. 1912 -- Mar 24-Jun 8, pneumonia, Chicago, IL, NYC, NY --4,342
 222. 1907 -- scarlet fever, Census States and localities --4,309
 223. 1907 -- measles, Census States and localities --4,302
 224. 1975 -- influenza, ICD-8 codes 470-474, death rate 1.986 pre 100K, esp. KS/6.317 --4,277
 225. 1912 -- measles, US “registration area” (~65% population), NYC (671) --4,240
 226. 1854 --Jun-Dec, yellow fever, esp. Jacksonville, Charleston, Galveston, NOLA, Savannah ~4,238
 227. 1978 -- influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7 --4,052
 228. 1920 -- scarlet fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE¹⁸² --4,004
 229. 1815-16, winter -- smallpox epidemic, Comanche Nation¹⁸³ -->4,000

DISEASES, especially communicable/infectious, especially epidemics -- **By Mortality** cont.

230. 1874 -- scarlet fever, esp. NYC/879, Cincinnati/687, Brooklyn/479, Philly/461, VT --3,996
 231. 1860 -- measles, especially NY, OH, MO and PA 3,809-3,900
 232. 1973 -- tuberculosis, US death rate 1.84 per 100K, esp. DC/5.0 TN/2.9 AL/2.8 WV/2.8 --3,875
 233. 1906 -- tuberculosis, Philadelphia, PA --3,742
 234. 1970 -- influenza, ICD-8 codes 470-474/death rate 1.82 per 100K, esp. VT/7.6, ME/5.6, MS/5.2 --3,707
 235. 2013 -- influenza, ICD-10 codes J09-11, esp. SD (3.6) MT (3.5) ME (3.2) death rates --3,697
 236. 1873 -- July-Dec, yellow fever, esp. Memphis, AL, Pensacola, Louisville, LA, TX --3542-3584
 237. 1984 -- HIV AIDS, New York City (952) --3,578
 238. 1931 -- measles, especially children, especially IL and PA --3,576
 239. 1920 -- dysentery, 33 registration states --3,574
 240. 1930 -- malaria, nationwide, esp. AL, AR, FL, GA, LA, MS, OK, SC, TN, TX --3,572
 241. 1974 -- tuberculosis, US death rate 1.65 per 100K, esp. DC/5.1, KY/2.8, TN/2.6 --3,513
242. 1841 -- yellow fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston --3,498
 243. 1909 -- tuberculosis, Philadelphia, PA --3,496
 244. 1908 -- tuberculosis, Philadelphia, PA --3,490
 245. 1962 -- influenza,¹⁸⁴ US death rate 1.8 per 100K; esp. NE/5, TN/5, MS/4.2, SC/4 --3,431
 246. 1847 -- yellow fever, esp. New Orleans, also Galveston, Mobile, Pensacola, Vicksburg¹⁸⁵ ≥3,400
 247. 1943 -- Jan-Dec, whooping cough, especially children, nationwide --3,368
 248. 1975 -- tuberculosis, US death rate 1.55 per 100K, esp. DC/3.8, KY/2.74, TN/2.72 --3,333
 249. 1851 -- esp. June-Aug, cholera, esp. St. Louis, IL, NOLA, Cincinnati, SD --3,314-3,322
 250. 1952 -- polio, esp. IL/258, TX/≥240, MI/218 CA/217 MN/200 OH, IA/163 KY/132 NE ~3,300
 251. 1904 -- cerebrospinal meningitis, esp. NYC/1,083-1,403, Hartford, CT/108 NJ/245 --3,284

¹⁸² Based on death certificate data from 34 “registration states” as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with an estimated population of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

¹⁸³ We note “greater than” 4,000 in that 4,000 is the estimated Comanche loss, whereas it has been written that the Kiowa, for example, lost to smallpox numbers in a ratio comparable to the Comanche.

¹⁸⁴ Distinct from the 56,564 pneumonia deaths noted in the next column in Table 1-12, p. 1-20..

¹⁸⁵ Was in at least 10 Louisiana locations other than New Orleans; also in six known locations other than Vicksburg in Mississippi; was in Memphis, TN, and Brazos, Houston and Matamoros, Texas. Mostly late summer and fall.

252. 1906 -- epidemic Cerebro-spinal meningitis, esp. NY/1,117 (NYC/600), PA/385 --3,258
 253. 1910 -- tuberculosis, Philadelphia, PA --3,190
 254. 1920 -- malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183¹⁸⁶ --3,136
 255. 1883 -- smallpox, esp. New Orleans/1079 Baltimore/633 Cincinnati/189 Chattanooga/103--3,136
 256. 1976 -- tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6 --3,130
 257. 1896 -- measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT-3,178
 258. 1939 -- whooping cough, nationally, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA --3,026
 259. 1819 -- yellow fever, esp. Charleston/Mobile/Natchez; most esp. New Orleans --2871-3019
 260. 1981 -- influenza, US death rate 1.31 per 100K, esp. SD/4.2, IA/3.5, UT/3.3, VT/3.3 --3,006
 261. 1804 -- epidemic, possibly cholera (or typhoid or plague) Natives, Oahu, Hawaii >3,000

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

262. 1850 -- measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
 263. 1977 -- tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2 --2,968
 264. 1940 -- whooping cough, nationwide, especially TX and KY --2,926
 265. 1978 -- tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914
 266. 2016 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --2,905
267. 1950 -- influenza; separate from influenza with pneumonia/3,492 and pneumonia/40,523 --2,857
 268. 1959 -- influenza,¹⁸⁷ esp. TX/191, TN/133, OH/126, NY/126 IN/119 MI/108 GA/104 CA--2,845
 269. 1931 -- “epidemic cerebrospinal meningitis,”¹⁸⁸ especially IL, NY and PA --2,832
 270. 1966 -- influenza (pneumonia deaths were 60,785), esp. CA/636, WA/154, OR/134 --2,830
 271. 1944 -- cerebrospinal meningitis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
272. 1875 -- smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,770
 273. 1839 -- Jun-Oct, yellow fever, SC, FL, GA, TX, esp. Mobile, Natchez, New Orleans ~2,764
 274. 1925 -- scarlet fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169 --2,762
 275. 2009 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,756
 276. 1955 -- influenza, esp. OH/187 AL/183 GA/181 TX/169 PA/154 TN/136 MS/106 --2,755
 277. 2011 -- diarrhoea & gastroenteritis of Infections origin (ICD-10 code A09), esp. NJ --2,743
 278. 1822 -- yellow fever, esp. late sum-fall, esp. NOLA/Marietta OH/NYC/Pensacola¹⁸⁹-1,519-2,741
 279. 2010 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,741
 280. 1949 -- July-Nov esp., polio, esp., NY/320, IL246, MI/210, TX/183 NJ/180 CA/236--2,720
 281. 1871 -- scarlet fever, esp. NYC/791, Baltimore/625, MI/696, MN/335, Philly/262 --2,709
 282. 1980 -- influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
283. 1954 -- influenza, esp. TX/228 AL/180 GA/162 PA/154 OH/143 TN/120 M0/104 --2,696
 284. 2013 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,669
 285. 1931 -- scarlet fever, especially children, especially IL --2,651

¹⁸⁶ Based on death certificate data from 34 “registration states” as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with an estimated population of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

¹⁸⁷ Distinct from the 52,195 pneumonia deaths (codes 490-493) noted in the Table 78, p. 406.

¹⁸⁸ “epidemic cerebrospinal meningitis,” is the name used for this malady in U.S. Census, *Mortality Statistics 1931*.

¹⁸⁹ Also includes 101 fatalities on the U.S. Frigate *Macedonian*, sailing in the Caribbean late Spring to mid-summer.

286. 2012 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,610
287. 1931 -- malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN --2,536
288. 1797 -- yellow fever, New Design, MO, NYC, Philly, Providence, RI --2,502
289. 1865 -- smallpox, esp. NYC/≤664, Philly/524, SC/GA/FL Sea Islands/~800¹⁹⁰--2,500-2,510
290. 1876 -- smallpox, 10 data-points, esp. Cincinnati/~930, SF CA/482, Philly/407, NYC/315~2,500
291. 1900 -- June-Dec, measles/Flu epidemics, Native Alaskans, esp. western AK--~2000-2,500

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

292. 1863 -- smallpox, esp. DC/700, Camp Chase OH, Fort Delaware DE, Baltimore/IL/PA-2.3K--2,490
293. 2015 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,456
294. 1910 -- summer-fall esp., polio, esp. IA/161 MA/122 MN/97 NY/170 PA/269--1459--2,449
295. 1864 -- yellow fever, esp. New Bern NC/1,359, Charleston, SC/700, Galveston, NOLA --2,414
296. 2014 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,405
297. 1925 -- measles, 40 Registration states, esp. PA/503, MA/349, NY/323, IL/217, NJ/124 --2,404
298. 1967 -- syphilis --2,381
299. 2016 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,361
300. 1850 -- smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140- 2,352
301. 1880 -- diphtheria, NY, esp. children, esp. NYC & Brooklyn; elsewhere NY --1,805-2,303
302. 1965 -- influenza,¹⁹¹ death rate 1.2 per 100K, esp. ME/5.0, KS/4.0, NE/3.6, VE/3.3 --2,295
303. 1941 -- measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133) --2,279
304. 1864 -- typhoid, Chicago/192, Philadelphia/648; typhus/typhoid, NYC/1,425 --2,265
305. 1873 -- smallpox, esp. Boston/668, Baltimore/631, Chicago/515, NYC/117, Charleston/106 --2,201
306. 1974 -- influenza, ICD-8 codes 470-474, death rate 1.30 per 100K, esp. KS/3.48 --2,201
307. 1893 -- Dec-Jan 1894, epidemic influenza, NY --2,200
308. 1867 -- June-Dec, cholera, esp. St. Louis, New Orleans, KS/OK, Chicago, US Army--2,145
309. 1931 -- polio, esp. July-Oct (Aug peak), esp. NY, NJ, MI, MA, IL, CT, PA --2,139-2,144
310. 1961 -- influenza,¹⁹² US death rate 1.2 per 100K; esp. AK/3.3, KS/ME/NE at 2.7 --2,137
311. 1925 -- malaria, esp. MS/426, FL/338, AL/306, LA/256, MO/189, SC/183, TN/155 --2,132
312. 1902 -- smallpox, esp. NJ/432, NYC/310, MA/283, Cleveland/233, Philly PA/231 --2,111
313. 1964-65 -- rubella (German measles), last major US rubella epidemic, esp. newborn--2,100
314. 1990 -- influenza, US death rate 0.84 per 100K; esp. NE//3.5; IA/3.1; ID/2.3; SD/2.3 --2,098
315. 1985 -- influenza, death rate 0.86 per 100K, esp. NE/4.1, MT/2.8, IA/2.6, KS/2.4, WY/2.2 --2,054
316. 1863 -- Sep-June 1865, diarrhea & dysentery, Confederate POWs, Point Lookout MD--2,050
317. 1865 -- typhus/typhoid NYC/1,075; typhoid/Chicago/190 and Philadelphia/773 --2,038
318. 1927 -- polio (acute), especially late summer and fall, especially children --2,013
319. 1979 -- tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
320. 1709-10 -- smallpox epidemic, Native Americans, lower CA ≥2,000

¹⁹⁰ This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.

¹⁹¹ Distinct from the 61,903 pneumonia deaths noted in the next USPHS 1965 Mortality Data column in Table 1-14.

¹⁹² Distinct from the 53,038 pneumonia deaths noted in the next column in Table 1-P, p. 1-32.

321. 1634-35 -- smallpox epidemic, Five Nations, especially Mohawks, Upper NY¹⁹³ ≥2,000

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

322. 1592-96--measles epidemic, Seneca natives, central and western NY--100s, possibly 1000s

323. 1616 -- unknown epidemic Disease, Natives, esp. neat coasts of MA, ME, RI --thousands

324. 1939 -- diphtheria, esp. Jan-Mar, Sep-Dec, nationwide, esp. GA, IL, NC, TX, VA --1,997

325. 1980 -- tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74 --1,978

326. 1989 -- tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34 --1,970

327. 1947 -- whooping cough, Int. List No. 9 --1,954

328. 1988 -- influenza, US death rate 0.79 per 100K; esp. ID/3.7, IA/2.5, MT/2.6, SD/3.3 --1,943

329. 1981 -- tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43 --1,937

330. 1837 -- Aug-Nov, yellow fever epidemics, Mobile AL; New Orleans LA; Natchez MS-1550-1,930

331. 1944 -- measles, especially Jan-June, nationwide, esp. CA, GA, OH, PA, TX --1,923

332. 1988 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48 --1,921

333. 1950 -- polio, esp. Jul-Nov (1,611 deaths), esp. CA, IL, MI, NY, OH, PA, TX --1,904

334. 1948 -- polio, esp. CA/365, MN/196, TX/190, NC/143, WI/92, SD/90 OH/87 IA/76--1,895

335. 1855 -- May-Aug, cholera, IL//KS/KY/MO/OH/WI, esp. New Orleans/883 --1,797-1,869

336. 1944 -- whooping cough, nationwide, especially NC, VA, TX, SC, KY, MS --1,878

337. 1946 -- July-Nov esp., polio, esp. MN/216, IL/185, TX/102, CA/99, MO/97, KS/91 --1,845

338. 1986 -- influenza, US death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84 --1,838

339. 1868 -- June-Dec, smallpox, esp. San Francisco/960, Cincinnati/649, Chicago/150 --≥1,825

340. 2005 -- influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) --1,812

341. 1990 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48 --1,810

342. 1982 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4 --1,807

343. 1800 -- yellow fever, esp. Baltimore, Charleston SC, Norfolk, Providence RI--1,509-1,806

344. 1764-65 -- smallpox, esp. Iroquois, Shawnee, Lenape, Creek, Choctaw, Chickasaw >1,800

345. 2003 -- influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) --1,792

346. 1986 -- tuberculosis, death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34 --1,782

347. 1983 -- tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2 --1,779

348. 2008 -- influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13) --1,772

349. 1870 -- typhus, nationwide, especially IL, IN, NY, and PA --1,770

350. 2000 -- influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) --1,765

351. 1939 -- malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX --1,761

352. 1987 -- tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755

353. 1894 -- smallpox, esp. Chicago/1033, WI/325, esp. Milwaukee/244; NY/147 --1,752

354. 1985 -- tuberculosis, US death rate 0.74 per 100K, esp. DC/3.46, GA/1.34, AL/1.23 --1,752

355. 1984 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729

356. 1945 -- cerebrospinal (meningococcus) meningitis (code 6 communicable disease) --1,728

357. 1998 -- influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) --1,724

358. 1911 -- typhoid fever, PA --1,716

359. 1991 -- tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32, NY/1.62; AR/1.17 --1,713

¹⁹³ We are assuming that if thousands died, then at least 2,000 must have died.

360. 1992 -- tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33 --1,705

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

361. 1834 -- ~Jul-Nov, cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
362. 1964 -- influenza,¹⁹⁴ US death rate 0.9 per 100K, esp. MT/4.0 WA/3.8 NE/3.6 ND/3.1 --1,687
363. 1862 -- yellow fever, esp. Wilmington NC/>653; TX coast/≥328; Key West --1,131-1,679
364. 1999 -- influenza, ICD-10 codes J09-11.8; US death rate 0.597 per 100K; esp. SD/4.913 --1,665
365. 1993 -- tuberculosis (US death rate 0.63 per 100K), esp. DC/2.51 and NY/1.16 --1,631
366. 1921 -- polio (acute), esp. late summer-fall, esp. children, esp. NY, IL, WA, MI --1,597
367. 1989 -- influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593
368. 2009 -- influenza (avian), ICD-10 code J09 (US death rate 0.5 per 100K) esp. MT (1.3) --1,557
369. 1951 -- polio, especially July-Nov, especially CA, IL, TX --1,551-1,555
370. 1847 -- typhoid and typhus, New York City (1,396), typhus, New Orleans (154) --1,550
371. 2011 -- influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K) --1,532
372. 1848 -- typhus and typhoid, New Orleans, LA/372, NYC/953, South Philly/205 --1,530
373. 1925 -- polio, esp. late Sum.-fall, esp. children, esp. NY/208, CA/149, MN/140 --1,519
374. 1971 -- influenza, ICD-8 codes 470-474/death rate 0.73 per 100K, esp. ME/2.9, NE & WA/1.9--1,504
375. 1689-90 -- smallpox, New England and NY, settlers and natives ≥820-1,500
376. 1983 -- HIV AIDS, New York City (425), U.S. --1,500
377. 1877 -- smallpox, 7 data pts., esp. New Orleans/1.1K; Philadelphia/155; Cincinnati/56 --1,496
378. 1914 -- diphtheria and croup, NYC, NY --1,489
379. 1843 -- July-Nov, yellow fever, esp. Mobile AL (240-750), New Orleans (487-700)--758-1481
380. 1994 -- tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86 --1,478
381. 1967 -- influenza --1,475
382. 1937 -- polio (acute), especially late summer and fall, especially children --1,461
383. 1903 -- smallpox, especially PA/747, IN/195, IL/135, OH/134, Rochester NY/24 --1,457
384. 1953 -- polio, especially CA, IL, MI, and NY --1,450
385. 1940 -- malaria, especially AL, AR, GA, MS, SC and TX --1,442
386. 1949 -- dysentery, infectious, all forms (codes 045-048) --1,440
387. 1983 -- influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
388. 1803 -- yellow fever epidemic, July 18-Oct, Charleston, SC, NY, VA, Philadelphia --1,403
389. 1864 -- July to June 1865, diarrhea and dysentery, Confederate POWs. Elmira, NY --1,394
390. 1954 -- polio, acute; esp. TX/138 & CA/119; 33 other states double digit deaths --1,389
391. 1928 -- polio (acute), especially late summer and fall, especially children --1,381
392. 1944 -- polio (acute), especially July-Nov (1,070 deaths), esp. NY, OH and PA --1,381
393. 1930 -- polio (acute), especially late summer and fall --1,370
394. 1799 -- yellow fever, esp. Charleston SC, NYC, Philadelphia, *Delaware & Greene* --1,356
395. 1851 -- typhus/typhoid, NYC/1,103, New Orleans/typhus/228, Chicago/typhoid/10 --1,341
396. 1995 -- tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89 --1,336
397. 1820 -- May-Dec, yellow fever, Savannah GA/New Orleans/NYC/Philadelphia --1,335
398. 1913 -- diphtheria, NYC, NY --1,333

¹⁹⁴ Distinct from the 51,764 pneumonia deaths noted in the next column in Table 1-14.

399. 1912 -- typhoid, Pennsylvania --1,310
 400. 1946 -- measles, International List infectious and parasitic diseases code 35 --1,310
 401. 1977 -- influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98--1,304
 402. 1943 -- measles, especially children --1,301
 403. 1863 -- diphtheria, Vermont -->1,300

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

404. 1862 -- Feb-Jun 1865 (41 mo.), pneumonia/pleurisy, Confederate POWs, Camp Douglas IL- 1,296
 405. 1876 -- yellow fever, Savannah (also Brunswick), GA; also New Orleans & Baltimore --1,293
 406. 1880 -- smallpox, esp. TX/517, Philadelphia/429, Camden NJ/47 Chicago/43, NY --1,281
 407. 1911 -- diphtheria and croup, NYC, NY --1,281
 408. 1915 -- diphtheria, NYC, NY --1,278
 409. 1860 -- smallpox, esp. MA/473, NY/ 303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271
 410. 1946 -- diphtheria, infectious diseases International List No. 10 --1,259
 411. 1946 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6) --1,257
 412. 1946 -- whooping cough, International List No. 9 --1,241
 413. 1817 -- June-Dec, yellow fever, esp. Charleston SC, Natchez MS, New Orleans--1,208-1,233
 414. 1994 -- influenza, US death rate 0.47 per 100K; esp. SD/2.6; MT/1.7; IA/ 1.5; NE/1.22--1,229
 415. 1996 -- tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92 --1,202
416. 1945 -- polio (acute), especially July-Nov (Sept. peak) --1,186
 417. 1917 -- polio, especially Jun-Sep, Census registration area (27 States, some cities) ≥1,182
 418. 1997 -- tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99 --1,166
 419. 1848 -- Dec, cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX --1,159
 420. 1943 -- polio (acute), especially late summer and fall, especially children --1,151
 421. 1829 -- yellow fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA/900 --1,146
 422. 1948 -- whooping cough --1,146
 423. 1991 -- influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54 --1,137
 424. 1905 -- May 21-Nov, yellow fever, esp. LA (esp. New Orleans/455), Pensacola, MS --1,131
 425. 1912 -- diphtheria, NYC, NY --1,125
 426. 1950 -- whooping cough, code 056 of 6th rev. of international lists, 1948 (US PHS) --1,118
 427. 2012 -- influenza, ICD-10 codes J09-11; US death rate 0.4; SD, 2.5 per 100K --1,106
 428. 1998 -- tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 --1,112
 429. 2004 -- influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827) --1,100
430. 1984 -- influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 --1,096
 431. 1925 -- meningococcal meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51 --1,095
 432. 1872 -- cerebral spinal meningitis, MA (esp. Boston), NYC, PA (esp. Philly) --1,090
 433. 1901 -- smallpox, esp. NY/436 (Bronx/312), PA/202 (Philly/178), NJ/139 (Newark/71) --1,085
 434. 1912 -- polio, acute anterior, code 63; Census “registration area” was 63.2% of pop. --1,081
 435. 1772 -- measles epidemics, Charleston, SC (800-900), Philadelphia, PA (180) --980-1,080
 436. 1924 -- polio (acute), especially late summer and fall, especially children --1,079
 437. 1948 -- dysentery, infectious and parasitic diseases ICD code 27 --1,078
 438. 1879 -- diphtheria, MN (955) and Hudson County, NJ (120)¹⁹⁵ --1,071

¹⁹⁵ There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.

439. 1911 -- polio, US registration area (63.1%), esp. OH/137, NY/101, PA/93, IN/69, KY/61 --1,060
 440. 1852 -- smallpox, Nevada City, CA natives, NYC (407-516), Philadelphia/427 --943-1,052
 441. 1993 -- influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37--1,044
 442. 1955 -- polio (acute); all States, esp. MA/168 (Boston ~200), WI/166, NY/77, TX/76 --1,043
 443. 1935 -- polio (acute), especially late summer-and fall, especially children --1,040
 444. 1870 -- May-Dec, yellow fever, esp. New Orleans/587 Mobile/173 Brunswick, GA --1,038
 445. 1899 -- typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia --1,026
 446. 1940 -- polio, nationwide, especially IL, IN, IA, KS, MI, OH and WV --1,026
 447. 1992 -- influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27 --1,006
 448. 1721 -- May-Apr 1722, smallpox, Mass. Bay Colony, esp. Boston & Charlestown--957-1004
 449. 1633-1634 -- smallpox epidemic, New England Natives, Plymouth Colonists, MA -->1,000
 450. 1662-63 -- smallpox, NY Iroquois Confederacy, Fort Orange, NY, Dutch settlers -->1,000
 451. 1677-78 -- smallpox epidemic, Massachusetts Bay Colony, esp. Boston & vic. --750-1,000
 452. 1833 -- Early Aug-early Nov, yellow fever epidemic, New Orleans, LA --1,000

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

453. 1731 -- smallpox epidemics, New York City (548-700) and Philadelphia (288) --836-988
 454. 1796 -- yellow fever, esp. Charleston, SC/300, New Orleans/250-400; Wilmington, NC/150--836-986
 455. 1961 -- hepatitis, infectious -- 976
 456. 1848 -- yellow fever, Mobile AL~76, New Orleans/850-872, NY Marine Hosp./12 --937-960
 457. 1951 -- whooping cough/pertussis, esp. TX/110, GA/86, MS/72, NC/52 VA/48 AL/45--960
 458. 1864 -- Feb-June 1865 (17 mo.), pneumonia/pleurisy, Confederate POWs, Camp Chase OH--954
 459. 1946 -- dysentery, infectious and parasitic diseases International List code 27 -- 952
 460. 1949 -- measles (code 085); PHS, *Vital Statistics...[US] 1949, Part II...Mortality* -- 949
 461. 1849 -- Aug-Dec, yellow fever, Charleston SC/125, Mobile AL/50, New Orleans/737 --912-944
 462. 1760 -- smallpox epidemic, Charleston SC (as well as undocumented Native deaths) --730-940
 463. 1952 -- dysentery, infectious, all forms (codes 045-048), esp. TX/249, MS/71, KY/61 GA/46--939
 464. 1960 -- hepatitis, infectious -- 938
 465. 1876 -- smallpox, Cincinnati, OH -- 934
 466. 1999 -- tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608 -- 930
 467. 1947 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6) -- 917
 468. 1949 -- meningococcal infections (code 057); *Vital Statistics...[US] 1949, Part II* -- 917
 469. 1851 -- smallpox, esp., NYC/562-586, Philly/316; Augusta GA/7, Chicago/5 --895-909
 470. 1875 -- croup and diphtheria, MI (374) and Hudson County, NJ (533) -- 907
 471. 1756 -- smallpox epidemic, Philadelphia -- 900
472. 1948 -- measles, 1948 ICD infectious and parasitic diseases code 35 -- 888
 473. 1953 -- dysentery, infectious, all forms (codes 045-048), esp. TX/268, MS/52, GA/41-- 886
 474. 1932 -- polio (acute), especially late summer and fall, especially children -- 885
 475. 1966 -- meningococcal infections, esp. CA/109, TX/59, OH/50, NY/40, NC/38 -- 876
 476. 1948 -- cerebrospinal (meningococcus) meningitis infections (code 6, ICD 1, 1948) -- 873
 477. 1947 -- dysentery, infectious and parasitic diseases Int. List code 27 -- 869
 478. 1913 -- polio, acute, esp. June-Sep (Sep peak), US "registration area" (65.1% pop.) -- 864
 479. 1850 -- Jan-Oct, yellow fever, esp. Jefferson/Orleans Parishes/New Orleans, LA and SC¹⁹⁶--862

¹⁹⁶ Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.

480.	1870 -- scarlet fever, primarily children, MI	-- 852
481.	1934 -- polio (acute), especially late summer and fall, especially children	-- 852
482.	1926 -- polio (acute), especially late summer and fall, especially children	-- 851
483.	1923 -- polio (acute), especially late summer and fall, especially children	-- 850
484.	1809 -- yellow fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA--	850
485.	2006 -- influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605)--	849
486.	1796 -- scarlet fever epidemic (especially children), Marblehead, MA and esp. VT	--681-846
487.	1967 -- hepatitis, infectious	-- 844
488.	1947 -- encephalitis, acute infectious, Int. List infectious diseases code 37	-- 830
489.	1837 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA	-- 823
490.	1929 -- polio (acute), especially late summer and fall, especially children	-- 812
491.	1805 -- yellow fever, esp. NYC/270-340, Philly/300-400, Providence, RI/10, SC/≤59	--750-809
492.	1941 -- polio (acute), especially late summer and fall, especially children	-- 807
493.	1795 -- July 19–Oct 12, yellow fever epidemic, NY City; Providence, RI (45)	--745~800
494.	1869 -- smallpox epidemic, Gros Ventre natives, Montana Territory	--700~800

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

495.	1947 -- diphtheria, infectious diseases Int. List No. 10	-- 799
496.	1933 -- polio (acute), especially late summer and fall, especially children	-- 797
497.	1922 -- polio (acute), especially late summer and fall, especially children	-- 790
498.	1879 -- June-Dec, yellow fever, Forest City, AR, Louisiana, MS, Memphis, TN	--682-786
499.	1864 -- cerebral spinal meningitis epidemic, Carbondale & Philadelphia PA	-- 784
500.	2002 -- tuberculosis, ICD-10 code A16-19, death rate .273 per 100K, esp. AR, .443	-- 784
501.	1936 -- polio (acute), especially late summer and fall, especially children	-- 780
502.	2000 -- tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559	-- 776
503.	1864 -- July-June 1865 (12 mo.), pneumonia/pleurisy, Confederate POWs, Elmira, NY	--773
504.	1939 -- polio (acute), especially late summer and fall, especially children	-- 773
505.	1920 -- polio (acute), especially late summer and fall (33 "registration states)	-- 769
506.	2001 -- tuberculosis, ICD-10 code A16-19, death rate 0.268 per 100K, esp. DC, 1.741	-- 764
507.	1861 -- smallpox outbreak, Philadelphia, PA	-- 758
508.	1854 -- smallpox, esp. Charleston SC/59, Chicago/12, Jacksonville FL/~15, NYC/624, Philly/40--	750
509.	1919 -- polio (acute). Especially late summer and fall, especially children	-- 747
510.	1824 -- smallpox, NYC, NY, Philadelphia, PA, Sandusky, OH	--740-745
511.	1852 -- yellow fever, Charleston, New Orleans, Savannah	-- 745
512.	1996 -- influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616)	-- 745
513.	1911 -- scarlet fever, NYC, NY	-- 741
514.	1911 -- Oct-June 8, 1912, meningitis epidemic, esp. TX , OK, MO	-- 740
515.	1949 -- whooping cough, Public Health Service. <i>Vital Statistics...[US] 1949, Part II</i> --	727
516.	1982 -- influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34	-- 727
517.	2002 -- influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. SD (2.237)	-- 727
518.	1914 -- polio (acute anterior), esp. late sum.-fall, esp. children, esp. NY/88, PA/65, VT/54--	720
519.	1997 -- influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99)	-- 720
520.	1864 -- smallpox, Fort Alton IL, Chicago/283, Philly/260, Northern VA/112, SC, DC--	712
521.	2003 -- tuberculosis, ICD-10 code A16-19, death rate 0.25 per 100K, esp. LA, 0.49	-- 711
522.	1925 -- smallpox, esp. MN/196, WI/134, CA/59, NJ/48, OH/47, IA/42, PA/29, IL/23--	709

523. 1965 -- hepatitis, infectious, US death rate 0.4 per 100,000 population -- 707
524. 1862 -- Feb-June 1865, diarrhea & dysentery, Confederate POWs, Camp Douglas, IL-- 698
525. 1881 -- typhoid fever, Birmingham AL, Washington DC, Minneapolis, NYC -- 692
526. 1848 -- smallpox, esp. New York City, NY/585 and Philadelphia, PA/100 -- 691
527. 1915 -- polio, esp. late summer-fall, US registration area (67-1% pop.) esp. children -- 691
528. 1951 -- measles, esp. TX/102, KY/43, OH/39, CA/37, IL/31, MO/30, PA/26, OK/25-- 688
529. 1911 -- measles, NYC, NY -- 659
530. 2004 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36 -- 657
531. 1809 -- disease/illness, May-Feb 1810, U.S. Army, MS -- 656
532. 1954 -- dysentery, infectious, all forms (codes 045-048), esp. TX/172 and MS/61 -- 655
533. 2006 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33 -- 652
534. 2005 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. LA, 0.39 -- 648
535. 1863 -- Aug-Jun 1865, diarrhea & dysentery, Confederate POWs, Fort Delaware, DE-- 644
536. 1946 -- encephalitis, acute infectious, International List infectious diseases code 37 -- 642
537. 1967 -- meningococcal infections -- 635
538. 1948 -- diphtheria, infectious diseases code 10 -- 634
539. 1987 -- influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632
540. 1915 -- measles, NYC, NY -- 630
541. 1952 -- measles, 24 states double digits, esp. PA/49, NY/48, AL&TN/40 IN&KY/30 IL/25-- 621
542. 1982 -- HIV AIDS, U.S. -- 618
543. 1912 -- scarlet fever, NYC, NY -- 615
544. 1823 -- July-Nov 1, yellow fever, Key West/>32, Natchez, MS/337, New Orleans/239-->613
545. 2021 -- influenza (distinct from 41,309 pneumonia deaths); death rate 0.18, esp. TN/0.60-- 608
546. 1995 -- influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32 -- 606
547. 1979 -- influenza, US death rate 0.27 per 100K, esp. ID/1.18, NE/1.15, KS/.98, WA/.85 --604
548. 2021 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/106, TX/58, FL/36, NY/36, VA/22--602
549. 1835 -- Apr-Aug, cholera, esp. Madison, IN; KY, esp. Russellville; New Orleans, TN --590-601
550. 1759 -- smallpox epidemic, Philadelphia, PA -- 600
551. 2020 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/119, TX/66, NY/36, FL/30 -- 600

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

552. 1853 -- cholera, New Orleans, LA (554-585); Choctaw on Arkansas Riv., OK/14--568-599
553. 1863 -- Nov 23-Mar 27 1865 (16 mo.), dysentery,¹⁹⁷ Union POWs, Prison Hosp., Danville VA-592
554. 1844 -- yellow fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA (148)--590
555. 2008 -- tuberculosis, ICD-10 code A16-19, death rate 0.19; esp. MS (above avg. rate) -- 585
556. 1873 -- scarlet fever, especially children, MI -- 580
557. 1947 -- polio -- 580
558. 1949 -- diphtheria, code 055 -- 574
559. 1702 -- summer to late fall, yellow fever epidemic, New York City, NY --500-570
560. 1948 -- encephalitis, acute infectious (viral), 1948 ICD infectious diseases code 37 -- 570
561. 1752 -- early in year through at least summer, Small-Pox epidemic, Boston, MA --535-569
562. 1909 -- polio (acute), especially MA (74), MN (30) and NE (135) ND (19) -- 569
563. 2010 -- tuberculosis, ICD-10 Code A16-19, esp. AL, CA, KY, TX (above avg. death rate)--569

¹⁹⁷ “diarrhoea and dysentery.”

564. 1956 -- polio/acute, 15 states in double-digits, esp. TX/76, IL/71 CA/62 NY/29 WI/26--566
565. 1872 -- scarlet fever, especially children, MI -- 565
566. 1802 -- yellow fever, Wilmington DE, MD, MA, Philadelphia, NH, SC -- 561
567. 1942 -- polio, especially late summer and fall, especially children -- 561
568. 1949 -- hepatitis, infectious (code 092); PHS. *Vital Statistics...1949...Mortality* -- 560
569. 2013 -- tuberculosis, ICD-10 Code A16-A19, especially CA (133) and TX (61) -- 555
570. 2007 -- tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate -- 554
571. 1950 -- hepatitis, infectious, code 092, 6th rev. of International Lists/1948, US PHS -- 552
572. 1958 -- measles, esp. TX/50, OH/36, IL/34, NY/NC/PA/28 each, KY, 23, IN/20 -- 552
573. 1888 -- July-Dec, yellow fever epidemic, FL esp. Jacksonville/430; Decatur AL/35 -- 546
574. 2018 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/100, TX/50, NY/39, FL/38 -- 542
575. 2011 -- tuberculosis, ICD-10 Code A16-A19, esp. CA (108), NY, SC (above avg. DR) -- 539
576. 1875 -- scarlet fever, Michigan and Hudson County, NJ -- 537
577. 1945 -- typhoid fever (471), Int. List No. 1; paratyphoid fever (63), Int. List No. 2 -- 534
578. 1699 -- yellow fever epidemics, Charleston, SC (170-311); Philadelphia (220) --390-531
579. 1956 -- measles, 21 states double digits, esp. IL/41 TX/31 OH/30 NC/29 PA/28, MI/26--530
580. 2009 -- tuberculosis, ICD-10 code A16-19, esp. CA, LA, OK, TX (above avg. death rate)-- 529
581. 2016 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/111, TX/55, FL/36, OK/14 -- 528
582. 2019 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/112, TX/54, NY/37, FL/35 -- 526
583. 1954 -- measles, 21 states double digits, esp. NY/36, TX/36, NC/35, PA/34, KY/27 -- 524
584. 1897 -- Sep-Dec, yellow fever, esp. Mobile/48, New Orleans/298, MS, Memphis TN--~520
585. 2017 -- tuberculosis, IDC-10 code A16-19, esp. CA/108 TX/49 NY/31 PA/22 NJ/21 -- 515
586. 2012 -- tuberculosis, ICD-10 Code A16-A19, especially CA (101) and TX (63) -- 510
587. 1920 -- smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28 ¹⁹⁸ -- 508
588. 1913 -- scarlet fever, NYC, NY -- 507
589. 1730 -- smallpox epidemic, Massachusetts Bay Colony, especially Boston -->502
590. 1690 -- spring-fall, smallpox, Iroquois Native Americans, esp. upper New York ~300-500
591. 1793 -- influenza epidemic, 5 counties, 4 weeks, VA -- 500
592. 1811 -- yellow fever epidemic, New Orleans, LA -->500
593. 2010 -- influenza, ICD-10 codes J09-J11; US death rate 0.2 per 100K; esp. AK, KS (.4)¹⁹⁹-- 500

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

594. 1804 -- tuberculosis, "Phthisis Pulmonalis," New York City (2,125 deaths all causes)-- 499
595. 1873 -- cerebral spinal meningitis, Boston & Lowell MA, Philadelphia, PA -- 499
596. 2014 -- tuberculosis, ICD-10 Code A16-A19, especially CA (101) -- 493
597. 1893 -- cerebrospinal meningitis epidemic, New York City, NY --469-489
598. 1938 -- polio (acute), especially late summer and fall, especially children -- 487
599. 1949 -- scarlet fever (39)/code 050 and streptococcal sore throat (447)/code 051 -- 486
600. 1953 -- measles, 23 states double digits, esp. TX/56 MO/27 CA/25 AR/24 PA/21 AK/20-- 483
601. 1775 -- dysentery, DE, MD, NJ (≥ 10), but primarily CT (≥ 146) and MA (≥ 326) -- ≥ 482
602. 1955 -- whooping cough/pertussis, 15 states in double digit, esp. TX/59, MS/34, NC/31-- 476

¹⁹⁸ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with an estimated population of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

¹⁹⁹ The ICD-10 Code for influenza and pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).

603.	2008-09 -- influenza deaths (out of 1,585,938 US deaths)	-- 473
604.	1947 -- measles, Int. List infectious and parasitic diseases code 35	-- 472
605.	2015-- tuberculosis, ICD-10 Codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22	-- 470
606.	1950 -- measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25)	-- 468
607.	1805 -- tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes)	-- 462
608.	1881 -- cerebrospinal meningitis epidemic, New York City, NY	-- 461
609.	1836 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA	-- 458
610.	1871 -- July 30-Dec 18, yellow fever, esp. MS/143, Charleston SC/213, New Orleans/55	-- 454
611.	1959 -- polio (acute, as opposed to late effects of), esp. NY/49, MO/34, IA/22	-- 454
612.	1835 -- smallpox, especially New York City (351), Philadelphia (101)	-- 452
613.	1914 -- scarlet fever, NYC, NY	-- 451
614.	1836-37 -- measles, New York City, NY	-- 443
615.	1609-10 -- winter, Starvation, Disease, Attack, Jamestown Colony, VA ²⁰⁰	>400-440
616.	1961 -- measles; US death rate 0.2 per 100K; AK/6.0, AR/0.7, KY/0.7, SC/06	-- 434
617.	1875 -- typhoid fever, 3 rd leading cause of death in MI for year	-- 433
618.	1825 -- yellow fever, esp. Mobile, Key West & Pensacola, NOLA, Natchez, Washington MS	--428
619.	1834 -- smallpox, New York City, NY (233) and Philadelphia, PA (195)	-- 428
620.	1910 -- smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67)	--403-427
621.	1794 -- June-Nov, yellow fever, Baltimore MD (200-360); New Haven, CT (64)	--264-424
622.	1944 -- scarlet fever, Int. List No. 8 (Communicable diseases)	-- 422
623.	1964 -- measles, esp. TX/68 CA/34 NY/30 MS/25 KY/21 TN/20 IL/17 SC/17 NC/15	-- 421
624.	1777 -- dysentery, CT, NJ, PA, VT, and especially MA (≥ 255) and NY (≥ 100)	-- >416
625.	1821 -- summer-fall, yellow fever, esp. Norfolk VA (~160); St Augustine, FL (172)	-- ≥ 414
626.	2007 -- influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33)	-- 411
627.	1950 -- diphtheria, code 055 of sixth revision of international lists of 1948 (US PHS)	-- 410
628.	1946 -- typhoid fever (349), Int. List No.1 and paratyphoid fever (58), Int. List No.2	-- 408
629.	1962 -- measles, death rate 0.2 per 100K, esp. AK/4.5, AZ/0.9, TX/0.6, LA/TN/0.5	-- 408
630.	1954 -- encephalitis, acute infectious (viral); esp. NY/52 PA/31 MI/27 TX/26 CA/24	-- 407
631.	1952 -- whooping cough/pertussis, 16 states double digits, esp. TX/57 MS/30 AL/SC/24	-- 406
632.	1832 -- yellow fever outbreak, New Orleans, LA	-- 400

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

633.	1874 -- Aug 17-Nov 9, yellow fever, Pensacola, Warrington, Woolsey, FL/381; also N.O.	-- 398
634.	1889-90 -- June-May, smallpox, especially NM/231, TX/88, NY/13, and CT/12	-- 398
635.	1957 -- measles, esp. CA/37, TX/32, MI/22, GA/20, AL/AZ/NM/15, MN & TN/14	-- 389
636.	1953 -- encephalitis, acute infectious (viral)	-- 386
637.	1959 -- measles, especially children, esp. PA/36 CA/31 TX/27 MO/19 IL/NJ/NY/16	-- 385
638.	1960 -- measles, especially children, esp. TX/52, NY/31, LA/21, IL/18, MI/17 OH/17	--380
639.	1838 -- yellow fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)	--376
640.	1954 -- whooping cough/pertussis, 17 states double digits, esp. SC/29, KY/TX/24, MS/23	-- 375
641.	1824 -- July-Nov, yellow fever, esp. Charleston SC (235); New Orleans LA (≥ 108)	--364-373
642.	1963 -- measles, esp. MI/27 TX/25 AZ/24 CA/22 WI/19 OH/18 PA/15 NY/14 AK/13	-- 364
643.	1585 -- June-June 1586, disease, natives visited by English from Roanoke Col., NC	-->360

²⁰⁰ Sources utilized do not breakout causes of death, but do give impression that starvation was substantial. In that we do not know how many deaths from the total were attributable to disease, we cross-list here and in starvation.

644. 1856 -- Aug-Sep, yellow fever, Charleston SC/212-266, New Orleans/74, NY/12 --304-358
 645. 1806 -- tuberculosis (Phthisis Pulmonalis), New York City (2,225 deaths all causes)-- 354
 646. 1857 -- June-Dec, yellow fever, Charleston SC, Jacksonville FL/127, New Orleans/199-- 353
 647. 1952 -- scarlet fever & streptococcal sore throat, esp. MO/28, NY/22, OH/20, GA/19-- 352
 648. 1865 -- Jan-June, cholera, New York City, NY -- 350

DISEASES, especially communicable/infectious, especially epidemics-- By Mortality, cont.

649. 1877 -- diphtheria, the year, Santa Cruz, CA; Hudson County, NJ -- 349
 650. 1914 -- polio, the year, especially summer-fall, especially children, nation -- 349
 651. 1864 -- Jan-June, cholera, New York City, NY -- 348
 652. 1951 -- scarlet fever (72) and streptococcal sore throat (275). US PHS Mortality Data-- 347
 653. 1950 -- scarlet fever (35) and streptococcal sore throat (311) US PHS Mortality Data-- 346
 654. 1955 -- measles, 7 states double digits, esp. TX/35, CA/30, NY/28, AZ/25, NM/23 -- 345
 655. 1998 -- infectious colitis, enteritis, gastroenteritis, ICD-9 code 009.0, death rate 0.124 per 100K-- 342
 656. 1946 -- malaria, infectious and parasitic diseases International List code 28 -- 341
 657. 1859 -- yellow fever, esp. Galveston/186, Houston/22, TX, New Orleans/91, LA -- 337
 658. 1828 -- yellow fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150-- 332
 659. 1876 -- diphtheria, Hudson County, NJ -- 327
 660. 1812 -- Feb-Apr, Spotted fever/meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT- 265-325
 661. 1947 -- typhoid fever (282), Int. List No.1 and paratyphoid fever (43), Int. List No.2-- 325
 662. 1773 -- smallpox epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA -- ~321
 663. 1911 -- Oct-May 1912, meningitis epidemic, TX & OK -- 319
 664. 1835 -- Aug-Sep, yellow fever, Charleston SC (25-26) New Orleans LA (284-289)-- 309-315
 665. 1863 -- June-June 1865 (25 mo.), dysentery/diarrhea, Confederate POWs, Camp Morton, IN-- 315
 666. 1702 -- summer (late) to early Spring 1703, smallpox epidemic, Boston, MA --302-313
 667. 1738 -- smallpox epidemic, Charleston, SC -- 311
 668. 1912 -- smallpox, 35 States and DC, especially TX (128); Pittsburgh (33) --301-307
 669. 1945 -- measles, especially children -- 307
 670. 1945 -- scarlet fever, Int. List No. 8 (Communicable diseases) -- 303
 671. 1951 -- diphtheria, esp. TX/31, AL/26, NC/19, KY/17, AR/16, LA/15, PA/15 CA/14-- 302
 672. 1667 -- smallpox epidemic, Native Americans, VA, especially eastern shore VA -->300
 673. 1697-98--smallpox, Charleston, SC (pop. ≥5,000); (plus hundreds Native Americans)²⁰¹--200-300
 674. 1759-60 -- smallpox epidemic, Catawba Nation, SC -- ~300

 675. 1538-39 -- unknown epidemic, “Cofitachequi”²⁰² natives, central SC --hundreds
 676. 1586 -- Passamaquoddy Natives “Devastated” by typhus epidemic, Maine --hundreds?
 677. 1760-61 -- winter-spring, influenza epidemic, esp. Natives, esp. CT, MA, ME, PA --hundreds
 678. 1793 -- dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic.--hundreds

 679. 1953 -- scarlet fever and streptococcal sore throat, esp. TX/23, MO/21, NY/20, PA/19--296
 680. 1878 -- scarlet fever, Hudson County, NJ (113); fall, Cincinnati, OH (181) -- 294

²⁰¹ We derive “hundreds” from accounts which note high mortality in Native populations in SC and NC, but do not note an estimated mortality range. Whatever the number, it would be in addition to the 200-300 for Charleston.

²⁰² Cofitachequi is the name the Spaniards of Hernando de Soto’s expedition gave to these natives. Some speculate they could have been Catawban. (Holleman, Joey. “The lost tribe of South Carolina.” *The State*, 7-5-2009.)

681. 1963 -- dysentery, all, esp. TX/65, CA/27, AZ/25, MS/15, GA/14, IL/13, NM/13 -- 294
682. 1915 -- scarlet fever, NYC, NY -- 291
683. 1751-52 -- “throat distemper” (diphtheria), esp. Abington/Hingham/Weymouth, MA--240-290
684. 1842 -- July-Oct, yellow fever epidemics, Mobile AL (66-77), New Orleans (211) --285-289
685. 1946 -- typhus fever/typhus-like diseases, Int. list infectious/parasitic diseases No. 39-- 289
686. 1964 -- dysentery, all forms, esp. TX/59, CA/25, MS/25, GA/17, NC/11, TN/10 -- 283
687. 1896 -- smallpox, esp. New Orleans/238, Shreveport LA/11, Detroit/11, Dayton (8) -- 279
688. 1965 -- measles, esp. TX (42), GA (16), LA (16), OH (13), PA (12), AL (11), CA/11-- 276
689. 1994 -- meningococcal meningitis, ICD-9 code 36.0; death rate 0.10 per 100K; esp. CO -- 276
690. 1754 -- typhoid fever, Philadelphia, PA -- 273
691. 1869 -- smallpox, Cincinnati, OH (231), Michigan (42) -- 273
692. 1863 -- Jan-June, cholera, New York City, NY -- 272
693. 1953 -- whooping cough/pertussis, 11 states double digits, esp. TX/19 KY/18 OH/17 -- 271
694. 1959 -- whooping cough (pertussis), especially children, esp. TX/48, SC/22, GA/18 -- 269
695. 1956 -- whooping cough/pertussis, 8 states double digit deaths esp. TX/44 MS/41 GA/36-- 266
696. 1741 -- yellow fever epidemic, Boston MA and especially Philadelphia PA -- 265
697. 1877 -- Aug-Nov, yellow fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL—263
698. 1954 -- scarlet fever/streptococcal sore throat, esp. TX/19, NY/18, PA/17, WI/15, IN/14-- 263
699. 1749 -- dysentery epidemics, CT, esp. Waterbury (130) Woodbury (57), CT --252-262
700. 1763 -- Aug-Feb 1774, yellow fever, natives, Nantucket Isl., & Martha’s Vineyard, MA²⁰³200-261
701. 1966 -- measles, esp. TX/36, IL/27, CA/19, SC/14, NY/12, AZ/MS/PA/TN/10 each -- 261
702. 1993 -- meningococcal meningitis, US death rate 0.10 per 100K; esp. CA & GA, 0.14 -- 260
703. 2001 -- influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20) -- 257
704. 1958 -- polio (acute), esp. MI/36, OH/20, TX/20, CA/13, MO/12, IL/NY/PA/WV/11 each--255
705. 1811 -- Oct-Apr 1812, smallpox, New York City (117); Baltimore, MD (135) -- 252
706. 1869 -- scarlet fever, especially children, MI -- 252

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

707. 1711-12 -- winter (within two months), “Malignant Distemper” (influenza?), CT -- 250
708. 1742 -- smallpox outbreak in New York, NY -- 250
709. 1956 -- scarlet fever/streptococcal sore throat, esp. TX/21, NY/14, OH/14, WV/12 -- 240
710. 1885 -- typhoid fever epidemic, Plymouth, PA (114) & Washington, DC (124) -- 238
711. 1955 -- scarlet fever/streptococcal sore throat, esp. NY/21, OH/12, MO/11, TX/11 -- 235
712. 1818 -- yellow fever epidemics, esp. Charleston SC (115); New Orleans, LA (115) -- 234
713. 1981 -- HIV AIDS (Human Immunodeficiency Virus Infection/Acquired Immune Deficiency Syndrome) -- 234
714. 1862 -- Feb-Jun 1865 (41 mo.), malarial fevers,²⁰⁴ Confederate POWs, Camp Douglas IL- 233
715. 1948 -- typhoid fever (code 040)/205, and paratyphoid fever (code 041)/28 -- 233
716. 1822 -- summer, “bilious [“intermittent”] fever” epidemic, Louisville, KY --140-232
717. 1877 -- diphtheria, Hudson County, NJ -- 231
718. 1960 -- polio (acute, as opposed to late effects), especially NY/26, CA/24, TX/14, PA--230
719. 1862 -- Sep-June 1865 (34 months), dysentery/diarrhea, Confederate POWs, Alton, IL--229
720. 1882 -- Jan 01-26, scarlet fever outbreak, NY, NJ -- 227
721. 1864 -- Feb-Jun 1865 (17 mo.), dysentery/diarrhea, Confederate POWs, Camp Chase, OH-- 226

²⁰³ The Nantucket Island Native American population was decimated, only a small percentage survived.

²⁰⁴ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

722. 1756 -- epidemics, esp. dysentery; Mass. Bay Col., esp. Rutland/60, Lancaster/42, MA-->225
723. 1952 -- diphtheria (7 states double digits); AL/21 TX/21 CA/17 GA/17 SC/13, KY/12 VA/11-225
724. 1947 -- typhus fever/typhus-like diseases, int. list infectious/parasitic diseases No. 39-- 224
725. 1957 -- polio, acute; double digit states: CA/22, IL/17, IN/11, MI/14, OH/13, TX/38-- 221
726. 1732 -- May-Oct, yellow fever outbreaks, Charleston SC (130-150), NYC (70) --200-220
727. 1898 -- smallpox epidemic, Moqui Indians, AZ -- 220
728. 1743 -- July 25-Oct, yellow fever epidemic, New York City, NY -- 217
729. 1947 -- malaria, infectious and parasitic diseases Int. list code 28 -- 214
730. 1877 -- scarlet fever, Hudson County, NJ -- 213
731. 1957 -- scarlet fever/streptococcal sore throat, esp. TX/15 MO/14, NY/13, OH & PA/12-- 213
732. 1866 -- Aug-Nov (esp.), yellow fever outbreaks, especially New Orleans, LA (185) -- 211
733. 1808 -- smallpox, Philadelphia, PA, New York City, NY -- 207
734. 1933 -- July 30-Sep, St Louis Encephalitis epidemic, St. Louis City & County, MO -- 201
735. 1791 -- yellow fever epidemic, New York City, NY -- 200
736. 1847 -- measles epidemic, fall, Cayuse Indians, Southwestern WA -->200
737. 1863 -- yellow fever outbreak, Pensacola, FL -- 200
738. 1892 -- typhus fever, NYC, NY -- 200
739. 1951 -- tuberculosis, CO -- 200

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

740. 1804 -- smallpox outbreak, New York City, NY --164-199
741. 1862 -- Jan-June, cholera, New York City, NY -- 199
742. 1804 -- yellow fever epidemics, NOLA, Brooklyn, NY & especially Charleston, SC-- 198
743. 1882 -- yellow fever, Aug-Nov, Pensacola, FL -- 198
744. 1946 -- scarlet fever, Int. List No. 8 -- 198
745. 1887 -- May-Dec, yellow fever, esp. Key West (64) and Tampa (75-100), FL --169-196
746. 1827 -- yellow fever, esp. Charleston, SC (64) & New Orleans (109) epidemics -- ≥195

747. 1893 -- typhoid, Washington, DC -- 186
748. 1876 -- scarlet fever, Hudson County, NJ -- 183
749. 1892 -- typhoid, Washington, DC -- 183
750. 1957 -- whooping cough/pertussis, esp. TX/25, SC/18, MS/14, KY & PA/13, NC/12-- 183
751. 1918 -- June-Nov, polio outbreak, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY -- ~180

752. 1816 -- smallpox, New York City, NY -- 179
753. 1878 -- diphtheria, Hudson County, NJ -- 177
754. 1948 -- typhus fever & typhus-like diseases, ICD infectious/parasitic diseases code 39--177
755. 1958 -- whooping cough/pertussis, especially children, esp. TX/24, CA/15 SC/15 KY/13--177
756. 1763 -- Dec-July 1764, smallpox epidemic, Boston (170) & Cambridge (6), MA col.-- 176
757. 1861 -- Jan-June, cholera, New York City²⁰⁵ -- 176
758. 1949 -- typhoid fever, code 040 (161), and paratyphoid fever, code 041 (15) -- 176
759. 1898 -- Aug 23-Nov 18, yellow fever, LA, especially New Orleans (57); MS (80) -- 175
760. 1830 -- July-fall, yellow fever, Charleston SC (39) & especially New Orleans (132) -- 172

²⁰⁵ We are not implying that cholera existed in NYC just in Jan-June months. The NYC Board of Health report drawn upon in 1867 *New York Times* article, only covers the same Jan-June six months for six years, 1861-1866.

761. 1966 -- dysentery, especially TX (31), GA (12), CA (11), MS (11), NM (10) -- 172
 762. 1889 -- typhoid fever, Washington, DC -- 170
 763. 1948 -- malaria, infectious and parasitic diseases ICD code 28 -- 170

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

764. 1807 -- yellow fever epidemic, especially Charleston, SC -- 169
 765. 1888 -- typhoid fever, Washington, DC -- 168
 766. 1858 -- diphtheria, April-fall, Albany, NY -- 167
 767. 1961 -- chickenpox (varicella) -- 167
 768. 1846 -- yellow fever epidemic, New Orleans, LA (146-160); also Mobile AL (4) --151-165
 769. 1797 -- Sum-fall, dysentery, esp. Nantucket Isl. (100), Westport, MA (30); Hanover NH (24)--163
 770. 1823 -- smallpox, epidemic, Philadelphia, PA -- 160
 771. 1895 -- smallpox outbreak, Feb 1-Jun 21 esp. Hot Springs AR, Chicago, Cincinnati -- 160
772. 1736 -- smallpox epidemic, Philadelphia, PA -- 158
 773. 1953 -- diphtheria, esp. GA/19 SC/16 TX/15 FL/12 AL/10 (only states in double digits)-- 158
 774. 1795 -- dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60- \geq 156
 775. 1801 -- yellow fever epidemic, Queensborough, NYC, NY -- 156
 776. 1920 -- mumps, 33 registration states -- 152
 777. 1847 -- smallpox, Modoc Native Americans, Southwestern Oregon -- >150
 778. 1955 -- diphtheria, especially AL/25, GA/18, TX/13, SC/11 (only double digit states)-- 150
779. 1864 -- Feb 24-Aug 3, malarial fevers,²⁰⁶ Union POWs, Ft. Sumter, Andersonville GA--149
 780. 2006 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/20, PA/14 (above avg. death rate)-- 149
 781. 1958 -- chickenpox (varicella) -- 146
 782. 1954 -- diphtheria, esp. GA/24, SC/16, AL/14, FL/10, (only states in double digits) -- 145
 783. 1767-70-- diphtheria epidemic (12% of population, mostly children), Oxford, MA --96-144
 784. 1834 -- yellow fever epidemic, New Orleans (\geq 95), LA; Charleston (49), SC -- 144
 785. 1872 -- measles epidemic, Philadelphia, PA -- 143
 786. 1965 -- chickenpox (varicella) -- 143
 787. 1747 -- "throat distemper (diphtheria), MA (\geq 89) and Kensington, NH (48-52) --137- \geq 141
 788. 1798 -- sum-fall, dysentery, esp. Norwich/Pomfret/Salem/Sandgate, Shays' Settlement, VT-- \geq 141
 789. 1879 -- smallpox, San Antonio, TX; also to lesser extent NYC, NY -- 141
 790. 1959 -- chickenpox -- 141
791. 1958 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10) -- 138
 792. 1973 -- chickenpox; esp. TX/21, CA/10, IL/10, PA/9, NY/8, IA/7, MA/7, MI/7, MT/5-- 138
 793. 1802 --~Aug-Nov 2, dysentery, esp. Greenfield & Shelburne MA/92, Bridport VT/16-- 137
 794. 1911 -- smallpox, 29 reporting States and DC, esp. TX/51, KS/26, and CA/10 -- 134
 795. 1962 -- chickenpox (varicella) -- 134
 796. 2008 -- diarrhoea and gastroenteritis of infections origin, esp. CA (17), NY (23) -- 134
 797. 1909 -- smallpox, 29 reporting States and the District of Columbia -- 132
 798. 1953 -- chickenpox (varicella); Code 087, International List 6th Revision, 1948 -- 132
 799. 1964 -- polio, acute/17, and late effects of acute poliomyelitis/115 -- 132

²⁰⁶ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

800. 2005 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate)-- 132
 801. 1728 -- late summer to fall, yellow fever, Charleston, SC -- <130
 802. 1959 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10) -- 130
 803. 1961 -- scarlet fever and streptococcal sore throat, especially CA, TN, TX (10 each)-- 130
 804. 1968 -- polio; ICD-8 codes 040-044; esp. CA/15, TX/12, NY/8, OH/8, MI/7, FL/6 -- 130

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

805. 1796 -- dysentery, VT, MA, esp. Sheffield/mill ponds area, MA & Worcester MA--≥113-129
 806. 1963 -- chickenpox (varicella) -- 129
 807. 2007 -- diarrhoea/gastroenteritis, infectious origin, esp. IL/10, NJ/10 (above avg. death rate)-- 127
 808. 1899 -- July-Dec, yellow fever, esp. Key West/68 Miami/14; New Orleans/23; MS, VA-- 126
 809. 1960 -- chickenpox (varicella) -- 126
 810. 1765 -- yellow fever epidemic, Pensacola, FL -- 125
 811. 1886 -- typhoid fever, Washington, DC -- 125
 812. 1907 -- summer-Autumn (Sept. peak), polio epidemic, NY, esp. greater NYC --100-125
 813. 1994 -- chickenpox, especially CA (17), MI (10), NY (10) and TX (48) -- 124
 814. 1867 -- smallpox, Jan-Dec,, Chicago, IL -- 123
 815. 1894 -- scarlet fever outbreak, Jan 20-Jun 16, Brooklyn & New York City, NY -- 123
 816. 1972 -- chickenpox; especially CA/12, NY/12, OH/12 TX/10 NJ/8 FL/6 MA/6 MI/6-- 122
 817. 1967 -- polio, acute and late effects of -- 121
 818. 1879 -- diphtheria, Hudson County, NJ -- 120
 819. 1882 -- typhoid fever, Washington, DC -- 120
 820. 1954 -- chickenpox (varicella); code 087, International List 6th Revision, 1948 -- 120
 821. 1990 -- chickenpox, US death rate 0.05 per 100K, esp. CA/26, NY/14, TX/10 -- 120
822. 1751 -- dysentery epidemic, Canaan (~10), Hartford (64) and New Haven (45), CT -- ~119
 823. 1949 -- malaria (codes 110-117) -- 118
 824. 1732 -- smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY --104-118
 825. 1960 -- whooping cough (pertussis), especially children, especially TX (22) -- 118
 826. 1967 -- chickenpox -- 118
 827. 1887 -- typhoid fever, Washington, DC -- 116
 828. 1956 -- chickenpox -- 116
 829. 1906 -- scarlet fever, Week of Dec 21, Chicago, IL -- 115
 830. 1963 -- whooping cough (pertussis), esp. children, especially TX/18, LA/9, GA/8 -- 115
 831. 1995 -- chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12) -- 115
 832. 1735 -- Aug-July, 1736 -- scarlet fever outbreak, Boston, MA --100-114
 833. 1950 -- typhoid fever (96) and paratyphoid fever (18) -- 114
 834. 1800 -- Sum., dysentery outbreak, esp. children, esp. Frankestown & Hanover NH --103-113
 835. 1900-04 -- bubonic plague 'epidemic,' May-Feb, San Francisco, CA -- 113
 836. 1957 -- chickenpox -- 113
 837. 1749-50 -- "throat distemper" (diphtheria), MA, esp. Tewksbury (≥38) --≥106-112
 838. 1778 -- late sum-fall, dysentery, esp. Dunstable, Lexington, Medford, Tewksbury, MA-- 111
 839. 2004 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/10, IL/10 (above avg. death rate)-- 111
 840. 1969 -- polio; ICD-8 codes 040-044; especially CA/17, OH/10, FL/8, TX/7, MO/WI-- 110

DISEASES, especially communicable/infectious, especially epidemics --By Mortality, cont.

841. 1713 -- Oct-1714, measles epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA)- >109
842. 1769 -- Aug-Sep, Flux (dysentery) and fever outbreak, esp. children, Boston, MA -- ~108
843. 1811 -- “spotted fever” (meningitis), NH (≥ 10) & VT, esp. Woodstock (60-70), VT --103-108
844. 1960 -- scarlet fever and streptococcal sore throat, especially TX (13) and KY (12) -- 108
845. 1971 -- polio; ICD-8 codes 040-044; especially CA/13, NY/11, TX/8, PA/7, NC/5 -- 108
846. 1990 -- measles resurgence (largest loss of life since 1971), esp. young children --79-108
847. 1947 -- scarlet fever, Int. List No. 8 -- 107
848. 1974 -- chickenpox; US death rate 0.050 per 100K, especially CA/10, MA/7, NY/7 -- 106
849. 1976 -- chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7 -- 106
850. 1956 -- diphtheria, especially TX (19), the only state with double digit death toll -- 103
851. 1979 -- chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5 -- 103
852. 1962 -- scarlet fever and streptococcal sore throat, especially TX (10) -- 102
853. 1963 -- scarlet fever and streptococcal sore throat, esp. TX (12) and IL (7) -- 102
854. 1875 -- whooping cough, MI -- 101
855. 1894 -- whooping cough outbreak, Feb 4-10, New York City, NY -- 101
856. 1952 -- chickenpox (varicella); International List 6th Revision, 1948, code 087 -- 101
857. 1647 -- influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- ≥ 100
858. 1758-59 -- measles epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA) -- >100
859. 1762 -- Aug-Nov,²⁰⁷ yellow fever, Philadelphia, PA -- ~100?
860. 1763 -- smallpox epidemic, Native Americans, CA -- >100
861. 1814-15 -- winter, “Putrid Sore Throat”? epidemic, eastern VA, esp. Northern Neck VA-- >100
862. 1853 -- typhoid outbreak, Native Americans, Nevada City vicinity, CA -- ~100
863. 1977 -- polio (acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K -- 100
864. 1992 -- chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07 -- 100
865. 1993 -- chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16) -- 100
866. 1895 -- diphtheria, Jan-Jun, esp. Boston, Brooklyn, New York -- 99
867. 1968 -- chickenpox; ICD-8 code 052; esp. NY/10, TX/9, CA/8, MI/OH/PA/6 each -- 99
868. 1997 -- chickenpox (varicella), ICD-9 code 052, especially CA (12) -- 99
869. 1875 -- yellow fever outbreak, Key West, FL & Pascagoula, MS -- 98
870. 1971 -- chickenpox; ICD-8 code 052; especially CA/16, TX/9, IL/6, NY/6 -- 98
871. 2003 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/17, NY/10 (above avg. death rate)- 98
872. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (diphtheria), Greenland & esp. Stratham, NH-- 97
873. 1792 -- yellow fever epidemic, Charleston, SC -- <96
874. 1907 -- May 27-Dec 31, bubonic plague epidemic, San Francisco, CA --77-96
875. 1999 -- diarrhoea and gastroenteritis of infectious origin; no State with 10 deaths -- 96
876. 1855 -- cholera, Sep 05, aboard steamship *Sierra Nevada*, leaving NY -- 95
877. 1964 -- scarlet fever & streptococcal sore throat, esp. MO/6 OH/6, FL/GA/KY/NY/PA/5 each--95
878. 1978 -- polio (acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K -- 95
879. 1984 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA and NY (8 each) -- 95
880. 1815 -- smallpox, New York City, NY -- 94
881. 1951 -- chickenpox (varicella); code 087, International List 6th Revision, 1948 -- 94

²⁰⁷ Redman has the outbreak from Aug-Oct. Rush has it from Aug-Dec. We compromise between the two in that the mosquitoes which are the vector are generally killed off, or go into hibernation, with the first good frost.

882. 1959 -- typhoid fever/22 & paratyphoid fever/72; PHS, *Vital Statistics-Mortality 1959*-- 94
 883. 1964 -- whooping cough (pertussis), especially children, especially SC/11 and TX/11-- 93
 884. 1970 -- chickenpox; ICD-8 code 052; especially CA/10, NY/9, TX/7, MI/6 -- 93
 885. 1973 -- polio; ICD-8 codes 040-044; esp. CA/8, NY/7, TX/6, MA/5, WV/5 -- 93
 886. 2002 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/12 (above avg. .034 death rate) -- 93
 887. 1883 -- typhoid fever, Washington, DC -- 92
 888. 1978 -- chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT -- 91
 889. 1961 -- polio, acute (as opposed to late effects), 33 States, esp. mid-Atlantic, esp. NY/15-- 90
 890. 1971 -- measles/rubeola; ICD-8 code 055; esp. MO/10, TX/8, PA/7, AL/5, KY/5, OH/5-- 90
 891. 1976 -- polio (acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6 -- 90

DISEASES, especially communicable/infectious, especially epidemics -- By Mortality, cont.

892. 1970 -- measles/rubeola; ICD-8 code 055; esp. TX/17, IL/9, OH/6, FL/5 -- 89
 893. 1974 -- polio; acute poliomyelitis/ICD-8 codes 040-044; especially CA (10), NY (9)-- 89
 894. 1977 -- chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each -- 89
 895. 1987 -- chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10) -- 89
 896. 1989 -- chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10) -- 89
 897. 1997 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12 -- 89
 898. 1955 -- chickenpox (varicella) -- 88
 899. 1985 -- meningococcal meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5 -- 88
 900. 1986 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA (13), NY (10) -- 88
 901. 1989 -- meningococcal meningitis, ICD-9 code 036.0, especially CA/20, NY/13 -- 88
 902. 1888 -- measles epidemic, Omaha Nation, Nebraska Territory -- 87
 903. 1908 -- summer-fall, polio outbreak, IA, MA, MI, MN (13), VA, esp. WI (61) -- 87
 904. 1950 -- chickenpox, code 087 in 6th revision of International Lists of 1948 (US PHS)-- 87
 905. 1988 -- meningococcal meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13-- 87
 906. 1727 -- sum. esp., typhoid fever-like epidemic Norwich (~40) & Woodbury (≥44), CT--≥84
 907. 1747 -- measles epidemic, Philadelphia, PA (cases noted also in CT, NH, NY, SC) -- 84
 908. 1808 -- yellow fever epidemic, Sep 5-Oct, St. Mary's, GA -- 84
 909. 1951 -- typhoid fever (code 040), *Vital Statistics-Mortality 1951*; esp. TX/12, PA/9 -- 84
 910. 1981 -- chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5 -- 84
 911. 1962 -- whooping cough (pertussis), especially children, esp. AK/7, MS/7, SC/7 -- 83
 912. 1975 -- chickenpox; US death rate 0.039 per 100K, esp. NY/8, CA/6, TX/6, CT/5 -- 83
 913. 1988 -- chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/0.18 (1) -- 83
 914. 1803 -- sum.-fall, dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50)-- ≥82
 915. 1995 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03 -- 82
 916. 1996 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03 -- 82
 917. 1957 -- diphtheria, especially TX (11), GA (8), AL (6), FL and NY (5) -- 81
 918. 1964 -- typhoid fever/14 and paratyphoid fever/67; PHS, *Vital Statistics, 1964* -- 81
 919. 1967 -- measles -- 81
 920. 1969 -- chickenpox; ICD-8 code 052; especially FL (7), CA, MO, NJ, NY (5 each) -- 81
 921. 1991 -- chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths) -- 81
 922. 1996 -- chickenpox (varicella), ICD-9 code 052 -- 81
 923. 1998 -- chickenpox (varicella), ICD-9 code 052, especially CA (10) -- 81
 924. 1745 -- malignant dysentery epidemics, Shrewsbury, MA, esp. Stamford (one st.), CT-- ≥80

DISEASES (By Mortality, continued):

925.	1952 -- typhoid fever, <i>Vital Statistics-Mortality 1952</i> (040); esp. MS/7, TX/7, SC/6	--	79
926.	1975 -- polio (acute poliomyelitis, ICD-8 codes 040-044), especially CA/9, NY/6	--	78
927.	1980 -- chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5	--	78
928.	2002 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	78
929.	2019 -- adenovirus infection, ICD-10 code B34.0, death rate 0.02 per 100K pop.	--	78
930.	1776 -- dysentery epidemics, NY (especially northern NY), MA and NJ	--	≥76
931.	1794 -- scarlet fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT	--	≥76
932.	1874 -- measles epidemic, Omaha Nation, Nebraska Territory	--	76
933.	1884 -- typhoid, Washington, DC	--	76
934.	1961 -- whooping cough (pertussis), especially children, especially AL (10)	--	76
935.	1972 -- polio; ICD-8 codes 040-044; esp. CA/18, FL/6 and NY/6	--	76
936.	1848 -- scarlet fever outbreak, Mobile, AL	--	75
937.	1950 -- malaria, codes 110, 112, and 116, sixth revision of international lists of 1948	--	75
938.	2001 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	75
939.	1883 -- Aug 05-Nov 6, yellow fever outbreaks, Brewton, AL, FL	--	74
940.	1958 -- diphtheria, especially GA (9), TX (8) and MS (6)	--	74
941.	2000 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11)	--	74
942.	1998 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13)	--	73
943.	1753 -- “throat distemper (diphtheria), Exeter, Stratham and Rye, NH	--	~72
944.	1959 -- diphtheria, especially AL (9), LA (7), TX (7), SC (6), FL (5)	--	72
945.	1990 -- meningococcal meningitis, ICD-9 code 036.0, especially CA, 13 deaths	--	72
946.	1795 -- “throat distemper” (diphtheria), Royalston (66) and Rutland (5) MA	--	71
947.	2000 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15)	--	71
948.	2003 -- streptococcal toxic shock syndrome, ICD-10 code A48.3	--	71
949.	2004 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	71
950.	1697-98 -- ~Nov 1697-~Feb 1698 (3 mo.), “mortal disease” (influenza?), Fairfield, CT	--	70
951.	1889 -- Jan-Feb, cerebro-spinal meningitis epidemic, Webster County, KY	--	50-70
952.	1960 -- diphtheria, especially TX (only State in double digits -- 20)	--	69
953.	1800 -- July-Oct smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA ²⁰⁸	--	68
954.	1948 -- scarlet fever, ICD code 8 (1948)	--	68
955.	1961 -- diphtheria, especially TX (only State in double digits -- 23)	--	68
956.	1985 -- chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10	--	68
957.	1999 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10)	--	67
958.	1607 -- July-Dec, disease and famine, Jamestown Colony, VA ²⁰⁹	--	66
959.	1706 -- Aug-Oct especially, yellow fever epidemic, Charleston, SC	--	~65
960.	1895 -- mid-Aug-Oct 3, cholera epidemic, Honolulu, HI	--	63-65
961.	1966 -- scarlet fever and streptococcal sore throat, especially TX (12), NY (10)	--	65
962.	2000 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	--	65
963.	1987 -- meningococcal meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13	--	64
964.	1965 -- scarlet fever and streptococcal sore throat, esp. TX/7, GA/NC/SC/ 4 each	--	63

²⁰⁸ Cross-listed in Tainted Food, Drugs and Medications.

²⁰⁹ Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.

965.	1746 -- dysentery (“fever & Flux”) epidemics, esp. Harvard/37, Westborough/25 MA	-- ≥62
966.	1805 -- smallpox, New York City, NY	-- 62
967.	1917 -- anthrax, esp. CA/6, CO/2, KS/2, MA/11, NJ/6, NY/12, PA/10, WI/2	-- 62
968.	1989 -- measles, CDC reports 17,850 cases in 47 States and DC	--45-62
969.	1807 -- smallpox, New York City, NY (29 out of 2,312 deaths), Philadelphia (32)	-- 61
970.	1893 -- yellow fever, Sep, Fort Bayou, AL, FL, Brunswick, GA	-- 61
971.	1899 -- Dec 11-Mar 31, 1900, bubonic (Black) plague (Asian ship), Honolulu, HI	-- 61
972.	1982 -- chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6	-- 61
973.	1992 -- meningococcal meningitis, US death rate 0.02 per 100K	-- 61
974.	2001 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	-- 61
975.	1742 -- Aug-summer 1743, dysentery outbreak, East Haven (population ~500), CT	--43-60
976.	1768 -- fall-winter (two months), smallpox, especially children, Reading, PA	-- >60
977.	1804 -- summer-fall (2 month period), dysentery (especially children), Orwell VT	-- 60
978.	1962 -- polio (acute), especially children	-- 60
979.	1975 -- St. Louis Encephalitis epidemic, IL (47), also MS (13)	-- 60

Diseases -- By Mortality -- continued:

980.	1810-11 -- “Canker Rash” (diphtheria or scarlet fever), ²¹⁰ children, Winchendon, MA--	59
981.	1991 -- meningococcal meningitis, US death rate 0.02 per 100K, CA 0.03/10 deaths--	59
982.	1976 -- Nov-Jan 77, Guillain-Barré syndrome outbreak, some blamed on swine flu vaccine--	58
983.	1964 -- June 27-Oct 3, St. Louis Encephalitis epidemic, Houston/33; elsewhere/24 ²¹¹ --	57
984.	1983 -- chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5	-- 57
985.	2006 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	-- 57
986.	2001 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	-- 56
987.	1917 -- pneumonia, Dec 21, NYC, NY	-- 56
988.	1952 -- mumps, US PHS <i>Vital Statistics of US 1952: Vol. II, Mortality</i> (code 089)	-- 55
989.	1999 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, no state ≥10 deaths	-- 55
990.	2005 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	-- 55
991.	1901 -- grip (influenza) epidemic, Jan 1-12, St. Louis, MO	-- 54
992.	1956 -- typhoid fever, US PHS, <i>Vital Statistics-Mortality 1956</i> , esp. TX/6, CA/5, KY/5--	54
993.	1953 -- typhoid fever, <i>Vital Statistics-Mortality 1953</i> ; esp. TX/8 and AR/7	-- 53
994.	1961 -- mumps	-- 53
995.	1984 -- chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5	-- 53
996.	2002 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	-- 53
997.	1754-55 -- Jan ‘54-July ’55, “throat distemper” (diphtheria), esp. children, Hampton, NH--	51
998.	1872 -- July 11-Nov 19, yellow fever, New Orleans, LA/~40; Galveston, TX/10	--50-51
999.	1666 -- smallpox, (Population of Colony about 4,000), Boston, MA	--40-50
1000.	1676 -- Aug-Sep, bloody flux (dysentery) Mass. Bay Colony, especially Boston ²¹²	-- 50
1001.	1805 -- Sep-Oct (esp.), dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA--	50
1002.	1849 -- scarlet fever outbreak, Mobile, AL	-- 50

²¹⁰ “Canker rash” was a term used to describe both what was later referred to as scarlet fever and diphtheria. There were similar and dissimilar symptoms. Thus without detailed descriptions at the time it is not clear which disease.

²¹¹ Some non-Houston deaths, such as some of five in Hale County, TX, area may have been Western Encephalitis. Two deaths in CO, 3 in IL, 2 deaths for IN, 1 in KY, 8 in NJ, 2 in PA, and 1 in TN.

²¹² Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.

1003. 1889 -- measles epidemic, Omaha Nation, Nebraska -- 50

Diseases – By Mortality – continued:

1004.1715 -- measles, New London, CT (9); “malignant disease,” Plymouth, MA (40) -- 49
1005.1966 -- whooping cough, especially West South Central (18), especially TX (9) -- 49
1006.2003 -- meningococcal meningitis, ICD-10 code A39.0, CA only state over 9 deaths-- 49
1007.2018 -- adenovirus infection, ICD-10 code B34.0, death rate 0.01 per 100,000 pop. -- 49
1008.1806 -- smallpox, New York City, NY (out of 2,225 deaths from all causes in NYC)-- 48
1009.1951 -- mumps (code 089) -- 48
1010.1963 -- mumps -- 48
1011.1999 -- chickenpox (varicella), ICD-10 code B01 -- 48
1012.2015 -- adenovirus infection, ICD-10 code B34.0, death rate 0.015 per 100,000 -- 48
1013.1821 -- Aug, smallpox, Baltimore, MD -- 47
1014.1950 -- typhus and other rickettsial diseases, codes 102-108, 6th rev. int. lists (PHS) -- 47
1015.1967 -- scarlet fever and streptococcal sore throat -- 47
1016.1986 -- chickenpox; US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5) -- 47
1017.1953 -- mumps (code 089) -- 46
1018.2016 -- adenovirus infection, ICD-10 code B34.0, death rate 0.014 per 100,000 -- 46
1019.1746 -- Aug-frost (probably Oct), yellow fever or typhoid epidemic, Albany, NY²¹³ -- 45
1020.1954 -- mumps (code 089, International List, 6th Revision, 1948) -- 45
1021.1954 -- typhoid fever, Public Health Service, *Vital Statistics-Mortality 1954*; esp. TX/6--45
1022.1963 -- diphtheria, especially GA (5) and TX (5) -- 45
1023.2000 -- chickenpox (varicella), ICD-10 code B01 -- 44
1024.1747 -- June 29- frost (probably Oct), yellow fever, Philadelphia, PA -- >43
1025.1753-54--Dec-Jan (2 mo.), unknown epidemic fever, Holliston (pop. ~80 families), MA-43
1026.1955 -- mumps -- 43
1027.1962 -- mumps -- 43
1028.1960 -- mumps -- 42
1029.1964 -- diphtheria, especially Texas (10) -- 42
1030.1962 -- diphtheria, especially Texas (9) -- 41
1031.1963 -- polio, acute; not including late effects of poliomyelitis, esp. children, esp. CA/5-- 41
1032.1969 -- measles/rubeola; ICD-8 code 055; esp. IL/TX/VA (4 each), AZ/CA/IA (3 each)-- 41
1033.1770-71 -- winter, influenza epidemic “took scores of lives,” Philadelphia, PA -- ≥40
1034.1852 -- Nov/Dec, unknown epidemic, Natives, Hock Farm, Sutter County, CA²¹⁴ -- 40
1035.1853 -- pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
1036.1950 -- mumps, code 089 in 6th rev. of International Lists (in UPS Mortality Data) -- 40

1037.1739 -- yellow fever, “severe” extensive, “raged...violently,” Charleston, SC²¹⁵ --dozens
1038. 1745 -- June-Nov, yellow fever, New York City and especially Charleston, SC²¹⁶ --dozens

²¹³ Sources consulted then and since (five), disagree as to yellow fever or typhoid. Cross-listing in both sub-sets.

²¹⁴ Our use of Nov/Dec in the dating is speculative. Source is Sacramento *Union* of Dec. 13 and 17, 1852, noting fatalities during one month at John Augustus Sutter’s Hock Farm.

²¹⁵ The closest we have seen to a fatality estimate is Duffy’s note that it “was not quite as bad as the previous one [yellow fever epidemic] in 1732.” In that year between 130 and 150 people are estimated to have died from yellow fever in Charleston. (Duffy, John. *epidemics in Colonial America*. Baton Rouge: LSU Press, 1953, 1979, p. 152.)

Diseases – By Mortality – continued:

1039.	1795 -- scarlet fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11--	≥39
1040.	1991 -- Jan-Dec, measles resurgence, especially CA (8); NY (15); and PA (9)	-- 38
1041.	2004 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)--	38
1042.	1770 -- “Chin” (whooping) cough epidemic esp. children, Salem (pop. ~5,000), MA--	37
1043.	1949 -- typhus and other rickettsial diseases (codes 100-103. 105-108)	-- 37
1044.	1924 -- Oct-Nov esp. Pneumonic and bubonic plague epidemic, Los Angeles, CA	--35-37
1045.	1958 -- mumps, U.S. Public Health Service, <i>Vital Statistics-Mortality 1958</i> , p. 94	-- 37
1046.	1967 -- mumps	-- 37
1047.	1967 -- whooping cough	-- 37
1048.	1732 -- Oct, influenza outbreak, New England, NY, Philadelphia, esp. Ipswich MA/17--	≥36
1049.	1857 -- Jan (beginning), “National Hotel Disease,” dysentery?, Washington, DC	-- >36
1050.	1968 -- whooping cough/pertussis; ICD-8 code 033; especially TX (8)	-- 36
1051.	1915 -- anthrax, CA/2, CO, CT/3, IN, LA, MA/4, MN/2, MT, NJ, NY/14, PA/4, UT--	35
1052.	1880 -- yellow fever outbreak, July 16, beginning, Jacksonville, FL	-- 34
1053.	1955 -- typhoid fever, US Public Health Service, <i>Vital Statistics-Mortality 1955</i>	-- 34
1054.	1957 -- typhoid fever, US PHS, <i>Vital Statistics-Mortality 1957</i> , esp. TX (6)	-- 34
1055.	1976 -- July-Aug, <i>Legionella pneumophila</i> (Legionnaires’ Disease), Philadelphia, PA--	29-34
1056.	1748 -- mid-Aug to mid- Oct, yellow fever outbreak, Charleston, SC	-- ≥33
1057.	1917 -- Oct 10-Mar 08, 1918, smallpox epidemic, Eagle Pass, Maverick Co., TX	-- 33
1058.	1953 -- malaria, one to three deaths in 16 States, 9 in Texas	-- 33
1059.	1967 -- diphtheria	-- 32
1060.	1977 -- <i>Legionella pneumophila</i> (Legionnaires’), sum-fall esp., CA/2 OH/1 TN/3 VT/17--	32
1061.	1993 -- Apr-Dec, hantavirus pulmonary syndrome, esp. Native Americans, NM/AZ--	32
1062.	2002 -- chickenpox (varicella), ICD-10 code B01	-- 32
1063.	2006 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)--	32
1064.	1952 -- rubella (German measles); US PHS <i>Vital Statistics 1952: Vol. II</i> code 086)	-- 31
1065.	1965 -- mumps	-- 31
1066.	2005 -- whooping cough (ICD-10 code A37.0), 28 under 1 year-old	-- 31
1067.	2008 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)--	31
1068.	2014 -- enterovirus infection, ICD-10 code B34.1, death rate 0.010	-- 31
1069.	1712-13 -- Oct 1712-Sep 1713, “malignant distemper,” Waterbury, CT	--21-30
1070.	1767 -- late summer, epidemic (dysentery?), New York City, NY ²¹⁷	-- ≥30
1071.	1799 -- summer-fall, dysentery, esp. children, Hanover and adjacent towns, NH	--20-30

²¹⁶ Cannot find number of reported deaths, but a Census of Charleston for the year 1848 compares the fatality of 145 to that of 1732, wherein 130-150 people died from yellow fever.

²¹⁷ Our number. Source notes “fifteen deaths were reported daily” during an epidemic (dysentery section of a paper).

1072. 1863 -- malaria (probably), Maidu Natives, Pence's Ranch, Butte County, CA²¹⁸ -- 30
 1073. 1953 -- typhus and other rickettsial diseases (codes 100-108), 14 States -- 30
 1074. 1968 -- diphtheria (ICD-8 code 032), esp. TX/11, LA/6, AL/AZ/FL/GA/2, CA/KY/MI/ NM/NY/1--30
 1075. 1970 -- diphtheria (ICD-8 code 032), esp./ TX/6, AZ/5, LA/4K, CA/3, GA/2, MT/2-- 30

Diseases – By Mortality – continued:

1076. 1804 -- scarlet fever (“Canker Rash”), Reading, Windsor County, VT (15), NYC (14)-- 29
 1077. 1952 -- typhus/other rickettsial diseases (codes 100-108), 17 States, esp. GA/6, SC/3-- 29
 1078. 1960 -- typhoid fever/21, paratyphoid fever/8; PHS, *Vital Statistics-Mortality 1960* -- 29
 1079. 1969 -- rubella (German measles), ICD-8 code 056, esp. CA/5, NY/4 -- 29
 1080. 2014 -- adenovirus infection, ICD-10 code B34.0, death rate 0.009 per 100,000 -- 29
1081. 1753 -- late summer-fall (~2 mo.), dysentery (“Camp Distemper”), esp. Norwich, CT-- 28
 1082. 1879 -- July-mid to early Aug, cholera-like epidemic, Center Point and Walker, IA --24-28
 1083. 1916 -- anthrax, CT, IL, KY/2, MA/5, MI/2, MO, NY/4, NC/2, PA/7, TX/2, WA -- 28
 1084. 1963 -- typhoid fever/21 & paratyphoid fever/7; PHS, *Vital Statistics-Mortality 1963*-- 28
 1085. 2009 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)-- 28
1086. 1739 -- June-July 19, smallpox, Newport and nearby vicinity, RI --23-27
 1087. 2005 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)-- 27
1088. 1814 -- summer-fall, epidemic fever (referred to as typhus), Wardsborough, VT --23-26
 1089. 1957 -- typhus and other rickettsial diseases -- 26
 1090. 2001 -- chickenpox (varicella), ICD-10 code B01 -- 26
 1091. 2009 -- Hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths) -- 26
 1092. 2010 -- whooping cough (ICD-10 code A37.0), 25 under 1 year-old -- 26
 1093. 2011 -- meningococcal meningitis, ICD 10 Code A39.0 (no state 10 or more deaths)-- 26
 1094. 2016 -- streptococcal toxic shock syndrome, ICD-10 code A48,3 (emerging disease)-- 26
1095. 1736 -- July-Nov, epidemic (scarlet fever or diphtheria?), esp. children, Marblehead MA--~25
 1096. 1793 -- scarlet fever, New England (esp. CT), New Jersey, New York, Philadelphia-- ≥25
 1097. 1840 -- yellow fever outbreak, Charleston, SC (22), New Orleans (3) -- 25
 1098. 1913 -- anthrax, CA, CT, DE/2, MA/3, MN, MO, NY/4, OH, PA/8, VA, WA, WI -- 25
 1099. 1938 -- encephalitis, MA (38 cases and 25 deaths) -- 25
 1100. 1946 -- smallpox, infectious and parasitic diseases International List No. 34 -- 25
 1101. 1952 -- malaria, one to three deaths in 15 States -- 25
 1102. 1968 -- mumps; ICD-8 code 072; especially CA (5) -- 25
 1103. 1969 -- diphtheria (ICD-8 code 032), esp. TX/8, LA/4, WA/3, AZ/CA/FL/SC/2, NY/OR/1-- 25
1104. 1954 -- malaria, one to three deaths each in 17 States -- 24
 1105. 1958 -- rubella (German measles) -- 24
 1106. 1961 -- typhoid fever (17) and paratyphoid fever (7) -- 24
 1107. 1968 -- measles, ICD-8 055; AL/AZ/CA/CO/IL/MO/NY/NC/OH/OK/OR/PA/RI/SC/TN/TX/WV-- 24

²¹⁸ Deaths in a three-week period (Aug 30, 1863 Marysville, CA *Appeal* report). Cook (1976, p. 275) estimates that “at least 100 must have perished” in an extended time-frame. “undoubtedly” from malaria.

- 1108. 1968 -- rubella (German measles), ICD-8 code 056, esp. CA (5) -- 24
- 1109. 1972 -- measles/rubeola; ICD-8 code 055; esp. MS/6 & TX/4; & CA/FL/GA/IL/KY/ME/TN-- 24
- 1110. 1976 -- measles/rubeola/12 and German measles/rubella/12; ICD8 codes 055 & 056-- 24
- 1111. 2007 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)-- 24
- 1112. 2010 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 24

Diseases – By Mortality (continued):

- 1113. 1958 -- typhoid fever/23, U.S. Public Health Service, *Vital Statistics-Mortality 1958*-- 23
- 1114. 1973 -- measles/rubeola; ICD-8 code 055; esp. CA/2, FL/2, IL/2, MI/2 -- 23
- 1115. 2011 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 23

- 1116. 1883 -- Sep-Oct, diphtheria, Orange County, NC -- 22
- 1117. 1910 -- anthrax, CA, CO, DE, IN, ME, MD, MA, NY, OH, and esp. PA (7) -- 22
- 1118. 1925 -- anthrax, CA/2, CT, DE/3, IL, IN, LA/2, MA, MS, MO, NJ, NY/2, OR, PA/4, WA-- 22
- 1119. 1962 -- typhoid fever/15 and paratyphoid fever/7; PHS, *Vital Statistics-Mortality 1962*--22
- 1120. 1969 -- mumps; ICD-8 code 072; especially NY (4) -- 22
- 1121. 2009 -- chickenpox (varicella), ICD-10 code B01 -- 22

- 1122. 1745 -- “throat distemper” (diphtheria), Hampton & especially Kensington/16, NH -- 21
- 1123. 1975 -- rubella/German measles; ICD-8 code 056; esp. IL/3, LA/3, CA/2, PA/2 -- 21
- 1124. 2009 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 21
- 1125. 2011 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000 -- 21
- 1126. 2012 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000 -- 21
- 1127. 2015 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 21
- 1128. 2020 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site, no state data) -- 21

- 1129. 1726 -- summer, unknown typhoid fever-like epidemic, Newent Parish, Norwich, CT--~20
- 1130. 1954 -- typhus and other rickettsial diseases, 15 States -- 20
- 1131. 1966 -- diphtheria, especially TX (6) -- 20
- 1132. 1971 -- rubella/German measles; AL CA GA HI IL IN IA LA MA NC OK PA TN TX--20
- 1133. 1974 -- measles/rubeola; ICD-8 code 055; esp. CA/2, NY/2, SD/2, TX/2 -- 20
- 1134. 1975 -- measles/rubeola; ICD-8 code 055; especially IL (4), CA (3), TX (3) -- 20
- 1135. 2008 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 20
- 1136. 2008 -- whooping cough (ICD-10 code A37.0), 18 under 1 year-old -- 20
- 1137. 2013 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 20
- 1138. 2018 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site) -- 20

- 1139. 1741 -- pre-Apr, “Long” or “Lung” fever,” Sutton, MA (19), New London, CT (?) -- ≥19
- 1140. 1914 -- anthrax, CA, CT, DE, LA, ME, NE, NJ (2), NY, OH (2), PA (6), VA, WI -- 19
- 1141. 1956 -- typhus and other rickettsial diseases, 12 States -- 19
- 1142. 2004 -- chickenpox (varicella), ICD-10 code B01 -- 19
- 1143. 2009 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 19

- 1144. 1893 -- smallpox outbreak, Feb-Dec, Reading, Berks County, PA -- 18

1145. 1894 -- poliomyelitis epidemic, VE, especially Rutland & Wallingford	--	18
1146. 1955 -- malaria, deaths in 11 States	--	18
1147. 1965 -- diphtheria, especially Alabama (5)	--	18
1148. 1971 -- whooping cough/pertussis; ICD-8 code 033; KY/4, LA/OK/TX/2, AL/GA/IA/MS/NY/OH/SC/1--		18
1149. 2002 -- whooping cough (ICD-10 code A37.0), all 18 under 1 year-old	--	18
1150. 2006 -- chickenpox (varicella), ICD-10 code B01	--	18
1151. 2007 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	18
1152. 2008 -- chickenpox (varicella), ICD-10 code B01	--	18
1153. 2019 -- chickenpox (varicella); ICD-10 code B01 (CDC Wonder site)	--	18

Diseases (by mortality):

1154. 1832 -- scarlet fever, Jun 16-22, Binghamton, NYC, Oneonta, Yonkers	--	17
1155. 1912 -- anthrax, DE, KY (3), MA (2), MN, MO, NJ, NY, OH (3), PA (4)	--	17
1156. 1953 -- rubella (German measles; code 086)	--	17
1157. 1977 -- German measles (rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1--		17
1158. 2001 -- whooping cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old)	--	17
1159. 2012 -- whooping cough (ICD-10 code A37.0), 15 under 1 year-old	--	17
1160. 1776 -- “Throat Ail” (diphtheria?), especially children, Athol, MA	--	16
1161. 1851 -- yellow fever outbreak, New Orleans, LA	--	16
1162. 1946 -- leprosy (Hansen’s disease), infectious and parasitic diseases Int. code 23	--	16
1163. 1947 -- leprosy (Hansen’s disease), infectious and parasitic diseases code 23	--	16
1164. 1963 -- rubella (German measles)	--	16
1165. 1965 -- polio, acute (does not include late effects of poliomyelitis), especially TX (4)--		16
1166. 1966 -- typhoid fever, AL/AZ/AR/GA/KY/MD/MS/NE/NY/OH/OK/SC/TN/TX	--15-	16
1167. 1967 -- rubella (German measles)	--	16
1168. 1970 -- mumps; ICD-8 code 072; MI/NY/NC/2 ea., AR/CA/IL/ME/ND/OH/TX/VA/WA/WI/1 ea.--		16
1169. 1972 -- mumps; ICD-8 code 072; TX/4, CA/2, IN/2, NY/2, PA/2, UT/2, WV/2	--	16
1170. 1973 -- rubella (German measles), ICD-8 code 056, esp. MI (4), CA (3), TX (2)	--	16
1171. 1998 -- adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000	--	16
1172. 2003 -- chickenpox (varicella), ICD-10 code B01	--	16
1173. 2004 -- whooping cough (ICD-10 code A37.0), 15 under 1 year-old	--	16
1174. 2005 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
1175. 2008 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
1176. 2012 -- chickenpox (varicella), ICD-10 code B01, especially ≥85 (7)	--	16
1177. 2013 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	16
1178. 2015 -- July-mid Aug, Legionella pneumophila/Legionnaires’, South Bronx NYC	--	16
1179. 2017 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site)	--	16
1180. 1764 -- “throat distemper” (diphtheria), especially children, Westminster, MA	--	15
1181. 1955 -- typhus & other rickettsial diseases, AL CO GA IN LA MD NJ NC SC TX VA--		15
1182. 1971 -- mumps; ICD-8 code 072; AL, CA, ID, IL, IN KS MS NE NJ NY OR TN TX--		15
1183. 1974 -- rubella (German measles), ICD-8 code 056, esp. AL (3), AZ (2), MA (2)	--	15
1184. 1977 -- measles (Rubeola), CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1--		15
1185. 2006 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15

1186. 2007 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
1187. 2009 -- whooping cough (ICD-10 code A37.0), all under 1 year-old	--	15
1188. 2010 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
1189. 2010 -- chickenpox (varicella), ICD-10 code B01	--	15

Diseases – By Mortality – (continued):

1190. 1756 -- summer, diphtheria epidemic, children, Saco, ME	--	14
1191. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI ²¹⁹ --	14	
1192. 1911 -- anthrax, CA (2), CT (2), DE, IN, LA (2), MA, NY, OH, PA (2), VT	--	14
1193. 1957 -- malaria	--	14
1194. 1961 -- rubella (German measles)	--	14
1195. 1965 -- July 27-Aug, “Legionnaires’ Disease” St. Elizabeth’s Hospital, DC	--	14
1196. 1972 -- rubella (German measles), ICD-8 code 056, CA IN LA MA NE NY OH 2 each--	14	
1197. 1974 -- whooping cough (pertussis; ICD-8 code 033.0); esp. CA/2, KY/2, MI/2, NY/3--	14	
1198. 2007 -- chickenpox (varicella), ICD-10 code B01	--	14
1199. 2010 -- meningococcal meningitis, ICD 10 Code A39.0	--	14
1200. 2011 -- chickenpox (varicella), ICD-10 code B01	--	14
1201. 2014 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	14
1202. 2015 -- chickenpox (varicella), ICD-10 code B01., especially children	--	14
1203. 2021 -- chickenpox (varicella), ICD-10 code B01.0 (CDC WONDER, no state data)	--	14
1204. 1969 -- whooping cough/pertussis; ICD-8 code 033; TX/4, AZ/CA/CO/IL/KY/MS/TN/VA/WI/1--	13	
1205. 1971 -- diphtheria (ICD-8 code 032), AK/CA/LA/TX 2 each, FL/GA/KS/MN/PA 1 ea.--	13	
1206. 1985 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000	--	13
1207. 1994 -- shigellosis (infectious diarrhea / bacillary dysentery) ICD-9 code 004.0	--	13
1208. 2005 -- chickenpox (varicella), ICD-10 code B01	--	13
1209. 2012 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)--	13	
1210. 1737-38 -- Dec-Jan 1738, smallpox, esp. Chilmark & Edgartown, Martha’s Vineyard, MA--	12	
1211. 1854 -- late March through early April (esp.) scarlet fever outbreak, Jacksonville, FL--	≤12	
1212. 1960 -- rubella (German measles)	--	12
1213. 1967 -- typhoid fever	--	12
1214. 1968 -- typhoid/paratyphoid fever; ICD-8 code 001-002; CA/DC/GA/IL/MD/NJ/NM/NC/OK/TX/WV--	12	
1215. 1970 -- whooping cough/pertussis; ICD-8 code 033; CA/3, IL/IN/KY/MS/NC/OR/PA/SC/TX--	12	
1216. 1973 -- mumps; ICD-8 code 072; CA/2, 1 each FL ID MN OK OR PA RI TN WA WV--	12	
1217. 1989 -- whooping cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old)	--	12
1218. 1990 -- whooping cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old)	--	12
1219. 1993 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000	--	12
1220. 2000 -- whooping cough (ICD-10 code A37.0), (all under 1 year-old)	--	12
1221. 2001 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
1222. 2002 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
1223. 2002 -- malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths	--	12
1224. 2013 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	12
1225. 2014 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	12

²¹⁹ We place this in the “influenza” sub-type below in that both sources used thought this was probably influenza.

1226. 2014 -- June-Oct 2015, Legionella pneumophila/Legionaries' Disease, Flint, MI -- 12
 1227. 2015 -- meningococcal meningitis, ICD 10 code A39.0 (no state with ≥ 10 deaths) -- 12

Diseases – By Mortality – (continued):

1228. 1956 -- malaria -- 11
 1229. 1969 -- malaria, ICD-8 codes 084.0-084.9; CA/PA/WI (2 each), CT/FL/MI/TN/TX/1 ea.-- 11
 1230. 1978 -- measles (Rubeola), ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OH/TX/VA-- 11
 1231. 1980 -- measles, ICD-9 code 055; CA/2, NJ/2, NY/2, KS/MN/OK/PA/TN (1 each) -- 11
 1232. 1980 -- whooping cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NY/PA/VA-- 11
 1233. 1989 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000 -- 11
 1234. 1992 -- measles, especially young children -- 3-11
 1235. 1995 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
 1236. 1997 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
 1237. 1999 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
 1238. 2000 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
 1239. 2003 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old -- 11
 1240. 2012 -- meningococcal meningitis, ICD 10 Code A39.0 -- 11
 1241. 2016 -- whooping cough (ICD-10 code A37.0) -- 11
 1242. 2018 -- Oct esp., adenovirus 7, children, Wanaque Nursing & Rehabilitation Center, Haskell, NJ--11

 1243. 1693 -- June 17 start, yellow fever, Boston, British fleet arrival from Martinique²²⁰ -- ≤ 10
 1244. 1711-12 -- winter, disease (smallpox/pestilential fever/pleurisies/flux), Charleston SC-- ≥ 10
 1245. 1715 -- smallpox, NY and NJ colonies, esp. Burlington and Perth Amboy, NJ -- ≥ 10
 1246. 1755 -- early fall, diphtheria, New Casco, ME -- 10
 1247. 1759 -- measles (“many...in a short space of time; not a house exempt...”), Fairfield NJ-- > 10
 1248. 1763 -- winter, throat distemper epidemic (diphtheria), Philadelphia, PA -- > 10
 1249. 1769 -- throat distemper (diphtheria), especially children, New York City, NY -- > 10
 1250. 1771 -- May-July, scarlet fever (especially children), Duxbury, MA -- ≥ 10
 1251. 1801 -- Oct (1st week), dysentery (3-4 children a day), Salem, MA -- ≥ 10
 1252. 1972 -- diphtheria (ICD-8 code 032), AK/2, NE/2, NY/2, WA/4 -- 10
 1253. 1973 -- diphtheria (ICD-8 code 032), CA/2, FL/1, MA/1, NM/2, OR/3, WA/1 -- 10
 1254. 1977 -- whooping cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each -- 10
 1255. 1978 -- German measles (rubella), ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI -- 10
 1256. 2010 -- malaria, ICD-10 codes B50-B54, no State had at least 10 deaths -- 10
 1257. 2013 -- malaria, ICD-10 codes B50-B54 -- 10
 1258. 2014 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths) -- 10
 1259. 2016 -- hantavirus (cardio)-pulmonary syndrome (HPS), ICD 10 Code B33.4 -- 10
 1260. 2019 -- whooping cough, ICD-10 code A36 (CDC Wonder site) -- 10

 1261. 1648-49 -- smallpox epidemic, Mass. Bay Col., esp. Scituate, Roxbury, Cape Cod²²¹-major

²²⁰ Approximately 3,100 British sailors and soldiers died from yellow fever on way to Boston and while stationed there in June and July. It was only reported that “several” colonists succumbed in Boston.

²²¹ Have not found a source speculating on death-toll. One source notes this was a “major outbreak” over a fairly wide area of the colony (including Roxbury Scituate and Cape Cod, with Boston to a lesser extent), and another

1262. 1668 -- late summer to early fall, yellow fever epidemic, New York City, NY²²² --many
 1263. 1789-90 -- fall-spring, influenza epidemic; CT/ME/MA/NH/NY/Philadelphia/RI²²³ --many

Diseases -- Fewer than ten deaths:

2001 -- malaria, ICD-10 codes B50-B54, death rate 0.003 per 100,000	--	9
2004 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	9
2013 -- meningococcal meningitis, ICD 10 Code A39.0	--	9
2017 -- whooping cough (Pertussis), ICD-10 code 137.0-A37.9	--	9
2018 -- whooping cough (Pertussis), ICD-10 code A37.0-A37.9; CDC Wonder site	--	9
1955 -- rubella (German measles)	--	8
1975 -- mumps; ICD-8 code 072; CA, LA, NC, OH, TX, VA, WI and WY 1 each	--	8
1975 -- whooping cough (pertussis; ICD-8 code 033.0); MO FL GA IL IN MI TX, 1 each	--	8
2003 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	8
1973 -- malaria, ICD-10 Code 084, FA/1, IL/2, IN/1, MI/1, NJ/1, ND/1	--	7
1976 -- whooping cough, NY (2), FL, MS, OH, OK, WI, one each	--	7
1979 -- measles, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each)	--	7
1966 -- leprosy (Hansen's disease)	--	6
1971 -- malaria; ICD-8 code 084; AL, AR, CA, OH, OK, SC (1 each)	--	6
1972 -- whooping cough (pertussis; ICD-8 code 033); NJ/2, SC/2, WA/2	--	6
1974 -- mumps; ICD-8 code 072; AL, LA, MA, MO, OR, WA 1 each	--	6
1980 -- polio, DE (1), NY (2), OH (2), PA (1)	--	6
1981 -- measles, US death rate 0.003 per 100K; CA/FL/IN/MA/WA (1 each), OH/2	--	6
1981 -- whooping cough/Pertussis, one death each: CO, GA, KY, ND, WA, WI	--	6
1982 -- measles, US death rate 0.003 per 100K; AZ, KY, MI, MS, NH, NY	--	6
1996 -- adenovirus infection, ICD-10 code B34.0, death rate 0.002 per 100,000	--	6
1979 -- typhoid & Paratyphoid fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX	--	5
1975 -- diphtheria; ICD-8 code 032, AK (1), AZ (1), VA (1), CO (1), IL (1)	--	5
1980 -- plague (all forms/5, bubonic/2), New Mexico (3), CA (1), NV (1)	--	5
1974 -- diphtheria; ICD-8 code 032; CA (1), CO (1), TX (2), WA (1)	--	5
1971 -- scarlet fever; ICD-8 code 34.1; IN/1, IA/1, NC/1, TX/1	--	4
1974 -- malaria; ICD-8 code 084.0-085.5, 084.8 and 084.9; IN, MN, NY, PA 1 each	--	4
1985 -- measles, AZ (1); IL (1); ME (1); MA (1)	--	4

source stating that it was a "very virulent" outbreak, noting Scituate, Cape Cod, Boston and Roxbury. Whatever the actual death toll, it surely was more than ten, thus warranting inclusion herein.

²²² Have not seen death-toll estimate. In proclaiming Day of Humiliation, NY Governor Lovelace wrote that "many" were "daily swept away & many more lying on their languishing beds, expecting each hour their dissolution."

²²³ Sources consulted do not provide an estimate. Kohn ("New England influenza epidemic of 1789," *Encyclopedia of plague and Pestilence*), writes it was widespread in states we note, affected thousands/fall of 1789, lasted about 4-6 weeks in each place in the first (1789) wave, was "particularly harsh on the elderly and chronically ill," and that there were especially "many" deaths from the derivative pneumonia. Notes the "case-mortality is believed to have been less than 50 percent during the epidemic." If there were thousands of cases, there would be many deaths.

1988 -- measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1	--	3
1949 -- Mar 12, smallpox, Elsa, TX	--	1
1953 -- smallpox, Texas	--	1

DISEASES, especially communicable/infectious, especially epidemics -- Chronological

1. 1492-1800 – North American Native American population decline, esp. disease --~2,800,000
2. 1538-39 -- unknown epidemic, “Cofitachequi”²²⁴ Natives, central SC --hundreds
3. 1585, June-June 1586 -- Disease, Natives visited by English from Roanoke Colony, NC \geq 360
4. 1586 -- Passamaquoddy Natives “Devastated” by typhus epidemic, Maine --hundreds?
5. 1592-96--measles epidemic, Seneca natives, central and western NY --100s, possibly 1000s

6. 1607 -- July-Dec, Disease and Famine/Starvation, Jamestown Colony, VA²²⁵ -- 66
7. 1616 -- unknown epidemic Disease, Natives, especially ~coasts of MA, ME, RI --thousands
8. 1633-34 -- smallpox epidemic, New England Natives, Plymouth Colonists, MA -->1,000
9. 1634-35 -- smallpox epidemic, Five Nations, especially Mohawks, Upper NY²²⁶ \geq 2,000
10. 1647 -- influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- \geq 100
11. 1648-49 -- smallpox epidemic, Mass. Bay Col., esp. Scituate, Roxbury, Cape Cod²²⁷ --major
12. 1659 -- measles epidemic, Native Americans, FL --10,000
13. 1662-63 -- smallpox, NY Iroquois Confederacy, Fort Orange, NY, Dutch settlers -->1,000
14. 1666 -- smallpox, (Population of colony about 4,000), Boston, MA --40-50
15. 1667 -- smallpox epidemic, Native Americans, VA, especially eastern shore VA -- \geq 300
16. 1668 -- late summer to early fall, yellow fever epidemic, New York City, NY²²⁸ --many
17. 1676 -- Aug-Sep, Bloody Flux (dysentery) Mass. Bay Colony, especially Boston²²⁹ -- 50
18. 1677-78 -- smallpox epidemic, Massachusetts Bay Colony, esp. Boston & vic. --750-1,000
19. 1689-90 -- smallpox, New England and NY, settlers and natives -- \geq 820-1,500
20. 1690 -- Spring-fall, smallpox, Iroquois Native Americans, esp. upper New York --~300-500
21. 1693 -- June 17 start, yellow fever, Boston, British fleet arrival from Martinique²³⁰ -- \leq 10?
22. 1697-98 -- ~Nov 1697--~Feb 1698 (3 mo.), “mortal disease” (influenza?), Fairfield, CT-- 70
23. 1697-98--smallpox, Charleston, SC (pop. \geq 5,000); (plus hundreds Native Americans)²³¹--200-300
24. 1699 -- yellow fever epidemics, Charleston, SC (170-311); Philadelphia (220) --390-531

25. 1702 -- summer (late) to early Spring 1703, smallpox epidemic, Boston, MA --302-313
26. 1702 -- summer to late fall, yellow fever epidemic, New York City, NY --500-570
27. 1706 -- Aug-Oct especially, yellow fever epidemic, Charleston, SC -- ~65
28. 1709-10 -- smallpox epidemic, Native Americans, lower CA -- \geq 2,000

²²⁴ Cofitachequi is the name the Spaniards of Hernando de Soto’s expedition gave to these natives. Some speculate they could have been Catawban. (Holleman, Joey. “The lost tribe of South Carolina.” *The State*, 7-5-2009.)

²²⁵ Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.

²²⁶ We assume that if, as reported, thousands died, then at least 2,000 must have died.

²²⁷ Have not found a source speculating on death-toll. One source notes this was a “major outbreak” over a fairly wide area of the colony (including Roxbury Scituate and Cape Cod, with Boston to a lesser extent), and another source stating that it was a “very virulent” outbreak, noting Scituate, Cape Cod, Boston and Roxbury. Whatever the actual death toll, it surely was more than ten, thus warranting inclusion herein.

²²⁸ Have not seen death-toll estimate. In proclaiming Day of Humiliation, NY Governor Lovelace wrote that “many” were “daily swept away & many more lying on their languishing beds, expecting each hour their dissolution.”

²²⁹ Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.

²³⁰ Approximately 3,100 British sailors and soldiers died from yellow fever on way to Boston and while stationed there in June and July. It was only reported that “several” colonists succumbed in Boston.

²³¹ We derive “hundreds” from accounts which note high mortality in Native populations in SC and NC, but do not note an estimated mortality range. Whatever the number, it would be in addition to the 200-300 for Charleston.

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

29. 1711-12 -- winter (within two months), “Malignant Distemper” (influenza?), CT -- 250
30. 1711-12 -- winter, Disease (smallpox/pestilential fever/pleurisies/flux), Charleston SC-- >10
31. 1712-13 -- Oct 1712-Sep 1713, “Malignant Distemper,” Waterbury, CT --21-30
32. 1713-14 -- Oct-1714, measles epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA)-->109
33. 1715 -- measles, New London, CT (9); “malignant disease,” Plymouth, MA (40) -- 49
34. 1715 -- smallpox, NY and NJ colonies, esp. Burlington and Perth Amboy, NJ -- ≥10
35. 1721 -- May-Apr 1722, smallpox, Mass. Bay Colony, esp. Boston & Charlestown--957-1004
36. 1726 -- summer, unknown typhoid fever-like epidemic, Newent Parish, Norwich, CT -- ~20
37. 1727 -- Sum. esp., typhoid fever-like epidemic Norwich (~40) & Woodbury (≥44), CT-- ≥84
38. 1728 -- Late summer to fall, yellow fever, Charleston, SC -- <130
39. 1730 -- smallpox epidemic, Massachusetts Bay Colony, especially Boston -->502
40. 1731 -- smallpox epidemics, New York City (548-700) and Philadelphia (288) --836-988
41. 1732 -- Oct, influenza outbreak, New England, NY, Philadelphia, esp. Ipswich MA/17-- ≥36
42. 1732 -- smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY --104-118
43. 1732 -- May-Oct, yellow fever outbreaks, Charleston SC (130-150), NYC (70) --200-220
44. 1735-41 (esp. 1735-37) -- “throat distemper” (diphtheria),²³² esp. CT/ME/MA/NH --5,000
45. 1735-36 -- Aug 1735-July, 1736, scarlet fever outbreak, Boston, MA --100-114
46. 1736 -- July-Nov, epidemic (scarlet fever or diphtheria?), esp. children, Marblehead MA-- ~25
47. 1736 -- smallpox epidemic, Philadelphia, PA -- 158
48. 1737-38 -- Dec-Jan ‘38 -- smallpox, esp. Chilmark & Edgartown, Martha’s Vineyard, MA-- 12
49. 1738 -- smallpox epidemic, Charleston, SC -- 311
50. 1739 -- June-July 19, smallpox, Newport and nearby vicinity, RI --23-27
51. 1738-39 -- smallpox, Catawba (NC/SC) and Cherokee Natives (NC) --7,700-11,700
52. 1739 -- yellow fever, “severe” extensive, “raged...violently,” Charleston, SC²³³ --dozens
53. 1741 -- Pre-April, “Long” or “Lung” fever,” Sutton, MA (19), New London, CT (?) -- ≥19
54. 1741 -- Sum.-fall, yellow fever epidemic, Boston, MA and esp. Philadelphia, PA -- 265
55. 1742 -- smallpox outbreak in New York, NY -- 250
56. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (diphtheria), Greenland & esp. Stratham, NH-- 97
57. 1742 -- Aug-summer 1743, dysentery outbreak, East Haven (population ~500), CT --43-60
58. 1743 -- July 25-Oct, yellow fever epidemic, New York City, NY -- 217
59. 1745 -- “throat distemper” (diphtheria), Hampton and especially Kensington/16, NH -- 21
60. 1745 -- malignant dysentery epidemics, Shrewsbury, MA, esp. Stamford (one str.), CT-- ≥80
61. 1745 -- June-Nov, yellow fever, New York City and especially Charleston, SC²³⁴ --dozens
62. 1746 -- dysentery (“fever & Flux”) epidemics, esp. Harvard/37, Westborough/25 MA -- ≥62

²³² Referred to as throat distemper, and other names at the time, descriptions point to what was later named diphtheria. Scarlet fever occurred as well, with deaths, but sources indicate the major epidemic was diphtheria.

²³³ The closest we have seen to a fatality estimate is Duffy’s note that it “was not quite as bad as the previous one [yellow fever epidemic] in 1732.” In that year between 130 and 150 people are estimated to have died from yellow fever in Charleston. (Duffy, John. *epidemics in Colonial America*. Baton Rouge: LSU Press, 1953, 1979, p. 152.)

²³⁴ Cannot find number of reported deaths, but a Census of Charleston for the year 1848 compares the fatality of 145 to that of 1732, wherein 130-150 people died from yellow fever.

63. 1746 -- Aug-frost (probably Oct), yellow fever or typhoid epidemic, Albany, NY²³⁵-- 45
 64. 1747 -- “throat distemper (diphtheria), MA (≥89) and Kensington, NH (48-52) --137-≥141
 65. 1747 -- measles epidemic, Philadelphia, PA (cases noted also in CT, NH, NY, SC) -- 84
 66. 1747 -- June 29- frost (probably Oct), yellow fever, Philadelphia, PA -- >43
 67. 1748 -- Mid-Aug to mid- Oct, yellow fever outbreak, Charleston, SC -- ≥33
 68. 1749 -- dysentery epidemics, CT, esp. Waterbury (130) Woodbury (57), CT --252-262
 69. 1749-50 -- “throat distemper” (diphtheria), MA, esp. Tewksbury (≥38) --≥106-112

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

70. 1751 -- dysentery epidemic, Canaan (~10), Hartford (64) and New Haven (45), CT --~119
 71. 1751-52 -- “throat distemper” (diphtheria), esp. Abington/Hingham/Weymouth, MA --240-290
 72. 1752 -- Early in year through at least summer, Small-Pox epidemic, Boston, MA --535-569
 73. 1753 -- “throat distemper (diphtheria), Exeter, Stratham and Rye, NH -- ~72
 74. 1753 -- Late summer-fall (~2 mo.), dysentery (“Camp Distemper”), esp. Norwich, CT-- 28
 75. 1753-54 -- Dec-Jan (2 mo.), unknown epidemic fever, Holliston (pop. ~80 families), MA--43
 76. 1754-55 -- Jan ‘54-July ‘55, “throat distemper” (diphtheria), esp. children, Hampton NH -- 51
 77. 1754 -- typhoid fever, Philadelphia, PA -- 273
 78. 1755 -- Early fall, diphtheria, New Casco, ME -- 10
 79. 1756 -- summer, diphtheria epidemic, children, Saco, ME -- 14
 80. 1756 -- epidemics, esp. dysentery; Mass. Bay Col., esp. Rutland/60, Lancaster/42, MA -->225
 81. 1756 -- smallpox epidemic, Philadelphia -- 900
 82. 1758-59 -- measles epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA) -->100
 83. 1759 -- measles (“many...in a short space of time; not a house exempt...”), Fairfield NJ ≥10?
 84. 1759 -- smallpox epidemic, Philadelphia -- 600
 85. 1759-60 -- smallpox epidemic, Catawba Nation, SC -- ~300
86. 1760 -- smallpox epidemic, Charleston SC (as well as undocumented Native deaths)--730-940
 87. 1760-61 -- winter-spring, influenza epidemic, esp. Natives, esp. CT, MA, ME, PA --hundreds
 88. 1762 -- Aug-Nov,²³⁶ yellow fever, Philadelphia, PA --~100?
 89. 1763 -- smallpox epidemic, Native Americans, CA -->100
 90. 1763 -- winter, throat distemper epidemic (diphtheria), Philadelphia, PA -- >10
 91. 1763-64 -- Aug-Feb, yellow fever, Indians, Nantucket Isl., & Martha’s Vineyard, MA²³⁷ --200-261
 92. 1763-64 -- Dec-July, smallpox epidemic, Boston (170) & Cambridge (6), MA colony -- 176
 93. 1764 -- “throat distemper” (diphtheria), especially children, Westminster, MA -- 15
 94. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI²³⁸-- 14
 95. 1764-65 -- smallpox, esp. Iroquois, Shawnee, Lenape, Creek, Choctaw, Chickasaw >1,800
 96. 1765 -- yellow fever epidemic, Pensacola, FL -- 125
 97. 1767 -- Late summer, epidemic (dysentery?), New York City, NY²³⁹ -- ≥30
 98. 1767-70-- diphtheria epidemic (12% of population, mostly children), Oxford, MA --96-144

²³⁵ Sources consulted then and since (five), disagree as to yellow fever or typhoid. Cross-listing in both sub-sets.

²³⁶ Redman has the outbreak from Aug-Oct. Rush has it from Aug-Dec. We compromise between the two in that the mosquitoes which are the vector are generally killed off, or go into hibernation, with the first good frost.

²³⁷ The Nantucket Island Native American population was decimated, only a small percentage survived.

²³⁸ We place this in the “influenza” sub-type below in that both sources used thought this was probably influenza.

²³⁹ Our number. Source notes “fifteen deaths were reported daily” during an epidemic (dysentery section of a paper).

99. 1768 -- fall-winter (two months), smallpox, especially children, Reading, PA -- >60
 100. 1769 -- throat distemper (diphtheria), especially children, New York City, NY -- >10
 101. 1769 -- Aug-Sep, Flux (dysentery) and fever outbreak, esp. children, Boston, MA -- ~108

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

102. 1770 -- “Chin” (whooping) cough epidemic esp. children, Salem (pop. ~5,000), MA-- 37
 103. 1770-71 -- winter, influenza epidemic “took scores of lives,” Philadelphia, PA -- \geq 40
 104. 1771 -- May-July, scarlet fever (especially children), Duxbury, MA -- \geq 10
 105. 1772 -- measles epidemics, Charleston, SC (800-900), Philadelphia, PA (180) --980-1,080
 106. 1773 -- smallpox epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA -- ~321
 107. 1775 -- dysentery, DE, MD, NJ (\geq 10), but primarily CT (\geq 146) and MA (\geq 326) -- \geq 482
 108. 1775-82 -- smallpox epidemic, North America 84,000
 109. 1776 -- “Throat Ail” (diphtheria?), especially children, Athol, MA -- 16
 110. 1776 -- dysentery epidemics, NY (especially northern NY), MA and NJ -- \geq 76
 111. 1777 -- dysentery, CT, NJ, PA, VT, and especially MA (\geq 255) and NY (\geq 100) -->416
 112. 1778 -- late sum.-fall, dysentery, esp. Dunstable, Lexington, Medford, Tewksbury MA-- 111

 113. 1780-82 -- smallpox epidemic, Native Americans, Great Plains (see 1775-1782) -->32,000
 114. 1789-90 -- fall-Spring, influenza epidemic; CT/ME/MA/NH/NY/Philadelphia/RI²⁴⁰--many

 115. 1791 -- yellow fever epidemic, New York City, NY -- 200
 116. 1792 -- yellow fever epidemic, Charleston, SC -- <96
 117. 1793 -- dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic.--hundreds
 118. 1793 -- influenza epidemic, 5 counties, 4 weeks, VA -- 500
 119. 1793 -- scarlet fever, New England (esp. CT), New Jersey, New York, Philadelphia -- \geq 25
 120. 1793 -- Aug–Nov, yellow fever epidemic, Philadelphia, PA --4,041-5,000
 121. 1794 -- scarlet fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT-- \geq 76
 122. 1794 -- June-Nov, yellow fever, Baltimore MD (200-360); New Haven, CT (64) --264-424
 123. 1795 -- “throat distemper” (diphtheria), Royalston (66) and Rutland (5) MA -- 71
 124. 1795 -- dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60-- \geq 156
 125. 1795 -- Scarlett fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11-- \geq 39
 126. 1795 -- July 19–Oct 12, yellow fever epidemic, NY City; Providence, RI (45) --745--800
 127. 1796 -- scarlet fever epidemic (esp. children), Marblehead, MA and esp. VT --681-846
 128. 1796 -- yellow fever, esp. Charleston, SC/300, New Orleans/250-400; Wilmington NC/150--836-986
 129. 1797 -- Sum-fall, dysentery, esp. Nantucket Isl. (100), Westport MA (30); Hanover NH (24)--163
 130. 1797 -- yellow fever, New Design, MO, NYC, Philly, Providence, RI --2,502
 131. 1798 -- Sum-fall, dysentery, VT, esp. Norwich/Pomfret/Salem/Sandgate, Shays’ Stlmt., VT-- \geq 141
 132. 1798 -- yellow fever epidemic, East Coast port cities ~10,000
 133. 1799 -- Sum-fall, dysentery, especially children, Hanover and adjacent towns, NH --20-30
 134. 1799 -- yellow fever, esp. Charleston, SC, NYC, Philadelphia, *Delaware & Greene*--1,356

²⁴⁰ Sources consulted do not provide an estimate. Kohn (“New England influenza epidemic of 1789,” *Encyclopedia of plague and Pestilence*), writes it was widespread in states we note, affected thousands/fall of 1789, lasted about 4-6 weeks in each place in the first (1789) wave, was “particularly harsh on the elderly and chronically ill,” and that there were especially “many” deaths from the derivative pneumonia. Notes the “case-mortality is believed to have been less than 50 percent during the epidemic.” If there were thousands of cases, there would be many deaths.

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

135. 1800 -- yellow fever, esp. Baltimore, Charleston SC, Norfolk, Providence, RI--1,509-1,806
136. 1800 -- Sum., dysentery outbreak, esp. children, esp. Francestown & Hanover NH --103-113
137. 1800 -- July-Oct smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA²⁴¹68
138. 1801 -- Oct (1st week), dysentery (3-4 children a day), Salem, MA -- \geq 10
139. 1801-02 --smallpox, Natives, esp. Chinook, Omaha, Osage, esp. Central, Northwest -->9,090
140. 1801 -- yellow fever epidemic, Queensborough, NYC, NY -- 156
141. 1802 --~Aug-Nov 2, dysentery, esp. Greenfield & Shelburne MA (92), Bridport VT/16-- 137
142. 1802 -- yellow fever, Wilmington DE, MD, MA, Philadelphia, NH, SC -- 561
143. 1803 -- Sum.-fall, dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50)-- \geq 82
144. 1803 -- yellow fever epidemic, July 18-Oct, Charleston SC, NY, VA, Philadelphia --1,403
145. 1804 -- dysentery, summer-fall (2 month period), (especially children), Orwell, VT -- 60
146. 1804 -- epidemic, Possibly cholera (or typhoid or plague) Natives, Oahu, Hawaii >3,000
147. 1804 -- scarlet fever ("Canker Rash"), Reading, Windsor County, VT (15), NYC (14)-- 29
148. 1804 -- smallpox outbreak, New York City, NY --164-199
149. 1804 -- tuberculosis, "Phthisis Pulmonalis," New York City (2,125 deaths all causes)-- 499
150. 1804 -- yellow fever epidemics, NOLA, Brooklyn & especially Charleston, SC -- 198
151. 1805 -- smallpox, New York City, NY -- 62
152. 1805 -- tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes)-- 462
153. 1805 -- yellow fever, esp. NYC/270-340, Philly/300-400, Providence, RI/10, SC/ \leq 59 --750-809
154. 1805 -- Sep-Oct (esp.), dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA-- 50
155. 1806 -- smallpox, New York City, NY (out of 2,225 deaths from all causes in NYC)-- 48
156. 1806 -- tuberculosis (phthisis pulmonalis), New York City (2,225 deaths all causes) -- 354
157. 1807 -- smallpox, New York City, NY (29 out of 2,312 deaths), Philadelphia (32) -- 61
158. 1807 -- yellow fever epidemic, especially Charleston, SC -- 169
159. 1808 -- Year, smallpox, Philadelphia, PA, New York City, NY -- 207
160. 1808 -- yellow fever epidemic, Sep 5-Oct, St. Mary's, GA -- 84
161. 1809 -- May-Feb 1810 -- Disease/Illness, U.S. Army, MS -- 656
162. 1809 -- yellow fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA-- 850
163. 1810-11 -- "Canker Rash" (diphtheria or scarlet fever),²⁴² children, Winchendon, MA-- 59
164. 1811 -- "Spotted fever" (meningitis), NH (\geq 10) & VT, esp. Woodstock (60-70), VT--103-108
165. 1811 -- Oct-Apr 1812, smallpox, New York City (117); Baltimore, MD (135) -- 252
166. 1811 -- yellow fever epidemic, New Orleans, LA -- >500
167. 1812 -- Feb-Apr, Spotted fever/meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT--265-325
168. 1812 -- Oct-June 1813 (esp.), Peripneumony/Lung fever (pneumonia), VT, esp. Burlington-4350-6400

²⁴¹ Cross-listed in Tainted Food, Drugs and Medications.

²⁴² "Canker rash" -- term used to describe both what was later referred to as scarlet fever and diphtheria. There were similar and dissimilar symptoms. Thus without detailed descriptions at the time it is not clear which disease.

169. 1814 -- summer-fall, epidemic fever (referred to as typhus), Wardsborough, VT --23-26
 170. 1814-15 -- winter, "Putrid Sore Throat"? epidemic, eastern VA, esp. Northern Neck VA-->100
 171. 1815 -- smallpox, New York City, NY -- 94
 172. 1815-16, winter -- smallpox epidemic, Comanche Nation²⁴³ -->4,000
 173. 1816 -- smallpox, New York City, NY -- 179
 174. 1817 -- June-Dec, yellow fever, esp. Charleston SC, Natchez MS, New Orleans --1208-1,233
 175. 1818 -- yellow fever epidemics, esp. Charleston SC (115); New Orleans, LA (115) -- 234
 176. 1819 -- yellow fever, esp. Charleston, Mobile, Natchez; most esp. New Orleans--2871-3,019

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

177. 1820 -- May-Dec, yellow fever, Savannah GA/New Orleans/NYC/Philadelphia --1,335
 178. 1821 -- summer-fall, yellow fever, esp. Norfolk VA (~160); St Augustine, FL (172)--≥414
 179. 1821 -- Aug, smallpox, Baltimore, MD -- 47
 180. 1822 -- summer, "Bilious ["Intermittent"] fever" epidemic, Louisville, KY --140-232
 181. 1822 -- yellow fev., esp. late sum.-fall, esp. NOLA/Marietta OH/NYC/Pensacola²⁴⁴1,519-2,741
 182. 1823 -- smallpox, Philadelphia, PA -- 160
 183. 1823 -- July-Nov 1, yellow fever, Key West/>32, Natchez, MS/337, New Orleans/239-->613
 184. 1824 -- smallpox, NYC, NY, Philadelphia, PA, Sandusky, OH --740-745
 185. 1824 -- July-Nov, yellow fever, esp. Charleston SC (235); New Orleans LA (≥108) --364-373
 186. 1825 -- yellow fever, esp. Mobile, Key West & Pensacola, NOLA, Natchez, Washington MS--428
 187. 1827 -- yellow fever, esp. Charleston, SC (64) & New Orleans (109) epidemics -- ≥195
 188. 1828 -- yellow fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150-- 332
 189. 1829-1833/esp. 1833--malaria? epidemic, West Coast Natives; CA/20K, OR-WA/10K--30,000
 190. 1829 -- yellow fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA/900 --1,146
 191. 1830 -- July-fall, yellow fever, Charleston SC (39) & especially New Orleans (132) -- 172
 192. 1832 -- June-Dec 16, cholera epidemics, esp. DC/LA/MD/NJ/NY/OH/PA/VA --16,781-18,491
 193. 1832 -- yellow fever outbreak, New Orleans, LA -- 400
 1833 -- unknown epidemic, natives, esp. Sacramento/San Joaquin Valleys, CA (see 1829)
 194. 1833 -- May-Aug (esp.), cholera, esp. KY/~2000, NOLA/1000, WV/OH/IN/TN/IL --6308-6,353
 195. 1833 -- Early Aug-early Nov, yellow fever epidemic, New Orleans, LA --1,000
 196. 1834 -- ~Jul-Nov, cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
 197. 1834 -- smallpox, New York City, NY (233) and Philadelphia, PA (195) -- 428
 198. 1834 -- yellow fever epidemic, New Orleans (≥95), LA; Charleston (49), SC -- 144
 199. 1835 -- smallpox, especially New York City (351), Philadelphia (101) -- 452
 200. 1835 -- Apr-Aug, cholera, esp. Madison, IN; KY, esp. Russellville; New Orleans, TN --590-601

²⁴³ We note "greater than" 4,000 in that 4,000 is the estimated Comanche loss, whereas it has been written that the Kiowa, for example, lost to smallpox numbers in a ratio comparable to the Comanche.

²⁴⁴ Also includes 101 fatalities on the U.S. Frigate *Macedonian*, sailing in the Caribbean late Spring to mid-summer.

201. 1835 -- Aug-Sep, yellow fever, Charleston SC (25-26) New Orleans LA (284-289) --309-315
202. 1835 -- Nov-Spring 1838, smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK13,105
203. 1836 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA -- 458
204. 1836-37--measles, New York City, NY -- 443
205. 1837 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA -- 823
206. 1837 -- smallpox, California Native Americans²⁴⁵ 2,000-10,000
207. 1837 -- Aug-Nov, yellow fever epidemics, Mobile AL; New Orleans LA; Natchez MS-1,550-1,930
208. 1837-38--smallpox, Upper Mid-West Native tribes, especially Dakotas/MT - -10K~17,000
209. 1838 -- yellow fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)--376
210. 1839 -- Jun-Oct, yellow fever, SC, FL, GA, TX, esp. Mobile, Natchez, New Orleans--~2,764

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

211. 1840 -- yellow fever outbreak, Charleston, SC (22), New Orleans (3) -- 25
212. 1841 -- yellow fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston --3,498
213. 1842 -- July-Oct, yellow fever epidemics, Mobile AL (66-77), New Orleans (211) --285-289
214. 1843 -- July-Nov, yellow fever, esp. Mobile AL (240-750), New Orleans (487-700)--758-1,481
215. 1844 -- yellow fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA (148)--590
216. 1846 -- yellow fever epidemic, New Orleans, LA (146-160); also Mobile AL (4) --151-165
217. 1847 -- smallpox, Modoc Native Americans, Southwestern Oregon -- >150
218. 1847 -- fall, measles epidemic, Cayuse Indians, Southwestern WA -- >200
219. 1847 -- typhoid and typhus, New York City (1,396), typhus, New Orleans (154) --1,550
220. 1847 -- yellow fever, esp. NOLA, also Galveston, Mobile, Pensacola, Vicksburg²⁴⁶ ≥3,400
221. 1848 -- scarlet fever outbreak, Mobile, AL -- 75
222. 1848 -- typhus and typhoid, New Orleans, LA/372, NYC/953, South Philly/205 --1,530
223. 1848 -- yellow fever, Mobile AL~76, New Orleans/850-872, NY Marine Hosp./12 --937-960
224. 1848 -- smallpox, esp. New York City, NY/585 and Philadelphia, PA/100 -- 691
225. 1848 -- Dec, cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX --1,159
226. 1848 -- Sep-early 49, measles/whooping cough/dysentery/influenza epidemics, HI --10,000
227. 1849 -- cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K)²⁴⁷ >45K-51,428
228. 1849 -- scarlet fever outbreak, Mobile, AL -- 50
229. 1849 -- Aug-Dec, yellow fever, Charleston SC/125, Mobile AL/50, New Orleans/737--912-944

230. 1850 -- cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI²⁴⁸--14,158-14,637

²⁴⁵ As noted in the narrative description section, Shelburne Friend Cook in his *The Conflict Between the California Indian and White Civilization*, Part 4, 1976, p. 213, writes that the accounts he has before him giving estimates of 100,000, and 200,000 to 300,000, are “obviously wild guesses.” His own guesstimate (p. 214) is 2,000. We simply recognize the range. In another book in 1978 he writes that “the mortality may have reached 10,000.”

²⁴⁶ In at least 10 Louisiana locations other than New Orleans; also in six known locations other than Vicksburg in Mississippi; was in Memphis, TN, and Brazos, Houston and Matamoras, Texas. Mostly late summer and fall.

²⁴⁷ outbreaks elsewhere (see narrative document). We note that our sources could not have had access to all cholera deaths in areas of coverage. Collins and Collins write in *History of Kentucky*, there were many more deaths in the smaller towns and the countryside than they were able to chronicle. This must have been true all on river routes and rail traffic as well as in the wagon trains heading west during the Gold Rush. In addition, part of the explanation for the range has to do with what was called a death by cholera or a death caused by cholera-like symptoms, such as diarrhea or dysentery (interestingly co-incident in epidemic form during a cholera outbreak).

²⁴⁸ This reflects zero Plains Native American deaths, whereas the range of cholera deaths amongst Plains natives in 1849 was 5,600-6,500. We believe that there must have significant loss of life, but have just not located sources.

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

231. 1850 -- croup (contagious upper airway viral infection), nationwide 10,706
232. 1850 -- dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965 --20,556
233. 1850 -- measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
234. 1850 -- scarlet fever, esp. PA/1,974, OH/1,301, NY/1,028, MA/571, MD/561, VA/523 --9,584
235. 1850 -- scurvy, especially MO/18, NM Territory/5, OH/5, LA/NY/VA/4 each, IA/3 -- 54
236. 1850 -- smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140--2,352
237. 1850 -- tuberculosis (consumption), esp. NY/6,691, PA/3,520, MA/3,426, OH/2,558--33,516
238. 1850 -- typhoid fever, 31 States, Washington, DC, four Territories --13,099
239. 1850 -- whooping cough, esp. NY/649, OH/450, GA/385, AL/305, PA/288, SC/269 --5,280
240. 1850 -- yellow fever, Jan-Oct, esp. Jefferson/Orleans Parishes/New Orleans, LA and SC²⁴⁹--862
241. 1851 -- June-Aug esp., cholera, esp. St. Louis, IL, New OrL., Cincinnati, SD Sioux --3,314-3,322
242. 1851 -- smallpox, esp., NYC/562-586, Philly/316; Augusta GA/7, Chicago/5 --895-909
243. 1851 -- typhus/typhoid, NYC/1,103, New Orleans/typhus/228, Chicago/typhoid/10 --1,341
244. 1851 -- yellow fever outbreak, New Orleans, LA -- 16
245. 1852 -- cholera, esp. NY/1.3K, IL/1.2-1.3K, New Orleans/1K-1.3K, MO/~1K --4,381-4,736
246. 1852 -- smallpox, Nevada City, CA natives, NYC (407-516), Philadelphia/427 --943-1,052
247. 1852 -- yellow fever, Charleston, New Orleans, Savannah -- 745
248. 1852 -- Nov/Dec, unknown epidemic, Natives, Hock Farm, Sutter County, CA²⁵⁰ -- 40
249. 1853 -- cholera, New Orleans, LA (554-585); Choctaw on Arkansas Riv., OK/14--568-599
250. 1853 -- pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
251. 1853 -- smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC--7,450-9,450
252. 1853 -- typhoid outbreak, Native Americans, Nevada City vicinity, CA -- ~100
253. 1853 -- May-Dec, yellow fever, esp. AL/1293, LA/~15K, MS/1311 TX/871 --18,770-19,533
254. 1854 -- cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston --10,275-10,467
255. 1854 -- smallpox, esp. Charleston SC/59, Chicago/12, Jacksonville FL/~15, NYC/624, Philly/40-- 750
256. 1854 -- Late March through early Apr (esp.) scarlet fever outbreak, Jacksonville, FL-- ≤12
257. 1854 -- Jun-Dec, yellow fever, esp. Jacksonville, Charleston, Galveston, NOLA, Savannah--4,238
258. 1855 -- May-Aug, cholera, IL//KS/KY/MO/OH/WI, esp. New Orleans/883 --1,797-1,869
259. 1855 -- Jun-Nov, yellow fever, esp. New Orleans/2,670; Norfolk/Portsmouth, VA/3K--6,059
260. 1855 -- Sep 5, cholera aboard Steamship *Sierra Nevada*, leaving NY -- 95
261. 1856 -- Aug-Sep, yellow fever, Charleston SC/212-266, New Orleans/74, NY/12 --304-358
262. 1857 -- Jan (beginning), "National Hotel Disease," dysentery?, Washington, DC -- >36
263. 1857 -- June-Dec, yellow fever, Charleston SC, Jacksonville FL/127, New Orleans/199-- 353
264. 1858 -- diphtheria, April-fall, Albany, NY -- 167
265. 1858 -- Jun-Dec, yellow fever, esp. Charleston SC; Galveston & Indianola; New Orleans/4855 --6,490
266. 1859 -- yellow fever, esp. Galveston/186, Houston/22, TX, New Orleans/91, LA -- 337

²⁴⁹ Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.

²⁵⁰ Our use of Nov/Dec in the dating is speculative. The source is the Sacramento *Union* of Dec. 13 and 17, 1852, noting fatalities during one month at John Augustus Sutter's Hock Farm.

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

267.	1860 -- croup (contagious upper airway viral infection), nationwide	15,188
268.	1860 -- measles, especially NY, OH, MO and PA	3,809-3,900
269.	1860 -- scarlatina (scarlet fever), 38 Census "Registration" States and DC	26,402
270.	1860 -- smallpox, esp. MA/473, NY/ 303, OH/135, PA/87, ME/56, VA/24	--1,263-1,271
271.	1860 -- tuberculosis (consumption), 38 Census "Registration" States and DC	49,082
272.	1860 -- typhoid fever, 38 Census "Registration" States and DC	19,236
273.	1860 -- whooping cough, nationwide, especially, NY, NC, OH, PA, and VA	--8,408
274.	1861 -- Jan-June, cholera, New York City ²⁵¹	-- 176
275.	1861 -- smallpox outbreak, Philadelphia, PA	-- 758
276.	1861-65--Apr-June, dysentery, Civil War, apparently Union & Confederate forces	~95,000
277.	1861-65--Apr-June, malaria, Civil War, Union/10K & Confederate/20K forces	~30,000
1264.	1861-65--Apr-June, measles, Civil War, Union and Confederate troops	~11,000
278.	1861-65--May-June, smallpox, Union soldiers and Confederate prisoners ²⁵²	--9,682
279.	1861-65--Apr-June, tuberculosis, Civil War, Union/6,946 deaths, Confederate/?	~14,000
280.	1861-65--Apr-June, typhoid fever, Civil War, Confederate and Union forces	~65,000
281.	1862 -- Jan-June, cholera, New York City, NY	-- 199
282.	1862 -- yellow fever, esp. Wilmington NC/>653; TX coast/≥328; Key West	--1,131-1,679
283.	1862 -- Feb-June 1865, diarrhea & dysentery, Confederate POWs, Camp Douglas IL--	698
284.	1862 -- Feb-Jun 1865 (41 mo.), malarial fevers, ²⁵³ Confederate POWs, Camp Douglas IL--	233
285.	1862 -- Feb-Jun 1865 (41 mo.), pneumonia/pleurisy, Confederate POWs, Camp Douglas IL-	1,296
286.	1862 -- Sep-June 1865 (34 months), dysentery/diarrhea, Confederate POWs, Alton, IL--	229
287.	1863 -- Jan-June, cholera, New York City, NY	-- 272
288.	1863 -- diphtheria, Vermont	-->1,300
289.	1863 -- malaria (probably), Maidu Natives, Pence's Ranch, Butte County, CA ²⁵⁴	-- 30
290.	1863 -- smallpox, esp. DC/700, Camp Chase OH, Fort Delaware DE, Baltimore/IL/PA-2.3K--	2,490
291.	1863 -- yellow fever outbreak, Pensacola, FL	-- 200
292.	1863 -- June-June 1865 (25 mo.), dysentery/diarrhea, Confederate POWs, Camp Morton, IN--	315
293.	1863 -- Aug-Jun 1865, diarrhea & dysentery, Confederate POWs, Fort Delaware, DE--	644
294.	1863 -- Sep-June 1865, diarrhea & dysentery, Confederate POWs, Point Lookout MD--	2,050
295.	1863 -- Nov 23-Mar 27 1865 (16 mo.), dysentery, ²⁵⁵ Union POWs, Prison Hosp., Danville VA-	592
296.	1864 -- cerebral spinal meningitis epidemic, Carbondale & Philadelphia, PA	-- 784
297.	1864 -- cholera (Jan-June), New York City, NY	-- 348

²⁵¹ Are not implying that cholera existed in NYC just in Jan-June months. The NYC Board of Health report drawn upon in 1867 *New York Times* article, only covers the same Jan-June six months for six years, 1861-1866.

²⁵² There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.

²⁵³ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

²⁵⁴ Deaths in a three-week period (Aug 30, 1863 Marysville, CA *Appeal* report). Cook (1976, p. 275) estimates that "at least 100 must have perished" in an extended time-frame. "undoubtedly" from malaria.

²⁵⁵ "diarrhoea and dysentery."

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

298. 1864 -- smallpox, Fort Alton IL, Chicago/283, Philly/260, Northern VA/112, SC, DC-- 712
299. 1864 -- typhoid, Chicago/192, Philadelphia/648; typhus/typhoid, NYC/1,425 --2,265
300. 1864 -- yellow fever, esp. New Bern NC/1,359, Charleston, SC/700, Galveston, NOLA --2,414
301. 1864 -- Feb-Jun 1865 (17 mo.), dysentery/diarrhea, Confederate POWs, Camp Chase, OH-- 226
302. 1864 -- Feb-June 1865 (17 mo.), pneumonia/pleurisy, Confederate POWs, Camp Chase OH--954
303. 1864 -- Feb 24-Apr 17, 1865, diarrhea & dysentery, Union POW's, Andersonville, GA --5,605
304. 1864 -- Feb 24-Aug 3, malarial fevers,²⁵⁶ Union POWs, Ft. Sumter, Andersonville, GA--149
305. 1864 -- July to June 1865, diarrhea and dysentery, Confederate POWs. Elmira, NY --1,394
306. 1864 -- July-June 1865 (12 mo.), pneumonia/pleurisy, Confederate POWs, Elmira, NY-773

307. 1865 -- Jan-June, cholera, New York City, NY -- 350
308. 1865 -- smallpox, esp. NYC/≤664, Philly/524, SC/GA/FL Sea Islands/~800²⁵⁷--2,500-2,510
309. 1865 -- typhus/typhoid NYC/1,075; typhoid/Chicago/190 and Philadelphia/773 --2,038

310. 1866 -- May-Dec, cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Philly/Army---16K-17,742
311. 1866 -- Aug-Nov (esp.), yellow fever outbreaks, especially New Orleans, LA (185) -- 211

312. 1867 -- Jan-Dec, smallpox, Chicago, IL -- 123
313. 1867 -- June-Dec, cholera, esp. St. Louis, New Orleans, KS/OK, Chicago, US Army--2,145
314. 1867 -- July-Dec, yellow fever, esp. New Orleans, Galveston/Houston; also AL/FL/MS/TN--10,012
315. 1868 -- June-Dec, smallpox, esp. San Francisco/960, Cincinnati/649, Chicago/150--≥1,825

316. 1869 -- scarlet fever, especially children, MI -- 252
317. 1869 -- smallpox, Cincinnati, OH (231), Michigan (42) -- 273
318. 1869 -- smallpox epidemic, Gros Ventre natives, Montana Territory --700~800

319. 1870 -- croup, nationwide 10,692
320. 1870 -- diarrhoea (14,195), dysentery (7,912) and Enteritis (9,046) --≥31,153
321. 1870 -- diphtheria, nationwide 6,303
322. 1870 -- measles, nationwide 9,237
323. 1870 -- pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX,VA-40,012
324. 1870 -- scarlet fever, esp. IL, MO, NY, PA, WI 20,339
325. 1870 -- smallpox, nationwide --4,597
326. 1870 -- tuberculosis (consumption), nationwide 69,896
327. 1870 -- typhoid fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA 22,187
328. 1870 -- typhus, nationwide, especially IL, IN, NY, and PA --1,770
329. 1870 -- Whooping or "Hooping" Cough, nationwide, esp. NY, IL, IN, OH, PA --9,008
330. 1870 -- May-Dec, yellow fever, esp. New Orleans/587 Mobile/173 Brunswick, GA --1,038

331. 1871 -- scarlet fever, esp. NYC/791, Baltimore/625, MI/696, MN/335, Philly/262 --2,709
332. 1871 -- smallpox, esp. Philadelphia/1,879, Cincinnati/1,179, NYC/805, Chicago/MI/NJ --4,505
333. 1871 -- July 30-Dec 18, yellow fever, esp. MS/143, Charleston SC/213, New Orleans/55-- 454

²⁵⁶ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

²⁵⁷ This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

334. 1872 -- cerebral spinal meningitis, MA (esp. Boston), NYC, PA (esp. Philly) --1,090
335. 1872 -- measles epidemic, Philadelphia, PA -- 143
336. 1872 -- scarlet fever, especially children, MI -- 565
337. 1872 -- smallpox, esp. Philly/2591, NYC/1666, St. Louis/1600, Baltimore/1217, Boston/1K--≥9,742
338. 1872 -- July 11-Nov 19, yellow fever, New Orleans, LA/~40; Galveston, TX/10 --50-51
339. 1873 -- cerebral spinal meningitis, Boston & Lowell MA, Philadelphia, PA -- 499
340. 1873 -- Feb-Sep, cholera, esp. TN/>2K esp. Nashville/~1K, KY/~1K, St. Louis --5814-6,519
341. 1873 -- scarlet fever, especially children, MI -- 580
342. 1873 -- smallpox, esp. Boston/668, Baltimore/631, Chicago/515, NYC/117, Charleston/106-- 2,201
343. 1873 -- July-Dec, yellow fever, esp. Memphis, AL, Pensacola, Louisville, LA, TX --3542-3584
344. 1874 -- scarlet fever, esp. NYC/879, Cincinnati/687, Brooklyn/479, Philly/461, VT --3,996
345. 1874 -- measles epidemic, Omaha Nation, Nebraska Territory -- 76
346. 1874 -- Aug 17-Nov 9, yellow fever, Pensacola, Warrington, Woolsey, FL/381; also N.O.-- 398
347. 1875 -- diphtheria, Hudson County, NJ -- 533
348. 1875 -- scarlet fever, Michigan and Hudson County, NJ -- 537
349. 1875 -- smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,770
350. 1875 -- tuberculosis/consumption; data on Chicago/880, MI/1419, NYC/4172, Philly/2359 --8,830
351. 1875 -- typhoid fever, 3rd leading cause of death in MI for year -- 433
352. 1875 -- whooping cough, MI -- 101
353. 1875 -- yellow fever outbreak, Key West, FL & Pascagoula, MS -- 98
354. 1875 -- croup and diphtheria, MI (374) and Hudson County, NJ (533) -- 907
355. 1876 -- scarlet fever, Hudson County, NJ -- 183
356. 1876 -- smallpox, 10 data-points, esp. Cincinnati/~930, SF CA/482, Philly/407, NYC/315--~2500
357. 1876 -- yellow fever, Savannah (also Brunswick), GA; also New Orleans & Baltimore --1,293
358. 1877 -- diphtheria, Santa Cruz, CA; Hudson County, NJ -- 349
359. 1877 -- scarlet fever, Hudson County, NJ -- 213
360. 1877 -- smallpox, 7 data pts., esp. New Orleans/1.1K; Philadelphia/155; Cincinnati/56 --1,496
361. 1877 -- Aug-Nov, yellow fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL-- 263
362. 1878 -- diphtheria, Hudson County, NJ -- 177
363. 1878 -- scarlet fever, Hudson County, NJ (113); fall, Cincinnati, OH (181) -- 294
364. 1878 -- Jun-Dec, yellow fever, esp. LA (esp. New Orleans), MS, TN (esp. Memphis)--~20,000
365. 1879 -- diphtheria, MN (955) and Hudson County, NJ (120)²⁵⁸ --1,071
366. 1879 -- scarlet fever epidemic, Hudson County, NJ -- 232
367. 1879 -- smallpox, San Antonio, TX; also to lesser extent NYC, NY -- 141
368. 1879 -- June-May 1880, diphtheria, esp. PA/4.6K; IL/3.7K; NY/2.3K; IA/2.3K, ME/MI/WI--38,143

²⁵⁸ There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.

- 369. 1879 -- June-May 1880, "malarial fever," esp. AL, AR, GA, IL, MS and MO --20,231
- 370. 1879 -- June-May 1880, measles, nationwide, especially GA, IL, IN, KS and MO 8,254
- 371. 1879 -- June-May 1880, meningitis, especially KY, NY, PA, MO and TN --7,481
- 372. 1879 -- June-May 1880, scarlet fever, especially children, esp. IN, NY and PA 16,388
- 373. 1879 -- June-May 1880, smallpox, CA/CT/DC/IL/LA/MA/NJ/NM/NY, esp. PA,TX--1,284
- 374. 1879 -- June-May 1880, typhoid ("Enteric") fever, esp. IL, IN, MO, OH, TX 23,339
- 375. 1879 -- June-May 1880, tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA 91,270
- 376. 1879 -- June-May 1880, whooping cough, nationwide, esp. IN, GA, NC, TX, AL 11,064
- 377. 1879 -- June-Dec, yellow fever, Forest City, AR, Louisiana, MS, Memphis, TN --682-786
- 378. 1879 -- July-mid to early Aug, cholera-like epidemic, Center Point and Walker, IA --24-28

1879 -- 1883, smallpox, see individual year breakouts for State breakouts --7,084

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

- 379. 1880 -- diphtheria, NY, esp. children, esp. NYC & Brooklyn; elsewhere NY --1,805-2,303
- 380. 1880 -- smallpox, esp. TX/517, Philadelphia/429, Camden NJ/47 Chicago/43, NY --1,281
- 381. 1880 -- July 16, beginning of yellow fever outbreak, Jacksonville, FL -- 34

- 382. 1881 -- cerebrospinal meningitis epidemic, New York City, NY -- 461
- 383. 1881 -- diphtheria, esp. NY/3.7K (NYC/2249, Brooklyn/1143), MI/2K, MA/1K, NJ/972--10,886
- 384. 1881 -- smallpox, esp. Philly/1336, Chicago/1180, NYC/503, Pittsburgh/448, HI/282 --5,275
- 385. 1881 -- typhoid fever, Birmingham AL, Washington DC, Minneapolis, NYC -- 692

- 386. 1882 -- typhoid fever, Washington, DC -- 120
- 387. 1882 -- smallpox, esp. Chicago/1292, Cincinnati/1249, PA/1111, Baltimore/551 --≥7,056
- 388. 1882 -- Jan 1-26, scarlet fever, NY, NJ -- 227
- 389. 1882 -- Aug-Nov, yellow fever, Pensacola, FL -- 198

- 390. 1883 -- Sep-Oct, diphtheria, Orange County, NC -- 22
- 391. 1883 -- smallpox, esp. New Orleans/1079 Baltimore/633 Cincinnati/189 Chattanooga/103--3,136
- 392. 1883 -- typhoid fever, Washington, DC -- 92
- 393. 1883 -- yellow fever, Aug 5-Nov 6, Brewton, AL, FL -- 74

- 394. 1884 -- typhoid fever, Washington, DC -- 76

- 395. 1885 -- diphtheria/croup, localities in 16 states; esp. NY/4508, MI/1552, NJ/1496 --10,788
- 396. 1885 -- typhoid fever epidemic, Plymouth, PA (114) & Washington, DC (124) -- 238

- 397. 1886 -- typhoid fever, Washington, DC -- 125

- 398. 1887 -- diphtheria, esp. NY/6490 (NYC/4509), Chicago/1405, St. Louis/1112, Philly--14,507
- 399. 1887 -- typhoid fever, Washington, DC -- 116
- 400. 1887 -- May-Dec, yellow fever, esp. Key West (64) and Tampa (75-100), FL --169-196

401. 1888 -- measles epidemic, Omaha Nation, Nebraska Territory -- 87
 402. 1888 -- typhoid fever, Washington, DC -- 168
 403. 1888 -- July-Dec, yellow fever epidemic, FL esp. Jacksonville/430; Decatur AL/35 -- 546

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

404. 1889 -- measles epidemic, Omaha Nation, Nebraska -- 50
 405. 1889 -- typhoid fever, Washington, DC -- 170
 406. 1889 -- Jan-Feb, Cerebro-spinal meningitis epidemic, Webster County, KY --50-70
407. 1889-90, June-May, croup, 48 States & DC, esp. NY/1.5K, PA/1.4K, IL/957, MO --13,862
 408. 1889-90, June-May, diphtheria, 48 States & DC, esp. NY/4K, PA/2.9K, IL/2.6K --27,815
 409. 1889-90, June-May, measles, esp. NY/757 PA/676 KY/513 MO/513 OH/714 AL/496--9,256
 410. 1889-90, June-May, smallpox, especially NM/231, TX/88, NY/13, and CT/12 -- 398
 411. 1889-90, June-May, typhoid (Enteric) fever, esp. PA, 2.8K, NY/1.7K, IL/1.7K, OH/1.6 --27,058
412. 1890 -- typhoid fever, nationwide, spiking in Oct --28,191-29,329
 413. 1890 -- Jan-March²⁵⁹ influenza (La Grippe/Russian Flu), esp. NY/IL/CT/OH/PA-16,295-17,807
414. 1891 -- typhoid fever, esp. Chicago/2K, NY/1926, Philadelphia/683, NJ/695, DC --5,840
 415. 1891 -- March-May, influenza & pneumonia, esp. Chicago/6,800, NY/5,572 --12,472
 416. 1891 -- epidemic, typhoid fever, Chicago (2,000), DC (208), Philadelphia (516) --2,724
417. 1892 -- typhoid, Washington, DC -- 183
 418. 1892 -- typhus fever, NYC, NY -- 200
419. 1893 -- cerebrospinal meningitis epidemic, New York City, NY --469-489
 420. 1893 -- typhoid, Washington, DC -- 186
 421. 1893 -- Feb-Dec, smallpox outbreak, Reading, Berks County, PA -- 18
 422. 1893 -- Sep, yellow fever, Fort Bayou, AL, FL, Brunswick, GA -- 61
 423. 1893-94, Dec-Jan -- epidemic influenza, NY --2,200
424. 1894 -- diphtheria, NY/6.6K, esp. NYC/2785, MA/1.5K, Chicago, 1.4K, Philly, NJ--14,606
 425. 1894 -- polio epidemic, VE, especially Rutland & Wallingford -- 18
 426. 1894 -- Jan 20-Jun 16, scarlet fever outbreak, Brooklyn & New York City, NY -- 123
 427. 1894 -- smallpox, esp. Chicago/1033, WI/325, esp. Milwaukee/244; NY/147 --1,752
 428. 1894 -- Feb 04-10, whooping cough outbreak, New York City, NY -- 101
429. 1895 -- Feb 1-Jun 21 smallpox outbreak, esp. Hot Springs AR, Chicago, Cincinnati -- 160
 430. 1895 -- June, diphtheria, esp. Boston, Brooklyn, New York -- 99
 431. 1895 -- June 16-22, scarlet fever, Binghamton, NYC, Oneonta, Yonkers -- 17
 432. 1895 -- Mid-Aug-Oct 3, cholera epidemic, Honolulu, HI --63-65
433. 1896 -- measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT-3,178
 434. 1896 -- smallpox, esp. New Orleans/238, Shreveport LA/11, Detroit/11, Dayton (8)-- 279

²⁵⁹ Technically, what became the flu epidemic of early 1890 began in late December 1889.

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

435. 1897 -- typhoid (Enteric) fever, esp. NY/1.5K, OH/1.2K, MA/1.1K, IN/655, PA -->9,192
436. 1897 -- Sep-Dec, yellow fever, esp. Mobile/48, New Orleans/298, MS, Memphis TN--~520
437. 1898 -- smallpox epidemic, Moqui Indians, AZ -- 220
438. 1898 -- Aug 23-Nov 18, yellow fever, LA, especially New Orleans (57); MS (80) --175
439. 1898 -- typhoid, esp. June-Dec, Spanish War Army camps and civilians, esp. Philly->4,627
440. 1899 -- typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia --1,026
441. 1899 -- July-Dec, yellow fever, esp. Key West/68 Miami/14; New Orleans/23; MS, VA-- 126
442. 1899-90, Dec 11-March 31 -- bubonic (Black) plague (Asian ship), Honolulu, HI -- 61
443. 1900 -- croup (Upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686 --12,484
444. 1900 -- diphtheria, esp. PA/2805, NY/2673, IL/1504, MA/1072, OH/698, NJ/678 --16,475
445. 1900 -- dysentery, esp. AL/861 TX/794 GA/781 NY/676 TN/663 SC/578 AR/541 --11,710
446. 1900 -- influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778 VA/754 GA/667-16,645
447. 1900 -- malarial fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001 --14,874
448. 1900 -- measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974--12,866
449. 1900 -- meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189 NJ/909--19,423
450. 1900 -- scarlet fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334 --6,333
451. 1900 -- smallpox, esp. MS/782, LA/708, NM/287, VA/263, AL/224, AR/195, TX/146-8,484
452. 1900 -- tuberculosis, esp. CA, IL, IN, KY, MA, MO, NJ, NY, OH, PA, TN --109,750
453. 1900 -- typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX --35,379
454. 1900 -- whooping cough, esp. NY/988, PA/702, TX/576, IL/497, AL/494, TN/425 --9,958
455. 1900-04 -- May-Feb, bubonic plague 'epidemic,' San Francisco, CA -- 113
456. 1900 -- June-Dec, measles / Flu epidemics, Native Alaskans, esp. western AK ~2000-2500
457. 1901 -- smallpox, esp. NY/436 (Bronx/312), PA/202 (Philly/178), NJ/139 (Newark/71) --1,085
458. 1901 -- Jan 1-12, Grip (influenza) epidemic, St. Louis, MO -- 54
459. 1902 -- smallpox, esp. NJ/432, NYC/310, MA/283, Cleveland/233, Philly PA/231 --2,111
460. 1903 -- smallpox, especially PA/747, IN/195, IL/135, OH/134, Rochester NY/24 --1,457
461. 1904 -- cerebrospinal meningitis, esp. NYC/1,083-1,403, Hartford, CT/108, NJ/245 --3,284
462. 1905 -- cerebrospinal meningitis epidemic, esp. NYC/1511-2025; also CT/NH/NJ/MA --5,114
463. 1905 -- tuberculosis/10 registration states, DC, 134 non-registration cities, esp. NY --56,770
464. 1905 -- May 21-Nov, yellow fever, esp. LA (esp. New Orleans/455), Pensacola, MS --1,131
465. 1906 -- epidemic Cerebro-spinal meningitis, esp. NY/1,117 (NYC/600), PA/385 --3,258
466. 1906 -- measles, nationwide --5,087
467. 1906 -- tuberculosis, Philadelphia, PA --3,742
468. 1906 -- Week of Dec 21, scarlet fever, Chicago, IL -- 115

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

469.	1907 -- diphtheria and croup, Registration area, esp. NY and PA (esp. Philly)	10,154
470.	1907 -- influenza, Census "Registration" States and Localities	≥10,066
471.	1907 -- measles, Census Registration States and localities	--4,302
472.	1907 -- May 27-Dec 31, bubonic plague epidemic, San Francisco, CA	--77-96
473.	1907 -- Sum-Autumn (Sep peak), polio epidemic, NY, esp. greater NYC	--100-125
474.	1907 -- scarlet fever, Census Registration States and localities	--4,309
475.	1907 -- tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly)	-- 76,650
476.	1907 -- typhoid, esp. PA/3,538, NY/1,702 IN/948 MI/594 CA/545 OH/523 MD/520	--12,670
477.	1907 -- whooping cough, Census Registration States and localities	--4,856
478.	1908 -- summer-fall, polio outbreak, IA, MA, MI , MN (13), VA, esp. WI (61)	-- 87
479.	1908 -- tuberculosis, Philadelphia, PA	--3,490
480.	1909 -- polio (acute), especially MA (74), MN (30) and NE (135) ND (19)	-- 569
481.	1909 -- smallpox, 29 reporting States and the District of Columbia	-- 132
482.	1909 -- tuberculosis, Philadelphia, PA	--3,496
483.	1910 -- summer-fall esp., polio, esp. IA/161 MA/122 MN/97 NY/170 PA/269	--1459-2,449
484.	1910 -- anthrax, CA, CO, DE, IN, ME, MD, MA, NY, OH, and esp. PA (7)	-- 22
485.	1910 -- smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67)	--403-427
486.	1910 -- tuberculosis, Philadelphia, PA	3,190
487.	1910 -- typhoid fever, avg. death rate 23.5; esp. NC, 57.7, CO/41.9, MD/40.7, MT/39.9	--25,000
488.	1911 -- anthrax, CA (2), CT (2), DE, IN, LA (2), MA, NY, OH, PA (2), VT	-- 14
489.	1911 -- diphtheria and croup, NYC, NY	--1,281
490.	1911 -- measles, NYC, NY	-- 659
491.	1911 -- polio, US registration area (63.1%), esp. OH/137, NY/101, PA/93, IN/69, KY/61	--1,060
492.	1911 -- scarlet fever, NYC, NY	-- 741
493.	1911 -- smallpox, 29 reporting States and DC, esp. TX/51, KS/26, and CA/10	-- 134
494.	1911 -- typhoid fever, PA	--1,716
495.	1911 -- Aug-Dec, tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX	--10,926
496.	1911 -- Oct-June 8, 1912, meningitis epidemic, esp. TX , OK, MO	-- 740
497.	1912 -- anthrax, DE, KY (3), MA (2), MN, MO, NJ, NY, OH (3), PA (4)	-- 17
498.	1912 -- diphtheria and croup, NYC, NY	--1,125
499.	1912 -- measles, US "registration area" (~65% population), NYC (671)	--4,240
500.	1912 -- Mar 24-June 8, pneumonia, Chicago, IL, NYC, NY	--4,342
501.	1912 -- polio, acute anterior, code 63; Census "registration area" was 63.2% of pop.	--1,081
502.	1912 -- scarlet fever, NYC, NY	-- 615
503.	1912 -- smallpox, 35 States and DC, especially TX (128); Pittsburgh (33)	--301-307
504.	1912 -- tuberculosis, Jan 1-Feb 24, Chicago IL, NJ, NYC, NY, Philadelphia, PA	--2,960
505.	1912 -- typhoid, Pennsylvania	--1,310

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

506.	1913 -- anthrax, CA, CT, DE/2, MA/3, MN, MO, NY/4, OH, PA/8, VA, WA, WI	-- 25
507.	1913 -- diphtheria and croup, NYC, NY	--1,333
508.	1913 -- measles, US "registration area" (65.1%), esp. PA/1,578, NY/1,120, OH/679	--8,108
509.	1913 -- scarlet fever, NYC, NY	-- 507
510.	1913 -- June-Sep (esp. Sep), polio epidemic, Buffalo, NY	-- 57
511.	1914 -- anthrax, CA, CT, DE, LA, ME, NE, NJ (2), NY, OH (2), PA (6), VA, WI	-- 19
512.	1914 -- diphtheria and croup, NYC, NY	--1,489
513.	1914 -- influenza and pneumonia, NYC, NY	10,500
514.	1914 -- measles, NYC, NY	-- 367
515.	1914 -- polio, the year, especially summer-fall, especially children, nation	--413-434
516.	1914 -- scarlet fever, NYC, NY	-- 451
517.	1915 -- anthrax, CA/2, CO, CT/3, IN, LA, MA/4, MN/2, MT, NJ, NY/14, PA/4, UT--	35
518.	1915 -- diphtheria and croup, NYC, NY	--1,278
519.	1915 -- measles, NYC, NY	-- 630
520.	1915 -- polio, esp. late summer-fall, US registration area (67-1% pop.) esp. children	-- 691
521.	1915 -- scarlet fever, NYC, NY	-- 291
522.	1915-16 -- Dec-Jan, influenza & pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI	--21,102
523.	1916 -- anthrax, CT, IL, KY/2, MA/5, MI/2, MO, NY/4, NC/2, PA/7, TX/2, WA	-- 28
524.	1916 -- diphtheria, especially children, nationwide, esp. PA, NY, MI	>8,000-17,000
525.	1916 -- influenza	--18,886
526.	1916 -- July-Sep esp. polio, esp. NYC/NY (3,331), NJ (1,180), PA (414)	--6,745->7,000
527.	1917 -- anthrax, esp. CA/6, CO/2, KS/2, MA/11, NJ/6, NY/12, PA/10, WI/2	-- 62
528.	1917 -- influenza/12,974; Bronchitis/12,311; pneumonia/74,874	100,159-115,526
529.	1917 -- polio, especially Jun-Sep, Census registration area (27 States, some cities)	≥1,182
530.	1917 -- scurvy, New York City (15) and elsewhere state of NY (4)	-- 19
531.	1917-18 -- Oct 10-March 8, 1918, smallpox, Eagle Pass, Maverick Co., TX	-- 33
532.	1917 -- Dec 21, pneumonia, NYC, NY	-- 56
533.	1918 -- June-Nov, polio outbreak, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY	-- ~180
534.	1918 -- typhoid fever, 33 Registration States, DC and Puerto Rico, esp. TX	--9,100
535.	1918-19, influenza and pneumonia epidemic	--531,851-728,922
	1918 -- influenza and pneumonia epidemic	430,000-543,482
	1919 -- influenza and pneumonia epidemic	101,851-185,440
536.	1919 -- diphtheria, 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ, NY, OH--	9,160
537.	1919 -- polio (acute). Especially late summer and fall, especially children	-- 747
538.	1920 -- diphtheria & croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885 ²⁶⁰	--13,395

²⁶⁰ Data from 34 Census Bureau Registration States and a number of cities ≥100,000 in non-registration states.

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

539.	1920 -- dysentery, 33 registration states	--3,574
540.	1920 -- influenza and pneumonia (1918-1920 subset)	141,609-220,798
541.	1920 -- malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183 ²⁶¹	--3,136
542.	1920 -- measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496 ²⁶²	--7,712
543.	1920 -- mumps, 33 registration states	-- 152
544.	1920 -- polio (acute) especially late summer and fall (33 "registration states)	-- 769
545.	1920 -- scarlet fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE ²⁶³	--4,004
546.	1920 -- smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28 ²⁶⁴	-- 508
547.	1920 -- tuberculosis, esp. Denver, San Antonio, Nashville, New Orleans	--99,916
548.	1920 -- typhoid fever, esp. PA/503 KY/490 OH/435 TN/434 IL/380 NY/SC/379 ²⁶⁵	--6,805
549.	1920 -- whooping cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536 ²⁶⁶	--10,968
550.	1921 -- measles, especially children, nationwide	--4,667
551.	1921 -- polio (acute), esp. late summer-fall, esp. children, esp. NY, IL, WA, MI	--1,597
552.	1922 -- polio (acute), especially late summer and fall, especially children	-- 790
553.	1923 -- polio (acute), especially late summer and fall, especially children	-- 850
554.	1924 -- polio (acute), especially late summer and fall, especially children	--1,079
555.	1924 -- Oct-Nov esp. Pneumonic and bubonic plague epidemic, Los Angeles, CA	--35-37
556.	1925 -- anthrax, CA/2, CT, DE/3, IL, IN, LA/2, MA, MS, MO, NJ, NY/2, OR, PA/4, WA--	22
557.	1925 -- diphtheria, esp. NY/1,006, PA/973, IL/409, OH/392, MI/360, NJ/337	--8,058
558.	1925 -- influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464	--30,538
559.	1925 -- malaria, esp. MS/426, FL/338, AL/306, LA/256, MO/189, SC/183, TN/155	--2,132
560.	1925 -- measles, 40 Registration states, esp. PA/503, MA/349, NY/323, IL/217, NJ/124	--2,404
561.	1925 -- Meningococcus meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51	--1,095
562.	1925 -- late summer-fall esp., polio, esp. children, esp. NY/208, CA/149, MN/140	--1,519
563.	1925 -- scarlet fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169	--2,762
564.	1925 -- smallpox, esp. MN/196, WI/134, CA/59, NJ/48, OH/47, IA/42, PA/29, IL/23--	709
565.	1925 -- tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819	--89,268
566.	1925 -- typhoid & paratyphoid fever, 48 States, esp. KY/668, TN/653, LA/649	--8,287
567.	1925 -- whooping cough, esp. PA/648, NY/523, CA/481, OH/374, IL/315, MA/279	--6,948

²⁶¹ Data from 34 Census Bureau Registration States and a number of cities $\geq 100,000$ in non-registration states.

²⁶² Data from 34 Census Bureau Registration States and a number of cities $\geq 100,000$ in non-registration states.

²⁶³ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

²⁶⁴ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

²⁶⁵ Ibid.

²⁶⁶ Data from 34 registration States and a number of cities $\geq 100,000$ in non-registration states.

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

568.	1926 -- polio (acute), especially late summer and fall, especially children	-- 851
569.	1927 -- polio (acute), especially late summer and fall, especially children	--2,013
570.	1928 -- polio (acute), especially late summer and fall, especially children	--1,381
571.	1928-29 -- winter, influenza and pneumonia epidemic	~50,000
572.	1929 -- polio (acute), especially late summer and fall, especially children	-- 812
573.	1930 -- influenza, 48 States and District of Columbia (pneumonia was 88,770)	--23,066
574.	1930 -- malaria, nationwide, esp. AL, AR, FL, GA, LA, MS, OK, SC, TN, TX	3,572
575.	1930 -- polio, especially late summer through fall	--1,370
576.	1931 -- "epidemic cerebrospinal meningitis," ²⁶⁷ especially IL, NY and PA	2,832
577.	1931 -- The year, diphtheria, especially children, especially AR, IL, KY and PA	5,738
578.	1931 -- influenza (31,701) and pneumonia, all forms (96,974), especially PA	128,675
579.	1931 -- malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN	2,536
580.	1931 -- measles, especially children, especially IL and PA	--3,576
581.	1931 -- polio, esp. July-Oct (Aug peak), esp. NY, NJ, MI, MA, IL, CT, PA	2,139-2,144
582.	1931 -- scarlet fever, especially children, especially IL	--2,651
583.	1931 -- tuberculosis, esp. CA, IL, NY, OH, PA	81,395
584.	1931 -- whooping cough, year, especially children, esp. IL, KY, NY and PA	--4,619
585.	1932 -- polio (acute), especially late summer and fall, especially children	-- 885
586.	1933 -- polio (acute), especially late summer and fall, especially children	-- 797
587.	1933 -- July 30-Sep, St Louis Encephalitis epidemic, St. Louis City & County, MO	-- 201
588.	1934 -- polio (acute), especially late summer and fall, especially children	-- 852
589.	1935 -- polio (acute), especially late summer-and fall, especially children	--1,040
590.	1936 -- polio (acute), especially late summer and fall, especially children	-- 780
591.	1937 -- polio (acute), especially late summer and fall, especially children	--1,461
592.	1938 -- encephalitis, MA (38 cases and 25 deaths)	-- 25
593.	1938 -- polio (acute), especially late summer and fall, especially children	-- 487
594.	1939 -- diphtheria, esp. Jan-Mar, Sep-Dec, nationwide, esp. GA, IL, NC, TX, VA	1,997
595.	1939 -- influenza (21,464) & pneumonia, esp. CA, IL, MI MO, NY, OH, PA, TX	99,097
596.	1939 -- malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX	1,761
597.	1939 -- polio (acute), especially late summer through fall, especially children	--773
598.	1939 -- tuberculosis, nationwide, esp. CA, IL, NY, OH, PA, TN, TX	61,609
599.	1939 -- whooping cough, nationally, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA	3,026
600.	1940 -- influenza and pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX	92,525
601.	1940 -- malaria, especially AL, AR, GA, MS, SC and TX	--1,442
602.	1940 -- polio, nationwide, especially IL, IN, IA, KS, MI, OH and WV	--1,026

²⁶⁷ "epidemic cerebrospinal meningitis," is the name used for this malady in U.S. Census, *Mortality Statistics 1931*.

- 603. 1940 -- syphilis, US death rate 14.4 per 100K pop, esp. FL DC AZ DE MS MD AL 19,006
- 604. 1940 -- tuberculosis, nationwide, especially CA, IL, NY, OH, PA and TX 55,576
- 605. 1940 -- whooping cough, nationwide, especially TX and KY --2,926

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** – cont.

- 606. 1941 -- measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133) --2,279
- 607. 1941 -- polio, especially late summer and fall, especially children -- 807

- 608. 1942 -- polio, especially late summer and fall, especially children -- 561

- 609. 1943 -- measles, especially children -- 307
- 610. 1943 -- polio, especially late summer and fall, especially children --1,151
- 611. 1943 -- Jan-Dec, whooping cough, especially children, nationwide --3,368

- 612. 1944 -- cerebrospinal meningitis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
- 613. 1944 -- influenza, especially Jan-Apr & Dec, nationwide, especially OH, PA, TX --17,320
- 614. 1944 -- measles, especially Jan-June, nationwide, esp. CA, GA, OH, PA, TX --1,923
- 615. 1944 -- polio, the year, especially July-Nov (1,070 deaths), esp. NY, OH and PA --1,381
- 616. 1944 -- scarlet fever, Int. List No. 8 (Communicable diseases) -- 422
- 617. 1944 -- tuberculosis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX --54,731
- 618. 1944 -- whooping cough, nationwide, especially NC, VA, TX, SC, KY, MS --1,878

- 619. 1945 -- cerebrospinal (meningococcus) meningitis (code 6 communicable disease) --1,728
- 620. 1945 -- measles, especially children --1,301
- 621. 1945 -- polio, especially July-Nov (September peak) --1,186
- 622. 1945 -- scarlet fever, Int. List No. 8 (Communicable diseases) -- 303
- 623. 1945 -- typhoid fever (471), Int. List No. 1; paratyphoid fever (63), Int. List No. 2 -- 534

- 624. 1946 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6) --1,257
- 625. 1946 -- diphtheria, infectious diseases International List No. 10 --1,259
- 626. 1946 -- dysentery, infectious and parasitic diseases International List code 27 -- 952
- 627. 1946 -- encephalitis, acute infectious, International List infectious diseases code 37 -- 642
- 628. 1946 -- influenza, infectious and parasitic diseases International List code 33 --8,783
- 629. 1946 -- leprosy (Hansen's disease), infectious and parasitic diseases Int. code 23 -- 16
- 630. 1946 -- malaria, infectious and parasitic diseases International List code 28 -- 341
- 631. 1946 -- measles, International List infectious and parasitic diseases code 35 --1,310
- 632. 1946 -- polio, esp. July-Nov, esp. MN/216, IL/185, TX/102, CA/99, MO/97, KS/91 --1,845
- 633. 1946 -- scarlet fever, International List No. 8 -- 198
- 634. 1946 -- smallpox, infectious and parasitic diseases International List No. 34 -- 25
- 635. 1946 -- tuberculosis, respiratory, code 13 (all forms including respiratory, 50,911) --46,939
- 636. 1946 -- typhoid fever (349), Int. List No.1 and paratyphoid fever (58), Int. List No.2-- 408
- 637. 1946 -- typhus fever/typhus-like diseases, Int. list infectious/parasitic diseases No. 39-- 289
- 638. 1946 -- whooping cough, International List No. 9 --1,241

DISEASES, especially communicable/infectious, esp. epidemics -- **Chronological** -- cont.

639.	1947 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6)	-- 917
640.	1947 -- diphtheria, infectious diseases Int. List No. 10	-- 799
641.	1947 -- dysentery, infectious and parasitic diseases Int. List code 27	-- 869
642.	1947 -- encephalitis, acute infectious, Int. List infectious diseases code 37	-- 830
643.	1947 -- influenza, infectious and parasitic diseases code 33	--7,664
644.	1947 -- leprosy (Hansen's disease), infectious and parasitic diseases code 23	-- 16
645.	1947 -- malaria, infectious and parasitic diseases Int. list code 28	-- 214
646.	1947 -- measles, Int. List infectious and parasitic diseases code 35	-- 472
647.	1947 -- polio, nationwide	-- 580
648.	1947 -- scarlet fever, Int. List No. 8	-- 107
649.	1947 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 48,064)	44,462
650.	1947 -- typhoid fever (282), Int. List No. 1 and paratyphoid fever (43), Int. List No. 2	-- 325
651.	1947 -- typhus fever/typhus-like diseases, int. list infectious/parasitic diseases No. 39	-- 224
652.	1947 -- whooping cough, Int. List No. 9	--1,954
653.	1948 -- cerebrospinal (meningococcus) meningitis infections (code 6, ICD 1, 1948)	-- 873
654.	1948 -- diphtheria, infectious diseases code 10	-- 634
655.	1948 -- dysentery, infectious and parasitic diseases ICD code 27	--1,078
656.	1948 -- encephalitis, acute infectious (viral), 1948 ICD infectious diseases code 37	-- 570
657.	1948 -- influenza, 1948 ICD infectious and parasitic diseases code 33	--5,068
658.	1948 -- malaria, infectious and parasitic diseases ICD code 28	-- 170
659.	1948 -- polio, esp. CA/365, MN/196, TX/190, NC/143, WI/92, SD/90 OH/87 IA/76	--1,895
660.	1948 -- scarlet fever, ICD code 8 (1948)	-- 68
661.	1948 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 43,833)	--40,420
662.	1948 -- typhoid fever (code 040)/205, and paratyphoid fever (code 041)/28	-- 233
663.	1948 -- typhus fever & typhus-like diseases, ICD infectious/parasitic diseases code 39	--177
664.	1948 -- whooping cough	--1,146
665.	1949 -- diphtheria, code 055	-- 574
666.	1949 -- dysentery, infectious, all forms (codes 045-048)	--1,440
667.	1949 -- hepatitis, infectious (code 092); PHS. <i>Vital Statistics...1949...Mortality</i>	-- 560
668.	1949 -- influenza (codes 480-483); pneumonia (codes 490-493) was 40,038)	--4,602
669.	1949 -- malaria (codes 110-117)	-- 118
670.	1949 -- measles (code 085); PHS, <i>Vital Statistics...[US] 1949, Part II...Mortality</i>	-- 949
671.	1949 -- meningococcal infections (code 057); <i>Vital Statistics...[US] 1949, Part II</i>	-- 917
672.	1949 -- polio esp. July-Nov, esp., NY/320, IL246, MI/210, TX/183 NJ/180 CA/236	--2,720
673.	1949 -- scarlet fever (39)/code 050 and streptococcal sore throat (447)/code 051	-- 486
	1949 -- smallpox, Mar 12, Elsa, TX	-- 2
674.	1949 -- tuberculosis, respiratory (all forms including respiratory were 39,100)	--35,988
675.	1949 -- typhoid fever, code 040 (161), and paratyphoid fever, code 041 (15)	-- 176
676.	1949 -- typhus and other rickettsial diseases (codes 100-103. 105-108)	-- 37
677.	1949 -- whooping cough, Public Health Service. <i>Vital Statistics...[US] 1949, Part II</i>	-- 727

678. 1950 -- chickenpox, code 087 in 6th revision of International Lists of 1948 (US PHS)-- 87
 679. 1950 -- diphtheria, code 055 of sixth revision of international lists of 1948 (US PHS)-- 410
 680. 1950 -- hepatitis, infectious, code 092, 6th rev. of International Lists/1948, US PHS -- 552
 681. 1950 -- influenza; separate from influenza with pneumonia/3,492 and pneumonia/40,523 --2,857
 682. 1950 -- malaria, codes 110, 112, and 116, sixth revision of international lists of 1948-- 75
 683. 1950 -- measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25)-- 468
 684. 1950 -- mumps, code 089 in 6th rev. of International Lists (in UPS Mortality Data) -- 40
 685. 1950 -- polio, esp. Jul-Nov (1,611 deaths), esp. CA, IL, MI, NY, OH, PA, TX --1,904
 686. 1950 -- scarlet fever (35) and streptococcal sore throat (311) US PHS Mortality Data-- 346
 687. 1950 -- tuberculosis, pulmonary, code 002, Sixth Rev. of International Lists, 1948 --29,228
 688. 1950 -- typhoid fever (96) and paratyphoid fever (18) -- 114
 689. 1950 -- typhus and other rickettsial diseases, codes 102-108, 6th rev. int. lists (PHS) -- 47
 690. 1950 -- whooping cough, code 056 of 6th rev. of international lists, 1948 (US PHS) --1,118

DISEASES, especially communicable/infectious, esp. epidemics--Chronological-- continued:

691. 1951 -- chickenpox (varicella); code 087, International List 6th Revision, 1948 -- 94
 692. 1951 -- diphtheria, esp. TX/31, AL/26, NC/19, KY/17, AR/16, LA/15, PA/15 CA/14-- 302
 693. 1951 -- measles, esp. TX/102, KY/43, OH/39, CA/37, IL/31, MO/30, PA/26, OK/25-- 688
 694. 1951 -- mumps (code 089) -- 48
 695. 1951 -- polio, especially July-Nov, especially CA, IL, TX --1,551-1,555
 696. 1951 -- scarlet fever (72) and streptococcal sore throat (275) -- 347
 697. 1951 -- tuberculosis (respiratory), esp. NY/3.5K, PA/2.5K, CA/2.2K, TX/2K, IL/1.8K --31,163
 698. 1951 -- typhoid fever (code 040), *Vital Statistics-Mortality 1951*; esp. TX/12, PA/9 -- 84
 699. 1951 -- whooping cough/pertussis, esp. TX/110, GA/86, MS/72, NC/52 VA/48 AL/45--960
700. 1952 -- chickenpox (varicella); International List 6th Revision, 1948, code 087 -- 101
 701. 1952 -- diphtheria (7 states double digits); AL/21 TX/21 CA/17 GA/17 SC/13, KY/12 VA/11--225
 702. 1952 -- dysentery, infectious, all forms (codes 045-048), esp. TX/249, MS/71, KY/61 -- 939
 703. 1952 -- influenza, esp. TX/433 PA/377 OH/335 AL/283 NC/248 VA/239 MO/226 --5,649
 704. 1952 -- malaria, one to three deaths in 15 States -- 25
 705. 1952 -- measles, 24 states double digits, esp. PA/49, NY/48, AL&TN/40 IN&KY/30 -- 621
 706. 1952 -- mumps, US PHS *Vital Statistics of US 1952: Vol. II, Mortality* (code 089) -- 55
 707. 1952 -- polio, esp. IL/258, TX/≥240, MI/218, CA/217, MN/200 OH, IA/163 KY/132 ~3,300
 708. 1952 -- rubella (German measles); US PHS *Vital Statistics 1952: Vol. II* code 086) -- 31
 709. 1952 -- scarlet fever & streptococcal sore throat, esp. MO/28, NY/22, OH/20, GA/19 -- 352
 710. 1952 -- tuberculosis (respiratory), esp. NY/2462, CA/1678, PA/1662, IL/1385, TX 22,700
 711. 1952 -- typhoid fever, *Vital Statistics-Mortality 1952* (040); esp. MS/7, TX/7, SC/6 -- 79
 712. 1952 -- typhus/other rickettsial diseases (codes 100-108), 17 States, esp. GA/6, SC/3-- 29
 713. 1952 -- whooping cough/pertussis, 16 states double digits, esp. TX/57 MS/30 AL/SC/24-- 406
714. 1953 -- chickenpox (varicella); Code 087, International List 6th Revision, 1948 -- 132
 715. 1953 -- diphtheria, esp. GA/19 SC/16 TX/15 FL/12 AL/10 (only states in double digits)-- 158
 716. 1953 -- dysentery, infectious, all forms (codes 045-048), esp. TX/268, MS/52, GA/41-- 886
 717. 1953 -- encephalitis, acute infectious (viral) -- 386
 718. 1953 -- influenza, esp. TX/716 OH/532 MO/484 PA/460 GA/427 TN/414 AL/393 --9,500

719.	1953 -- malaria, one to three deaths in 16 States, 9 in Texas	-- 33
720.	1953 -- measles, 23 states double digits, esp. TX/56 MO/27 CA/25 AR/24 PA/21 AK/20--	483
721.	1953 -- mumps (code 089)	-- 46
722.	1953 -- polio, especially CA, IL, MI, and NY	--1,450
723.	1953 -- rubella (German measles; code 086)	-- 17
724.	1953 -- scarlet fever and streptococcal sore throat, esp. TX/23 MO/21 NY/20 PA/19--	296
725.	1953 -- smallpox, Texas	-- 1
726.	1953 -- tuberculosis/respiratory, esp. NY/1983, PA/1428 CA/1383 IL/1235 TX/948 --	17,954
727.	1953 -- typhoid fever, <i>Vital Statistics-Mortality 1953</i> ; esp. TX/8 and AR/7	-- 53
728.	1953 -- typhus and other rickettsial diseases (codes 100-108), 14 States	-- 30
729.	1953 -- whooping cough/pertussis, 11 states double digits, esp. TX/19 KY/18 OH/17 --	271

DISEASES, especially communicable/infectious, esp. epidemics--Chronological--continued:

730.	1954 -- chickenpox (varicella); code 087, International List 6 th Revision, 1948	-- 120
731.	1954 -- diphtheria, esp. GA/24, SC/16, AL/14, FL/10, (only states in double digits)	-- 145
732.	1954 -- dysentery, infectious, all forms (codes 045-048), esp. TX/172 and MS/61	-- 655
733.	1954 -- encephalitis, acute infectious (viral); esp. NY/52 PA/31 MI/27 TX/26 CA/24--	407
734.	1954 -- influenza, esp. TX/228 AL/180 GA/162 PA/154 OH/143 TN/120 MO/104 --	2,696
735.	1954 -- malaria, one to three deaths in 17 States	-- 24
736.	1954 -- measles, 21 states double digits, esp. NY/36, TX/36, NC/35, PA/34, KY/27 --	524
737.	1954 -- mumps (code 089, International List, 6 th Revision, 1948)	-- 45
738.	1954 -- polio, acute; esp. TX/138 & CA/119; 33 other states double digit deaths	--1,389
739.	1954 -- scarlet fever/streptococcal sore throat, esp. TX/19, NY/18, PA/17, WI/15, IN/14	-- 263
740.	1954 -- tuberculosis (respiratory), esp. NY/1667, CA/1108, PA/1100, IL/939, TX/843	15,146
741.	1954 -- typhoid fever, Public Health Service, <i>Vital Statistics-Mortality 1954</i> ; esp. TX/6--	45
742.	1954 -- typhus and other rickettsial diseases, 15 States	-- 20
743.	1954 -- whooping cough/pertussis, 17 states double digits, esp. SC/29, KY/TX/24, MS/23--	375
744.	1955 -- chickenpox (varicella)	-- 88
745.	1955 -- diphtheria, especially AL/25, GA/18, TX/13, SC/11 (only double digit states)--	150
746.	1955 -- influenza, esp. OH/187 AL/183 GA/181 TX/169 PA/154 TN/136 MS/106 --	2,755
747.	1955 -- malaria, deaths in 11 States	-- 18
748.	1955 -- measles, 7 states double digits, esp. TX/35, CA/30, NY/28, AZ/25, NM/23 --	345
749.	1955 -- mumps	-- 43
750.	1955 -- polio (acute); all States, esp. MA/168 (Boston ~200), WI/166, NY/77, TX/76 --	1,043
751.	1955 -- rubella (German measles)	-- 8
752.	1955 -- scarlet fever/streptococcal sore throat, esp. NY/21, OH/12, MO/11, TX/11	-- 235
753.	1955 -- tuberculosis (respiratory), esp. NY/1642, PA/1239, CA/1076, IL/797, TX/736--	13,676
754.	1955 -- typhoid fever, US Public Health Service, <i>Vital Statistics-Mortality 1955</i>	-- 34
755.	1955 -- typhus & other rickettsial diseases, AL CO GA IN LA MD NJ NC SC TX VA--	15
756.	1955 -- whooping cough/pertussis, 15 states in double digit, esp. TX/59, MS/34, NC/31--	476
757.	1956 -- chickenpox	-- 116
758.	1956 -- diphtheria, especially TX (19), the only state with double digit death toll	-- 103
759.	1956 -- influenza, esp. PA/139, TX/153, OH/134, AL/130, GA/109, MS/100, TN/96, IL --	2,323

760. 1956 -- malaria -- 11
 761. 1956 -- measles, 21 states double digits, esp. IL/41 TX/31 OH/30 NC/29 PA/28, MI/26--530
 762. 1956 -- polio/acute, 15 states in double-digits, esp. TX/76, IL/71 CA/62 NY/29 WI/26--566
 763. 1956 -- scarlet fever/streptococcal sore throat, esp. TX/21, NY/14, OH/14, WV/12 -- 240
 764. 1956 -- tuberculosis (respiratory), esp. NY/1,577, PA/1,029, CA/938, IL/763, TX --12,978
 765. 1956 -- typhoid fever, US PHS, *Vital Statistics-Mortality 1956*, esp. TX/6, CA/5, KY/5--54
 766. 1956 -- typhus and other rickettsial diseases, 12 States -- 19
 767. 1956 -- whooping cough/pertussis, 8 states double digit deaths esp. TX/44 MS/41 GA/36-- 266

DISEASES, especially communicable/infectious, esp. epidemics - Chronological-continued:

768. 1957 -- chickenpox -- 113
 769. 1957 -- diphtheria, especially TX (11), GA (8), AL (6), FL and NY (5) -- 81
 770. 1957 -- influenza, esp. PA/476, NY/471, TX/459, OH/437, GA/341, NC/318, TN/294 --7,463
 771. 1957 -- malaria -- 14
 772. 1957 -- measles, esp. CA/37, TX/32, MI/22, GA/20, AL/AZ/NM/15, MN & TN/14 -- 389
 773. 1957 -- polio, acute; double digit states: CA/22, IL/17, IN/11, MI/14, OH/13, TX/38-- 221
 774. 1957 -- scarlet fever/streptococcal sore throat, esp. TX/15 MO/14, NY/13, OH & PA/12-- 213
 775. 1957 -- tuberculosis (respiratory), esp. NY/1493, PA/959, CA/833, TX/733, IL/673 --12,384
 776. 1957 -- typhoid fever, US PHS, *Vital Statistics-Mortality 1957*, esp. TX (6) -- 34
 777. 1957 -- typhus and other rickettsial diseases -- 26
 778. 1957 -- whooping cough/pertussis, esp. TX/25, SC/18, MS/14, KY & PA/13, NC/12-- 183
 779. 1957-58, esp. fall-spring -- H2N2 “Asian” influenza and pneumonia Pandemic ~116,000
 780. 1958 -- chickenpox (varicella) -- 146
 781. 1958 -- diphtheria, especially GA (9), TX (8) and MS (6) -- 74
 782. 1958 -- influenza, esp. TX/415, AL/275, OH/260, TN/230, GA/206, MS/199, PA/199--4,442
 783. 1958 -- measles, esp. TX/50, OH/36, IL/34, NY/NC/PA/28 each, KY, 23, IN/20 -- 552
 784. 1958 -- mumps, U.S. Public Health Service, *Vital Statistics-Mortality 1958*, p. 94 -- 37
 785. 1958 -- polio (acute), esp. MI/36, OH/20, TX/20, CA/13, MO/12, IL/NY/PA/WV/11 each-- 255
 786. 1958 -- rubella (German measles) -- 24
 787. 1958 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10) -- 138
 788. 1958 -- tuberculosis, esp. NY/1,380, PA/1013, CA/872, IL/725, TX/721, OH/550 --12,361
 789. 1958 -- typhoid fever/23, U.S. Public Health Service, *Vital Statistics-Mortality 1958*-- 23
 790. 1958 -- whooping cough/pertussis), esp. children, esp. TX/24, CA/15 SC/15 KY/13 -- 177
 791. 1959 -- chickenpox -- 141
 792. 1959 -- diphtheria, especially AL (9), LA (7), TX (7), SC (6), FL (5) -- 72
 793. 1959 -- influenza,²⁶⁸ esp. TX/191, TN/133, OH/126, NY/126 IN/119 MI/108 GA/104 CA--2,845
 794. 1959 -- measles, especially children, esp. PA/36 CA/31 TX/27 MO/19 IL/NJ/NY/16-- 385
 795. 1959 -- polio (acute, as opposed to late effects of), esp. NY/49, MO/34, IA/22 -- 454
 796. 1959 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10) -- 130
 797. 1959 -- tuberculosis, esp. NY/1,316, PA/981, CA/815, IL/643, TX,633, OH/527 --11,456
 798. 1959 -- typhoid fever/22 & paratyphoid fever/72; PHS, *Vital Statistics-Mortality 1959*-- 94

²⁶⁸ Distinct from the 52,195 pneumonia deaths (codes 490-493) noted in the Table 78, p. 406.

799. 1959 -- whooping cough (pertussis), especially children, esp. TX/48, SC/22, GA/18 -- 269

DISEASES, especially communicable/infectious, esp. epidemics--Chronological--continued:

800.	1960 -- chickenpox (varicella)	-- 126
801.	1960 -- diphtheria, especially TX (only State in double digits -- 20)	-- 69
802.	1960 -- hepatitis, infectious	-- 938
803.	1960 -- influenza, US death rate 4.4 per 100K; esp. AL/11.5, SC/11.2, MS/10.9	--7,872
804.	1960 -- measles, especially children, esp. TX/52, NY/31, LA/21, IL/18, MI/17 OH/17--	380
805.	1960 -- mumps	-- 42
806.	1960 -- polio (acute, as opposed to late effects), especially NY/26, CA/24, TX/14, PA--	230
807.	1960 -- rubella (German measles)	-- 12
808.	1960 -- scarlet fever and streptococcal sore throat, especially TX (13) and KY (12)	-- 108
809.	1960 -- tuberculosis, death rate 6.1 per 100K; esp. AZ/12.1, DC/11.8, KY/10.7	--10,866
810.	1960 -- typhoid fever/21, paratyphoid fever/8; PHS, <i>Vital Statistics-Mortality 1960</i>	-- 29
811.	1960 -- whooping cough (pertussis), especially children, especially TX (22)	-- 118
812.	1961 -- chickenpox (varicella)	-- 167
813.	1961 -- diphtheria, especially TX (only State in double digits -- 23)	-- 68
814.	1961 -- hepatitis, infectious	-- 976
815.	1961 -- influenza, US death rate 1.2 per 100K; esp. AK/3.3, KS/ME/NE at 2.7	--2,137
816.	1961 -- measles; US death rate 0.2 per 100K; AK/6.0, AR/0.7, KY/0.7, SC/06	-- 434
817.	1961 -- mumps	-- 53
818.	1961 -- polio, acute (as opposed to late effects), 33 States, esp. mid-Atlantic, esp. NY/15--	90
819.	1961 -- rubella (German measles)	-- 14
820.	1961 -- scarlet fever and streptococcal sore throat, especially CA, TN, TX (10 each)--	130
821.	1961 -- tuberculosis, US death rate 5.4 per 100K; esp. DC/13. KY/10, AR/10.6, AZ/9.4	--9,938
822.	1961 -- typhoid fever (17) and paratyphoid fever (7)	-- 24
823.	1961 -- whooping cough (pertussis), especially children, especially AL (10)	-- 76
824.	1962 -- chickenpox (varicella)	-- 134
825.	1962 -- diphtheria, especially Texas (9)	-- 41
826.	1962 -- influenza, ²⁶⁹ US death rate 1.8 per 100K; esp. NE/5, TN/5, MS/4.2, SC/4	--3,431
827.	1962 -- measles, death rate 0.2 per 100K, esp. AK/4.5, AZ/0.9, TX/0.6, LA/TN/0.5	-- 408
828.	1962 -- mumps	-- 43
829.	1962 -- polio (acute), especially children	-- 60
830.	1962 -- scarlet fever and streptococcal sore throat, especially TX (10)	-- 102
831.	1962 -- tuberculosis, death rate 5.1 per 100K; esp. DC/11.9, KY/9.8, AZ&AR/9.7	--9,508
832.	1962 -- typhoid fever/15 and paratyphoid fever/7; PHS, <i>Vital Statistics-Mortality 1962</i> --	22
833.	1962 -- whooping cough (pertussis), especially children, esp. AK/7, MS/7, SC/7	-- 83
834.	1963 -- chickenpox (varicella)	-- 129
835.	1963 -- diphtheria, especially GA (5) and TX (5)	-- 45
836.	1963 -- dysentery, all, esp. TX/65, CA/27, AZ/25, MS/15, GA/14, IL/13, NM/13	-- 294
837.	1963 -- influenza, ²⁷⁰ US death rate 3.8; SC/11.9, KY/11.6, WV/11, MS/10.9 TN/9.3--	7,083

²⁶⁹ Distinct from the 56,564 pneumonia deaths noted in the next column in Table 1-12, p. 1-20..

838. 1963 -- measles, esp. MI/27 TX/25 AZ/24 CA/22 WI/19 OH/18 PA/15 NY/14 AK/13 -- 364
 839. 1963 -- mumps -- 48
 840. 1963 -- polio, acute; not including late effects of poliomyelitis, esp. children, esp. CA/5-- 41
 841. 1963 -- rubella (German measles) -- 16
 842. 1963 -- scarlet fever and streptococcal sore throat, esp. TX (12) and IL (7) -- 102
 843. 1963 -- tuberculosis, US death rate 4.9; esp. DC/12.3, AZ/9.7, WV/8.6, KY/8.7 WV/8.6 --9,311
 844. 1963 -- typhoid fever/21 & paratyphoid fever/7; PHS, Vital Statistics-Mortality 1963-- 28
 845. 1963 -- whooping cough (pertussis), esp. children, especially TX/18, LA/9, GA/8 -- 115

DISEASES, especially communicable/infectious, esp. epidemics--Chronological--continued:

846. 1964 -- diphtheria, especially Texas (10) -- 42
 847. 1964 -- dysentery, all forms, esp. TX/59, CA/25, MS/25, GA/17, NC/11, TN/10 -- 283
 848. 1964 -- influenza,²⁷¹ US death rate 0.9 per 100K, esp. MT/4.0 WA/3.8 NE/3.6 ND/3.1 --1,687
 849. 1954 -- malaria, one to three deaths each in 17 States -- 24
 850. 1964 -- measles, esp. TX/68 CA/34 NY/30 MS/25 KY/21 TN/20 IL/17 SC/17 NC/15-- 421
 851. 1964 -- polio, acute/17, and late effects of acute poliomyelitis/115 -- 132
 852. 1964 -- scarlet fever & streptococcal sore throat, esp. MO/6 OH/6, FL/GA/KY/NY/PA/5 each--95
 853. 1964 -- typhoid fever/14 and paratyphoid fever/67; PHS, Vital Statistics, 1964 -- 81
 854. 1964 -- June 27-Oct 3, St. Louis Encephalitis epidemic, Houston/33; elsewhere/24²⁷²-- 57
 855. 1964 -- tuberculosis, US death rate 4.3; esp. DC/12, AZ/9, AL/7.4, WV/7.2, TN/7.0 --8,303
 856. 1964 -- whooping cough (pertussis), especially children, especially SC/11 and TX/11-- 93
 857. 1964-65 -- rubella (German measles), last major US rubella epidemic, esp. newborn--2,100
 858. 1965 -- chickenpox (varicella) -- 143
 859. 1965 -- diphtheria, especially Alabama (5) -- 18
 860. 1965 -- hepatitis, infectious, US death rate 0.4 per 100,000 population -- 707
 861. 1965 -- influenza, death rate 1.2 per 100K, esp. ME/5.0, KS/4.0, NE/3.6, VE/3.3 --2,295
 862. 1965 -- measles, esp. TX (42), GA (16), LA (16), OH (13), PA (12), AL (11), CA/11-- 276
 863. 1965 -- mumps -- 31
 864. 1965 -- polio, acute (does not include late effects of poliomyelitis), especially TX (4)-- 16
 865. 1965 -- scarlet fever and streptococcal sore throat, esp. TX/7, GA/NC/SC/ 4 each -- 63
 866. 1965 -- tuberculosis, US death rate 4.1 per 100K; DC/12.7, AL/7.5, AZ/7.5, NM/6.6--7,934
 867. 1965 -- whooping cough (pertussis), especially children, especially SC/7, TX/7, CA/5-- 55
 868. 1965 -- July 27-Aug, "Legionnaires' Disease" outbreak, St. Elizabeth's Hospital, DC-- 14
 869. 1966 -- diphtheria, especially TX (6) -- 20
 870. 1966 -- dysentery, especially TX (31), GA (12), CA (11), MS (11), NM (10) -- 172
 871. 1966 -- influenza (pneumonia deaths were 60,785), esp. CA/636, WA/154, OR/134 --2,830
 1966 -- leprosy (Hansen's disease) -- 6
 872. 1966 -- measles, esp. TX/36, IL/27, CA/19, SC/14, NY/12, AZ/MS/PA/TN/10 each -- 261

²⁷⁰ Distinct from the 63,678 pneumonia deaths noted in the next column in Table 1-12.

²⁷¹ Distinct from the 51,764 pneumonia deaths noted in the next column in Table 1-14.

²⁷² Some non-Houston deaths, such as some of five in Hale County, TX, area may have been Western Encephalitis. Two deaths in CO, 3 in IL, 2 deaths for IN, 1 in KY, 8 in NJ, 2 in PA, and 1 in TN.

873. 1966 -- meningococcal Infections, esp. CA/109, TX/59, OH/50, NY/40, NC/38 -- 876
 874. 1966 -- scarlet fever and streptococcal sore throat, especially TX (12), NY (10) -- 65
 875. 1966 -- tuberculosis, esp. NY/844, PA/589, CA/537, IL/410, TX/404, OH/340, MI --7,625
 876. 1966 -- typhoid fever, AL/AZ/AR/GA/KY/MD/MS/NE/NY/OH/OK/SC/TN/TX --15-16
 877. 1966 -- whooping cough, especially West South Central (18), especially TX (9) -- 49

DISEASES, especially communicable/infectious, esp. epidemics--Chronological--continued:

878. 1967 -- chickenpox -- 118
 879. 1967 -- diphtheria -- 32
 880. 1967 -- infectious hepatitis -- 844
 881. 1967 -- influenza (as distinguished from pneumonia 55,417) --1,475
 882. 1967 -- measles -- 81
 883. 1967 -- meningococcal infections -- 635
 884. 1967 -- mumps -- 37
 885. 1967 -- polio, acute and late effects of -- 121
 886. 1967 -- rubella (German measles) -- 16
 887. 1967 -- scarlet fever and streptococcal sore throat -- 47
 888. 1967 -- syphilis --2,381
 889. 1967 -- tuberculosis --6,901
 890. 1967 -- typhoid fever -- 12
 891. 1967 -- whooping cough -- 37
892. 1968 -- chickenpox; ICD-8 code 052; esp. NY/10, TX/9, CA/8, MI/OH/PA/6 each -- 99
 893. 1968 -- diphtheria (ICD-8 code 032), esp. TX/11, LA/6, AL/AZ/FL/GA/2, CA/KY/MI/NM/NY/1--30
 894. 1968 -- influenza, ICD-8 codes 470-474/death rate 3.5 per 100K, esp. VE/15.0, NE/9.1 --7,062
 895. 1968 -- measles, ICD-8 code 055; AL/AZ/CA/CO/IL/MO/NY/NC/OH/OK/OR/PA/RI/SC/TN/TX/WV--24
 896. 1968 -- mumps; ICD-8 code 072; especially CA (5) -- 25
 897. 1968 -- polio; ICD-8 codes 040-044; esp. CA/15, TX/12, NY/8, OH/8, MI/7, FL/6 -- 130
 898. 1968 -- rubella (German measles), ICD-8 code 056, esp. CA (5) -- 24
 899. 1968 -- tuberculosis, US death rate 3.2 per 100K, esp. DC/10.9, AZ/6.2, AL/6., WV/6.--6,292
 900. 1968 -- typhoid/paratyphoid fever; ICD-8 code 001-002; CA/DC/GA/IL/MD/NJ/NM/NC/OK/TX/WV--12
 901. 1968 -- whooping cough/pertussis; ICD-8 code 033; especially TX (8) -- 36
 902. 1968 -- Sep-March 1969), A2 "Hong Kong" influenza (and pneumonia) epidemic --33,800
903. 1969 -- chickenpox; ICD-8 code 052; especially FL (7), CA, MO, NJ, NY (5 each) -- 81
 904. 1969 -- diphtheria (ICD-8 code 032), esp. TX/8, LA/4, WA/3, AZ/CA/FL/SC/2, NY/OR/1-- 25
 905. 1969 -- influenza, ICD-8 codes 470-474/death rate 2.96 per 100K, esp. KS/6.6, SC/6., MT/6.--5,971
 906. 1969 -- malaria, ICD-8 codes 084.0-084.9; CA/PA/WI (2 each), CT/FL/MI/TN/TX/1 ea.-- 11
 907. 1969 -- measles/rubeola; ICD-8 code 055; esp. IL/TX/VA (4 each), AZ/CA/IA (3 each)-- 41
 908. 1969 -- mumps; ICD-8 code 072; especially NY (4) -- 22
 909. 1969 -- polio; ICD-8 codes 040-044; especially CA/17, OH/10, FL/8, TX/7, MO/WI-- 110
 910. 1969 -- rubella (German measles), ICD-8 code 056, esp. CA/5, NY/4 -- 29
 911. 1969 -- tuberculosis, US death rate 2.76 per 100K, esp. DC/9.6, AZ/6.0, AL/5.9 --5,567
 912. 1969 -- whooping cough/pertussis; ICD-8 code 033; TX/4, AZ/CA/CO/IL/KY/MS/TN/VA/WI/1-- 13

913. 1970 -- chickenpox; ICD-8 code 052; especially CA/10, NY/9, TX/7, MI/6 -- 93
 914. 1970 -- diphtheria (ICD-8 code 032), esp./ TX/6, AZ/5, LA/4K, CA/3, GA/2, MT/2 -- 30
 915. 1970 -- influenza, ICD-8 codes 470-474/death rate 1.82 per 100K, esp. VT/7.6, ME/5.6, MS/5.2 --3,707
 916. 1970 -- measles/rubeola; ICD-8 code 055; esp. TX/17, IL/9, OH/6, FL/5 -- 89
 917. 1970 -- mumps; ICD-8 code 072; MI/NY/NC/2 ea., AR/CA/IL/ME/ND/OH/TX/VA/WA/WI/1 ea.-- 16
 918. 1970 -- rubella (German measles), ICD-8 code 056, esp. TX/6 CA/3 AR/OH/WA/2 ea.-- 31
 919. 1970 -- tuberculosis, US death rate 2.56 per 100K, esp. DC/6.8 AL/5.0 WV/4.5 KY/4.3 --5,217
 920. 1970 -- whooping cough/pertussis; ICD-8 code 033; CA/3, IL/IN/KY/MS/NC/OR/PA/SC/TX-- 12

DISEASES, especially communicable/infectious, esp. epidemics--**Chronological**--continued:

921. 1971 -- chickenpox; ICD-8 code 052; especially CA/16, TX/9, IL/6, NY/6 -- 98
 922. 1971 -- diphtheria (ICD-8 code 032), AK/CA/LA/TX 2 each, FL/GA/KS/MN/PA 1 each-13
 923. 1971 -- influenza, ICD-8 codes 470-474/death rate 0.73 per 100K, esp. ME/2.9, NE & WA/1.9--1,504
 1971 -- malaria; ICD-8 code 084; AL, AR, CA, OH, OK, SC (1 each) -- 6
 924. 1971 -- measles/rubeola; ICD-8 code 055; esp. MO/10, TX/8, PA/7, AL/5, KY/5, OH/5-- 90
 925. 1971 -- mumps; ICD-8 code 072; AL, CA, ID, IL, IN KS MS NE NJ NY OR TN TX-- 15
 926. 1971 -- polio; ICD-8 codes 040-044; especially CA/13, NY/11, TX/8, PA/7, NC/5 -- 108
 1971 -- scarlet fever; ICD-8 code 34.1; IN/1, IA/1, NC/1, TX/1 -- 4
 927. 1971 -- rubella/German measles; ICD-8 code 056; AL CA GA HI IL IN IA LA MA NC OK PA TN TX-- 20
 928. 1971 -- tuberculosis, US death rate 2.18 per 100K, esp. DC/5.8 AL/4.1 TN/3.5 AZ/3 --4,501
 929. 1971 -- whooping cough/pertussis; ICD-8 code 033; KY/4, LA/OK/TX/2, AL/GA/IA/MS/NY/OH/SC/1--18
930. 1972 -- chickenpox; especially CA/12, NY/12, OH/12 TX/10 NJ/8 FL/6 MA/6 MI/6-- 122
 931. 1972 -- diphtheria (ICD-8 code 032), AK/2, NE/2, NY/2, WA/4 -- 10
 932. 1972 -- influenza, ICD-8 codes 470-474/death rate 2.38 per 100K, esp. SD/8.9 ME/8.7 --4,986
 933. 1972 -- measles/rubeola; ICD-8 code 055; esp. MS/6 & TX/4; & CA/FL/GA/IL/KY/ME/TN-- 24
 934. 1972 -- mumps; ICD-8 code 072; TX/4, CA/2, IN/2, NY/2, PA/2, UT/2, WV/2 -- 16
 935. 1972 -- polio; ICD-8 codes 040-044; esp. CA/18, FL/6 and NY/6 -- 76
 936. 1972 -- rubella (German measles), ICD-8 code 056, CA IN LA MA NE NY OH 2 each-- 14
 937. 1972 -- tuberculosis, US death rate 2.09 per 100K, esp. DC/4.8 DE/4.2 AL/3.9 NM/3.9 --4,376
 1972 -- typhoid fever; ICD-8 code 001 (typhoid fever); MD/2, MI/2, TX/4 -- 8
 1972 -- whooping cough (pertussis; ICD-8 code 033); NJ/2, SC/2, WA/2 -- 6
938. 1973 -- chickenpox; esp. TX/21, CA/10, IL/10, PA/9, NY/8, IA/7, MA/7, MI/7, MT/5-- 138
 939. 1973 -- diphtheria (ICD-8 code 032), CA/2, FL/1, MA/1, NM/2, OR/3, WA/1 -- 10
 940. 1973 -- influenza, ICD-8 codes 470-74/death rate 2.4 per 100K, esp. ID/7.4 WY/7.4 WA/7.2 --5,131
 1973 -- malaria, ICD-10 Code 084, FA/1, IL/2, IN/1, MI/1, NJ/1, ND/1 -- 7
 941. 1973 -- measles/rubeola; ICD-8 code 055; esp. CA/2, FL/2, IL/2, MI/2 -- 23
 942. 1973 -- polio; ICD-8 codes 040-044; esp. CA/8, NY/7, TX/6, MA/5, WV/5 -- 93
 943. 1973 -- rubella (German measles), ICD-8 code 056, esp. MI (4), CA (3), TX (2) -- 16
 944. 1973 -- tuberculosis, US death rate 1.84 per 100K, esp. DC/5.0 TN/2.9 AL/2.8 WV/2.8 --3,875
945. 1974 -- chickenpox; US death rate 0.050 per 100K, especially CA/10, MA/7, NY/7 -- 106
 1974 -- diphtheria; ICD-8 code 032; CA (1), CO (1), TX (2), WA (1) -- 5
 946. 1974 -- influenza, ICD-8 codes 470-474, death rate 1.30 per 100K, esp. KS/3.48 --2,201

1974 -- malaria; ICD-8 code 084.0-085.5, 084.8 and 084.9; IN, MN, NY, PA 1 each-- 4
 947. 1974 -- measles/rubeola; ICD-8 code 055; esp. CA/2, NY/2, SD/2, TX/2 -- 20
 948. 1974 -- mumps; ICD-8 code 072; AL, LA, MA, MO, OR, WA 1 each -- 6
 949. 1974 -- polio; acute poliomyelitis/ICD-8 codes 040-044; especially CA (10), NY (9)-- 89
 950. 1974 -- rubella (German measles), ICD-8 code 056, esp. AL (3), AZ (2), MA (2) -- 15
 951. 1974 -- tuberculosis, US death rate 1.65 per 100K, esp. DC/5.1, KY/2.8, TN/2.6 --3,513
 952. 1974 -- whooping cough (pertussis; ICD-8 code 033.0); esp. CA/2, KY/2, MI/2, NY/3-- 14

Diseases – Chronological – continued:

953. 1975 -- chickenpox; US death rate 0.039 per 100K, esp. NY/8, CA/6, TX/6, CT/5 -- 83
 1975 -- diphtheria; ICD-8 code 032, AK (1), AZ (1), VA (1), CO (1), IL (1) -- 5
 954. 1975 -- influenza, ICD-8 codes 470-474, death rate 1.986 pre 100K, esp. KS/6.317 --4,277
 955. 1975 -- measles/rubeola; ICD-8 code 055; especially IL (4), CA (3), TX (3) -- 20
 1975 -- mumps; ICD-8 code 072; CA, LA, NC, OH, TX, VA, WI and WY 1 each -- 8
 956. 1975 -- polio (acute poliomyelitis, ICD-8 codes 040-044), especially CA (9), NY (6)-- 78
 957. 1975 -- rubella/German measles; ICD-8 code 056; esp. IL/3, LA/3, CA/2, PA/2 -- 21
 958. 1975 -- St. Louis Encephalitis outbreak, IL (47), also MS (13) -- 60
 959. 1975 -- tuberculosis, US death rate 1.55 per 100K, esp. DC/3.8, KY/2.74, TN/2.72 --3,333
 1975 -- whooping cough (pertussis; ICD-8 code 033.0); MO/2 FL GA IL IN MI TX, 1 each-- 8

 960. 1976 -- chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7 -- 106
 961. 1976 -- influenza, ICD-8 codes 470-474, death rate 3.6 per 100K, esp. NE/12.9 --7,877
 962. 1976 -- measles/rubeola/12 and German measles/rubella/12; ICD8 codes 055 & 056-- 24
 963. 1976 -- polio (acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6 -- 90
 964. 1976 -- tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6 --3,130
 1976 -- whooping cough, NY (2), FL, MS, OH, OK, WI, one each -- 7
 965. 1976 -- July-Aug, Legionella pneumophila (Legionnaires' Disease), Philadelphia, PA --29-34
 966. 1976 -- Nov-Jan 77, Guillain-Barré syndrome outbreak, some blamed on swine flu vaccine--58

 967. 1977 -- chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each -- 89
 968. 1977 -- German measles (rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1-- 17
 969. 1977 -- influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98--1,304
 970. 1977 -- Legionella pneumophila (Legionnaires'), sum-fall esp., CA/2 OH/1 TN/3 VT/17-32
 971. 1977 -- measles (Rubeola), CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1 -- 15
 972. 1977 -- polio (acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K -- 100
 973. 1977 -- tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2 --2,968
 974. 1977 -- whooping cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each -- 10

 975. 1978 -- chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT -- 91
 976. 1978 -- German measles (rubella), ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI -- 10
 977. 1978 -- influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7 --4,052
 978. 1978 -- measles (Rubeola), ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OH/TX/VA-- 11
 979. 1978 -- polio (acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K -- 95
 980. 1978 -- tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914

981. 1979 -- chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5 -- 103
 982. 1979 -- influenza, US death rate 0.27 per 100K, esp. ID/1.18, NE/1.15, KS/.98, WA/.85-- 604
 1979 -- measles, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each) -- 7
 983. 1979 -- tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
 1979 -- typhoid & paratyphoid fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX-- 5

Diseases – Chronological – continued:

984. 1980 -- chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5 -- 78
 985. 1980 -- influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
 986. 1980 -- measles, ICD-9 code 055; CA/2, NJ/2, NY/2, KS/MN/OK/PA/TN (1 each) -- 11
 1980 -- plague (All forms/5, bubonic/2), New Mexico (3), CA (1), NV (1) -- 5
 1980 -- polio, DE (1), NY (2), OH (2), PA (1) -- 6
 987. 1980 -- tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74 --1,978
 988. 1980 -- whooping cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NY/PA/VA -- 11
989. 1981 -- chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5 -- 84
 990. 1981 -- HIV AIDS (Human Immunodeficiency Virus Infection/Acquired Immune Deficiency Syndrome) -- 234
 991. 1981 -- influenza, US death rate 1.31 per 100K, esp. SD/4.2, IA/3.5, UT/3.3, VT/3.3 --3,006
 1981 -- measles, US death rate 0.003 per 100K; CA/FL/IN/MA/WA (1 each), OH/2 -- 6
 992. 1981 -- tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43 --1,937
 1981 -- whooping cough/pertussis, one death each: CO, GA, KY, ND, WA, WI -- 6
993. 1982 -- chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6 -- 61
 994. 1982 -- HIV AIDS, U.S. -- 618
 995. 1982 -- influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34 -- 727
 1982 -- measles, US death rate 0.003 per 100K; AZ, KY, MI, MS, NH, NY -- 6
 1982 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4 --1,807
996. 1983 -- chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5 -- 57
 997. 1983 -- HIV AIDS, New York City (425), U.S. --1,500
 998. 1983 -- influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
 999. 1983 -- tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2 --1,779
1000. 1984 -- chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5 -- 53
 1001. 1984 -- HIV AIDS, New York City (952) --3,578
 1002. 1984 -- influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 --1,096
 1003. 1984 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA and NY (8 each) -- 95
 1004. 1984 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729
1005. 1985 -- chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10 -- 68
 1006. 1985 -- HIV AIDS, New York City (1,663), U.S. --6,903
 1007. 1985 -- influenza, death rate 0.86 per 100K, esp. NE/4.1, MT/2.8, IA/2.6, KS/2.4, WY/2.2 --2,054
 1008. 1985 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000 -- 13
 1985 -- measles, AZ (1); IL (1); ME (1); MA (1) -- 4
 1009. 1985 -- meningococcal meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5 -- 88

1010. 1985 -- tuberculosis, US death rate 0.74 per 100K, esp. DC/3.46, GA/1.34, AL/1.23 --1,752

Diseases – Chronological – continued:

1011. 1986 -- chickenpox; US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5) -- 47

1012. 1986 -- HIV AIDS, New York City (2,650), U.S. 12,053

1013. 1986 -- influenza, US death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84 --1,838

1014. 1986 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA (13), NY (10) -- 88

1015. 1986 -- tuberculosis, death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34 --1,782

1016. 1987 -- chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10) -- 89

1017. 1987 -- HIV Infection/AIDS, death rate 5.55, esp. DC/28.1, NY/19.1, NJ/13.7, CA/9.5--13,468

1018. 1987 -- influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632

1019. 1987 -- meningococcal meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13-- 64

1020. 1987 -- tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755

1021. 1988 -- chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/018 (1) -- 83

1022. 1988 -- HIV AIDS, US death rate 6.8, DC/39., NY/22.2, NJ/114.9, FL/11.7, CA/11.-16,602

1023. 1988 -- influenza, US death rate 0.79 per 100K; esp. ID/3.7, IA/2.5, MT/2.6, SD/3.3 --1,943

1024. 1988 -- meningococcal meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13-- 87

1025. 1988 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48 --1,921

1988 -- measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1 -- 3

1026. 1989 -- chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10) -- 89

1027. 1989 -- HIV AIDS, US death rate 8.9, DC/55.7, NY/25.6, NJ/19.6, FL/16.1, CA/15-22,082

1028. 1989 -- influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593

1029. 1989 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000 -- 11

1030. 1989 -- measles, CDC reports 17,850 cases in 47 States and DC --45-62

1031. 1989 -- meningococcal meningitis, ICD-9 code 036.0, especially CA/20, NY/13 -- 88

1032. 1989 -- tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34 --1,970

1033. 1989 -- whooping cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old) -- 12

1034. 1990 -- chickenpox, US death rate 0.05 per 100K, esp. CA/26, NY/14, TX/10 -- 120

1035. 1990 -- influenza, US death rate 0.84 per 100K; esp. NE//3.5; IA/3.1; ID/2.3; SD/2.3 --2,098

1036. 1990 -- measles resurgence (largest loss of life since 1971), esp. young children --79-108

1037. 1990 -- meningococcal meningitis, ICD-9 code 036.0, especially CA, 13 deaths -- 72

1038. 1990 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48 --1,810

1039. 1990 -- whooping cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old) -- 12

1040. 1991 -- chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths) -- 81

1041. 1991 -- influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54 --1,137

1042. 1991 -- measles resurgence, especially CA (8); NY (15); and PA (9) -- 38

1043. 1991 -- meningococcal meningitis, US death rate 0.02 per 100K, CA 0.03/10 deaths-- 59

1044. 1991 -- tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32. NY/1.62; AR/1.17 --1,713

1045. 1992 -- chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07 -- 100

1046. 1992 -- influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27 --1,006
 1047. 1992 -- measles, especially young children -- 3-11
 1048. 1992 -- meningococcal meningitis, US death rate 0.02 per 100K -- 61
 1049. 1992 -- tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33 --1,705

Diseases – Chronological – continued:

1050. 1993 -- chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16) -- 100
 1051. 1993 -- influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37--1,044
 1052. 1993 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000 -- 12
 1053. 1993 -- meningococcal meningitis, US death rate 0.10 per 100K; esp. CA & GA, 0.14-- 260
 1054. 1993 -- tuberculosis (US death rate 0.63 per 100K), esp. DC/2.51 and NY/1.16 --1,631
 1055. 1993 -- Apr-Dec, hantavirus pulmonary syndrome, esp. Native Americans, NM/AZ-- 32
1056. 1994 -- chickenpox, especially CA (17), MI (10), NY (10) and TX (48) -- 124
 1057. 1994 -- influenza, US death rate 0.47 per 100K; esp. SD/2.6; MT/1.7; IA/ 1.5; NE/1.22--1,229
 1058. 1994 -- meningococcal meningitis, ICD-9 code 36.0; death rate 0.10 per 100K; esp. CO -- 276
 1059. 1994 -- shigellosis (infectious diarrhea / bacillary dysentery) ICD-9 code 004.0 -- 13
 1060. 1994 -- tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86 --1,478
1061. 1995 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
 1062. 1995 -- chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12) -- 115
 1063. 1995 -- influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32 -- 606
 1064. 1995 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03 -- 82
 1065. 1995 -- tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89 --1,336
- 1996 -- adenovirus infection, ICD-10 code B34.0, death rate 0.002 per 100,000 -- 6
 1066. 1996 -- chickenpox (varicella), ICD-9 code 052 -- 81
 1067. 1996 -- influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616) -- 745
 1068. 1996 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03 -- 82
 1069. 1996 -- tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92 --1,202
1070. 1997 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
 1071. 1997 -- chickenpox (varicella), ICD-9 code 052, especially CA (12) -- 99
 1072. 1997 -- influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99) -- 720
 1073. 1997 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12 -- 89
 1074. 1997 -- tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99 --1,166
1075. 1998 -- adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000 -- 16
 1076. 1998 -- chickenpox (varicella), ICD-9 code 052, especially CA (10) -- 81
 1077. 1998 -- infectious colitis, enteritis, gastroenteritis, ICD-9 code 009.0, death rate 0.124 per 100K-- 342
 1078. 1998 -- influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) --1,724
 1079. 1998 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13) -- 73
 1080. 1998 -- tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 --1,112
1081. 1999 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11

1082.	1999 -- chickenpox (varicella), ICD-10 code B01	--	48
1083.	1999 -- diarrhoea and gastroenteritis of infectious origin; no State with 10 deaths	--	96
1084.	1999 -- influenza, ICD-10 codes J09-11.8; US death rate 0.597 per 100K; esp. SD/4.913	--	1,665
1085.	1999 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10)	--	67
1086.	1999 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, no state \geq 10 deaths	--	55
1087.	1999 -- tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608	--	930

Diseases – Chronological (continued):

1088.	2000 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	11
1089.	2000 -- chickenpox (varicella), ICD-10 code B01	--	44
1090.	2000 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	--	65
1091.	2000 -- influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05)	--	1,765
1092.	2000 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15)	--	71
1093.	2000 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11)	--	74
1094.	2000 -- tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559	--	776
1095.	2000 -- whooping cough (ICD-10 code A37.0), (all under 1 year-old)	--	12
1096.	2001 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
1097.	2001 -- chickenpox (varicella), ICD-10 code B01	--	26
1098.	2001 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	--	56
1099.	2001 -- influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20)	--	257
	2001 -- malaria, ICD-10 codes B50-B54, death rate 0.003 per 100,000	--	9
1100.	2001 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	--	61
1101.	2001 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	75
1102.	2001 -- tuberculosis, ICD-10 code A16-19, death rate 0.268 per 100K, esp. DC, 1.741	--	764
1103.	2001 -- whooping cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old)	--	17
1104.	2002 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
1105.	2002 -- chickenpox (varicella), ICD-10 code B01	--	32
1106.	2002 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/12 (above avg. .034 death rate)	--	93
1107.	2002 -- influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. SD (2.237)	--	727
1108.	2002 -- malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths	--	12
1109.	2002 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	--	53
1110.	2002 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	78
1111.	2002 -- tuberculosis, ICD-10 code A16-19, death rate .273 per 100K, esp. AR, .443	--	784
1112.	2002 -- whooping cough (ICD-10 code A37.0), all 18 under 1 year-old	--	18
	2003 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	8
1113.	2003 -- chickenpox (varicella), ICD-10 code B01	--	16
1114.	2003 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/17, (above avg. death rate)	--	98
1115.	2003 -- influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661)	--	1,792
1116.	2003 -- meningococcal meningitis, ICD-10 code A39.0, CA only state over 9 deaths	--	49
1117.	2003 -- streptococcal toxic shock syndrome, ICD-10 code A48.3	--	71
1118.	2003 -- tuberculosis, ICD-10 code A16-19, death rate 0.25 per 100K, esp. LA, 0.49	--	711
1119.	2003 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	11

Diseases – Chronological – continued:

2004 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	9
1120. 2004 -- chickenpox (varicella), ICD-10 code B01	--	19
1121. 2004 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/10, IL/10 (above avg. death rate)--	111	
1122. 2004 -- influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827)	--	1,100
1123. 2004 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	38
1124. 2004 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	71
1125. 2004 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36	--	57
1126. 2004 -- whooping cough (ICD-10 code A37.0), 15 under 1 year-old	--	16
1127. 2005 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
1128. 2005 -- chickenpox (varicella), ICD-10 code B01	--	13
1129. 2005 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate)--	132	
1130. 2005 -- influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513)	--	1,812
1131. 2005 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	27
1132. 2005 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	55
1133. 2005 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. LA, 0.39	--	648
1134. 2005 -- whooping cough (ICD-10 code A37.0), 28 under 1 year-old	--	31
1135. 2006 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
1136. 2006 -- chickenpox (varicella), ICD-10 code B01	--	18
1137. 2006 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/20, PA/14 (above avg. death rate)	--	149
1138. 2006 -- influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605)	--	849
1139. 2006 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	32
1140. 2006 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	57
1141. 2006 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33	--	652
1142. 2007 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
1143. 2007 -- chickenpox (varicella), ICD-10 code B01	--	14
1144. 2007 -- diarrhoea/gastroenteritis, infectious origin, esp. IL/10, NJ/10 (above avg. death rate)--	127	
1145. 2007 -- influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33)	--	411
1146. 2007 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	24
1147. 2007 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	18
1148. 2007 -- tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate--	554	
1149. 2008 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
1150. 2008 -- chickenpox (varicella), ICD-10 code B01	--	18
1151. 2008 -- diarrhoea and gastroenteritis of Infections origin, esp. CA (17), NY (23)	--	134
1152. 2008 -- influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13)	--	1,772
1153. 2008 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	31
1154. 2008 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	20
1155. 2008 -- tuberculosis, ICD-10 code A16-19, death rate 0.19; esp. MS (above avg. rate)	--	585
1156. 2008 -- whooping cough (ICD-10 code A37.0), 18 under 1 year-old	--	20

Diseases – Chronological (continued):

1157. 2009 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000	--	19
1158. 2009 -- chickenpox (varicella), ICD-10 code B01	--	22
1159. 2009 -- Hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths)	--	26
1160. 2009 -- influenza (avian), ICD-10 code J09 (US death rate 0.5 per 100K) esp. MT (1.3)	--	1,557
1161. 2009 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	28
1162. 2009 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	21
1163. 2009 -- tuberculosis, ICD-10 code A16-19, esp. CA, LA, OK, TX (above avg. death rate)	--	529
1164. 2009 -- whooping cough (ICD-10 code A37.0), all under 1 year-old	--	15
1165. 2009 -- Apr 12-Apr 10, 2010, H1N1 “Swine Flu” pandemic (U.S.)	--	12,469
1166. 2010 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
1167. 2010 -- chickenpox (varicella), ICD-10 code B01	--	15
1168. 2010 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09)	--	2,741
1169. 2010 -- HIV/AIDS, U.S., nationally		15,525
1170. 2010 -- influenza, ICD-10 codes J09-J11; US death rate 0.2 per 100K; esp. AK, KS/.4 ²⁷³	--	500
1171. 2010 -- malaria, ICD-10 codes B50-B54, no State had at least 10 deaths	--	10
1172. 2010 -- meningococcal meningitis, ICD 10 Code A39.0	--	14
1173. 2010 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	24
1174. 2010 -- tuberculosis, ICD-10 Code A16-19, esp. AL, CA, KY, TX (above avg. death rate)	--	569
1175. 2010 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.4 per 100K), esp. OK (4.9)	--	7,564
1176. 2010 -- whooping cough (ICD-10 code A37.0), 25 under 1 year-old	--	26
1177. 2010-11 (winter)--estimated excess influenza & pneumonia Deaths (95%CI)	--	12,111-15,372
1178. 2011 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000	--	21
1179. 2011 -- chickenpox (varicella), ICD-10 code B01	--	14
1180. 2011 -- diarrhoea & gastroenteritis of Infections origin (ICD-10 code A09), esp. NJ	--	2,743
1181. 2011 -- influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K)	--	1,532
1182. 2011 -- meningococcal meningitis, ICD 10 Code A39.0 (no state 10 or more deaths)	--	26
1183. 2011 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	23
1184. 2011 -- tuberculosis, ICD-10 Code A16-A19, esp. CA (108), NY, SC (above avg. DR)	--	539
1185. 2011 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.5 per 100K), esp. DC (7.1)	--	7,850
1186. 2011-2012 (winter) -- estimated excess influenza & pneumonia deaths	--	3,691-4,747
1187. 2012 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000	--	21
1188. 2012 -- chickenpox (varicella), ICD-10 code B01, especially ≥ 85 (7)	--	16
1189. 2012 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09)	--	2,610
1190. 2012 -- influenza, ICD-10 codes J09-11; US death rate 0.4; SD, 2.5 per 100K	--	1,106
1191. 2012 -- meningococcal meningitis, ICD 10 Code A39.0	--	11
1192. 2012 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	13
1193. 2012 -- tuberculosis, ICD-10 Code A16-A19, especially CA (101) and TX (63)	--	510
1194. 2012 -- viral hepatitis, ICD-10 code B-15-B19, esp. NM/99, AZ/291, CA/1,387	--	8,062
1195. 2012 -- whooping cough (ICD-10 code A37.0), 15 under 1 year-old	--	17

²⁷³ The ICD-10 Code for influenza and pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).

1196. 2012-2013 (winter) -- estimated excess influenza & pneumonia deaths --18,066-22,434

Diseases – Master Set – Chronological:

1197. 2013 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 20
1198. 2013 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,669
1199. 2013 -- viral hepatitis, ICD-10 code B-15-B19, esp. OR/6.0 death rate, DC/5.9 --8,157
1200. 2013 -- influenza, ICD-10 codes J09-11, esp. SD (3.6) MT (3.5) ME (3.2) death rates --3,697
1201. 2013 -- malaria, ICD-10 Codes B50-B54 -- 10
2013 -- meningococcal meningitis, ICD 10 Code A39.0 -- 9
1202. 2013 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 16
1203. 2013 -- tuberculosis, ICD-10 Code A16-A19, especially CA (133) and TX (61) -- 555
1204. 2013 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old -- 12

1205. 2014 -- adenovirus infection, ICD-10 code B34.0, death rate 0.009 per 100,000 -- 29
1206. 2014 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,405
1207. 2014 -- enterovirus infection, ICD-10 code B34.1, death rate 0.010 -- 31
1208. 2014 -- influenza (ICD-10 codes J09, J10, J11), especially CA (457), TX (418) --4,605
1209. 2014 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths) -- 43
1210. 2014 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 12
1211. 2014 -- tuberculosis, ICD-10 Code A16-A19, especially CA (101) -- 493
1212. 2014 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old -- 14
1213. 2014 -- June-Oct 2015, Legionella pneumophila/Legionaries' Disease, Flint, MI -- 12

1214. 2015 -- adenovirus infection, ICD-10 code B34.0, death rate 0.015 per 100,000 -- 48
1215. 2015 -- chickenpox (varicella), ICD-10 code B01., especially children -- 14
1216. 2015 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,456
1217. 2015 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --5,251
1218. 2015 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths) -- 12
1219. 2015 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 21
1220. 2015 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22 -- 470
1221. 2015 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 6.4 per 100,000) --7,461
1222. 2015 -- July-mid Aug, Legionella pneumophila/Legionnaires', South Bronx, NYC, NY-16

1223. 2016 -- adenovirus infection, ICD-10 code B34.0, death rate 0.014 per 100,000 -- 46
1224. 2016 -- diarrhoea and gastroenteritis of Infections origin (ICD-10 code A09) --2,361
1225. 2016 -- Hantavirus (cardio)-pulmonary Syndrome (HPS), ICD 10 Code B33.4 -- 10
1226. 2016 -- HIV, US death rate 1.9, DC/12.0, FL/4.2, LA/3.9 GA/3.4 MD/3.2 --6,160
1227. 2016 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --2,905
1228. 2016 -- streptococcal toxic shock syndrome, ICD-10 code A48,3 (emerging disease)-- 26
1229. 2016 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/111, TX/55, FL/36, OK/14 -- 528
1230. 2016 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 4.8 per 100K; US 2.0) --6,421
1231. 2016 -- whooping cough (ICD-10 code A37.0) -- 11

1232. 2017 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site) -- 16

1233. 2017 -- HIV, US death rate 1.75 per 100K, esp. DC/9.8, MS/3.8, FL/3.6, LA/3.5 --5,698
 1234. 2017 -- influenza; death rate 2.0 per 100K pop.; esp. ME/5.2, MT/5.1, OR/4.9, WA/4.2 --6,515
 1235. 2017 -- tuberculosis, IDC-10 code A16-19, esp. CA/108 TX/49 NY/31 PA/22 NJ/21 -- 515
 2017 -- whooping cough (pertussis), ICD-10 code 137.0-A37.9 -- 9
1236. 2017-2018 -- winter (March 2018 end) influenza (primarily H3N2) ~80,000

Diseases – Master Set – Chronological:

1237. 2018 -- adenovirus infection, ICD-10 code B34.0, death rate 0.01 per 100,000 pop. -- 49
 1238. 2018 -- adenovirus, Oct esp., 7, children, Wanaque Nursing & Rehabilitation Center, Haskell, NJ--11
 1239. 2018 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site) -- 20
 1240. 2018 -- HIV; US death rate 1.66 per 100K, esp. DC/9.25, MS/4.15, LA/3.4 FL/3.3 --5,425
 1241. 2018 -- influenza, ICD-10 codes J09-11.8, death rate 3.4 per 100K pop., esp. WV/6.6- 11,164
 1242. 2018 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/100, TX/50, NY/39, FL/38 -- 542
 2018 -- whooping cough (pertussis), ICD-10 code A37.0-A37.9; CDC Wonder site -- 9
1243. 2019 -- adenovirus infection, ICD-10 code B34.0, death rate 0.02 per 100K pop. -- 78
 1244. 2019 -- chickenpox (varicella); ICD-10 code B01 (CDC Wonder site) -- 18
 1245. 2019 -- HIV, US death rate 1.54 per 100K pop.; DC/10.0, FL/3.2, MD, 3.0, GA/2.7--5,044
 1246. 2019 -- influenza, esp. CA/560 TX/396 NY/336 lives lost; VT/4.3 OR/3.7 NE/3.3 death rate-5,902
 1247. 2019 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/112, TX/54, NY/37, FL/35 -- 526
 1248. 2019 -- whooping cough, ICD-10 code A36 (CDC Wonder site) -- 10
1249. 2020 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site, no state data)-- 21
 1250. 2020 -- Feb 29-Dec 31, coronavirus, 1,070 US deaths per 1 million population --354,215
 1251. 2020 -- HIV, US death rate 1.55, esp. DC/9.4, FL/3.1, MS/3.34, GA/3.1, MD/2.96 --5,155
 1252. 2020 -- influenza (distinct from 47,601 pneumonia deaths); death rate 1.8 per 100K --5,943
 1253. 2020 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/119, TX/66, NY/36, FL/30 -- 600
1254. 2021 -- COVID-19 (coronavirus), ~2,600K US deaths per 1M population --437,984
 1255. 2021 -- chickenpox (varicella), ICD-10 code B01.0 (CDC WONDER, no state data) -- 14
 1265. 2021 -- HIV, US death rate 1.50, esp. DC/7.46, FL/2.9, GA/2.76, MS/2.71, LA/2.7 --4,977
 1266. 2021 -- influenza (distinct from 41,309 pneumonia deaths); death rate 0.18, esp. TN/0.60-- 608
 1256. 2021 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/106, TX/58, FL/36, NY/36, VA/22--602
1257. 2022 -- COVID-19; US death rate 6.5; esp. MO/9.99, FL/9.8, OH/9.8, IN/9.6, PA/9.5 --217,370
 1258. 2023 -- COVID (354K deaths/2020; 438K/2021; 217K/2022; 1.19M 2020-2023) 71,691

Disease -- ADENOVIRUS Infection -- By Mortality

1.	2019 -- adenovirus infection, ICD-10 code B34.0, death rate 0.02 per 100K pop.	--	78
2.	2018 -- adenovirus infection, ICD-10 code B34.0, death rate 0.01 per 100,000 pop. ²⁷⁴	--	49
3.	2015 -- adenovirus infection, ICD-10 code B34.0, death rate 0.015 per 100,000	--	48
4.	2016 -- adenovirus infection, ICD-10 code B34.0, death rate 0.014 per 100,000	--	46
5.	2014 -- adenovirus infection, ICD-10 code B34.0, death rate 0.009 per 100,000	--	29
6.	2011 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000	--	21
7.	2012 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000	--	21
8.	2013 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000	--	20
9.	2009 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000	--	19
10.	1998 -- adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000	--	16
11.	2005 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
12.	2008 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
13.	2006 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
14.	2007 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
15.	2010 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
16.	2001 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
17.	2002 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
18.	1995 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000	--	11
19.	1997 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000	--	11
20.	1999 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	11
21.	2000 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	11
22.	2018 -- Oct esp., adenovirus 7, children, Wanaque Nursing & Rehabilitation Center, Haskell, NJ	--	11
	2004 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	9
	2003 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	8
	1996 -- adenovirus infection, ICD-10 code B34.0, death rate 0.002 per 100,000	--	6

²⁷⁴ We have a separate file on the October adenovirus outbreak at the Wanaque Nursing & Rehabilitation Center.

Disease -- ADENOVIRUS Infection -- Chronologically

1. 1995 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000	--	11
1996 -- adenovirus infection, ICD-10 code B34.0, death rate 0.002 per 100,000	--	6
2. 1997 -- adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000	--	11
3. 1998 -- adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000	--	16
4. 1999 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	11
5. 2000 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	11
6. 2001 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
7. 2002 -- adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000	--	12
2003 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	8
2004 -- adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000	--	9
8. 2005 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
9. 2006 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
10. 2007 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
11. 2008 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	16
12. 2009 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000	--	19
13. 2010 -- adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000	--	15
14. 2011 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000	--	21
15. 2012 -- adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000	--	21
16. 2013 -- adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000	--	20
17. 2014 -- adenovirus infection, ICD-10 code B34.0, death rate 0.009 per 100,000	--	29
18. 2015 -- adenovirus infection, ICD-10 code B34.0, death rate 0.015 per 100,000	--	48
19. 2016 -- adenovirus infection, ICD-10 code B34.0, death rate 0.014 per 100,000	--	46
20. 2018 -- adenovirus infection, ICD-10 code B34.0, death rate 0.01 per 100,000 pop.	--	49
21. 2018 -- Oct esp., adenovirus 7, children, Wanaque Nursing & Rehabilitation Center, Haskell, NJ	--	11
22. 2019 -- adenovirus infection, ICD-10 code B34.0, death rate 0.02 per 100K pop.	--	78

Disease -- ANTHRAX -- By Mortality

1.	1917 -- anthrax, esp. CA (6), CO/2, KS/2, MA (11), NJ (6), NY (12), PA (10), WI/2	--	62
2.	1915 -- anthrax, CA/2, CO, CT/3, IN, LA, MA/4, MN/2, MT, NJ, NY/14, PA/4, UT	--	35
3.	1916 -- anthrax, CT, IL, KY/2, MA/5, MI/2, MO, NY/4, NC/2, PA/7, TX/2, WA	--	28
4.	1913 -- anthrax, CA, CT, DE/2, MA/3, MN, MO, NY/4, OH, PA/8, VA, WA, WI	--	25
5.	1910 -- anthrax, CA, CO, DE, IN, ME, MD, MA, NY, OH, and esp. PA (7)	--	22
6.	1925 -- anthrax, CA/2, CT, DE/3, IL, IN, LA/2, MA, MS, MO, NJ, NY/2, OR, PA/4, WA--	22	
7.	1914 -- anthrax, CA, CT, DE, LA, ME, NE, NJ (2), NY, OH (2), PA (6), VA, WI	--	19
8.	1912 -- anthrax, DE, KY (3), MA (2), MN, MO, NJ, NY, OH (3), PA (4)	--	17
9.	1911 -- anthrax, CA (2), CT (2), DE, IN, LA (2), MA, NY, OH, PA (2), VT	--	14

Disease -- ANTHRAX -- Chronological

1.	1910 -- anthrax, CA, CO, DE, IN, ME, MD, MA, NY, OH, and esp. PA (7)	--	22
2.	1911 -- anthrax, CA (2), CT (2), DE, IN, LA (2), MA, NY, OH, PA (2), VT	--	14
3.	1912 -- anthrax, DE, KY (3), MA (2), MN, MO, NJ, NY, OH (3), PA (4)	--	17
4.	1913 -- anthrax, CA, CT, DE (2), MA (3), MN, MO, NY/4, OH, PA/8, VA, WA, WI	--	25
5.	1914 -- anthrax, CA, CT, DE, LA, ME, NE, NJ (2), NY, OH (2), PA (6), VA, WI	--	19
6.	1915 -- anthrax, CA/2, CO, CT/3, IN, LA, MA/4, MN/2, MT, NJ, NY/14, PA/4, UT	--	35
7.	1916 -- anthrax, CT, IL, KY/2, MA/5, MI/2, MO, NY/4, NC/2, PA/7, TX/2, WA	--	28
8.	1917 -- anthrax, esp. CA (6), CO/2, KS/2, MA (11), NJ (6), NY (12), PA (10), WI/2	--	62
9.	1925 -- anthrax, CA/2, CT, DE/3, IL, IN, LA/2, MA, MS, MO, NJ, NY/2, OR, PA/4, WA--	22	

Disease -- CHICKENPOX -- By Mortality

1. 1961 -- chickenpox (varicella)	-- 167
2. 1958 -- chickenpox (varicella)	-- 146
3. 1965 -- chickenpox (varicella)	-- 143
4. 1973 -- chickenpox; esp. TX/21, CA/10, IL/10, PA/9, NY/8, IA/7, MA/7, MI/7, MT/5	-- 138
5. 1959 -- chickenpox (varicella)	-- 141
6. 1962 -- chickenpox (varicella)	-- 134
7. 1953 -- chickenpox (varicella); Code 087, International List 6 th Revision, 1948	-- 132
8. 1963 -- chickenpox (varicella)	-- 129
9. 1960 -- chickenpox (varicella)	-- 126
10. 1994 -- chickenpox, especially CA (17), MI (10), NY (10) and TX (48)	-- 124
11. 1972 -- chickenpox; especially CA/12, NY/12, OH/12 TX/10, NJ/8, FL/6, MA/6 MI/6	-- 122
12. 1954 -- chickenpox (varicella); code 087, International List 6 th Revision, 1948	-- 120
13. 1990 -- chickenpox, US death rate 0.05 per 100K, esp. CA (26), NY (14), TX (10)	-- 120
14. 1967 -- chickenpox (varicella)	-- 118
15. 1956 -- chickenpox (varicella)	-- 116
16. 1995 -- chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12)	-- 115
17. 1957 -- chickenpox	-- 113
18. 1974 -- chickenpox; US death rate 0.050 per 100K, especially CA/10, MA/7, NY/7	-- 106
19. 1976 -- chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7	-- 106
20. 1979 -- chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5	-- 103
21. 1952 -- chickenpox (varicella); International List 6 th Revision, 1948, code 087	-- 101
22. 1992 -- chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07	-- 100
23. 1993 -- chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16)	-- 100
24. 1968 -- chickenpox; ICD-8 code 052; esp. NY/10, TX/9, CA/8, MI/OH/PA/6 each	-- 99
25. 1997 -- chickenpox (varicella), ICD-9 code 052, especially CA (12)	-- 99
26. 1971 -- chickenpox; ICD-8 code 052; especially CA/16, TX/9, IL/6, NY/6	-- 98
27. 1951 -- chickenpox (varicella); code 087, International List 6 th Revision, 1948	-- 94
28. 1970 -- chickenpox; ICD-8 code 052; especially CA/10, NY/9, TX/7, MI/6	-- 93
29. 1978 -- chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT	-- 91
30. 1977 -- chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each	-- 89
31. 1987 -- chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10)	-- 89
32. 1989 -- chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10)	-- 89
33. 1955 -- chickenpox (varicella)	-- 88
34. 1950 -- chickenpox, code 087 in 6 th revision of International Lists of 1948 (US PHS)	-- 87
35. 1981 -- chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5	-- 84
36. 1975 -- chickenpox; US death rate 0.039 per 100K, esp. NY/8, CA/6, TX/6, CT/5	-- 83
37. 1988 -- chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/018 (1)	-- 83
38. 1969 -- chickenpox; ICD-8 code 052; especially FL (7), CA, MO, NJ, NY (5 each)	-- 81
39. 1991 -- chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths)	-- 81
40. 1996 -- chickenpox (varicella), ICD-9 code 052	-- 81
41. 1998 -- chickenpox (varicella), ICD-9 code 052, especially CA (10)	-- 81
42. 1980 -- chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5	-- 78

43. 1985 -- chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10 -- 68
 44. 1982 -- chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6 -- 61

CHICKENPOX – by Mortality (continued):

45. 1983 – chickenpox (varicella); especially NY/8, CA/5, TX/5 -- 57
 46. 1984 -- chickenpox (varicella); especially CA/8, TX/7, NY/5 -- 53
 47. 1999 -- chickenpox (varicella), ICD-10 code B01 -- 48
 48. 1986 – chickenpox (varicella); especially NY (9), TX (7), CA (5) -- 47
 49. 2000 -- chickenpox (varicella), ICD-10 code B01 -- 44
 50. 2002 -- chickenpox (varicella), ICD-10 code B01 -- 32
 51. 2001 -- chickenpox (varicella), ICD-10 code B01 -- 26
 52. 2009 -- chickenpox (varicella), ICD-10 code B01 -- 22
 53. 2020 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site, no state data) -- 21
 54. 2018 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site) -- 20
 55. 2004 -- chickenpox (varicella), ICD-10 code B01 -- 19
 56. 2006 -- chickenpox (varicella), ICD-10 code B01 -- 18
 57. 2008 -- chickenpox (varicella), ICD-10 code B01 -- 18
 58. 2019 -- chickenpox (varicella); ICD-10 code B01 (CDC Wonder site) -- 18
 59. 2003 -- chickenpox (varicella), ICD-10 code B01 -- 16
 60. 2012 -- chickenpox (varicella), ICD-10 code B01, especially ≥ 85 (7) -- 16
 61. 2017 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site) -- 16
 62. 2010 -- chickenpox (varicella), ICD-10 code B01 -- 15
 63. 2007 -- chickenpox (varicella), ICD-10 code B01 -- 14
 64. 2011 -- chickenpox (varicella), ICD-10 code B01 -- 14
 65. 2015 -- chickenpox (varicella), ICD-10 code B01, especially children -- 14
 66. 2021 -- chickenpox (varicella), ICD-10 code B01.0 (CDC WONDER site/no state data)-- 14
 67. 2005 -- chickenpox (varicella), ICD-10 code B01 -- 13
- 2016 -- chickenpox (varicella), ICD-10 code B01 -- 6

Disease -- CHICKENPOX -- Chronological

1.	1950 -- chickenpox, code 087 in 6 th revision of International Lists of 1948 (US PHS)	--	87
2.	1951 -- chickenpox (varicella); code 087, International List 6 th Revision, 1948	--	94
3.	1952 -- chickenpox (varicella); International List 6 th Revision, 1948, code 087	--	101
4.	1953 -- chickenpox (varicella); International List 6 th Revision, 1948, code 087	--	132
5.	1954 -- chickenpox (varicella); International List 6 th Revision, 1948, code 087	--	120
6.	1955 -- chickenpox (varicella)	--	88
7.	1956 -- chickenpox (varicella)	--	116
8.	1957 -- chickenpox (varicella)	--	113
9.	1958 -- chickenpox (varicella)	--	146
10.	1959 -- chickenpox (varicella)	--	141
11.	1960 -- chickenpox (varicella)	--	126
12.	1961 -- chickenpox (varicella)	--	167
13.	1962 -- chickenpox (varicella)	--	134
14.	1963 -- chickenpox (varicella)	--	129
15.	1965 -- chickenpox (varicella)	--	143
16.	1967 -- chickenpox (varicella)	--	118
17.	1968 -- chickenpox (varicella); especially NY/10, TX/9, CA/8, MI/OH/PA/6 each	--	99
18.	1969 -- chickenpox; ICD-8 code 052; especially FL (7), CA, MO, NJ, NY (5 each)	--	81
19.	1970 -- chickenpox (varicella); ICD-8 code 052; especially CA/10, NY/9, TX/7, MI/6	--	93
20.	1971 -- chickenpox (varicella); ICD-8 code 052; especially CA/16, TX/9, IL/6, NY/6	--	98
21.	1972 -- chickenpox (varicella); esp. CA/12, NY/12, OH/12, TX/10, NJ/8, FL/6, MA/6	--	122
22.	1973 -- chickenpox (varicella); esp. TX/21, CA/10, IL/10, PA/9, NY/8, IA/7, MA/7	--	138
23.	1974 -- chickenpox (varicella); especially CA/10, MA/7, NY/7	--	106
24.	1975 -- chickenpox (varicella); especially NY/8, CA/6, TX/6, CT/5	--	83
25.	1976 -- chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7	--	106
26.	1977 -- chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each	--	89
27.	1978 -- chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT	--	91
28.	1979 -- chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5	--	103
29.	1980 -- chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5	--	78
30.	1981 -- chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5	--	84
31.	1982 -- chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6	--	61
32.	1983 -- chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5	--	57
33.	1984 -- chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5	--	53
34.	1985 -- chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10	--	68
35.	1986 -- chickenpox, US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5)	--	47
36.	1987 -- chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10)	--	89
37.	1988 -- chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/018 (1)	--	83
38.	1989 -- chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10)	--	89
39.	1990 -- chickenpox, US death rate 0.05 per 100K, esp. CA (26), NY (14), TX (10)	--	120
40.	1991 -- chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths)	--	81

41. 1992 -- chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07	-- 100
42. 1993 -- chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16)	-- 100
43. 1994 -- chickenpox, especially CA (17), MI (10), NY (10) and TX (48)	-- 124
44. 1995 -- chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12)	-- 115
1995 -- chickenpox vaccine becomes available in the U.S.	
45. 1996 -- chickenpox (varicella), ICD-9 code 052	-- 81
46. 1997 -- chickenpox (varicella), ICD-9 code 052, especially CA (12)	-- 99
47. 1998 -- chickenpox (varicella), ICD-9 code 052, especially CA (10)	-- 81
48. 1999 -- chickenpox (varicella), ICD-10 code B01	-- 48

CHICKENPOX (varicella), continued:

49. 2000 -- chickenpox (varicella), ICD-10 code B01	-- 44
50. 2001 -- chickenpox (varicella), ICD-10 code B01	-- 26
51. 2002 -- chickenpox (varicella), ICD-10 code B01	-- 32
52. 2003 -- chickenpox (varicella), ICD-10 code B01	-- 16
53. 2004 -- chickenpox (varicella), ICD-10 code B01	-- 19
54. 2005 -- chickenpox (varicella), ICD-10 code B01	-- 13
55. 2006 -- chickenpox (varicella), ICD-10 code B01	-- 18
56. 2007 -- chickenpox (varicella), ICD-10 code B01	-- 14
57. 2008 -- chickenpox (varicella), ICD-10 code B01	-- 18
58. 2009 -- chickenpox (varicella), ICD-10 code B01	-- 22
59. 2010 -- chickenpox (varicella), ICD-10 code B01	-- 15
60. 2011 -- chickenpox (varicella), ICD-10 code B01	-- 14
61. 2012 -- chickenpox (varicella), ICD-10 code B01, especially ≥ 85 (7)	-- 16
62. 2015 -- chickenpox (varicella), ICD-10 code B01, especially children	-- 14
2016 -- chickenpox (varicella), ICD-10 code B01	-- 6
63. 2017 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site)	-- 16
64. 2018 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site)	-- 20
65. 2019 -- chickenpox (varicella); ICD-10 code B01 (CDC Wonder site)	-- 18
66. 2020 -- chickenpox (varicella), ICD-10 code B01 (CDC Wonder site, no state data)	-- 21
67. 2021 -- chickenpox (varicella), ICD-10 code B01.0 (CDC WONDER site/no state data)--	14
68.	

Disease -- CHOLERA -- By Mortality

1.	1849 -- cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K) ²⁷⁵	-->45K-51,428
2.	1832 -- June-Dec 16, cholera epidemics, esp. DC/LA/MD/NJ/NY/OH/PA/VA	--16,781-18,491
3.	1866 -- May-Dec, cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Philly/Army	--~16K-17,742
4.	1850 -- cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI ²⁷⁶	--14,158-14,637
5.	1854 -- cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston	--10,275-10,467
6.	1873 -- Feb-Sep, cholera, esp. TN/>2K esp. Nashville/~1K, KY/~1K, St. Louis	--5814-6519
7.	1833 -- May-Aug (esp.), cholera, esp. KY/~2000, NOLA/1000, WV/OH/IN/TN/IL	--6308-6,353
8.	1852 -- cholera, esp. NY/1.3K, IL/1.2-1.3K, New Orleans/1K-1.3K, MO/~1K	--4,381-4,736
9.	1851 -- June-Aug esp., cholera, esp. St. Louis, IL, New Orl., Cincinnati, SD Sioux	--3,314-3,322
10.	1867 -- June-Dec, cholera, esp. St. Louis, New Orleans, KS, OK, Chicago, US Army	--2,145
11.	1855 -- May-Aug, cholera, IL//KS/KY/MO/OH/WI, esp. New Orleans/883	--1,797-1,869
12.	1834 -- ~July-Nov, cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC--~1,693	
13.	1848 -- Dec, cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX	--1,159
14.	1835 -- Apr-Aug, cholera, esp. Madison, IN; KY, esp. Russellville; New Orleans, TN	--590-601
15.	1853 -- cholera, New Orleans, LA (554-585); Choctaw on Arkansas River, OK/14	--568-599
16.	1865 -- Jan-June, cholera, New York City, NY	-- 350
17.	1864 -- Jan-June, cholera, New York City, NY	-- 348
18.	1863 -- Jan-June, cholera, New York City, NY	-- 272
19.	1862 -- Jan-June, cholera, New York City, NY	-- 199
20.	1861 -- Jan-June, cholera, New York City, NY ²⁷⁷	-- 176
21.	1855 -- cholera, Sep 05, aboard Steamship Sierra Nevada, leaving NY	-- 95
22.	1895 -- Mid-Aug-Oct 3, cholera epidemic, Honolulu, HI	--63-65
23.	1879 -- July-mid to early Aug, cholera-like epidemic, Center Point and Walker, IA	--24-28
	1965 -- cholera	-- 0

²⁷⁵ cholera existed elsewhere as well (see narrative document). Our sources could not have had access to all cholera deaths in areas of coverage. Collins and Collins write in *History of Kentucky*, there were many more deaths in the smaller towns and the countryside than they were able to chronicle. This was true all up and down river routes and railroads as well as in the wagon trains heading west during the Gold Rush. In addition, part of the explanation for the range has to do with what was called a death by cholera or a death caused by cholera-like symptoms, such as diarrhea or dysentery (interestingly co-incident in epidemic form during a cholera outbreak).

²⁷⁶ This reflects zero Plains Native American deaths, whereas the range of cholera deaths amongst Plains natives in 1849 was 5,600-6,500. We believe that there must have significant loss of life, but have just not located sources.

²⁷⁷ cholera existed in NYC beyond Jan-June. The NYC Board of Health report drawn upon in 1867 *New York Times* article, only covers the same Jan-June six months for six years, 1861-1866.

Disease -- CHOLERA -- Chronological

1. 1832 -- June-Dec 16, cholera epidemics, esp. DC/LA/MD/NJ/NY/OH/PA/VA --16,781-18,491
2. 1833 -- May-Aug (esp.), cholera, esp. KY/~2000, NOLA/1000, WV/OH/IN/TN/IL --6,308-6,353
3. 1834 -- ~July-Nov, cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
4. 1835 -- Apr-Aug, cholera, esp. Madison, IN; KY, esp. Russellville; New Orleans, TN--590-601

5. 1848 -- Dec, cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX --1,159
6. 1849 -- cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K)²⁷⁸ -->45K-51,428

7. 1850 -- cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI²⁷⁹ --14,158-14,637
8. 1851 -- June-Aug esp., cholera, esp. St. Louis, IL, New OrL., Cincinnati, SD Sioux --3,314-3,322
9. 1852 -- cholera, esp. NY/1.3K, IL/1.2-1.3K, New Orleans/1K-1.3K, MO/~1K --4,381-4,736
10. 1853 -- cholera, New Orleans, LA (554-585); Choctaw on Arkansas River, OK/14 --568-599
11. 1854 -- cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston --10,275-10,467
12. 1855 -- May-Aug, cholera, IL//KS/KY/MO/OH/WI, esp. New Orleans/883 --1,797-1,869
13. 1855 -- Sep 5, cholera, aboard Steamship Sierra Nevada, leaving NY -- 95

14. 1861 -- Jan-June, cholera, New York City²⁸⁰ -- 176
15. 1862 -- Jan-June, cholera, New York City, NY -- 199
16. 1863 -- Jan-June, cholera, New York City, NY -- 272
17. 1864 -- Jan-June, cholera, New York City, NY -- 348
18. 1865 -- Jan-June, cholera, New York City, NY -- 350
19. 1866 -- May-Dec, cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Philly/Army --~16K-17,742
20. 1867 -- June-Dec, cholera, esp. St. Louis, New Orleans, KS, OK, Chicago, US Army --2,145

21. 1873 -- Feb-Sep, cholera, esp. TN/>2K esp. Nashville/~1K, KY/~1K, St. Louis/529--5814-6,519
22. 1879 -- July-mid to early Aug, cholera-like epidemic, Center Point and Walker, IA --24-28

23. 1895 -- Mid-Aug-Oct 3, cholera epidemic, Honolulu, HI --63-65

- 1965 -- cholera -- 0
- 2018 -- cholera -- 1
- 2019 -- cholera -- 2

²⁷⁸ There were outbreaks in other States (see narrative document). We note that our sources could not have had access to all cholera deaths in areas of coverage. Collins and Collins write in *History of Kentucky*, there were many more deaths in the smaller towns and the countryside than they were able to chronicle. This must have been true all up and down routes of river and rail traffic as well as in the wagon trains heading west during the Gold Rush. In addition, part of the explanation for the range has to do with what was called a death by cholera or a death caused by cholera-like symptoms, such as diarrhea or dysentery (interestingly co-incident in epidemic form during a cholera outbreak).

²⁷⁹ This reflects zero Plains Native American deaths, whereas the range of cholera deaths amongst Plains natives in 1849 was 5,600-6,500. We believe that there must have significant loss of life, but have just not located sources.

²⁸⁰ cholera existed in NYC beyond Jan-June months. The NYC Board of Health report drawn upon in 1867 *New York Times* article, only covers the same Jan-June six months for six years, 1861-1866.

Disease – **CORORAVIRUS 19** – by **Mortality**

1. 2021 -- COVID-19 (coronavirus), ~2.6K US deaths per 1M population --437,984
2. 2020 -- Feb 29-Dec 31, coronavirus, U.S. deaths per 1M population, 1,070 --354,215
3. 2022 -- COVID-19/US death rate 6.5; esp. MO/9.9., FL/9.8, OH/9.8, IN/9.6, PA/9.5 --217,370
4. 2023 -- COVID (354K deaths/2020; 438K/2021; 217K/2022; 1.19M 2020-2023) 71,691

Disease – **CORORAVIRUS 19** – **Chronological**

5. 2020 -- Feb 29-Dec 31, coronavirus, U.S. deaths per 1M population, 1,070 --354,215
6. 2021 -- COVID-19 (coronavirus), ~2.6K US deaths per 1M population --437,984
7. 2022 -- COVID-19/US death rate 6.5; esp. MO/9.9., FL/9.8, OH/9.8, IN/9.6, PA/9.5 --217,370
8. 2023 -- COVID (354K deaths/2020; 438K/2021; 217K/2022; 1.19M 2020-2023) --71,691

Disease – CROUP – by Mortality

1. 1879 -- June-May, 1880 -- croup, especially Oct-Dec, especially IL, PA and TN 17,966
2. 1860 -- croup (contagious upper airway viral infection), nationwide 15,188
3. 1889-90, June-May -- croup, 48 States & DC, esp. NY/1.5K, PA/1.4K, IL/957, MO 13,862
4. 1900 -- croup (Upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686 12,484
5. 1850 -- croup (contagious upper airway viral infection), nationwide 10,706
6. 1870 -- croup (contagious upper airway viral infection), nationwide 10,692

Disease – CROUP – Chronological

1. 1850 -- croup (contagious upper airway viral infection), nationwide 10,706
2. 1860 -- croup (contagious upper airway viral infection), nationwide 15,188
3. 1870 -- croup (contagious upper airway viral infection), nationwide 10,692
4. 1879 -- June-May, 1880 -- croup, especially Oct-Dec, especially IL, PA and TN 17,966
5. 1889-90, June-May -- croup, 48 States & DC, esp. NY/1.5K, PA/1.4K, IL/957, MO --13,862
6. 1900 -- croup (Upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686 --12,484

Diseases -- DIARRHOEA and gastroenteritis of infectious origin -- By Mortality

1. 1870 -- diarrhoea (14,195) and Enteritis (9,046)	--23,241
2. 2009 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,756
3. 2011 -- diarrhoea & gastroenteritis of infectious origin (ICD-10 code A09), esp. NJ	--2,743
4. 2010 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,741
5. 2013 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,669
6. 2012 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,610
7. 2015 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,456
8. 2014 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,405
9. 2016 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,361
10. 2006 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/20, PA/14 (above avg. death rate)	-- 149
11. 2008 -- diarrhoea and gastroenteritis of infectious origin, esp. CA (17), NY (23)	-- 134
12. 2005 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate)	-- 132
13. 2007 -- diarrhoea/gastroenteritis, infectious origin, esp. IL/10, NJ/10 (above avg. death rate)	-- 127
14. 2004 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/10, IL/10 (above avg. death rate)	-- 111
15. 2003 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/17, NY/10 (above avg. death rate)	-- 98
16. 1999 -- diarrhoea and gastroenteritis of infectious origin; no State with 10 deaths	-- 96
17. 2002 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/12 (above avg. .034 death rate)	-- 93
18. 2000 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	-- 65
19. 2001 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	-- 56

Diseases -- DIARRHOEA and gastroenteritis of infectious origin -- Chronologically

1. 1870 -- diarrhoea (14,195) and Enteritis (9,046)	--23,241
2. 1999 -- diarrhoea and gastroenteritis of infectious origin; no State with 10 deaths	-- 96
3. 2000 -- diarrhoea and gastroenteritis, infectious origin; no State as many as 10 deaths	-- 65
4. 2001 -- diarrhoea/gastroenteritis, infectious origin; no State as many as 10 deaths	-- 56
5. 2002 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/12 (above avg. .034 death rate)	-- 93
6. 2003 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/17, NY/10 (above avg. death rate)	-- 98
7. 2004 -- diarrhoea/gastroenteritis, infectious origin, esp. FL/10, IL/10 (above avg. death rate)	-- 111
8. 2005 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate)	-- 132
9. 2006 -- diarrhoea/gastroenteritis, infectious origin, esp. CA/20, PA/14 (above avg. death rate)	-- 149
10. 2007 -- diarrhoea/gastroenteritis, infectious origin, esp. IL/10, NJ/10 (above avg. death rate)	-- 127
11. 2008 -- diarrhoea and gastroenteritis of infectious origin, esp. CA (17), NY (23)	-- 134
12. 2009 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,756
13. 2010 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,741
14. 2011 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09), esp. NJ	--2,743
15. 2012 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,610
16. 2013 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,669
17. 2014 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,405
18. 2015 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,456
19. 2016 -- diarrhoea and gastroenteritis of infectious origin (ICD-10 code A09)	--2,361

Disease -- DIPHTHERIA -- By Mortality

1.	1879-80, June-May, diphtheria, esp. PA/4.6K; IL/3.7K; NY/2.3K; IA/2.3K, ME/MI/WI	38,143
2.	1889-90, June-May, diphtheria, 48 States & DC, esp. NY/4K, PA/2.9K, IL/2.6K	27,815
3.	1916 -- diphtheria, especially children, nationwide, esp. PA, NY, MI	>8,000-17,000
4.	1900 -- diphtheria, esp. PA/2805, NY/2673, IL/1504, MA/1072, OH/698, NJ/678	16,475
5.	1894 -- diphtheria, NY/6.6K, esp. NYC/2785, MA/1.5K, Chicago, 1.4K, Philly, NJ	14,606
6.	1887 -- diphtheria, esp. NY/6490 (NYC/4509), Chicago/1405, St. Louis/1112, Philly	14,507
7.	1920 -- diphtheria & croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885 ²⁸¹	13,395
8.	1881 -- diphtheria, esp. NY/3.7K (NYC/2249, Brooklyn/1143), MI/2K, MA/1K, NJ/972	--10,886
9.	1885 -- diphtheria & croup, localities in 16 states; esp. NY/4508, MI/1552, NJ/1496	10,788
10.	1907 -- diphtheria and croup, census registration area, esp. NY and PA (esp. Philly)	10,154
11.	1919 -- diphtheria, 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ, NY, OH	--9,160
12.	1925 -- diphtheria, esp. NY/1,006, PA/973, IL/409, OH/392, MI/360, NJ/337 MA/334	--8,058
13.	1870 -- diphtheria, nationwide	--6,303
14.	1931 -- diphtheria, especially children, especially AR, IL, KY and PA	--5,738
15.	1735-1741 (esp. 1735-37), "throat distemper" (diphtheria), ²⁸² esp. CT/ME/MA/NH	--5,000
16.	1880 -- diphtheria, NY, esp. children, esp. NYC & Brooklyn; elsewhere NY	--1,805-2,303
17.	1939 -- diphtheria, esp. Jan-Mar, Sep-Dec, nationwide, esp. GA, IL, NC, TX, VA	--1,997
18.	1914 -- diphtheria and croup, NYC, NY	--1,489
19.	1913 -- diphtheria and croup, NYC, NY	--1,333
20.	1863 -- diphtheria, Vermont	-->1,300
21.	1911 -- diphtheria and croup, NYC, NY	--1,281
22.	1915 -- diphtheria and croup, NYC, NY	--1,278
23.	1946 -- diphtheria, infectious diseases International List No. 10	--1,259
24.	1912 -- diphtheria and croup, NYC, NY	--1,125
25.	1879 -- diphtheria, MN (955) and Hudson County, NJ (120) ²⁸³	--1,071
26.	1875 -- croup and diphtheria, MI (374) and Hudson County, NJ (533)	-- 907
27.	1947 -- diphtheria, infectious diseases Int. List No. 10	-- 799
28.	1948 -- diphtheria, infectious diseases code 10	-- 634
29.	1949 -- diphtheria, code 055	-- 574
30.	1950 -- diphtheria, code 055 of sixth revision of international lists of 1948 (US PHS)	-- 410
31.	1877 -- diphtheria, Santa Cruz, CA; Hudson County, NJ	-- 349
32.	1876 -- diphtheria, Hudson County, NJ	-- 327
33.	1951 -- diphtheria, esp. TX/31, AL/26, NC/19, KY/17, AR/16, LA/15, PA/15, CA/14	-- 302
34.	1751-52 -- "throat distemper" (diphtheria), esp. Abington/Hingham/Weymouth, MA	--240-290
35.	1878 -- diphtheria, Hudson County, NJ	-- 177
36.	1858 -- diphtheria, April-fall, Albany, NY	-- 167
37.	1952 -- diphtheria (7 states double digits); AL/21 TX/21 CA/17 GA/17 SC/13, KY/12 VA/11	-- 225
38.	1953 -- diphtheria, esp. GA/19 SC/16 TX/15 FL/12 AL/10 (only states in double digits)	-- 158

²⁸¹ Data from 34 Census Bureau Registration States and a number of cities $\geq 100,000$ in non-registration states.

²⁸² Referred to as throat distemper, and other names at the time, descriptions point to what was later named diphtheria. Scarlet fever occurred as well, with deaths, but sources indicate the major epidemic was diphtheria.

²⁸³ There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.

39. 1955 -- diphtheria, especially AL/25, GA/18, TX/13, SC/11 (only double digit states) -- 150
 40. 1954 -- diphtheria, esp. GA/24, SC/16, AL/14, FL/10, (only states in double digits) -- 145
 41. 1767-70-- diphtheria epidemic (12% of population, mostly children), Oxford, MA --96-144
 42. 1747 -- “throat distemper (diphtheria), MA (≥ 89) and Kensington, NH (48-52) --137- ≥ 141
 43. 1749-50 -- “throat distemper” (diphtheria), MA, esp. Tewksbury (≥ 38) -- ≥ 106 -112
 44. 1956 -- diphtheria, especially TX (19), the only state with double digit death toll -- 103

Disease -- DIPHTHERIA -- By Mortality -- continued:

45. 1895 -- diphtheria, Jan-Jun, esp. Boston, Brooklyn, New York -- 99
 46. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (diphtheria), Greenland & esp. Stratham, NH -- 97
 47. 1957 -- diphtheria, especially TX (11), GA (8), AL (6), FL and NY (5) -- 81
 48. 1958 -- diphtheria, especially GA (9), TX (8) and MS (6) -- 74
 49. 1753 -- “throat distemper (diphtheria), Exeter, Stratham and Rye, NH -- ~72
 50. 1959 -- diphtheria, especially AL (9), LA (7), TX (7), SC (6), FL (5) -- 72
 51. 1795 -- “throat distemper” (diphtheria), Royalston (66) and Rutland (5) MA -- 71
 52. 1960 -- diphtheria, especially TX (only State in double digits -- 20) -- 69
 53. 1961 -- diphtheria, especially TX (only State in double digits -- 23) -- 68
54. 1810-11 -- “Canker Rash” (diphtheria or scarlet fever),²⁸⁴ children, Winchendon, MA -- 59
 55. 1754-55, Jan ‘54-July ‘55 -- “throat distemper” (diphtheria), esp. children, Hampton, NH -- 51
56. 1963 -- diphtheria, especially GA (5) and Texas (5) -- 45
 57. 1964 -- diphtheria, especially Texas (10) -- 42
 58. 1962 -- diphtheria, especially Texas (9) -- 41
59. 1967 -- diphtheria -- 32
 60. 1968 -- diphtheria (ICD-8 code 032), especially Texas (11) and LA/6 -- 30
 61. 1970 -- diphtheria (ICD-8 code 032), especially Texas (6), AZ/5, LA/4K, CA/3 -- 30
62. 1969 -- diphtheria (ICD-8 code 032), especially Texas (8), LA/4, WA/3 -- 25
 63. 1883 -- Sep-Oct, diphtheria, Orange County, NC -- 22
 64. 1745 -- “throat distemper” (diphtheria), Hampton and especially Kensington/16, NH -- 21
 65. 1966 -- diphtheria, especially Texas (6) -- 20
66. 1965 -- diphtheria, especially Alabama (5) -- 18
 67. 1776 -- “Throat Ail” (diphtheria?), especially children, Athol, MA -- 16
 68. 1764 -- “throat distemper” (diphtheria), especially children, Westminster, MA -- 15
 69. 1756 -- summer, diphtheria epidemic, children, Saco, ME -- 14
 70. 1971 -- diphtheria (ICD-8 code 032), AK/CA/LA/TX 2 each, FL/GA/KS/MN/PA 1 each-- 13
 71. 1755 -- early fall, diphtheria, New Casco, ME -- 10
 72. 1763 -- winter, throat distemper epidemic (diphtheria), Philadelphia, PA -- >10
 73. 1769 -- throat distemper (diphtheria), especially children, New York City, NY -- >10

²⁸⁴ “Canker rash” was term used to describe what was later referred to as scarlet fever and diphtheria. There were similar and dissimilar symptoms. Thus without detailed descriptions at the time it is not clear which disease. Thus, we choose to cross-list this entry in both diphtheria and scarlet fever, rather than once in “Other.”

74. 1972 -- diphtheria (ICD-8 code 032), AK/2, NE/2, NY/2, WA/4	--	10
75. 1973 -- diphtheria (ICD-8 code 032), CA/2, FL/1, MA/1, NM/2, OR/3, WA/1	--	10

Diphtheria – By Mortality

1976 -- diphtheria (ICD-8 code 032), CA/1, CO/1, NM/1, OH/1, TX/1, WA/2	--	7
1974 -- diphtheria; ICD-8 code 032; CA (1), CO (1), TX (2), WA (1)	--	5
1975 -- diphtheria; ICD-8 code 032, AK (1), AZ (1), VA (1), CO (1), IL (1)	--	5
1977 -- diphtheria (ICD-8 code 032), CA/1, IN/1, NY/2, TX/1	--	5
1978 -- diphtheria (ICD-8 code 032), AZ/1, CA/1, NE/1, TN/1	--	4
1979 -- diphtheria (ICD-8 code 032), CA (1)	--	1
1980 -- diphtheria (ICD-8 code 032), TX (1)	--	1
1982 -- diphtheria (ICD-8 code 032), WI (1)	--	1
1987 – diphtheria (ICD-8 code 032), FL (1)	--	1
1981 – diphtheria (ICD-8 code 032)	--	0
1983 – diphtheria (ICD-8 code 032)	--	0
1984 – diphtheria (ICD-8 code 032)	--	0
1985 – diphtheria (ICD-8 code 032)	--	0
1986 – diphtheria (ICD-8 code 032)	--	0
1988 – diphtheria (ICD-8 code 032)	--	0
1989 – diphtheria (ICD-8 code 032)	--	0
1990 – diphtheria (ICD-8 code 032)	--	0
1991 – diphtheria (ICD-8 code 032)	--	0
1992 – diphtheria (ICD-8 code 032)	--	0
1993 – diphtheria (ICD-8 code 032)	--	0
1994 – diphtheria (ICD-8 code 032)	--	0
1995 – diphtheria (ICD-8 code 032)	--	0
1996 – diphtheria (ICD-8 code 032)	--	0
1997 – diphtheria (ICD-8 code 032)	--	0

Disease -- DIPHTHERIA -- Chronological

1. 1735-1741 (esp. 1735-37), “throat distemper” (diphtheria),²⁸⁵ esp. CT/ME/MA/NH --5,000
2. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (diphtheria), Greenland & esp. Stratham, NH -- 97
3. 1745 -- “throat distemper” (diphtheria), Hampton and especially Kensington/16, NH -- 21
4. 1747 -- “throat distemper (diphtheria), MA (≥ 89) and Kensington, NH (48-52) --137- ≥ 141
5. 1749-50 -- “throat distemper” (diphtheria), MA, esp. Tewksbury (≥ 38) -- $\geq 106-112$
6. 1751-52 -- “throat distemper” (diphtheria), esp. Abington/Hingham/Weymouth, MA --240-290
7. 1753 -- “throat distemper (diphtheria), Exeter, Stratham and Rye, NH -- ~72
8. 1754-55, Jan ‘54-July ‘55 -- “throat distemper” (diphtheria), esp. children, Hampton, NH -- 51
9. 1756 -- summer, diphtheria epidemic, children, Saco, ME -- 14
10. 1763 -- winter, throat distemper epidemic (diphtheria), Philadelphia, PA -- >10

11. 1764 -- “throat distemper” (diphtheria), especially children, Westminster, MA -- 15
12. 1767-70 -- diphtheria epidemic (12% of population, mostly children), Oxford, MA --96-144
13. 1769 -- throat distemper (diphtheria), especially children, New York City, NY -- >10

14. 1776 -- “Throat Ail” (diphtheria?), especially children, Athol, MA -- 16

15. 1795 -- “throat distemper” (diphtheria), Royalston (66) and Rutland (5) MA -- 71

16. 1810-11 -- “Canker Rash” (diphtheria or scarlet fever),²⁸⁶ children, Winchendon, MA -- 59

17. 1858 -- diphtheria, April-fall, Albany, NY -- 167

18. 1863 -- diphtheria, Vermont -->1,300

19. 1870 -- diphtheria, nationwide --6,303
20. 1875 -- croup and diphtheria, MI (374) and Hudson County, NJ (533) -- 907
21. 1876 -- diphtheria, Hudson County, NJ -- 327
22. 1877 -- diphtheria, Santa Cruz, CA; Hudson County, NJ -- 349
23. 1878 -- diphtheria, Hudson County, NJ -- 177
24. 1879 -- diphtheria, MN (955) and Hudson County, NJ (120)²⁸⁷ --1,071
25. 1879 -- June-May 1880, diphtheria, esp. PA/4.6K; IL/3.7K; NY/2.3K; IA/2.3K, ME/MI/WI--38,143

26. 1880 -- diphtheria, NY, esp. children, esp. NYC & Brooklyn; elsewhere NY --1,805-2,303
27. 1881 -- diphtheria, esp. NY/3.7K (NYC/2249, Brooklyn/1143), MI/2K, MA/1K, NJ/972 --10,886
28. 1883 -- Sep-Oct, diphtheria, Orange County, NC -- 22
29. 1885 -- diphtheria & croup, localities in 16 states; esp. NY/4508, MI/1552, NJ/1496 --10,788
30. 1887 -- diphtheria, esp. NY/6490 (NYC/4509), Chicago/1405, St. Louis/1112, Philly--14,507

²⁸⁵ Referred to as throat distemper, and other names at the time, descriptions point to what was later named diphtheria. Scarlet fever occurred as well, with deaths, but sources indicate the major epidemic was diphtheria.

²⁸⁶ “Canker rash” was term used to describe what was later referred to as scarlet fever and diphtheria. There were similar and dissimilar symptoms. Thus without detailed descriptions at the time it is not clear which disease.

Thus, we choose to cross-list this entry in both diphtheria and scarlet fever, rather than once in “Other.”

²⁸⁷ There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.

31. 1889-90, June-May, diphtheria, 48 States & DC, esp. NY/4K, PA/2.9K, IL/2.6K --27,815

Disease -- DIPHTHERIA -- Chronological (continued):

32. 1894 -- diphtheria, NY/6.6K, esp. NYC/2785, MA/1.5K, Chicago, 1.4K, Philly, NJ --14,606

33. 1895 -- diphtheria, Jan-Jun, esp. Boston, Brooklyn, New York -- 99

34. 1900 -- diphtheria, esp. PA/2805, NY/2673, IL/1504, MA/1072, OH/698, NJ/678 --16,475

35. 1907 -- diphtheria and croup, census registration area, esp. NY and PA (esp. Philly) --10,154

36. 1911 -- diphtheria and croup, NYC, NY --1,281

37. 1912 -- diphtheria and croup, NYC, NY --1,125

38. 1913 -- diphtheria and croup, NYC, NY --1,333

39. 1914 -- diphtheria and croup, NYC, NY --1,489

40. 1915 -- diphtheria and croup, NYC, NY --1,278

41. 1916 -- diphtheria, especially children, nationwide, esp. PA, NY, MI -->8,000-17,000

42. 1919 -- diphtheria, 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ, NY, OH --9,160

1920s – diphtheria toxoid (inactivated toxin) introduced.

43. 1920 -- diphtheria & croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885²⁸⁸ --13,395

44. 1925 -- diphtheria, esp. NY/1,006, PA/973, IL/409, OH/392, MI/360, NJ/337 --8,058

1930s – diphtheria toxoid becomes more widely available and used.

45. 1931 -- diphtheria, especially children, especially AR, IL, KY and PA --5,738

46. 1939 -- diphtheria, esp. Jan-Mar, Sep-Dec, nationwide, esp. GA, IL, NC, TX, VA --1,997

1940s – diphtheria toxoid combined with tetanus toxoid and pertussis/whooping cough vaccine

47. 1946 -- diphtheria, infectious diseases International List No. 10 --1,259

48. 1947 -- diphtheria, infectious diseases International List No. 10 -- 799

49. 1948 -- diphtheria, infectious diseases code 10 -- 634

50. 1949 -- diphtheria, code 055 -- 574

51. 1950 -- diphtheria, code 055 of sixth revision of international lists of 1948 (US PHS) -- 410

52. 1951 -- diphtheria, esp. TX/31, AL/26, NC/19, KY/17, AR/16, LA/15, PA/15, CA/14 -- 302

53. 1952 -- diphtheria (7 states double digits); AL/21 TX/21 CA/17 GA/17 SC/13, KY/12 VA/11-- 225

54. 1953 -- diphtheria, esp. GA/19 SC/16 TX/15 FL/12 AL/10 (only states in double digits)-- 158

55. 1954 -- diphtheria, esp. GA/24, SC/16, AL/14, FL/10, (only states in double digits) -- 145

56. 1955 -- diphtheria, especially AL/25, GA/18, TX/13, SC/11 (only double digit states) -- 150

57. 1956 -- diphtheria, especially TX (19), the only state with double digit death toll -- 103

58. 1957 -- diphtheria, especially TX (11), GA (8), AL (6), FL and NY (5) -- 81

59. 1958 -- diphtheria, especially GA (9), TX (8) and MS (6) -- 74

60. 1959 -- diphtheria, especially AL (9), LA (7), TX (7), SC (6), FL (5) -- 72

²⁸⁸ Data from 34 Census Bureau Registration States and a number of cities $\geq 100,000$ in non-registration states.

DIPHTHERIA – Chronological (continued):

61. 1960 -- diphtheria, especially Texas (only State in double digits -- 20)	--	69
62. 1961 -- diphtheria, especially Texas (only State in double digits -- 23)	--	68
63. 1962 -- diphtheria, especially Texas (9)	--	41
64. 1963 -- diphtheria, especially Georgia (5) and Texas (5)	--	45
65. 1964 -- diphtheria, especially Texas (10)	--	42
66. 1965 -- diphtheria, especially Alabama (5)	--	18
67. 1966 -- diphtheria, especially Texas (6)	--	20
68. 1967 -- diphtheria	--	32
69. 1968 -- diphtheria (ICD-8 code 032), especially Texas (11) and Louisiana (6)	--	30
70. 1969 -- diphtheria (ICD-8 code 032), especially Texas (8), Louisiana (4), WA/3	--	25
71. 1970 -- diphtheria (ICD-8 code 032), especially Texas (6), AZ/5, LA/4, CA/3	--	30
72. 1971 -- diphtheria (ICD-8 code 032), AK/CA/LA/TX 2 each, FL/GA/KS/MN/PA 1 each--	13	
73. 1972 -- diphtheria (ICD-8 code 032), AK/2, NE/2, NY/2, WA/4	--	10
74. 1973 -- diphtheria (ICD-8 code 032), CA/2, FL/1, MA/1, NM/2, OR/3, WA/1	--	10
1974 -- diphtheria; ICD-8 code 032; CA (1), CO (1), TX (2), WA (1)	--	5
1975 -- diphtheria; ICD-8 code 032, AK (1), AZ (1), VA (1), CO (1), IL (1)	--	5
1976 -- diphtheria (ICD-8 code 032), CA/1, CO/1, NM/1, OH/1, TX/1, WA/2	--	7
1977 -- diphtheria (ICD-8 code 032), CA/1, IN/1, NY/2, TX/1	--	5
1978 -- diphtheria (ICD-8 code 032), AZ/1, CA/1, NE/1, TN/1	--	4
1979 -- diphtheria (ICD-8 code 032), CA (1)	--	1
1980 -- diphtheria (ICD-8 code 032), TX (1)	--	1
1981 -- diphtheria (ICD-8 code 032)	--	0
1982 -- diphtheria (ICD-8 code 032), WI (1)	--	1
1983 -- diphtheria (ICD-8 code 032)	--	0
1984 -- diphtheria (ICD-8 code 032)	--	0
1985 -- diphtheria (ICD-8 code 032)	--	0
1986 -- diphtheria (ICD-8 code 032)	--	0
1987 -- diphtheria (ICD-8 code 032), FL (1)	--	1
1988 -- diphtheria (ICD-8 code 032)	--	0
1989 -- diphtheria (ICD-8 code 032)	--	0
1990 -- diphtheria (ICD-8 code 032)	--	0
1991 -- diphtheria (ICD-8 code 032)	--	0
1992 -- diphtheria (ICD-8 code 032)	--	0
1993 -- diphtheria (ICD-8 code 032)	--	0
1994 -- diphtheria (ICD-8 code 032)	--	0
1995 -- diphtheria (ICD-8 code 032)	--	0
1996 -- diphtheria (ICD-8 code 032)	--	0
1997 -- diphtheria (ICD-8 code 032)	--	0

Disease -- DYSENTERY / SHIGELLOSIS -- By Mortality

1. 1861-65--Apr-June, dysentery, Civil War, apparently Union & Confederate forces ~95,000
2. 1850 -- dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965 --20,556
3. 1900 -- dysentery, esp. AL/861, TX/794, GA/781, NY/676, TN/663 SC/578 AR/541 --11,710
4. 1870 -- dysentery, esp. NY/1,068; PA/684; IL/664; MO/503; OH/461; MA/427 --7,912
5. 1864 -- Feb 24-Apr 17, 1865, diarrhea & dysentery, Union POW's, Andersonville, GA --5,605
6. 1920 -- dysentery, 33 registration states --3,574
7. 1863 -- Sep-June 1865, diarrhea & dysentery, Confederate POWs, Point Lookout, MD --2,050
8. 1949 -- dysentery, infectious, all forms (codes 045-048) --1,440
9. 1864 -- July to June 1865, diarrhea and dysentery, Confederate POWs. Elmira, NY --1,394
10. 1946 -- dysentery, infectious and parasitic diseases International List code 27 -- 952

11. 1952 -- dysentery, infectious, all forms (codes 045-048), esp. TX/249, MS/71 KY/61 GA/46--939
12. 1953 -- dysentery, infectious, all forms (codes 045-048), esp. TX/268, MS/52, GA/41 -- 886
13. 1947 -- dysentery, infectious and parasitic diseases Int. List code 27 -- 869
14. 1862 -- Feb-June 1865, diarrhea & dysentery, Confederate POWs, Camp Douglas, IL -- 698
15. 1954 -- dysentery, infectious, all forms (codes 045-048), esp. TX/172 and MS/61 -- 655
16. 1863 -- Aug-June 1865, diarrhea & dysentery, Confederate POWs, Fort Delaware, DE-- 644
17. 1863 -- Nov 23-Mar 27 1865 (16 mo.), dysentery,²⁸⁹ Union POWs, Prison Hosp., Danville VA-- 592
18. 1775 -- dysentery, DE, MD, NJ (≥ 10), but primarily CT (≥ 146) and MA (≥ 326) -- ≥ 482
19. 1777 -- dysentery, CT, NJ, PA, VT, and especially MA (≥ 255) and NY (≥ 100) -- ≥ 416
20. 1793 -- dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic. --hundreds
21. 1863 -- June-June 1865 (25 mo.), dysentery/diarrhea, Confederate POWs, Camp Morton, IN-- 315
22. 1963 -- dysentery, all, esp. TX/65, CA/27, AZ/25, MS/15, GA/14, IL/13, NM/13 -- 294
23. 1964 -- dysentery, all forms, esp. TX/59, CA/25, MS/25, GA/17, NC/11, TN/10 -- 283
24. 1749 -- dysentery epidemics, CT, esp. Waterbury (130) Woodbury (57), CT --252-262
25. 1862 -- Sep-June 1865 (34 months), dysentery/diarrhea, Confederate POWs, Alton, IL-- 229
26. 1864 -- Feb-June 1865 (17 mo.), dysentery/diarrhea, Confederate POWs, Camp Chase, OH-- 226
27. 1756 -- epidemics, esp. dysentery; Mass. Bay Col., esp. Rutland/60, Lancaster/42, MA -- >225

28. 1966 -- dysentery, especially TX (31), GA (12), CA (11), MS (11), NM (10) -- 172
29. 1797 -- sum-fall, dysentery, esp. Nantucket Isl. (100), Westport, MA (30); Hanover NH (24)-- 163
30. 1795 -- dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60-- ≥ 156
31. 1798 -- Sum-fall, dysentery, VT, esp. Norwich/Pomfret/Salem/Sandgate, Shays' Stlmt., VT-- ≥ 141
32. 1802 ---Aug-Nov 2, dysentery, esp. Greenfield & Shelburne MA (92), Bridport, VT (16)--137
33. 1796 -- dysentery, VT, MA, esp. Sheffield/mill ponds area, MA & Worcester MA -- ≥ 113 -129
34. 1751 -- dysentery epidemic, Canaan (~10), Hartford (64) and New Haven (45), CT -- ~119
35. 1800 -- Sum., dysentery outbreak, esp. children, esp. Frankestown & Hanover NH --103-113
36. 1778 -- Late Sum-fall, dysentery, esp. Dunstable, Lexington, Medford, Tewksbury, MA--111
37. 1769 -- Aug-Sep, Flux (dysentery) and fever outbreak, esp. children, Boston, MA -- ~108

38. 1803 -- summer-fall, dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50)-- ≥ 82
39. 1745 -- Malignant dysentery epidemics, Shrewsbury, MA, esp. Stamford (one st.), CT -- ≥ 80
40. 1776 -- dysentery epidemics, NY (especially northern NY), MA and NJ -- ≥ 76

²⁸⁹ "diarrhoea and dysentery."

Disease -- DYSENTERY -- By Mortality:

41. 1746 -- dysentery (“fever & Flux”) epidemics, esp. Harvard/37, Westborough/25 MA -- ≥ 62
42. 1742 -- Aug-summer 1743, dysentery outbreak, East Haven (population ~500), CT --43-60
43. 1804 -- summer-fall (2 month period), dysentery (especially children), Orwell, VT -- 60
44. 1676 -- Aug-Sep, Bloody Flux (dysentery) Mass. Bay Colony, especially Boston²⁹⁰ -- 50
45. 1805 -- Sep-Oct (esp.), dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA -- 50

46. 1857 -- Jan (beginning), “National Hotel Disease,” dysentery?, Washington, DC -- >36
47. 1767 -- Late summer, epidemic (dysentery?), New York City, NY²⁹¹ -- ≥ 30
48. 1799 -- summer-fall, dysentery, especially children, Hanover and adjacent towns, NH --20-30
49. 1753 -- late summer-fall (~2 mo.), dysentery (“Camp Distemper”), esp. Norwich, CT -- 28
50. 1994 -- shigellosis (infectious diarrhea / bacillary dysentery) ICD-9 code 004.0 -- 13
51. 1801 -- Oct (1st week), dysentery (3-4 children a day), Salem, MA -- ≥ 10

²⁹⁰ Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.

²⁹¹ Our number. Source notes “fifteen deaths were reported daily” during an epidemic (dysentery section of a paper).

Disease -- **DYSENTERY / SHIGELLOSIS** -- **Chronological**

1. 1676 -- Aug-Sep, "Bloody Flux" (dysentery), Mass. Bay Colony, especially Boston²⁹²-- 50
2. 1742 -- Aug-summer 1743, dysentery outbreak, East Haven (population ~500), CT --43-60
3. 1745 -- malignant dysentery epidemics, Shrewsbury, MA, esp. Stamford (one st.), CT -- ≥80
4. 1746 -- dysentery ("fever & Flux") epidemics, esp. Harvard/37, Westborough/25 MA -- ≥62
5. 1749 -- dysentery epidemics, CT, esp. Waterbury (130) Woodbury (57), CT --252-262
6. 1751 -- dysentery epidemic, Canaan (~10), Hartford (64) and New Haven (45), CT -- ~119
7. 1753 -- Late summer-fall (~2 mo.), dysentery ("Camp Distemper"), esp. Norwich, CT-- 28
8. 1756 -- epidemics, esp. dysentery; Mass. Bay Col., esp. Rutland/60, Lancaster/42, MA -->225
9. 1767 -- Late summer, epidemic (dysentery?), New York City, NY²⁹³ -- ≥30
10. 1769 -- Aug-Sep, Flux (dysentery) and fever outbreak, esp. children, Boston, MA -- ~108
11. 1775 -- dysentery, DE, MD, NJ (≥10), but primarily CT (≥146) and MA (≥326) -- ≥482
12. 1776 -- dysentery epidemics, NY (especially northern NY), MA and NJ -- ≥76
13. 1777 -- dysentery, CT, NJ, PA, VT, and especially MA (≥255) and NY (≥100) -- ≥416
14. 1778 -- late sum.-fall, dysentery, esp. Dunstable, Lexington, Medford, Tewksbury, MA-- 111
15. 1793 -- dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic. --hundreds
16. 1795 -- dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60 --≥156
17. 1796 -- dysentery, VT, MA, esp. Sheffield/mill ponds area, MA & Worcester MA --≥113-129
18. 1797 -- sum-fall, dysentery, esp. Nantucket Isl. (100), Westport, MA (30); Hanover NH (24)-- 163
19. 1798 -- sum-fall, dysentery, VT, esp. Norwich/Pomfret/Salem/Sandgate, Shays' Stlmt., VT--≥141
20. 1799 -- summer-fall, dysentery, especially children, Hanover and adjacent towns, NH --20-30
21. 1800 -- summer, dysentery epidemic, esp. children, Hanover and adjacent towns, NH --70-80
22. 1801 -- Oct (1st week), dysentery (3-4 children a day), Salem, MA -- ≥10
23. 1802 -- Aug 1-Nov 2, dysentery, especially children, Greenfield, MA -- 52
24. 1803 -- sum-fall, dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50) -- ≥82
25. 1804 -- summer-fall (2 month period), dysentery (especially children), Orwell, VT -- 60
26. 1805 -- Sep-Oct (esp.), dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA-- 50
27. 1850 -- dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965 --20,556
28. 1857 -- Jan (beginning), "National Hotel Disease," dysentery?, Washington, DC -- >36
29. 1861-65--Apr-June, dysentery, Civil War, apparently Union & Confederate forces ~95,000
30. 1862 -- Feb-June 1865, diarrhea & dysentery, Confederate POWs, Camp Douglas, IL -- 698
31. 1862 -- Sep-June 1865 (34 months), dysentery/diarrhea, Confederate POWs, Alton, IL-- 229
32. 1863 -- June-June 1865 (25 mo.), dysentery/diarrhea, Confederate POWs, Camp Morton, IN -- 315
33. 1863 -- Aug-June 1865, diarrhea & dysentery, Confederate POWs, Fort Delaware, DE-- 644
34. 1863 -- Sep-June 1865, diarrhea & dysentery, Confederate POWs, Point Lookout, MD--2,050

²⁹² Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.

²⁹³ Our number. Source notes "fifteen deaths were reported daily" during an epidemic (dysentery section of a paper).

35. 1863 -- Nov 23-Mar 27 1865 (16 mo.), dysentery,²⁹⁴ Union POWs, Prison Hosp., Danville, VA--592
 36. 1864 -- Feb-Jun 1865 (17 mo.), dysentery/diarrhea, Confederate POWs, Camp Chase, OH -- 226
 37. 1864 -- Feb 24-Apr 17, 1865, diarrhea & dysentery, Union POW's, Andersonville, GA --5,605
 38. 1864 -- July to June 1865, diarrhea and dysentery, Confederate POWs. Elmira, NY --1,394

Disease -- **DYSENTERY/Shigellosis** -- **Chronological** (cont.)

39. 1870 -- dysentery, esp. NY/1,068; PA/684; IL/664; MO/503; OH/461; MA/427 --7,912
 40. 1900 -- dysentery, esp. AL/861, TX/794, GA/781, NY/676, TN/663, SC/578 AR/541--11,710
 41. 1920 -- dysentery, 33 registration states --3,574
 42. 1946 -- dysentery, infectious and parasitic diseases International List code 27 -- 952
 43. 1947 -- dysentery, infectious and parasitic diseases Int. List code 27 -- 869
 44. 1949 -- dysentery, infectious, all forms (codes 045-048) --1,440
 45. 1952 -- dysentery, infectious, all forms (codes 045-048), esp. TX/249, MS/71, KY/61, GA/46-- 939
 46. 1953 -- dysentery, infectious, all forms (codes 045-048), esp. TX/268, MS/52, GA/41 -- 886
 47. 1954 -- dysentery, infectious, all forms (codes 045-048), esp. TX/172 and MS/61 -- 655
 48. 1963 -- dysentery, all, esp. TX/65, CA/27, AZ/25, MS/15, GA/14, IL/13, NM/13 -- 294
 49. 1964 -- dysentery, all forms, esp. TX/59, CA/25, MS/25, GA/17, NC/11, TN/10 -- 283
 50. 1966 -- dysentery, especially TX (31), GA (12), CA (11), MS (11), NM (10) -- 172
 51. 1994 -- shigellosis (infectious diarrhea / bacillary dysentery) ICD-9 code 004.0 -- 13

²⁹⁴ "diarrhoea and dysentery."

Encephalitis -- St. Louis Encephalitis and Acute Infectious Encephalitis-- By Mortality

1. 1946 -- encephalitis, acute infectious, International List infectious diseases code 37 -- 642
2. 1948 -- encephalitis, acute infectious (viral), 1948 ICD infectious diseases code 37 -- 570
3. 1954 -- encephalitis, acute infectious (viral); esp. NY/52, PA/31, MI/27, TX/26, CA/24-- 407
4. 1953 -- encephalitis, acute infectious (viral) -- 386
5. 1933 -- July 30-Sep, St Louis Encephalitis epidemic, St. Louis City & County, MO -- 201
6. 1975 -- St. Louis Encephalitis outbreak, IL (47), also MS (13) -- 60
7. 1964 -- June 27-Oct 3, St. Louis Encephalitis epidemic, Houston/33; elsewhere/24²⁹⁵ -- 57
8. 1938 -- encephalitis, MA (38 cases and 25 deaths) -- 25

Encephalitis -- St. Louis Encephalitis and Acute Infectious Encephalitis-- Chronological

1. 1933 -- July 30-Sep, St Louis Encephalitis epidemic, St. Louis City & County, MO -- 201
2. 1938 -- encephalitis, MA (38 cases and 25 deaths) -- 25
3. 1946 -- encephalitis, acute infectious, International List infectious diseases code 37 -- 642
4. 1948 -- encephalitis, acute infectious (viral), 1948 ICD infectious diseases code 37 -- 570
5. 1953 -- encephalitis, acute infectious (viral) -- 386
6. 1954 -- encephalitis, acute infectious (viral); esp. NY/52, PA/31, MI/27, TX/26, CA/24-- 407
7. 1964 -- June 27-Oct 3, St. Louis Encephalitis epidemic, Houston/33; elsewhere/24²⁹⁶ -- 57
8. 1975 -- St. Louis Encephalitis outbreak, IL (47), also MS (13) -- 60

²⁹⁵ Some non-Houston deaths, such as some of five in Hale County, TX, area may have been Western Encephalitis.

Two deaths in CO, 3 in IL, 2 deaths for IN, 1 in KY, 8 in NJ, 2 in PA, and 1 in TN.

²⁹⁶ Some non-Houston deaths, such as some of five in Hale County, TX, area may have been Western Encephalitis.

Two deaths in CO, 3 in IL, 2 deaths for IN, 1 in KY, 8 in NJ, 2 in PA, and 1 in TN.

Disease – HANTAVIRUS – By Mortality

1. 1993 -- Apr-Dec, Hantavirus Pulmonary Syndrome, esp. Native Americans, NM/AZ -- 32
2. 2016 -- Hantavirus (cardio)-pulmonary Syndrome (HPS), ICD 10 Code B33.4 -- 10

Disease – HANTAVIRUS – Chronological

1. 1993 -- Apr-Dec, Hantavirus Pulmonary Syndrome, esp. Native Americans, NM/AZ -- 32
2. 2016 -- Hantavirus (cardio)-pulmonary Syndrome (HPS), ICD 10 Code B33.4 -- 10

Disease -- HEPATITIS (Viral/Infectious) -- By Mortality

1. 2013 -- viral hepatitis, ICD-10 code B-15-B19, esp. OR/6.0 death rate, DC/5.9	--8,157
2. 2014 -- viral hepatitis, ICD-10 code B-15-B19, esp. DC, OR (5.3 death rate per 100,000)	--8,081
3. 2012 -- viral hepatitis, ICD-10 code B-15-B19, esp. NM/99, AZ/291, CA/1,387	--8,062
4. 2011 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.5 per 100K), esp. DC (7.1)	--7,850
5. 2010 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.4 per 100K), esp. OK (4.9)	--7,564
6. 2015 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 6.4 per 100,000)	--7,461
7. 2016 -- viral hepatitis, ICD-10 code B15-B19, (US death rate 2.0 per 100K) esp. DC (4.8)	--6,421
8. 1961 -- hepatitis, infectious	-- 976
9. 1960 -- hepatitis, infectious	-- 938
10. 1967 -- infectious hepatitis	-- 844
11. 1965 -- hepatitis, infectious, US death rate 0.4 per 100,000 population	-- 707
12. 1949 -- hepatitis, infectious (code 092); PHS. <i>Vital Statistics...1949...Mortality</i>	-- 560
13. 2009 -- hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths)	-- 26

Disease -- HEPATITIS (Viral/Infectious) -- Chronological

1. 1949 -- hepatitis, infectious (code 092); PHS. <i>Vital Statistics...1949...Mortality</i>	-- 560
2. 1960 -- hepatitis, infectious	-- 938
3. 1961 -- hepatitis, infectious	-- 976
4. 1965 -- hepatitis, infectious, US death rate 0.4 per 100,000 population	-- 707
5. 1967 -- infectious hepatitis	-- 844
6. 2009 -- Hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths)	-- 26
7. 2010 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.4 per 100K), esp. OK (4.9)	--7,564
8. 2011 -- viral hepatitis, ICD-10 code B-15-19 (death rate 2.5 per 100K), esp. DC (7.1)	--7,850
9. 2012 -- viral hepatitis, ICD-10 code B-15-B19, esp. NM/99, AZ/291, CA/1,387	--8,062
10. 2013 -- viral hepatitis, ICD-10 code B-15-B19, esp. OR/6.0 death rate, DC/5.9	--8,157
11. 2014 -- viral hepatitis, ICD-10 code B-15-B19, esp. DC, OR (5.3 death rate per 100,000)	--8,081
12. 2015 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 6.4 per 100,000)	--7,461
13. 2016 -- viral hepatitis, ICD-10 code B15-B19, esp. DC (death rate 4.8 per 100K; US 2.0)	--6,421

Disease -- HIV/AIDS -- by Mortality

Also known as HIV/AIDS (Human Immunodeficiency virus/Acquired immunodeficiency syndrome).

1. 1989 -- HIV AIDS, US death rate 8.9, DC/55.7, NY/25.6, NJ/19.6, FL/16.1, CA/14.9 22,082
2. 1988 -- HIV AIDS, US death rate 6.8, DC/39.0, NY/22.2, NJ/114.9, FL/11.7, CA/11. 16,602
3. 2010 -- HIV/AIDS, U.S., nationally 15,525
4. 1987 -- HIV Infection/AIDS, death rate 5.55, esp. DC/28.1, NY/19.1, NJ/13.7, CA/9.5 13,468
5. 1986 -- HIV AIDS, New York City (2,650), U.S. 12,053
6. 1985 -- HIV AIDS, New York City (1,663), U.S. --6,903
7. 2016 -- HIV AIDS, US death rate 1.9, DC/12.0, FL/4.2, LA/3.9 GA/3.4 MD/3.2 --6,160
8. 2017 -- HIV, US death rate 1.75 per 100K, esp. DC/9.8, MS/3.8, FL/3.6, LA/3.5 --5,698
9. 2018 -- HIV; US death rate 1.66 per 100K, esp. DC/9.25, MS/4.15, LA/3.4 FL/3.3 --5,425
10. 2020 -- HIV, US death rate 1.55, esp. DC/9.4, FL/3.1, MS/3.34, GA/3.1, MD/2.96 --5,155
11. 2019 -- HIV, US death rate 1.54 per 100K pop.; DC/10.0, FL/3.2, MD, 3.0, GA/2.7 --5,044
12. 2021 -- HIV, US death rate 1.50, esp. DC/7.46, FL/2.89, GA/2.76, MS/2.71, LA/2.7 --4,977
13. 1984 -- HIV AIDS, New York City (952) --3,578
14. 1983 -- HIV AIDS, New York City (425), U.S. --1,500
15. 1982 -- HIV AIDS, U.S. -- 618
16. 1981 -- HIV AIDS (Human Immunodeficiency Virus Infection/Acquired Immune Deficiency Syndrome) -- 234

Disease -- HIV/AIDS -- Chronological

Also known as HIV/AIDS (Human Immunodeficiency virus/Acquired immunodeficiency syndrome).

1. 1981 -- HIV AIDS (Human Immunodeficiency Virus Infection/Acquired Immune Deficiency Syndrome) -- 234
2. 1982 -- HIV AIDS, U.S. -- 618
3. 1983 -- HIV AIDS, New York City (425), U.S. --1,500
4. 1984 -- HIV AIDS, New York City (952) --3,578
5. 1985 -- HIV AIDS, New York City (1,663), U.S. --6,903
6. 1986 -- HIV AIDS, New York City (2,650), U.S. 12,053
7. 1987 -- HIV Infection/AIDS, death rate 5.55, esp. DC/28.1, NY/19.1, NJ/13.7, CA/9.5 13,468
8. 1988 -- HIV AIDS, US death rate 6.8, DC/39.0, NY/22.2, NJ/114.9, FL/11.7, CA/11. 16,602
9. 1989 -- HIV AIDS, US death rate 8.9, DC/55.7, NY/25.6, NJ/19.6, FL/16.1, CA/14.9 22,082
10. 2010 -- HIV/AIDS, U.S., nationally 15,525
11. 2016 -- HIV AIDS, US death rate 1.9, DC/12.0, FL/4.2, LA/3.9 GA/3.4 MD/3.2 --6,160
12. 2017 -- HIV, US death rate 1.75 per 100K, esp. DC/9.8, MS/3.8, FL/3.6, LA/3.5 --5,698
13. 2018 -- HIV; US death rate 1.66 per 100K, esp. DC/9.25, MS/4.15, LA/3.4 FL/3.3 --5,425
14. 2019 -- HIV, US death rate 1.54 per 100K pop.; DC/10.0, FL/3.2, MD, 3.0, GA/2.7 --5,044
15. 2020 -- HIV, US death rate 1.55, esp. DC/9.4, FL/3.1, MS/3.34, GA/3.1, MD/2.96 --5,155
16. 2021 -- HIV, US death rate 1.50, esp. DC/7.46, FL/2.89, GA/2.76, MS/2.71, LA/2.7 --4,977
- 17.

Disease -- INFLUENZA/Grip (sometimes including pneumonia) -- By Mortality

1.	1918-19, influenza and pneumonia epidemic	531,851-728,922
	1918 -- influenza and pneumonia epidemic	430,000-543,482
	1919 -- influenza and pneumonia epidemic	101,851-185,440
2.	1920 -- influenza and pneumonia, nationwide	141,609-220,798
3.	1957-58, esp. fall-Spring -- H2N2 “Asian” influenza and pneumonia pandemic	~116,000
4.	1917 -- influenza (12,974); Bronchitis (12,311); pneumonia (74,874)	100,159-115,526
5.	1939 -- influenza (21,464) & pneumonia, esp. CA, IL, MI MO, NY, OH, PA, TX	99,097
6.	1940 -- influenza and pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX	92,525
7.	2017-2018 -- winter (March 2018 end) influenza (primarily H3N2)	~80,000
8.	1966 -- Jan-Dec, influenza and pneumonia, nationwide	63,615
9.	1928-29 -- winter, influenza and pneumonia epidemic	~50,000
10.	1870 -- pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA	40,012
11.	1968-69 -- (Sep-March), A2 “Hong Kong” influenza (and pneumonia), nationwide	33,800
12.	1931 -- influenza (31,701) pneumonia all forms was another 96,974, especially PA	31,701
13.	1925 -- influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464	30,538
14.	1930 -- influenza, 48 States and District of Columbia (pneumonia was 88,770)	--23,066
15.	1915, Dec-Jan 1916 -- influenza & pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI	21,102
16.	1916 -- influenza	18,886
17.	1890 -- Jan-March ²⁹⁷ influenza (La Grippe/Russian Flu), esp. NY/IL/CT/OH/PA	--16,295-17,807
18.	1944 -- influenza, especially Jan-Apr & Dec, nationwide, especially OH, PA, TX	17,320
19.	1900 -- influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667	16,645
20.	1891 -- March-May, influenza & pneumonia, esp. Chicago/6,800, NY/5,572	12,472
21.	2009 -- Apr 12-Apr 10, 2010, H1N1 “Swine Flu” Pandemic (U.S.)	12,469
22.	2018 -- influenza, ICD-10 codes J09-11.8, death rate 3.4 per 100K pop., esp. WV/6.6	11,164
23.	1914 -- The Year, influenza and pneumonia, NYC, NY	10,500
24.	1907 -- influenza, Census “Registration” States and Localities	≥10,066
25.	1953 -- influenza, esp. TX/716 OH/532 MO/484 PA/460 GA/427 TN/414 AL/393	--9,500
26.	1946 -- influenza, infectious and parasitic diseases International List code 33	--8,783
27.	1976 -- influenza, ICD-8 codes 470-474, death rate 3.6 per 100K, esp. NE/12.9	--7,877
28.	1960 -- influenza, ²⁹⁸ US death rate 4.4 per 100K; esp. AL/11.5, SC/11.2, MS/10.9	--7,872
29.	1947 -- influenza, infectious and parasitic diseases code 33	--7,664
30.	1957 -- influenza, especially PA/476, NY/471, TX/459, OH/437. GA/341, NC/318	--7,463
31.	1963 -- influenza, ²⁹⁹ US death rate 3.8; SC/11.9, KY/11.6, WV/11, MS/10.9 TN/9.3	--7,083
32.	1968 -- influenza, ICD-8 codes 470-474/death rate 3.5 per 100K, esp. VE/15.0, NE/9.1	--7,062
33.	2017 -- influenza; death rate 2.0 per 100K pop.; esp. ME/5.2, MT/5.1, OR/4.9, WA/4.2	--6,515
34.	1812 -- Oct-June 1813 (esp.), peripneumony/lung fever (pneumonia), VT, esp. Burlington-4350-6400	
35.	1969 -- influenza, ICD-8 codes 470-474/death rate 2.96 per 100K, esp. KS/7., SC/6., MT/6.--	5,971
36.	2020 -- influenza (distinct from 47,601 pneumonia deaths); death rate 1.8 per 100K	--5,943

²⁹⁷ Technically, what became the flu epidemic of early 1890 began in late December 1889.

²⁹⁸ Distinct from the 58,931 pneumonia deaths (codes 490493) noted in the Table 1-V, p. 1-42.

²⁹⁹ Distinct from the 63,678 pneumonia deaths noted in the next column in Table 1-12.

37. 2019 -- influenza, esp. CA/560 TX/396 NY/336 lives lost; VT/4.3 OR/3.7 NE/3.3 death rate --5,902
 38. 1952 -- influenza, esp. TX/433 PA/377 OH/335 AL/283 NC/248 VA/239 MO/226 --5,649
 39. 2015 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --5,251
 40. 1973 -- influenza, ICD-8 codes 470-74/death rate 2.4 per 100K, esp. ID/7.4 WY/7.4 WA/7.2 --5,131
 41. 1948 -- influenza, 1948 ICD infectious and parasitic diseases code 33 --5,068

Disease -- INFLUENZA, pneumonia, Grip -- By Mortality (continued):

42. 1972 -- influenza, ICD-8 codes 470-474/death rate 2.38 per 100K, esp. SD/8.9 ME/8.7 --4,986
 43. 2014 -- influenza (ICD-10 codes J09, J10, J11), especially CA (457), TX (418) --4,605
 44. 1949 -- influenza (codes 480-483); pneumonia (codes 490-493) was 40,038 --4,602
 45. 1958 -- influenza, esp. TX/415, AL/275, OH/260, TN/230, GA/206, MS/199, PA/199 --4,442
 46. 1912 -- Mar 24-June 08, pneumonia, Chicago, IL, NYC, NY --4,342
 47. 1975 -- influenza, ICD-8 codes 470-474, death rate 1.986 pre 100K, esp. KS/6.317 --4,277
 48. 1978 -- influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7 --4,052
49. 1970 -- influenza, ICD-8 codes 470-474/death rate 1.82 per 100K, esp. VT/7.6, ME/5.6, MS/5.2 --3,707
 50. 2013 -- influenza, ICD-10 codes J09-11, esp. SD (3.6) MT (3.5) ME (3.2) death rates --3,697
 51. 1962 -- influenza,³⁰⁰ US death rate 1.8 per 100K; esp. NE/5, TN/5, MS/4.2, SC/4 --3,431
 52. 1981 -- influenza, US death rate 1.31 per 100K, esp. SD/4.2, IA/3.5, UT/3.3, VT/3.3 --3,006
53. 2016 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --2,905
 54. 1950 -- influenza; separate from influenza with pneumonia/3,492 and pneumonia/40,523 --2,857
 55. 1959 -- influenza,³⁰¹ esp. TX/191, TN/133, OH/126, NY/126, IN/119, MI/108, GA/104 CA--2,845
 56. 1966 -- influenza (pneumonia deaths were 60,785), esp. CA/636, WA/154, OR/134 --2,830
 57. 1955 -- influenza, esp. OH/187 AL/183 GA/181 TX/169 PA/154 TN/136 MS/106 --2,755
 58. 1980 -- influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
 59. 1954 -- influenza, esp. TX/228 AL/180 GA/162 PA/154 OH/143 TN/120 MO/104 --2,696
60. 1900 -- June-Dec, measles / Flu epidemics, Native Alaskans, esp. western AK³⁰²--2000-2,500
 61. 1956 -- influenza, esp. PA/139, TX/153, OH/134, AL/130, GA/109, MS/100, TN/96 --2,323
 62. 1965 -- influenza,³⁰³ death rate 1.2 per 100K, esp. ME/5.0, KS/4.0, NE/3.6, VE/3.3 --2,295
 63. 1974 -- influenza, ICD-8 codes 470-474, death rate 1.30 per 100K, esp. KS/3.48 --2,201
 64. 1893 -- Dec-Jan 1894 -- epidemic influenza, NY --2,200
 65. 1961 -- influenza,³⁰⁴ US death rate 1.2 per 100K; esp. AK/3.3, KS/ME/NE at 2.7 --2,137
 66. 2009 -- Aug 30-Apr 3, 2010 -- influenza (especially H1N1) Pandemic, nationwide³⁰⁵ --2,125
 67. 1990 -- influenza, US death rate 0.84 per 100K; esp. NE//3.5; IA/3.1; ID/2.3; SD/2.3 --2,098
 68. 1985 -- influenza, death rate 0.86 per 100K, esp. NE/4.1, MT/2.8, IA/2.6, KS/2.4, WY/2.2 --2,054
69. 1988 -- influenza, US death rate 0.79 per 100K; esp. ID/3.7, IA/2.5, MT/2.6, SD/3.3 --1,943

³⁰⁰ Distinct from the 56,564 pneumonia deaths noted in the next column in Table 1-12, p. 1-20..

³⁰¹ Distinct from the 52,195 pneumonia deaths (codes 490-493) noted in the Table 78, p. 406.

³⁰² Cross-listed in measles.

³⁰³ Distinct from the 61,903 pneumonia deaths noted in the nest USPHS 1965 Mortality Data column in Table 1-14.

³⁰⁴ Distinct from the 53,038 pneumonia deaths noted in the next column in Table 1-P, p. 1-32.

³⁰⁵ Laboratory-confirmed and reported to the CDC deaths; out of 41,914 cases. Includes 348 pediatric flu deaths.

- 70. 1986 -- influenza, US death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84 --1,838
- 71. 2005 -- influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) --1,812
- 72. 2003 -- influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) --1,792
- 73. 2008 -- influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13) --1,772
- 74. 2000 -- influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) --1,765
- 75. 1998 -- influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) --1,724

Disease -- INFLUENZA, pneumonia, Grip – By Mortality (continued):

- 76. 1964 -- influenza,³⁰⁶ US death rate 0.9 per 100K, esp. MT/4.0 WA/3.8 NE/3.6 ND/3.1 --1,687
- 77. 1999 -- influenza, ICD-10 codes J09-11.8; US death rate 0.597 per 100K; esp. SD/4.913 --1,665
- 78. 1989 -- influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593
- 79. 2009 -- influenza (avian), ICD-10 code J09 (US death rate 0.5 per 100K) esp. MT (1.3) --1,557
- 80. 2011 -- influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K) --1,532
- 81. 1971 -- influenza, ICD-8 codes 470-474/death rate 0.73 per 100K, esp. ME/2.9, NE & WA/1.9 --1,504

- 82. 1967 -- influenza --1,475
- 83. 1983 -- influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
- 84. 1977 -- influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98 --1,304
- 85. 1994 -- influenza, US death rate 0.47 per 100K; esp. SD/2.6; MT/1.7; IA/ 1.5; NE/1.22 --1,229
- 86. 1991 -- influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54 --1,137
- 87. 2012 -- influenza, ICD-10 codes J09-11; US death rate 0.4; SD, 2.5 per 100K --1,106
- 88. 2004 -- influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827) --1,100
- 89. 1984 -- influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 --1,096
- 90. 1993 -- influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37 --1,044
- 91. 1992 -- influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27 --1,006

- 92. 2006 -- influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605) -- 849
- 93. 1996 -- influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616) -- 745
- 94. 1982 -- influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34 -- 727
- 95. 2002 -- influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. SD (2.237) -- 727
- 96. 1997 -- influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99) -- 720
- 97. 1987 -- influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632
- 98. 2021 -- influenza (distinct from 41,309 pneumonia deaths); death rate 0.18, esp. TN/0.60 -- 608
- 99. 1995 -- influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32 -- 606
- 100. 1979 -- influenza, US death rate 0.27 per 100K, esp. ID/1.18, NE/1.15, KS/.98, WA/.85-- 604
- 101. 1793 -- influenza epidemic, 5 counties, 4 weeks, VA -- 500
- 102. 2010 -- influenza, ICD-10 codes J09-J11; US death rate 0.2 per 100K; esp. AK, KS (.4)³⁰⁷-- 500
- 103. 2007 -- influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33)-- 411

- 104. 1760 -- winter-spring 1761, influenza epidemic, esp. Natives, esp. CT/MA/ME, PA--hundreds

- 105. 2001 -- influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20) -- 257
- 106. 1711-12 -- winter (within two months), “Malignant Distemper” (influenza?), CT -- 250

³⁰⁶ Distinct from the 51,764 pneumonia deaths noted in the next column in Table 1-14.

³⁰⁷ The ICD-10 Code for influenza and pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).

107. 1647 -- influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- ≥ 100

INFLUENZA – By Mortality – continued:

108. 1697-98 -- ~Nov 1697--~Feb 1698 (3 mo.), “mortal disease” (influenza?), Fairfield, CT-- 70
109. 1917 -- Dec 21, pneumonia, NYC, NY -- 56
110. 1901 -- Grip (influenza) epidemic, Jan 1-12, St. Louis, MO -- 54
111. 1770-71 -- winter, influenza epidemic “took scores of lives,” Philadelphia, PA -- ≥ 40
112. 1853 -- pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
113. 1732 -- Oct, influenza outbreak, New England, NY, Philadelphia/10, esp. Ipswich MA/17-- ≥ 36
114. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI³⁰⁸-- 14
115. 1789-90 -- fall-spring, influenza epidemic; CT/ME/MA/NH/NY/Philadelphia/RI³⁰⁹ --many

³⁰⁸ Placed in the “influenza” sub-type in that both sources used thought this was outbreak was probably influenza.

³⁰⁹ Sources consulted do not provide an estimate. Kohn (“New England influenza epidemic of 1789,” *Encyclopedia of plague and Pestilence*), writes it was widespread in states we note, affected thousands/fall of 1789, lasted about 4-6 weeks in each place in the first (1789) wave, was “particularly harsh on the elderly and chronically ill,” and that there were especially “many” deaths from the derivative pneumonia. Notes the “case-mortality is believed to have been less than 50 percent during the epidemic.” If there were thousands of cases, there would be many deaths.

Disease -- INFLUENZA, pneumonia, Grip -- Chronological

1. 1647 -- influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- ≥ 100
2. 1697-98 -- ~Nov 1697--~Feb 1698 (3 mo.), “mortal disease” (influenza?), Fairfield, CT-- 70
3. 1711-12 -- winter (within two months), “Malignant Distemper” (influenza?), CT -- 250
4. 1732 -- Oct, influenza outbreak, New England, NY, Philadelphia, esp. Ipswich MA/17-- ≥ 36
5. 1760-61 -- winter-spring, influenza epidemic, esp. Natives, esp. CT, MA, ME, PA --hundreds
6. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI³¹⁰-- 14
7. 1770-71 -- winter, influenza epidemic “took scores of lives,” Philadelphia, PA -- ≥ 40
8. 1789-90 -- fall-Spring, influenza epidemic; CT/ME/MA/NH/NY/Philadelphia/RI³¹¹ --many
9. 1793 -- influenza epidemic, 5 counties, 4 weeks, VA -- 500
10. 1812 -- Oct-June 1813 (esp.), Peripneumony/Lung fever (pneumonia), VT, esp. Burlington -4350-6,400
11. 1853 -- pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
12. 1870 -- pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA 40,012
13. 1890 -- Jan-March³¹² influenza (La Grippe/Russian Flu), esp. NY/IL/CT/OH/PA-- 16,295-17,807
14. 1891 -- March-May, influenza & pneumonia, esp. Chicago/6,800, NY/5,572 12,472
15. 1893-94 -- (Dec 1893-Jan 1894), epidemic influenza, NY --2,200
16. 1900 -- influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667--16,645
17. 1900 -- June-Dec, measles / Flu epidemics, Native Alaskans, esp. western AK³¹³ ~2000-2500
18. 1901 -- Jan 1-12, Grip (influenza) epidemic, St. Louis, MO -- 54
19. 1907 -- influenza, Census “Registration” States and Localities $\geq 10,066$
20. 1912 -- Mar 24-Jun 8, pneumonia, Chicago, IL, NYC, NY --4,342
21. 1914 -- The Year, influenza and pneumonia, NYC, NY 10,500
22. 1915-16 - Dec-Jan 1916, influenza & pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI 21,102
23. 1916 -- influenza 18,886
24. 1917 -- influenza/12,974; Bronchitis/12,311; pneumonia/74,874 --100,159-115,526

³¹⁰ Placed in the “influenza” sub-type in that both sources used thought this was outbreak was probably influenza.

³¹¹ Sources consulted do not provide an estimate. Kohn (“New England influenza epidemic of 1789,” *Encyclopedia of plague and Pestilence*), writes it was widespread in states we note, affected thousands/fall of 1789, lasted about 4-6 weeks in each place in the first (1789) wave, was “particularly harsh on the elderly and chronically ill,” and that there were especially “many” deaths from the derivative pneumonia. Notes the “case-mortality is believed to have been less than 50 percent during the epidemic.” If there were thousands of cases, there would be many deaths.

³¹² Technically, what became the flu epidemic of early 1890 began in late December 1889.

³¹³ Cross-listed in measles.

25. 1917 -- Dec 21, pneumonia, NYC, NY	--	56
26. 1918-1919, influenza and pneumonia epidemic		531,851-728,922
1918 -- influenza and pneumonia epidemic		430,000-543,482
1919 -- influenza and pneumonia epidemic		101,851-185,440

Disease -- **INFLUENZA, pneumonia, Grip** -- **Chronological** (continued)

27. 1920 -- influenza and pneumonia (1918-1920 subset)		141,609-220,798
28. 1925 -- influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464		30,538
29. 1928-29 -- winter, influenza and pneumonia epidemic		~50,000
30. 1930 -- influenza, 48 States and District of Columbia (pneumonia was 88,770)	--	23,066
31. 1931 -- influenza (31,701); pneumonia, all forms, another 96,974, especially PA	--	31,701
32. 1939 -- influenza; pneumonia another 77,633; esp. CA IL MI MO, NY, OH, PA, TX	--	21,464
33. 1940 -- influenza and pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX		92,525
34. 1944 -- influenza, especially Jan-Apr & Dec, nationwide, especially OH, PA, TX		17,320
35. 1946 -- influenza, infectious and parasitic diseases International List code 33		--8,783
36. 1947 -- influenza, infectious and parasitic diseases International List code 33		--7,664
37. 1948 -- influenza, 1948 ICD infectious and parasitic diseases code 33		--5,068
38. 1949 -- influenza (codes 480-483); pneumonia (codes 490-493) was 40,038)		--4,602
39. 1950 -- influenza; separate from influenza with pneumonia/3,492 and pneumonia/40,523	--	2,857
40. 1951 -- influenza; (influenza with pneumonia/3,533; broncho-pneumonia/20,076)	--	3,094
41. 1952 -- influenza, esp. TX/433 PA/377 OH/335 AL/283 NC/248 VA/239 MO/226	--	5,649
42. 1953 -- influenza, esp. TX/716 OH/532 MO/484 PA/460 GA/427 TN/414 AL/393	--	9,500
43. 1954 -- influenza, esp. TX/228 AL/180 GA/162 PA/154 OH/143 TN/120 MO/104	--	2,696
44. 1955 -- influenza, esp. OH/187 AL/183 GA/181 TX/169 PA/154 TN/136 MS/106	--	2,755
45. 1956 -- influenza, esp. PA/139, TX/153, OH/134, AL/130, GA/109, MS/100, TN/96	--	2,323
46. 1957 -- influenza, especially PA/476, NY/471, TX/459, OH/437. GA/341, NC/318	--	7,463
47. 1957-58 -- esp. fall-spring, H2N2 "Asian" influenza and pneumonia pandemic	~	116,000
48. 1958 -- influenza, esp. TX/415, AL/275, OH/260, TN/230, GA/206, MS/199, PA/199	--	4,442
49. 1959 -- influenza, ³¹⁴ esp. TX/191, TN/133, OH/126, NY/126, IN/119, MI/108 GA/104 CA--		2,845
50. 1960 -- influenza, ³¹⁵ US death rate 4.4 per 100K; esp. AL/11.5, SC/11.2, MS/10.9	--	7,872
51. 1961 -- influenza, ³¹⁶ US death rate 1.2 per 100K; esp. AK/3.3, KS/ME/NE at 2.7	--	2,137
52. 1962 -- influenza, ³¹⁷ US death rate 1.8 per 100K; esp. NE/5, TN/5, MS/4.2, SC/4	--	3,431
53. 1963 -- influenza, ³¹⁸ US death rate 3.8; SC/11.9, KY/11.6, WV/11, MS/10.9 TN/9.3	--	7,083
54. 1964 -- influenza, ³¹⁹ US death rate 0.9 per 100K, esp. MT/4.0 WA/3.8 NE/3.6 ND/3.1	--	1,687
55. 1965 -- influenza, ³²⁰ death rate 1.2 per 100K, esp. ME/5.0, KS/4.0, NE/3.6, VE/3.3	--	2,295

³¹⁴ Distinct from the 52,195 pneumonia deaths (codes 490-493) noted in the Table 78, p. 406.

³¹⁵ Distinct from the 58,931 pneumonia deaths (codes 490-493) noted in the Table 1-V, p. 1-42.

³¹⁶ Distinct from the 53,038 pneumonia deaths noted in the next column in Table 1-P, p. 1-32.

³¹⁷ Distinct from the 56,564 pneumonia deaths noted in the next column in Table 1-12, p. 1-20..

³¹⁸ Distinct from the 63,678 pneumonia deaths noted in the next column in Table 1-12.

³¹⁹ Distinct from the 51,764 pneumonia deaths noted in the next column in Table 1-14.

³²⁰ Distinct from the 61,903 pneumonia deaths noted in the nest USPHS 1965 Mortality Data column in Table 1-14.

56. 1966 -- influenza (pneumonia deaths were 60,785), esp. CA/636, WA/154, OR/134 --2,830
 57. 1967 -- influenza --1,475
 58. 1968 -- influenza, ICD-8 codes 470-474/death rate 3.5 per 100K, esp. VE/15.0, NE/9.1 --7,062
 59. 1968-69 (Sep-March), A2 "Hong Kong" influenza (and pneumonia) epidemic --33,800
 60. 1969 -- influenza, ICD-8 codes 470-474/death rate 2.96 per 100K, esp. KS/7., SC/6., MT/6. --5,971

Disease -- INFLUENZA, pneumonia, Grip -- Chronological (continued):

61. 1970 -- influenza, ICD-8 codes 470-474/death rate 1.82 per 100K, esp. VT/7.6, ME/5.6, MS/5.2 --3,707
 62. 1971 -- influenza, ICD-8 codes 470-474/death rate 0.73 per 100K, esp. ME/2.9, NE & WA/1.9 --1,504
 63. 1972 -- influenza, ICD-8 codes 470-474/death rate 2.38 per 100K, esp. SD/8.9 ME/8.7 --4,986
 64. 1973 -- influenza, ICD-8 codes 470-74/death rate 2.4 per 100K, esp. ID/7.4 WY/7.4 WA/7.2 --5,131
 65. 1974 -- influenza, ICD-8 codes 470-474, death rate 1.30 per 100K, esp. KS/3.48 --2,201
 66. 1975 -- influenza, ICD-8 codes 470-474, death rate 1.986 pre 100K, esp. KS/6.317 --4,277
 67. 1976 -- influenza, ICD-8 codes 470-474, death rate 3.6 per 100K, esp. NE/12.9 --7,877
 68. 1977 -- influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98 --1,304
 69. 1978 -- influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7 --4,052
 70. 1979 -- influenza, US death rate 0.27 per 100K, esp. ID/1.18, NE/1.15, KS/.98, WA/.85 -- 604
71. 1980 -- influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
 72. 1981 -- influenza, US death rate 1.31 per 100K, esp. SD/4.2, IA/3.5, UT/3.3, VT/3.3 --3,006
 73. 1982 -- influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34 -- 727
 74. 1983 -- influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
 75. 1984 -- influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 --1,096
 76. 1985 -- influenza, death rate 0.86 per 100K, esp. NE/4.1, MT/2.8, IA/2.6, KS/2.4, WY/2.2 --2,054
 77. 1986 -- influenza, US death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84³²¹ --1,838
 78. 1987 -- influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632
 79. 1988 -- influenza, US death rate 0.79 per 100K; esp. ID/3.7, IA/2.5, MT/2.6, SD/3.3 --1,943
 80. 1989 -- influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593
81. 1990 -- influenza, US death rate 0.84 per 100K; esp. NE//3.5; IA/3.1; ID/2.3; SD/2.3 --2,098
 82. 1991 -- influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54 --1,137
 83. 1992 -- influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27 --1,006
 84. 1993 -- influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37 --1,044
 85. 1994 -- influenza, US death rate 0.47 per 100K; esp. SD/2.6; MT/1.7; IA/ 1.5; NE/1.22 --1,229
 86. 1995 -- influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32 -- 606
 87. 1996 -- influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616) -- 745
 88. 1997 -- influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99) -- 720
 89. 1998 -- influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) --1,724
 90. 1999 -- influenza, ICD-10 codes J09-11.8; US death rate 0.597 per 100K; esp. SD/4.913 --1,665
91. 2000 -- influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) --1,765
 92. 2001 -- influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20) -- 257
 93. 2002 -- influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. SD (2.237) -- 727
 94. 2003 -- influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) --1,792

³²¹ Deaths due to influenza and pneumonia in 1986 (ICD-9 codes 480-487), were 69,812; 29.05 per 100K death rate.

- 95. 2004 -- influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827) --1,100
- 96. 2005 -- influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) --1,812
- 97. 2006 -- influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605) -- 849
- 98. 2007 -- influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33) -- 411
- 99. 2008 -- influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13) --1,772
- 100. 2009 -- influenza (avian), ICD-10 code J09 (US death rate 0.5 per 100K) esp. MT (1.3)--1,557

Disease – INFLUENZA – Chronological (continued):

- 101. 2009-10 -- Apr 12-Apr 10, 2010, H1N1 “Swine Flu” pandemic (U.S.) 12,469
- 102. 2010 -- influenza, ICD-10 codes J09-J11; US death rate 0.2 per 100K; esp. AK, KS (.4)³²²--500
- 103. 2011 -- influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K) --1,532
- 104. 2012 -- influenza, ICD-10 codes J09-11; US death rate 0.4; SD, 2.5 per 100K --1,106
- 105. 2013 -- influenza, ICD-10 codes J09-11, esp. SD (3.6) MT (3.5) ME (3.2) death rates --3,697
- 106. 2014 -- influenza (ICD-10 codes J09, J10, J11), especially CA (457), TX (418) --4,605
- 107. 2015 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --5,251
- 108. 2016 -- influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --2,905
- 109. 2017 -- influenza; death rate 2.0 per 100K pop.; esp. ME/5.2, MT/5.1, OR/4.9, WA/4.2 --6,515
- 110. 2017-2018 -- winter (March 2018 end) influenza (primarily H3N2) ~80,000
- 111. 2018 -- influenza, ICD-10 codes J09-11.8, death rate 3.4 per 100K pop., esp. WV/6.6--11,164
- 112. 2019 -- influenza, esp. CA/560 TX/396 NY/336 lives lost; VT/4.3 OR/3.7 death rate --5,902
- 113. 2020 -- influenza (distinct from 47,601 pneumonia deaths); death rate 1.8 per 100K --5,943
- 114. 2021 -- influenza (distinct from 41,309 pneumonia deaths); death rate 0.18, esp. TN/0.60 -- 608

³²² The ICD-10 Code for influenza and pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).

Disease -- LEGIONNAIRES' -- By Mortality

1. 1976 -- July-Aug, Legionella pneumophila (Legionnaires' Disease), Philadelphia, PA --29-34
2. 1977 -- Legionella pneumophila (Legionnaires'), sum-fall esp., CA/2 OH/1 TN/3 VT/17-- 32
3. 2015 -- July-mid Aug, Legionella pneumophila/Legionnaires', South Bronx, NYC, NY-- 16
4. 1965 -- July 27-Aug, "Legionnaires' Disease" outbreak, St. Elizabeth's Hospital, DC -- 14
5. 2014 -- June-Oct 2015, Legionella pneumophila/Legionnaires' Disease, Flint, MI -- 12

Disease -- LEGIONNAIRES' -- Chronological

1. 1965 -- July 27-Aug, "Legionnaires' Disease" outbreak, St. Elizabeth's Hospital, DC -- 14
2. 1976 -- July-Aug, Legionella pneumophila (Legionnaires' Disease), Philadelphia, PA --29-34
3. 1977 -- Legionella pneumophila (Legionnaires'), sum-fall esp., CA/2 OH/1 TN/3 VT/17-- 32
4. 2014 -- June-Oct 2015, Legionella pneumophila/Legionnaires' Disease, Flint, MI -- 12
5. 2015 -- July-mid Aug, Legionella pneumophila/Legionnaires', South Bronx, NYC, NY-- 16

Disease – LEPROSY –By Mortality

1. 1948 -- leprosy (Hansen's disease), infectious and parasitic diseases code 23	--	21
2. 1946 -- leprosy (Hansen's disease), infectious and parasitic diseases Int. code 23	--	16
3. 1947 -- leprosy (Hansen's disease), infectious and parasitic diseases code 23	--	16
1962 -- leprosy (Hansen's disease)	--	8
1966 -- leprosy (Hansen's disease)	--	6
1968 -- leprosy (Hansen's disease), ICD-8 code 030; HI (4), TX (1)	--	5
1970 -- leprosy (Hansen's disease), ICD-8 code 030; FL (1), HI (3), LA (1)	--	5
1949 -- leprosy (Hansen's disease)	--	4
1967 -- leprosy (Hansen's disease)	--	4
1969 -- leprosy (Hansen's disease), ICD-8 code 030; HI (2), TX (2)	--	4
1965 -- leprosy (Hansen's disease)	--	3

Disease – LEPROSY – Chronological

1. 1946 -- leprosy (Hansen's disease), infectious and parasitic diseases Int. code 23	--	16
2. 1947 -- leprosy (Hansen's disease), infectious and parasitic diseases code 23	--	16
3. 1948 -- leprosy (Hansen's disease), infections and parasitic diseases code 23	--	21
1949 -- leprosy (Hansen's disease)	--	4
1962 -- leprosy (Hansen's disease)	--	8
1965 -- leprosy (Hansen's disease)	--	3
1966 -- leprosy (Hansen's disease)	--	6
1967 -- leprosy (Hansen's disease)	--	4
1968 -- leprosy (Hansen's disease), ICD-8 code 030; HI (4), TX (1)	--	5
1969 -- leprosy (Hansen's disease), ICD-8 code 030; HI (2), TX (2)	--	4
1970 -- leprosy (Hansen's disease), ICD-8 code 030; FL (1), HI (3), LA (1)	--	5

Disease -- MALARIA -- By Mortality

1.	1829-1833/esp. 1833--malaria? epidemic, West Coast Natives; CA/20K, OR-WA/10K--30,000	
2.	1861-65--Apr-June, malaria, Civil War, Union/10K & Confederate/20K forces	~30,000
3.	1879 -- June-May 1880, "malarial fever," esp. AL, AR, GA, IL, MS and MO	--20,231
4.	1900 -- malarial fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001	--14,874
5.	1930 -- malaria, nationwide, especially AL, AR, FL, GA, LA, MS, OK, SC, TN, TX	--3,572
6.	1920 -- malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183 ³²³	--3,136
7.	1931 -- malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN	--2,536
8.	1925 -- malaria, esp. MS/426, FL/338, AL/306, LA/256, MO/189, SC/183, TN/155	--2,132
9.	1939 -- malaria, U.S., esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX	--1,761
10.	1940 -- malaria, nationwide, especially AL, AR, GA, MS, SC and TX	--1,442
11.	1946 -- malaria, infectious and parasitic diseases International List code 28	-- 341
12.	1862 -- Feb-Jun 1865 (41 mo.), malarial fevers, ³²⁴ Confederate POWs, Camp Douglas IL--	233
13.	1947 -- malaria, infectious and parasitic diseases Int. list code 28	-- 214
14.	1948 -- malaria, infectious and parasitic diseases ICD code 28	-- 170
15.	1864 -- Feb 24-Aug 3, malarial fevers, ³²⁵ Union POWs, Ft. Sumter, Andersonville GA	-- 149
16.	1949 -- malaria (codes 110-117)	-- 118
17.	1950 -- malaria, codes 110, 112, and 116, sixth revision of international lists of 1948	-- 75
4.	1953 -- malaria, one to three deaths in 16 States, 9 in Texas	-- 33
18.	1863 -- malaria (probably), Maidu Natives, Pence's Ranch, Butte County, CA ³²⁶	-- 30
19.	1952 -- malaria, one to three deaths in 15 States	-- 25
20.	1954 -- malaria, one to three deaths each in 17 States	-- 24
21.	1955 -- malaria, deaths in 11 States	-- 18
22.	1957 -- malaria	-- 14
23.	1985 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000	-- 13
24.	1993 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000	-- 12
25.	2002 -- malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths	-- 12
26.	1956 -- malaria	-- 11
27.	1969 -- malaria, ICD-8 codes 084.0-084.9; CA/PA/WI (2 each), CT/FL/MI/TN/TX/1 ea.--	11
28.	1989 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000	-- 11
29.	2010 -- malaria, ICD-10 codes B50-B54, no State had at least 10 deaths	-- 10
30.	2013 -- malaria, ICD-10 Codes B50-B54	-- 10
	2001 -- malaria, ICD-10 codes B50-B54, death rate 0.003 per 100,000	-- 9
	1965 -- malaria	-- 8
	1963 -- malaria	-- 7
	1968 -- malaria, ICD-8 codes 084.0-084.9; CA (2), DC/MD/MN/OK/TX (1 each)	-- 7
	1973 -- malaria, ICD-10 Code 084, FA/1, IL/2, IN/1, MI/1, NJ/1, ND/1	-- 7

³²³ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

³²⁴ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

³²⁵ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

³²⁶ Deaths in a three-week period (Aug 30, 1863 Marysville, CA *Appeal* report). Cook (1976, p. 275) estimates that "at least 100 must have perished" in an extended time-frame. "undoubtedly" from malaria.

Disease - MALARIA - By Mortality - (continued):

1971 -- malaria; ICD-8 code 084; AL, AR, CA, OH, OK, SC (1 each)	--	6
2019 -- malaria, ICD-10 codes B50-B54	--	6
1970 -- malaria; ICD 8 code 084; FA, MI, PA, TX, VA (1 each)	--	5
1978 -- malaria, CA (1), FL (1), NY, (1), NC (1), PA (1)	--	5
1967 -- malaria	--	4
1974 -- malaria; ICD-8 code 084.0-085.5, 084.8 and 084.9; IN, MN, NY, PA 1 each	--	4
1975 -- malaria; ICD-8 code 084.0-085.5, 084.8 and 084.9; AR/1, CA/1, VA/2	--	4
1976 -- malaria, AZ (1), CA (1), NY (1), WI (1)	--	4
1977 -- malaria, CA (1), MD (1), WA (1)	--	3

Disease -- MALARIA -- Chronological

1. 1829-1833/esp. 1833--malaria? epidemic, West Coast Natives; CA/20K, OR-WA/10K --30,000
2. 1861-65--Apr-June, malaria, Civil War, Union/10K & Confederate/20K forces ~30,000
3. 1862 -- Feb-Jun 1865 (41 mo.), malarial fevers,³²⁷ Confederate POWs, Camp Douglas IL-- 233
4. 1863 -- malaria (probably), Maidu Natives, Pence's Ranch, Butte County, CA³²⁸ -- 30
5. 1864 -- Feb 24-Aug 3, malarial fevers,³²⁹ Union POWs, Ft. Sumter, Andersonville GA -- 149
6. 1879 -- June-May 1880, "malarial fever," esp. AL, AR, GA, IL, MS and MO --20,231
7. 1900 -- malarial fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001 --14,874
8. 1920 -- malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183³³⁰ --3,136
9. 1925 -- malaria, esp. MS/426, FL/338, AL/306, LA/256, MO/189, SC/183, TN/155 --2,132
10. 1930 -- malaria, nationwide, esp. AL, AR, FL, GA, LA, MS, OK, SC, TN, TX --3,572
11. 1931 -- malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN --2,536
12. 1939 -- malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX --1,761
13. 1940 -- malaria, especially AL, AR, GA, MS, SC and TX --1,442
- 1945 (thereabout) DDT was first used widely to kill mosquitoes carrying malaria**
14. 1946 -- malaria, infectious and parasitic diseases International List code 28 -- 341
15. 1947 -- malaria, infectious and parasitic diseases International List code 28 -- 214
16. 1948 -- malaria, infectious and parasitic diseases ICD code 28 -- 170
17. 1949 -- malaria (codes 110-117) -- 118
18. 1950 -- malaria, codes 110, 112, and 116, sixth revision of international lists of 1948 -- 75
19. 1952 -- malaria, one to three deaths in 15 States -- 25
20. 1953 -- malaria, one to three deaths in 16 States, 9 in Texas -- 33
21. 1954 -- malaria, one to three deaths each in 17 States -- 24
22. 1955 -- malaria, deaths in 11 States -- 18
23. 1956 -- malaria, CT, DC, NY, OK/4, SC, WV -- 11
24. 1957 -- malaria -- 14
- 1963 -- malaria -- 7
- 1965 -- malaria -- 8
- 1967 -- malaria -- 4
- 1968 -- malaria, ICD-8 codes 084.0-084.9; CA (2), DC/MD/MN/OK/TX (1 each) -- 7
25. 1969 -- malaria, ICD-8 codes 084.0-084.9; CA/PA/WI (2 each), CT/FL/MI/TN/TX/1 each-- 11

³²⁷ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

³²⁸ Deaths in a three-week period (Aug 30, 1863 Marysville, CA *Appeal* report). Cook (1976, p. 275) estimates that "at least 100 must have perished" in an extended time-frame. "undoubtedly" from malaria.

³²⁹ Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).

³³⁰ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

Disease – **MALARIA** -- **Chronological** – (continued):

1970 -- malaria; ICD 8 code 084; FA, MI, PA, TX, VA (1 each)	--	5
1971 -- malaria; ICD-8 code 084; AL, AR, CA, OH, OK, SC (1 each)	--	6
1973 -- malaria, ICD-10 Code 084, FA/1, IL/2, IN/1, MI/1, NJ/1, ND/1	--	7
1974 -- malaria; ICD-8 code 084.0-085.5, 084.8 and 084.9; IN, MN, NY, PA 1 each	--	4
1975 -- malaria; ICD-8 code 084.0-085.5, 084.8 and 084.9; AR/1, CA/1, VA/2	--	4
1976 -- malaria, AZ (1), CA (1), NY (1), WI (1)	--	4
1977 -- malaria, CA (1), MD (1), WA (1)	--	3
1978 -- malaria, CA (1), FL (1), NY, (1), NC (1), PA (1)	--	5
26. 1985 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000	--	13
27. 1989 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000	--	11
28. 1993 -- malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000	--	12
2001 -- malaria, ICD-10 codes B50-B54, death rate 0.003 per 100,000	--	9
29. 2002 -- malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths	--	12
30. 2010 -- malaria, ICD-10 codes B50-B54, no State had at least 10 deaths	--	10
31. 2013 -- malaria, ICD-10 codes B50-B54	--	10
2019 -- malaria, ICD-10 codes B50-B54	--	6

Disease -- MEASLES (rubella) Subset -- By Mortality

1. 1900 -- measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974 --12,866
2. 1861-65--Apr-June, measles, Civil War, Union and Confederate troops ~11,000
3. 1659 -- measles epidemic, Native Americans, FL --10,000
4. 1848 -- Sep-early '49, measles/whooping cough/dysentery/influenza epidemics, HI --10,000
5. 1889-90, June-May, measles, esp. NY/757, PA/676, KY/513 MO/513 OH/714 AL/496--9,256
6. 1870 -- measles, nationwide, especially children --9,237
7. 1880 -- measles, nationwide, especially GA, IL, IN, KS and MO --8,254
8. 1913 -- measles, US "registration area" (65.1%), esp. PA/1,578, NY/1,120, OH/679 --8,108
9. 1920 -- measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496³³¹ --7,712
10. 1906 -- measles, nationwide, especially children --5,087

11. 1921 -- measles, nationwide, especially children --4,667
12. 1914 -- measles; US state and local "registration area" (66.8% of pop.), esp. DE/AL --4,461
13. 1907 -- measles, Census "Registration" States and localities, especially children --4,302
14. 1912 -- measles, US "registration area" (~65% population), NYC (671) --4,240

15. 1860 -- measles, nationwide, especially NY, OH, MO and PA, esp. children 3,809-3,900
16. 1931 -- measles, especially children, especially IL and PA --3,576
17. 1896 -- measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT --3,178

18. 1850 -- measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
19. 1900 -- Jun-Dec, measles / Flu epidemics, Native Alaskans, esp. western AK³³²---~2000-2500
20. 1925 -- measles, 40 Registration states, esp. PA/503, MA/349, NY/323, IL/217, NJ/124 --2,404
21. 1941 -- measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133) --2,279

22. 1592-96--measles epidemic, Seneca natives, central and western NY --100s, possibly 1000s
23. 1944 -- measles, especially Jan-June, nationwide, especially CA, GA, OH, PA, TX --1,923
24. 1946 -- measles, International List infectious and parasitic diseases code 35 --1,310
25. 1943 -- measles, especially children --1,301
26. 1772 -- measles epidemics, Charleston, SC (800-900), Philadelphia, PA (180) --980-1,080

27. 1949 -- measles (code 085); PHS, *Vital Statistics...[US] 1949, Part II...Mortality* -- 949
28. 1948 -- measles, 1948 ICD infectious and parasitic diseases code 35 -- 888
29. 1951 -- measles, esp. TX/102, KY/43, OH/39, CA/37, IL/31, MO/30, PA/26, OK/25 -- 688
30. 1911 -- measles, NYC, NY -- 659
31. 1915 -- measles, NYC, NY -- 630
32. 1952 -- measles, 24 states double digits, esp. PA/49, NY/48, AL&TN/40, IN&KY/30, IL/25 -- 621

33. 1958 -- measles, esp. TX/50, OH/36, IL/34, NY/NC/PA/28 each, KY, 23, IN/20 -- 552
34. 1956 -- measles, 21 states double digits, esp. IL/41 TX/31 OH/30 NC/29 PA/28, MI/26-- 530

³³¹ Based on death certificate data, 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with estimated pop. of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

³³² Cross-listed in influenza.

35. 1954 -- measles, 21 states double digits, esp. NY/36, TX/36, NC/35, PA/34, KY/27 -- 524

Disease -- **MEASLES** (rubella) Subset -- **By Mortality** (Fewer than ten deaths):

36. 1953 -- measles, 23 states double digits, esp. TX/56 MO/27 CA/25 AR/24 PA/21 AK/20 -- 483
37. 1947 -- measles, Int. List infectious and parasitic diseases code 35 -- 472
38. 1950 -- measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25) -- 468
39. 1836-37 -- measles, New York City, NY -- 443
40. 1961 -- measles; US death rate 0.2 per 100K; AK/6.0, AR/0.7, KY/0.7, SC/06 -- 434
41. 1964 -- measles, esp. TX/68 CA/34 NY/30 MS/25 KY/21 TN/20 IL/17 SC/17 NC/15 -- 421
42. 1957 -- measles, esp. CA/37, TX/32, MI/22, GA/20, AL/AZ/NM/15, MN & TN/14 -- 389
43. 1960 -- measles, especially children, esp. TX/52, NY/31, LA/21, IL/18, MI/17, OH/17-- 380
44. 1959 -- measles, especially children, esp. PA/36 CA/31, TX/27, MO/19, IL/NJ/NY/16-- 385
45. 1914 -- measles, NYC, NY -- 367
46. 1963 -- measles, esp. MI/27 TX/25 AZ/24 CA/22 WI/19 OH/18 PA/15 NY/14 AK/13 -- 364
47. 1955 -- measles, 7 states double digits, esp. TX/35, CA/30, NY/28, AZ/25, NM/23 -- 345
48. 1945 -- measles, especially children -- 307
49. 1965 -- measles, esp. TX (42), GA (16), LA (16), OH (13), PA (12), AL (11), CA (11)-- 276
50. 1966 -- measles, esp. TX/36, IL/27, CA/19, SC/14, NY/12, AZ/MS/PA/TN/10 each -- 261
51. 1847 -- measles epidemic, fall, Cayuse Indians, Southwestern WA -- >200
52. 1872 -- measles epidemic, Philadelphia, PA -- 143
53. 1713 -- Oct-1714, measles epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA) -- >109
54. 1990 -- measles Resurgence (largest loss of life since 1971), esp. young children --79-108
55. 1758-59 -- measles epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA) -- >100
56. 1971 -- measles/rubeola; ICD-8 code 055; esp. MO/10, TX/8, PA/7, AL/5, KY/5 OH/5 -- 90
57. 1970 -- measles/rubeola; ICD-8 code 055; esp. TX/17, IL/9, OH/6, FL/5 -- 89
58. 1888 -- measles epidemic, Omaha Nation, Nebraska Territory -- 87
59. 1747 -- measles epidemic, Philadelphia, PA (cases noted also in CT, NH, NY, SC) -- 84
60. 1967 -- measles, especially children -- 81
61. 1874 -- measles epidemic, Omaha Nation, Nebraska Territory -- 76
62. 1989 -- measles, CDC reports 17,850 cases in 47 States and DC --45-62
63. 1889 -- measles epidemic, Omaha Nation, Nebraska -- 50
64. 1969 -- measles/rubeola; ICD-8 code 055; esp. IL/TX/VA (4 each), AZ/CA/IA (3 each) -- 41
65. 1991 -- Jan-Dec, measles resurgence, especially CA (8); NY (15); and PA (9) -- 38
66. 1968 -- measles, ICD-8 code 055; AL/AZ/CA/CO/IL/MO/NY/NC/OH/OK/OR/PA/RI/SC/TN/TX/WV-- 24
67. 1972 -- measles/rubeola; ICD-8 code 055; esp. MS/6 & TX/4; & CA/FL/GA/IL/KY/ME/TN-- 24
68. 1973 -- measles/rubeola; ICD-8 code 055; esp. CA/2, FL/2, IL/2, MI/2 -- 23
69. 1974 -- measles/rubeola; ICD-8 code 055; esp. CA/2, NY/2, SD/2, TX/2 -- 20
70. 1975 -- measles/rubeola; ICD-8 code 055; especially IL (4), CA (3), TX (3) -- 20
71. 1977 -- measles (Rubeola), CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1 -- 15
72. 1976 -- measles/rubeola; CA and MI, 2 each, IL/IN/KS/KY/NY/NC/WV/WI 1 each -- 12
73. 1980 -- measles, ICD-9 code 055; CA/2, NJ/2, NY/2, KS/MN/OK/PA/TN (1 each) -- 11

- 74. 1978 -- measles (Rubeola), ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OH/TX/VA -- 11
- 75. 1992 -- measles, especially young children -- 3-11
- 76. 1759 -- measles, "many...in a short space of time; not a house exempt...", Fairfield NJ-->10?

Disease – MEASLES – By Mortality:

1715 -- measles, Jan-April, New London, CT	--	9
1979 -- measles, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each)	--	7
1983 -- measles/rubella (German measles) CA/1, FL/1, KS/1, MI/1, MN/1, NM/1, NC/1	--	7
1981 -- measles, US death rate 0.003 per 100K; CA/FL/IN/MA/WA (1 each), OH/2	--	6
1982 -- measles, US death rate 0.003 per 100K; AZ, KY, MI, MS, NH, NY	--	6
1985 -- measles (ICD-9, 055), AZ (1); IL (1); ME (1); MA (1); MO (1, ICD-9, 056)	--	5
1986 -- measles, ICD-9, 055; LA/1, MS/1; ICD-9 056 (rubella/German measles) TX/1	--	3
1988 -- measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1	--	3
1987 -- measles, Bristol and Middlesex counties, MA (boy, 5-9 and man, 55-64)	--	2
2019 -- measles and rubella (German measles)	--	2
1984 -- measles (ICD-9, 055), KY (1) Male, 35-44 (CDC WONDER)	--	1
1996 -- measles	--	1
2003 -- measles	--	1
2015 -- measles, Clallam County, WA	--	1
1993 -- measles	--	0
1994 -- measles	--	0
1995 -- measles	--	0
1997 -- measles	--	0
1998 -- measles	--	0
1999 -- measles	--	0
2000 -- measles	--	0
2001 -- measles	--	0
2002 -- measles	--	0
2004 -- measles	--	0
2005 -- measles	--	0
2006 -- measles	--	0
2007 -- measles	--	0
2008 -- measles	--	0
2009 -- measles	--	0
2010 -- measles	--	0
2011 -- measles	--	0
2012 -- measles	--	0
2013 -- measles	--	0
2014 -- measles	--	0
2015 -- measles and rubella (German measles)	--	0
2016 -- measles and rubella (German measles)	--	0

Disease -- MEASLES -- Chronological

1. 1592-96--measles epidemic, Seneca natives, central and western NY --100s, possibly 1000s
2. 1659 -- measles epidemic, Native Americans, FL --10,000
3. 1713 -- Oct-1714, measles epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA) -->109
4. 1715 -- measles, Jan-April, New London, CT -- 9
5. 1747 -- measles epidemic, Philadelphia, PA (cases noted also in CT, NH, NY, SC) -- 84
6. 1758-59 -- measles epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA) -- >100
7. 1759 -- measles, “many...in a short space of time; not a house exempt...”, Fairfield, NJ--≥10?
8. 1772 -- measles epidemics, Charleston, SC (800-900), Philadelphia, PA (180) --980-1,080
9. 1836-37 -- measles, New York City, NY -- 443
10. 1847 -- measles epidemic, fall, Cayuse Indians, Southwestern WA -- >200
11. 1848 -- Sep-early '49, measles/Whooping Cough/dysentery/influenza epidemics, HI --10,000
12. 1850 -- measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
13. 1860 -- measles, especially NY, OH, MO and PA 3,809-3,900
14. 1861-65--Apr-June, measles, Civil War, Union and Confederate troops ~11,000
15. 1870 -- measles, nationwide, especially children --9,237
16. 1872 -- measles epidemic, especially children, Philadelphia, PA -- 143
17. 1874 -- measles epidemic, Omaha Nation, Nebraska Territory -- 76
18. 1880 -- measles, nationwide, especially GA, IL, IN, KS and MO --8,254
19. 1888 -- measles epidemic, Omaha Nation, Nebraska Territory -- 87
20. 1889 -- measles epidemic, Omaha Nation, Nebraska -- 50
21. 1889-90, June-May, measles, esp. NY/757, PA/676, KY/513 MO/513 OH/714 AL/496--9,256
22. 1896 -- measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT --3,178
23. 1900 -- measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974 12,866
24. 1900 -- June-Dec, measles / Flu epidemics, Native Alaskans, esp. western AK³³³ ~2000-2500
25. 1906 -- measles, nationwide, especially children --5,087
26. 1907 -- measles, Census “Registration” States and localities --4,302
27. 1911 -- measles, NYC, NY -- 659
28. 1912 -- measles, US “registration area” (~65% population), NYC (671) --4,240
29. 1913 -- measles, US “registration area” (65.1%), esp. PA/1,578, NY/1,120, OH/679 --8,108
30. 1914 -- measles; US state and local “registration area” (66.8% of pop.), esp. DE/AL --4,461
31. 1915 -- measles, NYC, NY -- 630
32. 1920 -- measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496³³⁴ --7,712
33. 1921 -- measles, especially children, nationwide --4,667
34. 1925 -- measles, 40 Registration states, esp. PA/503, MA/349, NY/323, IL/217, NJ/124 --2,404

³³³ Cross-listed in influenza.

³³⁴ Based on death certificate data from 34 “registration states” as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

Disease -- MEASLES -- Chronological

35. 1931 -- measles, especially children, especially IL and PA --3,576
36. 1941 -- measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133) --2,279
37. 1943 -- measles, especially children --1,301
38. 1944 -- measles, especially Jan-June, nationwide, especially CA, GA, OH, PA, TX --1,923
39. 1945 -- measles, especially children -- 307
40. 1946 -- measles, International List infectious and parasitic diseases code 35 --1,310
41. 1947 -- measles, International List infectious and parasitic diseases code 35 -- 472
42. 1948 -- measles, 1948 ICD infectious and parasitic diseases code 35 -- 888
43. 1949 -- measles (code 085); PHS, *Vital Statistics...[US] 1949, Part II...Mortality* -- 949
44. 1950 -- measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25) -- 468
45. 1951 -- measles, esp. TX/102, KY/43, OH/39, CA/37, IL/31, MO/30, PA/26, OK/25 -- 688
46. 1952 -- measles, 24 states double digits, esp. PA/49, NY/48, AL&TN/40 IN&KY/30 IL/25 -- 621
47. 1953 -- measles, 23 states double digits, esp. TX/56 MO/27 CA/25 AR/24 PA/21 AK/20 MS/20--483
48. 1954 -- measles, 21 states double digits, esp. NY/36, TX/36, NC/35, PA/34, KY/27 -- 524
49. 1955 -- measles, 7 states double digits, esp. TX/35, CA/30, NY/28, AZ/25, NM/23 -- 345
50. 1956 -- measles, 21 states double digits, esp. IL/41 TX/31 OH/30 NC/29 PA/28, MI/26-- 530
51. 1957 -- measles, esp. CA/37, TX/32, MI/22, GA/20, AL/AZ/NM/15, MN & TN/14 -- 389
52. 1958 -- measles, esp. TX/50, OH/36, IL/34, NY/NC/PA/28 each, KY, 23, IN/20 -- 552
53. 1959 -- measles, especially children, esp. PA/36, CA/31, TX/27, MO/19, IL/NJ/NY/16-- 385
54. 1960 -- measles, especially children, esp. TX/52, NY/31, LA/21, IL/18, MI/17, OH/17-- 380
55. 1961 -- measles; US death rate 0.2 per 100K; AK/6.0, AR/0.7, KY/0.7, SC/06 -- 434
56. 1962 -- measles, death rate 0.2 per 100K, esp. AK/4.5, AZ/0.9, TX/0.6, LA/TN/0.5 -- 408

1963 -- measles vaccine becomes available.

57. 1963 -- measles, esp. MI/27 TX/25 AZ/24 CA/22 WI/19 OH/18 PA/15 NY/14 AK/13 -- 364
58. 1964 -- measles, esp. TX/68 CA/34 NY/30 MS/25 KY/21 TN/20 IL/17 SC/17 NC/15 -- 421
59. 1965 -- measles, esp. TX (42), GA (16), LA (16), OH (13), PA (12), AL (11), CA (11)-- 276
60. 1966 -- measles, esp. TX/36, IL/27, CA/19, SC/14, NY/12, AZ/MS/PA/TN/10 each -- 261
61. 1967 -- measles, especially children -- 81
62. 1968 -- measles, ICD-8 code 055; AL/AZ/CA/CO/IL/MO/NY/NC/OH/OK/OR/PA/RI/SC/TN/TX/WV-- 24
63. 1969 -- measles/rubeola; ICD-8 code 055; esp. IL/TX/VA (4 each), AZ/CA/IA (3 each) -- 41
64. 1970 -- measles/rubeola; ICD-8 code 055; esp. TX/17, IL/9, OH/6, FL/5 -- 89
65. 1971 -- measles/rubeola; ICD-8 code 055; esp. MO/10, TX/8, PA/7, AL/5, KY/5, OH/5-- 90
66. 1972 -- measles/rubeola; ICD-8 code 055; esp. MS/6 & TX/4; & CA/FL/GA/IL/KY/ME/TN-- 24
67. 1973 -- measles/rubeola; ICD-8 code 055; esp. CA/2, FL/2, IL/2, MI/2 -- 23
68. 1974 -- measles/rubeola; ICD-8 code 055; esp. CA/2, NY/2, SD/2, TX/2 -- 20
69. 1975 -- measles/rubeola; ICD-8 code 055; especially IL (4), CA (3), TX (3) -- 20
70. 1976 -- measles/rubeola; CA and MI, 2 each, IL/IN/KS/KY/NY/NC/WV/WI 1 each -- 12

71. 1977 -- measles/rubeola; CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1	--	15
72. 1978 -- measles/rubeola; ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OH/TX/VA	--	11
1979 -- measles/rubeola, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each)--		7

Disease -- MEASLES -- Chronological (continued):

73. 1980 -- measles, ICD-9 code 055; CA/2, NJ/2, NY/2, KS/MN/OK/PA/TN (1 each)	--	11
1981 -- measles, US death rate 0.003 per 100K; CA/FL/IN/MA/WA (1 each), OH/2	--	6
1982 -- measles, US death rate 0.003 per 100K; AZ, KY, MI, MS, NH, NY	--	6
1983 -- measles/rubella (German measles) CA/1, FL/1, KS/1, MI/1, MN/1, NM/1, NC/1	--	7
1984 -- measles (ICD-9, 055), KY (1) Male, 35-44 (CDC WONDER search)	--	1
1985 -- measles (ICD-9, 055), AZ (1); IL (1); ME (1); MA (1); MO (1, ICD-9, 056)	--	5
1986 -- measles, ICD-9, 055; LA/1, MS/1; ICD-9 056 (rubella/German measles) TX/1--		3
1987 -- measles, Bristol and Middlesex counties, MA (boy, 5-9 and man, 55-64)	--	2
1988 -- measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1	--	3
74. 1989 -- measles, CDC reports 17,850 cases in 47 States and DC	--	45-62
75. 1990 -- measles resurgence (largest loss of life since 1971), esp. young children	--	79-108
76. 1991 -- Jan-Dec, measles resurgence, especially CA (8); NY (15); and PA (9)	--	38
77. 1992 -- measles, especially young children	--	3-11
1993 -- measles	--	0
1994 -- measles	--	0
1995 -- measles	--	0
1996 -- measles	--	1
1997 -- measles	--	0
1998 -- measles	--	0
1999 -- measles	--	0
2000 -- measles	--	0
2001 -- measles	--	0
2002 -- measles	--	0
2003 -- measles	--	1
2004 -- measles	--	0
2005 -- measles	--	0
2006 -- measles	--	0
2007 -- measles	--	0
2008 -- measles	--	0
2009 -- measles	--	0
2010 -- measles	--	0
2011 -- measles	--	0
2012 -- measles	--	0
2013 -- measles	--	0
2014 -- measles	--	0
2015 -- measles, Clallam County, WA	--	1
2016 -- measles and rubella (German measles)	--	0

Disease – MENINGOCOCCAL INFECTIONS (meningitis, cerebrospinal, spotted fever)³³⁵
– By Mortality

1.	1900 -- meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189, NJ/909	19,423
2.	1879 -- June-May 1880, meningitis, nationwide, esp. KY, NY, PA, MO and TN	--7,481
3.	1905 -- cerebrospinal meningitis epidemic, esp. NYC/1511-2025; also CT/NH/NJ/MA	--5,114
4.	1904 -- cerebrospinal meningitis, esp. NYC/1,083-1,403, Hartford, CT/108, NJ/245	--3,284
5.	1906 -- epidemic Cerebro-spinal meningitis, esp. NY/1,117 (NYC/600), PA/385	--3,258
6.	1931 -- “epidemic cerebrospinal meningitis,” ³³⁶ U.S., esp. IL, NY and PA	--2,832
7.	1944 -- cerebrospinal meningitis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA	--2,812
8.	1945 -- cerebrospinal (meningococcus) meningitis (code 6 communicable disease)	--1,728
9.	1946 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6)	--1,257
10.	1925 -- Meningococcus meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51	--1,095
11.	1872 -- cerebral spinal meningitis, MA (esp. Boston), NYC, PA (esp. Philly)	--1,090
12.	1947 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6)	-- 917
13.	1949 -- meningococcal infections (code 057); <i>Vital Statistics...[US] 1949, Part II</i>	-- 917
14.	1966 -- meningococcal infections, esp. CA/109, TX/59, OH/50, NY/40, NC/38	-- 876
15.	1948 -- cerebrospinal (meningococcus) meningitis infections (code 6, ICD 1, 1948)	-- 873
16.	1864 -- cerebral spinal meningitis epidemic, Carbondale & Philadelphia, PA	-- 784
17.	1911 -- Oct-June 8, 1912, cerebrospinal meningitis epidemic, esp. TX, OK, MO	-- 740
18.	1967 -- meningococcal infections	-- 635
19.	1873 -- cerebral spinal meningitis, Boston & Lowell MA, Philadelphia, PA	-- 499
20.	1893 -- cerebrospinal meningitis epidemic, New York City, NY	--469-489
21.	1881 -- cerebrospinal meningitis epidemic, New York City, NY	-- 461
22.	1812 -- Feb-Apr, Spotted fever/meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT	--265-325
23.	1811 -- “Spotted fever” (meningitis), NH (≥ 10) & VT, esp. Woodstock (60-70), VT	--103-108
24.	1984 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA and NY (8 each)	-- 95
25.	1997 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12	-- 89
26.	1985 -- meningococcal meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5	-- 88
27.	1986 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA (13), NY (10)	-- 88
28.	1989 -- meningococcal meningitis, ICD-9 code 036.0, especially CA/20, NY/13	-- 88
29.	1988 -- meningococcal meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13	-- 87
30.	1994 -- meningococcal meningitis, US death rate 0.03 per 100K; esp. CA/14, TX/12	-- 84
31.	1995 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03	-- 82
32.	1996 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03	-- 82
33.	1998 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13)	-- 73
34.	1990 -- meningococcal meningitis, ICD-9 code 036.0, especially CA, 13 deaths	-- 72
35.	2000 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15)	-- 71
36.	1889 -- Jan-Feb, cerebrospinal meningitis epidemic, Webster County, KY	--50-70
37.	1993 -- meningococcal meningitis, US death rate 0.03 per 100K; esp. CA (10)	-- 70
38.	1999 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10)	-- 67

³³⁵ Also includes meningococcal meningitis.

³³⁶ “epidemic cerebrospinal meningitis,” is the name used for this malady in U.S. Census, *Mortality Statistics 1931*.

39. 1987 -- meningococcal meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13	--	64
40. 1992 -- meningococcal meningitis, US death rate 0.02 per 100K	--	61
41. 2001 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	--	61
42. 1991 -- meningococcal meningitis, US death rate 0.02 per 100K, CA 0.03/10 deaths	--	59
43. 2002 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	--	53
44. 2003 -- meningococcal meningitis, ICD-10 code A39.0, CA only state over 9 deaths	--	49
45. 2004 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	38
46. 2006 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	32
47. 2008 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	31
48. 2009 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	28
49. 2005 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	27
50. 2011 -- meningococcal meningitis, ICD 10 Code A39.0 (no state 10 or more deaths)	--	26
51. 2007 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	24
52. 2010 -- meningococcal meningitis, ICD 10 Code A39.0	--	14
53. 2015 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths)	--	12
54. 2012 -- meningococcal meningitis, ICD 10 Code A39.0	--	11
55. 2014 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths)	--	10
2013 -- meningococcal meningitis, ICD 10 Code A39.0	--	9

Disease -- MENINGITIS (cerebrospinal; meningococcal; spotted fever) -- Chronological

1. 1811 -- "Spotted fever" (meningitis), NH (≥ 10) & VT, esp. Woodstock (60-70), VT--103-108
2. 1812 -- Feb-Apr, Spotted fever/meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT--265-325
3. 1864 -- cerebral spinal meningitis epidemic, Carbondale & Philadelphia, PA -- 784
4. 1872 -- cerebral spinal meningitis, MA (esp. Boston), NYC, PA (esp. Philly) --1,090
5. 1873 -- cerebral spinal meningitis, Boston & Lowell MA, Philadelphia, PA -- 499
6. 1879 -- June-May 1880, meningitis, nationwide, esp. KY, NY, PA, MO and TN --7,481
7. 1881 -- cerebrospinal meningitis epidemic, New York City, NY -- 461
8. 1889 -- Jan-Feb, Cerebro-spinal meningitis epidemic, Webster County, KY --50-70
9. 1893 -- cerebrospinal meningitis epidemic, New York City, NY --469-489
10. 1900 -- meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189, NJ/909 --19,423
11. 1904 -- cerebrospinal meningitis, esp. NYC/1,083-1,403, Hartford, CT/108, NJ/245 --3,284
12. 1905 -- cerebrospinal meningitis epidemic, esp. NYC/1511-2025; also CT/NH/NJ/MA --5,114
13. 1906 -- epidemic Cerebro-spinal meningitis, esp. NY/1,117 (NYC/600), PA/385 --3,258
14. 1911 -- Oct-June 8, 1912, meningitis epidemic, esp. TX , OK, MO -- 740
15. 1925 -- Meningococcus meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51 --1,095
16. 1931 -- "epidemic cerebrospinal meningitis,"³³⁷ U.S., especially IL, NY and PA --2,832
17. 1944 -- cerebrospinal meningitis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
18. 1945 -- cerebrospinal (meningococcus) meningitis (code 6 communicable disease) --1,728
19. 1946 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6) --1,257
20. 1947 -- cerebrospinal (meningococcus) meningitis infections (Int. List No. 6) -- 917
21. 1948 -- cerebrospinal (meningococcus) meningitis infections (code 6, ICD 1, 1948) -- 873
22. 1949 -- meningococcal infections (code 057); *Vital Statistics...[US] 1949, Part II* -- 917
23. 1966 -- meningococcal infections, esp. CA/109, TX/59, OH/50, NY/40, NC/38 -- 876
24. 1967 -- meningococcal infections -- 635
25. 1984 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA and NY (8 each) -- 95
26. 1985 -- meningococcal meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5 -- 88
27. 1986 -- meningococcal meningitis, ICD-9 code 036.0, esp. CA (13), NY (10) -- 88
28. 1987 -- meningococcal meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13 -- 64
29. 1988 -- meningococcal meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13 -- 87
30. 1989 -- meningococcal meningitis, ICD-9 code 036.0, especially CA/20, NY/13 -- 88
31. 1990 -- meningococcal meningitis, ICD-9 code 036.0, especially CA, 13 deaths -- 72

³³⁷ "epidemic cerebrospinal meningitis," is the name used for this malady in U.S. Census, *Mortality Statistics 1931*.

32. 1991 -- meningococcal meningitis, ICD-9 code 036.0, especially CA, 10 deaths	--	59
33. 1992 -- meningococcal meningitis, ICD-9 code 036.0	--	61
34. 1993 -- meningococcal meningitis, ICD-9 code 036.0, especially CA, 10 deaths	--	70
35. 1994 -- meningococcal meningitis, ICD-9 code 036.0, especially CA/14, TX/12	--	84
36. 1995 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03	--	82
37. 1996 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03	--	82
38. 1997 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12	--	89
39. 1998 -- meningococcal meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13)	--	73
40. 1999 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10)	--	67

Disease -- MENINGITIS (cerebrospinal; meningococcal; spotted fever) -- Chronological

41. 2000 -- meningococcal meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15)	--	71
42. 2001 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	--	61
43. 2002 -- meningococcal meningitis, ICD-10 code A39.0; no state over 9 deaths	--	53
44. 2003 -- meningococcal meningitis, ICD-10 code A39.0, CA only state over 9 deaths	--	49
45. 2004 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	38
46. 2005 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	27
47. 2006 -- meningococcal meningitis, ICD-10 code A39.0 (all states below 10 deaths)	--	32
48. 2007 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	24
49. 2008 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	31
50. 2009 -- meningococcal meningitis, ICD-10 Code A39.0 (all states below 10 deaths)	--	28
51. 2010 -- meningococcal meningitis, ICD 10 Code A39.0	--	14
52. 2011 -- meningococcal meningitis, ICD 10 Code A39.0 (no state 10 or more deaths)	--	26
53. 2012 -- meningococcal meningitis, ICD 10 Code A39.0	--	11
2013 -- meningococcal meningitis, ICD 10 Code A39.0	--	9
54. 2014 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths)	--	10
55. 2015 -- meningococcal meningitis, ICD 10 Code A39.0 (no state with ≥ 10 deaths)	--	12

Disease -- MUMPS -- By Mortality

1. 1920 -- mumps, 33 registration states	-- 152
2. 1952 -- mumps, US PHS <i>Vital Statistics of US 1952: Vol. II, Mortality</i> (code 089)	-- 55
3. 1961 -- mumps	-- 53
4. 1951 -- mumps (code 089)	-- 48
5. 1963 -- mumps	-- 48
6. 1953 -- mumps (code 089)	-- 46
7. 1954 -- mumps (code 089, International List, 6 th Revision, 1948)	-- 45
8. 1962 -- mumps	-- 43
9. 1960 -- mumps	-- 42
10. 1950 -- mumps, code 089 in 6 th rev. of International Lists (in UPS Mortality Data)--	40
11. 1958 -- mumps, U.S. Public Health Service, <i>Vital Statistics-Mortality 1958</i> , p. 94	-- 37
12. 1967 -- mumps	-- 37
13. 1965 -- mumps	-- 31
14. 1968 -- mumps; ICD-8 code 072; especially CA (5)	-- 25
15. 1969 -- mumps; ICD-8 code 072; especially NY (4)	-- 22
16. 1970 -- mumps; ICD-8 code 072; MI/NY/NC/2 ea., AR/CA/IL/ME/ND/OH/TX/VA/WA/WI/1 ea.--	16
17. 1972 -- mumps; ICD-8 code 072; TX/4, CA/2, IN/2, NY/2, PA/2, UT/2, WV/2	-- 16
18. 1971 -- mumps; ICD-8 code 072; AL, CA, ID, IL, IN, KS, MS NE NJ NY OR TN TX--	15
19. 1973 -- mumps; ICD-8 code 072; CA/2, 1 each FL ID MN OK OR PA RI TN WA WV--	12
1975 -- mumps; ICD-8 code 072; CA, LA, NC, OH, TX, VA, WI and WY 1 each	-- 8
1976 -- mumps, CA (1), LA (1), MD (1), NJ (1), NY (1), OH (1), PA (1), TX (1)	-- 8
1974 -- mumps; ICD-8 code 072; AL, LA, MA, MO, OR, WA 1 each	-- 6
1977 -- mumps, CA (1), GA (1), MI (1), NC (1), WI (1)	-- 5
1978 -- mumps, MN (1), NM (1), TX (1)	-- 3

Disease -- MUMPS -- Chronological

1. 1920 -- mumps, 33 registration states	-- 152
2. 1950 -- mumps, code 089 in 6 th rev. of International Lists (in UPS Mortality Data)	-- 40
3. 1951 -- mumps (code 089)	-- 48
4. 1952 -- mumps, US PHS <i>Vital Statistics of US 1952: Vol. II, Mortality</i> (code 089)	-- 55
5. 1953 -- mumps (code 089)	-- 46
6. 1954 -- mumps (code 089, International List, 6 th Revision, 1948)	-- 45
7. 1955 -- mumps	-- 43
8. 1958 -- mumps, U.S. Public Health Service, <i>Vital Statistics-Mortality 1958</i> , p. 94	-- 37
9. 1960 -- mumps	-- 42
10. 1961 -- mumps	-- 53
11. 1962 -- mumps	-- 43
12. 1963 -- mumps	-- 48
13. 1965 -- mumps	-- 31
1967 -- mumps vaccine introduced in the U.S.	
14. 1967 -- mumps	-- 37
15. 1968 -- mumps; ICD-8 code 072; especially CA (5)	-- 25
16. 1969 -- mumps; ICD-8 code 072; especially NY (4)	-- 22
17. 1970 -- mumps; ICD-8 code 072; MI/NY/NC/2 ea., AR/CA/IL/ME/ND/OH/TX/VA/WA/WI/1 ea.--	16
1971 -- mumps vaccine combined with measles and rubella (German measles) vaccine	
18. 1971 -- mumps; ICD-8 code 072; AL, CA, ID, IL, IN, KS, MS, NE NJ NY OR TN TX--	15
19. 1972 -- mumps; ICD-8 code 072; TX/4, CA/2, IN/2, NY/2, PA/2, UT/2, WV/2	-- 16
20. 1973 -- mumps; ICD-8 code 072; CA/2, 1 each FL ID MN OK OR PA RI TN WA WV--	12
1974 -- mumps; ICD-8 code 072; AL, LA, MA, MO, OR, WA 1 each	-- 6
1975 -- mumps; ICD-8 code 072; CA, LA, NC, OH, TX, VA, WI and WY 1 each	-- 8
1976 -- mumps, CA (1), LA (1), MD (1), NJ (1), NY (1), OH (1), PA (1), TX (1)	-- 8
1977 -- mumps, CA (1), GA (1), MI (1), NC (1), WI (1)	-- 5
1978 -- mumps, MN (1), NM (1), TX (1)	-- 3

Disease – PLAGUE – by Mortality

1. 1900-04 -- bubonic plague “epidemic,” May-Feb, San Francisco, CA	-- 113
2. 1907 -- May 27-Dec 31, bubonic plague epidemic, San Francisco, CA	--77-96
3. 1899 -- Dec 11-Mar 31, 1900 -- bubonic (Black) plague (Asian ship), Honolulu, HI	-- 61
4. 1924 -- Oct-Nov esp. pneumonic and bubonic plague epidemic, Los Angeles, CA	--35-37
1980 -- plague (all forms/5, bubonic/2), New Mexico (3), CA (1), NV (1)	-- 5
1947 -- plague, Int. List No. 3	-- 1
1967 -- bubonic plague	-- 1

Disease – PLAGUE – Chronological

1. 1899 -- Dec 11-Mar 31, 1900 -- bubonic (Black) plague (Asian ship), Honolulu, HI	-- 61
2. 1900-04 -- bubonic plague “epidemic,” May-Feb, San Francisco, CA	-- 113
3. 1907 -- May 27-Dec 31, bubonic plague epidemic, San Francisco, CA	--77-96
4. 1924 -- Oct-Nov esp. pneumonic and bubonic plague epidemic, Los Angeles, CA	--35-37
5. 1947 -- plague, Int. List No. 3	-- 1
1967 -- bubonic plague	-- 1
1980 -- plague (all forms/5, bubonic/2), New Mexico (3), CA (1), NV (1)	-- 5

Diseases -- PNEUMONIA and Pleurisy -- By Mortality

1. 1967 -- pneumonia --55,417
2. 1862 -- Feb-Jun 1865 (41 mo.), pneumonia/pleurisy, Confederate POWs, Camp Douglas IL --1,296
3. 1864 -- Feb-June 1865 (17 mo.), pneumonia/pleurisy, Confederate POWs, Camp Chase, OH-- 954
4. 1864 -- July-June 1865 (12 mo.), pneumonia/pleurisy, Confederate POWs, Elmira, NY-- 773

Diseases -- PNEUMONIA and Pleurisy -- Chronological

1. 1862 -- Feb-Jun 1865 (41 mo.), pneumonia/pleurisy, Confederate POWs, Camp Douglas IL --1,296
2. 1864 -- Feb-June 1865 (17 mo.), pneumonia/pleurisy, Confederate POWs, Camp Chase, OH-- 954
3. 1864 -- July-June 1865 (12 mo.), pneumonia/pleurisy, Confederate POWs, Elmira, NY-- 773
4. 1967 -- pneumonia --55,417

Disease -- POLIO (poliomyelitis) – By Mortality

1. 1916 -- July-Sep esp. polio, esp. NYC/NY (3,331), NJ (1,180), PA (414) 6,745->7,000
2. 1952 -- polio, esp. IL/258, TX/≥240, MI/218 CA/217 MN/200 OH, IA/163 KY/132 NE/115 ~3,300
3. 1949 -- July-Nov esp., polio, esp., NY/320, IL/246, MI/210, TX/183, NJ/180, CA/236 --2,720
4. 1910 -- Sum-fall esp., polio, esp. IA/161, MA/122, MN/97, NY/170, PA/269 --1,459-2,449
5. 1931 -- polio, esp. July-Oct (Aug peak), esp. NY, NJ, MI, MA, IL, CT, PA 2,139-2,144
6. 1927 -- polio (acute), esp. late summer and fall, esp. children, esp. CA, MA, OH --2,013
7. 1950 -- polio (acute), esp. Jul-Nov (1,611 deaths), esp. CA, IL, MI, NY, OH, PA, TX --1,904
8. 1948 -- polio, esp. CA/365, MN/196, TX/190, NC/143, WI/92, SD/90 OH/87 IA/76 --1,895
9. 1946 -- July-Nov esp., polio, esp. MN/216, IL/185, TX/102, CA/99, MO/97, KS/91 --1,845
10. 1921 -- polio (acute), esp. late summer-fall, esp. children, esp. NY, IL, WA, MI --1,597

11. 1951 -- polio (acute), especially July-Nov, especially CA, IL, TX 1,551-1,555
12. 1925 -- polio, esp. late Sum.-fall, esp. children, esp. NY/208, CA/149, MN/140 --1,519
13. 1937 -- polio (acute), especially late summer and fall, especially children --1,461
14. 1953 -- polio (acute), especially CA, IL, MI, and NY --1,450
15. 1954 -- polio, acute; esp. TX/138 & CA/119; 33 other states double digit deaths --1,389
16. 1928 -- polio (acute), especially late summer and fall, especially children --1,381
17. 1944 -- polio (acute), especially July-Nov (1,070 deaths), esp. NY, OH and PA --1,381
18. 1930 -- polio (acute), especially late summer and fall, especially children --1,370
19. 1945 -- polio (acute), Jan-Dec, especially July-Nov (Sept. peak), esp. children --1,186
20. 1917 -- polio, Census area (27 States/DC/43 cities), esp. Chicago/177 OH/128 VA/69 ≥1,182
21. 1943 -- polio (acute), especially late summer and fall, especially children --1,151
22. 1912 -- polio, acute anterior, code 63; Census “registration area” was 63.2% of pop. --1,081
23. 1924 -- polio (acute), especially late summer and fall, especially children --1,079
24. 1911 -- polio, US registration area (63.1%), esp. OH/137, NY/101, PA/93, IN/69, KY/61--1,060
25. 1955 -- polio (acute); all States, esp. MA/168 (Boston ~200), WI/166, NY/77, TX/76 --1,043
26. 1935 -- polio (acute), especially late summer-and fall, especially children --1,040
27. 1940 -- polio (acute), esp. late summer-fall, esp. IL, IN, IA, KS, MI, OH and WV --1,026

27. 1932 -- polio (acute), especially late summer and fall, especially children -- 885
28. 1913 -- polio, acute, esp. June-Sep (Sep peak), US “registration area” (65.1% pop.) -- 864
29. 1934 -- polio (acute), especially late summer and fall, especially children -- 852
30. 1926 -- polio (acute), especially late summer and fall, especially children -- 851
31. 1923 -- polio (acute), especially late summer and fall, especially children -- 850
32. 1929 -- polio (acute), especially late summer and fall, especially children -- 812
33. 1941 -- polio (acute), especially late summer and fall, especially children -- 807

34. 1933 -- polio (acute), especially late summer and fall, especially children -- 797
35. 1922 -- polio (acute), especially late summer and fall, especially children -- 790
36. 1936 -- polio (acute), especially late summer and fall, especially children -- 780
37. 1939 -- polio (acute), especially late summer and fall, especially children -- 773
38. 1920 -- polio (acute), especially late summer and fall, 33 “registration states” -- 769
39. 1919 -- polio (acute). Especially late summer and fall, especially children -- 747
40. 1914 -- polio (acute anterior), esp. late sum.-fall, esp. children, esp. NY/88, PA/65, VT/54-- 720

Disease -- POLIO (poliomyelitis) – By Mortality:

41. 1915 -- polio, esp. late summer-fall, US registration area (67-1% pop.) esp. children	--	691
42. 1947 -- polio (acute), especially late summer and fall, especially children	--	580
43. 1909 -- polio (acute), especially MA (74), MN (30) and NE (135) ND (19)	--	569
44. 1956 -- polio/acute, 15 states in double-digits, esp. TX/76, IL/71, CA/62, NY/29, WI/26--		566
45. 1942 -- polio (acute), especially late summer and fall, especially children	--	561
46. 1938 -- polio (acute), especially late summer and fall, especially children	--	487
47. 1959 -- polio (acute, as opposed to late effects of), esp. NY/49, MO/34, IA/22	--	454
48. 1958 -- polio (acute), esp. MI/36, OH/20, TX/20, CA/13, MO/12, IL/NY/PA/WV/11 each--		255
49. 1960 -- polio (acute, as opposed to late effects), especially NY/26, CA/24, TX/14, PA	--	230
50. 1957 -- polio, acute; double digit states: CA/22, IL/17, IN/11, MI/14, OH/13, TX/38	--	221
51. 1918 -- June-Nov, polio outbreak, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY	--	~180
52. 1964 -- polio, acute/17, and late effects of acute poliomyelitis/115	--	132
53. 1968 -- polio; ICD-8 codes 040-044; esp. CA/15, TX/12, NY/8, OH/8, MI/7, FL/6	--	130
54. 1907 -- summer-autumn (Sep peak), polio epidemic, NY, esp. greater NYC	--	100-125
55. 1967 -- polio, acute and late effects	--	121
56. 1969 -- polio; ICD-8 codes 040-044; especially CA/17, OH/10, FL/8, TX/7, MO/WI	--	110
57. 1971 -- polio; ICD-8 codes 040-044; especially CA/13, NY/11, TX/8, PA/7, NC/5	--	108
58. 1977 -- polio (acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K	--	100
59. 1978 -- polio (acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K	--	95
60. 1973 -- polio; ICD-8 codes 040-044; esp. CA/8, NY/7, TX/6, MA/5, WV/5	--	93
61. 1961 -- polio, acute (as opposed to late effects), 33 States, esp. mid-Atlantic, esp. NY/15--		90
62. 1976 -- polio (acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6	--	90
63. 1974 -- polio; acute poliomyelitis/ICD-8 codes 040-044; especially CA (10), NY (9)	--	89
64. 1908 -- summer-fall, polio outbreak, IA, MA, MI, MN (13), VA, esp. WI (61)	--	87
65. 1975 -- polio (acute poliomyelitis, ICD-8 codes 040-044), especially CA (9), NY (6)	--	78
66. 1972 -- polio; ICD-8 codes 040-044; esp. CA/18, FL/6 and NY/6	--	76
67. 1962 -- polio (acute), especially children	--	60
68. 1963 -- polio, acute; not including late effects of poliomyelitis, esp. children, esp. CA/5--		41
69. 1894 -- polio epidemic, VE, especially Rutland & Wallingford	--	18
70. 1965 -- polio, acute (does not include late effects of poliomyelitis), especially TX (4)	--	16
1966 -- polio (acute), especially children	--	9
1980 -- polio, DE (1), NY (2), OH (2), PA (1)	--	6
1979 -- polio, CA (2), CT (1), MA (1)	--	4

Disease -- POLIO (poliomyelitis) -- CHRONOLOGICAL

1. 1894 -- polio (acute), VE, especially Rutland & Wallingford -- 18
2. 1907 -- polio (acute) epidemic, summer-fall (Sep peak), NY, esp. greater NYC --100-125
3. 1908 -- polio (acute), summer-fall, IA, MA, MI , MN (13), VA, esp. WI (61) -- 87
4. 1909 -- polio (acute), especially MA (74), MN (30) and NE (135) ND (19) -- 569
5. 1910 -- polio, summer-fall esp., esp. IA/161, MA/122, MN/97, NY/170, PA/269--1,459-2,449
6. 1911 -- polio, US registration area (63.1%), esp. OH/137, NY/101, PA/93, IN/69, KY/61--1,060
7. 1912 -- polio, acute anterior, code 63; Census “registration area” was 63.2% of pop. --1,081
8. 1913 -- polio, acute, esp. June-Sep (Sep peak), US “registration area” (65.1% pop.) -- 864
9. 1914 -- polio (acute anterior), esp. late sum.-fall, esp. children, esp. NY/88, PA/65, VT/54--720
10. 1915 -- polio, esp. late summer-fall, US registration area (67-1% pop.) esp. children -- 691
11. 1916 -- polio, July-Sep esp., esp. NYC/NY (3,331), NJ (1,180), PA (414) --6,745->7,000
12. 1917 -- polio, Census area (27 States/DC/43 cities), esp. Chicago/177 OH/128 VA/69 ≥1,182
13. 1918 -- polio (acute), esp. Jun-Nov, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY --~180
14. 1919 -- polio (acute), especially late summer and fall, especially children -- 747
15. 1920 -- polio (acute) especially late summer and fall (33 “registration states) -- 769
16. 1921 -- polio (acute), esp. late summer-fall, esp. children, esp. NY, IL, WA, MI --1,597
17. 1922 -- polio (acute), especially late summer and fall, especially children -- 790
18. 1923 -- polio (acute), especially late summer and fall, especially children -- 850
19. 1924 -- polio (acute), especially late summer and fall, especially children --1,079
20. 1925 -- polio, esp. late Sum.-fall, esp. children, esp. NY/208, CA/149, MN/140 --1,519
21. 1926 -- polio (acute), especially late summer and fall, especially children -- 851
22. 1927 -- polio (acute), esp. late summer and fall, esp. children, esp. CA, MA, OH --2,013
23. 1928 -- polio (acute), especially late summer and fall, especially children --1,381
24. 1929 -- polio (acute), especially late summer and fall, especially children -- 812
25. 1930 -- polio (acute), especially late summer through fall, especially children --1,370
26. 1931 -- polio, esp. July-Oct (Aug peak), esp. NY, NJ, MI, MA, IL, CT, PA --2,139-2,144
27. 1932 -- polio (acute), especially late summer and fall, especially children -- 885
28. 1933 -- polio (acute), especially late summer and fall, especially children -- 797
29. 1934 -- polio (acute), especially late summer and fall, especially children -- 852
30. 1935 -- polio (acute), especially late summer-and fall, especially children --1,040
31. 1936 -- polio (acute), especially late summer and fall, especially children -- 780
32. 1937 -- polio (acute), especially late summer and fall, especially children --1,461
33. 1938 -- polio (acute), especially late summer and fall, especially children -- 487
34. 1939 -- polio (acute), especially late summer through fall, especially children -- 773
35. 1940 -- polio (acute), nationwide, especially IL, IN, IA, KS, MI, OH and WV --1,026
36. 1941 -- polio (acute), especially late summer and fall, especially children -- 807
37. 1942 -- polio (acute), especially late summer and fall, especially children -- 561
38. 1943 -- polio (acute), especially late summer and fall, especially children --1,151
39. 1944 -- polio, especially July-Nov (1,070 deaths), esp. NY, OH and PA --1,381

- 40. 1945 -- polio (acute), Jan-Dec, especially July-Nov (Sept. peak) --1,186
- 41. 1946 -- July-Nov esp., polio, esp. MN/216, IL/185, TX/102, CA/99, MO/97, KS/91 --1,845
- 42. 1947 -- polio (acute), the year, especially late summer and fall, nationwide -- 580
- 43. 1948 -- polio, esp. CA/365, MN/196, TX/190, NC/143, WI/92, SD/90 OH/87 IA/76 --1,895
- 44. 1949 -- July-Nov esp., polio, esp., NY/320, IL246, MI/210, TX/183, NJ/180, CA/236 --2,720

Disease -- POLIO (poliomyelitis) – Chronological, cont.

- 45. 1950 -- polio, esp. July-Nov (1,611 deaths), esp. CA, IL, MI, NY, OH, PA, TX --1,904
- 46. 1951 -- polio (acute), especially July-Nov, especially CA, IL, TX --1,551-1,555
- 47. 1952 -- polio, esp. IL/258, TX/≥240, MI/218 CA/217 MN/200 OH, IA/163 KY/132 NE/115 ~3,300
- 48. 1953 -- polio (acute), especially CA, IL, MI, and NY --1,450
- 49. 1954 -- polio, acute; esp. TX/138 & CA/119; 33 other states double digit deaths --1,389
- 50. 1955 -- polio (acute); all States, esp. MA/168 (Boston ~200), WI/166, NY/77, TX/76 --1,043

April 13, 1955 – polio vaccine becomes available

- 51. 1956 -- polio/acute, 15 states in double-digits, esp. TX/76, IL/71, CA/62, NY/29, WI/26--566
- 52. 1957 -- polio, acute; double digit states: CA/22, IL/17, IN/11, MI/14, OH/13, TX/38 -- 221
- 53. 1958 -- polio (acute), esp. MI/36, OH/20, TX/20, CA/13, MO/12, IL/NY/PA/WV/11 each--255
- 54. 1959 -- polio (acute, as opposed to late effects of), esp. NY/49, MO/34, IA/22 -- 454

- 55. 1960 -- polio (acute, as opposed to late effects), especially NY/26, CA/24, TX/14, PA -- 230
- 56. 1961 -- polio, acute (as opposed to late effects), 33 States, esp. mid-Atlantic, esp. NY/15-- 90
- 57. 1962 -- polio, acute, especially children -- 60
- 58. 1963 -- polio, acute; not including late effects of poliomyelitis, esp. children, esp. CA/5-- 41
- 59. 1964 -- polio, acute/17, and late effects of acute poliomyelitis/115 -- 132
- 60. 1965 -- polio, acute (does not include late effects of poliomyelitis), especially TX (4) -- 16
- 1966 -- polio, acute, especially children (does not include late effects of poliomyelitis)-- 9
- 61. 1967 -- polio, acute and late effects -- 121
- 62. 1968 -- polio; ICD-8 codes 040-044; esp. CA/15, TX/12, NY/8, OH/8, MI/7, FL/6 -- 130
- 63. 1969 -- polio; ICD-8 codes 040-044; especially CA/17, OH/10, FL/8, TX/7, MO/WI/5-- 110

- 64. 1970 -- polio; ICD-8 codes 040-044; especially CA/17, NY/14, TX/13, MI/9, FL/7 -- 128
- 65. 1971 -- polio; ICD-8 codes 040-044; especially CA/13, NY/11, TX/8, PA/7, NC/5 -- 108
- 66. 1972 -- polio; ICD-8 codes 040-044; esp. CA/18, FL/6 and NY/6 -- 76
- 67. 1973 -- polio; ICD-8 codes 040-044; esp. CA/8, NY/7, TX/6, MA/5, WV/5 -- 93
- 68. 1974 -- polio; acute poliomyelitis, ICD-8 codes 040-044; especially CA (10), NY (9) -- 89
- 69. 1975 -- polio; acute poliomyelitis, ICD-8 codes 040-044, especially CA (9), NY (6) -- 78
- 70. 1976 -- polio; acute poliomyelitis, ICD-8 codes 040-045, especially CA/11, MI/6 -- 90
- 71. 1977 -- polio; acute poliomyelitis, ICD-8 codes 040-045, US death rate 0.05 per 100K-- 100
- 72. 1978 -- polio; acute poliomyelitis, ICD-8 codes 040-045, US death rate 0.04 per 100K-- 95

- 1979 -- polio, CA (2), CT (1), MA (1) -- 4
- 1980 -- polio, DE (1), NY (2), OH (2), PA (1) -- 6

Disease – RUBELLA (German measles) -- By Mortality

1.	1964-65 -- rubella (German measles), last major US rubella epidemic, esp. newborn	--2,100
2.	1952 -- rubella (German measles); US PHS <i>Vital Statistics 1952: Vol. II</i> code 086)	-- 31
3.	1970 -- rubella (German measles); ICD-8 code 056, esp. TX/6 CA/3 AR/OH/WA/2 each--	31
4.	1969 -- rubella (German measles); ICD-8 code 056, esp. CA/5, NY/4	-- 29
5.	1958 -- rubella (German measles)	-- 24
6.	1968 -- rubella (German measles), ICD-8 code 056, esp. CA (5)	-- 24
7.	1975 -- rubella (German measles); ICD-8 code 056; esp. IL/3, LA/3, CA/2, PA/2	-- 21
8.	1971 -- rubella/German measles; ICD-8 code 056; AL CA GA HI IL IN IA LA MA NC OK PA TN TX--	20
9.	1953 -- rubella (German measles; code 086)	-- 17
10.	1977 -- rubella (German measles); MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1	-- 17
11.	1963 -- rubella (German measles)	-- 16
12.	1965 -- rubella (German measles)	-- 16
13.	1967 -- rubella (German measles)	-- 16
14.	1973 -- rubella (German measles), ICD-8 code 056, esp. MI (4), CA (3), TX (2)	-- 16
15.	1974 -- rubella (German measles), ICD-8 code 056, esp. AL (3), AZ (2), MA (2)	-- 15
16.	1961 -- rubella (German measles)	-- 14
17.	1972 -- rubella (German measles), ICD-8 code 056, CA IN LA MA NE NY OH 2 each	-- 14
18.	1951 -- rubella (German measles)	-- 13
19.	1960 -- rubella (German measles)	-- 12
20.	1976 -- rubella (German measles), MI/3, CA/IL/KY/VA/2, AZ/FL/GA/NM/NY/WI/1	-- 12
21.	1978 -- rubella (German measles), ICD 8 code 056.0; CA/FL/IL/IN/MO/OK/TN/WI	-- 10
	1950 -- German measles (rubella)	-- 9
	1955 -- rubella (German measles)	-- 8
	1962 -- German measles (rubella)	-- 8
	1990 -- German measles (rubella), ICD 9 code 056.0; State or States not noted	-- 8
	1981 -- German measles (rubella), ICD 9 code 056.0; CA/IN/MA/OH/WA, 1 each	-- 5
	1982 -- German measles (rubella), ICD 9 code 056.0; AZ/MS/NH/NY, 1 each	-- 4
	1989 -- German measles (rubella), ICD 9 code 056.0; State or States not noted	-- 4
	1983 -- German measles (rubella), ICD 9 code 056.0; FL/KS/NM 1 each	-- 3
	1979 -- German measles (rubella), ICD 9 code 056.0; KS	-- 1
	1980 -- German measles (rubella), ICD 9 code 056.0; CA	-- 1
	1984 -- German measles (rubella), ICD 9 code 056.0; CA/1	-- 1
	1985 -- German measles (rubella), ICD 9 code 056.0; MO/1	-- 1
	1986 -- German measles (rubella), ICD 9 code 056.0; TX/1	-- 1
	1988 -- German measles (rubella), ICD 9 code 056.0; NY/1	-- 1
	1991 -- German measles (rubella), ICD 9 code 056.0; State not noted	-- 1
	1992 -- German measles (rubella), ICD 9 code 056.0; State not noted	-- 1
	1995 -- German measles (rubella), ICD 9 code 056.0; State not noted	-- 1
	1987 -- German measles (rubella), ICD 9 code 056.0	-- 0
	1993 -- German measles (rubella), ICD 9 code 056.0	-- 0
	1994 -- German measles (rubella), ICD 9 code 056.0	-- 0
	1996 -- German measles (rubella), ICD 9 code 056.0	-- 0

1997 -- German measles (rubella), ICD 9 code 056.0	--	0
1998 -- German measles (rubella), ICD 9 code 056.0	--	0

Disease – RUBELLA (German measles) – Chronological
 (Not to be confused with Measles, a separate category above.)

1.	1950 -- German measles (rubella)	--	9
2.	1951 -- rubella (German measles)	--	13
3.	1952 -- rubella (German measles); US PHS <i>Vital Statistics 1952: Vol. II</i> code 086	--	31
4.	1953 -- rubella (German measles); US PHS <i>Vital Statistics 1953: Vol. II</i> code 086	--	17
5.	1955 -- rubella (German measles)	--	8
6.	1958 -- rubella (German measles)	--	24
7.	1960 -- rubella (German measles)	--	12
8.	1961 -- rubella (German measles)	--	14
9.	1962 -- rubella (German measles)	--	8
10.	1963 -- rubella (German measles)	--	16
11.	1964-65 -- rubella (German measles), last major US rubella epidemic, esp. newborn	--	2,100
12.	1965 -- rubella (German measles)	--	16
13.	1967 -- rubella (German measles)	--	16
14.	1968 -- rubella (German measles), ICD-8 code 056, esp. CA (5)	--	24
15.	1969 -- rubella (German measles), ICD-8 code 056, esp. CA/5, NY/4	--	29
16.	1970 -- rubella (German measles), ICD-8 code 056, esp. TX/6 CA/3 AR/OH/WA/2 each	--	31

1971 – a combined measles, mumps, and rubella (MMR) vaccine licensed for U.S. use

17.	1971 -- rubella/German measles; ICD-8 code 056; AL CA GA HI IL IN IA LA MA NC OK PA TN TX	--	20
18.	1972 -- rubella (German measles), ICD-8 code 056, CA IN LA MA NE NY OH 2 each	--	14
19.	1973 -- rubella (German measles), ICD-8 code 056, esp. MI (4), CA (3), TX (2)	--	16
20.	1974 -- rubella (German measles), ICD-8 code 056, esp. AL (3), AZ (2), MA (2)	--	15
21.	1975 -- rubella (German measles); ICD-8 code 056; esp. IL/3, LA/3, CA/2, PA/2	--	21
22.	1976 -- German measles (rubella), MI/3, CA/IL/KY/VA/2, AZ/FL/GA/NM/NY/WI/1	--	12
23.	1977 -- German measles (rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1	--	17
24.	1978 -- German measles (rubella), ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI	--	10

1979 -- current (2021) rubella vaccine component (RA27/3) was licensed for use in the U.S.

1979	-- German measles (rubella), ICD 9 code 056.0; KS	--	1
1980	-- German measles (rubella), ICD 9 code 056.0; CA	--	1
1981	-- German measles (rubella), ICD 9 code 056.0; CA/IN/MA/OH/WA 1 each	--	5
1982	-- German measles (rubella), ICD 9 code 056.0; AZ/MS/NH/NY, 1 each	--	4
1983	-- German measles (rubella), ICD 9 code 056.0; FL/KS/NM 1 each	--	3
1984	-- German measles (rubella), ICD 9 code 056.0; CA/1	--	1
1985	-- German measles (rubella), ICD 9 code 056.0; MO/1	--	1
1986	-- German measles (rubella), ICD 9 code 056.0; TX/1	--	1
1987	-- German measles (rubella), ICD 9 code 056.0	--	0

1988 -- German measles (rubella), ICD 9 code 056.0; NY/1	--	1
1989 -- German measles (rubella), ICD 9 code 056.0; State or States not noted	--	4
1990 -- German measles (rubella), ICD 9 code 056.0; State or States not noted	--	8
1991 -- German measles (rubella), ICD 9 code 056.0; State not noted	--	1
1992 -- German measles (rubella), ICD 9 code 056.0; State not noted	--	1
1993 -- German measles (rubella), ICD 9 code 056.0	--	0
1994 -- German measles (rubella), ICD 9 code 056.0	--	0
1995 -- German measles (rubella), ICD 9 code 056.0; State not noted	--	1
1996 -- German measles (rubella), ICD 9 code 056.0	--	0
1997 -- German measles (rubella), ICD 9 code 056.0	--	0
1998 -- German measles (rubella), ICD 9 code 056.0	--	0

Disease -- SCARLET FEVER -- By Mortality

1. 1860 -- scarlatina (scarlet fever), 38 Census "Registration" States and DC	26,402
2. 1870 -- scarlet fever, especially children, especially IL, MO, NY, PA, WI	20,339
3. 1880 -- scarlet fever, especially children, nationwide, especially IN, NY and PA	16,388
4. 1850 -- scarlet fever, esp. PA/1,974, OH/1,301, NY/1,028, MA/571, MD/561, VA/523	--9,584
5. 1900 -- scarlet fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334	--6,333
6. 1907 -- scarlet fever, especially children, Census "Registration" States and localities	--4,309
7. 1920 -- scarlet fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE ³³⁸	--4,004
8. 1874 -- scarlet fever, esp. NYC/879, Cincinnati/687, Brooklyn/479, Philly/461, VT	--3,996
9. 1925 -- scarlet fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169	--2,762
10. 1871 -- scarlet fever, esp. NYC/791, Baltimore/625, MI/696, MN/335, Philly/262	--2,709
11. 1931 -- scarlet fever, especially children, especially IL	--2,651
12. 1796 -- scarlet fever epidemic (especially children), Marblehead, MA and esp. VT	--681-846
13. 1837 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA	-- 823
14. 1911 -- scarlet fever, especially children, NYC, NY	-- 741
15. 1912 -- scarlet fever, especially children, NYC, NY	-- 615
16. 1873 -- scarlet fever, especially children, MI	-- 580
17. 1872 -- scarlet fever, especially children, MI	-- 565
18. 1875 -- scarlet fever, esp. children, Michigan (423) and Hudson County, NJ (114)	-- 537
19. 1913 -- scarlet fever, especially children, NYC, NY	-- 507
20. 1949 -- scarlet fever (39)/code 050 and streptococcal sore throat (447)/code 051	-- 486
21. 1836 -- scarlet fever, especially children, Boston, New York City, Philadelphia	-- 458
22. 1914 -- scarlet fever, especially children, NYC, NY	-- 451
23. 1944 -- scarlet fever, Int. List No. 8 (Communicable diseases)	-- 422
24. 1952 -- scarlet fever & streptococcal sore throat, esp. MO/28, NY/22, OH/20, GA/19	-- 352
25. 1951 -- scarlet fever (72) and streptococcal sore throat (275)	-- 347
26. 1950 -- scarlet fever (35) and streptococcal sore throat (311) US PHS Mortality Data	-- 346
27. 1945 -- scarlet fever, Int. List No. 8 (Communicable diseases)	-- 303
28. 1953 -- scarlet fever and streptococcal sore throat, esp. TX/23, MO/21, NY/20, PA/19	-- 296
29. 1878 -- scarlet fever, Hudson County, NJ (113); fall, Cincinnati, OH (181)	-- 294
30. 1915 -- scarlet fever, especially children, NYC, NY	-- 291
31. 1954 -- scarlet fever/streptococcal sore throat, esp. TX/19, NY/18, PA/17, WI/15, IN/14	-- 263
32. 1869 -- scarlet fever, especially children, MI	-- 252
33. 1956 -- scarlet fever/streptococcal sore throat, esp. TX/21, NY/14, OH/14, WV/12	-- 240

³³⁸ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

34. 1955 -- scarlet fever/streptococcal sore throat, esp. NY/21, OH/12, MO/11, TX/11 -- 235
 35. 1879 -- scarlet fever epidemic, especially children, Hudson County, NJ -- 232
 36. 1882 -- Jan 1-26, scarlet fever epidemic, especially children, NY, NJ -- 227
 37. 1877 -- scarlet fever, especially children, Hudson County, NJ -- 213
 38. 1957 -- scarlet fever/streptococcal sore throat, esp. TX/15, MO/14, NY/13, OH & PA/12-- 213

Disease -- SCARLET FEVER -- By Mortality -- continued:

39. 1946 -- scarlet fever, Int. List No. 8 -- 198
 40. 1876 -- scarlet fever, especially children, Hudson County, NJ -- 183
 41. 1958 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10) -- 138
 42. 1959 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10) -- 130
 43. 1961 -- scarlet fever and streptococcal sore throat, especially CA, TN, TX (10 each) -- 130
 44. 1894 -- Jan 20-Jun 16, scarlet fever, esp. children, Brooklyn & New York City, NY -- 123
 45. 1906 -- scarlet fever, week of Dec 21, especially children, Chicago, IL -- 115
 46. 1735 -- Aug-July, 1736 -- scarlet fever outbreak, Boston, MA --100-114
 47. 1960 -- scarlet fever and streptococcal sore throat, especially TX (13) and KY (12) -- 108
 48. 1947 -- scarlet fever, Int. List No. 8 -- 107
 49. 1962 -- scarlet fever and streptococcal sore throat, especially TX (10) -- 102
 50. 1963 -- scarlet fever and streptococcal sore throat, esp. TX (12) and IL (7) -- 102
 51. 1964 -- scarlet fever & streptococcal sore throat, esp. MO/6 OH/6, FL/GA/KY/NY/PA/5 each--95
 52. 1794 -- scarlet fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT-- ≥76
 53. 1848 -- scarlet fever, especially children, Mobile, AL -- 75
 54. 1948 -- scarlet fever, ICD code 8 (1948) -- 68
 55. 1966 -- scarlet fever and streptococcal sore throat, especially TX (12), NY (10) -- 65
 56. 1965 -- scarlet fever and streptococcal sore throat, esp. TX/7, GA/NC/SC/ 4 each -- 63
 57. 1810-11 -- “canker rash” (diphtheria or scarlet fever),³³⁹ children, Winchendon, MA -- 59
 58. 1849 -- scarlet fever, especially children, Mobile, AL -- 50
 59. 1967 -- scarlet fever and streptococcal sore throat -- 47
 60. 1795 -- Scarlett fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11-- ≥39
 61. 1804 -- scarlet fever (“Canker Rash”), Reading, Windsor County, VT (15), NYC (14) -- 29
 62. 1793 -- scarlet fever, New England (esp. CT), New Jersey, New York, Philadelphia -- ≥25
 63. 1832 -- June 16-22, scarlet fever, Binghamton, NYC, Oneonta, Yonkers -- 17
 64. 1854 -- Late March through early April (esp.) scarlet fever outbreak, Jacksonville, FL -- ≤12

³³⁹ “Canker rash” was term to describe both what was later referred to as scarlet fever and diphtheria. There were similar and dissimilar symptoms. Thus without detailed descriptions at the time it is not clear which disease. Thus, we choose to cross-list this entry in both diphtheria and scarlet fever, rather than once in “Other.”

65. 1771 -- May-July, scarlet fever (especially children), Duxbury, MA -- ≥ 10

Disease – **SCARLET FEVER** – **By Mortality** – continued:

1969 -- scarlet fever, ICD-8 code 034.1; CA (2), FL (2), MS (1), OH (1), TX (1)	--	7
1973 -- scarlet fever, ICD-8 code 034.1; CA/1, IA/1, NV/1, TN/2, TX/1	--	6
1965 -- scarlet fever	--	5
1970 -- scarlet fever, ICD-8 code 034.1; NC/1, OH/1, PA/1, TX/2	--	5
1968 -- scarlet fever, ICD-8 code 034.1; AL (1), AR (1), FL (1), WA (1)	--	4
1971 -- scarlet fever; ICD-8 code 34.1; IN/1, IA/1, NC/1, TX/1	--	4
1978 -- scarlet fever, ICD-8 code 034.1; CA (1), NY (1), TX (2)	--	4
1974 -- scarlet fever, ICD-8 code 034.1; CA (1), NY (1), WA (1)	--	3
1972 -- scarlet fever, ICD-8 code 034.1; OH (2)	--	2
1975 -- scarlet fever, ICD-8 code 034.1; AZ (1), NY (1)	--	2
1976 -- scarlet fever, ICD-8 code 034.1; FL (1), NY (1)	--	2

Disease -- SCARLET FEVER -- Chronological

1. 1735 -- Aug-July, 1736 -- scarlet fever outbreak, Boston, MA --100-114
2. 1771 -- May-July, scarlet fever (especially children), Duxbury, MA -- \geq 10
3. 1793 -- scarlet fever, New England (esp. CT), New Jersey, New York, Philadelphia -- \geq 25
4. 1794 -- scarlet fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT-- \geq 76
5. 1795 -- Scarlett fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11 -- \geq 39
6. 1796 -- scarlet fever epidemic (especially children), Marblehead, MA and esp. VT --681-846
7. 1804 -- scarlet fever (“Canker Rash”), Reading, Windsor County, VT (15), NYC (14) -- 29
8. 1810-11 -- “Canker Rash” (diphtheria or scarlet fever),³⁴⁰ children, Winchendon, MA -- 59
9. 1832 -- scarlet fever, Jun 16-22, Binghamton, NYC, Oneonta, Yonkers -- 17
10. 1836 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA -- 458
11. 1837 -- scarlet fever, Boston, MA, New York City, NY, Philadelphia, PA -- 823
12. 1848 -- scarlet fever outbreak, Mobile, AL -- 75
13. 1849 -- scarlet fever outbreak, Mobile, AL -- 50
14. 1850 -- scarlet fever, esp. PA/1,974, OH/1,301, NY/1,028, MA/571, MD/561, VA/523 --9,584
15. 1854 -- Late March through early April (esp.) scarlet fever outbreak, Jacksonville, FL -- \leq 12
16. 1860 -- scarlatina (scarlet fever), 38 Census “Registration” States and DC --26,402
17. 1869 -- scarlet fever, especially children, MI -- 252
18. 1870 -- scarlet fever, esp. IL, MO, NY, PA, WI 20,339
19. 1871 -- scarlet fever, esp. NYC/791, Baltimore/625, MI/696, MN/335, Philly/262 --2,709
20. 1872 -- scarlet fever, especially children, MI -- 565
21. 1873 -- scarlet fever, especially children, MI -- 580
22. 1874 -- scarlet fever, esp. NYC/879, Cincinnati/687, Brooklyn/479, Philly/461, VT --3,996
23. 1875 -- scarlet fever, Michigan (423) and Hudson County, NJ (114) -- 537
24. 1876 -- scarlet fever, Hudson County, NJ -- 183
25. 1877 -- scarlet fever, Hudson County, NJ -- 213
26. 1878 -- scarlet fever, Hudson County, NJ (113); fall, Cincinnati, OH (181) -- 294
27. 1879 -- scarlet fever epidemic, Hudson County, NJ -- 232
28. 1880 -- scarlet fever, especially children, nationwide, especially IN, NY and PA 16,388
29. 1882 -- Jan 1-26, scarlet fever outbreak, NY, NJ -- 227
30. 1894 -- scarlet fever outbreak, Jan 20-Jun 16, Brooklyn & New York City, NY -- 123

³⁴⁰ “Canker rash” was term used to describe what was later referred to as scarlet fever and diphtheria. There were similar and dissimilar symptoms. Thus without detailed descriptions at the time it is not clear which disease. Thus, we choose to cross-list this entry in both diphtheria and scarlet fever, rather than once in “Other.”

Disease -- SCARLET FEVER -- Chronological

31. 1900 -- scarlet fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334	--6,333
32. 1906 -- scarlet fever, week of Dec 21, Chicago, IL	-- 115
33. 1907 -- scarlet fever, Census "Registration" States and localities	--4,309
34. 1911 -- scarlet fever, NYC, NY	-- 741
35. 1912 -- scarlet fever, NYC, NY	-- 615
36. 1913 -- scarlet fever, NYC, NY	-- 507
37. 1914 -- scarlet fever, NYC, NY	-- 451
38. 1915 -- scarlet fever, NYC, NY	-- 291
39. 1920 -- scarlet fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE ³⁴¹	--4,004
1924 -- scarlet fever vaccine became available; was eclipsed by penicillin in the 1940s.	
40. 1925 -- scarlet fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169	--2,762
41. 1931 -- scarlet fever, especially children, especially IL	--2,651
42. 1944 -- scarlet fever, Int. List No. 8 (Communicable diseases)	-- 422
43. 1945 -- scarlet fever, Int. List No. 8 (Communicable diseases)	-- 303
44. 1946 -- scarlet fever, Int. List No. 8	-- 198
45. 1947 -- scarlet fever, Int. List No. 8	-- 107
46. 1948 -- scarlet fever, ICD code 8 (1948)	-- 68
47. 1949 -- scarlet fever (39)/code 050 and streptococcal sore throat (447)/code 051	-- 486
48. 1950 -- scarlet fever (35) and streptococcal sore throat (311) US PHS Mortality Data	-- 346
49. 1951 -- scarlet fever (72) and streptococcal sore throat (275)	-- 347
50. 1952 -- scarlet fever & streptococcal sore throat, esp. MO/28, NY/22, OH/20, GA/19	-- 352
51. 1953 -- scarlet fever and streptococcal sore throat, esp. TX/23, MO/21, NY/20, PA/19	-- 296
52. 1954 -- scarlet fever/streptococcal sore throat, esp. TX/19, NY/18, PA/17, WI/15, IN/14	-- 263
53. 1955 -- scarlet fever/streptococcal sore throat, esp. NY/21, OH/12, MO/11, TX/11	-- 235
54. 1956 -- scarlet fever/streptococcal sore throat, esp. TX/21, NY/14, OH/14, WV/12	-- 240
55. 1957 -- scarlet fever/streptococcal sore throat, esp. TX/15, MO/14, NY/13, OH & PA/12	-- 213
56. 1958 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10)	-- 138
57. 1959 -- scarlet fever and streptococcal sore throat, especially TX (12) and KY (10)	-- 130
58. 1960 -- scarlet fever and streptococcal sore throat, especially TX (13) and KY (12)	-- 108
59. 1961 -- scarlet fever and streptococcal sore throat, especially CA, TN, TX (10 each)	-- 130
60. 1962 -- scarlet fever and streptococcal sore throat, especially TX (10)	-- 102
61. 1963 -- scarlet fever and streptococcal sore throat, esp. TX (12) and IL (7)	-- 102
62. 1964 -- scarlet fever & streptococcal sore throat, esp. MO/6 OH/6, FL/GA/KY/NY/PA/5 each	--95

³⁴¹ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

63.	1965 -- scarlet fever (5) and streptococcal sore throat/58, esp. TX/7, GA/NC/SC/ 4 each--	63
64.	1966 -- scarlet fever and streptococcal sore throat, especially TX (12), NY (10)	-- 65
65.	1967 -- scarlet fever and streptococcal sore throat	-- 47
	1968 -- scarlet fever, ICD-8 code 034.1; AL (1), AR (1), FL (1), WA (1)	-- 4
	1969 -- scarlet fever, ICD-8 code 034.1; CA (2), FL (2), MS (1), OH (1), TX (1)	-- 7

Disease – SCARLET FEVER - Chronological

	1970 -- scarlet fever, ICD-8 code 034.1; NC/1, OH/1, PA/1, TX/2	-- 5
	1971 -- scarlet fever; ICD-8 code 34.1; IN/1, IA/1, NC/1, TX/1	-- 4
	1972 -- scarlet fever, ICD-8 code 034.1; OH (2)	-- 2
	1973 -- scarlet fever, ICD-8 code 034.1; CA/1, IA/1, NV/1, TN2, TX/1	-- 6
	1974 -- scarlet fever, ICD-8 code 034.1; CA (1), NY (1), WA (1)	-- 3
	1975 -- scarlet fever, ICD-8 code 034.1; AZ (1), NY (1)	-- 2
	1976 -- scarlet fever, ICD-8 code 034.1; FL (1), NY (1)	-- 2
	1978 -- scarlet fever, ICD-8 code 034.1; CA (1), NY (1), TX (2)	-- 4

Disease -- SMALLPOX -- By Mortality

1. 1775-82 -- smallpox epidemic, North America ~84,000
2. 1837-38 -- smallpox, Upper Mid-West Native American Tribes ~20,000
3. 1835 -- Nov-Spring 1838, smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK 13,105
4. 1738-39 -- smallpox, Catawba (NC/SC) and Cherokee Natives (NC) --7,700-11,700
5. 1837 -- smallpox, California Native Americans³⁴² 2,000-10,000
6. 1872 -- smallpox, esp. Philly/2591, NYC/1666, St. Louis/1600, Baltimore/1217, Boston/1K--≥9,742
7. 1861 -- May 1-June 30, 1866, smallpox, Union soldiers and Confederate prisoners³⁴³ --9,682
8. 1853 -- smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC --7,450-9,450
9. 1801-02 -- smallpox, Natives, esp. Chinook, Omaha, Osage, esp. Central, Northwest-->9,090
10. 1900 -- smallpox, esp. MS/782, LA/708, NM/287, VA/263, AL/224, AR/195, TX/146-8,484

11. 1882 -- smallpox, esp. Chicago/1292, Cincinnati/1249, PA/1111, Baltimore/551 --≥7,056
12. 1881 -- smallpox, esp. Philly/1336, Chicago/1180, NYC/503, Pittsburgh/448, HI/282 --5,275
13. 1870 -- smallpox, nationwide --4,597
14. 1871 -- smallpox, esp. Philadelphia/1,879, Cincinnati/1,179, NYC/805, Chicago/MI/NJ --4,505
15. 1815-16, winter -- smallpox epidemic, Comanche Nation³⁴⁴ -->4,000
16. 1883 -- smallpox, esp. New Orleans/1,079 Baltimore/633 Cincinnati/189 Chattanooga/103 --3,136
17. 1875 -- smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,770
18. 1865 -- smallpox, esp. NYC/≤664, Philly/524, SC/GA/FL Sea Islands/~800³⁴⁵ --2,500-2,510
19. 1876 -- smallpox, 10 data-points, esp. Cincinnati/~930, SF CA/482, Philly/407, NYC/315 --~2,500
20. 1863 -- smallpox, esp. DC/700, Camp Chase OH, Fort Delaware DE, Baltimore/IL/PA-2.3K--2,490
21. 1850 -- smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140--2,352
22. 1873 -- smallpox, esp. Boston/668, Baltimore/631, Chicago/515, NYC/117, Charleston/106--2,201
23. 1902 -- smallpox, esp. NJ/432, NYC/310, MA/283, Cleveland/233, Philly PA/231 --2,111
24. 1634-35--smallpox epidemic, Five Nations, especially Mohawks, Upper NY³⁴⁶ ≥2,000
25. 1709-1710--smallpox epidemic, Native Americans, lower CA ≥2,000
26. 1868 -- June-Dec, smallpox, esp. San Francisco/960, Cincinnati/649, Chicago/150 --≥1,825
27. 1764-65 -- smallpox, esp. Iroquois, Shawnee, Lenape, Creek, Choctaw, Chickasaw >1,800
28. 1894 -- smallpox, esp. Chicago/1033, WI/325, esp. Milwaukee/244; NY/147, MI/53 --1,752
29. 1689-90--smallpox, New England and NY, settlers and natives -- ≥820-1,500
30. 1877 -- smallpox, 7 data pts., esp. New Orleans/1.1K; Philadelphia/155; Cincinnati/56 --1,496
31. 1903 -- smallpox, especially PA/747, IN/195, IL/135, OH/134, Rochester NY/24 --1,457
32. 1880 -- smallpox, esp. TX/517, Philadelphia/429, Camden NJ/47 Chicago/43, NY --1,281
33. 1860 -- smallpox, esp. MA/473, NY/ 303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271
34. 1852 -- smallpox, Nevada City, CA natives, NYC (407-516), Philadelphia (427) --943-1,052
35. 1901 -- smallpox, esp. NY/436 (Bronx/312), PA/202 (Philly/178), NJ/139 (Newark/71) --1,085

³⁴² As noted in the narrative description section, Shelburne Friend Cook in his *The Conflict Between the California Indian and White Civilization*, Part 4, 1976, p. 213, writes that the accounts he has before him giving estimates of 100,000, and 200,000 to 300,000, are “obviously wild guesses.” His own guesstimate (p. 214) is 2,000. We simply recognize the range. In another book in 1978 he writes that “the mortality may have reached 10,000.”

³⁴³ There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.

³⁴⁴ We note “greater than” 4,000 in that 4,000 is the estimated Comanche loss, whereas it has been written that the Kiowa, for example, lost to smallpox numbers in a ratio comparable to the Comanche.

³⁴⁵ This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.

³⁴⁶ We assume that if, as reported, thousands died, then at least 2,000 must have died.

36. 1721 -- May-Apr 1722, smallpox, Mass. Bay Colony, esp. Boston & Charlestown--957-1004
37. 1633-34--smallpox epidemic, New England Natives, Plymouth Colonists, MA >1,000
38. 1662-63 -- smallpox, NY Iroquois Confederacy, Fort Orange, NY, Dutch settlers -->1,000
39. 1677-78 -- smallpox epidemic, Massachusetts Bay Colony, esp. Boston & vic. --750-1,000
40. 1731 -- smallpox epidemics, New York City (548-700) and Philadelphia (288) --836-988
41. 1760 -- smallpox epidemic, Charleston SC (as well as undocumented Native deaths)--730-940
42. 1851 -- smallpox, esp., NYC/562-586, Philly/316; Augusta GA/7, Chicago/5 --895-909
43. 1756 -- smallpox epidemic, Philadelphia -- 900

Disease -- SMALLPOX -- By Mortality (continued):

44. 1869 -- smallpox epidemic, Gros Ventre Natives, Montana Territory --700~800
45. 1861 -- smallpox outbreak, Philadelphia, PA -- 758
46. 1854 -- smallpox, esp. Charleston SC/59, Chicago/12, Jacksonville FL/~15, NYC/624, Philly/40-- 750
47. 1824 -- smallpox, NYC, NY, Philadelphia, PA, Sandusky, OH --740-745
48. 1864 -- smallpox, Fort Alton IL, Chicago/283, Philly/260, Northern VA/112, SC, DC -- 712
49. 1925 -- smallpox, esp. MN/196, WI/134, CA/59, NJ/48, OH/47, IA/42, PA/29, IL/23 -- 709
50. 1848 -- smallpox, esp. New York City, NY/585 and Philadelphia, PA/100 -- 691
51. 1759 -- smallpox epidemic, Philadelphia, PA -- 600
52. 1752 -- Early in year through at least summer, Small-Pox epidemic, Boston, MA --535-569
53. 1920 -- smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28 ³⁴⁷ -- 508
54. 1730 -- smallpox epidemic, Massachusetts Bay Colony, especially Boston -->502
55. 1690 -- Spring-fall, smallpox, Iroquois Native Americans, esp. upper New York ---300-500
56. 1835 -- smallpox, especially New York City (351), Philadelphia (101) -- 452
57. 1834 -- smallpox, New York City, NY (233) and Philadelphia, PA (195) -- 428
58. 1910 -- smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67) --403-427
59. 1889-90, June-May, smallpox, especially NM/231, TX/88, NY/13, and CT/12 -- 398
60. 1773 -- smallpox epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA --~321
61. 1702 -- summer (late) to early Spring 1703, smallpox epidemic, Boston, MA --302-313
62. 1738 -- smallpox epidemic, Charleston, SC -- 311
63. 1912 -- smallpox, 35 States and DC, especially TX (128); Pittsburgh (33) --301-307
64. 1667 -- smallpox epidemic, Native Americans, VA, especially eastern shore VA -- ≥300
65. 1697-98--smallpox, Charleston, SC (pop. ≥5,000); (plus hundreds Native Americans)³⁴⁸--200-300
66. 1759-60--smallpox epidemic, Catawba Nation, SC -- ~300
67. 1896 -- smallpox, esp. New Orleans (238), Shreveport LA/11, Detroit/11, Dayton (8) -- 279
68. 1869 -- smallpox, Cincinnati, OH (231), Michigan (42) -- 273
69. 1811 -- Oct-Apr 1812, smallpox, New York City (117); Baltimore, MD (135) -- 252
70. 1742 -- smallpox outbreak in New York, NY -- 250
71. 1898 -- smallpox epidemic, Moqui Indians, AZ -- 220
72. 1808 -- Year, smallpox, Philadelphia, PA, New York City, NY -- 207
73. 1804 -- smallpox outbreak, New York City, NY --164-199

³⁴⁷ Based on death certificate data from 34 “registration states” as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

³⁴⁸ We derive “hundreds” from accounts which note high mortality in Native populations in SC and NC, but do not note an estimated mortality range. Whatever the number, it would be in addition to the 200-300 for Charleston.

74. 1816 -- smallpox, New York City, NY	-- 179
75. 1763, Dec-July 1764 -- smallpox epidemic, Boston (170) & Cambridge (6), MA col.	-- 176
76. 1898 -- Aug 23-Nov 18, yellow fever, LA, especially New Orleans (57); MS (80)	--175
77. 1823 -- smallpox, epidemic, Philadelphia, PA	-- 160
78. 1895 -- smallpox outbreak, Feb 1-Jun 21 esp. Hot Springs AR, Chicago, Cincinnati	-- 160
79. 1736 -- smallpox epidemic, Philadelphia, PA	-- 158
80. 1847 -- smallpox, Modoc Native Americans, Southwestern Oregon	-- >150
81. 1879 -- smallpox, San Antonio, TX; also to lesser extent NYC, NY	-- 141

Disease -- SMALLPOX -- By Mortality (continued):

82. 1911 -- smallpox, 29 reporting States and DC, esp. TX/51, KS/26, and CA/10	-- 134
83. 1909 -- smallpox, 29 reporting States and the District of Columbia	-- 132
84. 1867 -- smallpox, Jan-Dec., Chicago, IL	-- 123
85. 1732 -- smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY	--104-118
86. 1763 -- smallpox epidemic, Native Americans, CA	-- >100
87. 1815 -- smallpox, New York City, NY	-- 94
88. 1800 -- July-Oct smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA ³⁴⁹	-- 68
89. 1805 -- smallpox, New York City, NY	-- 62
90. 1807 -- smallpox, New York City, NY (29 out of 2,312 deaths), Philadelphia (32)	-- 61
91. 1768 -- fall-winter (two months), smallpox, especially children, Reading, PA	-- >60
92. 1666 -- smallpox, (population of colony about 4,000), Boston, MA	--40-50
93. 1806 -- smallpox, New York City, NY (out of 2,225 deaths from all causes in NYC)	-- 48
94. 1821 -- Aug, smallpox, Baltimore, MD	-- 47
95. 1917 -- Oct 10-March 8, 1918, smallpox epidemic, Eagle Pass, Maverick Co., TX	-- 33
96. 1739 -- June-July 19, smallpox, Newport and nearby vicinity, RI	--23-27
97. 1946 -- smallpox, infectious and parasitic diseases International List No. 34	-- 25
98. 1732 -- spring, smallpox epidemic, Wallingford/New Cheshire, New Haven Co., CT	--14-18
99. 1893 -- smallpox outbreak, Feb-Dec, Reading, Berks County, PA	-- 18
100. 1854 -- late March through early April (esp.) smallpox epidemic, Jacksonville, FL	-- ≥15
101. 1737, Dec-Jan 1738 -- smallpox, esp. Chilmark & Edgartown, Martha's Vineyard, MA	--12
102. 1711-12 -- winter, disease (smallpox/pestilential fever/pleurisies/flux), Charleston SC	-- >10
103. 1715 -- smallpox, NY and NJ colonies, esp. Burlington and Perth Amboy, NJ	-- ≥10
1947 -- smallpox, Int. List infectious disease code 34	-- 5
1948 -- smallpox, 1948 ICD code 34	-- 5
1949 -- Mar 12, smallpox, Elsa, TX (1)	-- 2
1950 -- smallpox	-- 1
1951 -- smallpox	-- 1
1953 -- smallpox, Texas	-- 1

³⁴⁹ Cross-listed in Tainted Food, Drugs and Medications.

Disease -- SMALLPOX – Chronological

1. 1633-34 -- smallpox epidemic, New England Natives, Plymouth Colonists, MA -->1,000
2. 1634-35 -- smallpox epidemic, Five Nations, especially Mohawks, Upper NY³⁵⁰ ≥2,000
3. 1662-63 -- smallpox, NY Iroquois Confederacy, Fort Orange, NY, Dutch settlers -->1,000
4. 1666 -- smallpox, (population of colony about 4,000), Boston, MA --40-50
5. 1667 -- smallpox epidemic, Native Americans, VA, especially eastern shore VA --≥300
6. 1677-78 -- smallpox epidemic, Massachusetts Bay Colony, esp. Boston & vic. --750-1,000
7. 1689-90 -- smallpox, New England and NY, settlers and natives -- ≥820-1,500
8. 1690 -- Spring-fall, smallpox, Iroquois Native Americans, esp. upper New York --~300-500
9. 1697-98--smallpox, Charleston, SC (pop. ≥5,000); (plus hundreds Native Americans)³⁵¹-200-300
10. 1702 -- summer (late) to early Spring 1703, smallpox epidemic, Boston, MA --302-313
11. 1709-10 -- smallpox epidemic, Native Americans, lower CA ≥2,000
12. 1711-12 -- winter, Disease (smallpox/pestilential fever/pleurisies/flux), Charleston SC-- > 10
13. 1715 -- smallpox, NY and NJ colonies, esp. Burlington and Perth Amboy, NJ -- ≥10
14. 1721-22 -- May-Apr, smallpox, Mass. Bay Colony, esp. Boston & Charlestown --957-1,004
15. 1730 -- smallpox epidemic, Massachusetts Bay Colony, especially Boston --≥502
16. 1731 -- smallpox epidemics, New York City (548-700) and Philadelphia (288) --836-988
17. 1732 -- smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY --104-118
18. 1736 -- smallpox epidemic, Philadelphia, PA -- 158
19. 1737-38 -- Dec-Jan, smallpox, esp. Chilmark & Edgartown, Martha's Vineyard, MA -- 12
20. 1738 -- smallpox epidemic, Charleston, SC -- 311
21. 1738-39 -- smallpox, Catawba (NC/SC) and Cherokee Natives (NC) --7,700-11,700
22. 1739 -- June-July 19, smallpox, Newport and nearby vicinity, RI --23-27
23. 1742 -- smallpox outbreak, New York, NY -- 250
24. 1752 -- Early in year through at least summer, Small-Pox epidemic, Boston, MA --535-569
25. 1756 -- smallpox epidemic, Philadelphia -- 900
26. 1759 -- smallpox epidemic, Philadelphia, PA -- 600
27. 1759-60--smallpox epidemic, Catawba Nation, SC -- ~300
28. 1760 -- smallpox epidemic, Charleston SC (as well as undocumented Native deaths)-730-940
29. 1763 -- smallpox epidemic, Native Americans, CA -- >100
30. 1763-64 -- Dec-July, smallpox epidemic, Boston (170) & Cambridge (6), MA colony -- 176

³⁵⁰ We assume that if, as reported, thousands died, then at least 2,000 must have died.

³⁵¹ We derive "hundreds" from accounts which note high mortality in Native populations in SC and NC, but do not note an estimated mortality range. Whatever the number, it would be in addition to the 200-300 for Charleston.

31. 1764-65 -- smallpox, esp. Iroquois, Shawnee, Lenape, Creek, Choctaw, Chickasaw >1,800
 32. 1768 -- fall-winter (two months), smallpox, especially children, Reading, PA -- >60

Disease -- SMALLPOX -- Chronological – Cont.

33. 1773 -- smallpox epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA -- ~321
 34. 1775-82 smallpox epidemic North America ~84,000
35. 1800 -- July-Oct smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA³⁵²-- 68
 36. 1801-02 -- smallpox, Natives, esp. Chinook, Omaha, Osage, esp. Central, Northwest-->9,090
 37. 1804 -- smallpox, New York City, NY --164-199
 38. 1805 -- smallpox, New York City, NY -- 62
 39. 1806 -- smallpox, New York City, NY (out of 2,225 deaths from all causes in NYC) -- 48
 40. 1807 -- smallpox, New York City, NY (29 out of 2,312 deaths), Philadelphia (32) -- 61
 41. 1808 -- smallpox, Philadelphia, PA, New York City, NY -- 207
42. 1811-12 -- Oct-Apr 1812, smallpox, New York City (117); Baltimore, MD (135) -- 252
 43. 1815 -- smallpox, New York City, NY -- 94
 44. 1815-16 -- winter, smallpox epidemic, Comanche Nation³⁵³ -->4,000
 45. 1816 -- smallpox, New York City, NY -- 179
46. 1821 -- Aug, smallpox, Baltimore, MD -- 47
 47. 1823 -- smallpox, epidemic, Philadelphia, PA -- 160
 48. 1824 -- smallpox, NYC, NY, Philadelphia, PA, Sandusky, OH --740-745
49. 1834 -- smallpox, New York City, NY (233) and Philadelphia, PA (195) -- 428
 50. 1835 -- smallpox, especially New York City (351), Philadelphia (101) -- 452
 51. 1835 -- Nov-Spring 1838, smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK 13,105
 52. 1837 -- smallpox, California Native Americans³⁵⁴ 2,000-10,000
 53. 1837-38--smallpox, Upper Mid-West Native tribes, especially Dakotas/MT --10K--~17,000
54. 1847 -- smallpox, Modoc Native Americans, Southwestern Oregon -- >150
 55. 1848 -- smallpox, esp. New York City, NY/585 and Philadelphia, PA/100 -- 691
56. 1850 -- smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140 --2,352
 57. 1851 -- smallpox, esp., NYC/562-586, Philly/316; Augusta GA/7, Chicago/5 --895-909
 58. 1852 -- smallpox, Nevada City, CA natives, NYC (407-516), Philadelphia (427) --943-1,052
 59. 1853 -- smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC --7,450-9,450
 60. 1854 -- smallpox, esp. Charleston SC/59, Chicago/12, Jacksonville FL/~15, NYC/624, Philly/40-- 750

³⁵² Cross-listed in Tainted Food, Drugs and Medications.

³⁵³ We note “greater than” 4,000 in that 4,000 is the estimated Comanche loss, whereas it has been written that the Kiowa, for example, lost to smallpox numbers in a ratio comparable to the Comanche.

³⁵⁴ As noted in the narrative description section, Shelburne Friend Cook in his *The Conflict Between the California Indian and White Civilization*, Part 4, 1976, p. 213, writes that the accounts he has before him giving estimates of 100,000, and 200,000 to 300,000, are “obviously wild guesses.” His own guesstimate (p. 214) is 2,000. We simply recognize the range. In another book in 1978 he writes that “the mortality may have reached 10,000.”

61. 1860 -- smallpox, esp. MA/473, NY/ 303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271
 62. 1861 -- smallpox outbreak, Philadelphia, PA -- 758
 63. 1861-66, May 1-June 30 -- smallpox, Union soldiers and Confederate prisoners³⁵⁵ --9,682
 64. 1863 -- smallpox, esp. DC/700, Camp Chase OH, Fort Delaware DE, Baltimore/IL/PA --2.3K-2,490
 65. 1864 -- smallpox, Fort Alton IL, Chicago/283, Philly/260, Northern VA/112, SC, DC-- 712
 66. 1865 -- smallpox, esp. NYC/≤664, Philly/524, SC/GA/FL Sea Islands/~800³⁵⁶ --2,500-2,510
 67. 1867 -- smallpox, Jan-Dec, Chicago, IL -- 123
 68. 1868 -- June-Dec, smallpox, esp. San Francisco/960, Cincinnati/649, Chicago/150 --≥1,825
 69. 1869 -- smallpox, Cincinnati, OH (231), Michigan (42) -- 273
 70. 1869 -- smallpox epidemic, Gros Ventre Natives, Montana Territory --700--800

Disease -- SMALLPOX -- Chronological – continued:

71. 1870 -- smallpox, nationwide --4,597
 72. 1871 -- smallpox, esp. Philadelphia/1,879, Cincinnati/1,179, NYC/805, Chicago/MI/NJ --4,505
 73. 1872 -- smallpox, esp. Philly/2591, NYC/1666, St. Louis/1600, Baltimore/1217, Boston/1K--≥9,742
 74. 1873 -- smallpox, esp. Boston/668, Baltimore/631, Chicago/515, NYC/117, Charleston/106--2,201
 75. 1875 -- smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,770
 76. 1876 -- smallpox, 10 data-points, esp. Cincinnati/~930, SF CA/482, Philly/407, NYC/315 ---~2,500
 77. 1877 -- smallpox, 7 data pts., esp. New Orleans/1.1K; Philadelphia/155; Cincinnati/56 --1,496
 78. 1879 -- smallpox, San Antonio, TX; also to lesser extent NYC, NY -- 141
 79. 1880 -- smallpox, esp. TX/517, Philadelphia/429, Camden NJ/47 Chicago/43, NY --1,281
 80. 1881 -- smallpox, esp. Philly/1336, Chicago/1180, NYC/503, Pittsburgh/448, HI/282 --5,275
 81. 1882 -- smallpox, esp. Chicago/1292, Cincinnati/1249, PA/1111, Baltimore/551 --≥7,056
 82. 1883 -- smallpox, esp. New Orleans/1,079 Baltimore/633 Cincinnati/189 Chattanooga/103 --3,136
 83. 1889-90, June-May census, smallpox, especially NM/231, TX/88, NY/13, and CT/12 -- 398
 84. 1893 -- smallpox outbreak, Feb-Dec, Reading, Berks County, PA -- 18
 85. 1894 -- smallpox, esp. Chicago/1033, WI/325, esp. Milwaukee/244; NY/147 --1,752
 86. 1895 -- smallpox outbreak, Feb 1-Jun 21 esp. Hot Springs AR, Chicago, Cincinnati -- 160
 87. 1896 -- smallpox, esp. New Orleans (238), Shreveport LA/11, Detroit/11, Dayton (8) -- 279
 88. 1898 -- smallpox epidemic, Moqui Indians, AZ -- 220
 89. 1898 -- Aug 23-Nov 18, yellow fever, LA, especially New Orleans (57); MS (80) --175
 90. 1900 -- smallpox, esp. MS/782, LA/708, NM/287, VA/263, AL/224, AR/195, TX/146-8,484
 91. 1901 -- smallpox, esp. NY/436 (Bronx/312), PA/202 (Philly/178), NJ/139 (Newark/71) --1,085
 92. 1902 -- smallpox, esp. NJ/432, NYC/310, MA/283, Cleveland/233, Philly PA/231 --2,111
 93. 1903 -- smallpox, especially PA/747, IN/195, IL/135, OH/134, Rochester NY/24 --1,457
 94. 1909 -- smallpox, 29 reporting States and the District of Columbia -- 132
 95. 1910 -- smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67) --403-427
 96. 1911 -- smallpox, 29 reporting States and DC, esp. TX/51, KS/26, and CA/10 -- 134

³⁵⁵ There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.

³⁵⁶ This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.

97. 1912 -- smallpox, 35 States and DC, especially TX (128); Pittsburgh (33) --301-307
 98. 1917 -- Oct 10-March 8, 1918, smallpox epidemic, Eagle Pass, Maverick Co., TX -- 33

Disease – SMALLPOX – Chronological (continued):

99. 1920 -- smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28³⁵⁷ -- 508
 100. 1925 -- smallpox, esp. MN/196, WI/134, CA/59, NJ/48, OH/47, IA/42, PA/29, IL/23-- 709
 101. 1946 -- smallpox, infectious and parasitic diseases International List No. 34 -- 25
 1947 -- smallpox, Int. List infectious disease code 34 -- 5
 1948 -- smallpox, 1948 ICD code 34 -- 5
 1949 -- Mar 12, smallpox, Elsa, TX (1); one elsewhere -- 2
 1950 -- smallpox -- 1
 1951 -- smallpox -- 1
 1953 -- smallpox, Texas -- 1

³⁵⁷ Based on death certificate data from 34 “registration states” as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

Disease -- streptococcal Toxic Shock Syndrome -- By Mortality

1. 2002 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	78
2. 2001 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	75
3. 2000 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11)	--	74
4. 2003 -- streptococcal toxic shock syndrome, ICD-10 code A48.3	--	71
5. 2004 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	71
6. 2006 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	57
7. 1999 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, no state ≥ 10 deaths	--	55
8. 2005 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	55
9. 2016 -- streptococcal toxic shock syndrome, ICD-10 code A48,3 (emerging disease)	--	26
10. 2010 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	24
11. 2011 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	23
12. 2009 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	21
13. 2015 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	21
14. 2008 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	20
15. 2007 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	18
16. 2013 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	16
17. 2012 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	13
18. 2014 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	12

Disease -- streptococcal Toxic Shock Syndrome -- Chronological

1. 1999 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, no state ≥ 10 deaths	--	55
2. 2000 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11)	--	74
3. 2001 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	75
4. 2002 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	78
5. 2003 -- streptococcal toxic shock syndrome, ICD-10 code A48.3	--	71
6. 2004 -- streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10)	--	71
7. 2005 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	55
8. 2006 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	57
9. 2007 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	18
10. 2008 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	20
11. 2009 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	21
12. 2010 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	24
13. 2011 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	23
14. 2012 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	13
15. 2013 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	16
16. 2014 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	12
17. 2015 -- streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease)	--	21
18. 2016 -- streptococcal toxic shock syndrome, ICD-10 code A48,3 (emerging disease)	--	26

Disease -- TUBERCULOSIS -- By Mortality

1.	1900 -- tuberculosis, esp. CA, IL, IN, KY, MA, MO, NJ, NY, OH, PA, TN	--109,750
2.	1920 -- tuberculosis, esp. Denver, San Antonio, Nashville, New Orleans	99,916
3.	1879 -- June-May 1880, tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA	91,270
4.	1925 -- tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819	89,268
5.	1931 -- tuberculosis, esp. PA/10,857; NY/8,618; CA/5,308; IL/4,830; OH/4,253, TN	81,395
6.	1907 -- tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly)	76,650
7.	1870 -- tuberculosis (consumption), nationwide	69,896
8.	1939 -- tuberculosis, nationwide, esp. CA, IL, NY, OH, PA, TN, TX	61,609
9.	1905 -- tuberculosis (10 registration states, DC, 134 non-registration cities), esp. NY	56,770
10.	1940 -- tuberculosis, nationwide, especially CA, IL, NY, OH, PA and TX	55,576
11.	1944 -- tuberculosis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX	54,731
12.	1860 -- tuberculosis (consumption), nationwide	49,082
13.	1946 -- tuberculosis, respiratory, code 13 (all forms including respiratory, 50,911)	--46,939
14.	1947 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 48,064)	44,462
15.	1948 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 43,833)	40,420
16.	1949 -- tuberculosis, respiratory (all forms including respiratory were 39,100)	--35,988
17.	1850 -- tuberculosis (consumption), esp. NY/6,691, PA/3,520, MA/3,426, OH/2,558	33,516
18.	1951 -- tuberculosis (respiratory), esp. NY/3.5K, PA/2.5K, CA/2.2K, TX/2K, IL/1.8K	--31,163
19.	1950 -- tuberculosis, pulmonary. Code 002, Sixth Rev. of International Lists, 1948	--29,228
20.	1952 -- tuberculosis (respiratory), esp. NY/2462, CA/1678, PA/1662, IL/1385, TX/12K--	22,700
21.	1953 -- tuberculosis/respiratory, esp. NY/1983, PA/1428, CA/1383, IL/1235, TX/948--	17,954
22.	1912 -- Jan 1-Jun 8, tuberculosis, CA, IL, IN, MA, MO, NJ, NYC, PA, TX, WI	17,463
23.	1954 -- tuberculosis (respiratory), esp. NY/1667, CA/1108, PA/1100, IL/939, TX/843	--15,146
24.	1861-65--Apr-June, tuberculosis, Civil War, Union/6,946 deaths, Confederate/?	~14,000
25.	1955 -- tuberculosis (respiratory), esp. NY/1642, PA/1239, CA/1076, IL/797, TX/736--	13,676
26.	1956 -- tuberculosis (respiratory), esp. NY/1,577, PA/1,029, CA/938, IL/763, TX	--12,978
27.	1957 -- tuberculosis (respiratory), esp. NY/1493, PA/959, CA/833, TX/733, IL/673	--12,384
28.	1958 -- tuberculosis, esp. NY/1,380, PA/1013, CA/872, IL/725, TX/721, OH/550	12,361
29.	1959 -- tuberculosis, esp. NY/1,316, PA/981, CA/815, IL/643, TX,633, OH/527	--11,456
30.	1911 -- Aug-Dec, tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX	10,926
31.	1960 -- tuberculosis, death rate 6.1 per 100K; esp. AZ/12.1, DC/11.8, KY/10.7	10,866
32.	1961 -- tuberculosis, US death rate 5.4 per 100K; esp. DC/13. KY/10, AR/10.6, AZ/9.4	--9,938
33.	1962 -- tuberculosis, death rate 5.1 per 100K; esp. DC/11.9, KY/9.8, AZ&AR/9.7	--9,508
34.	1963 -- tuberculosis, US death rate 4.9; esp. DC/12.3, AZ/9.7, WV/8.6, KY/8.7 WV/8.6	--9,311
35.	1875 -- tuberculosis/consumption; data on Chicago/880, MI/1419, NYC/4172, Philly/2359	--8,830
36.	1964 -- tuberculosis, US death rate 4.3; esp. DC/12, AZ/9, AL/7.4, WV/7.2, TN/7.0	--8,303

Disease -- **TUBERCULOSIS** -- By **Mortality** (continued):

37. 1965 -- tuberculosis, US death rate 4.1 per 100K; DC/12.7, AL/7.5, AZ/7.5, NM/6.6	--7,934
38. 1966 -- tuberculosis, esp. NY/844, PA/589, CA/537, IL/410, TX/404, OH/340	--7,625
39. 1967 -- tuberculosis	--6,901
40. 1968 -- tuberculosis, US death rate 3.2 per 100K, esp. DC/10.9, AZ/6.2, AL/6., WV/6.	--6,292
41. 1969 -- tuberculosis, US death rate 2.76 per 100K, esp. DC/9.6, AZ/6.0, AL/5.9, WV	--5,567
42. 1970 -- tuberculosis, US death rate 2.56 per 100K, esp. DC/6.8 AL/5.0 WV/4.5 KY/4.3	--5,217
43. 1971 -- tuberculosis, US death rate 2.18 per 100K, esp. DC/5.8 AL/4.1 TN/3.5 AZ/3	--4,501
44. 1972 -- tuberculosis, US death rate 2.09 per 100K, esp. DC/4.8, DE/4.2, AL/3.9 NM/3.9	--4,376
45. 1973 -- tuberculosis, US death rate 1.84 per 100K, esp. DC/5.0 TN/2.9 AL/2.8 WV/2.8	--3,875
46. 1906 -- tuberculosis, Philadelphia, PA	--3,742
47. 1974 -- tuberculosis, US death rate 1.65 per 100K, esp. DC/5.1, KY/2.8, TN/2.6	--3,513
48. 1909 -- tuberculosis, Philadelphia, PA	--3,496
49. 1908 -- tuberculosis, Philadelphia, PA	--3,490
50. 1975 -- tuberculosis, US death rate 1.55 per 100K, esp. DC/3.8, KY/2.74, TN/2.72	--3,333
51. 1910 -- tuberculosis, Philadelphia, PA	--3,190
52. 1976 -- tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6	--3,130
53. 1977 -- tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2	--2,968
54. 1978 -- tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165	--2,914
55. 1979 -- tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6	--2,007
56. 1980 -- tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74	--1,978
57. 1989 -- tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34	--1,970
58. 1981 -- tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43	--1,937
59. 1988 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48	--1,921
60. 1990 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48	--1,810
61. 1982 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4	--1,807
62. 1986 -- tuberculosis, US death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34	--1,782
63. 1983 -- tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2	--1,779
64. 1987 -- tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5	--1,755
65. 1985 -- tuberculosis, US death rate 0.74 per 100K, esp. DC/3.46, GA/1.34, AL/1.23	--1,752
66. 1984 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21	--1,729
67. 1991 -- tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32. NY/1.62; AR/1.17	--1,713
68. 1992 -- tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33	--1,705
69. 1993 -- tuberculosis (US death rate 0.63 per 100K), esp. DC/2.51 and NY/1.16	--1,631
70. 1994 -- tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86	--1,478
71. 1995 -- tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89	--1,336
72. 1996 -- tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92	--1,202
73. 1997 -- tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99	--1,166

74. 1998 -- tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 --1,112
75. 1999 -- tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608 -- 930
76. 2002 -- tuberculosis, ICD-10 code A16-19, death rate 0.273 per 100K, esp. AR, 0.443 -- 784
77. 2000 -- tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559 -- 776
78. 2001 -- tuberculosis, ICD-10 code A16-19, death rate 0.268 per 100K, esp. DC, 1.741 -- 764
79. 2003 -- tuberculosis, ICD-10 code A16-19, death rate 0.25 per 100K, esp. LA, 0.49 -- 711
80. 2004 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36 -- 657
81. 2006 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33 -- 652
82. 2005 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. LA, 0.39 -- 648
83. 2021 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/106, TX/58, FL/36, NY/36, VA/22--602
84. 2020 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/119, TX/66, NY/36, FL/30 -- 600
85. 2008 -- tuberculosis, ICD-10 code A16-19, death rate 0.19; esp. MS (above avg. rate) -- 585
86. 2010 -- tuberculosis, ICD-10 Code A16-19, esp. AL, CA, KY, TX (above avg. death rate) -- 569
87. 2013 -- tuberculosis, ICD-10 Code A16-A19, especially CA (133) and TX (61) -- 555
88. 2007 -- tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate -- 554
89. 2018 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/100, TX/50, NY/39, FL/38 -- 542
90. 2011 -- tuberculosis, ICD-10 Code A16-A19, esp. CA (108), NY, SC (above avg. DR) -- 539
91. 2009 -- tuberculosis, ICD-10 code A16-19, esp. CA, LA, OK, TX (above avg. death rate) -- 529
92. 2016 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/111, TX/55, FL/36, OK/14 -- 528
93. 2019 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/112, TX/54, NY/37, FL/35 -- 526
94. 2017 -- tuberculosis, IDC-10 code A16-19, esp. CA/108 TX/49 NY/31 PA/22 NJ/21 -- 515
95. 2012 -- tuberculosis, ICD-10 Code A16-A19, especially CA (101) and TX (63) -- 510
96. 1804 -- tuberculosis, "Phthisis Pulmonalis," New York City (2,125 deaths all causes) -- 499
97. 2014 -- tuberculosis, ICD-10 Code A16-A19, especially CA (101) -- 493
98. 2015 -- tuberculosis, ICD-10 Codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22 -- 470
99. 1805 -- tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes) -- 462
100. 1806 -- tuberculosis (Phthisis Pulmonalis), New York City (2,225 deaths all causes) -- 354

Disease -- TUBERCULOSIS -- Chronological

1.	1804 -- tuberculosis, "Phthisis Pulmonalis," New York City (2,125 deaths all causes) --	499
2.	1805 -- tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes) --	462
3.	1806 -- tuberculosis (Phthisis Pulmonalis), New York City (2,225 deaths all causes) --	354
4.	1850 -- tuberculosis (consumption), esp. NY/6,691, PA/3,520, MA/3,426, OH/2,558	33,516
5.	1860 -- tuberculosis (consumption), nationwide	49,082
6.	1861-65--Apr-June, tuberculosis, Civil War, Union/6,946 deaths, Confederate/?	~14,000
7.	1870 -- tuberculosis (consumption), nationwide	69,896
8.	1875 -- tuberculosis/consumption; data on Chicago/880, MI/1419, NYC/4172, Philly/2359	--8,830
9.	1879 -- June-May 1880, tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA	91,270
10.	1900 -- tuberculosis, esp. CA, IL, IN, KY, MA, MO, NJ, NY, OH, PA, TN	109,750
11.	1905 -- tuberculosis (10 registration states, DC, 134 non-registration cities), esp. NY	56,770
12.	1906 -- tuberculosis, Philadelphia, PA	3,742
13.	1907 -- tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly)	76,650
14.	1908 -- tuberculosis, Philadelphia, PA	3,490
15.	1909 -- tuberculosis, Philadelphia, PA	3,496
16.	1910 -- tuberculosis, Philadelphia, PA	3,190
17.	1911 -- Aug-Dec, tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX	10,926
18.	1912 -- Jan 1-Jun 8, tuberculosis, CA, IL, IN, MA, MO, NJ, NYC, PA, TX, WI	17,463
19.	1920 -- tuberculosis, esp. Denver, San Antonio, Nashville, New Orleans	99,916
20.	1925 -- tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819	89,268
21.	1931 -- tuberculosis, esp. PA/10,857; NY/8,618; CA/5,308; IL/4,830; OH/4,253, TN	81,395
22.	1939 -- tuberculosis, nationwide, especially CA, IL, NY, OH, PA, TN, TX	61,609
23.	1940 -- tuberculosis, nationwide, especially CA, IL, NY, OH, PA and TX	55,576
24.	1944 -- tuberculosis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX	54,731
25.	1946 -- tuberculosis, respiratory, code 13 (all forms including respiratory, 50,911)	46,939
26.	1947 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 48,064)	44,462
27.	1948 -- tuberculosis, respiratory, code 13 (all forms including respiratory were 43,833)	40,420
28.	1949 -- tuberculosis, respiratory (all forms including respiratory were 39,100)	35,988
29.	1950 -- tuberculosis, pulmonary. Code 002, Sixth Rev. of International Lists, 1948	29,228
30.	1951 -- tuberculosis (respiratory), esp. NY/3.5K, PA/2.5K, CA/2.2K, TX/2K, IL/1.8K	31,163
31.	1952 -- tuberculosis (respiratory), esp. NY/2462, CA/1678, PA/1662, IL/1385, TX/12K	22,700
32.	1953 -- tuberculosis/respiratory, esp. NY/1983, PA/1428, CA/1383, IL/1235, TX/948--	17,954
33.	1954 -- tuberculosis (respiratory), esp. NY/1667, CA/1108, PA/1100, IL/939, TX/843	--15,146
34.	1955 -- tuberculosis (respiratory), esp. NY/1642, PA/1239, CA/1076, IL/797, TX/736--	13,676
35.	1956 -- tuberculosis (respiratory), esp. NY/1,577, PA/1,029, CA/938, IL/763, TX	--12,978

36. 1957 -- tuberculosis (respiratory), esp. NY/1,493, PA/959, CA/833, TX/733, IL/673 --12,384
 37. 1958 -- tuberculosis, esp. NY/1,380, PA/1013, CA/872, IL/725, TX/721, OH/550 --12,361
 38. 1959 -- tuberculosis, esp. NY/1,316, PA/981, CA/815, IL/643, TX,633, OH/527 --11,456

Disease -- TUBERCULOSIS -- Chronological (continued):

39. 1960 -- tuberculosis, death rate 6.1 per 100K; esp. AZ/12.1, DC/11.8, KY/10.7 --10,866
 40. 1961 -- tuberculosis, US death rate 5.4 per 100K; esp. DC/13. KY/10, AR/10.6, AZ/9.4 --9,938
 41. 1962 -- tuberculosis, US death rate 5.1 per 100K; esp. DC/11.9, KY/9.8, AZ&AR/9.7 --9,508
 42. 1963 -- tuberculosis, US death rate 4.9; esp. DC/12.3, AZ/9.7, WV/8.6, KY/8.7 WV/8.6 --9,311
 43. 1964 -- tuberculosis, US death rate 4.3; esp. DC/12, AZ/9, AL/7.4, WV/7.2, TN/7.0 --8,303
 44. 1965 -- tuberculosis, US death rate 4.1 per 100K; DC/12.7, AL/7.5, AZ/7.5, NM/6.6 --7,934
 45. 1966 -- tuberculosis, esp. NY/844, PA/589, CA/537, IL/410, TX/404, OH/340 --7,625
 46. 1967 -- tuberculosis --6,901
 47. 1968 -- tuberculosis, US death rate 3.2 per 100K, esp. DC/10.9, AZ/6.2, AL/6., WV/6. --6,292
 48. 1969 -- tuberculosis, US death rate 2.76 per 100K, esp. DC/9.6, AZ/6.0, AL/5.9, WV --5,567
49. 1970 -- tuberculosis, US death rate 2.56 per 100K, esp. DC/6.8 AL/5.0 WV/4.5 KY/4.3 --5,217
 50. 1971 -- tuberculosis, US death rate 2.18 per 100K, esp. DC/5.8 AL/4.1 TN/3.5 AZ/3 --4,501
 51. 1972 -- tuberculosis, US death rate 2.09 per 100K, esp. DC/4.8, DE/4.2, AL/3.9 NM/3.9 --4,376
 52. 1973 -- tuberculosis, US death rate 1.84 per 100K, esp. DC/5.0 TN/2.9 AL/2.8 WV/2.8 --3,875
 53. 1974 -- tuberculosis, US death rate 1.65 per 100K, esp. DC/5.1, KY/2.8, TN/2.6 --3,513
 54. 1975 -- tuberculosis, US death rate 1.55 per 100K, esp. DC/3.8, KY/2.74, TN/2.72 --3,333
 55. 1976 -- tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6 --3,130
 56. 1977 -- tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2 --2,968
 57. 1978 -- tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914
 58. 1979 -- tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
59. 1980 -- tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74 --1,978
 60. 1981 -- tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43 --1,937
 61. 1982 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4 --1,807
 62. 1983 -- tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2 --1,779
 63. 1984 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729
 64. 1985 -- tuberculosis, US death rate 0.74 per 100K, esp. DC/3.46, GA/1.34, AL/1.23 --1,752
 65. 1986 -- tuberculosis, US death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34 --1,782
 66. 1987 -- tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755
 67. 1988 -- tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48 --1,921
 68. 1989 -- tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34 --1,970
69. 1990 -- tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48 --1,810
 70. 1991 -- tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32. NY/1.62; AR/1.17 --1,713
 71. 1992 -- tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33 --1,705
 72. 1993 -- tuberculosis, US death rate 0.63 per 100K, esp. DC/2.51 and NY/1.16 --1,631
 73. 1994 -- tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86 --1,478
 74. 1995 -- tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89 --1,336
 75. 1996 -- tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92 --1,202

- 76. 1997 -- tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99 --1,166
- 77. 1998 -- tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 --1,112
- 78. 1999 -- tuberculosis, ICD-10 code A16-19, death rate 0.33 per 100K, esp. NM, 0.608 -- 930

Disease – TUBERCULOSIS – Chronological – continued:

- 79. 2000 -- tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559 -- 776
- 80. 2001 -- tuberculosis, ICD-10 code A16-19, death rate 0.268 per 100K, esp. DC, 1.741 -- 764
- 81. 2002 -- tuberculosis, ICD-10 code A16-19, death rate 0.273 per 100K, esp. AR, 0.443-- 784
- 82. 2003 -- tuberculosis, ICD-10 code A16-19, death rate 0.25 per 100K, esp. LA, 0.49 -- 711
- 83. 2004 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36 -- 657
- 84. 2005 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. LA, 0.39 -- 648
- 85. 2006 -- tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33-- 652
- 86. 2007 -- tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate -- 554
- 87. 2008 -- tuberculosis, ICD-10 code A16-19, death rate 0.19; esp. MS (above avg. rate) -- 585
- 88. 2009 -- tuberculosis, ICD-10 code A16-19, esp. CA, LA, OK, TX (above avg. death rate) -- 529

- 89. 2010 -- tuberculosis, ICD-10 codes A16-19, esp. AL, CA, KY, TX (above avg. death rate)-- 569
- 90. 2011 -- tuberculosis, ICD-10 codes A16-A19, esp. CA (108), NY, SC (above avg. DR) -- 539
- 91. 2012 -- tuberculosis, ICD-10 codes A16-A19, especially CA (101) and TX (63) -- 510
- 92. 2013 -- tuberculosis, ICD-10 codes A16-A19, especially CA (133) and TX (61) -- 555
- 93. 2014 -- tuberculosis, ICD-10 codes A16-A19, especially CA (101) -- 493
- 94. 2015 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22 -- 470
- 95. 2016 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/111, TX/55, FL/36, OK/14 -- 528
- 96. 2017 -- tuberculosis, IDC-10 codes A16-A19, esp. CA/108, TX/49 NY/31 PA/22 NJ/21--515
- 97. 2018 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/100, TX/50, NY/39, FL/38 -- 542
- 98. 2019 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/112, TX/54, NY/37, FL/35 -- 526

- 99. 2020 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/119, TX/66, NY/36, FL/30 -- 600
- 100. 2021 -- tuberculosis, ICD-10 codes A16-A19, esp. CA/106, TX/58, FL/36, NY/36, VA/22--602

Disease -- TYPHOID FEVER -- By Mortality

1. 1861-65--Apr-June, typhoid fever, Civil War, Confederate/Union forces	~65,000
2. 1900 -- typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX	35,379
3. 1889-90, June-May, typhoid (Enteric) fever, esp. PA, 2.8K, NY/1.7K, IL/1.7K, OH/1.6K	--27,058
4. 1910 -- typhoid fever, avg. death rate 23.5; esp. NC, 57.7, CO/41.9, MD/40.7, MT/39.9	--25,000
5. 1879 -- June-May 1880, typhoid (“Enteric”) fever, especially IL, IN, MO, OH, TX	23,339
6. 1870 -- typhoid fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA	22,187
7. 1860 -- typhoid fever, Census “Registration” States	19,236
8. 1850 -- typhoid fever, 31 States, Washington, DC, four Territories	13,099
9. 1907 -- typhoid, esp. PA/3,538, NY/1,702 IN/948 MI/594 CA/545 OH/523 MD/520	--12,670
10. 1897 -- typhoid (Enteric) fever, esp. NY/1.5K, OH/1.2K, MA/1.1K, IN/655, PA	-->9,192
11. 1918 -- typhoid fever, 33 Registration States, DC and Puerto Rico, esp. TX	9,100
12. 1925 -- typhoid & paratyphoid fever, 48 States, esp. KY/668, TN/653, LA/649	8,287
13. 1920 -- typhoid fever, esp. PA/503 KY/490 OH/435 TN/434 IL/380 NY/SC/379 ³⁵⁸	6,805
14. 1891 -- typhoid fever, esp. Chicago/2K, NY/1926, Philadelphia/683, NJ/695, DC	--5,840
15. 1898 -- typhoid, esp. June-Dec, Spanish War Army camps and civilians, esp. Philly	-->4,627
16. 1891 -- typhoid fever, Chicago (2,000), DC (208), Philadelphia (516)	--2,724
17. 1864 -- typhoid, Chicago/192, Philadelphia/648; typhus/typhoid, NYC/1,425	--2,265
18. 1865 -- typhus/typhoid NYC/1,075; typhoid/Chicago/190 and Philadelphia/773	--2,038
19. 1911 -- typhoid fever, PA	--1,716
20. 1847 -- typhoid and typhus, New York City (1,396), typhus, New Orleans (154)	--1,550
21. 1848 -- typhus and typhoid, New Orleans, LA/372, NYC/953, South Philly/205	--1,530
22. 1851 -- typhus/typhoid, NYC/1,103, New Orleans/typhus/228, Chicago/typhoid/10	--1,341
23. 1912 -- typhoid fever, PA	--1,310
24. 1899 -- typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia	--1,026
25. 1881 -- typhoid fever, Birmingham AL, Washington DC, Minneapolis, NYC	-- 692
26. 1945 -- typhoid fever (471), Int. List No. 1; paratyphoid fever (63), Int. List No. 2	-- 534
27. 1875 -- typhoid fever, 3 rd leading cause of death in MI for year	-- 433
28. 1912 -- Apr, typhoid fever, NY	-- 433
29. 1946 -- typhoid fever (349), Int. List No.1 and paratyphoid fever (58), Int. List No.2	-- 408
30. 1947 -- typhoid fever (282), Int. List No.1 and paratyphoid fever (43), Int. List No.2	-- 325
31. 1754 -- typhoid fever, Philadelphia, PA	-- 273
32. 1885 -- typhoid fever epidemic, Plymouth, PA (114) & Washington, DC (124)	-- 238
33. 1948 -- typhoid fever (code 040)/205, and paratyphoid fever (code 041)/28	-- 233
34. 1893 -- typhoid fever, Washington, DC	-- 186
35. 1892 -- typhoid fever, Washington, DC	-- 183
36. 1949 -- typhoid fever, code 040 (161), and paratyphoid fever, code 041 (15)	-- 176
37. 1889 -- typhoid fever, Washington, DC	-- 170
38. 1888 -- typhoid fever, Washington, DC	-- 168
39. 1886 -- typhoid fever, Washington, DC	-- 125

³⁵⁸ Based on death certificate data from 34 “registration states” as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, representing 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

40. 1882 -- typhoid fever, Washington, DC	-- 120
41. 1887 -- typhoid fever, Washington, DC	-- 116
42. 1950 -- typhoid fever (96) and paratyphoid fever (18)	-- 114
43. 1853 -- typhoid outbreak, Native Americans, Nevada City vicinity, CA	-- ~100

Disease – TYPHOID FEVER – By Mortality:

44. 1959 -- typhoid fever/22 & paratyphoid fever/72; PHS, <i>Vital Statistics-Mortality 1959</i> --	94
45. 1883 -- typhoid fever, Washington, DC	-- 92
46. 1727 -- Sum. esp., typhoid fever-like epidemic Norwich (~40) & Woodbury (≥44), CT ³⁵⁹ --	≥84
47. 1951 -- typhoid fever (code 040), <i>Vital Statistics-Mortality 1951</i> ; esp. TX/12, PA/9	-- 84
48. 1964 -- typhoid fever/14 and paratyphoid fever/67; PHS, <i>Vital Statistics, 1964</i>	-- 81
49. 1952 -- typhoid fever, <i>Vital Statistics-Mortality 1952</i> (040); esp. MS/7, TX/7, SC/6	-- 79
50. 1884 -- typhoid fever, Washington, DC	-- 76
51. 1956 -- typhoid fever, US PHS, <i>Vital Statistics-Mortality 1956</i> , esp. TX/6, CA/5, KY/5--	54
52. 1953 -- typhoid fever, <i>Vital Statistics-Mortality 1953</i> ; esp. TX/8 and AR/7	-- 53
53. 1746 -- Aug-frost (probably Oct), yellow fever or typhoid epidemic, Albany, NY ³⁶⁰	-- 45
54. 1954 -- typhoid fever, Public Health Service, <i>Vital Statistics-Mortality 1954</i> ; esp. TX/6--	45
55. 1955 -- typhoid fever, US Public Health Service, <i>Vital Statistics-Mortality 1955</i>	-- 34
56. 1957 -- typhoid fever, US PHS, <i>Vital Statistics-Mortality 1957</i> , esp. TX (6)	-- 34
57. 1960 -- typhoid fever/21, paratyphoid fever/8; PHS, <i>Vital Statistics-Mortality 1960</i>	-- 29
58. 1963 -- typhoid fever/21 & paratyphoid fever/7; PHS, <i>Vital Statistics-Mortality 1963</i>	-- 28
59. 1961 -- typhoid fever (17) and paratyphoid fever (7)	-- 24
60. 1958 -- typhoid fever/23, U.S. Public Health Service, <i>Vital Statistics-Mortality 1958</i>	-- 23
61. 1962 -- typhoid fever/15 and paratyphoid fever/7; PHS, <i>Vital Statistics-Mortality 1962</i> --	22
62. 1966 -- typhoid fever, AL/AZ/AR/GA/KY/MD/MS/NE/NY/OH/OK/SC/TN/TX	--15-16
63. 1967 -- typhoid fever	-- 12
64. 1968 -- typhoid/paratyphoid fever; ICD-8 code 001-002; CA/DC/GA/IL/MD/NJ/NM/NC/OK/TX/WV--	12
1972 -- typhoid fever; ICD-8 code 001 (typhoid fever); MD/2, MI/2, TX/4	-- 8
1973 -- typhoid fever; ICD-8 code 001 (typhoid fever); IN/1 MO/3 NY/1 OH/1 TN1	-- 7
1965 -- typhoid fever	-- 6
1970 -- typhoid fever; ICD-8 code 001 (typhoid fever); AL/IL/NY/OK/1 each, TN/2	-- 6
1979 -- typhoid & paratyphoid fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX	-- 5
1969 -- typhoid fever; ICD-8 code 001 (typhoid fever); AR (2), MO (1), TX (1)	-- 4

³⁵⁹ epidemic cause not known. One of the sources (Duffy) notes it bore “some resemblance to typhoid attacks.”

³⁶⁰ Sources consulted then and since (five), disagree as to yellow fever or typhoid. Cross-listing in both sub-sets.

Disease -- TYPHOID FEVER -- Chronological

1. 1727 -- Sum. esp., typhoid fever-like epidemic Norwich (~40) & Woodbury (≥44), CT³⁶¹ -- ≥84
2. 1746 -- Aug-frost (probably Oct), yellow fever or typhoid epidemic, Albany, NY³⁶² -- 45
3. 1754 -- typhoid fever, Philadelphia, PA -- 273

4. 1847 -- typhoid and typhus, New York City (1,396), typhus, New Orleans (154) --1,550
5. 1848 -- typhus and typhoid, New Orleans, LA/372, NYC/953, South Philly/205 --1,530

6. 1850 -- typhoid fever, 31 States, Washington, DC, four Territories --13,099
7. 1851 -- typhus/typhoid, NYC/1,103, New Orleans/typhus/228, Chicago/typhoid/10 --1,341
8. 1853 -- typhoid outbreak, Native Americans, Nevada City vicinity, CA -- ~100

9. 1860 -- typhoid fever, Census “Registration” States --19,236
10. 1861-65--Apr-June, typhoid fever, Civil War, Confederate/Union forces ~65,000
11. 1864 -- typhoid, Chicago/192, Philadelphia/648; typhus/typhoid, NYC/1,425 --2,265
12. 1865 -- typhus/typhoid NYC/1,075; typhoid/Chicago/190 and Philadelphia/773 --2,038

13. 1870 -- typhoid fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA --22,187
14. 1875 -- typhoid fever, 3rd leading cause of death in MI for year -- 433
15. 1879 -- June-May 1880, typhoid (“Enteric”) fever, especially IL, IN, MO, OH, TX 23,339

16. 1881 -- typhoid fever, Birmingham AL, Washington DC, Minneapolis, NYC -- 692
17. 1882 -- typhoid fever, Washington, DC -- 120
18. 1883 -- typhoid fever, Washington, DC -- 92
19. 1884 -- typhoid fever, Washington, DC -- 76
20. 1885 -- typhoid fever epidemic, Plymouth, PA (114) & Washington, DC (124) -- 238
21. 1886 -- typhoid fever, Washington, DC -- 125
22. 1887 -- typhoid fever, Washington, DC -- 116
23. 1888 -- typhoid fever, Washington, DC -- 168
24. 1889 -- typhoid fever, Washington, DC -- 170

25. 1889-90, June-May, typhoid (Enteric) fever, esp. PA, 2.8K, NY/1.7K, IL/1.7K, OH/1.6K --27,058
26. 1891 -- typhoid fever, esp. Chicago/2K, NY/1926, Philadelphia/683, NJ/695, DC --5,840
27. 1892 -- typhoid fever, Washington, DC -- 183
28. 1893 -- typhoid fever, Washington, DC -- 186
29. 1897 -- typhoid (Enteric) fever, esp. NY/1.5K, OH/1.2K, MA/1.1K, IN/655, PA -->9,192
30. 1898 -- typhoid, esp. June-Dec, Spanish War Army camps and civilians, esp. Philly -->4,627
31. 1899 -- typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia --1,026

32. 1900 -- typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX --35,379
33. 1907 -- typhoid, esp. PA/3,538, NY/1,702 IN/948 MI/594 CA/545 OH/523 MD/520 --12,670

34. 1910 -- typhoid fever, avg. death rate 23.5; esp. NC, 57.7, CO/41.9, MD/40.7, MT/39.9 --25,000

³⁶¹ epidemic cause not known. One of the sources (Duffy) notes it bore “some resemblance to typhoid attacks.”

³⁶² Sources noted then and since (five), disagree as to yellow fever or typhoid. Cross-listing in both sub-sets.

35. 1911 -- typhoid fever, PA	--1,716
36. 1912 -- typhoid fever, PA	--1,310
37. 1918 -- typhoid fever, 33 registration states, DC and Puerto Rico, esp. TX	--9,100

Disease -- TYPHOID FEVER -- Chronological

38. 1920 -- typhoid fever, esp. PA/503 KY/490 OH/435 TN/434 IL/380 NY/SC/379 ³⁶³	--6,805
39. 1925 -- typhoid & paratyphoid fever, 48 States, esp. KY/668, TN/653, LA/649	--8,287
40. 1945 -- typhoid fever (471), Int. List No.1; paratyphoid fever (63), Int. List No. 2	-- 534
41. 1946 -- typhoid fever (349), Int. List No.1; paratyphoid fever (58), Int. List No. 2	-- 408
42. 1947 -- typhoid fever (282), Int. List No.1; paratyphoid fever (43), Int. List No.2	-- 325
43. 1948 -- typhoid fever, code 040 (205), and paratyphoid fever, code 041 (28)	-- 233
44. 1949 -- typhoid fever, code 040 (161), and paratyphoid fever, code 041 (15)	-- 176
45. 1950 -- typhoid fever, code 040 (96) and paratyphoid fever, code 041 (18)	-- 114
46. 1951 -- typhoid fever (code 040), <i>Vital Statistics-Mortality 1951</i> ; esp. TX/12, PA/9	-- 84
47. 1952 -- typhoid fever, <i>Vital Statistics-Mortality 1952</i> (040); esp. MS/7, TX/7, SC/6	-- 79
48. 1953 -- typhoid fever, <i>Vital Statistics-Mortality 1953</i> ; esp. TX/8 and AR/7	-- 53
49. 1954 -- typhoid fever, Public Health Service, <i>Vital Statistics-Mortality 1954</i> ; esp. TX/6--	45
50. 1955 -- typhoid fever, US Public Health Service, <i>Vital Statistics-Mortality 1955</i>	-- 34
51. 1956 -- typhoid fever, US PHS, <i>Vital Statistics-Mortality 1956</i> , esp. TX/6, CA/5, KY/5--	54
52. 1957 -- typhoid fever, US PHS, <i>Vital Statistics-Mortality 1957</i> , esp. TX (6)	-- 34
53. 1958 -- typhoid fever/23, U.S. Public Health Service, <i>Vital Statistics-Mortality 1958</i>	-- 23
54. 1959 -- typhoid fever/22 & paratyphoid fever/72; PHS, <i>Vital Statistics-Mortality 1959</i> --	94
55. 1960 -- typhoid fever/21, paratyphoid fever/8; PHS, <i>Vital Statistics-Mortality 1960</i>	-- 29
56. 1961 -- typhoid fever (17) and paratyphoid fever (7)	-- 24
57. 1962 -- typhoid fever/15 and paratyphoid fever/7; PHS, <i>Vital Statistics-Mortality 1962</i> --	22
58. 1963 -- typhoid fever/21 & paratyphoid fever/7; PHS, <i>Vital Statistics-Mortality 1963</i>	-- 28
59. 1964 -- typhoid fever/14 and paratyphoid fever/67; PHS, <i>Vital Statistics, 1964</i>	-- 81
1965 -- typhoid fever	-- 6
60. 1966 -- typhoid fever, AL/AZ/AR/GA/KY/MD/MS/NE/NY/OH/OK/SC/TN/TX	--15-16
61. 1967 -- typhoid fever	-- 12
62. 1968 -- typhoid/paratyphoid fever; ICD-8 code 001-002; CA/DC/GA/IL/MD/NJ/NM/NC/OK/TX/WV--	12
1969 -- typhoid fever; ICD-8 code 001 (typhoid fever); AR (2), MO (1), TX (1)	-- 4
1970 -- typhoid fever; ICD-8 code 001 (typhoid fever); AL/IL/NY/OK/1 each, TN/2	-- 6
1972 -- typhoid fever; ICD-8 code 001 (typhoid fever); MD/2, MI/2, TX/4	-- 8
1973 -- typhoid fever; ICD-8 code 001 (typhoid fever); IN/1 MO/3 NY/1 OH/1 TN/1	-- 7
1979 -- typhoid/paratyphoid fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX	-- 5

³⁶³ Based on death certificate data from 34 "registration states" as well as 17 cites in non-registration states of AL, GA, ND, OK, TX and WV, with an estimated population of 87,45,921 or 82.3% of total estimated U.S. and Hawaii territory population. AK was not a State. Other non-reporting states were AZ, AR, ID, IA, MN, NM, SD, and WY.

Disease – TYPHUS and other rickettsial diseases – By Mortality

1.	1870 -- typhus, nationwide, especially IL, IN, NY, and PA	--1,770
2.	1847 -- typhus and typhoid, New York City (1,396), typhus, New Orleans (154)	--1,550
3.	1848 -- typhus and typhoid, New Orleans, LA/372, NYC/953, South Philly/205	--1,530
4.	1851 -- typhus/typhoid, NYC/1,103, New Orleans/typhus/228, Chicago/typhoid/10	--1,341
5.	1586 -- Passamaquoddy Natives “devastated” by typhus epidemic, Maine	--hundreds?
6.	1946 -- typhus fever/typhus-like diseases, Int. list infectious/parasitic diseases No. 39	-- 289
7.	1947 -- typhus fever/typhus-like diseases, int. list infectious/parasitic diseases No. 39	-- 224
8.	1892 -- typhus fever, NYC, NY	-- 200
9.	1948 -- typhus fever & typhus-like diseases, ICD infectious/parasitic diseases code 39	-- 177
10.	1949 -- typhus and other rickettsial diseases (codes 100-103. 105-108)	-- 37
11.	1953 -- typhus and other rickettsial diseases (codes 100-108), 14 States	-- 30
12.	1952 -- typhus/other rickettsial diseases (codes 100-108), 17 States, esp. GA/6, SC/3	-- 29
13.	1814 -- summer-fall, epidemic fever (referred to as typhus), Wardsborough, VT	--23-26
14.	1957 -- typhus and other rickettsial diseases	-- 26
15.	1954 -- typhus and other rickettsial diseases, 15 States	-- 20
16.	1956 -- typhus and other rickettsial diseases, 12 States	-- 19
17.	1951 -- typhus, unspecified	-- 16
18.	1962 -- typhus and other rickettsial diseases	-- 16
19.	1955 -- typhus & other rickettsial diseases, AL CO GA IN LA MD NJ NC SC TX VA	-- 15
	1971 -- typhus and other typhus (ICD-8 codes 080 and 081), GA (1), TX (1)	-- 2
	1975 -- typhus and other typhus (ICD-8 codes 080 and 081), IN (1), TX (1)	-- 2
	1970 -- typhus and other typhus (ICD-8 codes 080 and 081), TX	-- 1
	1973 -- typhus and other typhus (ICD-8 codes 080 and 081), TX	-- 1
	1976 -- typhus and other typhus (ICD-8 codes 080 and 081), AL	-- 1
	1977 -- typhus and other typhus (ICD-8 codes 080 and 081), TX	-- 1

Disease – TYPHUS and other rickettsial diseases – Chronological

1.	1586 -- Passamaquoddy Natives “devastated” by typhus epidemic, Maine	--hundreds?
2.	1814 -- summer-fall, epidemic fever (referred to as typhus), Wardsborough, VT	--23-26
3.	1847 -- typhoid and typhus, New York City (1,396), typhus, New Orleans (154)	--1,550
4.	1848 -- typhus and typhoid, New Orleans, LA/372, NYC/953, South Philly/205	--1,530
5.	1851 -- typhus and typhoid, NYC/1,103, New Orleans/typhus/228, Chicago/typhoid/10	--1,341
6.	1870 -- typhus, nationwide, especially IL, IN, NY, and PA	--1,770
7.	1892 -- typhus fever, NYC, NY	-- 200
8.	1946 -- typhus fever/typhus-like diseases, Int. list infectious/parasitic diseases No. 39	-- 289
9.	1947 -- typhus fever/typhus-like diseases, int. list infectious/parasitic diseases No. 39	-- 224
10.	1948 -- typhus fever & typhus-like diseases, ICD infectious/parasitic diseases code 39	-- 177
11.	1949 -- typhus and other rickettsial diseases (codes 100-103. 105-108)	-- 37
12.	1951 -- typhus, unspecified	-- 16
13.	1952 -- typhus & other rickettsial diseases (codes 100-108), 17 States, esp. GA/6, SC/3	-- 29
14.	1953 -- typhus and other rickettsial diseases (codes 100-108), 14 States	-- 30
15.	1954 -- typhus and other rickettsial diseases, 15 States	-- 20
16.	1955 -- typhus & other rickettsial diseases, AL CO GA IN LA MD NJ NC SC TX VA	-- 15
17.	1956 -- typhus and other rickettsial diseases, 12 States	-- 19
18.	1957 -- typhus and other rickettsial diseases	-- 26
19.	1962 -- typhus and other rickettsial diseases	-- 16
	1970 -- typhus and other typhus (ICD-8 codes 080 and 081), TX	-- 1
	1971 -- typhus and other typhus (ICD-8 codes 080 and 081), GA (1), TX (1)	-- 2
	1973 -- typhus and other typhus (ICD-8 codes 080 and 081), TX	-- 1
	1975 -- typhus and other typhus (ICD-8 codes 080 and 081), IN (1), TX (1)	-- 2
	1976 -- typhus and other typhus (ICD-8 codes 080 and 081), AL	-- 1
	1977 -- typhus and other typhus (ICD-8 codes 080 and 081), TX	-- 1

Disease -- WHOOPING COUGH/Pertussis -- By Mortality

1. 1879 -- June-May 1880, whooping cough, nationwide, esp. IN, GA, NC, TX, AL	11,064
2. 1920 -- whooping cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536 ³⁶⁴	10,968
3. 1900 -- whooping cough, esp. NY/988, PA/702, TX/576, IL/497, AL/494, TN/425	--9,958
4. 1870 -- Whooping or "Hooping" Cough, nationwide, esp. NY, IL, IN, OH, PA	--9,008
5. 1860 -- whooping cough, nationwide, especially, NY, NC, OH, PA, and VA	--8,408
6. 1850 -- whooping cough, esp. NY/649, OH/450, GA/385, AL/305, PA/288, SC/269	--5,280
7. 1907 -- whooping cough, Census Registration States and localities	--4,856
8. 1931 -- whooping cough, year, especially children, esp. IL, KY, NY and PA	--4,619
9. 1943 -- Jan-Dec, whooping cough (pertussis), especially children, nationwide	--3,368
10. 1939 -- whooping cough, nationally, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA	--3,026
11. 1940 -- whooping cough (pertussis), nationwide, especially TX and KY	--2,926
12. 1947 -- whooping cough, Int. List No. 9	--1,954
13. 1944 -- whooping cough (pertussis), nationwide, especially NC, VA, TX, SC, KY/MS	--1,878
14. 1946 -- whooping cough, Int. List No. 9	--1,241
15. 1948 -- whooping cough, 1948 ICD-1 code 9	--1,146
16. 1950 -- whooping cough, code 056 of 6 th rev. of international lists, 1948 (US PHS)	--1,118
17. 1951 -- whooping cough/pertussis, esp. TX/110, GA/86, MS/72, NC/52, VA/48, AL/45	-- 960
18. 1949 -- whooping cough, Public Health Service. <i>Vital Statistics...[US] 1949, Part II</i>	-- 727
19. 1955 -- whooping cough/pertussis, 15 states in double digit, esp. TX/59, MS/34, NC/31	-- 476
20. 1952 -- whooping cough/pertussis, 16 states double digits, esp. TX/57 MS/30 AL/SC/24	-- 406
21. 1954 -- whooping cough/pertussis, 17 states double digits, esp. SC/29, KY/TX/24, MS/23	-- 375
22. 1953 -- whooping cough/pertussis, 11 states double digits, esp. TX/19 KY/18 OH/17	-- 271
23. 1959 -- whooping cough (pertussis), especially children, esp. TX/48, SC/22, GA/18	-- 269
24. 1956 -- whooping cough/pertussis, 8 states double digit deaths esp. TX/44 MS/41 GA/36	-- 266
25. 1957 -- whooping cough/pertussis, esp. TX/25, SC/18, MS/14, KY & PA/13, NC/12	-- 183
26. 1958 -- whooping cough/pertussis), especially children, esp. TX/24, CA/15, SC/15 KY/13	--177
27. 1960 -- whooping cough (pertussis), especially children, especially TX (22)	-- 118
28. 1963 -- whooping cough (pertussis), esp. children, especially TX/18, LA/9, GA/8	-- 115
29. 1875 -- whooping cough (pertussis), MI	-- 101
30. 1894 -- Feb 4-10, whooping cough (pertussis) outbreak, New York City, NY	-- 101
31. 1964 -- whooping cough (pertussis), especially children, especially SC/11 and TX/11	-- 93
32. 1962 -- whooping cough (pertussis), especially children, esp. AK/7, MS/7, SC/7	-- 83
33. 1961 -- whooping cough (pertussis), especially children, especially AL (10)	-- 76
34. 1965 -- whooping cough (pertussis), especially children, especially SC/7, TX/7, CA/5	-- 55
35. 1966 -- whooping cough, especially West South Central (18), especially TX (9)	-- 49
36. 1770 -- "Chin" (whooping) cough epidemic esp. children, Salem (pop. ~5,000), MA	-- 37
37. 1967 -- whooping cough (pertussis)	-- 37
38. 1968 -- whooping cough/pertussis; ICD-8 code 033; especially TX (8)	-- 36
39. 2005 -- whooping cough (ICD-10 code A37.0, pertussis), 28 under 1 year-old	-- 31

³⁶⁴ Data from 34 registration States and a number of cities $\geq 100,000$ in non-registration states.

40. 2010 -- whooping cough (ICD-10 code A37.0, pertussis), 25 under 1 year-old	--	26
41. 2008 -- whooping cough (ICD-10 code A37.0, pertussis), 18 under 1 year-old	--	20

Disease -- WHOOPING COUGH -- By Mortality:

42. 1971 -- whooping cough/pertussis; ICD-8 code 033; KY/4, LA/OK/TX/2, AL/GA/IA/MS/NY/OH/SC/1-18		
43. 2002 -- whooping cough (pertussis, ICD-10 code A37.0), all 18 under 1 year-old	--	18
44. 2001 -- whooping cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old)	--	17
45. 2012 -- whooping cough (pertussis, ICD-10 code A37.0), 15 under 1 year-old	--	17
46. 2004 -- whooping cough (pertussis, ICD-10 code A37.0), 15 under 1 year-old	--	16
47. 2009 -- whooping cough (ICD-10 code A37.0), all under 1 year-old	--	15
48. 1974 -- whooping cough (pertussis; ICD-8 code 033.0); esp. CA/2, KY/2, MI/2, NY/3	--	14
49. 2014 -- whooping cough (pertussis, ICD-10 code A37.0), 10 under 1 year-old	--	14
50. 1969 -- whooping cough/pertussis; ICD-8 code 033; TX/4, AZ/CA/CO/IL/KY/MS/TN/VA/WI/1	--	13
51. 1970 -- whooping cough/pertussis; ICD-8 code 033; CA/3, IL/IN/KY/MS/NC/OR/PA/SC/TX	--	12
52. 1989 -- whooping cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old)	--	12
53. 1990 -- whooping cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old)	--	12
54. 2000 -- whooping cough (pertussis, ICD-10 code A37.0), (all under 1 year-old)	--	12
55. 2013 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	12
56. 1980 -- whooping cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NY/PA/VA	--	11
57. 2003 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	11
58. 2016 -- whooping cough (ICD-10 code A37.0)	--	11
59. 1977 -- whooping cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each	--	10
60. 2019 -- whooping cough, ICD-10 code A36 (CDC Wonder site); 6 under 5, 4 75-89	--	10
2006 -- whooping cough (pertussis), ICD-10 code A37.0, 8 <1, 1 (75-84 age range)	--	9
2017 -- whooping cough (pertussis), ICD-10 code 137.0-A37.9	--	9
2018 -- whooping cough (pertussis), ICD-10 code A37.0-A37.9; CDC Wonder site	--	9
1975 -- whooping cough (pertussis; ICD-8 code 033.0); MO/2 FL GA IL IN MI TX, 1 each	--	8
1994 -- whooping cough (ICD-9 code 033.0), all <1 year old	--	8
1976 -- whooping cough, NY/2, FL, MS, OH, OK, WI one each (6 under 1, 1/10-14)	--	7
1984 -- whooping cough (ICD-9 code 033.0), all under 1 year old	--	7
1993 -- whooping cough (ICD-9 code 033.0), all <1 year old	--	7
1999 -- whooping cough (ICD-9 code 033.0), all <1 year old	--	7
2007 -- whooping cough (ICD-10 code A37.0), 8 <1 year, 1 (45-54)	--	7
2011 -- whooping cough (ICD-10 code A37.0)	--	7
2015 -- whooping cough (ICD-10 code A37.0)	--	7
1972 -- whooping cough (pertussis; ICD-8 code 033); NJ/2, SC/2, WA/2	--	6
1978 -- whooping cough (ICD-8 code 0.33.0)	--	6
1979 -- whooping cough, (ICD-9 code 033.0), all under 1 year old	--	6
1981 -- whooping cough, CO, GA, KY, ND, WA, WI, 1 each	--	6
1986 -- whooping cough (ICD-9 code 033.0), 5 <1 year old, 1 in 65-74 age range	--	6

1995 -- whooping cough (ICD-9 code 033.0), 6 <1 year old	--	6
1997 -- whooping cough (ICD-9 code 033.0), 6 <1 year old	--	6
1973 -- whooping cough (pertussis; ICD-8 code 033); CA/1, MI/1, NC/1, SC/1, TX/1	--	5
1983 -- whooping cough (ICD-9 code 033.0), all under 1 year old	--	5
1992 -- whooping cough (ICD-9 code 033.0), 4 <1 year old, 1 age 5-9	--	5
1998 -- whooping cough (ICD-9 code 033.0), 4 <1 year, 1 between 1 and 4 years	--	5
1982 -- whooping cough (ICD-9 code 033.0), all under 1 year old	--	4
1985 -- whooping cough (ICD-9 code 033.0), 3 under 1 year and 1 in 1-4 age range	--	4
1988 -- whooping cough (ICD-9 code 033.0), all under 1 year old	--	4
1996 -- whooping cough (ICD-9 code 033.0), 4 <1 year old	--	4
1987 -- whooping cough (ICD-9 code 033.0), between age of 1 and 4	--	1
1991 -- whooping cough (ICD-9 code 033.0)	--	0

Disease -- WHOOPING COUGH/Pertussis -- Chronological

1. 1770 -- “Chin” (whooping) cough epidemic esp. children, Salem (pop. ~5,000), MA -- 37
2. 1850 -- whooping cough, esp. NY/649, OH/450, GA/385, AL/305, PA/288, SC/269 --5,280
3. 1860 -- whooping cough, nationwide, especially, NY, NC, OH, PA, and VA --8,408
4. 1870 -- whooping or “Hooping” cough, nationwide, esp. NY, IL, IN, OH, PA --9,008
5. 1875 -- whooping cough, MI -- 101
6. 1879 -- June-May 1880, whooping cough, nationwide, esp. IN, GA, NC, TX, AL 11,064
7. 1894 -- Feb 04-10, whooping cough outbreak, New York City, NY -- 101
8. 1900 -- whooping cough, esp. NY/988, PA/702, TX/576, IL/497, AL/494, TN/425 --9,958
9. 1907 -- whooping cough, Census Registration States and localities --4,856
10. 1920 -- whooping cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536³⁶⁵ --10,968
11. 1931 -- whooping cough/pertussis, especially children, esp. IL, KY, NY and PA --4,619
12. 1939 -- whooping cough/pertussis, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA --3,026
13. 1940 -- whooping cough/pertussis, nationwide, especially TX and KY --2,926
14. 1943 -- whooping cough/pertussis, especially children, nationwide --3,368
15. 1944 -- whooping cough/pertussis, nationwide, especially NC, VA, TX, SC, KY, MS --1,878
16. 1946 -- whooping cough, Int. List No. 9 --1,241
17. 1947 -- whooping cough, Int. List No. 9 --1,954
18. 1948 -- whooping cough, 1948 ICD-1 code 9 --1,146
- 1948 – whooping cough vaccination became available in the U.S.**
19. 1949 -- whooping cough, Public Health Service. *Vital Statistics...*[US] 1949, Part II -- 727
20. 1950 -- whooping cough, code 056 of 6th rev. of international lists, 1948 (US PHS) --1,118
21. 1951 -- whooping cough/pertussis, esp. TX/110, GA/86, MS/72, NC/52, VA/48, AL/45-- 960
22. 1952 -- whooping cough/pertussis, 16 states double digits, esp. TX/57 MS/30 AL/SC/24-- 406
23. 1953 -- whooping cough/pertussis, 11 states double digits, esp. TX/19 KY/18 OH/17 -- 271
24. 1954 -- whooping cough/pertussis, 17 states double digits, esp. SC/29, KY/TX/24, MS/23 -- 375
25. 1955 -- whooping cough/pertussis, 15 states in double digit, esp. TX/59, MS/34, NC/31 -- 476
26. 1956 -- whooping cough/pertussis, 8 states double digit deaths esp. TX/44 MS/41 GA/36-- 266
27. 1957 -- whooping cough/pertussis, esp. TX/25, SC/18, MS/14, KY & PA/13, NC/12 -- 183
28. 1958 -- whooping cough/pertussis), especially children, esp. TX/24, CA/15, SC/15, KY/13--177
29. 1959 -- whooping cough (pertussis), especially children, esp. TX/48, SC/22, GA/18 -- 269
30. 1960 -- whooping cough (pertussis), especially children, especially TX (22) -- 118
31. 1961 -- whooping cough (pertussis), especially children, especially AL (10) -- 76
32. 1962 -- whooping cough (pertussis), especially children, esp. AK/7, MS/7, SC/7 -- 83

³⁶⁵ Data from 34 registration States and a number of cities $\geq 100,000$ in non-registration states.

- 33. 1963 -- whooping cough (pertussis), esp. children, especially TX/18, LA/9, GA/8 -- 115
- 34. 1964 -- whooping cough (pertussis), especially children, especially SC/11 and TX/11 -- 93
- 35. 1965 -- whooping cough (pertussis), especially children, especially SC/7, TX/7, CA/5 -- 55
- 36. 1966 -- whooping cough (pertussis), especially West South Central (18), esp. TX (9) -- 49
- 37. 1967 -- whooping cough (pertussis) -- 37
- 38. 1968 -- whooping cough (pertussis, ICD-8 code 033); especially Texas (8) -- 36
- 39. 1969 -- whooping cough (pertussis, ICD-8 code 033; TX/4, AZ/CA/CO/IL/KY/MS/TN/VA/WI/1-- 13

DISEASE -- Whooping Cough -- Chronological -- continued:

- 40. 1970 -- whooping cough (pertussis; ICD-8 code 033) CA/3, IL/IN/KY/MS/NC/OR/PA/SC/TX-- 12
- 41. 1971 -- whooping cough/pertussis; ICD-8 code 033; KY/4, LA/OK/TX/2, AL/GA/IA/MS/NY/OH/SC/1-- 18
- 1972 -- whooping cough (pertussis; ICD-8 code 033); NJ/2, SC/2, WA/2 -- 6
- 1973 -- whooping cough (pertussis; ICD-8 code 033); CA/1, MI/1, NC/1, SC/1, TX/1 -- 5
- 42. 1974 -- whooping cough (pertussis; ICD-8 code 033.0); esp. CA/2, KY/2, MI/2, NY/3 -- 14
- 1975 -- whooping cough (pertussis; ICD-8 code 033.0); MO/2 FL GA IL IN MI TX, 1 each-- 8
- 1976 -- whooping cough, NY/2, FL, MS, OH, OK, WI one each (6 under 1, 1/10-14) -- 7
- 43. 1977 -- whooping cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each -- 10
- 1978 -- whooping cough, (ICD-9 code 033.0), 5 under 1 year old, 1 (20-24 age range)-- 6
- 1979 -- whooping cough, (ICD-9 code 033.0), all under 1 year old -- 6
- 44. 1980 -- whooping cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NY/PA/VA -- 11
- 1981 -- whooping cough, CO, GA, KY, ND, WA, WI, 1 each -- 6
- 1982 -- whooping cough (ICD-9 code 033.0), all under 1 year old -- 4
- 1983 -- whooping cough (ICD-9 code 033.0), all under 1 year old -- 5
- 1984 -- whooping cough (ICD-9 code 033.0), all under 1 year old -- 7
- 1985 -- whooping cough (ICD-9 code 033.0), 3 under 1 year and 1 in 1-4 age range -- 4
- 1986 -- whooping cough (ICD-9 code 033.0), 5 <1 year old, 1 in 65-74 age range -- 6
- 1987 -- whooping cough (ICD-9 code 033.0), between age of 1 and 4 -- 1
- 1988 -- whooping cough (ICD-9 code 033.0), all under 1 year old -- 4
- 45. 1989 -- whooping cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old) -- 12
- 46. 1990 -- whooping cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old) -- 12
- 1991 -- whooping cough (ICD-9 code 033.0) -- 0
- 1992 -- whooping cough (ICD-9 code 033.0), 4 <1 year old, 1 age 5-9 -- 5
- 1993 -- whooping cough (ICD-9 code 033.0), all <1 year old -- 7
- 1994 -- whooping cough (ICD-9 code 033.0), all <1 year old -- 8
- 1995 -- whooping cough (ICD-9 code 033.0), 6 <1 year old -- 6
- 1996 -- whooping cough (ICD-9 code 033.0), 4 <1 year old -- 4
- 1997 -- whooping cough (ICD-9 code 033.0), 6 <1 year old -- 6
- 1998 -- whooping cough (ICD-9 code 033.0), 4 <1 year, 1 between 1 and 4 years -- 5
- 1999 -- whooping cough (ICD-10 code A37.0), all <1 year old -- 7
- 47. 2000 -- whooping cough (ICD-10 code A37.0), (all under 1 year-old) -- 12
- 48. 2001 -- whooping cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old) -- 17
- 49. 2002 -- whooping cough (ICD-10 code A37.0), all 18 under 1 year-old -- 18

50. 2003 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	11
51. 2004 -- whooping cough (ICD-10 code A37.0), 15 under 1 year-old	--	16
52. 2005 -- whooping cough (ICD-10 code A37.0), 28 under 1 year-old	--	31

Whooping Cough – Chronologically (continued):

2006 -- whooping cough (ICD-10 code A37.0), 8 <1, 1 (75-84 age range)	--	9
2007 -- whooping cough (ICD-10 code A37.0), 8 <1 year, 1 (45-54)	--	7
53. 2008 -- whooping cough (ICD-10 code A37.0), 18 under 1 year-old	--	20
54. 2009 -- whooping cough (ICD-10 code A37.0), all under 1 year-old	--	15
55. 2010 -- whooping cough (ICD-10 code A37.0), 25 under 1 year-old	--	26
2011 -- whooping cough (ICD-10 code A37.0)	--	7
56. 2012 -- whooping cough (ICD-10 code A37.0), 15 under 1 year-old	--	17
57. 2013 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	12
58. 2014 -- whooping cough (ICD-10 code A37.0), 10 under 1 year-old	--	14
2015 -- whooping cough (ICD-10 code A37.0)	--	7
59. 2016 -- whooping cough (ICD-10 code A37.0)	--	11
2017 -- whooping cough (pertussis), ICD-10 code 137.0-A37.9	--	9
2018 -- whooping cough (pertussis), ICD-10 code A37.0-A37.9; CDC Wonder site	--	9
60. 2019 -- whooping cough, ICD-10 code A36 (CDC Wonder site); 6 under 5, 4 75-89	--	10

DISEASE³⁶⁶ -- **YELLOW FEVER** -- **By MORTALITY**

1. 1878 -- June-Dec, yellow fever, esp. LA (esp. New Orleans), MS, TN (esp. Memphis) ~20,000
2. 1853 -- May-Dec, yellow fever, esp. AL/1293, LA/~15K, MS/1311 TX/871--18,770--19,533
3. 1867 -- July-Dec, yellow fever, esp. New Orleans, Galveston/Houston; also AL/FL/MS/TN--10,012
4. 1798 -- yellow fever epidemic, East Coast port cities, especially Philadelphia, NYC --10,000
5. 1858 -- June-Dec, yellow fever, esp. Charleston SC; Galveston & Indianola; New Orleans/4855-- 6,490
6. 1855 -- June-Nov, yellow fever, esp. New Orleans/2,670; Norfolk/Portsmouth, VA/3K --6,059
7. 1793 -- Aug--Nov, yellow fever epidemic, Philadelphia, PA 4,041-5,000
8. 1854 -- June-Dec, yellow fever, esp. Jacksonville, Charleston, Galveston, NOLA, Savannah --4,238
9. 1873 -- July-Dec, yellow fever, esp. Memphis, AL, Pensacola, Louisville, LA, TX--3542-3584
10. 1841 -- yellow fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston --3,498

11. 1847 -- yellow fever, esp. NOLA, also Galveston, Mobile, Pensacola, Vicksburg³⁶⁷ --≥3,400
12. 1819 -- yellow fever, esp. Charleston, Mobile, Natchez; most esp. New Orleans --2,871-3,019
13. 1839 -- June-Oct, yellow fever, SC, FL, GA, TX, esp. Mobile, Natchez, New Orleans--~2,764
14. 1822 -- yellow fever, esp. late Sum-fall, esp. NOLA/Marietta OH/NYC/Pensacola³⁶⁸ --1,519-2,741
15. 1797 -- yellow fever, New Design, MO, NYC, Philly, Providence, RI --2,502
16. 1864 -- yellow fever, esp. New Bern NC/1,359, Charleston, SC/700, Galveston, NOLA --2,414
17. 1837 -- Aug-Nov, yellow fever epidemics, Mobile AL; New Orleans LA; Natchez MS --1,550-1,930
18. 1800 -- yellow fever, esp. Baltimore, Charleston SC, Norfolk, Providence RI --1,509-1,806
19. 1862 -- yellow fever, esp. Wilmington NC/>653; TX coast/≥328; Key West/86 --1,131-1,679
20. 1843 -- July-Nov, yellow fever, esp. Mobile AL (240-750), New Orleans (487-700) --758-1,481
21. 1803 -- yellow fever epidemic, July 18-Oct, Charleston, SC, NY, VA, Philadelphia --1,403
22. 1799 -- yellow fever, esp. Charleston, SC, NYC, Philadelphia, *Delaware & Greene* --1,356
23. 1820 -- May-Dec, yellow fever, Savannah GA/New Orleans/NYC/Philadelphia --1,335
24. 1876 -- yellow fever, Savannah (also Brunswick), GA; also New Orleans & Baltimore --1,293
25. 1817 -- June-Dec, yellow fever, esp. Charleston SC, Natchez MS, New Orleans--1,208-1,233
26. 1829 -- yellow fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA/900 --1,146
27. 1905 -- May 21-Nov, yellow fever, esp. LA (esp. New Orleans/455), Pensacola, MS --1,131
28. 1870 -- May-Dec, yellow fever, esp. New Orleans/587 Mobile/173 Brunswick, GA --1,038
29. 1833 -- Early Aug-early Nov, yellow fever epidemic, New Orleans, LA --1,000
30. 1796 -- yellow fever, esp. Charleston, SC/300, New Orleans/250-400; Wilmington, NC/150--836-986
31. 1848 -- yellow fever, Mobile AL~76, New Orleans/850-872, NY Marine Hosp./12 --937-960
32. 1849 -- Aug-Dec, yellow fever, Charleston SC/125, Mobile AL/50, New Orleans/737 --912-944
33. 1850 -- Jan-Oct, yellow fever, esp. Jefferson/Orleans Parishes/New Orleans, LA and SC³⁶⁹ -- 862
34. 1809 -- yellow fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA-- 850
35. 1805 -- yellow fever, esp. NYC/270-340, Philly/300-400, Providence, RI/10, SC/≤59 --750-809

³⁶⁶ Communicable in the sense that once imported into an area by an infected person or a carrying female mosquito of the *Aedes aegypti* or *Haemagogus* type, the disease is spread by other mosquitoes of this type biting an infected person and then an uninfected person. If an infected person travels to another location and is bitten by an *Aedes aegypti* mosquito, then the infection can be communicated to other people in that location by a bite from that mosquito. Infected mosquitoes can also pass the infection along to her eggs, and thus further spread.

³⁶⁷ Was in at least 10 Louisiana areas other than New Orleans; also in six known locations other than Vicksburg in Mississippi; was in Memphis, TN, and Brazos, Houston and Matamoras, Texas. Mostly late summer and fall.

³⁶⁸ Also includes 101 fatalities on the U.S. Frigate *Macedonian*, sailing in the Caribbean late Spring to mid-summer.

³⁶⁹ Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.

Diseases -- YELLOW FEVER -- By MORTALITY -- continued:

36. 1795 -- July 19–Oct 12, yellow fever epidemic, NY City; Providence, RI (45) --745--800
37. 1879 -- June-Dec, yellow fever, Forest City, AR, Louisiana, MS, Memphis, TN --682-786
38. 1852 -- yellow fever, Charleston, New Orleans, Savannah -- 745
39. 1823 -- July-Nov 1, yellow fever, Key West/>32, Natchez, MS/337, New Orleans/239 -- >613
40. 1844 -- yellow fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA (148)-- 590
41. 1702 -- summer to late fall, yellow fever epidemic, New York City, NY --500-570
42. 1802 -- yellow fever, Wilmington DE, MD, MA, Philadelphia, NH, SC -- 561
43. 1888 -- July-Dec, yellow fever epidemic, FL esp. Jacksonville/430; Decatur AL/35 -- 546
44. 1699 -- yellow fever epidemics, Charleston, SC (170-311); Philadelphia (220) --390-531
45. 1897 -- Sep-Dec, yellow fever, esp. Mobile/48, New Orleans/298, MS, Memphis TN -- ~520
46. 1811 -- yellow fever epidemic, New Orleans, LA -- >500
47. 1871 -- July 30-Dec 18, yellow fever, esp. MS/143, Charleston SC/213, New Orleans/55-- 454
48. 1825 -- yellow fever, esp. Mobile, Key West & Pensacola, NOLA, Natchez, Washington MS-- 428
49. 1794 -- June-Nov, yellow fever, Baltimore MD (200-360); New Haven, CT (64) --264-424
50. 1821 -- summer-fall, yellow fever, esp. Norfolk, VA (~160); St Augustine, FL (172) -- ≥14
51. 1832 -- yellow fever outbreak, New Orleans, LA -- 400
52. 1874 -- Aug 17-Nov 9, yellow fever, Pensacola, Warrington, Woolsey, FL/381; also N.O. -- 398
53. 1838 -- yellow fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)-- 376
54. 1824 -- July-Nov, yellow fever, esp. Charleston SC (235); New Orleans LA (≥108) --364-373
55. 1856 -- Aug-Sep, yellow fever, Charleston SC/212-266, New Orleans/74, NY/12 --304-358
56. 1857 -- June-Dec, yellow fever, Charleston SC, Jacksonville FL/127, New Orleans/199 -- 353
57. 1859 -- yellow fever, esp. Galveston/186, Houston/22, TX, New Orleans/91, LA -- 337
58. 1828 -- yellow fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150 -- 332
59. 1835 -- Aug-Sep, yellow fever, Charleston SC (25-26) New Orleans LA (284-289) --309-315
60. 1842 -- July-Oct, yellow fever epidemics, Mobile AL (66-77), New Orleans (211) --285-289
61. 1741 -- yellow fever epidemic, Boston MA and especially Philadelphia PA -- 265
62. 1877 -- Aug-Nov, yellow fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL-- 263
63. 1763 -- Aug-Feb 1774, yellow fever, Indians, Nantucket Isl., & Martha's Vineyard, MA³⁷⁰ --200-261
64. 1818 -- yellow fever epidemics, esp. Charleston SC (115); New Orleans, LA (115) -- 234
65. 1732 -- May-Oct, yellow fever outbreaks, Charleston SC (130-150), NYC (70) --200-220
66. 1743 -- July 25-Oct, yellow fever epidemic, New York City, NY -- 217
67. 1866 -- Aug-Nov (esp.), yellow fever outbreaks, especially New Orleans, LA (185) -- 211
68. 1791 -- yellow fever epidemic, New York City, NY -- 200
69. 1863 -- yellow fever outbreak, Pensacola, FL -- 200
70. 1804 -- yellow fever epidemics, NOLA, Brooklyn, NY & especially Charleston, SC -- 198
71. 1882 -- yellow fever, Aug-Nov, Pensacola, FL -- 198
72. 1887 -- May-Dec, yellow fever, esp. Key West (64) and Tampa (75-100), FL --169-196
73. 1827 -- yellow fever, esp. Charleston, SC (64) & New Orleans (109) epidemics -- ≥195
74. 1898 -- Aug 23-Nov 18, yellow fever, LA, especially New Orleans (57); MS (80) --175
75. 1830 -- July-fall, yellow fever, Charleston SC (39) & especially New Orleans (132) -- 172

76. 1807 -- yellow fever epidemic, especially Charleston, SC -- 169
77. 1846 -- yellow fever epidemic, New Orleans, LA (146-160); also Mobile AL (4) --151-165

³⁷⁰ The Nantucket Island Native American population was decimated, only a small percentage survived.

Diseases -- YELLOW FEVER -- By MORTALITY -- continued:

78. 1801 -- yellow fever epidemic, Queensborough, NYC, NY	-- 156
79. 1834 -- yellow fever epidemic, New Orleans (≥ 95), LA; Charleston (49), SC	-- 144
80. 1728 -- Late summer to fall, yellow fever, Charleston, SC	-- <130
81. 1899 -- July-Dec, yellow fever, esp. Key West/68 Miami/14; New Orleans/23; MS, VA	-- 126
82. 1765 -- yellow fever epidemic, Pensacola, FL	-- 125
83. 1762 -- Aug-Nov, ³⁷¹ yellow fever, Philadelphia, PA	--~100?
84. 1739 -- yellow fever, "severe" extensive, "raged...violently," Charleston, SC ³⁷²	--dozens
85. 1745 -- June-Nov, yellow fever, New York City and especially Charleston, SC ³⁷³	--dozens
86. 1875 -- yellow fever outbreak, Key West, FL & Pascagoula, MS	-- 98
87. 1792 -- yellow fever epidemic, Charleston, SC	-- <96
88. 1808 -- yellow fever epidemic, Sep 5-Oct, St. Mary's, GA	-- 84
89. 1883 -- yellow fever outbreaks, Aug 05-Nov 6, Brewton, AL, FL	-- 74
90. 1706 -- Aug-Oct especially, yellow fever epidemic, Charleston, SC	-- ~65
91. 1893 -- yellow fever, Sep, Fort Bayou, AL, FL, Brunswick, GA	-- 61
92. 1872 -- July 11-Nov 19, yellow fever, New Orleans, LA/~40; Galveston, TX/10	--50-51
93. 1747 -- June 29- frost (probably Oct), yellow fever, Philadelphia, PA	-- >43
94. 1880 -- yellow fever outbreak, July 16, beginning, Jacksonville, FL	-- 34
95. 1748 -- Mid-Aug to mid- Oct, yellow fever outbreak, Charleston, SC	-- ≥ 33
96. 1840 -- yellow fever outbreak, Charleston, SC (22), New Orleans (3)	-- 25
97. 1851 -- yellow fever outbreak, New Orleans, LA	-- 16
98. 1668 -- yellow fever outbreak, New York, NY	-- > 10
99. 1693 -- June 17 start, yellow fever, Boston, British fleet arrival from Martinique ³⁷⁴	-- $\leq 10?$
1972 -- yellow fever, Indiana	-- 2

³⁷¹ Redman has the outbreak from Aug-Oct. Rush has it from Aug-Dec. We compromise between the two in that the mosquitoes which are the vector are generally killed off, or go into hibernation, with the first good frost.

³⁷² The closest we have seen to a fatality estimate is Duffy's note that it "was not quite as bad as the previous one [yellow fever epidemic] in 1732." In that year 130-150 people are estimated to have died from yellow fever in Charleston. (Duffy, John. *epidemics in Colonial America*. Baton Rouge: LSU Press, 1953, 1979, p. 152.)

³⁷³ Cannot find number of reported deaths, but a Census of Charleston for the year 1848 compares the fatality of 145 to that of 1732, wherein 130-150 people died from yellow fever.

³⁷⁴ Approximately 3,100 British sailors and soldiers died from yellow fever on way to Boston and while stationed there in June and July. It was only reported that "several" colonists succumbed in Boston.

Diseases -- YELLOW FEVER -- CHRONOLOGICAL

1. 1668 -- late summer to early fall, yellow fever epidemic, New York City, NY³⁷⁵ --many
2. 1693 -- June 17 start, yellow fever, Boston, British fleet arrival from Martinique³⁷⁶ -- ≤10?
3. 1699 -- yellow fever epidemics, Charleston, SC (170-311); Philadelphia (220) --390-531

4. 1702 -- summer to late fall, yellow fever epidemic, New York City, NY --500-570
5. 1706 -- Aug-Oct especially, yellow fever epidemic, Charleston, SC -- ~65
6. 1728 -- Late summer to fall, yellow fever, Charleston, SC -- <130
7. 1732 -- May-Oct, yellow fever outbreaks, Charleston SC (130-150), NYC (70) --200-220
8. 1739 -- yellow fever, “severe” extensive, “raged...violently,” Charleston, SC³⁷⁷ --dozens
9. 1741 -- yellow fever epidemic, Boston MA and especially Philadelphia PA -- 265
10. 1743 -- July 25-Oct, yellow fever epidemic, New York City, NY -- 217
11. 1745 -- June-Nov, yellow fever, New York City and especially Charleston, SC³⁷⁸ --dozens
12. 1747 -- June 29- frost (probably Oct), yellow fever, Philadelphia, PA -- >43
13. 1748 -- Mid-Aug to mid- Oct, yellow fever outbreak, Charleston, SC -- ≥33
14. 1762 -- Aug-Nov,³⁷⁹ yellow fever, Philadelphia, PA --~100?
15. 1763 -- Aug-Feb 1774, yellow fever, Indians, Nantucket Isl., & Martha’s Vineyard, MA³⁸⁰--200-261
16. 1765 -- yellow fever epidemic, Pensacola, FL -- 125

17. 1791 -- yellow fever epidemic, New York City, NY -- 200
18. 1792 -- yellow fever epidemic, Charleston, SC -- <96
19. 1793 -- Aug–Nov, yellow fever epidemic, Philadelphia, PA --4,041-5,000
20. 1794 -- June-Nov, yellow fever, Baltimore MD (200-360); New Haven, CT (64) --264-424
21. 1795 -- July 19–Oct 12, yellow fever epidemic, NY City; Providence, RI (45) --745~800
22. 1796 -- yellow fever, esp. Charleston, SC/300, New Orleans/250-400; Wilmington, NC/150--836-986
23. 1797 -- yellow fever, New Design, MO, NYC, Philly, Providence, RI --2,502
24. 1798 -- yellow fever epidemic, East Coast port cities, especially Philadelphia, NYC --10,000
25. 1799 -- yellow fever, esp. Charleston, SC, NYC, Philadelphia, *Delaware & Greene* --1,356

26. 1800 -- yellow fever, esp. Baltimore, Charleston SC, Norfolk, Providence RI --1,509-1,806
27. 1801 -- yellow fever epidemic, Queensborough, NYC, NY -- 156
28. 1802 -- yellow fever, Wilmington DE, MD, MA, Philadelphia, NH, SC -- 561
29. 1803 -- yellow fever epidemic, July 18-Oct, Charleston, SC, NY, VA, Philadelphia --1,403
30. 1804 -- yellow fever epidemics, NOLA, Brooklyn, NY & especially Charleston, SC -- 198

³⁷⁵ Have not seen death-toll estimate. In proclaiming Day of Humiliation, NY Governor Lovelace wrote that “many” were “daily swept away & many more lying on their languishing beds, expecting each hour their dissolution.”

³⁷⁶ Approximately 3,100 British sailors and soldiers died from yellow fever on way to Boston and while stationed there in June and July. It was only reported that “several” colonists succumbed in Boston.

³⁷⁷ The closest we have seen to a fatality estimate is Duffy’s note that it “was not quite as bad as the previous one [yellow fever epidemic] in 1732.” In that year 130-150 people are estimated to have died from yellow fever in Charleston. (Duffy, John. *epidemics in Colonial America*. Baton Rouge: LSU Press, 1953, 1979, p. 152.)

³⁷⁸ Cannot find number of reported deaths, but a Census of Charleston for the year 1848 compares the fatality of 145 to that of 1732, wherein 130-150 people died from yellow fever.

³⁷⁹ Redman has the outbreak from Aug-Oct. Rush has it from Aug-Dec. We compromise between the two in that the mosquitoes which are the vector are generally killed off, or go into hibernation, with the first good frost.

³⁸⁰ The Nantucket Island Native American population was decimated, only a small percentage survived.

- 31. 1805 -- yellow fever, esp. NYC/270-340, Philly/300-400, Providence, RI/10, SC/≤59 --750-809
- 32. 1807 -- yellow fever epidemic, especially Charleston, SC -- 169
- 33. 1808 -- yellow fever epidemic, Sep 5-Oct, St. Mary's, GA -- 84
- 34. 1809 -- yellow fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA-- 850

Diseases -- YELLOW FEVER – CHRONOLOGICAL – continued:

- 35. 1811 -- yellow fever epidemic, New Orleans, LA -- >500
- 36. 1817 -- June-Dec, yellow fever, esp. Charleston SC, Natchez MS, New Orleans--1,208-1,233
- 37. 1818 -- yellow fever epidemics, esp. Charleston SC (115); New Orleans, LA (115) -- 234
- 38. 1819 -- yellow fever, esp. Charleston, Mobile, Natchez; most esp. New Orleans --2,871-3,019

- 39. 1820 -- May-Dec, yellow fever, Savannah GA/New Orleans/NYC/Philadelphia --1,335
- 40. 1821 -- summer-fall, yellow fever, esp. Norfolk, VA (~160); St Augustine, FL (172) -- ≥414
- 41. 1822 -- yellow fever, esp. late Sum-fall, esp. NOLA/Marietta OH/NYC/Pensacola³⁸¹--1,519-2,741
- 42. 1823 -- July-Nov 1, yellow fever, Key West/>32, Natchez, MS/337, New Orleans/239 -- >613
- 43. 1824 -- July-Nov, yellow fever, esp. Charleston SC (235); New Orleans LA (≥108) --364-373
- 44. 1825 -- yellow fever, esp. Mobile, Key West & Pensacola, NOLA, Natchez, Washington MS -- 428
- 45. 1827 -- yellow fever, esp. Charleston, SC (64) & New Orleans (109) epidemics -- ≥195
- 46. 1828 -- yellow fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150 -- 332
- 47. 1829 -- yellow fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA/900 --1,146

- 48. 1830 -- July-fall, yellow fever, Charleston SC (39) & especially New Orleans (132) -- 172
- 49. 1832 -- yellow fever outbreak, New Orleans, LA -- 400
- 50. 1833 -- Early Aug-early Nov, yellow fever epidemic, New Orleans, LA --1,000
- 51. 1834 -- yellow fever epidemic, New Orleans (≥95), LA; Charleston (49), SC -- 144
- 52. 1835 -- Aug-Sep, yellow fever, Charleston SC (25-26) New Orleans LA (284-289) --309-315
- 53. 1837 -- Aug-Nov, yellow fever epidemics, Mobile AL; New Orleans LA; Natchez MS --1,550-1,930
- 54. 1838 -- yellow fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)-- 376
- 55. 1839 -- June-Oct, yellow fever, SC, FL, GA, TX, esp. Mobile, Natchez, New Orleans--~2,764

- 56. 1840 -- yellow fever outbreak, Charleston, SC (22), New Orleans (3) -- 25
- 57. 1841 -- yellow fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston --3,498
- 58. 1842 -- July-Oct, yellow fever epidemics, Mobile, AL (66-77), New Orleans (211) --285-289
- 59. 1843 -- July-Nov, yellow fever, esp. Mobile AL (240-750), New Orleans (487-700) --758-1,481
- 60. 1844 -- yellow fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA (148)--590
- 61. 1846 -- yellow fever epidemic, New Orleans, LA (146-160); also Mobile AL (4) --151-165
- 62. 1847 -- yellow fever, esp. NOLA, also Galveston, Mobile, Pensacola, Vicksburg³⁸² --≥3,400
- 63. 1848 -- yellow fever, Mobile AL~76, New Orleans/850-872, NY Marine Hosp./12 --937-960
- 64. 1849 -- Aug-Dec, yellow fever, Charleston SC/125, Mobile AL/50, New Orleans/737 --912-944

- 65. 1850 -- Jan-Oct, yellow fever, esp. Jefferson/Orleans Parishes/New Orleans, LA and SC³⁸³-- 862

³⁸¹ Also includes 101 fatalities on the U.S. Frigate *Macedonian*, sailing in the Caribbean late Spring to mid-summer.

³⁸² Was in at least 10 Louisiana areas other than New Orleans; also in six known locations other than Vicksburg in Mississippi; was in Memphis, TN, and Brazos, Houston and Matamoras, Texas. Mostly late summer and fall.

³⁸³ Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.

- 66. 1851 -- yellow fever outbreak, New Orleans, LA -- 16
- 67. 1852 -- yellow fever, Charleston, New Orleans, Savannah -- 745
- 68. 1853 -- May-Dec, yellow fever, esp. AL/1293, LA/~15K, MS/1311 TX/871 --18,770-19,533
- 69. 1854 -- June-Dec, yellow fever, esp. Jacksonville, Charleston, Galveston, NOLA, Savannah --4,238
- 70. 1855 -- June-Nov, yellow fever, esp. New Orleans/2,670; Norfolk/Portsmouth, VA/3K --6,059
- 71. 1856 -- Aug-Sep, yellow fever, Charleston SC/212-266, New Orleans/74, NY/12 --304-358
- 72. 1857 -- June-Dec, yellow fever, Charleston SC, Jacksonville FL/127, New Orleans/199 -- 353
- 73. 1858 -- June-Dec, yellow fever, esp. Charleston SC; Galveston & Indianola; New Orleans/4855 --6,490
- 74. 1859 -- yellow fever epidemic, Galveston & Edinburgh TX; New Orleans, LA -- 290

Diseases -- YELLOW FEVER -- CHRONOLOGICAL -- continued

- 75. 1862 -- yellow fever, esp. Wilmington NC/>653; TX coast/≥328; Key West/86 --1,131-1,679
- 76. 1863 -- yellow fever, Pensacola, FL -- 200
- 77. 1864 -- yellow fever, esp. New Bern NC/1,359, Charleston, SC/700, Galveston, NOLA --2,414
- 78. 1866 -- Aug-Nov (esp.), yellow fever outbreaks, especially New Orleans, LA (185) -- 211
- 79. 1867 -- July-Dec, yellow fever, esp. New Orleans, Galveston/Houston; also AL/FL/MS/TN--10,012

- 80. 1870 -- May-Dec, yellow fever, esp. New Orleans/587 Mobile/173 Brunswick GA --1,038
- 81. 1871 -- July 30-Dec 18, yellow fever, esp. MS/143, Charleston SC/213, New Orleans/55-- 454
- 82. 1872 -- July 11-Nov 19, yellow fever outbreak, New Orleans, LA (39-40); 1 at sea --40-41
- 83. 1873 -- July-Dec, yellow fever, esp. Memphis, AL, Pensacola, Louisville, LA, TX--3542-3584
- 84. 1874 -- Aug 17-Nov 9, yellow fever, Pensacola, Warrington, Woolsey, FL/381; also N.O.-- 398
- 85. 1876 -- yellow fever, Savannah (also Brunswick), GA; also New Orleans & Baltimore --1,293
- 86. 1877 -- Aug-Nov, yellow fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL-- 263
- 87. 1878 -- June-Dec, yellow fever, esp. LA (esp. New Orleans), MS, TN (esp. Memphis) ~20,000
- 88. 1879 -- June-Dec, yellow fever, esp. Forest City, AR, Louisiana, MS, Memphis TN--682-786

- 89. 1880 -- yellow fever, July 16, beginning, Jacksonville, FL -- 34
- 90. 1882 -- yellow fever, Aug-Nov, Pensacola, FL -- 198
- 91. 1883 -- yellow fever, Aug 05-Nov 6, Brewton, AL, FL -- 74
- 92. 1887 -- yellow fever outbreaks, esp. Fernandina & Tampa, FL & New Orleans, LA -- 941
- 93. 1888 -- July-Dec, yellow fever epidemic, FL esp. Jacksonville/430; Decatur AL/35 -- 546

- 94. 1893 -- yellow fever, Sep, Fort Bayou, AL, FL, Brunswick, GA -- 61
- 95. 1897 -- Sep-Dec, yellow fever, esp. Mobile/48, New Orleans/298, MS, Memphis TN --~520
- 96. 1898 -- yellow fever outbreak, Sep 25-Oct 25, LA, especially New Orleans -- 89
- 97. 1899 -- yellow fever outbreak, Jacksonville, FL -- 65

- 98. 1905 -- May 21-Nov, yellow fever, esp. LA (esp. New Orleans/455), Pensacola, MS --1,131

- 1972 -- yellow fever, Indiana -- 2

Diseases – OTHER – By Mortality

21. 1940 -- **syphilis**, US death rate 14.4 per 100K pop, esp. FL DC AZ DE MS MD AL 19,006
22. 1804 -- epidemic, possibly **cholera** (or typhoid or plague) Natives, Oahu, Hawaii >3,000
23. 1967 -- **syphilis** --2,381
24. 1616 -- **unknown** epidemic, Natives, especially near coasts of MA, ME, RI --thousands

25. 1809 -- **disease/illness**, May-Feb 1810, U.S. Army, MS -- 656
26. 1609-10 --winter, **starvation, disease**, attack, Jamestown Colony, VA³⁸⁴ >400-440
27. 1585, June-June 1586 -- **disease**, Natives visited by English from Roanoke Colony NC--≥360
28. 1998 -- **infectious colitis/enteritis/gastroenteritis**, ICD-9 code 009.0, death rate 0.124 per 100K--342
29. 1538-1539, **unknown** epidemic, “Cofitachequi”³⁸⁵ Natives, central SC hundreds
30. 1616-17 – **unknown** epidemic, Native Americans, Maine ≥hundreds
31. 1822 -- summer, “**bilious [“intermittent”] fever**” epidemic, Louisville, KY³⁸⁶ --140-232

32. 1814-15 -- winter, “**putrid sore throat**” epidemic, eastern VA, esp. Northern Neck VA-- >100

33. 1607 -- July-Dec, **disease** and **famine/starvation**, Jamestown Colony, VA³⁸⁷ -- 66
34. 1976 -- Nov-Jan 77, **Guillain-Barré syndrome** outbreak, some blamed on swine flu vaccine--58
35. 1753-54 -- Dec-Jan (2 mo.), **unknown** epidemic fever, Holliston (pop. ~80 families), MA-- 43
36. 1715 -- “**malignant disease**,” Plymouth, MA -- 40
37. 1852 -- Nov/Dec, **unknown** epidemic, Natives, Hock Farm, Sutter County, CA³⁸⁸ -- 40
38. 2014 -- **enterovirus infection**, ICD-10 code B34.1, death rate 0.010 -- 31
39. 1712-13 -- Oct 1712-Sep 1713, “**malignant distemper**,” Waterbury, CT --21-30
40. 1736 -- July-Nov, epidemic (**scarlet fever or diphtheria?**), esp. children, Marblehead MA-- ~25
41. 1726 -- summer, **unknown** typhoid fever-like epidemic, Newent Parish, Norwich, CT-- ~20
42. 1741 -- Pre-April, “long” or “**lung**” fever, Sutton, MA (19), New London, CT (?) -- ≥19

³⁸⁴ Sources do not breakout causes of death, but do give impression that starvation was substantial. In that we do not know how many deaths from the total were attributable to disease, we cross-list here and in starvation.

³⁸⁵ Cofitachequi is the name the Spaniards of Hernando de Soto’s expedition gave to these natives. Some speculate they could have been Catawban. (Holleman, Joey. “The lost tribe of South Carolina.” *The State*, 7-5-2009.)

³⁸⁶ Have chosen to list separately from yellow fever entry for 1822 in that it was referred to as Bilious fever and in that it was not included in books and reports which discussed yellow fever in 1822 by George Augustin, J.M. Keating, John Monette, George M. Sternberg (U.S. Public Health Svc.), and the U. S. Marine-Hospital Service.

³⁸⁷ Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.

³⁸⁸ Our use of Nov/Dec in the dating is speculative. The source is the Sacramento *Union* of Dec. 13 and 17, 1852, noting fatalities during one month at John Augustus Sutter’s Hock Farm.

Diseases -- OTHER -- Chronological

1. 1538-1539, **unknown epidemic**, “Cofitachequi”³⁸⁹ Natives, central SC --hundreds
2. 1585, June-June 1586 -- **Disease**, Natives visited by English from Roanoke Colony NC ≥360
3. 1607 -- July-Dec, **Disease and Famine/Starvation**, Jamestown Colony, VA³⁹⁰ -- 66
4. 1609-10 winter, **Starvation, Disease, Attack**, Jamestown Colony, VA³⁹¹ >400-440
5. 1616-17 -- **epidemic**, Native Americans, Maine -->hundreds
6. 1712-13 -- Oct 1712-Sep 1713, “**Malignant Distemper**,” Waterbury, CT --21-30
7. 1726 -- summer, **unknown** typhoid fever-like epidemic, Newent Parish, Norwich, CT-- ~20
8. 1736 -- July-Nov, epidemic (**scarlet fever or diphtheria?**), esp. children, Marblehead MA-- ~25
9. 1741 -- Pre-April, “Long” or “**Lung**” fever,” Sutton, MA (19), New London, CT (?) -- ≥19
10. 1753-54--Dec-Jan (2 mo.), **unknown** epidemic fever, Holliston (pop. ~80 families), MA-- 43
11. 1804 -- **epidemic**, Possibly cholera (or typhoid or plague) Natives, Oahu, Hawaii -->3,000
12. 1809 -- **Disease/Illness**, May-Feb 1810, U.S. Army, MS -- 656
13. 1814-15 -- winter, “**Putrid Sore Throat**”? epidemic, eastern VA, esp. Northern Neck VA->100
14. 1822 -- summer, “**Bilious [“Intermittent”] fever**” epidemic, Louisville, KY --140-232
15. 1829-1834 (esp. 1833) -- **unknown epidemic**, West Coast Native Americans --6,500-22,000
16. 1852 -- Nov/Dec, **unknown epidemic**, Natives, Hock Farm, Sutter County, CA³⁹² -- 40
17. 1920 -- **mumps**, 33 registration states -- 152
18. 1940 -- syphilis, US death rate 14.4 per 100K pop, esp. FL DC AZ DE MS MD AL 19,006
19. 1976 -- Nov-Jan 77, **Guillain-Barré syndrome** outbreak, some blamed on swine flu vaccine--58
20. 1998 -- **infectious colitis/enteritis/gastroenteritis**, ICD-9 code 009.0, death rate 0.124 per 100K--342
21. 2014 -- **enterovirus infection** outbreak, ICD-10 code B34.1, death rate 0.010 -- 31

³⁸⁹ Cofitachequi is the name the Spaniards of Hernando de Soto’s expedition gave to these natives. Some speculate they could have been Catawban. (Holleman, Joey. “The lost tribe of South Carolina.” *The State*, 7-5-2009.)

³⁹⁰ Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.

³⁹¹ Sources do not breakout causes of death, but do give impression that starvation was substantial. In that we do not know how many deaths from the total were attributable to disease, we cross-list here and in starvation.

³⁹² Our use of Nov/Dec in the dating is speculative. The source is the Sacramento *Union* of Dec. 13 and 17, 1852, noting fatalities during one month at John Augustus Sutter’s Hock Farm.

DROWNINGS, especially swimming (not related to watercraft) – By Fatalities

1. 1929 -- July 26-28 (Fri.-Sun.) heat wave, weekend drownings, MI/20-21, WI/18 --38-39
 2. 1899 -- Aug 06, gangplank fails, drownings, Mount Desert Ferry ~Bar Harbor, ME -- 20
 3. 1838 -- Nov 19, drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
 4. 1911 -- July 04, swimming drownings, greater Philadelphia, PA -- 12
 5. 1905 -- July 07, drownings, at Log Jam, Chippewa River, Little falls Dam, WI -- 11
 6. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA-- 11
 7. 1926 -- Aug 08, undertow drownings/large Lake Erie waves, Brant Beach/Farnham NY-- 11
 8. 1901 -- Jun 30, drownings NYC area (East, Harlem, Hudson, No. rivs.) Rockaway Beach--10
 9. 1911 -- June 24, swimming drownings (all children), Pensacola, FL -- 10
 10. 1927 -- July 18, drownings at beaches, Lake Michigan, Chicago vicinity, IL -- 10
 11. 1929 -- July 04, swimming drownings, Grand Haven State Park, MI -- 10
- 1911 -- July 04, swimming drownings, NYC, NY -- 9
- 1897 -- July 04, drownings in Lake Michigan during heat wave, Chicago area, IL -- 8
- 1942 -- May 31, fishermen drown, large Lake Erie Wave hits north coast of OH -- 7
- 1990 -- Feb 19, teenagers/3 fall through thin ice, four rescuers die, Lake Convict, CA -- 7
- 1956 -- Apr 08, Marine recruits drown, night swamp march, Ribbon Creek, Parris Isl., SC-- 6
- 1965 -- July 25, drownings, children wading, Ledges State Park south of Boone, IA -- 6
- 2010 -- Aug 02, drownings, non-swimmer teens; Red River, Shreveport, LA -- 6

DROWNINGS, especially swimming (not related to watercraft) – Chronological

1. 1838 -- Nov 19, drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
 - 1897 -- July 04, drownings in Lake Michigan during heat wave, Chicago area, IL -- 8
 2. 1899 -- Aug 06, gangplank fails, drownings, Mount Desert Ferry ~ Bar Harbor, ME -- 20
 3. 1901 -- Jun 30, drownings NYC area (East, Harlem, Hudson, No. rivs.) Rockaway Beach--10
 4. 1905 -- July 07, drownings, at Log Jam, Chippewa River, Little falls Dam, WI -- 11
 5. 1911 -- June 24, swimming drownings (all children), Pensacola, FL -- 10
 - 1911 -- July 04, swimming drownings, NYC, NY -- 9
 6. 1911 -- July 04, swimming drownings, greater Philadelphia, PA -- 12
 7. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA-- 11
 8. 1926 -- Aug 08, undertow drownings/large Lake Erie waves, Brant Beach/Farnham NY-- 11
 9. 1927 -- July 18, drownings at beaches, Lake Michigan, Chicago vicinity, IL -- 10
 10. 1929 -- July 04, drownings, Grand Haven State Park, MI -- 10
 11. 1929 -- July 26-28 (Fri.-Sun.) heat wave, weekend drownings, MI/20-21, WI/18 --38-39
- 1942 -- May 31, fishermen drown, large Lake Erie Wave hits north coast of OH -- 7
- 1956 -- Apr 08, Marine recruits drown, night swamp march, Ribbon Creek, Parris Isl., SC—6

Drownings (continued):

1965 -- July 25, drownings, children wading, Ledges State Park south of Boone, IA	--	6
1990 -- Feb 19, teenagers/3 fall through thin ice, four rescuers die, Lake Convict, CA	--	7
2010 -- Aug 02, drownings, non-swimmer teens; Red River, Shreveport, LA	--	6

DUST Bowl, Dust and Sand Storms – Deadliest American – By Mortality

1. 1930/39 -- Dust Bowl, TX and OK Panhandles -- 68
2. 1991 -- Nov 29, Dust Storm, Massive I-5 Pileup, Coalinga, CA³⁹³ -- 17
3. 1935 -- Mar 15-22, Dust Storms, MO, NE, NM, esp. KS/8 deaths, CO/6, TX/1 -- 15
4. 1945 -- July 14, USAAF B-29 crash in sandstorm, Kirtland Fld., Albuquerque NM³⁹⁴ -- 13
5. 1995 -- Apr 09, dust storm-related vehicle accidents, Bowie, AZ³⁹⁵ -- 10

- 1950 -- Mar 25 dust storms & auto accidents, TX (3), KS (4), NE (1) -- 8
- 2021 -- July 25, dust storm and I-15 vehicular pileup near Kanosh, UT -- 8
- 1999 -- Sep 25, I-84 pileup/dust storm/high wind/wheat field under plow ~Pendleton OR³⁹⁶--8
- 2017 -- June 19, dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM³⁹⁷-- 6
- 2022 -- July 15, dust storm, 21-vehicle pileup, I-90 near Hardin, Big Horn County, MT-- 6
- 2023 -- May 01, vehicular pileup in farm dust, high wind, I-55 north of Farmersville, IL-- 6
- 2009 -- Dec 22, dust storm, auto collisions, Casa Grande, south of Phoenix, AZ -- 3

DUST Bowl, Dust and Sand Storms – Deadliest American – Chronological

1. 1930/39 -- Dust Bowl, TX and OK Panhandles -- 68
2. 1935 -- Mar 15-22, dust storms, MO, NE, NM, esp. KS/8 deaths, CO/6, TX/1 -- 15

3. 1945 -- July 14, USAAF B-29 plane crash/sandstorm, Kirtland Fld., Albuquerque NM³⁹⁸-- 13

- 1950 -- Mar 25 dust storms & auto accidents, TX (3), KS (4), NE (1) -- 8

4. 1991 -- Nov 29, dust storm, massive I-5 pileup, Coalinga, CA³⁹⁹ -- 17
5. 1995 -- Apr 09, dust storm-related vehicle accidents, Bowie, AZ⁴⁰⁰ -- 10
- 1999 -- Sep 25, I-84 pileup/dust storm/high wind/wheat field under plow ~Pendleton OR⁴⁰¹--8

- 2009 -- Dec 22, dust storm, auto collisions, Casa Grande, south of Phoenix, AZ -- 3

- 2017 -- June 19, dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM⁴⁰²-- 6

- 2021 -- July 25, dust storm and I-15 vehicular pileup near Kanosh, UT -- 8
- 2022 -- July 15, dust storm, 21-vehicle pileup, I-90 near Hardin, Big Horn County, MT-- 6
- 2023 -- May 01, vehicular pileup in farm dust, high wind, I-55 north of Farmersville, IL-- 6

³⁹³ Cross-listed in Road Events.

³⁹⁴ Cross-listed in "Aviation."

³⁹⁵ Cross-listed in Road Events.

³⁹⁶ Cross-listed in Road Events.

³⁹⁷ Cross-listed in Road Events.

³⁹⁸ Cross-listed in "Aviation."

³⁹⁹ Cross-listed in Road Events.

⁴⁰⁰ Cross-listed in Road Events.

⁴⁰¹ Cross-listed in Road Events.

⁴⁰² Cross-listed in Road Events.

EARTHQUAKES – Deadliest American – By Mortality:

1. 1906 -- Apr 18, earthquake, fire, landslides, San Francisco & vicinity, CA⁴⁰³ --3,000-5,000
2. 1811 -- Dec 16-Feb 7, 1812, earthquakes, New Madrid, KY, TN, NE AR, MO --~379-1,000
3. 1946 -- Apr 01, earthquake/tsunami, Aleutian Islands, AK⁴⁰⁴ -- 170
4. 1964 -- Mar 27, earthquake & tsunamis, Prince William Sound, AK (also OR, CA) -- 143
--125 AK earthquake (15), tsunami (≥ 106), related (4) AK NG plane crash
-- 13 CA tsunami (11 Crescent City, 1 at Bolinas Bay and 1 Klamath Riv. mouth
-- 5 OR tsunami (4 Beverly Beach State Park and 1 tsunami-related at Seaside)
5. 1886 -- Aug 31, Charleston, SC earthquake, felt in 27 states and DC --100-124
6. 1933 -- Mar 10, earthquake, Long Beach, CA -- 120
7. 1918 -- Oct 11, earthquake, Northwestern Mona Passage, Puerto Rico -- 116
8. 1868 -- Apr 02, earthquake, Hawaii Island, HI⁴⁰⁵ -- 93
9. 1994 -- Jan 17, Northridge Earthquake, Los Angeles vicinity, CA --71-72
10. 1989 -- Oct 17, Loma Prieta Earthquake, San Francisco Bay Area, CA --66-68

11. 1971 -- Feb 9, mag. 6.6 San Fernando/Sylmar Earthquake, San Fernando area, CA --64-65
12. 1812 -- Dec 08, earthquake, Wrightwood/San Juan Capistrano, CA -- 42
13. 1868 -- Oct 21, earthquake, Hayward/San Francisco Bay-Area, CA -- 30
14. 1872 -- Mar 26 earthquake, Lone Pine, Owens Valley, Central CA --27-30
15. 1959 -- Aug 18, earthquake, rockfalls, landslides, campers killed, Hebgen Lake, MT -- 28
16. 1925 -- June 29, earthquake, Santa Barbara, CA -- 13
17. 1952 -- July 21, earthquake, Kern County, CA -- 12

- 1940 -- May 19, earthquake, Imperial Valley, CA -- 9
- 1949 -- Apr 13, earthquake, epicenter between Olympia and Tacoma, Puget Sound-area, WA-- 8

⁴⁰³ Cross-listed in Fire and in Landslides, in that there were a small number of deaths due to slides.

⁴⁰⁴ Cross-listed with Tsunamis

⁴⁰⁵ Landslide fatalities = 31, tsunami fatalities = 46. (USGS, Deaths in the United States from Earthquakes, 2008)

EARTHQUAKES – Deadliest American – CHRONOLOGICAL:

1. 1811 -- Dec 16-Feb 7, 1812, earthquakes, New Madrid, KY, TN, NE AR, MO --~379-1,000
2. 1812 -- Dec 08, earthquake, Wrightwood/San Juan Capistrano, CA -- 42
3. 1868 -- Apr 02, earthquake, Hawaii Island, HI⁴⁰⁶ -- 93
4. 1868 -- Oct 21, earthquake, Hayward/San Francisco Bay-Area, CA -- 30
5. 1872 -- Mar 26 earthquake, Lone Pine, Owens Valley, Central CA --27-30
6. 1886 -- Aug 31, Charleston, SC earthquake, felt in 27 states and DC --100-124
7. 1906 -- Apr 18, earthquake, fire, landslides, San Francisco & vicinity, CA⁴⁰⁷ --3,000-5,000
8. 1918 -- Oct 11, earthquake, Northwestern Mona Passage, Puerto Rico -- 116
9. 1925 -- June 29, earthquake, Santa Barbara, CA -- 13
10. 1933 -- Mar 10, earthquake, Long Beach, CA -- 120
- 1940 -- May 19, earthquake, Imperial Valley, CA -- 9
11. 1946 -- Apr 01, earthquake/tsunami, Aleutian Islands, AK⁴⁰⁸ -- 170
- 1949 -- Apr 13, earthquake, epicenter between Olympia and Tacoma, Puget Sound-area, WA-- 8
12. 1952 -- July 21, earthquake, Kern County, CA -- 12
13. 1959 -- Aug 18, earthquake, rockfalls, landslides, campers killed, Hebgen Lake, MT -- 28
14. 1964 -- Mar 27, earthquake & tsunamis, Prince William Sound, AK (also OR, CA) -- 143
- 125 AK earthquake (15), tsunami (≥ 106), related (4) AK NG plane crash
- 13 CA tsunami (11 Crescent City, 1 at Bolinas Bay and 1 Klamath Riv. mouth
- 5 OR tsunami (4 Beverly Beach State Park and 1 tsunami-related at Seaside)
15. 1971 -- Feb 9, mag. 6.6 San Fernando/Sylmar Earthquake, San Fernando area, CA --64-65
16. 1989 -- Oct 17, Loma Prieta Earthquake, San Francisco Bay Area, CA --66-68
17. 1994 -- Jan 17, Northridge Earthquake, Los Angeles vicinity, CA --71-72

⁴⁰⁶ Landslide fatalities = 31, tsunami fatalities = 46. (USGS, Deaths in the United States from Earthquakes, 2008)

⁴⁰⁷ Cross-listed in Fire and in Landslides, in that there were a small number of deaths due to slides.

⁴⁰⁸ Cross-listed with Tsunamis

ENVIRONMENTAL SMOG/POLLUTION – Deadliest American – By MORTALITY

1. 1953 -- Nov 12-23, Smog, New York City --150-260
2. 1966 -- Nov 23-25, Thanksgiving weekend Smog, New York City, NY -- 168
3. 1948 -- Oct 26-31, Industrial Smog/Pollution, Donora (and Webster), PA⁴⁰⁹ --20-22

⁴⁰⁹ These were deaths during the week of Oct 26-31. Deaths were higher than expected for several months.

EXPLOSIONS -- Master Set -- Deadliest American -- By MORTALITY

Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)

1. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX⁴¹⁰ --581-600
2. 1944 -- Nov 10, explosion, USS *Mount Hood*, Seeadler Harbor, Manus Island⁴¹¹ --372-378
3. 1945 -- Apr 09, US freighter *Charles Henderson* explodes, bombs being unloaded, Bari, Italy--360
--39-42 US Merchant Marine crew
--12-14 US Naval Armed Guard
-- 267 Italian workers
-- ? British Army sappers supervising work of Italian stevedores
-- ? unknown number of other Allied military personal⁴¹²
4. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA⁴¹³ --320-325
5. 1937 -- Mar 18, natural gas explosion, consolidated school, New London, TX --311-319
6. 1865 -- May 25, Mobile Magazine explosion, Mobile, AL -- 300
7. 1864 -- July 30, Federal powder explosion underneath Rebel redoubt, Petersburg, VA -- 278
8. 1898 -- Feb 15, battleship *USS Maine* magazine explosion, Havana Hbr., Cuba⁴¹⁴ --263-268
9. 1865 -- Feb 18, gunpowder explosion/fire, Northeastern RR Depot, Charleston SC⁴¹⁵--150-200
10. 1918 -- May 18, Aetna Chemical Co. Munitions Plant explosion, Oakdale, PA -- 193

11. 1995 -- Apr 19, terrorism, Alfred P. Murrah Federal Bldg. bombing, Oklahoma City⁴¹⁶-- 168
12. 1944 -- May 21, munitions explosion, West Loch, Pearl Harbor, HI -- 163
13. 1944 -- Oct 20, LNG tank explosions & fire, East Ohio Gas Co., Cleveland, OH⁴¹⁷ --128-136
14. 1967 -- July 29, rocket explosion and fire, USS *Forrestal*, Gulf of Tonkin ops.⁴¹⁸ -- 134
15. 1917 -- Apr 10, artillery shell munitions plant explosion (mostly girls), Eddystone, PA-- 133
16. 1918 -- Oct 04, Gillespie Co., shell loading plant explosion, Sayreville, NJ -- 100
17. 1864 -- May 26, torpedo mine explosion, Bachelor's Creek Station ~New Bern, NC --40-93
18. 1862 -- Sep 17, Allegheny Arsenal explosion & fire, Lawrenceville/Pittsburgh, PA --74-79
19. 1850 -- Feb 04, boiler explosion, Taylor & Co., Hague Street, Manhattan, NY⁴¹⁹ --60-75
20. 1963 -- Oct 31, bottled propane gas tank explosion, Indianapolis Coliseum, IN --74-75
21. 1895 -- Jan 15, fire & dynamite/powder explosions, two warehouses, Butte, MT --57-60
22. 1905 -- Mar 20, boiler explosion & fire, Grover & Co. Shoe Factory, Brockton, MA⁴²⁰-- 58
23. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD⁴²¹ -- 55
24. 1909 -- Jan 20, magazine explosion, water tunnel crib fire, Lake Michigan, ~ Chicago⁴²²-- 53
25. 1940 -- Sep 12, Hercules Powder/Munitions Co. explosion, Kenvil, NJ -- 52

⁴¹⁰ Cross-listed in Maritime.

⁴¹¹ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea. Cross-listed in Maritime.

⁴¹² We have not seen numbers for British and other Allied military personnel, but one source has total loss as 360.

⁴¹³ Cross-listed under Maritime.

⁴¹⁴ Cross-listed under Maritime.

⁴¹⁵ Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.

⁴¹⁶ Cross-listed in Violence and in Fire-Structural (almost 40% of victims died from fire and smoke inhalation).

⁴¹⁷ Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses

⁴¹⁸ Cross-listed under Maritime.

⁴¹⁹ Cross-listed under Fire, Structural.

⁴²⁰ Cross-listed under Fire.

⁴²¹ Cross-listed under Maritime.

⁴²² Cross-listed in Mines, Tunnels, Quarries.

26. 1942 -- June 05, munitions explosion, Elwood Ordnance Plant, Joliet, IL --48-52
 27. 1863 -- Mar 13, explosion, Confederate Ordnance Lab., Brown's Isl., Richmond VA --40-50
 28. 1918 -- July 02, Semet-Solvay Co. TNT Plant Fire, Explosion, Fire, Split Rock, NY -- 50

EXPLOSIONS – Master Set – Deadliest American -- By MORTALITY -- (continued)
Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)

29. 1862 -- Nov 05, explosion, Munitions “Laboratory” Arsenal, Jackson, MS --~40-48
 30. 1919 -- May 22, dust explosion & fire, Douglas Starch Works, Cedar Rapids, IA --43-44
 31. 1989 -- Apr 19, *USS Iowa* No. 2 turret explosion, near Puerto Rico -- 47
 32. 1915 -- Sep 27, rail tank car gasoline explosion, Ardmore, OK⁴²³ --40-44
 33. 1924 -- Jan 03, starch dust explosion, Corn Products Refining Company, Pekin, IL -- 42
 34. 1883 -- Sep 28, explosion, California Powder Works, Pinole, CA -- 41
 35. 1968 -- Apr 06, gas and gunpowder explosion, fire, Marting Arms, Richmond, IN⁴²⁴ -- 41
 36. 1818 -- Mar 19, Du Pont Gun Powder Mill explosion, Brandywine, DE -- 40
 37. 1829 -- June 4, magazine explos., steam frigate *Fulton*, Navy Yard, Brooklyn, NY⁴²⁵ --24-40
 38. 1883 -- Jan 21, explosions, Giant Powder-Works, Point Clement, near Oakland, CA --30-40
 39. 1895 -- Nov 06, *Evening Journal* building boiler explosion and fire, Detroit, MI --37-40
 40. 1911 -- Mar 09, gunpowder explosion, Laffin Rand Powder Co., Pleasant Prairie, WI -- 40
 41. 1928 -- Apr 13, explosion/bldg. collapse & fire, Bond Dance Hall, West Plains MO --37-40
 42. 1973 -- Feb 10, fire/gas explosion/LNG tank concrete roof fails, Staten Island NY⁴²⁶ -- 40

 43. 1972 -- Feb 01, gas explosion (lightning?), tanker *V.A. Fogg*, off Galveston, TX⁴²⁷ -- 39
 44. 1912 -- Mar 18, boiler explosion, train engine, South Pacific Yard, San Antonio TX⁴²⁸-- 36
 45. 1977 -- Dec 22, dust explosion, grain elevator, Westwego, La -- 36
 46. 1911 -- Feb 01, dynamite explosion, Central Rail of NJ Terminal, Communipaw, NJ --24-35
 47. 1953 -- Apr 16, aluminum dust explosion/fire, Haber Corp. Metalworking, Chicago IL-- 35
 48. 1904 -- Apr 13, magazine explosion, battleship *Missouri*, off Pensacola, FL⁴²⁹ --32-34
 49. 1907 -- Jan 09, explosion, Eliza Furnaces, Jones & Laughlin Steel, Pittsburgh, PA --12-34
 50. 1907 -- Jan 19, train car explosion (powder), Big Four Railroad, Sandford, IN⁴³⁰ --29-34
 51. 1913 -- June 24, dust explosion, Husted Milling Feed Plant, Buffalo, NY -- 33
 52. 1996 -- Nov 21, propane gas explosion, Commercial Building, San Juan, Puerto Rico -- 33
 53. 1915 -- Nov 30, explosion, Upper Hagley Yard, du Pont Powder Co., ~Wilmington, DE-- 31
 54. 1942 -- Mar 26, Sandts Eddy Limestone Quarry dynamite explosion, Easton, PA -- 31
 55. 1950 -- May 19, munitions being moved explode, Raritan River Pier, South Amboy, NJ-- 31
 56. 1845 -- July 19, fire and explosion, New, Broad, Beaver, Broadway Streets, NYC, NY⁴³¹--30
 57. 1901 -- Nov 26, boiler explosion and fire, Penberthy Injector Company, Detroit, MI --29-30

⁴²³ Cross-listed in Hazardous Materials and in Rail.

⁴²⁴ Cross-listed under Fire, Structural.

⁴²⁵ Cross-listed in Maritime.

⁴²⁶ Cross-listed in Fire and Structural/Construction. This was an LNG tank which was being cleaned and worked-on.
 A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

⁴²⁷ Cross-listed under Lightning and Maritime.

⁴²⁸ Cross-listed in Rail.

⁴²⁹ Cross-listed in Maritime.

⁴³⁰ Cross-listed in Rail.

⁴³¹ Cross-listed in Fire.

58. 1908 -- Feb 20, nitroglycerin explosion, Hercules Powder Works, Pinole, CA --28-30
 59. 1943 -- Sep 17, depth charge explosion, Naval Air Station, Norfolk, VA --26-30

EXPLOSIONS -- Master Set -- Deadliest American -- By MORTALITY -- (continued)
Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)

60. 1902 -- May 12, explosion, freight train oil and naphtha cars, Sheraden, PA⁴³² --20-29
 61. 1971 -- Feb 3, Thiokol Chemical Plant fire and trip flares explosion, Woodbine, GA -- 29
 62. 1919 -- Nov 22, stove explosion/fire/crushing, dance hall and store, Ville Platte LA⁴³³ --25-28
 63. 1927 -- Nov 14, natural gas tank explosion, Equitable Gas Company, Pittsburgh, PA -- 28
 64. 1867 -- Jun 06, Geasy & Ward's Cabinet Makers boiler explosion & Fire, Philly, PA --22-27
 65. 1869 -- Oct 01, boiler explosion, Power Hall, State Fair, Indianapolis, IN --21-~27
 66. 1880 -- Apr 16, explosion, Giant Powder Works, Berkeley, CA --22-27
 67. 1907 -- Oct 15, powder explosion, DuPont Powder Mill, Fontanet, IN -- 27
 68. 1841 -- Aug 20, fire, gunpowder explosion, carpenter's shop, Syracuse, NY⁴³⁴ -- 26
 69. 1895 -- Aug 19, boiler explosion and fire, Gumry Hotel, Denver, CO -- 25
 70. 1905 -- Sep 10, Rand Powder Mill explosions (powder, dynamite)/fire, Fairchance PA--19-25

 71. 1904 -- Feb 19, trains collide, dynamite explodes, Jackson Station, NV⁴³⁵ -- 24
 72. 1889 -- Feb 17, Park Central Hotel boiler explosion & collapse, Hartford, CT --21-23
 73. 1905 -- May 11, trains collide, blasting powder explosion, fire, SE Harrisburg, PA⁴³⁶ -- 23
 74. 1927 -- Apr 23, chemical explosions, fire / Briggs Manufacturing Co., Detroit, MI -- 23
 75. 1962 -- Oct 03, boiler explosion, NY Telephone Company building, Manhattan, NY -- 23
 76. 1989 -- Oct 23, ethylene gas leak explosion, Phillips Petroleum Co., Pasadena, TX⁴³⁷ -- 23
 77. 1903 -- July 29, powder/dynamite explosion and fire, U.S. Cartridge, Tewksbury, MA--20-22
 78. 1926 -- July 10, lightning/fire/explosions, USN Lake Denmark Arsenal, Dover, NJ⁴³⁸ --21-22
 79. 1955 -- Aug 10, explosion (sewer gas?) & fire, Gateway Restaurant, Andover, OH⁴³⁹ -- 22
 80. 1854 -- Mar 02 , boiler explosion/fire, Fales & Gray Railroad Car Works, Hartford, CT-- 21
 81. 1864 -- June 17, explosion/fire, Washington Arsenal, Greenleaf Pt.,⁴⁴⁰ District of Col. -- 21
 82. 1882 -- Feb 17, explosion, Jackson **Fireworks** Plant, Chester, PA --15-21
 83. 1904 -- Mar 02, boiler explodes, Hotel Darlington (under construction), Manhattan, NY-- 21
 84. 1928 -- Nov 08, explosion, fire, Preble Box Toe Co. Plant and house, Lynn, MA⁴⁴¹ --20-21
 85. 1949 -- Dec 14, natural gas explosion, Swift & Co. Packing House, Sioux City, IA -- 21
 86. 1956 -- Jan 17, gasoline explosion/fire, SS *Salem Maritime*, terminal, Rose Bluff, LA⁴⁴²-- 21
 87. 1965 -- Nov 24, natural gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA⁴⁴³ -- 21

⁴³² Cross-listed in Rail.

⁴³³ Cross-listed in Fires/Structural and in Violence/Tramplng.

⁴³⁴ Cross-listed in Fire-Structural in that the fire came first, and when the powder blew, killed mostly firefighters.

⁴³⁵ Cross-listed in Rail and in Hazardous Materials.

⁴³⁶ Cross-listed in Rail and in Hazardous Materials.

⁴³⁷ Cross listed in Structural.

⁴³⁸ Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.

⁴³⁹ Cross-listed in Fire-Structural.

⁴⁴⁰ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁴⁴¹ Cross-listed in Fire-Structural.

⁴⁴² Cross-listed in Hazardous Materials Transportation and in Maritime.

⁴⁴³ Cross-listed in Fire, Structural.

88. 1985 -- June 25, **fireworks** plant explosion, Hallett, OK -- 21

EXPLOSIONS – **Master Set** -- Deadliest American -- **By MORTALITY** -- (Cont.)
Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)

89. 1866 -- Apr 16, nitroglycerin explosion, Wells Fargo building, San Francisco, CA --15-20
90. 1867 -- Nov 8, boiler explosion, Reese & Co. Rolling-Mill, Pitt Township, PA --17-20
91. 1879 -- Feb 22, thrashing engine explosion during pump exhibition, Stockton, CA -- 20
92. 1887 -- Apr 23, boiler explosion, Passaic Rolling Mills, Paterson, NJ -- 20
93. 1898 -- Feb 09, fire & explosions, Chautauqua Lake Ice Co. bldg., Pittsburgh, PA⁴⁴⁴ --14-20
94. 1906 -- Sep 21, explosion, carload of dynamite, ~Southern Rail Depot, Jellico TN -- 7-20
95. 1924 -- March 1, Nixon Nitration Works explosion and fire, Nixon, NJ -- 20
96. 1943 -- Dec 7, US Navy planes collide, bomb falls, Marines on ground die, Maui, HI⁴⁴⁵-- 20
97. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE⁴⁴⁶-- 20
98. 1904 -- Sep 10, powder mill explosion, Fairchance, PA -- 19
99. 1930 -- May 08, Armour Meat Processing Plant gas explosion, St. Joseph, MO -- 19
100. 1956 -- July 29, fire/explosion, McKee tank farm, Shamrock Oil & Gas, ~Sun Ray TX⁴⁴⁷--19
101. 1972 -- Dec 15, coke oven gas explosion, Koppers Steel, Browns Isl., Weirton, WV-- 19
102. 1847 -- Apr 14, explosion, Du Pont Powder Works, Brandywine Ri., Wilmington, DE-- 18
103. 1878 -- May 02, Washburne Flour Mills flour dust explosion & fire,, Minneapolis MN-- 18
104. 1888 -- Aug 22, George Whiting Paper Mill fire & bleach explosion,, Neenah, WI⁴⁴⁸-- 18
105. 1926 -- Nov 19, Oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD⁴⁴⁹-18
106. 1951 -- Sep 17, Shell Refinery Dubbs 17 cracking unit explos./fire, Wood River, IL⁴⁵⁰-- 18
107. 1977 -- Dec 27, Farmers Export Grain Elevator dust explosion,, Galveston, TX -- 18
108. 1862 -- Mar 29, Samuel Jackson Cartridge Factory explos., Tenth & Reed, Philly, PA --15-17
109. 1901 -- June 21, **fireworks** explosion/fire, confectionery, Main Street, Paterson, NJ -- 17
110. 1902 -- Aug 20, explosion, wood digesters, Delaware Pulp Mills, Wilmington, DE -- 17
111. 1903 -- Mar 09, train wreck/fire, delayed oil/gasoline tanker explosion, Olean, NY⁴⁵¹-- 17
112. 1908 -- Oct 07, dust explosion and fire, grain elevator, Richford, VT -- 17
113. 1910 -- Dec 29, boiler explosion, Morewood Lake Ice Co., south of Pittsfield, MA -- 17
114. 1943 -- July 12, Nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL-- 17
115. 1944 -- May 11, explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA⁴⁵²-- 17
116. 1947 -- Feb 20, chemical explosion, O'Connor Electroplating Works, Los Angeles -- 17
117. 1948 -- Sep 07, dust explosion, E.J. Brach & Sons Candy Factory, Chicago, IL -- 17

⁴⁴⁴ Cross-listed in Fire, Structural. It is not clear whether the fire or the first explosion came first. Most fatalities were explosion-related – walls falling and building components failing.

⁴⁴⁵ Cross-listed in Aviation

⁴⁴⁶ Cross-listed in Fire-Structural.

⁴⁴⁷ Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.

⁴⁴⁸ Cross-listed in Fire, Structural.

⁴⁴⁹ Cross-listed in Maritime.

⁴⁵⁰ Cross-listed in Fire, Structural.

⁴⁵¹ Cross-listed in Rail.

⁴⁵² Cross-listed in Maritime.

118. 1963 -- Jan 02, Home Meat Packing Co. natural gas explosion, Terre Haute, IN -- 17
 119. 1965 -- Mar 04, Explosion/Fire, Natural Gas Pipeline, residential Natchitoches, LA -- 17
 120. 1971 -- Jun 24, Gas Explosion, Tunnel, California Water Project, Sylmar, CA -- 17
 121. 1984 -- July 24, Union Oil Co. refinery explosions and fire, Romeoville, IL⁴⁵³ -- 17

EXPLOSIONS – Master Set -- Deadliest American -- By MORTALITY -- (continued)
Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)

122. 1883 -- Aug 23, George-Whiting Paper Mill fire and explosion, Menasha, WI -- 16
 123. 1921 -- Sep 14, explosion/fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA --14-16
 124. 1944 -- Oct 21, USN LSMs 211/212 explosion/fire, Berth 223, LA Harbor, CA⁴⁵⁴ -- 16
 125. 1978 -- Feb 24, train derails Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN-- 16
126. 1860 -- Sep 21, building falls during fire and explosion, New Orleans, LA⁴⁵⁵ -- 15
 127. 1890 -- Sep 06, dynamite explosion, Nor. Pacific Freight Yard, Spokane falls, WA -- 15
 128. 1892 -- June 13, munitions explos., USS *Boston* crewmen, Mare Island Navy Yard, CA--15
 129. 1895 -- May 21, nitroglycerine explosions, California Powder Works, Pinole, CA -- 15
 130. 1898 -- Sep 20, grain dust explosion and fire, Union grain elevator, Toledo, OH --14-15
 131. 1901 -- Dec 19, blast furnace gas explosion, Jones & Laughlin Co., Pittsburgh, PA --10-15
 132. 1902 -- Nov 04, explosion of fireworks, Madison Square, NY, NY -- 15
 133. 1902 -- Nov 29, boiler explosion, Swift & Co. Power Plant, Chicago, IL --13-15
 134. 1912 -- Nov 25, corn starch dust explosion, Corn Products Co., Waukegan, IL⁴⁵⁶ --14-15
 135. 1921 -- June 12, lightning, gasoline storage tank explosion, Salt Lake City, UT⁴⁵⁷ -- 15
 136. 1924 -- Jan 28, dynamite explosion, Cumberland Hill, Manville, RI -- 15
 137. 1943 -- May 04, explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
 138. 1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV--14-15
 139. 1948 -- Sep 07, Brach candy factory fire, starch dust explosions and fire, Chicago, IL-- 15
 140. 1956 -- Aug 13, explosion, liquefied petroleum gas, Lariat Café, Monticello, UT -- 15
 141. 1960 -- Oct 04, explosion, Tenn. Eastman Chemical, Aniline Plant, Kingsport, TN -- 15
 142. 2005 -- Mar 23, BP America Refinery explosion, Texas City, TX -- 15
 143. 2013 -- Apr 17, explosion, Adair Grain and West Fertilizer Co., West, TX -- 15
144. 1881 -- Jan 6, Big Puddle boiler explosion, Allentown Rolling Mill Co., PA --13-14
 145. 1916 -- May 15, TNT explosion, DuPont Co., Repauno Works., Gibbstown, NJ --11-14
 146. 1917 -- Feb 02, gas explosion/fire, tenement buildings, Chicago, IL⁴⁵⁸ -- 14
 147. 1917 -- Dec 05, TNT explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA-- 8-14
 148. 1919 -- Sep 13, grain dust explosion, grain elevator, Kansas City, MO -- 14
 149. 1928 -- Feb 10, explosion and fire, Beacon Oil Co. Refining Plant, Everett, MA⁴⁵⁹ -- 14
 150. 1932 -- Mar 09, explosion, NJ Public Service Co. Gas Plant, South Camden, NJ -- 14

⁴⁵³ Cross-listed in Fire-Structural, though fires were started by the explosions.

⁴⁵⁴ Cross listed in Maritime.

⁴⁵⁵ Cross-listed in Fires-Structural.

⁴⁵⁶ Fourteen explosion/fire worker deaths. Young pregnant woman searching for body of relative she had been told had been killed (incorrectly) fainted at undertakers upon seeing mutilated bodies; died several days later in hospital.

⁴⁵⁷ Cross listed in Lightning.

⁴⁵⁸ Cross listed in Fires-Structural.

⁴⁵⁹ Cross-listed in Fires-Structural. Most deaths were from the explosion and a few from the resulting fire.

151. 1946 -- Feb 02, explosion/fire, Jennings Hall Home for Aged, Garfield Heights, OH-- 14
 152. 1951 -- Feb 08, LPG vapor explosion, Minnesota Mining & Mfg., St. Paul, MN -- 14
 153. 1959 -- Aug 07, building fire, parked truck dynamite explosion, Roseburg, OR⁴⁶⁰ -- 14
 154. 1973 -- Feb 02, natural gas explosion, hardware store and cafe, Eagle Grove, IA -- 14

EXPLOSIONS – Master Set -- Deadliest American -- By MORTALITY -- (continued):
Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)

155. 1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY⁴⁶¹ -- 13
 156. 1891 -- Sep 24, fireworks mortar explodes, Feast of St. Rocco Party, Newark, NJ -- ≥13
 157. 1898 -- Apr 26, California Powder Works explosions, near Santa Cruz, CA --11-13
 158. 1901 -- Aug 19, fire, dynamite explosion, M. & M. Roundhouse, ~Herkimer, NY -- 6-13
 159. 1902 -- Feb 5, gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL--11-13
 160. 1910 -- May 17, boiler explosion, American Sheet and Tin Plate Co., Canton OH -- 13
 161. 1920 -- Oct 31, explosion and fire, Niagara falls Power Company, N. Tonawanda, NY-- 13
 162. 1921 -- Jan 24, gasoline explosion, parked rail tank car, Memphis, TN -- 13
 163. 1940 -- Dec 17, natural gas explosion, mercantile & apartment bldg., Cincinnati, OH-- 13
 164. 1941 -- Dec 12, explosion, Melt Unit, Iowa Ordnance Plant, Burlington, IA -- 13
 165. 1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR⁴⁶²-13
 166. 1973 -- July 5, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ⁴⁶³-- 13
 167. 1976 -- Aug 12, ethyl benzene explosion, Tenneco Oil Refinery tower, Chalmette, LA-- 13
168. 1860 -- Sep 24, boiler explosion, W. W. Wallace Marble Works, Pittsburgh, PA --10-12
 169. 1890 -- Mar 27, starch dust explosion and fire, Chicago Sugar Refinery, Chicago, IL-- 12
 170. 1896 -- Sep 01, powder explosion, Hercules Powder Works, Pinole, CA -- 12
 171. 1897 -- July 06, wheat thrashing machine boiler explosion, Hartsville area, TN -- 9-12
 172. 1911 -- Feb 08, boiler explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
 173. 1917 -- June 13, sugar dust explosion/fire, Amer. Sugar Refining Plant, Brooklyn, NY-- 12
 174. 1919 -- Jan 07, explosion and fire, Film Exchange, Penn Ave., Pittsburgh, PA⁴⁶⁴ --10-12
 175. 1919 -- Aug 04, magazine explosion, U.S. Arsenal, Raritan, NJ -- 7-12
 176. 1923 -- May 09, explosion and fire, J.K. Hughes Co, McKie Oil Well, Corsicana, TX-- 12
 177. 1943 -- Aug 19, explosion, naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ-- 12
 178. 1944 -- Mar 13, anti-personnel surface mine explosion, Camp Robinson, Ark. -- 12
 179. 1945 -- May 25, firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD -- 12
 180. 1947 -- Apr 02, explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO⁴⁶⁵-- 12
 181. 1947 -- June 22, tankship *Markay* petrol. products loading vapor explos., LA, CA⁴⁶⁶--10-12
 182. 1953 -- Feb 12, fire, dynamite explosion, Hercules Powder Co., near Pinole, CA -- 12
 183. 1957 -- Dec 5, natural gas explosion/fire, five downtown businesses, Villa Rica, GA⁴⁶⁷-- 12
 184. 1959 -- June 2, collision/fire/explos., propane gas truck, near Deer Lake, east PA⁴⁶⁸--11-12

⁴⁶⁰ Cross-listed in Hazardous Materials Transportation.

⁴⁶¹ Cross-listed in Rail.

⁴⁶² Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.

⁴⁶³ Cross-listed in Hazardous Materials and in Rail.

⁴⁶⁴ Cross-listed in Fire-Structural.

⁴⁶⁵ Cross-listed in Fire-Structural.

⁴⁶⁶ Cross-listed in Maritime.

⁴⁶⁷ Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.

185. 1965 -- Aug 25, explosions (26)/fire, Du Pont Chemical Corp., near Louisville, KY⁴⁶⁹-- 12
 186. 1985 -- Dec 16, gas explosion, Rocky Mt. Natural Gas Co., Glenwood Springs CO -- 12
 187. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM⁴⁷⁰ -- 12

**EXPLOSIONS – Master Set -- Deadliest American -- By MORTALITY -- (continued):
 Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining)**

188. 1862 -- Nov 7, ammunition explosion, train car, near Lafourche station, Algiers,⁴⁷¹ LA--11
 189. 1889 -- Feb 25, powder explosion, squib (mining fuse) factory, Plymouth, PA -- 11
 190. 1901 -- Aug 18, blast furnace explosion, National Steel Co., Youngstown, OH -- 9-11
 191. 1903 -- Apr 23, Northwestern Star Oil Plant explosion, Minneapolis, MN --10-11
 192. 1904 -- Mar 31, explosion, Dickson Squib Factory, Priceburg, PA -- 11
 193. 1906 -- June 09, dynamite explosion, dynamite plant, Bausman's Hollow, PA -- 11
 194. 1910 -- July 10, artillery explosion, Fort Monroe, VA -- 11
 195. 1916 -- July 02, powder explosion, Aetna Explosives Co., Emporium, PA -- 11
 196. 1924 -- Aug 28, explosion, ammonia refrigeration tank, grocery, Des Moines, IA⁴⁷² -- 11
 197. 1924 -- Aug 29, gasoline tank explosion, People's Natural Gas, Pittsburgh, PA -- 11
 198. 1935 -- Oct 07, gas explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
 199. 1942 -- Nov 06, gunpowder explosion, Rochester Fire Works Co., East Rochester, NY-- 11
 200. 1943 -- Mar 24, fragmentation bombs explode, Portage Ordnance Depot, Portage, OH-- 11
 201. 1944 -- Dec 05, torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK -- 11
 202. 1947 -- July 29, butane gas explos./fire, Pauline's Beauty School, Harrisonburg, VA⁴⁷³-- 11
 203. 1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI-11
 204. 1953 -- Sep 23, explosions (4), Lucidol organic peroxides plant, Tonawanda, NY -- 11
 205. 1954 -- July 16, explos./fire/explos., Kent Defense/Fireworks Mfg., Chestertown, MD-- 11
 206. 1954 -- Oct 28, chemical explosion, Charles W. Berg Laboratories, Philadelphia, PA-- 11
 207. 1966 -- Jan 28, Paramount Hotel gas explosion and fire, Boston, MA⁴⁷⁴ -- 11
 208. 1967 -- Feb 15, explosion, Lone Star Army Ammunition Plant, near Texarkana, TX-- 11
 209. 1967 -- Feb 17, starch dust explosion, fire, Int. Latex Corp., Hawthorne, NJ -- 11
 210. 1980 -- July 24, chem. explos./fire, Vogue Metal Crafts/Metal Mfg., Queens NY⁴⁷⁵ -- 11
 211. 1983 -- May 27, explosion, illegal fireworks factory, Webb's Bait Farm ~Benton, TN-- 11
 212. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX⁴⁷⁶-- 11
 213. 2010 -- Apr 20, drill rig *Deepwater Horizon* Explosion, Gulf of Mex., ~50m, LA⁴⁷⁷-- 11
 214. 1865 -- Jun 09, ordnance building explosion/fire, train sparks, Chattanooga, TN⁴⁷⁸ -- ~10

⁴⁶⁸ Cross-listed in Road/Highway.

⁴⁶⁹ First explosion caused eleven deaths. Twelfth death was from burns several days later.

⁴⁷⁰ Cross-listed in Fire-Structural, and in Structural Failures.

⁴⁷¹ Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.

⁴⁷² Ten of the eleven died after the explosion from exposure to the ammonia fumes.

⁴⁷³ Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.

⁴⁷⁴ Cross-listed in Fire, Structural

⁴⁷⁵ Cross-listed in Fire, Structural

⁴⁷⁶ Cross-listed in Explosions in that the pipeline the fishing vessel *Northumberland* hit was not where it should have been, under the sea-floor, and the natural gas explosion and resulting fire on the boat led to the loss of life.

⁴⁷⁷ Cross-listed in Maritime

⁴⁷⁸ Cross-listed in Fire, Structural

EXPLOSIONS – **Master Set** -- **By MORTALITY** -- (continued):
Commercial/Gas/Industrial/Military/ (Excludes Aviation, Maritime Boiler & Mining):

215.	1866 -- Sep 12, boiler explosion, S&G Rork Sawing Mill, Albany, NY	--	10
216.	1873 -- Jun 29, powder explosion, McLaughlin & Root Building, Virginia City, NV	--	10
217.	1886 -- July 02, powder explosion, Atlantic Powder Works, near Drakesville, NJ	--	10
218.	1887 -- Nov 1, explosion/fire, Newman's Grocery Store/tenement, St. Louis, MO	--	8-10
219.	1892 -- Mar 21, E. Jordan Lumber Co. mill No. 2 boiler explosion, East Jordan, MI	--	7-10
220.	1894 -- Apr 07, fireworks factory explosion, Petersburg, VA	--	10
221.	1898 -- Feb 26, fire and explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI ⁴⁷⁹	--	10
222.	1900 -- July 04, fireworks explosion (children), Eighth Street, Philadelphia, PA	--	7-10
223.	1900 -- Oct 29, fire and explosions, Tarrant & Co. drug warehouse, NYC, NY ⁴⁸⁰	--	≥7->10
224.	1901 -- Mar 11, boiler explosion, Doremus Laundry, 458 W. Madison, Chicago, IL	--	~10
225.	1903 -- Apr 30, explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA	--	10
226.	1908 -- Aug 10, boiler explosion, Susquehanna Iron & Steel Co., York, PA	--	10
227.	1910 -- Dec 19, train crash/gas explosion, Grand Central Station yard, NY ⁴⁸¹	--	10
228.	1911 -- Feb 06, explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI	--	10
229.	1914 -- May 15, chemical explosion, Mexican Crude Rubber Co., Detroit, MI	--	10
230.	1916 -- Feb 16, gas explosion, Opera House collapse on Hitt Restaurant, Mexia, TX	--	9-10
231.	1916 -- May 15, dynamite blast, adjacent site, Crystal Rest. collapses, Akron, OH	--	9-10
232.	1919 -- Nov 17, oil tank explosion, Standard Oil Co., Hays, KS	--	10
233.	1930 -- Apr 03, explosions, Pennsylvania Fireworks Display Company, Devon, PA	--	10
234.	1932 -- Apr 14, natural gas explosion, State Office Building, Columbus, OH	--	10
235.	1933 -- June 02, oil explosion, Richfield Meandor Oil Refinery, Long Beach, CA	--	10
236.	1937 -- Feb 05, flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY ⁴⁸²	--	10
237.	1940 -- July 30, explosions/conflagration, R. M. Hollingshead plant, Camden, NJ	--	10
238.	1944 -- June 11, torpedo warheads explode, Naval Ammunition Depot, Oahu, HI	--	10
239.	1944 -- Sep 15, explosion, Naval Ammunition Depot, near Hastings, NE	--	9-10
240.	1944 -- Nov 21, car/truck collide, butane gas tank truck explosion, Denison, TX ⁴⁸³	--	10
241.	1946 -- June 21, explosion (postulated as natural gas), Baker Hotel, Dallas, TX	--	10
242.	1946 -- Oct 3, explosions/fire, alkylolation unit fractionating tower, Sun Oil Co., Marcus Hook, PA	--	10
243.	1948 -- May 17, Koppers Co., coal tar distillation plant tank explosion/fire, Kearny, NJ	--	10
244.	1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC ⁴⁸⁴	--	10
245.	1954 -- Oct 28, fumes/chemical tank explodes, Charles W. Berg Labs, Philadelphia, PA	--	10
246.	1956 -- Dec 3, Luckenbach Steamship Co. pier fire, detonators explode, Brooklyn, NY ⁴⁸⁵	--	10
247.	1957 -- Jan 29, vapor explosion, tanker <i>Jeanny</i> , Todd's Shipyard, Alameda, CA ⁴⁸⁶	--	10
248.	1958 -- May 22, US Army Nike-Ajax missile explosion, Battery B near Middleton, NJ	--	10
249.	1960 -- July 18, explosion (gas) and fire, J.C. Penney Co. Dept. Store, Merrill, WI	--	10
250.	1962 -- May 10, chemical reactor (acrylic polyamide) explosion, Toledo, OH	--	10

⁴⁷⁹ Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.

⁴⁸⁰ Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).

⁴⁸¹ Cross-listed in Rail.

⁴⁸² Cross-listed in Fire-Structural. Do not have a breakout of deaths due to explosion as opposed to follow-on fire.

⁴⁸³ Cross-listed in Hazardous Materials and in Road/Highway Vehicle Events.

⁴⁸⁴ Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.

⁴⁸⁵ Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.

⁴⁸⁶ Cross-listed in Maritime.

251. 1962 -- July 25, brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY⁴⁸⁷--10

Some select other explosions resulting in fewer than ten deaths:

1903 -- Mar 31, blast furnace explosion, Edgar Thomson Plant, Braddock, PA	--	9
1916 -- June 13, dust explosion, grain elevator, Central Elevator Co., Baltimore, MD	--	9
1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK ⁴⁸⁸	--	8-9
1937 -- Apr 10, Charles A Krause Milling Co. dust explosion & fire, Greenfield, WI	--	9
1937 -- Apr 18, pyrotol stored in Waszuk family basement explodes, Muskego, WI	--	9
1945 -- May 26, explosion, Pour Building, Cornhusker Ordnance Plant, Grand Island, NE	--	9
1946 -- July 18, butane gas explosion, Christy's Spa & 3 frame buildings, Onset, MA	--	9
1948 -- Dec 09, Kansas Power and Light Co., steam generating station explosions , Tecumseh KS	--	9
1954 -- Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV ⁴⁸⁹	--	9
1968 -- Jan 10, natural gas explosion demolishes two adjoining homes, Reading, PA	--	9
1970 -- Nov 11, liquid explosives explosion, Pan American Bird Creek test oil well ~Tulsa, OK	--	9
1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN ⁴⁹⁰	--	9
1901 -- Aug 05, gasoline tank explosion, grocery store cellar, Locust Street, Philadelphia PA	--	8
1921 -- Mar 18, explosion of fireworks , West & Co Warehouse, Chicago, IL	--	8
1940 -- Nov 28, natural gas explosion and fire, R. Gilbert Warehouse, Toppenish, WA	--	8
1943 -- Nov 16, mines explode, Naval Mine Depot warehouse, Yorktown, VA	--	7-8
1944 -- Apr 06, Naval Ammunition Depot explosion, near Hastings, NE	--	8
1945 -- Apr 11, chemicals explode/fire, Super Products Co. plant., Des Moines, IA	--	8
1972 -- Dec 9, natural gas leak explosion, two buildings collapse, downtown Clinton, MO	--	8
2010 -- Sep 09, Pacific Gas & Electric pipeline explosion and fire, San Bruno, CA	--	8
1927 -- Jan 26, gas explosion, Mormon recreation hall, basketball game, Turner, ID	--	7
1933 -- Mar 25, gasoline stove explosion under whisky still, home fire, ~Fargo, OK ⁴⁹¹	--	7
1934 -- June 04, dynamite explodes, Petty Geophysics Engineering crew, near Norman, OK	--	7
1942 -- Mar 07, car and ammo truck collide, fire, delayed explosion, near Selma, NC ⁴⁹²	--	7
1946 -- Feb 19, natural gas explosion and fire, apartment building, New Orleans, LA	--	7
1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL	--	7
1958 -- Jan 16, gas explosion, Merchants Ice and Cold Storage Co., Richmond, VA	--	7
1963 -- Mar 29, natural gas leak explosion, Supreme Cleaners, Tucson, AZ	--	7
1970 -- June 8, TNT explosion, demolition training, Green Berets killed, Fort Bragg, NC	--	7
1982 -- Jan 19, water heater explosion, Star Elementary School cafeteria, Spencer, OK	--	7
1998 -- Dec 11, explosion, Independence Professional Fireworks Co., Osseo, MI	--	7
2003 -- Feb 20, resin dust explosions and fire, CTA Acoustics, Corbin, Laurel County, KY	--	7
2010 -- Apr 02, explosion (heat exchanger), Tesoro Refinery, Anacortes, WA	--	7
2013 -- Mar 18, mortar explosion, Marines, Hawthorne US Army munitions depot, NV	--	7

⁴⁸⁷ Cross-listed in Road/Highway Vehicle Events.

⁴⁸⁸ Cross-listed in Hazardous Materials and in Road/Highway.

⁴⁸⁹ Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.

⁴⁹⁰ Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events.

⁴⁹¹ When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.

⁴⁹² The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
Cross-listed in Highway events.

Explosions – By Mortality – continued:

1897 -- Mar 04, natural gas explosion, Tremont and Boylston Streets, Boston, MA	--	6
1926 -- Apr 21, fire, sawdust explosion/fire, Marsh Wood Products Company, Milwaukee, WI	--	6
1938 -- Apr 04, grain dust explosion, nine-story grain elevator, New Orleans, LA	--	6
1945 -- Aug 29, aluminum dust explosion, Metals Disintegrating Co., Shrewsbury, MO	--	6
1949 -- Apr 10, explosion, propane gas furnace leak, St. Mary's Church, Marion, SD	--	6
1954 -- Apr 03, explosion and fire, kerosene poured in home stove, Glouster, OH ⁴⁹³	--	6
1959 -- Aug 18, service station fire and gasoline storage tank explosion, Kansas City, KS	--	6
1999 -- Feb 01, boiler explosion, Ford Motor's River Rouge complex, Dearborn, MI	--	6
2003 -- Jan 29, dust explosion, West Pharmaceutical Services Plant, Kinston, NC	--	6
1891 -- June 03, boiler explosion, Dusard Brothers' Saw Mill, near Fayetteville, IN	--	5
1892 -- May 21, explosion and fire, Aetna Pyrotechnic (fireworks) Co., Hartford, CT	--	5
1960 -- Nov 8, Synvar Corp. resin products plant dust explosion/fire, Wilmington, DE	--	5
1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV	--	5
1999 -- Mar 29, explosion, Independence Professional Fireworks Co., Osseo, MI	--	5
2001 -- Oct 3, explosions and fire, Pyro Design and Development near Rochester, IN	--	5
2002 -- May 16, fire and rubber dust explosion, Rouse Polymerics, Vicksburg, MS	--	5

⁴⁹³ Cross-listed in Fire-structural.

**EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL
Commercial/Industrial/Gas (Excludes Aviation, Maritime Boiler & Mining)**

1. 1818 -- Mar 19, Du Pont gun powder mill explosion, Brandywine, DE -- 40
2. 1829 -- Jun 4, Magazine Explos., Steam Frigate Fulton, Navy Yard, Brooklyn, NY⁴⁹⁴ --24-40
3. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter's shop, Syracuse, NY⁴⁹⁵ -- 26
4. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY⁴⁹⁶ -- 30
5. 1847 -- Apr 14, Explosion, Du Pont Powder Works, Brandywine Ri., Wilmington, DE-- 18
6. 1850 -- Feb 04, Boiler Explosion, Taylor & Co., Hague St., Manhattan, NY⁴⁹⁷ --60-75
7. 1854 -- Mar 02 , Boiler Explosion/Fire, Fales & Gray RR Car Works, Hartford, CT -- 21
8. 1860 -- Sep 21, Building falls during fire and explosion, New Orleans, LA⁴⁹⁸ -- 15
9. 1860 -- Sep 24, Boiler Explosion, W. W. Wallace Marble Works, Pittsburgh, PA --10-12
10. 1862 -- Mar 29, Samuel Jackson Cartridge Factory Explos., Tenth & Reed, Philly, PA--15-17
11. 1862 -- Sep 17, Allegheny Arsenal Explosion & Fire, Lawrenceville/Pittsburgh, PA --74-79
12. 1862 -- Nov 05, Explosion, Munitions "Laboratory" Arsenal, Jackson, MS -- ~40-48
13. 1862 -- Nov 7, Ammunition explosion, train car, near Lafourche station, Algiers,⁴⁹⁹ LA-- ~11
14. 1863 -- March 13, Explosion, Confederate Ordnance Lab., Brown's Isl., Richmond VA --40-50
15. 1864 -- May 26, Torpedo Mine Explos., Bachelor's Creek Station ~New Bern, NC --40-93
16. 1864 -- June 17, Explosion/fire, Washington Arsenal, Greenleaf Pt.,⁵⁰⁰ District of Col.-- 21
17. 1864 -- July 30, Federal Powder Explosion underneath Rebel Redoubt, Petersburg, VA-- 278
18. 1865 -- Feb 18, Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC⁵⁰¹--150-200
19. 1865 -- May 25, Mobile Magazine Explosion, Mobile, AL -- 300
20. 1865 -- Jun 9, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN⁵⁰² -- ~10
21. 1866 -- April 16, Nitroglycerin explosion Wells Fargo building, San Francisco, CA --15-20
22. 1866 -- Sep 12, Boiler Explosion, S&G Rork Sawing Mill, Albany, NY -- 10
23. 1867 -- June 6, Geasy & Ward's Cabinet Makers Boiler Explosion & Fire, Philly, PA --22-27
24. 1867 -- Nov 08, Boiler Explosion, Reese & Co. Rolling-Mill, Pitt Township, PA --17-20
25. 1869 -- Oct 01, Boiler Explosion, Power Hall, State Fair, Indianapolis, IN --21~27
26. 1873 -- Jun 29, Powder Explos., McLaughlin & Root Building, Virginia City NV -- 10
27. 1878 -- May 02, Flour Dust Explosion/Fire, Washburne Flour Mills, Minneapolis MN-- 18
28. 1879 -- Feb 22, Explosion, Thrashing Engine, Pump Exhibition, Stockton, CA -- 20
29. 1880 -- Apr 16, Explosion, Giant Powder Works, Berkeley, CA --22-27

⁴⁹⁴ Cross-listed in Maritime.

⁴⁹⁵ Cross-listed in Fire-Structural in that the fire came first, and when the powder blew, killed mostly firefighters.

⁴⁹⁶ Cross-listed in Fire.

⁴⁹⁷ Cross-listed under Fire, Structural.

⁴⁹⁸ Cross-listed in Fires, Structural.

⁴⁹⁹ Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.

⁵⁰⁰ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁵⁰¹ Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.

⁵⁰² Cross-listed in Fire, Structural

30. 1881 -- Jan 06, Big Puddle boiler explosion, Allentown Rolling Mill Co., PA --13-14
31. 1882 -- Feb 17, Jackson **Fireworks** Plant explosion, Chester, PA --15-21
32. 1883 -- Jan 21, Giant Powder-Works explosions, Point Clement, ~Oakland, CA --30-40
33. 1883 -- Aug 23, George-Whiting Paper Mill fire & explosion, Menasha, WI -- 16
34. 1883 -- Sep 28, California Powder Works explosion, Pinole, CA -- 41
35. 1886 -- July 02, Atlantic Powder Works powder explosion, near Drakesville, NJ -- 10
36. 1887 -- Apr 23, Passaic Rolling Mills boiler explosion, Paterson, NJ -- 20
37. 1887 -- Nov 01, explosion/fire, Newman's Grocery Store/tenement, St. Louis, MO -- 8-10
38. 1888 -- Aug 22, George Whiting Paper Mill fire & bleach explosion, Neenah, WI⁵⁰³ -- 18
39. 1889 -- Feb 17, Park Central Hotel boiler explosion & collapse, Hartford, CT --21-23
40. 1889 -- Feb 25, powder explosion, squib (mining fuse) factory, Plymouth, PA -- 11

EXPLOSIONS -- **Master Set** -- **Deadliest American** -- **CHRONOLOGICAL** -- **Cont.**

41. 1890 -- Mar 27, starch dust explosion and fire, Chicago Sugar Refinery, Chicago, IL -- 12
42. 1890 -- Sep 06, dynamite explosion, No. Pacific Freight Yard, Spokane falls, WA -- 15
43. 1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY⁵⁰⁴ -- 13
- 1891 -- June 03, Dusard Brothers' Saw Mill boiler explosion, near Fayetteville, IN -- 5
44. 1891 -- Sep 24, fireworks mortar explodes, Feast of St. Rocco celebration, Newark, NJ-- ≥13
45. 1892 -- Mar 21, East Jordan Lumber Co. mill No. 2 boiler explosion, East Jordan, MI -- 7-10
- 1892 -- May 21, explosion and fire, Aetna Pyrotechnic (fireworks) Co., Hartford, CT -- 5
46. 1892 -- June 13, munitions explos., USS *Boston* crewmen, Mare Island Navy Yard, CA-- 15
47. 1894 -- Apr 07, fireworks factory explosion, Petersburg, VA -- 10
48. 1895 -- Jan 15, fire & dynamite/powder explosions, two warehouses, Butte, MT --57-60
49. 1895 -- May 21, California Powder Works nitroglycerine explosions, Pinole, CA -- 15
50. 1895 -- Aug 19, boiler explosion and fire, Gumry Hotel, Denver, CO -- 25
51. 1895 -- Nov 06, *Evening Journal* building boiler Explosion and fire, Detroit, MI --37-40
52. 1896 -- Sep 01, Hercules Powder Works powder explosion, Pinole, CA -- 12
- 1897 -- Mar 04, natural gas explosion, Tremont and Boylston Streets, Boston, MA -- 6
53. 1897 -- July 06, wheat thrashing machine boiler explosion, Hartsville area, TN -- 9-12
54. 1898 -- Feb 09, fire & explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA⁵⁰⁵ --14-20
55. 1898 -- Feb 15, battleship *USS Maine* magazine explosion, Havana Hbr., Cuba⁵⁰⁶ --263-268
56. 1898 -- Feb 26, fire/explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI⁵⁰⁷ -- 10
57. 1898 -- Apr 26, California Powder Works explosions, near Santa Cruz, CA --11-13
58. 1898 -- Sep 20, grain dust explosion and fire, Union grain elevator, Toledo, OH --14-15

59. 1900 -- July 04, fireworks explosion (children), Eighth Street, Philadelphia, PA -- 7-10
60. 1900 -- Oct 29, fire and explosions, Tarrant & Co. Drug Warehouse, NYC, NY⁵⁰⁸ -->7->10

61. 1901 -- Mar 11, boiler explosion, Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10

⁵⁰³ Cross-listed in Fire, Structural.

⁵⁰⁴ Cross-listed in Rail.

⁵⁰⁵ Cross-listed in Fire, Structural. It is not clear whether the fire or the first explosion came first. Most of the fatalities were explosion-related – walls falling and building components failing.

⁵⁰⁶ Cross-listed under Maritime.

⁵⁰⁷ Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.

⁵⁰⁸ Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).

62. 1901 -- June 21, fireworks explosion/fire, Confectionery, Main Street, Paterson, NJ -- 17
 1901 -- Aug 05, gasoline tank explosion, grocery store cellar, Locust St. Philadelphia PA-- 8
 63. 1901 -- Aug 18, blast furnace explosion, National Steel Co., Youngstown, OH -- 9-11
 64. 1901 -- Aug 19, fire, dynamite explosion, M. & M. Roundhouse, ~Herkimer, NY -- 6-13
 65. 1901 -- Nov 26, boiler explosion and fire, Penberthy Injector Co., Detroit, MI --29-30
 66. 1901 -- Dec 19, blast furnace gas explosion, Jones & Laughlin Co., Pittsburgh, PA --10-15

EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL -- Cont.

67. 1902 -- Feb 05, Gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL --11-13
 68. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA⁵⁰⁹ --20-29
 69. 1902 -- Aug 20, Explosion, wood digester, Delaware Pulp Mills, Wilmington, DE -- 17
 70. 1902 -- Nov 04, Explosion of Fireworks, Madison Square, NY, NY -- 15
 71. 1902 -- Nov 29, Boiler Explosion, Swift & Co. Power Plant, Chicago, IL --13-15
 72. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY⁵¹⁰-- 17
 1903 -- Mar 31, Blast Furnace Explos., Edgar Thomson Plant, Braddock, PA -- 9
 73. 1903 -- Apr 23, Northwestern Star Oil Plant Explosion, Minneapolis, MN --10-11
 74. 1903 -- Apr 30, Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA -- 10
 75. 1903 -- Jul 29, Powder/Dynamite Explos./Fire, U.S. Cartridge, Tewksbury, MA --20-22
 76. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV⁵¹¹ -- 24
 77. 1904 -- Mar 02, Boiler Explodes, Hotel Darlington (under construct.), Manhattan, NY-- 21
 78. 1904 -- Mar 31, Explosion, Dickson Squib Factory, Priceburg, PA -- 11
 79. 1904 -- Apr 13, Magazine Explosion, Battleship *Missouri*, off Pensacola, FL⁵¹² --32-34
 80. 1904 -- Sep 10, Powder Mill Explosion, Fairchance, PA -- 19
 81. 1905 -- Mar 20, Boiler Explos./Fire, Grover & Co. Shoe Factory, Brockton, MA⁵¹³ -- 58
 82. 1905 -- May 11, Trains Collide, Blasting Powder Explosion, Fire, S. Harrisburg PA⁵¹⁴-- 23
 83. 1905 -- Sep 10, Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA --19-25
 84. 1906 -- Jun 09, Dynamite Explosion, Dynamite Plant, Bausman's Hollow, PA -- 11
 85. 1906 -- Sep 21, Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN -- 7-20
 86. 1907 -- Jan 09, Explosion, Eliza Furnaces, Jones & Laughlin Steel, Pittsburgh, PA --12-34
 87. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN⁵¹⁵ --29-34
 88. 1907 -- Oct 15, Powder Explosion, DuPont Powder Mill, Fontanet, IN -- 27
 89. 1908 -- Feb 20, Nitroglycerin Explosion, Hercules Powder Works, Pinole, CA --28-30
 90. 1908 -- Aug 10, boiler explosion, Susquehanna Iron & Steel Co., York, PA -- 10

⁵⁰⁹ Cross-listed in Rail.

⁵¹⁰ Cross-listed in Rail.

⁵¹¹ Cross-listed in Rail and in Hazardous Materials.

⁵¹² Cross-listed in Maritime.

⁵¹³ Cross-listed under Fire.

⁵¹⁴ Cross-listed in Rail and in Hazardous Materials.

⁵¹⁵ Cross-listed in Rail.

91. 1908 -- Oct 07, grain elevator dust explosion and fire, Richford, VT -- 17

EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL -- Cont.

92. 1909 -- Jan 20, magazine explosion, water tunnel crib fire, Lake Mich., ~Chicago, IL -- 53

93. 1910 -- May 17, boiler explosion, American Sheet and Tin Plate Co., Canton, OH -- 13

94. 1910 -- July 10, artillery explosion, Fort Monroe, VA -- 11

95. 1910 -- Dec 19, train crash and gas explosion, Grand Central Station yard, NY⁵¹⁶ -- 10

96. 1910 -- Dec 29, boiler explosion, Morewood Lake Ice Co., south of Pittsfield, MA -- 17

97. 1911 -- Feb 01, dynamite explosion, Central Rail of NJ Terminal, Communipaw, NJ --24-35

98. 1911 -- Feb 06, explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI -- 10

99. 1911 -- Feb 08, boiler explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12

100. 1911 -- Mar 09, gunpowder explosion, Laffin Rand Powder Co., Pleasant Prairie, WI-- 40

101. 1912 -- Mar 18, boiler explosion, train engine, So. Pacific Yard, San Antonio TX⁵¹⁷ -- 36

102. 1912 -- Nov 25, corn starch dust explosion, Corn Products Co., Waukegan, IL⁵¹⁸ --14-15

103. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD⁵¹⁹ -- 55

104. 1913 -- June 24, dust explosion, Husted Milling Feed Plant, Buffalo, NY -- 33

105. 1914 -- May 15, chemical explosion, Mexican Crude Rubber Company, Detroit, MI-- 10

106. 1915 -- Sep 27, rail tank car gasoline explosion, Ardmore, OK⁵²⁰ --40-44

107. 1915 -- Nov 30, explosion, Upper Hagley Yard, du Pont Powder Co., ~Wilmington, DE--31

108. 1916 -- Feb 16, gas explosion/Opera House collapses on Hitt Restaurant, Mexia, TX-- 9-10

109. 1916 -- May 15, dynamite blast, adjacent site, Crystal Rest. collapses, Akron, OH -- 9-10

110. 1916 -- May 15, TNT explosion, DuPont Co., Repauno Works., Gibbstown, NJ --11-14

1916 -- June 13, dust explosion, grain elevator, Central Elevator Co., Baltimore, MD-- 9

111. 1916 -- July 02, powder explosion, Aetna Explosives Company, Emporium, PA -- 11

112. 1917 -- Feb 02, gas explosion and fire, tenement buildings, Chicago, IL⁵²¹ -- 14

113. 1917 -- Apr 10, artillery shell munitions plant explosion (mostly girls), Eddystone, PA--133

114. 1917 -- June 13, sugar dust explosion/fire, Amer. Sugar Refining Plant, Brooklyn, NY-- 12

115. 1917 -- Dec 05, TNT explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA-- 8-14

116. 1918 -- May 18, Aetna Chemical Co. munitions plant explosion, Oakdale, PA -- 193

117. 1918 -- July 02, Semet-Solvay Co. TNT plant fire & explosion, Fire, Split Rock, NY-- 50

118. 1918 -- Oct 04, shell loading plant explosion, Gillespie Company, Sayreville, NJ -- 100

⁵¹⁶ Cross-listed in Rail.

⁵¹⁷ Cross-listed in Rail.

⁵¹⁸ Fourteen explosion/fire worker deaths. Young pregnant woman searching for body of relative she had been told had been killed (incorrectly) fainted at undertakers upon seeing mutilated bodies; died several days later in hospital.

⁵¹⁹ Cross-listed under Maritime.

⁵²⁰ Cross-listed in Hazardous Materials and in Rail.

⁵²¹ Cross listed in Fires, Structural.

EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL -- continued:

119. 1919 -- Jan 07, Film Exchange explosion and fire, Penn Ave., Pittsburgh, PA⁵²² --10-12
1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK⁵²³--8-9
120. 1919 -- May 22, dust explosion & fire, Douglas Starch Works, Cedar Rapids, IA --43-44
121. 1919 -- Aug 04, magazine explosion, U.S. Arsenal, Raritan, NJ -- 7-12
122. 1919 -- Sep 13, grain dust explosion, grain elevator, Kansas City, MO -- 14
123. 1919 -- Nov 17, oil explosion, oil tank, Standard Oil Company, Hays, KS -- 10
124. 1919 -- Nov 22, stove explosion/fire/crushing, dance hall/store, Ville Platte, LA⁵²⁴ --25-28
125. 1920 -- Oct 31, explosion and fire, Niagara falls Power Co., N. Tonawanda, NY -- 13
126. 1921 -- Jan 24, gasoline explosion, parked rail tank car, Memphis, TN -- 13
1921 -- Mar 18, explosion of fireworks, West & Company Warehouse, Chicago, IL -- 8
127. 1921 -- June 12, lightning, gasoline storage tank explosion, Salt Lake City, UT⁵²⁵ -- 15
128. 1921 -- Sep 14, explosion/fire, Atlantic Refining Co., Point Breeze, Philadelphia PA⁵²⁶ 14-16
129. 1923 -- May 09, explosion & fire, J.K. Hughes Co., McKie Oil Well, Corsicana, TX-- 12
130. 1924 -- Jan 03, starch dust explosion, Corn Products Refining Company, Pekin, IL -- 42
131. 1924 -- Jan 28, dynamite explosion, Cumberland Hill, Manville, RI -- 15
132. 1924 -- Mar 01, Nixon Nitration Works explosion and fire, Nixon, NJ -- 20
133. 1924 -- Aug 28, explosion, ammonia refrigeration tank, grocery, Des Moines, IA⁵²⁷ -- 11
134. 1924 -- Aug 29, gasoline tank explosion, People's Natural Gas, Pittsburgh, PA -- 11
1926 -- Apr 21, fire, sawdust explosion/fire, Marsh Wood Products Co., Milwaukee, WI-- 6
135. 1926 -- July 10, lightning/fire/explosion, USN Lake Denmark Arsenal, Dover, NJ⁵²⁸--21-22
136. 1926 -- Nov 19, oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD⁵²⁹--18
1927 -- Jan 26, gas explosion, Mormon recreation hall, basketball game, Turner, ID -- 7
137. 1927 -- Apr 23, chemical explosions, fire, Briggs Manufacturing Co., Detroit, MI -- 23
138. 1927 -- Nov 14, natural gas tank explosion, Equitable Gas Co., Pittsburgh, PA -- 28
139. 1928 -- Feb 10, explosion and fire, Beacon Oil Co. Refining Plant, Everett, MA⁵³⁰ -- 14
140. 1928 -- Apr 13, explosion/bldg. collapse/fire, Bond Dance Hall, West Plains, MO --37-40
141. 1928 -- Nov 08, explosion, fire, Preble Box Toe Co. Plant and house, Lynn, MA --20-21
142. 1930 -- Apr 03, explosions, Pennsylvania Fireworks Display Company, Devon, PA -- 10
143. 1930 -- May 08, Armour Meat Processing Plant gas explosion, St. Joseph, MO -- 19
144. 1932 -- Mar 09, explosion, NJ Public Service Co. Gas Plant, South Camden, NJ -- 14
145. 1932 -- Apr 14, natural gas explosion, State Office Building, Columbus, OH -- 10
1933 -- Mar 25, gasoline stove explosion under whisky still, home fire, ~Fargo, OK⁵³¹-- 7

⁵²² Cross-listed in Fire.

⁵²³ Cross-listed in Hazardous Materials and in Road/Highway.

⁵²⁴ Cross-listed in Fires/Structural and in Violence/Tramplng.

⁵²⁵ Cross listed in Lightning.

⁵²⁶ Cross-listed in Fire-Structural.

⁵²⁷ Ten of the eleven died after the explosion from exposure to the ammonia fumes.

⁵²⁸ Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.

⁵²⁹ Cross-listed in Maritime.

⁵³⁰ Cross-listed in Fires-Structural. Most deaths were from the explosion and a few from the resulting fire.

⁵³¹ When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.

146. 1933 -- June 2, oil explosion, Richfield Meador Oil Refinery, Long Beach, CA -- 10
 1934 -- May 08, Missouri Pacific grain elevator dust explosions & fire, St. Louis, MO-- 7
 1934 -- June 4, dynamite explodes, Petty Geophysics Engineering crew, ~Norman, OK-- 7
 147. 1935 -- Oct 07, gas explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
 148. 1937 -- Feb 5, flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY⁵³²-- 10
 149. 1937 -- Mar 18, natural gas explosion, consolidated school, New London, TX --311-319
 1937 -- Apr 10, Charles A Krause Milling Co. dust explosion & fire, Greenfield, WI-- 9
 1937 -- Apr 18, pyrotol stored in Waszuk family basement explodes, Muskego, WI -- 9
 1938 -- Apr 04, grain dust explosion, nine-story grain elevator, New Orleans, LA -- 6

EXPLOSIONS -- **Master Set** -- **Deadliest American** -- **CHRONOLOGICAL** -- continued:

150. 1940 -- July 30, explosions/conflagration, R. M. Hollingshead Plant, Camden, NJ -- 10
 151. 1940 -- Sep 12, Hercules Powder/Munitions Co. explosion, Kenvil, NJ -- 52
 1940 -- Nov 28, natural gas explosion & fire, R. Gilbert Warehouse, Toppenish, WA-- 8
 152. 1940 -- Dec 17, natural gas explosion, mercantile & apartment bldg., Cincinnati, OH-- 13
 153. 1941 -- Dec 12, explosion, melt unit, Iowa Ordnance Plant, Burlington, IA -- 13
 154. 1942 -- Mar 04, explosion, Iowa Ordnance Plant, Burlington, IA -- 22
 1942 -- Mar 07, car and ammo truck collide, fire, delayed explosion, ~Selma, NC⁵³³-- 7
 155. 1942 -- Mar 26, Sandts Eddy Limestone Quarry Dynamite Explosion, Easton PA -- 31
 156. 1942 -- June 05, Munitions Explosion, Elwood Ordnance Plant, Joliet, IL --48-52
 157. 1942 -- Nov 06, Gunpowder explosion, Rochester Fire Works Co., East Rochester, NY--11
 158. 1943 -- Mar 24, Fragmentation bombs explos., Portage Ordnance Depot, Portage, OH-- 11
 159. 1943 -- May 04, Explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
 160. 1943 -- July 12, Nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL-- 17
 161. 1943 -- Aug 19, Explosion, Naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ-- 12
 162. 1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA --26-30
 1943 -- Nov 16, Mines Explode, Warehouse, Naval Mine Depot, Yorktown, VA -- 7-8
 163. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI⁵³⁴-- 20
 164. 1944 -- Mar 13, Anti-Personnel Surface Mine Explosion, Camp Robinson, Ark. -- 12
 1944 -- Apr 06, Explosion, Naval Ammunition Depot, near Hastings, NE -- 8
 165. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA⁵³⁵-- 17
 166. 1944 -- May 21, Munitions Explosion, West Loch, Pearl Harbor, HI -- 163
 167. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI -- 10
 168. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA⁵³⁶ --320-325
 169. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE -- 9-10

⁵³² Cross-listed in Fire-Structural. Do not have a breakout of deaths due to explosion as opposed to follow-on fire.

⁵³³ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
 Cross-listed in Highway events.

⁵³⁴ Cross-listed in Aviation

⁵³⁵ Cross-listed in Maritime.

⁵³⁶ Cross-listed under Maritime.

170. 1944 -- Oct 20, LNG tank explosions/fire, East Ohio Gas Co., Cleveland, OH⁵³⁷ --128-136
 171. 1944 -- Oct 21, USN LSMs 211/212 explosion/fire, Berth 223, LA Harbor, CA⁵³⁸ -- 16
 172. 1944 -- Nov 10, explosion, USS *Mount Hood*, Seeadler Harbor, Manus Island⁵³⁹ --372-378
 173. 1944 -- Nov 21, car and truck collide, butane gas tank truck explosion, Denison, TX⁵⁴⁰-- 10
 174. 1944 -- Dec 05, torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK -- 11

EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL -- Cont.

175. 1945 -- Apr 09, US freighter *Charles Henderson* explos., bombs being unloaded, Bari, Italy-360
 --39-42 US Merchant Marine crew
 --12-14 US Naval Armed Guard
 -- 267 Italian workers
 -- ? British Army sappers supervising work of Italian stevedores
 -- ? unknown number of other Allied military personal⁵⁴¹
 1945 -- Apr 11, chemicals explode/fire, Super Products Co. plant., Des Moines, IA -- 8
 176. 1945 -- May 25, firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD -- 12
 1945 -- May 26, explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE-- 9
 1945 -- Aug 29, aluminum dust explosion, Metals Disintegrating Co., Shrewsbury, MO-- 6

 177. 1946 -- Feb 02, explosion/fire, Jennings Hall Home for Aged, Garfield Heights, OH-- 14
 1946 -- Feb 19, natural gas explosion and fire, apartment building, New Orleans, LA-- 7
 178. 1946 -- June 21, explosion (postulated as natural gas), Baker Hotel, Dallas, TX -- 10
 1946 -- July 18, butane gas explosion, Christy's Spa & 3 frame buildings, Onset, MA-- 9
 179. 1946 -- Oct 3, explosions/fire, alkylation unit fractionating tower, Sun Oil Co., Marcus Hook, PA--10

 180. 1947 -- Feb 20, chemical explosion, O'Connor Electroplating Works, Los Angeles CA-- 17
 181. 1947 -- Apr 02, explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO⁵⁴²-- 12
 182. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX⁵⁴³ --581-600
 183. 1947 -- June 22, tankship *Markay* petrol. products loading vapor explos., LA CA⁵⁴⁴ --10-12
 184. 1947 -- July 29, butane gas explos./fire, Pauline's Beauty School, Harrisonburg, VA⁵⁴⁵-- 11
 185. 1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV --14-15

 186. 1948 -- May 17, Koppers Co., coal tar distillation plant tank explosion/fire, Kearny, NJ--10
 187. 1948 -- Sep 07, Brach candy factory fire, starch dust explosions and fire, Chicago, IL-- 15
 1948 -- Dec 9, Kansas Power and Light Co., steam generating station explosions, Tecumseh KS--9

 188. 1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI-11
 1949 -- Apr 10, explosion, propane gas furnace leak, St. Mary's Church, Marion, SD-- 6

⁵³⁷ Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses

⁵³⁸ Cross listed in Maritime.

⁵³⁹ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea

⁵⁴⁰ Cross-listed in Hazardous Materials and in Highway/Vehicular.

⁵⁴¹ We have not seen numbers for British and other Allied military personnel, but one source has total loss as 360.

⁵⁴² Cross-listed in Fire-Structural.

⁵⁴³ Cross-listed in Maritime.

⁵⁴⁴ Cross-listed in Maritime.

⁵⁴⁵ Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.

189. 1949 -- Dec 14, natural gas explosion, Swift & Co. Packing House, Sioux City, IA -- 21

EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL -- continued:

190. 1950 -- May 19, munitions being moved explode, Raritan River Pier, South Amboy, NJ--31
191. 1951 -- Feb 08, LPG vapor explosion, Minnesota Mining & Mfg., St. Paul, MN -- 14
192. 1951 -- Sep 17, Shell Refinery Dubbs 17 cracking unit explos./fire, Wood River, IL⁵⁴⁶-- 18
193. 1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC⁵⁴⁷-- 10
194. 1953 -- Feb 12, fire, dynamite explosion, Hercules Powder Co., near Pinole, CA -- 12
195. 1953 -- Apr 16, Haber Corp. Metalworking aluminum dust explosion/fire, Chic., IL -- 35
196. 1953 -- Sep 23, explosions (4), Lucidol organic peroxides plant, Tonawanda, NY -- 11
1954 --Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV⁵⁴⁸-9
1954 -- Apr 03, explosion/fire, kerosene poured in home stove, Glouster, OH⁵⁴⁹ -- 6
1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL--7
197. 1954 -- July 16, explos./fire/explos., Kent Defense/fireworks Mfg., Chestertown, MD-- 11
198. 1954 -- Oct 28, fumes/chemical tank explodes, Charles W. Berg Labs, Philadelphia, PA--10
199. 1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR⁵⁵⁰-13
200. 1955 -- Aug 10, explosion (sewer gas?) & fire, Gateway Restaurant, Andover, OH⁵⁵¹-- 22
201. 1956 -- Jan 17, gasoline explosion/fire, SS *Salem Maritime*, terminal, Rose Bluff, LA⁵⁵²-21
202. 1956 -- July 29, fire/explosion, McKee tank farm, Shamrock Oil & Gas, ~Sun Ray TX⁵⁵³--19
203. 1956 -- Aug 13, explosion, liquefied petroleum gas, Lariat Café, Monticello, UT -- 15
204. 1956 -- Dec 3, Luckenbach Steamship Co. pier fire, detonators explode, Brooklyn, NY⁵⁵⁴-10
205. 1957 -- Jan 29, vapor explosion, tanker *Jeanny*, Todd's Shipyard, Alameda, CA⁵⁵⁵ -- 10
206. 1957 -- Dec 05, natural gas explosion/fire, five downtown businesses, Villa Rica, GA⁵⁵⁶--12
1958 -- Jan 16, gas explosion, Merchants Ice and Cold Storage Co., Richmond, VA -- 7
207. 1958 -- May 22, US Army Nike-Ajax missile explosion, Battery B ~Middleton, NJ -- 10
208. 1959 -- June 02, collision/fire/explosion, propane gas truck, ~Deer Lake, east PA⁵⁵⁷--11-12
209. 1959 -- Aug 07, bldg. fire leads to parked truck dynamite explosion, Roseburg, OR⁵⁵⁸-- 14
1959 -- Aug 18, service station fire/gasoline storage tank explosion, Kansas City, KS-- 6
210. 1960 -- July 18, explosion (gas) and fire, J.C. Penney Co. Dept. Store, Merrill, WI -- 10
211. 1960 -- Oct 04, explosion, Tenn. Eastman Chemical, Aniline Plant, Kingsport, TN -- 15
212. 1960 -- Nov 8, Synvar Corp. resin products plant dust explosion/fire, Wilmington, DE-- 5
213. 1962 -- May 10, explosion, Chemical Reactor (acrylic polyamide), Toledo, OH -- 10
214. 1962 -- July 25, brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY⁵⁵⁹--10

⁵⁴⁶ Cross-listed in Fire, Structural.

⁵⁴⁷ Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.

⁵⁴⁸ Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.

⁵⁴⁹ Cross listed in Fire-structural.

⁵⁵⁰ Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.

⁵⁵¹ Cross-listed in Fire-Structural.

⁵⁵² Cross-listed in Hazardous Materials Transportation and in Maritime.

⁵⁵³ Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.

⁵⁵⁴ Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.

⁵⁵⁵ Cross-listed in Maritime.

⁵⁵⁶ Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.

⁵⁵⁷ Cross-listed in Road/Highway.

⁵⁵⁸ Cross-listed in Hazardous Materials Transportation.

215. 1962 -- Oct 03, boiler explosion, NY Telephone Company building, Manhattan, NY-- 23
 216. 1963 -- Jan 02, Home Meat Packing Co. natural gas explosion, Terre Haute, IN -- 17
 1963 -- Mar 29, natural gas leak explosion, Supreme Cleaners, Tucson, AZ -- 7
 217. 1963 -- Oct 31, bottled propane gas tank explosion, Indianapolis Coliseum, IN --74-75
 218. 1965 -- Mar 04, explosion and fire, natural gas pipeline, residential Natchitoches, LA-- 17
 219. 1965 -- Aug 25, explosions (26)/fire, Du Pont Chemical Corp., near Louisville, KY⁵⁶⁰-- 12
 220. 1965 -- Nov 24, natural gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA⁵⁶¹-- 21
 221. 1966 -- Jan 28, Paramount Hotel gas explosion and fire, Boston, MA⁵⁶² -- 11
 222. 1967 -- Feb 15, explosion, Lone Star Army Ammunition Plant, near Texarkana, TX -- 11
 223. 1967 -- Feb 17, starch dust explosion and fire, Int. Latex Corp., Hawthorne, NJ -- 11
 224. 1967 -- July 29, rocket explosion and fire, USS *Forrestal*, Gulf of Tonkin ops.⁵⁶³ -- 134
 1968 -- Jan 10, natural gas explosion demolishes two adjoining homes, Reading, PA-- 9
 225. 1968 -- Apr 06, gas & gunpowder explosion and fire, Marting Arms, Richmond, IN⁵⁶⁴-- 41

EXPLOSIONS -- Master Set -- CHRONOLOGICAL -- continued:

- 1970 -- June 8, TNT explosion, demolition trng., Green Berets killed, Fort Bragg, NC-- 7
 1970 -- Nov 11, liquid explosives explos., Pan American Bird Creek test oil well ~Tulsa, OK-- 9
 226. 1971 -- Feb 3, Thiokol Chemical Plant fire and trip flares explosion, Woodbine, GA -- 29
 227. 1971 -- June 24, gas explosion in California Water Project tunnel, Sylmar, CA -- 17
 228. 1972 -- Feb 01, gas explosion (lightning?), tanker *V.A. Fogg*, off Galveston, TX⁵⁶⁵ -- 39
 229. 1972 -- Dec 09, natural gas leak explosion, two bldgs. collapse, downtown Clinton, MO-- 8
 230. 1972 -- Dec 15, coke oven gas explosion, Koppers Steel, Browns Isl., Weirton, WV -- 19
 231. 1973 -- Feb 02, natural gas explosion, hardware store and cafe, Eagle Grove, IA -- 14
 232. 1973 -- Feb 10, fire/gas explos./LNG tank, concrete roof falls, Staten Island, NY⁵⁶⁶ -- 40
 233. 1973 -- July 05, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ⁵⁶⁷-- 13
 234. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explos./fire, Fremont, NE⁵⁶⁸-- 20
 1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV-- 5
 235. 1976 -- Aug 12, ethyl benzene fumes explode, Tenneco oil refinery tower, Chalmette, LA-13
 236. 1977 -- Dec 22, dust explosion, grain elevator, Westwego, La -- 36
 237. 1977 -- Dec 27, dust explosion, Farmers Export Grain Elevator, Galveston, TX -- 18
 238. 1978 -- Feb 24, train derailment, LPG tank car explosion, Waverly, TN⁵⁶⁹ -- 16
 239. 1980 -- July 24, chem. explos./fire, Vogue Metal Crafts/Metgal Mfg., Queens NY⁵⁷⁰-- 11
 1982 -- Jan 19, water heater explosion, Star Elementary School cafeteria, Spencer, OK-- 7

⁵⁵⁹ Cross-listed in Road/Highway Vehicle Events.

⁵⁶⁰ First explosion caused eleven deaths. Twelfth death was from burns several days later.

⁵⁶¹ Cross-listed in Fire, Structural.

⁵⁶² Cross-listed in Fire, Structural

⁵⁶³ Cross-listed under Maritime.

⁵⁶⁴ Cross-listed under Fire, Structural.

⁵⁶⁵ Cross-listed under Lightning and Maritime.

⁵⁶⁶ Cross-listed in Fire and Structural/Construction. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

⁵⁶⁷ Cross-listed in Hazardous Materials and in Rail.

⁵⁶⁸ Cross-listed in Fire-Structural.

⁵⁶⁹ Cross listed in Hazardous Materials and in Rail.

⁵⁷⁰ Cross-listed in Fire, Structural.

240. 1983 -- May 27, explosion, illegal fireworks factory, Webb's Bait Farm ~Benton TN-- 11
 241. 1984 -- July 24, Union Oil Co. Refinery explosions and fire, Romeoville, IL⁵⁷¹ -- 17
 242. 1985 -- June 25, fireworks plant explosion, Hallett, OK -- 21
 243. 1985 -- Dec 16, gas explosion, Rocky Mt. Natural Gas Co., Glenwood Springs CO -- 12
 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN⁵⁷²-- 9
 244. 1989 -- Apr 19, USS Iowa No. 2 turret explosion, near Puerto Rico -- 47
 245. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX⁵⁷³-- 11
 246. 1989 -- Oct 23, ethylene gas leak explosion, Phillips Petroleum Co., Pasadena TX⁵⁷⁴-- 23

EXPLOSIONS -- Master Set -- CHRONOLOGICAL -- continued:

247. 1996 -- Nov 21, propane gas explosion, Commercial Bldg., San Juan, Puerto Rico -- 33
 1998 -- Dec 11, explosion, Independence Professional Fireworks Co., Osseo, MI -- 7
 1999 -- Feb 01, boiler explosion, Ford Motor's River Rouge complex, Dearborn, MI-- 6
 1999 -- Mar 29, explosion, Independence Professional Fireworks Co., Osseo, MI -- 5
 248. 2000 -- Aug 19, El Paso Natural Gas Pipeline rupture and fire, Carlsbad, NM⁵⁷⁵ -- 12
 2001 -- Oct 3, explosions and fire, Pyro Design and Development near Rochester, IN-- 5
 2002 -- May 16, fire and rubber dust explosion, Rouse Polymerics, Vicksburg, MS -- 5
 2003 -- Jan 29, dust explosion, West Pharmaceutical Services Plant, Kinston, NC -- 6
 2003 -- Feb 20, resin dust explosions & fire, CTA Acoustics, Corbin, Laurel Co., KY-- 7
 249. 2005 -- Mar 23, BP America Refinery explosion, Texas City, TX -- 15
 250. 2010 -- Apr 20, drill rig *Deepwater Horizon* explosion, Gulf of Mexico, ~50m, LA⁵⁷⁶-- 11
 2010 -- Sep 09, explosion and fire, Pacific Gas & Electric pipeline, San Bruno, CA -- 8
 2013 -- Mar 18, mortar explosion, Marines, Hawthorne US Army munitions depot, NV-- 7
 2010 -- Apr 02, explosion (heat exchanger), Tesoro Refinery, Anacortes, WA -- 7
 251. 2013 -- Apr 17, explosion, Adair Grain and West Fertilizer Co., West, TX -- 15

⁵⁷¹ Cross-listed in Fire-Structural, because fires were started by the explosions.

⁵⁷² Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events

⁵⁷³ Cross-listed in Explosions in that the pipeline the fishing vessel *Northumberland* hit was not where it should have been, under the sea-floor, and the natural gas explosion and resulting fire on the boat led to the loss of life.

⁵⁷⁴ Cross listed in Structural.

⁵⁷⁵ Cross-listed in Fire-Structural, and in Structural Failures.

⁵⁷⁶ Cross-listed in Maritime

**Explosions Subset – Blasting agents, dynamite, explosives, fireworks, gunpowder/munitions
(Excludes Mine Gas Explosions)**

1. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX⁵⁷⁷ --581-600
2. 1944 -- Nov 10, USS *Mount Hood* explosion, Seadler Harbor, Manus Island⁵⁷⁸ --372-378
3. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA⁵⁷⁹ --320-325
4. 1865 -- May 25, Mobile Magazine explosion, Mobile, AL -- 300
5. 1864 -- July 30, Federal powder explosion underneath Rebel redoubt, Petersburg, VA -- 278
6. 1898 -- Feb 15, battleship *USS Maine* magazine explosion, Havana Hbr., Cuba⁵⁸⁰ --263-268
7. 1865 -- Feb 18, gunpowder explosion/fire, Northeastern RR Depot, Charleston SC⁵⁸¹ --150-200
8. 1918 -- May 18, Aetna Chemical Co. munitions plant explosion, Oakdale, PA -- 193
9. 1995 -- Apr 19, terrorism, Alfred P. Murrah Federal Bldg. bombing, Oklahoma City⁵⁸²-- 168
10. 1944 -- May 21, munitions explosion, West Loch, Pearl Harbor, HI -- 163

11. 1967 -- July 29, Rocket Explosion and Fire, USS *Forrestal*, Gulf of Tonkin ops.⁵⁸³ -- 134
12. 1917 -- Apr 10, Artillery Shell Munitions Plant Explosion, Eddystone, PA -- 133
13. 1918 -- Oct 04, Gillespie Co., Shell Loading Plant Explosion, Sayreville, NJ -- 100
14. 1864 -- May 26, Torpedo Mine Explos., Bachelor's Creek Station ~New Bern, NC --40-93
15. 1862 -- Sep 17, Allegheny Arsenal Explosion & Fire, Lawrenceville/Pittsburgh, PA --74-79
16. 1895 -- Jan 15, fire & dynamite/powder explosions, two warehouses, Butte, MT --57-60
17. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD⁵⁸⁴ -- 55
18. 1909 -- Jan 20, Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~ Chicago, IL-- 53
19. 1940 -- Sep 12, Hercules Powder/Munitions Co. Explosion, Kenvil, NJ -- 52
20. 1942 -- June 5, Explosion, Elwood Ordnance Plant, Joliet, IL --48-52
21. 1863 -- Mar 13, Explosion, Confederate Ordnance Lab., Brown's Isl., Richmond VA --40-50
22. 1918 -- July 02, Semet-Solvay Co. TNT Plant Explosion/Fire, Split Rock, NY -- 50
23. 1862 -- Nov 05, Explosion, Munitions "Laboratory" Arsenal, Jackson, MS -- ~40-48
24. 1989 -- Apr 19, *USS Iowa* No. 2 Turret Explosion, near Puerto Rico -- 47
25. 1883 -- Sep 28, Explosion, California Powder Works, Pinole, CA -- 41
26. 1968 -- Apr 06, Gas & Gunpowder Explosion, Fire, Marting Arms, Richmond, IN⁵⁸⁵ -- 41
27. 1818 -- Mar 19, Du Pont Gun Powder Mill Explosion, Brandywine, DE -- 40
28. 1829 -- Jun 4, Magazine Explos., Steam Frigate *Fulton*, Navy Yard, Brooklyn, NY⁵⁸⁶ --24-40
29. 1883 -- Jan 21, Explosions, Giant Powder-Works, Point Clement, ~Oakland, CA --30-40
30. 1911 -- Mar 09, Gunpowder Explosion, Laffin Rand Powder Co., Pleasant Prairie, WI-- 40
31. 1911 -- Feb 01, Dynamite Explosion, Central Rail of NJ Terminal, Communipaw, NJ --24-35
32. 1907 -- Jan 19, train car explosion (powder), Big Four Railroad, Sandford, IN⁵⁸⁷ --29-34

⁵⁷⁷ Cross-listed in Maritime.

⁵⁷⁸ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea

⁵⁷⁹ Cross-listed under Maritime.

⁵⁸⁰ Cross-listed under Maritime.

⁵⁸¹ Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.

⁵⁸² Cross-listed in Violence and in Fire-Structural (almost 40% of victims died from fire and smoke inhalation).

⁵⁸³ Cross-listed under Maritime.

⁵⁸⁴ Cross-listed under Maritime.

⁵⁸⁵ Cross-listed under Fire, Structural.

⁵⁸⁶ Cross-listed under Maritime

⁵⁸⁷ Cross-listed in Rail.

33. 1904 -- Apr 13, magazine explosion, battleship *Missouri*, off Pensacola, FL --32-34
 34. 1915 -- Nov 30, explosion, Upper Hagley Yard, du Pont Powder Co., ~Wilmington, DE-- 31
 35. 1942 -- Mar 26, Sandts Eddy Limestone Quarry dynamite explosion, Easton, PA -- 31
 36. 1950 -- May 19, munitions being moved explode, Raritan River Pier, South Amboy, NJ-- 31
 37. 1845 -- July 19, fire and explosion, New, Broad, Beaver, Broadway Sts., NYC, NY⁵⁸⁸-- 30
 38. 1908 -- Feb 20, nitroglycerin explosion, Hercules Powder Works, Pinole, CA --28-30
 39. 1943 -- Sep 17, depth charge explosion, Naval Air Station, Norfolk, VA --26-30

**Explosions Subset – Blasting Agents, Dynamite, Fireworks, Gunpowder, Munitions
 (Excludes Mine Gas Explosions)**

40. 1971 -- Feb 3, Thiokol Chemical Plant fire and trip flares explosion, Woodbine, GA -- 29
 41. 1907 -- Oct 15, DuPont Powder Mill explosion, Fontanet, IN -- 27
 42. 1841 -- Aug 20, fire, gunpowder explosion, carpenter's shop, Syracuse, NY⁵⁸⁹ -- 26
 43. 1905 -- Sep 10, Rand Powder Mill explosions (powder, dynamite)/fire, Fairchance PA--19-25
 44. 1905 -- May 11, trains collide, blasting powder explosion, fire, S. Harrisburg, PA⁵⁹⁰ -- 23
 45. 1903 -- July 29, powder/dynamite explosion/fire, U.S. Cartridge, Tewksbury, MA --20-22
 46. 1926 -- July 10, lightning/fire/explosions, USN Lake Denmark Arsenal, Dover, NJ⁵⁹¹ --21-22
 47. 1864 -- June 17, explosion/fire, Washington Arsenal, Greenleaf Pt.,⁵⁹² District of Col.-- 21
 48. 1882 -- Feb 17, explosion, Jackson **Fireworks** Plant, Chester, PA --15-21
 49. 1866 -- Apr 16, nitroglycerin explosion, Wells Fargo building, San Francisco, CA --15-20
 50. 1906 -- Sep 21, explosion, carload of dynamite, ~Southern Rail Depot, Jellico TN -- 7-20
 51. 1942 -- Mar 04, explosion, Iowa Ordnance Plant, Burlington, IA -- 22
 52. 1943 -- Dec 07, Navy planes collide, bomb falls, Marines on ground die, Maui, HI⁵⁹³ -- 20
 53. 1847 -- Apr 14, explosion, Du Pont Powder Works, Brandywine Riv., Wilmington, DE-- 18
 54. 1862 -- Mar 29, Samuel Jackson Cartridge Factory explos., Tenth & Reed, Philly, PA --15-17
 55. 1901 -- June 21, **fireworks** explosion/fire, confectionery, Main Street, Paterson, NJ -- 17
 56. 1943 -- July 12, nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL -- 17
 57. 1944 -- May 11, explosion, Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA⁵⁹⁴--17
 58. 1890 -- Sep 06, dynamite explosion, No. Pacific Freight Yard, Spokane falls, WA -- 15
 59. 1892 -- June 13, munitions explos., USS *Boston* crewmen, Mare Island Navy Yard, CA-- 15
 60. 1895 -- May 21, nitroglycerine explosions, California Powder Works, Pinole, CA -- 15
 61. 1902 -- Nov 04, explosion of **fireworks**, Madison Square, NY, NY -- 15
 62. 1943 -- May 04, explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
 63. 1916 -- May 15, TNT explosion, DuPont Co., Repauno Works, Gibbstown, NJ --11-14
 64. 1917 -- Dec 05, TNT explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA -- 8-14
 65. 1959 -- Aug 07, bldg. fire leads to parked truck dynamite explosion, Roseburg, OR -- 14
 66. 1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY⁵⁹⁵ -- 13
 67. 1891 -- Sep 24, **fireworks** mortar explodes, Feast of St. Rocco celebration, Newark, NJ-- ≥13

⁵⁸⁸ Cross-listed under Fire, Structural.

⁵⁸⁹ Cross-listed under Fire, Structural.

⁵⁹⁰ Cross-listed under Rail

⁵⁹¹ Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.

⁵⁹² Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁵⁹³ Cross-listed under Aviation.

⁵⁹⁴ Cross-listed in Maritime.

⁵⁹⁵ Cross-listed in Rail.

68. 1898 -- Apr 26, California Powder Works explosions, near Santa Cruz, CA --11-13
 69. 1901 -- Aug 19, fire, dynamite explosion, M. & M. Roundhouse, ~Herkimer, NY -- 6-13

**Explosions Subset--Blasting Agents/Dynamite/Fireworks/Gunpowder/Munitions--by Mortality
 (Excludes Mine Gas Explosions) (continued)**

70. 1896 -- Sep 1, Powder Explosion, Hercules Powder Works, Pinole, CA -- 12
 71. 1919 -- Aug 4, Magazine Explosion, U.S. Arsenal, Raritan, NJ -- 7-12
 72. 1944 -- Mar 13, Anti-Personnel Surface Mine Explosion, Camp Robinson, Ark. -- 12
 73. 1945 -- May 25, Firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD -- 12
 74. 1947 -- Apr 02, Explosion and fire, Lawrence Brown **Fireworks** Plant, Clinton, MO⁵⁹⁶-- 12
 75. 1953 -- Feb 12, Fire, Dynamite Explosion, Hercules Powder Co., near Pinole, CA -- 12
76. 1862 -- Nov 7, Ammunition explosion, train car, near Lafourche station, Algiers,⁵⁹⁷ LA-- ~11
 77. 1889 -- Feb 25, Powder Explosion, Squib (Mining Fuse) Factory, Plymouth, PA -- 11
 78. 1904 -- Mar 31, Explosion, Dickson Squib Factory, Priceburg, PA -- 11
 79. 1906 -- Jun 09, Dynamite Explosion, Dynamite Plant, Bausman's Hollow, PA -- 11
 80. 1910 -- July 10, Artillery Explosion, Fort Monroe, VA -- 11
 81. 1916 -- July 2, Powder Explosion, Aetna Explosives Co., Emporium, PA -- 11
 82. 1942 -- Nov 06, Gunpowder explosion, Rochester **Fireworks** Co., East Rochester, NY -- 11
 83. 1943 -- Mar 24, Fragmentation bombs explos., Portage Ordnance Depot, Portage, OH -- 11
 84. 1944 -- Dec 05, Torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK -- 11
 85. 1954 -- July 16, Explos./fire/explos., Kent Defense/**Fireworks** Mfg., Chestertown, MD-- 11
 86. 1967 -- Feb 15, Explosion, Lone Star Army Ammunition Plant, ~Texarkana, TX -- 11
 87. 1983 -- May 27, explosion, illegal **fireworks** factory, Webb's Bait Farm ~Benton TN -- 11
88. 1865 -- June 09, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN⁵⁹⁸-- ~10
 89. 1886 -- July 02, Powder Explosion, Atlantic Powder Works, near Drakesville, NJ -- 10
 90. 1894 -- Apr 07, **Fireworks** Factory Explosion, Petersburg, VA -- 10
 91. 1900 -- July 04, **Fireworks** Explosion (children), Eighth Street, Philadelphia, PA -- 7-10
 92. 1903 -- Apr 30, Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA -- 10
 93. 1911 -- Feb 06, Explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI -- 10
 94. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH -- 9-10
 95. 1930 -- Apr 03, Explosions, Pennsylvania **Fireworks** Display Company, Devon, PA -- 10
 96. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI -- 10
 97. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE -- 9-10
 98. 1956 -- Dec 3, Luckenbach Steamship Co. pier fire, detonators explode, Brooklyn, NY⁵⁹⁹--10
 99. 1958 -- May 22, US Army Nike-Ajax missile explosion, Battery B ~Middleton, NJ -- 10

Other:

- 1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK -- 8-9
 1937 -- Apr 18, pyrotal stored in Waszuk family basement explodes, Muskego, WI -- 9

⁵⁹⁶ Cross-listed in Fire-Structural.

⁵⁹⁷ Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.

⁵⁹⁸ Cross-listed in Fire, Structural

⁵⁹⁹ Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.

1945 -- May 26, explosion, Pour Building, Cornhusker Ordnance Plant, Grand Island, NE-- 9
 1970 -- Nov 11, liquid explosives explosion, Pan American Bird Creek test oil well ~Tulsa, OK-- 9

Explosions Subset--Blasting Agents/Dynamite/Fireworks/Gunpowder/Munitions--by Mortality
(Excludes Mine Gas Explosions) (continued)

1943 -- Nov 16, mines explode, warehouse, Naval Mine Depot, Yorktown, VA -- 7-8
 1944 -- Apr 06, explosion, Naval Ammunition Depot, near Hastings, NE -- 8

 1934 -- May 08, Missouri Pacific grain elevator dust explosions & fire, St. Louis, MO -- 7
 1934 -- June 04, dynamite explodes, Petty Geophysics Engineering crew, near Norman, OK-- 7
 1942 -- Mar 07, car and ammo truck collide, fire, delayed explosion, ~Selma, NC⁶⁰⁰ -- 7
 1970 -- June 8, TNT explosion, demolition training, Green Berets killed, Fort Bragg, NC -- 7
 1998 -- Dec 11, explosion, Independence Professional Fireworks Co., Osseo, MI -- 7

 1920 -- Feb 26, aluminum plant dust explosion/female workers killed, Manitowoc, WI -- 6

 1892 -- May 21, explosion and fire, Aetna Pyrotechnic (Fireworks) Co., Hartford, CT -- 5
 1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV -- 5
 1999 -- Mar 29, explosion, Independence Professional Fireworks Co., Osseo, MI -- 5

⁶⁰⁰ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
 Cross-listed in Highway events.

**Explosions Subset – Blasting agents, dynamite, explosives, fireworks, gunpowder/munitions
(Excludes Mine Gas Explosions) -- Chronological**

1. 1818 -- Mar 19, Du Pont Gun Powder Mill explosion, Brandywine, DE -- 40
2. 1829 -- Jun 4, Magazine Explos., Steam Frigate *Fulton*, Navy Yard, Brooklyn, NY⁶⁰¹ --24-40
3. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter's shop, Syracuse, NY⁶⁰² -- 26
4. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY⁶⁰³ -- 30
5. 1847 -- Apr 14, Explosion, Du Pont Powder Works, Brandywine Ri., Wilmington, DE-- 18

6. 1862 -- Mar 29, Samuel Jackson Cartridge Factory Explos., Tenth & Reed, Philly, PA--15-17
7. 1862 -- Sep 17, Allegheny Arsenal Explosion & Fire, Lawrenceville/Pittsburgh, PA --74-79
8. 1862 -- Nov 05, Explosion, Munitions "Laboratory" Arsenal, Jackson, MS -- ~40-48
9. 1862 -- Nov 7, Ammunition explosion, train car, near Lafourche station, Algiers,⁶⁰⁴ LA-- ~11
10. 1863 -- March 13, Explosion, Confederate Ordnance Lab., Brown's Isl., Richmond VA --40-50
11. 1864 -- May 26, Torpedo Mine Explos., Bachelor's Creek Station ~New Bern, NC --40-93
12. 1864 -- June 17, Explosion/fire, Washington Arsenal, Greenleaf Pt.,⁶⁰⁵ District of Col.-- 21
13. 1864 -- July 30, Federal Powder Explosion underneath Rebel Redoubt, Petersburg, VA-- 278
14. 1865 -- Feb 18, Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC⁶⁰⁶--150-200
15. 1865 -- May 25, Mobile Magazine Explosion, Mobile, AL -- 300
16. 1865 -- June 09, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN⁶⁰⁷-- ~10
17. 1866 -- April 16, Nitroglycerin explosion Wells Fargo building, San Francisco, CA --15-20

18. 1882 -- Feb 17, Explosion, Jackson **Fireworks** Plant, Chester, PA --15-21
19. 1883 -- Jan 21, Explosions, Giant Powder-Works, Point Clement, ~Oakland, CA --30-40
20. 1883 -- Sep 28, Explosion, California Powder Works, Pinole, CA -- 41
21. 1886 -- July 02, Powder Explosion, Atlantic Powder Works, near Drakesville, NJ -- 10
22. 1889 -- Feb 25, powder explosion, squib (mining fuse) Factory, Plymouth, PA -- 11

23. 1890 -- Sep 06, dynamite explosion, Nor. Pacific Freight Yard, Spokane falls, WA -- 15
24. 1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY⁶⁰⁸ -- 13
25. 1891 -- Sep 24, **fireworks** mortar explodes, Feast of St. Rocco celebration, Newark, NJ-- ≥13
- 1892 -- May 21, explosion and fire, Aetna Pyrotechnic (**fireworks**) Co., Hartford, CT -- 5
26. 1892 -- June 13, munitions explos., USS *Boston* crewmen, Mare Island Navy Yard, CA-- 15
27. 1894 -- Apr 07, **fireworks** factory explosion, Petersburg, VA -- 10
28. 1895 -- Jan 15, fire/dynamite explosions, Kenyon-Connell Warehouse, Butte, MT -- 57
29. 1895 -- May 21, nitroglycerine explosions, California Powder Works, Pinole, CA -- 15
30. 1896 -- Sep 01, powder explosion, Hercules Powder Works, Pinole, CA -- 12

⁶⁰¹ Cross-listed under Maritime

⁶⁰² Cross-listed under Fire, Structural.

⁶⁰³ Cross-listed under Fire, Structural.

⁶⁰⁴ Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.

⁶⁰⁵ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁶⁰⁶ Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.

⁶⁰⁷ Cross-listed in Fire, Structural

⁶⁰⁸ Cross-listed in Rail.

31. 1898 -- Feb 15, Battleship *USS Maine* Magazine Explosion, Havana Hbr., Cuba⁶⁰⁹ --263-268
 32. 1898 -- Apr 26, California Powder Works Explosions, near Santa Cruz, CA --11-13

**Explosions subset--Blasting agents/dynamite/fireworks/gunpowder/munitions--Chronological
 (Excludes Mining)**

33. 1900 -- July 04, **Fireworks** Explosion (children), Eighth Street, Philadelphia, PA -- 7-10
 34. 1901 -- June 21, **Fireworks** Explos./Fire, Confectionery, Main Street, Paterson, NJ -- 17
 35. 1901 -- Aug 19, Fire, Dynamite Explosion, M. & M. Roundhouse, ~Herkimer, NY -- 6-13
 36. 1902 -- Nov 04, Explosion of **Fireworks**, Madison Square, NY, NY -- 15
 37. 1903 -- Apr 30, Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA -- 10
 38. 1903 -- July 29, Powder/Dynamite Explos./Fire, U.S. Cartridge, Tewksbury, MA --20-22
 39. 1904 -- Mar 31, Explosion, Dickson Squib Factory, Priceburg, PA -- 11
 40. 1904 -- Apr 13, Magazine Explosion, Battleship *Missouri*, off Pensacola, FL --32-34
 41. 1905 -- May 11, Trains Collide, Blasting Powder Explosion, Fire, S. Harrisburg PA⁶¹⁰-- 23
 42. 1905 -- Sep 10, Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA --19-25
 43. 1906 -- June 09, Dynamite Explosion, Dynamite Plant, Bausman's Hollow, PA -- 11
 44. 1906 -- Sep 21, Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN -- 7-20
 45. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN⁶¹¹ --29-34
 46. 1907 -- Oct 15, DuPont Powder Mill Explosion, Fontanet, IN -- 27
 47. 1908 -- Feb 20, Nitroglycerin Explosion, Hercules Powder Works, Pinole, CA --28-30
 48. 1909 -- Jan 20, Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~ Chicago, IL-- 53
49. 1910 -- July 10, Artillery Explosion, Fort Monroe, VA -- 11
 50. 1911 -- Feb 01, Dynamite Explosion, Central Rail of NJ Terminal, Communipaw, NJ --24-35
 51. 1911 -- Feb 06, Explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI -- 10
 52. 1911 -- Mar 09, Gunpowder Explosion, Laffin Rand Powder Co., Pleasant Prairie, WI-- 40
 53. 1913 -- March 7, Harbor/Ship (*Alum Chine*) Dynamite Explosion, Baltimore, MD⁶¹² -- 55
 54. 1915 -- Nov 30, Explos., Upper Hagley Yard, du Pont Powder Co., ~Wilmington, DE -- 31
 55. 1916 -- May 15, TNT Explosion, DuPont Co., Repauno Works, Gibbstown, NJ --11-14
 56. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH -- 9-10
 57. 1916 -- July 02, Powder Explosion, Aetna Explosives Co., Emporium, PA -- 11
 58. 1917 -- Apr 10, Artillery Shell Munitions Plant Explosion, Eddystone, PA -- 133
 59. 1917 -- Dec 05, TNT Explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA -- 8-14
 60. 1918 -- May 18, Aetna Chemical Co. Munitions Plant Explosion, Oakdale, PA -- 193
 61. 1918 -- July 02, Semet-Solvay Co. TNT Plant Explosion/Fire, Split Rock, NY -- 50
 62. 1918 -- Oct 04, Gillespie Co., Shell Loading Plant Explosion, Sayreville, NJ -- 100
 1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK -- 8-9
 63. 1919 -- Aug 04, Magazine Explosion, U.S. Arsenal, Raritan, NJ -- 7-12
- 1920 -- Feb 26, aluminum plant dust explosion/female workers killed, Manitowoc, WI-- 6
 64. 1926 -- July 10, lightning/fire/explosions, USN Lake Denmark Arsenal, Dover, NJ⁶¹³ --21-22

⁶⁰⁹ Cross-listed under Maritime.

⁶¹⁰ Cross-listed under Rail

⁶¹¹ Cross-listed in Rail.

⁶¹² Cross-listed under Maritime.

Explosions subset--Blasting agents/dynamite/fireworks/gunpowder/munitions--Chronological

65. 1930 -- Apr 03, explosions, Pennsylvania **Fireworks** Display Company, Devon, PA -- 10
1934 -- June 4, dynamite explodes, Petty Geophysics Engineering crew, near Norman, OK- 7
66. 1940 -- Sep 12, Hercules Powder/Munitions Co. Explosion, Kenvil, NJ -- 52
67. 1942 -- Mar 04, Explosion, Iowa Ordnance Plant, Burlington, IA -- 22
1942 -- Mar 07, Car and ammo truck collide, fire, delayed explosion, ~Selma, NC⁶¹⁴ -- 7
68. 1942 -- Mar 26, Sandts Eddy Limestone Quarry Dynamite Explosion, Easton PA -- 31
69. 1942 -- June 05, Munitions Explosion, Elwood Ordnance Plant, Joliet, IL --48-52
70. 1942 -- Nov 06, Gunpowder explosion, Rochester Fire Works Co., East Rochester, NY-- 11
71. 1943 -- Mar 24, Fragmentation bombs explos., Portage Ordnance Depot, Portage, OH -- 11
72. 1943 -- May 04, Explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
73. 1943 -- July 12, Nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL-- 17
74. 1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA --26-40
75. 1943 -- Nov 16, Mines Explode, Warehouse, Naval Mine Depot, Yorktown, VA -- 7-8
76. 1943 -- Dec 07, Navy planes collide, bomb falls, Marines on ground die, Maui, HI⁶¹⁵ -- 20
77. 1944 -- Mar 13, Anti-Personnel Surface Mine Explosion, Camp Robinson, Ark. -- 12
1944 -- Apr 06, Explosion, Naval Ammunition Depot, near Hastings, NE -- 8
78. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA⁶¹⁶-- 17
79. 1944 -- May 21, Munitions Explosion, West Loch, Pearl Harbor, HI -- 163
80. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI -- 10
81. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA⁶¹⁷ --320-325
82. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE -- 9-10
83. 1944 -- Nov 10, Explosion, USS *Mount Hood*, Seeadler Harbor, Manus Island⁶¹⁸ --372-378
84. 1944 -- Dec 05, Torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK -- 11
85. 1945 -- May 25, Firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD -- 12
1945 -- May 26, Explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE-- 9
86. 1947 -- Apr 02, Explosion and fire, Lawrence Brown **Fireworks** Plant, Clinton, MO⁶¹⁹-- 12
87. 1947 -- Apr 16-17, Ammonium Nitrate explosion, *Grandcamp*, Texas City, TX⁶²⁰ --581-600
88. 1950 -- May 19, munitions being moved explode, Raritan River Pier, South Amboy, NJ-- 31
89. 1953 -- Feb 12, fire, dynamite explosion, Hercules Powder Co., near Pinole, CA -- 12
90. 1954 -- July 16, explos./fire/explos., Kent Defense/**Fireworks** Mfg., Chestertown, MD-- 11
91. 1958 -- May 22, US Army Nike-Ajax missile explosion, Battery B ~Middleton, NJ -- 10

⁶¹³ Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.

⁶¹⁴ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
Cross-listed in Highway events.

⁶¹⁵ Cross-listed under Aviation.

⁶¹⁶ Cross-listed in Maritime.

⁶¹⁷ Cross-listed under Maritime.

⁶¹⁸ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea

⁶¹⁹ Cross-listed in Fire-Structural.

⁶²⁰ Cross-listed in Maritime and in Explosions subset "Chemicals." While ammonium nitrate is a chemical composition, and thus listed there so as not to be viewed as an oversight, this particular ammonium nitrate was produced at U.S. Ammunition Plants as bomb fill to be shipped to lead lease program partners.

92. 1956 -- Dec 3, Luckenbach Steamship Co. pier fire, detonators explode, Brooklyn, NY⁶²¹--10

Explosions subset--Blasting agents/dynamite/fireworks/gunpowder/munitions--Chronological
(Excludes Aviation, Maritime Boiler and Mine Gas Explosions)

93. 1967 -- Feb 15, explosion, Lone Star Army Ammunition Plant, near Texarkana, TX -- 11
94. 1967 -- July 29, rocket explosion and fire, USS *Forrestal*, Gulf of Tonkin ops.⁶²² -- 134
95. 1968 -- Apr 06, gas & gunpowder explosion, fire, Marting Arms, Richmond, IN⁶²³ -- 41
- 1970 -- June 8, TNT explosion, demolition trng., Green Berets killed, Fort Bragg, NC -- 7
96. 1970 -- Nov 11, liquid explosives explosion, Pan American Bird Creek test oil well ~Tulsa, OK--9
97. 1971 -- Feb 3, Thiokol Chemical Plant fire and trip flares explosion, Woodbine, GA -- 29
98. 1983 -- May 27, explosion, illegal **fireworks** factory, Webb's Bait Farm ~Benton, TN -- 11
99. 1989 -- Apr 19, *USS Iowa* No. 2 turret explosion, near Puerto Rico -- 47
100. 1995 -- Apr 19, terrorism, Alfred P. Murrah Federal bldg. bombing, Oklahoma City⁶²⁴--168
1998 -- Dec 11, explosion, Independence Professional **Fireworks** Co., Osseo, MI -- 7
1999 -- Mar 29, explosion, Independence Professional **Fireworks** Co., Osseo, MI -- 5

⁶²¹ Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.

⁶²² Cross-listed under Maritime.

⁶²³ Cross-listed under Fire, Structural.

⁶²⁴ Cross-listed in Violence and in Fire-Structural (almost 40% of victims died from fire and smoke inhalation).

EXPLOSIONS Subset – CHEMICALS – By Mortality

1. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX⁶²⁵ --581-600
2. 1927 -- Apr 23, Chemical Explosions, Fire / Briggs Manufacturing Co., Detroit, MI -- 23
3. 1888 -- Aug 22, Fire & Bleach Explosion, George Whiting Paper Mill, Neenah, WI⁶²⁶-- 18
4. 1947 -- Feb 20, Chemical Explosion, O'Connor Electroplating Works, Los Angeles, CA-- 17
5. 1860 -- Sep 21, Building falls during fire and explosion (alcohol), New Orleans, LA⁶²⁷-- 15
6. 2013 -- Apr 17, Explosion, Adair Grain and West Fertilizer Co., West, TX -- 15
7. 1965 -- Aug 25, Explosions (26)/Fire, Du Pont Chemical Corp., near Louisville, KY⁶²⁸-- 12
8. 1953 -- Sep 23, explosions (4), Lucidol organic peroxides plant, Tonawanda, NY -- 11
9. 1954 -- Oct 28, Chemical Explosion, Charles W. Berg Laboratories, Philadelphia, PA -- 11
10. 1980 -- July 24, Chemical Explos./Fire, Vogue Metal Crafts/Metgal Mfg., Queens NY⁶²⁹-- 11

11. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI⁶³⁰ -- 10
12. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY⁶³¹ -->7->10
13. 1914 -- May 15, Chemical Explosion, Mexican Crude Rubber Co., Detroit, MI -- 10
14. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ -- 10
15. 1948 -- May 17, Koppers Co., coal tar distillation plant tank explosion & fire, Kearny, NJ--10
16. 1954 -- Oct 28, fumes/chemical tank explodes, Charles W. Berg Labs, Philadelphia, PA-- 10
17. 1962 -- May 10, Explosion, Chemical Reactor (Acrylic Polyamide), Toledo, OH -- 10

- Other:**
1945 -- Apr 11, chemicals explode/fire, Super Products Co. plant., Des Moines, IA -- 8
1892 -- May 21, Explosion and Fire, Aetna Pyrotechnic (**Fireworks**) Co., Hartford, CT-- 5

⁶²⁵ Cross-listed in Maritime and in Explosions subset "Blasting Agents..." While ammonium nitrate is a chemical composition, and thus listed here so as not to be viewed as an oversight, this particular ammonium nitrate was produced at U.S. Ammunition Plants as bomb fill to be shipped to lead lease program partners.

⁶²⁶ Cross-listed in Fire, Structural.

⁶²⁷ Cross-listed in Fires, Structural.

⁶²⁸ First explosion caused eleven deaths. Twelfth death was from burns several days later.

⁶²⁹ Cross-listed in Fire, Structural

⁶³⁰ Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.

⁶³¹ Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).

EXPLOSIONS Subset – CHEMICALS – Chronological

1. 1860 -- Sep 21, building falls during fire and explosion (alcohol), New Orleans, LA⁶³²-- 15
2. 1888 -- Aug 22, fire and bleach explosion, George Whiting Paper Mill, Neenah, WI⁶³³-- 18
3. 1892 -- May 21, explosion and fire, Aetna Pyrotechnic (fireworks) Co., Hartford, CT -- 5
4. 1898 -- Feb 26, fire and explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI⁶³⁴-- 10

5. 1900 -- Oct 29, fire and explosions, Tarrant & Co. Drug Warehouse, NYC, NY⁶³⁵ --7->10

6. 1914 -- May 15, chemical explosion, Mexican Crude Rubber Co., Detroit, MI -- 10

7. 1927 -- Apr 23, chemical explosions and fire, Briggs Manufacturing Co., Detroit, MI -- 23

8. 1940 -- July 30, explosions and conflagration, R. M. Hollingshead Plant, Camden, NJ -- 10
1945 -- Apr 11, chemicals explode/fire, Super Products Co. plant., Des Moines, IA -- 8
9. 1947 -- Feb 20, chemical explosion, O'Connor Electroplating Works, Los Angeles, CA-- 17
10. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX⁶³⁶ --581-600
11. 1948 -- May 17, Koppers Co., coal tar distillation plant tank explosion/fire, Kearny, NJ-- 10

12. 1953 -- Sep 23, explosions (4), Lucidol organic peroxides plant, Tonawanda, NY -- 11
13. 1954 -- Oct 28, chemical explosion, Charles W. Berg Laboratories, Philadelphia, PA -- 11
14. 1956 -- Dec 03, waterfront pier fire and explosion, Brooklyn, NY⁶³⁷ -- 10

15. 1962 -- May 10, explosion, chemical reactor (acrylic polyamide), Toledo, OH -- 10
16. 1965 -- Aug 25, Explosions (26)/Fire, Du Pont Chemical Corp., near Louisville, KY⁶³⁸-- 12

17. 1980 -- July 24, chemical explosion / fire, Vogue Metal Crafts/Metgal Mfg., Queens NY-- 11

18. 2013 -- Apr 17, explosion, Adair Grain and West Fertilizer Co., West, TX -- 15

⁶³² Cross-listed in Fires, Structural.

⁶³³ Cross-listed in Fire, Structural.

⁶³⁴ Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.

⁶³⁵ Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).

⁶³⁶ Cross-listed in Maritime and in Explosions subset "Blasting Agents..." While ammonium nitrate is a chemical composition, and thus listed here so as not to be viewed as an oversight, this particular ammonium nitrate was produced at U.S. Ammunition Plants as bomb fill to be shipped to lead lease program partners.

⁶³⁷ Cross-listed in Fire, Structural.

⁶³⁸ First explosion caused eleven deaths. Twelfth death was from burns several days later.

EXPLOSIONS Subset -- DUST (Excluding Mining) -- By Mortality

1.	1919 -- May 22, dust explosion/fire, Douglas Starch Works, Cedar Rapids, IA	--43-44
2.	1924 -- Jan 03, starch dust explosion, Corn Products Refining Co., Pekin, IL	-- 42
3.	1977 -- Dec 22, dust explosion, Continental Grain Elevator, Westwego, La	-- 36
4.	1953 -- Apr 16, aluminum dust explosion/fire, Haber Corp. Metalworking, Chicago IL--	35
5.	1913 -- June 24, dust explosion, Husted Milling Feed Plant, Buffalo, NY	-- 33
6.	1878 -- May 02, flour dust explosion/fire, Washburne Flour Mills, Minneapolis MN	-- 18
7.	1977 -- Dec 27, Farmers Export Grain Elevator dust explosion,, Galveston, TX	-- 18
8.	1898 -- Sep 20, grain dust explosion and fire, Union grain elevator, Toledo, OH	--14-15
9.	1912 -- Nov 25, corn starch dust explosion, Corn Products Co., Waukegan, IL ⁶³⁹	--14-15
10.	1948 -- Sep 07, Brach candy factory fire, starch dust explosions and fire, Chicago, IL	-- 15
11.	1919 -- Sep 13, Murray Elevator grain dust explosion, North Kansas City, MO	-- 14
12.	1890 -- Mar 27, starch dust explosion and fire, Chicago Sugar Refinery, Chicago, IL	-- 12
13.	1917 -- June 13, sugar dust explosion/fire, Amer. Sugar Refining Plant, Brooklyn, NY--	12
14.	1967 -- Feb 17, starch dust explosion and fire, Int. Latex Corp., Hawthorne, NJ	-- 11

Other (5-9):

1916 -- June 13, dust explosion, grain elevator, Central Elevator Co., Baltimore, MD	-- 9
1937 -- Apr 10, Charles A Krause Milling Co. dust explosion & fire, Greenfield, WI	-- 9
1934 -- May 08, Missouri Pacific grain elevator dust explosions & fire, St. Louis, MO	-- 7
2003 -- Feb 20, resin dust explosions and fire, CTA Acoustics, Corbin, Laurel County, KY--	7
1920 -- Feb 26, aluminum plant dust explosion/female workers killed, Manitowoc, WI	-- 6
1926 -- Apr 21, fire, sawdust explosion/fire, Marsh Wood Products Company, Milwaukee, WI--	6
1938 -- Apr 04, grain dust explosion, nine-story grain elevator, New Orleans, LA	-- 6
1945 -- Aug 29, aluminum dust explosion, Metals Disintegrating Co., Shrewsbury, MO	-- 6
2003 -- Jan 29, dust explosion, West Pharmaceutical Services Plant, Kinston, NC	-- 6
1960 -- Nov 08, Synvar Corp. resin products plant dust explosion and fire, Wilmington, DE--	5
2001 -- Oct 03, explosions and fire, Pyro Design and Development, near Rochester, IN ⁶⁴⁰	-- 5
2002 -- May 16, fire, causing rubber dust explosion, Rouse Polymeric, Vicksburg, MS	-- 5

⁶³⁹ Fourteen explosion/fire worker deaths. Young pregnant woman searching for body of relative she had been told had been killed (incorrectly) fainted at undertakers upon seeing mutilated bodies; died several days later in hospital.

⁶⁴⁰ News articles of the time noted cause undetermined. The U.S. Chemical Safety and Hazard Investigation Board, however, included this explosion in Appendix A "Combustible Dust Fire and Explosion Incident Data," p. 85, in its Nov 2006 report: *Investigation Report: Combustible Dust Hazard Study* (Report No. 2006-H-1).

EXPLOSIONS Subset -- DUST (Excluding Mining) -- Chronological

1. 1878 -- May 02, flour dust explosion/fire, Washburne Flour Mills, Minneapolis MN -- 18
2. 1890 -- Mar 27, starch dust explosion and fire, Chicago Sugar Refinery, Chicago, IL -- 12
3. 1898 -- Sep 20, grain dust explosion and fire, Union grain elevator, Toledo, OH --14-15
4. 1912 -- Nov 25, corn starch dust explosion, Corn Products Co., Waukegan, IL⁶⁴¹ --14-15
5. 1913 -- June 24, dust explosion, Husted Milling Feed Plant, Buffalo, NY -- 33
- 1916 -- June 13, dust explosion, grain elevator, Central Elevator Co., Baltimore, MD -- 9
6. 1917 -- June 13, sugar dust explosion/fire, Amer. Sugar Refining Plant, Brooklyn, NY-- 12
7. 1919 -- May 22, dust explosion and fire, Douglas Starch Works, Cedar Rapids, IA --43-44
8. 1919 -- Sep 13, Murray Elevator grain dust explosion, North Kansas City, MO -- 14
- 1920 -- Feb 26, aluminum plant dust explosion/female workers killed, Manitowoc, WI-- 6
9. 1924 -- Jan 03, starch dust explosion, Corn Products Refining Co., Pekin, IL -- 42
- 1926 -- Apr 21, fire, sawdust explosion/fire, Marsh Wood Products Co., Milwaukee, WI-- 6
- 1934 -- May 08, Missouri Pacific grain elevator dust explosions & fire, St. Louis, MO-- 7
- 1937 -- Apr 10, Charles A Krause Milling Co. dust explosion & fire, Greenfield, WI -- 9
- 1938 -- Apr 04, grain dust explosion, nine-story grain elevator, New Orleans, LA -- 6
- 1945 -- Aug 29, aluminum dust explosion, Metals Disintegrating Co., Shrewsbury, MO-- 6
10. 1948 -- Sep 07, Brach candy factory fire, starch dust explosions and fire, Chicago, IL -- 15
11. 1953 -- Apr 16, aluminum dust explosion/fire, Haber Corp. Metalworking, Chicago IL-- 35
- 1960 -- Nov 08, Synvar Corp. resin products plant dust explosion/fire, Wilmington, DE-- 5
12. 1967 -- Feb 17, starch dust explosion, fire, International Latex Corp., Hawthorne, NJ -- 11
13. 1977 -- Dec 22, dust explosion, grain elevator, Westwego, La -- 36
14. 1977 -- Dec 27, Farmers Export Grain Elevator dust explosion,, Galveston, TX -- 18
- 2001 -- Oct 03, explosions and fire, Pyro Design and Development near Rochester, IN⁶⁴²-- 5
- 2002 -- May 16, fire leading to rubber dust explosion, Rouse Polymerics, Vicksburg, MS-- 5
- 2003 -- Jan 29, dust explosion, West Pharmaceutical Services Plant, Kinston, NC -- 6
- 2003 -- Feb 20, resin dust explosions/fire, CTA Acoustics, Corbin, Laurel County, KY-- 7

⁶⁴¹ Fourteen explosion/fire worker deaths. Young pregnant woman searching for body of relative she had been told had been killed (incorrectly) fainted at undertakers upon seeing mutilated bodies; died several days later in hospital.

⁶⁴² News articles of the time noted cause undetermined. The U.S. Chemical Safety and Hazard Investigation Board, however, included this explosion in Appendix A "Combustible Dust Fire and Explosion Incident Data," p. 85, in its Nov 2006 report: *Investigation Report: Combustible Dust Hazard Study* (Report No. 2006-H-1).

EXPLOSIONS Subset – FUMES, FUEL VAPOR, NG/PG, LNG, LPG – By Mortality
(Excludes Maritime Boiler & Mining)

1. 1937 -- Mar 18, natural gas explosion, consolidated school, New London, TX --311-319
2. 1944 -- Oct 20, LNG tank explosions & fire, East Ohio Gas Co., Cleveland, OH⁶⁴³ --128-136
3. 1963 -- Oct 31, bottled propane gas tank explosion, Indianapolis Coliseum, IN --74-75
4. 1973 -- Feb 10, fire/gas explosion/LNG tank concrete roof falls, Staten Island NY⁶⁴⁴ -- 40
5. 1972 -- Feb 1, gas fumes explosion (lightning?), Tanker *V.A. Fogg*, off Galveston, TX⁶⁴⁵-- 39
6. 1996 -- Nov 21, propane gas explosion, Commercial Building, San Juan, Puerto Rico -- 33
7. 1927 -- Nov 14, natural gas tank explosion, Equitable Gas Co., Pittsburgh, PA -- 28
8. 1989 -- Oct 23, Phillips Petroleum Co. gas leak explosion, Pasadena, TX⁶⁴⁶ -- 23
9. 1928 -- Nov 08, explosion, fire, Preble Box Toe Co. plant and house, Lynn, MA⁶⁴⁷ --20-21
10. 1949 -- Dec 14, natural gas explosion, Swift & Co. Packing House, Sioux City, IA -- 21
11. 1965 -- Nov 24, natural gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA⁶⁴⁸ -- 21

12. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE⁶⁴⁹-- 20
13. 1972 -- Dec 15, coke oven gas explosion, Koppers Steel, Browns Isl., Weirton, WV -- 19
14. 1926 -- Nov 19, oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD⁶⁵⁰-- 18
15. 1951 -- Sep 17, Shell Refinery cracking unit explosion/fire, Roxana, Wood River, IL⁶⁵¹-- 18
16. 1963 -- Jan 02, Home Meat Packing Co. natural gas explosion, Terre Haute, IN -- 17
17. 1965 -- Mar 04, explosion/fire, natural gas pipeline, residential Natchitoches, LA -- 17
18. 1984 -- July 24, Union Oil Co. Refinery explosions and fire, Romeoville, IL⁶⁵² -- 17
19. 1944 -- Oct 21, USN LSMs 211/212 explosion/fire, Berth 223, LA Harbor, CA⁶⁵³ -- 16
20. 1978 -- Feb 24, train derails Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN -- 16
21. 1956 -- Aug 13, explosion, liquefied petroleum gas, Lariat Café, Monticello, UT -- 15
22. 1951 -- Feb 08, LPG vapor explosion, Minnesota Mining & Mfg., St. Paul, MN -- 14
23. 1973 -- Feb 02, natural gas explosion, hardware store and cafe, Eagle Grove, IA -- 14
24. 1902 -- Feb 05, gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL --11-13
25. 1940 -- Dec 17, natural gas explosion, Mercantile and apartment bldg., Cincinnati, OH-- 13
26. 1973 -- July 05, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ⁶⁵⁴-- 13
27. 1976 -- Aug 12, ethyl benzene fumes explode, Tenneco oil refinery tower, Chalmette, LA--13
28. 1943 -- Aug 19, explosion, naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ -- 12
29. 1947 -- Jun 22, tankship *Markay* petroleum products loading vapor explos., LA CA⁶⁵⁵--10-12
30. 1957 -- Dec 05, natural gas explosion/fire, five downtown businesses, Villa Rica, GA⁶⁵⁶-- 12

⁶⁴³ Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses

⁶⁴⁴ Cross-listed in Fire and Structural/Construction. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

⁶⁴⁵ Cross-listed under Lightning and Maritime.

⁶⁴⁶ Cross listed under Fire, Structural.

⁶⁴⁷ Cross-listed in Fire-Structural.

⁶⁴⁸ Cross-listed in Fire-Structural.

⁶⁴⁹ Cross-listed in Fire-Structural.

⁶⁵⁰ Cross-listed in Maritime.

⁶⁵¹ Cross-listed in Fire-Structural.

⁶⁵² Cross-listed in Fire-Structural, because fires were started by the explosions.

⁶⁵³ Cross-listed under Maritime.

⁶⁵⁴ Cross-listed in Hazardous Materials and in Rail.

⁶⁵⁵ Cross-listed under Maritime.

31. 1959 -- June 02, collision/fire/explosion, propane gas truck, ~Deer Lake, east PA⁶⁵⁷ --11-12
 32. 1985 -- Dec 16, Gas Explosion, Rocky Mt. Natural Gas Co., Glenwood Springs, CO -- 12
 33. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM⁶⁵⁸ -- 12

EXPLOSIONS Subset – FUMES, FUEL VAPOR, NG/PG, LNG, LPG – By Mortality Cont.
(Excludes Maritime Boiler & Mining)

34. 1924 -- Aug 28, explosion, ammonia refrigeration tank, grocery, Des Moines, IA⁶⁵⁹ -- 11
 35. 1935 -- Oct 07, gas explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
 36. 1947 -- July 29, butane gas explosion/fire, Pauline's Beauty School, Harrisonburg, VA⁶⁶⁰--11
 37. 1966 -- Jan 28, Paramount Hotel gas explosion and fire, Boston, MA -- 11
 38. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX⁶⁶¹-- 11
 39. 1910 -- Dec 19, train crash and gas explosion, Grand Central Station yard, NY⁶⁶² -- 10
 40. 1916 -- Feb 16, gas explosion, Opera House collapses on Hitt Restaurant, Mexia, TX -- 9-10
 41. 1932 -- Apr 14, natural gas explosion, State Office Building, Columbus, OH -- 10
 42. 1937 -- Feb 05, flooding/bldg. gas leak/explosion, Floyd & Market St., Louisville, KY-- 10
 43. 1944 -- Nov 21, car & truck collide, butane gas tank truck explosion, Denison, TX⁶⁶³ -- 10
 44. 1946 -- June 21, explosion (postulated as natural gas), Baker Hotel, Dallas, TX -- 10
 45. 1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC⁶⁶⁴-- 10
 46. 1960 -- July 18, explosion (gas) and fire, J.C. Penney Co. Dept. Store, Merrill, WI -- 10
 47. 1962 -- July 25, brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY⁶⁶⁵-- 10

Sampling of some other events with fewer than ten fatalities:

- 1946 -- July 18, butane gas explosion, Christy's Spa & 3 frame buildings, Onset, MA -- 9
 1968 -- Jan 10, natural gas explosion demolishes two adjoining homes, Reading, PA -- 9
 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN⁶⁶⁶ -- 9
 1901 -- Aug 5, gasoline tank explosion, grocery store cellar, Locust street, Philadelphia PA-- 8
 1940 -- Nov 28, natural gas explosion & fire, Richey Gilbert Warehouse, Toppenish, WA -- 8
 1972 -- Dec 9, natural gas leak explosion, two bldgs. collapse, downtown Clinton, MO -- 8
 1946 -- Feb 19, natural gas explosion & fire, apartment building, New Orleans, LA -- 7
 1958 -- Jan 16, gas explosion, Merchants Ice and Cold Storage Co., Richmond, VA -- 7
 1963 -- Mar 29, natural gas leak explosion, Supreme Cleaners, Tucson, AZ -- 7
 1949 -- Apr 10, explosion, propane gas furnace leak, St. Mary's Church, Marion, SD -- 6

⁶⁵⁶ Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.

⁶⁵⁷ Cross-listed in Road/Highway.

⁶⁵⁸ Cross-listed in Fire-Structural, and in Structural Failures.

⁶⁵⁹ Ten of the eleven died after the explosion from exposure to the ammonia fumes.

⁶⁶⁰ Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.

⁶⁶¹ Cross-listed in Explosions in that the pipeline the fishing vessel *Northumberland* hit was not where it should have been, under the sea-floor, and the natural gas explosion and resulting fire on the boat led to the loss of life.

⁶⁶² Cross-listed under Rail.

⁶⁶³ Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events.

⁶⁶⁴ Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.

⁶⁶⁵ Cross-listed in Road/Highway/Vehicular Events.

⁶⁶⁶ Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events

EXPLOSIONS Subset – FUMES, FUEL VAPOR, NG/PG, LNG, LPG – Chronological
(Excludes Maritime Boiler & Mining)

- 1901 -- Aug 05, gasoline tank explosion, grocery store cellar, Locust St., Philadelphia PA-- 8
1. 1902 -- Feb 05, gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL --11-13
 2. 1910 -- Dec 19, train crash leads to gas explosion, Grand Central Station yard, NY⁶⁶⁷ -- 10
 3. 1916 -- Feb 16, gas explosion, Opera House collapses on Hitt Restaurant, Mexia, TX -- 9-10
 4. 1924 -- Aug 28, explosion, ammonia refrigeration tank, Grocery, Des Moines, IA⁶⁶⁸ -- 11
 5. 1926 -- Nov 19, Oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD⁶⁶⁹-- 18
 - 1927 -- Jan 26, gas explosion, Mormon recreation hall, basketball game, Turner, ID -- 7
 6. 1927 -- Nov 14, natural gas tank explosion, Equitable Gas Co., Pittsburgh, PA -- 28
 7. 1928 -- Nov 08, explosion and fire, Preble Box Toe Co. plant and house, Lynn, MA⁶⁷⁰--20-21
 8. 1932 -- Apr 14, natural gas explosion, State Office Building, Columbus, OH -- 10
 9. 1935 -- Oct 07, gas explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
 10. 1937 -- Feb 05, flooding/bldg. gas leak & explos., Floyd & Market St., Louisville, KY-- 10
 11. 1937 -- Mar 18, natural gas explosion, consolidated school, New London, TX --311-319
 - 1940 -- Nov 28, natural gas explosion & fire, Richey Gilbert Warehouse, Toppenish, WA-- 8
 12. 1940 -- Dec 17, natural gas explosion, mercantile and apartment bldg., Cincinnati, OH-- 13
 13. 1943 -- Aug 19, Naphtha vapor explosion, Congoleum-Nairn Inc. plant, Kearny, NJ -- 12
 14. 1944 -- Oct 20, LNG tank explosions & fire, East Ohio Gas Co., Cleveland, OH⁶⁷¹ --128-136
 15. 1944 -- Oct 21, USN LSMs 211/212 explosion/fire, Berth 223, LA Harbor, CA⁶⁷² -- 16
 16. 1944 -- Nov 21, car/truck collision, butane gas tank truck explosion, Denison, TX⁶⁷³ -- 10
 - 1946 -- Feb 19, natural gas explosion & fire, apartment building, New Orleans, LA -- 7
 17. 1946 -- June 21, explosion (postulated as natural gas), Baker Hotel, Dallas, TX -- 10
 - 1946 -- July 18, butane gas explosion, Christy's Spa & 3 frame buildings, Onset, MA -- 9
 18. 1947 -- June 22, tankship *Markay* petrol. products loading vapor explosion, LA CA⁶⁷⁴--10-12
 19. 1947 -- July 29, butane gas explosion/fire, Pauline's Beauty School, Harrisonburg, VA⁶⁷⁵--11
 - 1949 -- Apr 10, propane gas furnace leak explosion, St. Mary's Church, Marion, SD -- 6
 20. 1949 -- Dec 14, natural gas explosion, Swift & Co. Packing House, Sioux City, IA -- 21
 21. 1951 -- Feb 08, LPG vapor explosion, Minnesota Mining & Mfg., St. Paul, MN -- 14
 22. 1951 -- Sep 17, Shell Refinery cracking unit explosion/fire, Roxana, Wood River, IL⁶⁷⁶-- 18
 23. 1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC⁶⁷⁷--10

⁶⁶⁷ Cross-listed under Rail.

⁶⁶⁸ Ten of the eleven died after the explosion from exposure to the ammonia fumes.

⁶⁶⁹ Cross-listed in Maritime.

⁶⁷⁰ Cross-listed in Fire-Structural.

⁶⁷¹ Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses

⁶⁷² Cross-listed under Maritime.

⁶⁷³ Cross-listed in Hazardous Materials and in Highway/Vehicular.

⁶⁷⁴ Cross-listed under Maritime.

⁶⁷⁵ Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.

⁶⁷⁶ Cross-listed in Fire, Structural.

24. 1956 -- Aug 13, liquefied petroleum gas explosion, Lariat Café, Monticello, UT -- 15
 25. 1957 -- Dec 05, natural gas explosion/fire, five downtown businesses, Villa Rica, GA⁶⁷⁸-- 12
 1958 -- Jan 16, gas explosion, Merchants Ice and Cold Storage Co., Richmond, VA -- 7
 26. 1959 -- June 02, propane gas truck collision, fire, explosion, ~Deer Lake, east PA⁶⁷⁹ --11-12

EXPLOSIONS Subset – FUMES, FUEL VAPOR, NG/PG, LNG, LPG – Chronological
(Excludes Maritime Boiler & Mining)

27. 1960 -- July 18, explosion (gas) and fire, J.C. Penney Co. Dept. Store, Merrill, WI -- 10
 28. 1962 -- July 25, brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY⁶⁸⁰-- 10
 29. 1963 -- Jan 02, Home Meat Packing Co. natural gas explosion, Terre Haute, IN -- 17
 1963 -- Mar 29, natural gas leak explosion, Supreme Cleaners, Tucson, AZ -- 7
 30. 1963 -- Oct 31, bottled propane gas tank explosion, Indianapolis Coliseum, IN --74-75
 31. 1965 -- Mar 04, natural gas pipeline explosion and fire, residential Natchitoches, LA -- 17
 32. 1965 -- Nov 24, natural gas explosion and fire, Nat. Guard Armory dance, Keokuk, IA⁶⁸¹--21
 33. 1966 -- Jan 28, Paramount Hotel gas explosion and fire, Boston, MA -- 11
 1968 -- Jan 10, natural gas explosion demolishes two adjoining homes, Reading, PA -- 9

 34. 1972 -- Feb 01, gas fumes explosion (lightning?), tanker *V.A. Fogg*, off Galveston, TX⁶⁸²--39
 35. 1972 -- Dec 09, natural gas leak explosion, two bldgs. collapse, downtown Clinton, MO-- 8
 36. 1972 -- Dec 15, coke oven gas explosion, Koppers Steel, Browns Island, Weirton, WV-- 19
 37. 1973 -- Feb 02, natural gas explosion, hardware store and cafe, Eagle Grove, IA -- 14
 38. 1973 -- Feb 10, fire/gas explosion/LNG tank, concrete roof falls, Staten Island, NY⁶⁸³ -- 40
 39. 1973 -- July 05, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ⁶⁸⁴-- 13
 40. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE⁶⁸⁵-- 20
 41. 1976 -- Aug 12, ethyl benzene fumes explode, Tenneco oil refinery tower, Chalmette, LA--13
 42. 1978 -- Feb 24, train derails Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN -- 16

 43. 1984 -- July 24, Union Oil Co. Refinery explosions and fire, Romeoville, IL⁶⁸⁶ -- 17
 44. 1985 -- Dec 16, gas explosion, Rocky Mt. Natural Gas Co., Glenwood Springs, CO -- 12
 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN⁶⁸⁷-- 9
 45. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX⁶⁸⁸-- 11
 46. 1989 -- Oct 23, Phillips Petroleum Co. gas leak explosion, Pasadena TX⁶⁸⁹ -- 23

⁶⁷⁷ Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.

⁶⁷⁸ Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.

⁶⁷⁹ Cross-listed in Road/Highway.

⁶⁸⁰ Cross-listed in Road/Highway Vehicle Events.

⁶⁸¹ Cross-listed in Fire, Structural.

⁶⁸² Cross-listed under Lightning and Maritime.

⁶⁸³ Cross-listed in Fire and Structural/Construction. This was an LNG tank which was being cleaned and worked-on.

A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

⁶⁸⁴ Cross-listed in Hazardous Materials and in Rail.

⁶⁸⁵ Cross-listed in Fire-Structural.

⁶⁸⁶ Cross-listed in Fire-Structural, because fires were started by the explosions.

⁶⁸⁷ Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events

⁶⁸⁸ Cross-listed in Explosions in that the pipeline the fishing vessel *Northumberland* hit was not where it should have been, under the sea-floor, and the natural gas explosion and resulting fire on the boat led to the loss of life.

⁶⁸⁹ Cross listed under Fire, Structural.

Explosions – Fuel Fumes, Gas – Chronological:

47. 1996 -- Nov 21, propane gas explosion, commercial building, San Juan, Puerto Rico -- 33
48. 2000 -- Aug 19, El Paso Natural Gas pipeline rupture and fire, Carlsbad, NM⁶⁹⁰ -- 12

⁶⁹⁰ Cross-listed in Fire-Structural, and in Structural Failures.

EXPLOSIONS Subset – GASOLINE, KEROSENE, NAPHTHA, OIL – By Mortality

1. 1915 -- Sep 27, rail tank car gasoline explosion, Ardmore, OK⁶⁹¹ --40-44
2. 1902 -- May 12, explosion, freight train oil and naphtha cars, Sheraden, PA⁶⁹² --20-29
3. 1956 -- Jan 17, gasoline explosion/fire, SS *Salem Maritime*, terminal, Rose Bluff, LA⁶⁹³-- 21
4. 1956 -- July 29, fire/explosion, McKee tank farm, Shamrock Oil & Gas, ~Sun Ray TX⁶⁹⁴--19
5. 1951 -- Sep 17, Shell Refinery Dubbs 17 cracking unit explos./fire, Wood River, IL⁶⁹⁵-- 18
6. 1903 -- Mar 09, train wreck & fire, delayed oil/gasoline tanker explosion, Olean, NY⁶⁹⁶-- 17
7. 1921 -- Sep 14, explosion & fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA⁶⁹⁷--16
8. 1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV --14-15
9. 1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR⁶⁹⁸-- 13
10. 1923 -- May 9, explosion and fire, J.K. Hughes Co, McKie Oil Well, Corsicana, TX -- 12

11. 1903 -- Apr 23, Northwestern Star Oil Plant explosion, Minneapolis, MN --10-11
12. 1924 -- Aug 29, gasoline tank explosion, People's Natural Gas, Pittsburgh, PA -- 11
13. 1919 -- Nov 17, oil explosion, oil tank, Standard Oil Company, Hays, KS -- 10
14. 1933 -- June 02, oil explosion, Richfield Meandor Oil Refinery, Long Beach, CA -- 10
15. 1946 -- Oct 03, explosions/fire, alkylation unit fractionating tower, Sun Oil Co., Marcus Hook, PA-- 10

- 1954 -- Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV⁶⁹⁹-- 9
- 1933 -- Mar 25, gasoline stove explosion under whisky still, home fire, near Fargo, OK⁷⁰⁰-- 7
- 1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL-- 7
- 1954 -- Apr 03, explosion and fire, kerosene poured in home stove, Glouster, OH⁷⁰¹ -- 6
- 1959 -- Aug 18, service station fire/gasoline storage tank explosion, Kansas City, KS -- 6

⁶⁹¹ Cross-listed in Hazardous Materials and in Rail.

⁶⁹² Cross-listed in Rail.

⁶⁹³ Cross-listed in Hazardous Materials Transportation and in Maritime.

⁶⁹⁴ Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.

⁶⁹⁵ Cross-listed in Fire, Structural.

⁶⁹⁶ Cross-listed in Fire and in Rail.

⁶⁹⁷ Cross-listed in Fire-Structural. A Naphtha still exploded.

⁶⁹⁸ Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.

⁶⁹⁹ Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.

⁷⁰⁰ When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.

⁷⁰¹ Cross listed in Fire-structural.

EXPLOSIONS Subset – GASOLINE, KEROSENE, NAPHTHA, OIL – Chronological

1. 1902 -- May 12, explosion, freight train oil and naphtha cars, Sheraden, PA⁷⁰² --20-29
2. 1903 -- Mar 09, train wreck and fire, delayed oil/gasoline tanker explosion, Olean, NY⁷⁰³--17
3. 1903 -- Apr 23, Northwestern Star Oil Plant explosion, Minneapolis, MN --10-11

4. 1915 -- Sep 27, rail tank car gasoline explosion, Ardmore, OK⁷⁰⁴ --40-44
5. 1919 -- Nov 17, oil explosion, oil tank, Standard Oil Company, Hays, KS -- 10

6. 1921 -- Sep 14, explosion / fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA⁷⁰⁵-- 16
7. 1923 -- May 09, explosion and fire, J.K. Hughes Co, McKie Oil Well, Corsicana, TX -- 12
8. 1924 -- Aug 29, gasoline tank explosion, People's Natural Gas, Pittsburgh, PA -- 11

- 1933 -- Mar 25, gasoline stove explosion under whisky still, home fire, ~Fargo, OK⁷⁰⁶-- 7

9. 1933 -- June 02, oil explosion, Richfield Meandor Oil Refinery, Long Beach, CA -- 10

10. 1946 -- Oct 03, explosions/fire, alkylation unit fractionating tower, Sun Oil Co., Marcus Hook, PA-- 10
11. 1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV --14-15

12. 1951 -- Sep 17, Shell Refinery Dubbs 17 cracking unit explos./fire, Wood River, IL⁷⁰⁷-- 18
- 1954 -- Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV⁷⁰⁸-- 9
- 1954 -- Apr 03, explosion and fire, kerosene poured in home stove, Glouster, OH⁷⁰⁹ -- 6
- 1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL-- 7
13. 1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR⁷¹⁰-- 13
14. 1956 -- Jan 17, gasoline explosion/fire, SS *Salem Maritime*, terminal, Rose Bluff, LA⁷¹¹-- 21
15. 1956 -- July 29, fire/explosion, McKee tank farm, Shamrock Oil & Gas, ~Sun Ray TX⁷¹²--19
- 1959 -- Aug 18, service station fire/gasoline storage tank explosion, Kansas City, KS -- 6

⁷⁰² Cross-listed in Rail.

⁷⁰³ Cross-listed in Fire and in Rail.

⁷⁰⁴ Cross-listed in Hazardous Materials and in Rail.

⁷⁰⁵ Cross-listed in Fire-Structural. Naphtha still exploded.

⁷⁰⁶ When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.

⁷⁰⁷ Cross-listed in Fire, Structural.

⁷⁰⁸ Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.

⁷⁰⁹ Cross listed in Fire-structural.

⁷¹⁰ Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.

⁷¹¹ Cross-listed in Hazardous Materials Transportation and in Maritime.

⁷¹² Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.

EXPLOSIONS (Industrial/Commercial) Subset – MACHINERY, BOILERS, ENGINES
(Excludes Maritime & Mining) – By MORTALITY – Deadliest American

1. 1850 -- Feb 04, boiler explosion, Taylor & Co., Hague St., Manhattan, NY⁷¹³ --60-75
2. 1905 -- Mar 20, boiler explosion & fire, Grover & Co. Shoe Factory, Brockton, MA⁷¹⁴-- 58
3. 1895 -- Nov 06, *Evening Journal* Building boiler explosion & fire, Detroit, MI --37-40
4. 1912 -- Mar 18, boiler explosion, train engine, So. Pacific Yard, San Antonio TX -- 36
5. 1907 -- Jan 09, explosion, Eliza Furnaces, Jones & Laughlin Steel, Pittsburgh, PA --12-34
6. 1901 -- Nov 26, boiler explosion and fire, Penberthy Injector Co., Detroit, MI --29-30
7. 1919 -- Nov 22, stove explosion/fire/crushing, dance hall/store, Ville Platte LA⁷¹⁵ --25-28
8. 1867 -- Jun 06, Geasy & Ward's Cabinet Makers boiler explosion & fire, Philly, PA --22-27
9. 1869 -- Oct 01, boiler explosion, Power Hall, State Fair, Indianapolis, IN --21~27
10. 1895 -- Aug 19, boiler explosion and fire, Gumry Hotel, Denver, CO -- 25

11. 1889 -- Feb 17, Park Central Hotel boiler explosion & bldg. collapse, Hartford, CT --21-23
12. 1962 -- Oct 03, boiler explosion, NY Telephone Company building, Manhattan, NY -- 23
13. 1867 -- Nov 08, boiler explosion, Reese & Co. Rolling-Mill, Pitt Township, PA --17-20
14. 1887 -- Apr 23, boiler explosion, Passaic Rolling Mills, Paterson, NJ -- 20
15. 1902 -- Aug 20, explosion, wood digesters, Delaware Pulp Mills, Wilmington, DE -- 17
16. 1910 -- Dec 29, boiler explosion, Morewood Lake Ice Co., south of Pittsfield, MA -- 17
17. 1921 -- Sep 14, naphtha still explosion, Atlantic Refining Co., Point Breeze, Philly PA --14-16
18. 1901 -- Dec 19, blast furnace gas explosion, Jones & Laughlin Co., Pittsburgh, PA --10-15
19. 1902 -- Nov 29, boiler explosion, Swift & Co. Power Plant, Chicago, IL --13-15
20. 1881 -- Jan 6, Big Puddle boiler explosion, Allentown Rolling Mill Co., PA --13-14
21. 1928 -- Feb 10, vaporizer explosion/fire, Beacon Oil Co. Refining Plant, Everett, MA⁷¹⁶-- 14
22. 1910 -- May 17, boiler explosion, American Sheet and Tin Plate Co., Canton, OH -- 13
23. 1860 -- Sep 24, boiler explosion, W. W. Wallace Marble Works, Pittsburgh, PA --10-12
24. 1897 -- July 06, wheat thrashing machine boiler explosion, Hartsville area, TN -- 9-12
25. 1911 -- Feb 08, boiler explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
26. 1901 -- Aug 18, blast furnace explosion, National Steel Co., Youngstown, OH -- 9-11
27. 1866 -- Sep 12, boiler explosion, S&G Rork Sawing Mill, Albany, NY -- 10
28. 1892 -- Mar 21, Lumber Co. mill No. 2 boiler explosion, East Jordan, MI -- 7-10
29. 1901 -- Mar 11, boiler explosion, Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10
30. 1908 -- Aug 10, boiler explosion, Susquehanna Iron & Steel Co., York, PA -- 10

Other:

- 1903 -- Mar 31, blast furnace explosion, Edgar Thomson Plant, Braddock, PA -- 9
- 1933 -- Mar 25, gasoline stove explosion under whisky still, home fire, ~Fargo, OK⁷¹⁷-- 7
- 1982 -- Jan 19, water heater explosion, Star Elementary School cafeteria, Spencer, OK-- 7
- 2010 -- Apr 02, explosion (heat exchanger), Tesoro Refinery, Anacortes, WA -- 7
- 1999 -- Feb 01, boiler explosion, Ford Motor's River Rouge complex, Dearborn, MI -- 6

⁷¹³ Cross-listed in Fire, Structural.

⁷¹⁴ Cross-listed under Fire.

⁷¹⁵ Cross-listed in Fires/Structural and in Violence/Trampling.

⁷¹⁶ Cross-listed in Fires-Structural. Most deaths were from the vaporizer explosion and a few from the resulting fire.

⁷¹⁷ When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.

Machinery Explosions – continued:

1891 -- June 3, Boiler Explosion, Dusard Brothers' Saw Mill, near Fayetteville, IN -- 5

EXPLOSIONS (Industrial/Commercial) Subset – MACHINERY, BOILERS, ENGINES
(Excludes Maritime/Mining) – CHRONOLOGICAL – Deadliest American

1. 1850 -- Feb 04, boiler explosion, Taylor & Co., Hague St., Manhattan, NY⁷¹⁸ --60-75
2. 1854 -- Mar 02 , boiler explosion/fire, Fales & Gray RR Car Works, Hartford, CT -- 21

3. 1866 -- Sep 12, boiler explosion, S&G Rork Sawing Mill, Albany, NY -- 10
4. 1867 -- June 06, Geasy & Ward's Cabinet Makers boiler explosion & fire, Philly, PA --22-27
5. 1867 -- Nov 08, boiler explosion, Reese & Co. Rolling-Mill, Pitt Township, PA --17-20

6. 1881 -- Jan 06, Big Puddle boiler explosion, Allentown Rolling Mill Co., PA --13-14
7. 1887 -- Apr 23, boiler explosion, Passaic Rolling Mills, Paterson, NJ -- 20
8. 1889 -- Feb 17, Park Central Hotel boiler explosion & bldg. collapse, Hartford, CT --21-23

- 1891 -- June 03, boiler explosion, Dusard Brothers' Saw Mill, near Fayetteville, IN -- 5
9. 1892 -- Mar 21, East Jordan Lumber Co. mill No. 2 boiler explosion, East Jordan, MI -- 7-10
10. 1895 -- Aug 19, boiler explosion and fire, Gumry Hotel, Denver, CO -- 25
11. 1895 -- Nov 06, *Evening Journal* Building boiler explosion and fire, Detroit, MI --37-40
12. 1897 -- July 06, wheat thrashing machine boiler explosion, Hartsville area, TN -- 9-12

13. 1901 -- Mar 11, boiler explosion, Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10
14. 1901 -- Aug 18, blast furnace explosion, National Steel Company, Youngstown, OH -- 9-11
15. 1901 -- Nov 26, boiler explosion and fire, Penberthy Injector Company, Detroit, MI --29-30
16. 1901 -- Dec 19, blast furnace gas explosion, Jones & Laughlin Com., Pittsburgh, PA --10-15
17. 1902 -- Aug 20, explosion, wood digesters, Delaware Pulp Mills, Wilmington, DE -- 17
18. 1902 -- Nov 29, boiler explosion, Swift & Co. Power Plant, Chicago, IL --13-15
- 1903 -- Mar 31, blast furnace explosion, Edgar Thomson Plant, Braddock, PA -- 9
19. 1905 -- Mar 20, boiler explosion/fire, Grover & Co. Shoe Factory, Brockton, MA -- 58
20. 1907 -- Jan 09, explosion, Eliza Furnaces, Jones & Laughlin Steel, Pittsburgh, PA --12-34
21. 1908 -- Aug 10, boiler explosion, Susquehanna Iron & Steel Company, York, PA -- 10

22. 1910 -- May 17, boiler explosion, American Sheet and Tin Plate Com., Canton, OH -- 13
23. 1910 -- Dec 29, boiler explosion, Morewood Lake Ice Com., south of Pittsfield, MA -- 17
24. 1911 -- Feb 08, boiler explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
25. 1912 -- Mar 18, boiler explosion, train engine, So. Pacific Yard, San Antonio TX -- 36
26. 1919 -- Nov 22, stove explosion/fire/crushing, dance hall/store, Ville Platte LA⁷¹⁹ --25-28

27. 1921 -- Sep 14, naphtha still explosion, Atlantic Refining Co., Point Breeze, Philly PA --14-16
28. 1928 -- Feb 10, vaporizer explosion/fire, Beacon Oil Co. Refining Plant, Everett, MA⁷²⁰-- 14

29. 1962 -- Oct 03, boiler explosion, NY Telephone Company building, Manhattan, NY -- 23

- 1982 -- Jan 19, water heater explosion, Star Elementary School cafeteria, Spencer, OK-- 7

⁷¹⁸ Cross-listed in Fire, Structural.

⁷¹⁹ Cross-listed in Fires/Structural and in Violence/Trampling.

⁷²⁰ Cross-listed in Fires-Structural. Most deaths were from the vaporizer explosion and a few from the resulting fire.

Explosions – Machinery – continued:

1999 -- Feb 01, boiler explosion, Ford Motor's River Rouge complex, Dearborn, MI	--	6
2010 -- Apr 02, explosion (heat exchanger), Tesoro Refinery, Anacortes, WA	--	7

EXPLOSION Subset – Deadliest American – OTHER or UNKNOWN Cause

1. 1887 -- Nov 1, Newman's Grocery Store and tenement explosion/fire,, St. Louis, MO -- 8-10
2. 1919 -- Jan 07, Film Exchange explosion and fire, Penn Ave., Pittsburgh, PA⁷²¹ --10-12
3. 1928 -- Apr 13, Bond Dance Hall explosion, building collapse/fire, West Plains, MO --37-40
4. 1946 -- Feb 02, Jennings Hall Home for Aged explosion and fire, Garfield Heights, OH-- 14
5. 1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI-11
6. 1955 -- Aug 10, Gateway Restaurant explosion (sewer gas?) and fire, Andover, OH⁷²²-- 22
7. 2010 -- Apr 20, drill rig *Deepwater Horizon* explosion, Gulf of Mexico, ~50M S of LA-- 11

⁷²¹ Cross-listed in Fire.

⁷²² Cross-listed in Fire-Structural.

Multiple-Death Fires (All Types --Top Ten)⁷²³

1. 1906 -- Apr 18, Earthquake, Fire, Landslides, San Francisco & vicinity, CA⁷²⁴ --3,000-5,000
2. 2001 -- Sep 11, World Trade Center Terrorist Attack and Fires, NYC, NY⁷²⁵ --2,666
3. 1871 -- Oct 8-9, Wildfires, both sides Bay of Green Bay, esp. Peshtigo; Birch Creek, MI--1,228-2,400
4. 1865 -- Apr 27, Steamer *Sultana* explodes/burns, MS. Riv., Redman Point, AR⁷²⁶--1,547-1,947
5. 1904 -- Jun 15, Fire, *General Slocum* Excursion Steamer, East Riv., NYC, NY -- 957-1,200
6. 1903 -- Dec 30, Fire, suffocation, trampling, Iroquois Theater, Chicago, IL⁷²⁷ -- 602
7. 1918 -- Oct 12, Forest Fires, Cloquet, Moose Lake, many towns, northeast MN --453-559
8. 1894 -- Sep 01, Wildfires, Hinckley; also Pokegama, Sandstone, MN; also WI/≥9 --445->500
9. 1942 -- Nov 28, Fire/trampling/suffocation, Coconut Grove Nightclub, Boston, MA⁷²⁸-- 498
10. 1900 -- Jun 30, Fire, Lloyd Piers, Ships, North German Line, Hoboken, NJ --300-400

⁷²³ Includes Forest/wildfires, maritime fires, structural fires and 911 terrorism event. Have used death toll for all types of death in the 1906 San Francisco earthquake, given uncertainty over range of deaths attributable solely to fire (burns, however, were the leading cause of death -- see 1906 SF Earthquake document.)

⁷²⁴ Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

⁷²⁵ Cross-listed in Violence-Terrorism section.

⁷²⁶ We are not implying that these deaths were all attributable to fire -- that is unknown. Many died from the explosion, some from scalding from the released boiler steam, some from drowning and others from hypothermia in the water, as examples. We do know that the boat burned to the waterline and many who could not swim stayed on the boat and burned to death, or burned to death when decks collapsed under or over them.

⁷²⁷ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷²⁸ Cross-listed in Violence-Crushing, Trampling, Suffocation.

FIRES -- FOREST, PRAIRIE and WILDFIRES -- By MORTALITY

1. 1871 -- Oct 8-9, wildfires, both sides Bay of Green Bay, esp. Peshtigo; Birch Creek, MI--1,228-2,400
2. 1918 -- Oct 12, forest fires, Cloquet, Moose Lake, many towns, northeast MN --453-559
3. 1894 -- Sep 01, wildfires, Hinckley; also Pokegama, Sandstone, MN; also WI \geq 9 --445->500
4. 1881 -- Sep 01-06, wildfire, "The Thumb Fire," Lower Peninsula, Michigan -->220->300
5. 1871 -- Oct 08-9, wildfires, esp. Port Huron, St. Clair Co., Manistee County, MI⁷²⁹--169~200
6. 2023 -- Aug 08, wildfires spurred on by hurricane Dora winds, Maui, esp. Lahaina, HI -- 100
7. 1910 -- Aug 20-Sep 9, wildfires, ID (84 deaths), MT (7 killed), WA (3 deaths) -- 94
8. 2018 -- Nov 8-11, esp. 8th-9th, wildfires, esp. Camp Fire (85), Butte Co., Paradise, CA -- 88
9. 1902 -- Sep 09-15, forest fires, NW OR and esp. Clark/Cowlitz counties, SW WA --58-65
10. 1908 -- Oct 15, wildfire (Nowicki train fire), NE MI, esp. Metz, Presque Isle Co.⁷³⁰ --37-47

11. 2020 -- Aug 11-Sep (deaths) west-coast wildfires, CA/33-34, OR/10-11, WA/1 --44-46
12. 1910 -- Oct 07, wildfire, Northern MN, esp. Baudette, Pitt, Spooner, MN --32-43
13. 2017 -- Oct 8-14, wildfires, Northern CA, esp. Sonoma/Napa/Mendocino/Yuma Cntys-- 42
14. 1933 -- Oct 03, urban wildfire, Griffin Park, Los Angeles, CA --28-33
15. 1991 -- Oct 20, wildfire/firestorm, East Bay Hills, Oakland/Berkeley Hills, CA -- 25
16. 2003 -- Oct 25-Nov 4, arson wildfires (esp. Cedar, Old Fire, Paradise), Southern CA⁷³¹--22-24
17. 1947 -- Oct 17-27, forest fires, CT/1, ME/16, MA/3, NH/1, esp. Mount Desert Isl. ME-- 21
18. 1894 -- July 26-31, forest fires, 8 counties, esp. Phillips, Price Counties, northern WI -- \geq 20
19. 2013 -- June 30, wildfire, Granite Mt. Hotshot Firefighters killed, Yarnell Hill, AZ -- 19
20. 1966 -- Nov 1-4, wildfires, Angeles Nat. Forest/12, Camp Pendleton/5, Oroville/1, CA-- 18
21. 1970 -- Sep 22-Oct 4, CA wildfires (some arson), esp. Laguna Fire, esp. Southern CA- 13-16
22. 1937 -- Aug 21, Blackwater Wildfire (lightning) kills firefighters, Shoshone Nat. For., WY-- 15
23. 1953 -- July 9, arson Rattlesnake Wildfire (firefighters killed), Mendocino Nat. Forest, CA--15
24. 1898 -- Feb 16-17, wildfires, SC -- 14
25. 1994 -- July 06, South Canyon Wildfire, Storm King Mt., Glenwood Springs, CO -- 14
26. 2008 -- June 20-Nov, wildfires (1st death July 3/last Sep 11), esp. Iron/Alps Complex CA-- 14
27. 2016 -- Nov 28, Chimney Tops 2 arson wildfire hits Gatlinburg, Sevier County, TN⁷³²-- 14
28. 1949 -- Aug 5, Mann Gulch forest fire overruns smokejumpers, Gates of the Mountains, MT--13
29. 1893 -- May, forest fire, lumber camp, near Cadillac MI --10-12
30. 1911 -- July 11, wildfire, Northeast Mich., esp. Au Sable, Oscoda on Lake Huron -- 5-12
31. 2006 -- Mar 12, wildfire (fire/evac. accidents, 7 direct 5 indirect), Northeastern TX -- 12
32. 1936 -- Sep 26-29, wildfires, SW OR, esp. Bandon & Prosper (Sep 26), (also NO CA)-- 11
33. 1943 -- Oct 03, Hauser Creek Wildfire, Cleveland National Forest, So. CA -- 11
34. 1956 -- Nov 25, Inaja wildland fire, firefighters trapped, Cleveland National Forest, CA -- 11
35. 2018 -- July 13-Sep 19, wildfires, Carr/8, Ferguson/2, Mendocino Complex/1, CA -- 11
36. 1867 -- Oct 07, prairie fire, Gov. stock yard and Indian Camp, Fort Ransom, ND -- 10
37. 2007 -- Oct 20-Nov 09, wildfires (23), Southern CA -- 10

⁷²⁹ This is not a double counting of deaths of those in the Peshtigo/upper MI listing above, which were unconnected.

⁷³⁰ The Nowicki Siding train derailment and burning (15-16 fatalities) is cross-listed in Rail.

⁷³¹ Cross-listed in Violence-Arson.

⁷³² Cross-listed in Violence-Arson.

FIRES -- FOREST, PRAIRIE and WILDFIRES -- By MORTALITY (continued)

Some Select Other Wildfires taking fewer than ten lives:

1938 -- Oct 19, Pepper Hill forest fire (arson), ~Sinnemahoning, Cameron Co., PA	--	8
2012 -- Mar-July 01, wildfires, Western U.S., esp. CA, CO, MT, UT, WY	--	8
1955 -- Sep 02, wildfire, 5 youths & fire cpt., fighting arson brush fire, Puente Hills, CA	--	6
2006 -- Oct 26, Esperanza wildfire traps USFS firefighters, San Jacinto Mts. So. CA	--	5
1938 -- Oct 10-11, forest fires, border area of Ontario (19) and MN (3)	--	3
1825 -- Oct 07, Miramichi wildfires, (New Brunswick, Canada, ≥ 160); northern ME (0)	--	0

FIRES -- FOREST, PRAIRIE & WILDFIRES -- CHRONOLOGICAL

- 1825 -- Oct 7, wildfires, Miramichi (New Brunswick, Canada, ≥ 160); northern ME (0)-- 0
1. 1867 -- Oct 07, prairie fire, Government stock yard and Indian Camp, Fort Ransom, ND-- 10
 2. 1871 -- Oct 8-9, wildfires, both sides Bay of Green Bay, esp. Peshtigo; Birch Creek, MI --1,228-2,400
 3. 1871 -- Oct 8-9, wildfires, esp. Port Huron, St. Clair Co., Manistee County, MI⁷³³--169~200
 4. 1881 -- Sep 01-06, wildfire, "The Thumb Fire," Lower Peninsula, Michigan -->220->300
 5. 1893 -- May, forest fire, lumber camp, near Cadillac MI --10-12
 6. 1894 -- July 26-31, forest fires, 8 counties, esp. Phillips, Price Counties, northern WI -- ≥ 20
 7. 1894 -- Sep 01, wildfires, Hinckley; also Pokegama, Sandstone, MN; also WI/ ≥ 9 --445->500
 8. 1898 -- Feb 16-17, wildfires, SC -- 14
 9. 1902 -- Sep 09-15, forest fires, NW OR and esp. Clark/Cowlitz counties, SW WA --58-65
 10. 1908 -- Oct 15, wildfire (Nowicki Train Fire), NE MI, esp. Metz, Presque Isle Co.⁷³⁴ --37-47
 11. 1910 -- Aug 20-Sep 9, wildfires, ID (84 deaths), MT (7 killed), WA (3 deaths) -- 94
 12. 1910 -- Oct 07, wildfire, northern MN, esp. Baudette, Pitt, Spooner, MN --32-43
 13. 1911 -- July 11, wildfire, northeaster Mich., esp. Au Sable, Oscoda on Lake Huron -- 5-12
 14. 1918 -- Oct 12, forest fires, Cloquet, Moose Lake, many towns, northeast MN --453-559
 15. 1933 -- Oct 03, urban wildfire, Griffin Park, Los Angeles, CA --28-33
 16. 1936 -- Sep 26-29, wildfires, SW OR, esp. Bandon & Prosper (Sep 26), (also NO CA)-- 11
 17. 1937 -- Aug 21, Blackwater Wildfire (lightning) kills firefighters, Shoshone Nat. For., WY-- 15
 - 1938 -- Oct 10-11, forest fires, border area of Ontario (19) and MN (3) -- 3
 - 1938 -- Oct 19, forest fire (arson), Pepper Hill, ~Sinnemahoning, Cameron Co., PA -- 8
 18. 1943 -- Oct 03, Hauser Creek Wildfire, Cleveland National Forest, Southern CA -- 11
 19. 1947 -- Oct 17-27, forest fires, CT/1, ME/16, MA/3, NH/1, esp. Mount Desert Isl. ME-- 21
 20. 1949 -- Aug 5, Mann Gulch forest fire overruns smokejumpers, Gates of the Mountains, MT-13
 21. 1953 -- July 9, arson Rattlesnake Wildfire (firefighters killed), Mendocino Nat. Forest, CA--15
 - 1955 -- Sep 02, wildfire, 5 youths, Fire Cpt., fighting arson brush fire, Puente Hills, CA-- 6
 22. 1956 -- Nov 25, Inaja wildland fire, firefighters trapped, Cleveland National Forest, CA -- 11
 23. 1966 -- Nov 1-4, wildfires, Angeles Nat. Forest/12, Camp Pendleton/5, Oroville/1, CA-- 18
 24. 1970 -- Sep 22-Oct 4, CA wildfires (some arson), esp. Laguna Fire, esp. Southern CA- 13-16
 25. 1991 -- Oct 20, wildfire/firestorm, East Bay Hills, Oakland/Berkeley Hills, CA -- 25
 26. 1994 -- Jul 06, South Canyon Wildfire, Storm King Mt., Glenwood Springs, CO -- 14

⁷³³ This is not a double counting of deaths of those in the Peshtigo/upper MI listing above, which were unconnected.

⁷³⁴ The Nowicki Siding train derailment and burning (15-16 fatalities) is cross-listed in Rail.

FIRES -- FOREST, PRAIRIE & WILDFIRES -- CHRONOLOGICAL

27. 2003 -- Oct 25-Nov 4, Arson Wildfires (esp. Cedar, Old Fire, Paradise), Southern CA⁷³⁵-22-24
28. 2006 -- Mar 12, Wildfire (fire/evac. accidents, 7 direct 5 indirect), Northeastern TX -- 12
2006 -- Oct 26, Wildfire, Esperanza fire traps USFS Firefighters, San Jacinto Mts. So. CA-- 5
29. 2007 -- Oct 20-Nov 9, Wildfires (23), Southern CA -- 10
30. 2008 -- June 20-Nov, Wildfires (1st death July 3/last Sep 11), esp. Iron/Alps Complex CA-- 14

2012 -- March-July 1, Wildfires, Western U.S., esp. CA, CO, MT, UT, WY -- 8
31. 2013 -- June 30, Wildfire, Granite Mt. Hotshot Firefighters killed, Yarnell Hill, AZ -- 19
32. 2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN⁷³⁶-- 14
33. 2017 -- Oct 8-14, wildfires, northern CA, esp. Sonoma/Napa/Mendocino/Yuma counties-- 42
34. 2018 -- July 13-Sep 19, Wildfires, Carr/8, Ferguson/2, Mendocino Complex/1, CA -- 11
35. 2018 -- Nov 8-11, esp. 8th-9th, Wildfires, esp. Camp Fire (85), Butte Co., Paradise, CA -- 88

36. 2020 -- Aug 11-Sep (deaths) west-coast wildfires, CA/33-34, OR/10-11, WA/1 --44-46
37. 2023 -- Aug 08, wildfires spurred on by hurricane Dora winds, Maui, esp. Lahaina, HI -- 100
38.

⁷³⁵ Cross-listed in Violence-Arson.

⁷³⁶ Cross-listed in Violence-Arson.

FIRE -- Structural -- Deadliest American -- By MORTALITY

1. 1906 -- Apr 18, Earthquake, Fire, Landslides, San Francisco & vicinity, CA⁷³⁷ --3,000-5,000
2. 2001 -- Sep 11, World Trade Center Terrorist Attack and Fires, NYC, NY⁷³⁸ --2,666
3. 1903 -- Dec 30, Fire, suffocation, trampling, Iroquois Theater, Chicago, IL⁷³⁹ -- 602
4. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA⁷⁴⁰-- 498
5. 1900 -- June 30, North German Lloyd Line Fire, Piers & Ships, Hoboken, NJ --325-400
 - 9 *Bremen* (crew). Hoboken Historical Museum.
 - 0 *Kaiser Wilhelm der Grosse*. Hoboken Historical Museum.
 - 44 *Main*. Hoboken Historical Museum. CD-ROM: 1900 Hoboken Pier Fire.
 - 99 *Saale*. Eastlake, Russell, Sharpe. *World Disasters*. "Saale, New York." 2001, 30.
 - 173 "...on the piers." Hoboken Historical Museum.
6. 1892 -- Jun 05, Dam Failure, Oil Fire, Titusville, Oil City, PA⁷⁴¹ -- 350
7. 1930 -- Apr 22, Ohio State Penitentiary Fire, Columbus, OH --320-322
8. 1871 -- Oct 08–10, Conflagration, The Great Chicago Fire, IL --250-300
9. 1876 -- Dec 05, Conway Theater Fire, Trampling, Suffocation, Brooklyn, NY⁷⁴² --284-300
10. 1940 -- Apr 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209

11. 1865 -- Feb 18, gunpowder explosion/fire, Northeastern RR Depot, Charleston, SC⁷⁴³--150-200
12. 1908 -- Mar 04, fire, trampling, Lake View Elementary School, Collinwood, OH⁷⁴⁴--175-176
13. 1908 -- Jan 13, fire and trampling, Rhoads Opera House, Boyertown, PA⁷⁴⁵ -- 170
14. 1944 -- July 06, Barnum & Ringling Broth. Circus fire, Stampede, Hartford, CT --168-169
15. 1995 -- Apr 19, terrorism, Alfred P. Murrah Federal bldg. bombing, Oklahoma City⁷⁴⁶-- 168
16. 1977 -- May 28, Beverly Hills Supper Club fire, Southgate, KY -- 165
17. 1911 -- Mar 25, Triangle Shirtwaist Company fire, NYC, NY --146-147
18. 1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA⁷⁴⁷ -- 90-145
19. 1944 -- Oct 20, LNG tank explosions & fire, East Ohio Gas Co., Cleveland, OH⁷⁴⁸ --128-136
20. 1929 -- May 15, Cleveland Clinic (Hospital) fire, Cleveland, OH -- 125
21. 1946 -- Dec 07, Hotel Winecoff fire, Atlanta, GA -- 119
22. 2003 -- Feb 20, The Station Nightclub fire and trampling deaths, West Warwick, RI⁷⁴⁹-- 100
23. 1986 -- Dec 31, Dupont Plaza Hotel and Casino arson fire, San Juan, Puerto Rico⁷⁵⁰ -- 97
24. 1958 -- Dec 01, Our Lady of the Angels Elementary School fire, Chicago, IL -- 95
25. 1883 -- Jan 10, Newhall House (Hotel) fire (suspected arson), Milwaukee, WI --~71--~90

⁷³⁷ Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

⁷³⁸ Cross-listed in Violence-Terrorism section.

⁷³⁹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷⁴⁰ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷⁴¹ Cross-listed in Dam Failures

⁷⁴² Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷⁴³ Appears that majority of deaths, if not the great majority, were from the explosion. A very large fire though, destroyed a roughly four-block area. Deaths from fire were reported, though without noting the number.

⁷⁴⁴ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷⁴⁵ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷⁴⁶ Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).

⁷⁴⁷ Cross-listed in structural failures – while the most died in collapse, at least 14 trapped died when the fire started.

⁷⁴⁸ Cross-listed in Explosions. At least 32 died in fires in nearby houses.

⁷⁴⁹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁷⁵⁰ Cross-listed in Violence-Mass Murder.

26. 1990 -- Mar 25, Happy Land Social Club arson fire, Bronx, NY ⁷⁵¹	-- 87
27. 1980 -- Nov 21, MGM Grand Hotel fire, Las Vegas, NV	-- 85
28. 1993 -- Feb 1993, FBI/ATF siege & fire, Branch Davidian Compound, Waco TX ⁷⁵²	-- 82
29. 1923 -- May 17, Cleveland School District fire, Kershaw County, near Camden, SC	-- 77
30. 1811 -- Dec 26, Theatre fire, Richmond, VA	--61-75
31. 1850 -- Feb 04, boiler explosion and fire, Taylor & Co., Hague St., Manhattan, NY ⁷⁵³	--60-75
32. 1875 -- May 27, Holyoke Catholic Church fire, Holyoke, MA	-- 75
33. 1949 -- Apr 04-5, St. Anthony's Hospital fire (including 13 babies), Effingham IL	-- 75
34. 1957 -- Feb 17, Katie Jane Nursing Home fire, Warrington, MO	-- 72
35. 1936 -- Apr 06, tornado and fire, Cooper Pants Factory, Gainesville, GA ⁷⁵⁴	--40-70

FIRE – Structural – Master List – Deadliest American -- By MORTALITY -- (Cont.)

36. 1963 -- Nov 23, Golden Age Nursing Home Fire, Fitchville, OH	-- 63
37. 1946 -- Jun 05, LaSalle Hotel Fire, Chicago, IL	-- 61
38. 1905 -- Mar 20, Boiler explosion/fire, Grover & Co. Shoe Factory, Brockton, MA ⁷⁵⁵	-- 58
39. 1943 -- Sep 07, Fire, Gulf Hotel (and inexpensive rooming house), Houston, TX	-- 55
40. 1965 -- Aug 09, Titan II ICBM Silo Fire leading to Suffocation, near Searcy, AR	-- 53
41. 1918 -- July 02, Semet-Solvay Co. TNT Plant Fire/Explosions, Split Rock, NY ⁷⁵⁶	-- 50
42. 1960 -- Dec 19, Fire, <i>U.S.S. Constellation</i> , New York Naval Shipyard, NY	-- 50
43. 1931 -- July 24, Home for the Aged Fire, Pittsburgh, PA	-- 48
44. 1899 -- Mar 17, Fire, Windsor Hotel, Fifth Avenue, New York, NY	-- 45
45. 1850 -- July 09, Fire/Conflagration, Old City Philadelphia, PA	-- 44
46. 1894 -- Dec 24, Fire, Chrisman Bros. Hall, Silver Lake, Lake County, OR	-- 43
47. 1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN ⁷⁵⁷	-- 42
48. 1872 -- Nov 9-10, Conflagration (“Great Boston Fire of 1872”), Boston, MA	--25-41
49. 1893 -- Feb 09, Fire, Strafford County Workhouse, near Dover, NH	-- 41
50. 1950 -- Jan 07, Fire, Women's Psychopathic Building, Mercy Hospital, Davenport IA	-- 41
51. 1968 -- Apr 05, Gas and Gunpowder Explosion, Fire, Richmond, IN	-- 41
52. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof falls, Staten Island NY ⁷⁵⁸	-- 40
53. 1918 -- Apr 13, Fire, Oklahoma State Hospital for the Insane, Norman, OK	--39-40
54. 1888 -- Nov 09, Fire, Steam-Gauge and Lantern Works, Rochester, NY	--34-38
55. 1967 -- July 16, Riot and Fire, State Prison Road Camp 12 barracks, Jay, FL	-- 38
56. 1914 -- Mar 08, Fire, wall fall (17 th) Missouri Athletic Club (Lodging), St. Louis, MO ⁷⁵⁹	-- 37
57. 1946 -- Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC	-- 37

⁷⁵¹ Cross-listed in Violence-Mass Murder.

⁷⁵² Cross-listed in Violence, Government Use of Force

⁷⁵³ Cross-listed in Explosions.

⁷⁵⁴ Cross-listed in Tornadoes. There were ~203 tornado deaths, including those from this fire. Most probably some of these deaths can be attributed to the destruction of the building. Many, mostly girls and women, had sought safety in the basement, only to be trapped when the building was destroyed and caught fire.

⁷⁵⁵ Cross-listed in Explosions.

⁷⁵⁶ Cross-listed in Explosions.

⁷⁵⁷ Cross-listed in Violence-Arson.

⁷⁵⁸ Cross-listed in Explosions and Structural/Construction. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

⁷⁵⁹ Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.

58.	1924 -- Dec 24, Babbs Switch School fire, Hobart, OK	-- 36
59.	2016 -- Dec 02, Fire, rave party in warehouse, Fruitvale district, Oakland, CA	-- 36
60.	1903 -- Nov 21, Railroad Workmen "shanty" fire, near Lilly (~Johnstown), PA	--31-35
61.	1913 -- July 21, fire, convict cage, Oakley Convict Farm, Hinds County, MS	-- 35
62.	1913 -- July 22, fire, Binghamton Clothing Company, New York City, NY	-- 35
63.	1938 -- May 16, Terminal Hotel fire, Atlanta, GA	-- 35
64.	1941 -- Aug 18, fire, NY & Cuba Mail Steam Ship Co. Piers, <i>Panuco</i> , Brooklyn, NY	--34-35
65.	1953 -- Mar 29, fire, Littlefield Nursing Home, Largo, FL ⁷⁶⁰	--33-35
66.	1934 -- Dec 11, Kerns Hotel fire, Grand Avenue, Lansing, MI	-- 34
67.	1884 -- Jan 05, Immaculate Conception Academy (Convent/School) fire, Belleville, IL	-- 32
68.	1943 -- Jan 31, Lake Forest Park Sanitarium fire, ⁷⁶¹ Lake Forest Park, WA	-- 32
69.	1970 -- Jan 09, Harmer House Convalescent Home fire (cigarette), Marietta OH ⁷⁶²	--31-32
70.	1973 -- June 24, gay UpStairs Cocktail Lounge arson fire, New Orleans, LA ⁷⁶³	-- 32
71.	1901 -- Jan 08, orphan asylum fire/boiler explosion, Rochester, NY	-- 31
72.	1981 -- Jan 09, Beachview Rest Home (sheltered care facility) fire, Keansburg, NJ	-- 31
73.	1845 -- July 19, fire and explosion, New, Broad, Beaver, Broadway streets, NYC, NY ⁷⁶⁴	-- 30
74.	1851 -- May 03-04, conflagration, "Fifth Great Fire," San Francisco, CA	-- ~14~30
75.	1858 -- Feb 20, Pacific Hotel fire, St. Louis, MO	--21-30
76.	1880 -- Nov 15, Minnesota State Asylum for Insane fire, St. Paul, MN	--24-30
77.	1892 -- Feb 07, Hotel Royal fire, Fortieth Street & Sixth Avenue, NYC, NY	--28-30
78.	1916 -- Mar 06, jail fire, "El Holocausto," or the "Jail Holocaust," El Paso, TX	--18-30

FIRE – Structural – Master List – By MORTALITY -- (continued)

79.	1955 -- Feb 12, Barton Hotel fire, sub-zero temp., "skid row," W Madison, Chicago, IL	-- 29
80.	1970 -- Dec 20, Pioneer International Hotel arson fire, Tucson, AZ ⁷⁶⁵	-- 29
81.	1982 -- Nov 08, Harrison County Jail fire (intentionally set by inmate), Biloxi, MS	-- 29
82.	1850 -- Dec 03, Maine Insane Asylum fire, Augusta, ME	-- 28
83.	1913 -- Dec 02, Arcadia Boarding House ("Hotel"/flop house) fire, Boston, MA	-- 28
84.	1919 -- Nov 22, stove explosion/fire/crushing, dance hall/store, Ville Platte LA ⁷⁶⁶	--25-28
85.	1857 -- Oct 19, fire, brothel, stores, warehouses, S. Water Street, Chicago, IL	-- 27
86.	1923 -- Feb 18, Manhattan State Hospital fire, Ward's Island, NY	-- 27
87.	1841 -- Aug 20, fire, gunpowder explosion, carpenter's shop, Syracuse, NY ⁷⁶⁷	-- 26
88.	1916 -- May 10, explosion, fire, trampling, theater, Wallaceton, VA	--13-26
89.	1980 -- Dec 04, fire, Conference Ctr. at Stouffer's Inn (possibly arson), ⁷⁶⁸ Harrison, NY	-- 26
90.	1874 -- Sep 19, fire, Granite Mill (factory) No. 1, fall River, MA	--23-25
91.	1884 -- Dec 18, fire, St. John's Home Catholic Orphan Asylum, Brooklyn, NY	--23-25

⁷⁶⁰ 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.

⁷⁶¹ For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.

⁷⁶² 32 deaths was initial finding. Later it was thought one might have been due to unspecified natural causes.

⁷⁶³ Cross-listed in Violence-Mass Murder.

⁷⁶⁴ Cross-listed in Explosions.

⁷⁶⁵ Cross-listed in Violence-Mass Murder.

⁷⁶⁶ Cross-listed in Explosions and in Violence/Trampling.

⁷⁶⁷ Cross-listed in Explosions.

⁷⁶⁸ A waiter was charged with arson and 26 counts of murder and found guilty by jury; however, the presiding judge overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

92.	1901 -- Oct 25, fire, Hunt & Wilkinson Co. Furniture Warehouse, Philadelphia PA	--21-25
93.	1903 -- Nov 01, "House of All Nations" Tenement Fire, Eleventh Ave., NYC, NY	-- 25
94.	1910 -- Nov 26, Fire, Asch Factory, Orange & High Sts., Newark, NJ	-- 25
95.	1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ ⁷⁶⁹	-- 25
96.	1967 -- Feb 07, Dale's Penthouse Restaurant Fire, Montgomery, AL	-- 25
97.	1973 -- Nov 15, fire, Stratford Apartments building, Los Angeles, CA	-- 25
98.	1976 -- Oct 24, Arson Fire, Puerto Rican Social Club, Bronx, NY	-- 25
99.	1979 -- Apr 2, Wayside Inn Boarding Home/Care Facility Fire, Farmington, MO	-- 25
100.	1982 -- Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA ⁷⁷⁰	--24-25
101.	1991 -- Sep 03, Chicken Processing Plant Fire, Hamlet, NC	-- 25

FIRE – **Structural** – **Master List** – **Deadliest American** -- **By MORTALITY** -- (Cont.)

102.	1886 -- Dec 28, fire, ex-steamer/boarding house <i>Bradish Johnson</i> , Jackson, AL	-- ~24
103.	1910 -- Dec 22-23, Nelson-Morris Meatpacking Plant fire, Stockyards, Chicago, IL	-- 24
104.	1924 -- May 31, Hope Development School fire, Playa Del Rey, near Venice CA	-- 24
105.	1958 -- Mar 19, Monarch Underwear Company fire and floor collapse NYC, NY	-- 24
106.	1974 -- June 30, Gulliver's Discotheque fire of incendiary origin, Port Chester, NY	-- 24
107.	1976 -- Jan 30, Wincrest Nursing Home arson fire, Chicago, IL	-- 24
108.	1980 -- July 26, Brinley Inn Boarding Home (mental impairment) fire, Bradley Beach, NJ--	24
109.	1822 -- Jan 24, Philadelphia Orphan Asylum fire, Schuylkill & Cherry, Philadelphia PA--	23
110.	1927 -- Apr 23, Briggs Manufacturing Company fire and explosions, Detroit, MI	-- 23
111.	1872 -- Dec 10, Fifth Avenue Hotel fire, New York, NY	-- 22
112.	1929 -- Sep 20, Study Club Dance Hall fire, Detroit, MI	-- 22
113.	1934 -- Mar 24, Federal Transient Bureau Lodging fire, Lynchburg, VA	-- 22
114.	1944 -- Mar 28, New Amsterdam Hotel arson fire, San Francisco, CA ⁷⁷¹	-- 22
115.	1955 -- Aug 10, Gateway Restaurant explosion (sewer gas?) and fire, Andover, OH ⁷⁷² --	22
116.	1963 -- Dec 29, Hotel Roosevelt fire, Jacksonville, FL	-- 22
117.	1972 -- Sep 24, plane crash and fire, Farrell's Ice Cream Parlor, Sacramento, CA ⁷⁷³	-- 22
118.	1864 -- Jun 17, Washington Arsenal explosion and fire, Greenleaf Point, ⁷⁷⁴ DC ⁷⁷⁵	-- 21
119.	1877 -- Apr 11, Southern Hotel fire, St. Louis, MO	--16-21
120.	1910 -- Oct 01, Los Angeles Trade Unionist dynamiting and fire, <i>LA Times</i> , CA	-- 21
121.	1915 -- Oct 28, St. John's Parochial School fire and trampling, Peabody, MA ⁷⁷⁶	-- 21
122.	1928 -- Nov 08, Preble Box Toe Co. Plant and house explosion, fire, Lynn, MA ⁷⁷⁷	--20-21
123.	1945 -- Dec 24, Niles Street Convalescent Hospital fire, Hartford, CT	-- 21
124.	1959 -- Mar 5, fire, Negro Boys Industrial School Reformatory dorm, Wrightsville AR--	21
125.	1951 -- Jan 30, McClary Convalescent Home (for aged) incinerator fire, Hoquiam, WA--	21
126.	1965 -- Nov 24, natural gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA ⁷⁷⁸ --	21

⁷⁶⁹ Ex-mental patient and arsonist arrested and "confessed," but was not indicted.

⁷⁷⁰ Cross-listed in Violence-Mass Murder.

⁷⁷¹ Cross-listed in Violence subset Arson.

⁷⁷² Cross-listed in Explosions.

⁷⁷³ Cross-listed in Aviation.

⁷⁷⁴ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁷⁷⁵ Cross-listed in "Explosions."

⁷⁷⁶ Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.

⁷⁷⁷ Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.

127. 1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ⁷⁷⁹ -- 21

FIRE – Structural – Master List – Deadliest American – By MORTALITY -- (continued)

128. 1849 -- May 17, fire, 27 boats, much of wharf & business district, St. Louis, MO -- 3-20
129. 1860 -- Feb 02, tenement building fire, 142 Elm Street, East Manhattan, NY, NY --10-20
130. 1865 -- Feb 08, conflagration fire, Philadelphia, PA -- 20
131. 1885 -- Feb 12, arson fire, Department for Insane, Blockley Almshouse, Philly, PA --19-20
132. 1888 -- Aug 03, fire, tenement house, 197 Bowery, NY, NY --17-20
133. 1898 -- Feb 09, fire & explosions, Chautauqua Lake Ice Co. bldg., Pittsburgh, PA⁷⁸⁰--14-20
134. 1902 -- Feb 22, fire, Park Avenue Hotel, New York City, NY -- 20
135. 1905 -- Mar 14, fire, tenement, Allen St., New York City, NY -- 20
136. 1907 -- July 28, fire, tenement house, 222 Chrystie Street, East Side, NYC, NY --19-20
137. 1913 -- Feb 28, Dewey Hotel fire and possible gas explosion, Omaha, NE -- 5-20
138. 1943 -- Feb 18, Boeing XB-29 crash into Frye Packing Plant, fire, Seattle, WA⁷⁸¹ -- ~20
139. 1952 -- Oct 31, Cedar Grove Nursing Home fire, Hillsboro, MO --18-20
140. 1961 -- Jan 06, Thomas Hotel fire, San Francisco, CA -- 20
141. 1964 -- Dec 18, Maples (McGraw) Convalescent Home fire, Fountaintown, IN -- 20
142. 1970 -- Mar 20, arson fire, Ozark Hotel, Westlake Ave./Lenora St., Seattle, WA -- 20
143. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explos./fire, Fremont, NE⁷⁸²-- 20
144. 1978 -- Jan 28, fire, Coates House Hotel (many low-income elderly), Kansas City, MO-- 20
145. 1993 -- Mar 16, fire, Paxton Hotel, Chicago, IL -- 20
146. 1892 -- Jan 21, Surgical Institute (hospital) fire, IL and GA streets, Indianapolis, IN -- 19
147. 1893 -- July 10, fire, Columbia Exposition Cold Storage Warehouse, Chicago, IL --17-19
148. 1908 -- Apr 12, The Great Chelsea Fire/Conflagration of 1908, Chelsea, MA --15-19
149. 1940 -- Jan 03, fire, Marlborough (apartments) Hotel, Minneapolis, MN -- 19
150. 1943 -- Dec 24, fire, Standard Hotel, West 42nd Street between 9th and 10th, NYC, NY-- 19
151. 1945 -- Feb 17, fire from welding in candy co., Maefair Apartments, Tacoma, WA -- 19
152. 1946 -- June 09, Canfield Hotel fire, Dubuque, IA -- 19
153. 1956 -- July 29, fire/explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX⁷⁸³-- 19
154. 1970 -- Sep 13, Ponet Square Hotel fire, Los Angeles, CA -- 19
155. 1981 -- Mar 14, Royal Beach Hotel (residential) fire, Chicago, IL -- 19
156. 1876 -- Mar 07, fire, Home for the Aged, East Brooklyn, NY -- 18
157. 1885 -- Jan 18, Illinois Eastern Hospital for Insane fire, Kankakee, IL -- 18
158. 1885 -- May 21, stove explodes, fire, Sullivan's Printing Building, Cincinnati, OH -- 18
159. 1888 -- Aug 22, fire and bleach explosion, G. Whiting Paper Mill, Neenah, WI⁷⁸⁴ -- 18

⁷⁷⁸ Cross-listed in Explosions. Seven died night of explosion and fire. Others died from burn injuries afterwards.

⁷⁷⁹ Cross-listed in Violence-Arson, Manslaughter, Homicide.

⁷⁸⁰ Cross-listed in Explosions. It is not clear whether the fire or the first explosion came first. Most of the fatalities were explosion-related – walls falling and building components failing.

⁷⁸¹ The number twenty is an approximation in that it is not known how many Frye employees were killed directly by the crash and how many died in the resulting large fire. There were 32-34 fatalities in all (though one source has 41), of which 10 were onboard the XB-29. Cross-listed in Aviation.

⁷⁸² Cross-listed in Explosions.

⁷⁸³ Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.

160. 1923 -- Dec 26, fire, Illinois State Hospital for the Insane, Dunning, IL -- 18
 161. 1951 -- Sep 17, Shell Refinery cracking unit explos./fire, Roxana, Wood River, IL⁷⁸⁵-- 18
 162. 1953 -- Sep 07, fire, Spector Realty Co. tenement building, State St., Chicago, IL -- 18
 163. 1957 -- Nov 16, fire, tenement (ex-Moonglow Hotel), Allen Ave., Niagara falls, NY-- 18

FIRE-Structural -- Master List -- By MORTALITY -- (continued):

164. 1881 -- Feb 27, fire, St. Patrick's Orphanage, Scranton, PA -- 17
 165. 1881 -- Dec 10, boarding house lamp fire, Rock Cut, near Pittsburgh, PA --16-17
 166. 1899 -- Feb 12, fire, State Insane Asylum, near Yankton, SD -- 17
 167. 1945 -- Jan 31, fire, Lacoste Babies' Boarding Home and Nursery, Auburn, ME -- 17
 168. 1952 -- Nov 26, fire, female ward, Huntington State Mental Hosp., Huntington, WV-- 17
 169. 1957 -- Feb 13, fire, Council Bluffs Convalescent Home, Council Bluffs, IA --16-17
 170. 1964 -- May 23, Samoan Fire-Dance fire, All Hallows Parish Hall, San Fran., CA -- 17
 171. 1984 -- July 24, Union Oil Co. Refinery explosions and fire, Romeoville, IL⁷⁸⁶ -- 17
 172. 2022 -- Jan 09, space-heater related fire (9 adults/8 children), apt. bldg., Bronx, NY -- 17
173. 1878 -- Apr 07, fire, Steuben County House (poor house/insane asylum), Bath, NY --15-16
 174. 1883 -- Aug 23, George-Whiting Paper Mill fire and explosion, Menasha, WI -- 16
 175. 1895 -- Dec 31, Delavan House (Hotel) fire, Albany NY -- 16
 176. 1898 -- Mar 16, Ayer Bldg. (mercantile), fire/explosion, Wabash Ave., Chicago, IL -- 16
 177. 1900 -- Mar 12, Italian tenement building arson fire (charged), Newark, NJ⁷⁸⁷ -- 16
 178. 1919 -- May 19, Mental Asylum fire, Columbia, SC -- 16
 179. 1921 -- Sep 14, explosion/fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA⁷⁸⁸--16
 180. 1936 -- Feb 12, Victoria Mansion Hotel fire, Lexington & Seventh, Lakewood, NJ -- 16
 181. 1959 -- Jan 08, home wood stove fire (15 children and woman), Boswell, OK -- 16
 182. 1961 -- Dec 08, Hartford Hospital fire, Hartford, CT -- 16
 183. 1977 -- Jan 28, Stratford Hotel fire (early a.m., below zero), Breckenridge, MN -- 16
 184. 1989 -- Dec 24, John Seiver Elderly Residence Fire, Johnson City, TN -- 16
 185. 2003 -- Feb 26, Greenwood Nursing Home fire (set by patient), Hartford, CT -- 16
 186. 2003 -- Sep 25, National Healthcare Center Nursing Home fire, Nashville, TN -- 16
187. 1860 -- Sep 21, Building falls during fire and explosion (alcohol), New Orleans, LA⁷⁸⁹-- 15
 188. 1867 -- Jun 19, Fox's American Theater fire, Philadelphia, PA --10-15
 189. 1881 -- Jan 07, fire, Strafford County Farm [for paupers], near Dover, NH --13-15
 190. 1883 -- Apr 07, structural failure and fire, Ende Hotel, Greenville, TX⁷⁹⁰ --13-15
 191. 1884 -- Apr 30, Michigan Poorhouse fire, Van Buren County, near Harford, MI --13-15
 192. 1887 -- Mar 18, fire, Richmond Hotel (Young Men's Assn.), Buffalo, NY -- 15
 193. 1903 -- Dec 18, fire, women's dormitory Walden University, Nashville, TN -- 9-15
 194. 1904 -- June 04, Corning Distillery fire, explosions, building collapse, Peoria, IL -- 15

⁷⁸⁴ Cross-listed in Explosions (the cause of most, if not all, of the deaths).

⁷⁸⁵ Cross-listed in Explosions.

⁷⁸⁶ Cross-listed in Explosions, because fires were started by explosions.

⁷⁸⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁷⁸⁸ Cross-listed in Explosions.

⁷⁸⁹ Cross-listed in Explosions (the explosion caused the building to fall, which was the cause of deaths).

⁷⁹⁰ Cross listed in Structural Failures.

195.	1904 -- Sep 04, fire, 5-story tenement, Attorney Street, New York City, NY	-- 15
196.	1906 -- Oct 25, fire, Chamber of Commerce building, Kansas City, KS	-- 15
197.	1922 -- Oct 22, fire, apartment house, Lexington Avenue, NY, NY	-- 15
198.	1945 -- Aug 13, fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI--	15
199.	1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV	--14-15
200.	1950 -- Mar 08, fire, prisoner jail, Sandia Secret Weapons Base, Albuquerque, NM	-- 15
201.	1954 -- Mar 31, fire, Cleveland Hill Elementary School, Cheektowaga, NY	-- 15
202.	1957 -- Jan 24, M. Baer Dress Co. factory fire, New Haven, CT	-- 15
203.	1971 -- Oct 19, fire, Geiger Nursing Home (sedated patients), Texas Township, PA	--all 15
204.	1973 -- Dec 04, Caley Nursing and Rehabilitation Center fire, Wayne, PA	-- 15
205.	1978 -- Dec 09, Ellisville State School/mental hosp., women's dorm fire, Ellisville, MS--	15
206.	1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA ⁷⁹¹	-- 15
207.	1984 -- Oct 18, arson fire, Alexander Hamilton (residential) Hotel, Paterson, NJ ⁷⁹²	-- 15

FIRE – Structural – By MORTALITY -- (continued)

208.	1890 -- Feb 02, shop and tenement fire, North Street, Boston, MA	--12-14
209.	1892 -- Apr 27, fire, Gilmore's Central Theater, Philadelphia, PA	-- 14
210.	1900 -- July 03, arson fire (alleged), tenement, Adams and First Sts., Hoboken NJ ⁷⁹³ --	13-14
211.	1902 -- Dec 04, fire, Lincoln Hotel, Madison Street, Chicago, IL	-- 14
212.	1910 -- Dec 21, fire, Friedlander Leather Remnants Factory, Philadelphia, PA	-- 14
213.	1915 -- Oct 25, fire, Union Paper Box Company, Pittsburgh, PA	-- 14
214.	1917 -- Feb 02, gas explosion and fire, tenement buildings, Chicago, IL ⁷⁹⁴	-- 14
215.	1920 -- Sep 06, fire, Houston Hotel, Klamath falls, OR	--10-14
216.	1924 -- Feb 19, fire, tenement house, Madison Street, New York, NY	-- 14
217.	1926 -- July 14, fire, Twilight Inn, Haines Falls, NY	-- 14
218.	1928 -- Feb 10, vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA ⁷⁹⁵ --	14
219.	1945 -- Jan 16, fire, General Clark Hotel/Boarding House, N. Clark St., Chicago, IL	-- 14
220.	1946 -- Feb 02, explosion/fire, Jennings Hall Home for Aged, Garfield Heights, OH--	14
221.	1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK ⁷⁹⁶	-- 14
222.	1975 -- Dec 12, condemned Gartland Apartments arson fire, San Francisco, CA	-- 14
223.	1979 -- Nov 11, Coats Boarding/Nursing House fire, Pioneer, OH	-- 14
224.	1982 -- July 05, arson fire, apartment building, Waterbury, CT ⁷⁹⁷	-- 14
225.	1833 -- Oct 04, fire, Eagle Woolen Mills, Allegheny, PA	-- 13
226.	1866 -- Jan, jail and City Guard House fire, Marietta, GA	-- 13
227.	1871 -- Sep 15, restaurant fire, conflagration, powder explosion, Pioche, NV	-- 13
228.	1877 -- June 08, fire, wall failure, Sanford & Son's Hat Factory, Bridgeport, CT	--11-13
229.	1880 -- Dec 17, fire, M.H. Birge & Co.'s "Manufactory," Buffalo, NY	-- 13
230.	1890 -- Mar 17, fire/bldg. collapse on firemen, Bowen-Merrill Co., Indianapolis, IN	-- 13

⁷⁹¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁷⁹² Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁷⁹³ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁷⁹⁴ Cross-listed in Explosions.

⁷⁹⁵ Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.

⁷⁹⁶ Cross-listed in Violence-Arson.

⁷⁹⁷ Cross-listed in Violence-Arson.

231.	1890 -- May 07, fire, Chenango Co. Poorhouse & Asylum, Preston, NY	-- 13
232.	1901 -- Aug 14, Waterworks crib fire, two miles off Cleveland Harbor, OH ⁷⁹⁸	--12-13
233.	1902 -- June 09, fire, St. Luke's Society Sanitarium, Wabash / 21 st , Chicago, IL	--12-13
234.	1918 -- Jan 12, fire, Boys dorm., Dwight Indian Mission School, Marble City, OK	-- 13
235.	1921 -- Jan 30, fire (cigarette), Colonial Hotel, Newark Street, Hoboken, NJ	-- 13
236.	1923 -- Feb 23, fire, garage and apartments, Hatley Building, Kansas City, KS	-- 13
237.	1926 -- Jan 23, fire, Lafayette Hotel, North Seventh Street, Allentown, PA	-- 13
238.	1932 -- Jun 07, explos./arson/mass murder, Ellington Apartments, Cleveland, OH ⁷⁹⁹	-- 13
239.	1941 -- Feb 07, fire, Salvation Army Homeless Shelter/lodging, Akard St., Dallas, TX	-- 13
240.	1941 -- Mar 10, Strand Theater fire & roof collapse, Brockton, MA	-- 13
241.	1942 -- Jan 20, fire, Melvin Hall Apartments, Lynn, MA	-- 13
242.	1953 -- Mar 11, fire/smoke, Anheuser-Busch fermentation bldg. under construct., Newark NJ	--13
243.	1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR ⁸⁰⁰	13
244.	1963 -- Dec 25, fire, portable home oil heater tipped over, Charleston, SC	--12-13
245.	1965 -- Dec 11, arson fire/mass murder, Seeley Club (tavern), Chicago, IL ⁸⁰¹	-- 13
246.	1968 -- Jan 09, fire, paper box factory and tenement/apartment house, Brooklyn, NY	-- 13
247.	1968 -- Aug 31, In-Crowd Lounge/apartment fire (possibly arson), Gary, IN	-- 13
248.	1979 -- Oct 19, typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan	-- 13
249.	1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14 th Street, Hoboken, NJ ⁸⁰²	-- 13
250.	2017 -- Dec 28, fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY	-- 13

FIRE – Structural – **By MORTALITY** -- (continued)

251.	1857 -- Apr 14, fire, warehouse wall/floor collapse, Charles Street, Baltimore, MD	-- 12
252.	1870 -- Dec 25, fire, Spotswood Hotel, Richmond, VA	-- 9-12
253.	1881 -- Oct 12, fire, Randolph Cotton and Woolen Mill, Randolph St., Philly, PA	-- 9-12
254.	1882 -- Jan 31, fire, World Building (commerce.), Park Row & Beekman St., NYC, NY	--12
255.	1887 -- Mar 24, fire, Colby Iron Mine boarding house, Bessemer, MI	-- 12
256.	1891 -- Dec 09, fires, Bamberger & Candy/Fireworks bldgs., Main St., Louisville, KY	-- 12
257.	1896 -- Sep 05, fire, Yore's Opera House, Benton Harbor, MI	-- 12
258.	1902 -- Oct 21, fire, glucose sugar refinery, glucose tank explosion, Chicago, IL	--11-12
259.	1904 -- Nov 20, fire, tenement house, Troutman Street, Brooklyn, NY	-- 12
260.	1905 -- Sep 17, fuse factory explosion and fire, Avon, CT	-- 9-12
261.	1908 -- May 03, fire, Aveline Hotel, Fort Wayne, IN	-- 12
262.	1909 -- Nov 08, explosion, fire, Robert Morrison Comb Factory, Brooklyn NY ⁸⁰³	--10-12
263.	1910 -- Mar 25, fire, L. Fish & Co. Furniture Store, Wabash Ave., Chicago, IL	-- 12
264.	1915 -- Nov 06, fire, Essex Waist Co., Diamond Factory, Brooklyn, NY	-- 12
265.	1919 -- Jan 07, explosion and fire, Film Exchange, Penn Ave., Pittsburgh, PA ⁸⁰⁴	--10-12
266.	1921 -- Nov 14, fire, tenement house, 108 West 17 th St., NYC, NY	--10-12
267.	1922 -- Feb 07, fire, Lexington Hotel, Richmond, VA	-- 12

⁷⁹⁸ Cross listed in Mines Tunnels and Quarries.

⁷⁹⁹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸⁰⁰ Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.

⁸⁰¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸⁰² Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸⁰³ Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.

⁸⁰⁴ Cross-listed in Explosions.

FIRE – Structural – **By MORTALITY** -- (continued):

268.	1923 -- Apr 27, fire, tenement building, East 109 th Street, NYC, NY	-- 12
269.	1926 -- Feb 22, fire, Schindler's Prairie House (Hotel), Hurleyville, NY	--11-12
270.	1941 -- Oct 28, home fire, Montclair, NJ	-- 12
271.	1945 -- May 07, fire, Victory House (war workers lodging), Mobile, AL	-- 12
272.	1947 -- Apr 02, explosion and fire, Lawrence Brown Fireworks plant, Clinton, MO ⁸⁰⁵	-- 12
273.	1955 -- Feb 01, oil stove fire (11 children), tenement, Schuyler St., Amsterdam, NY	-- 12
274.	1956 -- Mar 08, tar-papered Twyman home fire, wife/children/grand-children, Oxford PA	--12
275.	1956 -- July 30, Reagan Nursing Home fire (1 survivor), Puxico, MO	-- 12
276.	1957 -- Dec 5, natural gas explosion/fire, five downtown businesses, Villa Rica, GA ⁸⁰⁶	-- 12
277.	1958 -- Feb 17, duplex fire, including 11 children in two families, Atlanta, GA	-- 12
278.	1961 -- Mar 28, residential fire (lightning?), Alex Whitehead home, Dotsonville, TN ⁸⁰⁷	--12
279.	1965 -- Dec 20, fire (arson?), Jewish Community Center, Yonkers, NY ⁸⁰⁸	-- 12
280.	1966 -- Oct 17, fire, floor collapse, firefighters killed, Mercantile Building, NYC	-- 12
281.	1968 -- Feb 16, arson fire, Randolph Tavern, 107 W. Reed St., Moberly, MO ⁸⁰⁹	-- 12
282.	1969 -- June 03, fire, apartment house, Kansas City, MO	-- 12
283.	1969 -- June 08, arson (patricide) fire, Bailey family home, Parkersburg, WV ⁸¹⁰	-- 12
284.	1970 -- Aug 05, fire, Pensioner Rooming House, E. Hennepin, Minneapolis, MN	--11-12
285.	1971 -- Apr 25, fire, Seventh Avenue Apartments building, Seattle, WA	-- 12
286.	1972 -- Jan 16, fire, Pennsylvania House Hotel (residential/transient), Tyrone, PA	-- 12
287.	1974 -- Aug 25, Washington House hotel fire, Berkeley Springs, WV	-- 12
288.	1975 -- July 07, Pomona Hotel arson fire, skid row, Portland, OR ⁸¹¹	-- 12
289.	1976 -- Dec 22, Fields department store fire (5 stories), Fulton Street, Brooklyn, NY	-- 12
290.	1976 -- Dec 24, fire, birthday party (10 children), apartment house, Chicago, IL	-- 12
291.	1978 -- Nov 05, arson fire, Allen Motor Inn, Honesdale, Wayne County, PA ⁸¹²	-- 12
292.	1978 -- Dec 07, tenement house fire (7 children/5 adults), Central Ward, Newark, NJ	-- 12
293.	1980 -- Dec 18, fire, Avalon Apartment Building, Salt Lake City, UT	-- 12
294.	1982 -- Mar 07, Westchase Hilton Hotel fire, Houston, TX	-- 12
295.	1987 -- Sep 30, residence fire, Milwaukee, WI	-- 12
296.	1989 -- Oct 05, fire, Hillhaven Rehabilitation and Convalescent Center, Norfolk VA	-- 12
297.	2000 -- Aug 19, El Paso Natural Gas pipeline rupture and fire, Carlsbad, NM ⁸¹³	-- 12
298.	2006 -- Oct 31, arson fire, Mizpah Hotel, North Lake St., Reno, NV ⁸¹⁴	-- 12
299.	2022 -- Jan 05, rowhouse/apt. fire (8 children/4 adults), Fairmont sec., Philadelphia, PA	-- 12
300.	1854 -- Apr 25, arson fire, Jennings Building (all firemen), Broadway, NY, NY ⁸¹⁵	-- 11

⁸⁰⁵ Cross-listed in Explosions.

⁸⁰⁶ Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.

⁸⁰⁷ Cross-listed in Lightning.

⁸⁰⁸ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸⁰⁹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸¹⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸¹¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸¹² Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸¹³ Cross-listed in Structural Failures and in Explosions. Technically perhaps not a “structural” fire.

⁸¹⁴ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸¹⁵ Cross-listed in Violence-Arson, Manslaughter/Homicide.

FIRE – Structural – **By MORTALITY** -- (continued):

301.	1867 -- June 18, fire, saloon, near Rock Island Railroad Depot, Chicago, IL	--10-11
302.	1883 -- Mar 10, boarding house fire, Brownsville, ND	-- 11
303.	1887 -- July 09, Alcazar Theater fire and town conflagration, Hurley, WI	--10-11
304.	1888 -- June 04, Mundine Hotel fire, Rockdale, TX	-- 11
305.	1891 -- Mar 13, Central Tennessee Insane Asylum fire, near Nashville, TN	--10-11
306.	1898 -- Mar 13, Bowery Mission and Young Men's Home fire, NYC, NY	-- 11
307.	1900 -- June 15, tenement fire, 34 Jackson Street, NYC, NY	-- 11
308.	1902 -- Jan 29, Italian tenement fire, Fleet Street, North End, Boston, MA	--10-11
309.	1902 -- Feb 09, Empire Hotel lodging house fire, Olive Street, St. Louis, MO	-- 11
310.	1906 -- Jan 10, West Hotel fire, Minneapolis, MN	-- 11
311.	1907 -- Sep 05, Webb Hotel fire, Shelton, WA	--10-11
312.	1909 -- Oct 30, fire, St. Johnsbury, VT	--10-11
313.	1918 -- Sep 17, American Button Company plant fire, Newark, NJ	-- 11
314.	1924 -- Feb 15, Lawrence Building fire, Main Street, Montpelier, VT	-- 11
315.	1928 -- Apr 20, Alexander Industries plane plant fire, Englewood, CO	-- 11
316.	1931 -- Mar 17, county jail stockade fire, Kenansville, NC	-- 11
317.	1946 -- Jan 27, fire, Winona Apartments and rooming house, Kansas City, MO	--10-11
318.	1947 -- July 29, Pauline's Beauty School butane gas explos./fire, , Harrisonburg, VA ⁸¹⁶	--11
319.	1948 -- Feb 13, apartment building fire, Hoage family, Cedar Street, Utica, NY	-- 11
320.	1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI	11
321.	1956 -- Jan 29, Arundel Park Hall oyster roast fire, Brooklyn, MD	-- 11
322.	1959 -- Feb 14, apartment building fire (from gas explosion), Ashland, KY	-- 11
323.	1959 -- Mar 15, farm house fire (10 children and farmer), Cross Hill, SC	-- 11
324.	1964 -- Feb 22, house fire (Moses James family, 9 children), near Society Hill, SC	-- 11
325.	1964 -- Nov 04, Dorchester Manor Apartment Hotel fire, Chicago, IL	-- 11
326.	1966 -- Jan 06, Hotel Carlton (and Apartments) fire (from cigarette), St. Paul, MN	-- 11
327.	1966 -- Jan 28, Paramount Hotel fire, Boston, MA	-- 11
328.	1968 -- Feb 11, dwelling fire, Franklin, PA	-- 11
329.	1968 -- July 18, dwelling fire (9 children, 2 adults), St. Albans section, Queens, NY	-- 11
330.	1969 -- Feb 25, Rosen Architectural Office fire, Fifth Ave., Manhattan, NYC, NY	-- 11
331.	1969 -- Apr 06, wood-frame tenement/apartment house fire, Bridgeport, CT	-- 11
332.	1973 -- Sep 13, Washington Hill Nursing Home fire, Philadelphia, PA	-- 11
333.	1973 -- Sep 29, tenement arson fire, Eleventh & Willow, Hoboken, NJ ⁸¹⁷	-- 11
334.	1975 -- June 9, Seminole County Jail fire, mattress set on fire, spreads, Sanford, FL	-- 11
335.	1979 -- Dec 27, Lancaster County Jail fire, Lancaster, SC	-- 11
336.	1980 -- July 24, Vogue Metal Crafts Co./Metgal Mfg. explosion/fire, Queens NY ⁸¹⁸	-- 11
337.	1981 -- Jan 11, single family home fire, East St. Louis, IL	-- 11
338.	1981 -- Oct 24, arson fire, apartment building, 12 th and Washington, Hoboken, NJ	-- 11
339.	1985 -- May 13, Philadelphia Police bomb MOVE sparking rowhouse fire, PA ⁸¹⁹	-- 11
340.	1998 -- Mar 22, fire, mt. cabin, spring break youth, Madisonburg Mt. ~Madisonburg, PA	-- 11

⁸¹⁶ Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.

⁸¹⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸¹⁸ Cross-listed in Explosions.

⁸¹⁹ Cross-listed in Violence-Governmental Use of Force.

341. 2001 -- Jan 03, single family dwelling fire, Oak Orchard, Sussex Ct., DE -- 11
 342. 2005 -- Mar 10, townhouse mattress fire, Marrero, LA -- 11
 343. 2006 -- Nov 27, fire, Anderson Guest House (elderly/mentally-impaired), Anderson, MO-- 11

FIRE – Structural – By MORTALITY -- (continued)

344. 1860 -- Mar 28, fire, 40th Street tenement house, NYC, NY -- 10
 345. 1865 -- Jun 9, ordnance building explosion & fire, train sparks, Chattanooga, TN⁸²⁰ -- ~10
 346. 1877 -- Dec 20, fire, Greenfield Candy Works, Barclay St., NY, NY -- 10
 347. 1892 -- Oct 28, conflagration, Milwaukee, WI -- 10
 348. 1898 -- Feb 26, fire & explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI⁸²¹-- 10

 349. 1900 -- Oct 29, fire and explosions, Tarrant & Co. Drug Warehouse, NYC, NY⁸²² -->7->10
 350. 1901 -- Nov 06, fire, Klondyke Theater, Harley, WI -- 10
 351. 1905 -- Jan 03, entire Noweski family killed, home fire, Morris Run, PA -- 10
 352. 1909 -- Mar 03, fire, tenement building, 374 Seventh Avenue, NYC, NY -- 10
 353. 1916 -- Oct 05, fire, Christian Brothers College, St. Louis, MO -- 10
 354. 1919 -- Feb 06, fire, Tokyo Rooming House, South Weller St., Seattle, WA -- 10

 355. 1923 -- Jun 21, fire, tenement building, Federal Street, Chicago, IL -- 10
 356. 1929 -- Oct 17, fire, Portland Hotel, First Avenue, Seattle, WA -- 10
 357. 1929 -- Dec 10, fire (lamp), Pathe Film Studio, Manhattan, NYC, NY -- 10

 358. 1933 -- Jun 09, fire, Atlantic Pyroxylin Waste Co., North Arlington, NJ -- 10
 359. 1934 -- Feb 20, fire, Penn. Mem. Home/Hosp. (Civil War veterans widows), Brookville, PA-- 10
 360. 1935 -- Sep 29, arson fire, tenement, Chicago, IL⁸²³ -- 10
 361. 1936 -- Feb 3, fire, dormitory, Parker Dam construction site, Colorado River, CA -- 10
 362. 1937 -- Feb 5, flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY⁸²⁴-- 10

 363. 1940 -- July 30, explosions & conflagration, R. M. Hollingshead Plant, Camden, NJ⁸²⁵--10
 364. 1941 -- Feb 05, fire, New Haven Quilt and Pad Company, New Haven, CT -- 10
 365. 1946 -- Jan 28, gasoline fumes ignite, fire, Tinker Field Hangar ~Oklahoma City, OK-- 10
 366. 1946 -- Oct 3, explosions/fire, alkylolation unit fractionating tower, Sun Oil Co., Marcus Hook, PA--10

 367. 1950 -- Dec 22, fire, Walker Convalescent Home (for elderly), near Amarillo, TX -- 10
 368. 1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC-- 10
 369. 1954 -- Oct 28, fumes/chemical tank explodes, Charles W. Berg Labs, Philadelphia, PA--10
 370. 1956 -- Dec 03, Luckenbach Steamship Pier fire, detonators explode, Brooklyn, NY⁸²⁶-- 10
 371. 1958 -- Apr 05, home fire (coal gas fumes), Porter Township, near Jersey Shore, PA-- 10

⁸²⁰ Cross-listed in Explosions.

⁸²¹ Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.

⁸²² Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).

⁸²³ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸²⁴ Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.

⁸²⁵ Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

⁸²⁶ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

FIRE – Structural – **By MORTALITY** -- (continued):

372. 1962 -- Jan 15, fire, Paladino home, Catholic Point community near Center Ridge, AR-- 10
373. 1963 -- Feb 21, farm/tenant home fire, near Luxora, AR -- 10
374. 1963 -- Feb 23, home fire (Paul Saville family--wife, 8 children), Morehouse, MO -- 10
375. 1964 -- Sep 12, farm house fire (Bowdish/McConnell children), Kasota, MN -- 10
376. 1966 -- Feb 05-06, kerosene heater explodes, fire, rooming house, Miami, FL -- 10
377. 1969 -- Apr 05, kerosene explosion/fire, house, Oakwood Bayou community ~Dumas, AR-- 10
378. 1969 -- July 10, fire, farm dwelling (laundry room), Posen, Presque Isle County, MI-- 10
379. 1969 -- Dec 18, tenement fire/faulty Christmas tree lights, Bushwick/Brooklyn NY -- 9-10
380. 1971 -- Jan 14, Westminster Terrace Presbyterian Nursing Home fire, Buechel, KY -- 10
381. 1972 -- Jan 26, Green Nursing Home fire⁸²⁷ (10 patients), Lincoln Heights, OH --all 10
382. 1972 -- Apr 04, Fair Hills Boarding Home for elderly fire/night/no staff, Rosecrans, WI--10
383. 1972 -- May 06, Carver Convalescent Center (nursing home) fire, Springfield, IL -- 10
384. 1972 -- Nov 30, Baptist Towers Home for Senior Citizens fire, Atlanta, GA -- 10
385. 1973 -- Jan 29, arson fire, Street's Sheltered Care Rest Home, Pleasantville, NJ⁸²⁸ -- 10
386. 1973 -- July 11, fire, apartment bldg./rooming house, Main St., Worcester, MA -- 10
387. 1974 -- Jan 24, Vogel Apartment House fire (7 children, 3 adults), Liberty, NY -- 10
388. 1976 -- Feb 04, tenement house fire (7 children, 3 adults), Manhattan, NYC, NY -- 10
389. 1976 -- Dec 20, Witmer Street apartment house juvenile arson fire, Los Angeles, CA-- 10
390. 1977 -- Dec 10, Wenonah Park Apt. Bldg. fire/light fixture short-circuit, Bay City, MI-- 10
391. 1977 -- Dec 13, fire, Providence College women's dormitory, Providence, RI -- 10
392. 1978 -- Nov 05, Younkers Brothers Dept. store fire (employees), West Des Moines, IA--10
393. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY-- 10
394. 1979 -- Apr 01, fire, Marietta Manor, private care home for elderly, Connellsville, PA-- 10
395. 1979 -- Apr 11, fire, Halfway House (mental impairment), Lamont Street, Wash. DC-- 10
396. 1979 -- July 31, arson fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH⁸²⁹ -- 10
397. 1982 -- May 14, Row House Fire, Baltimore, MD -- 10
398. 1984 -- Feb 08, family row-house fire, Philadelphia (Kensington section), PA -- 10
399. 1985 -- July 23, fire, elderly boarding home, Sweet Valley, PA -- 10
400. 1989 -- Jan 01, rural house fire, Remer, MN -- 10
401. 1991 -- Feb 16, fire (extension cord related), apartment building, New Britain, CT -- 10
402. 1991 -- Mar 04, Crystal Springs Boarding Home fire, Colorado Springs, CO -- 10
403. 1991 -- Dec 09, West Side Apartment Building fire, Humboldt Park, Chicago, IL -- 10
404. 1992 -- June 02, fire, Nu-Way Development Home (adult foster care), Detroit, MI -- 10
405. 1993 -- May 03, arson fire, apt./tenement bldg., Burlington Ave., Los Angeles, CA⁸³⁰-- 10
406. 1997 -- May 13, fire, board and care facility, Harvey's Lake, PA -- 10
407. 2004 -- Sep 12, arson fire, Lincoln Park West Apts., Prairie Township, OH -- 10

⁸²⁷ Overheated furnace running on manual rather than automatic (and had not been turned off to cool down).

⁸²⁸ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸²⁹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸³⁰ Cross-listed in Violence – Arson.

408.	2007 -- Feb 06, single-family house fire, Bardstown, KY	--	10
409.	2007 -- Mar 07, rowhouse fire, Bronx, NY	--	10
410.	2008 -- Apr 03, residential fire, Brockway, PA	--	10

FIRE, Structural (some select events with 5-9 deaths each) – By Mortality:

1891 --	Apr 06, fire, 3 tenement/store houses, NY St., Rochester, Beaver Co., PA	--	9
1916 --	Oct 17, Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY	--	9
1921 --	Nov 27, fire, Rialto Theatre, New Haven, CT	--	9
1948 --	Mar 10/11, fire, Highland Hospital for Nervous Disorders, Asheville, NC	--	9
1954 --	Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV ⁸³¹	--	9
1962 --	Dec 20, St. Jude Nursing Home Fire, Hudson, MA	--	9
1967 --	Jan 14, row house fire (cigarette), Philadelphia, PA	--	9
1972 --	Jan 5, fire, Washington Hotel (transients and the elderly), Toppenish, WA	--	8-9
1972 --	June 17, fire/building collapse, 9 firefighters killed, Hotel Vendome, Boston, MA	--	9
1973 --	Feb 07, Navy Corsair II plane crash/apartment building, fire, Alameda, CA ⁸³²	--	8-9
1976 --	June 30, youth prisoners start fire, McDowell County Prison, Marion, NC	--	9
1984 --	Feb 04, home fire, boy playing with lighter, victims 1-8 years old, Tacoma WA	--	9
1993 --	Feb 28, fire, apartment building (8 children, 1 adult), Ludington, MI	--	9
1994 --	Feb 26, fire, from candle; rowhouse; power turned off, west Baltimore, MD	--	9
2005 --	May 21, arson fire, house during child's birthday sleepover, Cleveland, OH ⁸³³	--	9
2006 --	Mar 11, fire, two-story home, Evensville, Rhea County, TN	--	9
2007 --	Jan 13, fire, Emmons Jr. Apartment Building, Huntington, WV	--	9
2007 --	June 18, fire, Sofa Super (furniture) Store, firefighters killed, Charleston, SC	--	9
2012 --	Mar 24, residential home fire, Charleston, WV	--	9
2014 --	Jan 30, fire, home, linked to electric heater, mom, children, Depoy, KY	--	9
1912 --	Oct 30, fire, St. John's Orphanage, San Antonio, TX	--	7-8
1943 --	Feb 16, fire, rooming house, Augusta, ME	--	8
1944 --	April 13, fire, Douglas County Home (for the poor), near Lawrence, KS	--	8
1944 --	Dec 30, residential home fire, Columbus, IN	--	8
1948 --	Mar 23, fire, Ward's Rest/Convalescent Home for elderly, north Omaha, NE	--	8
1950 --	Mar 02, residential family home fire, Monson, ME	--	8
1957 --	Dec 02, home fire, overheated stove, expectant mother, 7 children, Westor, AR	--	8
1959 --	Apr 28, fire, coal-burning stove explosion, Nayakik residence, Point Barrow, AK	--	8
1963 --	Jan 20, home fire, thought related to coal stove, kills family, Calhoun, OK	--	8
1966 --	Nov 6, rowhouse fire, West Franklin Street, West Baltimore, MD	--	8
1967 --	July 4, fire, shanty family residence, Oxford, ME	--	8
1975 --	Jan 18, rowhouse fire (cigarette), 7 children/1 adult, Walbrook Ave. Baltimore, MD--	--	8
1983 --	Aug 31, fire, mentally handicapped home, Annandale Village, Suwanee, GA	--	8
1983 --	Dec 09, fire (careless smoking) row house (five children), west Baltimore, MD	--	8
1992 --	Feb 13, fire (space heaters or smoking) row house (5 children), Camden NJ	--	8

⁸³¹ Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.

⁸³² Cross-listed in Aviation. The pilot was believed to have died prior to the crash, one person on the ground killed by the crash, and eight by fire, with one additional death to an unattributed cause, possibly fire.

⁸³³ Cross-listed in Violence – Arson.

1992 -- Dec 05, fire (apparently smoking in bed), row house (8 children), Chester, PA	--	8
1998 -- Apr 27, arson fire? Arlington Manor elderly/disabled boarding home, Arlington, WA ⁸³⁴	--	8
2007 -- May 22, fire (smoking materials), row house, east Baltimore, MD	--	8
2010 -- Dec 28, fire, abandoned warehouse used by homeless, New Orleans, LA	--	8

FIRE, Structural – By Mortality (continued):

1888 -- Aug 09, fire and wall collapse, Caldwell & Griffith block, Chattanooga, TN	--	5-7
1888 -- Sep 02, fire, firefighters killed, Hopkins Place, Baltimore, MD	--	7
1889 -- Nov 30, fire, Tribune Building, Minneapolis, MN	--	7
1901 -- May 03, the Great Jacksonville Fire (conflagration), Jacksonville, FL	--	≥7
1909 -- Aug 30, fire, St. Malachy's Home for Children, Far Rockaway Beach, NY	--	7
1933 -- Feb 08-09, Millard Hotel fire, firefighters killed by falling walls, Omaha, NE	--	7
1936 -- Feb 18, Broyles home fire, overheated stove, South Hutchinson, KS	--	7
1943 -- Feb 11, fire and suffocation (elderly), convalescent home, Sioux falls, SD	--	7
1944 -- Mar 06, children die in home fire, York Beach, ME	--	7
1949 -- Mar 04, fire, Woolworth Dept. Store, firefighters killed, Charleston, WV	--	7
1954 -- Apr 03, fire, mother and six children die, Farm House near Tuttle, ND	--	7
1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL	--	7
1956 -- Dec 23, fire, Christmas tree wiring short circuit, Doctors' Hosp., Minneapolis, MN--		7
1959 -- Feb 15, residential home fire (grandmother and six children), South Bend, IN	--	7
1959 -- Mar 13, dwelling fire (five children, two adults), Easton, ME	--	7
1959 -- Mar 29, residence fire, children killed, Danielstown, Brunswick County, VA	--	7
1961 -- Feb 01, Mount Vernon Nursing Home fire, Washington, DC	--	7
1963 -- Apr 23, residential fire, River Park Drive, Louisville, KY	--	7
1963 -- Sep 17, fire, Paradise Pines Rest Home (men in 80s), 14 miles south of Riggins, ID--		7
1964 -- Mar 03 lightning hits residence starting fire, Forrest City, AR ⁸³⁵	--	7
1969 -- Jan 18, Carrie Weaver Nursing Home fire, Greenville, MS	--	7
1972 -- Jan 06, home fire from burners on stove, unattended children, Portland, OR	--	all 7
1994 -- Jan 09, fire (clothing on heating grate), row house (6 children), Baltimore, MD	--	7
2006 -- July 20, residential home fire (over-heated refrigerator), Chickasha, OK	--	7
2007 -- Oct 28, beach house fire (young college students), Ocean Isle Beach, NC	--	7
2013 -- Mar 09, home fire (unknown cause), man, woman, 5 children, Gray, KY	--	7
1851 -- Oct 15, fire, orphan asylum, Cincinnati, OH	--	6
1903 -- Feb 20, fire, Clifton Hotel, Cedar Rapids, IA	--	6
1909 -- Apr 11, urban conflagration, Lenox, MA	--	6
1916 -- Mar 26, fire, San Antonio Country Club, San Antonio, TX	--	6
1953 -- Jan 25, Gallagher Nursing Home fire (careless smoking), Billings, MT	--	6
1954 -- Apr 03, explosion and fire, kerosene poured in home stove, Glouster, OH ⁸³⁶	--	6
1955 -- Feb 01, home fire, all children, Chuckatuck, VA	--	6
1959 -- Jan 05, fire, residential, coal-burning stove, Winstonville, Bolivar County, MS	--	6
1959 -- Jan 20, fire (exploding stove?), residence, children killed, Ashland, ME	--	6

⁸³⁴ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

⁸³⁵ Cross-listed in Lightning.

⁸³⁶ Cross-listed in Explosions.

1959 -- Mar 16, fire, residence (father and five children), Superior, WI	--	6
1959 -- Apr 25, fire, Waldrop residence, Hill City, near Calhoun, GA	--	6
1960 -- Mar 27, home fire kills widow and five children, Winthrop, ME	--	6
1961 -- Sep 24, one-ton stake-body truck (carrying 17) overturns/burns, Jacksonville, FL	--	6
1963 -- May 03, fire, home for mentally-challenged children, Rockville, IN	--	6
1963 -- Dec 16, children die, duplex home fire, space heater spilled oil, Portland, ME	--	6
1966 -- Dec 28, family farmhouse fire, Panton, VT	--	6
1971 -- July 23, fire, Howard Johnson's Motor Lodge, New Orleans, LA	--	6
1971 -- Sep 15, fire and suffocations, Lil-Haven Nursing Home, Salt Lake City, UT	--	6
1975 -- Dec 28, fire, Breezy Point Inn, Island Lake, near Duluth, MN	--	6
1989 -- July 04, home fire, children, locked in house, River Park Drive, Louisville, KY	--	6
1992 -- July 07, arson fire set by mother kills six of her children, Baltimore, MD ⁸³⁷	--	6
1993 -- Feb 27, arson fire & mass murder, Apartment Building, Providence, RI ⁸³⁸	--	6
1999 -- Jan 01, fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN	--	6
2006 -- Mar 11, fire, residential, wood-burning stove probable cause, Shoals, IN	--	6
2006 -- Apr 07, fire, residential, propane lantern ignites mtl. in mobile home, Jacksonville, FL	--	6
2010 -- Dec 14, fire, two-story brick row house home, east Baltimore, MD	--	6
2014 -- Feb 22, house fire (parents and four children), Indianapolis, IN	--	6
2014 -- Aug 29, mobile home fire (cause undetermined), just outside Garland, NC	--	6
2014 -- Nov 01, rooming house fire (landlord charged with manslaughter), Portland, ME	--	6

Fire (Structural) – By Mortality – continued:

1902 -- Aug 24, residential house fire kills children, Portland, ME	--	5
1916 -- Dec 22, Kansas Masonic Charity Home fire, Wichita, KS	--	5
1935 -- Jan 01, Cherokee County Home for elderly men's dormitory fire, Gaffney, SC	--	5
1950 -- July 16, fire, lead and zinc smelting plant, Lark, UT	--	5
1954 -- Jan 04, residential home fire, 5 children die, Oglethorpe, GA	--	5
1954 -- Jan 04, home oil space heater explodes, fire, Old Orchard Beach, ME	--	5
1954 -- Jan 21, stove explodes, home burns, mother and 4 children die, Gordon, NE	--	5
1954 -- Aug 23, home fire (children), wrong-size fuses/defective wiring, Waterville, ME	--	5
1958 -- Jan 27, fire & suffocation deaths, Olympia Hotel, Walnut St., Des Moines, IA	--	5
1955 -- Jan 31, fire (mother and children), home oil stove, Lakeview, GA	--	5
1956 -- Dec 23, fire, downtown apartment building, mother, four children, Meriden, CT	--	5
1958 -- Nov 27, fire, Mary Flake Home for Handicapped Children, Warr Acres, OK	--	5
1959 -- Feb 15, home fire, thought to be from coal cooking stove, Pinson Fork, KY	--	5
1968 -- Mar 26, Jackson Hotel fire (inebriated woman with lit cigarette), Omaha, NE	--	5
1992 -- Nov 8, fire (fireplace ashes in box), residence, South Jordan (near Salt Lake), UT	--	5
1992 -- Dec 17, fire, four-family apartment building, Auburn, WA	--	5
2007 -- Oct 2, fire, 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO	--	5

⁸³⁷ Cross-listed in Violence-Arson.

⁸³⁸ Cross-listed in Violence-Arson.

FIRE – STRUCTURAL – CHRONOLOGICAL

1. 1811 -- Dec 26, theatre fire, Richmond, VA --61-75
2. 1822 -- Jan 24, Philadelphia Orphan Asylum fire, Schuylkill & Cherry, Philly, PA -- 23
3. 1833 -- Oct 04, Fire, Eagle Woolen Mills, Allegheny, PA -- 13
4. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter's shop, Syracuse, NY⁸³⁹ -- 26
5. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY⁸⁴⁰ -- 30
6. 1849 -- May 17, Fire, 27 Boats, much of Wharf & Business District, St. Louis, MO -- 3-20

7. 1850 -- Feb 04, Boiler Explosion & Fire, Taylor & Co., Hague St., Manhattan, NY⁸⁴¹ --60-75
8. 1850 -- July 09, Fire, Old City Philadelphia, PA -- 44
9. 1850 -- Dec 03, Fire, Maine Insane Asylum, Augusta, ME -- 28
10. 1851 -- May 3-4, Conflagration, "Fifth Great Fire," San Francisco, CA -- ~14~30
1851 -- Oct 15, Fire Orphan Asylum, Cincinnati, OH -- 6
11. 1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY⁸⁴² -- 11
12. 1857 -- Apr 14, Fire, Warehouse wall/floor collapse, Charles Street, Baltimore, MD -- 12
13. 1857 -- Oct 19, Fire, Brothel, Stores, Warehouses, S. Water Street, Chicago, IL -- 27
14. 1858 -- Feb 20, Fire, Pacific Hotel, St. Louis, MO --21-30

15. 1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA⁸⁴³ -- 90-145
16. 1860 -- Feb 02, tenement building fire, 142 Elm Street, East Manhattan, NY, NY --10-20
17. 1860 -- Mar 28, 40th Street tenement house fire, NYC, NY -- 10
18. 1860 -- Sep 21, building falls during fire and explosion (alcohol), New Orleans, LA⁸⁴⁴-- 15
19. 1864 -- Jun 17, explosion/fire, Washington Arsenal, Greenleaf Pt.,⁸⁴⁵ District of Col.⁸⁴⁶-- 21
20. 1865 -- Feb 08, conflagration fire, Philadelphia, PA -- 20
21. 1865 -- Jun 09, Ordnance Building explosion/fire, train sparks, Chattanooga, TN⁸⁴⁷ -- ~10
22. 1866 -- Jan, Jail and City Guard House burns, Marietta, GA -- 13
23. 1867 -- June 18, fire, saloon, near Rock Island Railroad Depot, Chicago, IL --10-11
24. 1867 -- June 19, Fox's American Theater fire, Philadelphia, PA --10-15

25. 1870 -- December 25, Fire, Spotswood Hotel, Richmond, VA -- 9-12
26. 1871 -- Sep 15, Fire, Pioche, NV -- 13
27. 1871 -- Oct 8-10, The Great Chicago Fire, IL --250-300
28. 1872 -- Nov 9-10, Conflagration ("Great Boston Fire of 1872"), Boston, MA --25-41
29. 1872 -- Dec 10, Fire, Fifth Avenue Hotel, New York, NY -- 22

⁸³⁹ Cross-listed in Explosions.

⁸⁴⁰ Cross-listed under Explosions.

⁸⁴¹ Cross-listed under Explosions.

⁸⁴² Cross-listed in Violence-Mass Murder.

⁸⁴³ Cross-listed in structural failures – while the most died in collapse, at least 14 trapped died when the fire started.

⁸⁴⁴ Cross-listed in Explosions (the explosion caused the building to fall, which was the cause of deaths).

⁸⁴⁵ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁸⁴⁶ Cross-listed in "Explosions."

⁸⁴⁷ Cross-listed under Explosions.

30. 1874 -- Sep 19, fire, Granite Mill No. 1, fall River, MA --23-25
 31. 1875 -- May 27, Holyoke Catholic Church fire, Holyoke, MA -- 75
 32. 1876 -- March 7, Fire, Home for the Aged, East Brooklyn, NY -- 18
 33. 1876 -- Dec 5, Conway Theater Fire, Trampling, Suffocation, Brooklyn, NY⁸⁴⁸ --284-300
 34. 1877 -- Apr 11, Southern Hotel Fire, St. Louis, MO --16-21
 35. 1877 -- Jun 08, Fire, Wall Failure, Sanford & Son's Hat Factory, Bridgeport, CT --11-13
 36. 1877 -- Dec 20, Fire, Greenfield Candy Works, Barclay St., NY, NY -- 10
 37. 1878 -- Apr 7, Fire, Steuben County House (poor house/insane asylum), Bath, NY --15-16

FIRE – STRUCTURAL – **CHRONOLOGICAL** – Cont.

38. 1880 -- Nov 15, Fire, Minnesota State Asylum for Insane, St. Paul, MN --24-30
 39. 1880 -- Dec 17, Fire, M.H. Birge & Co.'s "Manufactory," Buffalo, NY -- 13
 40. 1881 -- Jan 07, Fire, Strafford County Farm [for paupers], near Dover, NH --13-15
 41. 1881 -- Feb 27, Fire, St. Patrick's Orphanage, Scranton, PA -- 17
 42. 1881 -- Oct 12, Fire, Randolph Cotton and Woolen Mill, Randolph St., Philly, PA -- 9-12
 43. 1881 -- Dec 10, Lamp Fire, Boarding House, Rock Cut, ~Pittsburgh, PA --16-17
 44. 1882 -- Jan 31, Fire, World Building, Park Row and Beekman St., NYC, NY -- 12
 45. 1883 -- Jan 10, Fire (suspected arson), Newhall House (Hotel), Milwaukee, WI ---71--90
 46. 1883 -- Mar 10, Fire, Boarding House, Brownsville, ND -- 11
 47. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX⁸⁴⁹ --13-15
 48. 1883 -- Aug 23, George-Whiting Paper Mill Fire/Explosion, Menasha, WI -- 16
 49. 1884 -- Jan 05, Fire, Immaculate Conception Academy (Convent/School), Belleville, IL-- 32
 50. 1884 -- Apr 30, Fire, Van Buren County, MI Poorhouse, near Harford, MI --13-15
 51. 1884 -- Dec 18, Fire, St. John's Home Catholic Orphan Asylum, Brooklyn, NY --23-25
 52. 1885 -- Jan 18, Fire, Illinois Eastern Hospital for Insane, Kankakee, IL -- 18
 53. 1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA⁸⁵⁰ --19-20
 54. 1885 -- May 21, Stove Explodes, Fire, Sullivan's Printing Bldg., Cincinnati, OH -- 18
 55. 1886 -- Dec 28, Fire, Steamer/Boarding House *Bradish Johnson*, Jackson, AL⁸⁵¹ -- ~24
 56. 1887 -- Mar 18, Fire, Richmond Hotel (Young Men's Assn.), Buffalo, NY -- 15
 57. 1887 -- Mar 24, Fire, Colby Iron Mine Boarding House, Bessemer, MI -- 12
 58. 1887 -- July 9, Alcazar Theater Fire and town Conflagration, Hurley, WI --10-11
 59. 1888 -- June 4, Fire, Mundine Hotel, Rockdale, TX -- 11
 60. 1888 -- Aug 03, Fire, Tenement House, 197 Bowery, NY, NY --17-20
 1888 -- Aug 09, Fire, Wall Collapse, Caldwell & Griffith block, Chattanooga, TN -- 5-7
 61. 1888 -- Aug 22, Fire & Bleach Explosion, G. Whiting Paper Mill, Neenah, WI⁸⁵² -- 18
 1888 -- Sep 02, Fire, Firefighters killed, Hopkins Place, Baltimore, MD -- 7
 62. 1888 -- Nov 09, Fire, Steam-Gauge and Lantern Works, Rochester, NY --34-38
 1889 -- Nov 30, Fire, Tribune Building, Minneapolis, MN -- 7
 63. 1890 -- Feb 02, Shop and Tenement Fire, North Street, Boston, MA --12-14

⁸⁴⁸ Cross-listed under Violence-Crushing, Trampling, Suffocation.

⁸⁴⁹ Cross listed in Structural Failures.

⁸⁵⁰ Cross-listed in Violence-Mass Murder.

⁸⁵¹ Cross-listed in Maritime.

⁸⁵² Cross-listed in Explosions (the cause of most, if not all, of the deaths).

64.	1890 -- Mar 17, fire/bldg. collapse on firemen, Bowen-Merrill Co., Indianapolis, IN	-- 13
65.	1890 -- May 07, Chenango County Poorhouse & Asylum fire, Preston, NY	-- 13
66.	1891 -- Mar 13, Fire, Central Tennessee Insane Asylum, near Nashville, TN	--10-11
	1891 -- Apr 06, Fire, 3 tenement/store houses, NY St., Rochester, Beaver Co., PA	-- 9
67.	1891 -- Dec 09, fires, Bamberger & Candy/Fireworks bldgs., Main St., Louisville, KY	-- 12
68.	1892 -- Jan 21, Surgical Institute (hospital) fire, IL and GA streets, Indianapolis, IN	-- 19
69.	1892 -- Feb 7, Fire, Hotel Royal, Fortieth Street & Sixth Avenue, NYC, NY	--28-30
70.	1892 -- Apr 27, Fire, Gilmore's Central Theater, Philadelphia, PA	-- 14
71.	1892 -- Jun 05, Dam Failure, Oil Fire, Titusville, Oil City, PA ⁸⁵³	-- 350
72.	1892 -- Oct 28, Conflagration, Milwaukee, WI	-- 10
73.	1893 -- Feb 09, Fire, Strafford County Workhouse, near Dover, NH	-- 41
74.	1893 -- July 10, Fire, Columbia Exposition Cold Storage Warehouse, Chicago, IL	--17-19
75.	1894 -- Dec 24, Fire, Chrisman Bros. Hall, Silver Lake, Lake County, OR	-- 43
76.	1895 -- Dec 31, Fire, Delavan House, Albany NY	-- 16
77.	1896 -- Sep 05, Fire, Yore's Opera House, Benton Harbor, MI	-- 12

FIRE – STRUCTURAL – **CHRONOLOGICAL** – Cont.

78.	1898 -- Feb 09, Fire & Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA ⁸⁵⁴	--14-20
79.	1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI ⁸⁵⁵	-- 10
80.	1898 -- Mar 13, Fire, Bowery Mission and Young Men's Home, NYC, NY	-- 11
81.	1898 -- Mar 16, fire/explosion, Ayer Bldg. (Mercantile), Wabash Ave., Chicago, IL	-- 16
82.	1899 -- Feb 12, Fire, State Insane Asylum, near Yankton, SD	-- 17
83.	1899 -- Mar 17, Fire, Windsor Hotel, Fifth Avenue, New York, NY	-- 45
84.	1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ ⁸⁵⁶	-- 16
85.	1900 -- June 15, Tenement Fire, 34 Jackson Street, NYC, NY	-- 11
86.	1900 -- June 30, North German Lloyd Line Fire, Piers & Ships, Hoboken, NJ	--325-400
	-- 9 <i>Bremen</i> (crew). Hoboken Historical Museum.	
	-- 0 <i>Kaiser Wilhelm der Grosse</i> . Hoboken Historical Museum.	
	-- 44 <i>Main</i> . Hoboken Historical Museum. CD-ROM: 1900 Hoboken Pier Fire.	
	-- 99 <i>Saale</i> . Eastlake, Russell, Sharpe. <i>World Disasters</i> . "Saale, New York." 2001, p. 30.	
	--173 "...on the piers." Hoboken Historical Museum.	
87.	1900 -- July 03, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ ⁸⁵⁷	-13-14
88.	1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY ⁸⁵⁸	-->7->10
89.	1901 -- Jan 08, Fire/Boiler Explosion, Orphan Asylum, Rochester, NY	-- 31
	1901 -- May 03, the Great Jacksonville Fire (conflagration), Jacksonville, FL	-- >7
90.	1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH ⁸⁵⁹	--12-13

⁸⁵³ Cross-listed under Dam Failures

⁸⁵⁴ Cross-listed in Explosions. It is not clear whether the fire or the first explosion came first. Most of the fatalities were explosion-related – walls falling and building components failing.

⁸⁵⁵ Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.

⁸⁵⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸⁵⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁸⁵⁸ Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).

91. 1901 -- Oct 25, fire, Hunt & Wilkinson Co. Furniture Warehouse, Philadelphia PA --21-25
 92. 1901 -- Nov 06, fire, Klondyke Theater, Harley, WI -- 10

FIRE – STRUCTURAL – **CHRONOLOGICAL** – continued

93. 1902 -- Jan 29, Italian tenement fire, Fleet Street, North End, Boston, MA --10-11
 94. 1902 -- Feb 09, Empire Hotel lodging house fire, Olive Street, St. Louis, MO -- 11
 95. 1902 -- Feb 22, Fire, Park Avenue Hotel, New York City, NY -- 20
 96. 1902 -- June 09, Fire, St. Luke's Society Sanitarium, Wabash / 21st, Chicago, IL --12-13
 1902 -- Aug 24, Residential House Fire kills children, Portland, ME -- 5
 97. 1902 -- Oct 21, Fire/glucose tank explosion, Glucose Sugar Refinery, Chicago, IL --11-12
 98. 1902 -- Dec 04, Fire, Lincoln Hotel, Madison Street, Chicago, IL -- 14

 1903 -- Feb 20, Fire, Clifton Hotel, Cedar Rapids, IA -- 6
 99. 1903 -- Nov 01, "House of All Nations" Tenement Fire, Eleventh Ave., NYC, NY -- 25
 100. 1903 -- Nov 21, Railroad Workmen "Shanty" Fire, near Lilly (~Johnstown), PA --31-35
 101. 1903 -- Dec 18, Fire, Women's Dormitory Walden University, Nashville, TN -- 9-15
 102. 1903 -- Dec 30, Fire, suffocation, trampling, Iroquois Theater, Chicago, IL⁸⁶⁰ -- 602

 103. 1904 -- June 04, Corning Distillery Fire, Explosions, Building Collapse, Peoria, IL -- 15
 104. 1904 -- Sep 04, Fire, 5-Story Tenement, Attorney St., New York City, NY -- 15
 105. 1904 -- Nov 20, Fire, Tenement House, Troutman Street, Brooklyn, NY -- 12

 106. 1905 -- Jan 03, Entire Noweski Family Killed, Fire, Morris Run, PA -- 10
 107. 1905 -- Mar 14, Fire, Tenement, Allen St., New York City, NY -- 20
 108. 1905 -- Mar 20, Boiler Explos. & Fire, Grover & Co. Shoe Factory, Brockton, MA⁸⁶¹-- 58
 109. 1905 -- Sep 17, Fuse Factory Explosion & Fire, Avon, CT -- 9-12

 110. 1906 -- Jan 10, West Hotel Fire, Minneapolis, MN -- 11
 111. 1906 -- Apr 18, Earthquake, Fire, Landslides, San Francisco vicinity, CA⁸⁶² --3,000-5,000
 112. 1906 -- Oct 25, Fire, Chamber of Commerce Building, Kansas City, KS -- 15

 113. 1907 -- July 28, Fire, Tenement House, 222 Chrystie Street, East Side, NYC, NY --19-20
 114. 1907 -- Sep 05, Fire, Webb Hotel, Shelton, WA --10-11

 115. 1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA⁸⁶³ -- 170
 116. 1908 -- Mar 4, Fire, Trampling, Lake View Elementary Sch., Collinwood, OH⁸⁶⁴--175-176
 117. 1908 -- Apr 12, The Great Chelsea Fire/Conflagration of 1908, Chelsea, MA --15-19
 118. 1908 -- May 03, Fire, Aveline Hotel, Fort Wayne, IN -- 12

⁸⁵⁹ Cross listed in Mines Tunnels and Quarries.

⁸⁶⁰ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁸⁶¹ Cross-listed under Explosions.

⁸⁶² Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

⁸⁶³ Cross-listed under Violence-Crushing, Trampling, Suffocation.

⁸⁶⁴ Cross-listed under Violence-Crushing, Trampling, Suffocation.

FIRE – STRUCTURAL – **CHRONOLOGICAL** – continued:

119.	1909 -- Mar 03, fire, tenement building, 374 Seventh Avenue, NYC, NY	-- 10
	1909 -- Apr 11, urban conflagration, Lenox, MA	-- 6
	1909 -- Aug 30, fire, St. Malachy's Home for Children, Far Rockaway Beach, NY	-- 7
120.	1909 -- Oct 30, business district fire, St. Johnsbury, VT	--10-11
121.	1909 -- Nov 08, explosion, fire, Robert Morrison Comb Factory, Brooklyn NY ⁸⁶⁵	--10-12
122.	1910 -- Mar 25, Fire, L. Fish & Co. Furniture Store, Wabash Ave., Chicago, IL	-- 12
123.	1910 -- Oct 01, Los Angeles Trade Unionist Dynamiting and Fire, <i>LA Times</i> , CA ⁸⁶⁶	-- 21
124.	1910 -- Nov 26, Fire, Asch Factory, Orange & High Streets, Newark, NJ	-- 25
125.	1910 -- Dec 21, Fire, Friedlander Leather Remnants Factory, Philadelphia, PA	-- 14
126.	1910 -- Dec 22-23, Fire, Nelson-Morris Meatpacking Plant, Stockyards, Chicago, IL	-- 24
127.	1911 -- Mar 25, Fire, Triangle Shirtwaist Company, NYC, NY	--146-147
	1912 -- Oct 30, Fire, St. John's Orphanage, San Antonio, TX	-- 7-8
128.	1913 -- Feb 28, Dewey Hotel Fire and possible gas explosion, Omaha, NE	-- 5-20
129.	1913 -- July 21, Fire, Convict Cage, Oakley Convict Farm, Hinds County, MS	-- 35
130.	1913 -- July 22, Binghamton Clothing Company Fire, New York City, NY	-- 35
131.	1913 -- Dec 02, Fire, Arcadia Boarding House ("Hotel"/Flop House), Boston, MA	-- 28
132.	1914 -- Mar 08, Fire, wall fall (17 th) Missouri Athletic Club (Lodging), St. Louis, MO ⁸⁶⁷	37
133.	1915 -- Oct 25, Fire, Union Paper Box Company, Pittsburgh, PA	-- 14
134.	1915 -- Oct 28, Fire, Trampling, St. John's Parochial School, Peabody, MA ⁸⁶⁸	-- 21
135.	1915 -- Nov 06, Fire, Essex Waist Co., Diamond Factory, Brooklyn, NY	-- 12
136.	1916 -- Mar 06, Jail Fire, "El Holocausto," or the "Jail Holocaust," El Paso, TX	--18-30
	1916 -- Mar 26, Fire, San Antonio Country Club, San Antonio, TX	-- 6
137.	1916 -- May 10, Explosion, Fire, Trampling, Theater, Wallaceton, VA	--13-26
138.	1916 -- Oct 05, Fire, Christian Brothers College, St. Louis, MO	-- 10
	1916 -- Oct 17, Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY	-- 9
	1916 -- Dec 22, Fire, Kansas Masonic Charity Home, Wichita, KS	-- 5
139.	1917 -- Feb 02, Gas Explosion/Fire, Tenement Buildings, Chicago, IL ⁸⁶⁹	-- 14
140.	1918 -- Jan 12, Fire, Boys dorm., Dwight Indian Mission School, Marble City, OK	-- 13
141.	1918 -- Apr 13, Fire, Oklahoma State Hospital for the Insane, Norman, OK	--39-40
142.	1918 -- July 02, Semet-Solvay Co. TNT Plant Fire/Explosions, Split Rock, NY ⁸⁷⁰	-- 50

⁸⁶⁵ Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.

⁸⁶⁶ Cross-listed in Violence-Bombing and Violence-Labor-related.

⁸⁶⁷ Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.

⁸⁶⁸ Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.

⁸⁶⁹ Cross listed in Explosions.

143. 1918 -- Sep 17, fire, American Button Company plant, Newark, NJ -- 11

FIRE – Structural – **CHRONOLOGICAL** – continued

144. 1919 -- Jan 07, explosion and fire, Film Exchange, Penn Ave., Pittsburgh, PA⁸⁷¹ --10-12
145. 1919 -- Feb 06, Tokyo Rooming House fire, South Weller St., Seattle, WA -- 10
146. 1919 -- May 19, Mental Asylum Fire in Columbia, SC -- 16
147. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA⁸⁷² --25-28
148. 1920 -- Sep 06, Fire, Houston Hotel, Klamath falls, OR --10-14
149. 1921 -- Jan 30, Fire (cigarette), Colonial Hotel, Newark Street, Hoboken, NJ -- 13
150. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA⁸⁷³ 16
151. 1921 -- Nov 14, Fire, Tenement House, 108 West 17th St., NYC, NY --10-12
1921 -- Nov 27, Fire, Rialto Theatre, New Haven, CT -- 9
152. 1922 -- Feb 07, Fire, Lexington Hotel, Richmond, VA -- 12
153. 1922 -- Oct 22, Fire, Apartment House, Lexington Avenue, NY, NY -- 15
154. 1923 -- Feb 18, Manhattan State Hospital fire, Ward's Island, NY -- 27
155. 1923 -- Feb 23, fire, garage and apartments, Hatley Building, Kansas City, KS -- 13
156. 1923 -- Apr 27, fire, tenement building, East 109th Street, NYC, NY -- 12
157. 1923 -- May 17, fire, Cleveland School District, Kershaw County, near Camden, SC -- 77
158. 1923 -- Jun 21, fire, tenement building, Federal Street, Chicago, IL -- 10
159. 1923 -- Dec 26, fire, Illinois State Hospital for the Insane, Dunning, IL -- 18
160. 1924 -- Feb 15, Fire, Lawrence Building, Main Street, Montpelier VT -- 11
161. 1924 -- May 31, Fire, Hope Development School, Playa Del Rey, near Venice CA -- 24
162. 1924 -- Dec 24, Babbs Switch School Fire, Hobart, OK -- 36
163. 1926 -- Jan 23, Fire, Lafayette Hotel, North Seventh Street, Allentown, PA -- 13
164. 1926 -- Feb 22, Fire, Schwindler's Prairie Hotel, Hurleyville, NY --11-12
165. 1926 -- July 14, Fire, Twilight Inn, Haines falls, NY -- 14
166. 1927 -- Apr 23, Fire/Explosions, Briggs Manufacturing Co., Detroit, MI -- 23
167. 1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA⁸⁷⁴-- 14
168. 1928 -- Apr 20, Fire, Alexander Industries Plane Plant, Englewood, CO -- 11
169. 1928 -- Nov 08, explosion, fire, Preble Box Toe Co. Plant and house, Lynn, MA⁸⁷⁵ --20-21

⁸⁷⁰ Cross-listed under Explosions.

⁸⁷¹ Cross-listed in Explosions.

⁸⁷² Cross-listed in Explosions and in Violence/Trampling.

⁸⁷³ Cross-listed in Explosions.

⁸⁷⁴ Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.

⁸⁷⁵ Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.

FIRE – Structural -- **CHRONOLOGICAL** -- (continued):

170.	1929 -- May 15, Cleveland Clinic (hospital) fire, Cleveland, OH	-- 125
171.	1929 -- Sep 20, Study Club Fire, Detroit, MI	-- 22
172.	1929 -- Oct 17, fire, Portland Hotel, First Avenue, Seattle, WA	-- 10
173.	1929 -- Dec 10, fire (lamp), Pathe Film Studio, Manhattan, NYC, NY	-- 10
174.	1930 -- Apr 22, Ohio State Penitentiary fire, Columbus, OH	--320-322
175.	1931 -- Mar 17, fire, stockade, Duplin County Jail, Kenansville, NC	-- 11
176.	1931 -- July 24, Home for the Aged Fire, Pittsburgh, PA	-- 48
177.	1932 -- Jun 07, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH ⁸⁷⁶ --	13
	1933 -- Feb 08-09, Millard Hotel fire, firefighters killed by falling walls, Omaha, NE--	7
178.	1933 -- June 09, fire, Atlantic Pyroxylin Waste Co., North Arlington, NJ	-- 10
179.	1934 -- Feb 20, Fire, Penn. Mem. Home/Hosp. (Civil War veterans widows), Brookville, PA--	10
180.	1934 -- Mar 24, Fire, Federal Transient Bureau Lodging, Lynchburg, VA	-- 22
181.	1934 -- Dec 11, Kerns Hotel Fire, Grand Avenue, Lansing, MI	-- 34
	1935 -- Jan 01, fire, Cherokee County Home for elderly men dormitory, Gaffney, SC--	5
182.	1935 -- Sep 29, Arson, Tenement, Chicago, IL ⁸⁷⁷	-- 10
183.	1936 -- Feb 3, Fire, Dormitory, Parker Dam construction site, Colorado River, CA	-- 10
184.	1936 -- Feb 12, Fire, Victoria Mansion Hotel, Lexington & Seventh, Lakewood, NJ	-- 16
	1936 -- Feb 18, Broyles home fire, overheated stove, South Hutchinson, KS	-- 7
185.	1936 -- Apr 06, Tornado and Fire, Cooper Pants Factory, Gainesville, GA ⁸⁷⁸	--40-70
186.	1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY ⁸⁷⁹ --	10
187.	1938 -- May 16, Terminal Hotel Fire, Atlanta, GA	-- 35
188.	1940 -- Jan 03, Fire, Marlborough (Apartment) Hotel, Minneapolis, MN	-- 19
189.	1940 -- Apr 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS	-- 209
190.	1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ ⁸⁸⁰ --	10
191.	1941 -- Feb 05, Fire, New Haven Quilt and Pad Company, New Haven, CT	-- 10
192.	1941 -- Feb 07, Fire, Salvation Army Homeless Shelter/Lodging, Akard St., Dallas, TX-	13
193.	1941 -- Mar 10, Strand Theater Fire & Roof Collapse, Brockton, MA	-- 13
194.	1941 --Aug 18, Fire, NY & Cuba Mail Steam Ship Co. Piers, <i>Panuco</i> , Brooklyn NY-	34-35
195.	1941 -- Oct 28, Home Fire, Montclair, NJ	-- 12

⁸⁷⁶ Cross-listed in Violence-Mass Murder.

⁸⁷⁷ Cross-listed in Violence-Mass Murder.

⁸⁷⁸ Cross-listed in Tornadoes. There were ~203 tornado deaths, including those from this fire. Most probably some of these deaths can be attributed to the destruction of the building. Many, mostly girls and women, had sought safety in the basement, only to be trapped when the building was destroyed and caught fire.

⁸⁷⁹ Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.

⁸⁸⁰ Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

196. 1942 -- Jan 20, fire, Melvin Hall Apartments, Lynn, MA -- 13
197. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoonut Grove Nightclub, Boston, MA⁸⁸¹498
198. 1943 -- Jan 31, fire, Lake Forest Park Sanitarium,⁸⁸² Lake Forest Park, WA -- 32
1943 -- Feb 11, fire and suffocation (elderly), convalescent home, Sioux falls, SD -- 7
1943 -- Feb 16, rooming house fire, Augusta, ME -- 8
199. 1943 -- Feb 18, Boeing XB-29 crash into Frye Packing Plant, fire, Seattle, WA⁸⁸³ -- ~20
200. 1943 -- Sep 07, fire, Gulf Hotel (and inexpensive rooming house), Houston, TX -- 55
201. 1943 -- Dec 24, fire, Standard Hotel, West 42nd Street between 9th and 10th, NYC, NY-- 19
- 1944 -- Mar 06, children die in home fire, York Beach, ME -- 7
202. 1944 -- Mar 28, arson fire, New Amsterdam Hotel, San Francisco, CA⁸⁸⁴ -- 22
1944 -- Apr 13, fire, Douglas County Home (for the poor), near Lawrence, KS -- 8
203. 1944 -- July 06, Barnum & Ringling Broth. Circus fire, stampede, Hartford, CT --168-169
204. 1944 -- Oct 20, LNG tank explosions/fire, East Ohio Gas Co., Cleveland, OH⁸⁸⁵ --128-136
1944 -- Dec 30, residential home fire, Columbus, IN -- 8
205. 1945 -- Jan 16, fire, General Clark Hotel/Boarding House, N. Clark St., Chicago, IL-- 14
206. 1945 -- Jan 31, fire, Lacoste Babies' Boarding Home & Nursery, Auburn, ME -- 17
207. 1945 -- Feb 17, fire from welding in candy co., Maefair Apartments, Tacoma, WA -- 19
208. 1945 -- May 07, fire, Victory House (war workers lodging), Mobile, AL -- 12
209. 1945 -- Aug 13, fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI-- 15
210. 1945 -- Dec 24, fire, Niles Street Convalescent Hospital, Hartford, CT -- 21
211. 1946 -- Jan 27, fire, Winona Apartments and rooming house, Kansas City, MO --10-11
212. 1946 -- Jan 28, gasoline fumes ignite, fire, Tinker Field hangar ~Oklahoma City, OK-- 10
213. 1946 -- Feb 02, explosion/fire, Jennings Hall Home for Aged, Garfield Heights, OH-- 14
214. 1946 -- June 05, LaSalle Hotel fire, Chicago, IL -- 61
215. 1946 -- Oct 3, explosions/fire, alkylation unit fractionating tower, Sun Oil Co., Marcus Hook, PA--10
216. 1946 -- Dec 7, Hotel Winecoff fire, Atlanta, GA -- 119
217. 1946 -- Dec 12, fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC-- 37
218. 1947 -- May 14, Minerva Film Co. fire, Rome, NY -- 23
219. 1947 -- Apr 02, explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO⁸⁸⁶-- 12
220. 1947 -- July 29, butane gas explos./fire, Pauline's Beauty School, Harrisonburg, VA⁸⁸⁷-- 11
221. 1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV --14-15

⁸⁸¹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

⁸⁸² For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.

⁸⁸³ The number twenty is an approximation in that it is not known how many Frye employees were killed directly by the crash and how many died in the resulting large fire. There were 32-34 fatalities in all (though one source has 41), of which 10 were onboard the XB-29. Cross-listed in Aviation.

⁸⁸⁴ Cross-listed in Violence subset Arson.

⁸⁸⁵ Cross-listed in Explosions. At least 32 died in fires in nearby houses.

⁸⁸⁶ Cross-listed in Explosions.

⁸⁸⁷ Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.

FIRE -- Structural -- **CHRONOLOGICAL** -- (continued):

222. 1948 -- Feb 13, fire, apartment building, Hoage family, Cedar Street, Utica, NY -- 11
 1948 -- Mar 10/11, fire, Highland Hospital for Nervous Disorders, Asheville, NC -- 9
 1948 -- Mar 23, fire, Ward's Rest and Convalescent Home for elderly, north Omaha, NE--8
223. 1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI-11
 1949 -- Mar 04, Woolworth Dept. Store fire, firefighters killed, Charleston, WV -- 7
224. 1949 -- Apr 04-5, St. Anthony's Hospital fire (including 13 babies), Effingham IL -- 75
225. 1950 -- Jan 07, Women's Psychopathic building fire, Mercy Hospital, Davenport, IA-- 41
 1950 -- Mar 02, residential family home fire, Monson, ME -- 8
226. 1950 -- Mar 08, fire, prisoner jail, Sandia Secret Weapons Base, Albuquerque, NM -- 15
 1950 -- July 16, fire, lead and zinc smelting plant, Lark, UT -- 5
227. 1950 -- Dec 22, fire, Walker Convalescent Home (for Elderly), near Amarillo, TX -- 10
228. 1951 -- Jan 30, McClary Convalescent Home (for aged) incinerator fire, Hoquiam, WA-- 21
229. 1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL⁸⁸⁸-- 18
230. 1952 -- Oct 31, Cedar Grove Nursing Home fire, Hillsboro, MO --18-20
231. 1952 -- Nov 26, fire, female ward, Huntington State Mental Hosp., Huntington, WV-- 17
- 1953 -- Jan 25, Gallagher Nursing Home fire (careless smoking), Billings, MT -- 6
232. 1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC⁸⁸⁹-- 10
233. 1953 -- Mar 11, fire/smoke, Anheuser-Busch fermentation bldg. under construct., Newark NJ--13
234. 1953 -- Mar 29, fire, Littlefield Nursing Home, Largo, FL⁸⁹⁰ --33-35
235. 1953 -- Sep 07, fire, Spector Realty Co. tenement building, State St., Chicago, IL -- 18
- 1954 -- Jan 04, fire, residential home, 5 children die, Oglethorpe, GA -- 5
 1954 -- Jan 04, fire, home oil space heater explodes, Old Orchard Beach, ME -- 5
 1954 -- Jan 21, stove explodes, home burns, mother and 4 children die, Gordon, NE -- 5
 1954 --Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV⁸⁹¹ 9
236. 1954 -- Mar 31, Cleveland Hill Elementary School fire, Cheektowaga, NY -- 15
 1954 -- Apr 03, farm house fire, mother and six children die, near Tuttle, ND -- 7
 1954 -- Apr 03, explosion/fire, kerosene poured in home stove, Glouster, OH⁸⁹² -- 6
 1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL--7
 1954 -- Aug 23, home fire (children), wrong-size fuses/defective wiring, Waterville, ME--5
237. 1954 -- Oct 28, fumes/chemical tank explodes, Charles W. Berg Labs, Philadelphia, PA--10
238. 1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR⁸⁹³-13

⁸⁸⁸ Cross-listed in Explosions.

⁸⁸⁹ Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.

⁸⁹⁰ 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.

⁸⁹¹ Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.

⁸⁹² Cross listed in Explosions.

⁸⁹³ Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

- 1955 -- Jan 31, home oil stove fire (mother and children), Lakeview, GA -- 5
239. 1955 -- Feb 01, oil stove fire (11 children), tenement, Schuyler St., Amsterdam, NY-- 12
1955 -- Feb 01, home fire, all children, Chuckatuck, VA -- 6
240. 1955 -- Feb 12, Barton Hotel fire, sub-zero temp., "skid row," W Madison, Chicago, IL--29
241. 1955 -- Aug 10, explosion (sewer gas?) & fire, Gateway Restaurant, Andover, OH⁸⁹⁴-- 22
242. 1956 -- Jan 29, MD Oyster Roast fire, Arundel Park Hall, Brooklyn MD -- 11
243. 1956 -- Mar 08, tar-papered Twyman home fire, wife/children/grand-children, Oxford PA--12
244. 1956 -- July 29, fire/explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX⁸⁹⁵--19
245. 1956 -- July 30, Reagan Nursing Home fire (1 survivor), Puxico, MO -- 12
246. 1956 -- Dec 03, Luckenbach Steamship Pier fire, detonators explode, Brooklyn, NY⁸⁹⁶-- 10
1956 -- Dec 23, fire, downtown apartment bldg., mother, four children, Meriden, CT-- 5
1956 -- Dec 23, fire, Xmas tree wiring short circuit, Doctors' Hosp., Minneapolis, MN-- 7
247. 1957 -- Jan 24, M. Baer Dress Co. factory fire, New Haven, CT -- 15
248. 1957 -- Feb 13, fire, Council Bluffs Convalescent Home, Council Bluffs, IA --16-17
249. 1957 -- Feb 17, Katie Jane Nursing Home fire, Warrington, MO -- 72
250. 1957 -- Nov 16, fire, tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY-- 18
251. 1957 -- Dec 02, home fire, overheated stove, expectant mother, 7 children, Westor, AR-- 8
252. 1957 -- Dec 5, natural gas explosion/fire, five downtown businesses, Villa Rica, GA⁸⁹⁷--12
- 1958 -- Jan 27, fire & suffocation deaths, Olympia Hotel, Walnut St., Des Moines, IA-- 5
253. 1958 -- Feb 17, duplex fire, including 11 children in two families, Atlanta, GA -- 12
254. 1958 -- Mar 19, fire and floor collapse, Monarch Underwear Co., NYC, NY -- 24
255. 1958 -- Apr 05, home fire (coal gas fumes), Porter Township, near Jersey Shore, PA-- 10
1958 -- Nov 27, fire, Mary Flake Home for Handicapped Children, Warr Acres, OK-- 5
256. 1958 -- Dec 01, Our Lady of the Angels Elementary School fire, Chicago, IL -- 95
- 1959 -- Jan 05, fire, residential, coal-burning stove, Winstonville, Bolivar Co., MS -- 6
257. 1959 -- Jan 08, home wood stove fire (15 children and woman), Boswell, OK -- 16
1959 -- Jan 20, fire (exploding stove?), residence, children killed, Ashland, ME -- 6
258. 1959 -- Feb 14, fire (from gas explosion), apartment building, Ashland, KY -- 11
1959 -- Feb 15, residential home fire (grandmother and six children), South Bend, IN-- 7
259. 1959 -- Feb 15, home fire, thought to be from coal cooking stove, Pinson Fork, KY -- 5
260. 1959 -- Mar 05, fire, Negro Boys Industrial School reformatory dorm., Wrightsville AR-21
1959 -- Mar 13, dwelling fire (five children, two adults), Easton, ME -- 7
261. 1959 -- Mar 15, fire, farm house (10 children and farmer), Cross Hill, SC -- 11
1959 -- Mar 16, fire, residence (father and five children), Superior, WI -- 6
1959 -- Mar 29, fire, residence, children killed, Danielstown, Brunswick County, VA-- 7

⁸⁹⁴ Cross-listed in Explosions.

⁸⁹⁵ Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.

⁸⁹⁶ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

⁸⁹⁷ Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.

- 1959 -- Apr 25, fire, Waldrop residence, Hill City, near Calhoun, GA -- 6
 1959 -- Apr 28, fire, coal-burning stove explosion, Nayakik residence, Barrow, AK -- 8

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

- 1960 -- Mar 27, home fire kills widow and five children, Winthrop, ME -- 6
 262. 1960 -- Dec 19, fire, *U.S.S. Constellation*, New York Naval Shipyard, NY -- 50
 263. 1961 -- Jan 6, Thomas Hotel fire, San Francisco, CA -- 20
 1961 -- Feb 01, Mount Vernon Nursing Home fire, Washington, DC -- 7
 264. 1961 -- Mar 28, residential fire (lightning?), Alex Whitehead home, Dotsonville, TN⁸⁹⁸--12
 1961 -- Sep 24, one-ton stake-body truck (carrying 17) overturns/burns, Jacksonville, FL--6
 265. 1961 -- Dec 08, Hartford Hospital fire, Hartford, CT -- 16
 266. 1962 -- Jan 15, fire, Paladino home, Catholic Point community ~Center Ridge, AR -- 10
 1962 -- Dec 20, St. Jude Nursing Home Fire, Hudson, MA -- 9
 1963 -- Jan 20, home fire, thought related to coal stove, kills family, Calhoun, OK -- 8
 267. 1963 -- Feb 21, farm/tenant home fire, near Luxora, AR -- 10
 268. 1963 -- Feb 23, home fire (Paul Saville family--wife, 8 children), Morehouse, MO -- 10
 1963 -- Apr 23, residential fire, River Park Drive, Louisville, KY -- 7
 1963 -- May 03, fire, home for mentally-challenged children, Rockville, IN -- 6
 1963 -- Sep 17, fire, Paradise Pines Rest Home (men in 80s), 14M so. of Riggins, ID-- 7
 269. 1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ⁸⁹⁹ -- 25
 270. 1963 -- Nov 23, Golden Age Nursing Home fire, Fitchville, OH -- 63
 1963 -- Dec 16, duplex home fire, space heater spilled oil, children die, Portland, ME-- 6
 271. 1963 -- Dec 25, fire, portable home oil heater tipped over, Charleston, SC --12-13
 272. 1963 -- Dec 29, Hotel Roosevelt fire, Jacksonville, FL -- 22
 273. 1964 -- Feb 22, house fire (Moses James family, 9 children), near Society Hill, SC -- 11
 1964 -- Mar 03 lightning hits residence starting fire, Forrest City, AR⁹⁰⁰ -- 7
 274. 1964 -- May 23, Samoan Fire-Dance fire, All Hallows Parish Hall, San Fran., CA -- 17
 275. 1964 -- Sep 12, farm house fire (Bowdish/McConnell children), Kasota, MN -- 10
 276. 1964 -- Nov 04, fire, Dorchester Manor Apartment Hotel, Chicago, IL -- 11
 277. 1964 -- Dec 18, Maples (McGraw) Convalescent Home fire, Fountaintown, IN -- 20
 278. 1965 -- Aug 09, Titan II ICBM Silo fire leading to suffocation, near Searcy, AR -- 53
 279. 1965 -- Nov 24, natural gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA⁹⁰¹-- 21
 280. 1965 -- Dec 11, arson fire/mass murder, Seeley Club (Tavern), Chicago, IL⁹⁰² -- 13
 281. 1965 -- Dec 20, arson fire, Jewish Community Center, Yonkers, NY⁹⁰³ -- 12

⁸⁹⁸ Cross-listed in Lightning.

⁸⁹⁹ Ex-mental patient and arsonist arrested and “confessed,” but was not indicted.

⁹⁰⁰ Cross-listed in Lightning.

⁹⁰¹ Cross-listed in Explosions. Seven died the night of explosion and fire. Others died from burn injuries later..

⁹⁰² Cross-listed in Violence-Mass Murder.

⁹⁰³ Cross-listed in Violence-Mass Murder.

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

282.	1966 -- Jan 06, fire (cigarette), Hotel Carlton (and Apartments), St. Paul, MN	--	11
283.	1966 -- Jan 28, Paramount Hotel fire, Boston, MA	--	11
284.	1966 -- Feb 5-6, kerosene heater explodes, fire, rooming house, Miami, FL	--	10
285.	1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK ⁹⁰⁴	--	14
286.	1966 -- Oct 17, fire, floor collapse, firefighters killed, Mercantile Building, NYC	--	12
	1966 -- Nov 06, rowhouse fire, West Franklin Street, West Baltimore, MD	--	8
	1966 -- Dec 28, family farmhouse fire, Panton, VT	--	6
	1967 -- Jan 14, row house (cigarette) fire, Philadelphia, PA	--	9
287.	1967 -- Feb 07, Dale's Penthouse Restaurant fire, Montgomery, AL	--	25
	1967 -- July 04, fire, Shanty family residence, Oxford, ME	--	8
288.	1967 -- July 16, riot and fire, State Prison Road Camp 12 barracks, Jay, FL	--	38
289.	1968 -- Jan 09, fire, paper box factory and tenement/apartment house, Brooklyn, NY--		13
290.	1968 -- Feb 16, arson fire, Randolph Tavern, 107 W. Reed St., Moberly, MO ⁹⁰⁵	--	12
291.	1968 -- Feb 11, fire, residential dwelling, Franklin, PA	--	11
	1968 -- Mar 26, Jackson Hotel fire (inebriated woman with lit cigarette), Omaha, NE--		5
292.	1968 -- Apr 05, gas and gunpowder explosion and fire, Richmond, IN	--	41
293.	1968 -- July 18, fire, dwelling (9 children, 2 adults), St. Albans section, Queens, NY--		11
294.	1968 -- Aug 31, In-Crowd Lounge/apartment fire (possibly Arson), Gary, IN	--	13
	1969 -- Jan 18, Carrie Weaver Nursing Home fire, Greenville, MS	--	7
295.	1969 -- Feb 25, fire, Rosen Architectural Office, Fifth Ave., Manhattan, NYC, NY	--	11
296.	1969 -- Apr 05, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR--		10
297.	1969 -- Apr 06, fire, wood-frame tenement/apartment house, Bridgeport, CT	--	11
298.	1969 -- June 03, fire, apartment house, Kansas City, MO	--	12
299.	1969 -- June 08, arson (patricide), Bailey family home fire, Parkersburg, WV ⁹⁰⁶	--	12
300.	1969 -- July 10, fire, farm dwelling (laundry room), Posen, Presque Isle County, MI--		10
301.	1969 -- Dec 18, tenement fire/faulty Christmas tree lights, Bushwick/Brooklyn NY	--	9-10
302.	1970 -- Jan 09, fire (cigarette), Harmer House Convalescent Home, Marietta OH ⁹⁰⁷	--31-32	
303.	1970 -- Mar 20, arson fire, Ozark Hotel, Westlake Ave./Lenora St., Seattle, WA	--	20
304.	1970 -- Aug 05, fire, pensioner rooming house, E. Hennepin, Minneapolis, MN	--11-12	
305.	1970 -- Sep 13, Ponet Square Hotel fire, Los Angeles, CA	--	19
306.	1970 -- Dec 20, Pioneer International Hotel arson fire, Tucson, AZ ⁹⁰⁸	--	29
307.	1971 -- Jan 14, Westminster Terrace Presbyterian Nursing Home fire, Buechel KY	--	10
308.	1971 -- Apr 25, Seventh Avenue apartments building fire, Seattle, WA	--	12

⁹⁰⁴ Cross-listed in Violence-Arson.

⁹⁰⁵ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁰⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁰⁷ 32 deaths was initial finding. Later it was thought one might have been due to unspecified natural causes.

⁹⁰⁸ Cross-listed in Violence-Arson, Manslaughter/Homicide.

- 1971 -- July 23, fire, Howard Johnson's Motor Lodge, New Orleans, LA -- 6
 1971 -- Sep 15, Lil-Haven Nursing Home fire and suffocations, Salt Lake City, UT -- 6
 309. 1971 -- Oct 19, fire, Geiger Nursing Home (sedated patients), Texas Township, PA --all 15

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

- 1972 -- Jan 05, fire, Washington Hotel (transients and the elderly), Toppenish, WA -- 8-9
 1972 -- Jan 06, home fire from burners on stove, unattended children, Portland, OR -- all 7
 310. 1972 -- Jan 16, fire, Pennsylvania House Hotel (residential/transient), Tyrone, PA -- 12
 311. 1972 -- Jan 26, Green Nursing Home fire⁹⁰⁹ (10 patients), Lincoln Heights, OH --all 10
 312. 1972 -- Apr 04, Fair Hills Boarding Home for elderly fire/night/no staff, Rosecrans, WI--10
 313. 1972 -- May 06, Carver Convalescent Center (nursing home) fire, Springfield, IL -- 10
 1972 -- June 17, fire/building collapse, firefighters killed, Hotel Vendome, Boston, MA-- 9
 314. 1972 -- Sep 24, plane crash into Farrell's Ice Cream Parlor, fire, Sacramento, CA⁹¹⁰ -- 22
 315. 1972 -- Nov 30, Baptist Towers Home for Senior Citizens fire, Atlanta, GA -- 10

 316. 1973 -- Jan 29, arson fire, Street's Sheltered Care Rest Home, Pleasantville, NJ⁹¹¹ -- 10
 1973 -- Feb 07, Navy Corsair II plane crash/apartment bldg., fire, Alameda, CA⁹¹² -- 8-9
 317. 1973 -- Feb 10, fire/gas explos./LNG tank concrete roof falls, Staten Island NY⁹¹³ -- 40
 318. 1973 -- June 24, arson fire, gay UpStairs Cocktail Lounge, New Orleans, LA⁹¹⁴ -- 32
 319. 1973 -- July 11, fire, apartment building/rooming house, Main St., Worcester, MA -- 10
 320. 1973 -- Sep 13, fire, Washington Hill Nursing Home, Philadelphia, PA -- 11
 321. 1973 -- Sep 29, arson fire, tenement, Eleventh & Willow, Hoboken, NJ⁹¹⁵ -- 11
 322. 1973 -- Nov 15, fire, Stratford Apartments building, Los Angeles, CA -- 25
 323. 1973 -- Dec 04, Caley Nursing and Rehabilitation Center fire, Wayne, PA -- 15

 324. 1974 -- Jan 24, Vogel Apartment House fire (7 children, 3 adults), Liberty, NY -- 10
 325. 1974 -- June 30, fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY -- 24
 326. 1974 -- Aug 25, Washington House Hotel fire, Berkeley Springs, WV -- 12

 1975 -- Jan 18, rowhouse fire (cigarette), 7 children/1 adult, Walbrook Ave. Baltimore, MD-- 8
 327. 1975 -- June 09, mattress set on fire, spreads, Seminole County Jail, Sanford, FL -- 11
 328. 1975 -- July 07, Pomona Hotel arson fire, Skid Row, Portland, OR⁹¹⁶ -- 12
 329. 1975 -- Dec 12, condemned Gartland Apartments arson fire, San Francisco, CA -- 14
 1975 -- Dec 28, fire, Breezy Point Inn, Island Lake, near Duluth, MN -- 6

 330. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE⁹¹⁷-20

⁹⁰⁹ Overheated furnace running on manual rather than automatic (and had not been turned off to cool down).

⁹¹⁰ Cross-listed in Aviation.

⁹¹¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹¹² Cross-listed in Aviation. The pilot was believed to have died prior to the crash, one person on the ground killed by the crash, and eight by fire, with one additional death to an unattributed cause, possibly fire.

⁹¹³ Cross-listed in Explosions and in Structural/Construction. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

⁹¹⁴ Cross-listed in Violence-Mass Murder.

⁹¹⁵ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹¹⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

331. 1976 -- Jan 30, arson fire, Wincrest Nursing Home, Chicago, IL -- 24
 332. 1976 -- Feb 04, tenement house fire (7 children, 3 adults), Manhattan, NYC, NY -- 10
 1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC -- 9
 333. 1976 -- Oct 24, arson fire, Puerto Rican Social Club, Bronx, NY -- 25
 334. 1976 -- Dec 20, Witmer Street apartment house juvenile arson fire, Los Angeles, CA-- 10
 335. 1976 -- Dec 22, Fields department store fire (5 stories), Fulton Street, Brooklyn, NY-- 12
 336. 1976 -- Dec 24, fire, birthday party (10 children), apartment house, Chicago, IL -- 12

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

337. 1977 -- Jan 28, Stratford Hotel fire (early a.m., below zero), Breckenridge, MN -- 16
 338. 1977 -- May 28, Beverly Hills Supper Club fire, Southgate, KY -- 165
 339. 1977 -- June 26, Maury County Jail arson fire, Columbia, TN⁹¹⁸ -- 42
 340. 1977 -- Dec 10, Wenonah Park apt. bldg. fire/light fixture short-circuit, Bay City, MI-- 10
 341. 1977 -- Dec 13, Providence College women's dormitory fire, Providence, RI -- 10
 342. 1978 -- Jan 28, fire, Coates House Hotel (many low-income elderly), Kansas City, MO-- 20
 343. 1978 -- Nov 05, arson fire, Allen Motor Inn, Honesdale, Wayne County, PA⁹¹⁹ -- 12
 344. 1978 -- Nov 05, Younkers Brothers Dept. store fire (employees), West Des Moines, IA-- 10
 345. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY-- 10
 346. 1978 -- Dec 07, tenement house fire (7 children/5 adults), Central Ward, Newark, NJ-- 12
 347. 1978 -- Dec 09, Ellisville State School/mental hosp., women's dorm fire, Ellisville, MS--15
 348. 1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ⁹²⁰ -- 21
 349. 1979 -- Apr 01, fire, Marietta Manor private care home for elderly, Connellsville, PA-- 10
 350. 1979 -- Apr 02, Wayside Inn Boarding Home/care facility fire, Farmington, MO -- 25
 351. 1979 -- Apr 11, fire, Halfway House (mental impairment), Lamont Street, Wash. DC-- 10
 352. 1979 -- July 31, arson fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH⁹²¹-- 10
 353. 1979 -- Oct 19, typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan-- 13
 354. 1979 -- Nov 11, Coats Boarding House fire, Pioneer, OH -- 14
 355. 1979 -- Dec 27, fire, Lancaster County Jail, Lancaster, SC -- 11
 356. 1980 -- July 24, explosion/fire, Vogue Metal Crafts Co./Metgal Mfg., Queens, NY⁹²²-- 11
 357. 1980 -- July 26, Brinley Inn Boarding Home (mental impairment) fire, Bradley Beach NJ-- 24
 358. 1980 -- Nov 21, MGM Grand Hotel fire, Las Vegas, NV -- 85
 359. 1980 -- Dec 4, fire, Conference Ctr. at Stouffer's Inn (possibly arson),⁹²³ Harrison, NY-- 26
 360. 1980 -- Dec 18, fire, Avalon Apartment Building, Salt Lake City, UT -- 12
 361. 1981 -- Jan 09, fire, Beachview Rest Home (sheltered care facility) Keansburg, NJ -- 31

⁹¹⁷ Cross-listed in Explosions.

⁹¹⁸ Cross-listed in Violence-Arson.

⁹¹⁹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹²⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹²¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹²² Cross-listed in Explosions.

⁹²³ A waiter was charged with arson and 26 counts of murder and found guilty by jury; however, the presiding judge overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

362. 1981 -- Jan 11, single family home fire, East St. Louis, IL -- 11
 363. 1981 -- Mar 14, Royal Beach (residential) Hotel fire, Chicago, IL -- 19
 364. 1981 -- Oct 24, arson fire, apartment building, 12th and Washington, Hoboken, NJ⁹²⁴-- 11

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

365. 1982 -- Mar 07, Westchase Hilton Hotel fire, Houston, TX -- 12
 366. 1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ⁹²⁵ -- 13
 367. 1982 -- May 14, row house fire, Baltimore, MD -- 10
 368. 1982 -- July 05, arson fire, apartment building, Waterbury, CT⁹²⁶ -- 14
 369. 1982 -- Sep 04, arson fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA⁹²⁷ --24-25
 370. 1982 -- Nov 08, fire (intentionally set by inmate), Harrison County Jail, Biloxi, MS -- 29
- 1983 -- Aug 31, fire, mentally handicapped home, Annandale Village, Suwanee, GA-- 8
 1983 -- Dec 9, fire (careless smoking) row house (five children), west Baltimore, MD-- 8
- 1984 -- Feb 04, home fire, boy playing with lighter, victims 1-8 years old, Tacoma WA-- 9
 371. 1984 -- Feb 08, family row-house fire, Philadelphia (Kensington section), PA -- 10
 372. 1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA⁹²⁸ -- 15
 373. 1984 -- July 24, Union Oil Co. Refinery explosions and fire, Romeoville, IL⁹²⁹ -- 17
 374. 1984 -- Oct 18, arson fire, Alexander Hamilton residential Hotel, Paterson, NJ⁹³⁰ -- 15
375. 1985 -- May 13, Philadelphia Police bomb MOVE, rowhouse fire, PA⁹³¹ -- 11
 376. 1985 -- July 23, fire, elderly boarding home, Sweet Valley, PA -- 10
377. 1986 -- Dec 31, arson fire, Dupont Plaza Hotel and Casino, San Juan, Puerto Rico⁹³²-- 97
378. 1987 -- Sep 30, residence fire, Milwaukee, WI -- 12
379. 1989 -- Jan 01, rural house fire, Remer, MN -- 10
 1989 -- July 4, home fire, children, locked in house, River Park Drive, Louisville, KY-- 6
380. 1989 -- Oct 05, fire, Hillhaven Rehabilitation and Convalescent Center, Norfolk VA-- 12
 381. 1989 -- Dec 24, John Seiver Elderly Residence fire, Johnson City, TN -- 16
382. 1990 -- Mar 25, arson fire, Happy Land Social Club, Bronx, NY⁹³³ -- 87
383. 1991 -- Feb 16, fire (extension cord related), apartment building, New Britain, CT -- 10

⁹²⁴ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹²⁵ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹²⁶ Cross-listed in Violence-Arson.

⁹²⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹²⁸ Cross-listed in Violence-Arson.

⁹²⁹ Cross-listed in Explosions, because fires were started by explosions.

⁹³⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹³¹ Cross-listed in Violence-Governmental Use of Force.

⁹³² Cross-listed in Violence-Arson.

⁹³³ Cross-listed in Violence-Arson.

384. 1991 -- Mar 04, Crystal Springs Boarding Home fire, Colorado Springs, CO -- 10
 385. 1991 -- Sep 03, chicken processing plant fire, Hamlet, NC -- 25
 386. 1991 -- Dec 9, West Side Apartment Building fire, Humboldt Park, Chicago, IL -- 10

FIRE -- Structural -- CHRONOLOGICAL -- (continued):

- 1992 -- Feb 13, fire (space heaters or smoking) row house (5 children), Camden, NJ-- 8
 387. 1992 -- June 2, Fire, Nu-Way Development Home (Adult Foster Care), Detroit, MI -- 10
 1992 -- July 7, Arson Fire set by mother kills six of her children, Baltimore, MD⁹³⁴ -- 6
 1992 -- Nov 8, Fire (fireplace ashes in box), Home, South Jordan (~Salt Lake), UT -- 5
 1992 -- Dec 05, Fire (apparently smoking in bed), row house (8 children), Chester, PA-- 8
 1992 -- Dec 17, fire, four-family apartment building, Auburn, WA -- 5
388. 1993 -- Apr 19, FBI/ATF attack/fire, Branch Davidian Compound, Waco, TX⁹³⁵ -- 75
 1993 -- Feb 27, Arson Fire & Mass Murder, Apartment Building, Providence, RI⁹³⁶ -- 6
 1993 -- Feb 28, fire, apartment building (8 children, 1 adult), Ludington, MI -- 9
 389. 1993 -- Mar 16, fire, Paxton Hotel, Chicago, IL -- 20
 390. 1993 -- May 3, arson fire, apart./tenement bldg., Burlington Ave., Los Angeles, CA⁹³⁷-- 10
- 1994 -- Jan 9, fire (clothing on heating grate), row house (6 children), Baltimore, MD-- 7
 1994 -- Feb 26, fire from candle; rowhouse; power turned off, west Baltimore, MD-- 9
391. 1995 -- Apr 19, Terrorism, Alfred P. Murrah Federal bldg. Bombing, Oklahoma City⁹³⁸168
392. 1997 -- May 13, fire, board and care facility, Harvey's Lake, PA -- 10
393. 1998 -- Mar 22, fire, Mt. Cabin, Spring Break youths, Madisonburg Mt. ~Madisonburg, PA-- 11
 1998 -- Apr 27, arson? fire, Arlington Manor elderly/disabled boarding home, Arlington WA⁹³⁹-8
394. 1999 -- Jan 1, fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN-- 6
395. 2001 -- Jan 03, Single Family Dwelling Fire, Oak Orchard, Sussex Ct., DE -- 11
 396. 2001 -- Sep 11, World Trade Center Terrorist Attack and Fires, NYC, NY⁹⁴⁰ --2,666
397. 2003 -- Feb 20, fire, trampling, The Station Nightclub, West Warwick, RI⁹⁴¹ -- 100
 398. 2003 -- Feb 26, fire (set by patient), Greenwood Nursing Home, Hartford, CT -- 16
 399. 2003 -- Sep 25, fire, National Healthcare Center Nursing Home, Nashville, TN -- 16

⁹³⁴ Cross-listed in Violence-Arson.

⁹³⁵ Cross-listed in Violence, Government Use of Force. While the Davidians died from multiple causes, fire and smoke caused by canisters fired into the compound caused deaths (including amongst the 25 children killed).

⁹³⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹³⁷ Cross-listed in Violence – Arson.

⁹³⁸ Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).

⁹³⁹ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

⁹⁴⁰ Cross-listed in Aviation and Violence-Terrorism.

⁹⁴¹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

FIRE – Structural – Chronological (continued):

400.	2004 -- Sep 12, arson fire, Lincoln Park West Apts., Prairie Township, OH	--	10
401.	2005 -- Mar 10, townhouse mattress fire, Marrero, LA	--	11
	2005 -- May 21, arson fire, house during child's birthday sleepover, Cleveland, OH ⁹⁴² --		9
	2006 -- Mar 11, fire, residential, wood-burning stove probable cause, Shoals, IN	--	6
	2006 -- Mar 11, fire, two-story home, Evensville, Rhea County, TN	--	9
	2006 -- Apr 7, fire, residential, Propane lantern ignites mtl. in mobile home, Jacksonville, FL--		6
	2006 -- July 20, fire (over-heated refrigerator) in residential home, Chickasha, OK	--	7
402.	2006 -- Oct 31, arson fire, Mizpah Hotel, North Lake St., Reno, NV ⁹⁴³	--	12
403.	2006 -- Nov 27, fire, Anderson Guest House (elderly/mentally-impaired), Anderson, MO--		11
	2007 -- Jan 13, fire, Emmons Jr. Apartment Building, Huntington, WV	--	9
404.	2007 -- Feb 06, single-family house fire, Bardstown, KY	--	10
405.	2007 -- Mar 07, rowhouse fire, Bronx, NY	--	10
	2007 -- May 22, fire (smoking materials), row house, east Baltimore, MD	--	8
	2007 -- June 18, fire, Sofa Super (furniture) Store, firefighters killed, Charleston, SC--		9
	2007 -- Oct 02, fire, 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO--		5
	2007 -- Oct 28, fire, beach house (young college students), Ocean Isle Beach, NC	--	7
406.	2008 -- Apr 03, residential fire, Brockway, PA	--	10
	2010 -- Dec 14, fire, two-story brick rowhouse home, east Baltimore, MD	--	6
	2010 -- Dec 28, fire, abandoned warehouse used by homeless, New Orleans, LA	--	8
	2013 -- Mar 09, fire, home (unknown cause), man, woman, 5 children, Gray, KY	--	7
	2014 -- Jan 30, fire, home, linked to electric heater, mom, children, Depoy, KY	--	9
	2014 -- Feb 22, house fire (parents and four children), Indianapolis, IN	--	6
	2014 -- Aug 29, mobile home fire (cause undetermined), just outside Garland, NC	--	6
	2014 -- Nov 1, rooming house fire (landlord charged with manslaughter), Portland, ME--		6
407.	2016 -- Dec 02, fire, rave party in warehouse, Fruitvale district, Oakland, CA	--	36
408.	2017 -- Dec 28, fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY--		13
409.	2022 -- Jan 05, rowhouse/apt. fire (8 children/4 adults), Fairmont sec., Philadelphia, PA--		12

⁹⁴² Cross-listed in Violence – Arson.

⁹⁴³ Cross-listed in Violence-Arson, Manslaughter/Homicide.

FIRE -- Structural -- Arson Subset⁹⁴⁴ -- Chronological

1. 1854 -- Apr 25, arson fire, Jennings Building (all firemen), Broadway, NY, NY -- 11
2. 1885 -- Feb 12, arson, Dept. for Insane, Blockley Almshouse, Philadelphia, PA --19-20

3. 1900 -- Mar 12, arson fire (charged), Italian tenement building, Newark, NJ -- 16
4. 1900 -- July 03, arson fire (alleged), tenement, Adams and First Sts., Hoboken NJ --13-14

5. 1932 -- June 07, explosion/arson/mass murder, Ellington Apartments, Cleveland, OH -- 13
6. 1935 -- Sep 29, arson fire, tenement, Chicago, IL -- 10

7. 1944 -- Mar 28, arson fire, New Amsterdam Hotel, San Francisco, CA -- 22
8. 1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV --14-15

9. 1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ⁹⁴⁵ -- 25
10. 1965 -- Dec 20, arson fire, Jewish Community Center, Yonkers, NY -- 12
11. 1965 -- Dec 11, arson fire/Mass Murder, Seeley Club (Tavern), Chicago, IL -- 13
12. 1966 -- Sep 12, arson fire, Lane Hotel, Anchorage, AK -- 14
13. 1968 -- Feb 16, arson fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO -- 12
14. 1969 -- June 08, arson (patricide), Bailey Family home fire, Parkersburg, WV -- 12

15. 1970 -- Mar 20, arson fire, Ozark Hotel, Westlake Ave./Lenora St., Seattle, WA -- 20
16. 1970 -- Dec 20, Pioneer International Hotel arson fire, Tucson, AZ -- 28
17. 1973 -- Jan 29, arson fire, Street's Sheltered Care Rest Home, Pleasantville, NJ -- 10
18. 1973 -- June 24, arson fire, gay UpStairs Cocktail Lounge, New Orleans, LA -- 32
19. 1973 -- Sep 29, arson fire, tenement, Eleventh & Willow, Hoboken, NJ -- 11
20. 1974 -- June 30, fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY -- 24
21. 1975 -- July 07, Pomona Hotel arson fire, Skid Row, Portland, OR⁹⁴⁶ -- 12
22. 1975 -- Dec 12, condemned Gartland Apartments arson fire, San Francisco, CA -- 14
23. 1976 -- Jan 30, arson fire, Wincrest Nursing Home, Chicago, IL -- 24
- 1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC -- 9
24. 1976 -- Oct 24, arson fire, Puerto Rican Social Club, Bronx, NY -- 25
25. 1976 -- Dec 20, Witmer Street apartment house juvenile arson fire, Los Angeles, CA -- 10
26. 1977 -- June 26, arson fire, Maury County Jail, Columbia, TN -- 42
27. 1978 -- Nov 05, arson fire, Allen Motor Inn, Honesdale, Wayne County, PA -- 12
28. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY -- 10
29. 1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ -- 21
30. 1979 -- July 31, arson fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH -- 10

31. 1980 -- Oct 28, apartment building arson fire kills children, South Side Chicago, IL -- 10
32. 1981 -- Oct 24, arson fire, apartment building, 12th and Washington, Hoboken, NJ -- 11
33. 1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ⁹⁴⁷ -- 13

⁹⁴⁴ All Arson fires are cross-listed in Violence-Arson, Manslaughter/Homicide subset.

⁹⁴⁵ Ex-mental patient and arsonist arrested and "confessed," but was not indicted. Cross-listed in Violence-Arson.

⁹⁴⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁴⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

- 34. 1982 -- Sep 04, arson fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA --24-25
- 35. 1984 -- July 04, Elliott Chambers Rooming Home arson fire, Beverly, MA -- 15
- 36. 1984 -- Oct 18, Alexander Hamilton residential Hotel arson fire, Paterson, NJ⁹⁴⁸ -- 15
- 37. 1986 -- Dec 31, Dupont Plaza Hotel arson fire, San Juan, Puerto Rico -- 97

FIRE -- Structural -- **Arson** Subset -- **Chronological** -- continued:

- 38. 1990 -- Mar 25, Happy Land Social Club arson fire, Bronx, NY -- 87
- 1992 -- July 7, arson fire set by mother kills six of her children, Baltimore, MD -- 6
- 1993 -- Feb 27, arson fire & mass murder, apartment building, Providence, RI -- 6
- 39. 1993 -- May 3, arson fire, apart./tenement bldg., Burlington Ave., Los Angeles, CA -- 10
- 1998 -- Apr 27, arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA⁹⁴⁹-- 8

- 40. 2004 -- Sep 12, arson fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
- 2005 -- May 21, arson fire, House during child's birthday sleepover, Cleveland, OH -- 9
- 41. 2006 -- Oct 31, arson fire, Mizpah Hotel, North Lake St., Reno, NV -- 12

⁹⁴⁸ originally a hotel, but had become a low-rent apartment building.

⁹⁴⁹ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

Fire, Structural **Churches** subtype -- **Chronological**

1. 1875 -- May 27, Holyoke Catholic Church fire, Holyoke, MA -- 75
2. 1964 -- May 23, Samoan Fire-Dance Fire, All Hallows Parish Hall, San Fran., CA -- 17

Fires, Structural**Commercial (Retail) (subtype) -- Chronological**

1. 1854 -- Apr 25, arson fire, Jennings Building (all firemen), Broadway, NY, NY⁹⁵⁰ -- 11
2. 1857 -- Apr 14, fire, warehouse wall/floor collapse, Charles Street, Baltimore, MD -- 12
3. 1957 -- Dec 05, natural gas explosion/fire, five downtown businesses, Villa Rica, GA⁹⁵¹-- 12
4. 1865 -- June 09, ordnance building explosion/fire, train sparks, Chattanooga, TN⁹⁵² -- ~10
5. 1882 -- Jan 31, fire, World Building (commercial), Park Row & Beekman St., NYC, NY-- 12
6. 1890 -- Mar 17, fire/bldg. collapse on firemen, Bowen-Merrill Co., Indianapolis, IN -- 13
7. 1891 -- Dec 09, fires, Bamberger & Candy/Fireworks bldgs., Main St., Louisville, KY-- 12
8. 1893 -- July 10, fire, Columbia Exposition cold storage warehouse, Chicago, IL --17-19
9. 1906 -- Oct 25, fire, Chamber of Commerce building, Kansas City, KS -- 15
10. 1909 -- Oct 30, fire, business district, St. Johnsbury, VT --10-11
11. 1910 -- Mar 25, fire, L. Fish & Co. Furniture Store, Wabash Ave., Chicago, IL -- 12
12. 1919 -- Jan 07, explosion & fire, Film Exchange, Penn Ave., Pittsburg, PA⁹⁵³ --10-12
13. 1924 -- Feb 15, fire, Lawrence Building, Main Street, Montpelier VT -- 11
14. 1937 -- Feb 05, flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY⁹⁵⁴ -- 10
15. 1947 -- July 29, butane gas explos./fire, Pauline's Beauty School, Harrisonburg VA⁹⁵⁵-- 11
- 1949 -- Mar 04, fire, Woolworth Dept. Store, firefighters killed, Charleston, WV -- 7
16. 1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC⁹⁵⁶-- 10
17. 1966 -- Oct 17, fire, floor collapse, firefighters killed, Mercantile Building, NYC -- 12
18. 1967 -- Feb 07, Dale's Penthouse Restaurant fire, Montgomery, AL -- 25
19. 1969 -- Feb 25, fire, Rosen Architectural Office, Fifth Ave., Manhattan, NYC, NY -- 11
20. 1972 -- Sep 24, plane crash into Farrell's Ice Cream Parlor, and fire, Sacramento, CA⁹⁵⁷-- 22
21. 1976 -- Dec 22, Fields department store fire (5 stories), Fulton Street, Brooklyn, NY -- 12
22. 1978 -- Nov 05, Younkers Brothers Dept. store fire (employees), West Des Moines, IA-- 10
- 2007 -- June 18, fire, Sofa Super (furniture) Store, firefighters killed, Charleston, SC -- 9

⁹⁵⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁵¹ Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.

⁹⁵² Cross-listed in Explosions.

⁹⁵³ Cross-listed in Explosions.

⁹⁵⁴ Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.

⁹⁵⁵ Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.

⁹⁵⁶ Most of the deaths were thought to have been result of the explosion.

⁹⁵⁷ Cross-listed in Aviation.

Fires, Structural **Conflagration, Urban (subtype)** -- **Chronological**

1. 1845 -- July 19, fire and explosion, New, Broad, Beaver, Broadway Sts., NYC, NY⁹⁵⁸-- 30
2. 1849 -- May 17, fire, 27 boats, much of wharf & business district, St. Louis, MO -- 3-20
3. 1850 -- July 09, fire/conflagration, Old City Philadelphia, PA -- 44
4. 1851 -- May 03-04, conflagration, "Fifth Great Fire," San Francisco, CA ---14--30
5. 1857 -- Oct 19, fire, brothel, stores, warehouses, S. Water Street, Chicago, IL -- 27
6. 1865 -- Feb 08, conflagration fire, Philadelphia, PA -- 20
7. 1865 -- Feb 18, gunpowder explosion/fire, Northeastern RR Depot, Charleston SC⁹⁵⁹--150-200
8. 1871 -- Sep 15, restaurant fire, conflagration, powder explosion, Pioche, NV -- 13
9. 1871 -- Oct 08-10, conflagration, The Great Chicago Fire, IL --250-300
10. 1872 -- Nov 09-10, conflagration ("Great Boston Fire of 1872"), Boston, MA --25-41
11. 1892 -- Oct 28, conflagration, Milwaukee, WI -- 10
12. 1901 -- May 03, the Great Jacksonville Fire (conflagration), Jacksonville, FL -- ≥ 7
13. 1906 -- Apr 18, earthquake, fire, landslides, San Francisco & vicinity, CA⁹⁶⁰ --3,000-5,000
14. 1908 -- Apr 12, The Great Chelsea Fire/Conflagration of 1908, Chelsea, MA --15-19
- 1909 -- Apr 11, urban conflagration, Lenox, MA -- 6
15. 1940 -- July 30, explosions/conflagration, R. M. Hollingshead Plant, Camden, NJ⁹⁶¹ -- 10

⁹⁵⁸ Cross-listed in Explosions.

⁹⁵⁹ Majority of deaths, if not great majority, were from the explosion. A very large fire resulted which destroyed a roughly four-block area. Deaths from fire were reported, though without noting the number.

⁹⁶⁰ Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

⁹⁶¹ Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

Fire -- Hotels, Motels, Inns, Boarding Houses, Country Clubs – Temp. Lodging -- Chronological

1. 1858 -- Feb 20, fire, Pacific Hotel, St. Louis, MO --21-30
2. 1870 -- Dec 25, Fire, Spotswood Hotel, Richmond, VA -- 9-12
3. 1872 -- Dec 10, Fire, Fifth Avenue Hotel, New York, NY -- 22
4. 1877 -- Apr 11, Southern Hotel Fire, St. Louis, MO --16-21

5. 1881 -- Dec 10, Lamp Fire, Boarding House, Rock Cut, ~Pittsburgh, PA --16-17
6. 1883 -- Jan 10, Fire (suspected arson), Newhall House (Hotel), Milwaukee, WI --~71--90
7. 1883 -- Mar 10, Fire, Boarding House, Brownsville, ND -- 11
8. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX⁹⁶² --13-15
9. 1886 -- Dec 28, Fire, Steamer/Boarding House *Bradish Johnson*, Jackson, AL⁹⁶³ -- ~24
10. 1887 -- Mar 18, Fire, Richmond Hotel (Young Men's Assn.), Buffalo, NY -- 15
11. 1887 -- Mar 24, Fire, Colby Iron Mine Boarding House, Bessemer, MI -- 12
12. 1888 -- June 04, Fire, Mundine Hotel, Rockdale, TX -- 11

13. 1892 -- Feb 07, Fire, Hotel Royal, Fortieth Street & Sixth Avenue, NYC, NY --28-30
14. 1895 -- Dec 31, Fire, Delavan House (Hotel), Albany NY -- 16
15. 1898 -- Mar 13, Fire, Bowery Mission and Young Men's Home, NYC, NY -- 11
16. 1899 -- Mar 17, Fire, Windsor Hotel, Fifth Avenue, New York, NY -- 45

17. 1902 -- Feb 09, Fire, Empire Hotel lodging house, Olive Street, St. Louis, MO -- 11
18. 1902 -- Feb 22, Fire, Park Avenue Hotel, New York City, NY -- 20
19. 1902 -- Dec 04, Fire, Lincoln Hotel, Madison Street, Chicago, IL -- 14
- 1903 -- Feb 20, Fire, Clifton Hotel, Cedar Rapids, IA -- 6
20. 1903 -- Nov 21, Railroad Workmen "Shanty" Fire, near Lilly (~Johnstown), PA --31-35
21. 1906 -- Jan 10, West Hotel Fire, Minneapolis, MN -- 11
22. 1907 -- Sep 05, Fire, Webb Hotel, Shelton, WA --10-11
23. 1908 -- May 03, Fire, Aveline Hotel, Fort Wayne, IN -- 12

24. 1913 -- Feb 28, Dewey Hotel Fire and possible gas explosion, Omaha, NE -- 5-20
25. 1913 -- Dec 2, Fire, Arcadia Boarding House ("Hotel"/Flop House), Boston, MA -- 28
26. 1914 -- Mar 08, Fire, wall fall (17th) Missouri Athletic Club (Lodging), St. Louis, MO⁹⁶⁴--37
- 1916 -- Mar 26, Fire, San Antonio Country Club, San Antonio, TX -- 6
27. 1919 -- Feb 06, Fire, Tokyo Rooming House, South Weller St., Seattle, WA -- 10

28. 1920 -- Sep 06, Fire, Houston Hotel, Klamath falls, OR --10-14
29. 1921 -- Jan 30, Fire (cigarette), Colonial Hotel, Newark Street, Hoboken, NJ -- 13
30. 1922 -- Feb 07, Fire, Lexington Hotel, Richmond, VA -- 12
31. 1926 -- Jan 23, Fire, Lafayette Hotel, North Seventh Street, Allentown, PA -- 13
32. 1926 -- Feb 22, Fire, Schindler's Prairie House (Hotel), Hurleyville, NY --11-12
33. 1926 -- July 14, fire, Twilight Inn, Haines falls, NY -- 14

⁹⁶² Cross listed in Structural Failures.

⁹⁶³ Cross-listed in Maritime.

⁹⁶⁴ Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.

34. 1929 -- Oct 17, fire, Portland Hotel, First Avenue, Seattle, WA -- 10

Fire -- Hotels, Motels, Inns, Boarding Houses, Country Clubs, Temp. Lodging -- Chronological

- 1933 -- Feb 08-09, Millard Hotel fire, firefighters killed by falling walls, Omaha, NE -- 7
35. 1934 -- Mar 24, fire, Federal Transient Bureau Lodging, Lynchburg, VA -- 22
36. 1934 -- Dec 11, Kerns Hotel fire, Grand Avenue, Lansing, MI -- 34
37. 1936 -- Feb 12, fire, Victoria Mansion Hotel, Lexington & Seventh, Lakewood, NJ -- 16
38. 1938 -- May 16, Terminal Hotel fire, Atlanta, GA -- 35
39. 1940 -- Jan 03, fire, Marlborough (Apartment) Hotel, Minneapolis, MN -- 19
40. 1941 -- Feb 07, fire, Salvation Army Homeless Shelter/lodging, Akard St., Dallas, TX-- 13
- 1943 -- Feb 16, fire, rooming house, Augusta, ME -- 8
41. 1943 -- Sep 07, fire, Gulf Hotel (and inexpensive rooming house), Houston, TX -- 55
42. 1943 -- Dec 24, fire, Standard Hotel, West 42nd Street between 9th and 10th, NYC, NY-- 19
43. 1944 -- Mar 28, arson fire, New Amsterdam Hotel, San Francisco, CA⁹⁶⁵ -- 22
44. 1945 -- Jan 16, fire, General Clark Hotel/Boarding House, N. Clark St., Chicago, IL -- 14
45. 1945 -- Jan 31, fire, Lacoste Babies' Boarding Home & Nursery, Auburn, ME⁹⁶⁶ -- 17
46. 1945 -- May 07, fire, Victory House (war workers lodging), Mobile, AL -- 12
47. 1946 -- June 05, LaSalle Hotel fire, Chicago, IL -- 61
48. 1946 -- June 09, Canfield Hotel fire, Dubuque, IA -- 19
49. 1946 -- Dec 07, Hotel Winecoff fire, Atlanta, GA -- 119
50. 1955 -- Feb 12, Barton Hotel fire, sub-zero temp., "skid row," W Madison, Chicago, IL-- 29
- 1958 -- Jan 27, fire & suffocation deaths, Olympia Hotel, Walnut St., Des Moines, IA -- 5
51. 1961 -- Jan 06, Thomas Hotel fire, San Francisco, CA -- 20
52. 1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ⁹⁶⁷ -- 25
53. 1963 -- Dec 29, Hotel Roosevelt fire, Jacksonville, FL -- 22
54. 1966 -- Jan 06, fire (cigarette), Hotel Carlton (and Apartments), St. Paul, MN -- 11
55. 1966 -- Jan 28, Paramount Hotel fire (gas leak from Boylston St. pipe), Boston, MA -- 11
56. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK⁹⁶⁸ -- 14
- 1968 -- Mar 26, Jackson Hotel fire (inebriated woman with lit cigarette), Omaha, NE -- 5
57. 1970 -- Mar 20, arson fire, Ozark Hotel ("flophouse"), Seattle, WA⁹⁶⁹ -- 20
58. 1970 -- Sep 13, Ponet Square Hotel fire, Los Angeles, CA -- 19
59. 1970 -- Dec 20, arson fire, Pioneer International Hotel, Tucson, AZ⁹⁷⁰ -- 29
- 1971 -- July 23, fire, Howard Johnson's Motor Lodge, New Orleans, LA -- 6
- 1972 -- Jan 05, fire, Washington Hotel (transients and the elderly), Toppenish, WA -- 8-9
60. 1972 -- Jan 16, fire, Pennsylvania House Hotel (residential/transient), Tyrone, PA -- 12

⁹⁶⁵ Cross-listed in Violence subset Arson.

⁹⁶⁶ Was a boarding home for babies and children up to five. Cross listed in Orphanage, though this was not one.

⁹⁶⁷ Ex-mental patient and arsonist arrested and "confessed," but was not indicted.

⁹⁶⁸ Cross-listed in Violence-Arson.

⁹⁶⁹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁷⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

- 1972 -- June 17, fire/building collapse, firefighters killed, Hotel Vendome, Boston, MA-- 9
 61. 1974 -- Aug 25, Washington House Hotel fire, Berkeley Springs, WV -- 12
 62. 1975 -- July 07, Pomona Hotel arson fire, skid row, Portland, OR⁹⁷¹ -- 12
 1975 -- Dec 28, fire, Breezy Point Inn, Island Lake, near Duluth, MN -- 6
 63. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE⁹⁷²-- 20
 64. 1977 -- Jan 28, Stratford Hotel fire (early a.m., below zero temp.), Breckenridge, MN-- 16

Fire -- Hotels, Motels, Inns, Boarding Houses, Country Clubs, Temp. Lodging-Chronological

65. 1978 -- Jan 28, fire, Coates House Hotel (many low-income elderly), Kansas City, MO -- 20
 66. 1978 -- Nov 05, arson fire, Allen Motor Inn, Honesdale, Wayne County, PA⁹⁷³ -- 12
 67. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY-- 10
 68. 1979 -- July 31, arson fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH⁹⁷⁴ -- 10

 69. 1980 -- Nov 21, MGM Grand Hotel fire, Las Vegas, NV -- 85
 70. 1980 -- Dec 4, fire, Conference Ctr. at Stouffer's Inn (possibly arson),⁹⁷⁵ Harrison, NY -- 26
 71. 1981 -- Mar 14, Royal Beach (residential) Hotel fire, Chicago, IL -- 19
 72. 1982 -- Mar 07, Westchase Hilton Hotel fire, Houston, TX -- 12
 73. 1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ⁹⁷⁶ -- 13
 74. 1982 -- Sep 04, arson fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA⁹⁷⁷ --24-25
 75. 1984 -- July 4, arson fire, Elliott Chambers Rooming Home, Beverly, MA⁹⁷⁸ -- 15
 76. 1984 -- Oct 18, arson fire, Alexander Hamilton residential Hotel, Paterson, NJ⁹⁷⁹ -- 15
 77. 1986 -- Dec 31, arson fire, Dupont Plaza Hotel, San Juan, Puerto Rico⁹⁸⁰ -- 97

 78. 1993 -- Mar 16, arson fire, Paxton Hotel, Chicago, IL -- 20
 79. 2006 -- Oct 31, fire, Mizpah Hotel, North Lake St., Reno, NV⁹⁸¹ -- 12
 2007 -- Oct 28, fire, Beach House (young college students), Ocean Isle Beach, NC⁹⁸² -- 7

⁹⁷¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁷² Cross-listed in Explosions.

⁹⁷³ Cross-listed in Violence-Arson.

⁹⁷⁴ Cross-listed in Violence-Arson.

⁹⁷⁵ A waiter was charged with arson and 26 counts of murder and found guilty by jury; but, the presiding judge overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

⁹⁷⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

⁹⁷⁷ Cross-listed in Violence-Arson.

⁹⁷⁸ Cross-listed in Violence-Arson.

⁹⁷⁹ Cross-listed in Violence-Arson. (originally a hotel, but had become a low-rent apartment building.)

⁹⁸⁰ Cross-listed in Violence-Arson.

⁹⁸¹ Cross-listed in Violence-Arson.

⁹⁸² Owned by a family, but used as a vacation and rental structure, not a home.

Fire -- Industrial, Production, Wholesale -- Factories, Manufacturing, Warehouses -- Chronological

1.	1833 -- Oct 04, fire, Eagle Woolen Mills, Allegheny, PA	-- 13
2.	1841 -- Aug 20, fire, gunpowder explosion, carpenter's shop, Syracuse, NY ⁹⁸³	-- 26
3.	1850 -- Feb 04, Boiler Explosion & Fire, Taylor & Co., Hague St., Manhattan, NY ⁹⁸⁴	--60-75
4.	1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA ⁹⁸⁵	-- ≥14
5.	1864 -- Jun 17, Explosion/fire, Washington Arsenal, Greenleaf Pt., ⁹⁸⁶ District of Col. ⁹⁸⁷	--21
6.	1874 -- Sep 19, Fire, Granite Mill (Factory) No. 1, fall River, MA	--23-25
7.	1877 -- Jun 08, Fire, Wall Failure, Sanford & Son's Hat Factory, Bridgeport, CT	--11-13
8.	1877 -- Dec 20, Fire, Greenfield Candy Works, Barclay St., NY, NY	-- 10
9.	1880 -- Dec 17, Fire, M.H. Birge & Co.'s "Manufactory," Buffalo, NY	-- 13
10.	1881 -- Oct 12, Fire, Randolph Cotton and Woolen Mill, Randolph St., Philly, PA	-- 9-12
11.	1883 -- Aug 23, George-Whiting Paper Mill Fire/Explosion, Menasha, WI	-- 16
12.	1885 -- May 21, Stove Explodes, Fire, Sullivan's Printing Bldg., Cincinnati, OH	-- 18
	1888 -- Aug 09, Fire, Wall Collapse, Caldwell & Griffith block, Chattanooga, TN	-- 5-7
13.	1888 -- Aug 22, Fire & Bleach Explosion, G. Whiting Paper Mill, Neenah, WI ⁹⁸⁸	-- 18
	1888 -- Sep 02, Fire, Firefighters killed, Hopkins Place, Baltimore, MD	-- 7
14.	1888 -- Nov 09, Fire, Steam-Gauge and Lantern Works, Rochester, NY	--34-38
	1889 -- Nov 30, Fire, Tribune Building, Minneapolis, MN	-- 7
15.	1893 -- Feb 09, Fire, Strafford County Workhouse, near Dover, NH	-- 41
16.	1898 -- Feb 09, Fire & Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA ⁹⁸⁹	--14-20
17.	1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI ⁹⁹⁰	-- 10
18.	1898 -- Mar 16, fire/explosion, Ayer Bldg. (Mercantile), Wabash Ave., Chicago, IL ⁹⁹¹	-- 16
19.	1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY ⁹⁹²	--≥7->10
20.	1901 -- Oct 25, Fire, Hunt & Wilkinson Co. Furniture Warehouse, Philadelphia PA	--21-25
21.	1902 -- Oct 21, Fire/glucose tank explosion, Glucose Sugar Refinery, Chicago, IL	--11-12
22.	1904 -- June 04, Corning Distillery Fire, Explosions, Building Collapse, Peoria, IL	-- 15
23.	1905 -- Mar 20, Boiler Explos. & Fire, Grover & Co. Shoe Factory, Brockton, MA ⁹⁹³	-- 58
24.	1905 -- Sep 17, Fuse Factory Explosion & Fire, Avon, CT	-- 9-12
25.	1909 -- Nov 08, Explosion, Fire, Robert Morrison Comb Factory, Brooklyn NY ⁹⁹⁴	--10-12
26.	1910 -- Nov 26, Fire, Asch Factory, Orange & High Sts., Newark, NJ	-- 25
27.	1910 -- Dec 21, Fire, Friedlander Leather Remnants Factory, Philadelphia, PA	-- 14
28.	1910 -- Dec 22-23, Fire, Nelson-Morris Meatpacking Plant, Stockyards, Chicago, IL	-- 24
29.	1911 -- Mar 25, Fire, Triangle Shirtwaist Company, NYC, NY	--146-147

⁹⁸³ Cross-listed in Explosions.

⁹⁸⁴ Cross-listed in Explosions.

⁹⁸⁵ Cross-listed in structural failures – while the most died in collapse, at least 14 trapped died when the fire started. The overall estimated death toll range we show is 90-145.

⁹⁸⁶ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

⁹⁸⁷ Cross-listed in "Explosions."

⁹⁸⁸ Cross-listed in Explosions (the cause of most, if not all, of the deaths).

⁹⁸⁹ Cross-listed in Explosions. It is not clear whether the fire or the first explosion came first. Most of the fatalities were explosion-related – walls falling and building components failing.

⁹⁹⁰ Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.

⁹⁹¹ This was a mixed-use building with retail and wholesale commercial enterprises, as well as manufacturing.

⁹⁹² Cross-listed in Fire. A fire of undetermined source led to a series of explosions (which caused the fatalities).

⁹⁹³ Cross-listed in Explosions.

⁹⁹⁴ Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.

Fire - Industrial, Production, Wholesale – Factories, Manufacturing, Warehouses - Chronological

30.	1913 -- July 22, Binghamton Clothing Company fire, New York City, NY	--	35
31.	1915 -- Oct 25, Fire, Union Paper Box Company, Pittsburgh, PA	--	14
32.	1915 -- Nov 06, Fire, Essex Waist Co., Diamond Factory, Brooklyn, NY	--	12
	1916 -- Oct 17, Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY	--	9
33.	1918 -- July 02, Semet-Solvay Co. TNT plant fire/explosions, Split Rock, NY (in Explosions)	--	50
34.	1918 -- Sep 17, Fire, American Button Company Plant, Newark, NJ	--	11
35.	1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA ⁹⁹⁵	--	16
36.	1927 -- Apr 23, Fire/Explosions, Briggs Manufacturing Co., Detroit, MI	--	23
37.	1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA ⁹⁹⁶	--	14
38.	1928 -- Apr 20, Fire, Alexander Industries Plane Plant, Englewood, CO	--	11
39.	1928 -- Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA ⁹⁹⁷	--	20-21
40.	1929 -- Dec 10, Fire (lamp), Pathe Film Studio, Manhattan, NYC, NY	--	10
41.	1933 -- Jun 09, Fire, Atlantic Pyroxylin Waste Co., North Arlington, NJ	--	10
42.	1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ ⁹⁹⁸	--	10
43.	1941 -- Feb 05, Fire, New Haven Quilt and Pad Company, New Haven, CT	--	10
44.	1944 -- Oct 20, LNG Tank Explosions & Fire, East Ohio Gas Co., Cleveland, OH ⁹⁹⁹	128-136	
45.	1945 -- Aug 13, Fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI	--	15
46.	1946 -- Jan 28, Gasoline fumes ignite, fire, Tinker Field Hangar ~Oklahoma City, OK	--	10
47.	1946 -- Oct 03, explosions/fire, alkylation unit fractionating tower, Sun Oil Co., Marcus Hook, PA	--	10
48.	1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO ¹⁰⁰⁰	--	12
	1950 -- July 16, Fire, lead and zinc smelting plant, Lark, UT	--	5
49.	1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL ¹⁰⁰¹	--	18
50.	1953 -- Mar 11, fire/smoke, Anheuser-Busch fermentation bldg. under construct., Newark NJ	--	13
51.	1954 -- Oct 28, fumes/chemical tank explodes, Charles W. Berg Labs, Philadelphia, PA	--	10
52.	1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX ¹⁰⁰²	--	19
53.	1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY ¹⁰⁰³	--	10
54.	1957 -- Jan 24, M. Baer Dress Co. Factory Fire, New Haven, CT	--	15
55.	1958 -- Mar 19, Fire and Floor Collapse, Monarch Underwear Co., NYC, NY	--	24
56.	1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof falls, Staten Island NY ¹⁰⁰⁴	--	40
57.	1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL ¹⁰⁰⁵	--	17
58.	1991 -- Sep 03, Chicken Processing Plant Fire, Hamlet, NC	--	25
	2007 -- Oct 02, fire, 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO	--	5

⁹⁹⁵ Cross-listed in Explosions.

⁹⁹⁶ Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.

⁹⁹⁷ Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.

⁹⁹⁸ Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

⁹⁹⁹ Cross-listed in Explosions. At least 32 died in fires in nearby houses.

¹⁰⁰⁰ Cross-listed in Explosions.

¹⁰⁰¹ Cross-listed in Explosions.

¹⁰⁰² Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.

¹⁰⁰³ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

¹⁰⁰⁴ Cross-listed in Explosions and in Structural/Construction. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

¹⁰⁰⁵ Cross-listed in Explosions, because fires were started by explosions.

2010 -- Dec 28, fire, abandoned warehouse used by homeless, New Orleans, LA -- 8

Fires, Structural -- **Institutional – Hospitals** subtype -- **Chronological**

1. 1892 -- Jan 21, Surgical Institute (hospital) fire, IL and GA streets, Indianapolis, IN -- 19
2. 1918 -- Apr 13, Oklahoma State Hospital for the Insane fire, Norman, OK --39-40
3. 1923 -- Feb 18, Manhattan State Hospital fire, Ward's Island, NY -- 27
4. 1929 -- May 15, Cleveland Clinic (hospital) fire, Cleveland, OH -- 125
5. 1945 -- Dec 24, Niles Street Convalescent Hospital fire, Hartford, CT -- 21
6. 1949 -- Apr 04-5, St. Anthony's Hospital fire (including 13 babies), Effingham IL -- 75
7. 1950 -- Jan 07, fire, Women's Psychopathic Building, Mercy Hospital, Davenport IA -- 41
1956 -- Dec 23, fire, Xmas tree wiring short circuit, Doctors' Hosp., Minneapolis, MN-- 7
8. 1961 -- Dec 08, Hartford Hospital fire, Hartford, CT -- 16

Fires, Structural -- Institutional – Mental Institutions, Boarding Homes -- Chronological

1. 1850 -- Dec 03, Fire, Maine Insane Asylum, Augusta, ME -- 28
2. 1880 -- Nov 15, Fire, Minnesota State Asylum for Insane, St. Paul, MN --24-30
3. 1885 -- Jan 18, Fire, Illinois Eastern Hospital for Insane, Kankakee, IL -- 18
4. 1885 -- Feb 12, Arson fire, Dept. for Insane, Blockley Almshouse, Philadelphia PA¹⁰⁰⁶-19-20
5. 1891 -- Mar 13, Fire, Central Tennessee Insane Asylum, near Nashville, TN --10-11
6. 1899 -- Feb 12, Fire, State Insane Asylum, near Yankton, SD -- 17
7. 1902 -- June 09, Fire, St. Luke's Society Sanitarium, Wabash / 21st, Chicago, IL --12-13
8. 1918 -- Apr 13, Fire, Oklahoma State Hospital for the Insane, Norman, OK --39-40
9. 1919 -- May 19, Mental Asylum Fire in Columbia, SC -- 16
10. 1923 -- Dec 26, fire, Illinois State Hospital for the Insane, Dunning, IL -- 18
11. 1943 -- Jan 31, Fire, Lake Forest Park Sanitarium,¹⁰⁰⁷ Lake Forest Park, WA -- 32
 1948 -- Mar 10/11, Fire, Highland Hospital for Nervous Disorders, Asheville, NC -- 9
12. 1950 -- Jan 07, Fire, Women's Psychopathic Building, Mercy Hospital, Davenport IA -- 41
13. 1952 -- Nov 26, Fire, Female Ward, Huntington State Mental Hosp., Huntington, WV -- 17
 1963 -- May 03, fire, home for mentally-challenged children, Rockville, IN -- 6
14. 1978 -- Dec 09, Ellisville State School/mental hosp., women's dorm fire, Ellisville, MS-- 15
15. 1979 -- Apr 11, Fire, Halfway House (Mental Impairment), Lamont Street, Wash. DC -- 10
16. 1980 -- July 26, Brinley Inn Boarding Home (Mental Impairment) Fire, Bradley Beach, NJ-- 24
 1983 -- Aug 31, Fire, Mentally Handicapped Home, Annandale Village, Suwanee, GA-- 8
17. 1992 -- June 02, Fire, Nu-Way Development Home (Adult Foster Care), Detroit, MI -- 10
 1998 -- Apr 27, Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA¹⁰⁰⁸-- 8
18. 2006 -- Nov 27, Fire, Anderson Guest House (elderly/mentally-impaired), Anderson MO¹⁰⁰⁹-11

¹⁰⁰⁶ Cross-listed in Violence-Arson.

¹⁰⁰⁷ For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.

¹⁰⁰⁸ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

¹⁰⁰⁹ Cross-listed in Structural Fire subset – Institutional – Nursing, Convalescent, Elderly Boarding, Retirement.

Fires - Institutional - Nursing, Convalescent, Elderly Boarding, Retirement Homes Chronological

1. 1876 -- Mar 07, fire, Home for the Aged, East Brooklyn, NY -- 18
 1916 -- Dec 22, Kansas Masonic Charity Home fire, Wichita, KS¹⁰¹⁰ -- 5
2. 1931 -- July 24, Home for the Aged fire, Pittsburgh, PA -- 48
3. 1934 -- Feb 20, Penn. Mem. Home/Hosp. (Civil War veterans widows) fire, Brookville, PA--10
 1943 -- Feb 11, fire and suffocation (elderly), Convalescent Home, Sioux falls, SD -- 7
4. 1946 -- Feb 02, Jennings Hall Home for Aged explosion and fire, Garfield Heights, OH-- 14
 1948 -- Mar 23, Ward's Rest/Convalescent Home for elderly fire, north Omaha, NE -- 8
5. 1950 -- Dec 22, Walker Convalescent Home (for elderly) fire, near Amarillo, TX -- 10
6. 1951 -- Jan 30, McClary Convalescent Home (for aged) incinerator fire, Hoquiam, WA-- 21
7. 1952 -- Oct 31, Cedar Grove Nursing Home fire, Hillsboro, MO --18-20
8. 1953 -- Jan 25, Gallagher Nursing Home fire (careless smoking), Billings, MT -- 6
9. 1953 -- Mar 29, Littlefield Nursing Home fire, Largo, FL¹⁰¹¹ --33-35
10. 1956 -- July 30, Reagan Nursing Home fire (1 survivor), Puxico, MO -- 12
11. 1957 -- Feb 13, Council Bluffs Convalescent Home fire, Council Bluffs, IA --16-17
12. 1957 -- Feb 17, Katie Jane Nursing Home fire, Warrington, MO -- 72
 1961 -- Feb 01, Mount Vernon Nursing Home fire, Washington, DC -- 7
 1962 -- Dec 20, St. Jude Nursing Home Fire, Hudson, MA -- 9
 1963 -- Sep 17, fire, Paradise Pines Rest Home (men in 80s), 14M south of Riggins, ID-- 7
13. 1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ¹⁰¹² -- 25
14. 1963 -- Nov 23, Golden Age Nursing Home fire, Fitchville, OH -- 63
15. 1964 -- Dec 18, Maples (McGraw) Convalescent Home fire, Fountaintown, IN -- 20
 1969 -- Jan 18, Carrie Weaver Nursing Home fire, Greenville, MS -- 7
16. 1970 -- Jan 09, Harmer House Convalescent Home fire (cigarette), Marietta OH¹⁰¹³ --31-32
17. 1970 -- Aug 05, pensioner rooming house fire, E. Hennepin, Minneapolis, MN¹⁰¹⁴ --11-12
18. 1971 -- Jan 14, Westminster Terrace Presbyterian Nursing Home fire, Buechel KY -- 10
 1971 -- Sep 15, Lil-Haven Nursing Home fire and suffocations, Salt Lake City, UT -- 6
19. 1971 -- Oct 19, fire, Geiger Nursing Home (sedated patients), Texas Township, PA --all 15
20. 1972 -- Jan 26, Green Nursing Home fire¹⁰¹⁵ (10 patients), Lincoln Heights, OH --all 10
21. 1972 -- Apr 04, Fair Hills Boarding Home for elderly fire/night/no staff, Rosecrans, WI-- 10
22. 1972 -- May 06, Carver Convalescent Center (nursing home) fire, Springfield, IL -- 10
23. 1972 -- Nov 30, Baptist Towers Home for Senior Citizens (11 floors) fire, Atlanta GA-- 10
24. 1973 -- Jan 29, Street's Sheltered Care Rest Home arson fire, Pleasantville, NJ¹⁰¹⁶ -- 10

¹⁰¹⁰ This was also an orphanage, but none of the fatalities were children. Section of home that burned was for elderly Masonic Lodge members.

¹⁰¹¹ 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.

¹⁰¹² Ex-mental patient and arsonist arrested and "confessed," but was not indicted.

¹⁰¹³ 32 deaths was initial finding. Later it was thought one might have been due to unspecified natural causes.

¹⁰¹⁴ Cross-listed in Structural Fire subset of Apartment/Boarding/Rooming House Fires. Most victims were retirees.

¹⁰¹⁵ Overheated furnace running on manual rather than automatic (and had not been turned off to cool down).

- 25. 1973 -- Sep 13, Washington Hill Nursing Home fire, Philadelphia, PA -- 11
- 26. 1973 -- Dec 04, Caley Nursing and Rehabilitation Center fire, Wayne, PA -- 15
- 27. 1976 -- Jan 30, Wincrest Nursing Home arson fire, Chicago, IL -- 24
- 28. 1979 -- Apr 01, Marietta Manor private care home for elderly fire, Connellsville, PA -- 10
- 29. 1979 -- Apr 02, Wayside Inn Boarding Home/Care Facility fire, Farmington, MO -- 25
- 30. 1979 -- Nov 11, Coats Boarding/Nursing House fire, Pioneer, OH -- 14

Fires - Institutional - Nursing, Convalescent, Elderly Boarding, Retirement Homes-Chronological (cont.)

- 31. 1981 -- Jan 09, Beachview Rest Home (sheltered care facility) fire, Keansburg, NJ -- 31
- 32. 1985 -- July 23, elderly boarding home fire, Sweet Valley, PA -- 10
- 33. 1989 -- Oct 05, Hillhaven Rehabilitation and Convalescent Center fire, Norfolk, VA -- 12
- 34. 1989 -- Dec 24, John Seiver Elderly Residence fire, Johnson City, TN -- 16

- 35. 1991 -- Mar 04, Crystal Springs Estates Boarding Home fire, Colorado Springs, CO -- 10
- 36. 1997 -- May 13, fire, Board and Care Facility, Harvey's Lake, PA -- 10
- 1998 -- Apr 27, Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA¹⁰¹⁷-- 8

- 37. 2003 -- Feb 26, fire (set by patient), Greenwood Nursing Home, Hartford, CT -- 16
- 38. 2003 -- Sep 25, fire, National Healthcare Center Nursing Home, Nashville, TN -- 16
- 39. 2006 -- Nov 27, fire, Anderson Guest House (elderly/mentally-impaired), Anderson MO¹⁰¹⁸--11

¹⁰¹⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰¹⁷ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

¹⁰¹⁸ Cross-listed in Structural Fire subset – Institutional – Mental Asylums, Boarding Homes.

Fires, Structural -- **Institutional – Orphanages** -- **Chronological**

1. 1822 -- Jan 24, fire, Philadelphia Orphan Asylum, Schuylkill & Cherry, Philly PA -- 23
1851 -- Oct 15, Fire Orphan Asylum, Cincinnati, OH -- 6
2. 1881 -- Feb 27, Fire, St. Patrick's Orphanage, Scranton, PA -- 17
3. 1884 -- Dec 18, Fire, St. John's Home Catholic Orphan Asylum, Brooklyn, NY --23-25
4. 1901 -- Jan 08, Fire/Boiler Explosion, Orphan Asylum, Rochester, NY -- 31
1909 -- Aug 30, Fire, St. Malachy's Home for Children, Far Rockaway Beach, NY -- 7
1912 -- Oct 30, Fire, St. John's Orphanage, San Antonio, TX -- 7-8
5. 1945 -- Jan 31, Fire, Lacoste Babies' Boarding Home & Nursery, Auburn, ME¹⁰¹⁹ -- 17
1958 -- Nov 27, Fire, Mary Flake Home for Handicapped Children, Warr Acres, OK -- 5

¹⁰¹⁹ Was a boarding home for babies and children up to five. Cross listed in Orphanage, though this was not one.

Fires, Structural -- **Institutional – Pauper/Poor Houses/Farms** -- **Chronological**

1. 1878 -- Apr 07, fire, Steuben County House (poor house/insane asylum), Bath, NY --15-16
 2. 1881 -- Jan 07, Fire, Strafford County Farm [for paupers], near Dover, NH --13-15
 3. 1884 -- Apr 30, Fire, Van Buren County, MI Poorhouse, near Harford, MI --13-15
 4. 1890 -- May 07, Fire, Chenango Co. Poorhouse & Asylum, Preston, NY -- 13
- 1944 -- April 13, Fire, Douglas County Home (for the poor), near Lawrence, KS -- 8
- 1935 -- Jan 1, Fire, Cherokee County Home for elderly men dormitory, Gaffney, SC -- 5

Fire - Institutional - Penal: Jails, Penitentiaries, Prisons, Prison Camps, Work Houses - Chron.

1. 1866 -- Jan, fire, Jail and City Guard House, Marietta, GA -- 13
2. 1913 -- July 21, fire, convict cage, Oakley Convict Farm, Hinds County, MS -- 35
3. 1916 -- Mar 06, Jail Fire, "El Holocausto," or the "Jail Holocaust," El Paso, TX --18-30
4. 1930 -- Apr 22, Ohio State Penitentiary fire, Columbus, OH --320-322
5. 1931 -- Mar 17, fire, stockade, county jail, Kenansville, NC -- 11
6. 1950 -- Mar 08, fire, prisoner jail, Sandia Secret Weapons Base, Albuquerque, NM -- 15
7. 1959 -- Mar 05, fire, Negro Boys Industrial School Reformatory dorm, Wrightsville AR-- 21
8. 1967 -- July 16, riot and fire, State Prison Road Camp 12 barracks, Jay, FL -- 38
9. 1975 -- June 09, mattress set on fire, spreads, Seminole County Jail, Sanford, FL -- 11
1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC -- 9
10. 1977 -- June 26, arson fire, Maury County Jail, Columbia, TN¹⁰²⁰ -- 42
11. 1979 -- Dec 27, fire, Lancaster County Jail, Lancaster, SC -- 11
12. 1982 -- Nov 08, fire (intentionally set by inmate), Harrison County Jail, Biloxi, MS -- 29

¹⁰²⁰ Cross-listed in Violence-Arson.

Fires, Structural -- **Institutional – Schools and Colleges** subtype -- **Chronological**

1. 1884 -- Jan 05, fire, Immaculate Conception Academy (Conv./School), Belleville, IL -- 32
2. 1903 -- Dec 18, Fire, Women's Dormitory, Walden University, Nashville, TN -- 9-15
3. 1908 -- Mar 04, Fire, Trampling, Lake View Elem. School, Collinwood, OH¹⁰²¹ --175-176
4. 1915 -- Oct 28, Fire, Trampling, St. John's Parochial School, Peabody, MA¹⁰²² -- 21
5. 1916 -- Oct 05, Fire, Christian Brothers College, St. Louis, MO -- 10
6. 1918 -- Jan 12, Fire, Boys dorm., Dwight Indian Mission School, Marble City, OK -- 13
7. 1923 -- May 17, Fire, Cleveland School District, Kershaw County, near Camden, SC -- 77
8. 1924 -- May 31, Fire, Hope Development School, Playa Del Rey, near Venice CA -- 24
9. 1924 -- Dec 24, Babbs Switch School Fire, Hobart, OK -- 36
10. 1954 -- Mar 31, Cleveland Hill Elementary School Fire, Cheektowaga, NY -- 15
11. 1958 -- Dec 01, Our Lady of the Angels Elementary School Fire, Chicago, IL -- 95
12. 1977 -- Dec 13, Fire, Providence College Women's Dormitory, Providence, RI -- 10

¹⁰²¹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹⁰²² Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.

Fires, Structural -- **Maritime (Docks subtype)** -- **Chronological**

1. 1900 -- June 30, North German Lloyd Line Fire, piers & ships, Hoboken, NJ --325-400
-- 9 *Bremen* (crew). Hoboken Historical Museum.
-- 0 *Kaiser Wilhelm der Grosse*. Hoboken Historical Museum.
-- 44 *Main*. Hoboken Historical Museum. CD-ROM: 1900 Hoboken Pier Fire.
-- 99 *Saale*. Eastlake, Russell, Sharpe. *World Disasters*. "Saale, New York." 2001, p. 30.
--173 "...on the piers." Hoboken Historical Museum.
2. 1941 -- Aug 18, Fire, NY & Cuba Mail Steam Ship Co. Piers, *Panuco*, Brooklyn, NY --34-35
3. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY¹⁰²³-- 10
4. 1960 -- Dec 19, Fire, *U.S.S. Constellation*, New York Naval Shipyard, NY -- 50

¹⁰²³ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

Fires - Nightclubs/Dance/Gambling Halls/Supper/Social Clubs, Cocktail Lounge - Chronological

1. 1867 -- Jun 18, fire, saloon, near Rock Island Railroad Depot, Chicago, IL --10-11
2. 1894 -- Dec 24, Fire, Chrisman Bros. Hall, Silver Lake, Lake County, OR -- 43
3. 1919 -- Nov 22, Stove Explosion/Fire/Crushing, Dance Hall/Store, Ville Platte LA¹⁰²⁴--25-28
4. 1929 -- Sep 20, Study Club Dance Hall Fire, Detroit, MI -- 22
5. 1940 -- Apr 23, Rhythm Night Club fire/suffocation/tramplng, Natchez, MS -- 209
6. 1942 -- Nov 28, Fire/tramplng/suffocation, Cocanut Grove Nightclub, Boston, MA¹⁰²⁵--498
7. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV¹⁰²⁶-- 15
8. 1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH¹⁰²⁷-- 22
9. 1956 -- Jan 29, MD Oyster Roast Fire, Arundel Park Hall, Brooklyn MD -- 11
10. 1965 -- Dec 11, Arson Fire, Seeley Club (Tavern), Chicago, IL¹⁰²⁸ -- 13
11. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY¹⁰²⁹ -- 12
12. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO¹⁰³⁰ -- 12
13. 1973 -- Jun 24, Arson Fire, UpStairs Cocktail Lounge (gay), New Orleans, LA¹⁰³¹ -- 32
14. 1974 -- June 30, Fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY -- 24
15. 1976 -- Oct 24, Arson Fire, Puerto Rican Social Club, Bronx, NY -- 25
16. 1977 -- May 28, Beverly Hills Supper Club Fire, Southgate, KY -- 165
17. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY¹⁰³² -- 87
18. 2003 -- Feb 20, Fire, Tramplng, The Station Nightclub, West Warwick, RI¹⁰³³ -- 100
19. 2016 -- Dec 02, Fire, rave party in warehouse, Fruitvale district, Oakland, CA¹⁰³⁴ -- 36

¹⁰²⁴ Cross-listed in Explosions and in Violence/Tramplng.

¹⁰²⁵ Cross-listed in Violence-Crushing, Tramplng, Suffocation.

¹⁰²⁶ Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.

¹⁰²⁷ Cross-listed in Explosions.

¹⁰²⁸ Cross-listed in Violence-Arson.

¹⁰²⁹ Cross-listed in Violence-Arson.

¹⁰³⁰ Cross-listed in Violence-Arson.

¹⁰³¹ Cross-listed in Violence-Arson.

¹⁰³² Cross-listed in Violence-Arson.

¹⁰³³ Cross-listed under Violence-Crushing, Tramplng, Suffocation.

¹⁰³⁴ Location was an artist work/illegal living warehouse. The occasion was a music and dance party.

Fires, Structural -- Residences/Houses -- Chronological

	1891 -- Apr 06, fire, three tenement/store houses, NY St., Rochester, Beaver Co., PA	--	9
	1902 -- Aug 24, residential house fire kills children, Portland, ME	--	5
1.	1905 -- Jan 03, entire Noweski family killed, fire, Morris Run, PA	--	10
	1936 -- Feb 18, Broyles home fire, overheated stove, South Hutchinson, KS	--	7
2.	1941 -- Oct 28, home fire, Montclair, NJ	--	12
	1944 -- Mar 06, children die in home fire, York Beach, ME	--	7
	1944 -- Dec 30, residential home fire, Columbus, IN	--	8
3.	1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI-11		
	1950 -- Mar 02, residential family home fire, Monson, ME	--	8
	1954 -- Jan 04, fire, residential home, 5 children die, Oglethorpe, GA	--	5
	1954 -- Jan 04, fire, home oil space heater explodes, Old Orchard Beach, ME	--	5
	1954 -- Jan 21, stove explodes, home burns, mother and 4 children die, Gordon, NE	--	5
	1954 -- Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV ¹⁰³⁵	--	9
	1954 -- Apr 03, explosion/fire, kerosene poured in home stove, Glouster, OH ¹⁰³⁶	--	6
	1954 -- Apr 03, fire, mother and six children die, farm house near Tuttle, ND	--	7
	1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL	--	7
	1954 -- Aug 23, home fire (children), wrong-size fuses/defective wiring, Waterville, ME	--	5
4.	1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR ¹⁰³⁷	--	13
	1955 -- Jan 31, fire (mother and children), home oil stove, Lakeview, GA	--	5
	1955 -- Feb 01, home fire, all children, Chuckatuck, VA	--	6
5.	1956 -- Mar 08, tar-papered Twyman home fire, wife/children/grand-children, Oxford, PA	--	12
	1957 -- Dec 02, home fire, overheated stove, expectant mother, 7 children, Westor, AR	--	8
6.	1958 -- Feb 17, duplex fire, including 11 children in two families, Atlanta, GA	--	12
7.	1958 -- Apr 05, home fire (coal gas fumes), Porter Township, near Jersey Shore, PA	--	10
	1959 -- Jan 05, fire, residential, coal-burning stove, Winstonville, Bolivar County, MS	--	6
8.	1959 -- Jan 08, home wood stove fire (15 children and woman), Boswell, OK	--	16
	1959 -- Jan 20, fire (exploding stove?), residence, children killed, Ashland, ME	--	6
	1959 -- Feb 15, residential home fire (grandmother and six children), South Bend, IN	--	7
	1959 -- Feb 15, home fire, thought to be from coal cooking stove, Pinson Fork, KY	--	5
	1959 -- Mar 13, dwelling fire (five children, two adults), Easton, ME	--	7
9.	1959 -- Mar 15, fire, farm house (10 children and farmer), Cross Hill, SC	--	11
	1959 -- Mar 16, fire, residence (father and five children), Superior, WI	--	6
	1959 -- Mar 29, fire, residence, children killed, Danielstown, Brunswick County, VA	--	7
	1959 -- Apr 25, fire, Waldrop residence, Hill City, near Calhoun, GA	--	6
	1959 -- Apr 28, fire, coal-burning stove explosion, Nayakik residence, Point Barrow, AK	--	8

¹⁰³⁵ Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.

¹⁰³⁶ Cross listed in Explosions.

¹⁰³⁷ Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.

Fires, Structural -- **Residences/Houses** -- **Chronological** (continued):

	1960 -- Mar 27, home fire kills widow and five children, Winthrop, ME	--	6
10.	1961 -- Mar 28, residential fire (lightning?), Alex Whitehead home, Dotsonville, TN ¹⁰³⁸	--	12
11.	1962 -- Jan 15, fire, Paladino home, Catholic Point community ~Center Ridge, AR	--	10
	1963 -- Jan 20, Home fire, thought related to coal stove, kills family, Calhoun, OK	--	8
12.	1963 -- Feb 21, farm/tenant home fire, near Luxora, AR	--	10
13.	1963 -- Feb 23, Home Fire (Paul Saville family--wife, 8 children), Morehouse, MO	--	10
	1963 -- Apr 23, Residential Fire, River Park Drive, Louisville, KY	--	7
	1963 -- Dec 16, Children die, Duplex home fire, space heater spilled oil, Portland, ME	--	6
14.	1963 -- Dec 25, Fire, portable home oil heater tipped over, Charleston, SC	--	12-13
15.	1964 -- Feb 22, House Fire (Moses James family, 9 children), near Society Hill, SC	--	11
	1964 -- Mar 03 Lightning hits residence starting fire, Forrest City, AR ¹⁰³⁹	--	7
16.	1964 -- Sep 12, Farm House Fire (Bowdish/McConnell children), Kasota, MN	--	10
	1966 -- Dec 28, family farmhouse fire, Panton, VT	--	6
	1967 -- July 04, Fire, Shanty Family Residence, Oxford, ME	--	8
17.	1968 -- Feb 11, Fire, Dwelling, Franklin, PA	--	11
18.	1968 -- July 18, Fire, Dwelling (9 children, 2 adults), St. Albans sec., Queens, NY	--	11
19.	1969 -- Apr 05, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR	--	10
20.	1969 -- July 10, Fire, Farm Dwelling (laundry room), Posen, Presque Isle County, MI	--	10
21.	1969 -- June 08, Arson Fire (Patricide), Bailey Family Home, Parkersburg, WV ¹⁰⁴⁰	--	12
	1972 -- Jan 06, home fire from burners on stove, unattended children, Portland, OR	--	all 7
22.	1981 -- Jan 11, Single Family Home Fire, East St. Louis, IL	--	11
	1984 -- Feb 04, home fire, boy playing with lighter, victims 1-8 years old, Tacoma WA	--	9
23.	1987 -- Sep 30, Residence Fire, Milwaukee, WI	--	12
24.	1989 -- Jan 01, Rural House Fire, Remer, MN	--	10
	1989 -- July 4, Home Fire, children, locked in house, River Park Drive, Louisville, KY	--	6
	1992 -- Nov 08, Fire (fireplace ashes in box), Home, South Jordan (~Salt Lake), UT	--	5
25.	1998 -- Mar 22, Fire, Mt. Cabin, Spring Break Youth, Madisonburg Mt. ~Madisonburg, PA	--	11
	1999 -- Jan 01, fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN	--	6
26.	2001 -- Jan 03, single family dwelling fire, Oak Orchard, Sussex Ct., DE	--	11
	2005 -- May 21, arson fire, house during child's birthday sleepover, Cleveland, OH ¹⁰⁴¹	--	9
	2006 -- Mar 11, fire, residential, wood-burning stove probable cause, Shoals, IN	--	6
	2006 -- Mar 11, two-story home fire, Evensville, Rhea County, TN	--	9
	2006 -- Apr 07, residential fire, Propane lantern ignites mtl. in mobile home, Jacksonville, FL	--	6
	2006 -- July 20, fire (over-heated refrigerator), residential home, Chickasha, OK	--	7
27.	2007 -- Feb 06, single-family house fire, Bardstown, KY	--	10

¹⁰³⁸ Cross-listed in Lightning.

¹⁰³⁹ Cross-listed in Lightning.

¹⁰⁴⁰ Cross-listed in Violence-Arson.

¹⁰⁴¹ Cross-listed in Violence-Arson.

28. 2008 -- Apr 03, residential fire, Brockway, PA -- 10

Fires (Structural) -- Residential Home Fires -- Chronological, continued:

2012 -- Mar 24, residential home fire, Charleston, WV -- 9
2013 -- Mar 09, home fire (unknown cause), man, woman, 5 children, Gray, KY -- 7
2014 -- Jan 30, home fire linked to electric heater, mother, children, Depoy, KY -- 9
2014 -- Feb 22, house fire (parents and four children), Indianapolis, IN -- 6
2014 -- Aug 29, mobile home fire (cause undetermined), just outside Garland, NC -- 6

Fires Tenements, Apartments, Rowhouses, Rooming Houses, Barracks -- Chronological

1. 1860 -- Feb 02, tenement building fire, 142 Elm Street, East Manhattan, NY, NY --10-20
2. 1860 -- Mar 28, fire, 40th Street Tenement House, NYC, NY -- 10

3. 1888 -- Aug 03, fire, tenement house, 197 Bowery, NY, NY --17-20

4. 1890 -- Feb 02, shop and tenement fire, North Street, Boston, MA --12-14

5. 1900 -- Mar 12, arson fire (charged), Italian tenement building, Newark, NJ¹⁰⁴² -- 16
6. 1900 -- June 15, tenement building fire, 34 Jackson Street, NYC, NY -- 11
7. 1900 -- July 03, arson fire (alleged), tenement, Adams and First Sts., Hoboken, NJ¹⁰⁴³--13-14
8. 1902 -- Jan 29, Italian tenement fire, Fleet Street, North End, Boston, MA --10-11
9. 1903 -- Nov 01, "House of All Nations" tenement fire, Eleventh Ave., NYC, NY -- 25
10. 1904 -- Sep 04, fire, 5-story tenement, Attorney Street, New York City, NY -- 15
11. 1904 -- Nov 20, fire, tenement house, Troutman Street, Brooklyn, NY -- 12
12. 1905 -- Mar 14, fire, tenement, Allen Street, New York City, NY -- 20
13. 1907 -- July 28, fire, tenement house, 222 Chrystie Street, East Side, NYC, NY --19-20
14. 1909 -- Mar 03, fire, tenement building, 374 Seventh Avenue, NYC, NY -- 10

15. 1917 -- Feb 02, gas explosion and fire, tenement buildings, Chicago, IL¹⁰⁴⁴ -- 14

16. 1921 -- Nov 14, fire, tenement house, 108 West 17th Street, NYC, NY --10-12
17. 1922 -- Oct 22, fire, apartment house, Lexington Avenue, NY, NY -- 15
18. 1923 -- Feb 23, fire, garage and apartments, Hatley Building, Kansas City, KS -- 13
19. 1923 -- Apr 27, fire, tenement building, East 109th Street, NYC, NY -- 12
20. 1923 -- Jun 21, fire, tenement building, Federal Street, Chicago, IL -- 10
21. 1924 -- Feb 19, fire, tenement house, Madison Street, New York, NY -- 14

22. 1932 -- June 07, explosion/arson/mass murder, Ellington Apartments, Cleveland, OH¹⁰⁴⁵-- 13
23. 1935 -- Sep 29, arson fire, tenement, Chicago, IL¹⁰⁴⁶ -- 10
24. 1936 -- Feb 03, fire, dormitory, Parker Dam construction site, Colorado River, CA -- 10

25. 1940 -- Jan 03, fire, Marlborough (apartment) Hotel, Minneapolis, MN -- 19
26. 1942 -- Jan 20, fire, Melvin Hall Apartments, Lynn, MA -- 13
27. 1945 -- Feb 17, fire from welding in candy co., Maefair Apartments, Tacoma, WA -- 19
28. 1946 -- Jan 27, fire, Winona Apartments and rooming house, Kansas City, MO --10-11
29. 1946 -- Dec 12, fire, vacant Knickerbocker Ice Plant wall falls onto tenement, NYC -- 37
30. 1948 -- Feb 13, fire, apartment building, Hoage family, Cedar Street, Utica, NY -- 11

31. 1953 -- Sep 07, fire, Spector Realty Co. tenement building, State St., Chicago, IL -- 18

¹⁰⁴² Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁴³ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁴⁴ Cross listed in Explosions.

¹⁰⁴⁵ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁴⁶ Cross-listed in Violence-Arson, Manslaughter/Homicide.

32. 1955 -- Feb 01, oil stove fire (11 children), tenement, Schuyler St., Amsterdam, NY -- 12
 1956 -- Dec 23, Fire, Downtown Apartment Bldg., mother, four children, Meriden, CT-- 5
 33. 1957 -- Nov 16, Fire, Tenement (ex-Moonglow Hotel), Allen Ave., Niagara falls, NY-- 18
 34. 1959 -- Feb 14, Fire (from gas explosion), Apartment Building, Ashland, KY -- 11

FIRES, structural -- Tenements, Apartments, Rowhouses, Barracks -- Chronological (Cont.)

35. 1964 -- Nov 04, fire, Dorchester Manor Apartment Hotel, Chicago, IL -- 11
 36. 1966 -- Feb 05-06, kerosene heater explodes, fire, rooming house, Miami, FL -- 10
 1966 -- Nov 6, rowhouse fire, West Franklin Street, West Baltimore, MD -- 8
 1967 -- Jan 14, rowhouse (cigarette) fire, Philadelphia, PA -- 9
 37. 1968 -- Jan 09, fire, paper box factory and tenement/apartment house, Brooklyn, NY -- 13
 38. 1968 -- Aug 31, In-Crowd Lounge/apartment fire (possibly Arson), Gary, IN -- 13
 39. 1969 -- Apr 06, fire, wood-frame tenement/apartment house, Bridgeport, CT -- 11
 40. 1969 -- Jun 03, fire, apartment house, Kansas City, MO -- 12
 41. 1969 -- Dec 18, tenement fire/faulty Christmas tree lights, Bushwick/Brooklyn NY -- 9-10

 42. 1970 -- Aug 05, pensioner rooming house fire, E. Hennepin, Minneapolis, MN --11-12
 43. 1971 -- Apr 25, Seventh Avenue apartment building fire, Seattle, WA -- 12
 44. 1972 -- Nov 30, Baptist Towers Home for Senior Citizens (11 floors) fire, Atlanta GA-- 10
 45. 1973 -- July 11, apartment building/rooming house fire, Main St., Worcester, MA -- 10
 46. 1973 -- Sep 29, arson fire, tenement, Eleventh & Willow, Hoboken, NJ¹⁰⁴⁷ -- 11
 47. 1973 -- Nov 15, fire, Stratford Apartments building, Los Angeles, CA -- 25
 48. 1974 -- Jan 24, Vogel Apartment House fire (7 children, 3 adults), Liberty, NY -- 10
 1975 -- Jan 18, rowhouse fire (cigarette), 7 children/1 adult, Walbrook Ave. Baltimore, MD-- 8
 49. 1975 -- Dec 12, condemned Gartland Apartments arson fire, San Francisco, CA -- 14
 50. 1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE¹⁰⁴⁸ -- 20
 51. 1976 -- Feb 04, tenement house fire (7 children, 3 adults), Manhattan, NYC, NY -- 10
 52. 1976 -- Dec 20, Witmer Street apartment house juvenile arson fire, Los Angeles, CA -- 10
 53. 1976 -- Dec 24, fire, birthday party (10 children), apartment house, Chicago, IL -- 12
 54. 1977 -- Dec 10, Wenonah Park apt. bldg. fire/light fixture short-circuit, Bay City, MI -- 10
 55. 1978 -- Dec 07, tenement house fire (7 children/5 adults), Central Ward, Newark, NJ -- 12
 56. 1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ¹⁰⁴⁹ -- 21
 57. 1979 -- Oct 19, typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan -- 13

 58. 1980 -- Dec 18, fire, Avalon Apartment Building, Salt Lake City, UT -- 12
 59. 1981 -- Oct 24, arson fire, apartment bldg., 12th and Washington, Hoboken, NJ¹⁰⁵⁰ -- 11
 60. 1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ¹⁰⁵¹ -- 13
 61. 1982 -- May 14, row house fire, Baltimore, MD -- 10
 62. 1982 -- July 05, arson fire, apartment building, Waterbury, CT¹⁰⁵² -- 14

¹⁰⁴⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁴⁸ Though originally a hotel, it had been modified to provide apartments. Cross-listed in Explosions.

¹⁰⁴⁹ Cross-listed in Violence-Arson, Manslaughter, Homicide.

¹⁰⁵⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁵¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁵² Cross-listed in Violence-Arson.

63. 1982 -- Sep 04, arson fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA¹⁰⁵³ --24-25
 1983 -- Dec 09, fire (careless smoking) row house (5 children), west Baltimore, MD -- 8
 64. 1984 -- Feb 08, family row-house fire, Philadelphia (Kensington section), PA -- 10
 65. 1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA¹⁰⁵⁴ -- 15
 66. 1984 -- Oct 18, arson fire, Alexander Hamilton residential hotel, Paterson, NJ¹⁰⁵⁵ -- 15
 67. 1985 -- May 13, Philadelphia Police bomb MOVE, rowhouse fire, Philadelphia, PA¹⁰⁵⁶-- 11

Fire, structural -- Tenements, Apartments, Rowhouses, Barracks -- Chronological (Cont.)

68. 1991 -- Feb 16, fire (extension cord related), apartment building, New Britain, CT -- 10
 69. 1991 -- Dec 09, West Side Apartment Building fire, Humboldt Park, Chicago, IL -- 10
 1992 -- Feb 13, fire (space heaters or smoking) row house (5 children), Camden NJ -- 8
 1992 -- Dec 05, fire (apparently smoking in bed), row house (8 children), Chester, PA-- 8
 1992 -- Dec 17, fire, four-family apartment building, Auburn, WA -- 5
 1993 -- Feb 28, fire, apartment building (8 children, 1 adult), Ludington, MI -- 9
 70. 1993 -- May 03, arson fire, apt./tenement bldg., Burlington Ave., Los Angeles, CA¹⁰⁵⁷-- 10
 1994 -- Jan 09, fire (clothing on heating grate), row house (6 children), Baltimore, MD-- 7
 1994 -- Feb 26, fire, from candle; rowhouse; power turned off, west Baltimore, MD -- 9

 71. 2004 -- Sep 12, arson fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
 72. 2005 -- Mar 10, townhouse mattress fire, Marrero, LA -- 11
 2007 -- Jan 13, fire, Emmons Jr. Apartment Building, Huntington, WV -- 9
 73. 2007 -- Mar 07, rowhouse fire, Bronx, NY -- 10
 2007 -- May 22, fire (smoking materials), row house, east Baltimore, MD -- 8
 2010 -- Dec 14, fire, two-story brick row house home, east Baltimore, MD -- 6
 2014 -- Nov 01, rooming house fire (landlord charged with manslaughter), Portland, ME-- 6
 74. 2017 -- Dec 28, fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY -- 13

 75. 2022 -- Jan 05, rowhouse/apt. fire (8 children/4 adults), Fairmont sec., Philadelphia, PA-- 12
 76. 2022 -- Jan 9, Space-heater related fire (9 adults/8 children), apartment bldg., Bronx, NY-- 17

¹⁰⁵³ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁵⁴ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁵⁵ Cross-listed in Violence-Arson. (originally a hotel, but had become a low-rent apartment building.)

¹⁰⁵⁶ Cross-listed in Violence-Governmental Use of Force.

¹⁰⁵⁷ Cross-listed in Violence-Arson.

Fire, structural -- **Terrorism-Related subset** -- **Chronological**

1. 1910 -- Oct 1, Los Angeles Trade Unionist dynamiting and fire, *LA Times*, CA -- 21
2. 1995 -- Apr 19, Terrorism, Alfred P. Murrah Federal bldg. Bombing, Oklahoma City¹⁰⁵⁸-168
3. 2001 -- Sep 11, World Trade Center, American 11 and United 175, NY --2,830
4. 2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA -- 189

¹⁰⁵⁸ Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).

Fire, structural -- **Theaters/Opera Houses** subset -- **Chronological**

1. 1811 -- Dec 26, theatre fire, Richmond, VA --61-75
2. 1867 -- Jun 19, Fox's American Theater Fire, Philadelphia, PA --10-15
3. 1876 -- Dec 5, Conway Theater Fire, Trampling, Suffocation, Brooklyn, NY¹⁰⁵⁹ --284-300
4. 1887 -- July 9, Alcazar Theater Fire and town Conflagration, Hurley, WI --10-11
5. 1892 -- Apr 27, Fire, Gilmore's Central Theater, Philadelphia, PA -- 14
6. 1896 -- Sep 05, Fire, Yore's Opera House, Benton Harbor, MI -- 12
7. 1901 -- Nov 06, Fire, Klondyke Theater, Harley, WI -- 10
8. 1903 -- Dec 30, Fire, suffocation, trampling, Iroquois Theater, Chicago, IL¹⁰⁶⁰ -- 602
9. 1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA¹⁰⁶¹ -- 170
10. 1916 -- May 10, Explosion, Fire, Trampling, Theater, Wallaceton, VA --13-26
1921 -- Nov 27, Fire, Rialto Theatre, New Haven, CT -- 9
11. 1941 -- Mar 10, Strand Theater Fire & Roof Collapse, Brockton, MA -- 13

¹⁰⁵⁹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹⁰⁶⁰ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹⁰⁶¹ Cross-listed in Violence-Crushing, Trampling, Suffocation.

Fire, structural**Other****Chronological**

1. 1892 -- June 05, dam failure, oil fire, Titusville, Oil City, PA¹⁰⁶² -- 350
2. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH¹⁰⁶³ --12-13
3. 1936 -- Apr 06, Tornado and Fire, Cooper Pants Factory, Gainesville, GA¹⁰⁶⁴ --40-70
4. 1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA¹⁰⁶⁵ -- ~20
5. 1944 -- July 06, Barnum & Ringling Broth. Circus Fire, Stampede, Hartford, CT --168-169
6. 1965 -- Aug 09, Titan II ICBM Silo Fire leading to Suffocation, near Searcy, AR -- 53
7. 1965 -- Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA¹⁰⁶⁶-- 21
8. 1968 -- Apr 05, Gas and Gunpowder Explosion, Fire, Richmond, IN -- 41
9. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM¹⁰⁶⁷ -- 12

¹⁰⁶² Cross-listed under Dam Failures

¹⁰⁶³ Cross listed in Mines Tunnels and Quarries.

¹⁰⁶⁴ Cross-listed in Tornadoes. There were ~203 tornado deaths, including those from this fire. Most probably some of these deaths can be attributed to the destruction of the building. Many, mostly girls and women, had sought safety in the basement, only to be trapped when the building was destroyed and caught fire.

¹⁰⁶⁵ The number twenty is an approximation in that it is not known how many Frye employees were killed directly by the crash and how many died in the resulting large fire. There were 32-34 fatalities in all (though one source has 41), of which 10 were onboard the XB-29. Cross-listed in Aviation.

¹⁰⁶⁶ Cross-listed in Explosions. Seven died the night of the explosion and fire. The others died from burn injuries in hospitals over next several weeks.

¹⁰⁶⁷ Cross-listed in Structural Failures and in Explosions. Technically perhaps not a "structural" fire.

FIRE, structural -- Arson subset¹⁰⁶⁸ -- By Mortality

1.	1986 -- Dec 31, arson fire Dupont Plaza Hotel, San Juan, Puerto Rico	-- 97
2.	1990 -- Mar 25, arson fire, Happy Land Social Club, Bronx, NY	-- 87
3.	1977 -- June 26, arson fire, Maury County Jail, Columbia, TN	-- 42
4.	1973 -- June 24, arson fire, gay UpStairs Cocktail Lounge, New Orleans, LA	-- 32
5.	1970 -- Dec 20, arson fire, Pioneer International Hotel, Tucson, AZ	-- 28
6.	1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ ¹⁰⁶⁹	-- 25
7.	1976 -- Oct 24, arson fire, Puerto Rican Social Club, Bronx, NY	-- 25
8.	1982 -- Sep 04, arson fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA ¹⁰⁷⁰	--24-25
9.	1974 -- June 30, fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY	-- 24
10.	1976 -- Jan 30, arson fire, Wincrest Nursing Home, Chicago, IL	-- 24
11.	1944 -- Mar 28, arson fire, New Amsterdam Hotel, San Francisco, CA	-- 22
12.	1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ	-- 21
13.	1885 -- Feb 12, arson fire, Department for the Insane, Blockley Almshouse, Philly PA	--19-20
14.	1970 -- Mar 20, arson fire, Ozark Hotel ("flophouse"), Seattle, WA	-- 20
15.	1900 -- Mar 12, arson fire (charged), Italian tenement building, Newark, NJ	-- 16
16.	1947 -- Dec 25, gas thrown on stove/explos., Washoe tribe gambling house, Dresslerville, NV	--14-15
17.	1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA	-- 15
18.	1984 -- Oct 18, arson fire, Alexander Hamilton residential Hotel, Paterson, NJ ¹⁰⁷¹	-- 15
19.	1900 -- July 3, arson fire (alleged), tenement, Adams and First Sts., Hoboken, NJ	--13-14
20.	1966 -- Sep 12, arson fire, Lane Hotel, Anchorage, AK	-- 14
21.	1975 -- Dec 12, condemned Gartland Apartments arson fire, San Francisco, CA	-- 14
22.	1932 -- Jun 07, explosion/arson/mass murder, Ellington Apartments, Cleveland, OH	-- 13
23.	1965 -- Dec 11, arson fire/mass murder, Seeley Club (Tavern), Chicago, IL	-- 13
24.	1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14 th Street, Hoboken, NJ	-- 13
25.	1965 -- Dec 20, arson fire, Jewish Community Center, Yonkers, NY	-- 12
26.	1968 -- Feb 16, arson fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO	-- 12
27.	1969 -- June 08, arson fire (patricide), Bailey family home, Parkersburg, WV	-- 12
28.	1975 -- July 07, Pomona Hotel arson fire, skid row, Portland, OR ¹⁰⁷²	-- 12
29.	1978 -- Nov 05, arson fire, Allen Motor Inn, Honesdale, Wayne County, PA	-- 12
30.	2006 -- Oct 31, arson fire, Mizpah Hotel, North Lake St., Reno, NV	-- 12
31.	1854 -- Apr 25, arson fire, Jennings Building (all firemen), Broadway, NY, NY	-- 11
32.	1973 -- Sep 29, arson fire, tenement, Eleventh & Willow, Hoboken, NJ	-- 11
33.	1981 -- Oct 24, arson fire, apartment building, 12 th and Washington, Hoboken, NJ	-- 11
34.	1935 -- Sep 29, arson fire, tenement, Chicago, IL	-- 10
35.	1973 -- Jan 29, arson fire, Street's Sheltered Care Rest Home, Pleasantville, NJ	-- 10
36.	1976 -- Dec 20, Witmer Street apartment house juvenile arson fire, Los Angeles, CA	-- 10
37.	1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY	-- 10

¹⁰⁶⁸ All arson fires are cross-listed in Violence - Arson, Manslaughter/Homicide subset.

¹⁰⁶⁹ Ex-mental patient and arsonist arrested and "confessed," but was not indicted. Cross-listed in Violence-Arson.

¹⁰⁷⁰ Cross-listed in Violence-Bombing, Violence-Labor and Violence-Arson.

¹⁰⁷¹ originally a hotel, but had become a low-rent apartment building.

¹⁰⁷² Cross-listed in Violence-Arson, Manslaughter/Homicide.

- 38. 1979 -- July 31, arson fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH -- 10
- 39. 1980 -- Oct 28, apartment building arson fire kills children, South Side Chicago, IL -- 10
- 40. 1993 -- May 3, arson fire, apt./tenement building, Burlington Ave., Los Angeles, CA -- 10
- 41. 2004 -- Sep 12, arson fire, Lincoln Park West Apartments, Prairie Township, OH -- 10

Fire, structural -- Arson -- By Mortality (fewer than 10 deaths)

- 1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC -- 9
- 2005 -- May 21, arson fire, house during child's birthday sleepover, Cleveland, OH -- 9
- 1998 -- Apr 27, arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA¹⁰⁷³-- 8
- 1992 -- July 7, arson fire set by mother kills six of her children, Baltimore, MD -- 6
- 1993 -- Feb 27, arson fire & mass murder, apartment building, Providence, RI -- 6

¹⁰⁷³ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

Fires, structural **Churches** subtype **By Mortality**

1. 1875 -- May 27, Holyoke Catholic Church Fire, Holyoke, MA -- 75
2. 1964 -- May 23, Samoan Fire-Dance Fire, All Hallows Parish Hall, San Fran., CA -- 17

Fires, structural**Commercial, Retail (subtype)****By Mortality**

1.	1967 -- Feb 07, Dale's Penthouse Restaurant fire, Montgomery, AL	--	25
2.	1972 -- Sep 24, plane crash into Farrell's Ice Cream Parlor, fire, Sacramento, CA ¹⁰⁷⁴	--	22
3.	1893 -- July 10, fire, Columbia Exposition Cold Storage warehouse, Chicago, IL	--	17-19
4.	1906 -- Oct 25, fire, Chamber of Commerce Building, Kansas City, KS	--	15
5.	1890 -- Mar 17, fire/bldg. collapse on firemen, Bowen-Merrill Co., Indianapolis, IN	--	13
6.	1857 -- Apr 14, fire, warehouse wall/floor collapse, Charles Street, Baltimore, MD	--	12
7.	1882 -- Jan 31, fire, World Building (com.), Park Row and Beekman St., NYC, NY	--	12
8.	1891 -- Dec 09, fires, Bamberger & Candy/Fireworks bldgs., Main St., Louisville, KY	--	12
9.	1910 -- Mar 25, fire, L. Fish & Co. Furniture Store, Wabash Ave., Chicago, IL	--	12
10.	1919 -- Jan 07, explosion & fire, Film Exchange, Penn Ave., Pittsburg, PA ¹⁰⁷⁵	--	10-12
11.	1957 -- Dec 05, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA ¹⁰⁷⁶	--	12
12.	1966 -- Oct 17, Fire, floor collapse, firefighters killed, Mercantile Building, NYC	--	12
13.	1976 -- Dec 22, Fields department store fire (5 stories), Fulton Street, Brooklyn, NY	--	12
14.	1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY	--	11
15.	1909 -- Oct 30, fire, business district, St. Johnsbury, VT	--	10-11
16.	1924 -- Feb 15, fire, Lawrence Building, Main Street, Montpelier VT	--	11
17.	1947 -- July 29, butane gas explosion/fire, Pauline's Beauty School, Harrisonburg, VA ¹⁰⁷⁷	--	11
18.	1969 -- Feb 25, fire, Rosen Architectural Office, Fifth Ave., Manhattan, NYC, NY	--	11
19.	1865 -- June 09, Ordnance Building explosion/fire, train sparks, Chattanooga, TN ¹⁰⁷⁸	--	~10
20.	1937 -- Feb 05, flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY ¹⁰⁷⁹	--	10
21.	1953 -- Jan 27, gas line leak explosion/fire, Jones Electric Co., other stores, Aiken, SC ¹⁰⁸⁰	--	10
22.	1978 -- Nov 05, Younkers Brothers Dept. store fire (employees), West Des Moines, IA	--	10

Fewer than ten lives lost -- Some Selected Examples:

2007 --	June 18, Fire, Sofa Super (furniture) Store, Firefighters killed, Charleston, SC	--	9
1949 --	Mar 04, Fire, Woolworth Dept. Store, firefighters killed, Charleston, WV	--	7

¹⁰⁷⁴ Cross-listed in Aviation.

¹⁰⁷⁵ Cross-listed in Explosions.

¹⁰⁷⁶ Cross-listed in Explosions -- there were fatalities from the explosion and from the resulting fire.

¹⁰⁷⁷ Cross-listed in Explosions -- most, if not all, deaths were caused by the explosion and building destruction.

¹⁰⁷⁸ Cross-listed in Explosions.

¹⁰⁷⁹ Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.

¹⁰⁸⁰ Most of the deaths were thought to have been the direct result of the explosion and not the resulting fire.

Fire, structural**Conflagration, Urban (subset)****By Mortality**

1.	1906 -- Apr 18, earthquake, fire, landslides, San Francisco and vicinity, CA ¹⁰⁸¹	--3,000-5,000
2.	1871 -- Oct 08-10, conflagration, The Great Chicago Fire, IL	--250-300
3.	1865 -- Feb 18, gunpowder explosion/fire, Northeastern RR Depot, Charleston SC ¹⁰⁸²	--150-200
4.	1850 -- July 09, fire/conflagration, Old City Philadelphia, PA	-- 44
5.	1872 -- Nov 09-10, conflagration ("Great Boston Fire of 1872"), Boston, MA	--25-41
6.	1845 -- July 19, fire and explosion, New, Broad, Beaver, Broadway streets, NYC, NY ¹⁰⁸³	--30
7.	1851 -- May 03-04, conflagration, "Fifth Great Fire," San Francisco, CA	---14--30
8.	1857 -- Oct 19, fire, brothel, stores, warehouses, S. Water Street, Chicago, IL	-- 27
9.	1849 -- May 17, fire, 27 boats, much of wharf and business district, St. Louis, MO	-- 3-20
10.	1865 -- Feb 08, conflagration fire, Philadelphia, PA	-- 20
11.	1908 -- Apr 12, The Great Chelsea Fire/Conflagration of 1908, Chelsea, MA	--15-19
12.	1871 -- Sep 15, restaurant fire, conflagration, powder explosion, Pioche, NV	-- 13
13.	1892 -- Oct 28, conflagration, Milwaukee, WI	-- 10
14.	1940 -- July 30, explosions/conflagration, R. M. Hollingshead Plant, Camden, NJ ¹⁰⁸⁴	-- 10
	1901 -- May 03, the Great Jacksonville Fire (conflagration), Jacksonville, FL	-- <u>≥</u> 7
	1909 -- Apr 11, urban conflagration, Lenox, MA	-- 6

¹⁰⁸¹ Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

¹⁰⁸² Majority of deaths, if not the great majority, were from the explosion. However, a very large fire resulted which destroyed a roughly four-block area. Deaths from fire were reported, though without noting the number.

¹⁰⁸³ Cross-listed in Explosions.

¹⁰⁸⁴ Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

Fire, structural - Hotels, Motels, Inns, Boarding Houses, Country Clubs (Temp. Lodging)
By Mortality

1.	1946 -- Dec 07, Hotel Winecoff fire, Atlanta, GA	-- 119
2.	1986 -- Dec 31, Dupont Plaza Hotel arson fire, San Juan, Puerto Rico ¹⁰⁸⁵	-- 97
3.	1883 -- Jan 10, Newhall House (Hotel) fire (suspected arson), Milwaukee, WI	--71--90
4.	1980 -- Nov 21, MGM Grand Hotel fire, Las Vegas, NV	-- 85
5.	1946 -- Jun 05, LaSalle Hotel fire, Chicago, IL	-- 61
6.	1943 -- Sep 07, Gulf Hotel (and inexpensive rooming house) fire, Houston, TX	-- 55
7.	1899 -- Mar 17, Windsor Hotel fire, Fifth Avenue, New York, NY	-- 45
8.	1914 -- Mar 08, fire, wall fall (17 th) Missouri Athletic Club (Lodging), St. Louis, MO ¹⁰⁸⁶	--37
9.	1903 -- Nov 21, fire, railroad workmen "shanty," near Lilly (~Johnstown), PA	--31-35
10.	1938 -- May 16, Terminal Hotel fire, Atlanta, GA	-- 35
11.	1934 -- Dec 11, Kerns Hotel fire, Grand Avenue, Lansing, MI	-- 34
12.	1858 -- Feb 20, Pacific Hotel fire, St. Louis, MO	--21-30
13.	1892 -- Feb 07, Hotel Royal fire, Fortieth Street & Sixth Avenue, NYC, NY	--28-30
14.	1955 -- Feb 12, Barton Hotel fire, sub-zero temp., "skid row," W Madison, Chicago, IL	-- 29
15.	1970 -- Dec 20, Pioneer International Hotel arson fire, Tucson, AZ ¹⁰⁸⁷	-- 29
16.	1913 -- Dec 02, Arcadia Boarding House ("Hotel"/flop house) fire, Boston, MA	-- 28
17.	1980 -- Dec 04, fire, Conference Ctr. at Stouffer's Inn (possibly arson), ¹⁰⁸⁸ Harrison, NY	-- 26
18.	1963 -- Nov 18, Surfside Hotel (elderly home) fire (arson?), Atlantic City, NJ ¹⁰⁸⁹	-- 25
19.	1982 -- Sep 04, Dorothy Mae Apartments/Hotel arson fire, Los Angeles, CA ¹⁰⁹⁰	--24-25
20.	1886 -- Dec 28, fire, steamer/boarding house <i>Bradish Johnson</i> , Jackson, AL ¹⁰⁹¹	-- ~24
21.	1872 -- Dec 10, Fifth Avenue Hotel fire, New York, NY	-- 22
22.	1934 -- Mar 24, Federal Transient Bureau Lodging fire, Lynchburg, VA	-- 22
23.	1944 -- Mar 28, New Amsterdam Hotel arson fire, San Francisco, CA ¹⁰⁹²	-- 22
24.	1963 -- Dec 29, Hotel Roosevelt fire, Jacksonville, FL	-- 22
25.	1877 -- Apr 11, Southern Hotel fire, St. Louis, MO	--16-21
26.	1902 -- Feb 22, Park Avenue Hotel fire, New York City, NY	-- 20
27.	1913 -- Feb 28, Dewey Hotel fire and possible gas explosion, Omaha, NE	-- 5-20
28.	1961 -- Jan 06, Thomas Hotel fire, San Francisco, CA	-- 20
29.	1970 -- Mar 20, Ozark Hotel ("flophouse"), arson fire, Seattle, WA ¹⁰⁹³	-- 20
30.	1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explosion/fire, Fremont, NE ¹⁰⁹⁴	-- 20
31.	1978 -- Jan 28, fire, Coates House Hotel (many low-income elderly), Kansas City, MO	-- 20
32.	1993 -- Mar 16, Paxton Hotel fire, Chicago, IL	-- 20

¹⁰⁸⁵ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁸⁶ Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.

¹⁰⁸⁷ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁸⁸ A waiter was charged with arson and 26 counts of murder and found guilty by jury; the presiding judge, though, overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

¹⁰⁸⁹ Ex-mental patient and arsonist arrested and "confessed," but was not indicted.

¹⁰⁹⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁹¹ Cross-listed in Maritime.

¹⁰⁹² Cross-listed in Violence subset Arson.

¹⁰⁹³ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹⁰⁹⁴ Cross-listed in Explosions.

33. 1940 -- Jan 03, Marlborough (apartments) Hotel fire, Minneapolis, MN -- 19
 34. 1943 -- Dec 24, Fire, Standard Hotel, West 42nd Street between 9th and 10th, NYC, NY-- 19
 35. 1946 -- Jun 09, Canfield Hotel Fire, Dubuque, IA -- 19
 36. 1970 -- Sep 13, Ponet Square Hotel Fire, Los Angeles, CA -- 19
 37. 1981 -- March 14, Royal Beach (Residential) Hotel Fire, Chicago, IL -- 19

Fire, structural -- Hotels, Motels, Inns, Boarding Houses, Country Clubs -- Mortality

38. 1881 -- Dec 10, Boarding House lamp fire, Rock Cut, near Pittsburgh, PA --16-17
 39. 1945 -- Jan 31, Lacoste Babies' Boarding Home & Nursery fire, Auburn, ME¹⁰⁹⁵ -- 17
 40. 1895 -- Dec 31, Delavan House (hotel), fire, Albany NY -- 16
 41. 1936 -- Feb 12, Victoria Mansion Hotel fire, Lexington & Seventh, Lakewood, NJ -- 16
 42. 1977 -- Jan 28, Stratford Hotel fire (early a.m., below zero), Breckenridge, MN -- 16
 43. 1887 -- Mar 18, Richmond Hotel (Young Men's Assn.), fire, Buffalo, NY -- 15
 44. 1883 -- Apr 07, Ende Hotel structural failure and fire, Greenville, TX¹⁰⁹⁶ --13-15
 45. 1984 -- July 4, Elliott Chambers Rooming Home arson fire, Beverly, MA¹⁰⁹⁷ -- 15
 46. 1984 -- Oct 18, Alexander Hamilton residential hotel arson fire, Paterson, NJ¹⁰⁹⁸ -- 15
 47. 1902 -- Dec 04, Lincoln Hotel fire, Madison Street, Chicago, IL -- 14
 48. 1920 -- Sep 06, Houston Hotel fire, Klamath falls, OR --10-14
 49. 1926 -- July 14, Twilight Inn fire, Haines falls, NY -- 14
 50. 1945 -- Jan 16, General Clark Hotel/Boarding House fire, N. Clark St., Chicago, IL -- 14
 51. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK¹⁰⁹⁹ -- 14
 52. 1921 -- Jan 30, Colonial Hotel fire (cigarette), Newark Street, Hoboken, NJ -- 13
 53. 1926 -- Jan 23, Lafayette Hotel fire,, North Seventh Street, Allentown, PA -- 13
 54. 1941 -- Feb 07, Salvation Army Homeless Shelter/Lodging fire, Akard St., Dallas, TX-- 13
 55. 1982 -- Apr 30, Pinter Hotel (residential) arson fire,, 14th Street, Hoboken, NJ¹¹⁰⁰ -- 13
 56. 1870 -- Dec 25, Spotswood Hotel fire, Richmond, VA -- 9-12
 57. 1887 -- Mar 24, Colby Iron Mine Boarding House fire, Bessemer, MI -- 12
 58. 1908 -- May 03, Aveline Hotel fire, Fort Wayne, IN -- 12
 59. 1922 -- Feb 07, Lexington Hotel fire, Richmond, VA -- 12
 60. 1926 -- Feb 22, Schindler's Prairie House (hotel) fire, Hurleyville, NY --11-12
 61. 1945 -- May 07, Victory House (war workers lodging) fire, Mobile, AL -- 12
 62. 1972 -- Jan 16, fire, Pennsylvania House Hotel (residential/transient), Tyrone, PA -- 12
 63. 1974 -- Aug 25, Washington House Hotel fire, Berkeley Springs, WV -- 12
 64. 1975 -- July 07, Pomona Hotel arson fire, skid row, Portland, OR¹¹⁰¹ -- 12
 65. 1978 -- Nov 05, Allen Motor Inn fire (arson), Honesdale, Wayne County, PA¹¹⁰² -- 12
 66. 1982 -- Mar 07, Westchase Hilton Hotel fire, Houston, TX -- 12
 67. 2006 -- Oct 31, Mizpah Hotel fire (arson), North Lake St., Reno, NV -- 12
 68. 1883 -- Mar 10, boarding house fire, Brownsville, ND -- 11

¹⁰⁹⁵ This was a boarding home for babies and children up to five. Cross listed in Orphanage, though this was not one.

¹⁰⁹⁶ Cross listed in Structural Failures.

¹⁰⁹⁷ Cross-listed in Violence-Arson.

¹⁰⁹⁸ Cross-listed in Violence-Arson. (originally a hotel, but had become a low-rent apartment building.)

¹⁰⁹⁹ Cross-listed in Violence-Arson.

¹¹⁰⁰ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹¹⁰¹ Cross-listed in Violence-Arson, Manslaughter/Homicide.

¹¹⁰² Cross-listed in Violence-Arson.

69. 1888 -- June 04, fire, Mundine Hotel, Rockdale, TX	--	11
70. 1898 -- Mar 13, fire, Bowery Mission and Young Men's Home, NYC, NY	--	11
71. 1902 -- Feb 09, fire, Empire Hotel lodging house, Olive Street, St. Louis, MO	--	11
72. 1906 -- Jan 10, West Hotel fire, Minneapolis, MN	--	11
73. 1907 -- Sep 05, fire, Webb Hotel, Shelton, WA	--	10-11
74. 1966 -- Jan 06, fire (cigarette), Hotel Carlton (and Apartments), St. Paul, MN	--	11
75. 1966 -- Jan 28, Paramount Hotel fire, Boston, MA	--	11

Fire, structural - Hotels, Motels/Inns/Boarding Houses/Country Clubs (By Mortality cont.)

76. 1919 -- Feb 06, fire, Tokyo Rooming House, South Weller St., Seattle, WA	--	10
77. 1929 -- Oct 17, fire, Portland Hotel, First Avenue, Seattle, WA	--	10
78. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY	--	10
79. 1979 -- July 31, arson fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH	--	10

Some Select Other (5-9 lives lost):

1972 -- Jan 5, fire, Washington Hotel (transients and the elderly), Toppenish, WA	--	8-9
1972 -- June 17, fire/building collapse, firefighters killed, Hotel Vendome, Boston, MA	--	9
1943 -- Feb 16, fire, rooming house, Augusta, ME	--	8
1933 -- Feb 08-09, Millard Hotel fire, firefighters killed by falling walls, Omaha, NE	--	7
2007 -- Oct 28, fire, beach house (young college students), Ocean Isle Beach, NC ¹¹⁰³	--	7
1903 -- Feb 20, fire, Clifton Hotel, Cedar Rapids, IA	--	6
1916 -- Mar 26, fire, San Antonio Country Club, San Antonio, TX	--	6
1971 -- July 23, fire, Howard Johnson's Motor Lodge, New Orleans, LA	--	6
1975 -- Dec 28, fire, Breezy Point Inn, Island Lake, near Duluth, MN	--	6
1958 -- Jan 27, fire & suffocation deaths, Olympia Hotel, Walnut St., Des Moines, IA	--	5
1968 -- Mar 26, Jackson Hotel fire (inebriated woman with lit cigarette), Omaha, NE	--	5

¹¹⁰³ Owned by a family, but used as a vacation and rental structure, not a home.

Fire, structural - Industrial/Production/Wholesale – Factories/manufacturing/warehousing
By Mortality

1.	1911 -- Mar 25, Fire, Triangle Shirtwaist Company, NYC, NY	--146-147
2.	1944 -- Oct 20, LNG Tank Explosions/Fire, East Ohio Gas Co., Cleveland, OH ¹¹⁰⁴	--128-136
3.	1850 -- Feb 04, Boiler Explosion & Fire, Taylor & Co., Hague St., Manhattan, NY ¹¹⁰⁵	--60-75
4.	1905 -- Mar 20, Boiler Explos. & Fire, Grover & Co. Shoe Factory, Brockton, MA ¹¹⁰⁶	-- 58
5.	1918 -- July 02, Semet-Solvay Co. TNT Plant Fire/Explosions, Split Rock, NY ¹¹⁰⁷	-- 50
6.	1893 -- Feb 09, Fire, Strafford County Workhouse, near Dover, NH	-- 41
7.	1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof falls, Staten Island NY ¹¹⁰⁸	-- 40
8.	1888 -- Nov 09, Fire, Steam-Gauge and Lantern Works, Rochester, NY	--34-38
9.	1913 -- July 22, Binghamton Clothing Company Fire, New York City, NY	-- 35
10.	1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter's shop, Syracuse, NY ¹¹⁰⁹	-- 26
11.	1874 -- Sep 19, Fire, Granite Mill (Factory) No. 1, fall River, MA	--23-25
12.	1901 -- Oct 25, Fire, Hunt & Wilkinson Co. Furniture Warehouse, Philadelphia PA	--21-25
13.	1910 -- Nov 26, Fire, Asch Factory, Orange & High Sts., Newark, NJ	-- 25
14.	1991 -- Sep 03, Chicken Processing Plant Fire, Hamlet, NC	-- 25
15.	1910 -- Dec 22-23, Fire, Nelson-Morris Meatpacking Plant, Stockyards, Chicago, IL	-- 24
16.	1958 -- Mar 19, Fire and Floor Collapse, Monarch Underwear Co., NYC, NY	-- 24
17.	1927 -- Apr 23, Fire/Explosions, Briggs Manufacturing Co., Detroit, MI	-- 23
18.	1864 -- Jun 17, Explosion/fire, Washington Arsenal, Greenleaf Pt., ¹¹¹⁰ District of Col. ¹¹¹¹	--21
19.	1928 -- Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA ¹¹¹²	--20-21
20.	1898 -- Feb 9, Fire & Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA ¹¹¹³	--14-20
21.	1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX ¹¹¹⁴	-- 19
22.	1885 -- May 21, Stove Explodes, Fire, Sullivan's Printing Bldg., Cincinnati, OH	-- 18
23.	1888 -- Aug 22, Fire & Bleach Explosion, G. Whiting Paper Mill, Neenah, WI ¹¹¹⁵	-- 18
24.	1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL ¹¹¹⁶	-- 18
25.	1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL ¹¹¹⁷	-- 17
26.	1883 -- Aug 23, George-Whiting Paper Mill Fire/Explosion, Menasha, WI	-- 16
27.	1898 -- Mar 16, fire/explosion, Ayer Bldg. (mercantile), Wabash Ave., Chicago, IL ¹¹¹⁸	-- 16
28.	1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA ¹¹¹⁹	16

¹¹⁰⁴ Cross-listed in Explosions. At least 32 died in fires in nearby houses.

¹¹⁰⁵ Cross-listed in Explosions.

¹¹⁰⁶ Cross-listed in Explosions.

¹¹⁰⁷ Cross-listed in Explosions.

¹¹⁰⁸ Cross-listed in Explosions and in Structural/Construction. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete cap to fall on workers.

¹¹⁰⁹ Cross-listed in Explosions.

¹¹¹⁰ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

¹¹¹¹ Cross-listed in "Explosions."

¹¹¹² Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.

¹¹¹³ Cross-listed in Explosions. It is not clear whether the fire or the first explosion came first. Most of the fatalities were explosion-related – walls falling and building components failing.

¹¹¹⁴ Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.

¹¹¹⁵ Cross-listed in Explosions (the cause of most, if not all, of the deaths).

¹¹¹⁶ Cross-listed in Explosions.

¹¹¹⁷ Cross-listed in Explosions, because fires were started by explosions.

¹¹¹⁸ This was a mixed-use building with retail and wholesale commercial enterprises, as well as manufacturing.

29. 1904 -- June 04, Corning Distillery fire, explosions, building collapse, Peoria, IL -- 15
 30. 1945 -- Aug 13, fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI-- 15
 31. 1957 -- Jan 24, M. Baer Dress Co. factory fire, New Haven, CT -- 15

Fire, structural -- Industrial/Production/Wholesale -- By Mortality (continued):

32. 1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA¹¹²⁰ -- ≥14
 33. 1910 -- Dec 21, fire, Friedlander Leather Remnants Factory, Philadelphia, PA -- 14
 34. 1915 -- Oct 25, fire, Union Paper Box Company, Pittsburgh, PA -- 14
 35. 1928 -- Feb 10, vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA¹¹²¹-- 14
 36. 1833 -- Oct 04, fire, Eagle Woolen Mills, Allegheny, PA -- 13
 37. 1877 -- June 08, fire, wall failure, Sanford & Son's Hat Factory, Bridgeport, CT --11-13
 38. 1880 -- Dec 17, fire, M.H. Birge & Co.'s "Manufactory," Buffalo, NY -- 13
 39. 1953 -- Mar 11, fire/smoke, Anheuser-Busch fermentation bldg. under construct., Newark NJ--13
 40. 1881 -- Oct 12, fire, Randolph Cotton and Woolen Mill, Randolph St., Philly, PA -- 9-12
 41. 1902 -- Oct 21, fire/glucose tank explosion, Glucose Sugar Refinery, Chicago, IL --11-12
 42. 1909 -- Nov 08, explosion and fire, Robert Morrison Comb Factory, Brooklyn NY¹¹²²--10-12
 43. 1905 -- Sep 17, fuse factory explosion and fire, Avon, CT -- 9-12
 44. 1915 -- Nov 06, fire, Essex Waist Co., Diamond Factory, Brooklyn, NY -- 12
 45. 1947 -- Apr 02, explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO¹¹²³-- 12
 46. 1918 -- Sep 17, fire, American Button Company plant, Newark, NJ -- 11
 47. 1928 -- Apr 20, fire, Alexander Industries Plane plant, Englewood, CO -- 11
 48. 1877 -- Dec 20, fire, Greenfield Candy Works, Barclay St., NY, NY -- 10
 49. 1898 -- Feb 26, fire/explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI¹¹²⁴ -- 10
 50. 1900 -- Oct 29, fire and explosions, Tarrant & Co. Drug warehouse, NYC, NY¹¹²⁵ -->7->10
 51. 1929 -- Dec 10, fire (lamp), Pathe Film Studio, Manhattan, NYC, NY -- 10
 52. 1933 -- Jun 09, fire, Atlantic Pyroxylin Waste Co., North Arlington, NJ -- 10
 53. 1940 -- July 30, explosions/conflagration, R. M. Hollingshead plant, Camden, NJ¹¹²⁶ -- 10
 54. 1941 -- Feb 05, fire, New Haven Quilt and Pad Company, New Haven, CT -- 10
 55. 1946 -- Jan 28, gasoline fumes ignite, fire, Tinker Field hangar ~Oklahoma City, OK -- 10
 56. 1946 -- Oct 3, explosions/fire, alkylation unit fractionating tower, Sun Oil Co., Marcus Hook, PA-- 10
 57. 1954 -- Oct 28, fire/chemical tank explosion, Charles W. Berg Labs, Philadelphia, PA-- 10
 58. 1956 -- Dec 03, Luckenbach Steamship Pier fire, detonators explode, Brooklyn, NY¹¹²⁷-- 10

Other:

- 1916 -- Oct 17, fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY-- 9
 2010 -- Dec 28, fire, abandoned warehouse used by homeless, New Orleans, LA -- 8

¹¹¹⁹ Cross-listed in Explosions.

¹¹²⁰ Cross-listed in structural failures – while the most died in collapse, at least 14 trapped died when the fire started. The overall estimated death toll range we show is 90-145.

¹¹²¹ Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.

¹¹²² Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.

¹¹²³ Cross-listed in Explosions.

¹¹²⁴ Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.

¹¹²⁵ Cross-listed in Fire in that fire of undetermined source led to a series of explosions (which caused the fatalities).

¹¹²⁶ Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

¹¹²⁷ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

Fire, structural -- **Industrial/Production/Wholesale** -- **By Mortality** (continued):

1888 -- Aug 09, Fire, Wall Collapse, Caldwell & Griffith block, Chattanooga, TN	--	5-7
1888 -- Sep 02, fire, firefighters killed, Hopkins Place, Baltimore, MD	--	7
1889 -- Nov 30, fire, Tribune Building, Minneapolis, MN	--	7
1950 -- July 16, fire, lead and zinc smelting plant, Lark, UT	--	5
2007 -- Oct 02, fire, 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO	--	5

Fires, structural **Institutional – Hospitals** **By Mortality**

1. 1929 -- May 15, Cleveland Clinic (hospital) fire, Cleveland, OH -- 125
 2. 1949 -- Apr 04-5, St. Anthony's Hospital fire (including 13 babies), Effingham IL -- 75
 3. 1950 -- Jan 07, fire, Women's Psychopathic Building, Mercy Hospital, Davenport IA -- 41
 4. 1918 -- Apr 13, Oklahoma State Hospital for the Insane fire, Norman, OK --39-40
 5. 1923 -- Feb 18, Manhattan State Hospital fire, Ward's Island, NY -- 27
 6. 1945 -- Dec 24, Niles Street Convalescent Hospital fire, Hartford, CT -- 21
 7. 1892 -- Jan 21, Surgical Institute (hospital) fire, IL and GA streets, Indianapolis, IN -- 19
 8. 1961 -- Dec 08, Hartford Hospital fire, Hartford, CT -- 16
- 1956 -- Dec 23, Fire, Xmas tree wiring short circuit, Doctors' Hosp., Minneapolis, MN-- 7

Fires, structural**Institutional – Mental Institutions/Boarding Homes****By Mortality**

1.	1950 -- Jan 07, fire, Women's Psychopathic building, Mercy Hospital, Davenport IA	--	41
2.	1918 -- Apr 13, fire, Oklahoma State Hospital for the Insane, Norman, OK	--	39-40
3.	1943 -- Jan 31, fire, Lake Forest Park Sanitarium, ¹¹²⁸ Lake Forest Park, WA	--	32
4.	1880 -- Nov 15, fire, Minnesota State Asylum for Insane, St. Paul, MN	--	24-30
5.	1850 -- Dec 03, fire, Maine Insane Asylum, Augusta, ME	--	28
6.	1980 -- July 26, Brinley Inn Boarding Home (mental impairment) fire, Bradley Beach, NJ	--	24
7.	1885 -- Feb 12, arson fire, Dept. for Insane, Blockley Almshouse, Philadelphia, PA	--	19-20
8.	1885 -- Jan 18, fire, Illinois Eastern Hospital for Insane, Kankakee, IL	--	18
9.	1923 -- Dec 26, fire, Illinois State Hospital for the Insane, Dunning, IL	--	18
10.	1899 -- Feb 12, fire, State Insane Asylum, near Yankton, SD	--	17
11.	1952 -- Nov 26, fire, female ward, Huntington State Mental Hosp., Huntington, WV	--	17
12.	1919 -- May 19, mental asylum fire, Columbia, SC	--	16
13.	1978 -- Dec 09, Ellisville State School/mental hosp., women's dorm fire, Ellisville, MS	--	15
14.	1902 -- June 09, fire, St. Luke's Society Sanitarium, Wabash / 21 st , Chicago, IL	--	12-13
15.	1891 -- Mar 13, fire, Central Tennessee Insane Asylum, near Nashville, TN	--	10-11
16.	2006 -- Nov 27, fire, Anderson Guest House (elderly/mentally-impaired), Anderson, MO ¹¹²⁹	--	11
17.	1979 -- Apr 11, fire, Halfway House (Mental Impairment), Lamont Street, Wash. DC	--	10
18.	1992 -- June 02, fire, Nu-Way Development Home (adult foster care), Detroit, MI	--	10
	1948 -- Mar 10/11, fire, Highland Hospital for Nervous Disorders, Asheville, NC	--	9
	1983 -- Aug 31, fire, mentally handicapped home, Annandale Village, Suwanee, GA	--	8
	1998 -- Apr 27, arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA ¹¹³⁰	--	8
	1963 -- May 03, fire, home for mentally-challenged children, Rockville, IN	--	6

¹¹²⁸ For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.

¹¹²⁹ Cross-listed in Structural Fire subset – Institutional – Nursing, Convalescent, Elderly Boarding, Retirement.

¹¹³⁰ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

Fire - Institutional – Nursing, convalescent, elderly boarding, retirement homes - Mortality

1.	1957 -- Feb 17, Katie Jane Nursing Home fire, Warrington, MO	-- 72
2.	1963 -- Nov 23, Golden Age Nursing Home fire, Fitchville, OH	-- 63
3.	1931 -- July 24, Home for the Aged fire, Pittsburgh, PA	-- 48
4.	1953 -- Mar 29, Littlefield Nursing Home fire, near Largo, FL ¹¹³¹	--33-35
5.	1970 -- Jan 09, Harmer House Convalescent Home fire (cigarette), Marietta OH ¹¹³²	--31-32
6.	1981 -- Jan 09, Beachview Rest Home (sheltered care facility) fire, Keansburg, NJ	-- 31
7.	1963 -- Nov 18, Surfside Hotel (elderly home) fire (arson?), Atlantic City, NJ ¹¹³³	-- 25
8.	1979 -- April 2, Wayside Inn Boarding Home/Care Facility fire, Farmington, MO	-- 25
9.	1976 -- Jan 30, Wincrest Nursing Home arson fire, Chicago, IL	-- 24
10.	1951 -- Jan 30, McClary Convalescent Home (for aged) incinerator fire, Hoquiam, WA	-- 21
11.	1952 -- Oct 31, Cedar Grove Nursing Home fire, Hillsboro, MO	--18-20
12.	1964 -- Dec 18, Maples (McGraw) Convalescent Home fire, Fountaintown, IN	-- 20
13.	1876 -- Mar 07, Home for the Aged fire, East Brooklyn, NY	-- 18
14.	1957 -- Feb 13, Council Bluffs Convalescent Home fire, Council Bluffs, IA	--16-17
15.	1989 -- Dec 24, John Seiver Elderly Residence fire, Johnson City, TN	-- 16
16.	2003 -- Feb 26, Greenwood Nursing Home fire (set by patient), Hartford, CT	-- 16
17.	2003 -- Sep 25, National Healthcare Center Nursing Home fire, Nashville, TN	-- 16
18.	1971 -- Oct 19, fire, Geiger Nursing Home (sedated patients), Texas Township, PA	--all 15
19.	1973 -- Dec 04, Caley Nursing and Rehabilitation Center fire, Wayne, PA	-- 15
20.	1946 -- Feb 02, Jennings Hall Home for Aged explosion & fire, Garfield Heights, OH	-- 14
21.	1979 -- Nov 11, Coats Boarding/Nursing House fire, Pioneer, OH	-- 14
22.	1956 -- July 30, Reagan Nursing Home fire (1 survivor), Puxico, MO	-- 12
23.	1970 -- Aug 05, Pensioner Rooming House fire, E. Hennepin, Minneapolis, MN ¹¹³⁴	--11-12
24.	1989 -- Oct 05, Hillhaven Rehabilitation and Convalescent Center fire, Norfolk, VA	-- 12
25.	1973 -- Sep 13, Washington Hill Nursing Home fire, Philadelphia, PA	-- 11
26.	2006 -- Nov 27, Anderson Guest House (elderly/mentally-impaired) fire, Anderson, MO ¹¹³⁵	--11
27.	1934 -- Feb 20, Penn. Mem. Home/Hosp. (Civil War veterans widows) fire, Brookville, PA	-- 10
28.	1950 -- Dec 22, Walker Convalescent Home (for elderly) fire, near Amarillo, TX	-- 10
29.	1971 -- Jan 14, Westminster Terrace Presbyterian Nursing Home Fire, Buechel, KY	-- 10
30.	1972 -- Jan 26, Green Nursing Home fire ¹¹³⁶ (10 patients), Lincoln Heights, OH	--all 10
31.	1972 -- Apr 04, Fair Hills Boarding Home for elderly fire/night/no staff, Rosecrans, WI	-- 10
32.	1972 -- May 06, Carver Convalescent Center (nursing home) fire, Springfield, IL	-- 10
33.	1972 -- Nov 30, Baptist Towers Home for Senior Citizens fire, Atlanta, GA	-- 10
34.	1973 -- Jan 29, Street's Sheltered Care Rest Home arson fire, Pleasantville, NJ ¹¹³⁷	-- 10
35.	1979 -- Apr 01, Marietta Manor private care home for elderly fire, Connellsville, PA	-- 10
36.	1985 -- July 23, elderly boarding home fire, Sweet Valley, PA	-- 10
37.	1991 -- Mar 04, Crystal Springs Estates Boarding Home fire, Colorado Springs, CO	-- 10

¹¹³¹ 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.

¹¹³² 32 deaths was initial finding. Later it was thought one might have been due to unspecified natural causes.

¹¹³³ Ex-mental patient and arsonist arrested and "confessed," but was not indicted.

¹¹³⁴ Cross-listed in Structural Fire subset of Apartment/Boarding/Rooming House Fires. Most victims were retirees.

¹¹³⁵ Cross-listed in Structural Fire subset – Institutional – Mental Asylums/Boarding Homes.

¹¹³⁶ Overheated furnace running on manual rather than automatic (and had not been turned off to cool down).

¹¹³⁷ Cross-listed in Violence-Arson.

Fire - Institutional – Nursing, convalescent, elderly boarding, retirement homes - Mortality

38. 1997 -- May 13, board and care facility fire, Harvey's Lake, PA	--	10
1962 -- Dec 20, St. Jude Nursing Home fire, Hudson, MA	--	9
1948 -- Mar 23, Ward's Rest/Convalescent Home for elderly fire, north Omaha, NE	--	8
1998 -- Apr 27, Arlington Manor elderly/disabled boarding home arson? fire, Arlington, WA ¹¹³⁸	--	8
1943 -- Feb 11 convalescent home (elderly) fire and suffocation deaths, Sioux falls, SD--	--	7
1961 -- Feb 01, Mount Vernon Nursing Home fire, Washington, DC	--	7
1963 -- Sep 17, Paradise Pines Rest Home (men in 80s) fire, 14M south of Riggins, ID--	--	7
1969 -- Jan 18, Carrie Weaver Nursing Home fire, Greenville, MS	--	7
1953 -- Jan 25, Gallagher Nursing Home fire (careless smoking), Billings, MT	--	6
1971 -- Sep 15, Lil-Haven Nursing Home fire and suffocation deaths, Salt Lake City, UT--	--	6

¹¹³⁸ Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

Fires, structural**Institutional – Orphanages****By Mortality**

1.	1901 -- Jan 08, Fire/Boiler Explosion, Orphan Asylum, Rochester, NY	--	31
2.	1884 -- Dec 18, Fire, St. John's Home Catholic Orphan Asylum, Brooklyn, NY	--	23-25
3.	1822 -- Jan 24, Fire, Philadelphia Orphan Asylum, Schuylkill & Cherry, Philly PA	--	23
4.	1881 -- Feb 27, Fire, St. Patrick's Orphanage, Scranton, PA	--	17
5.	1945 -- Jan 31, Fire, Lacoste Babies' Boarding Home & Nursery, Auburn, ME ¹¹³⁹	--	17
	1912 -- Oct 30, Fire, St. John's Orphanage, San Antonio, TX	--	7-8
	1909 -- Aug 30, Fire, St. Malachy's Home for Children, Far Rockaway Beach, NY	--	7
	1851 -- Oct 15, Fire, German Catholic Orphan Asylum, Cincinnati, OH	--	6
	1916 -- Dec 22, Fire, Kansas Masonic Charity Home, Wichita, KS ¹¹⁴⁰	--	5
	1958 -- Nov 27, Fire, Mary Flake Home for Handicapped Children, Warr Acres, OK	--	5

¹¹³⁹ This was a boarding home for babies and children up to five. Cross listed in Orphanage, though this was not one, in that we have no other sub-set for institutional children's care.

¹¹⁴⁰ This was also an orphanage, but none of the fatalities were children. Section of home that burned was for elderly Masonic Lodge members.

Fires, structural**Institutional – Pauper/Poor Houses subset****By Mortality**

1. 1878 -- Apr 07, Fire, Steuben County House (poor house/insane asylum), Bath, NY --15-16
 2. 1881 -- Jan 07, Fire, Strafford County Farm [for paupers], near Dover, NH --13-15
 3. 1884 -- Apr 30, Fire, Van Buren County, MI Poorhouse, near Harford, MI --13-15
 4. 1890 -- May 07, Fire, Chenango Co. Poorhouse & Asylum, Preston, NY -- 13
-
- 1935 -- Jan 01, Fire, Cherokee County Home for elderly men dormitory, Gaffney, SC -- 5
 - 1944 -- Apr 13, Fire, Douglas County Home (for the poor), near Lawrence, KS -- 8

Fire -- Institutional - Penal: Jails, Penitentiaries, Prisons, Prison Camps, Work Houses
By Mortality

1.	1930 -- Apr 22, Ohio State Penitentiary Fire, Columbus, OH	--320-322
2.	1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN ¹¹⁴¹	-- 42
3.	1967 -- July 16, Riot and Fire, State Prison Road Camp 12 barracks, Jay, FL	-- 38
4.	1913 -- July 21, Fire, Convict Cage, Oakley Convict Farm, Hinds County, MS	-- 35
5.	1916 -- Mar 06, Jail Fire, "El Holocausto," or the "Jail Holocaust," El Paso, TX	--18-30
6.	1982 -- Nov 8, Fire (intentionally set by inmate), Harrison County Jail, Biloxi, MS	-- 29
7.	1959 -- Mar 5, Fire, Negro Boys Industrial School Reformatory Dorm, Wrightsville, AR	-- 21
8.	1950 -- Mar 08, Fire, prisoner jail, Sandia Secret Weapons Base, Albuquerque, NM	-- 15
9.	1866 -- Jan, Fire Jail and City Guard House, Marietta, GA	-- 13
10.	1931 -- Mar 17, Fire, Stockade, County Jail, Kenansville, NC	-- 11
11.	1975 -- June 9, Mattress set on Fire, spreads, Seminole County Jail, Sanford, FL	-- 11
12.	1979 -- Dec 27, Fire, Lancaster County Jail, Lancaster, SC	-- 11
	1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC	-- 9

¹¹⁴¹ Cross-listed in Violence-Arson.

Fires, structural**Institutional – Schools and Colleges subset****By Mortality**

- | | | |
|-----|---|-----------|
| 1. | 1908 -- Mar 04, Fire, Trampling, Lake View Elem. School, Collinwood, OH ¹¹⁴² | --175-176 |
| 2. | 1958 -- Dec 01, Our Lady of the Angels Elementary School Fire, Chicago, IL | -- 95 |
| 3. | 1923 -- May 17, Fire, Cleveland School District, Kershaw County, near Camden, SC | -- 77 |
| 4. | 1924 -- Dec 24, Babbs Switch School Fire, Hobart, OK | -- 36 |
| 5. | 1884 -- Jan 05, Fire, Immaculate Conception Academy (Conv./School), Belleville, IL | -- 32 |
| 6. | 1924 -- May 31, Fire, Hope Development School, Playa Del Rey, near Venice CA | -- 24 |
| 7. | 1915 -- Oct 28, Fire, Trampling, St. John's Parochial School, Peabody, MA ¹¹⁴³ | -- 21 |
| 8. | 1903 -- Dec 18, Fire, Women's Dormitory, Walden University, Nashville, TN | -- 9-15 |
| 9. | 1954 -- Mar 31, Cleveland Hill Elementary School Fire, Cheektowaga, NY | -- 15 |
| 10. | 1918 -- Jan 12, Fire, Boys dorm., Dwight Indian Mission School, Marble City, OK | -- 13 |
| 11. | 1916 -- Oct 05, Fire, Christian Brothers College, St. Louis, MO | -- 10 |
| 12. | 1977 -- Dec 13, Fire, Providence College Women's Dormitory, Providence, RI | -- 10 |

¹¹⁴² Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹¹⁴³ Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.

Fires, structural**Maritime Docks subset****By Mortality**

1. 1900 -- June 30, North German Lloyd Line Fire, Piers & Ships, Hoboken, NJ --325-400
 - 9 *Bremen* (crew). Hoboken Historical Museum.
 - 0 *Kaiser Wilhelm der Grosse*. Hoboken Historical Museum.
 - 44 *Main*. Hoboken Historical Museum. CD-ROM: 1900 Hoboken Pier Fire.
 - 99 *Saale*. Eastlake, Russell, Sharpe. *World Disasters*. "Saale, New York." 2001, p. 30.
 - 173 "...on the piers." Hoboken Historical Museum.
2. 1960 -- Dec 19, Fire, *U.S.S. Constellation*, New York Naval Shipyard, NY -- 50
3. 1941 -- Aug 18, Fire, NY & Cuba Mail Steam Ship Co. Piers, *Panuco*, Brooklyn, NY --34-35
4. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY¹¹⁴⁴-- 10

¹¹⁴⁴ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

**Fire, structural -- Nightclubs/Dance/Gambling Halls/Supper/Social Clubs, Cocktail Lounge
By Mortality**

1. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA¹¹⁴⁵--498
2. 1940 -- Apr 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
3. 1977 -- May 28, Beverly Hills Supper Club Fire, Southgate, KY -- 165
4. 2003 -- Feb 20, Fire, Trampling, The Station Nightclub, West Warwick, RI¹¹⁴⁶ -- 100
5. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY¹¹⁴⁷ -- 87
6. 1894 -- Dec 24, Fire, Chrisman Bros. Hall, Silver Lake, Lake County, OR -- 43
7. 2016 -- Dec 02, Fire, rave party in warehouse, Fruitvale district, Oakland, CA¹¹⁴⁸ -- 36
8. 1973 -- Jun 24, Cocktail Lounge Fire, New Orleans, LA -- 32
9. 1919 -- Nov 22, Stove Explosion/Fire/Crushing, Dance Hall/Store, Ville Platte LA¹¹⁴⁹--25-28
10. 1976 -- Oct 24, Arson Fire, Puerto Rican Social Club, Bronx, NY -- 25

11. 1974 -- June 30, Fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY -- 24
12. 1929 -- Sep 20, Study Club Dance Hall Fire, Detroit, MI -- 22
13. 1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH¹¹⁵⁰-- 22
14. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV¹¹⁵¹-- 15
15. 1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL¹¹⁵² -- 13
16. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY¹¹⁵³ -- 12
17. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO¹¹⁵⁴ -- 12
18. 1867 -- Jun 18, Fire, Saloon, near Rock Island Railroad Depot, Chicago, IL --10-11
19. 1956 -- Jan 29, MD Oyster Roast Fire, Arundel Park Hall, Brooklyn MD -- 11

¹¹⁴⁵ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹¹⁴⁶ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹¹⁴⁷ Cross-listed in Violence-Arson.

¹¹⁴⁸ An entertainment event (live music, paid admission) at a warehouse for artist work/non-permitted living.

¹¹⁴⁹ Cross-listed in Explosions and in Violence/Trampling.

¹¹⁵⁰ Cross-listed in Explosions.

¹¹⁵¹ Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.

¹¹⁵² Cross-listed in Violence-Arson.

¹¹⁵³ Cross-listed in Violence-Arson.

¹¹⁵⁴ Cross-listed in Violence-Arson.

Fire, structural**Residences/Houses subset****By Mortality**

1. 1959 -- Jan 08, home wood stove fire (15 children and woman), Boswell, OK -- 16
2. 1954 -- Dec 24, explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR¹¹⁵⁵--13
3. 1963 -- Dec 25, fire, portable home oil heater tipped over, Charleston, SC --12-13
4. 1941 -- Oct 28, home fire, Montclair, NJ -- 12
5. 1956 -- Mar 08, tar-papared Twyman home fire, wife/children/grand-children, Oxford, PA-- 12
6. 1958 -- Feb 17, duplex fire, including 11 children in two families, Atlanta, GA -- 12
7. 1961 -- Mar 28, residential fire (lightning?), Alex Whitehead home, Dotsonville, TN¹¹⁵⁶-- 12
8. 1969 -- June 8, arson fire (patricide), Bailey family home, Parkersburg, WV¹¹⁵⁷ -- 12
9. 1987 -- Sep 30, residence fire, Milwaukee, WI -- 12

10. 1949 -- Mar 3, home coal stove explos./fire/kerosene added, Fox Lake, Lakewood, 12M ~Muskegon MI-11
11. 1959 -- Mar 15, fire, farm house (10 children and farmer), Cross Hill, SC -- 11
12. 1964 -- Feb 22, house fire (Moses James family, 9 children), near Society Hill, SC -- 11
13. 1968 -- Feb 11, dwelling fire, Franklin, PA -- 11
14. 1968 -- July 18, dwelling fire (9 children, 2 adults), St. Albans sec., Queens, NY -- 11
15. 1981 -- Jan 11, single family home fire, East St. Louis, IL -- 11
16. 1998 -- Mar 22, cabin fire, spring break youth, Madisonburg Mt. near Madisonburg, PA-- 11
17. 2001 -- Jan 03, single family dwelling fire, Oak Orchard, Sussex County, DE -- 11

18. 1905 -- Jan 03, fire, entire Noweski family killed, Morris Run, PA -- 10
19. 1958 -- Apr 05, home fire (coal gas fumes), Porter Township, near Jersey Shore, PA -- 10
20. 1962 -- Jan 15, Paladino home fire, Catholic Point community ~Center Ridge, AR -- 10
21. 1963 -- Feb 21, farm/tenant home fire, near Luxora, AR -- 10
22. 1963 -- Feb 23, home fire (Paul Saville family--wife, 8 children), Morehouse, MO -- 10
23. 1964 -- Sep 12, farm house fire (Bowdish/McConnell children), Kasota, MN -- 10
24. 1969 -- Apr 05, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR -- 10
25. 1969 -- July 10, farm dwelling fire (laundry room), Posen, Presque Isle County, MI -- 10
26. 1989 -- Jan 01, rural house fire, Remer, MN -- 10
27. 2007 -- Feb 06, single-family house fire, Bardstown, KY -- 10
28. 2008 -- Apr 03, residential fire, Brockway, PA -- 10

- 1891 -- Apr 06, fire, 3 tenement/store houses, NY St., Rochester, Beaver Co., PA -- 9
- 1954 -- Mar 19, kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV¹¹⁵⁸- 9
- 1984 -- Feb 04, home fire, boy playing with lighter, victims 1-8 years old, Tacoma WA-- 9
- 2005 -- May 21, arson fire, house during child's birthday sleepover, Cleveland, OH¹¹⁵⁹-- 9
- 2006 -- Mar 11, fire, two-story home, Evensville, Rhea County, TN -- 9
- 2012 -- Mar 24, residential home fire, Charleston, WV -- 9
- 2014 -- Jan 30, home fire, linked to electric heater, Mom, children, Depoy, KY -- 9

¹¹⁵⁵ Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.

¹¹⁵⁶ Cross-listed in Lightning.

¹¹⁵⁷ Cross-listed in Violence-Arson.

¹¹⁵⁸ Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.

¹¹⁵⁹ Cross-listed in Violence-Arson.

Fire, structural**Residences/Houses****By Mortality**

1944 -- Dec 30, residential home fire, Columbus, IN	--	8
1950 -- Mar 02, residential family home fire, Monson, ME	--	8
1957 -- Dec 02, home fire, overheated stove, expectant mother, 7 children, Westor, AR--		8
1959 -- Apr 28, fire, coal-burning stove explosion, Nayakik residence, Point Barrow, AK--		8
1963 -- Jan 20, home fire, thought related to coal stove, kills family, Calhoun, OK	--	8
1967 -- July 04, shanty family residence fire, Oxford, ME	--	8
1936 -- Feb 18, Broyles home fire, overheated stove, South Hutchinson, KS	--	7
1944 -- Mar 06, children die in home fire, York Beach, ME	--	7
1954 -- Apr 03, farm house fire, mother and six children, near Tuttle, ND	--	7
1954 -- Apr 10, kerosene splashed on home stove live coals explodes, fire, Columbia AL--		7
1959 -- Feb 15, residential home fire (grandmother and six children), South Bend, IN	--	7
1959 -- Mar 29, residence fire, children killed, Danielstown, Brunswick County, VA	--	7
1963 -- Apr 23, residential fire, River Park Drive, Louisville, KY	--	7
1964 -- Mar 03 lightning hits residence starting fire, Forrest City, AR ¹¹⁶⁰	--	7
1972 -- Jan 06, home fire from burners on stove, unattended children, Portland, OR	--	all 7
2006 -- July 20, fire (over-heated refrigerator), residential home, Chickasha, OK	--	7
2013 -- Mar 09, fire, home (unknown cause), man, woman, 5 children, Gray, KY	--	7
1954 -- Apr 03, kerosene poured in home stove explodes, home fire, Glouster, OH	--	6
1955 -- Feb 01, home fire, all children, Chuckatuck, VA	--	6
1959 -- Jan 05, fire, residential, coal-burning stove, Winstonville, Bolivar Co., MS	--	6
1959 -- Jan 20, fire (exploding stove?), residence, children killed, Ashland, ME	--	6
1959 -- Mar 16, fire, residence (father and five children), Superior, WI	--	6
1959 -- Apr 25, Waldrop residence fire, Hill City, near Calhoun, GA	--	6
1960 -- Mar 27, home fire kills widow and five children, Winthrop, ME	--	6
1963 -- Dec 16, duplex home fire, space heater spilled oil, children, Portland, ME	--	6
1966 -- Dec 28, family farmhouse fire, Panton, VT	--	6
1989 -- July 04, home fire, children, locked in house, River Park Drive, Louisville, KY--		6
1999 -- Jan 01, Hatfield family home fire (LP gas heater in garage), Ceylon, MN	--	6
2006 -- Mar 11, residential fire, wood-burning stove probable cause, Shoals, IN	--	6
2006 -- Apr 07, mobile home fire, propane lantern ignites material, Jacksonville, FL	--	6
2014 -- Feb 22, house fire (parents and four children), Indianapolis, IN	--	6
2014 -- Aug 29, mobile home fire (cause undetermined), just outside Garland, NC	--	6
1902 -- Aug 24, residential house fire kills children, Portland, ME	--	5
1954 -- Jan 04, residential home fire, 5 children die, Oglethorpe, GA	--	5
1954 -- Jan 04, home oil space heater explosion and fire, Old Orchard Beach, ME	--	5
1954 -- Jan 21, stove explodes, home burns, mother and 4 children die, Gordon, NE	--	5
1954 -- Aug 23, home fire (children), wrong-size fuses/defective wiring, Waterville, ME--		5
1955 -- Jan 31, home oil stove fire (mother and children), Lakeview, GA	--	5
1959 -- Feb 15, home fire, thought to be from coal fueled stove, Pinson Fork, KY	--	5
1992 -- Nov 08, home fire (fireplace ashes in box), South Jordan (~Salt Lake), UT	--	5

¹¹⁶⁰ Cross-listed in Lightning.

Fires	Tenements, Apartments, Rooming Houses, Rowhouses, Barracks	By Mortality
-------	--	--------------

1.	1946 -- Dec 12, fire, vacant Knickerbocker Ice Plant wall falls onto tenement, NYC	-- 37
2.	1903 -- Nov 01, "House of All Nations" tenement fire, Eleventh Ave., NYC, NY	-- 25
3.	1973 -- Nov 15, fire, Stratford Apartments building, Los Angeles, CA	-- 25
4.	1982 -- Sep 04, arson fire, Dorothy Mae Apartments/hotel, Los Angeles, CA ¹¹⁶¹	--24-25
5.	1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ ¹¹⁶²	-- 21
6.	1860 -- Feb 02, tenement building fire, 142 Elm Street, East Manhattan, NY, NY	--10-20
7.	1888 -- Aug 03, fire, tenement house, 197 Bowery, NY, NY	--17-20
8.	1905 -- Mar 14, fire, tenement, Allen St., New York City, NY	-- 20
9.	1907 -- July 28, fire, tenement house, 222 Chrystie Street, East Side, NYC, NY	--19-20
10.	1976 -- Jan 10, Pathfinder (residential) Hotel natural gas explos./fire, Fremont, NE ¹¹⁶³	-- 20
11.	1940 -- Jan 03, fire, Marlborough (Apartment) Hotel, Minneapolis, MN	-- 19
12.	1945 -- Feb 17, fire from welding in candy co., Maefair Apartments, Tacoma, WA	-- 19
13.	1953 -- Sep 07, fire, Spector Realty Co. tenement building, State St., Chicago, IL	-- 18
14.	1957 -- Nov 16, fire, tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY	-- 18
15.	2022 -- Jan 09, space-heater related fire (9 adults/8 children), apartment bldg., Bronx, NY	-- 17
16.	1900 -- Mar 12, arson fire (charged), Italian tenement building, Newark, NJ ¹¹⁶⁴	-- 16
17.	1904 -- Sep 04, fire, 5-story tenement, Attorney Street, New York City, NY	-- 15
18.	1922 -- Oct 22, fire, apartment house, Lexington Avenue, NY, NY	-- 15
19.	1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA ¹¹⁶⁵	-- 15
20.	1890 -- Feb 02, shop and tenement fire, North Street, Boston, MA	--12-14
21.	1900 -- July 3, arson fire (alleged), tenement, Adams and First Sts., Hoboken, NJ ¹¹⁶⁶	--13-14
22.	1917 -- Feb 02, gas explosion and fire, tenement buildings, Chicago, IL ¹¹⁶⁷	-- 14
23.	1924 -- Feb 19, fire, tenement house, Madison St., New York, NY	-- 14
24.	1975 -- Dec 12, condemned Gartland Apartments arson fire, San Francisco, CA	-- 14
25.	1982 -- July 5, arson fire, apartment building, Waterbury, CT ¹¹⁶⁸	-- 14
26.	1923 -- Feb 23, fire, garage and apartments, Hatley Building, Kansas City, KS	-- 13
27.	1932 -- June 07, explosion and arson fire, Ellington Apartments, Cleveland, OH ¹¹⁶⁹	-- 13
28.	1942 -- Jan 20, fire, Melvin Hall Apartments, Lynn, MA	-- 13
29.	1968 -- Jan 09, fire, paper box factory and tenement/apartment house, Brooklyn, NY	-- 13
30.	1968 -- Aug 31, In-Crowd Lounge/Apartment fire (possibly arson), Gary, IN	-- 13
31.	1979 -- Oct 19, typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan	-- 13
32.	1982 -- April 30, arson fire, Pinter (residential) Hotel, 14 th Street, Hoboken, NJ ¹¹⁷⁰	-- 13
33.	2017 -- Dec 28, fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY	-- 13

¹¹⁶¹ Cross-listed in Violence-Arson.

¹¹⁶² Cross-listed in Violence-Arson.

¹¹⁶³ Though originally a hotel, it had been modified to provide apartments. Cross-listed in Fire-Explosions.

¹¹⁶⁴ Cross-listed in Violence-Arson.

¹¹⁶⁵ Cross-listed in Violence-Arson.

¹¹⁶⁶ Cross-listed in Violence-Arson.

¹¹⁶⁷ Cross listed in Explosions.

¹¹⁶⁸ Cross-listed in Violence-Arson.

¹¹⁶⁹ Cross-listed in Violence-Arson.

¹¹⁷⁰ Cross-listed in Violence-Arson.

Fires Tenements, Apartments, Rooming Houses, Rowhouses, Barracks By Mortality con't

34.	1904 -- Nov 20, fire, tenement house, Troutman Street, Brooklyn, NY	--	12
35.	1921 -- Nov 14, fire, tenement house, 108 West 17 th Street, NYC, NY	--	10-12
36.	1923 -- Apr 27, fire, tenement building, East 109 th Street, NYC, NY	--	12
37.	1955 -- Feb 01, oil stove fire (11 children), tenement, Schuyler St., Amsterdam, NY	--	12
38.	1969 -- Jun 03, fire, apartment house, Kansas City, MO	--	12
39.	1970 -- Aug 05, fire, pensioner rooming house, E. Hennepin, Minneapolis, MN	--	11-12
40.	1971 -- Apr 25, fire, Seventh Avenue Apartments building, Seattle, WA	--	12
41.	1976 -- Dec 24, fire, birthday party (10 children), apartment house, Chicago, IL	--	12
42.	1978 -- Dec 07, tenement house fire (7 children/5 adults), Central Ward, Newark, NJ	--	12
43.	1980 -- Dec 18, fire, Avalon Apartment Building, Salt Lake City, UT	--	12
44.	2022 -- Jan 05, rowhouse/apt. fire (8 children/4 adults), Fairmont sec., Philadelphia, PA	--	12
45.	1900 -- June 15, tenement fire, 34 Jackson Street, NYC, NY	--	11
46.	1902 -- Jan 29, Italian Tenement Fire, Fleet Street, North End, Boston, MA	--	10-11
47.	1946 -- Jan 27, fire, Winona Apartments and rooming house, Kansas City, MO	--	10-11
48.	1948 -- Feb 13, fire, apartment building, Hoage family, Cedar Street, Utica, NY	--	11
49.	1959 -- Feb 14, fire (from gas explosion), apartment building, Ashland, KY	--	11
50.	1964 -- Nov 04, fire, Dorchester Manor Apartment Hotel, Chicago, IL	--	11
51.	1969 -- Apr 06, fire, wood-frame tenement/apartment house, Bridgeport, CT	--	11
52.	1973 -- Sep 29, arson fire, tenement, Eleventh & Willow, Hoboken, NJ ¹¹⁷¹	--	11
53.	1981 -- Oct 24, arson fire, apartment building, 12 th and Washington, Hoboken, NJ ¹¹⁷²	--	11
54.	1985 -- May 13, Philadelphia Police bomb MOVE, rowhouse fire, PA ¹¹⁷³	--	11
55.	2005 -- Mar 10, townhouse mattress fire, Marrero, LA	--	11
56.	1860 -- Mar 28, 40 th Street tenement house fire, NYC, NY	--	10
57.	1909 -- Mar 03, tenement building fire, 374 Seventh Avenue, NYC, NY	--	10
58.	1923 -- June 21, tenement building fire, Federal Street, Chicago, IL	--	10
59.	1935 -- Sep 29, arson fire, tenement, Chicago, IL	--	10
60.	1936 -- Feb 03, fire, dormitory, Parker Dam construction site, Colorado River, CA	--	10
61.	1966 -- Feb 05-06, kerosene heater explodes, fire, rooming house, Miami, FL	--	10
62.	1969 -- Dec 18, tenement fire/faulty Christmas tree lights, Bushwick/Brooklyn NY	--	9-10
63.	1972 -- Nov 30, Baptist Towers Home for Senior Citizens (11 floors) fire, Atlanta GA	--	10
64.	1973 -- July 11, apartment building/rooming house fire, Main St., Worcester, MA	--	10
65.	1974 -- Jan 24, Vogel Apartment House fire (7 children, 3 adults), Liberty, NY	--	10
66.	1976 -- Feb 04, tenement house fire (7 children, 3 adults), Manhattan, NYC, NY	--	10
67.	1976 -- Dec 20, Witmer Street apartment house juvenile arson fire, Los Angeles, CA	--	10
68.	1977 -- Dec 10, Wenonah Park apt. bldg. fire/light fixture short-circuit, Bay City, MI	--	10
69.	1982 -- May 14, row house fire, Baltimore, MD	--	10
70.	1984 -- Feb 08, family row-house fire, Philadelphia (Kensington section), PA	--	10
71.	1991 -- Feb 16, apartment building fire (extension cord related), New Britain, CT	--	10

¹¹⁷¹ Cross-listed in Violence-Arson.

¹¹⁷² Cross-listed in Violence-Arson.

¹¹⁷³ Cross-listed in Violence-Governmental Use of Force.

72.	1991 -- Dec 09, West Side Apartment Building fire, Humboldt Park, Chicago, IL	--	10
73.	1993 -- May 03, apt./tenement bldg. arson fire, Burlington Ave., Los Angeles, CA ¹¹⁷⁴	--	10
74.	2004 -- Sep 12, Lincoln Park West Apartments arson fire, Prairie Township, OH	--	10
75.	2007 -- Mar 07, rowhouse fire, Bronx, NY	--	10

Fires Tenements, Apartments, Rooming Houses, Rowhouses, Barracks By Mortality con't

Other (a few examples of fewer than ten deaths):

1967 -- Jan 14, row house fire (cigarette), Philadelphia, PA	--	9
1993 -- Feb 28, fire, apartment building (8 children, 1 adult), Ludington, MI	--	9
1994 -- Feb 26, fire, from candle; rowhouse; power turned off, west Baltimore, MD	--	9
2007 -- Jan 13, fire, Emmons Jr. Apartment Building, Huntington, WV	--	9
1966 -- Nov 6, rowhouse fire, West Franklin Street, West Baltimore, MD	--	8
1975 -- Jan 18, rowhouse fire (cigarette), 7 children/1 adult, Walbrook Ave. Baltimore, MD--	--	8
1983 -- Dec 09, fire (careless smoking) row house (five children), west Baltimore, MD	--	8
1992 -- Feb 13, fire (space heaters or smoking) row house (5 children), Camden NJ	--	8
1992 -- Dec 05, fire (apparently smoking in bed), row house (8 children), Chester, PA	--	8
2007 -- May 22, fire (smoking materials), row house, east Baltimore, MD	--	8
1959 -- Mar 13, dwelling fire (five children, two adults), Easton, ME	--	7
1994 -- Jan 09, fire (clothing on heating grate), row house (6 children), Baltimore, MD	--	7
2010 -- Dec 14, fire, two-story brick row house home, east Baltimore, MD	--	6
2014 -- Nov 01, rooming house fire (landlord charged with manslaughter), Portland, ME	--	6
1956 -- Dec 23, fire, downtown apartment building, mother, four children, Meriden, CT	--	5
1992 -- Dec 17, fire, four-family apartment building, Auburn, WA	--	5

¹¹⁷⁴ Cross-listed in Violence-Arson.

Fire, structural -- Terrorism-Related subset -- By Mortality

1. 2001 -- Sep 11, World Trade Center attack, American 11 and United 175, NY --2,830
2. 2001 -- Sep 11, American Airlines hits Pentagon, Arlington, VA -- 189
3. 1995 -- Apr 19, Terrorism, Alfred P. Murrah Federal bldg. Bombing, Oklahoma City¹¹⁷⁵-168
4. 1910 -- Oct 01, Los Angeles Trade Unionist Dynamiting and Fire, *LA Times*, CA -- 21

¹¹⁷⁵ Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).

Fires, structural**Theaters/Opera Houses subset****By Mortality**

1.	1903 -- Dec 30, Fire, suffocation, trampling, Iroquois Theater, Chicago, IL ¹¹⁷⁶	-- 602
2.	1876 -- Dec 05, Conway Theater Fire, Trampling, Suffocation, Brooklyn, NY ¹¹⁷⁷	--283-300
3.	1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA ¹¹⁷⁸	-- 170
4.	1811 -- Dec 26, Theatre Fire, Richmond, VA	--61-75
5.	1916 -- May 10, Explosion, Fire, Trampling, Theater, Wallaceton, VA	--13-26
6.	1867 -- Jun 19, Fox's American Theater Fire, Philadelphia, PA	--10-15
7.	1892 -- Apr 27, Fire, Gilmore's Central Theater, Philadelphia, PA	-- 14
8.	1941 -- Mar 10, Strand Theater Fire & Roof Collapse, Brockton, MA	-- 13
9.	1896 -- Sep 05, Fire, Yore's Opera House, Benton Harbor, MI	-- 12
10.	1887 -- July 9, Alcazar Theater Fire and town Conflagration, Hurley, WI	--10-11
11.	1901 -- Nov 06, Fire, Klondyke Theater, Harley, WI	-- 10
	1921 -- Nov 27, Fire, Rialto Theatre, New Haven, CT	-- 9

¹¹⁷⁶ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹¹⁷⁷ Cross-listed in Violence-Crushing, Trampling, Suffocation.

¹¹⁷⁸ Cross-listed in Violence-Crushing, Trampling, Suffocation.

Fires, structural**Other****By Mortality**

- | | | |
|----|--|-----------|
| 1. | 1892 -- June 05, Dam Failure and Oil Fire, Titusville, Oil City, PA ¹¹⁷⁹ | -- 350 |
| 2. | 1944 -- July 06, Barnum & Ringling Broth. Circus Fire, Stampede, Hartford, CT | --168-169 |
| 3. | 1936 -- Apr 06, Tornado and Fire, Cooper Pants Factory, Gainesville, GA ¹¹⁸⁰ | --40-70 |
| 4. | 1965 -- Aug 09, Titan II ICBM Silo Fire leading to Suffocation, near Searcy, AR | -- 53 |
| 5. | 1968 -- Apr 05, Gas and Gunpowder Explosion, Fire, Richmond, IN | -- 41 |
| 6. | 1965 -- Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA ¹¹⁸¹ -- | 21 |
| 7. | 1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA ¹¹⁸² | -- ~20 |
| 8. | 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH ¹¹⁸³ | --12-13 |
| 9. | 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM ¹¹⁸⁴ | -- 12 |

¹¹⁷⁹ Cross-listed under Dam Failures

¹¹⁸⁰ Cross-listed in Tornadoes. There were ~203 tornado deaths, including those from this fire. Most probably some of these deaths can be attributed to the destruction of the building. Many, mostly girls and women, had sought safety in the basement, only to be trapped when the building was destroyed and caught fire.

¹¹⁸¹ Cross-listed in Explosions. Seven died the night of the explosion and fire. The others died from burn injuries in hospitals over next several weeks.

¹¹⁸² The number twenty is an approximation in that it is not known how many Frye employees were killed directly by the crash and how many died in the resulting large fire. There were 32-34 fatalities in all (though one source has 41), of which 10 were onboard the XB-29. Cross-listed in Aviation.

¹¹⁸³ Cross listed in Mines Tunnels and Quarries.

¹¹⁸⁴ Cross-listed in Structural Failures and in Explosions. Technically perhaps not a "structural" fire.

FLOODING -- (Except Mine Floods) -- Deadliest American -- By MORTALITY

1. 1889 -- May 31, South Fork Dam failure, flash flood, fire Johnstown, PA¹¹⁸⁵ --2,209-3,188
2. 1861 -- Dec-Jan 1862, flooding, AZ, CA, OR, WA, UT, especially CA and OR -->1,000?
3. 1913 -- Mar 23-27, Ohio Valley flooding, dam/levee failures, esp. OH & IN --593-670
4. 1927 -- Late March-July, flooding, levee breaks upper and esp. lower MS River --246-500
5. 1937 -- Jan 11-Feb 15,¹¹⁸⁶ flooding, OH/MS river valleys, esp. AR/KY/MO/OH/TN --408-467
6. 1928 -- Mar 12-13, St. Francis Dam failure/flood, Santa Clara River valley, CA¹¹⁸⁷ --370-431
7. 1844 -- May-June, flooding, esp. IL, OH, KS, MO, Red, Upper MS and MO Rivers -- 400
8. 1899 -- June 17-July 6, Central/So. Central TX rain/flooding, esp. Brazos Riv., TX --100-284
9. 1903 -- June 14, downpour, flash flood, Willow Creek, Heppner (and area), OR -- ~247
10. 1972 -- June 9-10, downpour/dam failure/flash flood, Black Hills, Rapid City, SD --236-238

11. 1921 -- Sep 08-10, flooding, esp. San Antonio & Milam, Williamson Counties TX -- ≥224
12. 1874 -- July 26, heavy rain, flooding, Allegheny/Pittsburgh, PA --100-220
13. 1844 -- Oct 19, Lower Great Lakes storm & flooding, Lake Erie, Buffalo, NY -- 200
14. 1901 -- June 23, flooding, Elkhorn River, Pocahontas Region, Burke, Keystone, WV -- 200
15. 1912 -- late Mar-May, flooding/levee failures/boats capsized, esp. MS River, esp. LA, MS-- ~200
16. 1936 -- Mar 11-21, flooding, New England -- 200
17. 1913 -- Dec 02-10, Texas floods, Brazos, other valleys, central, east, coastal TX --177-190
18. 1935 -- May 30-June 1, floods, esp. Republican & Kansas Rivers, esp. NE, CO, KS--159-168
19. 1969 -- Aug 19-20, Camille storm, flash flooding, mudslides, esp. Nelson Co., VA -- ~153
20. 1771 -- May 27, flooding, esp. James, Rappahannock Rivers, Richmond & Henrico Co., VA ~150
21. 1862 -- June 4/5, Great Flood of '62, flooding & dam failures, Lehigh River, PA¹¹⁸⁸ -- ~150
22. 1903 -- May 26-June 18, flooding, upper MS, lower MO valleys, IA, KS, MO --100-149
23. 1911 -- Sep 30, Bayliss Dam failure, Freeman Run Valley, Austin, PA¹¹⁸⁹ --78-149
24. 1938 -- Feb 27-Mar 04, storm/flash flooding, esp. LA/62, Orange/45 counties, So. CA-- ≥146
25. 1976 -- July 31, Big Thompson Canyon flash flood, CO -- 144
26. 1874 -- May 16, Mill River Reservoir Dam fails, flash flood, Williamsburg MA --138-139
27. 1892 -- June 05, downpour/mill dam failure/flood/fuel fire, Titusville, Oil City, PA --126-132
28. 1972 -- Feb 26, Buffalo Creek dam failure, Buffalo Creek, WV¹¹⁹⁰ -- 126
29. 1850 -- Sep 02, rain/flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge¹¹⁹¹ 100-120
30. 1921 -- June 02, Arkansas River levee failures, Pueblo County, CO¹¹⁹² -- 120
31. 1972 -- June 18-26, Hurricane/Tropical Storm Agnes and flooding, East Coast --110-114
32. 1927 -- Nov 2-4, New England flooding, dam failures, MA/NH/CN/ME, esp. VT/84--107-109
33. 1969 -- Jan 18-26, storms, flooding, vehicle deaths, Mudslides, Southern CA -- 97-103
34. 1882 -- Aug 23-24, flooding, Concho Rivers, Ben Ficklin & vicinity, TX --65->100
35. 1890 -- Feb 22, dam failure, Walnut Grove, AZ¹¹⁹³ (Cross-listed in Structural Failures) -- 100

¹¹⁸⁵ Cross-listed in Structural Failures -- Dam and Levees

¹¹⁸⁶ Flood waters remained in some localities into March. There were a few flooding deaths in late February. But, the great majority of fatalities noted herein are within Jan 11 and Feb 15, most in a shorter timeframe; includes illness.

¹¹⁸⁷ Cross-listed in Structural Failures -- Dam and Levees

¹¹⁸⁸ Cross-listed in Structural Failures -- Dam and Levees

¹¹⁸⁹ Cross-listed in Structural Failures -- Dam and Levees

¹¹⁹⁰ Cross-listed in Structural Failures -- Dam and Levees

¹¹⁹¹ Cross-listed in Structural Failures in that most of the fatalities were of people in structures which failed.

¹¹⁹² Cross-listed in Structural Failures -- Dam and Levees

36. 1916 -- Aug 9, flash floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV --60-100
 37. 1936 -- Mar 17-20, "St Patrick's Day Floods", esp. Pittsburgh & Johnstown PA -- ~100

FLOODING – Deadliest American -- By MORTALITY -- (continued):

38. 1955 -- Dec 18-27, flooding/levee failure, north & cent. CA, esp. Yuba City; also OR --88-93
 39. 1927 -- May, Kentucky River flood -- 89
 40. 1977 -- July 19-20, dam failures and flash floods, Johnstown & Tanneryville, PA¹¹⁹⁴ -- ~85
 41. 1993 -- May-early Nov, July (especially), Midwest flooding, esp. MS & MO Rivers --72-84
 42. 1889 -- May 31/June 1, flooding, Nittany Valley, North Central PA -- ~ 84
 43. 1908 -- Aug 24-28, flooding, fire, bridge/dam/levee failures NC, SC, GA, VA --46-80
 44. 1939 -- July 04-05, flash flooding, esp. Breathitt/52, Rowan/25, Lewis counties, NE KY-- 79
 45. 1907 -- Mar 13-18, flooding, numerous rivers, Southern OH, Western PA, WV -- ~76
 46. 1985 -- Nov 04-05, flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)¹¹⁹⁵ --71-74
 47. 1903 -- June 06, flash and river flooding, Pacolet River, especially near Pacolet, SC -- 65
 48. 1912 -- July 24, cloudbursts and flooding, PA, and WV -- 60
 49. 1916 -- Jan 14-30, heavy rain, So. CA flooding, Lower Otay dam failure¹¹⁹⁶ --22-60
 50. 1943 -- Apr-June, floods, Midwest river basins, AR/IA/IL/IN/MI/MO/MS/OH/OK --12-60
 51. 1948 -- May 22-June 11, flooding/dike failures, esp. Portland & Vanport, OR/23, Can./11, WA/8--50-55
 52. 1935 -- July 07-11, Mohawk and Upper Susquehanna River flooding, NY & PA -- 52
 53. 1957 -- Apr-June, storms/flooding, south and central states esp. MO/10, OK/10, TX/21-- 52
 54. 1970 -- Oct 05-10, tropical storm, flooding, Puerto Rico --50-52
 55. 1868 -- July 24, rainstorm, flooding, Baltimore and Ellicott City, MD -- 50
 56. 1895 -- July 4-7, Midwest storms and flooding, AR, IA, IL, KS, MO, NE, TX, WI -- ~50
 57. 1897 -- Apr 28, flash flood, Cottonwood River, Guthrie and vicinity, OK --28-50
 58. 1925 -- June 16, flooding, train derail, Rockport Crossing, near Hackettstown, NJ¹¹⁹⁷ -- 50
 59. 1964 -- Dec 21-28, rain/flooding, Pacific NW, esp. no. CA and OR; also so. WA/ID/NV --45-50
 60. 2001 -- June 08, Tropical Storm Allison flooding, TX, LA, FL, NC, VA, PA -- ~ 50
 61. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, SE TX, esp. greater Houston¹¹⁹⁸-- ≥50
 62. 1938 -- June 19, flash flood, bridge fails, train crash, Custer Creek ~Saugus MT¹¹⁹⁹ -- 47
 63. 1915 -- Aug 03, cloudburst, flash flood, drownings, Mill Creek, Erie, PA --29-45
 64. 1933 -- Dec 30-31, Southern California flooding -- 45
 65. 1939 -- Sep 25, El Cordonazo Tropical Storm, Southern CA, flooding subset¹²⁰⁰ -- 45
 66. 1940 -- Aug 13-14, remnant rain/flash floods/slides/debris flows, mts of NC/34 TN/4 VA/5¹²⁰¹-- 43
 67. 1870 -- Sep 30, flooding, Shenandoah River, Virginus Island, Harpers Ferry, WV -- 42
 68. 1876 -- July 04, storm, flash flood, dam failure, Rockdale, IA¹²⁰² --41-42

¹¹⁹³ Cross-listed in Structural Failures -- Dam and Levees

¹¹⁹⁴ Cross-listed in Structural Failures -- Dams and Levees.

¹¹⁹⁵ Cross-listed in Hurricanes. Death toll was 47-48 for WV, 22 for VA, 1 for MD and 1 for PA.

¹¹⁹⁶ Cross-listed in Structural Failures -- Dams and Levees.

¹¹⁹⁷ Cross-listed in Rail.

¹¹⁹⁸ Cross-listed in Hurricanes/Tropical Storms. We generally do not cross-list hurricane flooding deaths unless inland. Given large number of flooding deaths -- at least 50 out of 88 hurricane-related deaths in TX -- we do.

¹¹⁹⁹ Cross-listed in Flash Floods and Structural Failures -- Bridge/Trestles.

¹²⁰⁰ Cross-listed in Hurricanes and Tropical Storms.

¹²⁰¹ Cross-listed in Landslides.

69. 1942 -- May 22/23, flooding, Eastern, Central, Northeastern PA --32-42
 70. 1902 -- Mar 26-30, storm, flooding, AL, KY, MS, especially TN --38-41
 71. 1899 -- May, Brazos River flood, Central and East TX -- 40

FLOODING – Deadliest American -- **By MORTALITY** -- (continued):

72. 1977 -- Nov 06, Kelly Barnes Dam failure and flooding, Toccoa, GA¹²⁰³ -- 39
 73. 2022 -- July 27-28 downpour, flash flooding, eastern KY, esp. Knott/19, Breathitt/8, Perry/7 Cntys--39
 74. 1996 -- Jan 19-20, East Coast flooding, especially PA (19) and NY (10) -- 38
 75. 1916 -- Aug 02-03, cloudburst, Mill Dam fails, flash flood, near New Tazewell, TN¹²⁰⁴-27-38
 76. 1900 -- June 23, cloudburst, trestle washout/train wreck and fire, ~McDonough, GA¹²⁰⁵-- 37
 77. 1980 -- Feb 13-21, storms, flooding, mudslides, central AZ, So.-coastal/Baja, CA, UT-- 37
 78. 1994 -- July 04-10, Tropical Storm Alberto flooding, dam failures, AL, esp. GA¹²⁰⁶ --34-37
 79. 2015 -- May 21-26, storms, heavy rain, flooding and tornadoes, TX and OK --36-37
 80. 1912 -- Sep 02, storms, flooding, PA, OH, WV -- 36
 81. 1997 -- Mar 01-03, flash floods & flooding, esp. Ohio River Valley, esp. KY (21) --33-36
 82. 1915 -- Apr 23, flash flood, Austin, TX -- 35
 83. 1950 -- June 24-25, heavy rain/flash flooding, esp. Smithsburg area (22).central WV --34-35
 84. 1964 -- June 8, rain/Swift & Two Medicine dams fail/flooding, esp. Blackfoot Res., NW MT--34-35
 85. 1882 -- Jan-March, Mississippi River flood -- 34
 86. 1978 -- July 30-Aug 4, Tropical Storm Amelia & remnants, flash flooding, TX¹²⁰⁷ --33-34
 87. 1898 -- Apr 03, levee fails, flash flood, Shawneetown, IL (cross-listed in structural failures)--25-33
 88. 1963 -- Mar 04-19, heavy rain, OH River basin flooding, esp. IN/5 TN/4 VA/6 WV/13--26-33
 89. 1973 -- mid-Mar-May, flooding, Mississippi River Basin/drainage area --28-33
 90. 1959 -- Jan 21-24, heavy rain, flash floods, flooding, OH/17, IN/2-3, PA/3, NY/9 --31-32
 91. 2015 -- Dec 26-28,¹²⁰⁸ flooding (31 drownings), AR (1); IL (9); MO (15); OK (7) -- 32
 92. 1923 -- Sep 27, flooding, bridge washout and train derailment, near Lockett, WY¹²⁰⁹ -- 31
 93. 1993 -- Jan 05-Feb 28, winter storms, heavy rain and flooding, Southern CA¹²¹⁰ -- ≥31
94. 1837 -- June 14-15, thunderstorms, flooding, Jones' falls, Baltimore, MD --24-30
 95. 1873 -- Apr 08-10, flooding, drownings, bldg. collapse, Genesee River, Rochester NY-- 30
 96. 1874 -- Pueblo-area flooding, CO -- 30
 97. 1874 -- July 24, rain, waterspout, flooding, Eureka, NV --20-30
 98. 1896 -- July 24, flash floods, Mt Vernon, Bear and Clear Creek Canyons, CO --29-30
 99. 1888 -- July 18-19, flooding, WV, especially Wheeling --20-30

¹²⁰² Cross-listed in Structural Failures -- Dams Dikes and Levees.

¹²⁰³ Cross-listed in Structural Failures -- Dams, Dikes and Levees.

¹²⁰⁴ Cross-listed in Structural Failures -- Dams, Dikes and Levees.

¹²⁰⁵ Cross-listed in Rail and Structural Failure-Trestle.

¹²⁰⁶ Cross-listed in Hurricanes/Tropical Storms and in Structural Failures--Dams.

¹²⁰⁷ Cross-listed in Hurricanes/Tropical Storms.

¹²⁰⁸ Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.

¹²⁰⁹ Cross-listed in Rail.

¹²¹⁰ We are aware of 39 deaths, at least 31 from drowning; including 15 immigrants in the Tijuana River, seeking to enter U.S. from Mexico. Two were vehicular accidents on rain-slickened roads. Six were generally described as weather-related. One or more could have been from drowning, perhaps involving a vehicle.

FLOODING -- By MORTALITY (continued):

100.	1951 -- July 11-18, storms, flooding, East KS (19), West MO (6), IL (3), OK (1)	--28-29
101.	1998 -- Oct 17-18, flash floods, Central TX	-- 29
102.	1886 -- May 12, flash flood, Shawnee Creek, especially Barr's Bottom, Xenia, OH	-- 28
103.	1914 -- Sep 15, flooding, bridge washout and train derailment, Lebanon, MO ¹²¹¹	-- 28
104.	1970 -- Sep 4-6, heavy rain, flash flooding, Four Corners, AZ (26), CO, NM, UT (2)--	28
105.	2010 -- May 1-2, severe storms, flooding, KY, MS, esp. TN; Tornadoes, MS, TN ¹²¹² --	27
106.	1969 -- July 4, thunderstorms/flooding, strong wind, esp. north-central OH (42 deaths) ¹²¹³ --	26
107.	1978 -- Mar 04-05, flooding and mudslides, Baja CA (Mexico)/23; southern CA, US--	17-26
108.	1990 -- June 14, flash flood, Shadyside and vicinity, OH	-- 26
109.	1892 -- May 18, Floyd River flood, Sioux City, IA	-- 25
110.	1965 -- June 16-17, intense rain/flooding, South Platte & Arkansas River basins, CO/23, KS/2-25	
111.	1966 -- Apr 24, 28-30, May 4, TX flash flooding, esp. northeast, esp. north Dallas TX--	25
112.	1977 -- Sep 12/13, flash flood, "The Plaza Flood," esp. Brush Creek, Kansas City, MO--	25
113.	1900 -- Apr 07, heavy rain, Austin (McDonald) Dam failure/flooding, Austin, TX ¹²¹⁴ --	≥24
114.	1965 -- June 11, flash-flood, Sanderson, TX	-- 24
115.	1995 -- May 5, Th-storm, flash flooding, roof collapse, lightning, Dallas area, TX ¹²¹⁵ --	20-24
116.	1889 -- July 18, flooding, Morristown, Rockport and Parkersburg vicinities, WV	--19-23
117.	1898 -- Mar 22-26, flooding, IN, OH, PA; also IL, MO, WV	--18-23
118.	1903 -- Jul 05, cloudburst, dam failure, flood, Oakford Park (~Pittsburgh), PA ¹²¹⁶	--20-23
119.	1943 -- Aug 4/5, flash flood, Little Kanawha River basin, central WV	-- 23
120.	1950 -- May 8-9, downbursts and flash floods and flooding, Southeast Nebraska	-- 23
121.	2016 -- June 23-24, flash flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV--	23
122.	2022 -- Dec 27-Jan 14, heavy rains/flooding/rockfalls/tree falls/vehicular accidents, CA--	23
123.	1961 -- July 19, downpour and flash flood, Charleston, WV	-- 22
124.	1977 -- Apr 03-08, rain, flooding, West Appalachians, KY/5, TN/7, VA/7, WV/3	-- 22
125.	1994 -- Oct 16-20 and 22, flash flooding/flooding, esp. Southeast TX	--19-22
126.	1907 -- June 07-08, storm, flash flood, Gradyville, KY	-- 21
127.	1937 -- Aug 11, heavy rain, 3 tenement bldgs. collapse, New Brighton, S.I. NY ¹²¹⁷	--19-21
128.	2015 -- Sep 14, flash flood; Hildale & Keyhole Canyon, Zion National Park, UT	-- 21
129.	1850 -- July 18/19, tropical storm, flooding, East-Central PA	-- 20
130.	1877 -- Aug 29, bridge washout, train goes into Little Four Mile Creek, ~Des Moines, IA ¹²¹⁸ --	20
131.	1906 -- Dec 03, fain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ	--18-20
132.	1912 -- Apr 30-May 08, levee-breaks/flooding, esp. Pointe Coupee Parish, LA	--12-20
133.	1954 -- June 25-26, Hurricane Alice hits so. of Brownsville; flash flooding, Ozona, TX/19--	20
134.	1978 -- Feb 10-11, storm/flash floods, esp. Hidden Springs, Big Tujunga Canyon/13, CA--	≥20
135.	2010 -- June 11, flash flood kills campers, Ouachita Mts., Albert Pike Rec. Area, AR--	20

¹²¹¹ Cross-listed in Rail.

¹²¹² There were additionally four tornado deaths and one storm-related natural death. There is reporting on two additional deaths in Mississippi.

¹²¹³ High wind and falling trees accounted for 8 deaths, electrocution from downed wires for 6, lightning/1, injury/1.

¹²¹⁴ Cross-listed in Structural Failure -- Dams, Dikes and Levees.

¹²¹⁵ Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.

¹²¹⁶ Cross-listed in Structural Failure -- Dams, Dikes and Levees.

¹²¹⁷ Cross-listed in Structural Failures.

¹²¹⁸ Cross-listed in Rail. Storm heavy rainfall led to flooding which washed out the train bridge.

136. 2021 -- Aug 21; 15-17 inch rain/24-hrs., flooding, Humphreys County/Waverly, TN-- 20

FLOODING – Deadliest American -- **By MORTALITY** (continued):

137. 1843 -- Aug 05, cloudburst, flash flood, west and southwest of Philadelphia, PA -- 19
138. 1898 -- July 08, cloudburst, flash flood, Steelville and vicinity, MO -- 19
139. 1958 -- July 02-07, heavy rain and flash flooding esp. East Nishnabotna River, IA --18-19
140. 1840 -- Apr 13, downpour/flooding/dams fail, esp. Pocasset Riv. Simmonsville, RI¹²¹⁹-- 18
141. 1891 -- Feb 18-26, heavy rain, flooding, Central Highlands, esp. Clifton, AZ -- 18
142. 1933 -- May 12-15, floods, esp. OH, Wabash, MS Rivers, IA/IL/IN/KY/OH/PA --15-18
143. 1964 -- Mar 04-Apr 01, flooding, Ohio River & tributaries, OH and esp. KY --15-18
144. 1972 -- May 11-12, downpour, flash flooding, So. Central TX esp. New Braunfels TX-- 18
145. 1889 -- July 02, flash flood, washout/train derailment and fire, near Thaxton, VA¹²²⁰-- 17
146. 1908 -- Aug 27-28, cloudburst and flash flood, Folsom, NM -- 17
147. 1982 -- June 04-07, heavy rain & flooding, New England, esp. CT/11-12 & RI/3-5 --14-17
148. 1817 -- Aug 8-9, downpour, flooding, Jones falls area, Baltimore, MD/6, York, PA/10-- 16
149. 1942 -- July 17-18, rainstorms and flooding, North-Central PA & Southern NY -- 16
150. 1947 -- May-July, flooding, rivers in middle West in lower MO/middle MS River basins-- 16
151. 2016 -- May 26-June 02, flash flooding and flooding, esp. Fort Hood (June 2), TX -- 16
152. 1889 -- July 09, storm, flooding, Stone Bridge failure, Johnstown, NY¹²²¹ -- 6-15
153. 1919 -- Dec 11, heavy rain, flooding, GA, AL, MS -- 15
154. 1932 -- Sep 30, flash flood, Tehachapi Creek Basin, Woodford, Kern County, CA -- ≥15
155. 1955 -- Feb 26-Mar 06, heavy rains, Ohio River basin flooding, esp. KY, OH, IN, WV-- 15
156. 1965 -- Apr 06-27, heavy rain, flooding, levee failures, IA, IL, MO, MN/12, WI/3 -- 15
157. 1983 -- Sep 29 to Oct 3, storms, prolonged heavy rain and flooding, AZ¹²²² -- 15
158. 1998 -- Jan 05-07, flash flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7)-- 15
159. 1830 -- July 26, flooding, Middlebury, New Haven and Lincoln, VT -- 14
160. 1884 -- Feb 16, Ohio River flooding, boarding house collapse, Cincinnati OH --10-14
161. 1903 -- July 02, cloudburst/flooding, Beeville, Mineral City, Normania, Pettus, TX' --11-14
162. 1916 -- Jan 18, heavy rain, flooding, Iao Valley, especially Wailuku, Maui, HI --13-14
163. 1953 -- June 08, Floyd River flood, Sioux City, IA -- 14
164. 1957 -- Jan 27-Feb 02, heavy rain/flooding, southeast KY, eastern TN, SW VA, WV --13-14
165. 1971 -- Aug 01, thunderstorm and flooding, metropolitan Baltimore and vicinity, MD-- 14
166. 1984 -- May 26-27, flooding, Tulsa, OK -- 14
167. 1986 -- Feb 11-24, heavy rain, flooding, levee failures, Northern CA, NV¹²²³ -- 14

¹²¹⁹ Cross-listed in Dam Failures.

¹²²⁰ Cross-listed in Rail and in Fire.

¹²²¹ Cross-listed in Structural Failures – Bridges.

¹²²² Not all deaths were due to the flooding -- one was an auto accident on wet road, two were when a US Navy bomber crashed in the storm, and two were when a Public Safety Dept. helicopter crashed in a river during a rescue attempt killing both aboard. Thus ten drowning deaths and five storm and flooding related deaths.

¹²²³ Cross-listed in Structural Failures – Dams, Dikes and Levees.

FLOODING – Deadliest American -- By MORTALITY (continued):

168. 1869 -- Jan 31, dam failures/flood, Upper/Lower Kohanza/Flint, Danbury, CT¹²²⁴ --11-13
 169. 1888 -- Aug, cloudburst, flash flood, near Hot Springs, AR -- 13
 170. 1901 -- Sep 25, cloudburst, flash flood, prospectors drown, Presidio County, TX -- 13
 171. 1903 -- June 9, downpour, Chase Creek/San Francisco Ri. flash flood, Clifton, AZ¹²²⁵-7-13
 172. 1947 -- June 23, flooding, Republican River, Cambridge and Orleans, NE -- 13
 173. 1954 -- Oct 06-7, “heaviest rains in years,” Pecos Valley flooding/flash flooding, NM-- 13
 174. 1977 -- Nov 06-07, heavy rain, flooding, esp. west Appalachian Mts., NC, TN, VA --12-13
 175. 1981 -- May 24, intense rain, flash flood, Austin, TX -- 13
 176. 2016 -- Aug 12-16, flooding, especially East Baton Rouge Parish, Louisiana -- 13
177. 1892 -- July 25, cloudburst, flash flooding, Wheeling and vicinity, WV --10-12
 178. 1899 -- Apr 08, flash flooding, Yellowstone River, especially below Glendive, MT -- 12
 179. 1902 -- May 05, cloudburst, flash flood, Foss, OK -- 9-12
 180. 1910 -- Mar 03, flooding, Colfax, WA -- 12
 181. 1930 -- Nov 18, heavy rain, flooding, Kalihi in Honolulu, Hawaii -- 12
 182. 1949 -- June 17-18, flash flooding, Shenandoah & Potomac Rivers, VA/3, WV/9 --11-12
 183. 1953 -- Apr 27-May 22, heavy rains / flooding, east TX and southwest LA, esp. LA -- 12
 184. 1973 -- May 27-28, severe thunderstorms; flash flooding, Western NC --11-12
 185. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho¹²²⁶11-12
 186. 1984 -- May 06-10, severe storms, flash flooding esp. KY/7, SC/1, TN/3, WV/1 -- 12
 187. 1985 -- Aug 01, supercell thunderstorm and flash flooding, Cheyenne, WY -- 12
 188. 1998 -- Oct 04, flash flooding, Kansas City area (11) and south St. Joseph, MO (1) -- 12
189. 1873 -- Apr 19, train derailment, washed-out bridge, Richmond Switch, RI¹²²⁷ -- 11
 190. 1879 -- June 12, cloudburst, flash flood, Beaver Creek, Deadwood, SD -- 11
 191. 1884 -- May 30, cloudburst, flash flood, cattle camp, Frenchman’s Creek, CO -- 11
 192. 1889 -- May 31-June 2, flooding, District of Columbia; MD (lives lost) -- 8-11
 193. 1909 -- July 07-09, flooding, Missouri Valley, NW MO, KS, SE Neb., western IA -- 11
 194. 1915 -- Oct 16, flash flooding, bridge fails, train derails, Randolph, KS¹²²⁸ -- 11
 195. 1949 -- May 16-17, downpour/flooding, Hico/1, esp. Trinity Riv. at Fort Worth/10, TX--11
 196. 1952 -- Apr, flooding, Red River of North and upper Mississippi-Missouri River basin-- 11
 197. 1960 -- Oct 28, torrential rains, flash flooding, south central TX, esp. Austin area, TX-- 11
 198. 1997 -- Aug 12, flash flood, Antelope Canyon, near Page, AZ -- 11
 199. 2008 -- June 04-12, heavy rain leading to flash flooding and flooding, Midwest -- 11
200. 1890 -- Feb 02, flooding, trestle fails, train cars fall, near Cascade Locks, OR¹²²⁹ -- 9-10

¹²²⁴ Cross-listed in Structural Failures – Dams, Dikes, Levees.

¹²²⁵ These figures represent the varying reports on bodies recovered. News reports on the totality of lives thought to have been lost, mostly poor Mexican miner family members, range from 17 to 75, with many reporting 30-50.

¹²²⁶ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹²²⁷ Cross-listed in Structural Failures – Bridges.

¹²²⁸ Cross-listed in Rail.

¹²²⁹ Cross-listed in Rail and in Structural Failures, Rail Bridges and Trestles.

FLOODING – Deadliest American -- **By MORTALITY** (continued):

201.	1898 -- May 05-11, flooding, esp. Grand, Verdigris, Ark., Canadian Rivers, AR, OK--	≥10
202.	1906 -- Mar 26, flooding, bridge fails under train, near Natrona, WY ¹²³⁰	-- 10
203.	1909 -- May 29, flash floods, Creek and Lincoln Counties, OK	-- 10
204.	1915 -- Aug 20, flooding, St. Louis and vicinity, MO	-- 10
205.	1929 -- July 18, flash flood, bridge down, train wreck, Stratton, CO ¹²³¹	-- 10
206.	1942 -- Dec (late) to first week Jan 1943, flooding, Willamette Valley, Western OR	-- 10
207.	1945 -- Mar 01-08, flooding, Ohio River, IN, KY, OH, PA, WV, esp. OH and KY	-- 10
208.	1960 -- June 23-29, tropical storm remnant heavy rain and local flooding, TX/7, AR/3--	10
209.	1969 -- Jan 20, bulldozer rescue drownings, Sespe Creek, Los Padres Nat. For., CA ¹²³² --	10
210.	1985 -- Apr 27-28, thunderstorms, flash flooding, drownings (9), tornadoes, TX	-- 10
211.	1987 -- Apr 05, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter ¹²³³	NY-10
212.	1987 -- July 17, flash flood, church youth bus & van swept into river ~Comfort, TX ¹²³⁴ --	10
213.	2009 -- Sep 19-22, downpours, flooding, Greater Metropolitan Atlanta, GA	-- 10
214.	2017 -- July 16, flash flood, Verde River, Tonto National Forest, Phoenix north, AZ--	10

Select/Notable Other Flood Events (fewer than ten fatalities)

1996 -- Feb 05-09, heavy rain, flooding, mudslides, Pacific Northwest, esp. western OR	--	9
2013 -- Sep 11-12, flooding, Front Range area in and near Boulder, CO	--	8
1933 -- Dec 20-25, storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID) ¹²³⁵	--	≥7
1964 -- July 30 pm, flash flood/bridge destroyed/car goes into Nazlini Wash ~Chinle, AZ	--	7
1965 -- June 11, heavy rain on heavy snowpack, flash flooding, Sheep Canyon area, UT	--	7
1965 -- July 24, heavy rain and flash flooding, Northeast TN, especially Clinchmore, TN	--	7
1961 -- Sep 17, thunderstorm, flash flooding, Zions Narrows/5; Glen Canyon/1, UT	--	6
1996 -- Dec 26-Jan 3 '97, storms, snow, heavy rain, snowmelt, flooding, CA (5), OR(1) ¹²³⁶ --		6
1890 -- Feb 03-05, flooding, Portland, elsewhere, Willamette, Rogue, coastal rivers, OR	--	≥5
1984 -- Sep 10, flash flood, family truck swept away ~15 miles W of Las Vegas, NV ¹²³⁷	--	5

¹²³⁰ Cross-listed in Rail and in Structural Failures – Bridges/Trestles.

¹²³¹ Cross-listed in Structural Failures (Bridge), and in Rail

¹²³² Subset of Jan 18-26, 1969 south California storms, flooding, and mudslides, noted above, with 97-103 fatalities.

¹²³³ Cross-listed in Structural Failures -- Bridges, and in Road/Highway/Vehicular. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery Co., and ~5½ miles west of Amsterdam, NY, which is 37 miles NW of Albany.

¹²³⁴ Cross-listed under Road/Highway events -- Bus.

¹²³⁵ We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, 6 from slides. In that there were eight deaths for which we have not located the cause, we suspect there were more drowning deaths.

¹²³⁶ A significant flood event, which was a component of winter storms which caused 19 deaths in three states.

¹²³⁷ Cross-listed under Road/Highway events.

FLOODING -- (Except Mine Floods) -- Deadliest American -- CHRONOLOGICAL

1. 1771 -- May 27, flooding, esp. James, Rappahannock Rivers, Richmond & Henrico Co., VA--~150
2. 1817 -- Aug 8-9, downpour, flooding, Jones falls area, Baltimore, MD/6, York, PA/10-- 16
3. 1830 -- July 26, flooding, Middlebury, New Haven and Lincoln, VT -- 14
4. 1837 -- June 14-15, thunderstorms, flooding, Jones' Falls, Baltimore, MD --24-30
5. 1840 -- Apr 13, downpour/flooding/dams fail, esp. Pocasset Ri. Simmonsville, RI¹²³⁸ -- 18
6. 1843 -- Aug 05, cloudburst, flash flood, West and Southwest of Philadelphia, PA -- 19
7. 1844 -- May-June, flooding, esp. IL, OH, KS, MO, Red, Upper MS and MO Rivers -- 400
8. 1844 -- Oct 19, Lower Great Lakes storm and flooding, Lake Erie, Buffalo, NY -- 200
9. 1850 -- July 18-19, tropical storm and flooding, East-Central PA -- 20
10. 1850 -- Sep 2, rain/flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge¹²³⁹-100-120
11. 1861 -- Dec-Jan 1862, flooding, AZ, CA, OR, WA, UT, especially OR and CA -->1,000?
12. 1862 -- June 4/5, Great Flood of '62, flooding & dam failures, Lehigh River, PA¹²⁴⁰ -- ~150
13. 1868 -- July 24, storm flood, Baltimore and Ellicott City, MD -- 50
14. 1869 -- Jan 31, dam failures/flooding, Upper/Lower Kohanza/Flint, Danbury, CT¹²⁴¹ --11-13
15. 1870 -- Sep 30, flooding, Shenandoah River, Virginus Island, Harpers Ferry, WV -- 42
16. 1873 -- Apr 8/10, Flood, Drowning/Bldg. Collapse, Genesee River, Rochester NY -- 30
17. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI¹²⁴² -- 11
18. 1874 -- Pueblo-area Flooding, CO -- 30
19. 1874 -- May 16, Mill River Reservoir Dam Fails, Flash Flood, Williamsburg, MA¹²⁴³ 138-139
20. 1874 -- July 24, Rain, Waterspout, Flooding, Eureka, NV --20-30
21. 1874 -- July 26, Heavy Rain, Flooding, Allegheny/Pittsburgh, PA --100-220
22. 1876 -- July 04, Storm, Flash Flood, Dam Failure, Rockdale, IA¹²⁴⁴ --41-42
23. 1877 -- Aug 29, Bridge washout, Train goes into Little Four Mile Creek, ~Des Moines, IA¹²⁴⁵-- 20
24. 1879 -- June 12, cloudburst, flash flood, Beaver Creek, Deadwood, SD -- 11
25. 1882 -- Jan-Mar, Mississippi River Flood -- 34
26. 1882 -- Aug 23-24, Flooding, Concho Rivers, Ben Ficklin & vicinity, TX --65->100
27. 1884 -- Feb 16, Ohio River Flooding, Boarding House Collapse, Cincinnati OH --10-14
28. 1884 -- May 30, Cloudburst, Flash flood, cattle camp, Frenchman's Creek, CO -- 11
29. 1886 -- May 12, Flash Flood, Shawnee Creek, especially Barr's Bottom, Xenia, OH -- 28
30. 1888 -- July 18-19, Flooding, WV, especially Wheeling --20-30
31. 1888 -- Aug, Cloudburst, Flash Flood, near Hot Springs, AR -- 13

¹²³⁸ Cross-listed in Dam Failures.

¹²³⁹ Cross-listed in Structural Failures in that most of the fatalities were of people in structures which failed.

¹²⁴⁰ Cross-listed in Structural Failures – Dams, Dikes and Levees

¹²⁴¹ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹²⁴² Cross-listed in Structural Failures – Bridges.

¹²⁴³ Cross-listed in Structural Failures – Dams, Dikes and Levees

¹²⁴⁴ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹²⁴⁵ Cross-listed in Rail. Storm heavy rainfall led to flooding which washed out the train bridge.

32. 1889 -- May 31, South Fork Dam fails, flash flood, Fire Johnstown, PA¹²⁴⁶ --2,209
 33. 1889 -- May 31/June 1, Flooding, Nittany Valley, Williamsport & North Central PA -- ~ 84
 34. 1889 -- May 31-June 2, Flooding, District of Columbia; MD (lives lost) -- 8-11
 35. 1889 -- July 02, Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA¹²⁴⁷ -- 17
 36. 1889 -- July 09, Storm, Flooding, Stone Bridge failure, Johnstown, NY¹²⁴⁸ -- 6-15
 37. 1889 -- July 18, Flooding, Morristown, Rockport and Parkersburg vicinities, WV --19-23

FLOODING – Deadliest American -- CHRONOLOGICAL (Cont.)

38. 1890 -- Feb 2, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR¹²⁴⁹ -- 9-10
 1890 -- Feb 3-5, flooding, Portland, elsewhere, Willamette, Rogue, coastal rivers, OR -- ≥5
 39. 1890 -- Feb 22, Dam Failure, Walnut Grove, AZ¹²⁵⁰ -- 100
 40. 1891 -- Feb 18-26, Heavy Rain, Flooding, Central Highlands, esp. Clifton, AZ -- 18
 41. 1892 -- May 18, Floyd River Flood, Sioux City, IA -- 25
 42. 1892 -- June 05, downpour/mill dam failure/flood/fuel fire, Titusville, Oil City, PA --126-132
 43. 1892 -- July 25, cloudburst, flash flooding, Wheeling and vicinity, WV --10-12
 44. 1895 -- July 4-7, Mid-West Storms, Flooding, AR, IA, IL, KS, MO, NE, TX, WI -- ~50
 45. 1896 -- July 24, Flash Floods, Mt Vernon, Bear and Clear Creek Canyons, CO --29-30
 46. 1897 -- Apr 28, Flash Flood, Cottonwood River, Guthrie and vicinity, OK --28-50
 47. 1898 -- Mar 22-26, Flooding, IN, OH, PA; also IL, MO, WV --18-23
 48. 1898 -- Apr 03, Levee Fails, Flash Flood, Shawneetown, IL¹²⁵¹ --25-33
 49. 1898 -- May 5-11, Flooding, esp. Grand, Verdigris, Ark., Canadian Rivers, AR, OK -- ≥10
 50. 1898 -- July 8, Cloudburst, Flash Flood, Steelville and vicinity, MO -- 19
 51. 1899 -- Apr 08, flash flooding, Yellowstone River, esp. below Glendive, MT -- 12
 52. 1899 -- May, Brazos River flood, Central and East TX -- 40
 53. 1899 -- June 17-July 6, Central/So. Central TX rain/flooding, esp. Brazos Riv., TX --100-284
 54. 1900 -- Apr 07, heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX¹²⁵² -- ≥24
 55. 1900 -- June 23, cloudburst, trestle washout/train wreck/fire, near McDonough GA¹²⁵³-- 37
 56. 1901 -- June 23, flooding, Elkhorn River, Pocahontas region, Burke, Keystone, WV -- 200
 57. 1901 -- Sep 25, cloudburst, flash flood, prospectors drown, Presidio County, TX -- 13

¹²⁴⁶ Cross-listed in Structural Failures – Dams, Dikes and Levees

¹²⁴⁷ Cross-listed in Rail and in Fire.

¹²⁴⁸ Cross-listed in Structural Failures – Bridges.

¹²⁴⁹ Cross-listed in Rail and in Structural Failures – Rail Bridges and Trestles.

¹²⁵⁰ Cross-listed in Structural Failures -- Dam and Levees

¹²⁵¹ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹²⁵² Cross-listed in Structural Failures -- Dams, Dikes and Levees.

¹²⁵³ Cross-listed in Rail and in Structural Failures -- Bridges/Trestle.

FLOODING -- (Except Mine Floods) -- Deadliest American -- CHRONOLOGICAL

58. 1902 -- Mar 26-30, storm, flooding, AL, KY, MS, especially TN --38-41
59. 1902 -- May 05, cloudburst, flash flood, Foss, OK -- 9-12
60. 1903 -- May 26-Jun 18, Flooding, upper MS, lower MO valleys, IA, KS, MO --100-149
61. 1903 -- June 6, Flash & River Flooding, Pacolet River, especially ~ Pacolet, SC -- 65
62. 1903 -- June 9, downpour, Chase Creek/San Francisco Riv. flash flood, Clifton, AZ¹²⁵⁴--7-13
63. 1903 -- June 14, Downpour, Flash Flood, Willow Creek, Heppner (and area), OR -- ~247
64. 1903 -- July 2, Cloudburst/Flooding, Beeville, Mineral City, Normania, Pettus, TX --11-14
65. 1903 -- July 5, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA¹²⁵⁵ --20-23
66. 1906 -- Mar 26, Flooding, Bridge Fails Under Train, near Natrona, WY¹²⁵⁶ -- 10
67. 1906 -- Dec 3, Rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ --18-20
68. 1907 -- March 13-18, Flooding, numerous rivers, Southern OH, Western PA, WV -- ~76
69. 1907 -- June 7-8, Storm, Flash Flood, Gradyville, KY -- 21
70. 1908 -- Aug 24-28, Flooding, Fire, Bridge, Dam, Levee Failures NC, SC, GA, VA --46-80
71. 1908 -- Aug 27-28, Cloudburst, Flash Flood, Folsom, NM -- 17
72. 1909 -- May 29, Flash Floods, Creek and Lincoln Counties, OK -- 10
73. 1909 -- July 07-9, Flooding, Missouri Valley, NW MO, KS, SE Neb., western IA -- 11
74. 1910 -- Mar 03, Flooding, Colfax, WA -- 12
75. 1911 -- Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA¹²⁵⁷ --78-149
76. 1912 -- Mar-Apr, Flooding, Miss. River, IL, TN, MS, KY, AR, MO, LA¹²⁵⁸ -- 245
77. 1912 -- Apr 30-May 8, Levee-breaks/flooding, esp. Pointe Coupee Parish, LA --12-20
78. 1912 -- July 24, Cloudbursts, Flooding, PA, and WV -- 60
79. 1912 -- Sep 02, Storms, Flooding, PA, OH, WV -- 36
80. 1913 -- Mar 23-27, Ohio Valley flooding, dam/levee failures, esp. OH & IN --593-670
81. 1913 -- Dec 2-10, Texas Floods, Brazos, Other Valleys, Central, Eastern TX¹²⁵⁹ --177-190
82. 1914 -- Sep 15, Flooding, Bridge Washout & Train Derailment, Lebanon, MO¹²⁶⁰ -- 28

¹²⁵⁴ These figures represent the varying reports on bodies recovered. News reports on the totality of lives thought to have been lost, mostly poor Mexican miner family members, range from 17 to 75, with many reporting 30-50.

¹²⁵⁵ Cross-listed in Structural Failure – Dams, Dikes and Levees.

¹²⁵⁶ Cross-listed in Rail and in Structural Failures – Bridges/Trestles.

¹²⁵⁷ Cross-listed in Structural Failures -- Dam and Levees

¹²⁵⁸ Cross-listed in Structural Failures -- Dam and Levees

¹²⁵⁹ Cross-listed in Structural Failures -- Dam and Levees

¹²⁶⁰ Cross-listed in Rail.

FLOODING -- (Except Mine Floods) -- Deadliest American -- CHRONOLOGICAL

83.	1915 -- Apr 23, flash flood, Austin, TX	-- 35
84.	1915 -- Aug 03, cloudburst, flash flood, drownings, Mill Creek, Erie, PA	--29-45
85.	1915 -- Aug 20, Flooding, St. Louis and vicinity, MO	-- 10
86.	1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS ¹²⁶¹	-- 11
87.	1916 -- Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure ¹²⁶²	--22-60
88.	1916 -- Jan 18, Heavy Rain, Flooding, Iao Valley, especially Wailuki, Maui, HI	--13-14
89.	1916 -- Aug 2-3, Cloudburst, Mill Dam Fails, Flash Flood, ~New Tazewell, TN ¹²⁶³	--27-38
90.	1916 -- Aug 9, Flash Floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV	--60-100
91.	1919 -- Dec 11, Heavy Rain, Flooding, GA, AL, MS	-- 15
92.	1921 -- June 2, Arkansas River Levee Failures, Pueblo County, CO ¹²⁶⁴	-- 120
93.	1921 -- Sep 8-10, Flooding, esp. San Antonio & Milam, Williamson Counties TX	-- ≥224
94.	1923 -- Sep 27, Flooding, Bridge Washout/Train Derails, near Lockett, WY ¹²⁶⁵	-- 31
95.	1925 -- June 16, Train Derails, Rockport Crossing, near Hackettstown, NJ ¹²⁶⁶	-- 50
96.	1927 -- Late March-July, flooding, levee breaks upper and esp. lower MS River	--246-500
97.	1927 -- May, Kentucky River Flood	-- 89
98.	1927 -- Nov 2-4, New England flooding, dam failures, MA/NH/CN/ME, esp. VT/84	--107-109
99.	1928 -- Mar 12-13, St. Francis Dam failure/flood, Santa Clara Riv. valley, CA ¹²⁶⁷	--370-431
100.	1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO ¹²⁶⁸	-- 10
101.	1930 -- Nov 18, Heavy Rain, Flooding, Kalihi in Honolulu, Hawaii	-- 12
102.	1932 -- Sep 30, Flash Flood, Tehachapi Creek Basin, Woodford, Kern County, CA	-- ≥15
103.	1933 -- May 12-15, Floods, esp. OH, Wabash, MS Rivs., IA/IL/IN/KY/OH/PA	--15-18
	1933 -- Dec 20-25, Storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID) ¹²⁶⁹	-- ≥7
104.	1933 -- Dec 30-31, Southern California Flooding	-- 45
105.	1935 -- May 30-June 1, Floods, esp. Republican/Kansas Rivers, esp. NE, CO, KS	--159-168
106.	1935 -- July 7-11, Mohawk & Upper Susquehanna River Flooding, NY & PA	-- 52
107.	1936 -- Mar 11-21, Flooding, New England	-- 200
108.	1936 -- Mar 17-20, "St Patrick's Day Floods", esp. Pittsburgh & Johnstown PA	-- ~100
109.	1937 -- Jan 11-Feb 15, ¹²⁷⁰ Flooding, OH/MS river valleys, esp. AR/KY/MO/OH/TN	408-467
110.	1937 -- Aug 11, heavy rain, tenement bldgs. collapse, New Brighton, Staten Isl., NY	--19-21

¹²⁶¹ Cross-listed in Rail.

¹²⁶² Cross-listed in Structural Failures, Dams and Levees.

¹²⁶³ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹²⁶⁴ Cross-listed in Structural Failures -- Dam and Levees

¹²⁶⁵ Cross-listed in Rail.

¹²⁶⁶ Cross-listed in Rail

¹²⁶⁷ Cross-listed in Structural Failures -- Dam and Levees.

¹²⁶⁸ Cross-listed in Structural Failures (Bridge), and in Rail

¹²⁶⁹ We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, 6 from slides. In that there were eight deaths for which we have not located the cause, we suspect there were more drowning deaths.

¹²⁷⁰ Flood waters remained in some localities into March. Were a few flooding deaths in late February. But, the great majority of fatalities noted herein are within Jan 11 and Feb 15, most in a shorter timeframe; includes illness.

111. 1938 -- Feb 27-Mar 4, storm/flash flooding, esp. LA/62, Orange/45 counties, So. CA--≥146
 112. 1938 -- June 19, flash flood, bridge fails, train crash, Custer Creek, MT¹²⁷¹ --46-47
 113. 1939 -- July 04-5, flash flooding, esp. Breathitt/52, Rowan/25, Lewis counties, NE KY-- 79
 114. 1939 -- Sep 25, El Cordonazo Tropical Storm, Southern CA, flooding subset¹²⁷² -- 45

FLOODING -- (Except Mine Floods) -- Deadliest American -- CHRONOLOGICAL

115. 1942 -- May 22/23, flooding, Eastern, Central, Northeastern PA --32-42
 116. 1942 -- July 17-18, rainstorms and flooding, North-Central PA & Southern NY -- 16
 117. 1942 -- Dec (late) to first week Jan 1943, flooding, Willamette Valley, Western OR -- 10
 118. 1943 -- Apr-June, floods, Midwest River Basin, AR/IA/IL/IN/MI/MO/MS/OH/OK --12-60
 119. 1943 -- Aug 4/5, flash flood, Little Kanawha River Basin, central WV -- 23
 120. 1945 -- Mar 01-08, flooding, Ohio River, IN, KY, OH, PA, WV, esp. OH and KY -- 10
 121. 1947 -- May-July, flooding, rivers in middle West in lower MO/middle MS River basins-- 16
 122. 1947 -- June 23, flash flooding, Republican River, Cambridge to Orleans, NE -- 13
 123. 1948 -- May 22-June 11, flooding/dike failures, esp. Portland & Vanport, OR/23, Can./11, WA/8--50-55
 124. 1949 -- May 16-17, downpour/flooding, Hico/1, esp. Trinity Riv. at Fort Worth/10, TX--11
 125. 1949 -- June 17-18, flash flooding, Shenandoah & Potomac Rivers, VA/3, WV/9 --11-12
126. 1950 -- May 08-09, downbursts and flash floods and flooding, Southeast Nebraska -- 23
 127. 1950 -- June 24-25, heavy rain/flash flooding, esp. Smithsburg area (22).central WV --34-35
 128. 1951 -- July 11-18, storms and flooding, East KS (19), West MO (6), IL (3), OK (1)--28-29
 129. 1952 -- Apr, flooding, Red River of North and upper Mississippi-Missouri River basin-- 11
 130. 1953 -- Apr 27-May 22, heavy rains / flooding, east TX and southwest LA, esp. LA -- 12
 131. 1953 -- June 08, Floyd River Flood, Sioux City, IA -- 14
 132. 1954 -- June 25-26, Hurricane Alice hits so. of Brownsville; flash flooding, Ozona, TX/19--20
 133. 1954 -- Oct 06-7, "heaviest rains in years," Pecos Valley flooding/flash flooding, NM-- 13
 134. 1955 -- Feb 26-Mar 06, heavy rains, Ohio River basin flooding, esp. KY, OH, IN, WV-- 15
 135. 1955 -- Dec 18-27, flooding/levee failure, north & cent. CA, esp. Yuba City; also OR--88-93
 136. 1957 -- Jan 27-Feb 2, heavy rain/flooding, southeast KY, eastern TN, SW VA, WV --13-14
 137. 1957 -- Apr-June, storms/flooding, south and central states esp. MO/10 OK/10 TX/21-- 52
 138. 1958 -- July 02-07, heavy rain and flash flooding esp. East Nishnabotna River, IA --18-19
 139. 1959 -- Jan 21-24, heavy rain, flash floods, flooding, OH/17, IN/2-3, PA/3, NY/9 --31-32
140. 1960 -- June 23-29, tropical storm remnant heavy rain and local flooding, TX/7, AR/3-- 10
 141. 1960 -- Oct 28, torrential rains, flash flooding, south central TX, esp. Austin area, TX-- 11
 142. 1961 -- July 19, downpour and flash flood, Charleston, WV -- 22
 1961 -- Sep 17, thunderstorm, flash flooding, Zions Narrows/5; Glen Canyon/1, UT -- 6
 143. 1963 -- Mar 4-19, heavy rain, OH River basin flooding, esp. IN/5 TN/4 VA/6 WV/13--26-33
 144. 1964 -- Mar 04-Apr 01, flooding, Ohio River & tributaries, OH and esp. KY --15-18
 145. 1964 -- June 8, rain/Swift & Two Medicine dams fail/flooding, esp. Blackfeet Res., NW MT--34-35
 1964 -- July 30 pm, flash flood/bridge destroyed/car goes into Nazlini Wash ~Chinle, AZ-- 7
 146. 1964 -- Dec 21-28, rain/flooding, Pacific NW, esp. no. CA and OR; also so. WA/ID/NV --45-50
 147. 1965 -- Apr 06-27, heavy rain, flooding, levee failures, IA, IL, MO, MN/12, WI/3 -- 15

¹²⁷¹ Cross-listed in Flash Floods and Structural Failures (Bridge/Trestles).

¹²⁷² Cross-listed in Hurricanes and Tropical Storms.

- 1965 -- June 11, heavy rain on heavy snowpack, flash flooding, Sheep Canyon area, UT-- 7
 148. 1965 -- June 11, flash-flood, Sanderson, TX -- 24
 149. 1965 -- June 16-17, intense rain/flooding, South Platte & Arkansas River basins, CO/23, KS/2-25
 1965 -- July 24, heavy rain and flash flooding, Northeast TN, especially Clinchmore, TN--7
 1966 -- Apr 24, 28-30, May 4, TX flash flooding, esp. northeast, esp. north Dallas TX-- 25
 150. 1969 -- Jan 18-26, storms, flooding, vehicle deaths, mudslides, Southern CA -- 97-103
 151. 1969 -- Jan 20, bulldozer rescue drownings, Sespe Creek, Los Padres Nat. For., CA¹²⁷³--10
 152. 1969 -- July 04, thunderstorms/flooding, strong wind, esp. north-central OH (42 deaths)¹²⁷⁴-26
 153. 1969 -- Aug 19-20, Camille storm, flash flooding, mudslides, esp. Nelson Co., VA -- ~153

FLOODING -- (Except Mine Floods) -- CHRONOLOGICAL

154. 1970 -- Sep 4-6, heavy rain, flash flooding, Four Corners, AZ (26), CO, NM, UT (2)-- 28
 155. 1970 -- Oct 05-10, tropical storm, flooding, Puerto Rico --50-52
 156. 1971 -- Aug 01, thunderstorm and flooding, metropolitan Baltimore and vicinity, MD-- 14
 157. 1972 -- Feb 26, dam failure, Buffalo Creek, WV¹²⁷⁵ -- 126
 158. 1972 -- May 11-12, downpour, flash flooding, New Braunfels and vicinity, TX -- 18
 159. 1972 -- June 09-10, downpour/dam failure/flash flood, Black Hills, Rapid City, SD--236-238
 160. 1972 -- June 18-26, Hurricane/Tropical Storm Agnes and flooding, East Coast --110-114
 161. 1973 -- Mid-Mar-May, flooding, Mississippi River Basin/drainage area --28-33
 162. 1973 -- May 27-28, severe thunderstorms; flash flooding, Western NC --11-12
 163. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho¹²⁷⁶11-12
 164. 1976 -- July 31, Big Thompson Canyon flash flood, CO -- 144
 165. 1977 -- Apr 03-8 rain, flooding, West Appalachians, KY/5, TN/7, VA/7, WV/3 -- 22
 166. 1977 -- July 19-20, dam failures, flash floods, Johnstown & Tanneryville, PA¹²⁷⁷ -- ~85
 167. 1977 -- Sep 12/13, flash flood, "The Plaza Flood," esp. Brush Creek, Kansas City, MO-- 25
 168. 1977 -- Nov 06-07, heavy rain, flooding, esp. west Appalachian Mts., NC, TN, VA --12-13
 169. 1977 -- Nov 06, dam failure and flash flood, Kelly Barnes Dam, Toccoa, GA¹²⁷⁸ -- 39
 170. 1978 -- Feb 10-11, storm/flash floods, esp. Hidden Springs, Big Tujunga Canyon/13, CA- >20
 171. 1978 -- Mar 04-05, flooding and mudslides, Baja CA (Mexico)/23; southern CA/US--17-26
 172. 1978 -- July 30-Aug 4, Tropical Storm Amelia & remnants, flash flooding, TX¹²⁷⁹ --33-34
 173. 1980 -- Feb 13-21, storms, flooding, mudslides, central AZ, So.-coastal/Baja, CA, UT-- 37
 174. 1981 -- May 24, intense rain, flash flood, Austin, TX -- 13
 175. 1982 -- June 04-07, heavy rain, flooding, New England, esp. CT/11-12 & RI/3-5 --14-17
 176. 1983 -- Sep 29 to Oct 03, storms, prolonged heavy rain and flooding, AZ¹²⁸⁰ -- 15
 177. 1984 -- May 06-10, severe storms, flash flooding esp. KY/7, SC/1, TN/3, WV/1 -- 12

¹²⁷³ Subset of Jan 18-26, 1969 south California storms, flooding, and mudslides, noted above, with 97-103 fatalities.

¹²⁷⁴ High wind and falling trees accounted for 8 deaths, electrocution from downed wires for 6, lightning/1, injury/1.

¹²⁷⁵ Cross-listed in Structural Failures -- Dam and Levees.

¹²⁷⁶ Cross-listed in Structural Failures -- Dams, Dikes and Levees.

¹²⁷⁷ Cross-listed in Structural Failures -- Dams Dikes and Levees.

¹²⁷⁸ Cross-listed in Structural Failures -- Dams, Dikes and Levees.

¹²⁷⁹ Cross-listed in Hurricanes/Tropical Storms.

¹²⁸⁰ Not all deaths were due to the flooding -- one was an auto accident on wet road, two were when a US Navy bomber crashed in the storm, and two were when a Public Safety Dept. helicopter crashed in a river during a rescue attempt killing both aboard. Thus ten drowning deaths and five storm and flooding related deaths.

178. 1984 -- May 26-27, flooding, Tulsa, OK -- 14
 1984 -- Sep 10, flash flood, family truck swept away ~15 miles W of Las Vegas, NV-- 5
 179. 1985 -- Apr 27-28, thunderstorms, flash flooding, drownings (9), Tornadoes, TX -- 10
 180. 1985 -- Aug 01, supercell thunderstorm and flash flooding, Cheyenne, WY -- 12
 181. 1985 -- Nov 4-5, flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)¹²⁸¹--71-74
 182. 1986 -- Feb 11-24, heavy rain, flooding, levee failures, Northern CA, NV¹²⁸² -- 14
 183. 1987 -- Apr 5, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter¹²⁸³ NY-- 10
 184. 1987 -- July 17, flash flood, church youth bus & van swept into river ~Comfort, TX¹²⁸⁴-- 10

FLOODING – Chronological (continued)

185. 1990 -- June 14, flash flood, Shadyside and vicinity, OH -- 26
 186. 1993 -- Jan 05-Feb 28, winter storms, heavy rain and flooding, Southern CA¹²⁸⁵ -- ≥31
 187. 1993 -- May-early Nov, July (especially), Midwest Flooding, esp. MS & MO Rivers-72-84
 188. 1994 -- July 04-10, Tropical Storm Alberto flooding, dam failures, AL, esp. GA¹²⁸⁶ --34-37
 189. 1994 -- Oct 16-20 and 22, flash flooding/flooding, esp. Southeast TX --19-22
 190. 1995 -- May 5, Th-storm, flash flooding, roof collapse, lightning, Dallas area, TX¹²⁸⁷ --20-24
 191. 1996 -- Jan 19-20, East Coast flooding, especially PA (19) and NY (10) -- 38
 1996 -- Feb 05-09, heavy rain, flooding, mudslides, Pacific Northwest, esp. western OR-- 9
 1996 -- Dec 26-Jan 3 '97, storms, snow, heavy rain, snowmelt, flooding, CA/5, OR/1¹²⁸⁸- 6
 192. 1997 -- Mar 01-03, flash floods & flooding, esp. Ohio River Valley, esp. KY (21) --33-36
 193. 1997 -- Aug 12, flash flood, Antelope Canyon, near Page, AZ -- 11
 194. 1998 -- Jan 05-07, flash Flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7)-- 15
 195. 1998 -- Oct 04, flash flooding, Kansas City area (11) and south St. Joseph, MO (1) -- 12
 196. 1998 -- Oct 17-18, flash floods, Central TX -- 29

 197. 2001 -- June 08, Tropical Storm Allison flooding, TX, LA, FL, NC, VA, PA -- ~ 50
 198. 2008 -- June 04-12, heavy rain leading to flash flooding and flooding, Midwest -- 11
 199. 2009 -- Sep 19-22, downpours, flooding, Greater Metropolitan Atlanta, GA -- 10

 200. 2010 -- May 01-2, severe storms, flooding, KY, MS, esp. TN; Tornadoes, MS, TN¹²⁸⁹-- 27
 201. 2010 -- June 11, flash flood kills campers, Ouachita Mts., Albert Pike Rec. Area, AR-- 20
 2013 -- Sep 11-12, flooding, Front Range area in and near Boulder, CO -- 8
 202. 2015 -- May 21-26, storms, heavy rain, flooding and tornadoes, TX and OK --36-37

¹²⁸¹ Cross-listed in Hurricanes.

¹²⁸² Cross-listed in Structural Failures – Dams Dikes and Levees.

¹²⁸³ Cross-listed in Structural Failures -- Bridges, and in Road/Highway/Vehicular. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery County.

¹²⁸⁴ Cross-listed under Road/Highway Events -- Bus.

¹²⁸⁵ We are aware of 39 deaths, at least 31 from drowning; 15 of which were of immigrants seeking to enter U.S. from Mexico, drowning in the Tijuana River. Two were vehicular accidents on rain-slickened roads. Six were generally described as weather-related. One or more could have been from drowning, perhaps involving a vehicle. Cross-listed in winter Storms.

¹²⁸⁶ Cross-listed in Hurricanes/Tropical Storms and in Structural Failures--Dams.

¹²⁸⁷ Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.

¹²⁸⁸ A significant flood event, which was a component of winter storms which caused 19 deaths in three states.

¹²⁸⁹ There were additionally four tornado deaths and one storm-related natural causes death. There is reporting on two additional deaths in Mississippi.

- 203. 2015 -- Sep 14, flash flood; Hildale & Keyhole Canyon, Zion National Park, UT -- 21
- 204. 2015 -- Dec 26-28,¹²⁹⁰ flooding (31 drownings), AR (1); IL (9); MO (15); OK (7) -- 32
- 205. 2016 -- May 26-June 2, flash flooding/flooding, esp. Fort Hood (June 2), TX -- 16
- 206. 2016 -- June 23-24, flash flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV-- 23
- 207. 2016 -- Aug 12-16, flooding, especially East Baton Rouge Parish, Louisiana -- 13
- 208. 2017 -- July 16, flash flood, Verde River, Tonto National Forest, Phoenix north, AZ-- 10
- 209. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, SE TX, esp. greater Houston¹²⁹¹≥50

FLOODING – Chronological (continued):

- 210. 2021 -- Aug 21; 15-17 inch rain/24-hrs., flooding, Humphreys County/Waverly, TN-- 20
- 211. 2022 -- July 27-28 downpour, flash flooding, eastern KY, esp. Knott/19, Breathitt/8, Perry/7 Co's--39
- 212. 2022 -- Dec 27-Jan 14, heavy rains/flooding/rockfalls/tree falls/vehicular accidents, CA-- 23
- 213.

¹²⁹⁰ Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.

¹²⁹¹ Cross-listed in Hurricanes/Tropical Storms. Generally do not cross-list hurricane flooding deaths unless in-land.
Given large number of flooding deaths, however -- at least 50 out of 88 hurricane-related deaths in TX, we do.

Flooding Subset -- FLASH FLOODS -- Deadliest American -- By MORTALITY

1. 1889 -- May 31, South Fork dam failure, flash flood, fire Johnstown, PA¹²⁹² --2,209
2. 1903 -- June 14, Downpour, Flash Flood, Willow Creek, Heppner (and area), OR -- ~247
3. 1972 -- June 9, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD¹²⁹³ --236-238
4. 1874 -- July 26, Heavy Rain, Flooding, Allegheny/Pittsburgh, PA --100-220
5. 1901 -- June 23, Flooding, Elkhorn River, Pocahontas region, Burke, Keystone, WV -- 200
6. 1969 -- Aug 19-20, Camille storm, flash flooding, mudslides, esp. Nelson Co., VA -- ~153
7. 1938 -- Feb 27-Mar 4, storm/flash flooding, esp. LA/62, Orange/45 counties, So. CA -- ≥146
8. 1976 -- July 31, Big Thompson Canyon Flash Flood, CO -- 144
9. 1874 -- May 16, Mill River Reservoir Dam Fails, flash flood, Williamsburg, MA¹²⁹⁴-138-139
10. 1892 -- June 05, downpour/mill dam failure/flood/fuel fire, Titusville, Oil City, PA --126-132

11. 1927 -- Nov 2-4, New England flooding, dam failures, MA/NH/CN/ME, esp. VT/84--107-109
12. 1882 -- Aug 23-24, flooding, Concho Rivers, Ben Ficklin & vicinity, TX --65->100
13. 1916 -- Aug 9, flash floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV --60-100
14. 1939 -- July 4-5, flash flooding, esp. Breathitt/52, Rowan/25, Lewis counties, NE KY -- 79
15. 1903 -- June 6, flash & river flooding, Pacolet River, especially near Pacolet, SC -- 65
16. 1897 -- Apr 28, flash flood, Cottonwood River, Guthrie and vicinity, OK --28-50
17. 1925 -- June 16, flooding, train derails, Rockport Crossing, near Hackettstown, NJ¹²⁹⁵ -- 50
18. 1938 -- June 19, flash flood, bridge fails, train crash, Miles City, MT¹²⁹⁶ -- 47
19. 1938 -- June 19, flash flood washes out train tracks, Custer Creek, MT¹²⁹⁷ -- 46
20. 1915 -- Aug 03, cloudburst, flash flood, drownings, Mill Creek, Erie, PA --29-45
21. 1940 -- Aug 13-14, remnant rain/flash floods/slides/debris flows, mts of NC/34 TN/4 VA/5¹²⁹⁸-- 43
22. 1876 -- July 04, storm, flash flood, dam failure, Rockdale, IA --41-42
23. 1889 -- July 02, flash flood, track washout/train derailment, fire, near Thaxton, VA¹²⁹⁹-- 41
24. 1977 -- Nov 06, heavy rain, Kelly Barnes Dam failure, Toccoa falls Bible College, GA-- 39
25. 2022 -- July 27-28 downpour, flash flooding, eastern KY, esp. Knott/19, Breathitt/8, Perry/7 Cp's-- 39
26. 1916 -- Aug 2-3, cloudburst, Mill Dam fails, flash flood, ~New Tazewell, TN¹³⁰⁰ --27-38
27. 1915 -- Apr 23, flash flood, Austin, TX -- 35
28. 1950 -- June 24-25, heavy rain/flash flooding, esp. Smithsburg area (22).central WV --34-35
29. 1964 -- June 8, rain/Swift & Two Medicine dams fail/flooding, esp. Blackfeet Res., NW MT--34-35
30. 1898 -- Apr 03, levee fails, flash flood, Shawneetown, IL¹³⁰¹ --25-33
31. 1978 -- Aug 02, flooding, flash-floods, Southeast TX -- 33
32. 2015 -- Dec 26-28,¹³⁰² flooding (31 drownings), AR (1); IL (9); MO (15); OK (7) -- 32
33. 1896 -- July 24, flash floods, Mt Vernon, Bear and Clear Creek Canyons, CO --29-30

¹²⁹² Cross-listed in Structural Failures – Dams and Levees

¹²⁹³ Cross-listed in Structural Failures -- Dams and Levees

¹²⁹⁴ Cross-listed in Structural Failures -- Dams and Levees

¹²⁹⁵ Cross-listed in Rail

¹²⁹⁶ Cross-listed in Rail and in Structural Failures (Bridge/Trestles).

¹²⁹⁷ Cross-listed in Rail

¹²⁹⁸ Cross-listed in Landslides.

¹²⁹⁹ Cross-listed in Rail.

¹³⁰⁰ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹³⁰¹ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹³⁰² Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.

Flooding Subset – FLASH FLOODS – By Mortality – continued:

34. 1998 -- Oct 17-18, flash floods, Central TX	--	29
35. 1886 -- May 12, flash flood, Shawnee Creek, especially Barr's Bottom, Xenia, OH	--	28
36. 1970 -- Sep 4-6, heavy rain, flash flooding, Four Corners, AZ (26), CO, NM, UT (2)	--	28
37. 1965 -- June 11, intense rain west of Sanderson, flash-flood (dawn), Sanderson, TX	--	26
38. 1969 -- July 04, thunderstorms/flooding, strong wind, esp. north-central OH (42 deaths) ¹³⁰³	--	26
39. 1990 -- June 14, flash flood, Shadyside and vicinity, OH	--	26
40. 1965 -- June 16-17, intense rain/flooding, South Platte & Arkansas River basins, CO/23, KS/2-		25
41. 1966 -- Apr 24, 28-30, May 4, TX flash flooding, esp. northeast, esp. north Dallas, TX--		25
42. 1977 -- Sep 12/13, flash flood, "The Plaza Flood," esp. Brush Creek, Kansas City, MO--		25
43. 1995 -- May 5, thunderstorm/flash flooding/roof collapse/lightning, Dallas area, TX ¹³⁰⁴ --		20-24
44. 1889 -- July 18, flooding, Morristown, Rockport and Parkersburg vicinities, WV	--	19-23
45. 1903 -- July 05, cloudburst, dam failure, flood, Oakford Park (~Pittsburgh), PA ¹³⁰⁵	--	20-23
46. 1943 -- Aug 04/05, flash flood, Little Kanawha River basin, central WV	--	23
47. 1950 -- May 08-09, downbursts and flash floods and flooding, Southeast Nebraska	--	23
48. 2016 -- June 23-24, flash flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV--		23
49. 1961 -- July 19, downpour and flash flood, Charleston, WV	--	22
50. 1994 -- Oct 16-20 and 22, flash flooding/flooding, esp. Southeast TX	--	19-22
51. 1907 -- June 07-08, storm, flash flood, Gradyville, KY	--	21
52. 1935 -- May 30, downbursts and flash floods, CO	--	21
53. 2015 -- Sep 14, flash flood; Hildale & Keyhole Canyon, Zion National Park, UT	--	21
54. 1906 -- Dec 03, rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ	--	18-20
55. 1954 -- June 25-26, Hurricane Alice hits so. of Brownsville; flash flooding, Ozona, TX/19--		20
56. 1978 -- Feb 10-11, storm/flash floods, esp. Hidden Springs, Big Tujunga Canyon/13, CA--		≥20
57. 2010 -- June 11, flash flood kills campers, Ouachita Mts., Albert Pike Rec. Area, AR	--	20
58. 2021 -- Aug 21; 15-17 inch rain/24-hrs., flooding, Humphreys County/Waverly, TN	--	20
59. 1843 -- Aug 05, cloudburst, flash flood, West, Southwest of Philadelphia, PA	--	19
60. 1898 -- July 08, cloudburst, flash flood, Steelville and vicinity, MO	--	19
61. 1972 -- May 11-12, downpour, flash flooding, New Braunfels and vicinity, TX	--	18
62. 1908 -- Aug 27-28, cloudburst, flash flood, Folsom, NM	--	17
63. 1995 -- May 05, hail storm and flash flood hits Dallas, TX	--	17
64. 1817 -- Aug 08-9, downpour, flooding, Jones falls area, Baltimore, MD/6, York, PA/10--		16
65. 1942 -- July 17-18, rainstorms and flooding, North-Central PA & Southern NY	--	16
66. 2016 -- May 26-June 2, flash flooding/flooding, esp. Fort Hood (June 2), TX	--	16
67. 1932 -- Sep 30, flash flood, Tehachapi Creek Basin, Woodford, Kern County, CA	--	≥15
68. 1998 -- Jan 5-7, flash flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7)	--	15
69. 1903 -- July 02, cloudburst/flooding, Beeville, Mineral City, Normania, Pettus, TX	--	11-14
70. 1971 -- Aug 01, thunderstorm and flooding, metropolitan Baltimore and vicinity, MD	--	14
71. 1869 -- Jan 31, dam failures/flood, Upper/Lower Kohanza/Flint, Danbury, CT ¹³⁰⁶	--	11-13

¹³⁰³ High wind and falling trees accounted for 8 deaths, electrocution from downed wires for 6, lightning/1, injury/1.

¹³⁰⁴ Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.

¹³⁰⁵ Cross-listed in Structural Failure – Dams, Dikes and Levees.

¹³⁰⁶ Cross-listed in Structural Failures – Dams, Dikes, Levees.

72. 1888 -- Aug, cloudburst, flash flood, near Hot Springs, AR	--	13
73. 1901 -- Sep 25, cloudburst, flash flood, prospectors drown, Presidio County, TX	--	13
74. 1903 -- June 9, downpour, Chase Creek/San Francisco Riv. flash flood, Clifton, AZ ¹³⁰⁷	--7-13	
75. 1947 -- June 23, flash flooding, Cambridge to Orleans, NE	--	13
76. 1954 -- Oct 06-7, "heaviest rains in years," Pecos Valley flooding/flash flooding, NM	--	13
77. 1972 -- June 19-22, flash flooding from Hurricane Agnes, VA ¹³⁰⁸	--	13
78. 1977 -- Nov 06-07, heavy rain, flooding, esp. west Appalachian Mts., NC, TN, VA	--12-13	
79. 1981 -- May 24, intense rain, flash flood, Austin, TX	--	13

Flash Flooding – by Mortality (continued)

80. 1888 -- Aug 22, remnant of Gulf Coast hurricane, flash flooding, MD	--	12
81. 1892 -- July 25, cloudburst, flash flooding, Wheeling and vicinity, WV	--10-12	
82. 1899 -- Apr 08, flash flooding, Yellowstone River, especially below Glendive, MT	--	12
83. 1902 -- May 05, cloudburst, flash flood, Foss, OK	--	9-12
84. 1949 -- June 17-18, flash flooding, Shenandoah & Potomac Rivers, VA/3, WV/9	--11-12	
85. 1973 -- May 27-28, severe thunderstorms; flash flooding, Western NC	--11-12	
86. 1985 -- Aug 01, supercell thunderstorm and flash flooding, Cheyenne, WY	--	12
87. 1998 -- Oct 04, flash flooding, Kansas City area (11) and south St. Joseph, MO (1)	--	12
88. 1873 -- Apr 19, train derailment due to washed-out bridge, Richmond Switch, RI ¹³⁰⁹	--	11
89. 1879 -- June 12, cloudburst, flash flood, Beaver Creek, Deadwood, SD	--	11
90. 1884 -- May 30, cloudburst, flash flood, cattle camp, Frenchman's Creek, CO	--	11
91. 1915 -- Oct 16, flash flooding, bridge fails, train derails, Randolph, KS ¹³¹⁰	--	11
92. 1960 -- Oct 28, torrential rains, flash flooding, south central TX, esp. Austin area, TX	--	11
93. 1997 -- Aug 12, flash flood, Antelope Canyon, near Page, AZ	--	11
94. 2008 -- June 04-12, heavy rain leading to flash flooding and flooding, Midwest	--	11
95. 1909 -- May 29, flash floods, Creek and Lincoln Counties, OK	--	10
96. 1929 -- July 18, flash flood, bridge down, train wreck, Stratton, CO ¹³¹¹	--	10
97. 1987 -- July 17, flash flood, church youth bus & van swept into river ~Comfort, TX ¹³¹²	--	10
98. 2017 -- July 16, flash flood, Verde River, Tonto National Forest, Phoenix north, AZ	--	10

Select Other (less than 10 fatalities)

1985 -- Apr 27-28, thunderstorms, flash flooding, drownings (9), tornadoes (1), TX	--	9
2013 -- Sep 11-12, flooding, Front Range area in and near Boulder, CO	--	8
1964 -- July 30 pm, flash flood/bridge destroyed/car goes into Nazlini Wash near Chinle, AZ	--	7
1965 -- June 11, heavy rain on heavy snowpack, flash flooding, Sheep Canyon area, UT	--	7
1965 -- July 24, heavy rain and flash flooding, Northeast TN, especially Clinchmore, TN	--	7

¹³⁰⁷ These figures represent the varying reports on bodies recovered. News reports on the totality of lives thought to have been lost, mostly poor Mexican miner family members, range from 17 to 75, with many reporting 30-50.

¹³⁰⁸ A subset of 129 total U.S. fatalities attributed to Hurricane Agnes.

¹³⁰⁹ Cross-listed in Bridge Failures and in Rail

¹³¹⁰ Cross-listed in Rail

¹³¹¹ Cross-listed under Structural Failures (Bridge), and under Rail

¹³¹² Cross-listed under Road/Highway Events -- Bus.

1961 -- Sep 17, thunderstorm, flash flooding, Zions Narrows/5; Glen Canyon/1, UT -- 6

FLASH FLOODS -- Flooding Subset -- Deadliest American -- Chronological

1. 1817 -- Aug 8-9, downpour, flooding, Jones falls area, Baltimore, MD/6, York, PA/10-- 16
2. 1843 -- Aug 5, Cloudburst, Flash Flood, West, Southwest of Philadelphia, PA -- 19
3. 1869 -- Jan 31, Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT¹³¹³ --11-13
4. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI¹³¹⁴ -- 11
5. 1874 -- May 16, Mill River Reservoir Dam fails, flash flood, Williamsburg, MA¹³¹⁵--138-139
6. 1874 -- July 26, Heavy Rain, Flooding, Allegheny/Pittsburgh, PA --100-220
7. 1876 -- July 04, Storm, Flash Flood, Dam Failure, Rockdale, IA --41-42
8. 1879 -- June 12, Cloudburst, Flash Flood, Beaver Creek, Deadwood, SD -- 11

9. 1882 -- Aug 23-24, Flooding, Concho Rivers, Ben Ficklin & vicinity, TX --65->100
10. 1884 -- May 30, Cloudburst, Flash flood, cattle camp, Frenchman's Creek, CO -- 11
11. 1886 -- May 12, Flash Flood, Shawnee Creek, especially Barr's Bottom, Xenia, OH -- 28
12. 1888 -- Aug, Cloudburst, Flash Flood, near Hot Springs, AR -- 13
13. 1888 -- Aug 22, Remnant of Gulf Coast Hurricane, Flash Flooding, MD -- 12
14. 1889 -- May 31, South Fork Dam Failure, Flash Flood, Fire Johnstown, PA¹³¹⁶ --2,209
15. 1889 -- July 02, Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA¹³¹⁷ -- 41
16. 1889 -- July 18, Flooding, Morristown, Rockport and Parkersburg vicinities, WV --19-23

17. 1892 -- June 05, downpour/mill dam failure/flood/fuel fire, Titusville, Oil City, PA --126-132
18. 1892 -- July 25, cloudburst, flash flooding, Wheeling and vicinity, WV --10-12
19. 1896 -- July 24, flash floods, Mt. Vernon, Bear and Clear Creek Canyons, CO --29-30
20. 1897 -- April 28, flash flood, Cottonwood River, Guthrie and vicinity, OK --28-50
21. 1898 -- April 3, levee fails, flash flood, Shawneetown, IL¹³¹⁸ --25-33
22. 1898 -- July 08, cloudburst, flash flood, Steelville and vicinity, MO -- 19
23. 1899 -- Apr 08, flash Flooding, Yellowstone River, esp. below Glendive, MT -- 12

24. 1901 -- June 23, flooding, Elkhorn River, Pocahontas region, Burke, Keystone, WV -- 200
25. 1901 -- Sep 25, cloudburst, flash flood, prospectors drown, Presidio County, TX -- 13
26. 1902 -- May 05, cloudburst, flash flood, Foss, OK -- 9-12
27. 1903 -- June 06, flash & river flooding, Pacolet River, especially near Pacolet, SC -- 65
28. 1903 -- June 9, downpour, Chase Creek/San Francisco Riv. flash flood, Clifton, AZ¹³¹⁹--7-13
29. 1903 -- June 14, downpour, flash flood, Willow Creek, Heppner (and area), OR -- ~247
30. 1903 -- July 2, cloudburst and flooding, Beeville, Mineral City, Normania, Pettus, TX--11-14
31. 1903 -- July 05, cloudburst, dam failure, flood, Oakford Park (~Pittsburgh), PA¹³²⁰ --20-23

¹³¹³ Cross-listed in Structural Failures – Dams, Dikes, Levees.

¹³¹⁴ Cross-listed in Bridge Failures and in Rail

¹³¹⁵ Cross-listed in Structural Failures -- Dams and Levees

¹³¹⁶ Cross-listed in Structural Failures – Dams and Levees

¹³¹⁷ Cross-listed in Rail.

¹³¹⁸ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹³¹⁹ These figures represent the varying reports on bodies recovered. News reports on the totality of lives thought to have been lost, mostly poor Mexican miner family members, range from 17 to 75, with many reporting 30-50.

32. 1907 -- June 07-08, storm, flash flood, Gradyville, KY -- 21
 33. 1908 -- Aug 27-28, cloudburst, flash flood, Folsom, NM -- 17
 34. 1909 -- May 29, flash floods, Creek and Lincoln counties, OK -- 10

FLASH FLOODS -- Flooding Subset – Deadliest American – Chronological (continued)

35. 1915 -- Apr 23, flash flood and drownings, Austin, TX -- 35
 36. 1915 -- Aug 03, cloudburst, flash flood, drownings, Mill Creek, Erie, PA --29-45
 37. 1915 -- Oct 16, flash flooding, bridge fails, train derails, Randolph, KS¹³²¹ -- 11
 38. 1916 -- Aug 02-03, cloudburst, Mill Dam fails, flash flood, ~New Tazewell, TN¹³²² --27-38
 39. 1916 -- Aug 09, flash floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV--60-100
40. 1921 -- Sep 07, South TX hurricane rain leads to flash flood, San Antonio, TX -- 51
 41. 1925 -- Jun 16, train derails, Rockport crossing, near Hackettstown, NJ¹³²³ -- 50
 42. 1927 -- Nov 2-4, New England flooding, dam failures, MA/NH/CN/ME, esp. VT/84--107-109
 43. 1929 -- July 18, flash flood, bridge down, train wreck, Stratton, CO¹³²⁴ -- 10
44. 1935 -- May 30, downbursts and flash floods, CO -- 21
 45. 1932 -- Sep 30, flash flood, Tehachapi Creek Basin, Woodford, Kern County, CA -- ≥15
 46. 1938 -- Feb 27-Mar 04, storm/flash flooding, esp. LA/62, Orange/45 counties, So. CA-- ≥146
 47. 1938 -- June 19, flash flood, bridge fails, train crash, Miles City, MT¹³²⁵ --46-47
 48. 1939 -- July 04-05, flash flooding, esp. Breathitt/52, Rowan/25, Lewis counties, NE KY-- 79
49. 1940 -- Aug 13-14, remnant rain/flash floods/slides/debris flows, mts of NC/34 TN/4 VA/5¹³²⁶-- 43
 50. 1942 -- July 17-18, rainstorms and flooding, North-Central PA & Southern NY -- 16
 51. 1943 -- Aug 04-05, flash flood, Little Kanawha River Basin, central WV -- 23
 52. 1947 -- June 23, flash flooding and drownings, Cambridge to Orleans, NE -- 13
 53. 1949 -- June 17-18, flash flooding, Shenandoah & Potomac Rivers, VA/3, WV/9 --11-12
54. 1950 -- May 08-09, downbursts and flash floods and flooding, Southeast Nebraska -- 23
 55. 1950 -- June 24-25, heavy rain/flash flooding, esp. Smithsburg area (22).central WV --34-35
 56. 1954 -- June 25-26, Hurricane Alice hits so. of Brownsville; flash flooding, Ozona, TX/19-20
 57. 1954 -- Oct 06-07, “heaviest rains in years,” Pecos Valley flooding/flash flooding, NM-- 13
58. 1960 -- Oct 28, torrential rains, flash flooding, south central TX, esp. Austin area, TX -- 11
 59. 1961 -- July 19, downpour, flash flood, drownings, Charleston, WV -- 22
 1961 -- Sep 17, thunderstorm, flash flooding, Zions Narrows/5; Glen Canyon/1, UT -- 6
 1964 -- July 30 pm, flash flood/bridge destroyed/car goes into Nazlini Wash ~Chinle, AZ-- 7
 60. 1965 -- June 11, intense rain west of Sanderson, flash-flood (dawn), Sanderson, TX -- 26
 1965 -- June 11, heavy rain on heavy snowpack, flash flooding, Sheep Canyon area, UT-- 7

¹³²⁰ Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹³²¹ Cross-listed in Rail

¹³²² Cross-listed in Structural Failures – Dams, Dikes and Levees.

¹³²³ Cross-listed in Rail

¹³²⁴ Cross-listed under Structural Failures (Bridge), and under Rail

¹³²⁵ Cross-listed in Rail and in Structural Failures (Bridge/Trestles).

¹³²⁶ Cross-listed in Landslides.

61. 1965 -- June 16-17, intense rain/flooding, South Platte & Arkansas River basins, CO/23, KS/2--25
 1965 -- July 24, heavy rain and flash flooding, Northeast TN, especially Clinchmore, TN-- 7
 62. 1966 -- Apr 24, 28-30, May 4, TX flash flooding, esp. northeast, esp. north Dallas, TX-- 25
 63. 1969 -- July 04, thunderstorms/flooding, strong wind, esp. north-central OH (42 deaths)¹³²⁷-- 26
 64. 1969 -- Aug 19-20, Camille storm, flash flooding, mudslides, esp. Nelson Co., VA -- ~153

FLASH FLOODS -- Flooding Subset -- Deadliest American -- Chronological (continued):

65. 1970 -- Sep 04-06, heavy rain, flash flooding, Four Corners, AZ (26), CO, NM, UT (2)-- 28
 66. 1971 -- Aug 01, thunderstorm and flooding, metropolitan Baltimore and vicinity, MD -- 14
 67. 1972 -- May 11-12, downpour, flash flooding, New Braunfels and vicinity, TX -- 18
 68. 1972 -- June 09-10, downpour/dam failure/flash flood, Black Hills, Rapid City, SD --236-238
 69. 1972 -- June 19-22, flash flooding from Hurricane Agnes, VA¹³²⁸ -- 13
 70. 1973 -- May 27-28, severe thunderstorms; flash flooding, Western NC --11-12
 71. 1976 -- July 31, Big Thompson Canyon flash flood, CO -- 144
 72. 1977 -- Sep 12/13, flash flood, "The Plaza Flood," esp. Brush Creek, Kansas City, MO-- 25
 73. 1977 -- Nov 06-07, heavy rain, flooding, esp. west Appalachian Mts., NC, TN, VA --12-13
 74. 1977 -- Nov 06, heavy rain, Kelly Barnes dam failure, Toccoa falls Bible College, GA-- 39
 75. 1978 -- Feb 10-11, storm/flash floods, esp. Hidden Springs, Big Tujunga Canyon/13, CA-- ≥20
 76. 1978 -- Aug 02, flooding, flash-floods, Southeast TX -- 33
77. 1981 -- May 24, intense rain, flash flood, Austin, TX -- 13
 1985 -- Apr 27-28, thunderstorms, flash flooding, drownings (9), tornadoes (1), TX -- 9
 78. 1985 -- Aug 01, supercell thunderstorm and flash flooding, Cheyenne, WY -- 12
 79. 1987 -- July 17, flash flood, church youth bus & van swept into river ~Comfort, TX¹³²⁹-- 10
80. 1990 -- June 14, flash flood, Shadyside and vicinity, OH -- 26
 81. 1994 -- Oct 16-20 and 22, flash flooding/flooding, esp. Southeast TX --19-22
 82. 1995 -- May 05, thun-storm, flash flooding/roof collapse/lightning, Dallas area, TX¹³³⁰ --20-24
 83. 1997 -- Aug 12, flash flood, Antelope Canyon, near Page, AZ -- 11
 84. 1998 -- Jan 05-07, flash flooding, AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7)-- 15
 85. 1998 -- Oct 04, flash flooding, Kansas City area (11) and south St. Joseph, MO (1) -- 12
 86. 1998 -- Oct 17-18, flash floods, Central TX -- 29
87. 2008 -- June 04-12, heavy rain leading to flash flooding and flooding, Midwest -- 11
 88. 2010 -- June 11, flash flood kills campers, Ouachita Mts., Albert Pike Rec. Area, AR -- 20
- 2013 -- Sep 11-12, flooding, Front Range area in and near Boulder, CO -- 8
 89. 2015 -- Sep 14, flash flood; Hildale & Keyhole Canyon, Zion National Park, UT -- 21
 90. 2015 -- Dec 26-28,¹³³¹ flooding (31 drownings), AR (1); IL (9); MO (15); OK (7) -- 32
 91. 2016 -- May 26-June 02, flash flooding/flooding, especially Fort Hood (June 2), TX -- 16

¹³²⁷ High wind and falling trees accounted for 8 deaths, electrocution from downed wires for 6, lightning/1, injury/1.

¹³²⁸ A subset of 129 total U.S. fatalities attributed to Hurricane Agnes.

¹³²⁹ Cross-listed under Road/Highway Events -- Bus.

¹³³⁰ Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.

¹³³¹ Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.

92. 2016 -- June 23-24, flash flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV-- 23
93. 2017 -- July 16, flash flood, Verde River, Tonto National Forest, Phoenix north, AZ -- 10

FLASH FLOODS – **Chronological** (continued):

94. 2021 -- Aug 21; 15-17 inch rain/24-hrs., flooding, Humphreys County/Waverly, TN -- 20
95. 2022 -- July 27-28 downpour, flash flooding, eastern KY, esp. Knott/19, Breathitt/8, Perry/7 Cntys--39

FOG -- Contributing Factor -- Deadliest American -- By MORTALITY¹³³²

1. 1854 -- Sep 27, US Mail steamer *Arctic* hit by *Vesta*, fog, Cape Race, Newfoundland--315-350
2. 1977 -- Mar 27, KLM 4805 & Pan Am 1736 collide, fog, Tenerife Airport, Canary Isl.--~339
3. 1852 -- Aug 20, fog/steamers collide, *Atlantic* sinks, Lake Erie near Long Pt. Ont.--150~300
4. 1942 -- Aug 22, fog, convoy destroyer *Ingraham* sinks; had hit tanker *Chemung* off Nova Scotia-- ~218
5. 1901 -- Feb 22, *City of Rio de Janeiro* grounds/sinks, fog, Fort Point, SF Bay CA¹³³³ 127~140
6. 1943 -- Aug 19, *J.P. Henderson* and *J.H. Senior* collide/burn in fog off Nova Scotia-126-132
 -->59-63 US freighter *J. Pinckney Henderson* (>34-38 crew; 25 Navy armed guard)
 -- 67-69 Panamanian-flag tanker *J. H. Senior* (40-41 Danish crew; 27-29 US AG)
7. 1907 -- July 21, liner *Columbia* hit by sch. *San Pedro*, fog, sinks ~Shelter Cove, no. CA--80-88
8. 1918 -- July 05, steamboat *Columbia* hits bank in fog, sinks, IL River, Pekin, IL¹³³⁴ --87-88
9. 1973 -- July 31, Delta Air #723 crash, seawall in fog, Logan, Boston, MA (Aviation) -- 89
10. 1974 -- Sep 11, Eastern Air Flight 212 crashes in fog, Charlotte, NC (in Aviation) -- 72

11. 1918 -- May 01, steamship *City of Athens* sinks in collision off Delaware Coast¹³³⁵ -- 67
12. 1956 -- July 25, *Andrea Doria* and *Stockholm* collide in fog off Nantucket Isl., MA¹³³⁶-- 51
13. 1880 -- June 11, steamer *Narragansett* hit/burns/sinks in fog, off Saybrook CT¹³³⁷ --27-50
14. 1930 -- June 10, fog/collision/fire, *Fairfax*/oil tanker *Pinthis*/all 19, off Scituate, MA¹³³⁸-- 50
15. 1951 -- Aug 24, United 615, crashes/fog, Decoto, SW of Oakland IAP, CA (Aviation)-- 50
16. 1865 -- Dec 26-27, fog, steamer *Constitution* grounds, Cape Lookout shoals, NC¹³³⁹ --30-48
17. 1944 -- Dec 31, fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT -- 48
18. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derailed into water/fire, ~Mobile, AL¹³⁴⁰-- 47
19. 1921 -- Aug 06, coastal passenger steamer *Alaska* grounds, dense fog off Blunts Reef, CA-42
20. 1914 -- Jan 30, steamers *Monroe* & *Nantucket* collide in fog off Hog Island, VA¹³⁴¹ -- 41
21. 1951 -- Apr 20, *Esso Greensboro* & *Esso Suez* collide full speed/dense fog, Gulf of Mexico-- 39
 --37 tanker *Esso Greensboro* (5 survivors)
 -- 2 tanker *Esso Suez* (47 survivors)
22. 1949 -- July 12, Standard Air 897 hits Mt. in fog on approach to Burbank, CA AP¹³⁴² -- 35
23. 1968 -- Aug 10, plane crash in fog, Piedmont Air flight 230 Charleston, WV (Aviation)-- 35
24. 1950 -- Sep 11, train Spirit of St. Louis hits troop train in fog, Isleta, OH (in Rail) -- 33
25. 1968 -- Oct 25, approach crash in fog, Northeast Air 946, Moose Mt., NH (in Aviation)-- 32
26. 1854 -- Oct 02, S.S. *Yankee Blade* capsizes on reef in fog, near Pt. Arguello, CA¹³⁴³ --15-30
27. 1880 -- June 11, *Narragansett* & *Stonington* collide in fog off Saybrook, CT (maritime sec)--30

¹³³² Given that this category is fog as a contributing factor, all are cross-listed in a primary type – such as Aviation.

¹³³³ Cross listed in Maritime.

¹³³⁴ Cross listed in Maritime.

¹³³⁵ Cross listed in Maritime.

¹³³⁶ Cross-listed in Maritime. *Andrea Doria* was Italian liner; *Stockholm* was Swedish. Collision occurred in U.S. waters. 46 passengers died on the *Andrea Doria* and 5 sleeping crewmen died on the *Stockholm*.

¹³³⁷ Cross-listed in Maritime.

¹³³⁸ Cross-listed in Maritime.

¹³³⁹ Cross-listed in Maritime.

¹³⁴⁰ Cross-listed in Maritime and in Rail.

¹³⁴¹ Cross-listed in Maritime.

¹³⁴² Cross-listed in Aviation.

¹³⁴³ Cross listed in Maritime.

FOG as Contributing Factor –Deadliest American -- By MORTALITY – continued:

28. 1907 -- Jan 19, trains collide in fog, Big Four Line, Fowler, IN (in Rail section) --23-29
29. 1962 -- Jan 28-Feb 2, dense fog, road accidents/pileups/train hits bus, Central Valley CA--28-29
30. 1953 -- Sep 16, American Air 723 hits two towers in fog, AP approach, Albany, NY --all 28
31. 1968 -- Dec 27, North Central Air 458 plane hits hangar in fog, O'Hare, IL (Aviation)-- 28
32. 1971 -- June 7, Allegheny Airlines approach crash in fog, New Haven, CT (Aviation) -- 28
33. 1916 -- Mar 29, three train collision in fog, near Amherst, OH (in Rail section) -- 27
34. 1907 -- Sep 15, freight and passenger trains collide in dense fog ~West Canaan, NH -- 25
35. 1958 -- Aug 15, Northeast Air 258 approach crash in fog, Nantucket, MA (Aviation) -- 25
36. 1962 -- Nov 30, approach crash in fog, Eastern Air Flight 512, Jamaica, NY (Aviation)-- 25
37. 1893 -- Nov 07, *Albany & Philadelphia* collide, fog, Lake Huron ~Pointe aux Barques, MI-- 24
38. 1945 -- Jan 10, plane crash in fog, American Air 6001, ~Burbank-Hollywood CA -- 24
39. 1888 -- Feb 05, British ship *Abercorn* grounds in fog, west off Aberdeen, WA --22-23
40. 1923 -- Sep 08, seven US Navy destroyers ground in fog, off Honda Point, CA -- 23
 --20 USS *Young* -- 3 Flagship USS *Delphy*
41. 1950 -- Aug 25, hosp. ship *Benevolence* hit/sunk in fog, *M. Luckenbach* ~SF CA --18-23
42. 1960 -- Oct 29, fog, Arctic-Pacific takeoff crash, Toledo Express Airport, OH¹³⁴⁴ -- 22
43. 1913 -- Sep 02, trains collide, foggy weather, North Haven, CT (in Rail section) -- 21
44. 1946 -- Sep 05, plane crash/fire, Trans-Luxury Airlines charter, fog, near Elko, NV¹³⁴⁵-- 21
45. 1917 -- Feb 27, trains collide in fog at night, Mount Union, PA (in Rail section) -- 20
46. 1918 -- Oct 03, train runs into passengers in fog, East Bedford, OH (in Rail section) -- 20
47. 1927 -- Oct 29, fog, *President Wilson*, hits Gloucester fisher *Avalon*, off Cape Cod MA-- 20
48. 1943 -- Nov 21, tanker *Altair* hit by tanker *Bostonian*, fog, off Cape Henlopen, DE¹³⁴⁶-- 20
49. 1949 -- Jan 17, USAF B-29 crash, Argyllshire Mts. in fog, near Glasgow, Scotland¹³⁴⁷-- 20

50. 1903 -- Oct 19, steamer *South Portland* his rock in fog, near Cape Blanco, OR¹³⁴⁸ -- 19
51. 1910 -- May 23, fog, *Frank H. Goodyear* hit by *Wood*, sinks, Lake Huron ~Pt. Aux Barques MI--17-19
52. 1944 -- July 11, plane crash/fire, Westbrook Trailer Colony, S. Portland, ME (Aviation)-- 19
53. 1953 -- Oct 29, British Commonwealth Pacific Air 304 S.F. approach crash in fog ~Half Moon Bay, CA--19
54. 1964 -- Nov 26, tanker *Stolt Dagali* cut in half (19 lost) by liner *Shalom* off Point Pleasant, NJ¹³⁴⁹-19

55. 1908 -- May 26, Boston schnr. *Fame* /UK steamer *Boston* collide, fog, Cashes Bank, ME¹³⁵⁰-- 18
56. 1943 -- May 15, US Army AF C-47 plane crash, Ginger Cake Mountain, NC (aviation sec)--18
57. 1958 -- Aug 07, fog, tankers *Gulfoil* (18) & *S.E. Graham* collide/burn off Bull Point, RI-- 18

¹³⁴⁴ Cross listed in Aviation.

¹³⁴⁵ Cross-listed in Aviation.

¹³⁴⁶ Cross-listed in Maritime.

¹³⁴⁷ Cross-listed in Aviation.

¹³⁴⁸ Cross listed in Maritime.

¹³⁴⁹ While both vessels had radar, the primary radar on the *Shalom* was not working properly and the bridge officer did not order the secondary radar to be put online. The *Stolt Dagali* had an operational radar but it was not relied upon to track the *Shalom* after it had been first noticed on the radar eleven minutes prior to the collision. The *Stolt Dagali* was running at full speed despite the fact that the fog was so thick he later said he just "couldn't see." The *Shalom* was running regular speed despite fog and the lookout had taken a coffee break.

¹³⁵⁰ Cross listed in Maritime.

FOG -- Contributing Factor -- By MORTALITY -- continued:

58. 1865 -- Jun 08, fog, steamer *Admiral Dupont* hit/sunk by *Studacona* (UK), off Cape May, NJ--17
59. 1903 -- Oct 17, fog, work trains collide, Washington Crossing, near Trenton, NJ¹³⁵¹ -- 17
60. 1807 -- July 11, schooner *Charles*, wrecks on reef, fog, west of Portland Light, ME¹³⁵²-- 16
61. 1888 -- Aug 22, fog, steamers collide, *City of Chester* sinks, San Francisco Bay, CA --15-16
62. 1913 -- Jan 03, fog, *Julia Luckenbach* collision/sinks, ~Tangier Island, VA (Maritime) -- 16
63. 1914 -- Aug 26, fog, steamers collide, *Admiral Sampson* sinks, Puget Sound, off Point No Pt., WA--12-16
64. 1958 -- Feb 15, USAF C-47 transport plane crashes in fog on Mt. Vesuvius, Italy -- 16
65. 1969 -- Mar 20, approach crash/fog, Avion charter, New Orleans IAP, LA (Aviation) -- 16
66. 1971 -- Oct 21, Chicago & Southern Air 804 approach crash in fog, Peoria, IL¹³⁵³ -- 16
67. 1978 -- Oct 06, USN C-118 transport crashes into hill in fog near Santiago, Chile¹³⁵⁴ -- 16
68. 1847 -- Dec 20, steamer *Westwood* hits bank in fog, boilers explode, below New Orleans LA--12-15
69. 1903 -- May 5, Gloucester, MA fishing sch. *Gloriana* grounds in fog, White Point, NS-- 15
70. 1903 -- May 05, fog, steamer *Saginaw* sinks, liner *Hamilton* collis. ~Hog Island, VA¹³⁵⁵-- 15
71. 1925 -- June 28, Gloucester, MA schooner *Rex* sunk by Liner in fog 200M E of N.S.¹³⁵⁶-- 15
72. 1961 -- Apr 18, USAF C47, circling takeoff climb, foggy weather crash, Mt Parker, Hong Kong-- 15
73. 1909 -- July 12, fog, SS *John B. Cowle* hit by *Scott*/sinks, Lake Superior off Whitefish Pt., MI¹³⁵⁷--14
74. 1945 -- Oct 31, US Navy transport plane crash, heavy fog, Rich Mt., ~Mena, AR¹³⁵⁸ -- 14
75. 1945 -- July 28, B-25 Mitchell Bomber flies into Empire State Building in fog, NY -- 14
76. 1895 -- Mar 08, fog, steamer *Longfellow* hits C&O bridge pier/sinks, OH Riv., Cincinnati, OH-11-13
77. 1912 -- July 14, two-train collision in fog, Western Springs, IL (also in Rail section) -- 13
78. 1949 -- Jan 19, USCG *Eastwind* and SS *Gulfstream* collide in fog ~60M SE of Barnegat Light Vessel--13
79. 1977 -- Dec 11, Brunswick NAS-based USN Orion crash, fog, Mt El Hierro, Canary Isl.-- 13
80. 1862 -- Aug 09, sch. *Oriole* sinks, hit by *Illinois* in fog, Lake Sup. off Pictured Rocks, MI-- 12
81. 1898 -- Nov 18, PA train runs-down workmen, fog, Hackensack Meadows, NJ (rail) --11-12
82. 1943 -- May 20, USAAF B-24E plane hits natural gas tank, fog, Chicago, IL (aviation)-- 12
83. 1943 -- July 05, USAAF B-24E crash in fog, Green Mt., San Miguel Island, CA (aviation)--12
84. 1944 -- Apr 27, ships collide, freight *James H Reed* sinks, Lake Erie fog, off Ashtabula, OH-- 12
85. 1990 -- Dec 11, fog, multiple-vehicle collisions, I-75 near Calhoun, TN (Road sec.) -- 12
86. 1891 -- Aug 06, trains collide, fog, West Shore Railroad, "Dutcher's Cut" NY (Rail) -- 11
87. 1925 -- Mar 22, trains collide in dense fog, Ricohoc, LA (cross-listed in Rail section) -- 11
88. 1954 -- May 31, USAF C47 (MN ANG) AP approach crash, gravel pit/heavy fog, Duluth IAP, MN-11

¹³⁵¹ Cross-listed in Rail.

¹³⁵² Cross-listed in Maritime.

¹³⁵³ Cross-listed in Aviation.

¹³⁵⁴ Cross-listed in Aviation.

¹³⁵⁵ Cross-listed in Maritime.

¹³⁵⁶ Cross-listed in Maritime.

¹³⁵⁷ Cross-listed in Maritime.

¹³⁵⁸ Cross-listed in Aviation.

89. 1960 -- July 19, USN destroyers *Collett* & *Ammen* collide, fog, ~Newport Beach, CA -- 11
 90. 1997 -- Nov 16, highway collision in fog, van and semi, Mendota, CA (Road section) -- 11

FOG – Contributing Factor – By Mortality (continued):

91. 1925 -- Nov 12, trains collide in fog near Monmouth Junction, NJ (also Rail section) -- 10
 92. 1929 -- Oct 31, fog, steamers collide, *Senator* sinks, Lake MI, off Port Washington, WI-- 7-10
 93. 1930 -- Sep 01, WA sch. *Orient* collides with *Admiral Nelson*, near Vancouver Isl., BC-- 10
 94. 1948 -- Mar 18, USAF B-29 landing crash in dense fog, MacDill Field, Tampa, FL -- 10
 95. 1955 -- June 10, USAF B29 Superfortress flies into Mt. Teckberg in fog ~Owen Germany--10
 96. 1964 -- Nov 17, USN P-3A Orion landing crash, fog, USN Base, Argentia, Newfoundland--10
 97. 1965 -- May 07, ships collide, fog,, *Cedarville* sinks, Lake Huron, Mackinac Straits, MI-- 10
 98. 1972 -- Dec 20, planes collide/fog, North Central & Delta, O'Hare, Chicago IL (Avn.)-- 10
 99. 2002 -- Oct 11, fog, multi vehicle pileup, I-43, near Cedar Grove, WI (Road section) -- 10

Sampling of Events Causing 6-8 Fatalities:

- 1990 -- Dec 3, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus, MI-- 8
 2023 -- Oct 24, pileup of 168 vehicles in fog/smoke, I-55 outside New Orleans, LA -- 8
- 1948 -- Mar 27, car turns in front of truck, collide in heavy fog, near Kalamazoo, MI -- 6
 1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6

FOG -- Contributing Factor -- Deadliest American -- Chronological

1. 1807 -- July 11, Schooner *Charles*, Wrecks on Reef, fog, west of Portland Light, ME¹³⁵⁹-- 16
2. 1847 -- Dec 20, steamer *Westwood* hits bank in fog, boilers explode, below New Orleans LA--12-15
3. 1852 -- Aug 20, fog/steamers collide, *Atlantic* sinks, Lake Erie near Long Pt. Ont.--150~300
4. 1854 -- Sep 27, US Mail Steamship *Arctic* hit by *Vesta* in Fog, off Cape Race¹³⁶⁰ --318-562
5. 1854 -- Oct 02 S.S. *Yankee Blade* Capsizes on Reef in Fog, near Pt. Arguello, CA¹³⁶¹ --15-30
6. 1862 -- Aug 09, sch. *Oriole* sinks, hit by *Illinois* in fog, Lake Sup. off Pictured Rocks, MI-12
7. 1865 -- Dec 26-27, Fog, Steamer *Constitution* Grounds, Cape Lookout shoals, NC¹³⁶² --30-48
8. 1880 -- Jun 11, steamer *Narragansett* hit/burns/sinks, fog, off Saybrook CT (Maritime)- 27-50
9. 1880 -- Jun 11, *Narragansett/Stonington* collide in fog with off Saybrook, CT (Maritime)--30
10. 1888 -- Feb 05, British ship *Abercorn* grounds in fog, west off Aberdeen, WA --22-23
11. 1888 -- Aug 22, fog, steamers collide, *City of Chester* sinks, San Francisco Bay, CA --15-16
12. 1891 -- Aug 06, Trains Collide, Fog, West Shore Railroad, "Dutcher's Cut" NY (Rail)-- 11
13. 1893 -- Nov 07, *Albany & Philadelphia* collide, fog, Lake Huron ~Pointe aux Barques, MI-- 24
14. 1895 -- Mar 08, fog, steamer *Longfellow* hits C&O bridge pier/sinks, OH Riv., Cincinnati, OH-11-13
15. 1898 -- Nov 18, PA Train runs-down workmen, fog, Hackensack Meadows, NJ (Rail)--11-12
16. 1901 -- Feb 22, *City of Rio de Janeiro* grounds/sinks, fog, Fort Point, SF Bay CA¹³⁶³ -27~140
17. 1903 -- May 05, fog, Gloucester, MA fishing sch. *Gloriana* grounds, White Point, N.S.-- 15
18. 1903 -- May 05, fog, steamer *Saginaw* sinks, liner *Hamilton* collis. ~Hog Island, VA¹³⁶⁴-- 15
19. 1903 -- Oct 17, fog, work trains collide, Washington Crossing, near Trenton, NJ (Rail)-- 17
20. 1903 -- Oct 19, steamer *South Portland* grounds in fog, Cape Blanco, OR (Maritime) -- 19
21. 1907 -- Jan 19, trains collide in fog, Big Four Line, Fowler, IN (Rail section) --23-29
22. 1907 -- July 21, liner *Columbia* hit by sch. *San Pedro*, fog, sinks ~Shelter Cove, no. CA--80-88
23. 1908 -- May 26, Boston sch. *Fame* / UK steamer *Boston* collide, fog, Cashes Bank¹³⁶⁵-- 18
24. 1909 -- July 12, fog, SS *John B. Cowle* hit by *Scott*/sinks, Lake Superior off Whitefish Pt., MI¹³⁶⁶--14
25. 1910 -- May 23, fog, *Frank H. Goodyear* hit by *Wood*, sinks, Lake Huron ~Pt. Aux Barques MI--17-19
26. 1912 -- July 14, two-train collision in fog, Western Springs, IL (cross-listed in Rail) -- 13
27. 1913 -- Jan 3, fog, *Julia Luckenbach* collision/sinks, ~Tangier Island, VA (Maritime) -- 16
28. 1913 -- Sep 02, trains collide in foggy weather, North Haven, CT (Rail section) -- 21
29. 1914 -- Jan 30, steamers *Monroe & Nantucket* collide in fog off Hog Island, VA¹³⁶⁷ -- 41

¹³⁵⁹ Cross-listed in Maritime.

¹³⁶⁰ Cross listed in Maritime.

¹³⁶¹ Cross listed in Maritime.

¹³⁶² Cross-listed in Maritime.

¹³⁶³ Cross listed in Maritime.

¹³⁶⁴ Cross-listed in Maritime.

¹³⁶⁵ Cross listed in Maritime.

¹³⁶⁶ Cross-listed in Maritime.

¹³⁶⁷ Cross-listed in Maritime.

30. 1914 -- Aug 26, fog, steamers collide, *Admiral Sampson* sinks, Puget Sound, off Point No Pt., WA--12-16
 31. 1916 -- Mar 29, three-train collision in fog, near Amherst, OH (Rail section) -- 27
 32. 1917 -- Feb 27, trains collide in fog at night, Mount Union, PA (Rail section) -- 20
 33. 1918 -- May 1, steamship *City of Athens* sinks in collision off coast of DE [Maritime] -- 67
 34. 1918 -- July 05, steamboat *Columbia* hits bank in fog, sinks, IL River, Pekin, IL¹³⁶⁸ --87-88
 35. 1918 -- Oct 03, train runs into passengers in fog, East Bedford, OH (Rail section) -- 20

FOG -- Contributing Factor -- Deadliest American -- Chronological -- continued:

36. 1921 -- Aug 06, coastal passenger steamer *Alaska* grounds, dense fog off Blunts Reef, CA-42
 37. 1923 -- Sep 08, seven US Navy destroyers ground in fog, off Honda Point, CA -- 23
 --20 USS *Young* -- 3 Flagship USS *Delphy*
 38. 1925 -- Mar 22, trains collide in dense fog, Ricohoc, LA (Rail section) -- 11
 39. 1925 -- Jun 28, Gloucester, MA schooner *Rex* sunk by Liner in fog 200M E of N.S.¹³⁶⁹-- 15
 40. 1925 -- Nov 12, trains collide in fog near Monmouth Junction, NJ (Rail section) -- 10
 41. 1927 -- Oct 29, fog, *President Wilson*, hits Gloucester fisher *Avalon* ~Cape Cod MA¹³⁷⁰-- 20
 42. 1929 -- Oct 31, fog, steamers collide, *Senator* sinks, Lake MI, off Port Washington, WI--7-10

 43. 1930 -- June 10, fog/collision/fire, *Fairfax* & oil tanker *Pinthis*/all 19, off Scituate MA¹³⁷¹-50
 44. 1930 -- Sep 01, WA schnr. *Orient* collides with *Admiral Nelson*, ~Vancouver Isl., BC¹³⁷²--10

 45. 1943 -- May 15, plane crash, US Army AF C-47, Ginger Cake Mountain, NC (Aviation)-- 18
 46. 1943 -- May 20, USAAF B-24E plane hits natural gas tank, fog, Chicago IL (Aviation)-- 12
 47. 1943 -- Nov 21, tanker *Altair* hit by tanker *Bostonian*, Fog, off Cape Henlopen, DE¹³⁷³-- 20
 48. 1944 -- Apr 27, ships collide, freighter *James H Reed* sinks, Lake Erie fog, off Ashtabula, OH--12
 49. 1944 -- July 11, plane crash/fire, Westbrook Trailer Colony, S. Portland, ME (Aviation)-- 19
 50. 1944 -- Dec 31, fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT¹³⁷⁴-- 48
 51. 1945 -- Jan 10, plane crash in fog, American Air 6001, near Burbank-Hollywood CA¹³⁷⁵-- 24
 52. 1945 -- July 28, B-25 Mitchell bomber flies into Empire State Building in fog, NYC¹³⁷⁶-- 14
 53. 1945 -- Oct 31, US Navy transport plane crash, heavy fog, Rich Mt., ~Mena, AR¹³⁷⁷ -- 14
 54. 1946 -- Sep 05, Trans-Luxury Airlines charter plane crash/fire, fog, near Elko, NV¹³⁷⁸-- 21
 55. 1948 -- Mar 18, USAF B-29 landing crash in dense fog, MacDill Field, Tampa, FL -- 10
 1948 -- Mar 27, car turns in front of truck, collide in heavy fog, near Kalamazoo, MI -- 6
 56. 1949 -- Jan 17, USAF B-29 crash, Argyllshire Mts. in fog, near Glasgow, Scotland¹³⁷⁹-- 20
 57. 1949 -- Jan 19, USCG *Eastwind* and SS *Gulfstream* collide in fog ~60M SE of Barnegat Light Vessel--13

¹³⁶⁸ Cross listed in Maritime.

¹³⁶⁹ Cross-listed in Maritime.

¹³⁷⁰ Cross-listed in Maritime.

¹³⁷¹ Cross-listed in Maritime.

¹³⁷² Cross listed in Maritime.

¹³⁷³ Cross-listed in Maritime.

¹³⁷⁴ Cross-listed in Rail.

¹³⁷⁵ Cross-listed in Aviation.

¹³⁷⁶ Cross listed in Aviation.

¹³⁷⁷ Cross listed in Aviation.

¹³⁷⁸ Cross-listed in Aviation.

¹³⁷⁹ Cross-listed in Aviation.

58. 1949 -- July 12, Standard Air 897 hits mt., fog, approach to Burbank CA AP (Aviation)-- 35

FOG -- Contributing Factor -- Deadliest American -- Chronological -- continued:

59. 1950 -- Aug 25, hospital ship *Benevolence* hit/sunk/fog, *M. Luckenbach* ~SF CA¹³⁸⁰ --18-23
60. 1950 -- Sep 11, train Spirit of St. Louis gits troop train, fog, Isleta, OH (Rail section) -- 33
61. 1951 -- Apr 20, *Esso Greensboro/Esso Suez* collide in fog, Gulf of Mexico (Maritime) -- 39
62. 1951 -- Aug 24, United 615, crashes/fog, Decoto, SW of Oakland IAP, CA (Aviation)-- 50
63. 1953 -- Sep 16, American Air 723 hits two towers in fog, AP approach, Albany, NY --all 28
64. 1953 -- Oct 29, British Commonwealth Pacific Air 304 S.F. approach crash in fog ~Half Moon Bay, CA--19
65. 1954 -- May 31, USAF C47 (MN ANG) AP approach crash, gravel pit/heavy fog, Duluth IAP, MN-11
66. 1955 -- June 10, USAF B29 Superfortress flies into Mt. Teckberg in fog ~Owen Germany--10
67. 1956 -- July 25, *Andrea Doria* and *Stockholm* collide, fog off Nantucket Isl., MA¹³⁸¹ -- 51
68. 1958 -- Feb 15, USAF C-47 transport plane crashes in fog on Mt. Vesuvius, Italy¹³⁸² -- 16
69. 1958 -- Aug 07, fog, tankers *Gulfoil* (18) & *S.E. Graham* collide/burn off Bull Point, RI-- 18
70. 1958 -- Aug 15, Northeast Air 258 approach crash in fog, Nantucket, MA (Aviation) -- 25
71. 1960 -- July 19, USN destroyers *Collett* & *Ammen* collide, fog, ~Newport Beach, CA -- 11
72. 1960 -- Oct 29, Fog, Arctic-Pacific takeoff plane crash, Toledo Express Airport, OH -- 22
73. 1961 -- Apr 18, USAF C47, circling takeoff climb, foggy weather crash, Mt Parker, Hong Kong-- 15
74. 1962 -- Jan 28-Feb 2, dense fog, traffic accidents/pileups/train hits bus, Central Valley CA--28-29
75. 1962 -- Nov 30, Eastern Air Flight 512 approach crash/fog, Jamaica, NY (Aviation) -- 25
76. 1964 -- Nov 17, USN P-3A Orion landing crash in fog, USN Base, Argentia NFL -- 10
77. 1965 -- May 07, ships collide, fog,, *Cedarville* sinks, Lake Huron, Mackinac Straits, MI-- 10
78. 1968 -- Aug 10, Piedmont Air Flight 230 plane crash/fog, Charleston, WV (Aviation) -- 35
79. 1968 -- Oct 25, Northeast Air 946 approach crash/fog, Moose Mt., NH (Aviation) -- 32
80. 1968 -- Dec 27, North Central Air 458 hits hangar in fog, O'Hare, IL (Aviation) -- 28
81. 1969 -- Mar 20, Avion Charter approach crash/fog, New Orleans IAP, LA (Aviation) -- 16
1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6
82. 1971 -- June 07, Allegheny Airlines approach crash/fog, New Haven, CT (Aviation) -- 28
83. 1971 -- Oct 21, Chicago & Southern Air 804 approach crash in fog, Peoria, IL (Aviation)--16
84. 1972 -- Dec 20, North Central & Delta planes collide in fog, O'Hare, Chicago, IL -- 10
85. 1973 -- July 31, Delta Air #723 crash into seawall in fog, Logan, Boston, MA (Aviation)-- 89
86. 1974 -- Sep 11, Eastern Air Flight 212 crashes in fog, Charlotte, NC (Aviation) -- 72
87. 1977 -- Dec 11, Brunswick NAS-based USN Orion crash, fog, Mt El Hierro, Canary Isl.-- 13
88. 1978 -- Oct 06, USN C-118 transport plane crash into hill in fog near Santiago, Chile -- 16
- 1990 -- Dec 3, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus, MI-- 8
89. 1990 -- Dec 11, fog, multiple-vehicle collisions, I-75 near Calhoun, TN (Road section)-- 12
90. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derailed into water/fire, ~Mobile, AL¹³⁸³-- 47

¹³⁸⁰ Cross-listed in Maritime.

¹³⁸¹ Cross-listed in Maritime. *Andrea Doria* was Italian liner; *Stockholm* was Swedish. Included because collision occurred in U.S. waters. 46 passengers died on the *Andrea Doria* and 5 sleeping crewmen died on the *Stockholm*.

¹³⁸² Cross-listed in Aviation.

¹³⁸³ Cross-listed in Maritime and in Rail.

91. 1997 -- Nov 16, highway collision in fog, van and semi, Mendota, CA (Road section) -- 11
- 2023 -- Oct 24, pileup of 168 vehicles in fog/smoke, I-55 outside New Orleans, LA -- 8

HAIL – Deadliest American – **By Mortality**

1. 1977 -- Apr 04, hailstorm, plane crash, Southern Airways Flight #242, Hope, GA¹³⁸⁴ -- 72
2. 1784 -- May 08, Hail Storm, Winnsboro, SC -- 3
3. 1742 -- June 10, Hail, Amwell Township, NJ -- 1
4. 1863 -- Sep 11, Hail, St. Charles County, MO -- 1
5. 1895 -- July 26, Hailstorm, near Djurberg School, Barnes County, SD -- 1
6. 1909 -- May 17, Hail, near Uvalde, TX -- 1
7. 1930 or 1939 -- May 30, Hail Storm, Farmer Killed, Northwest of Lubbock, TX -- 1
8. 1931 -- May 10, Hail, Windsor, NC -- 1
9. 1979 -- July 30, Hailstorm, 3-month girl hit in head, dies Aug 7, Fort Collins, CO -- 1
10. 2000 -- March 29, Hailstorm, man hit in head by softball-sized hail, Fort Worth, TX -- 1

HAIL – Deadliest American – **Chronological**

1. 1742 -- June 10, Hail, Amwell, NJ -- 1
2. 1784 -- May 08, Hail Storm, Winnsboro, SC -- 3
3. 1863 -- Sep 11, Hail, St. Charles County, MO -- 1
4. 1895 -- July 26, Hailstorm, near Djurberg School, Barnes County, SD -- 1
5. 1909 -- May 17, Hail, near Uvalde, TX -- 1
6. 1930 or 1939 -- May 30, Hail Storm, Farmer Killed, Northwest of Lubbock, TX -- 1
7. 1931 -- May 10, Hail, Windsor, NC -- 1
8. 1977 -- Apr 04, Hailstorm, Plane Crash, Southern Airways Flight #242, Hope, GA¹³⁸⁵ -- 72
9. 1979 -- July 30, Hailstorm, 3-month girl hit in head, dies Aug 7, Fort Collins, CO -- 1
10. 2000 -- March 29, Hailstorm, man hit in head by softball-sized hail, Fort Worth, TX -- 1

¹³⁸⁴ Cross-listed in Aviation. According to NTSB report “The loss of thrust was caused by the ingestion of massive amounts of water and hail which in combination with thrust level movement induced severe stalling in and major damage to the engine...”

¹³⁸⁵ Cross-listed in Aviation. According to NTSB report “The loss of thrust was caused by the ingestion of massive amounts of water and hail which in combination with thrust level movement induced severe stalling in and major damage to the engine...”

HAZARDOUS MATERIALS Transportation Incidents – By MORTALITY

1. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX¹³⁸⁶ --581-600
2. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA¹³⁸⁷ --320-325
3. 1863 -- Aug 19, steamer *City of Madison* ammunition explosion, Vicksburg, MS¹³⁸⁸--63-156
4. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD¹³⁸⁹ -- 55
5. 1915 -- Sep 27, rail tank car gasoline explosion, Ardmore, OK (cross-listed in explosions) --40-44
6. 1907 -- Jan 19, train car explosion (powder), Big Four Railroad, Sandford, IN¹³⁹⁰ --29-34
7. 1950 -- May 25, Green Hornet Trolley and gasoline tank truck collide, Chicago IL¹³⁹¹ -- 34
8. 1893 -- Jan 21, express train collides into oil cars/fire/explosion, Wann, ~Alton, IL¹³⁹²-- 33
9. 1902 -- May 12, explosion, freight train oil and naphtha cars, Sheraden, PA¹³⁹³ --20-29
10. 1926 -- Apr 11, tanker *Gulf of Venezuela* explosion, Port Arthur, TX (Maritime cross-listed)-26

11. 1904 -- Feb 19, trains collide, dynamite explodes, Jackson Station, NV¹³⁹⁴ -- 24
12. 1905 -- May 11, trains collide, blasting powder explosion, fire, S. Harrisburg, PA¹³⁹⁵ -- 23
13. 1959 -- June 28, train derails on river trestle, LPG-tank rupture/flash-fire, ~Meldrim, GA--23
14. 1956 -- Jan 17, Tanker *SS Salem Maritime* Gasoline Explosion/Fire, Lake Charles, LA¹³⁹⁶-21
15. 1941 -- Mar 24, Oil Tanker *Cities Service Denver* explosion/fire, off NC/SC coast¹³⁹⁷ --19-20
16. 1881 -- Dec 26, Steamer *West Point* gasoline fumes explos., York Ri., West Point, VA¹³⁹⁸-19
17. 1947 -- Aug 05, Worker/Gasoline Trucks Collide and Burn, near Waxahachie, TX¹³⁹⁹ -- 19
18. 1932 -- Feb 04, explosion, Sun Oil tanker *Bidwell* while cleaning, Marcus Hook, PA¹⁴⁰⁰-- 18
19. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY¹⁴⁰¹-- 17
20. 1833 -- May 19, St. *Lioness* Fire/Gunpowder Explos., Red River, Montgomery, LA¹⁴⁰²-14-16
21. 1892 -- Jun 13, Mil. Munitions Explos., USS *Boston*, Mare Island Navy Yard, CA¹⁴⁰³-- 14-16
22. 1944 -- Oct 21, Vapor Explos./Fire, USN LSMs 211/212, Berth 223, LA Harbor, CA¹⁴⁰⁴-- 16
23. 1975 -- Apr 29, Surtigas, S.A. LP Gas tank truck wreck, 277, near Eagle Pass, TX¹⁴⁰⁵ -- 16
24. 1978 -- Feb 24, train derails Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN -- 16
25. 1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR¹⁴⁰⁶-- 14

¹³⁸⁶ Cross-listed in Explosions, in Fire, and in Maritime.

¹³⁸⁷ Cross-listed under Explosions and in Maritime.

¹³⁸⁸ Cross-listed in Maritime.

¹³⁸⁹ Cross-listed in Explosions and in Maritime.

¹³⁹⁰ Cross-listed in Explosions and in Rail.

¹³⁹¹ Cross-listed in Rail.

¹³⁹² Cross-listed in Rail.

¹³⁹³ Cross-listed in Explosions and in Rail.

¹³⁹⁴ Cross-listed in Explosions and in Rail.

¹³⁹⁵ Cross-listed in Explosions and in Rail.

¹³⁹⁶ Cross-listed in Explosions and Maritime.

¹³⁹⁷ Cross-listed in Maritime. The cause of the explosion was undetermined.

¹³⁹⁸ Cross-listed in Maritime.

¹³⁹⁹ Cross-listed in Road and Highway Incidents.

¹⁴⁰⁰ Cross-listed in Maritime.

¹⁴⁰¹ Cross-listed in Explosions and in Rail.

¹⁴⁰² Cross-listed in Maritime.

¹⁴⁰³ Cross-listed in Explosions and in Maritime.

¹⁴⁰⁴ Cross-listed in Explosions and in Maritime.

¹⁴⁰⁵ Cross-listed in Road/Highway Incidents.

¹⁴⁰⁶ Cross-listed in Explosions.

HAZARDOUS MATERIALS Transportation Incidents – By MORTALITY

26. 1960 -- Mar 01, train and oil tank truck collision and fire, Bakersfield, CA¹⁴⁰⁷ -- 14
27. 1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY¹⁴⁰⁸ -- 13
28. 1916 -- Jan 04, gas fumes explosion, oil tanker *Aztec Norge*, Erie Basin dock, NY¹⁴⁰⁹ -- 13
29. 1973 -- July 05, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ¹⁴¹⁰ -- 13
30. 1974 -- Apr 09, explosions, oil tanker *S.S. Elias*, Delaware River, Fort Mifflin, PA¹⁴¹¹ -- 13
31. 1942 -- Oct 03, gasoline tanker, wagon, bus collide, explosion ~Lumberton, NC¹⁴¹² --11-12
32. 1947 -- Jun 22, tankship *Markay* petrol. products loading vapor explosion, LA CA¹⁴¹³ --10-12
33. 1990 -- Dec 11, fog, multiple-vehicle collisions, I-75 near Calhoun, TN¹⁴¹⁴ -- 12
34. 1959 -- June 2, tractor trailer hits stopped propane gas truck, fire, explos. ~Deer Lake, PA--11
35. 1944 -- Nov 21, car/truck collision, butane gas tank truck explosion, Denison, TX¹⁴¹⁵ -- 10
36. 1945 -- Jan 02, fire & explosion, Sun Oil tanker *Sunoco*, off Sandy Hook, NJ¹⁴¹⁶ -- 10
37. 1957 -- Jan 29, vapor explosion, tanker SS *Jeanny*, shipyard, Alameda, CA¹⁴¹⁷ -- 10
38. 1957 -- Mar 6, Navy tanker *Mission San Francisco & Elna II* collis./explo., Del Ri., DE¹⁴¹⁸-10

Other:

1. 1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK¹⁴¹⁹-- 8-9
2. 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis, TN¹⁴²⁰-- 9
3. 2005 -- Jan 06, train wreck and chlorine release, Graniteville, SC -- 9

4. 1978 -- Feb 26, chlorine release when train derailed (no train deaths), Youngstown, FL -- 8
5. 1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO-- 8
6. 1977 -- Sep 24, gasoline tank truck collision, St. Ft. 11, Beattyville, KY (also in Roads)-- 7
7. 1982 -- Apr 07, HazMat gasoline truck collision, Caldecott Tunnel, Oakland CA -- 7

8. 1971 -- Apr 02, chemicals transferring from truck to a tank react, fumes, Berwick, ME-- 6
9. 1971 -- June 04, car hits semi-trailer carrying dynamite, fire, explosion, near Waco, GA-- 6
10. 1976 -- May 11, HazMat (ammonia) truck hits I-610 ramp, falls onto Freeway, Houston, TX—6

11. 1986 -- Jan 4, UF6 (uranium hexafluoride) cylinder rupture, Sequoyah Fuels Corp, OK-- 1

¹⁴⁰⁷ Cross-listed in Road and Highway incidents and in Rail.

¹⁴⁰⁸ Cross-listed in Explosions and in Rail.

¹⁴⁰⁹ Cross-listed in Maritime.

¹⁴¹⁰ Cross-listed in Explosions and in Rail.

¹⁴¹¹ Cross-listed in Maritime.

¹⁴¹² Cross-listed in Road and Highway incidents.

¹⁴¹³ Cross-listed in Explosions and in Maritime.

¹⁴¹⁴ Cross-listed in Fog as a contributing factor, and in Road and Highway incidents.

¹⁴¹⁵ Cross-listed in Explosions and in Road and Highway incidents.

¹⁴¹⁶ Cross-listed in Maritime.

¹⁴¹⁷ Cross-listed in Explosions and in Maritime.

¹⁴¹⁸ Cross-listed in Maritime.

¹⁴¹⁹ Cross-listed in Explosions and in Road/Highway.

¹⁴²⁰ Cross-listed in Explosions and in Road/Highway/Vehicular Events.

HAZARDOUS MATERIALS Transportation Incidents – CHRONOLOGICAL

1. 1833 -- May 19, St. *Lioness* fire/gunpowder explosion, Red River, Montgomery LA¹⁴²¹-14-16
2. 1863 -- Aug 19, steamer *City of Madison* ammunition explosion, Vicksburg, MS¹⁴²² --50-163
3. 1881 -- Dec 26, steamer *West Point* gasoline fumes explos., York Ri., West Point, VA¹⁴²³-19
4. 1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY¹⁴²⁴ -- 13
5. 1892 -- June 13, munitions explosion, USS *Boston*, Mare Island Navy Yard, CA¹⁴²⁵ --14-16
6. 1893 -- Jan 21, express train collides into oil cars/fire/explosion, Wann, ~Alton, IL¹⁴²⁶-- 33

7. 1902 -- May 12, explosion, freight train oil and naphtha cars, Sheraden, PA¹⁴²⁷ --20-29
8. 1903 -- Mar 09, train wreck/fire, delayed oil/gasoline tanker explosion, Olean, NY¹⁴²⁸ -- 17
9. 1904 -- Feb 19, trains collide, dynamite explodes, Jackson Station, NV¹⁴²⁹ -- 24
10. 1905 -- May 11, trains collide, blasting powder explosion, fire, S. Harrisburg PA¹⁴³⁰ -- 23
11. 1907 -- Jan 19, train car explosion (blasting powder), Big Four Railroad, Sandford, IN-29-34

12. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD¹⁴³¹ -- 55
13. 1915 -- Sep 27, rail tank car gasoline explosion, Ardmore, OK¹⁴³² --40-44
14. 1916 -- Jan 04, gas fumes explosion, oil tanker *Aztec Norge*, Erie Basin dock, NY¹⁴³³ -- 13
- 1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK¹⁴³⁴--8-9

15. 1926 -- Apr 11, tanker *Gulf of Venezuela* explosion, Port Arthur, TX¹⁴³⁵ -- 26

16. 1932 -- Feb 04, explosion, Sun Oil tanker *Bidwell*, while cleaning, Marcus Hook, PA¹⁴³⁶-- 18

17. 1941 -- Mar 24, oil tanker *Cities Service Denver* explosion/fire, off NC/SC coast¹⁴³⁷ --19-20
18. 1942 -- Oct 03, gasoline tanker, wagon, bus collide, explosion ~Lumberton, NC¹⁴³⁸ --11-12
19. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA¹⁴³⁹ --320-325

¹⁴²¹ Cross-listed in Maritime.

¹⁴²² Cross-listed in Maritime.

¹⁴²³ Cross-listed in Maritime.

¹⁴²⁴ Cross-listed in Explosions and in Rail.

¹⁴²⁵ Cross-listed in Explosions and in Maritime.

¹⁴²⁶ Cross-listed in Hazardous Materials incidents.

¹⁴²⁷ Cross-listed in Explosions and in Rail.

¹⁴²⁸ Cross-listed in Explosions and in Rail.

¹⁴²⁹ Cross-listed in Explosions and in Rail.

¹⁴³⁰ Cross-listed in Explosions and in Rail.

¹⁴³¹ Cross-listed in Explosions and in Maritime.

¹⁴³² Cross-listed in Explosions and in Rail.

¹⁴³³ Cross-listed in Maritime.

¹⁴³⁴ Cross-listed in Explosions and in Road/Highway.

¹⁴³⁵ Cross-listed in Maritime.

¹⁴³⁶ Cross-listed in Maritime.

¹⁴³⁷ Cross-listed in Maritime. The cause of the explosion was undetermined.

¹⁴³⁸ Cross-listed in Road and Highway incidents.

¹⁴³⁹ Cross-listed under Explosions and in Maritime.

- 20. 1944 -- Oct 21, vapor explos./fire, USN LSMs 211/212, Berth 223, LA Harbor, CA¹⁴⁴⁰-- 16
- 21. 1944 -- Nov 21, car/truck collision, butane gas tank truck explosion, Denison, TX¹⁴⁴¹ -- 10
- 22. 1945 -- Jan 02, fire/explosion, Sun Oil tanker *Sunoco*, off Sandy Hook, NJ¹⁴⁴² -- 10
- 23. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX¹⁴⁴³ --581-600
- 24. 1947 -- Jun 22, tankship *Markay* loading petrol. products vapor explosion, LA CA¹⁴⁴⁴ --10-12
- 25. 1947 -- Aug 05, worker & gasoline trucks collide and burn, near Waxahachie, TX¹⁴⁴⁵ -- 19

HAZARDOUS MATERIALS Transportation Incidents – CHRONOLOGICAL

- 26. 1950 -- May 25, collision, Green Hornet Trolley & gasoline tank truck, Chicago, IL -- 34
- 27. 1956 -- Jan 17, tanker *SS Salem Maritime* gasoline explosion/fire, Lake Charles, LA¹⁴⁴⁶-- 21
- 28. 1957 -- Jan 29, vapor explosion, tanker *SS Jeanny*, shipyard, Alameda, CA¹⁴⁴⁷ -- 10
- 29. 1957 -- Mar 06, Navy tanker *Mission San Francisco & Elna II* collide/explos., Del Ri., DE--10
- 30. 1959 -- June 2, tractor trailer hits stopped propane gas truck, fire, explos. ~Deer Lake, PA--11
- 31. 1959 -- June 28, train derails on river trestle, LPG-tank rupture/flash-fire, ~Meldrim, GA--23
- 32. 1959 -- Aug 07, building fire, parked truck dynamite explosion, Roseburg, OR -- 14

- 33. 1960 -- Mar 01, train and oil tank truck collision, Fire, Bakersfield, CA -- 14

- 1971 -- Apr 02, chemicals transferring from truck to a tank react, fumes, Berwick, ME-- 6
- 1971 -- June 04, car hits semi-trailer carrying dynamite, fire, explosion, ~Waco, GA -- 6
- 34. 1973 -- July 05, propane gas railcar fire and explosion, Doxel Gas Co., Kingman AZ¹⁴⁴⁸-- 13
- 35. 1974 -- Apr 09, explosions, oil tanker *S.S. Elias*, Delaware River, Fort Mifflin, PA -- 13
- 36. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
- 1976 -- May 11, HAZMAT (ammonia) truck hits I-610 ramp, falls onto Freeway, Houston, TX--6
- 1977 -- Sep 24, gasoline tank truck collision, St. Ft. 11, Beattyville, KY -- 7
- 37. 1978 -- Feb 24, train derails Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN -- 16
- 38. 1978 -- Feb 26, chlorine release when train derails (no train deaths), Youngstown, FL -- 8

- 1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO¹⁴⁴⁹-8
- 1982 -- Apr 07, HazMat gasoline truck collision, Caldecott Tunnel, Oakland CA -- 7
- 1986 -- Jan 04, UF6 (uranium hexafluoride) cylinder rupture, Sequoyah Fuels Corp, OK-- 1
- 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN -- 9

- 39. 1990 -- Dec 11, fog and multiple-vehicle collisions, I-75 near Calhoun, TN -- 12

- 2005 -- Jan 06, train wreck and chlorine release, Graniteville, SC -- 9

¹⁴⁴⁰ Cross-listed in Explosions and in Maritime.

¹⁴⁴¹ Cross-listed in Explosions and in Road and Highway incidents.

¹⁴⁴² Cross-listed in Maritime.

¹⁴⁴³ Cross-listed in Explosions, in Fire, and in Maritime.

¹⁴⁴⁴ Cross-listed in Explosions and in Maritime.

¹⁴⁴⁵ Cross-listed in Road and Highway Incidents.

¹⁴⁴⁶ Cross-listed in Explosions and Maritime.

¹⁴⁴⁷ Cross-listed in Explosions and in Maritime.

¹⁴⁴⁸ Cross-listed in Explosions and in Rail.

¹⁴⁴⁹ Cross-listed in Road/Highway. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.

HEAT – By MORTALITY¹⁴⁵⁰

1. 1936 -- July-Aug (esp.), heat, esp. MN/772, MO/644, IL/634, MI/617, WI/500 --4,678-5,418
2. 1901 -- June-July, heat waves, except Pacific NW, esp. Northeast, June 27-July 6 4,012
3. 1934 -- summer, esp. mid-July-mid-Aug, heat, esp. Midwest, esp. MO, IL, KS, OH 3,250
4. 1931 -- June-Sep, heat waves/excessive heat, West, Midwest, NE, esp. IL, IA, WI 2,768
5. 1911 -- Heat waves/excessive heat deaths, esp. June 4-23, July 1-13, esp. MW, NE ~2,190
6. 2022 -- excessive natural heat, esp. AZ (1,030) esp. Maricopa County/425, TX/203 --2,159
7. 2023 -- excessive natural heat, esp. AZ (867), TX (440), NV (208), LA/82, FL/81 --2,155
8. 1896 -- Aug 1-14~, heat, esp., NY/891, IL/277, PA/226, NJ/168, MO/81, WI/77 --2,038
9. 2021 -- excessive natural heat, esp. AZ/854, WA/170, NV/166, CA/140, OR/133 --1,923
10. 1980 -- June-Sep, heat, esp. Midwest & So. Plains, esp. MO/TN/AR/TX/MS¹⁴⁵¹ 1,863-1,904

11. 1995 -- June-Aug, esp. July 12-17, heat, esp. IL/>700 WI/154 PA/146 MO/58 1,563-1,601
12. 1925 -- excessive heat, especially NY (439), PA (299), NJ (112), CA (69), MA (65) --1,587
13. 1952 -- excessive natural heat, Sixth Revision of International Lists, 1948, code E931 --1,401
14. 1972 -- excessive heat; heat as contributing factor, esp. July 12-25 NYC/891, MD/269--1,324
15. 1900 -- July-Aug (esp.) heat, esp. NY/361, NJ/119, Chicago/102, St. Louis/90, PA/90 --1,266
16. 1913 -- heat, esp. June 25-July 1, esp. PA/237, OH/178, MO/114, IL/92, NY/80 --1,226
17. 2020 -- excessive heat, natural sources; esp. AZ/522, CA/137, Clark Co., NV/124 --1,184
18. 2006 -- excessive natural heat, esp. CA/194, AZ/169, NY/148, TX/106, IL/51, PA/50 --1,104
19. 1939 -- June-Sep, heat, esp. Sep 15-23, Los Angeles (546), TX (42), MO (37)¹⁴⁵²--527-1,073
20. 2011 -- excessive natural heat, esp. TX/183, AZ/177, PA/57, MO/52 IL/50 NY/45 --1,060
21. 2018 -- excessive natural heat, esp. AZ/252, Clark County, NV/163, CA/106, TX/89 --1,012
22. 1999 -- excessive natural heat, esp. IL/153, PA/97, MO/92, TX/63, AZ/58, NY/56 --1,050
23. 1954 -- heat (esp. July), esp. MO/235, OK/178, KS/139, TX/95, IL/50, GA/39 --978-984
24. 1955 -- Aug 31–Sep 9, heatwave/excessive deaths, greater Los Angeles, CA¹⁴⁵³ --115- 946
25. 2005 -- excessive natural heat, esp. AZ/244, NYC/~140, TX/111 CA/64, MD/47, NV/43--939
26. 1988 -- heat, summer (esp.); esp. IL/341, MI/121, IN/~44, MO/~44, CA/37 --913-921
27. 2019 -- heat; exposure to excessive natural heat, esp. AZ/283, TX/101, NV/88 --911-915
28. 2006 -- June-Aug esp., heat, esp. CA/184 AZ/169 NY/148 TX/106 MD/44 IL/43 PA/32-->912

29. 1916 -- Jun 18-Aug 22, heat waves, esp. Chicago, Detroit, Milwaukee, St. Louis, NY -- ~895
30. 2012 -- excessive heat, esp. AZ/209, CA/66, TX/62, IL/54, MO/54, MD/46, VA/WI/24-- 879

¹⁴⁵⁰ We caution about comparing one year against another. The only way to do this properly is to determine population size for the years to be compared and to adjust for the difference. The math (x over y times x over y) would produce population adjusted deaths, which then could be compared – at least for population size.

¹⁴⁵¹ Range based on State tallies using sources which counted deaths. There are estimates of 2,000-10,000 deaths, for which we find no explanation of how estimates were made. We suspect basis was spikes in deaths during high heat, and attribution of a percentage to heat, at least as a contributing or aggravating factor. Spikes in deaths during high heat can be associated with the heat. We seek, though, to provide tallies based on counting, not estimating.

¹⁴⁵² Low-end of range is from Census Bureau and reflects death certificates listing heat as primary cause of death. High-end of range reflects results of Dept. of Public Health funded study of late Sep heat wave deaths in So. CA, in which 546 excess deaths above the norm were reported during 9-day “hot spell.”

¹⁴⁵³ The figure 115 refers to reporting by LA Coroner’s Office of deaths directly attributable to the heat. The larger number is no doubt a compilation of daily “above-the-norm” deaths (compared to the previous year) reported by the Coroner. At beginning of heatwave it was dozens higher than the previous year. At the end it was hundreds. Some source (which the four sources we cite copy) has apparently compiled those figures to obtain 946.

- 31. 2010 -- excessive natural heat, esp. AZ/228, TX/64, CA/46, NV/46, TN/45, PA/37 -- 874
- 32. 2017 -- exposure to excessive natural heat, esp. AZ/264, NV/235, CA/93, TX/40 -- ≥817
- 33. 2016 -- exposure to excessive natural heat, esp. AZ (219), NV (89), CA (70), TX (86)-- 786

HEAT -- By MORTALITY (continued):

- 34. 1881 -- July 6-16 esp., heat/sunstroke, esp. OH/585 (Cincinnati/456), also Pittsburgh -- ≥687
- 35. 1917 -- summer to fall (esp.), excessive heat, New York City (530), State of NY -- 665
- 36. 2013 -- excessive natural heat, esp. AZ/151, NV/80, CA/67, TX/53, NY/42, IL/23 -- 651
- 37. 2002 -- excessive natural heat, esp. AZ/130, TX/62, PA/56, IL/54, MD/50, CA/44 -- 626
- 38. 1897 -- July 01-11, heat, esp. upper midwest/NE, esp. Chicago/Cincinnati/St. Louis--608-616
- 39. 1955 -- excessive natural heat (US Public Health Service code E931) -- 615
- 40. 1966 -- esp. late June-mid-July, heatwave/excessive heat, esp. St. Louis area, IL, NYC-- 613

- 41. 1983 -- July-Aug esp., heat (esp. July 15-30) esp. MO/70 KY/57 IL/53 GA/35 TX/35--595-597
- 42. 2007 -- excessive natural heat, esp. AZ/134, CA/74, TX/43, MO/39, TN/34, SC/26 -- 582
- 43. 1953 -- heat, the year, esp. Aug 22-Sep 5, esp. MO/71, NY/43, TX/41, PA/40 -- 576
- 44. 2015 -- exposure to excessive natural heat, esp. AZ/139; NV/69, TX/64, CA/51 -- 567
- 45. 2009 -- excessive natural heat, esp. AZ/156, TX/79, CA/63, FL/39, IL/21 -- 555
- 46. 1868 -- July 6-18, excessive heat/sunstroke, esp. NY/313, St. Louis/45, OH/42 -- 552
- 47. 1947 -- exposure to excessive natural heat, International List code 191 -- 540
- 48. 2001 -- excessive natural heat, esp. AZ/74, TX/59, MO/41, IL/38, FL/30, CA/29, PA/28--538
- 49. 1903 -- June-Aug (esp. July 1-11), heat, esp. NY/144, NJ/60, IN/17, Chicago/15, CT/18 -- 520
- 50. 2008 -- excessive natural heat, esp. AZ/112, TX/66, CA/51, PA/36, NV/35, NC/25 -- 502

- 51. 2000 -- excessive natural heat, esp. TX/135, AZ/66, CA/49, LA/23, MO/22, PA/17 -- 494
- 52. 1949 -- excessive heat (code E931) -- 488
- 53. 1925 -- May 31-June 07, heat wave, Northeast coast, esp. NYC and State -- 475
- 54. 1998 -- June-Aug, heat, esp. July, esp. TX/120 AZ/74 LA/41 CA/32 OK/32 FL&IL/18-- 435
- 55. 1872 -- July 1-7, heatwave and sunstroke, Boston, DC, Philadelphia, NJ, NYC -- ≥428
- 56. 2003 -- excessive natural heat, esp. AZ/153, TX/64, CA/39, FL/22, NV/21, MO/19 -- 426
- 57. 1951 -- excessive natural heat, USPHS *Vital Statistics -Mortality, 1951*, code E931 -- 422
- 58. 1898 -- Sep 01-7, heatwave, esp. NYC (196-304), NJ (40) and Philadelphia (30) --287-407
- 59. 1986 -- June-Aug, heat, esp. GA/41 TX/38 IL/30 AR/25 MS/23 CA/22 SC/22 NC/20 -- ≥400

- 60. 1948 -- heat, excessive, 1948 ICD code 191; includes Aug/Sep heatwave, esp. NYC/Philly-- 392
- 61. 1987 -- summer heat, esp. Philadelphia/50, MO/28, FL/24, GA/24, TX/23, AR/21¹⁴⁵⁴ -- 388
- 62. 2014 -- exposure to excessive natural heat, esp. AZ/91, CA/53, TX/38, NV/29 -- 360
- 63. 1981 -- June-Aug (esp.), heat, esp. CA/44, GA/32, TX/23, OR/19, AZ/17, NY/16 -- ≥345
- 64. 2004 -- excessive natural heat, especially AZ/130, TX/55, CA/39, FL/31, NV/14 -- ≥335
- 65. 1853 -- Aug 9-15, heat wave, New York City, Brooklyn, NY, Jersey City, NJ --308-324
- 66. 1993 -- June-Aug (esp.), heat, especially July 6-16 Philadelphia Heatwave (118) -- 311
- 67. 1977 -- excessive natural heat (esp. summer), ICD-8 E900, esp. MO/33, CA/NC/24 -- 308
- 68. 1990 -- June-Aug, esp., heat, esp. CA/44 deaths AZ/30 TX/29 LA/21 AR/17 MS/14 -- 300

¹⁴⁵⁴ Does not include 18 illegal immigrants who died of dehydration and heat in locked RR car, Sierra Blanca, TX.

HEAT -- By Mortality (continued):

69.	1918 -- Aug 02-14, esp. 6-8, heat wave, esp. Upper Midwest, Mid-Atlantic, Northeast --	294
70.	1902 -- June-Aug (especially July) heat, especially NY/46, Pittsburgh/18, MA/12 --	290
71.	1957 -- excessive natural heat (US Public Health Service code E931) --	280
72.	1969 -- excessive natural heat, ICD-8 code E900, especially CA/36, TX/28, AZ/22 --	271
73.	1959 -- excessive natural heat (US Public Health Service code E931) --	267
74.	1978 -- heat (esp. summer), ICD-8 E900 excessive natural heat, esp. TX/43, AZ/31, CA/27 --	267
75.	1996 -- June-Aug esp., heat, especially AZ/54, CA/40, TX/39, OK/15, GA/11, IL/10 --	249
76.	1849 -- summer-fall, heat/sunstroke, especially MA (63), NY (56), PA (26), LA/25 --	248
77.	1904 -- June-Aug, heat, especially NY (48), MA (25), NJ (25) and MI (12) --	235
78.	1968 -- excessive natural heat, ICD-8 code E900, esp. NY/22, OH/19, PA/16, CA/15 --	231
79.	1984 -- June-early Sep, heat, especially CA/53, TX/23, AZ/16, PA/15, NY/14 --	228
80.	1985 -- summer heat ICD-9 E900 (excessive heat/hyperthermia), esp. CA/29; GA/26 --	227
81.	1994 -- June-Aug esp., heat, esp. AZ/47 (esp. July), CA/33, PA/22 (esp. July 5-10), TX/16--	221
82.	1989 -- June-Aug (esp.), heat, esp. CA/32, TX/23, MO/~18, AZ/15, MS/10 --	201
83.	1991 -- June-Aug (esp.), heat, esp. July 15-27 Philadelphia heatwave (31); TX (25) --	200
84.	1963 -- excessive heat (code E931), esp. TX (26), CA (22), NY/11, AZ/10, NJ/10 --	196
85.	1982 -- June-Aug (esp.), heat (ICD Code E900, excessive heat/hyperthermia) --	196
86.	1964 -- excessive heat; Public Health Service, code E931, Vital Statistics-Mortality --	195
87.	1961 -- excessive heat (US Public Health Service code E931) --	191
88.	1975 -- excessive natural heat; ICD-8 code E900; esp. NY/27, MA/24 --	190
89.	1946 -- heat, excessive, International list code 191 --	182
90.	1997 -- June-Aug esp., heat, especially PA/36 IL/29 AZ/23 TX/22 CA/19 LA/11 --	182
91.	1973 -- excessive natural heat; ICD-8 code E900; esp. NY/31 VA/20 PA/16 MD/15 AZ/12--	181
92.	1926 -- July 18-24, heat wave, West, Mid-West, Mid-Atlantic, esp. Northeast --~	160-180
93.	1970 -- excessive natural heat, ICD-8 code E900, esp. CA/17 TX/16 AZ/15 WI/14 --	179
94.	1947 -- Aug 01-15, heat, esp. IL/48 & MO/66 (540 US excessive heat deaths/1947)--	168-175
95.	1956 -- heat, exposure to excessive natural (US Public Health Service code E931) --	174
96.	1960 -- excessive natural heat (US Public Health Service code E931) --	168
97.	1910 -- June 15-28, heat wave, esp. IL, IN, KS, MD, MI, MO, NJ, NY, OH, PA, WI --	165
98.	1927 -- July 12-17, heat-wave, especially the East, especially NJ, NY, PA --	126-161
99.	1992 -- July-Aug (especially), heat; especially CA/37, TX/20, AZ, GA, MS 10 each --	155
100.	1892 -- June-July, heat-related deaths, Midwest, Northeast, especially NYC, NY --	151
101.	1930 -- July-Aug, heat-waves, especially District of Columbia, MD, PA --	150
102.	1979 -- excessive heat, ICD-9 code E900, especially CA/AZ/TX --	148
103.	1909 -- Aug 09-17, heat, Midwest and Northeast, especially IL, MO, NB, NY, PA --	141
104.	1974 -- excessive natural heat; ICD-8 code E900; especially AZ/22 CA/16 TX/11 --	140
105.	1950 -- heat, excessive --	137
106.	1958 -- excessive natural heat; Public Health Service <i>Vital Statistics-Mortality 1958</i> --	137
107.	1938 -- July 28-Aug 15, heat, especially AZ, CA, New England, NY, PA --	127
108.	1971 -- excessive natural heat, ICD-8 code E900, especially CA (17) --	112
109.	1965 -- heat, excessive (code E391) --	106
110.	1976 -- excessive natural heat; ICD-8 code E900, especially CA/25 & AZ/11 --	100

HEAT – By Mortality – continued:

- 111. 1967 -- excessive natural heat (Public Health Service. *Vital Statistics 1967, Mortality*)-- 96
- 112. 1854 -- June 29-July 23, heat, especially St. Louis, MO and NYC, NY -- 91
- 113. 1885 -- July 15-26, heat, Philadelphia, PA -- 40
- 114. 1878 -- summer, heat, Cincinnati, OH -- ~10

HEAT – CHRONOLOGICAL

1. 1849 -- summer-fall, heat/sunstroke, esp. MA (63), NY (56), PA (26), LA/25, MO/11-- 248
2. 1853 -- Aug 9-15, heat-wave, New York City, Brooklyn, NY, Jersey City, NJ --308-324
3. 1854 -- June 29-July 23, heatwaves and sunstrokes, esp. St. Louis, MO; NYC, NY -- 91
4. 1868 -- July 6-18, excessive heat/sunstroke, esp. NY/313, St. Louis/45, OH/42 -- 552
5. 1872 -- July 1-7, heat-wave and sunstroke, Boston, DC, Philadelphia, NJ, NYC --> 428
6. 1878 -- summer, intense heat, sunstroke, Cincinnati, OH -- ~10
7. 1881 -- July 6-16 esp., heat/sunstroke, esp. OH/585 (Cincinnati/456), also Pittsburgh -- ≥687
8. 1885 -- July 15-26, excessive heat, Philadelphia, PA -- 40
9. 1892 -- June-July, heat-related deaths, Midwest, Northeast, esp. NYC, NY -- 151
10. 1896 -- Aug 01-14~, heat, esp., NY/891, IL/277, PA/226, NJ/168, MO/81, WI/77 --2,038
11. 1897 -- July 01-11, heat, esp. upper midwest/NE, esp. Chicago/Cincinnati/St. Louis--608-616
12. 1898 -- Sep 01-7, heatwave, esp. NYC (196-304), NJ (40) and Philadelphia (30) --287-407
13. 1900 -- July-Aug (esp.) heat, esp. NY/361, NJ/119, Chicago/102, St. Louis/90, PA/90 --1,266
14. 1901 -- June-July, heat-waves, except Pacific NW, esp. Northeast, June 27-July 6 --4,012
15. 1902 -- June-Aug (especially July) heat, especially NY/46, Pittsburgh/18, MA/12 -- 290
16. 1903 -- June-Aug (esp. July 1-11), heat, esp. NY/144, NJ/60, IN/17, Chicago/15, CT/18--520
17. 1904 -- June-Aug, heat, especially NY (48), MA (25), NJ (25) and MI (12) -- 235
18. 1909 -- Aug 9-17, heat-wave, Midwest and Northeast, esp. IL, MO, NB, NY, PA -- 141
19. 1910 -- June 15-28, heat-wave, esp. IL, IN, KS, MD, MI, MO, NJ, NY, OH, PA, WI -- 165
20. 1911 -- heat waves/excessive heat deaths, esp. June 4-23, July 1-13, esp. MW, NE ~2,190
21. 1913 -- heat, esp. June 25-July 1, esp. PA/237, OH/178, MO/114, IL/92, NY/80 --1,226
22. 1916 -- June 18-Aug 22, heat-waves, esp. Chicago, Detroit, Milwaukee, St. Louis, NY--~895
23. 1917 -- summer to fall (esp.), excessive heat, New York City (530), State of NY -- 665
24. 1918 -- Aug 2-14, esp. 6-8, heat-wave, esp. Upper Midwest, Mid-Atlantic, Northeast -- 294
25. 1925 -- excessive heat, especially NY (439), PA (299), NJ (112), CA (69), MA (65) --1,587
26. 1926 -- July 18-24, heat-wave, West, Mid-West, Mid-Atlantic, esp. Northeast ---~160-180
27. 1927 -- July 12-17, heat-wave, especially the East, especially NJ, NY, PA --126-161
28. 1930 -- July-Aug, heat-waves, especially District of Columbia, MD, PA -- 150
29. 1931 -- Jun-Sep, heat-waves/excessive heat, West, Midwest, NE, esp. IL, IA, WI --2,768
30. 1934 -- summer, esp. mid-July-mid-Aug heat, esp. Midwest, esp. MO, IL, KS, OH --3,250
31. 1936 -- July-Aug (esp.), heat, esp. MN/772, MO/644, IL/634, MI/617, WI/500 --4,678-5,418
32. 1938 -- July 28-Aug 15, heat-waves, nation, esp. AZ, CA, New Eng., NY, PA -- 127
33. 1939 -- June-Sep, heat, esp. Sep 15-23, Los Angeles (546), TX (42), MO (37)¹⁴⁵⁵ --527-1,073

¹⁴⁵⁵ Census low reflects death certificates listing heat as primary cause of death. High from Dept. of Public Health study of late Sep So. CA heat deaths where 546 excess deaths above norm reported during 9-day “hot spell.”

HEAT – CHRONOLOGICAL – continued:

34. 1946 -- heat, excessive, International list code 191 -- 182
35. 1947 -- heat, excessive, International list code 191 -- 540
36. 1947 -- Aug 01-15, heat, esp. IL/48 & MO/66 (540 US excessive heat deaths/1947)--165-175
37. 1948 -- heat, excessive, 1948 ICD code 191; includes Aug/Sep heatwave, esp. NYC/Philly-- 392
38. 1949 -- excessive heat (code E931) -- 488

39. 1950 -- heat, excessive -- 137
40. 1951 -- excessive natural heat, USPHS *Vital Statistics -Mortality, 1951*, code E931 -- 422
41. 1952 -- excessive natural heat, Sixth Revision of International Lists, 1948, code E931 --1,401
42. 1953 -- excessive heat, the year, esp. Aug 22-Sep 5, esp. MO/71, NY/43, TX/41, PA/40--576
43. 1954 -- heat (esp. July), esp. MO/235, OK/178, KS/139, TX/95, IL/50, GA/39 --978-984
44. 1955 -- excessive natural heat (US Public Health Service code E931) -- 615
45. 1955 -- Aug 31–Sep 9, heatwave/excessive deaths, greater Los Angeles, CA¹⁴⁵⁶ --115-946
46. 1956 -- heat, exposure to excessive natural (US Public Health Service code E931) -- 174
47. 1957 -- excessive natural heat (US Public Health Service code E931) -- 280
48. 1958 -- excessive natural heat; Public Health Service *Vital Statistics-Mortality 1958* -- 137
49. 1959 -- excessive natural heat (US Public Health Service code E931) -- 267

50. 1960 -- excessive natural heat (US Public Health Service code E931) -- 168
51. 1961 -- excessive heat (US Public Health Service code E931) -- 191
52. 1962 -- excessive heat (code E931) -- 154
53. 1963 -- excessive heat (code E931), esp. TX (26), CA (22), NY/11, AZ/10, NJ/10 -- 196
54. 1964 -- excessive heat; Public Health Service, code E931, *Vital Statistics-Mortality* -- 195
55. 1965 -- heat, excessive (code E391) -- 106
56. 1966 -- esp. late June-mid-July, heatwave/excessive heat, esp. St. Louis area, IL, NYC-- 613
57. 1967 -- excessive natural heat (Public Health Service. *Vital Statistics 1967, Mortality*)-- 96
58. 1968 -- excessive natural heat, ICD-8 code E900, esp. NY/22, OH/19, PA/16, CA/15 -- 231
59. 1969 -- excessive natural heat, ICD-8 code E900, especially CA/36, TX/28, AZ/22 -- 271

60. 1970 -- excessive natural heat, ICD-8 code E900, esp. CA/17 TX/16 AZ/15 WI/14 -- 179
61. 1971 -- excessive natural heat, ICD-8 code E900, especially CA (17) -- 112
62. 1972 -- excessive heat; heat as contributing factor, esp. July 12-25 NYC/891, MD/269--1,324
63. 1973 -- excessive natural heat; ICD-8 code E900; esp. NY/31 VA/20 PA/16 MD/15 AZ/12-- 181
64. 1974 -- excessive natural heat; ICD-8 code E900; especially AZ/22, CA/16, TX/11 -- 140
65. 1975 -- excessive natural heat; ICD-8 code E900; especially NY/27, MA/24 -- 190
66. 1976 -- excessive natural heat; ICD-8 code E900; especially CA/25 & AZ/11 -- 100
67. 1977 -- excessive natural heat; ICD-8 code E900; especially MO/33, CA/24, NC/24 -- 308
68. 1978 -- excessive natural heat (esp. summer), ICD-8 E900, esp. TX/43, AZ/31, CA/27-- 267
69. 1979 -- June-Aug esp., excessive natural heat, ICD-9 code E900; esp. CA, AZ, TX -- 148

¹⁴⁵⁶ Number 115 refers to LA Coroner's Office reporting of deaths directly attributable to the heat. Larger number is no doubt a compilation of daily "above-the-norm" deaths (compared to previous year) reported by the Coroner. At the beginning of the heatwave it was dozens higher than the previous year. At the end it was hundreds. Some source (which the four sources we cite copy) has apparently compiled those figures to obtain 946.

HEAT – CHRONOLOGICAL – continued:

70. 1980 -- June-Sep, heat, esp. Midwest & So. Plains, esp. MO/TN/AR/TX/MS¹⁴⁵⁷ --1,863-1,904
71. 1981 -- June-Aug (esp.), heat, esp. CA/44, GA/32, TX/23, OR/19, AZ/17, NY/16 -- ≥345
72. 1982 -- June-Aug (esp.), excessive natural heat; ICD code E900 -- 196
73. 1983 -- July-Aug esp., heat (esp. July 15-30) esp. MO/70 KY/57 IL/53 GA/35 TX/35--595-597
74. 1984 -- June-early Sep, heat, especially CA/53, TX/23, AZ/16, PA/15, NY/14 -- 228
75. 1985 -- excessive natural heat; ICD-9 code E900; especially CA/29; GA/26 -- 227
76. 1986 -- June-Aug, heat, esp. GA/41 TX/38 IL/30 AR/25 MS/23 CA/22 SC/22 NC/20 -- ≥400
77. 1987 -- summer heat, esp. Philadelphia/50, MO/28, FL/24, GA/24, TX/23, AR/21¹⁴⁵⁸ -- 388
78. 1988 -- heat, summer (esp.); esp. IL/341, MI/121, IN/~44, MO/~44, MA/40, CA/37 --913-921
79. 1989 -- June-Aug (esp.), heat, esp. CA/32, TX/23, MO/~18, AZ/15, MS/10 -- 201
80. 1990 -- June-Aug, esp., heat, esp. CA/44 deaths, AZ/30, TX/29, LA/21, AR/17, MS/14-- 300
81. 1991 -- June-Aug (esp.), heat, esp. July 15-27 Philadelphia heat-wave (31); TX (25) -- 200
82. 1992 -- July-Aug (especially), heat; especially CA/37, TX/20, AZ, GA, MS 10 each -- 155
83. 1993 -- June-Aug (esp.), heat, especially July 6-16 Philadelphia heatwave (118) -- 311
84. 1994 -- June-Aug esp., heat, esp. AZ/47 (esp. July), CA/33, PA/22 (esp. July 5-10), TX/16-- 221
85. 1995 -- June-Aug, esp. July 12-17, heat, esp. IL/>700 WI/154 PA/146 MO/58 --1,563-1,601
86. 1996 -- June-Aug esp., heat, especially AZ/54, CA/40, TX/39, OK/15, GA/11, IL/10 -- 249
87. 1997 -- June-Aug esp., heat, especially PA/36, IL/29, AZ/23, TX/22, CA/19, LA/11 -- 182
88. 1998 -- June-Aug, heat, esp. July, esp. TX/120 AZ/74 LA/41 CA/32 OK/32 FL&IL/18-- 435
89. 1999 -- excessive natural heat, esp. IL/153, PA/97, MO/92, TX/63, AZ/58, NY/56 --1,050
90. 2000 -- excessive natural heat, esp. TX/135, AZ/66, CA/49, LA/23, MO/22, PA/17 -- 494
91. 2001 -- excessive natural heat, esp. AZ/74, TX/59, MO/41, IL/38, FL/30, CA/29, PA/28--538
May ~24, illegal immigrants abandoned by smugglers die of heat, AZ desert--14
92. 2002 -- excessive natural heat, esp. AZ/130, TX/62, PA/56, IL/54, MD/50, CA/44 -- 626
93. 2003 -- excessive natural heat, esp. AZ/153, TX/64, CA/39, FL/22, NV/21, MO/19 -- 426
94. 2004 -- excessive natural heat, especially AZ/130, TX/55, CA/39, FL/31, NV/14 -- ≥335
95. 2005 -- excessive natural heat, esp. AZ/244, NYC/~140, TX/111 CA/64, MD/47, NV/43--939
96. 2006 -- excessive natural heat, esp. CA/194, AZ/169, NY/148, TX/106, IL/51, PA/50 --1,104
97. 2007 -- excessive natural heat, esp. AZ/134, CA/74, TX/43, MO/39, TN/34, SC/26 -- 582
98. 2008 -- excessive natural heat, esp. AZ/112, TX/66, CA/51, PA/36, NV/35, NC/25 -- 502
99. 2009 -- excessive natural heat, esp. AZ/156, TX/79, CA/63, FL/39, IL/21 -- 555
100. 2010 -- excessive natural heat, esp. AZ/228, TX/64, CA/46, NV/46, TN/45, PA/37 -- 874
101. 2011 -- excessive natural heat, esp. TX/183, AZ/177, PA/57, MO/52 IL/50 NY/45 --1,060
102. 2012 -- excessive natural heat, esp. AZ/209, CA/66, TX/62, IL/54, MO/54, MD/46 -- 879
103. 2013 -- excessive natural heat, esp. AZ/151, NV/80, CA/67, TX/53, NY/42, IL/23 -- 651

¹⁴⁵⁷ Range based on State by State tally using sources which actually counted deaths. There are “estimates” for 1980 of 2,000-10,000 deaths, for which we find no explanation of how the estimates were made. We suspect they were based on looking at spikes in deaths during high heat, and attributing a percentage of the spikes to heat, at least as a contributing or aggravating factor. No doubt it is true that spikes in deaths during high heat can be associated with the heat. However, we seek to provide tallies based on counting, as opposed to estimating.

¹⁴⁵⁸ Does not include 18 illegal immigrants who died of dehydration and heat in locked RR car, Sierra Blanca, TX.

- 104. 2014 -- exposure to excessive natural heat, esp. AZ/91, CA/53, TX/38, NV/29 -- 360
- 105. 2015 -- exposure to excessive natural heat, esp. AZ/139; NV/69, TX/64, CA/51 -- 567
- 106. 2016 -- exposure to excessive natural heat, esp. AZ (219), NV (89), CA (70), TX (86)-- 786
- 107. 2017 -- exposure to excessive natural heat, esp. AZ (264), NV (235), CA/93, TX/40 -- \geq 817
- 108. 2018 -- excessive natural heat, esp. AZ/252, Clark Co., NV/163, CA/106, TX/89 --1,012
- 109. 2019 -- exposure to excessive natural heat, esp. AZ/283, TX/101, NV/88 --911-915

HEAT – Chronological – continued:

- 110. 2020 -- excessive natural heat; esp. AZ/522, CA/137, Clark Co., NV/124 --1,184
- 111. 2021 -- excessive natural heat, esp. AZ/854, WA/170, NV/166, CA/140, OR/133 --1,923
- 112. 2022 -- excessive natural heat, esp. AZ/1,030, esp. Maricopa County/425, TX/203 --2,159
- 113. 2023 -- excessive natural heat, esp. AZ/867, TX/440, NV/208, LA/82, FL/81, CA/75--2,155
- 114.

HURRICANES & Tropical Storms – Deadliest American -- By MORTALITY

1. 1900 -- Sep 09, hurricane, Galveston and southeast coastal area, TX --7,200-12,000
2. 1899 -- Aug 8-19, San Ciriaco Hurricane esp. Puerto Rico/3433 & NC/73, Aug 17/18 --3,507
3. 1928 -- Sep 16, Great Okeechobee Hurricane and Flooding, Southeast FL --2,500-3,000
4. 2017 -- Sep 20, Hurricane Maria, Puerto Rico (2,975), US Virgin Isl. (2), NJ (3) --2,980
5. 1893 -- Aug 27-29, Hurricane, Sea Islands, SC-GA --1,000-2,500
6. 1893 -- Oct 1-2, Hurricane Cheniere Caminanda, MS, AL, esp. LA --1,700-2,000
7. 2005 -- Aug 25-31, Hurricane Katrina, FL, LA, esp. NOLA & MS¹⁴⁵⁹ --≥1,833-1,836
8. 1553 -- Hurricane, Lower Coast of TX --1,700
9. 1919 -- Sep 10-14 --Hurricane, Florida Keys, Gulf & Corpus Christi area, TX --727-1,131
 Sep 12, Spanish liner *Valbanera* sinks off Rebecca Shoal, Dry Tortugas, FL -- 488
10. 1715 -- July 31, Hurricane, Spanish ships ground, Fort Pierce-Wabasso Beach, FL --1,000
11. 1818 -- Sep 12-13, Hurricane, Galveston Island and ships in the area (14 lost), TX --<1,000

12. 1938 -- Sep 21, Long Island, NY & New England Hurricane, esp. RI, MA, CT --682-712
13. 1881 -- Aug 27, Hurricane, northeast GA, esp. Savannah/southeast SC/maritime -- ~700
14. 1559 -- Sep 19-20, Hurricane, Spanish ships and colonists, west coast of FL --?-600
15. 1873 -- Aug 14-27, “Nova Scotia” Hurricane -- >600
16. 1957 -- June 26-28, Hurricane Audrey, SW LA/526; also TX, IL, IN, NY, Canada --545-550
17. 1915 -- Aug 16-17/19-20, Hurricane/trop. storm, Gulf, SE TX coast, remnant, MO --453-510
18. 1804 -- Sep 7-9, Hurricane, esp. areas of Savannah, GA, Charleston, SC, maritime -- ~500
19. 1935 -- Aug 31-Sep 10, Labor Day Hurricane, Florida Keys, esp. Upper FL Keys --408-500
20. 1683 -- Unnamed, Florida East Coast -- 496
21. 1857 -- Sep 12, Hurricane, steamer *Central America* sinks, Blake Plateau off Charleston SC--400-427
22. 1926 -- Sep 17–18, Great Miami Hurricane, FL (also Sep 20, FL, AL, MS) --372-408
23. 1944 -- Sep 12-15, Great Atlantic Hurricane, NC-ME, esp. MA/NY, USCG/USN/341--<385-395
24. 1909 -- Sep 20-21, Hurricane, LA/MS; esp. Terrebonne Parish, LA --350-353
25. 1856 -- Aug 10-11, Hurricane Isle Derniere/Last Island, LA (*Nautilus & Manila* lost) --264-338
26. 1969 -- Aug 17-20, Hurricane Camille, esp. So. MS, So./SE LA, Nelson Co. VA --299-335
27. 1906 -- Oct 18-21, hurricane, Florida Keys and Maritime, FL --211-328
28. 1928 -- Sep 13, San Felipe Segundo Hurricane, Puerto Rico¹⁴⁶⁰ -- 312
29. 1822 -- Sep 27-28, hurricane, SC, NC, VA, especially Charleston and nearby coastal SC-- ~300
30. 1915 -- Sep 29-Oct 1, hurricane, LA and MS Coasts --275-279
31. 1875 -- Sep 15-18, hurricane, esp. Sabine Pass to Indianola, Matagorda Bay, TX -- ≥270
32. 1898 -- Oct 02, hurricane, FL/2, GA/247-258, SC/6-9 (loss frequently noted as 179)--255-269
33. 1932 -- Sep 26-27, San Ciprian Hurricane, Puerto Rico -- 257
34. 1866 -- Oct 03, hurricane, steamer *Evening Star* sinks, ~100M off Tybee Island, GA- 247-255
35. 1955 -- Aug 18-19, Hurricane Diane Flooding, esp. PA/~100, CT/87, MA/13, NJ/6 --211-229
36. 1527 -- Nov, hurricane, Matagorda Bay, TX -- 200
37. 1785 -- Sep 02, hurricane, immigrant ship *Faithful Steward* sinks, coast of DE¹⁴⁶¹ -- >200

¹⁴⁵⁹ There were 2 deaths in AL and 2 in GA. The numbers reflect those generally reported. We note “≥” (at least) in that there still are over 100 missing and presumed dead, as well as unreported health-related indirect deaths.

¹⁴⁶⁰ Same hurricane hit FL three days later. In that the “Great Okeechobee Hurricane and Flood” receives more attention -- due to very large loss of life -- and overshadows PR loss of life, we treat the hurricane separately here.

¹⁴⁶¹ Cross-listed in Maritime.

38. 1819 -- July 27-28, Bay St. Louis Hurricane, Mobile AL (also LA and MS) --43-200

HURRICANES and Tropical Storms--Deadliest American-- By MORTALITY (continued):

39. 1896 -- Sep 28-30, hurricane, FL/~100, GA/38, SC/30, NC/1 VA/13 MD/8 PA/6 DC/3--~199
40. 2012 -- Oct 29-30, Hurricane Sandy, Mid-Atlantic, esp. NY, NJ, also PA, MD, CT, WV¹⁴⁶²--154-182
41. 1824 -- Sep 14-15, offshore and coastal GA Hurricane, landfall near St. Simons, GA -- ≥169
42. 1775 -- Sep 02-06, hurricane, NC, VA -- 163
43. 1906 -- Sep 27, hurricane, Mobile County, AL/≥109, Pensacola FL/≥39, MS/≥4 -- ≥152
44. 1960 -- Sep 06, 9-14, Hurricane Donna, Puerto Rico/107, US East Coast/44, esp. FL/13-- 151
45. 1886 -- Oct 11-13, hurricane, Cameron Parish LA/50; E.TX, esp. Beaumont/Sabine Pass, TX--150
46. 1972 -- June 18-26, Hurricane/Tropical Storm Agnes and flooding, East Coast --145-146
47. 2022 -- Sep 28-29, Hurricane Ian, FL/139-140, esp. Lee County (62), NC/5, VA/1 --145-146
48. 1849 -- Oct 6-7, hurricane/severe storm, *St. John & Levi Woodbury* wreck, MA -- 143
49. 1903 -- Sep 14-17, Atlantic Coast hurricane, NC, VA, DE, NJ, NY, ME --57-125
50. 2005 -- Sep 22-24, Hurricane Rita, FL Keys, Louisiana and especially Texas --111-124
51. 1954 -- Oct 15-16, Hurricane Hazel, esp. PA/26, NY/21, NC/19, VA/13, MD/11, NJ-103-108
52. 1992 -- Aug 24, 26, Hurricane Andrew, FL (89-90) esp. Dade Co., and LA (17) --106-107
53. 2017 -- Sep 6, Hurricane Irma, PR, US Virgin Isl.; Sep 10-11, GA, SC, NC, esp. FL -- 107
54. 1800 -- ~Sep, revenue cutter brig USS *Pickering* lost, gale/hurricane off FL¹⁴⁶³ --70-105
55. 1965 -- Sep 7-10, Hurricane Betsy, SE FL, esp. LA (levee break), also AR, MS --93-105
56. 1752 -- Sep 15, hurricane, esp. Charleston, SC and Johnston, NC -- 103
57. 1554 -- April, hurricane, today's Brownsville, TX --50-100
58. 1700 -- Sep 14, hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC¹⁴⁶⁴ -- ~100
59. 1812 -- Aug 19-20, New Orleans, LA -- 100
60. 1837 -- Oct 9, hurricane Racer's Storm, steamer *Home* founders off Ocracoke NC¹⁴⁶⁵-90-100
61. 1867 -- Oct 1-3 or 7-8, hurricane E. TX Coast, esp. Brownsville & Matamoros -->25-100
62. 2008 -- Sep 12-14,¹⁴⁶⁶ Hurricane Ike, AR, IL, IN, KY, LA, MI, OH, PA, TN, esp. TX -- ≥92
63. 2021 -- Aug 29-Sep 1, Hurricane Ida & remnants, mid-Gulf Coast and Northeast -- 91
64. 1846 -- Oct 12, Great Havana Hurricane, Florida, esp. Keys, East Coast to NY --60-90
65. 1863 -- Aug 21, USS *Bainbridge* Capsizes, hurricane, off Cape Hatteras, NC¹⁴⁶⁷ --80-90
66. 1999 -- Sep 15-17, Hurricane Floyd, Mid Atlantic, Northeast, particularly NC --88-89
67. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, Southeast TX, esp. Houston -- ≥89
68. 1989 -- Sep 18 (Puerto Rico); 21-22 (SC/NC), Hurricane Hugo, also VA, NY, USVI --59-86
69. 1916 -- July 15-16, tropical storm, flooding SC, VA, TN, WV, esp. NC --26-80
70. 1985 -- Nov 4-5, flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)¹⁴⁶⁸ --71-74

¹⁴⁶² The range is explained by one NYC death which is not on NYC official list, and 27 NJ deaths reported in aggregate (not individually identifiable), reported during roughly 2nd to 7th month afterwards by NJ MEO.

¹⁴⁶³ Cross-listed in Maritime.

¹⁴⁶⁴ Cross-listed in Maritime.

¹⁴⁶⁵ Cross-listed in Maritime.

¹⁴⁶⁶ NWS has Ike's life as Sep 1-14. We use Sep 12-14 in that the storm was off Texas coast on the 12th when deaths started occurring, making landfall the morning of Sep 13. The storm remnants moved up through the Midwest and easterly into southern Ontario and Quebec, Canada leading to direct loss of life due to flooding and high-wind tree/branch fall deaths through the 14th. Brown, et al. "Atlantic Hurricane Season of 2008," MWR, 5-2010.

¹⁴⁶⁷ Cross-listed in Maritime.

71. 1878 -- Oct 21-24, hurricane/land & maritime, NC, VA, MD, DE, PA, NJ, CT ¹⁴⁶⁹	--70-72
72. 2004 -- Sep 15-18, Hurricane Ivan, tornadoes, AL, GA, MD, MS, NC; esp. FL	--51-72
73. 1713 -- Sep 16-17, Hurricane, Charleston and vicinity, South Carolina	-- 70
74. 1844 -- Aug 06, hurricane, today's Brownsville, TX area, esp. Brazos Santiago, TX	-- 70
75. 1880 -- Aug 28, <i>City of Vera Cruz</i> sinks in hurricane off Mosquito Inlet, FL ¹⁴⁷⁰	-- 68
76. 1954 -- Aug 30-31, Hurricane Carol, esp. New England, esp. MA/33, RI/17, ME/NH/3	--65-68
77. 1975 -- Sep 16-27, ¹⁴⁷¹ TS/Hurricane Eloise & remnants, PR, FL Gulf (23 rd), US East	-- 68
78. 1879 -- Aug 18-19, Hurricane, SC, NC, MD, PA, DE, NJ, NY, CT, MA ¹⁴⁷²	--46-67
79. 2004 -- Sep 05-08, Hurricane Frances, FL, GA, SC, NC, OH (esp. FL)	-- 64

HURRICANES and Tropical Storms-- Deadliest American -- **By MORTALITY** (Cont.)

80. 2018 -- Oct 10, Hurricane Michael ~Mexico Beach, FL, deaths also in GA/NC/VA	--57-59
81. 1841 -- Oct 03-04, New England hurricane	-- 58
82. 2018 -- Sep 14, Hurricane Florence (Wrightsville Beach landfall); NC/SC/VA aftermath	--55-57
83. 2003 -- Sep 18-19, Hurricane Isabel, East Coast, especially VA and MD	--55-56
84. 2011 -- Aug 27-28, Hurricane Irene, CT/DE/FL/MD/MA/NH/NJ/NY/NC/PA/VA/VT	-- 55
85. 1939 -- Sep 25, tropical storm, esp. boating off Long Beach/San Pedro areas, CA ¹⁴⁷³	--50-54
86. 1883 -- Sep 11, Hurricane Three, SC, NC (53) VA (12 th), especially NC	-- 53
87. 1925 -- Nov 30-Dec 02, hurricane, Tampa/4 and maritime losses off east coast of FL	-- 53
88. 2001 -- June 05-17, Tropical Storm Allison, FL/LA/MS/NC/PA/VA, especially TX	--52-53
89. 2008 -- Sep 01, Hurricane Gustav, FL, GA, MS and especially LA	-- 53
90. 2016 -- Oct 07-09, Hurricane Matthew & aftermath, FL/13, GA/3, SC/5, NC/30, VA/2--	53
91. 1870 -- Oct 20, steamer <i>Varuna</i> sinks in hurricane, 35M NE of Jupiter Inlet, FL	-- 52
92. 1970 -- Oct 05-10, Tropical storm/flooding (18 confirmed, 34 missing), Puerto Rico	--18-52
93. 1921 -- Sep 07, South TX, Flash Flood, San Antonio, TX	-- 51
94. 1933 -- Aug 23-24, hurricane, MD (12-14), NJ (2-3), NY (2-3), PA (11), VA (16-18)	--45-51
95. 1947 -- Sep 17-19, Fort Lauderdale Hurricane, FL (17), LA (12), MS (22)	-- 51
96. 1747 -- Sep 15, unnamed hurricane, ship of immigrants sunk Rappahannock River, VA--	>50
97. 1772 -- Sep 01, tropical storm, 14 vessels grounded, Ocracoke Bar, NC	-- 50
98. 1889 -- Sep 9-12, hurricane/severe storms mid-Atlantic coast, esp. DE/VA/MD/PA/NJ/NY	--40-50
99. 1860 -- Aug 11, hurricane, LA	-- 47
100. 1932 -- Aug 13-14, hurricane, Brazoria County (≥ 41) and Galveston Co. (5), TX	--46-47
101. 1961 -- Sep 11-14, Hurricane Carla, LA/6, KS/5, MO/1, central TX/34	-- 46
102. 1897 -- Sep 08, hurricane, North-Central Atlantic	-- 45
103. 1955 -- Aug 11-13, Hurricane Connie, esp. NC/2, VA/2, DC/4, MD/14, PA/9, NY/12--	43
104. 1806 -- Aug 21-24, hurricane, Carolinas coastal/maritime, <i>Rose in Bloom</i> upset, NJ ¹⁴⁷⁴ --	42

¹⁴⁶⁸ Cross-listed in Flooding. This is a separate entry from the Oct 27-31 entry for Hurricane Juan in the Gulf Coast and coastal Louisiana.

¹⁴⁶⁹ Cross-listed in Maritime (54 maritime fatalities)

¹⁴⁷⁰ Cross-listed in Maritime.

¹⁴⁷¹ National Hurricane Center shows dates as Sep 13-24. We start with Sep 16 when Tropical Storm Eloise hit Puerto Rico, and we end on the 27th when Eloise remnants, causing flooding and taking lives, cleared.

¹⁴⁷² Maritime component cross-listed in Maritime.

¹⁴⁷³ Cross-listed in Maritime.

¹⁴⁷⁴ Cross-listed in Maritime. Majority of deaths were maritime (21 from *Rose In Bloom* alone).

105. 1909 -- July 21, hurricane, Velasco/Freeport, Brazoria Co., TX landfall; also LA/2 --40-42
 106. 1964 -- Oct 03-04, Hurricane/Tropical Storm Hilda/Tornadoes, LA, MS, SE Coast -- 42
 107. 1996 -- Sep 05-6, Hurricane Fran, SC, NC, VA, WV, MD, DC, PA, especially NC --40-42
 108. 1910 -- Oct 17-20, hurricane, Key West, Florida to Virginia; all deaths in or off FL --37-41
 109. 1904 -- Sep 14-15, hurricane, NC to MA; DE/9 MD/3 MA/1 NJ/11 NY/2 SC/8-14 --35-41
 110. 1758 -- hurricane, San Marcos de Apalache Spanish fortification, St. Marks, FL -- 40
 111. 1853 -- Sep 06-07, hurricane, western Atlantic -- 40
 112. 1933 -- Sep 4-5, SW TX hurricane, Brownsville, Fort Ringgold, Harlingen, Rio Hondo --37-40
 113. 2004 -- Aug 13-14, Hurricane Charley, FL, SC, NC, VA, esp. SW & Central FL¹⁴⁷⁵ --34-40

HURRICANES & Tropical Storms – Deadliest American -- By MORTALITY (cont.)

114. 1815 -- Sep 23, “Great September Gale of 1815,” NY, New England -- >38
 115. 1838 -- Sep 07, hurricane, near Cape Florida, FL -- 38
 116. 1886 -- Aug 19-20, tropical cyclone, TX, especially Indianola, TX -- 38
 117. 1834 -- Sep 04, hurricane, SC -- 37
 118. 1863 -- May 26, tropical storm, Northeast Gulf of Mexico -- 37
 119. 1869 -- Oct 04, hurricane, coastal New Brunswick, Canada, NY, ME -- 37
 120. 1994 -- July 04-10, Tropical Storm Alberto, flooding, dam failures, AL, esp. GA¹⁴⁷⁶--34-37
 121. 2005 -- Oct 24, Hurricane Wilma, Category 3, landfall SW coast of Florida --26-37
 122. 1940 -- Aug 11-12, hurricane, GA (2) and SC (34) -- 36
 123. 1635 -- Aug 25, Great Colonial Hurricane, New England -- 35
 124. 1821 -- Sep 15, hurricane, MS -- 35
 125. 1916 -- July 04-10, hurricane, Gulf of Mexico and Gulf States -- 34
 126. 1918 -- Aug 06-07, Hurricane One, 1918 season, southwest Louisiana, category 3 -- 34
 127. 1978 -- July 30-Aug 04, Tropical Storm Amelia & remnants, flash flooding, TX¹⁴⁷⁷ --33-34
 128. 1995 -- Oct 04, Hurricane/Tropical Storm Opal, FL panhandle, NC, esp. AL & GA --30-34
 129. 1861 -- Nov 02-3, hurricane, NC, MA (RI ship *Maritana* grounds near Boston Light)-- 33
 130. 1893 -- Oct 11-13, hurricane and remnants, esp. FL/3, GA, SC/22, NC/4, NY/4 --28-33
 131. 2015 -- Oct 01, US cargo ship *El Faro* sinks/Hurricane Joaquin, off east Bahamas¹⁴⁷⁸-- 33
 132. 1869 -- Sep 8, hurricane, sch. *Eliza* wrecks (Peak’s Isl. ME). *Yankee Girl* lost, MA & RI--31
 133. 2020 -- Aug 27, Hurricane Laura, southeast TX/4; especially southwest Louisiana/27-- 31
134. 1821 -- Sep 03, hurricane, VA, MD, DE, PA, NJ, NY, MA, CT -- ~29
 135. 1911 -- Aug 27-29, hurricane, FL (1), GA, SC (28) (includes schooner May loss) -- 29
 136. 1970 -- Aug 03-4, Hurricane Celia, So. TX (15), esp. Corpus Christi & off FL (14)¹⁴⁷⁹-- 29
 137. 1878 -- Oct 09-13, tropical cyclone, coastal New England -- 27
 138. 1854 -- Sep 07-13, hurricane, Mid-Atlantic Coast -- 26
 139. 1933 -- Sep 15-16 hurricane, coastal NC (21), VA (2-4), PA (1)¹⁴⁸⁰ --23-26

¹⁴⁷⁵ The range has to do with (1) the numbers sources reported for Florida fatalities, and (2) our uncertainty concerning the report of an indirect death in South Carolina, which we have not been able to identify.

¹⁴⁷⁶ Cross-listed in Flooding and in Structural Failures--Dams.

¹⁴⁷⁷ Cross-listed in Flooding.

¹⁴⁷⁸ Cross-listed in Maritime. There were twenty-eight U.S. nationals and five Polish nationals.

¹⁴⁷⁹ There were also 5 fatalities in Cuba.

140. 1865 -- Sep 13, hurricane, Cameron, LA landfall -- 25
141. 1885 -- Aug 24-26, hurricane, FL/1, GA/2, NC, SC/21, New England, Atlantic/1 -- 25
- 3 steamer/pilot boat *F. W. Schafer No. 4* (or possibly Sheper), SC
 - 3 schooner *Gustie Wilson*, SC
 - 6 schooner *John Stoddard*, SC
 - 1 Italian bark *Marianina*, Atlantic, about 50 miles off Charleston, SC
 - 5 schooner *Walter Smith*, SC
 - 1 steamer *William Lawrence*, GA
 - 1 unidentified small craft, Savannah, GA
142. 1926 -- Aug 25-26, hurricane, east coast of Louisiana moving into central LA -- 25
143. 1959 -- Sep 29-30, Hurricane Gracie SC/9 NC/1 GA/1, Gracie-spawned tornadoes VA/12--25
144. 1813 -- Aug 27-28, hurricane, Charleston, storm surge overruns Sullivan's Isl., SC --23-24
145. 1980 -- Aug 6-10, Hurricane Allen, TX & off LA coast (including copter crash 13) -- 24
146. 1996 -- Sep 09, Hurricane Hortense, rain, flash floods, mudslides, Puerto Rico --21-24
147. 1787 -- Sep 19, hurricane, damage to shipping/property, Beaufort to Georgetown, SC-- 23
148. 1979 -- Aug 30-Sep 6, Hurricane David, Puerto Rico (Aug 30-31) and East Coast --21-22
149. 2004 -- Sep 25-28, Hurricane Jeanne and remnants, esp. FL (also GA/SC/NC/VA) -- 22
150. 2011 -- Sep 2-10, Tropical Storm Lee, AL/GA/LA/MS/TX/TN/VA/MD/PA/NJ/NY -- 22
151. 1635 -- Aug 14/15, tropical storm, *Watch and Wait* wrecks, Thacher Isl., MA¹⁴⁸¹ -- 21
152. 1954 -- Sep 11, Hurricane Edna, northeast, esp. New Eng., ME/8, MA/4, NY/6, RI/2-- 21
153. 1983 -- Aug 18, Hurricane Alicia, Galveston, greater Houston & Southeast Texas -- 21

HURRICANES & Tropical Storms – Deadliest American -- By MORTALITY (continued)

154. 1813 -- Sep 16, hurricane/gale, US Navy *Gun Boat No. 164* sinks, St. Marys, GA -- 20
155. 1916 -- Aug 18, hurricane, south Texas, especially greater Corpus Christi area, TX --15-20
156. 1943 -- July 27, hurricane, Southeast TX coast, USACE dredge *Galveston* sinks/11 -- 20
157. 1954 -- June 25-26, Hurricane Alice hits so. of Brownsville; flash flooding, Ozona, TX/19--21
158. 1989 -- Jun 26-Jul 5, Tropical Storm Allison & remnants, esp., LA, MS, TX, NC, DE, NJ-- 20
159. 1878 -- Oct 23, hurricane, ship *A.S. Davis* grounds near Virginia Beach, VA¹⁴⁸² -- 19
160. 1909 -- Oct 11, Florida Keys & south FL Hurricane, (tug *Sybil*/11) and Key West, FL-- 19
161. 1934 -- July 24-26, hurricane, Rockport/Corpus Christi area, TX -- 19
162. 1979 -- Sep 12-13, Hurricane Frederic, MS, AL, LA, FL, TN, PA, especially AL --17-19
163. 1998 -- Aug 21-24, Tropical Storm Charley, SW, central TX, esp. Del Rio, TX --16-19
164. 1903 -- Sep 11-13, FL hurricane, British steamer *Inchulva* grounds/breaks/9 at Delray-- 18
165. 1937 -- Aug 30-Sep 1, tropical cyclone, freighter SS *Tarpon* sinks off Panama City, FL-- 18
166. 1967 -- Sep 20-22, Hurricane Beulah, flooding, tornadoes, Brownsville & SW TX --12-18
167. 2007 -- Aug 16-20, Tropical Storm Erin, Lamar, TX landfall to OK and MO --17-18

¹⁴⁸⁰ There were 21 NC deaths, 2 in VA (and a report of four, though we have been unable to find more specific information, thus we are unsure. There was one PA death, if one includes the drowning of a miner, caught in a flooded mine due to hurricane (tropical storm)-generated heavy rain.

¹⁴⁸¹ Cross-listed in Maritime.

¹⁴⁸² Cross-listed in Maritime.

168. 1951 -- Oct 5, Hurricane How, freighter *Southern Isles* breaks-up/sinks off Cape Hatteras, NC-- 17
 169. 1985 -- Oct 27-31, Hurricane/Tropical Storm Juan, Gulf of Mexico, especially LA -- ~17
 170. 1998 -- Sep 21 (PR), 25-29, Hurricane Georges, Puerto Rico, AL, FL, GA, LA, MS -- 17

HURRICANES & Tropical Storms – Deadliest American -- By MORTALITY (continued):

171. 1887 -- Sep 21, hurricane, mid-TX coast to Brownsville, US tender *Mignonette* lost/16-- 16
 172. 1888 -- Aug 22, flooding, remnant of Gulf Coast Hurricane #3, MD, PA, WV -- 16
 173. 1956 -- Sep 24-26, Hurricane Flossy, coastal LA/MS/AL, NW FL, inland GA, NC --15-16
 174. 1985 -- Sep 27-28, Hurricane Gloria, East Coast, esp. NC/NJ/NY/CT/MA/NH/RI¹⁴⁸³-15-16
 175. 1991 -- Aug 19-20, Hurricane Bob, coastal SC, NC, NY, and New England --15-16
176. 1871 -- Oct 3-5, hurricane, esp. TX coast, steamer *C.K. Hall* wrecks off Cedar Point TX ≥15
 177. 1960 -- June 23-29, tropical storm, so. TX; remnant flooding; deaths TX/12, AR/3 -- 15
 178. 2005 -- July 10-13, Hurricane Dennis, GA and esp. FL (Santa Rosa Island landfall) -- 15
179. 1835 -- Sep 18, hurricane, Corpus Christi, TX -- 14
 180. 1837 -- Aug 6, hurricane, St. Augustine-Charleston schmr. *S.S. Mills* sinks off Jekyll Island, GA-14
 181. 1854 -- Sep 17/18, hurricane, steamer *Kate Ward* lost, Matagorda Bay TX¹⁴⁸⁴ -- 14
 182. 1944 -- Oct 18-19, hurricane, all of FL Peninsula (Bradenton area army tugboat/9) -- 14
183. 1897 -- Sep 13, hurricane, SE TX, especially Port Arthur and Sabine Pass, TX --10-13
 184. 1989 -- July 31-Aug 01, Hurricane Chantal, Texas and Louisiana; *Avco 5* capsizes -- 13
 185. 1995 -- Aug 23-28, Tropical Storm Jerry, especially FL, SC, NC -- 13
186. 1898 -- Aug 02, hurricane, tugboat *Nimrod* capsizes, crew lost, off Cape San Blass, FL--12
 187. 1950 -- Sep 12, Fairhaven, MA fishing boat *Theresa A.* sunk in hurricane, Georges Bank-- 12
 188. 1990 -- Oct 10-12, Tropical Storms Marco and Klaus remnants, FL, GA, SC, NC -- 12
 189. 1995 -- Aug 13-19 Hurricane Felix, especially NC and NJ (also RI and VA) -- 12
 190. 1996 -- July 09 (Puerto Rico), and 12-13 (East Coast), Hurricane Bertha, esp. NC -- 12
 191. 1997 -- July 18-26, Hurricane and Tropical Storm Danny, Gulf, lower East Coast --10-12
 192. 2021 -- June 19, Tropical Storm Claudette (highway/10 in pileup, tree fall/2), AL -- 12
193. 1877 -- Oct 04, tropical storm flooding, rails washout/train derails ~Kimberton, PA¹⁴⁸⁵-- 11
 194. 1904 -- Nov 13, hurricane, FL to Northeast and Great Lakes, especially coastal NC --10-11
 195. 1994 -- Nov 13-18, Hurricane/Tropical Storm Gordon, especially FL -- 11
196. 1728 -- Aug 13-14, hurricane, coast and coastal waters south of Charleston, SC -- ≥10
 197. 1784 -- Sep 10~, hurricane/storm surge, Charleston/coastal islands, esp. Sullivan’s Isl., SC--≥10
 198. 1794 -- Aug 31-Sep 1, hurricane, New Or., Pilottown, Plaquemines, Avoyelles LA¹⁴⁸⁶--~10
 199. 1901 -- Aug 13-16, hurricane, FL, AL, LA, MS -- 10
 200. 1929 -- Sep 24-29, hurricane, FL -- 10

¹⁴⁸³ The range -- we can find no substantiation for a report of one life lost in a plane crash in NY related to the storm.

¹⁴⁸⁴ Cross-listed in Maritime.

¹⁴⁸⁵ Cross-listed in Rail.

¹⁴⁸⁶ This is our guesstimate of fatalities based upon statement that “many lives...perished in the storm.”

- 201. 1995 -- Sep 15-16, Hurricane Marilyn, U.S. Virgin Islands, Puerto Rico -- 10
- 202. 2004 -- Aug 30-Sep 1, Hurricane Gaston, NC and especially VA -- 10

A Few Other Notable Hurricanes:

- 1995 -- Aug 02, Hurricane Erin, central and panhandle FL and off FL coast -- 8
- 1999 -- Oct 15-16, Hurricane Irene, Cape Sable FL NE through So. FL to Atlantic -- 8
- 1992 -- Sep 11, Hurricane Iniki (Category 4), Kauai, HI -- 6
- 1985 -- Nov 21-23, Hurricane Kate, So. FL to Panama City/Apalachicola, FL Panhandle -- 5

HURRICANES & Tropical Storms – Deadliest American – CHRONOLOGICAL

1. 1527 -- Nov, hurricane, Matagorda Bay, TX -- 200
2. 1553 -- hurricane, lower coast of TX --1,700
3. 1554 -- Apr, hurricane, today's Brownsville, TX --50-100
4. 1559 -- Sep 19-20, hurricane, Spanish ships and colonists, west coast of FL --?-600
5. 1635 -- Aug 14/15, tropical storm, bark *Watch and Wait* wrecks, Thacher Island, MA¹⁴⁸⁷-- 21
6. 1635 -- Aug 25, Great Colonial Hurricane, New England -- 35
7. 1683 -- unnamed hurricane, Florida East Coast -- 496
8. 1700 -- Sep 14, hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC¹⁴⁸⁸ -- ~100
9. 1713 -- Sep 16-17, hurricane, Charleston and vicinity, South Carolina -- 70
10. 1715 -- July 31, hurricane, Spanish ships ground, Fort Pierce-Wabasso Beach, FL --1,000
11. 1728 -- Aug 13-14, hurricane, coast and coastal waters south of Charleston, SC -- \geq 10
12. 1747 -- Sep 15, unnamed hurricane, immigrants ship sunk, Rappahannock River, VA -- >50
13. 1752 -- Sep 15, hurricane, esp. Charleston, SC and Johnston, NC -- 103
14. 1758 -- hurricane, San Marcos de Apalache Spanish fortification, St. Marks, FL -- 40
15. 1772 -- Sep 01, tropical storm grounds 14 vessels, Ocracoke Bar, NC -- 50
16. 1775 -- Sep 02-06, NC, VA -- 163
17. 1784 -- Sep 10~, hurricane/storm surge, Charleston/coastal islands, esp. Sullivan's Isl., SC-- \geq 10
18. 1785 -- Sep 02, hurricane, immigrant ship *Faithful Steward* sinks, Coast of DE¹⁴⁸⁹ -- >200
19. 1787 -- Sep 19, hurricane, damage to shipping/property, Beaufort to Georgetown, SC -- 23
20. 1794 -- Aug 31-Sep 1, hurricane, New Orleans/Pilottown/Plaquemines/Avoyelles LA¹⁴⁹⁰--~10
21. 1800 -- ~Sep, revenue cutter brig USS *Pickering* lost in gale/hurricane off FL¹⁴⁹¹ --70-105
22. 1804 -- Sep 07-09, hurricane, esp. areas of Savannah, GA, Charleston, SC, maritime -- ~500
23. 1806 -- Aug 21-24, hurricane, Carolinas coastal/maritime, *Rose in Bloom* upset, NJ¹⁴⁹²-- 42
24. 1812 -- Aug 19-20, New Orleans, LA -- 100
25. 1813 -- Aug 27-28, hurricane, Charleston, storm surge overruns Sullivan's Island, SC --23-24

¹⁴⁸⁷ Cross-listed in Maritime.

¹⁴⁸⁸ Cross-listed in Maritime.

¹⁴⁸⁹ Cross-listed in Maritime.

¹⁴⁹⁰ This is out guesstimate of fatalities based upon statement that "many lives...perished in the storm."

¹⁴⁹¹ Cross-listed in Maritime.

¹⁴⁹² Cross-listed in Maritime. Majority of deaths were maritime (21 from *Rose In Bloom* alone).

- 26. 1813 -- Sep 16, hurricane, Navy Gun Boat *164* sinks, St. Marys, GA (also in maritime)-- 20
- 27. 1815 -- Sep 23, "Great September Gale of 1815," NY, New England -- >38
- 28. 1818 -- Sep 12-13, hurricane, Galveston Island and ships in the area (14 lost), TX --<1,000
- 29. 1819 -- July 27-28, Bay St. Louis Hurricane, Mobile AL (also LA and MS) --43-200

HURRICANES & Tropical Storms – Deadliest American – CHRONOLOGICAL (cont.)

- 30. 1821 -- Sep 03, hurricane, VA, MD, DE, PA, NJ, NY, MA, CT -- ~29
- 31. 1821 -- Sep 15, hurricane, MS -- 35
- 32. 1822 -- Sep 27-28, hurricane, SC, NC, VA, especially Charleston and nearby coastal SC-- ~300
- 33. 1824 -- Sep 14-15, offshore and coastal GA Hurricane, landfall near St. Simons, GA -- ≥169

- 34. 1834 -- Sep 04, hurricane, SC -- 37
- 35. 1835 -- Sep 18, hurricane, Corpus Christi, TX -- 14
- 36. 1837 -- Aug 6, hurricane, St. Augustine-Charleston schnr. *S.S. Mills* sinks off Jekyll Island, GA-14
- 37. 1837 -- Oct 09, hurricane Racer's Storm, steamer *Home* founders off Ocracoke NC¹⁴⁹³--90-100
- 38. 1838 -- Sep 07, hurricane, near Cape Florida, FL -- 38

- 39. 1841 -- Oct 03-04, New England hurricane -- 58
- 40. 1844 -- Aug 06, hurricane, today's Brownsville, TX area, esp. Brazos Santiago, TX -- 70
- 41. 1846 -- Oct 12, Great Havana Hurricane, Florida, esp. Keys, East Coast to NY --60-90
- 42. 1849 -- Oct 06-07, hurricane/severe storm, *St. John & Levi Woodbury* wreck, MA -- 143

- 43. 1853 -- Sep 6-7, hurricane, western Atlantic -- 40
- 44. 1854 -- Sep 7-13, hurricane, mid-Atlantic Coast -- 26
- 45. 1857 -- Sep 12, hurricane, steamer *Central America* sinks, Blake Plateau off Charleston SC--400-427
- 46. 1854 -- Sep 17/18, hurricane, steamer *Kate Ward* lost, Matagorda Bay TX¹⁴⁹⁴ -- 14
- 47. 1856 -- Aug 10-11, Hurricane Isle Derniere/Last Island, LA (*Nautilus & Manila* lost) --264-338

- 48. 1860 -- Aug 11, hurricane, LA -- 47
- 49. 1861 -- Nov 2-3, hurricane, NC, MA (RI ship *Maritana* grounds near Boston Light) -- 33
- 50. 1863 -- May 26, tropical storm, northeast Gulf of Mexico -- 37
- 51. 1863 -- Aug 21, USS *Bainbridge* capsizes, hurricane, off Cape Hatteras, NC¹⁴⁹⁵ --80-90
- 52. 1865 -- Sep 13, hurricane, Cameron, LA landfall -- 25
- 53. 1866 -- Oct 03, hurricane, steamer *Evening Star* sinks, ~100M off Tybee Island, GA--247-255
- 54. 1867 -- Oct 1-3 or 7-8, hurricane east TX coast, esp. Brownsville & Matamoros -->25-100
- 55. 1869 -- Sep 8, hurricane, schnr. *Eliza* wrecks/Peak's Isl. ME; *Yankee Girl* lost, MA & RI--31
- 56. 1869 -- Oct 04, hurricane, coastal New Brunswick, Canada, NY, ME -- 37

- 57. 1870 -- Oct 20, steamer *Varuna* sinks in hurricane, 35M NE of Jupiter Inlet, FL -- 52
- 58. 1871 -- Oct 03-5, hurricane, esp. TX coast, steamer *C.K. Hall* wrecks off Cedar Point TX--≥15
- 59. 1873 -- Aug 14-27, "Nova Scotia" hurricane -- >600
- 60. 1875 -- Sep 15-18, hurricane, esp. Sabine Pass to Indianola, Matagorda Bay, TX -- ≥270

¹⁴⁹³ Cross-listed in Maritime.

¹⁴⁹⁴ Cross-listed in Maritime.

¹⁴⁹⁵ Cross-listed in Maritime.

61. 1877 -- Oct 04, tropical storm flooding, rails wash out, train derails ~Kimberton, PA¹⁴⁹⁶-- 11
 62. 1878 -- Oct 09-13, tropical cyclone, coastal New England -- 27
 63. 1878 -- Oct 21-24, hurricane/land & maritime, NC, VA, MD, DE, PA, NJ, CT¹⁴⁹⁷ --70-72
 64. 1879 -- Aug 18-19, hurricane, SC, NC, MD, PA, DE, NJ, NY, CT, MA¹⁴⁹⁸ --46-67

HURRICANES & Tropical Storms – CHRONOLOGICAL (continued)

65. 1880 -- Aug 28, *City of Vera Cruz* sinks in hurricane off Mosquito Inlet, FL¹⁴⁹⁹ -- 68
 66. 1881 -- Aug 27, hurricane, northeast GA, esp. Savannah/southeast SC/maritime -- ~700
 67. 1883 -- Sep 11, Hurricane Three, SC, NC (53) VA (12th), especially NC -- 53
 68. 1885 -- Aug 24-26, hurricane, FL/1, GA/2, NC, SC/21, New England, Atlantic/1 -- 25
 -- 3 steamer/pilot boat *F. W. Schafer No. 4* (or possibly Sheper), SC
 -- 3 schooner *Gustie Wilson*, SC
 -- 6 schooner *John Stoddard*, SC
 -- 1 Italian bark *Marianina*, Atlantic, about 50 miles off Charleston, SC
 -- 5 schooner *Walter Smith*, SC
 -- 1 steamer *William Lawrence*, GA
 -- 1 unidentified small craft, Savannah, GA
 69. 1886 -- Aug 19-20, tropical cyclone, TX, especially Indianola, TX -- 38
 70. 1886 -- Oct 11-13, hurricane, Cameron Parish LA/50; E.TX, esp. Beaumont/Sabine Pass, TX--150
 71. 1887 -- Sep 21, hurricane, mid-TX coast to Brownsville, US tender *Mignonette* lost/16 -- 16
 72. 1888 -- Aug 22, flooding, remnant of Gulf Coast Hurricane #3, MD, PA, WV -- 16
 73. 1889 -- Sep 9-12, hurricane/severe storms mid-Atlantic coast, esp. DE/VA/MD/PA/NJ/NY-40-50

 74. 1893 -- Aug 27-29, hurricane, Sea Islands, SC-GA --1,000-2,500
 75. 1893 -- Oct 01-02, Hurricane Cheniere Caminanda, MS, AL, esp. LA --1,700-2,000
 76. 1893 -- Oct 11-13, hurricane and remnants, esp. FL/3, GA, SC/22, NC/4, NY/4 --28-33
 77. 1896 -- Sep 28-30, hurricane, FL/~100, GA/38, SC/30, NC/1 VA/13 MD/8 PA/6 DC/3--~199
 78. 1897 -- Sep 08, hurricane, north-central Atlantic -- 45
 79. 1897 -- Sep 13, hurricane, SE TX, especially Port Arthur and Sabine Pass, TX --10-13
 80. 1898 -- Aug 02, hurricane, tugboat *Nimrod* capsizes, crew lost, off Cape San Blass, FL-- 12
 81. 1898 -- Oct 02, hurricane, FL/2, GA/247-258, SC/6-9 (loss frequently noted as 179)--255-269
 82. 1899 -- Aug 8-19, San Ciriaco Hurricane esp. Puerto Rico/3433 & NC/73, Aug 17/18 --3,507

 83. 1900 -- Sep 09, hurricane, Galveston and southeast coastal area, TX --7.200-12,000
 84. 1901 -- Aug 13-16, hurricane, FL, AL, LA, MS -- 10
 85. 1903 -- Sep 11-13, FL hurricane, British steamer *Inchulva* grounds/breaks/9 at Delray -- 18
 86. 1903 -- Sep 14-17, Atlantic coast hurricane, NC, VA, DE, NJ, NY, ME --57-125
 87. 1904 -- Sep 14-15, hurricane, NC to MA; DE/9 MD/3 MA/1 NJ/11 NY/2 SC/8-14 --35-41
 88. 1904 -- Nov 13, hurricane, FL to Northeast and Great Lakes, especially coastal NC --10-11
 89. 1906 -- Sep 27, hurricane, Mobile County, AL/≥109, Pensacola, FL/≥39, MS/≥4 -- ≥152
 90. 1906 -- Oct 18-21, hurricane, Florida Keys and maritime, FL --211-328

¹⁴⁹⁶ Cross-listed in Rail.

¹⁴⁹⁷ Cross-listed in Maritime (54 maritime fatalities)

¹⁴⁹⁸ Maritime component cross-listed in Maritime.

¹⁴⁹⁹ Cross-listed in Maritime.

91. 1909 -- July 21, hurricane, Velasco/Freeport, Brazoria Co., TX landfall; also LA/2 --40-42
 92. 1909 -- Sep 20-21, hurricane, LA and MS; esp. Terrebonne Parish, LA --350-353
 93. 1909 -- Oct 11, Florida Keys & south FL Hurricane, (tug *Sybil*/11) and Key West, FL -- 19

HURRICANES & Tropical Storms – CHRONOLOGICAL (continued):

94. 1910 -- Oct 17-20, hurricane, Key West, Florida to Virginia; all deaths in or off FL --37-41
 95. 1911 -- Aug 27-29, hurricane, FL (1), GA, SC (28) (includes schooner May loss) -- 29
 96. 1915 -- Aug 16-17/19-20, hurricane/trop. storm, Gulf, SE TX coast, remnant, MO --453-510
 97. 1915 -- Sep 29-Oct 01, hurricane, LA and MS coasts --275-279
 98. 1916 -- July 04-10, hurricane, Gulf of Mexico and Gulf States -- 34
 99. 1916 -- July 15-16, tropical storm, flooding, SC, VA, TN, WV, esp. NC --26-80
 100. 1916 -- Aug 18, hurricane, south Texas, especially greater Corpus Christi area, TX --15-20
 101. 1916 -- Aug 18, hurricane, south Texas, especially greater Corpus Christi area, TX --15-20
 102. 1918 -- Aug 06-07, Hurricane One, 1918 season, Southwest LA -- 34
 103. 1919 -- Sep 10-14, hurricane, Florida Keys, Gulf & Corpus Christi area, TX --727-1,131
 Sep 12, Spanish liner *Valbanera* sinks off Rebecca Shoal, Dry Tortugas, FL -- 488
104. 1921 -- Sep 07, hurricane, south TX and flash flood, San Antonio, TX -- 51
 105. 1925 -- Nov 30-Dec 02, hurricane, Tampa/4 and maritime losses off east coast of FL-- 53
 106. 1926 -- Aug 25-26, Hurricane 3, east coast of Louisiana moving into central LA -- 25
 107. 1926 -- Sep 17–18, Great Miami Hurricane, FL (also Sep 20, FL, AL, MS) --372-408
 108. 1928 -- Sep 13, San Felipe Segundo Hurricane, Puerto Rico¹⁵⁰⁰ -- 312
 109. 1928 -- Sep 16, Great Okeechobee Hurricane and flooding, Southeast FL --2,500-3,000
 110. 1929 -- Sep 24-29, hurricane, FL -- 10
111. 1932 -- Aug 13-14, hurricane, Brazoria County (≥41) and Galveston Co. (5), TX --46-47
 112. 1932 -- Sep 26-27, San Ciprian Hurricane, Puerto Rico -- 257
 113. 1933 -- Aug 23-24, hurricane, MD (12-14), NJ (2-3), NY (2-3), PA (11), VA/16-18 --45-51
 114. 1933 -- Sep 4-5, SW TX hurricane, Brownsville, Fort Ringgold, Harlingen, Rio Hondo --37-40
 115. 1933 -- Sep 15-16 hurricane, coastal NC (21), VA (2-4), PA (1)¹⁵⁰¹ --23-26
 116. 1934 -- July 24-26, hurricane, Rockport/Corpus Christi area, TX -- 19
 117. 1935 -- Aug 31–Sep 10, Labor Day Hurricane, Florida Keys, esp. Upper FL Keys--408-500
 118. 1937 -- Aug 30-Sep 1, tropical cyclone, freighter SS *Tarpon* sinks off Panama City, FL--18
 119. 1938 -- Sep 21, Long Island, NY & New England hurricane, esp. RI, MA, CT --682-712
 120. 1939 -- Sep 25, tropical storm, esp. boating off Long Beach/San Pedro, CA¹⁵⁰² --50-54
121. 1940 -- Aug 11-12, hurricane, GA (2) and SC (34) -- 36
 122. 1943 -- July 27, hurricane, Southeast TX coast, USACE dredge *Galveston* sinks/11 -- 20
 123. 1944 -- Sep 12-15, Great Atlantic Hurricane, NC-ME, esp. MA/NY, USCG/USN/341--<385-395
 124. 1944 -- Oct 18-19, hurricane, all of FL Peninsula (Bradenton area army tugboat/9) -- 14

¹⁵⁰⁰ Same hurricane hit FL three days later. In that the “Great Okeechobee Hurricane and Flood” receive more attention -- due to very large loss of life -- and overshadows PR loss of life, we treat the hurricane separately here.

¹⁵⁰¹ There were 21 NC deaths, 2 in VA (and a report of four, though we have been unable to verify), and one PA death -- the drowning of a miner, caught in a flooded mine due to hurricane (tropical storm)-generated heavy rain.

¹⁵⁰² Cross-listed in Maritime.

125. 1947 -- Sep 17-19, Fort Lauderdale Hurricane, FL (17), LA (12), MS (22) -- 51

HURRICANES & Tropical Storms – CHRONOLOGICAL (continued):

126. 1950 -- Sep 12, Fairhaven, MA fishing boat *Theresa A.* sunk in hurricane, Georges Bank-- 12
127. 1954 -- June 25-26, Hurricane Alice hits so. of Brownsville; flash flooding, Ozona, TX/19--21
128. 1954 -- Aug 30-31, Hurricane Carol, esp. New England, esp. MA/33, RI/17, ME/NH/3-65-68
129. 1954 -- Sep 11, Hurricane Edna, northeast, esp. New Eng., ME/8, MA/4, NY/6, RI/2-- 21
130. 1954 -- Oct 15-16, Hurricane Hazel, esp. PA/26, NY/21, NC/19 VA/13 MD/11 NJ-103-108
131. 1955 -- Aug 11-13, Hurricane Connie, esp. NC/2, VA/2, DC/4, MD/14, PA/9, NY/12-- 43
132. 1955 -- Aug 18-19, Hurricane Diane Flooding, esp. PA/~100, CT/87, MA/13, NJ--211-229
133. 1956 -- Sep 24-26, Hurricane Flossy, coastal LA/MS/AL, NW FL, inland GA, NC --15-16
134. 1957 -- June 26-28, Hurricane Audrey, SW LA/526; also TX, IL, IN, NY, Can. --545-550
135. 1959 -- Sep 29-30, Hurricane Gracie SC/9 NC/1 GA/1, Gracie-spawned tornadoes VA/12--25
203. 1960 -- June 23-29, tropical storm, so. TX; remnant flooding; deaths TX/12, AR/3 -- 15
204. 1960 -- Sep 6, 9-14, Hurricane Donna, Puerto Rico/107, US East Coast/44, esp. FL/13--151
205. 1961 -- Sep 11-14, Hurricane Carla, LA/6, KS/5, MO/1, central TX/34 -- 46
136. 1964 -- Oct 03-04, Hurricane/Tropical Storm Hilda/tornadoes, LA, MS, SE Coast -- 42
137. 1965 -- Sep 07-10, Hurricane Betsy, SE FL, esp. LA (levee break), also AR, MS --93-105
138. 1967 -- Sep 20-22, Hurricane Beulah, flooding, tornadoes, Brownsville & SW TX --12-18
139. 1969 -- Aug 17-20, Hurricane Camille, esp. So. MS, So./SE LA, Nelson Co. VA --299-335
140. 1970 -- Aug 03-04, Hurricane Celia, So. TX (15), esp. Corpus Christi & off FL (14)¹⁵⁰³--29
141. 1970 -- Oct 05-10, tropical storm/flooding (18 confirmed, 34 missing), Puerto Rico --18-52
142. 1972 -- June 18-26, Hurricane/Tropical Storm Agnes and flooding, East Coast --145-146
143. 1975 -- Sep 16-27,¹⁵⁰⁴ TS/Hurricane Eloise & remnants, PR, FL Gulf (23rd), US East-- 68
144. 1978 -- July 30-Aug 4, Tropical Storm Amelia & remnants, flash flooding, TX¹⁵⁰⁵ --33-34
145. 1979 -- Aug 30-Sep 6, Hurricane David, Puerto Rico (Aug 30-31) and East Coast --21-22
146. 1979 -- Sep 12-13, Hurricane Frederic, MS, AL, LA, FL, TN, PA, especially AL --17-19
147. 1980 -- Aug 06-10, Hurricane Allen, TX & off LA coast (including copter crash 13)-- 24
148. 1983 -- Aug 18, Hurricane Alicia, Galveston, greater Houston & Southeast Texas -- 21
149. 1985 -- Sep 27-28, Hurricane Gloria, East Coast, esp. NC/NJ/NY/CT/MA/NH/RI¹⁵⁰⁶-15-16
150. 1985 -- Oct 27-31, Hurricane/Tropical Storm Juan, Gulf of Mexico, especially LA -- ~17
151. 1985 -- Nov 4-5, flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)¹⁵⁰⁷-71-74
1985 -- Nov 21-23, Hurricane Kate, So. FL-Panama City/Apalachicola, FL Panhandle-- 5
152. 1989 -- June 26-Jul 5, Tropical Storm Allison & remnants, esp., LA, MS, TX, NC, DE, NJ--20
153. 1989 -- July 31-Aug 1, Hurricane Chantal, Texas and Louisiana; *Avco 5* Capsizes -- 13
154. 1989 -- Sep 18 (Puerto Rico); 21-22 (SC/NC), Hurricane Hugo, also VA, NY, USVI-59-86

¹⁵⁰³ There were also 5 fatalities in Cuba.

¹⁵⁰⁴ National Hurricane Center shows dates as Sep 13-24. We start with Sep 16 when Tropical Storm Eloise hit Puerto Rico, and we end on the 27th when Eloise remnants, causing flooding and taking lives, cleared.

¹⁵⁰⁵ Cross-listed in Flooding.

¹⁵⁰⁶ The range -- we can find no substantiation for a report of one life lost in a plane crash in NY related to the storm.

¹⁵⁰⁷ Cross-listed in Flooding. This is a separate entry from the Oct 27-31 entry for Hurricane Juan in coastal LA.

HURRICANES & Tropical Storms – CHRONOLOGICAL (continued):

155. 1990 -- Oct 10-12, Tropical Storms Marco and Klaus remnants, FL, GA, SC, NC -- 12
156. 1991 -- Aug 19-20, Hurricane Bob, Coastal SC, NC, NY, and New England --15-16
157. 1992 -- Aug 24, 26, Hurricane Andrew, FL (89-90) esp. Dade Co., and LA (17) --106-107
 1992 -- Sep 11, Hurricane Iniki (Category 4), Kauai, HI -- 6
158. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, AL, esp. GA¹⁵⁰⁸ --34-37
159. 1994 -- Nov 13-18, Hurricane/Tropical Storm Gordon, especially FL -- 11
 1995 -- Aug 02, Hurricane Erin, Central and Panhandle FL and off FL Coast -- 8
160. 1995 -- Aug 13-19 Hurricane Felix, especially NC and NJ (also RI and VA) -- 12
161. 1995 -- Aug 23-28, Tropical Storm Jerry, especially FL, SC, NC -- 13
162. 1995 -- Sep 15-16, Hurricane Marilyn, U.S. Virgin Islands, Puerto Rico -- 10
163. 1995 -- Oct 04, Hurricane/Tropical Storm Opal, FL panhandle, NC, esp. AL & GA --30-34
164. 1996 -- July 09 (Puerto Rico), and 12-13 (East Coast), Hurricane Bertha, esp. NC -- 12
165. 1996 -- Sep 05-06, Hurricane Fran, SC, NC, VA, WV, MD, DC, PA, especially NC --40-42
166. 1996 -- Sep 09, Hurricane Hortense, rain, flash floods, mudslides, Puerto Rico --21-24
167. 1997 -- July 18-26, Hurricane and Tropical Storm Danny, Gulf, lower East Coasts --10-12
168. 1998 -- Aug 21-24, Tropical Storm Charley, SW, Central TX, esp. Del Rio, TX --16-19
169. 1998 -- Sep 21 (PR), 25-29, Hurricane Georges, Puerto Rico, AL, FL, GA, LA, MS -- 17
170. 1999 -- Sep 15-17, Hurricane Floyd, Mid Atlantic, Northeast, particularly NC --88-89
 1999 -- Oct 15-16, Hurricane Irene, Cape Sable FL NE through So. FL to Atlantic -- 8
171. 2001 -- June 05-17, Tropical Storm Allison, FL/LA/MS/NC/PA/VA, especially TX --52-53
172. 2003 -- Sep 18-19, Hurricane Isabel, East Coast, especially VA and MD --55-56
173. 2004 -- Aug 13-14, Hurricane Charley, FL, SC, NC, VA, esp. SW & Central FL¹⁵⁰⁹ --34-40
174. 2004 -- Aug 30-Sep 1, Hurricane Gaston, NC and especially VA -- 10
175. 2004 -- Sep 05-08, Hurricane Frances, FL, GA, SC, NC, OH (esp. FL) -- 64
176. 2004 -- Sep 15-18, Hurricane Ivan, Tornadoes, AL, GA, MD, MS, NC; esp. FL --51-72
177. 2004 -- Sep 25-28, Hurricane Jeanne and remnants, esp. FL (also GA/SC/NC/VA) -- 22
178. 2005 -- July 10-13, Hurricane Dennis, GA and esp. FL (Santa Rosa Island landfall) -- 15
179. 2005 -- Aug 25-31, Hurricane Katrina, FL, LA, esp. NOLA & MS¹⁵¹⁰ --≥1,833-1,836
180. 2005 -- Sep 22-24, Hurricane Rita, FL Keys, Louisiana and especially Texas --111-124
181. 2005 -- Oct 24, Hurricane Wilma, Category 3, Landfall SW Coast of Florida --26-37
182. 2007 -- Aug 16-20, Tropical Storm Erin, Lamar, TX landfall to OK and MO --17-18
183. 2008 -- Sep 01, Hurricane Gustav, FL, GA, MS and especially LA -- 53
184. 2008 -- Sep 12-14,¹⁵¹¹ Hurricane Ike, AR, IL, IN, KY, LA, MI, OH, PA, TN, esp. TX--≥92

¹⁵⁰⁸ Cross-listed in Flooding and in Structural Failures--Dams.

¹⁵⁰⁹ The range has to do with (1) the numbers various sources put forth for Florida fatalities, and (2) our uncertainty concerning the report of an indirect death in South Carolina, which we have not been able to identify.

¹⁵¹⁰ There were 2 deaths in AL and 2 in GA. The numbers reflect those generally reported. We note “≥” (at least) in that there still are over 100 missing and presumed dead, as well as unreported health-related indirect deaths.

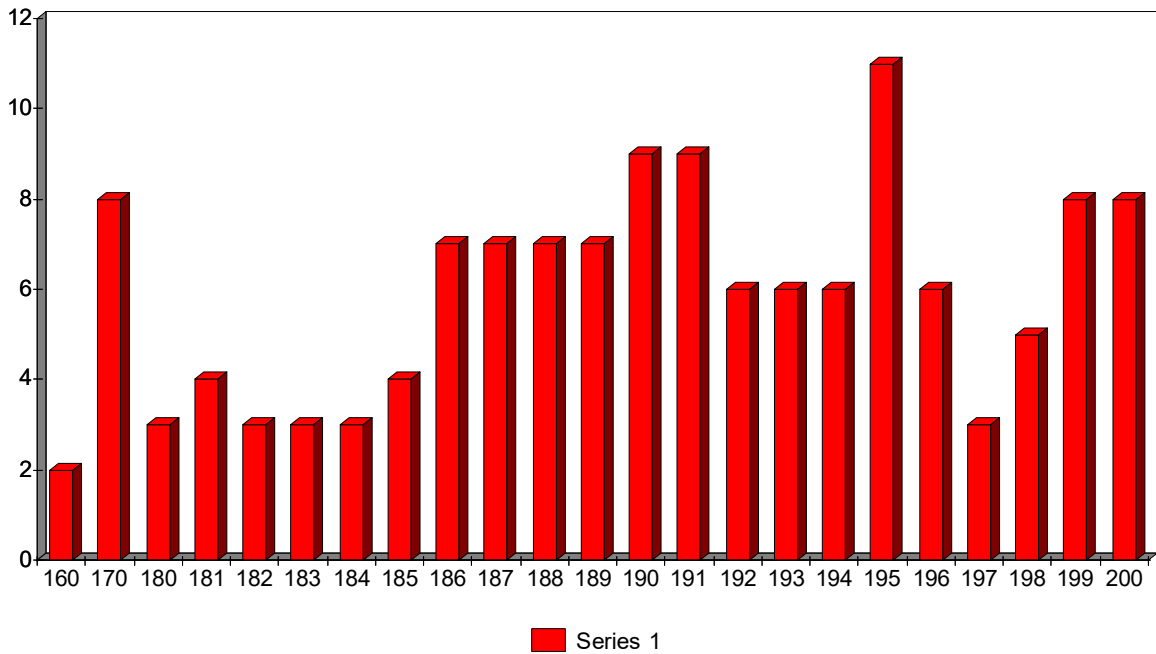
¹⁵¹¹ NWS has Ike as Sep 1-14. We use Sep 12-14 in that the storm was off Texas coast on 12th when deaths started occurring, making landfall 13th morning. Storm remnants moved up Midwest and easterly into southern Ontario and Quebec, Canada leading to direct loss of life due to flooding and high-wind tree/branch fall deaths through the 14th. Brown, et al. “Atlantic Hurricane Season of 2008,” *MWR*, 5-2010.

Hurricanes – Chronological – continued:

- 185. 2011 -- Aug 27-28, Hurricane Irene, CT/DE/FL/MD/MA/NH/NJ/NY/NC/PA/VA/VT-- 55
- 186. 2011 -- Sep 02-10, Tropical Storm Lee, AL/GA/LA/MS/TX/TN/VA/MD/PA/NJ/NY-- 22
- 187. 2012 -- Oct 29-30, Hurricane Sandy, Mid-Atlantic, esp. NY, NJ, also PA, MD, CT, WV¹⁵¹²-154-182
- 188. 2015 -- Oct 1, U.S. cargo ship *El Faro* sinks / Hurricane Joaquin, off east Bahamas¹⁵¹³-- 33
- 189. 2016 -- Oct 07-09, Hurricane Matthew & aftermath, FL/13, GA/3, SC/5, NC/30, VA/2-- 53
- 190. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, Southeast TX, esp. Houston -- \geq 89
- 191. 2017 -- Sep 06, Hurricane Irma, PR, US Virgin Isl.; Sep 10-11, GA, SC, NC, esp. FL-- 107
- 192. 2017 -- Sep 20, Hurricane Maria, Puerto Rico (2,975), US Virgin Isl. (2), NJ (3) --2,980
- 193. 2018 -- Sep 14, Hurricane Florence (Wrightsville Beach landfall); NC/SC/VA aftermath --55-57
- 194. 2018 -- Oct 10, Hurricane Michael ~Mexico Beach, FL, deaths also in GA/NC/VA --57-59

- 195. 2020 -- Aug 27, Hurricane Laura, southeast TX/4; especially southwest Louisiana/27-- 31
- 196. 2021 -- June 19, Tropical Storm Claudette (highway/10 in pileup, tree fall/2), AL -- 12
- 197. 2021 -- Aug 29-Sep 01, Hurricane Ida & remnants, mid-Gulf Coast and Northeast -- 91
- 198. 2022 -- Sep 28-29, Hurricane Ian, FL/139-140, esp. Lee County/62, NC/5, VA/1 --145-146

Hurricane Events by Decade



¹⁵¹² The range is explained by one NYC death which is not on NYC official list, and 27 NJ deaths reported in aggregate (not individually identifiable), reported during roughly 2nd to 7th month afterwards by NJ MEO.

¹⁵¹³ Cross-listed in Maritime. There were twenty-eight U.S. nationals and five Polish nationals.

LANDSLIDES, Mudslides, Debris Flows – Deadliest American – By Mortality

1. 1985 -- Oct 07, tropical storm, landslide, Mameyes neighborhood, Ponce, Puerto Rico-- ~130
2. 1969 -- Aug 19-20, Camille storm, flash flooding, mudslides, esp. Nelson Co., VA ¹⁵¹⁴-- 130
3. 2014 -- Mar 22, mudslide, State Route 530, near Oso, Snohomish Co., WA ¹⁵¹⁵ --43-44
4. 1940 -- Aug 13-14, remnant rain/flash floods/slides/debris flows, mts of NC/34 TN/4 VA/5¹⁵¹⁶. 43
5. 1868 -- Apr 03, earthquake-induced landslides, mudflows, cliff fall, Hawaii Island, HI--31-32
6. 1959 -- Aug 18, earthquake, rockfalls, landslides, campers killed, Hebgen Lake, MT -- 28
7. 1982 -- Jan 03-05, rainstorms, land/mudslides, esp. San Francisco Bay Area, CA ¹⁵¹⁷ --19-25
8. 2018 -- Jan 09, heavy rain; mudslides/debris flows (after forest fires), Montecito, CA -- 23
9. 1906 -- Jan 09, landslide, Haverstraw, NY -- 22
10. 1942 -- Dec 22, rockslide crushes passenger bus, near Aliquippa, PA ¹⁵¹⁸ -- 22

11. 1843 -- Feb 16, landslide, clay hill being mined at base, Troy, NY --17-18
12. 1969 -- Jan 25, mudslides/debris flows, south Cal., especially Los Angeles Co., CA ¹⁵¹⁹-- 16
13. 2003 -- Dec 25, heavy rain, landslides/mudslides, St. Sophia Camp, Southern CA -- 16
14. 1936 -- Nov 22, landslides (2), Mount Roberts debris into apt. bldgs. Juneau, AK ¹⁵²⁰ -- 15
15. 1911 -- Mar 11, ore landslide, Oliver Iron Mine, Norman Open Pit, Virginia, MN -- 14
16. 1905 -- Aug 16, quarry landslide, Lehigh Portland Cement Co., Ormrod, PA -- 12
17. 1917 -- July 1, washout under track, trolley falls into Niagara River, Niagara Co., NY ¹⁵²¹--12
18. 1906 -- Apr 18, landslides as a result of the San Francisco Earthquake, CA ¹⁵²² -- 11
19. 1905 -- Oct 06, rock-fall, Vermont Slate Co., Briar Hill Quarry, Pawlet, VT -- 8-10
20. 1980 -- May 18, Mt. St. Helens volcano eruption and landslides, WA ¹⁵²³ -- 5-10

¹⁵¹⁴ Lynn M. Highland and Robert L. Schuster in: *Significant Landslide Events in the United States* (USGS, 4-16-2003, p. 6), list 150 landslide fatalities for Nelson County, VA. We believe the number “150” is more reflective of all the Virginia losses, though Nelson County did suffer the most fatalities. Some bodies were never recovered and it is unknown how many died from slides, and how many drowned in the flash flooding. Another U.S. government agency, the National Weather Service, Baltimore/Washington Weather Forecast Office, in *Greatest Storms of the 20th Century, Greater Wash/Balt.* 2005, attributes “117” losses to “floods and landslides.” Yet another NWS document, *The Hurricane History of Central and Eastern Virginia* (Wakefield, VA NWS Weather Forecast Office, 1-4-2012 update), states that “Flash flooding took the lives of 153 people...primarily in Nelson County.” Certainly there were not 153 fatalities attributable solely to flash flooding, and certainly there were not 150 slide fatalities, but, there were a large number, probably more than 33, the next largest loss to landslides or mudslides in our listing. Thus, to place this event on our list in the second deadliest position, where we believe it should be placed, we have arbitrarily chosen to list it as less than 130 in order to place it below the 1985 Puerto Rico listing.

¹⁵¹⁵ Forty-three mudslide victims. A nephew of two victims, who assisted in search, committed suicide April 13-15.

¹⁵¹⁶ Cross-listed in Flooding/Flash Flooding. Have not been able to breakout flood/flash flood deaths from landslide/debris flow deaths.

¹⁵¹⁷ There were 31-36 event deaths; non-slide deaths attributed to drownings, pedestrian killed by vehicle in driving rainstorm, trees falling into houses, and a cleaning-up accident wherein a bulldozer rolled over killing operator.

¹⁵¹⁸ Cross-listed in Road/Highway Events.

¹⁵¹⁹ This is a subset of the Jan 18-26 storms, flooding vehicle deaths and mudslides listing that is cross-listed in Floods, with 99-103 total fatalities from all causes.

¹⁵²⁰ Fourteen at the time and one from injuries about one week later.

¹⁵²¹ Cross-listed in Rail. Only listed herein in that the State of New York Office of Emergency Management lists this event as an example of a landslide in its 2006 Hazards Mitigation Plan.

¹⁵²² Cross-listed in Earthquakes. Details/references can be found in the 1906 SF earthquake section, 3-6k fatalities.

¹⁵²³ Cross-listed in Volcano.

21. 2005 -- Jan 10, mudslide, La Conchita, Ventura County, CA -- 10

Other notable events:

1972 -- Feb 26, dam failure, Buffalo Coal Mining Co., Buffalo Creek, WV¹⁵²⁴ --125-126
1826 -- Aug 18, landslide, Crawford Notch, White Mountains, NH -- 9
1969 -- Feb 25, mudslides, Mt. Baldy Village and Silverado Canyon, southern CA -- 9
1974 -- Jan 16, Canyon Mountain Landslide, Canyon Pass, Canyonville, OR -- 9
1965 -- Mar 13, landslide/fill caves-in, men working on retaining wall, Columbia, SC -- 7
1933 -- Dec 20-25, storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)¹⁵²⁵ -- ≥ 6
1996 -- Nov 18-20, mudslides, Douglas County, OR -- 5

¹⁵²⁴ We are noting Buffalo Creek here in the “Other” category in that we list this as a Dam Failure event. However, in that a USGS official is cited as noting that Buffalo Creek was “perhaps the worst single American landslide to date...,” we are making recognition of that statement. The source is Randolph E. Schmid (*Associated Press*). “Puerto Rico Toll May be Highest in U.S. Landslide History.” 10-10-1985.

¹⁵²⁵ We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, and 6 from slides. In that there were eight deaths for which we have not located the cause, we suspect there were more slide deaths.

LANDSLIDES, Mudslides, Debris Flows – Deadliest American – Chronological

- 1826 -- Aug 18, landslide, Crawford Notch, White Mountains, NH -- 9
1. 1843 -- Feb 16, landslide, clay hill being mined at base, Troy, NY --17-18
 2. 1868 -- Apr 03, earthquake-induced landslides/mudslide, cliff fall, Hawaii Island, HI --31-32
 3. 1905 -- Aug 16, quarry landslide, Lehigh Portland Cement Co., Ormrod, PA -- 12
 4. 1906 -- Jan 09, landslide, Haverstraw, NY -- 22
 5. 1906 -- Apr 18, landslides as a result of the San Francisco earthquake¹⁵²⁶ -- 11
 6. 1911 -- Mar 11, ore landslide, Oliver Iron Mine, Norman Open Pit, Virginia, MN -- 14
 7. 1917 -- July 1, washout under track, trolley falls into Niagara River, Niagara Co., NY¹⁵²⁷--12
 8. 1933 -- Dec 20-25, storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)¹⁵²⁸--≥6
 8. 1936 -- Nov 22, landslides (2), Mount Roberts debris into apt. bldgs. Juneau, AK¹⁵²⁹ -- 15
 9. 1940 -- Aug 13-14, remnant rain/flash floods/slides/debris flows, mts of NC/34 TN/4 VA/5¹⁵³⁰--43
 10. 1942 -- Dec 22, rockslide crushes passenger bus, near Aliquippa, PA¹⁵³¹ -- 22
 11. 1959 -- Aug 18, earthquake, rockfalls, landslides, campers killed, Hebgen Lake, MT -- 28
 - 1965 -- Mar 13, landslide/fill caves-in, men working on retaining wall, Columbia, SC -- 7
 12. 1969 -- Jan 25, mudslides/debris flows, south Cal., especially Los Angeles County¹⁵³²-- 16
 - 1969 -- Feb 25, mudslides, Mt. Baldy Village and Silverado Canyon, southern CA -- 9
 13. 1969 -- Aug 19-20, Camille storm, flash flooding, mudslides, esp. Nelson Co., VA¹⁵³³-- ≤130

¹⁵²⁶ Cross-listed in Earthquakes. Details/references can be found in the 1906 SF earthquake section, 3-6k fatalities.

¹⁵²⁷ Cross-listed in Rail. Only listed herein in that the State of New York Office of Emergency Management lists this event as an example of a landslide in its 2006 Hazards Mitigation Plan.

¹⁵²⁸ We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, and 6 from slides. In that there were eight deaths for which we have not located the cause, we suspect there were more slide deaths.

¹⁵²⁹ Fourteen at the time and one from injuries about one week later.

¹⁵³⁰ Cross-listed in Landslides.

¹⁵³¹ Cross-listed in Road/Highway Events.

¹⁵³² This is a subset of the Jan 18-26 storms, flooding vehicle deaths and mudslides listing that is cross-listed in Floods, with 99-103 total fatalities from all causes.

¹⁵³³ Lynn M. Highland and Robert L. Schuster in: *Significant Landslide Events in the United States* (USGS, 4-16-2003, p. 6), list 150 landslide fatalities for Nelson County, VA. We believe the number “150” is more reflective of all the VA losses, though Nelson County did suffer the most. A number of bodies were never recovered and it is unknown to anyone how many died from slides, and how many drowned in the flash flooding. Another U.S. government agency, the National Weather Service, Baltimore/Washington Weather Forecast Office, in *Greatest Storms of the 20th Century, Greater Wash/Balt.* 2005, attributes “117” losses to “floods and landslides.” Yet another NWS document, *The Hurricane History of Central and Eastern Virginia* (Wakefield, VA NWS Weather Forecast Office, 1-4-2012 update), states that “Flash flooding took the lives of 153 people...primarily in Nelson County.” Certainly there were not 153 fatalities attributable solely to flash flooding, and certainly there were not 150 slide fatalities, but there were a large number, probably more than 33, the next largest loss to landslides or mudslides in our listing. Thus, to place this event on our list in the second

14. 1972 -- Feb 26, dam failure, Buffalo Coal Mining Co., Buffalo Creek, WV¹⁵³⁴ --125-126
 1974 -- Jan 16, Canyon Mountain landslide, Canyon Pass, Canyonville, OR -- 9

LANDSLIDES, Mudslides, Debris Flows – Deadliest American – Chronological (continued)

15. 1980 -- May 18, Mt. St. Helens volcano eruption and landslides¹⁵³⁵ -- 5-10
 16. 1982 -- Jan 03-05, rainstorms, land/mudslides, esp. San Francisco Bay Area, CA¹⁵³⁶ --19-25
 17. 1985 -- Oct 07, tropical storm, landslide, Mameyes neighborhood, Ponce, Puerto Rico-- ~130

 1996 -- Nov 18-20, mudslides, Douglas County, OR -- 5

 18. 2003 -- Dec 25, heavy rain, landslides/mudslides, St. Sophia Camp, Southern CA -- 16
 19. 2005 -- Jan 10, mudslide, La Conchita, Ventura County, CA -- 10

 20. 2014 -- Mar 22, mudslide, State Route 530, near Oso, Snohomish County, WA¹⁵³⁷ --43-44
 21. 2018 -- Jan 09, heavy rain; mudslides/debris flows (after forest fires), Montecito, CA -- 23

deadliest position, where we believe it should be placed, we have arbitrarily chosen to list it as less than 130 in order to place it below the 1985 Puerto Rico listing.

¹⁵³⁴ We are noting Buffalo Creek here in the “Other” category in that we list this as a Dam Failure event. However, in that a USGS official is cited as noting that Buffalo Creek was “perhaps the worst single American landslide to date...,” we are making recognition of that statement. The source is Randolph E. Schmid (*Associated Press*). “Puerto Rico Toll May be Highest in U.S. Landslide History.” 10-10-1985.

¹⁵³⁵ Cross-listed in Volcano.

¹⁵³⁶ There were 31-36 event deaths; non-slide deaths attributed to drownings, pedestrian killed by vehicle in driving rainstorm, trees falling into houses, and a cleaning-up accident wherein a bulldozer rolled over killing operator.

¹⁵³⁷ Forty-three mudslide victims. A nephew of two victims, who assisted in search, committed suicide April 13-15.

LIGHTNING and Lightning-Related – Deadliest American – By MORTALITY

1. 1963 -- Dec 08, lightning, fuel gas explosion, crash, Pan Am #214, Elkton, MD¹⁵³⁸ -- 81
2. 1972 -- Feb 01, gas fumes explosion (lightning?), tanker *V.A. Fogg*, off Galveston, TX¹⁵³⁹--39
3. 1882 -- July 12, lightning/wind hits building, falls on saloon, fire, Texarkana, AR -- 30
4. 1926 -- July 10, lightning/fire/explosions, USN Lake Denmark Arsenal, Dover, NJ¹⁵⁴⁰--21-22
5. 1918 -- Oct 16, steamer *Dumar* hit by lightning, burns, Pacific, ~20 miles off Guam -- 18
6. 1945 -- June 14, USAAF C-46D hit by lightning and crashes, near Oakridge, MS¹⁵⁴¹ -- 17
7. 1921 -- June 12, lightning, gasoline storage tank explosion, Salt Lake City, UT¹⁵⁴² -- 15
8. 1961 -- Mar 28, residential fire (lightning?), Alex Whitehead home, Dotsonville, TN¹⁵⁴³-- 12
9. 2006 -- Jan 02, lightning and explosion, Sago Coal Mine, Tallmansville WV¹⁵⁴⁴ -- 12
10. 1901 -- July 01, lightning, boys seeking shelter at pier at Montrose Blvd., Lake View, IL-- 11

11. 1945 -- July 17, USAAF B-17F plane crash, near Smoky Hill AAB, Salina, KS¹⁵⁴⁵ -- 10
12. 1970 -- Aug 3, Navy P3A Orion, lightning, turbulence breakup, ~Searchlight, NV¹⁵⁴⁶ -- 10

Other:

- 1868 -- July 05, lightning, Orange County, NY -- 9
- 1887 -- July 12, lightning, people seeking shelter under a tree, near Mt. Pleasant, TN -- 9
-
- 1929 -- Sep 03, 1st US lightning-strike plane crash, Transcontinental Air, Mt. Taylor, NM-- 8
- 1961 -- July 12, lightning electrocution, workers in barn, near Clinton, Sampson Co., NC-- 8
-
- 1893 -- June 21, lightning strikes Ringling Brothers Circus tent, River falls, WI -- 7
- 1964 -- Mar 03 lightning hits residence starting fire, Forrest City, AR¹⁵⁴⁷ -- 7
-
- 1943 -- Aug 10, lightning kills soldiers, drill field, Fort Belvoir, VA -- 6
- 1965 -- June 08, lightning hits farmer's dwelling, fire starts; children die, Jackson, TN-- 6
-
- 1884 -- July 30, lightning, 4 girls in bed killed, father commits suicide, Marysville KS-- 5
- 1953 -- Apr 29, lightning hits oil tank, explosion, nearby homes catch fire, Kilgore, TX-- 5
- 1994 -- June 16, lightning, Lake Moomaw, Bath County, VA -- 5
- 2001 -- Mar 03, lightning starts house fire, Montgomery, AL -- 5

¹⁵³⁸ Cross-listed in Aviation.

¹⁵³⁹ Cross-listed under Explosions and Maritime.

¹⁵⁴⁰ Cross-listed in Explosions – lightning started a fire which led to explosions which led to loss of life.

¹⁵⁴¹ Cross-listed in Aviation.

¹⁵⁴² Cross-listed in Explosions.

¹⁵⁴³ Cross-listed in Fire-Structural.

¹⁵⁴⁴ Cross-listed in Mining.

¹⁵⁴⁵ Cross-listed in Aviation.

¹⁵⁴⁶ Cross-listed in Aviation.

¹⁵⁴⁷ Cross-listed in Fire-Structural.

LIGHTNING and Lightning-Related – Deadliest American – CHRONOLOGICAL

- 1868 -- July 05, lightning, Orange County, NY -- 9
1. 1882 -- July 12, lightning/wind hits building, falls on saloon, fire, Texarkana, AR -- 30
1884 -- July 30, lightning, 4 girls in bed killed, father commits suicide, Marysville, KS-- 5
1887 -- July 12, lightning, people seeking shelter under tree, near Mt. Pleasant, TN -- 9
- 1893 -- June 21, lightning strikes Ringling Brothers Circus tent, River Falls, WI -- 7
2. 1901 -- July 01, lightning, boys seeking shelter at pier at Montrose Blvd., Lake View, IL-- 11
3. 1918 -- Oct 06, US steamer *Dumaru* hit by lightning, burns, 22 miles west of Guam¹⁵⁴⁸-- 19
4. 1921 -- June 12, lightning, gasoline storage tank explosion, Salt Lake City, UT¹⁵⁴⁹ -- 15
5. 1926 -- July 10, lightning/fire/explosions, USN Lake Denmark Arsenal, Dover, NJ¹⁵⁵⁰--21-22
1929 -- Sep 3, 1st US lightning-strike plane crash, Transcontinental Air, Mt. Taylor, NM-- 8
- 1943 -- Aug 10, lightning kills soldiers on drill field, Fort Belvoir, VA -- 6
6. 1945 -- June 14, USAAF C-46D hit by lightning, crashes near Oakridge, MS (Aviation)-- 17
7. 1945 -- July 17, lightning strikes USAAF B-17F, crash, ~Smoky Hill AAB, Salina, KS¹⁵⁵¹-10
- 1953 -- Apr 29, lightning hits oil tank, explosion, nearby homes catch fire, Kilgore, TX-- 5
8. 1961 -- Mar 28, residential fire (lightning?), Alex Whitehead home, Dotsonville, TN¹⁵⁵²-- 12
1961 -- July 12, lightning strikes tobacco barn near Clinton, Sampson County, NC -- 8
9. 1963 -- Dec 08, lightning, Pan Am #214 fuel gas explosion, crash, Elkton, MD¹⁵⁵³ -- 81
1964 -- Mar 03, lightning hits residence starting fire, Forrest City, AR (fire-structural)-- 7
1965 -- June 08, lightning hits farmer's dwelling, fire starts; children die, Jackson, TN-- 6
10. 1970 -- Aug 03, Navy P3A Orion, lightning, turbulence breakup, ~Searchlight, NV¹⁵⁵⁴-- 10
11. 1972 -- Feb 01, lightning, tanker *V.A. Fogg* gas explosion off Galveston, TX¹⁵⁵⁵ -- 39
- 1994 -- June 16, lightning, Lake Moomaw, Bath County, VA -- 5
- 2001 -- Mar 03, lightning starts house fire, Montgomery, AL -- 5
12. 2006 -- Jan 2, lightning and explosion, Sago Coal Mine, Tallmansville WV¹⁵⁵⁶ -- 12

¹⁵⁴⁸ Cross-listed in Maritime.

¹⁵⁴⁹ Cross-listed in Explosions.

¹⁵⁵⁰ Cross-listed in Explosions.

¹⁵⁵¹ Cross-listed in Aviation.

¹⁵⁵² Cross-listed in Fire-Structural.

¹⁵⁵³ Cross-listed in Aviation.

¹⁵⁵⁴ Cross-listed in Aviation.

¹⁵⁵⁵ Cross-listed under Explosions and Maritime.

¹⁵⁵⁶ Cross-listed in Mining.

MARITIME/Sea, Great Lakes, Riverine Events – Master Set – By MORTALITY

1. 1865 -- Apr 27, steamer *Sultana* explodes/burns, Miss. Riv., Redman Point, AR 1,547-1,947
2. 1904 -- June 15, *General Slocum* excursion steamer fire, East River, NYC, NY --957-1,031
3. 1715 -- July 31, hurricane, Spanish ships ground, Fort Pierce-Wabasso Beach, FL --1,000
4. 1915 -- July 24, crowded SS steamer *Eastland* rolls-over at dock, Chicago, IL 812-844
5. 1944 -- Dec 18, USN Task Force 38 hit by typhoon, 3 ships capsize off Philippines -- 790
 --202 *Hull*
 --256 *Monaghan*
 --317 *Spence*
 -- 15 deaths from ten other vessels
6. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX¹⁵⁵⁷ --581-600
7. 1865 -- Mar 31, US Govt. transport *General Lyon* burns off Cape Hatteras, NC ---521-571
8. 1919 -- Sep 12, Spanish liner *Valbanera* sinks off Rebecca Shoal, Dry Tortugas, FL -- 488
9. 1857 -- Sep 12, Hurricane, steamer *Central America* sinks, Blake Plateau off Charleston SC--400-427
10. 1837 -- Oct 31, *Monmouth & Tremont* collide, MS River Prophet Island Bend, LA --234-400
11. 1900 -- June 30, North German Lloyd Line fire, piers and ships, Hoboken, NJ --325-400
 -- 9 *Bremen* (crew). Hoboken Historical Museum.
 -- 0 *Kaiser Wilhelm der Grosse*. Hoboken Historical Museum.
 -- 44 *Main*. Hoboken Historical Museum. CD-ROM: The 1900 Hoboken Pier Fire.
 -- 99 *Saale*. Eastlake, Russell, Sharpe. *World Disasters*. "Saale, New York." 2001, p. 30.
 --173 "...on the piers." Hoboken Historical Museum.
12. 1944 -- Nov 10, USS *Mount Hood* explosion, Seeadler Harbor, Manus Island¹⁵⁵⁸ --372-378
13. 1918 -- Oct 25, Canada liner *Princess Sophia* strands, Vanderbilt Reef ~Juneau AK¹⁵⁵⁹ --343-364
14. 1854 -- Sep 27, US Mail steamer *Arctic* hit by *Vesta*, fog, Cape Race, Newfoundland--315-350
15. 1800 -- Sep 20 (after), USS *Insurgent* disappears after leaving Hampton Roads, VA -- 340
16. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA¹⁵⁶⁰ --320-325
17. 1918 -- Mar 09, last sighting, collier USS *Cyclops*, north of Virginia Capes, VA --290-324
18. 1854 -- Apr 16, storm, packet ship *Powhatan* grounds/breaks up off Long Beach Isl. NJ-250-311
19. 1829-30 -- brig *Kamehameha* lost, left Honolulu HI, Dec 2, for Erromango Island --250~300
20. 1850 -- June 17, steamer *G.P. Griffith* fire, Lake Erie, off Chagrin River mouth, OH --250-300
21. 1852 -- Aug 20, fog/steamers collide, *Atlantic* sinks, Lake Erie near Long Pt. Ont.--150~300
22. 1853 -- Dec 24-Jan 2, gale, troopship *San Francisco* deck swept away off Carolinas--209-300
23. 1854 -- Nov 13, storm, US immigrant ship *New Era* grounds on bar, Deal Beach, NJ --240-300
24. 1860 -- Sep 08, steamer *Lady Elgin* collides with schr., sinks, Lake MI off Winnetka, IL--287~300
25. 1898 -- Nov 26-27, Portland Gale, NY & MA maritime, esp. *SS Portland*, MA -- ~300
 --127-176 Side-wheel steamer, *SS Portland*, off Cape Cod.
 -- 15 *F. R. Walker*, fishing schooner, off Cape Cod.
 -- 16 steamer *Pentagoet*, off Cape Cod.
26. 1988 -- July 3, USS *Vincennes* missile cruiser shoots down Iran Air 655, Persian Gulf¹⁵⁶¹- 290

¹⁵⁵⁷ Cross-listed in Explosions and in Fire.

¹⁵⁵⁸ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea. Cross-listed in Explosions.

¹⁵⁵⁹ Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.

¹⁵⁶⁰ Cross-listed under Explosions.

MARITIME Disasters -- Master Set -- By MORTALITY (continued):

27. 1875 -- Nov 04, steamers *Pacific* and *Orpheus* collide, *Pacific* sinks off Cape Flattery WA-250-285
28. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost¹⁵⁶²--US 172-192 of 254-277
29. 1898 -- Feb 15, battleship *USS Maine* magazine explos., Havana Harbor, Cuba¹⁵⁶³ --263-268
30. 1856 -- Nov 02, schooner *Le Lyonnais* collision, Nantucket Island, MA --120-260
31. 1847 -- Nov 21, fire, steamboat *Phoenix* sinks, Lake Michigan, off Sheboygan, WI --160-258
32. 1866 -- Oct 03, hurricane, steamer *Evening Star* sinks, ~100M off Tybee Island, GA--247-255
33. 1944 -- Sep 13, hurricane, *USS Warrington* sinks off coast of FL¹⁵⁶⁴ --247-248
34. 1865 -- July 30, stmr. *Brother Jonathan* hits rock/sinks, storm, off Crescent City, CA--171-225
35. 1942 -- Aug 22, fog, convoy destroyer *Ingraham* sinks; had hit tanker *Chemung* off Nova Scotia--218
36. 1866 -- Feb 02, steamboat *W.R. Carter* boiler explosion, Miss. River, Isl. No. 98 --123-215
37. 1862 -- July 27, Pacific Mail steamboat *Golden Gate* burns/sinks off Manzanilla, Mexico-- ~213
38. 1860 -- Sep 18, U.S. Navy sloop-of-war *Levant* sails SE from Hilo, HI, Lost --150-210
39. 1869 -- Oct 27, steamer *Stonewall* burns/grounds, Miss. River, Tea Table Bar, MO -- ~209
40. 1942 -- Feb 18, *USS Truston* and *USS Pollux* run aground, storm, Placentia Bay NFLD-- 204
41. 1785 -- Sep 02, immigrant ship *Faithful Steward* grounds, coast of DE¹⁵⁶⁵ -- >200
42. 1799 -- sixty Native Alaskan bidarka's lost in storm, Hinchinbrook Entrance, S.C. AK-- 200
43. 1811 -- Dec 16-Feb 7, 1812, New Madrid earthquakes, Mississippi River boats -- ~200
44. 1838 -- Apr 25, steamboat *Moselle* boiler explosion and fire, near Cincinnati, OH --81-200
45. 1841 -- Aug 09, steamer *Erie* explosion/fire, sinks, Lake Erie off Silver Creek, NY --100-200

1850 -- Sep 20, Barque *Emily* from SF, Cal., lost off Cape St. Lucas, Baja, Mex.¹⁵⁶⁶ -- ~198

46. 1864 -- Dec 22, U.S. steam transport *North America* sinks, storm off coast of north FL-- 197
47. 1833 -- June-July (esp.), cholera, esp. Brig *Ajax*, Steamers *Chester* & *Tobacco Plant*¹⁵⁶⁷-->190
48. 1856 -- Jan 23, Amer. Steamer *Pacific* leaves Liverpool, Sinks, Irish Sea ~Wales¹⁵⁶⁸ -- 186
49. 1907 -- Feb 11, sidewheel steamer *Larchmont* hit by schooner, sinks off Block Harbor, RI--133-183
50. 1870 -- Jan, Steamer *City of Boston* sails from NYC for Liverpool, Lost -- 177
51. 1952 -- Apr 26, US destroyer *Hobson* hits Carrier *Wasp*, night maneuvers, sinks, No. Atlantic- 176
52. 1837 -- May 08, Steamer *Ben Sherrod* fire/explosions, MS River, Fort Adams, MS --120-175
53. 1853 -- Feb 16, Steamer *Independence* hits rock/sinks, Margarita Island, Lower CA--120-172
54. 1851 -- Oct 3-4, Storm, New England Fishing Schooners Lost, ~Prince Edward. Island-- 166
55. 1800 -- Feb 01, U.S. Frigate *Constellation* engagement with French *La Vengeance*¹⁵⁶⁹-- 160
56. 1858 -- Jun 13, *Pennsylvania* boiler explos./fire, MS River, Ship Isl., Hardin Pt., AR--60-160

¹⁵⁶¹ U.S. disaster in that US Navy vessel, intruded into Iranian territorial waters, shot down Iranian passenger airliner without certitude that it was military target representing a threat. Retrieved onboard screen shots showed that target had been identified with civilian transponder code, at high altitude/ascending, not descending, as claimed.

¹⁵⁶² Cross-listed in winter Storms (though technically late fall, the storm itself was winter snow and wind storm).

¹⁵⁶³ Cross-listed under Explosions.

¹⁵⁶⁴ Cross-listed under Hurricane -- subset of the 390-412 attributed to the "Great Atlantic Hurricane of 1944."

¹⁵⁶⁵ Cross-listed under Hurricane, though there is some question that the hurricane was the primary factor.

¹⁵⁶⁶ Later reports deny this event happened. It is not included in our numbers – listed to show it is not an oversight.

¹⁵⁶⁷ Brig *Ajax* had about 50 deaths after leaving New Orleans, most after putting in at Key West; Steamer *Chester* about 100 deaths among troops and Swiss immigrants after leaving New Orleans for St. Louis; Steamboat *Tobacco Plant* lost 17 after leaving New Orleans for Louisville in April. Steamboat *Reindeer* lost 17 on the Arkansas Riv. in July. No doubt many more died of cholera on river steamboats than we have taken note.

¹⁵⁶⁸ The *Pacific* was a U.S. vessel, built in U.S., and manned with a primarily U.S. crew. Was considered a U.S. loss.

¹⁵⁶⁹ Cross-listed in Violence-Attack.

MARITIME Events -- **Master Set** -- **By MORTALITY** (continued):

57. 1879 -- Feb 20-21, Storm, ~13 Gloucester, MA Schooners Lost, George's Bank, NF-143-157
58. 1840 -- Jan 13, Steamer *Lexington* Fire/Sinks, Long Island Sound, NY --118-156
59. 1863 -- Aug 19, Steamboat *City of Madison* ammunition explosion, Vicksburg, MS --50-156
60. 1832 -- Apr 09, Steamer *Brandywine* Burns, Miss. River, Brandywine Island, AR --60-155
61. 1895 -- May 27, Storm, *Colima* (SF, CA) Founders off Manzanilla, Mexico -- 153
62. 1849 -- Nov 15, Steamboat *Louisiana* boilers explode, sinks, New Orleans, LA --86-150
63. 1864 -- Jul 21, *B.M. Runyan* snags/sinks, MS River, Island 84, Gaines Landing, MS --70-150
64. 1829 -- Sep 29, brig USS *Hornet* disappears in gale off Tampico, Caribbean -- 145
65. 1838 -- June 14, sidewheel *Pulaski* boiler explodes/sinks SE of New River Inlet, NC--95-141
66. 1944 -- Jan 03, US destroyer *Turner* ammo explosions/fire/sinks ~NY Harbor --138-139
67. 1841 -- Mar 11, steamer *President* sails from New York, not heard from again -- 136
68. 1906 -- Jan 22, storm, liner SS *Valencia* grounds/sinks, so. side Vancouver Island, BC-- ~136
69. 1934 -- Sep 08, *Morro Castle* ship fire, off Sea Girt, Monmouth County, NJ --134-135
70. 1815 -- Aug 08, last sighting of Sloop-of-War USS *Epervier*, lost, Atlantic Ocean -- 134
71. 1967 -- July 29, USS *Forrestal* jet rocket fires/hits plane/fire/explosions, Tonkin Gulf, Vietnam--134
72. 1705 -- Dec 19-21, privateer *Castle Del Rey* grounds/breaks-up, Sandy Hook, NJ -- 132
73. 1797 -- Sep 08, gale, slave ship *General Nichols* founders off FL/GA coastal border -- 132
74. 1901 -- Feb 22, *City of Rio de Janeiro* grounds/sinks in fog, Fort Point, SF Bay CA--127-131
75. 1838 -- Apr 21, steamer *Oronoko* flue collapse/explosion, Miss. River, Princeton, MS-50-130
76. 1963 -- Apr 10, *USS Thresher* submarine sinks, implosion, off Cape Cod, MA -- 129
77. 1873 -- Aug 24, "Nova Scotia" hurricane sinks fishing fleet from Gloucester MA¹⁵⁷⁰ -- 128
78. 1915 -- May 07, RMS *Lusitania* torpedoed by German Submarine (1,198 killed)¹⁵⁷¹ -- 128
79. 1893 -- Oct 01-02, Hurricane *Cheniére Caminanda*, Gulf Coast, LA, MS, AL¹⁵⁷² --123-127
80. 1919 -- Sep 09-10, hurricane, *Corydon, Grampus, Larimer, Lake Conway, Munisla* lost-- 127
81. 1871 -- July 30, Staten Island Ferry *Westfield II* boiler explosion, NY Harbor, NY --106-125
82. 1851 -- Jan 27, steamboat *John Adams* snags/sinks, MS River, above Greenville, MS -- 123
83. 1862 -- Feb 24, Blow of 1862, 15 Gloucester MA fishing boats lost, Georges Bank -- 122
84. 1888 -- Mar 11-14, East Coast "Blizzard of 1888,"¹⁵⁷³ maritime loss component -- 121
85. 1912 -- Apr 14, RMS *Titanic* hits iceberg and sinks, North Atlantic --119 US of ~1,517
86. 1837 -- Jan 02, barque *Mexico* grounds, Hempstead Beach, S. Shore Long Island, NY -- 116
87. 1941 -- Oct 31, USN destroyer *Reuben James* sunk (prior to Pearl har.), U-boat ~Iceland-115
88. 1944 -- Jan 06, USS *St. Augustine & Camas Meadows* collide off Cape May, NJ -- 115
89. 1883 -- Nov 12-14, gales, nine Gloucester, MA fishing schooners lost, Georges Bank -- 114
90. 1908 -- Sep 20, SF, CA bark *Star of Bengal* grounds/wrecks, Coronation Island, AK-111-112
91. 1928 -- Nov 13, UK *Vestris*, out of NYC with US passengers, sinks off VA Capes, VA--~111
92. 1903 -- Sep 15-17, maritime component, Mid-Atlantic coast hurricane¹⁵⁷⁴ --90-107
93. 1800 -- ~Sep, Revenue Cutter brig USS *Pickering* lost, gale/hurricane off FL¹⁵⁷⁵ --70-105

¹⁵⁷⁰ Cross-listed here as a subset of Hurricane (total fatalities >600).

¹⁵⁷¹ Though a British boat, 128 U.S. citizens were killed; considered a disaster at the time.

¹⁵⁷² This is a subset of 1,700-2,000 cross-listed hurricane fatalities, and is a minimum representation of maritime, especially fishing craft, losses, which is a tally of craft identified by name and numbers of crew lost.

¹⁵⁷³ Cross-listed in winter Storms – Nor'easters

¹⁵⁷⁴ Cross-listed in Hurricanes (total life lost, 125) – includes Sch. *George F. Edmunds* (15 lives lost)

¹⁵⁷⁵ Cross-listed in Hurricanes.

94. 1878 -- Jan 31, steamer *Metropolis* wrecks, gale, south of Jones Hill Station, NC --85-104
 95. 1898 -- Feb 05, storm, Seattle schnr. *Clara Nevada* grounds/sinks ~Eldred Rock, AK--82-104
 96. 1864 -- Sep 5, steamer *Washoe* boiler explos., Sacramento Riv., ~10m N. of Rio Vista, CA- 51-103
 97. 1877 -- Nov 24, storm, Navy warship USS *Huron* grounds, Nags Head, NC --83-103
 98. 1884 -- Jan 18, stmr. *City of Columbus* hits Devil's Bridge reef, Martha's Vineyard, MA-103
 99. 1954 -- May 26, U.S. Carrier *Bennington* explosions and fire, off Quonset Point, RI -- 103
 100. 1868 -- Apr 09, WI sidewheel *Sea Bird* fire/sinks, Lake Michigan off Waukegan IL--67-102
 101. 1778 -- Dec 26-27, Blizzard, New Eng., esp. MA and RI, brig *Arnold*, sloop *Stark* -- 101
 102. 1822 -- May 08-July 24,¹⁵⁷⁶ yellow fever, U.S. Frigate *Macedonian*, Caribbean -- 101
 103. 1880 -- Oct 16, sidewheel steamer *Alpena* sinks, Lake Mich. storm off Holland, MI --60-101
 104. 1700 -- Sep 14, Hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston SC¹⁵⁷⁷--~100
 105. 1837 -- Oct 09, sidewheeler *Home* grounds, Racer's hurricane, Ocracoke Island, NC --90-100
 106. 1844 -- Jan 03, Steamboat *Shepherdess* Snags/Sinks, 3M No of St. Louis, MO --57-100
 107. 1850 -- Dec 13, Steamer-Tug *Anglo-Norman* boiler explosion, ~New Orleans, LA --20-100
 108. 1851 -- Sep 29, Steamboat *Brilliant* boiler explos., Miss. River, Bayou Goula, LA --27-100
 109. 1852 -- Apr 09, steamboat *Saluda* boiler explosion, Missouri Riv., Lexington, MO --54-100
 110. 1857 -- Nov 18, Storm, ~Twenty Coal Boats Sink, OH and MS Rivers ~Cairo IL -- ~100
 111. 1900 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome AK¹⁵⁷⁸>100

MARITIME Events -- **Master Set** -- **By MORTALITY** (continued):

112. 1850 -- Oct 06, Storm, Emigrant (Irish) Ship *Saint John*, Wrecks, Scituate, MA -- 99
 113. 1968 -- May 21, last com., US nuclear submarine *Scorpion*, on bottom 400M W. of Azores-- 99
 114. 1890 -- July 13, Steamer *Sea Wing* capsizes in storm, MS River, Lake Pepin, MN -- 98
 115. 1915 -- Aug 14-15, United Fruit Co. steamer *Marowijne* sinks, hurricane, Gulf of Mx.-87-98
 116. 1832 -- Nov-Dec (esp.), cholera, East Coast, Mississippi and Ohio river boats¹⁵⁷⁹ -- ≥95
 117. 1918 -- Sep 29-Oct, Navy Transport *Leviathan*, influenza epidemic, Atlantic Ocean -- 91
 118. 1839 -- Dec 15, winter gale, maritime losses, MA coast/harbors, esp. Gloucester, MA --67-90
 119. 1852 -- July 28, Steamer *Henry Clay* Burns/Sinks, Hudson River, Yonkers, NY --70-90
 120. 1854 -- Mar 09, steamer *John L. Avery* snags/sinks, Miss. Riv., Black Hawk Pt., LA --30-90
 121. 1858 -- June-Nov, yellow fever, *Echo/27, Sparkling Wave/13, USS Susquehanna/46*-- ≥90
 122. 1863 -- Aug 21, USS *Bainbridge* capsizes, hurricane, off Cape Hatteras, NC¹⁵⁸⁰ --80-90
 123. 1965 -- Nov 13, SS *Yarmouth Castle* fire/capsizes/sinks, Miami to Nassau ~Great Stirrup Cay-90
124. 1836 -- Nov 21/22, storm, US ship *Bristol* wrecks, Far Rockaway Beach, Long Isl., NY- 64-89
 125. 1907 -- July 21, liner *Columbia* hit by sch. *San Pedro*, fog, sinks ~Shelter Cove, no. CA--80-88
 126. 1918 -- Jul 05, fog, steamer *Columbia* snags/sinks, IL River, Wesley City, Pekin, IL--87-88
 127. 1943 -- Oct 21, tankers *Gulfbelle* & *Gulfland* collide/burn, ~Lake Worth Inlet, FL --87-88
 -- 51 *Gulfbelle* (31 crew and 20 Naval Armed Guard)

¹⁵⁷⁶ The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.

¹⁵⁷⁷ Cross-listed in Hurricanes.

¹⁵⁷⁸ A hurricane-like southeaster gale producing storm surge into Nome, AK and high waves that destroyed buildings along waterfront. Have seen reference to 18-19 specific deaths at Nome, mostly drowning. Cross-listing in Maritime in that over 100 Natives reportedly drowned trying to cross from Kings Island to the mainland in umiaks.

¹⁵⁷⁹ Do not know exact number; speculate over 95 including 8 steamers and a brig: Brig *Amelia/20*; steamers *Chief Justice Marshall/36, Constitution/7, Experiment/1; Express/1; Gallipolis/4; Freedom/13*; two unnamed (1 each).

¹⁵⁸⁰ Cross-listed in Hurricanes.

--36-37 *Gulfland* (34-35 crew and 2 Naval Armed Guard)

128. 1872 -- Oct 33, screw steamer *Missouri* fire off Abaco Light, Lucaya, Bahamas --50-87
129. 1781 -- Mar 18, gale, Continental Sloop *Saratoga* lost off the Bahamas¹⁵⁸¹ -- ~ 86
130. 1942 -- June 15, passenger ship *Cherokee* sunk by U-boat, Atlantic ~50M off Boston, MA-- 86
131. 1943 -- June 01, MM *John Morgan* and tanker *Montana* collide off Cape Henry, VA-- 86
 --67 freighter *John Morgan* (42 merchant marine crew, 15 Naval armed guard)
 --19 tanker *Montana* (9 crew and 10 Naval Armed Guard)
132. 1856 -- Aug 10-11, Steamer *Nautilus* Founders, Hurricane off LA Coast¹⁵⁸² --70-85
133. 1982 -- Feb 15, storm, *Ocean Ranger* oil rig sinks, Grand Banks, Canada¹⁵⁸³ --15US of 84
134. 1943 -- Dec 2, Germans bomb Bari, Italy; US freighter *John Harvey* hit/mustard gas cargo¹⁵⁸⁴-->83
135. 1778 -- Dec 25, storm, brig *General Arnold* grounds, White Flats, Plymouth Bay MA-- 81
136. 1813 -- Aug 8, schooners USS *Hamilton* & *Scourge* capsize, Lake Ontario squall ~Niagara Riv. NY>80
137. 1844 -- Mar 01, Collision, *Buckeye/De Soto* MS River, near Atchafalaya, LA --50-80
138. 1844 -- Oct 23, steamer *Lucy Walker* boiler explosion, Ohio River ~New Albany, IN--56-80
139. 1847 -- Dec 29, steamer *A.N. Johnston* boiler explosion, Ohio Riv., ~Maysville, KY--60-80
140. 1855 -- Jan 27, steamer *Pearl* boiler explosion, Sacramento River, Marysville, CA --40-80

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

141. 1929 -- Aug 29, steamer *San Juan* hit by tanker *S.C.T. Dodd*, sinks ~Pigeon Pt., CA --75-78
142. 1890 -- Apr 26, SF CA ship *Oneida* strands, Oneida Rock, off Sanak Island SW, AK-- 77
143. 1976 -- Oct 20, tanker *Frosta* hits ferry *George Prince* (capsizes), MS Riv., Luling, LA--77
144. 1845 -- Dec 18-19, steamer *Belle Zane* snags/capsizes, MS Riv., Island No. 75, AR --40-76
145. 1862 -- Aug 13, USS *George Peabody* & *West Point* collide, Potomac River, VA --70-76
146. 1865 -- Jan 8, storm, SC steamer *Melville*, NY to Port Royale SC, sinks off Hatteras NC-76
147. 1944 -- Jul 2, Japanese sub captures US *Jean Nicolet* complement of 100 off Ceylon; murders most-76
148. 1857 -- Nov 21, steamer *Rainbow* burns/sinks, MS riv., Victoria Bend, Napoleon AR--62-75
149. 1864 -- Feb-Mar (esp. Mar 22), 8 Gloucester, MA fishing schooners lost at sea --74-75
150. 1865 -- Jun 09, steamboat *Kentucky* snags & sinks, Red River, below Shreveport LA --50-75
151. 1865 -- Nov 24, steam. *Niagara* sinks after *Post Boy* collision, MS Riv. ~Prairie Pt. AR--75
152. 1871 -- Aug 27, steamboat *Ocean Wave* boiler explosion, Point Clear ~Mobile, AL --34-75
153. 1873 -- Aug 08, steamer *Wawaset* burns, Potomac River, off Aquia Creek, VA --13-75
154. 1862 -- Feb 27, steamboat *Prince* snags and sinks, Mississippi River near Hickman KY--74
155. 1868 -- Dec 4, steamers *United States* & *America* collide/burn/sink, OH riv., Rayl's Lndg., IN-72-74
156. 1969 -- June 03, USS *Frank E. Evans* cut in half by Aus. carrier *Melbourne*, So. China Sea-74
157. 1857 -- Mar 13, schooner *Kamamalu* sails from Honolulu for Hilo, lost at sea --~70-72
158. 1932 -- Sep 09, steam screw *Observation* explosion and fire, East River, NY -- 72
159. 1945 -- Mar 13, storm, US troopship *J.W. McAndrew* hit by French ship, N. Atlantic --68-71
160. 1849 -- Early May~May 10, cholera, steamer *Monroe*, St. Louis to Jefferson City¹⁵⁸⁵ --63-70

¹⁵⁸¹ Estimate based on US Navy note on size of ship's "complement." US Navy. *Dictionary of...Ships*, "Saratoga."

¹⁵⁸² Cross-listed in Hurricane. Francaviglia (*From Sail to Steam...Texas Maritime History*, 1998, 175) dates the loss at Aug 8 off the coast of Texas.

¹⁵⁸³ Sixty-eight Canadians, one Englishman, and fifteen Americans

¹⁵⁸⁴ At least 83 people died from mustard gas poisoning; 90% of these U.S. Merchant Mariners from several ships.

¹⁵⁸⁵ Counted as well in 1849 cholera listing. Have not been able to break out number dying on the *Monroe*, as opposed to those dying after landing, and the citizens who were infected with cholera and subsequently died in Jefferson City and in Cole County. It is conceivable the number dying on the *Monroe* was less than sixty-three.

161. 1852 -- cholera, esp. MS/OH Rivers, steamers *Midas/17* and *Philadelphia/43* (Atlantic)-≥70
 162. 1859 -- Feb 27, steamer *Princess* boiler explosion/fire, MS River, ~Baton Rouge, LA-- 70
 163. 1872 -- Aug 30, propeller *Metis* hits schooner *Nettis Cushing*, sinks off Watch Hill, RI--20-70
 164. 1875 -- Nov 09, steamship *City of Waco* burns, off Galveston Bar, TX --49-70
 165. 1882 -- July 04, steamboats collide, *Scioto* sinks, Ohio River, Mingo Junction, OH -- ~70
 166. 1883 -- May 03, American steamer *Grapples* burns, Puget Sound to Alaska, off BC -- 70
 167. 1942 -- July 30, last communication, US submarine *Grunion*, off Kiska Island, AK -- 70

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

168. 1850 -- Apr 28, stmr. *Anthony Wayne* boiler explosion, Lake Erie, ~Vermilion, OH --38-69
 169. 1869 -- Feb 12, steamer *Mittie Stephens* fire, Caddo Lake ~Swanson's Landing TX --61-69
 170. 1943 -- Aug 19, Panamanian-flag tanker *J.H. Senior* collision/fog/burns off Nova Scotia-67-69
 --40-41 Danish crew and 27-28 US Navy Armed Guard
 171. 1865 -- Oct 12, steamer *Yosemite* boiler explosion, Sacramento Riv., Rio Vista, CA --55-68
 172. 1880 -- Aug 28, *City of Vera Cruz* sinks, hurricane (cross-listed) off Mosquito Inlet, FL--68
 173. 1893 -- Oct 13-14, Great Lakes storm, esp. *Dean Richmond*, *Wocoken*, others, lost --57-68
 -- 2 *Annie Sherwood* schooner Lake Superior
 -- ?5 *Aunt Ruth* schooner Lake Huron (not certain loss)
 -- 7-8 *C. B. Benson* schooner, Oct 13, Lake Erie, off Port Colborne, Can
 --15-23 *Dean Richmond* propeller freighter Lake Erie, off Dunkirk, NY
 -- 6 *Minnehaha* schooner Lake Michigan
 -- 6-7 *Riverside* schooner Lake Erie
 -- 1 *Volunteer* schooner Lake Huron
 --13-14 *Wocoken* freighter Lake Erie, off Dunkirk, NY
 -- 3 unnamed small boat Lake Erie, off Dunkirk, NY
 -- 4 New York mainland
 174. 1882 -- Feb 05?, gale, Gloucester schrs. *Bellerophon*, *Carroll*, *Pew*, *Revere*, *Somes*, GB--67
 175. 1918 -- May 01, steamship *City of Athens* sinks in collision off Coast of DE -- 67
 176. 1815 -- Jan 23, Portland Maine Privateer *Dash* lost in squall, George's Bank area --54-66
 177. 1857 -- May 31, steamboat *Louisiana* burns, off Galveston, TX --35-66
 178. 1871 -- Jan 28, steamer *W. R. Arthur* boilers explode, MS riv., Isl. #40 ~Memphis, TN--45-66
 179. 1842 -- Nov 15-18, Great Lakes Storm, maritime losses, especially Lake Erie -- >65
 -- 8 *Brandywine* (schooner), aground, 11-15-1842.
 -- 6 *Caroline* (schooner), sunk?, 18 Nov 1842.
 -- 6 *Detroit* (schooner), aground, 11-15-1842." Lake Erie off Ontario Province, Can.
 -- 1 *Edwin Jenny* (schooner), aground, 15 Nov 1842." Lake Erie, Canadian shore.
 -- 8 *Emily* (schooner), lost, 11-18-1842." Capsized off Long Point, Can., Lake Erie.
 -- 9 *Jefferson* (schooner), aground, 11-18-1842." Grounded, Buffalo, NY, Lake Erie.
 -- 2 *Jena* (schooner). Out of Detroit, lost two men off Grand River, Lake Michigan.
 -- 6 *Liguire* (schooner), aground, 11-15-1842." Point Abino, Canada side, Lake Erie.
 -- 2 *Merchant* (schooner), rudder damaged, 11-15-1842. Fairport Hbr., NY, Lake Erie.
 --10 *Milwaukie* (Ship), aground, 18 Nov 1842." Near Kalamazoo Riv., mouth, Lake MI.
 -- 7 *N. Hubbard* (schooner), aground, 15 Nov 1842." Off Conneaut OH, Lake Erie.
 180. 1846 -- Sep 19, Gale, 11 Fishing Schooners Lost, out of Marblehead, MA -- 65
 181. 1866 -- Jan 30, Steamer *Missouri* boiler explodes/sinks, Ohio River near Newburgh, IN- 65
 182. 1905 -- July 21, USS *Bennington* Gunboat Boiler Explosion, San Diego, CA --60-65

183. 1914 -- Sep 18, Steamer *Francis H. Leggett* Founders, Storm, off Coast of OR -- 65
 184. 1902 -- Apr 20, steamer *City of Pittsburg* fire, Ohio River ~Ogden's Landing, KY -- ~64
 185. 1919 -- Jan 10, steamer *Yuna* grounds, Monchoir Bank, Bahamas -- 64
 186. 1943 -- Aug 19 US freighter *J. Pinckney Henderson* collision/burns off Nova Scotia --59-63
 187. 1852 -- Apr 03, steamboat *Glencoe* boiler explosion and fire, St. Louis, MO --40-62
 188. 1944 -- Feb 26, storm, US freighter *William H Welch* grounds/breaks, Eilean Furadh Mor Isl., Scotland-62
 189. 1945 -- Jan 21, USN Plane Bombs Explode USS *Hancock* landing, South China Sea-- 62
 190. 1856 -- Mar 15, Steam Ferry *New Jersey* Fire,, Delaware Ri., Philly to Camden, NJ --30-61
 191. 1856 -- Oct 24, stmr. *Toledo* sinks, Lake Michigan storm, off Port Washington, WI --40-61
 192. 1864 -- Nov 12, Navy gunboat *Tulip* boiler explosion, Ragged Point, MD --49-61

MARITIME Disasters -- Master Set -- By MORTALITY (continued)

193. 1777 -- Privateer *The Gloucester* Lost, out of Gloucester, MA -- ~60
 194. 1823 -- Feb 08, Steamboat *Tennessee* Snags, Mississippi River, ~ Natchez, MS -- 60
 195. 1825 -- May 05, Steamer *Teche*, explos. MS R., St. Catherines Creek, ~Natchez MS--15-60
 196. 1830 -- Feb 24, steamboat *Helen McGregor* boiler explosion, MS riv., Memphis TN --33-60
 197. 1833 -- June 07, steamer *Peruvian* boiler explosion, MS River, ~New Orleans LA¹⁵⁸⁶ 50-60
 198. 1838 -- Nov 25, *General Brown* boiler explosion, Mississippi River, Helena, AR --30-60
 199. 1846 -- Feb 14/15, winter Snow Storm, *John Minturn* & other boats wreck, NJ --50-60
 200. 1854 -- Jan 28, steamboat *Georgia* Fire (boiler explosion?), Lake Pontchartrain, LA--25-60
 201. 1854 -- Mar 05, steamboat *Caroline* burns White Riv. ~20M from MS Riv. mouth, AR--45-60
 202. 1856 -- Sep 24, Sidewheel *Niagara* burns/sinks, Lake Mich., off Port Washington, WI--40-60
 203. 1859 -- Apr 24 steamer *St. Nicholas* boiler explosion/fire, MS Riv., 9m above Helena AR--~60
 204. 1865 -- Apr 25, *Massachusetts* hits *Black Diamond*, Potomac Riv. ~St. Clement's Isl., MD-->60
 205. 1866 -- May 31, *City of Memphis* boiler explosion/fire, MS River off Buck Island AR-11--~60
 206. 1867 -- Feb 17, Steamer *David White* boiler explosion, Miss. River ~Pt. Chicot, MS --35-60
 207. 1868 -- Jun 20, *Morning Star* & *Cortland* collide & sink, Lake Erie, ~Black Riv. OH- 37-60
 208. 1944 -- Feb 26, freighter *El Coston* hits US tanker *Murfreesboro*/fire, No. Atlantic -- ~60
 --17-18 Panama-flagged freighter *El Coston* (9 crew and 8 USN Armed Guard)
 --43-45 American tanker *Murfreesboro* (26-29 crew and 16-17 USN armed guard)
209. 1867 -- Jan 17, Steamer *John Raine* Burns?, Mississippi River, Greenville, MS¹⁵⁸⁷ -- 59
 210. 1916 -- Oct 20-21, *Merida, D.L. Flyer, James B. Colgate* Sink, Storm, Lake Erie --54-59
 211. 1856 -- July 17, MI steamer *Northern Indiana* burns, Lake Erie, near Pt. Pelee, Ont. --40-58
 212. 1871 -- Jan 14, Steamboat *T. L. McGill* burns, Mississippi River, Shoo-Fly Bar, MS --40-58
 213. 1918 -- fall/winter, Cruiser *Pittsburgh*, influenza epidemic, Rio de Janeiro Brazil -- 58

¹⁵⁸⁶ One report noted a boiler explosion above New Orleans; another said in Natchez MS; one does not note locale other than MS River between New Orleans and Louisville; and one which states there was no explosion.

¹⁵⁸⁷ Though there are four sources, have been unable to corroborate with any newspaper or other source. Suspicious – when there was a steamboat large loss of life event it was reported in papers nationwide. Speculate there may have been confusion between this “event” and boiler explosion on steamboat *David White* 2-17-1867 at Point Chicot, just above Greenville. Earlier in its career (1858) the *David White* had been named *John Raine*. The source we use which notes this states that “some sixty persons lost their lives...” when *the David White* boilers exploded. (*Cincinnati Commercial*. “River and Steamboat News.” 5-9-1867, p. 7.) This is close to the 59 noted by Berman, Lytle/Holdcamper, Nash, and Way, in their accounts of the *Raine* fire. Suspect that either Lytle and Holdcamper or Way put down the first (and mistaken) account, and the other sources repeated the same data.

214. 1926 -- Dec 20, Motor Launch *Linseed King* hits Ice, Sinks, Hudson River, NYC --35-58
 215. 1943 -- June 10, tanker *Esso Gettysburg* torpedoed ~100M southeast of Savannah, GA-- 57
 216. 1904 -- Jan 8/9, storm, steamer *Clallam* floods/sinks, Strait of San Juan de Fuca/east, WA--56
 217. 1921 -- Mar 21, ocean-going tug USS *Conestoga* leaves Mare Island, CA, lost at sea-- 56

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

218. 1842 -- July 03, steamboat *Edna* boiler explosion, near mouth of MO River, MO -- 55
 219. 1883 -- Dec 28, Gloucester schooners *Stetson*, *Knutsford*, *Irving*, *Maddocks* lost, gale--52-55
 220. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD¹⁵⁸⁸ -- 55
 221. 1918 -- Sep 20-Oct 2, Navy transport *America*, influenza outbreak, Atlantic to France-- 55
 222. 1925 -- Aug 18, steamer *Mackinac* boiler explosion, Narragansett Bay, RI --47-55
 223. 1944 -- Apr 19, US Liberty ship *John Straub* explosion/sinks off Sanak Island, AK --53-55

 224. 1878 -- Oct 21-24, hurricane and maritime loses, NC, VA, MD, DE, PA, NJ, CT¹⁵⁸⁹ -- 54
 225. 1945 -- Apr 09, US freighter *Charles Henderson* explos., bomb unloading, Bari, Italy --52-54

 226. 1848 -- Aug 12, steamer *Edward Bates* boiler explosion, Miss. River ~Hamburg, IL -- 53
 227. 1901 -- Aug 15, Can. steamer *Islander* hits iceberg/sinks off Douglas Isl. ~Juneau, AK --42-53
 228. 1942 -- Nov 23, US tanker *Caddo* sunk by U-boat, east of Halifax, Nova Scotia --51-53

 229. 1851 -- Feb?, steamboat *Arkansas*, Tallapoosa River, Mobile to Wetumpka, AL -- 52
 230. 1870 -- Oct 20, steamer *Varuna* sinks in hurricane, 35 miles NE of Jupiter Inlet, FL -- 52
 231. 1929 -- Oct 22, RR car carrier *Milwaukee* sinks, Lake MI storm ~7m NE Milwaukee WI--52
 232. 1942 -- Sep 24, US freighter *John Winthrop* sunk by U-boat, N. Atlantic, for NY --all 52

 233. 1840 -- May 07, steamboat *Hinds* sunk, Tornado, Natchez, MS¹⁵⁹⁰ -- 51
 234. 1847 -- Nov 19, steamers collide, *Talisman* sinks, Miss. River, Cape Girardeau, MO-- ≥51
 235. 1919 -- Nov 07-09, Baltimore MD steamer *Polar Land* founders off Scatarie Isl. NS-- 51
 236. 1956 -- July 25, *Andrea Doria* and *Stockholm* collide, fog off Nantucket Isl., MA¹⁵⁹¹-- 51

 237. 1820 -- Jan 11, last sighting of schooner USS *Lynx*, St. Mary's, GA to Jamaica -- 50
 238. 1837 -- Dec 27, *Black Hawk* boiler explosion, fire, MS River, Black Hawk Pt., LA --30-50
 239. 1838 -- June 16, stmr. *George Washington* (2d) burns, Lake Erie, ~Silver Creek, NY--30-50
 240. 1846 -- Nov 21, steamers collide, *Maria* sinks, Miss. River, 7M below Natchez MS --30-50
 241. 1848 -- May 27, steamer *H. Kenney* boiler explosion, Tombigbee River, AL -- 8-50
 242. 1848 -- Dec 22, cholera, steamboat *Peytona* arrives at Louisville from New Orleans¹⁵⁹² --50
 243. 1849 -- sometime after Apr 21, cholera on steamboat *Mary*, MS Riv. before St. Joseph-- 50
 244. 1850 -- Oct 29, steamboat *Sagamore* boiler explosion, Central wharf, San Francisco, CA-30-50
 245. 1854 -- Apr 15, steamer *Secretary* explosion, San Francisco Bay ~San Pablo Bay, CA-- 50

¹⁵⁸⁸ Cross-listed in Explosions.

¹⁵⁸⁹ Land & Maritime losses cross-listed in Hurricane.

¹⁵⁹⁰ Cross-listed in Tornado. 586 people estimated to have been killed due to this tornado.

¹⁵⁹¹ Cross-listed in Fog as Contributing Factor. *Andrea Doria* was Italian liner; *Stockholm* was Swedish. Collision occurred in U.S. waters. 46 passengers died on the *Andrea Doria*; 5 sleeping crewmen died on the *Stockholm*.

¹⁵⁹² McClellan in his *History of the Travels of Asiatic cholera...In North America* (1875, p. 611), writes that in addition to these 50 deaths some passengers subsequently succumbed to cholera at the Marine Hosp. there.

246. 1856 -- Nov 04, stmr. *J.W. Brooks* sinks, Lake Ont. gale, ~False Duck Island, Ontario --20-50
 247. 1859 -- Mar 28, steamers *Nathaniel Holmes & David Gibson* collide, OH Riv., Petersburg, KY-35-50
 248. 1860 -- June 25, steamer *Ben. W. Lewis* boiler explosion/fire, Miss. River, Cairo, IL --23-50
 249. 1867 -- Jan 17, steamer *Platte Valley* hits submerged wreck, MS Riv. near Memphis TN--16-50
 250. 1874 -- Aug 05, steamboat *Pat Rogers* burns, Ohio River ~1M below Aurora, IN --47-50
 251. 1880 -- June 11, steamer *Narragansett* hit/burns/sinks, fog, off Saybrook, CT¹⁵⁹³ --27-50
 252. 1880 -- June 28, steamer *Seawanhaka* explodes/burns, East River, Randall's Isl., NY --24-50
 253. 1915 -- Aug 16-17, dredge-boat *Sam Houston* grounds, hurricane, Highland, TX¹⁵⁹⁴ -- 50
 254. 1930 -- June 10, fog/collision/fire, *Fairfax*/oil tanker *Pinthis*/all 19, off Scituate, MA¹⁵⁹⁵-50
 255. 1942 -- Aug 17, US tanker *Louisiana* sunk by U-boat ~200M off Paramaribo, Suriname-49-50
 256. 1942 -- Sep 19, US freighter *Wichita* sunk by U-boat ~75 miles south of Barbados --all 50
 257. 1960 -- Dec 19, fire, *USS Constellation* (under construction) NY Naval Shipyard, NY-- 50

MARITIME Events -- **Master Set** -- **By MORTALITY** (continued):

258. 1887 -- Oct 29, loaded steamer *Vernon* sinks, Lake MI storm, off Two Rivers, WI --41-49
 259. 1915 -- Apr 03, shipwreck, steamer *Prinz Maurits*, off Cape Hatteras, NC -- 49
 260. 1925 -- Nov 30-Dec 02, hurricane and maritime losses off east coast of FL -- 49
 -- 6 Flagler Beach area. Rum running schooner from Bahamas grounds/breaks
 --32 St. Augustine, ~35 miles off of; SS *Cotopaxi* founders
 --11 Somewhere south of Savannah, heading south; Yacht *Miramar*
 261. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Isl., BC¹⁵⁹⁶-- 49
 262. 1977 -- Jan 17, USN LCM-6 liberty boat hit/capsized by cargo vessel, Barcelona, Spain--49

 263. 1885 -- Nov 07, snowstorm, passenger ship *Algoma* grounds, Greenstone, Mott Isl., MI¹⁵⁹⁷-37-48
 264. 1924 -- Jun 12, battleship *USS Mississippi* gun turret cordite fire off San Pedro, CA -- 48
 265. 1939 -- Sep 25, tropical storm, fishing boat *Lur/15, Spray/24* capsized, others, SoCal--44-48
 266. 1942 -- Feb 27, US tanker *R.P. Resor* sunk by U-boat ~20m east of Manasquan Inlet NJ-- 48

 267. 1865 -- Oct 15, steamer *Atlanta*, N.O., LA to NYC sinks/storm, off Sandy Hook, NJ--45-47
 268. 1916 -- May 09, steamer *Roanoke* founders (sinks) off Point Buchon, CA --45-47
 269. 1989 -- Apr 19, *USS Iowa* No. 2 turret explosion, near Puerto Rico -- 47
 270. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derailed into water/fire, ~Mobile, AL¹⁵⁹⁸-47

 271. 1820 -- Mar 06, USN chartered schooner *Quaker* sinks in gale, Chesapeake Bay --41-46
 272. 1854 -- Mar 13, steamer *Reindeer*, boiler flue collapse, Ohio River, Cannelton, IN --40-46
 273. 1858 -- Spring, *USS Susquehanna*, yellow fever outbreak, off San Juan, Puerto Rico-- 46
 274. 1889 -- Oct 03, steamer *Corona* boiler explosion, Mississippi Riv., False River, LA --38-46
 275. 1942 -- Jan 24, *USS S-26* accidentally rammed/sunk by PC-460, Gulf of Panama -- 46
 276. 1942 -- June 08, US freighter *Sicilien* sunk by U-boat ~10m so. of Cape Beata, Dom. Rep.-- 46

¹⁵⁹³ Cross-listed under Fog as a Contributing Condition.

¹⁵⁹⁴ Cross-listed in Hurricanes as a subset. There were 275-352 total fatalities.

¹⁵⁹⁵ Cross-listed in

¹⁵⁹⁶ Part of Canadian Graham Island group just south of southern point of Alaska's Alexander Archipelago.

¹⁵⁹⁷ No surviving record of those onboard and conflicting accounts of numbers of crew and passengers lost and saved. The Thunder Bay Public Library webpage on the *Algoma* names 30 crew and 12 passenger fatalities.

¹⁵⁹⁸ Cross-listed in Fog as a contributing factor and in Rail.

277. 1952 -- Jan 09, SS *Pennsylvania* (of Tacoma) founders ~455M off Cape Flattery WA-- 46

MARITIME Events -- Master Set -- By MORTALITY (continued):

278. 1906 -- Nov 18, steamers *Dix* and *Jeanie* collide, *Dix* sinks, Puget Sound, WA --42-45
279. 1935 -- Jan 24, collision, liner *Mohawk* (sinks) & freighter *Talisman*, off Sea Girt, NJ-- 45
280. 1942 -- Jan 26, U.S. freighter *West Ivis* sunk by U-boat, off Cape Hatteras, NC -- 45
281. 1951 -- Sep 1, overloaded deep-sea fishing boat *Pelican* capsizes off Montauk Pt., Long Isl., NY--45
282. 1905 -- Oct 19/20, Great Lakes storm, at least 27 wood vessels lost, esp. *Kaliyuga* -- ≥44
-- 5 *Emma L. Neilsen*, schooner, stranded, Presque Isle Bay, MI, Lake Huron.
-- 2 *John V. Jones*, schooner, Lake Michigan.
-- 1 *Joseph S. Fay*, steamer, near Rogers City, MI, Lake Huron.
--17 *Kaliyuga*, steamer, lost, last seen 5m off Presque Isle, MI, Lake Huron.
-- 9 *Minnedosa*, schooner (Canadian), foundered off Harbor Beach, MI. L. Huron.
-- 2 *Sarah E. Sheldon*, schooner, off Loraine near Lincoln, OH, Lake Erie.
-- 8 *Tasmania*, schooner-barge, foundered, SW Shoal, Pelee Island, Lake Erie.
283. 1942 -- June 9-10, US freighter *Merrimack* sunk by U-boat ~65m SE Cozumel Island-43-44
284. 1966 -- Oct 26, USS *Oriskany* fire, lit magnesium flare in flare locker, off Vietnam -- 44
285. 1866 -- Dec 27, steamer *Fashion* burns, Miss. River, 7-12M above Baton Rouge, LA-- 43
286. 1885 -- Oct 12, last sighting, San Fran. whaler *Amethyst*, St. Lawrence Isl. Bering Sea, AK--43
--38 *Amethyst* crew
-- 5 *Rainbow* crew survivors onboard the *Amethyst*
287. 1896 -- Mar 08, Seattle schooner *Lincoln* departs for Kodiak, AK, lost, storm, Pacific--25-43
288. 1902 -- Jan 02, steamer *Walla Walla* hit by bark *Max*, 9m off Cape Mendocino, CA --36-43
289. 1942 -- Jan 19, US freighter *City of Atlanta* sunk, U-boat ~10m off NC SE of Manteo-- 43
290. 1943 -- Dec 11, collier *Suffolk* sinks in heavy gale off Montauk Point, NY --all 42-43
291. 1846 -- Nov 27, *Atlantic* steam explos., grounds, reef, gale ~Fisher's Island, NY -- 42
292. 1852 -- Jan 31, steamer *General Warren* grounds/wrecks, Columbia Riv. Bar, OR --40-42
293. 1856 -- Oct 29, sidewheel *Superior* grounds, Lake Superior gale, Pictured Rocks MI--34-42
294. 1862 -- Feb 23, Confederate steamer *Cambridge* snags, Grand Glaise, AR -- 42
295. 1871 -- Apr 02, gale, Gloucester, MA schooners *Lindberg*, *Pride*, *Murray*, *Hough* lost-- 42
296. 1921 -- Jan 20, steamer *Hewitt* sails from Sabine TX for Boston MA, Lost -- 42
297. 1921 -- Aug 06, fog, coastal passenger steamer *Alaska* grounds off Blunts Reef, CA -- 42
298. 1943 -- June 12, U.S. Navy submarine *R-12* (SS 89) floods, sinks, off Key West, FL -- 42
299. 1819 -- July 27, hurricane, US *Firebrand* grounds, 'Square Handkerchief,' MS¹⁵⁹⁹ --39-41
300. 1848 -- May 27, Str. *Clarksville* burns, MS Riv., ~Isl. 75/Ozark Isl. ~Napoleon, AR --21-41
301. 1850 -- Mar 04, steamer *Orline St. John* burns/sinks, Ala. Riv. ~Bridgeport Landing, AL--39-41
302. 1851 -- Nov 27, *Archer* sinks after collision (*Die Vernon*), MS Riv., Enterprise Isl. ~Grafton, IL--34-41
303. 1864 -- Jun 03, steamer *Pocahontas* sinks, *City of Bath*, collision, off Cape May NJ --40-41
304. 1898 -- Mar 20/21, bark *Helen W. Almy* capsizes near Point Bonita, CA --40-41
305. 1916 -- Aug 29, cruiser USS *Memphis* driven to shore by giant waves, Dom. Rep. -- 41

¹⁵⁹⁹ Cross-listed under Hurricane.

306. 1914 -- Jan 30, steamers *Monroe* & *Nantucket* collide in fog off Hog Island, VA¹⁶⁰⁰ -- 41
 307. 1942 -- June 05, US tanker *L.J. Drake* sunk by sub SE of Isla Saona, Dominican Rep.-- 41

MARITIME Events -- **Master Set** -- **By MORTALITY** (continued):

308. 1766 -- Mar, storm, seven Gloucester MA fishing boats sink, Grand Bank -- ~40
 309. 1792 -- July 01, storm or tornado, Philadelphia and NYC, boaters drown -- ~40
 310. 1829 -- June 04, magazine explosion, steam frigate *Fulton*, Navy Yard, Brooklyn¹⁶⁰¹-24-40
 311. 1833 -- Nov, steamship *Caspian* burns, near Mouth of Red River, LA --25-40
 312. 1833 -- Oct 31, steamer *St. Martin* burns, Mississippi River, Donaldsonville, LA --30-40
 313. 1835 -- May 15, steamboat *Majestic* boiler collapse/explosion, Memphis, TN --38-40
 314. 1842 -- Oct 08, *S.B. Eliza* snags/sinks, MS Ri. ~5m above mouth OH Ri, IL Shore --30-40
 315. 1843 -- Sep 19, steamboat *Clipper No. 1* boiler explosion, MS Riv., Bayou Sara, LA--30-40
 316. 1845 -- Apr 07, steamer *Swallow* grounds, Hudson River, near Athens, NY --15-40
 317. 1845 -- Dec 11, steamer *Caspian* snags and sinks, Miss. River, Island No. 25, AR -- 40
 318. 1850 -- Jan, cholera onboard steamboat *Dove*, Ouachita River, AR and LA --30-40
 319. 1851 -- May 02, steamer *Webster* burns, MS riv., Island no. 86, Kentucky Bend KY--30~40
 320. 1852 -- Jan 25, steamer *De Witt Clinton* snags, sinks, MS Riv. below Memphis, TN --35-40
 321. 1852 -- Apr 03, steamer *Redstone* boiler explosion, Ohio River 3M~ Carrolton, KY --26-40
 322. 1852 -- July 05, steamer *St. James* boiler explosion/burns, Lake Pontchartrain, LA --38-40
 323. 1862 -- Aug 21, steamer *Acacia* snags, sinks, Mississippi River, Grand Cut Off, AR -- ~40
 324. 1865 -- May 29, storm, *Governor Troup* burns Savannah Ri., below Augusta, SC shore-- 40
 325. 1865 -- Aug 9, *Pewabic* collides with *Meteor*, sinks, Thunder Bay, Lake Huron, ~Alpena, MI- 40
 326. 1865 -- Dec 27, steamer *Constitution* grounds/breaks-up, Cape Lookout shoals, NC -- 40
 327. 1866 -- Jan 28, steamer *Miami* boiler explosion and fire, Arkansas River ~Napoleon AR-40
 328. 1870 -- Feb 19, steamer Emma No. 3 snags, burns, MS Riv., Isl. No. 35/Reverie, TN-- 40
 329. 1872 -- Apr 11, steamer *Oceanus* boiler explosion/fire, MS River, Brook's Point, IL--34-40
 330. 1886 -- Dec 13, steamer *J.M. White* fire, MS Riv., Blue Store Lndg. ~Pt. Coupee, LA--28-40
 331. 1887 -- Nov 17-19, northeaster, Lake Superior, thirty shipwrecks -- ~40
 332. 1920 -- Apr 18, storm steamer *William O'Brien*, NYC, lost in Atlantic Ocean -- 40
 333. 1927 -- Dec 17, sub *USS S-4* struck by CG *Paulding*, sinks off Provincetown, MA -- 40
334. 1860 -- Oct 31, steamer *H. R. W. Hill* boiler explosion, Miss. Riv., Baton Rouge, LA-- 39
 335. 1870 -- Dec 18, *Nick Wall* snags/sinks Miss. River, ~Princeton, MS/Napoleon, AR -- 39
 336. 1886 -- Nov 15-18, Lake Superior and Michigan storm, MI & WI maritime deaths -- 39
 -- 5 *Emerald*, barge; foundered near Kewanee, WI, Lake Michigan
 -- 3 *F. M. Dickinson*, barge; foundered off Kewaunee, WI, Lake Michigan
 -- 1 *Florida*, schooner; pushed ashore into pier crushing a crewman
 -- 6 *Helen*, schooner; grounded near Muskegon, MI, Lake Michigan
 --10 *Lucerne*, schooner; grounded/broke-up off Chequamegon Pt., WI, Superior
 -- 7 *Marinette*, schooner; driven ashore/wrecked near Frankfort, MI, Lake Mich.
 -- 7 *Menekaunee*, schooner; driven ashore/wrecked near Frankfort, MI, Lake MI
337. 1906 -- Nov 21-22, Great Lakes Storm, U.S. and Canadian losses (esp. maritime) --38-39
 338. 1913 -- Jan 01-25, Steamer *El Dorado* Lost, from Sparrow Point MD to Galveston -- 39

¹⁶⁰⁰ Cross-listed in Fog as a Contributing Condition.

¹⁶⁰¹ Cross-listed in Explosions.

339. 1942 -- Feb 20, US freighter *Lake Osweya* sunk by U-boat, Atlantic, off SW Nova Sc. --all 39
 340. 1942 -- May 20, US tanker *Halo* sunk by U-boat ~15M south of Port Fourchon, LA -- 39
 341. 1942 -- May 27, US freighter *Jack* sunk by U-boat ~100M SW of Port Salut, Haiti --37-39
 342. 1951 -- Apr 20, *Esso Greensboro* & *Esso Suez* collide full speed/dense fog, Gulf of Mexico-- 39
 --37 tanker *Esso Greensboro* (5 survivors)
 -- 2 tanker *Esso Suez* (47 survivors)
 343. 1963 -- Feb 04, SS *Marine Sulphur Queen* disappears between Cuba and south FL -- 39
 344. 1972 -- Feb 01, Gas explosion (lightning?), tanker *V.A. Fogg*, off Galveston, TX¹⁶⁰² -- 39

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

345. 1860 -- Jan 5, steamer *Northerner* hits rock off Centerville Beach, S of Humboldt Bay CA--33-38
 346. 1862 -- fall, esp., yellow fever, especially U.S. Frigate *St. Lawrence* (29) -- 38
 347. 1878 -- Dec 10, steamer *Emily B. Souder* founders in storm off Cape Hatteras, NC --36-38
 348. 1900 -- Aug 07, storm and maritime losses, Nome and vicinity, AK -- 38
 349. 1906 -- Feb 24, SF CA steamer *Centennial* departs Hakodate, Japan for San Fran., lost-- 38
 350. 1909 -- Dec 08, coal car ferry *Marquette & Bessemer No. 2* lost, Lake Erie storm --30-38
 351. 1918 -- Early Oct, US Navy transport *Siboney*, influenza epidemic, Atlantic Ocean -- 38
 352. 1919 -- Dec 18, steamer *J.A. Chanslor* hits rocks in fog, sinks off Cape Blanco, OR --37-38
 353. 1942 -- Feb 21, US freighter *Azalea City* sunk by U-boat ~125 miles SE of Ocean City, MD--38
 354. 1942 -- Apr 23, Amer. tanker *Connecticut* sunk by German torpedo boat, so. Atlantic-36-38
 355. 1942 -- Nov 7, US freighter *Nathaniel Hawthorne* sunk by sub ~40M NE Isla de Margarita--38

 356. 1806 -- Aug 21-24, hurricane, Carolinas coastal/maritime, *Rose in Bloom* upset, NJ¹⁶⁰³-- 37
 357. 1852 -- Sep 04, steamboat *Reindeer* boiler explosion, Hudson River ~Bristol, NY --28-37
 358. 1853 -- May 15, US (Baltimore built) *Monumental City* grounds, Tullaberga Is. Aus.-32-37
 359. 1889 -- Apr 06, nor'easter, DE/MD/VA/NC, Chesapeake Bay, many vessels lost --25-37
 360. 1910 -- Oct 11-14, steamship *Arkadia* lost at sea, New Orleans, LA to San Juan, P.R.-- 37
 361. 1920 -- Feb 29, steamer *Cubadist* lost, Cuba to Baltimore, MD -- 37
 362. 1941 -- June 29, cabin cruiser *Don* explodes and burns off Bailey Island, ME -- 37
 363. 1941 -- Dec 02, American tanker *Astral* sunk by U-boat off coast of Lisbon, Portugal-all 37
 364. 1944 -- Sep 12, hurricane, USN minesweeper *YMS 409* sinks, off Atlantic coast¹⁶⁰⁴ -- ~37
 365. 1945 -- Apr 09, US tanker *Saint Mihiel* collision/fire/abandoned, off Delmarva coast-- 37
 366. 1953 -- Oct 16, carrier USS *Leyte* explosion/fire, Charleston Naval Yard, Boston MA-- 37
 367. 1954 -- Oct 07, SS *Mormackite* founders in rough seas off the Virginia Capes, VA -- 37
 368. 1966 -- Jun 16 (& 28), collision/explosions/fire, *Texaco Mass./Alva Cape*, off NY, NY¹⁶⁰⁵-- 37
 369. 1967 -- Oct 09, freighter *Panoceanic Faith* founders/storm, 870m SW of Kodiak, AK--36-37
 370. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf¹⁶⁰⁶ -- 37

¹⁶⁰² Cross-listed in Lightning and Explosions.

¹⁶⁰³ Cross-listed in Hurricanes. Majority of deaths were maritime (e.g. 21 from *Rose In Bloom* off Barnegat Inlet NJ). Sources note 42 deaths. Have seen references to only five on land (in the Wilmington, NC vicinity). Thus we surmise, for purposes of positioning in a tally, that something like (or approximately) 37 were maritime.

¹⁶⁰⁴ These fatalities are part of the 391 attributed to the "Great Atlantic Hurricane."

¹⁶⁰⁵ Thirty-three deaths on June 16 (*Alva Cape*, 19; tug *Esso Vermont*, 8; *Texaco Massachusetts*, 3; and tug *Latin American*, 3) and four more on June 28 while the *Alva Cape* was being unloaded at Gravesend Bay.

¹⁶⁰⁶ Cross-listed in Violence -- Attacks.

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

371. 1840 -- May 10, schooner *Keola* sinks after ballast shifts, off Kahoolawe, Hawaii --26-36
372. 1841 -- Feb 22, fire, steamer *Creole*, Miss. River, Torras, ~Red River Mouth, LA --12-36
373. 1844 -- Dec 14, collision, *Belle of Clarksville/Louisiana*, MS River, ~Memphis, TN --31-36
374. 1850 -- Apr 22, *Belle of the West*, fire/boiler explosion?, OH Riv., ~Warsaw, KY¹⁶⁰⁷- 34-36
375. 1853 -- Mar 23, steamer *Farmer* boiler explosion, was racing, Galveston Bay, TX --32-36
376. 1854 -- Sep 12, steamer *Malon* sinks, Ohio River, near Paducah, KY -- 36
377. 1865 -- Jan 26/27, steamer *Eclipse* boiler explosion, Tenn. River, Johnsonville, TN --27-36
378. 1870 -- Oct 09, steamer *Mariposa* (NOLA to NY) lost/founders off east coast of FL -- 36
379. 1904 -- Dec 07, SF CA fishing schr. *Pearl* departs; wreck found Mar 7 ~Sanak Isl., AK--36
380. 1913 -- Jan 07, storm, *Rosecrans* grounds, mouth Columbia Riv., Peacock Spit, OR --30-36
381. 1915 -- Dec 23, NY steamer *Orleanian* leaves NYC for Malta, not heard from again-- 36
382. 1919 -- Sep 08, last communication, steam tanker *Larimer*, 8m south of Key West, FL¹⁶⁰⁸- 36
383. 1942 -- Jan 15, UK tanker *Coimbra* (out of Bayonne, NJ), torpedoed by U-boat 50M so. Shinnecock L.I., NY-36
384. 1942 -- Mar 05, US freighter *Mariana* sunk by U-boat ~30M no. of east Turks Isl. --all 36
385. 1942 -- May 19, US freighter *Heredia* sunk by U-boat 2M SE of Ship Shoal Buoy, LA-35-36
386. 1951 -- May 14, collier *Thomas Tracy* & USS *Valcour* collide/*Valcour* fire off Cape Henry VA--36
387. 1845 -- July 23, steamboat *Big Hatchie* boiler explosion, Missouri river, Hermann MO->35
388. 1848 -- Jan 18, steamboat *Yalobusha* burns, Mississippi River, Donaldsonville, LA -- 35
389. 1860 -- Feb, Gloucester Ma sch. *George Washington, Advance, W.S. Wonson, Relief* lost-35
1862 -- or 1863, Aug,¹⁶⁰⁹ steamer *Planet* sinks, Lake Superior ~Eagle Riv., Keweenaw Pt.-- 35
390. 1863 -- Aug 28, sidewheel *Sunbeam* sinks, Lake Superior gale, ~Eagle Harbor, MI --26-35
391. 1864 -- June 08, fire steamer *Berkshire*, Hudson River, Esopus Island, NY -- 35
392. 1865 -- Mar 02, Union transport *James Watson* snags/burns, MS Riv., Island No. 76, AR--34-35
393. 1868 -- Mar 18, *Magnolia* boiler explosion/fire, OH R. ~Cincinnati Oh & California Ky-- 35
394. 1886 -- Oct 05, *La Mascotte* flue collapse/fire/stack fall, MS Riv., Crawford Lndg., MO-- ≥35
395. 1894 -- May 15-18, Great Lakes Storm, esp. Lake Michigan, 23-28 ships founder --27-35
396. 1894 -- June 24, overloaded (NY excursionists) tug *James D. Nicol*, sinks, Sandy Hook, NJ-- ≥35
397. 1898 -- Jan 31-Feb 1, storm and maritime fatalities, MA coast, esp. Gloucester area --17-35
398. 1921 -- Oct 24, last comm. with oil tanker *Santa Rita*, New Orleans to Italy, lost at sea-- 35
399. 1924 -- Mar 11, Ward Line steamer *Santiago* wrecks off Hatteras, NC --25-35
400. 1926 -- Apr 08, *Silvanns* and *Thomas H. Wheeler* collide, Pointe A La Hache, LA -- 35
401. 1941 -- Aug 18, fire, Pier 27, spreads to Freighter *Panuco*, burns/sinks, Brooklyn NY-34-35
402. 1941 -- Dec 7, cargo ship *Cynthia Olson* sunk by Japanese sub, Pacific, btw. Tacoma & Honolulu-35
403. 1942 -- Feb 06, US freighter *Major Wheeler* sunk by U-boat, ~130m off Cape Hatteras NC--35
404. 1942 -- Feb 22, US tanker *W.D. Anderson* sunk by U-boat off Jupiter Island, FL -- 35
405. 1942 -- June 29, US freighter *Ruth* sunk by U-boat, Caribbean, ~320M NNE Barbuda-- 35
406. 1943 -- Dec 16, US freighter *Nevada* founders in gale, Atlantic ~200m so. of Greenland-31-35
407. 1980 -- May 9, *Summit Venture* hits Sunshine Skyway Bridge, Collapse, Tampa FL¹⁶¹⁰-- 35

¹⁶⁰⁷ There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

¹⁶⁰⁸ Included, as well, in Sep 10-14. 1919 Hurricane.

¹⁶⁰⁹ Though reported in a source, the *Planet* did not sink in August 1862 or 1863. The *Planet* did pick up a survivor of the *Sunbeam* sinking in a storm at this location Aug 28, 1863 – 34 died in that event.

¹⁶¹⁰ Cross-listed in Structural Failure, Bridge Collapse and in Road/Highway.

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

408. 1811 -- Oct 05, gale/hurricane, USS gun boat *No. 2* sinks, off St. Mary's, GA -- 34
 409. 1841 -- steamer *Carolina* snags, Mississippi River, Osceola, AR -- 34
 410. 1848 -- Dec, cholera, esp. MS River steamers *Paytona/14, Mohawk/6, Fashion/5* -- 34
 411. 1853 -- Apr 11, steamship *Jenny Lind* boiler explosion, San Fran. Bay ~Redwood City, CA-33-34
 412. 1861 -- Feb, Gloucester MA schrs. *Sweepstakes, Young, Stanwood, White Swallow* lost-- 34
 413. 1865 -- Oct 25, steamer *Republic* (former USS *Tennessee*) founders ~Savannah, GA-- 34
 414. 1873 -- Jan 27~, steamer *George S. Wright* hits rocks?, Queen Charlotte Sound, BC, Can.-34
 415. 1886 -- Jan 8-10, gale, coast of NJ, NY and New England, maritime losses -- 34
 416. 1898 -- May 22, squall, Seattle schooner *Jane Gray* takes on water/sinks W of Cape Flattery, WA-34
 417. 1904 -- Apr 13, battleship *Missouri*, magazine explosion, off Pensacola, FL¹⁶¹¹ --32-34
 418. 1916 -- Dec 26, steamer *Maryland* lost, Atlantic Ocean, 300 miles off NY --26-34
 419. 1916 -- Jan 18, gale, Can. halibut trawler *Onward Ho* lost (icing capsized) ~Cape Fairweather, AK--34
 420. 1932 -- Sep 27, OR steamer *Nevada* strands on rocks, Aleutian Island Amatignak, AK-- 34
 421. 1936 -- Jan 12, freighter SS *Iowa* grounds/sinks, Columbia Riv. bar, Peacock Spit, WA-- 34
 422. 1940 -- Nov 11-12, Armistice Day Storm, Lake Michigan, *Anna Minch*, others lost -- 34
 423. 1942 -- Feb 02, US tanker *W.L. Steed* sunk, U-boat, ~90m off Delaware River mouth, DE-- 34
 424. 1942 -- Mar 06, US freighter *Steel Age* sunk by sub, S. Atlantic ~130m NE Paramaribo, Suriname--34
 425. 1942 -- Mar 22, American tanker *Muskogee* sunk by U-boat, northeast of Bermuda --all 34
 426. 1980 -- Oct 24, SS *Poet* leaves Philadelphia for Egypt, lost, probably Oct 25-26 -- 34
 427. 2019 -- Sep 02, diving boat *Conception* fire, near north side of Santa Cruz Island, CA-- 34
428. 1807 -- July, South Ferry scow sinks, Hudson River, Albany, NY -- 33
 429. 1859 -- Dec 16, ship *Silas Holmes* founders after grounding, Florida Keys vic., FL --32-33
 430. 1861 -- Nov 9-10~, NY steamer *Keystone State* sinks, Lake Huron gale, off Port Austin, MI--33
 431. 1864 -- Apr 15, steamer *Chenango* boiler explosion, NY Harbor ~Ft. Richmond NY--30-33
 432. 1887 -- July 10, overloaded sloop yacht *Mystery* capsizes, Canarsie Bay, LI, NY --24-33
 433. 1888 -- Dec 23, steamer *Kate Adams* burns, Miss. River, Commerce Landing, MS -- ~33
 434. 1901 -- Dec 2, steamer *Matteawan* leaves Nanaimo, BC for San Fran., CA, lost in gale-- 33
 435. 1910 -- Feb 06, US Navy tug *Nina* departs Norfolk, sinks in gale, Fenwick Isl. Shoals, DE--31-33
 436. 1916 -- freight steamer *Frederick* lost at sea, North Atlantic -- 33
 437. 1925 -- Sep 25, sub USS *S-51* hit by *City of Rome*, sinks, Block Island, RI -- 33
 438. 1941 -- June 19, USS *0-9* (SS-70) lost, deep submerge. test off Isle of Shoals, NH -- 33
 439. 1942 -- Feb 22, US tanker *J.N. Pew* sunk by U-boat, Caribbean, ~225M west of Aruba-- 33
 440. 1942 -- Jun 28, US freighter *Tillie Lykes* sunk by sub ~100m so. Santo Domingo, Dom. Rep.-33
 441. 1942 -- June 23, US tanker *Rawleigh Warner* sunk by U-boat south of East Bay, LA--all 33
 442. 1944 -- Sep 12, USS *YMS-409* minesweeper founders off Cape Hatteras, NC¹⁶¹² --32-33
 443. 1958 -- Nov 18, freighter *Carl D. Bradley* sinks in Lake MI storm, ~Gull Island, MI-- 33
 444. 2015 -- Oct 1, U.S. cargo ship *El Faro* sinks / Hurricane Joaquin, off east Bahamas¹⁶¹³-- 33
445. 1836 -- Oct 25, steamer *Royal Tar* burns/sinks off Fox Island, Penobscot Bay, ME -- 32

¹⁶¹¹ Cross-listed under Explosions.

¹⁶¹² Cross-listed in Hurricanes, as part of subset of 390-412 deaths in Sep 9-15 "Great Atlantic Hurricane of 1944."

¹⁶¹³ Cross-listed in Hurricanes. There were twenty-eight U.S. nationals and five Polish nationals.

446. 1846 -- Dec 08, storm, U.S. Naval brig *Somers* capsizes off Vera Cruz, Mexico --30-32
 447. 1852 -- Aug 22, steamer *Doctor Franklin No. 2* flue collapse, Ste. Genevieve, MO -- 32
 448. 1871 -- Oct 15, steamer *R.G. Coburn* sinks, Lake Huron storm, no. of Saginaw Bay, MI--~32
 449. 1872 -- Dec, 26, storm, bark *Kadosh* wrecked, ship *Peruvian* lost, MA coast -- 32
 450. 1879 -- Nov 08, steamer *Champion* collision with British bark, Cape Henlopen DE --31-32
 451. 1882 -- Mar 30, steamboat *Golden City* burns, Mississippi River, Memphis, TN --28-32
 452. 1892 -- Apr 19-May 10, Victoria schooner *Lottie* capsizes, west of Tillamook Bay, OR--31-32
 453. 1895 -- Apr 14, BC Can. sealing schmr. *Walter A Earle* capsizes, storm, off Cape St. Elias, AK- 32
 454. 1913 -- Aug 17, SF steamer *State of California* hits rock/sinks, Gambier Bay, Admiralty Is. AK-31-32
 455. 1914 -- Jan 04, steamer *Oklahoma* breaks-up/sinks/rough sea, ~Sandy Hook, NJ --26-32
 456. 1919 -- Sep 9~, freighter *Lake Conway* lost, storm?, Atlantic/Gulf of Mexico --31-32
 457. 1942 -- Apr 03, US freighter *Otho* sunk by U-boat ~200M east of Cape Henry, VA --31-32
 458. 1942 -- June 01-2, US freighter *Illinois* sunk by U-boat ~400M NE of Puerto Rico --31-32
 459. 1964 -- Dec 17, Spanish stmr. *San Patrick* grounds on rocks/breaks-up, Ulak Isl., AK--all 32
 460. 1979 -- Nov 01, tanker *Burmah Agate* collides with freighter *Mimosa*, Galveston TX-- 32

MARITIME Events – Master Set – By MORTALITY (continued):

461. 1804 -- Oct 9, “winter” storm (“hurricane”), New England, especially coast of MA¹⁶¹⁴- ≥31
 462. 1824 -- Oct 28, schooner USS *Wildcat* founders in gale, Cuba to Thompson’s Isl., W. Indies--~31
 463. 1869 -- Mar 6-7, gale, Gloucester schrs. *Price, Porter, & Woodbury* lost, Georges Bank--31
 464. 1894 -- Dec 7-8, steamer *Keweenaw* lost in gale, Pacific, Cape Flattery WA vicinity --29-31
 465. 1910 -- Sep 9, *Pere Marquette 18* springs leak/sinks, Lake MI, 20M off Sheboygan WI¹⁶¹⁵29-31
 466. 1910 -- Oct 01, battleship *New Hampshire* launch capsizes, Hudson River, NY --23-31
 467. 1917 -- Sep 03, bark *Alice Knowles* founders 200 miles Northeast of Bermuda -- 31
 468. 1934 -- Nov 09, schooner *John R. Manta* lost after sailing from Providence, RI -- 31
 469. 1942 -- May 28, US freighter *Alcoa Pilgrim* sunk by U-boat ~150M so. of Mona Passage-- 31
 470. 1942 -- Sep 24, US freighter *West Chetac* sunk by sub ~100m no. of Georgetown, Brit. Guiana--31
 471. 1943 -- May 04, US freighter *Oneida* springs leak/sinks, storm, ~100M off Norfolk VA--31
 472. 1948 -- May 31, USN Carrier *Kearsarge* launch swamped, Hampton Roads, VA --30-31
 473. 1971 -- Mar 27, storm, tanker *Texaco Oklahoma* breaks-up/sinks, off Cape Hatteras, NC-- 31
 474. 1983 -- Feb 12, gale, collier *Marine Electric* (34 crew) capsizes/sinks off Chincoteague, VA-31
475. 1804 -- Sep 07-09, GA and SC hurricane (>500 deaths land and sea)¹⁶¹⁶ -- >30
 476. 1817 -- May 04, steamer *Constitution* boiler explosion, MS Riv., Point Coupee, LA --10-30
 477. 1828 -- May 14, *Car of Commerce* boiler explosion, MS. River, Canadian Reach, AR-- 30
 478. 1834 -- Oct 24, *Missouri Belle* sinks in collision (*Boonslick*), ~Kenner & N.O., LA -- 30
 479. 1836 -- Mar 13, steamboat *Ben Franklin* boiler explosion near wharf, Mobile, AL --13-30
 480. 1839 -- May 06, *George Collier* steam escape, Miss. River at Red River mouth, LA --26-30
 481. 1842 -- Nov 30, coastal storm, *Isadore* lost, Cape Neddock ME, also MA and NH --28-30

¹⁶¹⁴ Cross-listed in winter Storms in that this was a coastal severe snow storm and a significant drop of temperature.

One additional live was lost on shore when part of one building was blown down through the roof of another.

¹⁶¹⁵ We include two fatalities from the *Pere Marquette 17* while trying to perform rescues.

¹⁶¹⁶ unknown actual number. Our 30 number is estimate from lives lost from five craft: brig *Consolation*, and schooners *Favourite*, *Liberty* (all hands) *Patsy*, and *Traveller* (all hands lost). Mishaps (during what has been referred to as an “extreme” coastal hurricane) of numerous other vessels are mentioned in the press at the time.

482. 1845 -- July 01, steamboat *Marquette* boiler explosion, New Orleans, LA --17-30
 483. 1846 -- Feb 13/14, Steamers *Congress & Saladin* collide, MS Riv. KY Bend, KY --15-30
 484. 1846 -- Jun 27, Brig *Sutley*, Pictou N.S. to fall River, wrecks, Vineyard Sound MA -- 30
 485. 1848 -- Jan 09, *Blue Ridge* boiler explosion, OH Ri., Raccoon Island, ~Gallipolis OH --15-30
 486. 1848 -- Nov 21, steamer *Wyandotte* snags and sinks, MS River, above Vicksburg MS-- 30
 487. 1850 -- Nov 21, 25 or 26, Steamer *Antoinette Douglas* Boiler Explos., AL Riv., AL -- 9-30
 488. 1850 -- Dec 17, steamboat *South America* burns, Miss. River, Morgan's Bend, LA --27-30
 489. 1851 -- Feb 09, *Autocrat* sinks (*Magnolia* collision) MS Riv., Bayou Goula Bend, LA--~30
 490. 1852 -- Nov 12, *Buckeye Belle* boiler explosion, Muskingum Riv., Beverly canal, OH-- 30
 491. 1854 -- Mar 27, steamer *Monroe* hits log/sinks, Miss. Ri., just north of Natchez, MS--17-30
 492. 1854 -- Sep 30, SS *Yankee Blade* capsizes on reef, fog, near Pt. Arguello CA¹⁶¹⁷ --15-30
 493. 1855 -- June 30, steamer *Lexington* boiler explosion/fire, Ohio Riv., ~Stephensport KY--30
 494. 1856 -- Feb 05, steamer *Belle* boiler explosion, nine miles above Sacramento, CA -- ~30
 495. 1863 -- Aug 04, steamboat *Ruth* burns (arson), Mississippi River, ~Columbus, KY -- 30
 496. 1873 -- Aug 22, *George C. Wolfe* boiler explos., MS Ri., St Francis Is. ~Helena AR --15-30
 497. 1875 -- Apr 23, steamers *Exporter*, *Charles Bodman*, *Kyle* burn, New Orleans, LA -- 30
 498. 1882 -- Sep 30, steamboat *Rob't. E. Lee* burns, Miss. River, Yucatan Landing, LA --22-30
 499. 1888 -- Feb 27, ferry *Julia* boiler explosion/fire, Carquinez Strait, South Vallejo, CA-- 30
 500. 1889 -- May 13, sidewheel steamer *Alaskan* founders, storm, off Cape Blanco, OR --28-30
 501. 1903 -- Nov 02, storm, WA steamer *Discovery* founders, off Lituya Bay, SE coast AK--26-30
 502. 1905 -- Nov 13~, storm, WA fish schnr. *Nellie Coleman* lost off Cape Yakataga, AK -- ≥30
 503. 1916 -- June 05, tornado, packet-boat *Eleanore* capsizes, MS River ~Memphis, TN --12-30
 504. 1918 -- Feb 26, US Naval tug, *Cherokee*, founders in storm, Delaware Capes, DE -- 30
 505. 1918 -- Oct 03, *Lake City & James McGee* collide, American Shoal Light, FL -- 30
 506. 1918 -- Oct 04, steamer *San Sabo* strikes mine, 15 miles SW of Barnegat, NJ¹⁶¹⁸ -- 30
 507. 1919 -- Sep 9-10~, cargo steamer *Munisla* lost (hurricane?), Mobile, AL for Havana¹⁶¹⁹--28-30
 508. 1924 -- Sep 22, freighter *Clifton* sinks, Lake Huron storm, ~30m nor. of Oscoda, MI--27-30
 509. 1937 -- Jan 30, WPA worker barge sinks, Birds Point/New Madrid Spillway, MO --26-30
 510. 1942 -- May 4, US tanker *Munger T. Ball* sunk by U-boat ~80M NW of Dry Tortugas, FL--30

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

511. 1829 -- Mar 10, British brig *William and Ann* lost (grounded) on Clatsop Spit, OR --26-29
 512. 1834 -- cholera, steamboats *Champion* (8), *Chicago* (2), and *Kentuckian* (18) -- 29
 513. 1848 -- Sep 17, steamer *Concordia*, flue/boiler explosion, MS Riv., Plaquemine, LA- 28-29
 514. 1849 -- May 16 (by), steamboat *Winfield Scott*, New Orleans to Louisville, cholera --28-29
 515. 1858 -- Mar 01, steamer *Eliza Battle* fire,¹⁶²⁰ Tombigbee R. Kemps Landing ~Demopolis AL--29
 516. 1862 -- Jan 01, storm, Gloucester schooners *Cynisca*, *Life Boat*, *Ocean Traveller* lost-- 29
 517. 1894 -- Dec 07-8, steamer *Montserrat* lost in gale, Pacific, Cape Flattery, WA, vicinity-- 29
 518. 1896 -- Apr 25, SF seal schooner *Edward E Webster* departs Kodiak, lost, snow squall, AK-- 29
 519. 1914 -- May ~15, steamer *F.J. Luckenbach*, FL to Baltimore, lost off coast of SC? -- 29
 520. 1917 -- Apr 01, U.S. steamer *Aztec* hit by German torpedo, off France -- 29

¹⁶¹⁷ Cross listed in Fog as a Contributing Factor.

¹⁶¹⁸ Cross-listed in Violence-Attack.

¹⁶¹⁹ Included, as well, in the Sep 10-14 Hurricane noted below.

¹⁶²⁰ All of the deaths were attributed to exposure to the freezing elements in the river and onshore by U.S. SIS.

521. 1920 -- Aug 20, freighters collide, *Superior City* explos./sinks, Lake Superior, Whitefish Bay, WI-29
 522. 1942 -- Jan 19, US freighter *Norvana* sunk by U-boat ~50m north of Cape Hatteras NC--29
 523. 1942 -- Apr 14, US freighter *Margaret* sunk by U-boat ~45 off Cape Hatteras, NC -- 29
 524. 1942 -- June 2-3, US freighter *City of Alma* sunk by U-boat ~400m NE of San Juan PR-- 29
 525. 1942 -- Jun 12, US passenger ship *Sixaola* sunk by U-boat ~50m off Bocas del Toro, Panama--29
 526. 1975 -- Nov 10, storm, SS *Edmund Fitzgerald* sinks, Lake Superior, Whitefish Bay, MI-- 29

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

527. 1842 -- Apr 14, steamer *Medora* boiler explosion, Baltimore Harbor, MD -- 28
 528. 1866 -- Apr 26, wharf fire, ferry steamer *Windsor* burns, Detroit River, Detroit, MI -- 28
 529. 1876 -- Dec 30, freighter *Circassian* breaks-up in storm, Mecox, Long Island, NY -- 28
 530. 1879 -- Aug 18-19, hurricane, CT, MA, ME, VA, Chesapeake Bay, at sea¹⁶²¹ -- 28
 531. 1901 -- Aug 28, *City of Trenton* boiler explodes, Delaware River near Torresdale, PA-26-28
 532. 1907 -- Apr 02/3, ship *Arthur Sewall* lost at sea after leaving Philadelphia, PA -- 28
 533. 1914 -- Nov 19, storm, steamer *C.F. Curtis*/two barges sink near Grand Marais, MI --27-28
 534. 1942 -- Jan 18, US merchant stmr. *Frances Salman* sunk by U-boat off Cape Race, Nfld.-all 28
 535. 1942 -- Feb 24, US freighter *Norlavore* founders in storm off Cape Hatteras, NC --all 28
 536. 1961 -- Jan 15, Nor'easter, USAF Radar Tower No. 4 fails ~70m east of Barnegat, NJ-- 28
 537. 1966 -- Nov 29, *Daniel J. Morrell* (Cleveland) breaks/sinks, Lake Huron storm, off MI-- 28
 538. 1969 -- Jan 14, USS *Enterprise* explosions and fire, off Pearl Harbor, Hawaii -- 28
539. 1837 -- Aug 15, steamer *Dubuque* boiler explosion, Miss. River, Muscatine Bar, IA --16-27
 540. 1839 -- Dec 22-23, gale, maritime losses (*Henry*/3-5, *Lloyd*/9, *Pocahontas*/13), esp. MA--24-27
 541. 1849 -- early June, cholera, steamboat *Uncle Toby*, Miss. River, ~Quincy to Rock Isl.-- 27
 542. 1851 -- Jan 07, brig *Martha Sanger*, California to NY, wrecks on reef, Caribbean -- 27
 543. 1861 -- Nov 02-3, storm, ship *Maritana* wrecks, Egg Rocks near Boston Light, MA --24-27
 544. 1874 -- Jun 07, storm, boats capsize, drownings, Lakes Oneida & Onondaga NY -- 27
 545. 1876 -- July 09, steamer *St. Clair* burns, Lake Superior, off 14 Mile Pt. ~Ontonagon, MI--26-27
 546. 1883 -- Nov 16, steamer *Manistee* lost, Lake Superior gale, off W. Keweenaw Pen., MI-- ~27
 547. 1884 -- Dec 12, storm, oyster boats capsize, men drown, Rappahannock River, VA -- 27
 548. 1886 -- Dec 17, whaling bark *Atlantic* grounds near San Francisco, CA -- 27
 549. 1887 -- Early Apr, Amer. ship *St. Stephens* (Seattle-SF CA), lost in gale off Cape Flattery WA--22-27
 550. 1892 -- Oct 06, LA CA whaling bark *Helen Mar* crushed by icebergs, Chukchi Sea, AK--27
 551. 1919 -- Sep 09, steamboat *Corydon* sinks, hurricane, Bahama Channel off SE FL coast-- 27
 552. 1927 -- Jan 11, storm, collier *John Tracy* sinks off Highland Light, Truro, MA --26-27
 553. 1927 -- July 28, passenger vessel *Favorite* sinks in storm, Chicago, IL -- 27
 554. 1942 -- May 4, US tanker *Joseph M. Cudahy* torpedoed by U-boat ~Dry Tortugas Isl., FL--27
 555. 1942 -- May 12, US tanker *Virginia* sunk by sub. 1.5m off Southwest Pass, MS Riv., LA-- 27
556. 1780 -- American sailing ship *Watt* wrecks on Long Island, NY -- 26
 557. 1849 -- Nov 09, Bath, ME ship *Hanover*, grounds, gale, mouth Kennebec River, ME--24-26
 558. 1858 -- Feb 20, ship *John Milton* grounds in snowstorm, Montauk, SE Long Island NY--26
 559. 1863 -- Apr 14, *Queen of the West* magazine explos., fire from shelling, Grand Lake LA-26
 560. 1863 -- Apr 27, steamer *Ada Hancock* explosion, San Pedro Bay, Los Angeles, CA -- 26

¹⁶²¹ Subset of Hurricane listing.

561. 1868 -- Sep 08, steamer *Hippocampus* sinks, Lake Michigan storm, off St. Joseph, MI-- 26
 562. 1884 -- Feb 28, gale, Gloucester MA fishing schooners *Magic* and *Phoenix* lost -- 26
 563. 1886 -- Nov 14~, Kodiak schmr. *Flying Scud* lost, Cape Douglas to Kodiak, Gulf of AK --24-26
 564. 1892 -- Aug 30, freighter *Western Reserve* sinks, storm off Sable Banks ~Deer Park, MI-26
 565. 1893 -- Mar 21, SF CS seal schooner *Helen Blum* last seen, Shumagin Isles. vic., AK-- 26
 566. 1894 -- Jan 12-13~, Gloucester fishing schooners *Edwards*, *Flash*, *Henrietta* lost, gale-- 26
 567. 1895 -- Jan 21, steamer *Chicora* founders, Lake Mich. storm, ~off South Haven, MI--24-26
 568. 1905 -- Sep 2-3, *Iosco & Olive-Jeanette* sink, Lake Sup. storm, E of Keweenaw Pen., MI--26
 569. 1909 -- May 18, overloaded launch sinks, drownings, OH River, ~Schoenville, PA --20-26
 570. 1919 -- Nov 19-Dec, Providence, RI schooner *T.W. Allan* founders, Bay of Fundy -- 26
 571. 1926 -- Apr 11, tanker *Gulf of Venezuela* explosion, Port Arthur, TX -- 26
 572. 1939 -- May 23, submarine *Squalus* sinks in test dive 16 miles off Portsmouth, NH -- 26
 573. 1942 -- Feb 04, US tanker *India Arrow* sunk by U-boat, ~20m SE of Cape May, NJ -- 26
 574. 1942 -- Mar 07, passenger freighter *Barbara* sunk by sub ~9M NNE of Tortuga Isl., Dom. Rep.--26
 575. 1942 -- Mar 29, passenger ship *City of New York* sunk, U-boat, ~40m off Cape Hatteras NC-24-26
 576. 1942 -- Aug 17, submarine USS *Bass* fire, asphyxiations, Pacific Ocean off Panama-26 of 80
 577. 1944 -- Sep 14, hurricane, USCG Cutter *Bedloe* sinks off Hatteras, NC¹⁶²² -- 26
 578. 1969 -- Dec 26, USN charter SS *Badger State* explos./raft hit by falling bomb, N. Pacific-- 26
 579. 1975 -- Jan 31, tanker *Corinthos* explosions/fire; hit by *Queeny*, Del. Riv. Marcus Hook, PA--26

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

580. 1798 -- Nov 17-21, New England blizzard and maritime storm¹⁶²³ -- >25
 581. 1803 -- March, massacre, crew of American ship *Boston*, Nootka, Vancouver Isl.¹⁶²⁴-- 25
 582. 1840 -- Nov 07, steamboat *Persian* boiler flue collapse, MS Riv., near Napoleon, AR-- ≥25
 583. 1842 -- May 06, sail boat *Polka* tips/sinks, off Thompson's Island, Mass. Bay, MA -- 25
 584. 1843 -- Mar 15~, USS *Grampus* lost, presumably gale off Charleston, SC -- 25
 585. 1845 -- Oct 27, *Plymouth* sinks in collision (*Lady Madison*), OH Riv., Shawneetown IL- 25
 586. 1847 -- Jan 28, steamer *Tuscaloosa* boiler explosion/fire, Mobile riv., 10M no. of Mobile AL~25
 587. 1847 -- June 04 or 05, steamer *Edna* boiler explosion, Ouachita Riv. Columbia, LA --20-25
 588. 1849 -- June 09, steamboat *Embassy* flue collapse, Ohio River, Three Mile Bar, KY --14-25
 589. 1851 -- before June 22, steamer *Grand Turk*, cholera, Mississippi River¹⁶²⁵ -- ~25
 590. 1851 -- before June 22, steamer *Pride of the West*, cholera, Mississippi River¹⁶²⁶ -- ~25
 591. 1854 -- Apr 08, steamer *Gazelle* boiler explosion, Oregon City, OR -- 25
 592. 1863 -- Nov 13, steamer Sunnyside burns, MS river ~Isl. #16, below Caruthersville, MO-22-25
 593. 1864 -- Dec 11, steamboat *Maria* boiler explosion, fire, Miss. River, Carondelet, MO-- ~25
 594. 1866 -- Mar 04, steamer *R.J. Lockwood* boiler explosion, MS Riv., below Memphis TN --17-25
 595. 1873 -- Sep 15, steamer *Ironsides* sinks, Lake Michigan storm, ~Grand Haven, MI --20-25
 596. 1875 -- Sep 10, propeller *Equinox* sinks, Lake Michigan storm ~Big Sable Point, MI --21-25
 597. 1875 -- Nov 18, OR schooner *Sunshine* found bottom-up, Cape Disappointment, WA-- 25

¹⁶²² These fatalities are part of the 390-412 attributed to the "Great Atlantic Hurricane of 1944."

¹⁶²³ There was a larger loss of life, but we do not know the number. David Ludlum writes in *Early American winters 1604-1820* (p. 75) that "hundreds" died in this storm and that the bodies of at least 25 sailors were pulled from wrecked ships on Cape Cod alone. Also notes that at least seven ships were lost near Cape Cod with all aboard.

¹⁶²⁴ Cross-listed in Violence – Massacres of Whites by Natives.

¹⁶²⁵ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

¹⁶²⁶ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

598. 1877 -- Jan 20, U.S. schooner *George Washington* strands, Mistaken Point, NFLD -- 25
 599. 1885 -- Aug 24-26, hurricane, FL/1, GA/2, NC, SC/21, New England, Atlantic/1 -- 25
 -- 3 steamer/pilot boat *F. W. Schafer No. 4* (or possibly Sheper), SC
 -- 3 schooner *Gustie Wilson*, SC
 -- 6 schooner *John Stoddard*, SC
 -- 1 Italian bark *Marianina*, Atlantic, about 50 miles off Charleston, SC
 -- 5 schooner *Walter Smith*, SC
 -- 1 steamer *William Lawrence*, GA
 -- 1 unidentified small craft, Savannah, GA
 600. 1887 -- Oct 18, ship *Alfred Watts*, Philadelphia to Japan, lost at sea -- 25
 601. 1888 -- Oct 03, storm, whaling bark *Ohio* driven ashore ~Point Hope, Chukchi Sea, AK--25
 602. 1888 -- Dec 24, steamer *John H. Hanna* burns, Mississippi River, Plaquemine, LA --21-25
 603. 1890 -- Nov 05, 8, schrs. *Lillie Amoit & John D. Miner* collide, Menominee Hbr., MI-- 25
 604. 1894 -- May 11, SF, Cal. whaling bark *James Allen* hits rock/sinks, Amlia Island, AK-- 25
 605. 1901 -- Sep 16, steamer *Hudson* sinks, Lake Superior gale ~8m off Eagle River, MI --24-25
 606. 1916 -- July 17, steamer *C.W. Morse* leaves NY, NY, lost/not heard from again -- 25
 607. 1918 -- Oct 04/05, collier USS *Herman Frasch* collision (*Henry*) ~Cape Sable, NS --17-25
 608. 1929 -- Sep 09, steamer *Andaste* sinks, Lake Michigan storm, 14m west of Holland, MI--25
 609. 1942 -- Mar 13, US freighter *Colabee* U-boat torpedoed ~10M off Cape Guajaba, Cuba--25
 610. 1944 -- Apr 16, US tanker *Pan Pennsylvania* torpedoed by U-boat ~200M east of NYC--25
 611. 1942 -- July 9, anchored US tanker *Benjamin Brewster* torpedoed ~2.5M off Grand Isle, LA--25
 612. 1942 -- July 30, passenger ship *Robert E. Lee* sunk by sub ~50m SE MS. Riv. entrance, LA-- 25
 613. 1969 -- Apr 06, *Union Faith* and *Warren J. Doucet* collide, Miss. Ri. New Orleans LA-- 25

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

614. 1837 -- Apr, three fishing boats lost out of Gloucester MA, Georges Bank gale -- 24
 615. 1849 -- May 18, collision, *Empire* and *Noah Brawn*, Newburgh Bay, NY -- 24
 616. 1860 -- Nov 24, freighter *Dacotah*, grounds/breaks, Lake Erie Storm, ~Angola, NY -- 24
 617. 1865 -- Oct 24~, steamer *D. H. Mount* lost, gale, Atlantic, south of Cape Hatteras, NC-- 24
 618. 1866 -- Aug 6, steamer *General Lytle* boiler explos. ~Bethlehem IN, OH Riv., KY side--20-24
 619. 1867 -- Dec 24, steamer *Raleigh* burns to water, off Charleston, SC --14-24
 620. 1882 -- Mar 17?, gale, Gloucester MA schooners *Northerner* and *Victor* lost, GB -- 24
 621. 1882 -- Aug 07, steamboat *Gold Dust* boiler explosion/fire, MS Riv. ~Hickman, KY-- ≥24
 622. 1883 -- Aug 29, gale, Gloucester MA schooners *Alaska* & *James Bliss* lost, GB --23-24
 623. 1886 -- Dec 28, steamer/boarding house *Bradish Johnson* fire, Jackson, AL¹⁶²⁷ -- ~24
 624. 1891 -- Feb 26, gale, craft lost, lower James Riv. ~Warwick Ri. mouth, Newport News, VA- 20-24
 625. 1893 -- Nov 07, *Albany* & *Philadelphia* collide, fog, Lake Huron ~Pointe aux Barques, MI-- 24
 626. 1907 -- Feb 22, steamer *Marion* burns, Wadmalaw Sound, Hart's Landing, SC --12-24
 627. 1908 -- Dec 01, steamer *D.M. Clemson* sinks, Lake Superior storm ~Whitefish Pt., MI-- 24
 628. 1910 -- Jan 12, steamer *Czarina*, hit by large wave, grounds on Coos Bay Bar, OR --22-24
 629. 1919 -- Oct 28, sidewheel *Muskegon* hits pier/sinks, Lake Michigan, Muskegon, MI --23-24
 630. 1942 -- Mar 23, US tanker *Naeco* torpedoed btw. Cape Lookout & Wilmington, NC -- 24
 631. 1942 -- Apr 2, US freighter *David H Atwater* shelled/sunk, U-boat off Chincoteague Isl. VA--23-24

¹⁶²⁷ Cross-listed in Fires.

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

632. 1814 -- June 30, tornado sinks schooner USS *Alligator*, Port Royal Sound, SC -- 23
633. 1841 -- Aug 12, steamer Louisiana boiler explosion, Miss. River, ~Bayou Sara, LA --20-23
634. 1851 -- Sep 21, steamboat *James Jackson* boilers explode, OH Riv., Shawneetown IL-15-23
635. 1851 -- Dec 04 or 09, steamboat *Clermont* snags, sinks, White River ~Augusta, AR --20-23
636. 1855 -- Mar 23, steamboat *Bulletin No. 2* burns, Miss. River, Alsatia-Salem Bend, LA-- 23
637. 1854 -- Oct 08, sidewheeler *E.K. Collins* burns, Lake Erie, near mouth of Detroit Riv., MI-- 23
638. 1858 -- Apr 02, steamer *Sultan* fire, Mississippi River, near St. Genevieve, MO -- 23
639. 1858 -- Apr 22, steamer *Ocean Spray* fire (racing), Miss. River, near St. Louis, MO -- 23
640. 1859 -- Oct 18, propeller *Troy* founders, Lake Huron storm, ~Point aux Barques, MI-- 23
641. 1862 -- Nov 02-3, steamer *Bay State* founders, Lake Ontario gale ~Fair Haven, NY --20-23
642. 1863 -- Nov 11~, steam propeller *Water Witch* sinks, Lake Huron storm ~off Oscoda MI-23
643. 1867 -- May 21, steamer *Wisconsin* burns, Lake Ontario, ~Grenadier Isl./Cape Vincent, NY-23
644. 1868 -- June 15~, British bark *Istria* wrecks, Diamond Shoals off Cape Hatteras NC-- 23
645. 1869 -- Jan 11, steamer *Gulf City* grounds and breaks-up, Cape Lookout, NC --22-23
646. 1869 -- Sep 08, hurricane, schr. *Helen Eliza* grounds (Peak's Isl., ME), *Yankee Girl* lost- 23
647. 1877 -- Apr 13, steamer *Leo* burns 83 miles south of Tybee Light, GA -- 23
648. 1888 -- Feb 05, British ship *Abercorn* grounds in fog, west, off Aberdeen, WA --22-23
649. 1889 -- Mar 02, SF CA sealing schooner *Otter* leaves San Francisco for AK, lost -- 23
650. 1894 --~Sep 30, American ship *Ivanhoe* from Seattle lost in storm off Columbia Riv.?, WA-- 23
651. 1898 -- Nov 17, clipper *Atalanta* grounds on reef near Seal Rocks north of Alsea, OR-- 23
652. 1914 -- Nov 23, steamer *Hanalei* grounds, Duxbury Reef, near San Francisco, CA -- 23
653. 1923 -- Sep 08, seven US Navy destroyers ground in fog, off Honda Point, CA -- 23
 --20 USS *Young*
 -- 3 Flagship USS *Delphy*
654. 1925 -- May 08, US steamer *M.E. Norman* capsizes/sinks, MS Riv., Coahoma, MS -- 23
655. 1927 -- Aug 24~, Gloucester, MA schooner *Columbia* lost, gale, off Sable Island, NS-- 23
656. 1942 -- Mar 12, tanker *John D. Gill* torpedoed by U-boat, off Cape Fear, NC --19-23
657. 1943 -- Jan 9, US tanker *Broad Arrow* sunk by U-boat, ~100M north of Paramaribo -- 23
658. 1950 -- Aug 25, hospital ship *Benevolence* hit/sunk/fog, *M. Luckenbach* ~SF CA¹⁶²⁸--18-23
659. 1954 -- Dec ~5, storm, bulk carrier M/V *Southern Districts* founders off FL/SC/NC --all 23
660. 1980 -- Jan 28, collision, tanker *Capricorn* & USCGC *Blackthorn* (sinks), Tampa Bay, FL--23
661. 1850 -- Mar 23, steamer *Troy* boiler explosion, ~Lake Erie, Niagara Riv. ~Buffalo NY- 18-22
662. 1863 -- Sep 28, steamboat *Robert Campbell Jr.* burns, MS River, Milliken's Bend, LA-- 22
663. 1867 -- Feb 10, steamer *City of Bath* fire, off Cape Hatteras, NC -- 22
664. 1872 -- Mar, Gloucester, MA schooners *Matchless*, *Franklin Snow* lost, Georges Bk.-- 22
665. 1878 -- Oct 12, whaling bark *Sarah* capsizes in gale, out of Bedford, MA -- 22
666. 1885 -- May 05, New Bedford, MA whaling bark *Napoleon* sunk by ice, Bering Sea-- 22
667. 1887 -- June 17, steamer *Champlain* burns, grounds, Lake Mich., off Charlevoix, MI-- 22
668. 1890 -- Aug 06, Boston schr. *Magellan* sunk by the *St. Mary* near Falkland Islands --20-22
669. 1901 -- Aug 19, steamer *City of Golconda* "turtles," Windstorm, OH Riv. ~Paducah, KY--15-22
670. 1907 -- Oct 11, freighter *Cyprus* sinks, Lake Superior storm, 19m off Deer Park, MI--21-22
671. 1909 -- July 18, sloop *Roxana* capsizes, and other drownings, N. Y. Bay --19-22

¹⁶²⁸ Cross-listed in Fog as a Contributing Condition.

672. 1911 -- Jun 24, *City of St. Joseph*, Flue Collapse, Miss. River, Presidents Island, TN--20-22
 673. 1913 -- May 02, steamer *Concordia* hits RR Bridge, Tensas River, Clayton, LA -- 22
 674. 1919 -- Nov 12-13, freighter *John Owen* sinks, Lake Superior storm, SE of Caribou Isl., MI--22
 675. 1920 -- Jan 26, steamer *Mielero* sinks in storm off Coast of FL -- 22
 676. 1942 -- Jan 18, tanker *Allan Jackson* sunk by U-boat ~60m east-ne, Diamond Shoals, NC-- 22
 677. 1942 -- May 26, American tanker Carrabelle sunk by U-boat, Gulf of Mexico -- 22
 678. 1944 -- Sep 14, hurricane, USCG Cutter *Jackson* sinks off Hatteras, NC¹⁶²⁹ --21-22
 679. 1964 -- June 30, drilling barge *C.P. Baker* blowout/explosion/fire, Gulf of Mex. off LA--22

MARITIME Events – Master Set – By MORTALITY (continued):

680. 1635 -- Aug 14/15, storm, Pinnacle *Watch and Wait* wrecks, Thacher Island, MA -- 21
 681. 1851 -- Mar 02, steamer *Oregon* boiler explosion/fire, Miss. Riv., Island No. 82, AR --20-21
 682. 1857 -- Oct 19, paddlewheel *Reindeer* (Can.) grounds, Lake MI gale, Big Sable Pt., MI--21
 683. 1871 -- Feb, Gloucester, MA fishing schooners *Hiawatha & E.L. Cook* lost at sea -- 21
 684. 1871 -- Aug 18, steamer *Lodona* grounds in storm, 7M north of Cape Canaveral, FL-- 21
 685. 1873 -- Feb 15, steamer *Henry A. Jones* burns, Galveston, TX -- 21
 686. 1886 -- Dec 14, gale, American ship *Harvey Mills* sinks ~50m SW of Cape Flattery WA--17-21
 687. 1887 -- Mar 01, steamer *W.H. Gardner* burns, Tombigbee riv., ~3m below Gainesville, AL-20-21
 688. 1888 -- Sep 06, storm, steamer *E.B. Ward Jr.* sinks, Uvilla to New Orleans, Gulf of Mex.-21
 689. 1889 -- Mar 02, SF whaling schooner *James A Hamilton* departs San Francisco for AK-- 21
 690. 1892 -- Oct 28, steamer *W.H. Gilcher* sinks, Lake Michigan storm, ~Manitou Isl. MI-17-21
 691. 1899 -- Dec 24, British freighter *Ariosto* strands, lifeboat drownings, Ocracoke, NC -- 21
 692. 1906 -- Oct 18, sidewheel steamer *St. Lucie* founders, hurricane, Elliot Key, FL¹⁶³⁰ -- 21
 693. 1907 -- Nov 24, last contact with ship *Bangalore*, Norfolk VA to Honolulu , HI -- 21
 694. 1915 -- Mar 25, submarine *Skate* (F-4) sinks, near Honolulu Harbor, HI -- 21
 695. 1929 -- Jan 13~, fishing trawler *Seiner* lost, Georges Bank, out of New London CT -- 21
 696. 1932 -- Feb 05, Boston schr. *Eleanor Nickerson* hit/sinks off SE of Cape Sable, N.S.-- 21
 697. 1942 -- Mar 11, freighter *Caribsea* (NYC homeport) sunk by U-boat off Cape Lookout NC-- 21
 698. 1942 -- May 16, US tanker *Gulfoil* sunk by U-boat ~75M SW of MS Riv. Delta, Gulf-- 21
 699. 1956 -- Jan 17, SS *Salem Maritime* explosion/fire, loading kerosene at Rose Bluff terminal, LA--21
 700. 1968 -- Mar 16, SS *African Star* & barge *Intercity No. 11* collide, Miss. River, LA -- 21
701. 1716 -- five Gloucester MA fishing vessels lost on trip to Cape Sable, Nova Scotia -- ~20
 702. 1799 -- Nov-Feb 1880, yellow fever, ship USS *Delaware*, Curacao, Caribbean -- 20
 703. 1799 -- June-July, frigate USS *General Greene*, yellow fever, Cuba to Portsmouth NH-- >20
 704. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY-- ~20
 705. 1813 -- Sep 16, hurricane/gale, US Navy *Gun Boat No. 164* sinks, St. Marys, GA -- 20
 706. 1821 -- Sep 17, schooner *Washington* strands, hurricane, Bay St. Louis, MS¹⁶³¹ -- ~20
 707. 1832 -- June 02, steamer *Hornet* capsizes in storm, Ohio River, Maysville, KY -- 20
 708. 1833 -- Oct 16, steamer *New England*, boiler explosion, Conn. River, Essex, CT --13-20
 709. 1837 -- Mar 17, steamboat *Tiskilwa* hit by the *Wisconsin*, near mouth Ill. River, IL --10-20
 710. 1838 -- Sep 07, sloops *Alabama*, *Dread*, *Caution* wreck near Cape FL, FL, storm¹⁶³²-- >20

¹⁶²⁹ These fatalities are part of the 409 attributed to the “Great Atlantic Hurricane.”

¹⁶³⁰ 164 deaths are attributed in total to the Oct 18-21, 1906 Florida Keys Hurricane.

¹⁶³¹ Cross-listed in Hurricanes (subset of 35 total fatalities).

Maritime Events – Master Set – By Mortality (continued):

711. 1846 -- Sep 05, steamer *New York* founders, storm, Gulf MX ~60m off Cameron, LA-- 20
 712. 1846 -- Nov 19, sidewheel *Indian Queen* grounds/breaks, Lake Erie storm, ~Dunkirk NY-20
 713. 1847 -- June 29, *Star Spangled Banner* snags/sinks, MS Riv. Thomas's Pt., ~Baton Rouge, LA--20
 714. 1850 -- Jan 23, *St. Joseph* boiler explodes, MS Ri., Islands No 80/81, ~Napoleon AR-- 8-20
 715. 1850 -- Dec 17, steamboat *Knoxville* boiler explosion, New Orleans, LA --12-20
 716. 1851 -- Feb 20, sidewheel ferry *St. Louis* boiler explosion, St. Louis, MO -- 20
 717. 1851 -- Nov 29, steamers *Molly Grath & Pontiac No. 2* collide, OH Riv. ~Owensboro, KY--20
 718. 1852 -- Jan 14, *George Washington* boiler explosion/fire, MS Riv., Grand Gulf, MS --16-20
 719. 1852 -- Apr 25, steamboat *Prairie State No. 2*, boiler explosion, Pekin, IL -- 20
 720. 1852 -- Apr 26, steamers collide, *Chickasaw* sinks,¹⁶³³ Ohio River, French Islands, KY-- 20
 721. 1852 -- July 12, *City of Oswego* sinks, collision *America*, L. Erie ~Willoughby, OH --15-20
 722. 1852 -- Aug 22, overcrowded ferryboat capsizes, Hudson River, Albany, NY --10-20
 723. 1854 -- Aug 26, steamboat *Timour* boilers explode, MO Riv. 3m~Jefferson City, MO --15-20
 724. 1856 -- Aug 10-11~, schooner *Ellen* founders in hurricane, found on Last Island, LA-- ~20
 725. 1858 -- Jan 28, *Fanny Fern* boiler explosion/fire, OH Riv., near Garrison Creek, KY- 17-20
 726. 1858 -- Feb 17, steamer *Magnolia* boiler explosion, Cape Fear Riv., White Hall NC --11-20
 727. 1860 -- Nov 03, steam towboat *Baltic* boiler explosion, Mobile Bay ~Mobile, AL -- <20
 728. 1862 -- Dec 31, Iron Clad USS *Monitor* sinks, storm off Cape Hatteras, NC --16-20
 729. 1864 -- Feb 22, steamship *Bohemian* wrecks, Alden's Rock, off Richmond Isl., ME --19-20
 730. 1865 -- Dec 01, steamer *Progress* snags/sinks, Arkansas Riv., 20m below Fort Smith AR-20
 731. 1867 -- Dec 31, steamer *Henry Ames* guards fail while unloading, New Orleans, LA -- ~20
 732. 1873 -- Dec 04, freighter *City of Detroit* sinks, Lake Huron storm, Saginaw Bay, MI--19-20
 733. 1876 -- May 17, steamer *Pat Cleburne* boiler explodes/fire, OH Riv., ~Weston KY, IL shore~20
 734. 1878 -- Dec 01, *Cotton Valley & Charles Morgan* collide, MS R., ~Bringier Pt., LA --12-20
 735. 1880 -- May 04, squall, fishing boats capsize, Columbia River mouth, OR and WA --15-20
 736. 1883 -- Mar 04, steamer *Yazoo Valley* hits log/sinks, MS Riv., ~Bonnet Carre' Crevasse, LA--20
 737. 1883 -- Nov 12, gale, Chesapeake Bay, Sloop *Anne Gertrude*, other vessels lost -- 9-20
 738. 1883 -- Dec 12-13, schooner *Mary Ann Hulbert* sinks, Lake Superior storm ~St Ignace Isl. Ont.- 20
 739. 1887 -- Nov 03, schooner *Ocean Bird* capsizes in storm, Pasquotank River, NC -- 9-20
 740. 1891 -- Feb 21, ship *Elizabeth*, NYC to SF, grounds, Tenn. Cove, Marin County CA--17-20
 741. 1899 -- Jan 14/15, sailing ship *Andelana* sinks while moored at Tacoma, WA --17-20
 742. 1905 -- Jan 03, towboat *Defender* boiler explosion, Ohio River, ~Huntington, WV -- 9-20
 743. 1905 -- Aug 28, steam freighter *Peconic* founders in gale, Atlantic, off Fernandina, FL-- 20
 744. 1908 -- Aug 27, last report from ship *Fort George*, NY, NY to Honolulu, HI -- 20
 745. 1914 -- Apr 28, steamer *Benjamin Noble* sinks, Lake Superior gale, ~Knife Isl. MN --16-20
 746. 1916 -- May 08, freighter *Kirby* sinks, Lake Superior storm 8m no. of Eagle Harbor MI--20
 747. 1916 -- Aug 16, storm, *Admiral Clark* founders off San Antonio, TX -- 20
 748. 1918 -- Sep 17, storm, Cal. Steamer *San Gabriel* Founders off Cape Lucas, Mexico -- 20
 749. 1920 -- Nov 26, gale, schooner-barge *W. J. Pirrie* driven onto rocks ~Cake Rock WA--18-20
 750. 1927 -- Oct 29, fog, *President Wilson* hits Gloucester fisher *Avalon*, Cape Cod MA¹⁶³⁴-- 20
 751. 1941 -- Jan 21, *Mary E. O'Hara* & barge collide, entrance to Boston Harbor, MA --18-20

¹⁶³² Subset of Sep 7, 1838 Hurricane near Cape Florida, FL taking 38 lives in total.

¹⁶³³ Collision was with the *W. B. Clifton*.

¹⁶³⁴ Cross-listed in Fog as Contributing Factor.

752. 1941 -- Mar 24, steamer *Cities Service Denver* Explosion/Fire, off NC/SC coast --19-20
 753. 1942 -- Feb 19, US tanker *Pan Massachusetts* sunk by U-boat ~20m off Cape Canaveral FL--20
 754. 1942 -- Mar 14, US merchant vessel Lemuel Burrows torpedoed, off Atlantic City, NJ-- 20
 755. 1942 -- Dec 31, freighter *Maiden Creek* sinks in storm, ~47M off SE. Long Isl., NY -- 20
 756. 1943 -- Nov 21, tanker *Altair/20* hit by tanker *Bostonian*, fog, 58m off Cape Henlopen DE-20
 757. 1945 -- Feb 05, tanker *Spring Hill* hit/explosion/fire, off Stapleton, Staten Island NY-19-20
 758. 1950 -- May 07, squalls; boatmen in rivers/lakes/along coast of NY/17 and New Eng.-- 20
 759. 1953 -- Sep 02, drownings, Army pontoon raft capsizes, Smith Lake, Fort Bragg, NC-- 20
 760. 1962 -- Oct 20, tanker *Boheme* & barge *Parker* collide/fire,, Miss. River ~Lutcher, LA-- 20
 761. 2005 -- Oct 02, *Ethan Allen* tour boat capsizes, Lake George, near Cramer Point, NY-- 20

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

762. 1822 -- July-Aug, yellow fever, U.S. Brig *Enterprise*; Caribbean to NYC & at NYC -- 19
 763. 1841 -- Feb 13, sidewheel *Lamplighter* shaft breaks, sinks in storm, off Dog Island, FL-- 19
 764. 1851 -- Oct 24, steamer *Henry Clay* sinks, Lake Erie storm, off Long Point, Ontario --16-19
 765. 1852 -- Nov 11-12, Cleveland steamer *Oneida* sinks, Lake Erie storm, E off Barcelona, NY-17-19
 766. 1881 -- Dec 26, steamer *West Point* gas explosion and fire, York River, VA -- 19
 767. 1883 -- Jan 02, Cowe Tunnel convict boat capsizes, Tuckasegee River, Western NC -- 19
 768. 1887 -- Sep 03, gale, Provincetown, MA fishing sch. *Rebecca R. Nickerson* lost, GB-- 19
 769. 1890 -- Nov 27, steamer *T. P. Leathers* burns, Miss. River, Point Breeze, MS --17-19
 770. 1891 -- Mar 24, steamer *Strathairly* wrecks, Chicamacomico, NC -- 19
 771. 1891 -- Oct 29, stmr. *Oliver Beirne* fire, MS Ri., Milliken's Bend, ~Vicksburg, MS --15-19
 772. 1892 -- Feb 02, SF, CA whaling bark *Tamerlane* strands on rocks, Puna Island, HI --18-19
 773. 1897 -- Nov 05, NY freighter *Idaho* sinks, Lake Erie storm, off Long Point, Ontario -- 19
 774. 1897 -- Nov 25, Provincetown, MA sch. *Susan R. Stone* sails for West. Bank, lost -- 19
 775. 1902 -- Mar 12, steamer *Providence* grounds during storm, Davis Bend, LA -- 19
 776. 1903 -- Mar 07, ferryboat capsizes, Hudson River, Spier falls near Glens falls, NY --17-19
 777. 1903 -- Aug, hurricane, steamer *George W. Kelley* lost, Caribbean, for New Orleans-- 19
 778. 1903 -- Oct 19, steamer *South Portland* grounds, Cape Blanco, OR -- 19
 779. 1905 -- Nov 28, freighter *Ira H. Owen* sinks, Lake Superior storm, ~Outer Island, WI-- 19
 780. 1908 -- Dec 02, U.S. steamer *Soo City* lost in storm, Gulf of St. Lawrence -- 19
 781. 1910 -- May 23, fog, *Frank H. Goodyear* hit by *Wood*, sinks, Lake Huron ~Pt. Aux Barques MI-17-19
 782. 1915 -- Aug 16-17, U.S. dredger *San Bernardo* grounds in hurricane ~Galveston¹⁶³⁵ -- 19
 783. 1917 -- Mar 06, ship *Timandra* lost at sea after leaving Norfolk, VA -- 19
 784. 1917 -- Mar 21, steamer *Healdton* torpedoed, German submarine, North Sea¹⁶³⁶ -- 19
 785. 1917 -- Sep 05, whaling brig *Viola* sails, not seen again, out of New Bedford, MA -- 19
 786. 1917 -- Dec 17, USN Sub *F-1* collides with *F-3*, sinks off coast of San Diego, CA -- 19
 787. 1918 -- Dec 19, tanker *George Loomis* leaves SF CA for OR, sinks/storm, so. OR coast--18-19
 788. 1920 -- Oct 29, ship collision, schooner *Cape Fear*, Narragansett Bay, RI -- 19
 789. 1930 -- Sep 16/17, SF CA schooner *South Coast* Sinks, OR coast, near Cape Blanco--18-19
 790. 1936 -- Oct 17, Can. *Sand Merchant* sinks, Lake Erie storm, US water off Avon Pt., OH-- 19
 791. 1942 -- Apr 08, US tanker *Oklahoma* sunk by U-boat ~10m off St. Simon's Island, GA--19
 792. 1942 -- Apr 10, US tanker *Gulfamerica* torpedoed by U-boat ~5M off Jacksonville, FL--19

¹⁶³⁵ Cross-listed in Hurricane as a maritime subset.

¹⁶³⁶ U.S. was not at war at the time. Congress declared war on April 6, 1917.

793. 1942 -- Apr 23, US freighter *Lammot Du Pont* sunk by U-boat ~500M no. of Bermuda-- 19
 794. 1942 -- May 19, US freighter *Ogontz* sunk by U-boat ~70M SE of Cozumel Isl., Gulf of MX--19
 795. 1942 -- Jun 28, US freighter *Raphael Semmes* sunk by sub so. of Bermuda, ~875m E of Cape Canaveral- 19
 796. 1944 -- May 14-21, heavy seas, sleeping Marines in LCT pitched overboard off *LST-485*, HI-- 19
 797. 1947 -- Sep 09, fuel tanks explode, fire, steamboat *Island Queen*, Pittsburgh, PA -- 19
 798. 1964 -- Nov 26, tanker *Stolt Dagali* cut in half (19 lost) by liner *Shalom* off Point Pleasant, NJ--19

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

799. 1786 -- Dec 05, gale, sloop grounds, Lovell's Isl., Brig at Pt. Shirley, Boston Harbor, MA-- 18
 800. 1834 -- Aug, early, cholera, steamboat *Kentucky*, -- 18
 801. 1835 -- Dec 02, *Lady Franklin* sinks, hit by *Portsmouth*, OH Riv. ~Owensboro, KY --15-18
 802. 1843 -- Sep 25, gale, steamer *Sarah Barnes* sinks in Gulf, west of Sabine Pass, TX --17-18
 803. 1847 -- Jan 21, stmr. *Phoenix* boiler explos.; *Phoenix/Manchester* deaths; Head of Passes, LA-- 18
 804. 1847 -- May 06, steamboat *New Hampshire* boiler explos., Ark Riv., Pine Bluff, AR--12-18
 805. 1847 -- June 13~, schooner *Merchant* lost, Lake Superior storm, ~Keweenaw Peninsula MI--14-18
 806. 1848 -- Sep 16, freighter *Goliah* fire/explosion, Lake Huron, east of Point aux Barques, MI- 18
 807. 1850 -- Sep 12-17, cholera, Steamer *Falcon*, Chagres, Panama to Havana, Cuba¹⁶³⁷ --17-18
 808. 1854 -- Aug 02, steamboat *Cape May* snags/careens/sinks, Ohio Riv., Mt. Vernon IN--7-18
 809. 1857 -- Nov 15, steamboats collide, *Opelousas* sinks, Gulf of MX, LA coast ~Berwick Bay LA-18
 810. 1867 -- Oct, U.S. ship *Potomac*, cholera, Philadelphia Navy Yard, PA -- 18
 811. 1869 -- Aug 14, steamer *Cumberland* boiler explosion, OH River, ~Shawneetown, IL-- 18
 812. 1874 -- Oct 22, steamer *Brooklyn* boiler explodes/sinks, Detroit Riv. ~Wyandotte MI--13-18
 813. 1876 -- Mar 01, *Nuova Ottavia* grounds, Life-Saving crew lost, Kittyhawk, NC -- 18
 814. 1881 -- Jan 03, bark *Lupata*, stormy night, grounds / breaks on Tillamook reef, OR --16-18
 815. 1888 -- Nov 25, storm, Philly steam collier *Allentown* grounds off Cohasset, MA --all 18
 816. 1898 -- Jun 28, storm, steamer *Jessie V.* swamped, Kuskokwim River mouth, AK -- 18
 817. 1903 -- Jan 2, bark *Prince Arthur* grounds/breaks on rocks 12m so. of Ozette Riv., WA-- 18
 818. 1903 -- Feb 17, steamer *Olive* sunk, tornado, Chowan Riv., Woodley's Pier, NC¹⁶³⁸ --14-18
 819. 1907 -- Apr 10, bark *Adolph Obrig* lost after sailing from NYC, NY -- 18
 820. 1908 -- Jan ~23, steamer *Bluefields* founders, storm off Cape Hatteras, NC -- 18
 821. 1908 -- May 26, Boston schmr. *Fame*/UK steamer *Boston* collide, fog, Cashes Bank¹⁶³⁹-- 18
 822. 1913 -- Apr 6, grounded barque *Mimi* capsizes during salvage, Nehalem Spit, OR -- 18
 823. 1917 -- Jun 30, *Christopher Columbus* collision/water-tank falls, Milwaukee Riv. WI-15-18
 824. 1918 -- Aug 27, USS *SC-209* sub chaser sunk by USCG, S. of Long Island, NY --17-18
 825. 1918 -- Oct 16, steamer *Dumaru* hit by lightning, burns, Pacific, ~20 miles off Guam-- 18
 826. 1919 -- Dec 17, schooner *Sunbeam* wrecks off Currituck, NC -- 18
 827. 1924 -- Mar 11/12, Maine schooner *Wyoming* sinks in blizzard off Chatham, MA --13-18
 828. 1926 -- Nov 19, oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD¹⁶⁴⁰-18
 829. 1928 -- May 07, US Army dredge *Navesink* hits *Swinburne*, sinks, ~Stapleton, NY --17-18
 830. 1930 -- Nov 8, lumber steamer *Brooklyn* swamped by breakers, Humboldt Bar, Eureka, CA--18
 831. 1932 -- Feb 04, oil tanker *Bidwell* explosion, Marcus Hook, PA -- 18

¹⁶³⁷ Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.

¹⁶³⁸ Cross-listed in Tornadoes.

¹⁶³⁹ Cross listed in Fog as Contributing Factor.

¹⁶⁴⁰ Cross-listed in Explosions.

832. 1937 -- Aug 30-Sep 1, tropical cyclone, freighter SS *Tarpon* sinks off Panama City, FL--18
 833. 1942 -- Mar 10, US tanker *Gulfrade* sunk by U-boat 3m off Barnegat Light, NJ -- 18
 834. 1942 -- May 16, US tanker *William C. McTarnahan* torpedoed SW of Port Fourchon, LA-18
 835. 1942 -- June 15-16, US freighter *Kahuku* sunk by U-boat, 70M west of Grenada --17-18
 836. 1942 -- Dec 03, tanker-barge *Cleveco* sinks, Lake Erie Blizzard 6m No. Euclid, OH -- 18
 837. 1958 -- Aug 07, fog, tankers *Gulfoil* (18) & *S.E. Graham* collide/burn off Bull Point, RI--18
 838. 1962 -- Aug 18, overloaded Sunday School boat capsizes, Lake Talquin ~Quincy, FL-- 18

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

839. 1771 -- early, *Beaver 2nd* lost on Lake Erie near Sandusky, OH -- 17
 840. 1820 -- Mar 20, steamboat *Buffalo* explosion, Owensboro, KY -- 17
 841. 1836 -- June 09, steamboat *Rob Roy* boiler explosion, Miss. River, near Columbia, AR-- 17
 842. 1839 -- Nov 25, brig *Neptune* grounds, Lake Michigan gale, Little Sable Point, MI -- 17
 843. 1840 -- Dec 12, steamboat *Cherokee*, explosion, Arkansas River, Lewisburg, AR -- 17
 844. 1846 -- May 27-28, steamer *Queen City* steam pipe bursts, MS River, Natchez, MS --12-17
 845. 1849 -- Nov (early to 15th arrival at St. Louis), steamboat *Constitution*, cholera¹⁶⁴¹ --12-17
 846. 1850 -- Oct 28-Nov 8, cholera, barque *Splendid*, Sacramento to San Francisco¹⁶⁴² -- 17
 847. 1852 -- Mar, Gloucester MA schrs. *Golden Fleece* & *C.E. Parkhurst* lost, Georges Bank-- 17
 848. 1854 -- Dec 08, stmr. *Westmoreland* sinks/ice-laden, Lake MI storm, Manitou Passage, MI--17
 849. 1859 -- Apr ~01, storm, Gloucester schrs. *Grace T. Powers* & *Charles E. Grover* lost-- 17
 850. 1860 -- May 09, steamer *R.F. Sass* snags/sinks, Miss. River, Clark's Bar, ~Glover, MS-- 17
 851. 1860 -- Nov 24, stmr. *Jersey City* grounds, Lake Erie storm, Long Pt., Ontario, Can.-- 17
 852. 1864 -- July 03, steamer *Locust Point* sinks; collision with *Matanzas* off Absecon, NJ-- 17
 853. 1864 -- Oct 30, Union packet *Universe* snags/sinks, Miss. Riv., between Islands 35-36-- 17
 854. 1864 -- Nov 03, steamboat *James White*, snags/sinks, Mississippi River, Island #10, TN- 17
 855. 1865 -- Mar 15-16, bark *Industry* grounds, breaks-up, Columbia River bar, OR --15-17
 856. 1865 -- Jun 8, fog, steamer *Admiral Dupont* hit/sunk by *Studacona* (UK), off Cape May, NJ-17
 857. 1866 -- Feb 24, steamers collide, *Nannie Byers* sinks, Ohio Riv., above Madison IN --16-17
 858. 1867 -- Aug, two Gloucester, MA fishing schooners lost on Georges Bank -- 17
 859. 1869 -- Apr 10, steamboat *G.A. Thomson* snags/burns, AR Riv. ~40M below Little Rock AR--17
 860. 1871 -- Sep 2, Gloucester, MA fishing schooners *Montrose* and *Emporia* lost at sea -- 17
 861. 1871 -- Nov 22, steamer *City of New London* burns, Norwich, CT -- 17
 862. 1880 -- July 22, storm *Mamie* bisected by *Garland*, Detroit River, ~Grosse Isle, MI --16-17
 863. 1882 -- Dec 6, steamer *Morning Star* flue collapse/boiler bursts, MS Riv., below N.O., LA--15-17
 864. 1884 -- Aug 29, steamer *Belmont* capsizes, high wind, OH Riv., 3m ~Henderson, KY-13-17
 865. 1885 -- Dec 25, steamship *City of Nassau* lost at sea after leaving Philly, PA -- 17
 866. 1893 -- Aug 24, tugboat *Panther* sinks in storm, SE Coast of Long Island, NY -- 17
 867. 1893 -- Dec 15, schooner *Mascot* leaves SF, CA homeport, sealing trip, lost at sea -- 17
 868. 1898 -- Oct 25, storm, steamship *L.R. Doty* sinks, Lake Mich., north of Milwaukee, WI--17
 869. 1902 -- Jan 25, Gloucester, MA fishing schooner *Alva* sails for Georges Bank, lost -- 17
 1905 -- Oct 19, *Kaliyuga* lost, Lake Huron storm, last seen off Presque Isle, MI¹⁶⁴³ -- 17
 870. 1911 -- Jan 10, barges *Trevorton/Corbin/Pine Forest* wreck, Cape Cod, MA -- 17

¹⁶⁴¹ St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.

¹⁶⁴² The last three deaths were on the 8th in a San Francisco hospital after transfer from the boat upon landing on 7th.

¹⁶⁴³ Included in the 44 lives lost (at least), in the Oct 19-20, 1905 Great Lakes storm, listed above.

871. 1912 -- Nov 23, schooner *Rouse Simmons* sinks, Lake MI storm, 12m NE Two Rivers WI--17
 872. 1918 -- Apr 05, ship *Avon* Departs NY, NY, not heard from again, presumed lost -- 17
 873. 1919 -- Mar ~28, Boston tug *Charles W. Parker, Jr*, Norfolk to Boston, storm, lost -- 17
 874. 1924 -- Aug 26~, Three MA fishing schooners lost, probably in gale, Georges Bank -- 17
 875. 1941 -- Dec 10, freighter *Oregon* sinks, collision with USN ship off Nantucket MA -- 17
 876. 1942 -- Jan 24, US collier *Venore* sunk by U-boat ~20m southeast of Cape Hatteras, NC-- 17
 877. 1942 -- May 14, US tanker *David McKelvey* torpedoed ~35M south of MS Riv. mouth, LA-- 17
 878. 1944 -- May 11, explos., ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA¹⁶⁴⁴-- 17
 879. 1947 -- Jan 09, Boston fishing trawler *Belle* goes missing off coast of MA -- 17
 880. 1951 -- Jan 14, Boston, MA fishing trawler *Gudrun* lost off Newfoundland in storm -- 17
 881. 1951 -- Oct 5, Hurricane How, freighter *Southern Isles* breaks-up/sinks off Cape Hatteras, NC-- 17
 882. 1953 -- May 11, freight *Henry Steinbrenner* sinks, Lake Superior storm, ~Isle Royale, MI-- 17
 883. 1968 -- Dec 7, USCG *White Alder* sunk, collision with SS *Helena*, Head of Passes, MS Riv., LA--17
 884. 1970 -- Apr 21, Japanese fishing boat *Nitto Maru No 67* capsized/sank ~20m off Unimak Isl., AK-17
 885. 2018 -- July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO -- 17

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

886. 1807 -- July 11, schooner *Charles*, wrecks on reef, fog, W of Portland Light, ME¹⁶⁴⁵-- 16
 887. 1833 -- May 19, stmr. *Lioness* fire/gunpowder explos., Red River, Montgomery LA --14-16
 888. 1842 -- Feb 25, steamboat *North Star* boiler explosion and fire, Tuscaloosa, AL --15-16
 889. 1842 -- Apr 04, launch from U.S steam frigate *Missouri* sinks, Potomac River -- 16
 890. 1848 -- Oct 06, steamer *Piney Woods* burns, near Springfield, LA --15-16
 891. 1849 -- Mar 03, steamer *Woodsman* flue explosion, Mississippi Riv., Bayou Sara, LA-15-16
 892. 1849 -- Mar 31, steamer *Virginia* boiler explodes, sinks, Ohio River, Rush Run, OH--14-16
 893. 1850 -- May 23, steamboat *St. Louis* flue collapse, MS Riv., Jefferson Barracks, MO--10-16
 894. 1855 -- Mar, Gloucester MA schooners *Reporter* & *Abner L. Colby* lost, Georges Bank--16
 895. 1858 -- Oct, Gloucester, MA fishing schooner *Village Belle* lost -- 16
 896. 1860 -- Apr 26, steamer *Alfred T. Lacy* fire, Isl. 16, Linwood Bend, MS Riv., ~Booth Pt. TN--16
 897. 1860 -- Sep 17-18, storm, *R. H. Dixie* wrecked, Bay of Mobile, off AL -- 16
 898. 1863 -- Dec 13, steamer *Quincy* founders, Cape Hatteras, NC -- 16
 899. 1864 -- Aug 18-30 timeframe, yellow fever, U.S. gunboat *John Chambers* -- 16
 900. 1866 -- May 03, clipper *Hornet*, NY to San Francisco, burns sinks, Pacific Ocean -- 16
 901. 1869 -- Jan 13, steamer *Glide* boiler explosion/fire, MS Riv. ~57m above New Orleans LA--15-16
 902. 1874 -- Sep 28, steamer *Amanda Winants* lost off Georgetown, SC -- 16
 903. 1882 -- Dec 05, US schr. *Henry Folger* grounds on reef, Salmon Pt. ~Wellington, Ont.-- 16
 904. 1885 -- Dec 25-Jan 1886, Gloucester, MA fishing schooner *Mabel Dilloway* lost -- 16
 905. 1887 -- Apr-Aug, MA fishing schooner *Lydia Y. (or T.) Crowell*, lost, N.S. fishing --15-16
 906. 1887 -- Sep 21, hurricane, mid-TX coast to Brownsville, US tender *Mignonette* lost/16-- 16
 907. 1888 -- Aug 22, fog, steamers collide, *City of Chester* sinks, San Francisco Bay, CA--15-16
 908. 1890 -- Mar-Apr, Gloucester MA fishing schooner *William W. Rice* lost, Iceland trip-- 16
 909. 1891 -- Aug 12, storm, Barge *Republic* deck falls, Cold Spring Harbor, L.I., NY --13-16
 910. 1894 -- Mar 12-June~, Gloucester fishing schr. *Ambrose H. Knight* lost, Iceland trip-- 16
 911. 1894 -- Apr 10, schooners *Albert W. Smith* and *Kate Markee* wreck, NJ Coast -- 16

¹⁶⁴⁴ Cross-listed in Explosions.

¹⁶⁴⁵ Cross-listed in Fog as a Contributing Condition.

912. 1897 -- Aug 12, whaler *Navarch* caught in ice, abandoned off Blossom Shoals, AK --13-16
 913. 1906 -- Apr 06, last sighting, bark *Nicholas Thayer*, heavy gale off Seal Rocks AK --10-16
 914. 1906 -- Dec 19, steamer *W.T. Scovell* boiler explodes, ~Vicksburg, Gold Dust Lndg. LA--13-16
 915. 1913 -- Jan 03, *Julia Luckenbach* collision in fog/sinks, near Tangier Island, VA¹⁶⁴⁶ -- 16
 916. 1913 -- Jan 09, stmr. *Jas. T. Staples*, boiler explosion, Tombigbee Riv., ~Mobile AL--15-16
 917. 1914 -- Aug 26, fog, steamers collide, *Admiral Sampson* sinks, Puget Sound, off Pt. No Pt., WA--12-16
 918. 1915 -- Nov 02, steamer *Santa Clara* grounds, unchartered shoal, Coos Bay Bar, OR --12-16
 919. 1916 -- Jan 05, steamer *Kanawha* hits tower, storm, capsizes, OH Ri. ~Parkersburg, WV-- 16
 920. 1918 -- Jun 02, storm, lifeboat from *Carolina* (sunk by U-151) capsizes, off NJ -- 16
 921. 1918 -- July 03, whaling schooner *Pedro Varela* departs New Bedford, MA, lost at sea-- 16
 922. 1919 -- July 04, pleasure steamer *Reliance* snags and sinks, Lake Madison, SD --15-16
 923. 1919 -- Nov 22, steamer *Myron* sinks, Lake Superior gale, off Whitefish Point, MI -- 16
 924. 1920 -- Nov 18, motorboat fire, lumbermen drownings, Chesuncook Lake, ME -- 16
 925. 1921 -- Feb 26, *U.S. Destroyer Woolsey* hit by *Steel Inventor*, sinks, Panama -- 16
 926. 1930 -- Apr 24, Long Island Sound freighter *Thames* burns, near Captains Island, CT-- 16
 927. 1942 -- Feb 22, towboat *G. W. McBride* hits bridge pier, sinks, Ohio R., Cincinnati OH-- 16
 928. 1942 -- Mar 31, tug *Menominee* shelled/sunk by U-boat ~9.5m off Metompkin Inlet, VA-16
 929. 1942 -- May 4, US freighter *Eastern Sword* sunk by U-boat, So. Atlantic, off Georgetown, Guyana-16
 930. 1943 -- Nov 24, US freighter *Melville E Stone* sunk by U-boat ~100m NW of Cristobal CZ--15-16
 931. 1944 -- Oct 21, USN LSMs 211/212 explosion/fire, Berth 223, LA Harbor, CA¹⁶⁴⁷ -- 16
 932. 1973 -- May 19, unseaworthy fishing boat *Comet* founders off Point Judith, RI -- 16
 933. 1973 -- June 02, *Sea Witch/3* collides with *Esso Brussels/13*, fire, NY Harbor, NY -- 16
 934. 1974 -- Jan 18, SS *Baune* collides the US tanker *Keytrader*, fire, lower MS Riv., LA-- 16
 935. 1975 -- May 14, Khmer Rouge attack, USS *Mayaguez*, Koh Tang Island, Cambodia¹⁶⁴⁸--16
 936. 1978 -- June 17, tornado, showboat *Whippoorwill* capsized, Pomona Lake, KS -- 16

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

937. 1830 -- Apr 01, steamboat *Tri-Color* boiler explosion, Ohio River, Wheeling, WV -- 15
 938. 1830 -- Apr 22, steamer *Chief Justice Marshall* boiler explosion, Hudson River, NY-- 15
 939. 1830 -- Sep 16 or 17, sidewheel *William Peacock* steam pipe breaks, Lake Erie ~Buffalo NY-15
 940. 1835 -- Oct 01, steamer *Carrollton* explosion, Baton Rouge, LA -- 8-15
 941. 1836 -- ~Oct , steamer *Nicholas Biddle* boiler explosion, below Memphis TN --13-15
 942. 1836 -- Dec 19, steam schooner *Dolphin*, boiler explosion, off St. Johns Bar, FL -- 15
 943. 1838 -- Nov 19, drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
 944. 1839 -- May 08, last seen, schooner USS *Sea Gull*, Tierra del Fuego to Valparaiso -- 15
 945. 1839 -- Late summer or fall, steamboat *Corsair*, yellow fever, Mississippi River -- 15
 946. 1840 -- Mar 25, brig *Escambia* sinks between Frying Pan Shoals/Cape Lookout NC --12-15
 947. 1840 -- Apr 25, *Bedford* snags near mouth MO River ~Mobile Isl./Cora Isl. Chute, MO--15
 948. 1843 -- Mar 17, steamboat *Cutter* flue collapse, Pittsburgh, PA -- 15
 949. 1846 -- Oct 12, steamer *Colonel Harney* strands, breaks up, mouth of Rio Grande TX-- 15
 950. 1846 -- Nov, Gloucester MA schooners *General Scott*, *Canton* lost, Georges Bank -- 15
 951. 1847 -- Dec 20, steamer *Westwood* hits bank in fog, boilers explode, below New Orleans LA--12-15

¹⁶⁴⁶ Cross-listed in Fog as a Contributing Condition.

¹⁶⁴⁷ Cross-listed in Explosions.

¹⁶⁴⁸ Cross-listed in Violence (Attack).

MARITIME Events -- Master Set-- By Mortality:

952. 1849 -- Jan 14, steamer *Richland* boiler explosion, Pee Dee Riv. Britton's Ferry, SC-- 15
 953. 1850 -- Apr, Gloucester MA fishing schooners *Walter Scott* and *Specie* lost at sea -- 15
 954. 1850 -- Apr 28, steamer *Cora* snags, sinks, Missouri River, below Council Bluffs, IA-- 15
 955. 1850 -- May 07, steamboat *Columbus* flue collapse, MS Riv., Island 4 ~Columbus KY-- 15
 956. 1850 -- Nov 07, steamboat *Telegraph* boiler explosion, off New Castle, DE -- 15
 957. 1851 -- Mar 24, boats collide, *Lowell* sinks, OH Riv., Captina Isl., ~Moundsville, WV-- 15
 958. 1853 -- Dec 22, steamer *Marlboro/Marlborough* boiler explosion, Charleston SC --14-15
 959. 1854 -- Feb 16, steamboat *Kate Kearney* boiler explosion, St. Louis, MO -- \geq 9-15
 960. 1857 -- Feb 21, steamer *Humboldt* sunk by *Belfast*, MS Riv., chute of Island No. 75, MS-- 15
 961. 1857 -- Mar 27, Lake Michigan storm and marine losses, Chicago, IL -- 15
 962. 1857 -- Aug 15, steamers collide, *J.N. Harris* Sinks, L.I. Sound, ~Falkland Isl., CT --13-15
 963. 1857 -- Oct 15, steamer *Tropic* snagged, Missouri River, near Waverly, MO --10-15
 964. 1857 -- Nov 18, steamboat *Cataract* mud drum explosion, Missouri Riv., Lisbon, MO--12-15
 965. 1860 -- Nov 08, steamer *Globe* boiler explosion at dock, Chicago River, Chicago, IL-- 15
 966. 1861 -- Feb 28, steamer *Corrine* explosion, McDonoghville, across from NOLA, LA-- 15
 967. 1862 -- Nov 12, steamer *Eugene* snags wreck/sinks, Miss. River, Plum Point Bend, TN--15
 968. 1865 -- Oct 29, steamer *St. John* boiler explosion, Hudson River, ~5 miles above NYC-- 15
 969. 1872 -- Nov 27, *Jupiter & Saturn* ground, Lake Superior storm, Vermilion Point, MI-- 15
 970. 1878 -- Jan 18 last sighting, American ship *Grace Darling*, gale off Cape Flattery, WA-- 15
 971. 1878 -- Sep 28, steamer *Adelphi* boiler explosion, ~Gregory's Pt. E. Norwalk, CT --14-15
 972. 1879 -- Aug~, whaling schooner *Arizona*, reportedly lost off Cape Hatteras, NC -- 15
 973. 1880 -- Apr 27, schooner *Olivia Schultze* founders, ~mouth of Siuslaw River, OR -- 15
 974. 1881 -- Sep 10, steamer *Columbia* founders, Lake MI storm, north off Frankfort, MI-- 15
 975. 1882 -- July 16, steamer *John Wilson* snags/sinks, Atchafalaya Riv., Richards Landing, LA--15
 976. 1885 -- Aug 20, Brit. bark *Haddingtonshire* strands 3 miles north of Point Reyes, CA-- 15
 977. 1888 -- Nov 26, schooner *Edward Norton* wrecks, storm, First Cliff Pt., Scituate MA-- 15
 978. 1891 -- Oct, MA fishing schooner, *Hattie N. Reed*, Lost at Sea -- 15
 979. 1892 -- June 13, munitions explos., USS *Boston* crewmen, Mare Island Navy Yard, CA--15
 980. 1894 -- Oct 25, last comm. from WA seal schooner *George R. White*, Unalaska, AK-- 15
 981. 1900 -- Aug 02-03, storm, steamers *Merwin*, *Resolute* and *Dollar* "wreck," AK -- 15
 982. 1902 -- Dec 21, last sighting of American ship *Florence*, Tacoma, WA for Honolulu-- ~15
 983. 1903 -- May 05, fog, Gloucester, MA fishing sch. *Gloriana* grounds, White Point, NS-- 15
 984. 1903 -- May 05, fog, steamer *Saginaw* sinks, liner *Hamilton* collision ~Hog Island, VA--15
 985. 1903 -- Sep 16, Gloucester sch. *George F. Edmunds*, grounds, storm, Pemaquid Pt. ME- 15
 986. 1906 -- Sep 26-26, Gulf Coast hurricane, life lost on \geq 6 schooners, AL, FL, MS -- 15
 987. 1909 -- Dec 8, PA steamer *Clarion* fire, lifeboat loss, Lake Erie ~SE Shoal, Pt. Pelee, Can.--15
 988. 1911 -- Jun 12, storm, fishing boats capsized, James River & Hampton Roads, VA -- 15
 989. 1913 -- June 09, whaler steamer *A. T. Gifford* leaves New Bedford, MA, lost at sea -- 15
 990. 1914 -- July 4, gas launch *Superba/Superb* capsizes, storm, Lynn Canal ~Skagway, AK--15
 991. 1915 -- Jan 24-5, schr. yacht *Idler* grounds, Diamond Shoals, ~Cape Hatteras, NC --12-15
 992. 1915 -- Apr 03, steamer *Edward Luckenbach* founders, False Capes, VA -- 15
 993. 1917 -- Mar 16, *Vigilancia* (NY to Archangel) torpedoed by German Sub -- 15
 994. 1919 -- May 23, steamer *Virginia* Fire ~Potomac Riv. mouth, Chesapeake Bay, MD-- 6-15
 995. 1923 -- Feb 20, *Alta* sails from San Pedro, CA for Bellingham, WA, lost in Pacific -- 15

996. 1925 -- June 28, Gloucester, MA fishing Sch. *Rex* sunk by Liner off 200M E of N.S.-- 15
 997. 1930 -- July 29, OH sandsucker *George J. Whelan* capsizes/sinks/squall/cargo shift ~Dunkirk, NY--15
 998. 1934 -- July 27, hurricane, USACE dredge breaks on Galveston jetty/11, tug *Titan* sank--15
 999. 1936 -- July 29, barge *Material Service* sinks, Lake Mich. storm, off so. Chicago, IN¹⁶⁴⁹-15
 1000.1942 -- May 08, U.S. freighter *Ohioan* sunk by U-boat ~8M off Boynton Beach, FL -- 15
 1001.1942 -- June 12, tanker *Cities Service Toledo* sunk by U-boat, Gulf, so. of Marsh Isl., LA--15
 1002.1942 -- June 04, US freighter *Velma Lykes* sunk by U-boat ~20m off Puerto Juarez, MX-- 15
 1003.1942 -- Dec 2, Navy boat capsizes (shore-leave sailors); Narragansett Bay ~Jamestown, RI-- 15
 1004.2001 -- Apr 01-02, fishing boat *Arctic Rose* (homeport Seattle, WA) sinks, Bering Sea-- 15

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

1005. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA-- 14
 1006. 1834 -- Apr 12, steamer *St. Louis* boiler explosion, Des Moines Rapids, IA -- 14
 1007. 1837 --Aug 6, hurricane, St. Augustine-Charleston schnr. *S.S. Mills* sinks off Jekyll Island, GA-14
 1008. 1839 -- Aug 13, storm, Austrian brig *Terasto* (Perasto?) grounds, Long Beach Island NJ--13-14
 1009. 1841 -- Oct 25, pilot boat, then *William Gaston* yawl, capsize, Indian River Bar, FL-- 14
 1010. 1842 -- Feb 19, steam towboat *Mohican* boiler explosion, MS Ri., New Orleans, LA --10-14
 1011. 1848 -- Late Dec, steamer *Potomac* [unclear], cholera, NOLA to Louisville, KY¹⁶⁵⁰-- 14
 1012. 1854 -- Oct 06, steamer *Princess* burns, Mississippi River, Fort Adams, MS -- 14
 1013. 1856 -- Nov 26, schooner *Cherokee* founders, Lake Michigan gale, near Manistee, MI-- 14
 1014. 1857 -- Mar 30, steamer *Forest Rose* boiler explos., Miss. Riv., near Napoleon, AR--11-14
 1015. 1858 -- Feb 04, *Colonel Crossman* boiler explosion, fire, Miss. Riv. ~New Madrid MO- 14
 1016. 1858 -- Dec, Gloucester MA schooner *John Franklin* lost after leaving Prince Ed. Isl.-- 14

 1017. 1862 -- Nov 05, steamer *J.H. Dickey* grounds, IL shore, MS River, boiler explodes -- 14
 1018. 1864 -- Jan 23, schooner *Dashaway* wrecks, Cape Mendocino, CA -- 14
 1019. 1864 -- Feb 17, steamboat *Orient* snags/sinks to upper deck, Miss. Riv., Commerce MO- 14
 1020. 1866 -- June 17-18, NY steamer *Jennie P. King* wrecks, Lake Erie storm, Long Pt., Ont.- 14
 1021. 1866 -- Oct (late). US gunboat *Bienville*, while in Caribbean and passage to NYC -- 14
 1022. 1867 -- Jan-Feb, Amer. bark *John Bright* strands near Nootka Isl., BC, crew murdered-- 14
 1023. 1868 -- Oct 06, propeller *Perseverance* burns, Lake Ontario off Pultneyville, NY -- 14

 1024. 1876 -- Apr-May, Gloucester, MA fishing schooner *James L. Shute* lost on Grand Bk-- 14
 1025. 1878 -- Jan-Feb, Gloucester, MA fishing schooner *Carrie P. Morton* lost, Grand Bk.-- 14
 1026. 1878 -- Oct 20, last sighting of fishing schooner *Cunard* out of Gloucester, MA¹⁶⁵¹ -- 14
 1027. 1879 -- Apr, Gloucester, MA fishing schooner *William Thompson*, lost, Banks -- 14
 1028. 1879 -- Apr 20, rowboat crew, stranded steamer *Great Republic*, Columbia Riv. bar, OR-- 14
 1029. 1879 -- Oct, Gloucester, MA fishing schooner *Andrew Leighton* lost, LaHave Bank -- 14
 1030. 1879 -- Oct 29, Gloucester, MA fishing sch. *N. H. Phillips*, lost, Banquereau Bank NS --13-14
 1031. 1879 -- Dec, schooner *Mary D. Pomeroy* lost at sea, Crescent City, CA to SF, CA -- 14

¹⁶⁴⁹ While South Chicago is in IL, starting about ½ mile off coast the water is in Indiana jurisdiction. The *Material Service* went down beyond ½ mile from the coast, thus in IN water. Lake County, IN, had local jurisdiction.

¹⁶⁵⁰ “A dispatch...from Louisville, dated 28th, says the steamer *Potomac* arrived from New Orleans...and reports that the cholera is very bad there. Fourteen of the steamer’s deck passengers died with it coming up.” (1-7-1849.)

¹⁶⁵¹ On fishing trip to the Grand Banks.

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

1032. 1880 -- Mar 23, Gloucester, MA schooner *Annie C. Norwood* lost, Caches' Shoal, MA--14
1033. 1880 -- Aug 29, steamer *Marine City* burns/sinks, Lake Huron, 2m off Alcona, MI -- 9-14
1034. 1880 -- Nov, Gloucester, MA fishing schooner *Nathaniel Webster*, the Banks -- 14
1035. 1881 -- Aug-Sep, Gloucester MA fishing schr. *Guy Cunningham* lost, Grand Banks--13-14
1036. 1882 -- Dec 1, steambarge *R.G. Peters* burns/sinks, storm, mid-Lake MI, MI bound/owned-14
1037. 1885 -- Feb 09~, gale, Gloucester, MA fishing schooner *Solomon Poole* lost, G. Banks--14
1038. 1885 -- Dec-Jan 1886, Gloucester, MA fishing schooner *Virginia Dare* lost, Grand Banks--14
1039. 1886 -- June-July, Gloucester, MA fishing schooner *Seth Stockbridge* lost, Greenland-- 14
1040. 1886 -- Aug-Sep, Gloucester, MA fishing schooner *George L. Smith* lost GB trip -- 14
1886 -- Nov 19, barges *Menekaunee & Marinette* wreck, Lake MI, ~Frankfort, MI¹⁶⁵²-- 14
1041. 1887 -- Aug 20, gale, Provincetown MA whaling schr. *Ellen Rizpah* lost ~Hatteras --13-14
1042. 1887 -- Sep 03~, Gloucester, MA fishing schooner *Thomas L. Tarr* lost, Banks trip -- 14
1043. 1887 -- Oct 03, propeller *California* founders, Lake Michigan, off St. Helena Isl., MI--9-14
1044. 1888 -- May 03, gale, fishing sch. *Isabel* springs leak, founders ~Shumagin Isl. AK --12-14
1045. 1889 -- Mar 16, Portland, ME bark *E.L. Pettengill* "wrecks," Chesapeake Bay -- 14
1046. 1889 -- Mar 26~, Gloucester fishing sch. *Shiloh* reported run down off Cape Cod MA-- 14
1047. 1890 -- Jan 09~, Gloucester, MA fishing schooner *Alice M. Strople* lost, GB Gale? -- 14
1048. 1891 -- Sep, Portland ME fishing schooner *City Point* lost, Le Havre Banks trip --12-14
1049. 1892 -- Aug 26, ship *William A. Campbell*, out of Port Townsend, WA sinks, storm--11-14
1050. 1892 -- Oct 4, Cleveland steam-barge *Nashua* sinks, Lake Huron gale, off Bayfield, Ont.--14
1051. 1893 -- Jan 29, American bark *Cowlitz* left Port Gamble, WA for SF, never seen again-- 14
1052. 1893 -- Oct 3, schmr. *Mary Brown* leaves Sand Point, AK for SF CA; wreck found ~Kennedy Isl., BC~14
1053. 1901 -- Jan 22, Gloucester, MA schooner *Commonwealth* sails for Georges Bank, lost-- 14
1054. 1901 -- Sep 16, Gloucester, MA schooner *Lolanthe* departs for cod-fishing trip, lost-- 14
1055. 1902 -- July 17, sudden squall, excursion party boat capsizes near Appledore Isl. ME-- 14
1056. 1902 -- Nov 23, MI freighter *Silvanus J. Macy* sinks, Lake Erie storm, off Port Burwell, Ont.-13-14
1057. 1902 -- Dec 17, last sighting, Gloucester fishing schr. *Annie Wesley*, off Sable Island-- 14
1058. 1904 -- Feb 27, steamship *Queen*, fire and drownings, off coast of OR -- 14
1059. 1907 -- Apr ?, schooner *Argo* strands/breaks-up on Lake MI beach near Manistee, MI-- 14
1060. 1907 -- Apr 13-14, steam barge *Arcadia* sinks, Lake Michigan, off Big Sable, MI --11-14
1061. 1909 -- May 1-2, steamer *Adella Shores* sinks, Lake Superior gale, off Grand Isl., MI-- 14
1062. 1909 -- July 12, fog, SS *John B. Cowle* hit by *Scott*/sinks, Lake Superior off Whitefish Pt., MI¹⁶⁵³-14
1063. 1909 -- Dec 26, schooner *Davis Palmer* founders off Boston Harbor, MA -- 14
1064. 1911 -- Nov 12, storm, steam barge lost off NY Harbor, NY -- 14
1065. 1919 -- Jan 15, whaling schooner *Ellen A. Swift* leaves New Bedford, MA, lost at sea-- 14
1066. 1923 -- Dec 05, steamer *T.W. Lake* lost in storm, off San Juan Islands, WA --13-14
1067. 1924 -- Oct 20, USS *Trenton* gun turret powder bag explosion, off Norfolk, VA -- 14
1068. 1928 -- Aug 09, *William A. McKenney*, storm/drownings, Coast of CA -- 14
1069. 1930 -- Jan 28, tug *Edgar F. Coney* sinks/storm, Gulf of Mex. ~70m off Sabine Pass, TX--14
1070. 1937 -- Jan 26, Ohio River flooding, rescue barge capsizes, Paducah, KY -- 14
1071. 1942 -- Feb 22, US tanker *Cities Service Empire* sunk by U-boat off Cape Canaveral FL--14

¹⁶⁵² These losses are included above as components of the Nov 15-18, 1886 Great Lakes storm.

¹⁶⁵³ Cross-listed in Fog as a contributing factor.

1072. 1942 -- Apr 15, US freighter *Robin Hood* sunk by U-boat, Atlantic, ~300M off NJ -- 14
 1073. 1942 -- Apr 21, US passenger ship *San Jacinto* sunk by U-boat, Atlantic off NC/SC/GA coast-14
 1074. 1942 -- June 24, US tug *John R. Williams* hits mine laid by U-Boat off Cape May, NJ-- 14
 1075. 1942 -- Dec 02, tug *Admiral* sinks, Lake Erie storm 10m off Avon Pt. Cleveland, OH-- 14
 1076. 1943 -- Jan 12, USN destroyer *Worden* hits rock/sinks, Constantine Hbr. ent., Amchitka Isl., AK--14
 1077. 1955 -- Aug 12, schooner *Levin J. Marvel* founders, Chesapeake Bay ~Fairhaven MD-- 14
 1078. 1981 -- May 26, USN EA-68 Prowler crash, USS *Nimitz*, off Jacksonville, FL -- 14
 1079. 1983 -- Feb 14, crab boats *Altair & Americus* capsize, *Altair* sinks, Bering Sea ~AK-- 14
 1080. 2002 -- May 26, barge hits bridge, span collapse, Webbers falls, OK¹⁶⁵⁴ -- 14

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

1081. 1810 -- Sep 11, USN *Gun Boat # 159* sinks in gale in Chesapeake Bay -- 13
 1082. 1824 -- May 15 steamer *Aetna* boiler explosion, New York Harbor, NY --10-13
 1083. 1831 -- May 14, steamboat *Coosa* sinks, collision with *Huntress*, Caruthersville, MO-- 13
 1084. 1831 -- July-Aug, schooner USS *Sylph* lost after leaving Pensacola, FL -- 13
 1085. 1833 -- Nov 08, steamer *Illinois* boiler explosion, Mississippi River, near Cairo, IL -- 13
 1086. 1841 -- Aug 29, steamboat *Keokuk* snags, Miss. River, St. Genevieve Island, MO --11-13
 1087. 1846 -- Nov 19, schooner *Lexington* sinks, Lake Erie storm, off Point Mouillee, MI-- 13
 1088. 1850 -- Apr, cholera, steamer *St. Louis*, New Orleans to St. Louis, arriving May 1 --12-13
 1089. 1851 -- fishing schooner *Burlington* lost at sea -- 13
 1090. 1851 -- June-July?¹⁶⁵⁵ cholera, steamboat *St. Ange*, upon arrival at Fort Pierre, SD -- 13
 1091. 1852 -- Jan 09, Steamboat *Magnolia* explosion, St. Simon's Island, GA -- 13
 1092. 1856 -- Aug 10~, hurricane, ship *Manila* (or *Manilla*) grounds Timbalier Island, LA-10-13
 1093. 1863 -- Feb 22, tug *Merrimac* wrecks, Humboldt Bar, CA -- 13
 1094. 1864 -- May 21, steamboat *Nile* boiler explosion, Detroit, MI -- 6-13
 1095. 1864 -- Oct 17, *J.C. Irwin* boilers explode, Cumberland Riv., 10m above Eddyville, KY-11-13
 1096. 1866 -- Apr 18, boats collide, *City of Norwich* burns/sinks, L.I. Sound off Huntington NY-11-13
 1097. 1867 -- Sep, gale, Gloucester MA fishing schooner *Fashion* lost, Bay of St. Lawrence-- 13
 1098. 1870 -- July 31, steamer *Silver Spray* boiler explosion/fire, MS Riv., Pacific Place, TN--9-13
 1099. 1874 -- Apr 15, tow boat capsizes, Mississippi River, below New Orleans, LA -- 13
 1100. 1874 -- Nov, Gloucester, MA fishing schooner *G. G. Kidder* lost, Grand Banks --12-13
 1101. 1876 -- Mar 01, explosion, scow, Umatilla Rapids, OR -- 13
 1102. 1876 -- Sep 17, steamer *Rebecca Clyde*, strands/wrecks, 20m so. of Hatteras, NC --12-13
 1103. 1877 -- Jan 07, steamer *Montgomery* hit by *Seminole*, sinks, 38m NE of Cape May NJ-- 13
 1104. 1878 -- Jan 10, storm, Boston fishing schnr. *Little Kate* grounds Near Duxbury, MA-- 13
 1105. 1880 -- Jan, barkentine *Ray R. Sharp* lost at sea, Philadelphia PA for Lisbon, Portugal-- 13
 1106. 1880 -- Aug 28, bark *Miriam*, Pensacola to Rio de Janeiro, Atlantic, lost at sea -- 13
 1107. 1880 -- Aug 29, bark *Alfred*, Pascagoula MS for Trinidad Island, Spain, lost at sea -- 13
 1108. 1881 -- Mar 04, bark *Ajace*, NYC bound, grounds, storm, Rockaway Reef, off Queens NY-13
 1109. 1883 -- Apr 11, steamer *Geo. W. Wyllly* hits pier/sinks, Chattahoochee Riv., Fort Gaines, GA--13
 1110. 1884 -- Apr 3, *Rebecca Everingham* fire, Chattahoochee Riv., Fitzgerald Landing GA-- 13
 1111. 1885 -- Oct, bark *Bertha*, out of Sand Key, Turk's Island for Boston, lost at sea -- 13

¹⁶⁵⁴ Cross-listed in Bridge Failures.

¹⁶⁵⁵ A newspaper report is dated July 29. Another source simply notes that the *St. Ange* brought cholera to Fort Pierre, starting an epidemic which spread to traders, trappers, local Native Americans, and then their neighbors.

1112. 1886 -- ~Sep 20 Amer. ship *Sierra Nevada*, Seattle for San Fran., founders off Cape Flattery WA--13
 1113. 1890 -- Jan 23, bark *Nellie May* (Port Madison WA for SF CA) lost, gale? off Cape Flattery WA--13
 1114. 1893 -- May 07, steam flue bursts, steamer *Ohio*, Miss. River ~ Wolf Island, MS -- 13
 1115. 1894 -- Apr, Gloucester, MA fishing schooner *Martha and Susan* lost, Georges trip-- 13
 1116. 1895 -- Mar 08, fog, stmr. *Longfellow* hits C&O bridge pier/sinks, OH Riv., Cincinnati OH--11-13
 1117. 1896 -- Oct 20, steamer *Arago* snags and sinks, Mouth of Coos Bay, OR -- 13

MARITIME Events – **Master Set** -- **By MORTALITY** (continued):

1118. 1900 -- Sep 14, Gloucester, MA fishing schooner *Sigfrid* sails for Quero Bank, lost -- 13
 1119. 1901 -- May 24, steamer *Baltimore* sinks, Lake Huron storm, off Au Sable Pt., MI --12-13
 1120. 1902 -- Feb 02, *Belle of Oregon, Antelope, Mystic Bell* lost, ~Fire Island, NY -- 13
 1121. 1909 -- Dec 13, sch. *Governor Ames* wrecks, storm, Wimble Shoals, Cape Hat., NC--11-13
 1122. 1916 -- Jan 04, gas fumes explosion, oil tanker steamer *Aztec Norge*, Erie Basin, NY-- 13
 1123. 1916 -- Apr 07, schooner *Bertha L. Barker* lost at sea, out of New York, NY -- 13
 1124. 1917 -- Dec 08, storm, *Eugene F. Moran* founders off Atlantic City, NJ -- 13
 1125. 1918 -- Mar 19, tug *W.A. Bisso* sinks in collision near New Orleans, LA -- 13
 1126. 1919 -- Apr 28 U.S. Navy launch hits log, capsizes, Hudson River, NY, NY -- 13
 1127. 1919 -- Dec 26, American schooner *Eleanor A. Percy* founders off coast of Ireland -- 13
 1128. 1920 -- Jan 29, steamer *Samuel Faunce* lost, Wilmington, NC to Key West FL¹⁶⁵⁶ -- 13
 1129. 1920 -- Feb 01, steamer *Fortune* lost off Jekyll Island, GA -- 13
 1130. 1942 -- Mar 19, US tanker *W.E. Hutton* sunk by torpedo, Atlantic, off Beaufort, NC-- 13
 1131. 1942 -- May 13, US tanker *Gulfpenn* sunk by U-boat ~30M south of MS Riv. mouth, LA-- 13
 1132. 1942 -- June 03, US tanker *M.F. Elliott* sunk by U-boat ~150M northwest of Trinidad-- 13
 1133. 1943 -- Feb 20, USN minesweeper *YMS-133* capsizes in trough, Coos Bay bar, OR -- 13
 1134. 1949 -- Jan 19, USCG *Eastwind* and SS *Gulfstream* collide in fog ~60M SE of Barnegat Light Vessel--13
 1135. 1972 -- Aug 16, USCG/NWS fail to warn fishing boats of approaching gale CA/2, OR/11-- 13
 1136. 1974 -- Apr 9, oil tanker *Elias* explosions unloading at dock, Del. Riv., Fort Mifflin, PA-- 13
 1137. 1976 -- Apr 15, oil platform *Ocean Express* capsizes under tow in storm, Gulf, off TX-- 13
 1138. 1989 -- July 31, *Avco 5* liftboat capsizes, Hurricane Chantal, off Morgan City, LA -- 13
 1139. 1999 -- May 1, *Miss Majestic* DUKW tour boat sinks off St. John's Isl., Lake Hamilton, AR- 13
 1140. 2021 -- Apr 13, liftboat (platform) *Seacor Power* capsizes off Port Fourchon, LA -- 13
1141. 1821 -- Oct 25, *Sea Fox* capsizes in storm, same day as sailing from NYC, NY -- 12
 1142. 1831 -- June 09, *General Jackson*, explosion, Hudson River, Grassy Point, NY -- 12
 1143. 1836 -- Aug 09, steamer *Motto* boiler explosion, Blennerhassett Island, Ohio Riv., WV--12
 1144. 1837 -- July 28, sidewheeler *Chariton*, boiler explosion, St. Louis, MO -- 12
 1145. 1838 -- barque *Edward Quesnel* wrecks on Nepeague Beach, Long Island, NY --10-12
 1146. 1844 -- June 19, steamer *Palestine* fire/drownings, above Cairo, IL, OH Riv., KY side-- 12
 1147. 1850 -- Apr, steamer *Missouri* cholera, New Orleans to St. Louis, arriving May 2 -- ~12
 1148. 1850 -- Oct 05, *Kate Fleming* boiler explosion/fire, Ohio River, Walker's Bar, KY --11-12
 1149. 1851 -- by Apr 24, steamboat *Iroquois* cholera deaths, New Orleans to St. Louis, MO-- 12
 1150. 1852 -- Feb 16, flues collapse, *May Queen*, Ark. River, 45m below Little Rock, AR-- 12
 1151. 1852 -- Dec 14, steamers collide, *Western World* rolls over, MS Riv., Princeton Lndg., MS-12
 1152. 1853 -- Jan 9, bark *Vandalia* found bottom-up off McKenzies Head ~North Head WA--9-12

¹⁶⁵⁶ I assume that the *Fortune* and *Samuel Faunce* events refer to same event and that one of the sources is wrong.

1153. 1854 -- Feb, Gloucester, MA fishing schooner *Flight* lost, Georges Bank -- 12
 1154. 1854 -- Sep 17/18, steamer *Kate Ward* lost in hurricane, Matagorda Bay, TX¹⁶⁵⁷ -- 12
 1155. 1855 -- Apr 20, propeller *Oregon* boiler explodes/sinks, Detroit River ~Belle Isle, MI-- 12
 1856 -- Apr 16~ steamers collide, *Northerner* sinks, Lake Huron, off Port Huron, MI¹⁶⁵⁸--1 or 12
 1156. 1856 -- Aug 10-11~, schooner *Exceed* lost, Last Island hurricane, off coast of LA -- ≥12

MARITIME Events – **Master Set** – **By MORTALITY** – continued:

1157. 1860 -- Mar 06, steamer *Alfred Thomas* boiler explosion, Delaware riv., Easton, PA--10-12
 1158. 1860 -- Sep 22, Gloucester, MA schooner *Neptune's Bride* wrecks, Maine -- 12
 1159. 1860 -- Nov 10, gale, American ship *John Marshall* lost, Strait of Juan de Fuca ~Cape Flattery WA~10-12
 1160. 1862 -- Aug 9, sch. *Oriole* sinks, hit by *Illinois* in fog, Lake Sup. off Pictured Rocks, MI--12
 1161. 1862 -- Oct 07, steamboat *Ceres* boiler explosion off St. Joseph Island lighthouse, MS-- 12
 1162. 1864 -- Aug 10, propeller *Racine* boiler explosion, Lake Erie, off Rondeau, Ontario-- 12
 1163. 1865 -- Jun 03, steamers *Poland* and *Idaho* collide, *Poland* sinks, Yazoo River, MS--10-12
 1164. 1865 -- July 31, steamer *Joseph Pierce* boiler explosion/fire, Palmyra Landing, MS -- 9-12
 1165. 1866 -- Jan 09, steamer *Asher Ayres* burns, Altamaha River, Darien, GA -- 6-12
 1166. 1867 -- Mar 03, propeller steamer *Andalusia* fire and drownings, off Hatteras, NC -- 12
 1167. 1868 -- ~Dec-Jan 1869, storm, Gloucester, MA fishing sch. *Forest Belle* lost, GB -- 12
 1168. 1870 -- Sep, Gloucester MA fishing sch. *Dauntless* lost on way to St. Lawrence Bay-- 12
 1169. 1870 -- Sep 18, gale, Gloucester, MA fishing schooner *Day Star* lost at sea -- 12
 1170. 1871 -- Jan 09, Gloucester, MA fishing schooner *Edith Wonson* lost, Western Bank-- 12
 1171. 1871 -- summer, East Gloucester, MA fishing schooner *River Queen* lost at sea -- 12
 1172. 1872 -- Jan, Gloucester, MA fishing schooner *Messenger* lost on Western Bank -- 12
 1173. 1874 -- Feb 11, gale, Gloucester, MA fishing schr. *B. H. Smith*, lost, Grand Banks -- 12
 1174. 1874 -- Mar, Gloucester, MA Fishing Schooner *White Fawn* lost Western Banks -- 12
 1175. 1875 -- Jan, Gloucester, MA fishing schooner *David Burnham* lost on Grand Banks-- 12
 1176. 1875 -- Jan, Gloucester, MA fishing schooner *Joseph Chandler* lost, Grand Banks -- 12
 1177. 1875 -- Feb, Gloucester, MA fishing schooner *J. C. Call* lost, Grand Banks -- 12
 1178. 1875 -- Feb, Gloucester, MA fishing schooner *Sarah H. Cressey* lost, Grand Bank -- 12
 1179. 1875 -- Mar, Gloucester, MA fishing schooner *H.B. Stanwood* lost, Georges Bank -- 12
 1180. 1875 -- Sep 10, steamer *Mendota* sinks, Lake Michigan storm, off Point Betsie, MI--10-12
 1181. 1875 -- Sep 15-18, hurricane, Atlantic and Gulf coast -- 12
 1182. 1875 -- Nov, Gloucester, MA fishing schooner *Pharsalia* lost, Georges Banks -- 12
 1183. 1876 -- May~, Gloucester, MA fishing schooner *Saratoga* hit/sunk, Georges Bank -- 9-12
 1184. 1876 -- Sep, Gloucester, MA fishing schooner *Walter M. Falt* lost on Grand Banks-- 12
 1185. 1876 -- Dec, Gloucester, MA fishing schooner *William T. Merchant* lost, Grand Bank-- 12
 1186. 1878 -- Jan 02-03, Cape Cod storm, schnrs. *A.P. Avery*, *Powwow*, *F. Fish* wrecked -- ~12
 1187. 1879 -- Apr, Gloucester, MA fishing schooner *Ida (or Ada) E. Baker*, Western Bank-- 12
 1188. 1881 -- Apr 15, Gloucester, MA fishing schooner *Carrie S. Dagle* lost, Western Bank-- 12
 1189. 1885 -- Dec 25-Jan 1886, Gloucester, MA fishing schnr. *Hyperion* lost, GB trip gale?-- 12
 1190. 1887 -- Mar 20, steamer *Seal* lost, Lynn Canal north of Berners Bay, southeast AK -- 12
 1191. 1887 -- Apr, Gloucester, MA fishing schooner *Jamestown* lost, Western Bank -- 12
 1192. 1887 -- Apr 01, ship *Eldorado* (Seattle to SF) founders off Cape Flattery, WA -- 12

¹⁶⁵⁷ Cross-listed under Hurricane.

¹⁶⁵⁸ We show this only because there were accounts of 12 deaths. Papers at the time note only one death – engineer.

1193. 1887 -- Nov-Dec, Gloucester, MA fishing schooner *Peter D. Smith* lost Georges trip-- 12
 1194. 1887 -- Nov-Dec, Gloucester, MA fishing schooner *William Parsons, 2nd*, lost, GB -- 12
 1195. 1887 -- Dec 20, freighter *San Vincente* burns off Pigeon Point ~45m south of SF, CA-- 12
 1196. 1888 -- Nov-Dec, Gloucester, MA fishing schooner *Carleton* lost, Georges trip -- 12
 1197. 1888 -- Nov-Dec, Gloucester, MA fishing schooner *Joseph O.* lost, Georges trip -- 12
 1198. 1889 -- Nov 20, steamer *Manhattan* sinks, collision, schmr. *Agnes Manning*, off DE--10-12

Maritime Events – Master Set – By Mortality (continued):

1199. 1891 -- Jan-Feb?, Gloucester, MA fishing schooner, *Veteran* lost, Georges trip -- 12
 1200. 1891 -- Sep, gale, Beverly, MA fishing sch. *Albert Woodbury* lost ~Nova Scotia --11-12
 1201. 1891 -- Sep-Oct, Gloucester, MA fishing schooner *Percy* lost, Georges Bank trip -- 12
 1202. 1892 -- July 12, storm, steamer *Frankie Folsom* capsizes, Illinois River, Peoria, IL -- 12
 1203. 1893 -- Aug, Gloucester, MA fishing schooner *Pioneer* lost, Georges Bank trip -- 12
 1204. 1895 -- Jan 26, barges towed by *Sea King* founder in storm, off Pt. Judith, RI -- 12
 1205. 1895 -- Feb 09, Gloucester schooner *Clara F. Friend* strands, Eastern Head, N.S. -- 12
 1206. 1898 -- Aug 02, hurricane, tugboat *Nimrod* capsizes, crew lost, off Cape San Blas, FL--12
 1207. 1899 -- Feb 14~, Gloucester, MA schooner *A.M. Burnham* lost on Brown's Bank -- 12
 1208. 1899 -- Apr 22, lifeboat fm foundered stmr. *General Whitney* capsizes ~Cape Canaveral, FL-- 12
 1209. 1899 -- Oct 30, steamer *George L. Colwell* founders, gale off Coast of SC -- 12
 1210. 1899 -- Dec 05, freighter *Niagara* sinks, Lake Erie storm, 10m E, Long Pt. Ontario-- 12
 1211. 1902 -- Mar 17, Monomoy Station lifeboat capsizes off Chatham, MA -- 12
 1212. 1902 -- Dec 03, ship *Progreso*, fuel tank explosion, Fulton Shipyard, SF, CA -- 12
 1213. 1906 -- Jan 13, schooner *Robert H. Stevenson* grounds, Diamond Shoals, NC -- 12
 1906 -- June 11, steamer *Corinthian* grounds, Humboldt Bar, CA¹⁶⁵⁹ -- 12
 1214. 1910 -- May 11, *City of Saltillo* grounds on rock and sinks, Glen Park, MO -- 12
 1215. 1911 -- July 07, steamer *Santa Rosa* grounds north of Point Arguello, CA -- 12
 1216. 1924 -- Nov 15, rum runner tug *William Maloney* founders in storm, Newport, RI --11-12
 1217. 1927 -- Apr 08, Gloucester, MA fishing schooner *Commonwealth* burns, N.S. coast-- 12
 1218. 1929 -- Oct 29, steamer *Wisconsin* sinks, Lake Michigan storm, off Kenosha, WI -- ≥12
 1219. 1933 -- Jan 24, storm, diesel *Umnak Native* strands, Umnak Isl., Inanudak Bay, AK-11-12
 1220. 1934 -- Jun 12, tuna clipper *Belle Isle* sails from San Diego, CA, Lost at Sea -- 12
 1221. 1936 -- Jun 19, outboard motor boat capsizes, children drown, Lake Gardner, ME -- 12
 1222. 1938 -- Sep 21, New England Hurricane, *Charles O. Carlson/5, Ocean View/6*¹⁶⁶⁰ -- 12
 1223. 1939 -- salmon fishing vessel *Oduna* (or *Oduno*) sinks off Noyes Island, AK -- 12
 1224. 1943 -- Jan 9, US freighter *Collingsworth* sunk by sub, So. Atlantic ~100m NE of Paramaribo--12
 1225. 1944 -- Apr 27, ships collide, freight *James H Reed* sinks, Lake Erie fog, off Ashtabula, OH--12
 1226. 1944 -- Sep 15, USCG Lightship *LS-73* sinks, hurricane, off coast of MA -- 12
 1227. 1945 -- May 05, civilian US collier *Black Point* torpedoed off Point Judith, RI -- 12
 1228. 1947 -- Mar 12, tanker *Fort Dearborn*, San Fran. to Shanghai, breaks up, gale, Pacific-12
 1229. 1947 -- Jun 22, tanker *Markay* vapor explos. loading petrol. products, Mormon Isl., LA, CA--11-12
 1230. 1950 -- Sep 12, Fairhaven, MA fishing boat *Theresa A.* sunk, hurricane, Georges Bank-- 12
 1231. 1950 -- Dec 18, tug *Sachem* sinks (all aboard lost), Lake Erie, off Dunkirk, NY -- 12
 1232. 1961 -- Nov 07, M/V *Union Reliance*, M/V *Berean*, collision, near Houston, TX -- 12

¹⁶⁵⁹ Incorrectly noted as 12 deaths in several sources. Actual loss of life was two crewmembers.

¹⁶⁶⁰ At least one other death at sea -- from a fishing boat which foundered off Block Island, R.I.

1233. 1979 -- Aug 30, *Inca Tupac Yupanqui* hits barge, explos./fire, MS Riv., Good Hope, LA- 12

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

1234. 1787 -- Dec, last week; crewmen from previously captured Maine sloop *Squirrel* murdered by Algerians-11
1235. 1797 -- Oct 18, storm, schooner *Flying Fish* knocked over, 7 drown inside, 4 later, off GA--11
1236. 1822 -- Oct 27, ship *Savannah* grounds and breaks-up near Fire Island, Long Isl., NY--11
1237. 1830 -- Apr 18, stmr. *Caledonia* boiler explosion, MS Riv., ~9m below New Madrid, MO-10-11
1238. 1841 -- Sep-Oct. yellow fever, crew of the USS *Levant*, at Pensacola, FL -- 11
1239. 1849 -- Apr 17, *Outward Bound* founders, Lake Mich. storm, Manitou Passage, MI-- 11
1240. 1850 -- July 31, steamer *America* boiler explosion, Lake Erie, near Barcelona, NY-- 11
1241. 1851 -- fishing schooner *Hamilton* lost -- 11
1242. 1851 -- Aug 20, steamboat *Dacotah* boilers explode, Illinois River, Peoria, IL -- 11
1243. 1852 -- Apr 16, steamer *Pocahontas* fire, MS Riv., Isl. No. 78, Choctaw Bend, AR --10-11
1244. 1853 -- June 20, steamboat *New World*, boiler explosion, New York, NY -- 11
1245. 1855 -- Oct 27, propeller *Charter Oak* founders, Lake Erie gale, off Girard, PA --10-11
1246. 1855 -- Nov 03, *Delaware* grounds, Lake Mich. storm, ~8 miles from Sheboygan WI--10-11
1247. 1860 -- Sep 07-08, schooner *St. Mary* founders in Lake Michigan storm --all 11
1248. 1865 -- Dec 09, steamer *De Soto*, boiler explosion, near Pascagoula, MS -- 11
1249. 1867 -- Nov 17, steamboat *Onward* burns, Alabama River, Bells Ledge, AL -- 11
1250. 1868 -- May 01, steamer *Governor Cushman* boiler explodes, Lake Erie, Buffalo, NY--11
1251. 1869 -- Nov 05~ sch. *W.W. Arnold* grounds, Lake Sup. storm, Two Hearted Riv., MI-- 11
1252. 1870 -- Jan, Gloucester, MA fishing schooner *Viking* lost on way to Grand Banks -- 11
1253. 1871 -- Jul 3, Cal. brig *Shelehoff* disabled Pacific Ocean storm, starvation, found Oct 19-- 11
1254. 1871 -- Sep 22, schooner *Charles H. Hurd* founders in gale ~South Manitou Isl., MI-- 11
1255. 1873 -- Mar, Gloucester, MA fishing schooner *J. H. Orne* lost on Georges Bank -- 11
1256. 1875 -- Apr 29, fishermen drown off Saint Joseph, MI -- 11
1257. 1875 -- Aug 26, ships collide, freight *Comet* sinks, Lake Superior, 7M SE Whitefish Pt., WI--11
1258. 1875 -- Dec 01, steamer *Sunnyside* hits ice/sinks, Hudson Riv., near West Park, NY-- 11
1259. 1876 -- Apr 04~, Gloucester, MA fishing schooner *Kearsarge* lost, Georges Bank -- 11
1260. 1876 -- Apr-May, Gloucester, MA fishing schooner *Janet Middleton* lost on GB -- 11
1261. 1876 -- Dec, Gloucester, MA fishing schooner *Howard Steele* lost, La Have Bank -- 11
1262. 1876 -- Dec, Gloucester, MA fishing schnr. *Modena B. Jerauld* lost, La Have Bank-- 11
1263. 1877 -- Jan, Gloucester, MA fishing schooner *Mary Burnham* lost, La Have Bank -- 11
1264. 1883 -- May 20, schooner *Wells Burt* founders, Lake Mich. storm, off Evanston IL-10-11
1265. 1884 -- June 8, Ferry Boat goes over falls, drownings, Thompson's falls, MT -- 11
1266. 1886 -- Jan 2, steam *W.D. Chipley* grounds/sinks, Chattahoochee Riv., 7m no. Fort Gaines GA--8-11
1267. 1886 -- Feb 26, snowstorm, steamer *Idlewild* strands, lifeboat lost, off Stamford CT--8-11
1268. 1886 -- Mar 16, steam freighter *Beda* springs leak, founders off Cape Perpetua, OR-- 11
1269. 1886 -- Sep, steamboat *Julia* boiler explosion near Vallejo Wharf, CA -- 11
1270. 1888 -- Jan 09, ship *John T. Berry*, Philadelphia, Pa. to Japan, burns at sea -- 11
1271. 1888 -- Oct 24, barkentine *Makah* found bottom-up off Tillamook Head, OR -- 11
1272. 1889 -- Jan 05, steamer *Paris C. Brown* snags and sinks, Hermitage Landing, LA -- 8-11
1273. 1889 -- Feb 09, last sighting, schooner *Annie* leaves San Francisco for Unalaska, AK-- 11
1274. 1889 -- Feb 22, Nova Scotia bark *Josie Troop* wrecks at Chicamacomico, NC -- 11
1275. 1892 -- Feb 19-Mar 02~, gale, schnr. *Tecumseh*, strands, Fenwick Isl. Shoals, MD--10-11

1276. 1895 -- Apr 24, SF CA seal/fishing schooner *C G White* grounds/storm, Trinity Isl. reefs, AK-11
 1277. 1895 -- Nov 23-Dec, Gloucester fishing schooner *Falcon* lost, Georges Bank trip -- 11
 1278. 1896 -- Oct 14, NY fishing smack *W.W. Story* last seen off Absecon, NJ -- 11

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

1279. 1900 -- Sep 12, freighter *John B. Lyon* sinks, Lake Erie storm, off Ashtabula, OH -- 11
 1280. 1902 -- Dec 17, schooners *Louise B. Crary/Frank A. Palmer* collide, Gloucester, MA--11
 1281. 1903 -- Oct 3, steamer *Erie L. Hackley* sinks, Lake MI storm, Green Bay ~Green Isl., WI--11
 1282. 1904 -- May 26, towboat *Fred Wilson* boiler explosion, W. Louisville, KY -- 11
 1283. 1905 -- July 07, drownings, at log jam, Chippewa River, Little falls Dam, WI -- 11
 1284. 1905 -- Nov 27-29, Lake Sup. storm, *Mataafa/9 Edenborn/1 Lafayette/1* wreck ~Duluth MN-11
 1285. 1907 -- June 11, launch from battleship *Minnesota* run-down Hampton Roads, VA-- 11
 1286. 1908 -- Feb 14, ship *Emily Reed* grounds, Nehalem Beach, OR -- 11
 1287. 1908 -- Apr 26, *Miriam* hit by “cyclone,” capsizes, Miss. River, ~Hardin Pt. AR -- 11
 1288. 1908 -- May 2, gale, stmr. *Minnie E. Kelton* floods/adrift/men washed off, Yaquina Head OR-11
 1289. 1908 -- Nov 21, steamer *H.M. Carter* boiler explosion/fire, MS Riv., Bayou Goula, LA--10-11
 1290. 1909 -- June 06, ship hits wharf, collapses, Mandeville, Lake Pontchartrain LA -- 11
 1291. 1909 -- Aug 18, Gloucester, MA schooner *Orinoco* capsizes, Sambro, Nova Scotia-- 11
 1292. 1909 -- Oct 11, tug *Sybil* wrecks during hurricane off southern coast of FL -- 11
 1293. 1909 -- Dec 24, steamer *Columbia* lost, out of NYC, NY to Port au Prince Haiti -- 11
 1294. 1911 -- July 28, New England coastal storm, craft lost (esp. *Nokomis*), esp. MA -- 11
 1295. 1914 -- May 11, steamer *Jefferson*, Boiler Scalding, Norfolk, VA to NYC -- 11
 1296. 1914 -- Oct 31, schooner *Lizzie Lee* leaves New Bedford MA for Cape Verde, lost-- 11
 1297. 1915 -- Aug 22~, Boston schooner *Maude Palmer* sinks, Gulf of Mexico -- 11
 1298. 1916 -- Feb 02, steamer *Sam Brown* boiler explosion, Huntington, WV -- 11
 1299. 1916 -- July 14, *Ramos* Founders, from Philly PA to Cartagena, Columbia -- 11
 1300. 1918 -- Feb 28, American schooner *Americana* clears Columbia Riv. bar, lost at sea, Pacific-11
 1301. 1918 -- Dec 03, storm, *Manola* founders, Lake Ontario near Duck Island, Canada -- 11
 1302. 1919 -- July 25, Springfield Boys’ Club boat capsizes, Big Pond, East Otis, MA -- 11
 1303. 1920 -- Feb 06, steamer *Polias*, snowstorm, hits Old Cilley Ledge, Penobscot Bay, ME--11
 1304. 1921 -- Jan 31, schooner *Carroll A. Deering*, grounds, Diamond Shoals, NC -- 11
 1305. 1921 -- Oct 30, House of David schooner *Rosa Belle* Founders, Storm, mid-Lake MI-- 11
 1306. 1921 -- Oct 30, two Hilton Fishing Co. boats capsize, off Anglesea, NJ -- 11
 1307. 1927 -- July 08, boat with Miss. River flood evacuees overturns, Port Barre, LA -- 11
 1308. 1941 -- Oct 17, USS *Kearny* torpedoed by German submarine, off Iceland¹⁶⁶¹ -- 11
 1309. 1942 -- Mar 17, US tanker *Acme* torpedoed by U-boat ~1m west Diamond Shoals Light NC-11
 1310. 1942 -- Mar 26, tanker *Dixie Arrow* torpedoed, U-boat off Diamond Shoals Buoy, NC-11
 1311. 1942 -- Apr 09, US tanker *Eugene V.R. Thayer* shelled/sunk by sub ~20m off N. Brazil-11
 1312. 1942 -- May 18, US freighter *Quaker City* sunk by U-boat ~300 miles east of Barbados--11
 1313. 1942 -- June 17, US freighter *Millinocket* sunk by U-boat off La Isabela, north Cuba-- 11
 1314. 1942 -- July 13, US tanker *R.W. Gallagher* sunk by U-boat, Gulf, SE of Morgan City, LA-10-11
 1315. 1942 -- July 30, US freighter *Cranford* sunk by U-boat ~250 miles E-SE of Barbados--11
 1316. 1942 -- Sep 13, last sighting, Seattle halibut schooner *Helgeland* off Kodiak Isl., AK-10-11
 1317. 1943 -- Jan 20, US tanker *Brilliant* splits/sinks, gale, east of north Newfoundland -- 11

¹⁶⁶¹ Cross-listed in Violence (Attack). This was before Pearl Harbor and U.S. declarations of war.

1318. 1943 -- Nov 24/25, storm, freighter *John P. Gaines* breaks-up 40M S of Chirikoff Isl., AK-11
 1319. 1944 -- Mar 16, assault boat training drownings, Lakewood, ~Camp Robinson, AR-- 11
 1320. 1946 -- Feb 04, AK steamship *Yukon* hits rocks off Johnstone Bay, SE of Seward, AK-11
 1321. 1951 -- Oct 29, two boats and barge collide, gasoline explosion, Buffalo River, NY-- 11
 1322. 1951 -- Dec 20, Danish cargo/passenger motorship *Erria* fire, Columbia Riv. ~Astoria, OR- 11
 1323. 1954 -- Aug 31, fisher *Redstart* out of New Bedford, MA, breaks-up during hurricane--11
 1324. 1955 -- Jan 13~, New Bedford, MA scalloper *Doris Gertrude* lost off New Eng. coast--11
 1325. 1959 -- Nov 25, MV *National Pride* capsizes Gulf of Mexico off Galveston, TX -- 11
 1326. 1960 -- Jul 19, USN destroyers *Ammen & Collett* collide, fog ~Newport Beach, CA¹⁶⁶²-- 11
 1327. 1962 -- Nov 15~, storm, New Bedford, MA scalloper *Midnight Sun* lost, Georges Bank--11
 1328. 1978 -- Oct 20, USCG cutter *Cuyahoga* & MV *Santa Cruz II* collide ~Smith Point, MD--11
 1329. 1984 -- July 7, microburst, sternwheel *SCItanic* capsizes, TN Riv., Ditto Landing, AL--11
 1330. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX¹⁶⁶³--11
 1331. 2003 -- Jun 14, *Taki-Too* fishing charter capsizes crossing bar, Tillamook Bay Inlet, OR-- 11
 1332. 2003 -- Oct 15, ferry *Andrew J Barberi* hits pier, St George Terminal, Staten Isl. NY-- 11
 1333. 2010 -- Apr 20, drill rig *Deepwater Horizon* explosion, Gulf of Mex., ~50m, LA¹⁶⁶⁴-- 11

MARITIME Events – **Master Set** – **By MORTALITY** (continued):

1334. 1811 -- Mar 22/23, American ship *Tonquin* crew drown trying to sound Columbia Bar OR-8-10
 1335. 1816 -- June 9, steamer *Washington* cylinder blows, scalding, Ohio Ri., Point Harmar, OH--10
 1336. 1832 -- Oct 5, schooner *Eliza Whittlesey* capsizes, squall, Lake Erie off Ashtabula, OH--10
 1337. 1837 -- June 19, steamboat *Crusader* boiler explosion, Rabbit Island, LA -- ~10
 1338. 1838 -- Dec 3, stmr. *Augusta* boiler explosion, MS River ~11m north of Natchez, MS--10
 1339. 1839 -- Nov 18, *Wilmington* boiler explos., MS Riv., ~AR Riv. and Napoleon, AR-- 6-10
 1340. 1841 -- Oct 23? schooner *Post Boy* lost/powder explos. ?/gale?, Lake MI, 15m off Kalamazoo, MI--~10
 1341. 1843 -- Aug, Gloucester MA fishing schooner *The Byron* lost, "South Channel" -- 10
 1342. 1845 -- Feb 8, stmr. *Siren* boiler explodes, Apalachicola riv., below Chattahoochee, FL-10
 1343. 1845 -- Aug 12, collision, steamers *London, Kent* (sinks), L. Erie, Pt Pelee, Ontario-- 10
 1344. 1847 -- June 9, ships collide, steamer *Chesapeake* sinks, Lake Erie, ~Conneaut, OH--8-10
 1345. 1848 -- Apr 18 schooner *Tribune* sinks, Lake Michigan gale, off Cathed Point, MI-- 10
 1346. 1849 -- by Mar 24, cholera, steamboat *Yorktown*, MS Riv. before reaching Cairo IL-- 10
 1347. 1849 -- Apr-early May?, cholera, steamer *Weston*, up MO River to Ft. Leavenworth-- 10
 1348. 1849 -- Oct 06, Gloucester MA fishing schooner *Levi Woodbury* lost, severe storm-- 10
 1349. 1851 -- Apr 10, fishing schooner *Harvest Home* of Newcastle, NH, lost at sea -- 10
 1350. 1852 -- Jan 14, steamer *Martha Washington* burns, MS Ri., Island #65 ~Jackson Pt.- 5-10
 1351. 1852 -- Dec 14, steamer *Magnet* boiler explosion, OH Riv., Grandview Island, WV-- 10
 1352. 1853 -- Feb 16/26, brig *Vintage* sails, Salem, MA for West Coast of Africa, lost -- 10
 1353. 1854 -- Jan 09, *General Bem* snags/lost, Arkansas River, Walnut Bend, AR -- 10
 1354. 1854 -- Mar 08, schooner *Robert Walsh* lost off Cape Hatteras, NC -- 10
 1355. 1854 -- May 10, steamer *Pike* snags/sinks, MS Riv., Big Eddy, Wilkinson's Lndg., MO- 10
 1356. 1854 -- Nov 13, steamer *Bucephalus* sinks, Lake Huron storm, near Bird's Creek, MI-- 10
 1357. 1855 -- Aug 08, bark *L. M. Hubby* capsizes, Lake Michigan off Point Betsie, MI -- 10

¹⁶⁶² Cross-listed in Fog as Contributing Factor.

¹⁶⁶³ Cross-listed in Explosions. The natural gas explosion and resulting fire on the boat led to the loss of life.

¹⁶⁶⁴ Cross-listed in Explosions.

1358. 1857 -- Nov 19? schr. *Radiant/Radiant* sinks, Lake Erie, gale?, bound for Oswego NY-10

MARITIME Events – Master Set – By MORTALITY (continued):

1359. 1864 -- Nov 8, bark *Mojave* sinks, Lake Mich. betw. Sheboygan WI, Big Sable Pt. MI-10
1360. 1864 -- Nov 26, sternwheel *Sophie McLane* boiler explosion, Suisan city dock, CA-- ≥10
1361. 1865 -- Aug 21, mud drum explosion, steamboat *Argosy No. 3*, Ohio Riv. ~Rono, IN-- 10
1362. 1866 -- Apr 12, steamer *Financier* fire, Ohio River, Crow Island, near Baden, PA -- 10
1363. 1866 -- Sep 29, steamer *Julia* steam drum explosion, San Francisco, CA -- 10
1364. 1867 -- May 04, steamer *Main* capsized in storm on Lake Pontchartrain, LA -- 10
1365. 1868 -- June, Gloucester MA fishing schooner *General Butler* lost, Georges Bank -- 10
1366. 1868 -- Sep 16, sch. *Persian* sunk by *E.B. Allen*, Lake Huron, 3m off 40-Mile Point MI--10
1367. 1870 -- Jan 25, Gloucester, MA fishing schooner *Weather Gage* lost, Grand Banks-- 10
1368. 1870 -- Mar, Gloucester MA fishing schooner *William F. Pool* lost on Georges Bank-- 10
1369. 1870 -- Oct, Gloucester, MA fishing schooner *Alatamaha* lost, Georges Bank -- 10
1370. 1871 -- Oct 03, hurricane, TX coast, steamer *C. K. Hall* lost off Cedar Point TX -- >10
1371. 1874 -- Nov 22/23, schooner *William Sanderson* breaks-up, Lake MI storm off Empire, MI-7-10
1372. 1875 -- Mar, Gloucester, MA fishing schooner *William C. Endicott* lost, Georges Bank-- 10
1373. 1875 -- May 02, steamer St. Luke hits bridge pier/sinks, Missouri Riv., St. Charles, MO--9-10
1374. 1875 -- July 06, steamer *Isaac Bell* & tug *Lumberman* collide, Hampton Roads, VA-- 10
1375. 1876 -- Apr 08, Gloucester, MA fishing schooner *Henrietta Greenleaf* capsizes, ~GB--10
1376. 1876 -- Oct, Gloucester, MA fishing schooner. *Joseph F. Allen* lost, Western Bank-- 10
1377. 1876 -- Dec, Gloucester, MA fishing schooner *D. E. Woodbury* lost, trip to GB -- 10
1378. 1876 -- Dec, Gloucester, MA fishing schooner *J.F. Huntress* lost, La Have Bank -- 10
1379. 1876 -- Dec, Gloucester, MA fishing schooner *John S. Tyler* lost, La Have Bank -- 10
1380. 1876 -- Dec, Gloucester, MA fishing schooner *Wyoming* lost, La Have Bank -- 9-10
1381. 1877 -- Oct 02, steamer *Comfort* boiler explosion, OH Riv. near Pipe Creek, WV side--10
1382. 1879 -- Oct-Dec, Gloucester MA fishing sch. *Harvey C. Mackay* lost, Grand Banks-- 10
1383. 1880 -- Aug, bark *Emma C. Litchfield* lost at sea, St. Mary's GA to Buenos Aries -- 10
1384. 1880 -- Aug 09, steamer *Bonnie Lee* boiler explosion, Lenoir Pt., Red River, LA -- 9-10
1880 -- Oct 12, steambarge *Trader* waterlogged in storm/lost, Lake MI, off MI coast¹⁶⁶⁵-0
1385. 1882 -- Jan 22, bark *F.L. Carney* shipwreck, South Hatteras Inlet, NC -- 8-10
1386. 1883 -- Jan 29, steamer *Tacoma* grounds/breaks-up, Pacific, 4m no. of Umpqua Riv., OR- 10
1387. 1883 -- May 25, steamboat *Pilot* boiler explosion, Petaluma River ~Lakeville, CA -- 9-10
1388. 1883 -- Sep, Gloucester MA schooner *Charles Hildreth* lost, trip to Georges Bank -- 10
1389. 1884 -- Jan 23, raft upset/drownings, Upper Cumberland River, near Carthage, TN --9-10
1390. 1884 -- Jun 27, schooner *Deborah H. Diverty* founders, storm, off Beck's Beach, NJ-- 10
1391. 1885 -- Aug, schooner *Washington*, Apalachicola, FL to NYC, lost at sea -- 10
1392. 1885 -- Dec 4-6, schooner *Orphan Boy* grounds, Lake Mich. storm, Big Sable Pt., MI-7-10
1393. 1886 -- Aug-Sep, Gloucester, MA fishing sch. *John F. Wonson* lost, Brown's Bk. -- 10
1886 -- Nov 17-18, schooner *Lucerne* wrecks off Chequamegon Pt., WI, L. Sup.¹⁶⁶⁶-- 10
1394. 1887 -- July-Oct, bark *Isabel*, Rockland, ME to Pensacola, FL, lost at sea -- 10

¹⁶⁶⁵ Listed in that several sources (McNeil, Swayze, newspapers at time) report ten or eleven deaths (all aboard). The *Great Lakes & Seaway Shipping News Archive*, however, notes that crew was rescued by the schooner *Guide*.

¹⁶⁶⁶ Included in our coverage of Nov 15-18, 1886 Lake Superior and Michigan storm and 39 maritime deaths.

1395. 1890 -- Nov 24, NY steam-yacht *F.L. Norton*, leaves New London for France, lost-- 10
 1396. 1893 -- Aug 24, schooner *Empire State* sinks in storm off Barnegat, NY -- 10
 1397. 1895 -- Apr 22, storm, Rappahannock Riv., Middlesex Co., Burham's Wharf, VA -- 10
 1398. 1896 -- May 10, stmr. *Harry Brown*, boiler explos., MS Riv. ~Ursina Landing, MS-- 10
 1399. 1899 -- Mar 07, steamer *James Bowen* founders (sinks) off Hog Island, VA -- 10
 1400. 1899 -- Apr 04, *Chilkat* wrecks in "Heavy Sea," Humboldt Bay Bar, CA -- 10

MARITIME Events – Master Set – By Mortality:

1401. 1901 -- May 12, *City of Paducah* snags/sinks, MS River, ~Brunkhorst Landing, IL--6-≤10
 1402. 1902 -- Oct 13, storm, *C.B. Lockwood*, lifeboat lost, Lake Erie, off Fairport Harbor, OH-- 10
 1403. 1902 -- Dec 05, schooner *Wesley M. Oler* founders off Hatteras Inlet, NC -- 10
 1404. 1906 -- Apr 13, battleship USS *Kearsarge* turret powder fire off Cape Cruz Cuba -- 10
 1405. 1906 -- July 29, capsizes of gas sloop *Nora (9)* & gas launch *Alva B. (1)*, Anglesea, NJ-- 10
 1406. 1907 -- July 15, USS *Georgia* gun turret powder explosion off Cape Cod, MA -- 10
 1407. 1907 -- Oct 22, Gloucester, MA fishing schmr. *Clara G. Silva* loses five dories, storm-- 10
 1408. 1908 -- Jan 8, SF schmr. *John F. Miller* grounds, gale, East Anchor Cove, Unimak Isl., AK-10
 1409. 1908 -- Jan/Feb, Gloucester fishing schooner *Northern Eagle*, lost, Gulf of Mexico-- 9-10
 1410. 1908 -- July 24, bark *Auburndale* lost from Turks Island (Carib.) to Philadelphia PA-- 10
 1411. 1909 -- Jan 25, schooner *William C. Tanner* lost, Rockport, MA to Key West, FL -- 10
 1412. 1909 -- Dec 23, schooner *Susie M. Plummer* abandoned, Cape Flattery, WA -- 10
 1413. 1910 -- Jan 22, schooner *Henry B. Fiske of Boston*, capsizes off Nantucket, MA -- 8-10
 1414. 1911 -- Jan 21~, Gloucester sch. *Ella M. Goodwin* departs Bay of Islands, NFL, lost-- 10
 1415. 1911 -- Aug 26, schooner *Margaret A. May* founders, Kiawah Island, SC -- 10
 1416. 1912 -- Feb 29, steamer *J.E. Trudeau* burns, Belle River, LA -- 10
 1417. 1912 -- Mar 15, Gloucester schooner *Patrician* founders, Jordan Bay, Nova Scotia-- 10
 1418. 1912 -- Dec 15, schooner *S.O. Co. No. 87* founders, Gulf of Mexico -- 10
 1419. 1913 -- June 28, raft ferry sinks, drownings, Kiskiminetas Riv., near Leechburg, PA-- 10
 1420. 1913 -- Dec 26, barges *A.G. Ropes & Undaunted* founder, off Barnegat, NJ -- 10
 1421. 1915 -- Apr 03, *Cumberland*, two barges wreck in storm, Cape Henlopen, DE -- 10
 1422. 1915 -- Apr 05, gale, schr. *John B. Manning* found bottom-up 20m N, Hatteras NC-- 10
 1423. 1920 -- Feb 19, schooner *Henry W. Cramp* lost, Norfolk VA to Dominican Rep. -- 10
 1424. 1921 -- Nov 21, storm, tug *Sea Eagle* hit by large wave, capsizes, ~Yaquina, OR -- 9-10
 1425. 1923 -- Apr 6, steamer *John Dwight* sinks, suspected rum runner, Vineyard Sound, MA--8-10
 1426. 1923 -- Dec 13, steam sch. *C.A. Smith* grounds, North Jetty, Coos Bay Harbor, OR-- ~10
 1427. 1924 -- July 05, ship *Three Rivers* fire, Chesapeake Bay, Cove Point, MD -- 10
 1428. 1929 -- Oct 31, fog, steamers collide, *Senator* sinks, Lake MI, off Port Washington, WI-7-10
 1429. 1930 -- Sep 01, Seattle halibut schooner *Orient* hit by freighter ~Vancouver Isl., B.C.--10
 1430. 1941 -- Dec 19, US freighter *Prusa* sunk by Japanese sub ~150-300M so. of Honolulu-10
 1431. 1942 -- Jan 8, Army minelayer *General Richard Arnold* capsizes, storm off Isles of Shoals, NH-10
 1432. 1942 -- Mar 07, merchant marine *Independence Hall* hits reef/sinks off Sable Isl., NS--10
 1433. 1942 -- Mar 12, US freighter *Texan* sunk by U-boat off NE Cuba near Puerto Padre-- 10
 1434. 1942 -- Apr 05, US tanker *Byron D. Benson* sunk by U-boat 7.5M off Currituck Inlet, NC- 10
 1435. 1942 -- Apr 11, tanker *Harry F. Sinclair Jr.* torpedoed by U-boat ~7M so. Cape Lookout, NC-10
 1436. 1942 -- Apr 26, US freighter *Alcoa Partner* sunk by U-boat, Caribbean ~80m NNE of Bonaire-- 10
 1437. 1942 -- July 3, freighter *Alexander Macomb* sunk by U-boat ~175m east of Cape Cod, MA-10

1438. 1942 -- Sep 16, US freighter *Commercial Trader* sunk by U-boat ~75M east of Trinidad-- 10
 1439. 1943 -- Jan 9, US freighter *Birmingham City* sunk by U-boat, So. Atlantic 100m NE of Paramaribo-10
 1440. 1943 -- Apr 19, cabin cruiser *Legionnaire* sinks, South Bay, off Long Island, NY -- 10
 1441. 1943 -- Nov 23, US tanker *Elizabeth Kellogg* sunk by U-boat ~150m NW of Cristobal, Panama-10
 1442. 1943 -- Dec 3, US tanker *Touchet* sunk by U-boat, Gulf of MX, So. of Pensacola/W. of Naples, FL- 10
 1443. 1944 -- Oct 29, US freighter *John A Johnson* torpedoed by Japanese sub, Pacific; crew shot-10
 1444. 1945 -- Jan 02, Sun Oil tanker *Sunoco* fire and explosion, off Sandy Hook, NJ -- 10
 1445. 1946 -- Sep 4, US freighter *David Caldwell* grounds, storm, Gironde Estuary, SW France-10
 1446. 1950 -- Apr 7-8, New Bedford MA scallop dragger *Four Sisters* lost E of Nantucket MA--all 10
 1447. 1952 -- May 25, tankers *A. C. Dodge* and *Michael* collide, explos./fire, Delaware Riv., DE--10
 1448. 1957 -- Jan 29, tanker SS *Jeanny* vapor explosions, Todds shipyard, Alameda, CA¹⁶⁶⁷--10
 1449. 1957 -- Mar 6, USN tanker *Mission San Francisco & Elna II* collide, explosion, Delaware Riv. DE--10
 1450. 1960 -- Oct 22, SS *Alcoa Corsair* (10) & MV *Lorenzo Marcello* collide, MS Riv. mouth LA--10
 1451. 1962 -- Mar 5-9, Nor'easter, fishing trawlers *Sonya* and *Karina T./9*, tanker *Gem/1*-- 10
 1452. 1965 -- May 7, ships collide, fog,, *Cedarville* sinks, Lake Huron, Mackinac Straits, MI-10
 1453. 1972 -- Nov 7, freighter hits Sidney Lanier Bridge, span collapses/cars fall, Brunswick GA-10
 1454. 1978 -- Dec 10, MV *Holo Holo* (Univ. of HI) sinks, rough seas west of Kawaihae, HI--10
 1455. 1979 -- Dec 05, Canadian gillnet fishing boat *Salinta* found ashore at Tree Point, AK-- 10
 1456. 1981 -- Nov 30, scallop trawler *St. Patrick* toppled by wave, abandoned, 5m E Marmot Isl., AK--10
 1457. 1987 -- Feb 5, fishing vessel *Fish-n-Fool* (LA, CA) capsizes ~Isla De San Martin, MX--10
 1458. 2017 -- Aug 21, USS *John S. McCain* collision/merchant ship *Alnic MC* ~Singapore-- 10

Sampling of other **MARITIME** Events With Loss-of-Life of 6-9:

- 1893 -- Aug 03, steamer *Rachel* sinks, Lake George, near Fourteen Mile Island Hotel, NY-- 9
 1903 -- Sep 11, hurricane, British steamer *Inchulva* grounds and breaks-up, Delray Beach, FL-- 9
 1929 -- July 28, speedboats *Zipper* and *Miss Thriller* collide at night, W. Okoboji Lake, IA-- 9
 1957 -- June 27, Hurricane Audrey, fishing schooner *Keturah* down off Galveston coast -- 9
 1969 -- May 25, CA racing schooner yacht *Goodwill* wrecks on reef off Baja CA, MX -- 9

 2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX -- 8

 1908 -- Sep 01, drownings, sloop capsizes in squall, Penobscot Bay off Deer Isle, ME -- 7

 1891 -- Oct 22, gale, fishing schooner *Red Wing* breaks in surf, ~Indian River Inlet, DE -- 6
 1964 -- May 23-24, boat capsizes, Fontenelle Reservoir, Lincoln County, SW WY -- all 6
 1991 -- Oct 28-Nov 1, Perfect Storm Nor'easter, East Coast, *Andrea Gail* lost at sea -- 6

 1960 -- Aug 12, engineering room flash fire, minesweeper USS *Exultant* off Savannah GA-- 5

¹⁶⁶⁷ Cross-listed under Explosions

MARITIME Events – **Master Set** -- **Deadliest American** -- **CHRONOLOGICAL**

1. 1635 -- Aug 14/15, pinnace *Watch and Wait* wrecks in storm, Thacher Island, MA -- 21
2. 1700 -- Sep 14, hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC¹⁶⁶⁸ -- ~100
3. 1705 -- Dec 19-21, privateer *Castle Del Rey*, grounds/breaks-up, Sandy Hook, NJ -- 132
4. 1715 -- July 31, Hurricane, Spanish ships ground, Fort Pierce-Wabasso Beach, FL --1,000
5. 1716 -- Five Gloucester MA Fishing Vessels Lost, Voyage to Cape Sable -- ~ 20
6. 1766 -- Mar, storm, 7 Gloucester MA Fishing Boats Sink, Grand Banks -- ~40
7. 1771 -- Early, *Beaver 2nd* lost on Lake Erie near Sandusky, OH -- 17
8. 1777 -- Privateer *The Gloucester* Lost, out of Gloucester, MA -- ~60
9. 1778 -- Privateer General Arnold (81) and sloop General Stark (20) ground in gale, MA--101
10. 1780 -- American sailing ship *Watt* wrecks on Long Island, NY -- 26
11. 1781 -- Mar 18, gale, Continental Sloop *Saratoga* lost off Bahamas (also in hurricanes)-- ~86
12. 1785 -- Sep 02, Immigrant Ship *Faithful Steward* Grounds, Coast of DE¹⁶⁶⁹ -- >200
13. 1786 -- Dec 5, Gale, sloop grounds, Lovell's Isl., Brig at Pt. Shirley, Boston Harbor, MA--18
14. 1787 -- Dec, last week; crewmen from previously captured Maine sloop *Squirrel* murdered by Algerians--11
15. 1792 -- July 01, storm or tornado, Philadelphia and NYC, boaters drown -- ~40
16. 1797 -- Sep 08, gale, slave ship *General Nichols* founders off FL/GA coastal border -- 132
17. 1797 -- Oct 18, storm, schooner *Flying Fish* knocked over, 7 drown inside, 4 later, off GA-- 11
18. 1798 -- Nov 17-21, New England blizzard and maritime storm¹⁶⁷⁰ -- >25
19. 1799 -- sixty Native Alaskan bidarka's lost in storm, Hinchinbrook Entrance, S.C. AK-- 200
20. 1799 -- June-Jul, frigate USS *General Greene*, yellow fever, Cuba to Portsmouth NH¹⁶⁷¹-- >20
21. 1799 -- Nov-Feb 1880, ship USS *Delaware*, yellow fever, Curacao, Caribbean¹⁶⁷² -- 20
22. 1800 -- Feb 01, U.S. frigate *Constellation* engagement with French *La Vengeance*¹⁶⁷³ -- 160
23. 1800 -- ~Sep, Revenue Cutter brig USS *Pickering* lost, gale/hurricane off FL¹⁶⁷⁴ --70-105
24. 1800 -- Sep 20 (after), USS *Insurgent* disappears after leaving Hampton Roads, VA -- 340
25. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA¹⁶⁷⁵-- 14
26. 1803 -- March, massacre, crew of American ship *Boston*, Nootka, Vancouver Isl.¹⁶⁷⁶ -- 25
27. 1804 -- Sep 7-9, GA and SC Hurricane (>500 deaths land and sea)¹⁶⁷⁷ -- >30

¹⁶⁶⁸ Cross-listed in Hurricanes.

¹⁶⁶⁹ Cross-listed in Hurricane, though there is some question that the hurricane was the primary factor.

¹⁶⁷⁰ There was a larger loss of life, but we do not know the number. David Ludlum writes in *Early American winters 1604-1820* (p. 75) that "hundreds" died in this storm and that the bodies of at least 25 sailors were pulled from wrecked ships on Cape Cod alone. He also notes that at least seven ships were lost near Cape Cod with all aboard.

¹⁶⁷¹ There were at least 1,335 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

¹⁶⁷² There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

¹⁶⁷³ Cross-listed in Violence-Attack.

¹⁶⁷⁴ Cross-listed in Hurricanes.

¹⁶⁷⁵ Cross-listed under winter Storms.

¹⁶⁷⁶ Cross-listed in Violence – Massacres of Whites by Natives.

28. 1804 -- Oct 9, “winter” storm (“hurricane”), New England, especially coast of MA¹⁶⁷⁸-- ≥31
 29. 1806 -- Aug 21-24, Hurricane, Carolinas coastal/maritime, *Rose in Bloom* upset, NJ¹⁶⁷⁹-- 37
 30. 1807 -- July, South Ferry scow Sinks, Hudson River, Albany, NY -- 33
 31. 1807 -- July 11, Schooner *Charles*, Wrecks on Reef, fog, west of Portland Light, ME¹⁶⁸⁰-- 16

MARITIME Events – **Master Set** -- Deadliest American – **CHRONOLOGICAL** (cont.)

32. 1810 -- Sep 11, USN *Gun Boat # 159* sinks in gale in Chesapeake Bay -- 13
 33. 1811 -- Mar 22/23, American ship *Tonquin* crew drown trying to sound Columbia Bar, OR-- 8-10
 34. 1811 -- Oct 05, gale/hurricane, USS gun boat *No. 2* sinks, off St. Mary’s, GA -- 34
 35. 1811 -- Dec 16-Feb 07, 1812, New Madrid Earthquakes, Mississippi River boats -- ~200
 36. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY -- ~20
 37. 1813 -- Aug 8, schooners USS *Hamilton & Scourge* capsize, Lake Ontario squall ~Niagara Riv., NY- >80
 38. 1813 -- Sep 16, hurricane/gale, US Navy *Gun Boat No. 164* sinks, St. Marys, GA -- 20
 39. 1814 -- June 30, tornado, schooner USS *Alligator* sinks, Port Royal Sound, SC¹⁶⁸¹ -- 23
 40. 1815 -- Jan 23, Portland Maine Privateer *Dash* lost in squall, George’s Bank area --54-66
 41. 1815 -- Aug 08, last sighting of Sloop-of-War USS *Epervier*, lost, Atlantic Ocean -- 134
 42. 1816 -- June 09, steamboat *Washington* explosion, Point Harmar, OH -- ~10
 43. 1817 -- May 04, steamer *Constitution* boiler explosion, MS River, Point Coupee, LA --10-30
 44. 1819 --Jul 27, hurricane, U.S. *Firebrand* grounds, ‘The Square Handkerchief,’ MS¹⁶⁸²--39-41
45. 1820 -- Jan 11, last sighting of schooner USS *Lynx*, St. Marys, GA to Jamaica -- 50
 46. 1820 -- Mar 06, USN chartered schooner *Quaker* sinks in gale, Chesapeake Bay --41-46
 47. 1820 -- Mar 20, steamboat *Buffalo* explosion, Owensboro, KY -- 17
48. 1821 -- Sep 17, schooner *Washington* strands, hurricane, Bay St. Louis, MS¹⁶⁸³ -- ~20
 49. 1821 -- Oct 25, *Sea Fox* capsizes, storm, same day as sailing from NYC, NY -- 12
50. 1822 -- May 8-July 24,¹⁶⁸⁴ yellow fever, U.S. Frigate *Macedonian*, Caribbean -- 101
 51. 1822 -- July-Aug, yellow fever, U.S. Brig *Enterprise*; Caribbean to NYC & at NYC -- 19
 52. 1822 -- Oct 27, ship *Savannah* grounds and breaks-up near Fire Island, L.I., NY -- 11
53. 1823 -- Feb 08, steamboat *Tennessee* snags, Mississippi River, near Natchez, MS -- 60

¹⁶⁷⁷ It is not known how many lives were lost from various forms of watercraft on or near coastal waters and rivers of GA and SC. Our 30 figure comes from attempt to estimate lives lost from five craft: brig *Consolation*, and schooners *Favourite*, *Liberty* (all hands lost) *Patsy*, and *Traveller* (all hands lost) Mishaps (during what has been referred to as an “extreme” coastal hurricane) of numerous other vessels are mentioned in the press at the time and reporting since, but generally without reference to lives lost per craft, or in total.

¹⁶⁷⁸ Cross-listed in winter Storms in that this was a coastal severe snow storm and a significant drop of temperature. One additional life was lost on shore when part of one building was blown down through the roof of another.

¹⁶⁷⁹ Cross-listed in Hurricanes. Majority of deaths were maritime (21 from *Rose In Bloom* alone). Sources note 42 total deaths of which we have seen notes concerning only five on land in the Wilmington, NC vicinity. Thus we surmise, for purposes of positioning in a tally, that something like (or approximately) 37 were maritime.

¹⁶⁸⁰ Cross-listed in Fog as a Contributing Condition

¹⁶⁸¹ Cross-listed in Tornadoes.

¹⁶⁸² Cross-listed under Hurricane.

¹⁶⁸³ Cross-listed in Hurricanes (subset of 35 total fatalities).

¹⁶⁸⁴ The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.

MARITIME Events—**Master Set** -- **Deadliest American** – **CHRONOLOGICAL** (continued):

54. 1824 -- May 15 steamer *Aetna* boiler explosion, New York Harbor, NY --10-13
55. 1824 -- Oct 28, schooner USS *Wildcat* founders, Gale, Cuba to Thompson's Isl. W.I. -- ~31
56. 1825 -- May 05, steamer *Teche*, explos. MS Riv., St. Catherines Creek, ~Natchez MS --15-60
57. 1828 -- May 14, *Car of Commerce* boiler explosion, Miss. River, Canadian Reach, AR-- 30
58. 1829-30 -- brig *Kamehameha* lost, left Honolulu HI, Dec 2, for Erromango Island --250~300
59. 1829 -- Mar 10, British brig *William and Ann* lost (grounded) on Clatsop Spit, OR --26-29
60. 1829 -- June 04, steam frigate *Fulton*, magazine explos., Navy Yard, Brooklyn, NY¹⁶⁸⁵--24-40
61. 1829 -- Sep 29, brig USS *Hornet* disappears, gale off Tampico, Caribbean -- 145
62. 1830 -- Feb 24, steamboat *Helen McGregor* boiler explosion, Miss riv., Memphis, TN--33-60
63. 1830 -- Apr 01, *Tri-Color* explosion, Ohio River, Wheeling, WV -- 15
64. 1830 -- Apr 18, stmr. *Caledonia* boiler explosion,, MS Riv., ~9m below New Madrid, MO --10-11
65. 1830 -- Apr 22, steamer *Chief Justice Marshall* boiler explosion, Hudson River, NY -- 15
66. 1830 -- Sep 16 or 17, sidewheel *William Peacock* steam pipe breaks, Lake Erie ~Buffalo NY-15
67. 1831 -- May 14, steamboat *Coosa* sinks, collision with *Huntress*, ~Caruthersville, MO-- 13
68. 1831 -- June 9, *General Jackson* explosion, Hudson River, Grassy Point, NY -- 12
69. 1831 -- July-Aug, schooner USS *Sylph* lost after leaving Pensacola, FL -- 13
70. 1832 -- Apr 9, steamer *Brandywine* burns, Mississippi River, Brandywine Island, AR-60-155
71. 1832 -- June 2, steamer *Hornet* capsizes, storm, Ohio River, Maysville, KY -- 20
72. 1832 -- Oct 5, schooner *Eliza Whittlesey* capsizes, squall, Lake Erie off Ashtabula, OH-- 10
73. 1832 -- Nov-Dec (especially), cholera, East Coast, Mississippi and Ohio river boats¹⁶⁸⁶-->95
74. 1833 -- June-July (esp.), cholera, esp. brig *Ajax*, steamers *Chester & Tobacco Plant*¹⁶⁸⁷-- ≥190
75. 1833 -- Late Oct/early Nov, steamship *Caspian* burns, near Mouth of Red River, MS -- 40
76. 1833 -- May 19, St. *Lioness* fire/gunpowder explosion, Red River, Montgomery, LA --14-16
77. 1833 -- June 7, steamer *Peruvian* boiler explosion, Miss. River, ~New Orleans LA¹⁶⁸⁸--50-60
78. 1833 -- Oct 16, steamer *New England* boiler Explosion, CT River, Essex, CT --13-20
79. 1833 -- Oct 31, steamer *St. Martin* burns, Mississippi River, Donaldsonville, LA --30-40

¹⁶⁸⁵ Cross-listed in Explosions.

¹⁶⁸⁶ Do not know actual number. Speculate many more than those represented herein concerning 8 steamboats and one brig: Brig *Amelia*, NY to SC (20); from MS and OH Rivers, Steamers *Chief Justice Marshall* (36), *Constitution* (7), *Experiment* (1); *Express* (1); *Gallipolis* (4); *Freedom* (13); two unnamed steamboats (1 each).

¹⁶⁸⁷ Brig *Ajax* had about 50 fatalities after leaving New Orleans, most after Key West arrival. Steamer *Chester* had about 100 deaths among troops and Swiss immigrants after leaving New Orleans for St. Louis. Steamer *Tobacco Plant* lost 17 people after leaving New Orleans for Louisville in April. Steamer *Reindeer* lost six on Arkansas Riv. in July. We postulate that many more died of cholera on river steamboats than we note.

¹⁶⁸⁸ One report states that there was a boiler explosion above New Orleans, another that it happened in Natchez MS, one which does not indicate location other than MS River between New Orleans and Louisville, and one which states that the explosion did not occur.

80. 1833 -- Nov, steamship *Caspian* burns, near Mouth of Red River, LA --25-40
 81. 1833 -- Nov 08, steamer *Illinois* boiler explosion, Mississippi River, near Cairo, IL -- 13

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

82. 1834 -- cholera, steamboats *Champion* (8), *Chicago* (2), and *Kentuckian* (18) -- 29
 83. 1834 -- Apr 12, steamer *St. Louis* boiler explosion, Des Moines Rapids, IA -- 14
 84. 1834 -- Oct 24, stmr. *Missouri Belle* sinks, collision (*Boonslick*), ~Kenner & N.O., LA-- 30
85. 1835 -- May 15, steamboat *Majestic* boiler collapse and explosion, Memphis TN --38-40
 86. 1835 -- Oct 01, steamer *Carrollton* explosion, Baton Rouge, LA -- 8-15
 87. 1835 -- Dec 02, *Lady Franklin* sinks, hit by *Portsmouth*, OH Ri., 2m ~Owensboro KY -15-18
88. 1836 -- Mar 13, steamboat *Ben Franklin* boiler explosion near wharf, Mobile, AL --13-30
 89. 1836 -- June 09, steamboat *Rob Roy* boiler explosion, Miss. River, near Columbia, AR-- 17
 90. 1836 -- Aug 09, steamer *Motto* boiler explosion, Blennerhasset's Island, OH Riv., WV-- 12
 91. 1836 -- Oct 25, steamer *Royal Tar* burns/sinks off Fox Island, Penobscot Bay, ME -- 32
 92. 1836 -- ~Oct, steamer *Nicholas Biddle* boiler explosion, below Memphis, TN --13-15
 93. 1836 -- Nov 21/22, storm, U.S. ship *Bristol* wrecks, Far Rockaway Beach, Long Isl., NY--64-89
 94. 1836 -- Dec 19, schooner *Dolphin* boiler explosion, off St. Johns Bar, FL -- 15
95. 1837 -- Jan 02, barque *Mexico* grounds, Hempstead Beach, So. Shore Long Island, NY-- 116
 96. 1837 -- Mar 17, steamboat *Tiskilwa* hit by the *Wisconsin*, near mouth Ill. River, IL --10-20
 97. 1837 -- May 08, steamer *Ben Sherrod* fire/explosions, MS River, Fort Adams, MS --120-175
 98. 1837 -- June 19, steamboat *Crusader* boiler explosion, Rabbit Island, LA -- ~10
 99. 1837 -- July 28, sidewheel steamboat *Chariton* boiler explosion, St. Louis, MO -- 12
 100. 1837 -- Apr, Georges Bank gale, three fishing boats lost, out of Gloucester, MA -- 24
 101. 1837 -- Aug 6, hurricane, St. Augustine-Charleston schmr. *S.S. Mills* sinks off Jekyll Island, GA-14
 102. 1837 -- Aug 15, steamer *Dubuque* boiler explosion, Miss. River, Muscatine Bar, IA --16-27
 103. 1837 -- Oct 09, sidewheeler *Home* grounds, Racer's hurricane, Ocracoke Island, NC-90-100
 104. 1837 -- Oct 31, *Monmouth & Tremont* collide, MS River, Prophet Island Bend, LA-234-400
 105. 1837 -- Dec 27, *Black Hawk* boiler explosion/fire, MS River, Black Hawk Pt., LA --30-50
106. 1838 -- barque *Edward Quesnel* wrecks on Nepeague Beach, Long Island, NY --10-12
 107. 1838 -- Apr 21, steamer *Oronoko* flue collapse/explos., MS River, Princeton MS --100-130
 108. 1838 -- Apr 25, steamboat *Moselle* boiler explosion & fire, near Cincinnati, OH --81-200
 109. 1838 -- Jun 14, sidewheel *Pulaski* boiler explodes/sinks SE of New River Inlet, NC-95-141
 110. 1838 -- June 16, stmr. *George Washington* (2d) burns, Lake Erie, ~Silver Creek, NY- 30-50
 111. 1838 -- Sep 07, sloops *Alabama*, *Dread*, *Caution* wreck, storm, near Cape Flor., FL¹⁶⁸⁹ >20
 112. 1838 -- Nov 19, Drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
 113. 1838 -- Nov 25, stmr. *General Brown* boiler explosion, Miss. River, Helena, AR --30-60
 114. 1838 -- Dec 3, stmr. *Augusta* boiler explosion, Miss. River ~11m north of Natchez, MS--10
115. 1839 -- May 06, *George Collier* steam escape, Miss. River at Red River mouth, LA --26-30
 116. 1839 -- May 08, last seen, schooner *USS Sea Gull*, Tierra del Fuego to Valparaiso -- 15

¹⁶⁸⁹ Subset of Sep 7, 1838 Hurricane near Cape Florida, FL taking 38 lives in total.

117. 1839 -- Late summer or fall, steamboat *Corsair*, yellow fever, Mississippi River -- 15
 118. 1839 -- Aug 13, storm, Austrian brig *Terasto* (Perasto?) grounds, Long Beach Island NJ--13-14
 119. 1839 -- Nov 18, *The Wilmington* boiler explosion, Miss. River, near Arkansas. River-- 10
 120. 1839 -- Nov 25, brig *Neptune* grounds, Lake Michigan gale, Little Sable Point, MI -- 17
 121. 1839 -- Dec 15, winter gale, maritime losses, MA coast/harbors, esp. Gloucester, MA --67-90
 122. 1839 -- Dec 22-23, gale, maritime losses (*Henry*/3-5, *Lloyd*/9, *Pocahontas*/13), esp. MA- 24-27

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

123. 1840 -- Jan 13, steamer *Lexington* fire/sinks, Long Island Sound, NY --118-156
 124. 1840 -- Mar 25, brig *Escambia* founders betw. Frying Pan Shoals/Cape Lookout, NC-12-15
 125. 1840 -- Apr 25, *Bedford* snags near mouth MO Riv. ~Mobile Isl./Cora Isl. Chute, MO-- 15
 126. 1840 -- May 07, tornado, steamboat *Hinds* sunk, Natchez, MS¹⁶⁹⁰ -- 51
 127. 1840 -- May 10, schooner *Keola* sinks after ballast shifts, off Kahoolawe, Hawaii --26-36
 128. 1840 -- Nov 07, steamboat *Persian* boiler flue collapse, MS Riv., near Napoleon, AR-- ≥25
 129. 1840 -- Dec 12, steamboat *Cherokee* explosion,, Arkansas. River, Lewisburg, AR -- 17
130. 1841 -- steamer *Carolina* snags, Mississippi River, Osceola, AR -- 34
 131. 1841 -- Feb 13, sidewheel *Lamplighter* shaft breaks, sinks in storm, off Dog Island, FL-- 19
 132. 1841 -- Feb 22, fire, steamer *Creole*, Miss. River, Torras, near Red River mouth, LA-12-36
 133. 1841 -- Mar 11, steamer *President* sails from New York, not heard from again -- 136
 134. 1841 -- Aug 9, steamer *Erie* explosion/fire, sinks, Lake Erie off Silver Creek NY--100-200
 135. 1841 -- Aug 12, steamer *Louisiana* boiler explosion, Miss. River, ~Bayou Sara, LA --20-23
 136. 1841 -- Aug 29, steamboat *Keokuk* snags, Miss. River, St. Genevieve Island, MO --11-13
 137. 1841 -- Sep-Oct. yellow fever, crew of the USS *Levant*, at Pensacola, FL -- 11
 138. 1841 -- Oct 23? schooner *Post Boy* lost/powder explos./gale?, Lake MI, 15m off Kalamazoo, MI--10
 139. 1841 -- Oct 25, pilot boat, then *William Gaston* yawl, capsize, Indian River Bar, FL -- 14
140. 1842 -- Feb 19, steam towboat *Mohican* boiler explos., MS River, New Orleans, LA-10-14
 141. 1842 -- Feb 25, steamboat *North Star* boiler explosion and fire, Tuscaloosa, AL --15-16
 142. 1842 -- Apr 04, launch from U.S. steam frigate *Missouri* sinks, Potomac River -- 16
 143. 1842 -- Apr 14, steamer *Medora* boiler explosion, Baltimore Harbor, MD -- 28
 144. 1842 -- May 06, Sail boat *Polka* tips/sinks, off Thompson's Island, Mass Bay, MA -- 25
 145. 1842 -- Jul 03, steamboat *Edna* boiler explosion, near mouth of MO River, MO -- 55
 146. 1842 -- Oct 08, *S.B. Eliza* snags/sinks, MS Ri. ~5m above mouth OH Ri, IL shore --30-40
 147. 1842 -- Nov 15-18, Great Lakes storm, maritime losses, especially Lake Erie -- >65
 -- 8 *Brandywine* (schooner), aground, 15 Nov 1842.
 -- 6 *Caroline* (schooner), sunk?, 18 Nov 1842.
 -- 6 *Detroit* (schooner), aground, 11-15-1842." Lake Erie off Ontario Province, Can.
 -- 1 *Edwin Jenny* (schooner), aground, 15 Nov 1842." Lake Erie, Canadian shore.
 -- 8 *Emily* (schooner), lost, 18 Nov 1842." Capsized off Long Point, Can., Lake Erie.
 -- 9 *Jefferson* (schooner), aground, 11-18-1842." Grounded, Buffalo, NY, Lake Erie.
 -- 2 *Jena* (schooner). Out of Detroit, lost two men off Grand River, Lake Michigan.
 -- 6 *Liguire* (schooner), aground, 11-15-1842." Point Abino, Canada side, Lake Erie.
 -- 2 *Merchant* (schooner), rudder damaged, 11-15-1842. Fairport Hbr., NY, Lake Erie.

¹⁶⁹⁰ Cross-listed in Tornado. 586 people estimated to have been killed due to this tornado.

- 10 *Milwaukie* (Ship), aground, 18 Nov 1842. Near Kalamazoo Riv., mouth, Lake MI.
 -- 7 *N. Hubbard* (schooner), aground, 15 Nov 1842." Off Conneaut OH, Lake Erie.
 148. 1842 -- Nov 30, coastal storm, *Isadore* lost, Cape Neddock ME, also MA and NH --28-30

MARITIME events – **Master Set** --Deadliest American -- **CHRONOLOGICAL** (continued)

149. 1843 -- Mar ~15, USS *Grampus* lost, presumably gale off Charleston, SC -- 25
 150. 1843 -- Mar 17, steamboat *Cutter* flue collapse, Pittsburgh, PA -- 15
 151. 1843 -- Aug, Gloucester MA fishing schooner *The Byron* lost, "South Channel" -- 10
 152. 1843 -- Sep 19, steamboat *Clipper No. 1* boiler explosion, MS Riv., Bayou Sara, LA--30-40
 153. 1843 -- Sep 25, gale, steamer *Sarah Barnes* sinks in Gulf, west of Sabine Pass, TX --17-18

 154. 1844 -- Jan 03, steamboat *Shepherdess* snags/sinks, 3 miles No of St. Louis, MO --57-100
 155. 1844 -- Mar 01, steamers *Buckeye & De Soto* collide, MS River, ~Atchafalaya, LA --50-80
 156. 1844 -- June 19, steamer *Palestine* fire / drownings, above Cairo, IL, OH Riv., KY side--12
 157. 1844 -- Oct 23, steamer *Lucy Walker* boiler explosion, Ohio River ~New Albany, IN--56-80
 158. 1844 -- Dec 14, collision, *Belle of Clarksville/Louisiana*, MS River, ~Memphis, TN-31-36

 159. 1845 -- Feb 8, stmr. *Siren* boiler explodes, Apalachicola Riv., below Chattahoochee, FL-10
 160. 1845 -- Apr 07, steamer *Swallow* grounds, Hudson River, near Athens, NY --15-40
 161. 1845 -- July 01, steamboat *Marquette* boiler explosion, New Orleans, LA --17-30
 162. 1845 -- July 23, steamboat *Big Hatchie* boiler explosion, Missouri Riv., Hermann MO-->35
 163. 1845 -- Aug 12, steamers *London & Kent* (sinks), collision, L. Erie, Pt Pelee, Ont. -- 10
 164. 1845 -- Oct 27, *Plymouth* sinks in collision (*Lady Madison*), OH Riv., Shawneetown IL--25
 165. 1845 -- Dec 11, steamer *Caspian* snags/sinks, Mississippi River, Island No. 25, AR -- 40
 166. 1845 -- Dec 18/19, steamer *Belle Zane* snags/capsizes, MS Riv., Island No. 75, AR --40-76

 167. 1846 -- Feb 13/14, steamers *Congress & Saladin* collide, Miss. Riv. KY Bend, KY --15-30
 168. 1846 -- Feb 14/15, winter snow storm, *John Minturn* and other boats wreck, NJ --50-60
 169. 1846 -- May 27-28, steamer *Queen City* steam pipe bursts, MS River, Natchez, MS --12-17
 170. 1846 -- Jun 27, brig *Sutley*, Pictou N.S. to fall River wrecks, Vineyard Sound, MA -- 30
 171. 1846 -- Sep 05, steamer *New York* founders in storm, about 60 miles off Cameron, LA-- 20
 172. 1846 -- Sep 19, fishing schooners (11) lost, gale, out of Marblehead, MA -- 65
 173. 1846 -- Oct 12, steamer *Colonel Harney* strands, breaks up, mouth of Rio Grande TX-- 15
 174. 1846 -- Nov, Gloucester MA schooners *General Scott, Canton* lost, Georges Bank -- 15
 175. 1846 -- Nov 19, sidewheel *Indian Queen* grounds/breaks, Lake Erie storm, ~Dunkirk NY-20
 176. 1846 -- Nov 19, schooner *Lexington* sinks, Lake Erie storm, off Point Mouillee, MI -- 13
 177. 1846 -- Nov 21, steamers collide, *Maria* sinks, Miss. River, 7M below Natchez MS --30-50
 178. 1846 -- Nov 27, *Atlantic* steam explosion, grounds, reef, gale, ~Fisher's Island, NY -- 42
 179. 1846 -- Dec 08, U.S. Naval brig *Somers* capsizes, storm, off Vera Cruz, Mexico --30-32

 180. 1847 -- Jan 21, stmr. *Phoenix* boiler explos.; *Phoenix/Manchester* deaths; Head of Passes, LA--18
 181. 1847 -- Jan 28, steamer *Tuscaloosa* boiler explosion/fire, Mobile riv., 10M no. of Mobile AL--25
 182. 1847 -- May 06, steamboat *New Hampshire* boiler explos., Ark Riv., Pine Bluff, AR--12-18
 183. 1847 -- June 04 or 05, Steamer *Edna* boiler explosion, Ouachita Riv. Columbia, LA --20-25
 184. 1847 -- June 09, ships collide, steamer *Chesapeake* sinks, Lake Erie, ~Conneaut, OH--8-10

185. 1847 -- June 13~, schooner *Merchant* lost, Lake Superior storm, ~Keweenaw Peninsula MI--14-18
 186. 1847 -- June 29, *Star Spangled Banner* snags/sinks, MS Riv. Thomas's Pt., ~Baton Rouge, LA--20
 187. 1847 -- Nov 19, steamers collide, *Talisman* sinks, Miss. River, Cape Girardeau, MO-- ≥51
 188. 1847 -- Nov 21, fire, steamboat *Phoenix* sinks, Lake Mich., off Sheboygan, WI --160-258
 189. 1847 -- Dec 20, steamer *Westwood* hits bank in fog, boilers explode, below New Orleans LA--12-15
 190. 1847 -- Dec 29 steamer *A. N. Johnston* boiler explosion, Ohio Riv., ~Maysville, KY--60-80

MARITIME Events – **Master Set**--**Deadliest American**--**CHRONOLOGICAL** (continued):

191. 1848 -- Jan 09, *Blue Ridge* boiler explosion, OH Ri., Raccoon Island, ~Gallipolis OH --15-30
 192. 1848 -- Jan 18, steamboat *Yalobusha* burns, Mississippi River, Donaldsonville, LA -- 35
 193. 1848 -- Apr 18 schooner *Tribune* sinks, Lake Michigan gale, off Cathead Point, MI -- 10
 194. 1848 -- May 27, steamer *H. Kenney* boiler explosion, Tombigbee River, AL -- 8-50
 195. 1848 -- May 27, stmr. *Clarksville* burns, MS Riv., ~Isl. 75/Ozark Isl. ~Napoleon, AR-21-41
 196. 1848 -- Aug 12, steamer *Edward Bates* boiler explosion, Miss. River ~Hamburg, IL -- 53
 197. 1848 -- Sep 16, freighter *Goliah* fire/explosion, Lake Huron, east of Point aux Barques, MI--18
 198. 1848 -- Sep 17, steamer *Concordia*, flue/boiler explosion, MS Riv., Plaquemine, LA--28-29
 199. 1848 -- Oct 06, steamer *Piney Woods* burns, near Springfield, LA --15-16
 200. 1848 -- Nov 21, steamer *Wyandotte* snags and sinks, MS River, above Vicksburg MS-- 30
 201. 1848 -- Dec 22, cholera, steamboat *Peytona* arrives at Louisville from New Orleans¹⁶⁹¹ - 50
202. 1849 -- Jan 14, steamer *Richland* boiler explosion, Pee Dee Riv. Britton's Ferry, SC-- 15
 203. 1849 -- Mar 03, steamer *Woodsman*, Mississippi River, Bayou Sara, LA -- 3-16
 204. 1849 -- by Mar 24, cholera, steamboat *Yorktown*, MS Riv. before reaching Cairo IL-- 10
 205. 1849 -- Mar 31, steamer *Virginia* boiler explodes, sinks, Ohio River, Rush Run, OH--14-16
 206. 1849 -- Apr-early May?, cholera, steamer *Weston*, up MO River to Ft. Leavenworth -- 10
 207. 1849 -- Apr 17, *Outward Bound* founders, Lake Mich. Storm, Manitou Passage, MI -- 11
 208. 1849 -- sometime after Apr 21, cholera on steamboat *Mary*, MS Riv. before St. Joseph--50
 209. 1849 -- Early May--May 10, cholera, steamer *Monroe*, St. Louis to Jefferson City¹⁶⁹² --63-70
 210. 1849 -- May 16 (by), steamboat *Winfield Scott*, New Orleans to Louisville, cholera --28-29
 211. 1849 -- May 18, *Empire* & schooner *Noah Brawn* collision, Newburgh Bay, NY -- 24
 212. 1849 -- early June, cholera, steamboat *Uncle Toby*, MS River, ~Quincy to Rock Isl. -- 27
 213. 1849 -- June 09, steamboat *Embassy* flue collapse, Ohio River, Three Mile Bar, KY --14-25
 214. 1849 -- Oct 06, *Levi Woodbury* Gloucester MA Fishing Schooner Lost, Severe Storm-- 10
 215. 1849 -- Nov 9, Bath, ME ship *Hanover*, grounds, gale, mouth Kennebec River, ME --24-26
 216. 1849 -- Nov (early to 15th arrival at St. Louis), steamboat *Constitution*, cholera¹⁶⁹³ --12-17
 217. 1849 -- Nov 15, steamboat *Louisiana* boilers explode, sinks, New Orleans, LA --86-150
218. 1850 -- Jan, steamboat *Dove*, cholera, Ouachita River, AR and LA --30-40

¹⁶⁹¹ McClellan in *History of the Travels of Asiatic cholera...In North America* (1875, p. 611), writes that in addition to these fifty deaths a number of passengers subsequently succumbed to cholera at the Marine Hosp. there.

¹⁶⁹² Counted as well in 1849 cholera listing. We have not yet been able to break out the number of people dying on the *Monroe*, as opposed to those who died from the *Monroe* after landing, and the citizens who were infected with cholera and subsequently died in Jefferson City and in Cole County. Thus, it is conceivable the number dying on the *Monroe* was less than sixty-three. Talked with member of Jefferson City, MO, Historical Society 4-27-2015, who indicated he would seek to research to clarify the fatalities.

¹⁶⁹³ St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.

219. 1850 -- Jan 23, *St. Joseph* boiler explosion, MS Riv., Islands No 80/81 ~Napoleon AR--8-20
 220. 1850 -- Mar 04, steamer *Oline St. John* burns/sinks, Ala. Riv. ~Bridgeport Landing, AL--39-41
 221. 1850 -- Mar 23, steamer *Troy* boiler explosion, ~Lake Erie, Niagara Riv. ~Buffalo NY--18-22
 222. 1850 -- Apr, Gloucester MA fishing schooners *Walter Scott* and *Specie* lost at sea -- 15
 223. 1850 -- Apr, steamer *St. Louis*, from New Orleans to St. Louis, arriving May 1 --12-13
 224. 1850 -- Apr 22, *Belle of the West*, fire/boiler explos.?, OH River, ~Warsaw, KY¹⁶⁹⁴ --34-36
 225. 1850 -- Apr 28, steamer *Cora* snags, sinks, Missouri River, below Council Bluffs, IA-- 15
 226. 1850 -- Apr 28, stmr. *Anthony Wayne* boiler explosion, Lake Erie, ~Vermilion, OH --38-69
 227. 1850 -- May 07, steamboat *Columbus* flue collapse, MS Riv., Island 4 ~Columbus KY-- 15
 228. 1850 -- May 23, steamboat *St. Louis* flue collapse, MS Riv., Jefferson Barracks, MO--10-16
 229. 1850 -- June 17, steamer *G.P. Griffith* fire, Lake Erie, off Chagrin River mouth, OH--250-300
 230. 1850 -- July 31, steamer *America* boiler explosion, Lake Erie, near Barcelona, NY -- 11
 231. 1850 -- Sep 12-17, cholera, steamer *Falcon*, Chagres, Panama to Havana, Cuba¹⁶⁹⁵ --17-18
 1850 -- Sep 20, barque *Emily* from SF, Cal., lost off Cape St. Lucas, Baja, Mex.¹⁶⁹⁶ -- ~198
 232. 1850 -- Oct 05, *Kate Fleming* boiler explosion/fire, Ohio River, Walker's Bar, KY --11-12
 233. 1850 -- Oct 06, *Saint John* emigrant (Irish) ship wrecks, storm, Scituate, MA -- 99
 234. 1850 -- Oct 28-Nov 8, cholera, barque *Splendid*, Sacramento to San Francisco¹⁶⁹⁷ -- 17
 235. 1850 -- Oct 29, steamboat *Sagamore* boiler explosion, Central wharf, San Francisco, CA --30-50
 236. 1850 -- Nov 07, steamboat *Telegraph* boiler explosion, off New Castle, DE -- 15
 237. 1850 -- Nov 21, 25 or 26, steamer *Antoinette Douglas* boiler explosion, AL Riv., AL-- 9-30
 238. 1850 -- Dec 13, steamer-tug *Anglo-Norman* boiler explosion, ~New Orleans, LA --20-100
 239. 1850 -- Dec 17, steamboat *Knoxville* boiler explosion, New Orleans, LA --12-20
 240. 1850 -- Dec 17, steamboat *South America* burns, Miss. River, Morgan's Bend, LA --27-30

MARITIME Events – **Master Set**--Deadliest American-- **CHRONOLOGICAL** (continued):

241. 1851 -- fishing schooner *Burlington* lost -- 13
 242. 1851 -- fishing schooner *Hamilton* lost -- 11
 243. 1851 -- Jan 07, brig *Martha Sanger*, California to NY, wrecks on reef, Caribbean -- 27
 244. 1851 -- Jan 27, steamboat *John Adams* snags/sinks, MS River, above Greenville, MS-- 123
 245. 1851 -- Feb?, steamboat *Arkansas*, Tallapoosa River, Mobile to Wetumpka, AL -- 52
 246. 1851 -- Feb 09, *Autocrat* sinks (*Magnolia* collision) MS Riv., Bayou Goula Bend, LA--~30
 247. 1851 -- Feb 20, sidewheel ferry *St. Louis* boiler explosion, St. Louis, MO -- 20
 248. 1851 -- Mar 02, steamer *Oregon* boiler explosion/fire, Miss. Riv., Island No. 82, AR --20-21
 249. 1851 -- Mar 24, boats collide, *Lowell* sinks, OH Riv., Captina Isl., ~Moundsville, WV-- 15
 250. 1851 -- by Apr 24, cholera, steamboat *Iroquois*, New Orleans to St. Louis, MO -- 12
 251. 1851 -- Apr 10, fishing schooner *Harvest Home* of Newcastle, NH lost -- 10
 252. 1851 -- May 02, steamer *Webster* burns, MS riv., Island no. 86, Kentucky Bend KY--30~40
 253. 1851 -- before June 22, steamer *Grand Turk*, cholera, Mississippi River¹⁶⁹⁸ -- ~25
 254. 1851 -- before June 22, steamer *Pride of the West*, cholera, Mississippi River¹⁶⁹⁹ -- ~25

¹⁶⁹⁴ There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

¹⁶⁹⁵ Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.

¹⁶⁹⁶ Later reports deny this event happened. It is not included in our numbers – listed to show it is nor an oversight.

¹⁶⁹⁷ The last three deaths were on the 8th in a San Francisco hospital after transfer from the boat upon landing on 7th.

¹⁶⁹⁸ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

¹⁶⁹⁹ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

255. 1851 -- June-July?¹⁷⁰⁰ cholera, steamboat *St. Ange*, upon arrival at Fort Pierre, SD -- 13
 256. 1851 -- Aug 20, steamboat *Dacotah* explosion, Peoria, IL -- 11
 257. 1851 -- Sep 21, steamboat *James Jackson* boilers explode, OH Riv., Shawneetown IL-15-23
 258. 1851 -- Sep 29, steamboat *Brilliant* boiler explos., Miss. River, Bayou Goula, LA --27-100
 259. 1851 -- Oct 03-04, storm, New England fishing schooners lost, ~Prince Edward. Isl.-- 166
 260. 1851 -- Oct 24, steamer *Henry Clay* sinks, Lake Erie storm, off Long Point, Ontario --16-19
 261. 1851 -- Nov 27, *Archer* sinks after collision (*Die Vernon*), MS Riv., Enterprise Isl. ~Grafton, IL- 34-41
 262. 1851 -- Nov 29, steamers *Molly Grath & Pontiac No. 2* collide, OH Riv. ~Owensboro, KY--20
 263. 1851 -- Dec 04 or 09, steamboat *Clermont* snags, sinks, White River ~Augusta, AR --20-23

MARITIME Events – **Master Set** -- Deadliest American -- **CHRONOLOGICAL** (cont.)

264. 1852 -- cholera, esp. MS/OH Rivers, Steamers *Midas/17* and *Philadelphia/43* (Atlantic)≥70
 265. 1852 -- Jan 09, steamboat *Magnolia* explodes, St. Simon's Island, GA -- 13
 266. 1852 -- Jan 14, *George Washington* boiler explosion/fire, MS Riv., Grand Gulf, MS --16-20
 267. 1852 -- Jan 14, steamer *Martha Washington* burns, MS Ri., Island #65 ~Jackson Pt.-- 5-10
 268. 1852 -- Jan 25, steamer *De Witt Clinton* snags, sinks, MS Riv. below Memphis, TN --35-40
 269. 1852 -- Jan 31, steamer *General Warren* grounds/wrecks, Columbia River Bar, OR --40-42
 270. 1852 -- Feb 16, *May Queen* flues collapse,, Ark. River, 45m below Little Rock, AR -- 12
 271. 1852 -- Mar, Gloucester MA schrs. *Golden Fleece & C.E. Parkhurst* lost, Georges Bk-- 17
 272. 1852 -- Apr 03, steamboat *Glencoe* boiler explosion and fire, St. Louis, MO --40-62
 273. 1852 -- Apr 03, steamer *Redstone* boiler explosion, Ohio River 3M~ Carrolton, KY --26-40
 274. 1852 -- Apr 09, steamboat *Saluda* boiler explosion, Missouri Riv., Lexington, MO --54-100
 275. 1852 -- Apr 16, steamer *Pocahontas* fire, MS Riv., Isl. No. 78, Choctaw Bend, AR --10-11
 276. 1852 -- Apr 25, steamboat *Prairie State No. 2*, boiler explosion, Pekin, IL -- 20
 277. 1852 -- Apr 26,sSteamers collide, *Chickasaw* sinks,¹⁷⁰¹ OH River, French Islands, KY-- 20
 278. 1852 -- July 05, steamer *St. James* boiler explosion/burns, Lake Pontchartrain, LA --38-40
 279. 1852 -- July 12, *City of Oswego* sinks, collis. *America*, L. Erie ~Willoughby, OH --15-20
 280. 1852 -- July 28, steamer *Henry Clay* burns/sinks, Hudson River, Yonkers, NY --70-90
 281. 1852 -- Aug 20, fog/steamers collide, *Atlantic* sinks, Lake Erie off Long Pt. Ont. -150~300
 282. 1852 -- Aug 22, stmr. *Doctor Franklin No. 2*, flue collapse, Ste. Genevieve, MO -- 32
 283. 1852 -- Aug 22, overcrowded ferryboat capsizes, Hudson River, Albany, NY --10-20
 284. 1852 -- Sep 04, steamboat *Reindeer* boiler explosion, Hudson River ~ Bristol, NY --28-37
 285. 1852 -- Nov 11-12, Cleveland steamer *Oneida* sinks, Lake Erie storm, E off Barcelona, NY-17-19
 286. 1852 -- Nov 12, *Buckeye Belle* boiler explosion, Muskingum Riv., Beverly canal, OH-- 30
 287. 1852 -- Dec 14, steamer *Magnet* boiler explosion, OH River, Grandview Island, WV-- 10
 288. 1852 -- Dec 14, steamers collide, *Western World* rolls over, MS Riv., Princeton Lndg., MS--12

 289. 1853 -- Jan 09, bark *Vandalia* found bottom-up off McKenzies Head ~North Head WA--9-12
 290. 1853 -- Feb 16, steamer *Independence* hits rock/sinks, Margarita Isl., Lower CA --120-172
 291. 1853 -- Feb 16/26, brig *Vintage* sails, Salem, MA for West Coast of Africa, lost -- 10
 292. 1853 -- Mar 23, steamer *Farmer* boiler explosion, was racing, Galveston Bay, TX --32-36
 293. 1853 -- Apr 11, steamship *Jenny Lind* boiler explosion, San Fran. Bay ~Redwood City, CA-33-34

¹⁷⁰⁰ A newspaper report is dated July 29. Another source simply notes that the *St. Ange* brought cholera to Fort Pierre, starting an epidemic which spread to traders, trappers, local Native Americans, and then their neighbors.

¹⁷⁰¹ Collision was with the *W. B. Clifton*.

294. 1853 -- May 15, US (Baltimore built) *Monumental City* grounds, Tullaberga Is. Aus.-32-37
 295. 1853 -- June 20, steamboat *New World* boiler explosion, New York, NY -- 11
 296. 1853 -- Dec 22, steamer *Marlboro/Marlborough* boiler explosion, Charleston SC --14-15
 297. 1853 -- Dec 24-Jan 2, gale, troopship *San Francisco* deck swept away off Carolinas--209-300

MARITIME Events – **Master Set** -- **Deadliest American** -- **CHRONOLOGICAL** (cont.)

298. 1854 -- Jan 09, *General Bem* snags/lost, Arkansas River, Walnut Bend, AR -- 10
 299. 1854 -- Jan 28, steamboat *Georgia* fire (boiler explosion?), Lake Pontchartrain, LA --25-60
 300. 1854 -- Feb, Gloucester, MA fishing schooner *Flight*, lost, Georges Bank -- 12
 301. 1854 -- Feb 16, steamboat *Kate Kearney* boiler explosion, St. Louis, MO -->9-15
 302. 1854 -- Mar 05, steamboat *Caroline* burns White Riv. ~20M from MS Riv. mouth, AR--45-60
 303. 1854 -- Mar 08, schooner *Robert Walsh* lost off Cape Hatteras, NC -- 10
 304. 1854 -- Mar 09, steamer *John L. Avery* snags/sinks, Miss. Riv., Black Hawk Pt., LA --30-90
 305. 1854 -- Mar 13, steamer *Reindeer*, boiler flue collapse, Ohio River, Cannelton, IN --40-46
 306. 1854 -- Mar 27, steamer *Monroe* hits log/sinks, MS Riv., just north of Natchez, MS --17-30
 307. 1854 -- Apr 08, steamer *Gazelle* boiler explosion, Oregon City, OR -- 25
 308. 1854 -- Apr 15, steamer *Secretary* explosion, San Fran. Bay, near San Pablo Bay, CA-- 50
 309. 1854 -- Apr 16, storm, packet ship *Powhatan* grounds/breaks up off Long Beach Isl. NJ -250-311
 310. 1854 -- May 12, steamer *Pike* snags & sinks, Big Eddy, Wilkinson's Landing, MO --10-11
 311. 1854 -- Aug 02, steamboat *Cape May* snags/careens/sinks, Ohio Riv., Mt. Vernon IN--7-18
 312. 1854 -- Aug 26, steamboat *Timour* boilers explode, MO Riv. 3m~Jefferson City, MO --15-20
 313. 1854 -- Sep 12, steamer *Malon* sinks, Ohio River, near Paducah, KY -- 36
 314. 1854 -- Sep 17/18, steamer *Kate Ward* lost, hurricane, Matagorda Bay, TX¹⁷⁰² -- 12
 315. 1854 -- Sep 27, US mail steamer *Arctic* hit by *Vesta*, fog, Cape Race, Newfoundland-315-350
 316. 1854 -- Sep 30, SS *Yankee Blade* capsizes on reef in fog, near Pt. Arguello, CA¹⁷⁰³ --15-30
 317. 1854 -- Oct 06, steamer *Princess* burns, Mississippi River, Fort Adams, MS -- 14
 318. 1854 -- Oct 08, sidewheeler *E.K. Collins* burns, Lake Erie, near mouth of Detroit Riv., MI-- 23
 319. 1854 -- Nov 13, steamer *Bucephalus* sinks, Lake Huron storm, near Bird's Creek, MI-- 10
 320. 1854 -- Nov 13, storm, US immigrant ship *New Era* grounds on bar, Deal Beach, NJ--240-300
 321. 1854 -- Dec 08, stmr. *Westmoreland* sinks/ice-laden, Lake MI storm, Manitou Passage, MI--17
322. 1855 -- Jan 27, steamer *Pearl* boiler explosion, Sacramento River, Marysville, CA --40-80
 323. 1855 -- Mar, Gloucester MA schooners *Reporter* & *Abner L. Colby* lost Georges Bank-- 16
 324. 1855 -- Mar 23, steamboat *Bulletin No. 2* burns, Miss. River, Alsatia-Salem Bend, LA-- 23
 325. 1855 -- Apr 20, propeller *Oregon* boiler explodes/sinks, Detroit River ~Belle Isle, MI-- 12
 326. 1855 -- June 30, steamer *Lexington* boiler explosion/fire, Ohio Riv., ~Stephensport KY--30
 327. 1855 -- Aug 08, bark *L. M. Hubby* capsizes, Lake Michigan off Point Betsie, MI -- 10
 328. 1855 -- Oct 27, propeller *Charter Oak* founders, Lake Erie gale, off Girard, PA --10-11
 329. 1855 -- Nov 03, *Delaware* grounds, Lake Mich. storm, ~8 miles from Sheboygan WI --10-11
330. 1856 -- Jan 23, Amer. steamer *Pacific* leaves Liverpool, sinks, Irish Sea ~Wales¹⁷⁰⁴ -- 186

¹⁷⁰² Cross-listed under Hurricane.

¹⁷⁰³ Cross listed in Fog as a Contributing Factor.

¹⁷⁰⁴ While not on or near U.S. soil, the *Pacific* was a U.S. vessel, built in U.S., and manned with a primarily U.S. crew. Was considered a U.S. disaster at the time.

331. 1856 -- Feb 05, steamer *Belle* boiler explosion, nine miles above Sacramento, CA -- ~30
 332. 1856 -- Mar 15, fire, steam ferry *New Jersey*, Delaware Riv., Philly to Camden, NJ --30-61
 1856 -- Apr 16~ steamers collide, *Northerner* sinks, Lake Huron, off Port Huron, MI¹⁷⁰⁵--1 or 12
 333. 1856 -- July 17, MI steamer *Northern Indiana* burns, Lake Erie, near Pt. Pelee, Ont. --40-58
 334. 1856 -- Aug 10-11~, schooner *Ellen* founders in hurricane, found on Last Island, LA-- ~20
 335. 1856 -- Aug 10-11~, schooner *Exceed* lost, Last Island hurricane, off coast of LA -- ≥12
 336. 1856 -- Aug 10~, hurricane, ship *Manila* (or *Manilla*) grounds Timbalier Isl. LA --10-13
 337. 1856 -- Aug 10-11, steamer *Nautilus* Founders, Hurricane off LA Coast¹⁷⁰⁶ --70-85
 338. 1856 -- Sep 24, sidewheel *Niagara* burns/sinks, Lake Mich., off Port Washington, WI--40-60
 339. 1856 -- Oct 24, stmr. *Toledo* sinks, Lake Michigan storm, off Port Washington, WI --40-61
 340. 1856 -- Oct 29, sidewheel *Superior* grounds, Lake Superior gale, Pictured Rocks MI--34-42
 341. 1856 -- Nov 02, schooner *Le Lyonnais* collision, Nantucket Island, MA --120-260
 342. 1856 -- Nov 04, stmr. *J.W. Brooks* sinks, Lake Ont. gale, ~False Duck Island, Ontario --20-50
 343. 1856 -- Nov 26, schooner *Cherokee* founders, Lake Mich. gale, near Manistee, MI -- 14

MARITIME Events – **Master Set** --Deadliest American -- **CHRONOLOGICAL** (cont.)

344. 1857 -- Feb 21, steamer *Humboldt* sunk by *Belfast*, MS Riv., chute of Island No. 75, MS-- 15
 345. 1857 -- Mar 13, schooner *Kamamalu* sails from Honolulu for Hilo, Lost -- ~70-72
 346. 1857 -- Mar 27, Lake Michigan storm and maritime losses, Chicago, IL -- 15
 347. 1857 -- Mar 30, steamer *Forest Rose* boiler explos., Miss. Riv., near Napoleon, AR --11-14
 348. 1857 -- May 31, steamboat *Louisiana* Burns, Galveston Bay, TX --35-66
 349. 1857 -- Aug 15, steamers collide, *J.N. Harris* sinks, L.I. Sound, ~Falkland Isl., CT --13-15
 350. 1857 -- Sep 12, hurricane, steamer *Central America* sinks, Blake Plateau off Charleston SC--400-427
 351. 1857 -- Oct 15, steamer *Tropic* snagged, Missouri River, near Waverly, MO --10-15
 352. 1857 -- Oct 19, paddlewheel *Reindeer* (Can.) grounds, Lake MI gale, Big Sable Pt., MI--21
 353. 1857 -- Nov 15, steamboats collide, *Opelousas* sinks, Gulf of MX, LA coast ~Berwick Bay LA-18
 354. 1857 -- Nov 18, steamboat *Cataract* mud drum explosion, Missouri Riv., Lisbon, MO --12-15
 355. 1857 -- Nov 18, storm, ~twenty coal boats sink, OH and MS Rivers near Cairo, IL -- ~100
 356. 1857 -- Nov 19? schr. *Radiant/Radiant* sinks, Lake Erie, gale?, bound for Oswego NY-- 10
 357. 1857 -- Nov 21, steamer *Rainbow* burns/sinks, MS Riv., Victoria Bend, Napoleon AR-62-75
358. 1858 -- Jan 28, *Fanny Fern* boiler explosion/fire, OH Riv., near Garrison Creek, KY- 17-20
 359. 1858 -- Feb 04, *Colonel Crossman* boiler explosion, fire, Miss. Riv. ~New Madrid MO-- 14
 360. 1858 -- Feb 17, steamer *Magnolia* boiler explodes, Cape Fear Riv., White Hall, NC --11-20
 361. 1858 -- Feb 20, ship *John Milton* grounds in snowstorm, Montauk, SE Long Island NY--26
 362. 1858 -- Mar 01, steamer *Eliza Battle* fire,¹⁷⁰⁷ Tombigbee R. Kemps Landing ~Demopolis AL--29
 363. 1858 -- Apr 02, steamer *Sultan* fire, Mississippi River, near St. Genevieve, MO -- 23
 364. 1858 -- Apr 22, steamer *Ocean Spray* fire (racing), Miss. River, near St. Louis, MO -- 23
 365. 1858 -- spring, USS *Susquehanna*, yellow fever outbreak, off San Juan, PR -- 46
 366. 1858 -- Jun 13, *Pennsylvania* boiler explos./fire, MS Riv., Ship Isl., Hardin Pt. AR--60-160
 367. 1858 -- Oct, fishing schooner *Village Belle* Lost, out of Gloucester, MA -- 16

¹⁷⁰⁵ We show this only because there were accounts of 12 deaths. Papers at the time note only one death – engineer.

¹⁷⁰⁶ Cross-listed in Hurricane. Francaviglia (*From Sail to Steam...Texas Maritime History*, 1998, 175) dates the loss at Aug 8 off the coast of Texas.

¹⁷⁰⁷ All of the deaths were attributed to exposure to the freezing elements in the river and onshore by U.S. SIS.

368. 1858 -- Dec, Gloucester MA schooner *John Franklin* lost after leaving Prince Ed. II.-- 14

MARITIME Events--**Master Set**--**Deadliest American** -- **CHRONOLOGICAL** (continued):

369. 1859 -- Feb 27, steamer *Princess* boiler explosion/fire, MS River, ~Baton Rouge, LA-- 70
370. 1859 -- Mar 28, steamers *Nathaniel Holmes* & *David Gibson* collide, OH Riv., Petersburg, KY-35-50
371. 1859 -- Apr ~1, storm, Gloucester schrs. *Grace T. Powers* & *Charles E. Grover* lost-- 17
372. 1859 -- Apr 24 steamer *St. Nicholas* boiler explosion/fire, MS Riv., 9m above Helena AR--60
373. 1859 -- Oct 18, propeller *Troy* founders, Lake Huron storm, ~Point aux Barques, MI-- 23
374. 1859 -- Dec 16, ship *Silas Holmes* founders after grounding, Florida Keys vic., FL --32-33
375. 1860 -- Jan 5, steamer *Northerner* hits rock off Centerville Beach, S of Humboldt Bay CA--33-38
376. 1860 -- Feb, Gloucester Ma Sch. *George Washington*, *Advance*, *W.S. Wonson*, *Relief* lost-- 35
377. 1860 -- Mar 06, steamer *Alfred Thomas* Boiler Explosion, Del. River, Easton, PA --10-12
378. 1860 -- Apr 26, steamer *Alfred T. Lacy* fire, Isl. 16, Linwood Bend, MS Riv., ~Booth Pt. TN--16
379. 1860 -- May 09, steamer *R.F. Sass* snags/sinks, Miss. River, Clark's Bar, ~Glover, MS-- 17
380. 1860 -- June 25, steamer *Ben. W. Lewis* boiler explosion/fire, Miss. River, Cairo, IL --23-50
381. 1860 -- Sep 07-08, schooner *St. Mary* founders in Lake Michigan storm --all 11
382. 1860 -- Sep 08, steamer *Lady Elgin* collides with sch., sinks, Lake MI off Winnetka, IL-287~300
383. 1860 -- Sep 17-18, storm, *R. H. Dixie* wrecked, Bay of Mobile, off AL -- 16
384. 1860 -- Sep 18, U.S. Navy Sloop-of-War *Levant* sails SE from Hilo, HI, Lost --150-210
385. 1860 -- Sep 22, *Neptune's Bride*, Gloucester, MA Schooner, Wrecks, Maine -- 12
386. 1860 -- Oct 31, steamer *H.R.W. Hill* boiler explosion, Miss. River, Baton Rouge, LA-- 39
387. 1860 -- Nov 03, steam towboat *Baltic* boiler explosion, Mobile Bay ~Mobile, AL -- ≤20
388. 1860 -- Nov 08, steamer *Globe* boiler explosion, at dock, Chicago River, Chicago, IL-- 15
389. 1860 -- Nov 10, gale, American ship *John Marshall* lost, Strait of Juan de Fuca ~Cape Flattery WA~10-12
390. 1860 -- Nov 24, freighter *Dacotah*, grounds/breaks, Lake Erie storm, near Angola, NY-- 24
391. 1860 -- Nov 24, steamer *Jersey City* grounds, Lake Erie storm, Long Pt., Ontario, Can.-- 17
392. 1861 -- Feb, Gloucester MA schrs. *Sweepstakes*, *Young*, *Stanwood*, *White Swallow* lost--34
393. 1861 -- Feb 28, steamer *Corrine* explosion, McDonoghville, across from NOLA, LA-- 15
394. 1861 -- Nov 02-3, storm, ship *Maritana* wrecks, Egg Rocks ~Boston Light, MA¹⁷⁰⁸ --24-27
395. 1861 -- Nov 9-10~, NY steamer *Keystone State* sinks, Lake Huron gale, off Port Austin, MI--33
396. 1862 -- Jan 01, storm, Gloucester schooners *Cynisca*, *Life Boat*, *Ocean Traveller* lost-- 29
397. 1862 -- Feb 23, Confederate steamer *Cambridge* Snags, Grand Glaise, AR -- 42
398. 1862 -- Feb 24, Blow of 1862, 15 fishing boats, Georges Bank, out of Gloucester MA--122
399. 1862 -- Feb 27, steamboat *Prince* snags and sinks, Mississippi River, near Hickman KY-74
400. 1862 -- July 27, Pacific Mail steamboat *Golden Gate* burns/sinks off Manzanilla, Mexico ~213
1862 -- or 1863, Aug,¹⁷⁰⁹ steamer *Planet* sinks, Lake Superior ~Eagle Riv., Keweenaw Pt.-- 35
401. 1862 -- Aug 9, sch. *Oriole* sinks, hit by *Illinois* in fog, Lake Sup. off Pictured Rocks, MI-- 12
402. 1862 -- Aug 13, USS *George Peabody* & *West Point* Collide, Potomac River, VA --70-76
403. 1862 -- Aug 21, steamer *Acacia* snags, sinks, Mississippi River, Grand Cut Off, AR -- ~40

¹⁷⁰⁸ Cross-listed in Hurricanes.

¹⁷⁰⁹ Though reported in a source, the *Planet* did not sink in August 1862 or 1863. The *Planet* did pick up a survivor of the *Sunbeam* sinking in a storm at this location Aug 28, 1863 – 34 died in that event.

404. 1862 -- fall, esp., yellow fever, especially U.S. Frigate *St. Lawrence* (29) -- 38
 405. 1862 -- Oct 07, steamboat *Ceres* boiler explosion off St. Joseph Island lighthouse, MS—12
 406. 1862 -- Nov 02-3, steamer *Bay State* founders, Lake Ontario gale ~Fair Haven, NY --20-23
 407. 1862 -- Nov 05, steamer *J.H. Dickey* grounds IL shore, MS River, boiler explodes -- 14
 408. 1862 -- Nov 12, steamer *Eugene* snags wreck/sinks, Miss. River, Plum Point Bend, TN-- 15
 409. 1862 -- Dec 31, iron clad USS *Monitor* sinks, Storm off Cape Hatteras, NC --16-20

MARITIME Events – **Master Set** -- **Deadliest American** -- **CHRONOLOGICAL** (cont.)

410. 1863 -- Feb 22, tug *Merrimac* wrecks, Humboldt Bar, CA -- 13
 411. 1863 -- Apr 14, *Queen of the West* magazine explos., fire from shelling, Grand Lake LA-26
 412. 1863 -- Apr 27, Steamer *Ada Hancock* explosion, San Pedro Bay, LA, CA -- 26
 1863 -- or 1862, Aug,¹⁷¹⁰ steamer *Planet* sinks, Lake Superior ~Eagle Riv., Keweenaw Pt.-- 35
 413. 1863 -- Aug 04, Steamboat *Ruth* burns (arson), Mississippi River, ~Columbus, KY -- 30
 414. 1863 -- Aug 19, Steamboat *City of Madison* ammunition explosion, Vicksburg MS--50-156
 415. 1863 -- Aug 21, USS *Bainbridge* capsizes, Hurricane, off Cape Hatteras, NC¹⁷¹¹ --80-90
 416. 1863 -- Aug 28, sidewheel *Sunbeam* sinks, Lake Superior gale, ~Eagle Harbor, MI --26-35
 417. 1863 -- Sep 28, steamboat *Robert Campbell Jr.* burns, MS River, Milliken's Bend, LA-- 22
 418. 1863 -- Nov 11~, steam propeller *Water Witch* sinks, Lake Huron storm ~off Oscoda MI-23
 419. 1863 -- Nov 13, steamer *Sunnyside* burns, MS riv. ~Isl. #16, below Caruthersville, MO --22-25
 420. 1863 -- Dec 13, Steamer *Quincy* founders, Cape Hatteras, NC -- 16
421. 1864 -- Jan 23, schooner *Dashaway* wrecks, Cape Mendocino, CA -- 14
 422. 1864 -- Feb 17, steamboat *Orient* snags/sinks to upper deck Miss. Riv., Commerce MO--14
 423. 1864 -- Feb 22, steamship *Bohemian* wrecks, Alden's Rock, off Richmond Isl., ME --19-20
 424. 1864 -- Feb-Mar (esp. Mar 22), 8 Gloucester, MA fishing schooners lost at sea --74-75
 425. 1864 -- Apr 15, steamer *Chenango* boiler explosion, NY Harbor ~Ft. Richmond NY--30-33
 426. 1864 -- May 21, steamboat *Nile* boiler explosion, Detroit, MI -- 6-13
 427. 1864 -- June 03, steamer *Pocahontas* sinks, *City of Bath* collision, off Cape May, NJ-40-41
 428. 1864 -- June 08, steamer *Berkshire* fire, Hudson River, Esopus Island, NY -- 35
 429. 1864 -- July 03, steamer *Locust Point* collides with *Matanzas* off Absecon, NJ -- 17
 430. 1864 -- July 21, *B.M. Runyan* snags/sinks, MS Riv., Island 84, Gaines Landing MS-70-150
 431. 1864 -- Aug 10, propeller *Racine* boiler explosion, Lake Erie, off Rondeau, Ontario -- 12
 432. 1864 -- Aug 18-30 timeframe, yellow fever, U.S. gunboat *John Chambers* -- 16
 433. 1864 -- Sep 5, steamer *Washoe* boiler explos., Sacramento Riv., ~10m N. of Rio Vista, CA-51-103
 434. 1864 -- Oct 17, *J.C. Irwin* boilers explode, Cumberland Riv., 10m above Eddyville, KY--11-13
 435. 1864 -- Oct 30, Union packet *Universe* snags/sinks, MS Riv., between Islands 35&36 -- 17
 436. 1864 -- Nov 03, steamboat *James White*, snags/sinks, Mississippi River, Island #10, TN- 17
 437. 1864 -- Nov 08, bark *Mojave* sinks, Lake Mich. betw. Sheboygan WI, Big Sable Pt. MI--10
 438. 1864 -- Nov 12, Navy Gunboat *Tulip* boiler explosion, Ragged Point, MD --49-61
 439. 1864 -- Nov 26, sternwheel *Sophie McLane* boiler explosion, Suisan city dock, CA -- ≥10
 440. 1864 -- Dec 11, steamboat *Maria* boiler explosion, fire, Miss. River, Carondelet, MO-- ~25
 441. 1864 -- Dec 22, U.S. steam transport *North America* sinks, storm off coast of north FL--197

¹⁷¹⁰ Though reported in a source, the *Planet* did not sink in August 1862 or 1863. The *Planet* did pick up a survivor of the *Sunbeam* sinking in a storm at this location Aug 28, 1863 – 34 died in that event.

¹⁷¹¹ Cross-listed in Hurricanes.

MARITIME Events – **Master Set** --Deadliest American-- **CHRONOLOGICAL** (continued)

442. 1865 -- Jan 8, storm, SC steamer *Melville*, NY to Port Royale SC, sinks off Hatteras NC-76
443. 1865 -- Jan 26/27, steamer *Eclipse* boiler explosion, Tenn. River, Johnsonville, TN --27-36
444. 1865 -- Mar 02, Union transport *James Watson* snags/burns, MS Riv., Island No. 76, AR --34-35
445. 1865 -- Mar 15-16, bark *Industry* grounds, breaks-up, Columbia River bar, OR --15-17
446. 1865 -- Mar 31, US Govt. transport *General Lyon* burns off Cape Hatteras, NC ---521-571
447. 1865 -- Apr 25, *Massachusetts* hits *Black Diamond*, Potomac Riv. ~St. Clement's Isl., MD-- ≥60
448. 1865 -- Apr 27, steamer *Sultana* explodes/burns, MS. Riv., Redman Point, AR --1,547-1,947
449. 1865 -- May 29, storm, *Governor Troup* burns Savannah Ri., below Augusta, SC shore--40
450. 1865 -- Jun 03, steamers *Poland* and *Idaho* collide, *Poland* sinks, Yazoo River, MS--10-12
451. 1865 -- Jun 8, fog, steamer *Admiral Dupont* hit/sunk by *Studacona* (UK), off Cape May, NJ-17
452. 1865 -- Jun 09, steamboat *Kentucky* snags & sinks, Red River, below Shreveport LA --50-75
453. 1865 -- July 30, stmr. *Brother Jonathan* hits rock/sinks, storm, off Crescent City, CA--171-225
454. 1865 -- July 31, steamer *Joseph Pierce* boiler explosion/fire, Palmyra Landing, MS -- 9-12
455. 1865 -- Aug 9, *Pewabic* collides with *Meteor*, sinks, Thunder Bay, Lake Huron, ~Alpena, MI- 40
456. 1865 -- Aug 21, mud drum explosion, steamboat *Argosy No. 3*, Ohio River ~Rono, IN-- 10
457. 1865 -- Oct 12, steamer *Yosemite* boiler explosion, Sacramento Riv., Rio Vista, CA --55-68
458. 1865 -- Oct 15, steamer *Atlanta*, N.O., LA to NYC sinks/storm, off Sandy Hook, NJ--45-47
459. 1865 -- Oct 24~, steamer *D. H. Mount* lost, gale, Atlantic, south of Cape Hatteras, NC-- 24
460. 1865 -- Oct 25, steamer *Republic* (former USS *Tennessee*) founders ~Savannah, GA-- 34
461. 1865 -- Oct 29, steamer *St. John* boiler explosion, Hudson River, ~5 miles above NYC-- 15
462. 1865 -- Nov 24, steam. *Niagara* sinks after *Post Boy* collision, MS Riv. ~Prairie Pt. AR--75
463. 1865 -- Dec 01, steamer *Progress* snags/sinks, Arkansas Riv., 20m below Fort Smith AR--20
464. 1865 -- Dec 09, steamer *De Soto*, boiler explosion, near Pascagoula, MS -- 11
465. 1865 -- Dec 27, steamer *Constitution* grounds/breaks-up, Cape Lookout shoals, NC -- 40
466. 1866 -- Jan 09, Steamer *Asher Ayres* Burns, Altamaha River, Darien, GA -- 6-12
467. 1866 -- Jan 28, steamer *Miami* boiler explosion and fire, Arkansas River ~Napoleon AR-40
468. 1866 -- Jan 30, Steamer *Missouri* boiler explodes/sinks, Ohio River near Newburgh, IN- 65
469. 1866 -- Feb 02, Steamboat *W.R. Carter* Boiler Explosion, MS Riv., Island No. 98--123-215
470. 1866 -- Feb 24, Steamers collide, *Nannie Byers* sinks, Ohio Riv., above Madison IN--16-17
471. 1866 -- Mar 04, steamer *R.J. Lockwood* boiler explosion, MS Riv., below Memphis TN --17-25
472. 1866 -- Apr 12, Steamer *Financier* fire, Ohio River, Crow Island, near Baden, PA -- 10
473. 1866 -- Apr 18, boats collide, *City of Norwich* burns/sinks, L.I. Sound off Huntington NY-11-13
474. 1866 -- Apr 26, wharf fire, ferry steamer *Windsor* burns, Detroit River, Detroit, MI -- 28
475. 1866 -- May 03, Clipper *Hornet*, NY to San Francisco, burns sinks, Pacific Ocean -- 16
476. 1866 -- May 31, *City of Memphis* boiler explosion/fire, MS River off Buck Island AR-11~60
477. 1866 -- June 17-18, NY steamer *Jennie P. King* wrecks, Lake Erie storm, Long Pt., Ont.-14
478. 1866 -- Aug 6, steamer *General Lytle* boiler explos. ~Bethlehem IN, OH Riv., KY side--20-24
479. 1866 -- Sep 29, Steamer *Julia*, Steam Drum Explosion, San Francisco, CA -- 10
480. 1866 -- Oct 03, hurricane, steamer *Evening Star* sinks, ~100M off Tybee Island, GA--247-255
481. 1866 -- Oct (late). US gunboat *Bienville*, while in Caribbean and passage to NYC -- 14
482. 1866 -- Dec 27, Steamer *Fashion* burns, Miss. Riv.,7-12M above Baton Rouge, LA -- 43

MARITIME Events – **Master Set** --Deadliest American-- **CHRONOLOGICAL** (continued)

483. 1867 -- Jan-Feb, Amer. Bark *John Bright* strands near Nootka Isl., BC, crew murdered-- 14
 484. 1867 -- Jan 17, Steamer *John Raine* Burns?, Mississippi River, Greenville, MS¹⁷¹² -- 59
 485. 1867 -- Jan 17, steamer *Platte Valley* hits submerged wreck, MS Riv. near Memphis TN--16-50
 486. 1867 -- Feb 10, steamer *City of Bath* fire off Cape Hatteras, NC -- 22
 487. 1867 -- Feb 17, steamer *David White* boiler explosion, Miss. River ~Pt. Chicot, MS --35-60
 488. 1867 -- Mar 03, propeller steamer *Andalusia* fire and drownings, off Hatteras, NC -- 12
 489. 1867 -- May 04, steamer *Main* capsized in storm on Lake Pontchartrain, LA -- 10
 490. 1867 -- May 21, steamer *Wisconsin* burns, Lake Ontario, ~Grenadier Isl./Cape Vincent, NY-23
 491. 1867 -- Aug, Two Gloucester, MA fishing schooners lost on Georges Bank -- 17
 492. 1867 -- Sep, Gale, Gloucester MA fishing sch. *Fashion* lost, Bay of St. Lawrence -- 13
 493. 1867 -- Oct, U.S. ship *Potomac*, cholera, Philadelphia Navy Yard, PA -- 18
 494. 1867 -- Nov 17, steamboat *Onward* burns, Alabama River, Bells Ledge, AL -- 11
 495. 1867 -- Dec 24, steamer *Raleigh* burns to waters-edge, off Charleston, SC --14-24
 496. 1867 -- Dec 31, steamer *Henry Ames* guards fail while unloading, New Orleans, LA-- ~20
497. 1868 -- Mar 18, *Magnolia* boiler explosion/fire, OH R. ~Cincinnati Oh & California Ky--35
 498. 1868 -- Apr 09, WI sidewheel *Sea Bird* fire/sinks, Lake Michigan off Waukegan IL-67-102
 499. 1868 -- May 01, steamer *Governor Cushman* boiler explodes, Lake Erie, Buffalo, NY-- 11
 500. 1868 -- June, Gloucester MA fishing schooner *General Butler* lost, Georges Bank -- 10
 501. 1868 -- June ~15, Brit. Bark *Istria* Wrecks, Diamond Shoals off Cape Hatteras NC -- 23
 502. 1868 -- Jun 20, *Morning Star* & *Cortland* collide & sink, Lake Erie, ~Black Riv. OH- 37-60
 503. 1868 -- Sep 08, steamer *Hippocampus* sinks, Lake Michigan storm, off St. Joseph, MI-- 26
 504. 1868 -- Sep 16, sch. *Persian* sunk by *E.B. Allen*, Lake Huron, 3m off 40-Mile Point MI--10
 505. 1868 -- Oct 06, Propeller *Perseverance* Burns, Lake Ontario off Pultneyville, NY -- 14
 506. 1868 -- Dec 04, steamers *United States* & *America* collide, OH Riv. ~Warsaw, KY-59- 100
 507. 1868 -- ~Dec-Jan 1869, Stm., Gloucester, MA Fishing Sch. *Forest Belle* lost, GB -- 12
508. 1869 -- Jan 11, Steamer *Gulf City* Grounds and Breaks-up, Cape Lookout, NC --22-23
 509. 1869 -- Jan 13, steamer *Glide* boiler explosion/fire, MS Riv. ~57m above New Orleans LA -15-16
 510. 1869 -- Feb 12, Steamer *Mittie Stephens* fire, Caddo Lake ~Swanson's Landing TX --61-69
 511. 1869 -- Mar 06-7, gale, Gloucester schrs. *Price*, *Porter*, *Woodbury* lost, Georges Bk.-- 31
 512. 1869 -- Apr 10, steamboat *G.A. Thomson* snags/burns, AR Riv. ~40M below Little Rock AR--17
 513. 1869 -- Aug 14, steamer *Cumberland* boiler explosion, OH River, ~Shawneetown, IL-- 18
 514. 1869 -- Sep 08, Hurr., schrs. *Helen Eliza* grounds (Peak's Isl., ME), *Yankee Girl* lost¹⁷¹³-23
 515. 1869 -- Oct 27, steamer *Stonewall* burns/grounds, Miss. River, Tea Table Bar, MO -- ~209
 516. 1869 -- Nov 05~ sch. *W.W. Arnold* grounds, Lake Sup. storm, Two Hearted River, MI-- 11

¹⁷¹² Though there are four sources, I have been unable to corroborate with any newspaper or other source. Odd – when there was a large loss of life steamboat event it was reported in papers nationwide. We speculate there may have been confusion between this reported event and the boiler explosion on the steamboat *David White* 2-17-1867 at Point Chicot, above Greenville. Earlier in its career (1858) the *David White* was named the *John Raine*. The source we use which notes this states that “some sixty persons lost their lives...” when *the David White* boilers exploded. (*Cincinnati Commercial*. “River and Steamboat News.” 5-9-1867, p.7, c.2.) This is close to the 59 reported by Berman, Lytle/Holdcamper, Nash, and Way, in their accounts of the *Raine* fire. We suspect that either Lytle/Holdcamper or Way put down first (and mistaken) account, and the other sources just repeated the same data.

¹⁷¹³ Cross-listed in Hurricanes.

MARITIME Events – **Master Set**--Deadliest American-- **CHRONOLOGICAL** (continued):

517. 1870 -- Jan, Gloucester, MA fishing schooner *Viking* lost, on way to Grand Banks -- 11
518. 1870 -- Jan, steamer *City of Boston* sails from NYC for Liverpool, Lost -- 177
519. 1870 -- Jan 25, Gloucester, MA fishing schooner *Weather Gage* lost, Grand Banks -- 10
520. 1870 -- Feb 19, steamer Emma No. 3 snags, burns, MS Riv., Isl. No. 35/Reverie, TN-- 40
521. 1870 -- Mar, Gloucester MA Fishing Schooner *William F. Pool* lost on Georges Bank-- 10
522. 1870 -- July 31, steamer *Silver Spray* boiler explosion/fire, MS Riv., Pacific Place, TN- 9-13
523. 1870 -- Sep, Gloucester MA fishing schmr. *Dauntless* lost on way to St. Lawrence Bay-- 12
524. 1870 -- Sep 18, Gale, Gloucester, MA Fishing Schooner *Day Star* Lost at Sea -- 12
525. 1870 -- Oct, Gloucester, MA Fishing Schooner *Alatamaha* lost, Georges Bank -- 10
526. 1870 -- Oct 09, Steamer *Mariposa* (NOLA to NY) lost/founders off east coast of FL-- 36
527. 1870 -- Oct 20, steamer *Varuna* sinks in hurricane, 35M NE of Jupiter Inlet, FL -- 52
528. 1870 -- Dec 18, *Nick Wall* snags/sinks Miss. River, ~Princeton, MS/Napoleon, AR -- 39
529. 1871 -- Jan 09, Gloucester, MA fishing schooner *Edith Wonson* lost on Western Bank-- 12
530. 1871 -- Jan 14, Steamboat *T. L. McGill* burns, Mississippi River, Shoo-Fly Bar, MS --40-58
531. 1871 -- Jan 28, steamer *W. R. Arthur* boilers explode, MS riv., Isl. #40 ~Memphis, TN--45-66
532. 1871 -- Feb, Gloucester, MA Fishing Schooners *Hiawatha & E.L. Cook* lost at sea -- 21
533. 1871 -- Apr 02, Gale, Gloucester, MA Schs. *Lindberg, Pride, Murray, Hough* lost-- 42
534. 1871 -- summer, East Gloucester, MA) Fishing Schooner *River Queen* lost at sea -- 12
535. 1871 -- Jul 3, Cal. Brig *Shelehoff* disabled Pacific Ocean storm, starvation, found Oct 19--11
536. 1871 -- July 30, Staten Island Ferry *Westfield II* boiler explosion, NY Harbor NY-106-125
537. 1871 -- Aug 18, steamer *Lodona* grounds in storm, 7m north of Cape Canaveral, FL -- 21
538. 1871 -- Aug 27, steamboat *Ocean Wave* boiler explosion, Point Clear ~Mobile, AL --34-75
539. 1871 -- Sep 02, Gloucester, MA fishing schooners *Montrose* and *Emporia* lost at sea-- 17
540. 1871 -- Sep 22, schooner *Charles H. Hurd* sinks, Lake MI gale ~South Manitou Isl., MI-11
541. 1871 -- Oct 03, hurricane, TX coast, steamer *C. K. Hall* lost off Cedar Point TX¹⁷¹⁴ -- >10
542. 1871 -- Oct 15, steamer *R.G. Coburn* sinks, Lake Huron storm, no. of Saginaw Bay, MI--~32
543. 1871 -- Nov 22, steamer *City of New London* Burns, Norwich, CT -- 17
544. 1872 -- Jan, Gloucester, MA fishing schooner *Messenger* lost on Western Bank -- 12
545. 1872 -- Mar, Gloucester, MA schooners *Matchless, Franklin Snow* lost, Georges Bk.-- 22
546. 1872 -- Apr 11, steamer *Oceanus* boiler explosion/fire, MS River, Brook's Point, IL--34-40
547. 1872 -- Aug 30, propeller *Metis* hits schmr. *Nettis Cushing*, sinks off Watch Hill, RI --20-70
548. 1872 -- Oct 33, screw steamer *Missouri* fire off Abaco Light, Lucaya, Bahamas --50-87
549. 1872 -- Nov 27, *Jupiter & Saturn* ground, Lake Superior storm, Vermilion Point, MI-- 15
550. 1872 -- Dec 26, Bark *Kadosh* wrecked, ship *Peruvian* lost, Storm, MA coast -- 32
551. 1873 -- Jan 27~, steamer *George S. Wright* hits rocks?, Queen Charlotte Sound, BC, Can.-34
552. 1873 -- Feb 15, steamer *Henry A. Jones* burns, Galveston, TX -- 21
553. 1873 -- Mar, Gloucester, MA fishing schooner *J. H. Orne* lost on Georges Bank -- 11
554. 1873 -- Aug 08, steamer *Wawaset* burns, Potomac River, off Aquia Creek, VA --13-75
555. 1873 -- Aug 22, *George C. Wolfe* boiler explos., MS Riv., St Francis Is. ~Helena AR-15-30

¹⁷¹⁴ Cross-listed under Hurricane.

556. 1873 -- Aug 24, "Nova Scotia" storm sinks fishing fleet from Gloucester, MA¹⁷¹⁵ -- 128
 557. 1873 -- Sep 15, steamer *Ironsides* sinks, Lake Michigan storm, ~Grand Haven, MI --20-25
 558. 1873 -- Dec 04, freighter City of Detroit sinks, Lake Huron storm, Saginaw Bay, MI--19-20

MARITIME Events – **Master Set**--Deadliest American-- **CHRONOLOGICAL** (continued):

559. 1874 -- Feb 11, gale, Gloucester, MA fishing schooner *B. H. Smith* lost Grand Banks-- 12
 560. 1874 -- Mar, Gloucester, MA fishing schooner *White Fawn* lost Western Banks -- 12
 561. 1874 -- Apr 15, tow boat capsizes, Mississippi River, below New Orleans, LA -- 13
 562. 1874 -- June 07, storm, boats capsize, drownings, Lakes Oneida & Onondaga NY -- 27
 563. 1874 -- Aug 05, steamboat *Pat Rogers* burns, Ohio River ~1M below Aurora, IN --47-50
 564. 1874 -- Sep 28, steamer *Amanda Winants* lost at sea off Georgetown, SC -- 16
 565. 1874 -- Oct 22, steamer *Brooklyn* boiler explodes/sinks, Detroit Riv. ~Wyandotte, MI--13-18
 566. 1874 -- Nov 22/23, schooner *William Sanderson* breaks-up, Lake MI storm off Empire, MI-- 7-10
 567. 1874 -- Nov, Gloucester, MA fishing schooner *G. G. Kidder* lost, Grand Banks --12-13
568. 1875 -- Jan, Gloucester, MA fishing schooner *David Burnham* lost on Grand Banks -- 12
 569. 1875 -- Jan, Gloucester, MA fishing schooner *Joseph Chandler* lost, Grand Banks -- 12
 570. 1875 -- Feb, Gloucester, MA fishing schooner *J. C. Call* lost, Grand Banks -- 12
 571. 1875 -- Feb, Gloucester, MA fishing schooner *Sarah H. Cressey* lost, Grand Banks -- 12
 572. 1875 -- Mar, Gloucester, MA fishing schooner *H.B. Stanwood* lost, Georges Bank -- 12
 573. 1875 -- Mar. Gloucester, MA fishing schooner *William C. Endicott* lost, Georges Bk.-- 10
 574. 1875 -- Apr 23, steamers *Exporter*, *Charles Bodman*, *Kyle* burn, New Orleans, LA -- 30
 575. 1875 -- Apr 29, fishermen drown off Saint Joseph, MI -- 11
 576. 1875 -- May 02, steamer St. Luke hits bridge pier/sinks, Missouri Riv., St. Charles, MO-9-10
 577. 1875 -- July 06, steamer *Isaac Bell* & tug *Lumberman* collide, Hampton Roads, VA -- 10
 578. 1875 -- Aug 26, ships collide, freighter *Comet* sinks, Lake Superior, 7M SE Whitefish Pt., WI--11
 579. 1875 -- Sep 10, propeller *Equinox* sinks, Lake Michigan storm ~Big Sable Point, MI-21-25
 580. 1875 -- Sep 10, steamer *Mendota* sinks, Lake Michigan storm, off Point Betsie, MI --10-12
 581. 1875 -- Sep 15-15, hurricane, Atlantic and Gulf coasts, *Mabel*, *Nord-Kyn*, *Serene* -- ≥12
 582. 1875 -- Nov, Gloucester, MA fishing schooner *Pharsalia* lost, Georges Banks -- 12
 583. 1875 -- Nov 04, steamers *Pacific* & *Orpheus* collide, *Pacific* sinks off Cape Flattery WA-250-285
 584. 1875 -- Nov 09, steamship *City of Waco* burns, off Galveston Bar, TX --49-70
 585. 1875 -- Nov 18, OR schooner *Sunshine* found bottom-up, Cape Disappointment, WA-- 25
 586. 1875 -- Dec 01, steamer *Sunnyside* hits ice/sinks, Hudson River, near West Park, NY-- 11
587. 1876 -- Mar 01, *Nuova Ottavia* Grounds, Life-Saving Crew Lost, Kittyhawk, NC -- 18
 588. 1876 -- Mar 01, scow, explosion, Umatilla Rapids, OR -- 13
 589. 1876 -- Apr 04~, Gloucester, MA fishing schooner *Kearsarge* lost, Georges Bank -- 11
 590. 1876 -- Apr 08, Gloucester, MA fishing schooner *Henrietta Greenleaf* capsizes, ~GB-- 10
 591. 1876 -- Apr-May, Gloucester, MA fishing schooner *James L. Shute* lost on Grand Bk.-- 14
 592. 1876 -- Apr-May, Gloucester, MA fishing schooner *Janet Middleton* lost on G. Bk. -- 11
 593. 1876 -- May~, Gloucester, MA fishing schooner *Saratoga* hit/sunk, Georges Bank -- 9-12
 594. 1876 -- May 17, steamer *Pat Cleburne* boiler explodes/fire, OH Riv., ~Weston KY, IL shore~20
 595. 1876 -- July 09, steamer *St. Clair* burns, Lake Superior, off 14 Mile Pt. ~Ontonagon, MI -26-27

¹⁷¹⁵ Cross-listed here as a subset of Hurricane (total fatalities >600).

596. 1876 -- Sep, Gloucester, MA fishing schooner *Walter M. Falt* lost on Grand Banks -- 12
 597. 1876 -- Sep 17, steamer *Rebecca Clyde*, strands/wrecks, 20m south of Hatteras, NC --12-13
 598. 1876 -- Oct, Gloucester, MA fishing schooner *Joseph F. Allen* Lost on Western Bank-- 10
 599. 1876 -- Dec, Gloucester, MA fishing schooner *D. E. Woodbury* lost, trip to Grand Bk.-- 10
 600. 1876 -- Dec, Gloucester, MA fishing schooner *Howard Steele* lost, La Have Bank -- 11
 601. 1876 -- Dec, Gloucester, MA fishing schooner *J.F. Huntress* lost, La Have Bank -- 10
 602. 1876 -- Dec, Gloucester, MA fishing schooner *John S. Tyler* lost, La Have Bank -- 10
 603. 1876 -- Dec, Gloucester, MA fishing schooner *Modena B. Jerauld* lost, La Have Bank-- 11
 604. 1876 -- Dec, Gloucester, MA fishing schooner *William T. Merchant* lost, Grand Bk.-- 12
 605. 1876 -- Dec, Gloucester, MA fishing schooner *Wyoming* lost, La Have Bank -- 9-10
 606. 1876 -- Dec 30, freighter *Circassian* breaks-up in storm, Mecox, Long Island, NY -- 28

MARITIME Events – **Master Set**--**Deadliest American**--**CHRONOLOGICAL** (continued):

607. 1877 -- Jan, Gloucester, MA Fishing Schooner *Mary Burnham* lost, La Have Bank -- 11
 608. 1877 -- Jan 07, steamer *Montgomery* hit by *Seminole*, sinks, 38m NE of Cape May NJ-- 13
 609. 1877 -- Jan 20, U.S. Schooner *George Washington* Strands, Mistaken Point, NFLD -- 25
 610. 1877 -- Apr 13, Steamer *Leo Burns* 83 miles south of Tybee Light, GA -- 23
 611. 1877 -- Oct 02, steamer *Comfort* boiler explosion, OH Riv. near Pipe Creek, WV side-- 10
 612. 1877 -- Nov 24, U.S. Navy warship USS *Huron* Grounds in Storm, Nags Head NC- 83-103
613. 1878 -- Jan 02-03, Cape Cod storm, schooners *A.P. Avery*, *Powwow*, *F. Fish* wrecked--~12
 614. 1878 -- Jan 10, storm, Boston fishing schooner *Little Kate* grounds near Duxbury, MA-- 13
 615. 1878 -- Jan 18 last sighting, American ship *Grace Darling*, gale off Cape Flattery, WA-- 15
 616. 1878 -- Jan 31, steamer *Metropolis* wrecks, gale, south of Jones Hill Station, NC --85-104
 617. 1878 -- Jan-Feb, Gloucester, MA fishing schooner *Carrie P. Morton* lost, Grand Bk.-- 14
 618. 1878 -- Sep 28, steamer *Adelphi* boiler explosion, ~Gregory's Pt. E. Norwalk, CT --14-15
 619. 1878 -- Oct 12, whaling bark *Sarah* capsizes in gale, out of Bedford, MA -- 22
 620. 1878 -- Oct 20, last sighting of fishing schooner *Cunard* out of Gloucester, MA¹⁷¹⁶ -- 14
 621. 1878 -- Oct 21-24, hurricane and maritime losses, NC, VA, MD, DE, PA, NJ, CT¹⁷¹⁷-- 54
 622. 1878 -- Dec 1, *Cotton Valley* & *Charles Morgan* collide, MS Riv., ~Bringier Pt., LA--12-20
 623. 1878 -- Dec 10, steamer *Emily B. Souder* founders in storm, off Cape Hatteras, NC --36-38
624. 1879 -- Feb 20-21, storm, ~13 Gloucester MA schooner's lost, George's Bank, NF--143-157
 625. 1879 -- Apr, Gloucester, MA fishing schooner *Ida* (or *Ada*) *E. Baker*, Western Bk. -- 12
 626. 1879 -- Apr, Gloucester, MA fishing schooner *William Thompson* lost, Banks -- 14
 627. 1879 -- Apr 20, rowboat crew, stranded steamer *Great Republic*, Columbia Riv. bar, OR-- 14
 628. 1879 -- Aug~, whaling schooner *Arizona*, reportedly lost off Cape Hatteras, NC -- 15
 629. 1879 -- Aug 18-19, hurricane, CT, MA, ME, VA, Chesapeake Bay, maritime losses¹⁷¹⁸--28
 630. 1879 -- Oct, Gloucester, MA fishing sch. *N. H. Phillips*, lost, Banquereau Bank NS --13-14
 631. 1879 -- Oct-Dec, Gloucester MA fishing sch. *Harvey C. Mackay* lost, Grand Banks-- 10
 632. 1879 -- Nov 08, steamer *Champion* collision with British bark, Cape Henlopen, DE --31-32
 633. 1879 -- Dec, schooner *Mary D. Pomeroy* lost at sea, Crescent City, CA to SF, CA -- 14

¹⁷¹⁶ On Fishing trip to the Grand Banks.

¹⁷¹⁷ Land & Maritime losses cross-listed in Hurricane.

¹⁷¹⁸ Subset of Hurricane listing.

MARITIME Events – **Master Set** --Deadliest American– **CHRONOLOGICAL** (continued):

634. 1880 -- Jan, barkentine *Ray R. Sharp* lost at sea, Philadelphia, PA for Lisbon, Portugal-- 13
635. 1880 -- Mar 23, Gloucester, MA schooner *Annie C. Norwood* lost, Caches' Shoal, MA-- 14
636. 1880 -- Apr 27, schooner *Olivia Schultze* founders near mouth of Sinslau River, OR-- 15
637. 1880 -- May 04, squall, fishing boats capsize, Columbia River mouth, OR and WA --15-20
638. 1880 -- June 11, steamer *Narragansett* hit in fog/burns/sinks, off Saybrook CT¹⁷¹⁹ --27-50
639. 1880 -- June 28, steamer *Seawanhaka* explodes/burns, East River, Randall's Isl. NY- 24-50
640. 1880 -- July 22, storm, *Mamie* bisected by *Garland*, Detroit River, ~Grosse Isle, MI--16-17
641. 1880 -- Aug, Bark *Emma C. Litchfield*, St. Mary's, GA to Buenos Aries lost at sea -- 10
642. 1880 -- Aug 09, steamer *Bonnie Lee* boiler explosion, Lenoir Pt., Red River, LA -- 9-10
643. 1880 -- Aug 28, steamer *City of Vera Cruz* sinks, hurricane off Mosquito Inlet, FL¹⁷²⁰-- 68
644. 1880 -- Aug 28, bark *Miriam*, Pensacola, FL to Rio de Janeiro, lost at sea -- 13
645. 1880 -- Aug 29, Bark *Alfred*, Pascagoula MS for Trinidad Island, Spain lost at sea -- 13
646. 1880 -- Aug 29, steamer *Marine City* burns/sinks, Lake Huron, 2m off Alcona, MI -- 9-14
1880 -- Oct 12, steambarge *Trader* waterlogged in storm/lost, Lake MI, off MI coast¹⁷²¹-- 0
647. 1880 -- Oct 16, sidewheel steamer *Alpena* sinks, Lake Mich. storm off Holland, MI --60-101
648. 1880 -- Nov, Gloucester, MA fishing schooner *Nathaniel Webster*, lost, the Banks -- 14
649. 1881 -- Jan 03, Bark *Lupata*, stormy night, grounds / breaks on Tillamook reef, OR --16-18
650. 1881 -- Mar 04, bark *Ajace*, NYC bound, grounds, storm, Rockaway Reef, off Queens NY- 13
651. 1881 -- Apr 15, Gloucester, MA Fishing Schooner *Carrie S. Dagle* lost, Western Bk.-- 12
652. 1881 -- Aug-Sep, Gloucester, MA Fishing Sch. *Guy Cunningham* lost Grand Banks --13-14
653. 1881 -- Sep 10, steamer *Columbia* founders, Lake MI storm, north off Frankfort, MI-- 15
654. 1881 -- Dec 26, Steamer *West Point* Gas Explosion/Fire, York River, VA -- 19
655. 1882 -- Jan 22, bark *F.L. Carney* wrecks, South Hatteras Inlet, NC -- 8-10
656. 1882 -- Feb 05?, gale, Gloucester schs. *Bellerophon*, *Carroll*, *Pew*, *Revere*, *Somes*, GB-- 67
657. 1882 -- Mar 17?, gale, Gloucester MA schooners *Northerner* and *Victor* lost, GB -- 24
658. 1882 -- Mar 30, steamboat *Golden City* burns, Mississippi River, Memphis, TN --28-32
659. 1892 -- Apr 19-May 10, Victoria schooner *Lottie* capsizes, west of Tillamook Bay, OR--31-32
660. 1882 -- July 04, steamboats collide, *Scioto* sinks, Ohio River, Mingo Junction, OH -- ~70
661. 1882 -- July 16, steamer *John Wilson* snags/sinks, Atchafalaya Riv., Richards Landing, LA--15
662. 1882 -- Aug 07, steamboat *Gold Dust* boiler explosion/fire, MS River ~Hickman, KY--≥24
663. 1882 -- Sep 30, steamboat *Rob't. E. Lee* burns, Miss. River, Yucatan Landing, LA --22-30
664. 1882 -- Dec 1, steambarge *R.G. Peters* burns/sinks, storm, mid-Lake MI, MI bound/owned--14
665. 1882 -- Dec 05, schmr. *Henry Folger* grounds on reef, Salmon Pt. ~Wellington, Ont.-- 16
666. 1882 -- Dec 6, steamer *Morning Star* flue collapse/boiler bursts, MS Riv., below N.O., LA--15-17
667. 1883 -- Jan 02, Cowe Tunnel convict boat capsizes, Tuckasegee River, Western NC-- 19
668. 1883 -- Jan 29, steamer *Tacoma* grounds/breaks-up, Pacific, 4m no. of Umpqua Riv., OR-- 10

¹⁷¹⁹ Cross-listed under Fog as a Contributing Condition.

¹⁷²⁰ Cross-listed in Hurricanes.

¹⁷²¹ Listed in that several sources (McNeil, Swayze, newspapers at time) report ten or eleven deaths (all aboard). The *Great Lakes & Seaway Shipping News Archive*, however, notes that crew was rescued by the schooner *Guide*.

669. 1883 -- Mar 04, steamer *Yazoo Valley* hits log/sinks, MS Riv., ~Bonnet Carre Crev., LA-20
 670. 1883 -- Apr 11, steamer *Geo. W. Wylly* hits pier/sinks, Chattahoochee Riv., Fort Gaines, GA--13
 671. 1883 -- May 03, American steamer *Grapples*, Puget Sound to Alaska, burns, off BC-- 70
 672. 1883 -- May 20, schooner *Wells Burt* founders, Lake Mich. storm, off Evanston, IL--10-11
 673. 1883 -- May 25, steamboat *Pilot* boiler explosion, Petaluma River near Lakeville, CA-9-10
 674. 1883 -- Aug 29, gale, Gloucester MA schooners *Alaska & James Bliss* lost, GB --23-24
 675. 1883 -- Sep, Gloucester MA schooner *Charles Hildreth* lost, trip to Georges Bank -- 10
 676. 1883 -- Nov 12, Gale, Chesapeake Bay, sloop *Anne Gertrude*; other vessels lost -- 9-20
 677. 1883 -- Nov 12-14, gales, nine Gloucester, MA fishing schooners lost, Georges Bank-- 114
 678. 1883 -- Nov 16, steamer *Manistee* lost, Lake Superior gale, off west Keweenaw Pen., MI- ~27
 679. 1883 -- Dec 12-13, schooner *Mary Ann Hulbert* sinks, Lake Superior storm ~St Ignace Isl. Ont.- 20
 680. 1883 -- Dec 28, Gale, Gloucester Schs. *Stetson, Knutsford, Irving, Maddocks* lost --52-55

MARITIME Events – **Master Set**--Deadliest American--**CHRONOLOGICAL** (continued):

681. 1884 -- Jan 18, stmr. *City of Columbus* hits Devil's Bridge reef/sinks, Martha's Vyd., MA-- 103
 682. 1884 -- Jan 23, Raft upset/drownings, Upper Cumberland River, near Carthage, TN -- 9-10
 683. 1884 -- Feb 28, Gale, Gloucester MA Fishing Schooners *Magic* and *Phoenix* lost -- 26
 684. 1884 -- Apr 03, *Rebecca Everingham* fire, Chattahoochee Riv., Fitzgerald Landing GA--13
 685. 1884 -- Jun 08, Ferry Boat goes over falls, Drownings, Thompson's falls, MT -- 11
 686. 1884 -- Jun 27, Schooner *Deborah H. Diverty* Founders, storm, off Beck's Beach, NJ-- 10
 687. 1884 -- Aug 29, steamer *Belmont* capsizes, high wind, OH Riv., 3m ~Henderson, KY-13-17
 688. 1884 -- Dec 12, Oyster Boats Capsize, Men Drown, Storm, Rappahannock River VA-- 27
689. 1885 -- Feb 9~, gale, Gloucester, MA fishing schooner *Solomon Poole* lost Great Bk-- 14
 690. 1885 -- May 05, New Bedford, MA whaling bark *Napoleon* sunk by ice, Bering Sea-- 22
 691. 1885 -- Aug, schooner *Washington*, Apalachicola, FL to NYC, lost at sea -- 10
 692. 1885 -- Aug 20, British bark *Haddingtonshire* strands 3 miles No. Point Reyes, CA -- 15
 693. 1885 -- Aug 24-26, hurricane, FL/1, GA/2, NC, SC/21, New England, Atlantic/1 -- ~25
 -- 3 steamer/pilot boat *F. W. Schafer No. 4* (or possibly Sheper), SC
 -- 3 schooner *Gustie Wilson*, SC
 -- 6 schooner *John Stoddard*, SC
 -- 1 Italian bark *Marianina*, Atlantic, about 50 miles off Charleston, SC
 -- 5 schooner *Walter Smith*, SC
 -- 1 steamer *William Lawrence*, GA
 -- 1 unidentified small craft, Savannah, GA
694. 1885 -- Oct, bark *Bertha*, Sand Key, Turk's Island for Boston, Lost at Sea -- 13
 695. 1885 -- Oct 12, last sighting, San Fran. whaler *Amethyst*, St. Lawrence Isl. Bering Sea, AK--43
 --38 *Amethyst* crew
 -- 5 *Rainbow* crew survivors onboard the *Amethyst*
696. 1885 -- Nov 07, snowstorm, passenger ship *Algoma* grounds, Greenstone, Mott Isl., MI¹⁷²²-37-48
 697. 1885 -- Dec 4-6, schooner *Orphan Boy* grounds, Lake Mich. storm, Big Sable Pt., MI--7-10
 698. 1885 -- Dec 25, steamship *City of Nassau* lost after leaving Philly, PA -- 17
 699. 1885 -- Dec 25-Jan 1886, Gloucester, MA fishing schnr. *Hyperion* lost, GB trip gale?-- 12

¹⁷²² No surviving record of those onboard and conflicting accounts of numbers of crew and passengers lost and saved. The Thunder Bay Public Library webpage on the *Algoma* names 30 crew and 12 passenger fatalities.

700. 1885 -- Dec 25-Jan 1886, Gloucester, MA fishing schooner *Mabel Dilloway* lost -- 16
 701. 1885 -- Dec-Jan 1886, Gloucester, MA fishing schooner *Virginia Dare* lost, GB -- 14

MARITIME Events – **Master Set**--Deadliest American--**CHRONOLOGICAL** (continued):

702. 1886 -- Jan 2, steam *W.D. Chipley* grounds/sinks, Chattahoochee Riv., 7m no. Fort Gaines GA-8-11
 703. 1886 -- Jan 08-10, gale, coast of NJ, NY and New England, maritime losses -- 34
 704. 1886 -- Feb 26, snowstorm, steamer *Idlewild* strands, lifeboat lost, off Stamford CT -- 8-11
 705. 1886 -- June-July, Gloucester, MA fishing schooner *Seth Stockbridge* lost, Greenland-- 14
 706. 1886 -- Mar 16, steam freighter *Beda* springs leak, founders off Cape Perpetua, OR -- 11
 707. 1886 -- Aug-Sep, Gloucester, MA fishing schooner *George L. Smith* lost GB trip -- 14
 708. 1886 -- Aug-Sep, Gloucester, MA fishing schnr. *John F. Wonson* lost, Brown's Bank-- 10
 709. 1886 -- ~Sep 20 Amer. ship *Sierra Nevada*, Seattle for San Fran., founders off Cape Flattery WA-- 13
 710. 1886 -- Sep 29, steamboat *Julia* steam drum explosion, steam release, San Fran., CA-- 10
 711. 1886 -- Oct 05, *La Mascotte* flue collapse/fire/stack fall, MS Riv., Crawford Lndg., MO-- ≥35
 712. 1886 -- Nov 14~, Kodiak schnr. *Flying Scud* lost, Cape Douglas to Kodiak, Gulf of AK --24-26
 713. 1886 -- Nov 15-18, Lake Superior and Michigan storm, MI & WI maritime deaths -- 39
 -- 5 *Emerald*, barge; foundered near Kewanee, WI, Lake Michigan
 -- 3 *F. M. Dickinson*, barge; foundered off Kewaunee, WI, Lake Michigan
 -- 1 *Florida*, schooner; pushed ashore into pier crushing a crewman
 -- 6 *Helen*, schooner; grounded near Muskegon, MI, Lake Michigan
 --10 *Lucerne*, schooner; grounded/broke-up off Chequamegon Pt., WI, Superior
 -- 7 *Marinette*, schooner; driven ashore/wrecked near Frankfort, MI, Lake Mich.
 -- 7 *Menekaunee*, schooner; driven ashore/wrecked near Frankfort, MI, Lake MI
 714. 1886 -- Dec 13, steamer *J.M. White* fire, MS Riv., Blue Store Lndg. ~Pt. Coupee, LA--28-40
 715. 1886 -- Dec 14, gale, American ship *Harvey Mills* sinks ~50m SW of Cape Flattery WA--17-21
 716. 1886 -- Dec 17, whaling bark *Atlantic* grounds near San Francisco, CA -- 27
 717. 1886 -- Dec 28, steamer/boarding house *Bradish Johnson* fire, Jackson, AL¹⁷²³ -- ~24

 718. 1887 -- Mar 01, steamer *W.H. Gardner* burns, Tombigbee riv., ~3m below Gainesville, AL-20-21
 719. 1887 -- Apr, Gloucester, MA fishing schooner *Jamestown* Lost, Western Bank -- 12
 720. 1887 -- Early Apr, Amer. ship *St. Stephens* (Seattle-SF CA), lost in gale off Cape Flattery WA--22-27
 721. 1887 -- Apr 01, ship *Eldorado* (Seattle to SF) sinks in storm off Cape Flattery, WA -- 12
 722. 1887 -- Apr-Aug, MA fishing schooner *Lydia Y. (or T.) Crowell*, lost, N.S. fishing --15-16
 723. 1887 -- June 17, steamer *Champlain* burns, grounds, Lake Mich., off Charlevoix, MI-- 22
 724. 1887 -- July 10, overloaded sloop yacht *Mystery* capsizes, Canarsie Bay, L.I., NY --24-33
 725. 1887 -- July-Oct, bark *Isabel*, Rockland, ME to Pensacola, FL, lost at sea -- 10
 726. 1887 -- Aug 20, gale, Provincetown MA whaling schnr. *Ellen Rizpah* lost ~Hatteras--13-14
 727. 1887 -- Sep 3~, Gloucester, MA fishing schooner *Thomas L. Tarr* lost, gale, Banks trip--14
 728. 1887 -- Sep 3, gale, Provincetown, MA fishing schnr. *Rebecca R. Nickerson* lost, GB -- 19
 729. 1887 -- Sep 21, hurricane, mid-TX coast to Brownsville, US tender *Mignonette* lost/16-- 16
 730. 1887 -- Oct 03, propeller *California* founders, Lake Mich., off St. Helena Isl., MI -- 9-14
 731. 1887 -- Oct 18, ship *Alfred Watts*, Philadelphia to Japan, lost at sea -- 25
 732. 1887 -- Oct 29, loaded steamer *Vernon* sinks, Lake Mich. storm, off Two Rivers WI--41-49
 733. 1887 -- Nov 3, schooner *Ocean Bird* capsizes in storm, Pasquotank River, NC -- 9-20

¹⁷²³ Cross-listed in Fires.

734. 1887 -- Nov 17-19, Northeaster, Lake Superior, thirty shipwrecks -- ~ 40
 735. 1887 -- Nov-Dec, Gloucester, MA fishing schooner *Peter D. Smith* lost, Georges trip-- 12
 736. 1887 -- Nov-Dec, Gloucester, MA fishing schooner *William Parsons, 2nd*, lost, GB -- 12
 737. 1887 -- Dec 20, freighter *San Vincente* burns off Pigeon Point ~45m south of S.F., CA-- 12

MARITIME Events – **Master Set** --Deadliest American--**CHRONOLOGICAL** (continued):

738. 1888 -- Jan 09, ship *John T. Berry*, Philadelphia, Pa. to Japan, burns at sea -- 11
 739. 1888 -- Feb 05, British ship *Abercorn* grounds in fog, west, off Aberdeen, WA --22-23
 740. 1888 -- Feb 27, ferry *Julia* boiler explosion/fire, Carquinez Strait, South Vallejo, CA-- 30
 741. 1888 -- Mar 11-14, East Coast “Blizzard of 1888,”¹⁷²⁴ maritime loss component -- >100
 742. 1888 -- May 03, gale, fishing sch. *Isabel* springs leak, founders ~Shumagin Isl. AK --12-14
 743. 1888 -- Aug 22, fog, steamers collide, *City of Chester* sinks, San Francisco Bay, CA--15-16
 744. 1888 -- Sep 06, storm, steamer E.B. *Ward Jr.* sinks, Utila to New Orleans, Gulf of Mex.- 21
 745. 1888 -- Oct 03, storm, whaling bark *Ohio* driven ashore ~Point Hope, Chukchi Sea, AK-25
 746. 1888 -- Oct 24, barkentine *Makah* found bottom-up off Tillamook Head, OR -- 11
 747. 1888 -- Nov 25, storm, Philly steam collier *Allentown* grounds off Cohasset, MA --all 18
 748. 1888 -- Nov 26, schooner *Edward Norton* wrecks, storm, First Cliff Pt., Scituate MA-- 15
 749. 1888 -- Nov-Dec, Gloucester, MA fishing schooner *Carleton* lost, Georges trip -- 12
 750. 1888 -- Nov-Dec, Gloucester, MA fishing schooner *Joseph O.* lost, Georges trip -- 12
 751. 1888 -- Dec 23, steamer *Kate Adams* burns, Miss. River, Commerce Landing, MS -- ~33
 752. 1888 -- Dec 24, steamer *John H. Hanna* burns, Mississippi River, Plaquemine, LA --21-25
753. 1889 -- Jan 05, steamer *Paris C. Brown* snags and sinks, Hermitage Landing, LA -- 8-11
 754. 1889 -- Feb 09, last sighting, schooner *Annie* leaves San Francisco for Unalaska, AK-- 11
 755. 1889 -- Feb 22, Nova Scotia bark *Josie Troop* wrecks at Chicamacomico, NC -- 11
 756. 1889 -- Mar 02, SF whaling schooner *James A Hamilton* departs San Francisco for AK, lost-- 21
 757. 1889 -- Mar 02, SF CA sealing schooner *Otter* leaves San Francisco for AK, lost -- 23
 758. 1889 -- Mar 16, Portland, ME bark *E.L. Pettengill*, wrecks, Chesapeake Bay -- 14
 759. 1889 -- Mar 26~, Gloucester fishing schooner *Shiloh* reported run down off Cape Cod-- 14
 760. 1889 -- Apr 06, nor’easter, DE/MD/VA/NC, Chesapeake Bay, many vessels lost --25-37
 761. 1889 -- May 13, sidewheel steamer *Alaskan* founders, storm, off Cape Blanco, OR --28-30
 762. 1889 -- Oct 03, steamer *Corona* boiler explos., Mississippi River, False River, LA --38-46
 763. 1889 -- Nov 20, stmr. *Manhattan* sinks, collision, sch. *Agnes Manning*, off Fenwick Isl., DE--12
764. 1890 -- Jan 9~, Gloucester, MA fishing schooner *Alice M. Strople* lost GB Gale? -- 14
 765. 1890 -- Jan 23, bark *Nellie May* (Port Madison WA for SF CA) lost, gale? off Cape Flattery WA--13
 766. 1890 -- Mar-Apr, Gloucester, MA fishing schooner *William W. Rice* lost, Iceland trip-- 16
 767. 1890 -- Apr 26, SF CA ship *Oneida* strands, Oneida Rock, off Sanak Island SW, AK-- 77
 768. 1890 -- July 13, steamer *Sea Wing* capsizes in storm, MS River, Lake Pepin, MN -- 98
 769. 1890 -- Aug 6, Boston schnr. *Magellan*, sunk by the *St. Mary* near Falkland Islands --20-22
 770. 1890 -- Nov 05, 8, schnrs. *Lillie Amoit & John D. Miner* collide, Menominee Hbr., MI-- 25
 771. 1890 -- Nov 24, NY steam-yacht *F.L. Norton*, leaves New London for France, lost -- 10
 772. 1890 -- Nov 27, steamer *T. P. Leathers* burns, Mississippi River, Point Breeze, MS --17-19

¹⁷²⁴ Cross-listed in winter Storms – Nor’easters

MARITIME Events – **Master Set**--Deadliest American-- **CHRONOLOGICAL** (continued):

773. 1891 -- Jan-Feb?, Gloucester, MA fishing schooner, *Veteran* lost, Georges trip -- 12
 774. 1891 -- Feb 21, ship *Elizabeth*, NYC to SF, grounds, Tenn. Cove, Marin Co. CA --17-20
 775. 1891 -- Feb 26, gale, craft lost, lower James Ri. ~Warwick Ri. mouth, Newport News, VA--20-24
 776. 1891 -- Mar 24, steamer *Strathairly* grounds at Chicamacomico, NC -- 19
 777. 1891 -- Aug 12, storm, barge *Republic* deck falls, Cold Spring Harbor, L.I., NY --13-16
 778. 1891 -- Sep, gale, Beverly, MA fishing schnr. *Albert Woodbury* lost ~Nova Scotia --11-12
 779. 1891 -- Sep, Portland ME fishing schooner *City Point* lost, Le Havre Banks trip --12-14
 780. 1891 -- Sep-Oct, Gloucester, MA fishing schooner *Percy* lost, Georges Bank trip -- 12
 781. 1891 -- Oct, MA fishing schooner, *Hattie N. Reed*, lost at sea -- 15
 782. 1891 -- Oct 22, gale, fishing schooner *Red Wing* breaks in surf, ~Indian Riv. Inlet, DE-- 6
 783. 1891 -- Oct 29, stmr. *Oliver Beirne* fire, MS Riv., Millikens Bend, ~Vicksburg MS --15-19
784. 1892 -- Feb 02, SF, CA whaling bark *Tamerlane* strands on rocks, Puna Island, HI --18-19
 785. 1892 -- Feb 19-Mar 02~, gale, schnr. *Tecumseh* strands, Fenwick Isl. Shoals, MD --10-11
 786. 1892 -- June 13, munitions explosion, USS *Boston*, Mare Island Navy Yard, CA¹⁷²⁵ --14-16
 787. 1892 -- July 12, storm, steamer *Frankie Folsom* capsizes, Illinois River, Peoria, IL -- 12
 788. 1892 -- Aug 26, ship *William A. Campbell*, out of Port Townsend, WA sinks, storm --11-14
 789. 1892 -- Aug 30, freighter *Western Reserve* sinks, storm off Sable Banks ~Deer Park, MI-26
 790. 1892 -- Oct 4, Cleveland steam-barge *Nashua* sinks, Lake Huron gale, off Bayfield, Ont.--14
 791. 1892 -- Oct 06, LA CA whaling bark *Helen Mar* crushed by icebergs, Chukchi Sea, AK--27
 792. 1892 -- Oct 28, steamer *W.H. Gilcher* sinks, Lake Mich. storm, ~Manitou Isl. MI --17-21
793. 1893 -- Jan 29, American bark *Cowlitz* left Port Gamble, WA for SF, never seen again-- 14
 794. 1893 -- Mar 21, SF CS seal schooner *Helen Blum* last seen, Shumagin Isles. vic., AK-- 26
 795. 1893 -- May 07, steamer *Ohio* steam flue bursts, Miss. River near Wolf Island, MS -- 13
 796. 1893 -- Aug, Gloucester, MA fishing schooner *Pioneer* lost, Georges Bank trip -- 12
 1893 -- Aug 03, steamer *Rachel* Sinks, Lake George, ~Fourteen Mile Island Hotel, NY-- 9
 797. 1893 -- Aug 24, schooner *Empire State* sinks, storm, off Barnegat, NY -- 10
 798. 1893 -- Aug 24, tugboat *Panther* sinks, storm, SE coast Long Island, NY -- 17
 799. 1893 -- Oct 01-02, Hurricane Cheniere Caminanda, Gulf Coast, LA, MS, AL¹⁷²⁶ --123-127
 800. 1893 -- Oct 3, schnr. *Mary Brown* leaves Sand Point, AK for SF CA; wreck found ~Kennedy Isl., BC~14
 801. 1893 -- Oct 13-14, Great Lakes storm, esp. *Dean Richmond*, *Wocoken*, others, lost --57-68
- | | | | |
|---------|-----------------------|---------------------|-----------------------------------|
| -- 2 | <i>Annie Sherwood</i> | schooner | Lake Superior |
| -- ?5 | <i>Aunt Ruth</i> | schooner | Lake Huron (not certain loss) |
| -- 7-8 | <i>C. B. Benson</i> | schooner, Oct 13, | Lake Erie, off Port Colborne, Can |
| --15-23 | <i>Dean Richmond</i> | propeller freighter | Lake Erie, off Dunkirk, NY |
| -- 6 | <i>Minnehaha</i> | schooner | Lake Michigan |
| -- 6-7 | <i>Riverside</i> | schooner | Lake Erie |
| -- 1 | <i>Volunteer</i> | schooner | Lake Huron |
| --13-14 | <i>Wocoken</i> | freighter | Lake Erie, off Dunkirk, NY |

¹⁷²⁵ Cross-listed in Explosions.

¹⁷²⁶ This is a subset of 1,700-2,000 cross-listed hurricane fatalities, and is a minimum representation of maritime, especially fishing craft, losses, which is a tally of craft identified by name and numbers of crew lost.

- 3 unnamed small boat Lake Erie, off Dunkirk, NY
 - 4 New York mainland
802. 1893 -- Oct 13-14, Great Lakes storm, *Dean Richmond*, *Wocoken*, others, lost --65-73
803. 1893 -- Nov 07, *Albany & Philadelphia* collide, fog, Lake Huron ~Pointe aux Barques, MI--24
804. 1893 -- Dec 15, schooner *Mascot* leaves SF, CA homeport, sealing trip, lost at sea -- 17

MARITIME Events -- **Master Set**--Deadliest American-- **CHRONOLOGICAL** (continued):

805. 1894 -- Jan 12-13~, Gloucester fishing schnrs. *Edwards*, *Flash*, *Henrietta* lost, gale -- 26
806. 1894 -- Mar 12-Jun~, Gloucester fishing schnr. *Ambrose H. Knight* lost, Iceland trip-- 16
807. 1894 -- Apr, Gloucester, MA fishing schooner *Martha and Susan* lost, Georges trip -- 13
808. 1894 -- Apr 10, schooners *Albert W. Smith* and *Kate Markee* wrecked, NJ coast -- 16
809. 1894 -- May 11, SF, Cal. whaling bark *James Allen* hits rock/sinks, Amlia Island, AK-- 25
810. 1894 -- May 15-18, Great Lakes storm, esp. Lake Michigan, 23-28 ships founder --27-35
811. 1894 -- June 24, overloaded (NY excursionists) tug *James D. Nicol*, sinks, Sandy Hook, NJ-- ≥35
812. 1894 --~Sep 30, American ship *Ivanhoe* from Seattle lost in storm off Columbia Riv.?, WA-- 23
813. 1894 -- Oct 25, last comm. from WA seal schooner *George R. White*, Unalaska, AK -- 15
814. 1894 -- Dec 7-8, steamer *Keweenaw* lost in gale, Pacific, Cape Flattery WA vicinity --29-31
815. 1894 -- Dec 7-8, steamer *Montserrat* lost in gale, Pacific, Cape Flattery, WA vicinity-- 29
816. 1895 -- Jan 21, steamer *Chicora* founders, Lake Mich. storm, ~off South Haven, MI--24-26
817. 1895 -- Jan 26, barges towed by *Sea King* founder, storm, off Point Judith, RI -- 12
818. 1895 -- Feb 09, Gloucester schooner *Clara F. Friend* strands, Eastern Head, N.S. -- 12
819. 1895 -- Mar 08, fog, stmr. *Longfellow* hits C&O bridge pier/sinks, OH Riv., Cincinnati, OH--11-13
820. 1895 -- Apr 14, BC Can. sealing schnr. *Walter A Earle* capsizes, storm, off Cape St. Elias, AK- 32
821. 1895 -- Apr 22, storm, Rappahannock River, Middlesex Co., Burham's Wharf, VA -- 10
822. 1895 -- Apr 24, SF, CA seal/fishing schooner *C G White* grounds/storm, Trinity Isl. reefs, AK--11
823. 1895 -- May 27, *Colima* (SF, CA) founders, storm, off Manzanilla, Mexico -- 153
824. 1895 -- Nov 23-Dec, Gloucester fishing schooner *Falcon* lost, Georges Bank trip -- 11
825. 1896 -- Mar 08, Seattle schooner *Lincoln* departs for Kodiak, AK, lost, storm, Pacific--25-43
826. 1896 -- Apr 25, SF seal schooner *Edward E Webster* departs Kodiak, lost, snow squall, AK--29
827. 1896 -- May 10, *Harry Brown* boiler explosion, Miss. River ~Ursina Landing, MS -- 10
828. 1896 -- Oct 14, NY fishing smack *W.W. Story* last seen off Absecon, NJ -- 11
829. 1896 -- Oct 20, steamer *Arago* snags/sinks, Mouth of Coos Bay, OR -- 13
830. 1897 --Aug 12, whaler *Navarch* caught in ice, abandoned off Blossom Shoals, AK --13-16
831. 1897 -- Nov 05, NY freighter *Idaho* sinks, Lake Erie Storm, off Long Point, Ontario-- 19
832. 1897 -- Nov 25, Provincetown, MA sch. *Susan R. Stone* sails for West. Bank, lost -- 19
833. 1898 -- Jan 31-Feb 01, storm, maritime fatalities, MA coast, esp. Gloucester area --17-35
834. 1898 -- Feb 05, gale, Seattle schnr. *Clara Nevada* grounds/sinks ~Eldred Rock, AK -82-104
835. 1898 -- Feb 15, battleship *USS Maine* magazine explosion, Havana Hbr., Cuba¹⁷²⁷ 263-268
836. 1898 -- Mar 20/21, bark *Helen W. Almy* capsizes in gale near Point Bonita, CA --40-41

¹⁷²⁷ Cross-listed under Explosions.

837. 1898 -- May 22, squall, Seattle schooner *Jane Gray* takes on water/sinks W of Cape Flattery, WA-34
 838. 1898 -- June 28, storm, steamer *Jessie V.* swamped, Kuskokwim River mouth, AK -- 18
 839. 1898 -- Aug 02, hurricane, tugboat *Nimrod* capsizes, crew lost, off Cape San Blas, FL-- 12
 840. 1898 -- Nov 17, clipper *Atalanta* grounds on reef near Seal Rocks north of Alsea, OR-- 23
 841. 1898 -- Nov 26-27, Portland Gale, NY & MA maritime, esp. *SS Portland*, MA -- ~300
 --127-176 Side-wheel steamer, *SS Portland*, off Cape Cod.
 -- 15 *F. R. Walker*, fishing schooner, off Cape Cod.
 -- 16 steamer *Pentagoet*, off Cape Cod.

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

842. 1899 -- Jan 14/15, sailing ship *Andelana* sinks while moored at Tacoma, WA --17-20
 843. 1899 -- Feb 14~, Gloucester MA Schooner *A.M. Burnham* lost on Brown's Bank -- 12
 844. 1899 -- Mar 07, Steamer *James Bowen* Founders off Hog Island, VA -- 10
 845. 1899 -- Apr 04, *Chilkat* Wrecks in "Heavy Sea," Humboldt Bay Bar, CA -- 10
 846. 1899 -- Apr 22, lifeboat from foundered stmr. *General Whitney* capsizes ~Cape Canaveral, FL--12
 847. 1899 -- Oct 30, Steamer *George L. Colwell* Founders, Gale off Coast of SC -- 12
 848. 1899 -- Dec 05, Freighter *Niagara* sinks, Lake Erie Storm, 10m E of Long Pt. Ontario-- 12
 849. 1899 -- Dec 24, British freighter *Ariosto* strands, lifeboat drownings, Ocracoke, NC -- 21
850. 1900 -- June 30, North German Lloyd Line fire, piers and ships, Hoboken, NJ --325-400
 -- 9 *Bremen* (crew). Hoboken Historical Museum.
 -- 0 *Kaiser Wilhelm der Grosse*. Hoboken Historical Museum.
 -- 44 *Main*. Hoboken Historical Museum. CD-ROM: The 1900 Hoboken Pier Fire.
 -- 99 *Saale*. Eastlake, Russell, Sharpe. *World Disasters*. "Saale, New York." 2001, p. 30.
 --173 "...on the piers." Hoboken Historical Museum.
851. 1900 -- Aug 2-3, storm, steamers *Merwin*, *Resolute* and *Dollar* "wreck," AK -- 15
 852. 1900 -- Aug 7, storm, maritime losses, Nome vicinity, AK -- 38
 853. 1900 -- Sep 12, freighter *John B. Lyon* sinks, Lake Erie storm, off Ashtabula, OH -- 11
 854. 1900 -- Sep 12-13, southeaster gale, off-shore Natives in boats, inshore, Nome AK¹⁷²⁸ >100
 855. 1900 -- Sep 14, Gloucester, MA fishing schooner *Sigfrid* sails for Quero Bank, lost -- 13
856. 1901 -- Jan 22, Gloucester, MA schooner *Commonwealth* sails for Georges Bank, lost-- 14
 857. 1901 -- Feb 22, *City of Rio de Janeiro* grounds/sinks, fog, Fort Point, SF Bay CA¹⁷²⁹--127-131
 858. 1901 -- May 12, *City of Paducah* snags/sinks, MS Ri., ~Brunkhorst Landing, IL --15-27
 859. 1901 -- May 24, Lake Huron storm, steamer *Baltimore* sinks off Au Sable Pt., MI --12-13
 860. 1901 -- Aug 15, Can. steamer *Islander* hits iceberg/sinks off Douglas Isl. ~Juneau, AK --42-53
 861. 1901 -- Aug 19, steamer *City of Golconda* turtles, windstorm, OH River ~Paducah, KY --15-22
 862. 1901 -- Aug 28, *City of Trenton*, Boiler Explodes, Delaware River, ~Torresdale, PA--26-28
 863. 1901 -- Sep 16, Gloucester, MA Schooner *Lolanthe* departs for cod fishing trip, lost-- 14
 864. 1901 -- Sep 16, steamer *Hudson* sinks, Lake Superior gale ~8m off Eagle River, MI --24-25
 865. 1901 -- Dec 2, steamer *Matteawan* leaves Nanaimo, BC for San Fran., CA, lost in gale-- 33

¹⁷²⁸ A hurricane-like southeaster gale which produced a storm surge into Nome and high waves destroying buildings along waterfront. We have seen reference to 18-19 specific deaths at Nome, mostly drowning. Cross-listing in Maritime in that over 100 Natives were reported drowned trying to cross from Kings Island to mainland in umiaks.

¹⁷²⁹ Cross listed in Fog as Contributing Factor.

MARITIME Events – **Master Set** -- **Deadliest American** – **CHRONOLOGICAL**, continued:

866. 1902 -- Jan 02, steamer *Walla Walla* hit by bark *Max*, 9m off Cape Mendocino, CA --36-43
867. 1902 -- Jan 25, Gloucester, MA fishing schooner *Alva* sails for Georges Bank, Lost -- 17
868. 1902 -- Feb 02, *Belle of Oregon*, *Antelope*, *Mystic Bell* lost, near Fire Island, NY -- 13
869. 1902 -- Mar 12, steamer *Providence* grounds in storm, Davis Bend, LA -- 19
870. 1902 -- Mar 17, Monomoy Station lifeboat capsizes off Chatham, MA -- 12
871. 1902 -- Apr 20, steamer *City of Pittsburg* fire, Ohio River near Ogden's Landing, KY-- ~64
872. 1902 -- July 17, sudden squall, excursion party boat capsizes near Appledore Is. ME-- 14
873. 1902 -- Oct 13, storm, *C.B. Lockwood*, lifeboat lost, Lake Erie, off Fairport Harbor, OH-- 10
874. 1902 -- Nov 23, MI freighter *Silvanus J. Macy* sinks, Lake Erie storm, off Port Burwell, Ont.-13-14
875. 1902 -- Dec 03, ship *Progreso* fuel tank explosion, Fulton Shipyard, San Fran., CA -- 12
876. 1902 -- Dec 05, schooner *Wesley M. Oler* founders off Hatteras Inlet, NC -- 10
877. 1902 -- Dec 17, schooners *Louise B. Crary*/*Frank A. Palmer* collide, Gloucester MA-- 11
878. 1902 -- Dec 17, last sighting, Gloucester fishing schmr. *Annie Wesley*, off Sable Island-- 14
879. 1902 -- Dec 21, last sighting of American ship *Florence*, Tacoma, WA for Honolulu-- ~15
880. 1903 -- Jan 2, bark *Prince Arthur* grounds/breaks on rocks 12m so. of Ozette Riv., WA-- 18
881. 1903 -- Feb 17, steamer *Olive* sunk, tornado, Chowan Riv., Woodley's Pier, NC¹⁷³⁰ --14-18
882. 1903 -- Mar 07, ferryboat capsizes, Hudson River, Spier falls ~Glens falls, NY --17-19
883. 1903 -- May 5, fog, Gloucester, MA fishing Sch. *Gloriana* grounds, White Point, NS¹⁷³¹ 15
884. 1903 -- May 5, fog, steamer *Saginaw* sinks, liner *Hamilton* collis. ~Hog Island, VA¹⁷³²--15
885. 1903 -- Aug, hurricane, steamer *George W. Kelley* lost, Caribbean, for New Orleans-- 19
1903 -- Sep 11, hurricane, British steamer *Inchulva* grounds/breaks-up, Delray Beach FL-9
886. 1903 -- Sep 15-17, maritime component, Mid-Atlantic coast hurricane¹⁷³³ --90-107
887. 1903 -- Oct 3, steamer *Erie L. Hackley* sinks, Lake MI storm, Green Bay ~Green Isl., WI--11
888. 1903 -- Oct 19, steamer *South Portland* grounds, Cape Blanco, OR -- 19
889. 1903 -- Nov 02, storm, WA steamer *Discovery* founders, off Lituya Bay, SE coast AK--26-30
890. 1904 -- Jan 8/9, storm, steamer *Clallam* floods/sinks, Strait of San Juan de Fuca/east, WA--56
891. 1904 -- Feb 27, steamship *Queen* fire/drownings, off coast of OR -- 14
892. 1904 -- Apr 13, battleship *Missouri* magazine explosion, off Pensacola, FL¹⁷³⁴ --32-34
893. 1904 -- May 26, tow *Fred Wilson* boiler explosion, West Louisville, KY -- 11
894. 1904 -- June 15, fire, *General Slocum* excursion steamer, East River, NYC, NY--957-1,031
895. 1904 -- Dec 07, SF CA fishing schr. *Pearl* departs; wreck found Mar 7 ~Sanak Isl., AK--36
896. 1905 -- Jan 03, towboat *Defender* boiler explosion, OH River, near Huntington, WV-- 9-20
897. 1905 -- July 07, drownings at log jam, Chippewa River, Little falls Dam, WI -- 11
898. 1905 -- July 21, USS *Bennington* Gunboat Boiler Explosion, San Diego, CA --60-65
899. 1905 -- Aug 28, steam freighter *Peconic* founders in gale, Atlantic, off Fernandina, FL-- 20

¹⁷³⁰ Cross-listed in Tornadoes.

¹⁷³¹ Cross-listed in Fog as a Contributing Factor.

¹⁷³² Cross-listed in Fog as a Contributing Factor.

¹⁷³³ Cross-listed in Hurricanes (total life lost, 125) – includes Sch. *George F. Edmunds* (15 lives lost)

¹⁷³⁴ Cross-listed under Explosions.

900. 1905 -- Sep 2-3, *Iosco & Olive-Jeanette* sink, Lake Sup. storm, E of Keweenaw Pen., MI--26
 901. 1905 -- Oct 19/20, Great Lakes storm, at least 27 wood vessels lost, esp. *Kaliyuga* -- ≥44
 -- 5 *Emma L. Neilsen*, schooner, stranded, Presque Isle Bay, MI, Lake Huron.
 -- 2 *John V. Jones*, schooner, Lake Michigan.
 -- 1 *Joseph S. Fay*, steamer, near Rogers City, MI, Lake Huron.
 --17 *Kaliyuga*, steamer, lost, last seen 5m off Presque Isle, MI, Lake Huron.
 -- 9 *Minnedosa*, schooner (Canadian), foundered off Harbor Beach, MI. L. Huron.
 -- 2 *Sarah E. Sheldon*, schooner, off Loraine near Lincoln, OH, Lake Erie.
 -- 8 *Tasmania*, schooner-barge, foundered, SW Shoal, Pelee Island, Lake Erie.
 902. 1905 -- Nov 13~, storm, WA fish schnr. *Nellie Coleman* lost off Cape Yakataga, AK -- ≥30
 903. 1905 -- Nov 28, freighter *Ira H. Owen* sinks, Lake Superior storm, ~Outer Island, WI-- 19
 904. 1905 -- Nov 27-29, Lake Sup. storm, *Mataafa/9 Edenborn/1 Lafayette/1* wreck ~Duluth MN-- 11

MARITIME Events – **Master Set**--**Deadliest American**-- **CHRONOLOGICAL** (continued):

905. 1906 -- Jan 13, schooner *Robert H. Stevenson* grounds, Diamond Shoals, NC -- 12
 906. 1906 -- Jan 22, storm, liner SS *Valencia* grounds/sinks, so. side Vancouver Island, BC~136
 907. 1906 -- Feb 24, SF CA steamer *Centennial* departs Hakodate, Japan for San Fran., lost-- 38
 908. 1906 -- Apr 06, last sighting, bark *Nicholas Thayer*, heavy gale off Seal Rocks AK --10-16
 909. 1906 -- Apr 13, battleship USS *Kearsarge* turret powder fire off Cape Cruz Cuba -- 10
 1906 -- June 11, gasoline steamer *Corinthian* grounds, Humboldt Bar, CA¹⁷³⁵ -- 2
 910. 1906 -- July 29, capsized of gas sloop *Nora* (9) & gas launch *Alva B.* (1), Anglesea, NJ-- 10
 911. 1906 -- Sep 26-26, Gulf Coast hurricane, lives lost on ≥6 schooners, AL, FL, MS -- 15
 912. 1906 -- Oct 18, sidewheel steamer *St. Lucie* founders, hurricane, Elliot Key, FL¹⁷³⁶ -- 21
 913. 1906 -- Nov 18, steamers *Dix* and *Jeanie* collide, *Dix* sinks, Puget Sound, WA --42-45
 914. 1906 -- Nov 21-22, Great Lakes storm, U.S. and Canadian losses (esp. maritime) --38-39
 915. 1906 -- Dec 19, steamer *W.T. Scovell* boiler explodes, ~Vicksburg, Gold Dust Lndg. LA--13-16
 916. 1907 -- Feb 11, sidewheel steamer *Larchmont* hit by schooner, sinks off Block Harbor, RI-- 133-183
 917. 1907 -- Feb 22, steamer *Marion* burns, Wadmalaw Sound, Hart's Landing, SC --12-24
 918. 1907 -- Apr ?, schooner *Argo* strands/breaks-up on Lake MI beach near Manistee, MI-- 14
 919. 1907 -- Apr 2/3, ship *Arthur Sewall* lost at sea after sailing from Philadelphia, PA -- 28
 920. 1907 -- Apr 10, bark *Adolph Obrig* lost after sailing from NYC, NY -- 18
 921. 1907 -- Apr 13-14, steam barge *Arcadia* sinks, Lake Michigan, off Big Sable, MI --11-14
 922. 1907 -- June 11, battleship *Minnesota* launch run-down, Hampton Roads, VA -- 11
 923. 1907 -- July 15, USS *Georgia* gun turret powder explosion off Cape Cod, MA -- 10
 924. 1907 -- July 21, liner *Columbia* hit by sch. *San Pedro*, fog, sinks ~Shelter Cove, no. CA--80-88
 925. 1907 -- Oct 22, Gloucester, MA fishing sch. *Clara G. Silva* loses five dories, storm -- 10
 926. 1907 -- Oct 11, freighter *Cyprus* sinks, Lake Superior storm, 19m off Deer Park, MI--21-22
 927. 1907 -- Nov 24, last contact with ship *Bangalore*, Norfolk VA to Honolulu, HI -- 21

¹⁷³⁵ Noted herein only because there are reports to be found noting that all twelve of the crew lost their lives. One such source is the US Bureau of Navigation *List of Merchant Vessels of the United States for the Year Ending June 30, 1906*. A multi-page report on this loss in the U.S. Life-Saving Service report for the fiscal year, and newspaper accounts, make it clear, however, that two lives were lost and ten saved themselves or were rescued.

¹⁷³⁶ 164 deaths are attributed in total to the Oct 18-21, 1906 Florida Keys Hurricane.

928. 1908 -- Jan/Feb, Gloucester fishing schooner *Northern Eagle*, lost, Gulf of Mexico -- 9-10
 929. 1908 -- Jan 8, SF schmr. *John F. Miller* grounds, gale, East Anchor Cove, Unimak Isl., AK-- 10
 930. 1908 -- Jan ~23, steamer *Bluefields* founders, storm off Cape Hatteras, NC -- 18
 931. 1908 -- Feb 14, ship *Emily Reed* grounds, Nehalem Beach, OR -- 11
 932. 1908 -- Apr 26, *Miriam* hit by "cyclone," Capsizes, Miss. River, ~Hardins Pt. AR -- 11
 933. 1908 -- May 02, gale, stmr. *Minnie E. Kelton* floods/adrift/men washed off, Yaquina Head OR--11
 934. 1908 -- May 26, Boston sch. *Fame*/UK steamer *Boston* collide, fog, Cashes Bank¹⁷³⁷-- 18
 935. 1908 -- July 24, bark *Auburndale* lost from Turks Island, Carib., to Philadelphia PA-- 10
 936. 1908 -- Aug 27, last report from ship *Fort George*, NY, NY to Honolulu, HI -- 20
 937. 1908 -- Sep 1, drownings, sloop capsizes in squall, Penobscot Bay off Deer Isle, ME-- 7
 938. 1908 -- Sep 20, SF CA bark *Star of Bengal* grounds/wrecks, Coronation Island, AK--111-112
 939. 1908 -- Nov 21, steamer *H.M. Carter* boiler explosion/fire, MS Riv., Bayou Goula, LA --10-11
 940. 1908 -- Dec 01, steamer *D.M. Clemson* sinks, Lake Superior storm ~Whitefish Pt., MI-- 24
 941. 1908 -- Dec 02, U.S. steamer *Soo City* lost in storm, Gulf of St. Lawrence -- 19

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

942. 1909 -- Jan 25, schooner *William C. Tanner* lost, Rockport, MA to Key West, FL -- 10
 943. 1909 -- May 01-02, steamer *Adella Shores* sinks, Lake Superior gale, off Grand Isl., MI--14
 944. 1909 -- May 18, drownings, overloaded launch sinks, OH River, ~Schoenville, PA --20-26
 945. 1909 -- June 06, ship hits wharf, collapses, Mandeville, Lake Pontchartrain LA -- 11
 946. 1909 -- July 12, Fog, SS *John B. Cowle* hit by *Scott*/sinks, Lake Superior off Whitefish Pt., MI¹⁷³⁸-14
 947. 1909 -- July 18, sloop *Roxana* capsizes, and other drownings, N. Y. Bay --19-22
 948. 1909 -- Aug 18, Gloucester, MA schooner *Orinoco* capsizes, Sambro, Nova Scotia -- 11
 949. 1909 -- Oct 11, tug *Sybil* wrecks, hurricane, off southern coast of FL -- 11
 950. 1909 -- Dec 08, coal car ferry *Marquette & Bessemer No. 2* lost, Lake Erie storm --30-38
 951. 1909 -- Dec 8, PA steamer *Clarion* fire, lifeboat loss, Lake Erie ~SE Shoal, Pt. Pelee, Can.--15
 952. 1909 -- Dec 13, schr. *Governor Ames* wrecks, storm, Wimble Shoals, Cape Hat. NC--11-13
 953. 1909 -- Dec 23, schooner *Susie M. Plummer* abandoned, Cape Flattery, WA -- 10
 954. 1909 -- Dec 24, steamer *Columbia* Lost, out of NYC, NY to Port au Prince Haiti -- 11
 955. 1909 -- Dec 26, schooner *Davis Palmer* founders off Boston Harbor, MA -- 14
956. 1910 -- Jan 12, steamer *Czarina*, hit by large wave, grounds on Coos Bay Bar, OR --22-24
 957. 1910 -- Jan 22, schooner *Henry B. Fiske of Boston*, capsizes off Nantucket MA -- 8-10
 958. 1910 -- Feb 06, US Navy tug *Nina* departs Norfolk, sinks in gale, Fenwick Isl. Shoals, DE--31-33
 959. 1910 -- May 11, *City of Saltillo* grounds on rock, sinks, Glen Park, MO -- 12
 960. 1910 -- May 23, *Frank H Goodyear* hit/sinks, Lake Huron, ~Pt. Aux Barques MI -- 23
 961. 1910 -- May 23, fog, *Frank H. Goodyear* hit by *Wood*, sinks, Lake Huron ~Pt. Aux Barques MI-17-19
 962. 1910 -- Oct 1, battleship *New Hampshire* launch capsizes, Hudson River, NY --23-31
 963. 1910 -- Oct 11-14, steamship *Arkadia* lost, New Orleans, LA to San Juan, P.R. -- 37
964. 1911 -- Jan 10, barges *Trevorton/Corbin/Pine Forest* wreck, Cape Cod, MA -- 17
 965. 1911 -- Jan 21~, Gloucester Sch. *Ella M. Goodwin* departs Bay of Islands, NFL, lost-- 10
 966. 1911 -- Jun 12, storm, fishing boats capsized, James River & Hampton Roads, VA -- 15

¹⁷³⁷ Cross listed in Fog as Contributing Factor.

¹⁷³⁸ Cross-listed in Fog as a contributing factor.

967. 1911 -- Jun 24, *City of St. Joseph*, flue collapse, Miss. River, Presidents Island, TN --20-22
 968. 1911 -- July 07, steamer *Santa Rosa* grounds north of Point Arguello, CA -- 12
 969. 1911 -- July 28, New England coastal storm, craft lost (esp. *Nokomis*), esp. MA -- 11
 970. 1911 -- Aug 26, schooner *Margaret A. May* founders, Kiawah Island, SC -- 10
 971. 1911 -- Nov 12, storm, steam barge lost off NY Harbor, NY -- 14

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

972. 1912 -- Feb 29, steamer *J.E. Trudeau* burns, Belle River, LA -- 10
 973. 1912 -- Mar 15, Gloucester MA schooner *Patrician* founders, Jordan Bay, Nova Scotia--10
 974. 1912 -- Apr 14, RMS *Titanic* hits iceberg/sinks (1,517 total fatalities¹⁷³⁹) Atlantic -- 119
 975. 1912 -- Nov 23, schooner *Rouse Simmons* sinks, Lake MI storm, 12m NE Two Rivers WI--~17
 976. 1912 -- Dec 15, schooner *S.O. Co. No. 87* Founders, Gulf of Mexico -- 10
977. 1913 -- Jan 1-25, steamer *El Dorado* lost, from Sparrow Point, MD to Galveston, TX-- 39
 978. 1913 -- Jan 03, *Julia Luckenbach* collision in fog/sinks near Tangier Island, VA¹⁷⁴⁰ -- 16
 979. 1913 -- Jan 07, *Rosecrans* grounds, storm, mouth Columbia Riv., Peacock Spit, OR --30-36
 980. 1913 -- Jan 09, *Jas. T. Staples* boiler explosion, Tombigbee River, near Mobile, AL --15-16
 981. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD¹⁷⁴¹ -- 55
 982. 1913 -- Apr 06, grounded barque *Mimi* capsizes during salvage, Nehalem Spit, OR -- 18
 983. 1913 -- May 02, steamer *Concordia* hits RR bridge, sinks, Tensas River, Clayton, LA-- 22
 984. 1913 -- June 9, whaling steamer *A. T. Gifford* leaves New Bedford, MA, lost at sea -- 15
 985. 1913 -- June 28, raft ferry sinks, drownings, Kiskiminetas River, near Leechburg, PA-- 10
 986. 1913 -- Aug 17, SF steamer *State of California* hits rock/sinks, Gambier Bay, Admiralty Is. AK-31-32
 987. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost¹⁷⁴²-US 172-192 of 254-277
 988. 1913 -- Dec 26, barges *A.G. Ropes & Undaunted* founder, off Barnegat, NJ -- 10
989. 1914 -- Jan 04, steamer *Oklahoma* breaks-up/sinks/rough sea, off Sandy Hook, NJ --26-32
 990. 1914 -- Jan 30, steamers *Monroe & Nantucket* collide, fog off Hog Island, VA¹⁷⁴³ -- 41
 991. 1914 -- Apr 28, steamer *Benjamin Noble* sinks, Lake Superior gale, ~Knife Isl. MN --16-20
 992. 1914 -- May 11, steamer *Jefferson* boiler scalding, Norfolk, VA to NYC -- 11
 993. 1914 -- May ~15, steamer *F.J. Luckenbach*, FL to Baltimore, lost off coast of SC? -- 29
 994. 1914 -- July 4, gas launch *Superba/Superb* capsizes, storm, Lynn Canal ~Skagway, AK--15
 995. 1914 -- Aug 26, fog, steamers collide, *Admiral Sampson* sinks, Puget Sound, off Pt. No Pt., WA--12-16
 996. 1914 -- Sep 18, storm, steamer *Francis H. Leggett* founders, off Coast OR -- 65
 997. 1914 -- Oct 31, schooner *Lizzie Lee* leaves New Bedford MA for Cape Verde, lost -- 11
 998. 1914 -- Nov 19, storm, steamer *C.F. Curtis*/two barges sink near Grand Marais, MI --27-28
 999. 1914 -- Nov 23, steamer *Hanalei* grounds, Duxbury Reef, near San Francisco, CA -- 23
1000. 1915 -- Jan 24-5, schooner yacht *Idler* grounds, Diamond Shoals ~Cape Hatteras NC-12-15
 1001. 1915 -- Mar 25, USN Submarine *Skate* (F-4) Sinks, near Honolulu Harbor, HI -- 21

¹⁷³⁹ Of the 1,517 fatalities, 119 were U.S. citizens. The Titanic was headed for New York. (J.R. Henderson)

¹⁷⁴⁰ Cross-listed in Fog as a Contributing Condition.

¹⁷⁴¹ Cross-listed in Explosions.

¹⁷⁴² Cross-listed in winter Storms (though technically late fall, the storm itself was winter snow and wind storm).

¹⁷⁴³ Cross-listed in Fog as a Contributing Condition.

1002.	1915 -- Apr 03, Storm, <i>Cumberland</i> , 2 Barges Wreck, Cape Henlopen, DE	-- 10
1003.	1915 -- Apr 03, Steamer <i>Edward Luckenbach</i> Founders, False Capes, VA	-- 15
1004.	1915 -- Apr 03, steamer <i>Prinz Maurits</i> wrecks, off Cape Hatteras, NC	-- 49
1005.	1915 -- Apr 05, Gale, Schooner <i>John B. Manning</i> found bottom-up 20m N, Hatteras NC-10	
1006.	1915 -- May 07, RMS <i>Lusitania</i> torpedoed, German submarine (1,198 killed) ¹⁷⁴⁴	-- 128
1007.	1915 -- July 24, crowded steamer SS <i>Eastland</i> rolls-over at dock, Chicago, IL	--812-844
1008.	1915 -- Aug 14-15, United Fruit Co. steamer <i>Marowijne</i> sinks, hurricane, Gulf of Mx.--87-98	
1009.	1915 -- Aug 16-17, dredgeboat <i>Sam Houston</i> Grounds, Hurricane, Highland, TX ¹⁷⁴⁵ --	50
1010.	1915 -- Aug 16-17, U.S. dredger <i>San Bernardo</i> Grounds, Hurricane ~Galveston ¹⁷⁴⁶ --	19
1011.	1915 -- ~Aug 22, Boston schooner <i>Maude Palmer</i> sinks, Gulf of Mexico	-- 11
1012.	1915 -- Nov 02, steamer <i>Santa Clara</i> grounds, unchartered shoal, Coos Bay Bar, OR--12-16	
1013.	1915 -- Dec 23, NY steamer <i>Orleanian</i> leaves NYC for Malta, not heard from again--	36

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1014.	1916 -- freight steamer <i>Frederick</i> lost at sea, North Atlantic	-- 33
1015.	1916 -- Jan 04, gas fumes explosion, oil tanker steamer <i>Aztec Norge</i> , Erie Basin, NY--	13
1016.	1916 -- Jan 05, steamer <i>Kanawha</i> hits tower, storm, capsizes, OH Ri. ~Parkersburg, WV--16	
1017.	1916 -- Jan 18, gale, Can. halibut trawler <i>Onward Ho</i> lost (icing capsized) ~Cape Fairweather AK-34	
1018.	1916 -- Feb 02, steamer <i>Sam Brown</i> boiler explosion, Huntington, WV	-- 11
1019.	1916 -- Apr 07, schooner <i>Bertha L. Barker</i> lost at sea, out of New York, NY	-- 13
1020.	1916 -- May 08, freighter <i>Kirby</i> sinks, Lake Superior storm 8m no. of Eagle Harbor MI-20	
1021.	1916 -- May 09, steamer <i>Roanoke</i> founders off Point Buchon, CA	--45-47
1022.	1916 -- June 5, tornado, packet-boat <i>Eleanore</i> capsizes, MS River ~Memphis, TN --12-30	
1023.	1916 -- July 14, <i>Ramos</i> founders, from Philly PA to Cartagena, Columbia	-- 11
1024.	1916 -- July 17, steamer <i>C.W. Morse</i> leaves NY, NY, not heard from again	-- 25
1025.	1916 -- Aug 16, cargo ship <i>Admiral Clark</i> founders, storm, off San Antonio, TX	-- 20
1026.	1916 -- Aug 29, cruiser USS <i>Memphis</i> driven to shore by giant waves, Dom. Rep.	-- 41
1027.	1916 -- Oct 20-21, <i>Merida, D.L. Flyer, James B. Colgate</i> sink in Lake Erie storm	--54-59
1028.	1916 -- Dec 26, steamer <i>Maryland</i> lost, Atlantic, 300 miles off NY	--26-34
1029.	1917 -- Mar 06, ship <i>Timandra</i> lost after leaving Norfolk, VA	-- 19
1030.	1917 -- Mar 16, <i>Vigilancia</i> torpedoed by German Sub (NY to Archangel)	-- 15
1031.	1917 -- Mar 21, steamer <i>Healdton</i> torpedoed, German submarine, North Sea ¹⁷⁴⁷	-- 19
1032.	1917 -- Apr 01, U.S. steamer <i>Aztec</i> hit by German torpedo, off France	-- 29
1033.	1917 -- Jun 30, <i>Christopher Columbus</i> hits wharf/water-tank falls, Milwke. Riv. WI--15-18	
1034.	1917 -- Sep 03, bark <i>Alice Knowles</i> founders 200 miles northeast of Bermuda	-- 31
1035.	1917 -- Sep 05, whaling brig <i>Viola</i> sails, not seen again, out of New Bedford, MA	-- 19
1036.	1917 -- Dec 08, <i>Eugene F. Moran</i> founders, storm, off Atlantic City, NJ	-- 13
1037.	1917 -- Dec 17, USN sub <i>F-1</i> collides with <i>F-3</i> , sinks off Coast of San Diego, CA	-- 19
1038.	1918 -- Feb 26, US Naval tug <i>Cherokee</i> founders in storm, Delaware Capes, DE	-- 30

¹⁷⁴⁴ Though a British boat, 128 U.S. citizens were killed; considered a disaster at the time.

¹⁷⁴⁵ Cross-listed in Hurricanes as a subset. There were 275-352 total fatalities.

¹⁷⁴⁶ Cross-listed in Hurricane as a maritime subset.

¹⁷⁴⁷ U.S. was not at war at the time. Congress declared war on April 6, 1917.

1039. 1918 -- Feb 28, American schooner *Americana* clears Columbia Riv. bar, lost at sea, Pacific--11
 1040. 1918 -- Mar 09, last sighting, collier USS *Cyclops*, north of Virginia Capes, VA --290-324
 1041. 1918 -- Mar 19, tug *W.A. Bisso*, sinks in collision near New Orleans, LA -- 13
 1042. 1918 -- Apr 05, ship *Avon* departs NY, NY, not heard from again, presumed lost -- 17
 1043. 1918 -- May 01, steamship *City of Athens* sinks in collision off Coast of DE -- 67
 1044. 1918 -- June 02, lifeboat from *Carolina* (sunk by U-151) capsizes, storm, off NJ -- 16
 1045. 1918 -- July 03, whaler schooner *Pedro Varela* lost after departs New Bedford, MA-- 16
 1046. 1918 -- July 05, steamer *Columbia* snags/sinks, fog, IL Riv., Wesley City, Pekin, IL-87-88
 1047. 1918 -- Aug 27, USS *SC-209* Sub Chaser Sunk by USCG, so. of Long Island, NY --17-18
 1048. 1918 -- Sep 17, storm, Cal. steamer *San Gabriel* founders off Cape Lucas, Mexico -- 20
 1049. 1918 -- Sep 20-Oct 2, Navy transport *America*, influenza outbreak, Atlantic/France -- 55
 1050. 1918 -- Sep 29-Oct, Navy transport *Leviathan*, influenza epidemic, Atlantic Ocean -- 91
 1051. 1918 -- Oct (early) Navy transport *Siboney*, influenza epidemic, Atlantic Ocean -- 38
 1052. 1918 -- Oct 03, *Lake City & James McGee* Collide, American Shoal Light, FL -- 30
 1053. 1918 -- Oct 04, steamer *San Sabo* strikes mine, 15 miles SW of Barnegat, NJ¹⁷⁴⁸ -- 30
 1054. 1918 -- Oct 4/5, collier USS *Herman Frasch* collision (*Henry*) ~Cape Sable NS --17-25
 1055. 1918 -- Oct 16, steamer *Dumarú* hit by lightning, burns, Pacific, ~20 miles off Guam-- 18
 1056. 1918 -- Oct 25, *Princess Sophia* (Can.) strands, Vanderbilt Reef ~Juneau AK¹⁷⁴⁹--343-364
 1057. 1918 -- fall/winter, cruiser *Pittsburgh*, influenza epidemic, Rio de Janeiro Brazil -- 58
 1058. 1918 -- Dec 03, *Manola* founders, storm, Lake Ontario near Duck Island, Canada -- 11
 1059. 1918 -- Dec 19, tanker *George Loomis* leaves SF CA for OR, sinks/storm, so. OR coast--18-19

MARITIME Events -- **Master Set** -- **CHRONOLOGICAL** (continued):

1060. 1919 -- Jan 10, steamer *Yuna* grounds, Mouchoir Bank, Bahamas -- 64
 1061. 1919 -- Jan 15, whaling schooner *Ellen A. Swift* leaves New Bedford, MA, lost -- 14
 1062. 1919 -- Mar ~28, Boston tug *Charles W. Parker, Jr*, Norfolk to Boston, storm/lost -- 17
 1063. 1919 -- Apr 28 U.S. Navy launch hits log, capsizes, Hudson River, NY, NY -- 13
 1064. 1919 -- May 23, steamer *Virginia* fire ~Potomac Riv. mouth, Chesapeake Bay, MD-- 6-15
 1065. 1919 -- July 04, pleasure steamer *Reliance* snags and sinks, Lake Madison, SD --15-16
 1066. 1919 -- July 25, Springfield Boys' Club boat capsizes, Big Pond, East Otis, MA -- 11
 1067. 1919 -- Sep 9-10, hurricane, *Corydon, Grampus, Larimer, Lake Conway, Munisla* lost-127
 1919 -- Sep 8, last communication, steam tanker *Larimer*, 8m south of Key West, FL¹⁷⁵⁰-- 36
 1919 -- Sep 9~, freighter *Lake Conway* lost, storm?, Atlantic/Gulf of Mexico --31-32
 1919 -- Sep 9-10~, cargo steamer *Munisla* lost (hurricane?), Mobile, AL for Havana --28-30
 1068. 1919 -- Sep 12, Spanish liner *Valbanera* sinks off Rebecca Shoal, Dry Tortugas, FL-- 488
 1069. 1919 -- Oct 28, sidewheel *Muskegon* hits pier/sinks, Lake Michigan, Muskegon, MI --23-24
 1070. 1919 -- Nov 07-9, Baltimore MD steamer *Polar Land* founders off Scatarie Isl. NS -- 51
 1071. 1919 -- Nov 12-13, freighter *John Owen* sinks, Lake Superior storm, SE of Caribou Isl., MI-22
 1072. 1919 -- Nov 19-Dec, Providence, RI schooner *T.W. Allan* founders, Bay of Fundy -- 26
 1073. 1919 -- Nov 22, steamer *Myron* sinks, Lake Superior gale, off Whitefish Point, MI -- 16
 1074. 1919 -- Dec 17, schooner *Sunbeam* wrecks (grounds), off Currituck, NC -- 18
 1075. 1919 -- Dec 18, steamer *J.A. Chanslor* hits rocks in fog, sinks off Cape Blanco, OR--37-38

¹⁷⁴⁸ Cross-listed in Violence-Attack.

¹⁷⁴⁹ Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.

¹⁷⁵⁰ Included, as well, in Sep 10-14. 1919 Hurricane.

1076. 1919 -- Dec 26, schooner *Eleanor A. Percy* founders off coast of Ireland -- 13

MARITIME Events – **Master Set**--Deadliest American-- **CHRONOLOGICAL** (continued):

1077. 1920 -- Jan 26, steamer *Mieler* sinks in storm off Coast of FL -- 22
1078. 1920 -- Jan 29, steamer *Samuel Faunce* lost, Wilmington, NC to Key West FL¹⁷⁵¹ -- 13
1079. 1920 -- Feb 01, steamer *Fortune* lost off Jekyll Island, GA -- 13
1080. 1920 -- Feb 06, steamer *Polias*, snowstorm, hits Old Cilley Ledge, Penobscot Bay, ME--11
1081. 1920 -- Feb 19, schooner *Henry W. Cramp* lost, Norfolk VA to Dominican Rep. -- 10
1082. 1920 -- Feb 29, steamer *Cubadist* lost from Cuba to Baltimore, MD -- 37
1083. 1920 -- Apr 18, steamer *William O'Brien* out of NYC, lost in storm, Atlantic -- 40
1084. 1920 -- Aug 20, freighters collide, *Superior City* explos./sinks, Lake Superior, Whitefish Bay, WI-29
1085. 1920 -- Oct 29, schooner *Cape Fear & City of Atlanta* collide, Narragansett Bay, RI-- 19
1086. 1920 -- Nov 18, motorboat fire, lumbermen drownings, Chesuncook Lake, ME -- 16
1087. 1920 -- Nov 26, gale, schooner-barge *W. J. Pirrie* driven onto rocks ~Cape Rock WA-18-20
1088. 1921 -- Jan 20, steamer *Hewitt* lost, sailed from Sabine TX for Boston, MA -- 42
1089. 1921 -- Jan 31, schooner *Carroll A. Deering* grounds, Diamond Shoals, NC -- 11
1090. 1921 -- Feb 26, USN destroyer *Woolsey* hit by *Steel Inventor*, sinks, Panama -- 16
1091. 1921 -- Mar 21, ocean-going tug USS *Conestoga* lost after leaving Mare Island, CA-- 56
1092. 1921 -- Aug 06, fog, coastal passenger steamer *Alaska* grounds off Blunts Reef, CA-- 42
1093. 1921 -- Oct 24, last comm. with oil tanker *Santa Rita*, New Orleans to Italy, lost -- 35
1094. 1921 -- Oct 30, House of David schooner *Rosa Belle* founders, storm, mid-Lake MI-- 11
1095. 1921 -- Oct 30, two Hilton Fishing Co. boats capsize, off Anglesea, NJ -- 11
1096. 1921 -- Nov 21, tug *Sea Eagle* hit by large wave in storm, capsizes, ~Yaquina, OR -- 9-10
1097. 1923 -- Feb 20, bark *Alta* sails from San Pedro, CA for Bellingham, WA, lost at sea-- 15
1098. 1923 -- Apr 06, steamer *John Dwight* sinks, suspected rum runner, Vineyard Sound, MA--8-10
1099. 1923 -- Sep 08, seven US Navy destroyers ground in fog, off Honda Point, CA -- 23
 --20 USS *Young*
 -- 3 Flagship USS *Delphy*
1100. 1923 -- Dec 05, steamer *T.W. Lake* lost in storm, near San Juan Islands, WA --13-14
1101. 1923 -- Dec 13, steam schooner *C.A. Smith* grounds, North Jetty, Coos Bay Harbor, OR ~10
1102. 1924 -- Mar 11, Ward Line steamer *Santiago* wrecks, off Hatteras, NC --25-35
1103. 1924 -- Mar 11/12, Maine schooner *Wyoming* sinks in blizzard off Chatham, MA --13-18
1104. 1924 -- Jun 12, battleship USS *Mississippi* gun turret cordite fire off San Pedro CA-- 48
1105. 1924 -- July 05, ship *Three Rivers* fire, Chesapeake Bay, Cove Point, MD -- 10
1106. 1924 -- Aug 26~, three MA fishing schooners lost, probably in gale, Georges Bank -- 17
1107. 1924 -- Sep 22, freighter *Clifton* sinks, Lake Huron storm, ~30m no. of Oscoda, MI--27-30
1108. 1924 -- Oct 20, USS *Trenton* Gun Turret Powder Bag Explosion, off Norfolk, VA -- 14
1109. 1924 -- Nov 15, rum runner tug *William Maloney* founders, storm, Newport, RI --11-12
1110. 1925 -- May 8, US steamer *M.E. Norman* capsizes/sinks, Miss. River, Coahoma, MS-- 23
1111. 1925 -- June 28, Gloucester, MA fishing sch. *Rex* sunk by Liner off 200M E of N.S.-- 15

¹⁷⁵¹ I assume that the *Fortune* and *Samuel Faunce* events refer to same event and that one of the sources is wrong.

1112. 1925 -- Aug 18, steamer *Mackinac* boiler explosion, Narragansett Bay, RI --47-55
 1113. 1925 -- Sep 25, Sub *USS S-51* hit by *City of Rome*, Sinks, Block Island, RI -- 33
 1114. 1925 -- Nov 30-Dec 02, hurricane and maritime losses off east coast of FL -- 49
 -- 6 Flagler Beach area. Rum running schooner from Bahamas grounds/breaks
 --32 St. Augustine, ~35 miles off of; SS *Cotopaxi* founders
 --11 Somewhere south of Savannah, heading south; Yacht *Miramar*

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1115. 1926 -- Apr 08, tankers *Silvanus & Thomas H. Wheeler* collide, Pointe à la Hache, LA--35
 1116. 1926 -- Apr 11, tanker *Gulf of Venezuela* explosion, Port Arthur, TX -- 26
 1117. 1926 -- Nov 19, oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD¹⁷⁵²18
 1118. 1926 -- Dec 20, motor launch *Linseed King* hits ice, sinks, Hudson River, NYC --35-58
1119. 1927 -- Jan 11, storm, collier *John Tracy* sinks off Highland Light, Truro, MA --26-27
 1120. 1927 -- Apr 08, Gloucester, MA fishing schooner *Commonwealth* burns, N.S. coast -- 12
 1121. 1927 -- July 08, boat with Miss. River flood evacuees overturns, Port Barre, LA -- 11
 1122. 1927 -- July 28, passenger vessel *Favorite* sinks in storm, Chicago, IL -- 27
 1123. 1927 -- Aug 24~, Gloucester, MA schooner *Columbia* lost, gale, off Sable Island, NS-- 23
 1124. 1927 -- Oct 29, *President Wilson* hits Gloucester fisher *Avalon*, fog, Cape Cod, MA¹⁷⁵³--20
 1125. 1927 -- Dec 17, Sub *USS S-4* struck by USCG *Paulding* near Provincetown, MA -- 40
1126. 1928 -- May 07, US Army dredge *Navesink* hits *Swinburne*, sinks ~Stapleton, NY --17-18
 1127. 1928 -- Aug 09, *William A. McKenney*, storm and drownings, coast of CA -- 14
 1128. 1928 -- Nov 13, UK *Vestris*, out of NYC with US passengers, sinks off VA Capes, VA--~111
1129. 1929 --~Jan 13 , fishing trawler *Seiner* lost, Georges Bank, out of New London, CT-- 21
 1929 -- July 28, speedboats *Zipper* and *Miss Thriller* collide at night, W. Okoboji Lake, IA--9
 1130. 1929 -- Aug 29, steamer *San Juan* hit by tanker *S.C.T. Dodd*, sinks ~Pigeon Pt., CA-75-78
 1131. 1929 -- Sep 9, steamer *Andaste* sinks, Lake Michigan storm, 14m west off Holland, MI-25
 1132. 1929 -- Oct 22, RR car carrier *Milwaukee* sinks, Lake MI storm ~7m NE Milwaukee WI-52
 1133. 1929 -- Oct 29, steamer *Wisconsin* sinks, Lake Michigan storm, off Kenosha, WI -- ≥12
 1134. 1929 -- Oct 31, fog, steamers collide, *Senator* sinks, Lake MI, off Port Washington, WI--7-10
1135. 1930 -- Jan 28, tug *Edgar F. Coney* sinks/storm, Gulf of Mex. ~70m off Sabine Pass TX--14
 1136. 1930 -- Apr 24, Long Island Sound freighter *Thames* burns, near Captains Island, CT-- 16
 1459. 1930 -- June 10, fog/collision/fire, *Fairfax*/oil tanker *Pinthis*/all 19, off Scituate MA¹⁷⁵⁴-50
 1137. 1930 -- July 29, OH sandsucker *George J. Whelan* capsizes/sinks/squall/cargo shift ~Dunkirk NY-15
 1460. 1930 -- Sep 01, Seattle halibut schooner *Orient* hit by freighter ~Vancouver Isl., B.C.-- 10
 1138. 1930 -- Sep 16/17, SF CA schooner *South Coast* sinks, OR Coast, ~Cape Blanco --18-19
 1139. 1930 -- Nov 8, lumber steamer *Brooklyn* swamped by breakers, Humboldt Bar, Eureka, CA-18
1140. 1932 -- Feb 04, oil tanker *Bidwell* explosion,, Marcus Hook, PA -- 18

¹⁷⁵² Cross-listed in Explosions.

¹⁷⁵³ Cross-listed in Fog as Contributing Factor.

¹⁷⁵⁴ Cross-listed in Fog as Contributing Factor.

1141. 1932 -- Feb 05, Boston sch. *Eleanor Nickerson* hit/sinks off SE Cape Sable, N.S. -- 21
 1142. 1932 -- Sep 09, explosion & fire, steam screw *Observation*, East River, NY -- 72
 1143. 1932 -- Sep 27, OR steamer *Nevada* strands on rocks, Aleutian Island Amatignak, AK-- 34

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1144. 1933 -- Jan 24, storm, diesel *Umnak Native* strands, Umnak Isl., Inanudak Bay, AK--11-12
1145. 1934 -- June 12, tuna clipper *Belle Isle* sails from San Diego, CA, lost at sea -- 12
 1146. 1934 -- Sep 08, *Morro Castle* ship fire, off Sea Girt, Monmouth County, NJ -- 134-135
 1147. 1934 -- Nov 9, schooner *John R. Manta* lost after sailing from Providence, RI -- 31
1148. 1935 -- Jan 24, collision, liner *Mohawk* (sinks) & freighter *Talisman*, off Sea Girt, NJ-- 45
1149. 1936 -- Jan 12, freighter SS *Iowa* grounds/sinks, Columbia Riv. bar, Peacock Spit, WA-- 34
 1150. 1936 -- June 19, outboard motor boat capsizes, children drown, Lake Gardner, ME -- 12
 1151. 1936 -- Jul 29, barge *Material Service* sinks, Lake Mich. storm, off So. Chicago, IN¹⁷⁵⁵-15
 1152. 1936 -- Oct 17, Can. *Sand Merchant* sinks, Lake Erie storm, US water off Avon Pt., OH--19
1153. 1937 -- Jan 26, rescue barge capsizes during Ohio Flooding, Paducah, KY -- 14
 1154. 1937 -- Jan 30, WPA worker barge sinks, Birds Point/New Madrid Spillway, MO --26-30
 1155. 1937 -- Aug 30-Sep 1, tropical cyclone, freighter SS *Tarpon* sinks off Panama City, FL--18
1156. 1938 -- Sep 21, New England Hurricane, *Charles O. Carlson* (5), *Ocean View* (6)¹⁷⁵⁶-- 12
1157. 1939 -- salmon fishing vessel *Oduna* (or *Oduno*) sinks off Noyes Island, AK -- 12
 1158. 1939 -- May 23, submarine *Squalus* sinks in test dive 16 miles off Portsmouth, NH -- 26
 1159. 1939 -- Sep 25, trop. storm, fishing boat *Lur/15*, *Spray/24* capsized, others, SoCal --44-48
1160. 1940 -- Nov 11-12, Armistice Day storm, Lake Michigan -- 66
 --24 *Anna C. Minch* (Canadian). Sank South of Pentwater, MI.
 -- 5 *Indian*, fishing boat, Lake Michigan, between Grand Haven and Holland, MI
 -- 2 *Novadoc* steamer grounds at Juniper Beach, Pentwater, MI.
 -- 3 *Richard H*, fishing boat, lost near Grand Haven MI on Lake Michigan
 --32 *William B. Davock*, bulk carrier, near Ludington, MI.
1161. 1941 -- Jan 21, *Mary E. O'Hara* & barge collide, entrance to Boston Harbor, MA --18-20
 1162. 1941 -- Mar 24, steamer *Cities Service Denver* explosion/fire, off NC/SC coast --19-20
 1163. 1941 -- June 19, USS *0-9* (SS-70) lost, deep submergence test off Isle of Shoals, NH-- 33
 1164. 1941 -- June 29, cabin cruiser *Don* explodes and burns off Bailey Island, ME -- 37
 1165. 1941 -- Aug 18, fire, Pier 27, spreads to freighter *Panuco*, burns/sinks, Brooklyn NY-34-35
 1166. 1941 -- Oct 17, USS *Kearny* torpedoed by German submarine, off Iceland¹⁷⁵⁷ -- 11

¹⁷⁵⁵ While South Chicago is in IL, starting about ½ mile off coast the water is in Indiana jurisdiction. The *Material Service* went down beyond ½ mile from the coast, thus in IN water. Lake County, IN, had local jurisdiction.

¹⁷⁵⁶ At least one other death at sea -- from a fishing boat which foundered off Block Island, R.I.

¹⁷⁵⁷ Cross-listed in Violence (Attack). This was before Pearl Harbor and U.S. declarations of war.

1167. 1941 -- Oct 31, USN destroyer *Reuben James* sunk (prior to Pearl), U-boat, ~Iceland-- 115
 1168. 1941 -- Dec 02, Amer. tanker *Astral* sunk by U-boat off coast of Lisbon, Portugal --all 37
 1169. 1941 -- Dec 7, cargo ship *Cynthia Olson* sunk by Japanese sub, Pacific, btw. Tacoma & Honolulu-35
 1170. 1941 -- Dec 10, freighter *Oregon* sinks, collision with USN ship off Nantucket MA-- 17
 1171. 1941 -- Dec 19, US freighter *Prusa* sunk by Japanese sub ~150-300M so. of Honolulu-- 10

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1172. 1942 -- Jan 8, Army minelayer *General Richard Arnold* capsizes, storm off Isles of Shoals, NH--10
 1173. 1942 -- Jan 15, UK tanker *Coimbra* (out of Bayonne, NJ), torpedoed by U-boat 50M so. Shinnecock L.I., NY-36
 1174. 1942 -- Jan 18, tanker *Allan Jackson* sunk by U-boat ~60m east-ne, Diamond Shoals, NC- 22
 1175. 1942 -- Jan 18, US merchant stmr. *Frances Salman* sunk by U-boat off Cape Race, Nfld.--all 28
 1176. 1942 -- Jan 19, US freighter *City of Atlanta* sunk, U-boat ~10m off NC SE of Manteo-- 43
 1177. 1942 -- Jan 19, US freighter *Norvana* sunk by U-boat ~50m north of Cape Hatteras NC-29
 1178. 1942 -- Jan 24, US collier *Venore* sunk by U-boat ~20m southeast of Cape Hatteras, NC--17
 1179. 1942 -- Jan 24, USS *S-26* accidentally rammed/sunk by PC-460, Gulf of Panama -- 46
 1180. 1942 -- Jan 26, U.S. freighter *West Ivis* sunk by U-boat, off Cape Hatteras, NC -- 45
1181. 1942 -- Feb 02, US tanker *W.L. Steed* sunk, U-boat, ~90m off Delaware Riv. mouth, DE-- 34
 1182. 1942 -- Feb 04, US tanker *India Arrow* sunk by U-boat, ~20m SE of Cape May, NJ-- 26
 1183. 1942 -- Feb 06, US freighter *Major Wheeler* sunk by U-boat, ~130m off Cape Hatteras NC-35
 1184. 1942 -- Feb 18, USS *Truxton* and USS *Pollux* run aground, storm, Placentia Bay NFL--204
 1185. 1942 -- Feb 19, US tanker *Pan Massachusetts* sunk by U-boat ~20m off Cape Canaveral FL-20
 1186. 1942 -- Feb 20, US freighter *Lake Osweya* sunk by U-boat, Atlantic, off SW Nova Sc.--all 39
 1187. 1942 -- Feb 21, US freighter *Azalea City* sunk by U-boat ~125 miles SE of Ocean City, MD--38
 1188. 1942 -- Feb 22, US tanker *Cities Service Empire* sunk by U-boat off Cape Canaveral FL--14
 1189. 1942 -- Feb 22, US tanker *J.N. Pew* sunk by U-boat, Caribbean, ~225M west of Aruba--33
 1190. 1942 -- Feb 22, US tanker *W.D. Anderson* sunk by U-boat off Jupiter Island, FL -- 35
 1191. 1942 -- Feb 22, towboat *G. W. McBride* hits bridge pier, sinks, Ohio Riv., Cincinnati-- 16
 1192. 1942 -- Feb 24, US freighter *Norlavore* founders in storm off Cape Hatteras, NC --all 28
 1193. 1942 -- Feb 27, US tanker *R.P. Resor* sunk by U-boat ~20m east of Manasquan Inlet NJ--48
1194. 1942 -- Mar 05, US freighter *Mariana* sunk by U-boat ~30M no. of east Turks Isl. --all 36
 1195. 1942 -- Mar 06, US freighter *Steel Age* sunk by sub, S. Atlantic ~130m NE Paramaribo, Suriname-34
 1196. 1942 -- Mar 07, merchant marine *Independence Hall* hits reef/sinks off Sable Isl., NS-- 10
 1197. 1942 -- Mar 07, passenger freighter *Barbara* sunk by sub ~9M NNE of Tortuga Isl., Dom. Rep.-26
 1198. 1942 -- Mar 10, U.S. tanker *Gulftrade* sunk by U-boat 3m off Barnegat Light, NJ -- 18
 1199. 1942 -- Mar 11, freighter *Caribsea* (NYC homeport) sunk by U-boat off Cape Lookout NC--21
 1200. 1942 -- Mar 12, US freighter *Texan* sunk by U-boat off NE Cuba near Puerto Padre-- 10
 1201. 1942 -- Mar 12, US tanker *John D. Gill* torpedoed by U-boat, off Cape Fear, NC --19-23
 1202. 1942 -- Mar 13, US freighter *Colabee* U-boat torpedoed ~10M off Cape Guajaba, Cuba-25
 1203. 1942 -- Mar 14, US merchant vessel *Lemuel Burrows* torpedoed, off Atlantic City, NJ-- 20
 1204. 1942 -- Mar 17, US tanker *Acme* torpedoed by U-boat ~1m west Diamond Shoals Light, NC--11
 1205. 1942 -- Mar 19, US tanker *W.E. Hutton* sunk by torpedo, Atlantic, off Beaufort, NC-- 13
 1206. 1942 -- Mar 22, American tanker *Muskogee* sunk by U-boat, northeast of Bermuda --all 34
 1207. 1942 -- Mar 23, US tanker *Naeco* torpedoed btw. Cape Lookout & Wilmington, NC-- 24

1208. 1942 -- Mar 26, tanker *Dixie Arrow* torpedoed, U-boat off Diamond Shoals Light, NC-- 11
 1209. 1942 -- Mar 29, passenger ship *City of New York* sunk, U-boat, ~40m off Cape Hatteras NC-14-26
 1210. 1942 -- Mar 31, tug *Menominee* shelled/sunk by U-boat ~9.5m off Metompkin Inlet, VA--16

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1211. 1942 -- Apr 02, US freighter *David H Atwater* shelled/sunk, U-boat off Chincoteague Isl. VA-23-24
 1212. 1942 -- Apr 03, US freighter *Otho* sunk by U-boat ~200M east of Cape Henry, VA --31-32
 1213. 1942 -- Apr 05, US tanker *Byron D. Benson* sunk by U-boat 7.5M off Currituck Inlet, NC-10
 1214. 1942 -- Apr 08, US tanker *Oklahoma* sunk by U-boat ~10m off St. Simon's Island, GA- 19
 1215. 1942 -- Apr 09, US tanker *Eugene V.R. Thayer* shelled/sunk by sub ~20m off N. Brazil-- 11
 1216. 1942 -- Apr 10, US tanker *Gulfamerica* torpedoed by U-boat ~5M off Jacksonville, FL--19
 1217. 1942 -- Apr 11, tanker *Harry F. Sinclair Jr.* torpedoed by U-boat ~7M so. Cape Lookout, NC--10
 1218. 1942 -- Apr 14, US freighter *Margaret* sunk by U-boat ~45 off Cape Hatteras, NC -- 29
 1219. 1942 -- Apr 15, US freighter *Robin Hood* sunk by U-boat, Atlantic, ~300M off NJ -- 14
 1220. 1942 -- Apr 21, US passenger ship *San Jacinto* sunk by U-boat, Atlantic off NC/SC/GA coast-14
 1221. 1942 -- Apr 23, US tanker *Connecticut* sunk by German torpedo boat, so. Atlantic --36-38
 1222. 1942 -- Apr 23, US freighter *Lammot Du Pont* sunk by U-boat ~500M no. of Bermuda--19
 1223. 1942 -- Apr 26, US freighter *Alcoa Partner* sunk by U-boat, Caribbean ~80m NNE of Bonaire-10
1224. 1942 -- May 4, US freighter *Eastern Sword* sunk by U-boat, So. Atlantic, off Georgetown, Guyana-16
 1225. 1942 -- May 4, US tanker *Joseph M. Cudahy* torpedoed by U-boat ~Dry Tortugas Isl., FL--27
 1226. 1942 -- May 4, US tanker *Munger T. Ball* sunk by U-boat ~80M NW of Dry Tortugas, FL-- 30
 1227. 1942 -- May 08, U.S. freighter *Ohioan* sunk by U-boat ~8M off Boynton Beach, FL-- 15
 1228. 1942 -- May 12, US tanker *Virginia* sunk by sub. 1.5m off Southwest Pass, MS Riv., LA-- 27
 1229. 1942 -- May 13, US tanker *Gulfpenn* sunk by U-boat ~30M south of MS Riv. mouth, LA-- 13
 1230. 1942 -- May 14, US tanker *David McKelvey* torpedoed ~35M south of MS Riv. mouth, LA--17
 1231. 1942 -- May 16, US tanker *Gulfoil* sunk by U-boat ~75M SW of MS Riv. Delta, Gulf-- 21
 1461. 1942 -- May 18, US freighter *Quaker City* sunk by U-boat ~300 miles east of Barbados-- 11
 1232. 1942 -- May 19, US freighter *Heredia* sunk by U-boat 2M SE of Ship Shoal Buoy, LA-35-36
 1233. 1942 -- May 19, US freighter *Ogontz* sunk by U-boat ~70M SE of Cozumel Isl., Gulf of MX--19
 1234. 1942 -- May 20, US tanker *Halo* sunk by U-boat ~15M south of Port Fourchon, LA-- 39
 1235. 1942 -- May 26, American tanker *Carrabulle* sunk by U-boat, Gulf of Mexico -- 22
 1236. 1942 -- May 27, US freighter *Jack* sunk by U-boat ~100M SW of Port Salut, Haiti --37-39
 1237. 1942 -- May 28, US freighter *Alcoa Pilgrim* sunk by U-boat ~150M so. of Mona Passage--31
1238. 1942 -- June 01-2, US freighter *Illinois* sunk by U-boat ~400M NE of Puerto Rico --31-32
 1239. 1942 -- June 02-3, US freighter *City of Alma* sunk by U-boat ~400m NE of San Juan PR-29
 1240. 1942 -- June 03, US tanker *M.F. Elliott* sunk by U-boat ~150M northwest of Trinidad-- 13
 1241. 1942 -- June 04, US freighter *Velma Lykes* sunk by U-boat ~20m off Puerto Juarez, MX-- 15
 1242. 1942 -- June 05, US tanker *L.J. Drake* sunk by sub SE of Isla Saona, Dominican Rep.-- 41
 1243. 1942 -- June 08, US freighter *Sicilien* sunk by U-boat ~10m so. of Cape Beata, Dom. Rep.-- 46
 1244. 1942 -- June 9-10, US freighter *Merrimack* sunk by U-boat ~65m SE Cozumel Island-43-44
 1245. 1942 -- June 12, tanker *Cities Service Toledo* sunk by U-boat, Gulf, so. of Marsh Isl., LA-- 15
 1246. 1942 -- Jun 12, US passenger ship *Sixaola* sunk by U-boat ~50m off Bocas del Toro, Panama-29
 1247. 1942 -- June 15, passenger ship *Cherokee* sunk by U-boat, Atlantic ~50M off Boston, MA--86

1248. 1942 -- June 15-16, US freighter *Kahuku* sunk by U-boat, 70M west of Grenada --17-18
 1249. 1942 -- June 17, US freighter *Millinocket* sunk by U-boat off La Isabela, north Cuba-- 11
 1250. 1942 -- June 23, US tanker *Rawleigh Warner* sunk by U-boat south of East Bay, LA --all 33
 1251. 1942 -- June 24, US tug *John R. Williams* hits mine laid by U-Boat off Cape May, NJ-- 14
 1252. 1942 -- Jun 28, US freighter *Raphael Semmes* sunk by sub so. of Bermuda, ~875m E of Cape Canaveral-19
 1253. 1942 -- Jun 28, US freighter *Tillie Lykes* sunk by sub ~100m so. Santo Domingo, Dom. Rep.-33
 1254. 1942 -- June 29, US freighter *Ruth* sunk by U-boat, Caribbean, ~320M NNE Barbuda-- 35

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** – continued:

1255. 1942 -- July 03, freighter *Alexander Macomb* sunk by U-boat ~175m east of Cape Cod, MA-10
 1256. 1942 -- July 09, anchored US tanker *Benjamin Brewster* torpedoed ~2.5M off Grand Isle, LA-25
 1257. 1942 -- July 13, US tanker *R. W. Gallagher* sunk by U-boat, Gulf, SE of Morgan City, LA-10-11
 1258. 1942 -- July 30, passenger ship *Robert E. Lee* sunk by sub ~50m SE MS. Riv. entrance, LA--25
 1259. 1942 -- July 30, US freighter *Cranford* sunk by U-boat ~250 miles E-SE of Barbados-- 11
 1260. 1942 -- July 30, last communication, US submarine *Grunion*, off Kiska Island, AK -- 70
1261. 1942 -- Aug 17, submarine USS *Bass* fire, asphyxiations, Pacific off Panama --26 of 80
 1262. 1942 -- Aug 17, US tanker *Louisiana* sunk by U-boat ~200M off Paramaribo, Suriname-49-50
 1263. 1942 -- Aug 22, fog, convoy destroyer *Ingraham* sinks; had hit tanker *Chemung* off Nova Scotia--~218
1264. 1942 -- Sep 13, last sighting, Seattle halibut schooner *Helgeland* off Kodiak Isl., AK--10-11
 1265. 1942 -- Sep 16, US freighter *Commercial Trader* sunk by U-boat ~75M east of Trinidad-- 10
 1266. 1942 -- Sep 19, US freighter *Wichita* sunk by U-boat ~75 miles south of Barbados --all 50
 1267. 1942 -- Sep 24, US freighter *John Winthrop* sunk by U-boat, N. Atlantic, for NY --all 52
 1268. 1942 -- Sep 24, US freighter *West Chetac* sunk by sub ~100m no. of Georgetown, Brit. Guiana-31
1269. 1942 -- Nov 7, US freighter *Nathaniel Hawthorne* sunk by sub ~40M NE Isla de Margarita-38
 1270. 1942 -- Nov 23, US tanker *Caddo* sunk by U-boat, east of Halifax, Nova Scotia --51-53
1271. 1942 -- Dec 2, Navy boat capsizes (shore-leave sailors); Narragansett Bay ~Jamestown, RI--15
 1272. 1942 -- Dec 02, tug *Admiral* sinks, Lake Erie storm ~10m Avon Pt. Cleveland, OH -- 14
 1273. 1942 -- Dec 03, tanker-barge *Cleveco* sinks, Lake Erie blizzard 6m No. Euclid, OH-- 18
 1274. 1942 -- Dec 31, freighter *Maiden Creek* sinks in storm, ~47M off SE. Long Isl., NY-- 20
1275. 1943 -- Jan 09, US freighter *Birmingham City* sunk by U-boat, So. Atlantic 100m N of Paramaribo--10
 1276. 1943 -- Jan 09, US tanker *Broad Arrow* sunk by U-boat, ~100M north of Paramaribo-- 23
 1277. 1943 -- Jan 09, US freighter *Collingsworth* sunk by sub, So. Atlantic ~100m N of Paramaribo-- 12
 1278. 1943 -- Jan 12, USN destroyer *Worden* hits rock/sinks, Constantine Hbr. ent., Amchitka Isl., AK--14
 1279. 1943 -- Jan 20, US tanker *Brilliant* splits/sinks, gale, east of north Newfoundland -- 11
 1280. 1943 -- Feb 20, USN minesweeper *YMS-133* capsizes in trough, Coos Bay bar, OR -- 13
1281. 1943 -- Apr 03, Gulf Oil tanker *Gulfstate* sunk by sub ~50m south Marathon Key, FL-- 43
 1282. 1943 -- May 04, US freighter *Oneida* springs leak/sinks, storm, ~100M off Norfolk VA-31
 1283. 1943 -- Apr 19, cabin cruiser *Legionnaire* sinks, South Bay, off Long Island, NY -- 10
 1284. 1943 -- June 01, MM *John Morgan* and tanker *Montana* collide off Cape Henry, VA-- 86

- 67 freighter *John Morgan* (42 merchant marine crew, 15 naval armed guard)
 --19 tanker *Montana* (9 crew and 10 Naval Armed Guard)
1285. 1943 -- June 10, tanker *Esso Gettysburg* torpedoed ~100M southeast of Savannah, GA--57
 1286. 1943 -- June 12, U.S. Navy Submarine *R-12 (SS 89)* floods, sinks, off Key West, FL-- 42
 1287. 1943 -- July 27, SE TX coast hurricane, USACE dredge *Galveston* sinks/11 & tug *Titan*-15
 1288. 1943 -- Aug 19, *J.P. Henderson* and *Senior* collide/burn in fog off Nova Scotia --126-132
 --≥59-63 US freighter *J. Pinckney Henderson* (>34-38 crew; 25 Navy armed guard)
 -- 67-69 Panamanian-flag tanker *J. H. Senior* (40-41 Danish crew; 27-29 US AG)
1289. 1943 -- Oct 21, tankers *Gulfbelle* & *Gulfland* collide/burn, ~Lake Worth Inlet, FL --87-88
 -- 51 *Gulfbelle* (31 crew and 20 Naval Armed Guard)
 --36-37 *Gulfland* (34-35 crew and 2 Naval Armed Guard)
1290. 1943 -- Nov 21, tanker *Altair/20* hit by tanker *Bostonian*, fog, 58m off Cape Henlopen DE-20
 1291. 1943 -- Nov 23, US tanker *Elizabeth Kellogg* sunk by U-boat ~150m NW of Cristobal, Panama--10
 1292. 1943 -- Nov 24, US freighter *Melville E Stone* sunk by U-boat ~100m NW of Cristobal CZ-15-16
 1293. 1943 -- Nov 24/25, *John P. Gaines* breaks-up in storm, 40m S of Cherikoff Island AK-- 11
 1294. 1943 -- Dec 2, Germans bomb Bari, Italy; US freighter *John Harvey* hit/mustard gas cargo¹⁷⁵⁸--≥83
 1295. 1943 -- Dec 3, US tanker *Touchet* sunk by U-boat, Gulf of MX, So. of Pensacola/W. of Naples, FL--10
 1296. 1943 -- Dec 11, collier *Suffolk* sinks in heavy gale off Montauk Point, NY --all 42-43
 1297. 1943 -- Dec 16, US freighter *Nevada* founders in gale, Atlantic ~200m so. of Greenland-31-35

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1298. 1944 -- Jan 03, US destroyer *Turner* ammo explosions/fire/sinks ~NY Harbor --138-139
 1299. 1944 -- Jan 06, USS *St. Augustine* & *Camas Meadows* collide off Cape May, NJ -- 115
 1300. 1944 -- Feb 26, freighter *El Coston* hits US tanker *Murfreesboro*/fire, No. Atlantic -- ~60
 --17-18 Panama-flagged freighter *El Coston* (9 crew and 8 USN Armed Guard)
 --43-45 American tanker *Murfreesboro* (26-29 crew and 16-17 USN armed guard)
1301. 1944 -- Feb 26, storm, US freighter *William H Welch* grounds/breaks, Eilean Furadh Mor Isl., Scotland--62
 1302. 1944 -- Mar 16, assault boat training drownings, Lakewood, ~Camp Robinson, AR -- 11
 1303. 1944 -- Apr 16, US tanker *Pan Pennsylvania* torpedoed by U-boat ~200M east of NYC--25
 1304. 1944 -- Apr 19, US Liberty ship *John Straub* explosion/sinks off Sanak Island, AK--53-55
 1305. 1944 -- Apr 27, ships collide, freight *James H Reed* sinks, Lake Erie **fog**, off Ashtabula, OH-- 12
 1306. 1944 -- May 11, explosion, ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA--17
 1307. 1944 -- May 14-21, Heavy seas, sleeping Marines in LCT pitched overboard off *LST-485*, HI-19
 1308. 1944 -- July 2, Japanese sub captures US *Jean Nicolet* complement of 100 off Ceylon; murders most-76
 1309. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA --320-325
 1310. 1944 -- Sep 12, USN minesweeper *YMS 409* sinks, Hurricane, off Cape Hatteras NC¹⁷⁵⁹ --32-33
 1311. 1944 -- Sep 13, USS *Warrington* sinks in hurricane off coast of FL¹⁷⁶⁰ --247-248
 1312. 1944 -- Sep 14, USCG Cutter *Bedloe* sinks in Hurricane off Hatteras, NC¹⁷⁶¹ -- 26
 1313. 1944 -- Sep 14, USCG Cutter *Jackson* sinks in hurricane, off Hatteras, NC¹⁷⁶² --21-22
 1314. 1944 -- Sep 15, USCG Lightship *LS-73* sinks in hurricane, off coast of MA -- 12

¹⁷⁵⁸ At least 83 people died from mustard gas poisoning; 90% of these U.S. Merchant Mariners from several ships.

¹⁷⁵⁹ Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”

¹⁷⁶⁰ Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”

¹⁷⁶¹ Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”

¹⁷⁶² Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”

1315. 1944 -- Oct 21, USN LSMs 211/212 explosion/fire, Berth 223, LA Harbor, CA -- 16
 1316. 1944 -- Oct 29, US freighter *John A Johnson* torpedoed by Japanese sub, Pacific; crew shot-- 10
 1317. 1944 -- Dec 18, USN Task Force 38 hit by typhoon, 3 ships capsize off Philippines -- 790
 --202 *Hull*
 --256 *Monaghan*
 --317 *Spence*
 -- 15 deaths from ten other vessels

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1318. 1945 -- Jan 02, Sun Oil tanker *Sunoco* fire and explosion, off Sandy Hook, NJ -- 10
 1319. 1945 -- Jan 21, USN plane bombs explode USS *Hancock* landing, South China Sea-- 62
 1320. 1945 -- Feb 05, tanker *Spring Hill* hit/explos./fire, off Stapleton, Staten Island, NY --19-20
 1321. 1945 -- Mar 13, storm, US troopship *J.W. McAndrew* hit by French ship, N. Atlantic--68-71
 1322. 1945 -- Apr 09, US freighter *Charles Henderson* explos., bomb unloading, Bari, Italy --52-54
 1323. 1945 -- Apr 09, US tanker *Saint Mihiel* collision/fire/abandoned, off Delmarva coast-- 37
 1324. 1945 -- May 05, civilian US collier *Black Point* torpedoed, off Point Judith, RI -- 12
1325. 1946 -- Feb 04, AK steamship *Yukon* hits rocks off Johnstone Bay, SE of Seward, AK-- 11
 1326. 1946 -- Sep 4, US freighter *David Caldwell* grounds, storm, Gironde Estuary, SW France--10
1327. 1947 -- Jan 09, Boston fishing trawler *Belle* goes missing off coast of MA -- 17
 1328. 1947 -- Mar 12, tanker *Fort Dearborn*, San Fran. to Shanghai, breaks up, gale, Pacific-- 12
 1329. 1947 -- Apr 16-17, ammonium nitrate explosion, *Grandcamp*, Texas City, TX¹⁷⁶³--581-600
 1330. 1947 -- Jun 22, tanker *Markay* vapor explos. loading petrol. products, Mormon Isl., LA, CA--11-12
 1331. 1947 -- Sep 09, fuel tanks explode, fire, steamboat *Island Queen*, Pittsburgh, PA -- 19
 1332. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Isl., BC¹⁷⁶⁴-- 49
1333. 1948 -- May 31, USN Carrier *Kearsarge* launch swamped, Hampton Roads, VA --30-31
1334. 1949 -- Jan 19, USCG *Eastwind* and SS *Gulfstream* collide in fog ~60M SE of Barnegat Light Vessel--13
1335. 1950 -- Apr 7-8, New Bedford MA scallop dragger *Four Sisters* lost E of Nantucket, MA--all 10
 1336. 1950 -- May 07, squalls; boatmen in rivers/lakes/along coast of NY/17 and New Eng.-- 20
 1337. 1950 -- Aug 25, hosp. ship *Benevolence* hit/sunk/in fog, *M. Luckenbach* ~S.F. CA --18-23
 1338. 1950 -- Dec 18, tug *Sachem* sinks (all aboard lost), Lake Erie, off Dunkirk, NY -- 12
1339. 1951 -- Jan 14, Boston, MA fishing trawler *Gudrun* lost off Argentia, Newfoundland-- 17
 1340. 1951 -- Apr 20, *Esso Greensboro* & *Esso Suez* collide full speed/dense fog, Gulf of Mexico-- 39
 --37 tanker *Esso Greensboro* (5 survivors)
 -- 2 tanker *Esso Suez* (47 survivors)
1341. 1951 -- May 14, USS *Valcour* & *Thomas Tracy* collide/fire, off Cape Henry VA -- 36
 1342. 1951 -- Sep 01, overloaded deep-sea fishing boat *Pelican* capsizes off Montauk Pt., L.I., NY--45
 1343. 1951 -- Oct 5, Hurricane How, freighter *Southern Isles* breaks-up/sinks off Cape Hatteras, NC-17

¹⁷⁶³ Cross-listed in Explosions and in Fire.

¹⁷⁶⁴ Part of Canadian Graham Island group just south of southern point of Alaska's Alexander Archipelago.

1344. 1951 -- Oct 29, two boats and barge collide, gasoline explosion, Buffalo River, NY -- 11
 1345. 1951 -- Dec 20, Danish cargo/passenger motorship *Erria* fire, Columbia Riv. ~Astoria, OR--11

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1346. 1952 -- Jan 09, SS *Pennsylvania* (of Tacoma) founders ~455M off Cape Flattery WA-- 46
 1347. 1952 -- Apr 26, US destroyer *Hobson* hits Carrier *Wasp*, night maneuvers, sinks, No. Atlantic-176
 1348. 1952 -- May 25, tankers *A. C. Dodge* and *Michael* collide, explos./fire, Delaware Riv., DE--10
1349. 1953 -- May 11, freight *Henry Steinbrenner* sinks, Lake Superior storm, ~Isle Royale, MI-- 17
 1350. 1953 -- Sep 02, drownings, Army pontoon raft capsizes, Smith Lake, Fort Bragg, NC-- 20
 1351. 1953 -- Oct 16, carrier USS *Leyte* explosion/fire, Charleston Naval Yard, Boston MA-- 37
1352. 1954 -- May 26, U.S. carrier *Bennington* explosions and fire off Quonset Point, RI -- 103
 1353. 1954 -- Aug 31, fisher *Redstart* breaks-up during Carol, out of New Bedford, MA -- 11
 1354. 1954 -- Oct 07, SS *Mormackite* founders in rough seas off the Virginia Capes, VA -- 37
 1355. 1954 -- Dec ~5, storm, bulk carrier M/V *Southern Districts* founders off FL/SC/NC --all 23
1356. 1955 -- Jan 13~, New Bedford, MA scalloper *Doris Gertrude* lost off New Eng. coast-- 11
 1357. 1955 -- Aug 12, schooner *Levin J. Marvel* founders Chesapeake Bay ~Fairhaven MD-- 14
1358. 1956 -- Jan 17, gasoline explos./fire, SS *Salem Maritime*, terminal, Rose Bluff, LA¹⁷⁶⁵--21
 1359. 1956 -- July 25, *Andrea Doria* and *Stockholm* collide, fog off Nantucket Isl., MA¹⁷⁶⁶-- 51
1360. 1957 -- Jan 29, tanker SS *Jeanny* vapor explosions, Todds shipyard, Alameda, CA¹⁷⁶⁷-- 10
 1361. 1957 -- Mar 6, USN tanker *Mission San Francisco* & *Elna II* collide, explosion, Delaware Riv. DE-- 10
 1957 -- June 27, Hurricane *Audrey*, fishing schooner *Keturah* down off Galveston coast-- 9
1362. 1958 -- Aug 07, fog, tankers *Gulfoil* (18) & *S.E. Graham* collide/burn off Bull Point, RI--18
 1363. 1958 -- Nov 18, freighter *Carl D. Bradley* sinks in Lake MI storm, ~Gull Island, MI-- 33
1364. 1959 -- Nov 25, M/V *National Pride* capsizes Gulf of Mexico off Galveston, TX -- 11
1365. 1960 -- July 19, USN destroyers *Ammen* & *Collett* collide, fog ~Newport Beach, CA-- 11
 1960 -- Aug 12, engineering area flash fire, minesweeper USS *Exultant* off Savannah GA-- 5
 1366. 1960 -- Oct 22, SS *Alcoa Corsair* (10) & MV *Lorenzo Marcello* collide, MS Riv. mouth LA--10
 1367. 1960 -- Dec 19, fire, USS *Constellation* (under construction) NY Naval Shipyard, NY-- 50
1368. 1961 -- Jan 15, nor'easter, USAF Radar Tower No. 4 fails ~70m east of Barnegat, NJ-- 28
 1369. 1961 -- Nov 07, M/V *Union Reliance* & M/V *Berean* collide, near Houston, TX -- 12
1370. 1962 -- Mar 05-09, Nor'easter, fishing trawlers *Sonya* and *Karina T./9*, tanker *Gem/1*-- 10

¹⁷⁶⁵ Cross-listed in Explosions and in Hazardous Materials Transportation.

¹⁷⁶⁶ Cross-listed in Fog as Contributing Factor. *Andrea Doria* was Italian liner; *Stockholm* was Swedish. Collision occurred in US waters. 46 passengers died on *Andrea Doria*; 5 sleeping crew died on the *Stockholm*.

¹⁷⁶⁷ Cross-listed under Explosions

1371. 1962 -- Aug 18, overloaded Sunday School boat capsizes, Lake Talquin ~Quincy, FL-- 18
 1372. 1962 -- Oct 20, collision/fire, *Boheme & Barge Parker*, Miss. River ~Lutcher, LA -- 20
 1373. 1962 -- Nov 15~, storm, New Bedford, MA scalloper *Midnight Sun* lost, Georges Bank-- 11

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1374. 1963 -- Feb 04, SS *Marine Sulphur Queen* disappears between Cuba and south FL -- 39
 1375. 1963 -- Apr 10, submarine *USS Thresher* sinks, implosion off Cape Cod, MA -- 129
 1964 -- May 23-24, boat capsizes, Fontenelle Reservoir, Lincoln County, SW WY -- all 6
 1376. 1964 -- June 30, drilling barge *C.P. Baker* blowout/explosion/fire, Gulf of Mex. off LA--22
 1377. 1964 -- Nov 26 tanker *Stolt Dagali* cut in half (19 lost) by liner *Shalom*, off Point Pleasant NJ--19
 1378. 1964 -- Dec 17, Spanish stmr. *San Patrick* grounds on rocks/breaks-up, Ulak Isl., AK--all 32
 1379. 1965 -- May 7, ships collide, fog,, *Cedarville* sinks, Lake Huron, Mackinac Straits, MI--10
 1380. 1965 -- Nov 13, SS *Yarmouth Castle* fire/capsizes/sinks, Miami to Nassau ~Great Stirrup Cay-90
 1381. 1966 -- Jun 16 (& 28), collision/explosions/fire, *Texaco Mass./Alva Cape*, off NY, NY¹⁷⁶⁸-- 37
 1382. 1966 -- Oct 26, USS *Oriskany* fire, lit magnesium flare in flare locker, off Vietnam-- 44
 1383. 1966 -- Nov 29, *Daniel J. Morrell* (Cleveland) breaks/sinks, Lake Huron storm, off MI--28
 1384. 1967 -- July 29, USS *Forrestal* jet rocket fires/hits plane/fire/explosions, Tonkin Gulf, Vietnam--134
 1385. 1967 -- Oct 9, freighter *Panoceanic Faith* founders/storm, 870m SW of Kodiak, AK --36-37
 1386. 1968 -- Mar 16, collision, SS *African Star* & barge *Intercity No. 11*, MS River, LA -- 21
 1387. 1968 -- May 21, last com., US nuclear submarine *Scorpion*, on bottom 400M W. of Azores—99
 1388. 1968 -- Dec 7, USCG *White Alder* sunk, collision with SS *Helena*, Head of Passes, MS Riv., LA--17
 1389. 1969 -- Jan 14, explosions and fire on USS *Enterprise*, off Pearl Harbor, Hawaii -- 28
 1390. 1969 -- Apr 06, *Union Faith* & *Warren J. Doucet* collide, MS Riv., New Orleans LA-- 25
 1969 -- May 25, CA racing schooner yacht *Goodwill* wrecks on reef off Baja CA, MX-- 9
 1391. 1969 -- June 03, USS *Frank E. Evans* cut in half by Aus. carrier *Melbourne*, So. China Sea-74
 1392. 1969 -- Dec 26, USN Charter SS *Badger State* explos./raft hit by falling bomb, N. Pacific-- 26
 1393. 1970 -- Apr 21, Japanese fishing boat *Nitto Maru No 67* capsized/sank ~20m off Unimak Isl., AK--17
 1394. 1971 -- Mar 27, storm, tanker *Texaco Oklahoma* breaks-up/sinks, off Cape Hatteras, NC--31
 1395. 1972 -- Feb 01, tanker *V.A. Fogg*, gas explosion (lightning), off Galveston, TX¹⁷⁶⁹ -- 39
 1396. 1972 -- Aug 16, USCG/NWS fail to warn fishing boats of approaching gale CA/2, OR/11-- 13
 1397. 1972 -- Nov 7, freighter hits Sidney Lanier Bridge, span collapses/cars fall, Brunswick GA--10
 1398. 1973 -- May 19, unseaworthy fishing boat *Comet* founders off Point Judith, RI -- 16

¹⁷⁶⁸ Thirty-three deaths on June 16 (*Alva Cape*, 19; tug *Esso Vermont*, 8; *Texaco Massachusetts*, 3; and tug *Latin American*, 3) and four more on June 28 while the *Alva Cape* was being unloaded at Gravesend Bay.

¹⁷⁶⁹ Cross-listed in Lightning and Explosions.

1399. 1973 -- June 02, *Sea Witch/3* collides with *Esso Brussels/13*, fire, NY Harbor, NY -- 16

MARITIME Events – **Master Set** -- **CHRONOLOGICAL** (continued):

1400. 1974 -- Jan 18, SS *Baune* collides the US tanker *Keytrader*, fire, lower MS Riv., LA-- 16

1401. 1974 -- Apr 09, oil tanker *Elias* explosions unloading at dock, Del. Riv., Fort Mifflin, PA-13

1402. 1975 -- Jan 31, tanker *Corinthos* explosions/fire; hit by *Queeny*, Del. Riv. Marcus Hook PA--26

1403. 1975 -- May 14, Khmer Rouge attack USS *Mayaguez*, Koh Tang Island, Cambodia¹⁷⁷⁰-- 16

1404. 1975 -- Nov 10, storm, SS *Edmund Fitzgerald* sinks, Lake Superior, Whitefish Bay, MI--29

1405. 1976 -- Apr 15, oil platform *Ocean Express* capsizes under tow in storm, Gulf, off TX--13

1406. 1976 -- Oct 20, tanker *Frosta* hits ferry *George Prince* (capsizes), MS Riv., Luling, LA-77

1407. 1977 -- Jan 17, USN LCM-6 liberty boat hit/capsized by cargo vessel, Barcelona, Spain--49

1408. 1978 -- June 17, tornado, showboat *Whippoorwill* capsized, Pomona Lake, KS -- 16

1409. 1978 -- Oct 20, USCG Cutter *Cuyahoga* & MV *Santa Cruz II* collide ~Smith Point, MD--11

1410. 1978 -- Dec 10, MV *Holo Holo* (Univ. of HI) sinks, rough seas west of Kawaihae, HI-- 10

1411. 1979 -- Aug 30, *Inca Tupac Yupanqui* hits barge, explos./fire, MS Riv., Good Hope, LA-12

1412. 1979 -- Nov 01, tanker *Burmah Agate* collides with freighter *Mimosa*, Galveston, TX-- 32

1413. 1979 -- Dec 05, Canadian gillnet fishing boat *Salinta* found ashore at Tree Point, AK-- 10

1414. 1980 -- Jan 28, collision, tanker *Capricorn* & USCGC *Blackthorn* (sinks), Tampa Bay, FL-23

1415. 1980 -- May 9, *Summit Venture* hits Sunshine Skyway Bridge, collapse, Tampa FL¹⁷⁷¹--35

1416. 1980 -- Oct 24, SS *Poet* leaves Philadelphia for Egypt, lost, probably Oct 25-26 -- 34

1417. 1981 -- May 26, USN EA-68 Prowler crash, USS *Nimitz*, off Jacksonville, FL¹⁷⁷² -- 14

1418. 1981 -- Nov 30, scallop trawler *St. Patrick* toppled by wave, abandoned, 5m E Marmot Isl., AK-10

1419. 1982 -- Feb 15, storm, *Ocean Ranger* oil rig sinks, Grand Banks, Canada¹⁷⁷³ --84 (15 US)

1420. 1983 -- Feb 12, gale, collier *Marine Electric* (34 crew) capsizes/sinks off Chincoteague VA-31

1421. 1983 -- Feb 14, crab boats *Altair* & *Americus* capsize, *Altair* sinks, Bering Sea ~AK-- 14

1422. 1984 -- July 7, microburst, sternwheel *SCItanic* capsizes, TN Riv., Ditto Landing, AL-- 11

1423. 1987 -- Feb 5, fishing vessel *Fish-n-Fool* (LA, CA) capsizes ~Isla De San Martin, MX--10

1424. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf¹⁷⁷⁴ -- 37

¹⁷⁷⁰ Cross-listed in Violence (Attack)

¹⁷⁷¹ Cross-listed in Structural Failure, Bridge Collapse and in Road/Highway.

¹⁷⁷² Cross-listed in Aviation.

¹⁷⁷³ Sixty-eight Canadians, one Englishman, and fifteen Americans

¹⁷⁷⁴ Cross-listed in Violence -- Attacks.

1425. 1988 -- July 3, USS *Vincennes* missile cruiser shoots down Iran Air 655, Persian Gulf¹⁷⁷⁵-290

MARITIME Events – Master Set – Chronological (continued):

1426. 1989 -- Apr 19, USS *Iowa* No. 2 turret explosion, Near Puerto Rico -- 47

1427. 1989 -- July 31, *Avco 5* liftboat capsizes, Hurricane Chantal, off Morgan City, LA -- 13

1428. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX¹⁷⁷⁶-11

1991 -- Oct 28-Nov 1, Perfect Storm Nor'easter, East Coast, *Andrea Gail* lost -- 6

1429. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derailed into water/fire, ~Mobile AL¹⁷⁷⁷-47

1430. 1999 -- May 1, *Miss Majestic* DUKW tour boat sinks off St. John's Isl., Lake Hamilton, AR-13

1431. 2001 -- Apr 01-02, fishing boat *Arctic Rose* (homeport Seattle, WA) sinks, Bering Sea--15

2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX-- 8

1432. 2002 -- May 26, barge hits bridge, span collapse, Webbers falls, OK¹⁷⁷⁸ -- 14

1433. 2003 -- June 14, *Taki-Too* fishing charter capsizes crossing bar, Tillamook Bay Inlet, OR-- 11

1434. 2003 -- Oct 15, Ferry *Andrew J. Barberi* hits pier, St George Terminal, Staten Isl. NY-- 11

1435. 2005 -- Oct 02, *Ethan Allen* tour boat capsizes, Lake George, near Cramer Point, NY-- 20

1436. 2010 -- Apr 20, drill rig *Deepwater Horizon* explosion, Gulf of Mexico, ~50m, LA¹⁷⁷⁹--11

1437. 2015 -- Oct 1, U.S. cargo ship *El Faro* sinks, Hurricane Joaquin, off east Bahamas¹⁷⁸⁰-- 33

1438. 2017 -- Aug 21, USS *John S. McCain* collision/merchant ship *Alnic MC* ~Singapore-- 10

1439. 2018 -- July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO -- 17

1440. 2019 -- Sep 02, diving boat *Conception* fire, near north side of Santa Cruz Island, CA-- 34

1441. 2021 -- Apr 13, liftboat (platform) *Seacor Power* capsizes off Port Fourchon, LA -- 13

¹⁷⁷⁵ No Americans killed, but an American disaster in the sense that a US Navy vessel, having intruded into Iranian territorial waters, shot down an Iranian passenger airliner without definitive knowledge that target was military and a threat. Retrieved onboard screen shots showed that target had been identified with a civilian transponder code, at high altitude and ascending, not descending, as was claimed at the time. Cross-listed in Maritime.

¹⁷⁷⁶ Cross-listed in Explosions in that the pipeline the *Northumberland* hit was not where it should have been, under the sea-floor, and the natural gas explosion and resulting fire on the boat led to the loss of life.

¹⁷⁷⁷ Cross-listed in Fog as a contributing factor and in Rail.

¹⁷⁷⁸ Cross-listed under Bridge Failures.

¹⁷⁷⁹ Cross-listed in Explosions.

¹⁷⁸⁰ Cross-listed in Hurricanes. There were twenty-eight U.S. nationals and five Polish nationals.

MARITIME Disasters -- Boiler Flue Collapse/Steam Release Subset¹⁷⁸¹ -- By FATALITY

1. 1838 -- Apr 21, steamer *Oronoko* flue collapse/explosion, MS River, Princeton, MS--100-130
2. 1854 -- Mar 13, steamer *Reindeer*, boiler flue collapse, Ohio River, Cannelton, IN --40-46
3. 1886 -- Oct 05, *La Mascotte* flue collapse/fire/stack fall, MS Riv., Crawford Lndg., MO--≥35
4. 1852 -- Aug 22, flue collapse, *Doctor Franklin No. 2*, Ste. Genevieve, MO -- 32
5. 1848 -- Sep 17, steamer *Concordia*, flue/boiler explosion, Miss. Riv., Plaquemine LA --28-29
6. 1840 -- Nov 07, steamboat *Persian* boiler flue collapse, MS River, near Napoleon, AR-- ≥25
7. 1849 -- June 09, steamboat *Embassy* flue collapse, Ohio River, Three Mile Bar, KY --14-25
8. 1911 -- Jun 24, *City of St. Joseph*, flue collapse, Miss. River, Presidents Island, TN¹⁷⁸²- 20-22
9. 1846 -- May 27-28, steamer *Queen City* steam pipe bursts, MS River, Natchez, MS --12-17
10. 1882 -- Dec 06, steamer *Morning Star* flue collapse/boiler bursts, MS Riv., below N.O., LA--15-17

11. 1850 -- May 23, steamboat *St. Louis* flue collapse, MS Riv., Jefferson Barracks, MO --10-16
12. 1830 -- Sep 16 or 17, sidewheel *William Peacock* steam pipe breaks, Lake Erie ~Buffalo NY- 15
13. 1843 -- Mar 17, steamboat *Cutter* flue collapse, Pittsburgh, PA -- 15
14. 1850 -- May 07, steamboat *Columbus* flue collapse, MS Riv., Island 4 ~Columbus, KY-- 15
15. 1852 -- Feb 16, flues collapse, *May Queen*, AR River, 45 miles below Little Rock, AR-- 12
16. 1866 -- Sep 29, steamer *Julia*, steam drum explosion, San Francisco harbor, CA -- 10

Other:

- 1853 -- July 01, flues collapse, steamboat *New World*, New York, NY¹⁷⁸³ -- 8

MARITIME Disasters -- Boiler Flue Collapse/Steam Release Subset -- Chronological

1. 1830 -- Sep 16 or 17, sidewheel *William Peacock* steam pipe breaks, Lake Erie ~Buffalo NY- 15
2. 1838 -- Apr 21, steamer *Oronoko* flue collapse/explosion, Miss. River, Princeton, MS-50-130
3. 1840 -- Nov 07, steamboat *Persian* boiler flue collapse, MS River, near Napoleon, AR-- ≥25
4. 1843 -- Mar 17, steamboat *Cutter* flue collapse, Pittsburgh, PA -- 15
5. 1846 -- May 27-28, steamer *Queen City* steam pipe bursts, MS River, Natchez, MS --12-17
6. 1848 -- Sep 17, steamer *Concordia*, flue/boiler explosion, Miss. Riv., Plaquemine, LA--28-29
7. 1849 -- June 09, steamboat *Embassy* flue collapse, Ohio River, Three Mile Bar, KY --14-25
8. 1850 -- May 07, steamboat *Columbus* flue collapse, MS Riv., Island 4 ~Columbus, KY-- 15
9. 1850 -- May 23, steamboat *St. Louis* flue collapse, MS Riv., Jefferson Barracks, MO --10-16
10. 1852 -- Feb 16, *May Queen*, flues collapse, Ark. River, 45m below Little Rock, AR -- 12
11. 1852 -- Aug 22, *Doctor Franklin No. 2*, flue collapse, Ste. Genevieve, MO -- 32
- 1853 -- July 01, steamboat *New World*, flues collapse, New York, NY¹⁷⁸⁴ -- 8
12. 1854 -- Mar 13, steamer *Reindeer*, boiler flue collapse, Ohio River, Cannelton, IN --40-46
13. 1866 -- Sep 29, steamer *Julia*, drum explosion, steam release, San Francisco harbor, CA-- 10
14. 1882 -- Dec 06, steamer *Morning Star* flue collapse/boiler bursts, MS Riv., below N.O., LA--15-17

¹⁷⁸¹ Flues are inside of boilers, and when one or more collapse, hot scalding steam is released. Often this led to an “explosion” of a boiler, but a boiler does not necessarily need to “explode” for this to take place, thus the separation of flue collapse and boiler explosions. This, however, is a blurry distinction.

¹⁷⁸² In that the boiler exploded when the flues collapsed, causing damage and injury, we cross-list in Explosions.

¹⁷⁸³ Was the first steamboat “accident” to be investigated by the New York Inspectors pursuant to the law of 1852.

¹⁷⁸⁴ Was the first steamboat “accident” to be investigated by the New York Inspectors pursuant to the law of 1852.

Steam Boiler Flue Collapse and Steam Releases/Scalding (continued):

15. 1886 -- Oct 05, *La Mascotte* flue collapse/fire/stack fall, MS Riv., Crawford Lndg., MO--≥35
16. 1911 -- Jun 24, flue collapse, *City of St. Joseph*, Miss. River, Presidents Island, TN -- 22

MARITIME Disasters -- **COLLISIONS** Subset -- Deadliest American -- **By MORTALITY**

1. 1837 -- Oct 31, *Monmouth & Tremont* collide, MS River, Prophet Island Bend, LA--234-400
2. 1854 -- Sep 27, US Mail steamer *Arctic* hit by *Vesta*, fog, Cape Race, Newfoundland--315-350
3. 1852 -- Aug 20, fog/steamers collide, *Atlantic* sinks, Lake Erie near Long Pt. Ont.--150~300
4. 1860 -- Sep 08, Steamer *Lady Elgin* collides with sch., sinks, Lake MI off Winnetka, IL--287~300
5. 1875 -- Nov 4, Steamers *Pacific* and *Orpheus* collide, *Pacific* sinks off Cape Flattery WA- 250-285
6. 1856 -- Nov 02, Schooner *Le Lyonnais* Collision, Nantucket Island, MA --120-260
7. 1942 -- Aug 22, fog, convoy destroyer *Ingraham* sinks; had hit tanker *Chemung* off Nova Scotia--~218
8. 1907 -- Feb 11, sidewheel steamer *Larchmont* hit by schooner, sinks off Block Harbor, RI--133-183
9. 1952 -- Apr 26, US destroyer *Hobson* hits Carrier *Wasp*, night maneuvers, sinks, No. Atlantic- 176
10. 1943 -- Aug 19, *J.P. Henderson* and *J.H. Senior* collide/burn in fog off Nova Scotia--126-132
--≥59-63 US freighter *J. Pinckney Henderson* (>34-38 crew; 25 Navy armed guard)
-- 67-69 Panamanian-flag tanker *J. H. Senior* (40-41 Danish crew; 27-29 US AG)
11. 1912 -- Apr 14, RMS *Titanic* hits iceberg and sinks (1,517 total fatalities¹⁷⁸⁵) -- 119
12. 1944 -- Jan 06, USS *St. Augustine & Camas Meadows* collide off Cape May, NJ -- 115
13. 1907 -- July 21, liner *Columbia* hit by sch. *San Pedro*, fog, sinks ~Shelter Cove, no. CA--80-88
14. 1943 -- Oct 21, tankers *Gulfbelle & Gulfland* collide/burn, ~Lake Worth Inlet, FL --87-88
-- 51 *Gulfbelle* (31 crew and 20 Naval Armed Guard)
--36-37 *Gulfland* (34-35 crew and 2 Naval Armed Guard)
15. 1943 -- June 01, MM *John Morgan* and tanker *Montana* collide off Cape Henry, VA -- 86
--67 freighter *John Morgan* (42 merchant marine crew, 15 naval armed guard)
--19 tanker *Montana* (9 crew and 10 Naval Armed Guard)
16. 1844 -- Mar 01, collision, *Buckeye/De Soto* Mississippi River, near Atchafalaya, LA --50-80
17. 1929 -- Aug 29, steamer *San Juan* hit by tanker *S.C.T. Dodd*, sinks ~Pigeon Pt., CA --75-78
18. 1976 -- Oct 20, tanker *Frosta* hits ferry *George Prince* (capsizes), MS Riv., Luling, LA-- 77
19. 1862 -- Aug 13, USS *George Peabody & West Point* collide, Potomac River, VA --70-76
20. 1865 -- Nov 24, steam. *Niagara* sinks after *Post Boy* collision, MS Riv. ~Prairie Pt. AR-- 75
21. 1868 -- Dec 4, steamers *United States & America* collide/burn/sink, OH riv., Rayl's Lndg., IN --72-74
22. 1969 -- June 03, USS *Frank E. Evans* cut in half by Aus. carrier *Melbourne*, So. China Sea--74
23. 1945 -- Mar 13, storm, US troopship *J.W. McAndrew* hit by French ship, N. Atlantic --68-71
24. 1872 -- Aug 30, propeller *Metis* hits schooner *Nettis Cushing*, sinks off Watch Hill, RI- 20-70
25. 1882 -- July 04, steamboats collide, *Scioto* sinks, Ohio River, Mingo Junction, OH -- ~70
26. 1918 -- May 01, steamship *City of Athens* sinks in collision off Delaware coast -- 67
27. 1865 -- Apr 25, *Massachusetts* hits *Black Diamond*, Potomac Riv. ~St. Clement's Isl., MD--≥60
28. 1868 -- June 20, *Morning Star & Cortland* collide & sink, Lake Erie, ~Black Riv. OH --37-60
29. 1944 -- Feb 26, freighter *El Coston* hits US tanker *Murfreesboro*/fire, N. Atlantic -- ~60
--17-18 Panama-flagged freighter *El Coston* (9 crew and 8 USN Armed Guard)
--43-45 American tanker *Murfreesboro* (26-29 crew and 16-17 USN armed guard)
30. 1926 -- Dec 20, motor launch *Linseed King* hits ice, sinks, Hudson River, NYC --35-58
31. 1956 -- July 25, *Andrea Doria* hit (by *Stockholm*), in fog off Nantucket Island, sinks -- 58
32. 1901 -- Aug 15, Can. steamer *Islander* hits iceberg/sinks off Douglas Isl. ~Juneau, AK --42-53
33. 1847 -- Nov 19, steamers collide, *Talisman* sinks, Miss. River, Cape Girardeau, MO -- ≥51
34. 1846 -- Nov 21, steamers collide, *Maria* sinks, Miss. River, 7M below Natchez MS --30-50

¹⁷⁸⁵ Of the 1,517 fatalities, 119 were U.S. citizens. The Titanic was headed for New York. (J.R. Henderson)

35. 1859 -- Mar 28, steamers *Nathaniel Holmes* & *David Gibson* collide, OH Riv., Petersburg, KY-35-50
 36. 1880 -- Jun 11, steamer *Narragansett* hit in fog/burns and sinks, off Saybrook CT¹⁷⁸⁶ --27-50
 37. 1930 -- June 10, fog/collision/fire, *Fairfax* & oil tanker *Pinthis*/all 19, off Scituate MA¹⁷⁸⁷-50

MARITIME -- COLLISIONS -- By Mortality (continued):

38. 1977 -- Jan 17, USN LCM-6 liberty boat hit/capsized by cargo vessel, Barcelona, Spain-- 49
 39. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derailed into water/fire, ~Mobile, AL¹⁷⁸⁸-- 47
 40. 1935 -- Jan 24, collision, liner *Mohawk* (sinks) & freighter *Talisman*, off Sea Girt, NJ -- 45
 41. 1942 -- Jan 24, USS *S-26* accidentally rammed/sunk by PC-460, Gulf of Panama -- 46
 42. 1902 -- Jan 02, steamer *Walla Walla* hit by bark *Max*, 9m off Cape Mendocino, CA --36-43
 43. 1906 -- Nov 18, steamers *Dix* and *Jeanie* collide, *Dix* sinks, Puget Sound, WA --42-45
 44. 1851 -- Nov 27, *Archer* sinks after collision (*Die Vernon*), MS Riv., Enterprise Isl. ~Grafton, IL--34-41
 45. 1864 -- June 03, steamer *Pocahontas* sinks, *City of Bath*, collision, off Cape May, NJ --40-41
 46. 1914 -- Jan 30, steamers *Monroe* & *Nantucket* collide, fog off Hog Island, VA¹⁷⁸⁹ -- 41
 47. 1865 -- Aug 9, *Pewabic* collides with *Meteor*, sinks, Thunder Bay, Lake Huron, ~Alpena, MI--40
 48. 1927 -- Dec 17, Sub USS *S-4* hit by CG Cutter *Paulding*, off Provincetown, MA -- 40
49. 1951 -- Apr 20, *Esso Greensboro* & *Esso Suez* collide full speed/dense fog, Gulf of Mexico-- 39
 --37 tanker *Esso Greensboro* (5 survivors)
 -- 2 tanker *Esso Suez* (47 survivors)
50. 1945 -- Apr 09, US tanker *Saint Mihiel* collision/fire/abandoned, off Delmarva coast -- 37
 51. 1966 -- Jun 16 (& 28), Collision/Explosions/Fire, *Texaco Mass./Alva Cape*, off NY, NY¹⁷⁹⁰-- 37
 52. 1844 -- Dec 14, collision, *Belle of Clarksville/Louisiana*, Miss. River, ~Memphis, TN --31-36
 53. 1951 -- May 14, collision/fire USS *Valcour* & *Thomas Tracy* off Cape Henry, VA -- 36
 54. 1926 -- Apr 08, collision, *Silvanns/Thomas H. Wheeler*, Pointe A La Hache, LA -- 35
 55. 1925 -- Sep 25, sub USS *S-51* hit by *City of Rome*, sinks off Block Island, RI -- 33
 56. 1979 -- Nov 01, tanker *Burmah Agate* collides with freighter *Mimosa*, off Galveston, TX-- 32
 57. 1879 -- Nov 08, steamer *Champion* collision with British bark, Cape Henlopen, DE --31-32
 58. 1834 -- Oct 24, *Missouri Belle* sinks, collision (*Boonslick*), ~Kenner & N.O., LA -- 30
 59. 1846 -- Feb 13/14, steamers *Congress* & *Saladin* collide, Miss. River, KY Bend, KY --15-30
 60. 1851 -- Feb 09, *Autocrat* sinks (*Magnolia* collision) MS Riv., Bayou Goula Bend, LA -- ~30
 61. 1880 -- Jun 11, steamer *Narragansett* ship collision, off Saybrook, CT -- 30
 62. 1918 -- Oct 03, *Lake City* & *James McGee* collide, American Shoal Light, FL -- 30
63. 1920 -- Aug 20, freighters collide, *Superior City* explos./sinks, Lake Superior, Whitefish Bay, WI--29
 64. 1975 -- Jan 31, tanker *Corinthos* explosions/fire; hit by *Queeny*, Del. Riv. Marcus Hook PA-26
 65. 1845 -- Oct 27, *Plymouth* sinks in collision (*Lady Madison*), OH Riv., Shawneetown IL-- 25
 66. 1890 -- Nov 05, 8, Schs. *Lillie Amoit* & *John D. Miner* collide, Menominee Hbr., MI -- 25
 67. 1918 -- Oct 04/5, collier USS *Herman Frasch* collision (USS *Henry*) ~Cape Sable NS--17-25

¹⁷⁸⁶ Cross-listed in Fog as a Contributing Condition.

¹⁷⁸⁷ Cross-listed in Fog as a Contributing Factor.

¹⁷⁸⁸ Cross-listed in Fog as a contributing factor and in Rail.

¹⁷⁸⁹ Cross-listed in Fog as a Contributing Condition.

¹⁷⁹⁰ Thirty-three deaths on June 16 (*Alva Cape*, 19; tug *Esso Vermont*, 8; *Texaco Massachusetts*, 3; and tug *Latin American*, 3) and four more on June 28 while the *Alva Cape* was being unloaded at Gravesend Bay.

68. 1969 -- Apr 06, Collision, *S.S. Union Faith*/Barge, MS River, New Orleans, LA -- 25
 69. 1849 -- May 18, Collision, *Empire*/Schooner *Noah Brawn*, Newburgh Bay, NY -- 24
 70. 1893 -- Nov 07, *Albany* & *Philadelphia* collide, fog, Lake Huron ~Pointe aux Barques, MI-- 24

Maritime Disasters -- COLLISIONS Subset -- By Mortality (continued):

71. 1950 -- Aug 25, hospital ship *Benevolence* hit/sunk in fog, *M. Luckenbach* ~SF CA¹⁷⁹¹-18-23
 72. 1980 -- Jan 28, collision, tanker *Capricorn* & USCGC *Blackthorn* (sinks), Tampa Bay FL--23
 73. 1890 -- Aug 06, Boston schnr. *Magellan*, sunk by the *St. Mary* near Falkland Islands --20-22
 74. 1913 -- May 02, steamer *Concordia* hits RR bridge, sinks, Tensas River, Clayton, LA -- 22
 75. 1932 -- Feb 05, Boston schnr. *Eleanor Nickerson* hit/sinks off SE of Cape Sable, N.S. -- 21
 76. 1968 -- Mar 16, SS *African Star* & barge *Intercity No. 11* collision,, Miss. River, LA -- 21
77. 1837 -- Mar 17, steamboat *Tiskilwa* hit by the *Wisconsin*, near mouth Ill. River, IL --10-20
 78. 1851 -- Nov 29, steamers *Molly Grath* & *Pontiac No. 2* collide, OH Riv. ~Owensboro, KY-- 20
 79. 1852 -- Apr 26, steamers collide, *Chickasaw* sinks,¹⁷⁹² OH River, French Islands, KY -- 20
 80. 1852 -- July 12, *City of Oswego* sinks, collision *America*, Lake Erie ~Willoughby, OH--15-20
 81. 1878 -- Dec 01, *Cotton Valley* & *Charles Morgan* collide, MS Riv., ~Bringier Point, LA-12-20
 82. 1927 -- Oct 29, fog, *President Wilson* hits Gloucester fisher *Avalon*, Cape Cod MA¹⁷⁹³-- 20
 83. 1941 -- Jan 21, *Mary E. O'Hara* & barge collide, entrance to Boston Harbor, MA --18-20
 84. 1943 -- Nov 21, tanker *Altair/20* hit by tanker *Bostonian*, fog, 58m off Cape Henlopen DE-20
 85. 1945 -- Feb 05, tanker *Spring Hill* hit/explosion/fire, off Stapleton, Staten Island, NY --19-20
 86. 1962 -- Oct 20, collision & fire, *Boheme* & Barge *Parker*, Miss. River ~Lutcher, LA -- 20
87. 1910 -- May 23, fog, *Frank H. Goodyear* hit by *Wood*, sinks, Lake Huron ~Pt. Aux Barques MI--17-19
 88. 1917 -- Dec 17, USN Sub *F-1* collides with *F-3*, sinks off Coast of San Diego CA -- 19
 89. 1920 -- Oct 29, ship collision, schooner *Cape Fear*, Narragansett Bay, RI -- 19
 90. 1964 -- Nov 26, tanker *Stolt Dagali* cut in half (19 lost) by liner *Shalom* off Point Pleasant, NJ--19
91. 1835 -- Dec 02, *Lady Franklin* Sinks, hit by *Portsmouth*, OH Riv. ~Owensboro KY --15-18
 92. 1857 -- Nov 15, steamboats collide, *Opelousas* sinks, Gulf of MX, LA coast ~Berwick Bay LA-- 18
 93. 1908 -- May 26, Boston Sch. *Fame*/UK Steamer *Boston* Collide, fog, Cashes Bank¹⁷⁹⁴-- 18
 94. 1917 -- June 30, *Christopher Columbus* collision/water-tank falls, Milwauk. Riv. WI --15-18
 95. 1928 -- May 07, US Army dredge *Navesink* hit/sunk by *Swinburne*, off Stapleton NY --17-18
 96. 1958 -- Aug 07, fog, tankers *Gulfoil* (18) & *S.E. Graham* collide/burn off Bull Point, RI--18
97. 1864 -- July 03, steamer *Locust Point* collides with *Matanzas* off Absecon, NJ -- 17
 98. 1865 -- Jun 08, fog, steamer *Admiral Dupont* hit/sunk by *Studacona* (UK), off Cape May, NJ-17
 99. 1866 -- Feb 24, steamers collide, *Nannie Byers* sinks, Ohio Riv., above Madison IN --16-17
 100. 1880 -- July 22, steamer *Mamie* bisected by *Garland*, Detroit River, ~Grosse Isle, MI --16-17
 101. 1941 -- Dec 10, freighter *Oregon* sinks, collision with USN ship off Nantucket MA -- 17

¹⁷⁹¹ Cross-listed in Fog as a Contributing Condition.

¹⁷⁹² Collision was with the *W. B. Clifton*.

¹⁷⁹³ Cross-listed in Fog as a Contributing Factor.

¹⁷⁹⁴ Cross listed in Fog as Contributing Factor.

102. 1968 -- Dec 7, USCG *White Alder* sunk, collision with SS *Helena*, Head of Passes, MS Riv., LA--17

MARITIME Disasters -- COLLISIONS Subset -- By MORTALITY (continued):

103. 1888 -- Aug 22, fog, steamers collide, *City of Chester* sinks, San Francisco Bay, CA--15-16
104. 1913 -- Jan 03, fog, *Julia Luckenbach* collision/sinks, near Tangier Island, VA¹⁷⁹⁵ -- 16
105. 1914 -- Aug 26, fog, steamers collide, *Admiral Sampson* sinks, Puget Sound, off Pt. No Pt., WA--12-16
106. 1921 -- Feb 26, U.S. destroyer *Woolsey* hit by *Steel Inventor*, sinks, off Panama -- 16
107. 1942 -- Feb 22, towboat *G. W. McBride* hits bridge pier, sinks, Ohio R., Cincinnati, OH--16
108. 1973 -- June 02, *Sea Witch/3* collides with *Esso Brussels/13*, fire, NY Harbor, NY -- 16
109. 1974 -- Jan 18, SS *Baune* collides the US tanker *Keytrader*, fire, lower MS Riv., LA-- 16
110. 1847 -- June 09, collision, *Chesapeake* and *Porter*, Lake Erie, Conneaut, OH --10-15
111. 1847 -- Dec 20, steamer *Westwood* hits bank in fog, boilers explode, below New Orleans LA¹⁷⁹⁶-12-15
112. 1851 -- Mar 24, boats collide, *Lowell* sinks, OH Riv., Captina Isl., ~Moundsville, WV-- 15
113. 1857 -- Feb 21, steamer *Humboldt* sunk by *Belfast*, MS Riv., chute of Island No. 75, MS-- 15
114. 1857 -- Aug 15, steamers collide, *J.N. Harris* sinks, L.I. Sound, ~Falkland Isl. CT --13-15
115. 1903 -- May 05, fog, steamer *Saginaw* sinks, liner *Hamilton* collis. ~Hog Island, VA¹⁷⁹⁷-15
116. 1925 -- June 28, Gloucester, MA fishing sch. *Rex* sunk by Liner off 200M E of N.S.-- 15
117. 1909 -- July 12, Fog, SS *John B. Cowle* hit by *Scott*/sinks, Lake Superior off Whitefish Pt., MI¹⁷⁹⁸-14
118. 1889 -- Mar 26~, Gloucester fishing sch. *Shiloh* reported run down off Cape Cod -- 14
119. 1831 -- May 14, Steamboat *Coosa* sinks, collision with *Huntress*, Caruthersville, MO-- 13
120. 1866 -- Apr 18, boats collide, *City of Norwich* burns/sinks, L.I. Sound off Huntington NY-11-13
121. 1877 -- Jan 07, steamer *Montgomery* hit by *Seminole*, sinks, 38m NE of Cape May, NJ-- 13
122. 1895 -- Mar 08, fog, stmr. *Longfellow* hits C&O bridge pier/sinks, OH Riv., Cincinnati, OH--11-13
123. 1918 -- Mar 19, Tug *W.A. Bisso*, Sinks in Collision near New Orleans -- 13
124. 1949 -- Jan 19, USCG *Eastwind* and SS *Gulfstream* collide in fog ~60M SE of Barnegat Light Vessel--13
125. 1852 -- Dec 14, steamers collide, *Western World* rolls over, MS Riv., Princeton Lndg., MS--12
1856 -- Apr 16~ steamers collide, *Northerner* sinks, Lake Huron, off Port Huron, MI¹⁷⁹⁹--1 or 12
126. 1862 -- Aug 09, sch. *Oriole* sinks, hit by *Illinois* in fog, Lake Sup. off Pictured Rocks, MI-12
127. 1865 -- Jun 03, Steamers *Poland* and *Idaho* collide, *Poland* Sinks, Yazoo River, MS- 10-12
128. 1876 -- ~May, Gloucester, MA Fishing Sch. *Saratoga* hit/sunk, Georges Bank -- 9-12
129. 1889 -- Nov 20, stmr. *Manhattan* sinks, collision, sch. *Agnes Manning*, off Fenwick Isl., DE--12
130. 1914 -- Aug 26, *Admiral Sampson* collision, Fog, Puget Sound, Point No Point, WA¹⁸⁰⁰-12
131. 1944 -- Apr 27, ships collide, freight *James H Reed* sinks, Lake Erie fog, off Ashtabula, OH-- 12
132. 1961 -- Nov 07, M/V *Union Reliance*, M/V *Berean*, collide, Houston Channel, TX -- 12
133. 1979 -- Aug 30, *Inca Tupac Yupanqui* hits barge, explos./fire, MS Riv., Good Hope, LA--12

¹⁷⁹⁵ Cross-listed in Fog as a Contributing Factor.

¹⁷⁹⁶ Cross-listed in Fog as a Contributing Factor and in boiler explosions -- was thought boilers would not have exploded if water had not sloshed onto hot metal when boat went onto bank and then off again.

¹⁷⁹⁷ Cross-listed in Fog as a Contributing Factor.

¹⁷⁹⁸ Cross-listed in Fog as a contributing factor.

¹⁷⁹⁹ We show this only because there were accounts of 12 deaths. Papers at the time note only one death – engineer.

¹⁸⁰⁰ Cross-listed in Fog as a Contributing Factor

- 134. 1875 -- Aug 26, ships collide, freighter *Comet* sinks, Lake Superior, 7M SE Whitefish Pt., WI--11
- 135. 1875 -- Dec 01, Steamer *Sunnyside* hits Ice/Sinks, Hudson, off West Park, NY -- 11
- 136. 1902 -- Dec 17, Schooners *Louise B. Crary/Frank A. Palmer* Collide, Gloucester MA-- 11
- 137. 1907 -- June 11, Battleship *Minnesota* Launch Run-Down Hampton Roads, VA -- 11
- 138. 1909 -- June 06, Ship Hits wharf, collapses, Mandeville, Lake Pontchartrain LA -- 11
- 139. 1951 -- Oct 29, two boats and barge collide, gasoline explosion, Buffalo River, NY -- 11
- 140. 1960 -- July 19, USN destroyers *Ammen & Collett* collide, fog ~Newport Beach, CA¹⁸⁰¹ 11
- 141. 1978 -- Oct 20, USCG Cutter *Cuyahoga* & MV *Santa Cruz II* collide ~Smith Point, MD-- 11
- 142. 2003 -- Oct 15, ferry *Andrew J. Barberi* hits pier, St George Terminal, Staten Isl. NY-- 11

MARITIME Events – **COLLISIONS** subset – By **Mortality** (continued):

- 143. 1845 -- Aug 12, collision, steamers *London & Kent* (sinks), Lake Erie, Pt. Pelee, Ont.-- 10
- 144. 1847 -- June 09, ships collide, steamer *Chesapeake* sinks, Lake Erie, ~Conneaut, OH--8-10
- 145. 1868 -- Sep 16, sch. *Persian* sunk by *E.B. Allen*, Lake Huron, 3m off 40-Mile Point MI--10
- 146. 1875 -- May 02, steamer *St. Luke* hits bridge pier/sinks, Missouri Riv., St. Charles, MO-9-10
- 147. 1875 -- July 06, steamer *Isaac Bell* & tug *Lumberman* collide, Hampton Roads, VA -- 10
- 148. 1929 -- Oct 31, fog, steamers collide, *Senator* sinks, Lake MI, off Port Washington, WI--7-10
- 149. 1930 -- Sep 01, Seattle halibut schooner *Orient* hit by freighter ~Vancouver Isl., B.C.-- 10
- 150. 1952 -- May 25, tankers *A. C. Dodge* and *Michael* collide, explos./fire, Delaware Riv., DE--10
- 151. 1957 -- Mar 6, USN tanker *Mission San Francisco* & *Elna II* collide, explosion, Delaware Riv. DE-10
- 152. 1960 -- Oct 22, *Alcoa Corsair* collision, Mouth of Mississippi River, LA -- 10
- 153. 1965 -- May 07, ships collide, fog,, *Cedarville* sinks, Lake Huron, Mackinac Straits, MI- 10
- 154. 1972 -- Nov 7, freighter hits Sidney Lanier Bridge, span collapses/cars fall, Brunswick GA--10
- 155. 2017 -- Aug 21, *USS John S. McCain* collision/merchant ship *Alnic MC* ~Singapore-- 10

1929 -- July 28, speedboats *Zipper* and *Miss Thriller* collide at night, W. Okoboji Lake, IA-- 9

¹⁸⁰¹ Cross-listed in Fog as Contributing Factor.

MARITIME Subset – **DISEASE**, infectious and/or contagious – **By Mortality**

1. 1833 -- June-July (esp.), cholera, esp. brig *Ajax*, steamers *Chester & Tobacco Plant*¹⁸⁰²-- ≥190
2. 1822 -- May 08-July 24,¹⁸⁰³ yellow fever, U.S. frigate *Macedonian*, Caribbean -- 101
3. 1832 -- Nov-Dec (especially), cholera, East Coast, Mississippi and Ohio river boats¹⁸⁰⁴-- ≥95
4. 1918 -- Sep 29-Oct, Navy transport *Leviathan*, influenza epidemic, Atlantic Ocean -- 91
5. 1849 -- Early May--May 10, cholera, steamer *Monroe*, St. Louis to Jefferson City¹⁸⁰⁵ --63-70
6. 1852 -- cholera, esp. Miss./OH Rivers, steamers *Midas/17* and *Philadelphia/43* (Atlantic)--≥70
7. 1918 -- fall/winter, cruiser *Pittsburgh*, influenza epidemic, Rio de Janeiro Brazil -- 58
8. 1918 -- Sep 20-Oct 2, Navy transport *America*, influenza outbreak, Atlantic/France -- 55
9. 1851 -- Feb?, steamboat *Arkansas*, Tallapoosa River, Mobile to Wetumpka, AL -- 52
10. 1848 -- Dec 22, cholera, steamboat *Peytona* arrives at Louisville from New Orleans¹⁸⁰⁶-- 50
11. 1849 -- sometime after Apr 21, cholera on steamboat *Mary*, MS River before St. Joseph-- 50
12. 1858 -- Spring, USS *Susquehanna*, yellow fever outbreak, off San Juan, PR -- 46
13. 1853 -- ~early March, steamer *Winfield Scott*, Panama to San Francisco, yellow fever-- ~41
14. 1850 -- Jan, steamboat *Dove*, cholera, Ouachita River, AR and LA --30-40
15. 1862 -- fall, esp., yellow fever, especially U.S. Frigate *St. Lawrence* (29) -- 38
16. 1918 -- Early Oct, Navy transport *Siboney*, influenza epidemic, Atlantic Ocean -- 38
17. 1834 -- cholera, steamboats *Champion* (8), *Chicago* (2), and *Kentuckian* (Aug, 18) -- 29
18. 1849 -- May 16 (by), steamboat *Winfield Scott*, New Orleans to Louisville, cholera --28-29
19. 1849 -- early June, cholera, steamboat *Uncle Toby*, MS River, ~Quincy to Rock Isl. -- 27
20. 1851 -- before June 22, steamer *Grand Turk*, cholera, Mississippi River¹⁸⁰⁷ -- ~25
21. 1851 -- before June 22, steamer *Pride of the West*, cholera, Mississippi River¹⁸⁰⁸ -- ~25
22. 1853 -- ~Early March, steamer *Golden Gate*, Panama to San Francisco, yellow fever -- 23
23. 1799 -- Nov-Feb 1880, ship USS *Delaware*, yellow fever, Curacao, Caribbean¹⁸⁰⁹ -- 20
24. 1799 -- June-July, frigate USS *General Greene*, yellow fever, Cuba to Portsmouth NH¹⁸¹⁰-->20
25. 1822 -- July-Aug, yellow fever, U.S. brig *Enterprise*; Caribbean to NYC & at NYC -- 19
26. 1850 -- Sep 12-17, cholera, steamer *Falcon*, Chagres, Panama to Havana, Cuba¹⁸¹¹ --17-18

¹⁸⁰² Brig *Ajax* experienced about fifty fatalities after leaving New Orleans, most after putting in at Key West. Steamboat *Chester* had approximately one hundred fatalities among troops and Swiss immigrants after leaving New Orleans for St. Louis. Steamboat *Tobacco Plant* lost seventeen people after leaving New Orleans for Louisville in April. Steamboat *Reindeer* lost sixteen on the Arkansas River in July. We postulate that many more people died of cholera on river steamboats than we have taken note.

¹⁸⁰³ The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.

¹⁸⁰⁴ We do not know actual number, but speculate is was very much in excess of the information represented herein concerning 8 steamboats and one brig: Brig *Amelia*, NY to SC (20); from Mississippi and Ohio Rivers, Steamers *Chief Justice Marshall* (36), *Constitution* (7), *Experiment* (1); *Express* (1); *Gallipolis* (4); *Freedom* (13); and two unnamed steamboats (1 each).

¹⁸⁰⁵ Counted as well in 1849 cholera listing (which contains narrative content). We have not yet been able to break out the number of people dying on the *Monroe*, as opposed to those who died from the *Monroe* after landing, and the citizens who were infected with cholera and subsequently died in Jefferson City and in Cole County. It is conceivable the number dying on the *Monroe* was less than sixty-three.

¹⁸⁰⁶ McClellan in *History of the Travels of Asiatic cholera...In North America* (1875, p. 611), writes that in addition to these fifty deaths a number of passengers subsequently succumbed to cholera at the Marine Hosp. there.

¹⁸⁰⁷ We note about twenty-five in that newspaper article writes of fifty deaths on *Grand Turk* and *Pride of the West*.

¹⁸⁰⁸ We note about twenty-five in that newspaper article writes of fifty deaths on *Grand Turk* and *Pride of the West*.

¹⁸⁰⁹ There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

¹⁸¹⁰ There were at least 1,335 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

27. 1867 -- Oct, U.S. ship *Potomac*, cholera, Philadelphia Navy Yard, PA -- 18
 28. 1849 -- Nov (early to 15th arrival at St. Louis), steamboat *Constitution*, cholera¹⁸¹² --12-17
 29. 1850 -- Oct 28-Nov 8, cholera, barque *Splendid*, Sacramento to San Francisco¹⁸¹³ -- 17
 30. 1864 -- Aug 18-30 timeframe, yellow fever, U.S. gunboat *John Chambers* -- 16
 31. 1839 -- Late summer or fall, steamboat *Corsair*, yellow fever, Mississippi River -- 15
 32. 1848 -- Late Dec, steamer *Potomac* [unclear], cholera, NOLA to Louisville, KY¹⁸¹⁴ -- 14
 33. 1866 -- Oct (late). US gunboat *Bienville*, while in Caribbean and passage to NYC -- 14
 34. 1850 -- April, cholera, Steamer *St. Louis*, New Orleans to St. Louis, arriving May 1 --12-13

MARITIME Subset – **DISEASE**, infectious and/or contagious – **By Mortality** (continued)

35. 1851 -- June-July?¹⁸¹⁵ cholera, Steamboat *St. Ange*, upon arrival at Fort Pierre, SD -- 13
 36. 1850 -- April, cholera, Steamer *Missouri*, New Orleans to St. Louis, arriving May 2 -- ~12
 37. 1851 -- by April 24, cholera, Steamboat *Iroquois*, New Orleans to St. Louis, MO -- 12
 38. 1841 -- Sep-Oct. yellow fever, crew of the USS *Levant*, at Pensacola, FL -- 11
 39. 1849 -- by Mar 24, cholera, Steamboat *Yorktown*, MS Riv. before reaching Cairo, IL -- 10
 40. 1849 – Apr-early May?, cholera, steamer *Weston*, up Missouri River to Ft. Leavenworth-- 10

¹⁸¹¹ Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.

¹⁸¹² St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.

¹⁸¹³ The last three deaths were on the 8th in a San Francisco hospital after transfer from the boat upon landing on 7th.

¹⁸¹⁴ “A dispatch just received from Louisville, dated 28th, says the steamer *Poto*... [unclear] arrived from New Orleans this morning and reports that the cholera is very bad there. Fourteen of the steamer’s deck passengers died with it coming up.” (*Sandusky Clarion*, OH. “Telegraphic Dispatches.” 1-7-1849, 3.)

¹⁸¹⁵ A newspaper report is dated July 29. Another source simply notes that the *St. Ange* brought cholera to Fort Pierre, starting an epidemic which spread to traders, trappers, local Native Americans, and then their neighbors.

MARITIME Subset – **DISEASE**, infectious and/or contagious – **Chronological**

1. 1799 -- Jun-Jul, Frigate USS *General Greene*, yellow fever, Cuba to Portsmouth NH¹⁸¹⁶ -->20
2. 1799 -- Nov-Feb 1880, Ship USS *Delaware*, yellow fever, Curacao, Caribbean¹⁸¹⁷ -- 20
3. 1822 -- May 8-July 24,¹⁸¹⁸ yellow fever, U.S. Frigate *Macedonian*, Caribbean -- 101
4. 1822 -- July-Aug, yellow fever, U.S. Brig *Enterprise*; Caribbean to NYC & at NYC -- 19
5. 1832 -- Nov-Dec (especially), cholera, East Coast, Mississippi and Ohio river boats¹⁸¹⁹-- ≥95
6. 1833 -- June-July (esp.), cholera, esp. Brig *Ajax*, Steamers *Chester & Tobacco Plant*¹⁸²⁰--≥190
7. 1834 -- cholera, Steamboats *Champion* (8), *Chicago* (2), and *Kentuckian* (18) -- 29
8. 1839 -- Late summer or fall, Steamboat *Corsair*, yellow fever, Mississippi River -- 15
9. 1841 -- Sep-Oct. yellow fever, crew of the USS *Levant*, at Pensacola, FL -- 11
10. 1848 -- Dec 22, cholera, Steamboat *Peytona* arrives at Louisville from New Orleans¹⁸²¹ -- 50
11. 1848 -- Late Dec, Steamer *Potomac* [unclear], cholera, NOLA to Louisville, KY¹⁸²² -- 14
12. 1849 -- by Mar 24, cholera, Steamboat *Yorktown*, MS Riv. before reaching Cairo IL -- 10
13. 1849 -- Apr-early May?, cholera, steamer *Weston*, up Missouri River to Ft. Leavenworth-- 10
14. 1849 -- After Apr 21, cholera on Steamboat *Mary*, MS Riv. before St. Joseph -- 50
15. 1849 -- Early May-~May 10, cholera, Steamer *Monroe*, St. Louis to Jefferson City¹⁸²³ --63-70
16. 1849 -- early June, cholera, steamboat *Uncle Toby*, MS River, ~Quincy to Rock Isl. -- 27
17. 1849 -- May 16 (by), steamboat *Winfield Scott*, New Orleans to Louisville, cholera --28-29
18. 1849 -- Nov (early to 15th arrival at St. Louis), Steamboat *Constitution*, cholera¹⁸²⁴ --12-17
19. 1850 -- Jan, Steamboat *Dove*, cholera, Ouachita River, AR and LA --30-40

¹⁸¹⁶ There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

¹⁸¹⁷ There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

¹⁸¹⁸ The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.

¹⁸¹⁹ We do not know actual number, but speculate is was very much in excess of the information represented herein concerning 8 steamboats and one brig: Brig *Amelia*, NY to SC (20); from Mississippi and Ohio Rivers, Steamers *Chief Justice Marshall* (36), *Constitution* (7), *Experiment* (1); *Express* (1); *Gallipolis* (4); *Freedom* (13); and two unnamed steamboats (1 each).

¹⁸²⁰ Brig *Ajax* experienced about fifty fatalities after leaving New Orleans, most after putting in at Key West. Steamboat *Chester* had approximately one hundred fatalities among troops and Swiss immigrants after leaving New Orleans for St. Louis. Steamboat *Tobacco Plant* lost seventeen people after leaving New Orleans for Louisville in April. Steamboat *Reindeer* lost seek on the Arkansas River in July. We postulate that many more people died of cholera on river steamboats than we have taken note.

¹⁸²¹ McClellan in *History of the Travels of Asiatic cholera...In North America* (1875, p. 611), writes that in addition to these fifty deaths a number of passengers subsequently succumbed to cholera at the Marine Hosp. there.

¹⁸²² “A dispatch just received from Louisville, dated 28th, says the steamer Poto... [unclear] arrived from New Orleans this morning and reports that the cholera is very bad there. Fourteen of the steamer’s deck passengers died with it coming up.” (*Sandusky Clarion*, OH. “Telegraphic Dispatches.” 1-7-1849, 3.)

¹⁸²³ Counted as well in 1849 cholera listing (which contains narrative content). We have not yet been able to break out the number of people dying on the *Monroe*, as opposed to those who died from the *Monroe* after landing, and the citizens who were infected with cholera and subsequently died in Jefferson City and in Cole County. It is conceivable the number dying on the *Monroe* was less than sixty-three.

¹⁸²⁴ St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.

20. 1850 -- April, cholera, steamer *St. Louis*, New Orleans to St. Louis, arriving May 1 --12-13
 21. 1850 -- April, cholera, steamer *Missouri*, New Orleans to St. Louis, arriving May 2 -- ~12
 22. 1850 -- Sep 12-17, cholera, steamer *Falcon*, Chagres, Panama to Havana, Cuba¹⁸²⁵ --17-18
 23. 1850 -- Oct 28-Nov 8, cholera, barque *Splendid*, Sacramento to San Francisco¹⁸²⁶ -- 17

MARITIME Subset – **DISEASE**, infectious and/or contagious – **Chronological** (continued)

24. 1851 -- Feb?, Steamboat *Arkansas*, Tallapoosa River, Mobile to Wetumpka, AL -- 52
 25. 1851 -- by April 24, cholera, Steamboat *Iroquois*, New Orleans to St. Louis, MO -- 12
 26. 1851 -- before June 22, Steamer *Grand Turk*, cholera, Mississippi River¹⁸²⁷ -- ~25
 27. 1851 -- before June 22, Steamer *Pride of the West*, cholera, Mississippi River¹⁸²⁸ -- ~25
 28. 1851 -- June-July?¹⁸²⁹ cholera, Steamboat *St. Ange*, upon arrival at Fort Pierre, SD -- 13
29. 1852 -- cholera, esp. MS/OH Rivers, Steamers *Midas/17* and *Philadelphia/43* (Atlantic)-- ≥70
30. 1853 -- ~Early March, yellow fever, Steamer *Golden Gate*, Panama to San Francisco-- 23
 31. 1853 -- ~Early March, yellow fever, Steamer *Winfield Scott*, Panama to San Francisco--~41
32. 1858 -- Spring, yellow fever outbreak, USS *Susquehanna*, off San Juan, Puerto Rico -- 46
33. 1862 -- fall, esp., yellow fever, especially U.S. Frigate *St. Lawrence* (29) -- 38
34. 1864 -- Aug 18-30 timeframe, yellow fever, U.S. gunboat *John Chambers* -- 16
35. 1866 -- Oct (late). US gunboat *Bienville*, while in Caribbean and passage to NYC -- 14
36. 1867 -- Oct, U.S. Ship *Potomac*, cholera, Philadelphia Navy Yard, PA -- 18
37. 1918 -- fall/winter, Cruiser *Pittsburgh*, influenza epidemic, Rio de Janeiro Brazil -- 58
 38. 1918 -- Sep 20-Oct 2, Navy Transport *America*, influenza outbreak, Atlantic/France -- 55
 39. 1918 -- Sep 29-Oct, Navy Transport *Leviathan*, influenza epidemic, Atlantic Ocean -- 91
 40. 1918 -- Early Oct, Navy Transport *Siboney*, influenza epidemic, Atlantic Ocean -- 38

¹⁸²⁵ Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.

¹⁸²⁶ The last three deaths were on the 8th in a San Francisco hospital after transfer from the boat upon landing on 7th.

¹⁸²⁷ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

¹⁸²⁸ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

¹⁸²⁹ A newspaper report is dated July 29. Another source simply notes that the *St. Ange* brought cholera to Fort Pierre, starting an epidemic which spread to traders, trappers, local Native Americans, and then their neighbors.

MARITIME Events-- **EXPLOSIONS** Subset -- **By MORTALITY**

1. 1865 -- Apr 27, steamer *Sultana* boiler explos./fire, MS. Riv., Redman Point, AR -1,547-1,947
2. 1947 -- Apr 16-17, *Grandcamp* ammonium nitrate explosion, Texas City, TX¹⁸³⁰ --581-600
3. 1944 -- Nov 10, explosion, USS *Mount Hood*, Seeadler Harbor, Manus Island¹⁸³¹ --372-378
4. 1944 -- July 17, munitions ships explode while loading, Port Chicago, CA¹⁸³² --320-325
5. 1898 -- Feb 15, Battleship *USS Maine* magazine explos., Havana Harbor, Cuba¹⁸³³ --263-268
6. 1866 -- Feb 02, steamboat *W.R. Carter* boiler explosion, MS River, Island No. 98 --123-215
7. 1838 -- Apr 25, steamboat *Moselle* boiler explosion and fire, near Cincinnati, OH --81-200
8. 1841 -- Aug 09, steamer *Erie* explosion/fire, sinks, Lake Erie off Silver Creek, NY--100-200
9. 1858 -- Jun 13, *Pennsylvania* boiler explos./fire, MS River, Ship Isl., Hardin Pt., AR--60-160
10. 1863 -- Aug 19, steamboat *City of Madison* ammunition explosion, Vicksburg, MS --50-156

11. 1849 -- Nov 15, steamboat *Louisiana* boilers explode, sinks, New Orleans, LA --86-150
12. 1838 -- June 14, sidewheel *Pulaski* boiler explodes/sinks SE of New River Inlet, NC--95-141
13. 1944 -- Jan 03, US destroyer *Turner* ammo explosions/fire/sinks ~NY Harbor, NY --138-139
14. 1967 -- July 29, USS *Forrestal* jet rocket fires/hits plane/fire/explosions, Tonkin Gulf, Vietnam-134
15. 1838 -- Apr 21, steamer *Oronoko* boiler explosion, MS River, near Princeton, MS --100-130
16. 1871 -- July 30, Staten Island ferry *Westfield II* boiler explosion, NY Harbor, NY --106-125
17. 1864 -- Sep 5, steamer *Washoe* boiler explos., Sacramento Riv., ~10m N. of Rio Vista, CA- 51-103
18. 1954 -- May 26, U.S. Carrier *Bennington* explosions and fire, off Quonset Point, RI -- 103
19. 1850 -- Dec 13, steamer-tug *Anglo-Norman* boiler explosion, near New Orleans, LA--20-100
20. 1851 -- Sep 29, steamboat *Brilliant* boiler explosion, Miss. River, Bayou Goula, LA --27-100
21. 1852 -- Apr 09, steamboat *Saluda* boiler explosion, Missouri River, Lexington, MO --54-100

22. 1844 -- Oct 23, steamer *Lucy Walker* boiler explosion, Ohio River ~New Albany, IN --56-80
23. 1847 -- Dec 29, steamer *A.N. Johnston* boiler explosion, Ohio River, ~Maysville KY --60-80
24. 1855 -- Jan 27, steamer *Pearl* boiler explosion, Sacramento River, Marysville, CA --40-80
25. 1871 -- Aug 27, steamboat *Ocean Wave* boiler explosion, Point Clear ~Mobile, AL --34-75
26. 1932 -- Sep 09, steam screw *Observation* explosion and fire, East River, NY -- 72
27. 1859 -- Feb 27, steamer *Princess* boiler explosion/fire, MS River, near Baton Rouge, LA-- 70
28. 1850 -- Apr 28, stmr. *Anthony Wayne* boiler explosion, Lake Erie, ~Vermilion, OH --38-69
29. 1865 -- Oct 12, steamer *Yosemite* boiler explosion, Sacramento Riv., Rio Vista, CA --55-68
30. 1871 -- Jan 28, steamer *W. R. Arthur* boilers explode, MS riv., Isl. #40 ~Memphis TN --45-66
31. 1866 -- Jan 30, steamer *Missouri* boiler explodes/sinks, Ohio River near Newburgh, IN-- 65
32. 1905 -- July 21, USS *Bennington* gunboat boiler explosion, San Diego, CA --60-65
33. 1852 -- Apr 03, steamboat *Glencoe* boiler explosion and fire, St. Louis, MO --40-62
34. 1945 -- Jan 21, USN plane bombs explode, USS *Hancock* landing, South China Sea -- 62
35. 1864 -- Nov 12, Navy gunboat *Tulip* boiler explosion, Ragged Point, MD --49-61
36. 1825 -- May 05, steamer *Teche*, explos. MS Riv., St. Catherines Creek, ~Natchez, MS--15-60
37. 1830 -- Feb 24, steamboat *Helen McGregor* boiler explosion, Miss riv., Memphis, TN--33-60
38. 1833 -- June 07, steamer *Peruvian* boiler explosion, MS River, ~New Orleans LA¹⁸³⁴ --50-60

¹⁸³⁰ Cross-listed in Explosions, in Fire, and in Hazardous Materials Transportation.

¹⁸³¹ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea. Cross-listed in Explosions.

¹⁸³² Cross-listed under Explosions and in Hazardous Materials Transportation.

¹⁸³³ Cross-listed under Explosions.

39. 1838 -- Nov 25, *General Brown* boiler explosion, Mississippi River, Helena, AR --30-60
 40. 1854 -- Jan 28, Steamboat *Georgia* Fire, Lake Pontchartrain, LA --25-60
 41. 1859 -- Apr 24 steamer *St. Nicholas* boiler explosion/fire, MS Riv., 9m above Helena AR--~60
 42. 1866 -- May 31, *City of Memphis* boiler explosion/fire, MS River off Buck Island AR--11~60
 43. 1867 -- Feb 17, Steamer *David White* boiler explosion, Miss. River ~Pt. Chicot, MS --35-60

Maritime Events -- EXPLOSIONS Subset -- By Mortality (continued)

44. 1842 -- July 03, steamboat *Edna* boiler explosion, near Mouth of Missouri River, MO -- 55
 45. 1913 -- Mar 07, harbor/ship (*Alum Chine*) dynamite explosion, Baltimore, MD¹⁸³⁵ -- 55
 46. 1925 -- Aug 18, Steamer *Mackinac* Boiler Explosion, Narragansett Bay --47-55
 47. 1944 -- Apr 19, U.S. Liberty Ship *John Straub* explodes/sinks off Sanak Island, AK -- 55
 48. 1945 -- Apr 09, US freighter *Charles Henderson* explos., bomb unloading, Bari, Italy --52-54
 49. 1848 -- Aug 12, steamer *Edward Bates* boiler explosion, Miss. River ~Hamburg, IL -- 53
 50. 1837 -- Dec 27, *Black Hawk* Boiler Explos./Fire, MS River, Black Hawk Pt., LA --30-50
 51. 1848 -- May 27, steamboat *H. Kenney* boiler explosion, Tombigbee River, AL -- 8-50
 52. 1850 -- Oct 29, Steamboat *Sagamore* boiler explosion, Central wharf, San Francisco, CA --30-50
 53. 1854 -- Apr 15, Steamer *Secretary* Explosion, SF Bay, at San Pablo Bay, CA -- 50
 54. 1860 -- June 25, Steamer *Ben. W. Lewis* boiler explosion/fire, Miss. River, Cairo, IL --23-50
 55. 1880 -- June 28, Steamer *Seawanhaka* Explodes/Burns, East River, Randall's Isl. NY --24-50
56. 1989 -- Apr 19, *USS Iowa* No. 2 turret explosion, near Puerto Rico -- 47
 57. 1854 -- Mar 13/14, Burst Flue, *Reindeer*, Ohio River, Cannelton, IN --38-46
 58. 1889 -- Oct 03, Steamer *Corona* Boiler Explosion, Mississippi River, False River, LA--38-46
 59. 1829 -- Jun 04, Magazine explos., steam Frigate *Fulton*, Navy Yard, Brooklyn NY¹⁸³⁶--24-40
 60. 1835 -- May 15, Steamboat *Majestic* boiler collapse/explosion, Memphis TN --38-40
 61. 1843 -- Sep 19, steamboat *Clipper No. 1* boiler explosion, MS River, Bayou Sara, LA --30-40
 62. 1852 -- Apr 03, Steamer *Redstone* boiler explosion, Ohio River 3M~ Carrolton, KY --26-40
 63. 1852 -- July 05, Steamer *St. James* boiler explosion/burns, Lake Pontchartrain, LA --38-40
 64. 1866 -- Jan 28, steamer *Miami* boiler explosion and fire, Arkansas River ~Napoleon AR-- 40
 65. 1872 -- Apr 11, steamer *Oceanus* boiler explosion/fire, MS River, Brook's Point, IL --34-40
66. 1860 -- Oct 31, Steamer *H.R.W. Hill* Boiler Explosion, MS River, Baton Rouge, LA -- 39
 67. 1953 -- Oct 16, carrier *USS Leyte* explosion/fire, Charleston Naval Yard, Boston MA -- 37
 68. 1852 -- Sep 04, Steamboat *Reindeer* Boiler Explosion, Hudson River ~ Bristol, NY --28-37
 69. 1941 -- June 29, Cabin Cruiser *Don* Explodes and Burns off Bailey Island, ME -- 37
 70. 1850 -- Apr 22, *Belle of the West*, Fire / Boiler Explos.?, OH River, ~Warsaw, KY¹⁸³⁷- 34-36
 71. 1853 -- Mar 23, Steamer *Farmer* boiler explosion, was racing, Galveston Bay, TX --32-36
 72. 1865 -- Jan 26/27, Steamer *Eclipse* Boiler Explos., Tenn. River, Johnsonville, TN --27-36
 73. 1845 -- Jul 23, Steamboat *Big Hatchie* boiler explosion, Missouri River, Hermann MO-- >35
 74. 1868 -- Mar 18, *Magnolia* boiler explosion/fire, OH Riv. ~Cincinnati Oh & California Ky-- 35

¹⁸³⁴ One report was of a boiler explosion above New Orleans, another in Natchez MS, one which notes only MS River between New Orleans and Louisville, and one which states that the explosion did not occur.

¹⁸³⁵ Cross-listed in Explosions and in Hazardous Materials Transportation.

¹⁸³⁶ Cross-listed in Explosions.

¹⁸³⁷ There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

75. 1853 -- Apr 11, steamship *Jenny Lind* boiler explosion, San Fran. Bay ~Redwood City, CA--33-34
 76. 1864 -- Apr 15, steamer *Chenango* boiler explosion, NY Harbor ~Ft. Richmond NY --30-33

Maritime Events-- EXPLOSIONS Subset -- By Mortality (continued):

77. 1817 -- May 04, steamer *Constitution* boiler explosion, Miss. Riv., Point Coupee, LA --10-30
 78. 1828 -- May, *Car of Commerce* boiler explosion, Miss. River, 110m so. Ohio River -- 30
 79. 1836 -- Mar 13, steamboat *Ben Franklin* boiler explosion near wharf, Mobile, AL --13-30
 80. 1839 -- May 06, *George Collier* steam escape, Miss. River at Red River mouth, LA --26-30
 81. 1845 -- July 01, steamboat *Marquette* boiler explosion, New Orleans, LA --17-30
 82. 1848 -- Jan 09, *Blue Ridge* boiler explosion, OH River, Raccoon Island, ~Gallipolis OH--15-30
 83. 1850 -- Nov 21, 25 or 26, steamer *Antoinette Douglas* boiler explosion, AL River, AL-- 9-30
 84. 1852 -- Nov 12, *Buckeye Belle* boiler explosion, Muskingum River, Beverly canal, OH-- 30
 85. 1855 -- June 30, steamer *Lexington* boiler explosion/fire, Ohio Riv., ~Stephensport KY-- 30
 86. 1856 -- Feb 05, steamer *Belle* boiler explosion, nine miles above Sacramento, CA -- ~30
 87. 1873 -- Aug 22, *George C. Wolfe* boiler explosion, MS Ri., St Francis Is. ~Helena AR -15-30
 88. 1888 -- Feb 27, ferry *Julia* boiler explosion/fire, Carquinez Strait, South Vallejo, CA -- 30
 89. 1918 -- Oct 04, steamer *San Sabo* strikes mine, 15 miles SW of Barnegat, NJ¹⁸³⁸ -- 30
90. 1848 -- Sep 17, steamer *Concordia*, flue/boiler explosion, Miss. Riv., Plaquemine, LA--28-29
 91. 1842 -- Apr 14, *Medora* steamboat boiler explosion, Baltimore Harbor, MD -- 28
 92. 1901 -- Aug 28, boiler explodes, *City of Trenton*, Delaware River, ~Torresdale, PA --26-28
 93. 1969 -- Jan 14, explosions and fire on USS *Enterprise*, off Pearl Harbor, Hawaii -- 28
 94. 1837 -- Aug 15, steamer *Dubuque* boiler explosion, Miss. River, Muscatine Bar, IA --16-27
 95. 1863 -- Apr 14, *Queen of the West* magazine explosion, fire from shelling, Grand Lake LA--26
 96. 1863 -- Apr 27, steamer *Ada Hancock* explosion, San Pedro Bay, LA, CA -- 26
 97. 1926 -- Apr 11, tanker *Gulf of Venezuela* explosion, Port Arthur, TX¹⁸³⁹ -- 26
 98. 1969 -- Dec 26, USN Charter SS *Badger State* explos./raft hit by falling bomb, N. Pacific -- 26
 99. 1975 -- Jan 31, tanker *Corinthos* explosions/fire; hit by *Queeny*, Del. Riv. Marcus Hook PA-26
 100. 1847 -- Jan 28, steamer *Tuscaloosa* boiler explosion/fire, Mobile riv., 10M no. of Mobile AL--~25
 101. 1847 -- June 04 or 05, steamer *Edna* boiler explosion, Ouachita Riv. Columbia, LA --20-25
 102. 1854 -- Apr 08, steamer *Gazelle* boiler explosion, Oregon City, OR -- 25
 103. 1864 -- Dec 11, steamboat *Maria* boiler explosion, fire, Miss. River, Carondelet, MO-- ~25
 104. 1866 -- Mar 04, steamer *R.J. Lockwood* boiler explosion, MS Riv., below Memphis TN --17-25
 105. 1866 -- Aug 6, steamer *General Lytle* boiler explos. ~Bethlehem IN, OH Riv., KY side--20-24
 106. 1882 -- Aug 07, steamboat *Gold Dust* boiler explosion/fire, MS River ~Hickman, KY-->24
 107. 1841 -- Aug 12, steamer *Louisiana* boiler explosion, Miss. River, ~Bayou Sara, LA --20-23
 108. 1851 -- Sep 21, steamboat *James Jackson* boilers explode, OH Riv., Shawneetown IL --15-23
 109. 1850 -- Mar 23, steamer *Troy* boiler explosion, ~Lake Erie, Niagara Riv. ~Buffalo NY--18-22
 110. 1911 -- Jun 24, *City of St. Joseph*, flue collapse, MS Riv., Presidents Island, TN¹⁸⁴⁰ --20-22
 111. 1964 -- June 30, drilling barge *C.P. Baker* blowout/explosion/fire, Gulf of Mex. off LA--22
 112. 1851 -- Mar 02, steamer *Oregon* boiler explosion/fire, Miss. Riv., Island No. 82, AR --20-21
 113. 1956 -- Jan 17, gasoline explos./fire, SS *Salem Maritime*, terminal, Rose Bluff, LA¹⁸⁴¹-- 21

¹⁸³⁸ Cross-listed in Violence-Attack.

¹⁸³⁹ Cross-listed in Hazardous Materials Transportation.

¹⁸⁴⁰ When the flues collapsed due to too much pressure, the boiler exploded, causing destruction, death and injury.

Maritime Events -- **EXPLOSIONS** Subset -- **By Mortality** (continued):

114. 1833 -- Oct 16, steamer *New England* boiler explosion, Conn. River, Essex, CT --13-20
115. 1850 -- Jan 23, *St. Joseph* boiler explosion, MS Riv., Islands No 80/81, ~Napoleon AR-8-20
116. 1850 -- Dec 17, steamboat *Knoxville* boiler explosion, New Orleans, LA --12-20
117. 1851 -- Feb 20, sidewheel ferry *St. Louis*, boiler explosion, St. Louis, MO -- 20
118. 1852 -- Jan 14, *George Washington* boiler explosion/fire, MS Riv., Grand Gulf, MS --16-20
119. 1852 -- Apr 25, steamboat *Prairie State No. 2*, boiler explosion, Illinois Riv., Pekin, IL--20
120. 1854 -- Aug 26, steamboat *Timour* boilers explode, MO Riv. 3m~Jefferson City, MO --15-20
121. 1858 -- Jan 28, *Fanny Fern* boiler explosion/fire, OH Riv., ~Garrison Creek, KY¹⁸⁴²--17-20
122. 1858 -- Feb 17, steamer *Magnolia* boiler explos., Cape Fear River, White Hall, NC --11-20
123. 1860 -- Nov 03, steam Towboat *Baltic* boiler explosion, Mobile Bay ~Mobile, AL -- <20
124. 1876 -- May 17, steamer *Pat Cleburne* boiler explodes/fire, OH Riv., ~Weston KY, IL shore~20
125. 1905 -- Jan 03, towboat *Defender* boiler explosion, Ohio River, ~Huntington, WV -- 9-20
126. 1941 -- Mar 24, oil tanker *Cities Service Denver* explosion/fire, off NC/SC coast¹⁸⁴³--19-20
127. 1945 -- Feb 05, tanker *Spring Hill* hit/explosion/fire, off Stapleton, Staten Island, NY-19-20
128. 1881 -- Dec 26, steamer *West Point* gasoline fumes explos., York Ri., West Point, VA¹⁸⁴⁴ 19
129. 1947 -- Sep 09, fuel tanks explode, fire, steamboat *Island Queen*, Pittsburgh, PA -- 19
130. 1847 -- Jan 21, stmr. *Phoenix* boiler explos.; *Phoenix/Manchester* deaths; Head of Passes, LA-- 18
131. 1847 -- May 06, steamboat *New Hampshire* boiler explos., Ark Riv., Pine Bluff, AR-12-18
132. 1848 -- Sep 15-21, propeller *Goliah* fire/explos., Lake Huron, ~Point au Barques, MI-- 18
133. 1869 -- Aug 14, steamer *Cumberland* boiler explosion, OH River, ~Shawneetown, IL-- 18
134. 1874 -- Oct 22, steamer *Brooklyn* boiler explodes/sinks, Detroit Riv. ~Wyandotte MI--13-18
135. 1926 -- Nov 19, oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD¹⁸⁴⁵ 18
136. 1932 -- Feb 04, Sun Oil tanker *Bidwell* explos., while cleaning, Marcus Hook, PA¹⁸⁴⁶-- 18
137. 1820 -- Mar 20, steamboat *Buffalo* explosion, Owensboro, KY -- 17
138. 1840 -- Dec 12, explosion, Steamboat *Cherokee*, Arkansas River, Lewisburg, AR -- 17
139. 1882 -- Dec 6, steamer *Morning Star* flue collapse/boiler bursts, MS Riv., below N.O., LA--15-17
140. 1944 -- May 11, explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA¹⁸⁴⁷17
141. 1833 -- May 19, *St. Lioness* Fire/Gunpowder Explos., Red Riv., Montgomery, LA¹⁸⁴⁸14-16
142. 1842 -- Feb 25, steamboat *North Star* boiler explosion & Fire, Tuscaloosa, AL --15-16
143. 1849 -- Mar 03, steamer *Woodsman*, Mississippi River, Bayou Sara, LA -- 3-16
144. 1849 -- Mar 31, steamer *Virginia* boiler explodes, sinks, Ohio River, Rush Run, OH--14-16
145. 1869 -- Jan 13, steamer *Glide* boiler explosion/fire, MS Riv. ~57m above New Orleans LA -15-16

¹⁸⁴¹ Cross-listed in Explosions and in Hazardous Materials Transportation.

¹⁸⁴² Cross-listed in Maritime Fires in that most of the drowning deaths were precipitated by the fire spread.

¹⁸⁴³ Cross-listed in Hazardous Materials Transportation, as a possible cause of the explosion.

¹⁸⁴⁴ Cross-listed in Hazardous Materials Transportation.

¹⁸⁴⁵ Cross-listed in Explosions.

¹⁸⁴⁶ Cross-listed in Hazardous Materials Transportation.

¹⁸⁴⁷ Cross-listed in Explosions.

¹⁸⁴⁸ Cross-listed in Hazardous Materials Transportation.

146. 1892 -- Jun 13, USS *Boston*, munitions explosion, Mare Island Navy Yard, CA¹⁸⁴⁹ --14-16
 147. 1906 -- Dec 19, steamer *W.T. Scovell* boiler explodes, ~Vicksburg, Gold Dust Lndg. LA--13-16
 148. 1913 -- Jan 09, Boiler Explosion, *Jas. T. Staples*, Tombigbee River, ~Mobile, AL --15-16
 149. 1944 - Oct 21, Vapor explos./fire, USN LSMs 211/212, Berth 223, LA Harbor, CA¹⁸⁵⁰--16

MARITIME Events -- **EXPLOSIONS** Subset – **MORTALITY** (continued)

150. 1830 -- Apr 01, explosion of the *Tri-Color*, Ohio River, Wheeling, WV -- 15
 151. 1830 -- May, steamer *Chief Justice Marshall* boiler explosion, Hudson River, NY -- 15
 152. 1830 -- Sep 16 or 17, sidewheel *William Peacock* steam pipe breaks, Lake Erie ~Buffalo NY-15
 153. 1835 -- Oct 01, steamer *Carrollton* explosion, Baton Rouge, LA -- 8-15
 154. 1836 -- ~Oct, steamer *Nicholas Biddle* boiler explosion, below Memphis TN --13-15
 155. 1836 -- Dec 19, schooner *Dolphin* boiler explosion, off St. Johns Bar, FL -- 15
 156. 1847 -- Dec 20, steamer *Westwood* hits bank in fog, boilers explode, below New Orleans LA--12-15
 157. 1849 -- Jan 14, steamer *Richland* boiler explosion, Pee Dee River, Britton's Ferry, SC-- 15
 158. 1850 -- Nov 07, steamboat *Telegraph* boiler explosion, off New Castle, DE -- 15
 159. 1853 -- Dec 22, steamer *Marlboro/Marlborough* boiler explosion, Charleston, SC --14-15
 160. 1854 -- Feb 16, steamboat *Kate Kearney* boiler explosion, St. Louis, MO -->9-15
 161. 1857 -- Nov 18, steamboat *Cataract* mud drum explosion, Missouri Riv., Lisbon, MO --12-15
 162. 1860 -- Nov 08, steamer *Globe* boiler explosion at dock, Chicago River, Chicago, IL-- 15
 163. 1861 -- Feb 28, steamer *Corrine* explosion, McDonoghville, across from NOLA, LA-- 15
 164. 1865 -- Oct 29, steamer *St. John* boiler explosion, Hudson River, ~5 miles above NYC-- 15
 165. 1878 -- Sep 28, steamer *Adelphi* boiler explosion, ~Gregory's Pt. E. Norwalk, CT --14-15
166. 1834 -- Apr 12, steamer *St. Louis* boiler explosion, Des Moines Rapids, IA -- 14
 167. 1842 -- Feb 19, steam towboat *Mohican* boiler explodes, MS Ri., New Orleans, LA --10-14
 168. 1857 -- Mar 30, steamer *Forest Rose* boiler explos., Miss. Riv., near Napoleon, AR --11-14
 169. 1858 -- Feb 04, *Colonel Crossman* boiler explosion, fire, Miss. Riv. ~New Madrid MO-- 14
 170. 1862 -- Nov 05, steamer *J.H. Dickey* grounds IL shore, MS River, boiler explodes -- 14
 171. 1924 -- Oct 20, USS *Trenton* gun turret powder bag explosion, off Norfolk, VA -- 14
172. 1824 -- May 15 steamboat *Aetna* boiler explosion, New York Harbor, NY --10-13
 173. 1833 -- Nov 08, steamer *Illinois* boiler explosion, Miss. River, near Cairo, IL -- 13
 174. 1852 -- Jan 09, steamboat *Magnolia* explodes, St. Simon's Island, GA -- 13
 175. 1864 -- May 21, steamboat *Nile* boiler explosion, Detroit, MI -- 6-13
 176. 1864 -- Oct 17, *J.C. Irwin* boilers explode, Cumberland Riv., 10m above Eddyville, KY--11-13
 177. 1870 -- July 31, steamer *Silver Spray* boiler explosion/fire, MS Riv., Pacific Place, TN- 9-13
 178. 1876 -- Mar 01, explosion, scow, Umatilla Rapids, OR -- 13
 179. 1893 -- May 07, steam flue bursts, steamer *Ohio*, Mississippi River ~Wolf Island, MS-- 13
 180. 1916 -- Jan 04, Gas fumes explosion, oil tanker *Aztec Norge*, Erie Basin dock, NY¹⁸⁵¹-- 13
 181. 1974 -- Apr 09, oil tanker *Elias* explosions unloading at dock, Del. Riv., Fort Mifflin, PA--13
182. 1831 -- June 09, explosion, *General Jackson*, Hudson River, Grassy Point, NY -- 12

¹⁸⁴⁹ Cross-listed in Explosions and in Hazardous Materials Transportation.

¹⁸⁵⁰ Cross-listed in Explosions and in Hazardous Materials Transportation.

¹⁸⁵¹ Cross-listed in Hazardous Materials Transportation.

MARITIME Events -- **EXPLOSIONS** Subset -- **MORTALITY** (continued):

183. 1836 -- Aug 09, steamer *Motto* boiler explos., Blennerhasset's Island, OH Riv., WV-- 12
 184. 1837 -- July 28, sidewheel steamboat *Chariton* boiler explosion St. Louis, MO -- 12
 185. 1850 -- Oct 05, *Kate Fleming* boiler explosion/fire, Ohio River, Walker's Bar, KY --11-12
 186. 1855 -- Apr 20, propeller *Oregon* boiler explodes/sinks, Detroit River ~Belle Isle, MI-- 12
 187. 1860 -- Mar 06, steamer *Alfred Thomas* boiler explosion, Del. River, Easton, PA --10-12
 188. 1862 -- Oct 07, steamboat *Ceres* boiler explosion off St. Joseph Island lighthouse, MS-- 12
 189. 1864 -- Aug 10, propeller Racine boiler explosion, Lake Erie, off Rondeau, Ontario -- 12
 190. 1865 -- July 31, steamer *Joseph Pierce* boiler explosion, Palmyra Landing, MS -- 9-12
 191. 1902 -- Dec 03, fuel tank explosion, *Progreso*, Fulton Shipyard, SF, CA -- 12
 192. 1947 -- Jun 22, tanker *Markay* vapor explos. loading petrol. products, Mormon Isl., LA, CA--11-12
193. 1830 -- Apr 18, stmr. *Caledonia* boiler explosion,, MS Riv., ~9m below New Madrid, MO--10-11
 194. 1850 -- July 31, Steamer *America* boiler explosion, Lake Erie, near Barcelona, NY -- 11
 195. 1851 -- Aug 20, Steamboat *Dacotah* explosion,, Peoria, IL -- 11
 196. 1853 -- June 20, Steamboat *New World* boiler explosion,, New York, NY -- 11
 197. 1865 -- Dec 09, Steamer *De Soto* boiler explosion, near Pascagoula, MS -- 11
 198. 1868 -- May 01, steamer *Governor Cushman* boiler explodes, Lake Erie, Buffalo, NY-- 11
 199. 1886 -- Sep, Steamboat *Julia* boiler explosion, -- 11
 200. 1904 -- May 26, Towboat *Fred Wilson*, boiler explosion, W. Louisville, KY -- 11
 201. 1908 -- Nov 21, steamer *H.M. Carter* boiler explosion/fire, MS Riv., Bayou Goula, LA-10-11
 202. 1914 -- May 11, Boiler Scalding, *Steamer Jefferson*, Norfolk, VA to NYC -- 11
 203. 1916 -- Feb 02, Steamer *Sam Brown* boiler explosion, Huntington, WV -- 11
 204. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX¹⁸⁵²--11
 205. 2010 -- Apr 20, drill rig *Deepwater Horizon* explosion, Gulf of Mex., ~50m, LA¹⁸⁵³-- 11
206. 1816 -- Jun 09, steamer *Washington* explosion, Ohio River, Point Harmar, OH -- ~10
 207. 1837 -- Jun 19, steamboat *Crusader* boiler explosion, Rabbit Island, LA -- ~10
 208. 1838 -- Dec 3, stmr. *Augusta* boiler explosion, Miss. River ~11m north of Natchez, MS--10
 209. 1839 -- Nov 18, *Wilmington* boiler explosion, MS Riv., ~AR Riv. and Napoleon, AR--6-10
 210. 1845 -- Feb 8, stmr. *Siren* boiler explodes, Apalachicola Riv., below Chattahoochee, FL-10
 211. 1852 -- Dec 14, steamer *Magnet* boiler explosion, OH River, Grandview Island, WV-- 10
 212. 1864 -- Nov 26, sternwheel *Sophie McLane* boiler explosion, Suisan City dock, CA -- ≥10
 213. 1865 -- Aug 21, steamboat *Argosy No. 3* mud drum explosion, Ohio River ~Rono, IN-- 10
 214. 1866 -- Sep 29, steamer *Julia*, steam drum explosion, San Francisco, CA -- 10
 215. 1877 -- Oct 02, steamer *Comfort* boiler explosion, OH Riv. near Pipe Creek, WV side-- 10
 216. 1880 -- Aug 09, steamer *Bonnie Lee* boiler explosion, Lenoir Pt., Red River, LA -- 9-10
 217. 1883 -- May 25, steamboat *Pilot* boiler explosion, Petaluma River near Lakeville, CA-9-10
 218. 1896 -- May 10, *Harry Brown* boiler explosion, Miss. River, near Ursina Landing, MS-- 10
 219. 1907 -- July 15, USS *Georgia* gun turret powder explosion off Cape Cod, MA -- 10
 220. 1945 -- Jan 02, Sun Oil tanker *Sunoco* fire and explosion, off Sandy Hook, NJ¹⁸⁵⁴ -- 10

¹⁸⁵² Cross-listed in Explosions in that the pipeline the *Northumberland* hit was not where it should have been, under the sea-floor, and the natural gas explosion and resulting fire on the boat led to the loss of life.

¹⁸⁵³ Cross-listed in Explosions.

¹⁸⁵⁴ Cross-listed in Hazardous Materials Transportation.

Maritime Events -- EXPLOSIONS subset -- (continued):

- 221. 1957 -- Jan 29, tanker SS *Jeanny* vapor explosions, Todds shipyard, Alameda, CA¹⁸⁵⁵--10
- 222. 1957 -- Mar 6, USN tanker *Mission San Francisco* & *Elna II* collide, explosion, Delaware Riv. DE-- 10

¹⁸⁵⁵ Cross-listed under Explosions

MARITIME Events -- FIRE Subset -- By MORTALITY

1. 1904 -- June 15, fire, *General Slocum* excursion steamer, East River, NYC, NY --957-1,031
2. 1865 -- Mar 31, US Govt. Transport *General Lyon* burns off Cape Hatteras, NC --~521-571
3. 1900 -- June 30, North German Lloyd Line Fire, Piers & Ships, Hoboken, NJ --325-400
 - 9 *Bremen* (crew). Hoboken Historical Museum.
 - 0 *Kaiser Wilhelm der Grosse*. Hoboken Historical Museum.
 - 44 *Main*. Hoboken Historical Museum. CD-ROM: The 1900 Hoboken Pier Fire.
 - 99 *Saale*. Eastlake, Russell, Sharpe. *World Disasters*. "Saale, New York." 2001, p. 30.
 - 173 "...on the piers." Hoboken Historical Museum.
4. 1850 -- June 17, Steamer *G.P. Griffith* fire, Lake Erie, off Chagrin River mouth, OH-250-300
5. 1847 -- Nov 21, Fire, Steamboat *Phoenix*, Sinks, Lake MI, off Sheboygan, WI --160-258
6. 1862 -- July 27, Pacific Mail steamboat *Golden Gate* burns/sinks off Manzanilla, Mexico-- ~213
7. 1869 -- Oct 27, steamer *Stonewall* burns/grounds, Miss. River, Tea Table Bar, MO -- ~209
8. 1841 -- Aug 09, Steamer *Erie* explosion/fire, sinks, Lake Erie off Silver Creek, NY--100-200
9. 1837 -- May 08, Steamer *Ben Sherrod* fire/explosions, MS River, Fort Adams, MS --120-175
10. 1840 -- Jan 13, Steamer *Lexington* Fire/Sinks, Long Island Sound, NY --118-156

11. 1832 -- Apr 09, Steamer *Brandywine* Burns, Miss. River, Brandywine Island, AR --60-155
12. 1934 -- Sep 08, *Morro Castle* Ship Fire, off Sea Girt, Monmouth County, NJ --134-135
13. 1868 -- Apr 09, WI sidewheel *Sea Bird* fire/sinks, Lake Michigan, off Waukegan, IL--67-102
14. 1852 -- July 28, Steamer *Henry Clay* Burns/Sinks, Hudson River, Yonkers, NY¹⁸⁵⁶ --70-90
15. 1965 -- Nov 13, SS *Yarmouth Castle* fire/capsizes/sinks, Miami to Nassau ~Great Stirrup Cay-- 90
16. 1872 -- Oct 33, Screw Steamer *Missouri* Fire off Abaco Light, Lucaya, Bahamas --50-87
17. 1857 -- Nov 21, steamer *Rainbow* burns/sinks, MS Riv., Victoria Bend, Napoleon AR--62-75
18. 1873 -- Aug 08, Steamer *Wawaset* Burns off Aquia Creek, VA --13-75
19. 1875 -- Nov 09, Steamship *City of Waco* Burns, off Galveston Bar, TX --49-70
20. 1883 -- May 03, American Steamer *Grapples*, Puget Sound to Alaska, Burns, off BC -- 70
21. 1869 -- Feb 12, Steamer *Mittie Stephens* fire, Caddo Lake ~Swanson's Landing TX --61-69
22. 1857 -- May 31, Steamboat *Louisiana* Burns, Galveston Bay, TX --35-66
23. 1902 -- Apr 20, Steamer *City of Pittsburg* fire, Ohio River near Ogden's Landing, KY-- ~64
24. 1856 -- Mar 15, Steam Ferry-Boat *New Jersey* Burns, PA to Camden NJ --30-61
25. 1854 -- Jan 28, steamboat *Georgia* Fire (boiler explosion?), Lake Pontchartrain, LA --25-60
26. 1854 -- Mar 05, steamboat *Caroline* burns, White Riv. ~20M from MS Riv. mouth, AR--45-60
27. 1856 -- Sep 24, Sidewheel *Niagara* burns/sinks, Lake Mich., off Port Washington, WI- 40-60
28. 1867 -- Jan 17, Steamer *John Raine* Burns?, Mississippi River, Greeneville, MS¹⁸⁵⁷ -- 59
29. 1856 -- July 17, MI steamer *Northern Indiana* burns, Lake Erie, near Pt. Pelee, Ontario--40-58

¹⁸⁵⁶ Though fire was the precipitating event, at coroner's inquest it was stated that most of the deaths were drowning.

¹⁸⁵⁷ Though there are four sources, I have been unable to corroborate with any newspaper or other source. Seems suspicious – when there was a steamboat event with large loss of life it was reported in papers all over the country. We speculate there may have been some confusion between this reported event and the boiler explosion on the steamboat *David White* 2-17-1867 at Point Chicot, just above Greenville. Earlier in its career (1858) the *David White* had been named the *John Raine*. The source we use which notes this states that "some sixty persons lost their lives..." when the *David White* boilers exploded. (*Cincinnati Commercial*. "River and Steamboat News." 5-9-1867, p. 7, col. 2.) This is very close to the 59 reported by Berman, Lytle and Holdcamper, Nash, and Way, in their accounts of the *Raine* fire. We suspect that either Lytle and Holdcamper or Way put down the first (and mistaken) account, and the other sources just repeated the same data.

- 30. 1871 -- Jan 14, steamboat *T. L. McGill* burns, Mississippi River, Shoo-Fly Bar, MS --40-58
- 31. 1838 -- June 16, steamer *George Washington* (2d) burns, Lake Erie, ~Silver Creek, NY-30-50
- 32. 1854 -- Apr 15, steamer *Secretary* explosion, SF Bay, at San Pablo Bay, CA -- 50
- 33. 1874 -- Aug 05, steamboat *Pat Rogers* burns, Ohio River ~1M below Aurora, IN --47-50
- 34. 1960 -- Dec 19, fire, *USS Constellation* (under construction) NY Naval Shipyard, NY -- 50

MARITIME Disasters -- FIRE Subset -- By MORTALITY (continued):

- 35. 1924 -- Jun 12, Battleship *USS Mississippi* Gun Turret Cordite Fire off San Pedro CA -- 48
- 36. 1930 -- Jun 10, Fog/Collision/Fire, *Fairfax*/Oil Tanker *Pinthis*, off Scituate, MA¹⁸⁵⁸ --45-47
- 37. 1966 -- Oct 26, USS *Oriskany* fire, lit magnesium flare in flare locker, off Vietnam -- 44
- 38. 1866 -- Dec 27, Steamer *Fashion* burns, Miss. Riv., 7-12 miles above Baton Rouge, LA-- 43
- 39. 1848 -- May 27, steamer *Clarksville* burns, MS Riv., ~Isl. 75/Ozark Isl. ~Napoleon AR --21-41
- 40. 1850 -- Mar 04, steamer *Orline St. John* burns/sinks, Ala. Riv. ~Bridgeport Landing, AL --39-41
- 41. 1833 -- Oct 31, Steamer *St. Martin* burns, Mississippi River, Donaldsonville, LA --30-40
- 42. 1833 -- Nov, Steamship *Caspian* burns, near Mouth of Red River, LA --25-40
- 43. 1851 -- May 02, steamer *Webster* burns, MS riv., Island no. 86, Kentucky Bend KY --30~40
- 44. 1865 -- May 29, storm, *Governor Troup* burns Savannah Ri., below Augusta, SC shore-- 40
- 45. 1870 -- Feb 19, steamer *Emma No. 3* snags/burns,¹⁸⁵⁹ MS Riv., Isl. No. 35/Reverie, TN-- 40
- 46. 1886 -- Dec 13, steamer *J.M. White* fire, MS Riv., Blue Store Lndg. ~Pt. Coupee, LA --28-40

- 47. 1951 -- Apr 20, *Esso Greensboro* & *Esso Suez* collide full speed/dense fog, Gulf of Mexico-- 39
 --37 tanker *Esso Greensboro* (5 survivors)
 -- 2 tanker *Esso Suez* (47 survivors)
- 48. 1953 -- Oct 16, carrier *USS Leyte* explosion/fire, Charleston Naval Yard, Boston, MA-- 37
- 49. 1841 -- Feb 22, steamer *Creole* fire, Mississippi river, Torras, ~Red River Mouth, LA --12-36
- 50. 1850 -- Apr 22, *Belle of the West*, fire/boiler explosion?, OH River, ~Warsaw, KY¹⁸⁶⁰--34-36
- 51. 1951 -- May 14, collision/fire *USS Valcour* & *Thomas Tracy* off Cape Henry, VA -- 36
- 52. 1848 -- Jan 18, steamboat *Yalobusha* burns, Mississippi River, Donaldsonville, LA -- 35
- 53. 1864 -- June 08, steamboat *Berkshire* fire, Hudson River, Esopus Island, NY -- 35
- 54. 1865 -- Mar 02, Union transport *James Watson* snags/burns, MS Riv., Island No. 76, AR --34-35
- 55. 1886 -- Oct 05, *La Mascotte* flue collapse/fire/stack fall, MS Riv., Crawford Lndg., MO-- ≥35
- 56. 1941 -- Aug 18, fire, Pier 27, spreads to freighter *Panuco*, burns/sinks, Brooklyn NY --34-35
- 57. 2019 -- Sep 02, diving boat *Conception* fire, near north side of Santa Cruz Island, CA -- 34
- 58. 1888 -- Dec 23, steamer *Kate Adams* burns, Mississippi River, Commerce Landing, MS- ~33
- 59. 1836 -- Oct 25, steamer *Royal Tar* burns/sinks off Fox Island, Penobscot Bay, ME -- 32
- 60. 1882 -- Mar 30, steamboat *Golden City* burns, Mississippi River, Memphis, TN --28-32
- 61. 1866 -- Apr 26, steamer *Windsor* burns, Detroit River, Detroit, MI --20-31
- 62. 1850 -- Dec 17, steamboat *South America* burns, Miss. River, Morgan's Bend, LA --27-30
- 63. 1863 -- Aug 04, steamboat *Ruth* burns (arson), Mississippi River, ~Columbus, KY -- 30
- 64. 1875 -- Apr 23, steamers *Exporter*, *Charles Bodman*, *Kyle* burn, New Orleans, LA -- 30
- 65. 1882 -- Sep 30, steamboat *Rob't. E. Lee* burns, Miss. River, Yucatan Landing, LA --22-30

¹⁸⁵⁸ Cross-listed in Fog as a Contributing Condition. There were deaths due to the collision and to the fire.

¹⁸⁵⁹ Cross-listed in snags.

¹⁸⁶⁰ There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

MARITIME Disasters -- FIRE Subset -- By MORTALITY (continued):

66. 1858 -- Mar 01, steamer *Eliza Battle* fire,¹⁸⁶¹ Tombigbee R. Kemps Landing ~Demopolis AL-- 29
67. 1876 -- July 09, steamer *St. Clair* burns, Lake Superior, off 14 Mile Pt. ~Ontonagon, MI --26-27
68. 1942 -- Aug 17, submarine USS *Bass* fire, asphyxiations, Pacific off Panama --26 of 80
69. 1863 -- Nov 13, steamer *Sunnyside* burns, MS river ~Isl. #16, below Caruthersville, MO --22-25
70. 1888 -- Dec 24, steamer *John H. Hanna* Burns, Mississippi Riv., Plaquemine, LA --21-25
71. 1867 -- Dec 24, steamer *Raleigh* burns to water-line, off Charleston, SC --14-24
72. 1886 -- Dec 28, steamer/boarding house *Bradish Johnson* fire, Jackson, AL -- ~24
73. 1907 -- Feb 22, steamer *Marion* burns, Wadmalaw Sound, Hart's Landing, SC --12-24
74. 1854 -- Oct 08, sidewheeler *E.K. Collins* burns, Lake Erie, near mouth of Detroit Riv., MI-- 23
75. 1855 -- Mar 23, steamboat *Bulletin No. 2* burns, Miss. River, Alsatia-Salem Bend, LA-- 23
76. 1858 -- Apr 02, steamer *Sultan* fire, Mississippi River, near St. Genevieve, MO -- 23
77. 1858 -- Apr 22, steamer *Ocean Spray* fire (racing), Miss. River, near St. Louis, MO -- 23
78. 1867 -- May 21, steamer *Wisconsin* burns, Lake Ontario, ~Grenadier Isl./Cape Vincent, NY-23
79. 1877 -- Apr 13, steamer *Leo* burns 83 miles south of Tybee Light, GA -- 23
80. 1863 -- Sep 28, steamboat *Robert Campbell Jr.* burns, MS River, Milliken's Bend, LA-- 22
81. 1867 -- Feb 10, steamer *City of Bath* fire off Cape Hatteras, NC -- 22
82. 1887 -- June 17, steamer *Champlain* burns, grounds, Lake Mich., off Charlevoix, MI -- 22
83. 1873 -- Feb 15, steamer *Henry A. Jones* burns, Galveston, TX -- 21
84. 1887 -- Mar 01, steamer *W.H. Gardner* burns, Tombigbee riv., ~3m below Gainesville, AL--20-21
85. 1858 -- Jan 28, *Fanny Fern* boiler explosion/fire, OH Riv. near Garrison Creek, KY¹⁸⁶²-17-20
86. 1945 -- Feb 05, tanker *Spring Hill* hit/explosion/fire, off Stapleton, Staten Island, NY--19-20
87. 1947 -- Sep 09, fuel tanks explode, fire, *Island Queen* steamboat, Pittsburgh, PA -- 19
88. 1890 -- Nov 27, steamer *T. P. Leathers* burns, Mississippi River, Point Breeze, MS --17-19
89. 1891 -- Oct 29, steamer *Oliver Beirne* fire, MS Riv., Millikens Bend, ~Vicksburg MS --15-19
90. 1848 -- Sep 16, freighter *Goliah* fire/explosion, Lake Huron, east of Point aux Barques, MI-- 18
91. 1918 -- Oct 16, steamer *Dumaru* hit by lightning, burns, Pacific, ~20 miles off Guam -- 18
92. 1869 -- Apr 10, steamboat *G.A. Thomson* snags/burns, AR Riv. ~40M below Little Rock AR--17
93. 1871 -- Nov 22, steamer *City of New London* burns, Norwich, CT -- 17
94. 1848 -- Oct 06, steamer *Piney Woods* burns, near Springfield, LA --15-16
95. 1860 -- Apr 26, steamer *Alfred T. Lacy* fire, Isl. 16, Linwood Bend, MS Riv., ~Booth Pt. TN-- 16
96. 1866 -- May 03, clipper *Hornet*, NY to San Francisco, burns sinks, Pacific Ocean -- 16
97. 1920 -- Nov 18, motorboat fire, lumbermen drownings, Chesuncook Lake, ME -- 16
98. 1930 -- Apr 24, Long Island Sound freighter *Thames* burns, near Captains Island, CT -- 16
99. 1909 -- Dec 8, PA steamer *Clarion* fire, lifeboat loss, Lake Erie ~SE Shoal, Pt. Pelee, Can.--15
100. 1919 -- May 23, steamer *Virginia* fire ~Potomac Riv. mouth, Chesapeake Bay, MD -- 6-15
101. 1854 -- Oct 06, steamer *Princess* burns, Mississippi River, Fort Adams, MS -- 14
102. 1868 -- Oct 06, propeller *Perseverance* burns, Lake Ontario off Pultneyville, NY -- 14
103. 1880 -- Aug 29, steamer *Marine City* burns/sinks, Lake Huron, 2m off Alcona, MI -- 9-14
104. 1882 -- Dec 1, steambarge *R.G. Peters* burns/sinks, storm, mid-Lake MI, MI bound/owned--14

¹⁸⁶¹ All of the deaths were attributed to exposure to the freezing elements in the river and onshore by U.S. SIS.

¹⁸⁶² Cross-listed in Maritime Explosions. Boiler exploded, killing and mortally scalding several. Others drowned after jumping into the river in attempt to escape rapidly spreading fire.

105. 1904 -- Feb 27, steamship *Queen* fire and drownings, off coast of OR -- 14

Maritime Disasters – FIRE subset – by Mortality (continued):

106. 1884 -- Apr 03, *Rebecca Everingham* fire, Chattahoochee riv., Fitzgerald Landing, GA-- 13

107. 1844 -- Jun 19, steamer *Palestine* fire/drownings (12), above Cairo IL, OH Riv., KY side-12

108. 1866 -- Jan 09, steamer *Asher Ayres* burns, Altamaha River, Darien, GA -- 6-12

109. 1867 -- Mar 03, propeller steamer *Andalusia* fire and drownings, off Hatteras, NC -- 12

110. 1887 -- Dec 20, freighter *San Vincente* burns off Pigeon Point ~45m south of SF, CA-- 12

111. 1927 -- Apr 08, Gloucester, MA fishing schooner *Commonwealth* burns, N.S. coast -- 12

112. 1852 -- Apr 16, steamer *Pocahontas* fire, MS Riv., Isl. No. 78, Choctaw Bend, AR --10-11

113. 1867 -- Nov 17, Steamboat *Onward* burns, Alabama River, Bells Ledge, AL -- 11

114. 1888 -- Jan 09, Ship *John T. Berry*, Philadelphia, Pa. to Japan, Burns at Sea -- 11

115. 1951 -- Dec 20, Danish cargo/passenger motorship *Erria* fire, Columbia Riv. ~Astoria, OR-- 11

116. 1852 -- Jan 14, Steamer *Martha Washington* burns, MS Riv., Island #65 ~Jackson Pt.--5-10

117. 1866 -- Apr 12, Steamer *Financier* fire, Ohio River, Crow Island, near Baden, PA -- 10

118. 1906 -- Apr 13, Battleship USS *Kearsarge* Turret Powder Fire off Cape Cruz Cuba -- 10

119. 1912 -- Feb 29, Steamer *J.E. Trudeau* Burns, Belle River, LA -- 10

120. 1924 -- July 05, *Three Rivers* fire, Chesapeake Bay, off Cove Point, MD -- 10

121. 1945 -- Jan 02, Sun Oil Tanker *Sunoco* fire and explosion, off Sandy Hook, NJ -- 10

Maritime Losses-- FOUNDERING/Sinking/Capsizing/Swamped Subset--by Mortality:

1. 1915 -- July 24, crowded SS steamer *Eastland* rolls-over at dock, Chicago, IL --812-844
2. 1857 -- Sep 12, hurricane, steamer *Central America* sinks, Blake Plateau off Charleston SC--400-427
3. 1928 -- Nov 13, UK *Vestris*, out of NYC with US passengers, sinks off VA Capes, VA--~111
4. 1904 -- Jan 8/9, storm, steamer *Clallam* floods/sinks, Strait of Juan de Fuca/east, WA -- 56
5. 1870 -- Oct 20, steamer *Varuna* sinks in hurricane, 35M NE of Jupiter Inlet, FL -- 52
6. 1919 -- Nov 07-09, Baltimore MD steamer *Polar Land* founders off Scatarie Island NS-- 51
7. 1856 -- Nov 04, stmr. *J.W. Brooks* sinks, Lake Ont. gale, ~False Duck Island, Ontario --20-50
8. 1916 -- May 09, steamer *Roanoke* founders, off Point Buchon, CA --45-47
9. 1903 -- Oct 22, steam screw freighter *Milwaukee* founders, Lake Michigan -- 46
10. 1952 -- Jan 09, SS *Pennsylvania* (of Tacoma) founders ~455M off Cape Flattery WA -- 46

11. 1951 -- Sep 01, overloaded deep-sea fishing boat *Pelican* capsizes off Montauk Pt., L.I., NY--45
12. 1943 -- June 12, U.S. Navy submarine *R-12* (SS 89) floods, sinks, off Key West, FL -- 42
13. 1954 -- Oct 07, SS *Mormackite* founders in rough seas off the Virginia Capes, VA -- 37
14. 1967 -- Oct 09, freighter *Panoceanic Faith* founders/storm, 870m SW of Kodiak, AK --36-37
15. 1840 -- May 10, schooner *Keola* sinks after ballast shifts, off Kahoolawe, Hawaii --26-36
16. 1854 -- Sep 12, steamer *Malon* sinks, Ohio River, near Paducah, KY -- 36
17. 1870 -- Oct 09, steamer *Mariposa* (NOLA to NY) lost/founders off east coast of FL¹⁸⁶³-- 36
18. 1894 -- June 24, overloaded (NY excursionists) tug *James D. Nicol*, sinks, Sandy Hook, NJ--≥35
19. 1924 -- Mar 11, Ward Line steamer *Santiago* founders off Hatteras, NC --25-35
20. 1898 -- May 22, Seattle schooner *Jane Grey*, leaks, sinks, W of Cape Flattery, WA -- 34
21. 1916 -- Jan 18, gale, Can. halibut trawler *Onward Ho* lost (icing capsized) ~Cape Fairweather, AK--34
22. 1807 -- July, South Ferry scow sinks, Hudson River, Albany, NY -- 33
23. 1859 -- Dec 16, ship *Silas Holmes* founders after grounding, Florida Keys vic., FL --32-33
24. 1887 -- July 10, overloaded sloop yacht *Mystery* capsizes, Canarsie Bay, LI, NY --24-33
25. 1910 -- Feb 06, US Navy tug *Nina* departs Norfolk, sinks in gale, Fenwick Isl. Shoals, DE--31-33
26. 1892 -- Apr 19-May 10, Victoria schooner *Lottie* capsizes, west of Tillamook Bay, OR--31-32
27. 1941 -- June 19, USS *O-9* (SS-70) lost, deep submerge. test off Isle of Shoals, NH -- 33
28. 2015 -- Oct 01, U.S. cargo ship *El Faro* sinks / Hurricane Joaquin, off east Bahamas¹⁸⁶⁴-- 33
29. 1895 -- Apr 14, BC Can. sealing schnr. *Walter A Earle* capsizes, storm, off Cape St. Elias, AK-- 32
30. 1914 -- Jan 04, steamer *Oklahoma* breaks-up/sinks/rough sea, off Sandy Hook, NJ --26-32
31. 1910 -- Sep 9, *Pere Marquette 18* springs leak/sinks, Lake MI, 20M off Sheboygan WI¹⁸⁶⁵ --29-31
32. 1910 -- Oct 01, battleship *New Hampshire* launch capsizes, Hudson River, NY --23-31
33. 1917 -- Sep 03, bark *Alice Knowles* founders 200 miles Northeast of Bermuda -- 31
34. 1948 -- May 31, US Navy Carrier *Kearsarge* launch swamped, Hampton Roads, VA --30-31
35. 1971 -- Mar 27, storm, tanker *Texaco Oklahoma* breaks-up/sinks, off Cape Hatteras, NC-- 31
36. 1983 -- Feb 12, gale, collier *Marine Electric* (34 crew) capsizes/sinks off Chincoteague, VA--31
37. 1903 -- Nov 02, storm, WA steamer *Discovery* founders, off Lituya Bay, SE coast AK --26-30
38. 1937 -- Jan 30, WPA worker barge sinks, Birds Point/New Madrid Spillway, MO¹⁸⁶⁶ --26-30

¹⁸⁶³ Cross-listed in "Lost" subsection.

¹⁸⁶⁴ Cross-listed in Hurricanes and in Maritime-Storms. 28 U.S. nationals and 5 Polish nationals were onboard.

¹⁸⁶⁵ We include two fatalities from the *Pere Marquette 17* while trying to perform rescues.

¹⁸⁶⁶ The barge definitely tipped and then sank. It is not clear if this was from striking something in the water or from unbalancing – approximately 130 WPA workers shifting around.

MARITIME Disasters -- FOUNDERING/Sinking/Capsizing Subset (except storms)– cont.

39. 1924 -- Sep 22, steamer *Clifton* lost, Lake Huron, off Coast of MI -- 28
40. 1909 -- May 18, drownings, overloaded launch sinks, Ohio River, ~Schoenville, PA --20-26
41. 1939 -- May 23, submarine *Squalus* sinks in test dive 16 miles off Portsmouth, NH -- 26
42. 1842 -- May 06, sail boat *Polka* tips/sinks, off Thompson's Island, Mass. Bay, MA -- 25
43. 1851 -- Dec 09, steamboat *Clermont* sinks (unknown cause), White River, AR --20-23
44. 1859 -- Oct 16, propeller *Troy* founders, Lake Huron storm, Point aux Barques, MI -- 23
45. 1862 -- Nov 02-3, steamer *Bay State* founders, Lake Ontario gale ~Fair Haven, NY --20-23
46. 1894 --~Sep 30, American ship *Ivanhoe* from Seattle lost in storm off Columbia Riv.?, WA-- 23
47. 1925 -- May 08, US steamer *M.E. Norman* capsizes/sinks, Miss. River, Coahoma, MS-- 23
48. 1954 -- Dec ~5, storm, bulk carrier M/V *Southern Districts* founders off FL/SC/NC --all 23
49. 1885 -- May 05, New Bedford, MA whaling bark *Napoleon* sunk by ice, Bering Sea -- 22
50. 1909 -- July 18, sloop *Roxana* capsizes, and other drownings, N. Y. Bay --19-22
51. 1913 -- May 02, steamer *Concordia* hits RR bridge, sinks, Tensas Riv., Clayton, LA¹⁸⁶⁷-- 22
52. 1919 -- Nov 11, *John Owen* founders, Lake Superior, Out of Duluth, MN -- 22
53. 1886 -- Dec 14, gale, American ship *Harvey Mills* sinks ~50m SW of Cape Flattery WA--17-21
-
54. 1852 -- Aug 22, overcrowded ferryboat capsizes, Hudson River, Albany, NY --10-20
55. 1899 -- Jan 14/15, sailing ship *Andelana* sinks while moored at Tacoma, WA --17-20
56. 1905 -- Aug 28, steamship *Peconic* founders off Northeast Coast of FL -- 20
57. 1918 -- Sep 17, storm, Cal. steamer *San Gabriel* founders off Cape Lucas, Mexico -- 20
58. 1942 -- Dec 31, *Maiden Creek* founders and sinks, off S. Long Island, NY -- 20
59. 1953 -- Sep 02, drownings, US Army pontoon raft capsizes, Smith Lake, Fort Bragg, NC--20
60. 2005 -- Oct 02, *Ethan Allen* tour boat capsizes, Lake George, near Cramer Point, NY -- 20
-
61. 1883 -- Jan 02, Cowe Tunnel convict boat capsizes, Tuckasegee River, Western NC -- 19
62. 1903 -- Mar 07, ferryboat capsizes, Hudson River, Spier falls ~Glens falls, NY --17-19
63. 1905 -- Nov 28, *Ira H. Owen* founders, Lake Superior storm, Outer Is., Apostles, WI -- 19
64. 1918 -- Dec 19, tanker *George Loomis* leaves SF CA for OR, sinks/storm, so. OR coast --18-19
-
65. 1913 -- Apr 06, grounded barque *Mimi* capsizes during salvage, Nehalem Spit, OR -- 18
66. 1930 -- Nov 8, lumber steamer *Brooklyn* swamped by breakers, Humboldt Bar, Eureka, CA--18
67. 1962 -- Aug 18, overloaded Sunday School boat capsizes, Lake Talquin ~Quincy, FL -- 18
-
68. 1893 -- Aug 24, storm, tugboat *Panther* sinks, SE Coast of Long Island, NY -- 17
69. 1899 -- Apr 21, steamer *General Whitney* founders, off St. Augustine, FL -- 17
70. 1951 -- Jan 14, Gloucester, MA, fishing trawler *Gudrun* lost off Newfoundland -- 17
71. 1951 -- Oct 5, Hurricane How, freighter *Southern Isles* breaks-up/sinks off Cape Hatteras, NC-- 17
72. 1970 -- Apr 21, Japanese fishing boat *Nitto Maru No 67* capsized/sank ~20m off Unimak Isl., AK-17
73. 2018 -- July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO¹⁸⁶⁸ -- 17
-
74. 1863 -- Dec 13, steamer *Quincy* founders, Cape Hatteras, NC -- 16

¹⁸⁶⁷ Cross-listed in Maritime Collisions, in that the *Concordia* only sank because of damage from bridge collision.

¹⁸⁶⁸ Cross-listed in Maritime subset -- Storms.

75. 1919 -- Nov 22, steamer *Myron* & barge *Miztec*, founder off Whitefish Point, MI -- 16
 76. 1973 -- May 19, unseaworthy fishing boat *Comet* founders off Point Judith, RI -- 16

MARITIME Events -- **FOUNDERING/Sinking/Capsizing** Subset – continued:

77. 1880 -- Apr 27, schooner *Olivia Schultze* founders, near mouth of Siuslaw River, OR -- 15
 78. 1914 -- July 4, gas launch *Superba/Superb* capsizes, storm, Lynn Canal ~Skagway, AK-- 15
 79. 1915 -- Apr 03, steamer *Edward Luckenbach* founders, False Capes, VA -- 15
 80. 1930 -- July 29, sandsucker *George J. Whelan* capsizes/sinks, off Dunkirk, NY -- 15
 81. 1942 -- Dec 02, Navy boat capsizes (shore-leave sailors); Narragansett Bay ~Jamestown, RI-- 15
 82. 2001 -- Apr 01-02, fishing boat *Arctic Rose* (homeport Seattle, WA) sinks, Bering Sea-- 15
83. 1841 -- Oct 25, pilot boat, then *William Gaston* yawl, capsize, Indian River Bar, FL -- 14
 84. 1888 -- May 03, gale, fishing sch. *Isabel* springs leak, founders ~Shumagin Isl. AK --12-14
 85. 1902 -- July 17, sudden squall, excursion party boat capsizes, near Appledore Isl. ME -- 14
 86. 1907 -- Apr 13-14, steam barge *Arcadia* sinks, Lake Michigan, off Big Sable, MI --11-14
 87. 1909 -- Dec 26, schooner *Davis Palmer* founders off Boston Harbor, MA -- 14
 88. 1930 -- Jan 28, tug *Edgar F. Coney* sinks/storm, Gulf of Mex. ~70m off Sabine Pass TX-- 14
 89. 1937 -- Jan 26, rescue barge capsizes during Ohio flooding, Paducah, KY -- 14
 90. 1983 -- Feb 14, crab boats *Altair & Americus* capsize, *Altair* sinks, Bering Sea ~AK -- 14
91. 1874 -- Apr 15, tow boat capsizes, Mississippi River, Below New Orleans, LA -- 13
 92. 1886 -- ~Sep 20 Amer. ship *Sierra Nevada*, Seattle for San Fran., founders off Cape Flattery WA--13
 93. 1890 -- Jan 23, bark *Nellie May* (Port Madison WA for SF CA) lost, gale? off Cape Flattery WA--13
 94. 1902 -- Feb 02, *Belle of Oregon, Antelope, Mystic Bell* lost, near Fire Is., NY -- 13
 95. 1919 -- Dec 26, schooner *Eleanor A. Percy* founders of coast of Ireland -- 13
 96. 1943 -- Feb 20, USN Minesweeper *YMS-133* capsizes in trough, Coos Bay bar, OR -- 13
 97. 1972 -- Aug 16, USCG/NWS fail to warn fishing boats of approaching gale, CA/2, OR/11-- 13
 98. 1976 -- Apr 15, oil platform *Ocean Express* capsizes under tow in storm, Gulf, off TX-- 13
 99. 1999 -- May 01, sinking, *Miss Majestic*, off St. John's Island, Lake Hamilton, AR -- 13
100. 1860 -- Nov 10, gale, American ship *John Marshall* lost, Strait of Juan de Fuca ~Cape Flattery WA~10-12
 101. 1902 -- Mar 17, Monomoy Station lifeboat capsizes off Chatham, MA -- 12
 102. 1936 -- June 19, outboard motor boat capsizes, children drown, Lake Gardner, ME -- 12
 103. 1939 -- Salmon fishing vessel *Oduna* (or *Oduno*) sinks off Noyes Island, southeast AK-- 12
 104. 1950 -- Dec 18, tug *Sachem* sinks (all aboard lost), Lake Erie, off Dunkirk, NY -- 12
105. 1822 -- Oct 27, ship *Savannah* grounds and breaks-up ~Fire Island, Long Island, NY-- 11
 106. 1855 -- Oct 27, propeller *Charter Oak* founders, Lake Erie gale, off Girard, PA --10-11
 107. 1886 -- Mar 16, steam freighter *Beda* springs leak, founders off Cape Perpetua, OR -- 11
 108. 1888 -- Oct 24, barkentine *Makah* found bottom-up off Tillamook Head, OR -- 11
 109. 1905 -- July 7, drownings, at Log Jam, Chippewa River, Little falls Dam, WI -- 11
 110. 1908 -- Feb 14, ship *Emily Reed* grounds, Nehalem Beach, OR -- 11
 111. 1908 -- Apr 26, *Miriam* hit by "Cyclone," capsizes, Miss. River, ~Hardins Point, AR-- 11
 112. 1909 -- Aug 18, Gloucester, MA schooner *Orinoco* capsizes, Sambro, Nova Scotia -- 11
 113. 1919 -- July 25, Springfield Boys' Club boat capsizes, Big Pond, East Otis, MA -- 11

114. 1921 -- Oct 30, two Hilton Fishing Co. boats capsize, off Anglesea, NJ -- 11
 115. 1927 -- July 08, boat with Miss. River flood evacuees overturns, Port Barre, LA -- 11
 116. 1944 -- Mar 16, assault boat capsize, trng., drownings, Lakewood, ~Camp Robinson, AR--11
 117. 1959 -- Nov 25, M/V *National Pride* capsizes Gulf of Mexico off Galveston, TX -- 11
 118. 2003 -- June 14, *Taki-Too* fishing charter capsizes crossing bar, Tillamook Bay Inlet, OR-- 11

Maritime Events -- FOUNDERING subset -- by Mortality (continued):

119. 1811 -- Mar 22/23, American ship *Tonquin* crew drown sounding Columbia Bar OR¹⁸⁶⁹ -- 8-10
 120. 1848 -- Apr 18 schooner *Tribune* missing Lake MI, found off Cathead Point, MI -- 10
 121. 1851 -- ~Nov-Dec, fishing schooner *Franklin Dexter* capsizes, Pollock Rip, MA -- 10
 122. 1855 -- Aug 08, bark *L. M. Hubby* capsizes, Lake Michigan off Point Betsie, MI -- 10
 123. 1864 -- Nov 08, bark *Mojave* sinks, Lake Mich. betw. Sheboygan WI, Big Sable Pt. MI--10
 124. 1876 -- Apr 08, Gloucester, MA fishing schooner *Henrietta Greenleaf* capsizes, ~GB-- 10
 125. 1884 -- Jan 23, raft upset/drownings, Upper Cumberland River, near Carthage, TN -- 9-10
 126. 1899 -- Mar 07, steamer *James Bowen* founders off Hog Island, VA -- 10
 127. 1902 -- Dec 05, schooner *Wesley M. Oler* founders off Hatteras Inlet, NC -- 10
 128. 1910 -- Jan 22, schooner *Henry B. Fiske of Boston*, capsizes off Nantucket, MA -- 8-10
 129. 1911 -- Aug 26, schooner *Margaret A. May* founders, Kiawah Island, SC -- 10
 130. 1912 -- Dec 15, schooner *S.O. Co. No. 87* founders, Gulf of Mexico -- 10
 131. 1913 -- June 28, raft ferry sinks, drownings, Kiskiminetas River, near Leechburg, PA-- 10
 132. 1913 -- Dec 26, barges *A.G. Ropes & Undaunted* founder, off Barnegat, NJ -- 10
 133. 1915 -- Apr 5, gale, schooner *John B. Manning* found bottom-up 20m N, Hatteras NC-- 10
 134. 1923 -- Apr 6, steamer *John Dwight* sinks, suspected rum runner, Vineyard Sound, MA¹⁸⁷⁰-8-10
 135. 1942 -- Jan 08, US Army boat *General Richard Arnold* sinks off Isles of Shoals, NH-- 10
 136. 1943 -- Apr 19, cabin cruiser *Legionnaire* sinks, South Bay, off Long Island, NY -- 10
 137. 1987 -- Feb 5, fishing vessel *Fish-n-Fool* (LA, CA) capsizes ~Isla De San Martin, MX-- 10

Other:

- 1908 -- Sep 01, drownings, sloop capsizes in squall, Penobscot Bay off Deer Isle, ME -- 7
 1964 -- May 23-24, high wind/boat capsizes, Fontenelle Reservoir, Lincoln Co., SW WY -- all 6

¹⁸⁶⁹ Their small boats swamped or knocked over by breakers in sounding attempts, trying to find channel into Columbia River.

¹⁸⁷⁰ One theory is that the ship was intentionally scuttled.

Maritime -- GROUNDING/Stranding (Bars, Reefs, Rocks, Shore, Shoal) Subset:

1. 1918 -- Oct 25, *Princess Sophia* (Can.) strands, Vanderbilt Reef ~Juneau, AK¹⁸⁷¹ --343-364
2. 1854 -- Apr 16, storm, packet ship *Powhatan* grounds/breaks up off Long Beach Isl. NJ-250-311
3. 1854 -- Nov 13, storm, US immigrant ship *New Era* grounds on bar, Deal Beach, NJ -240-300
4. 1865 -- July 30, stmr. *Brother Jonathan* hits rock/sinks, storm, off Crescent City, CA--171-225
5. 1785 -- Sep 02, immigrant ship *Faithful Steward* sinks, coast of DE¹⁸⁷² -- >200
6. 1853 -- Feb 16, steamer *Independence* hits rock/sinks, Margarita Island, Lower CA--120-172
7. 1901 -- Feb 22, *City of Rio de Janeiro* grounds/sinks in fog, Fort Point, SF Bay CA--127-131
8. 1906 -- Jan 22, storm, liner SS *Valencia* grounds/sinks, so. side Vancouver Island, BC-- ~136
9. 1705 -- Dec 19-21, privateer *Castle Del Rey* grounds/breaks-up, Sandy Hook, NJ -- 132
10. 1837 -- Jan 02, barque *Mexico* grounds, Hempstead Beach, So. Shore Long Island, NY-- 116

11. 1908 -- Sep 20, SF, CA bark *Star of Bengal* grounds/wrecks, Coronation Island, AK-111-112
12. 1898 -- Feb 05, gale, Seattle schooner *Clara Nevada* grounds/sinks, Eldred Rock, AK-82-104
13. 1884 -- Jan 18, stmr. *City of Columbus* hits Devil's Bridge reef/sinks, Martha's Vyd., MA-- 103
14. 1778 -- Dec 26-27, blizzard, New Eng., esp. MA and RI, brig *Arnold*, sloop *Stark* -- 101
15. 1700 -- Sep 14, hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC¹⁸⁷³ -- ~100
16. 1837 -- Oct 09, sidewheeler *Home* grounds, Racer's hurricane, Ocracoke Island, NC --90-100
17. 1890 -- Apr 26, SF CA ship *Oneida* strands, Oneida Rock, off Sanak Island SW, AK -- 77
18. 1919 -- Jan 10, steamer *Yuna* grounds, Monchoir Bank, Bahamas -- 64
19. 1944 -- Feb 26, storm, US freighter *William H Welch* grounds/breaks, Eilean Furadh Mor Isl., Scotland-62
20. 1846 -- Feb 14/15, winter snow storm, *John Minturn* & other boats ground/wreck, NJ --50-60
21. 1856 -- Oct 29/30, stmr. *Superior* grounds, Lake Superior storm, Pictured Rocks, MI --34-54
22. 1901 -- Aug 15, Can. steamer *Islander* hits iceberg/sinks off Douglas Isl. ~Juneau, AK --42-53

23. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Island, BC¹⁸⁷⁴ --49
24. 1885 -- Nov 07, snowstorm, passenger ship *Algoma* grounds, Greenstone, Mott Isl., MI¹⁸⁷⁵-37-48
25. 1852 -- Jan 31, steamer *General Warren* grounds/wrecks, Columbia River Bar, OR --40-42
26. 1921 -- Aug 06, fog, coastal passenger steamer *Alaska* grounds off Blunts Reef, CA -- 42
27. 1845 -- Apr 07, steamer *Swallow* grounds, Hudson River, near Athens, NY --15-40
28. 1865 -- Dec 27, steamer *Constitution* grounds/breaks-up, Cape Lookout shoals, NC -- 40

29. 1860 -- Jan 05, steamer *Northerner* hits rock off Centerville Beach, S of Humboldt Bay CA-33-38
30. 1919 -- Dec 18, steamer *J.A. Chanslor* hits rocks in fog, sinks off Cape Blanco, OR --37-38
31. 1853 -- May 15, US (Baltimore built) *Monumental City* grounds, Tullaberga Is. Aus. --32-37
32. 1913 -- Jan 07, steamer *Rosecrans* grounds, mouth Columbia Riv., Peacock Spit, OR --30-36
33. 1865 -- Mar 02, Union transport *James Watson* snags/burns, MS Riv., Island No. 76, AR¹⁸⁷⁶-34-35
34. 1873 -- Jan 27~, steamer *George S. Wright* hits rocks?, Queen Charlotte Sound, BC, Can.--34
35. 1932 -- Sep 27, OR steamer *Nevada* strands on rocks, Aleutian Island Amatignak, AK-- 34

¹⁸⁷¹ Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.

¹⁸⁷² Cross-listed in Maritime.

¹⁸⁷³ Cross-listed in Hurricanes.

¹⁸⁷⁴ Part of Canadian Graham Island group just south of southern point of Alaska's Alexander Archipelago.

¹⁸⁷⁵ No surviving record of those onboard and conflicting accounts of numbers of crew and passengers lost and saved. The Thunder Bay Public Library webpage on the *Algoma* names 30 crew and 12 passenger fatalities.

¹⁸⁷⁶ Some accounts have it that the *Watson* grounded.

36. 1936 -- Jan 12, freighter SS *Iowa* grounds/sinks, Columbia River. bar, Peacock Spit, WA--34
 37. 1913 -- Aug 17, SF steamer *State of California* hits rock/sinks, Gambier Bay, Admiralty Is. AK--31-32
 38. 1964 -- Dec 17, Spanish stmr. *San Patrick* grounds on rocks/breaks-up, Ulak Isl., AK --all 32
 39. 1842 -- Nov 30, coastal storm, *Isadore* lost, Cape Neddock ME, also MA and NH --28-30
 40. 1854 -- Oct 02 S.S. *Yankee Blade* capsizes on reef in fog, near Pt. Arguello, CA¹⁸⁷⁷ --15-30

MARITIME Disasters – GROUNDING/Stranding Subset – By MORTALITY (continued):

41. 1829 -- Mar 10, British brig *William and Ann* lost (grounded) on Clatsop Spit, OR --26-29
 42. 1851 -- Jan 07, brig *Martha Sanger*, California to NY, wrecks on reef, Caribbean -- 27
 43. 1886 -- Dec 17, whaling bark *Atlantic* grounds near San Francisco, CA -- 27
 44. 1780 -- American sailing ship *Watt* wrecks on Long Island, NY -- 26
 45. 1858 -- Feb 20, ship *John Milton* grounds in snowstorm, Montauk, SE Long Island, NY-- 26
 46. 1798 -- Nov 17-21, New England blizzard and maritime storm¹⁸⁷⁸ -- >25
 47. 1877 -- Nov 20, U.S. schooner *George Washington* strands, Mistaken Point, NFLD -- 25
 48. 1888 -- Oct 03, storm, whaling bark *Ohio* driven ashore ~Point Hope, Chukchi Sea, AK-- 25
 49. 1894 -- May 11, SF, Cal. whaling bark *James Allen* hits rock/sinks, Amlia Island, AK -- 25
 50. 1910 -- Jan 12, steamer *Czarina*, hit by large wave, grounds on Coos Bay Bar, OR --22-24
 51. 1868 -- June ~15, British bark *Istria* wrecks, Diamond Shoals, off Cape Hatteras, NC -- 23
 52. 1869 -- Jan 11, steamer *Gulf City* grounds and breaks-up, Cape Lookout, NC --22-23
 53. 1888 -- Feb 05, British ship *Abercorn* grounds in fog, west, off Aberdeen, WA --22-23
 54. 1898 -- Nov 17, clipper *Atalanta* grounds on reef near Seal Rocks north of Alsea, OR -- 23
 55. 1914 -- Nov 23, steamer *Hanalei* grounds, Duxbury Reef near San Francisco, CA -- 23
 56. 1923 -- Sep 08, seven US Navy destroyers ground in fog, off Honda Point, CA -- 23
 --20 USS *Young* -- 3 Flagship USS *Delphy*
 57. 1899 -- Dec 24, British freighter *Ariosto* strands, lifeboat drownings, Ocracoke, NC -- 21
 58. 1846 -- Nov 19, sidewheel *Indian Queen* grounds/breaks, Lake Erie storm, ~Dunkirk NY-- 20
 59. 1864 -- Feb 22, steamship *Bohemian* wrecks, Alden's Rock, off Richmond Isl., ME --19-20
 60. 1891 -- Feb 21, ship *Elizabeth*, NYC to SF, grounds, Tenn. Cove, Marin Ct. CA --17-20
 61. 1920 -- Nov 26, gale, schooner-barge *W. J. Pirrie* driven onto rocks ~Cape Rock, WA--18-20

 62. 1892 -- Feb 02, SF, CA whaling bark *Tamerlane* strands on rocks, Puna Island, HI --18-19
 63. 1903 -- Oct 19, steamer *South Portland* grounds, Cape Blanco, OR -- 19

 64. 1786 -- Dec 05, gale, sloop grounds, Lovell's Isl., Brig at Pt. Shirley, Boston Harbor MA--18
 65. 1881 -- Jan 03, bark *Lupata*, stormy night, grounds / breaks on Tillamook reef, OR --16-18
 66. 1888 -- Nov 25, storm, Philadelphia steam collier *Allentown* grounds off Cohasset, MA--all 18
 67. 1903 -- Jan 2, bark *Prince Arthur* grounds/breaks on rocks 12m so. of Ozette River, WA-- 18
 68. 1930 -- Nov 8, lumber steamer *Brooklyn* swamped by breakers, Humboldt Bar, Eureka, CA¹⁸⁷⁹-18

¹⁸⁷⁷ Cross listed in Fog as a Contributing Condition.

¹⁸⁷⁸ Was a larger loss of life, but we do not know the number. David Ludlum writes in *Early American winters 1604-1820* (p. 75) that “hundreds” died in this storm and that the bodies of at least 25 sailors were pulled from wrecked ships on Cape Cod. He also notes that at least seven ships were lost near Cape Cod with all aboard.

¹⁸⁷⁹ Cross-listed in Foundering. In “Grounded” in that the US Steamboat Inspection Service report sated that “heavy breaking seas” “beached” the Brooklyn and it “was pounded to pieces ty the heavy surf.”

MARITIME Disasters – GROUNDING/Stranding Subset -- By MORTALITY (continued):

69. 1860 -- Nov 24, steamer *Jersey City* grounds, Lake Erie storm, Long Pt., Ontario, Can.-- 17
70. 1865 -- Mar 15-16, bark *Industry* grounds, breaks-up, Columbia River bar, OR --15-17
71. 1807 -- July 11, schooner *Charles*, wrecks on reef, fog, west of Portland Light, ME¹⁸⁸⁰-- 16
72. 1906 -- Apr 06, last sighting, bark *Nicholas Thayer*, heavy gale off Seal Rocks AK¹⁸⁸¹--10-16
73. 1915 -- Nov 02, steamer *Santa Clara* grounds, unchartered shoal, Coos Bay Bar, OR --12-16
74. 1846 -- Oct 12, steamer *Colonel Harney* strands, breaks up, mouth of Rio Grande, TX-- 15
75. 1872 -- Nov 27, barges *Jupiter*, *Saturn* ground, Lake Superior storm, Vermilion Pt. MI-- 15
76. 1885 -- Aug 20, British bark *Haddingtonshire* strands 3 miles north of Point Reyes, CA-- 15
77. 1903 -- May 5, fog, Gloucester MA fishing sch. *Gloriana* grounds, White Point, N.S.¹⁸⁸²-- 15
78. 1903 -- Sep 16, Gloucester sch. *George F. Edmunds*, grounds, storm, Pemaquid Pt. ME-- 15
79. 1914 -- July 4, gas launch *Superba/Superb* capsizes, storm, Lynn Canal ~Skagway, AK-- 15
80. 1915 -- Jan 24/25, schr. yacht *Idler* grounds, Diamond Shoals, near Cape Hatteras NC--12-15
81. 1839 -- Aug 13, storm, Austrian brig *Terasto* (Perasto?) grounds, Long Beach Island NJ--13-14
82. 1879 -- Apr 20, rowboat crew, stranded steamer *Great Republic*, Columbia Riv. bar, OR -- 14
83. 1907 -- Apr ?, schooner *Argo* strands/breaks-up on Lake MI beach near Manistee, MI -- 14
84. 1943 -- Jan 12, USN destroyer *Worden* hits rock/sinks, Constantine Hbr. ent., Amchitka Isl., AK- 14
85. 1876 -- Sep 17, steamer *Rebecca Clyde*, strands/wrecks, 20m so. of Hatteras, NC --12-13
86. 1881 -- Mar 04, bark *Ajace*, NYC bound, grounds, storm, Rockaway Reef, off Queens, NY- 13
87. 1838 -- barque *Edward Quesnel* grounds on Nepeague Beach, Long Island, NY --10-12
88. 1853 -- Jan 9, bark *Vandalia* found bottom-up off McKenzies Head ~North Head WA¹⁸⁸³--9-12
89. 1895 -- Feb 09, Gloucester schooner *Clara F. Friend* strands, Eastern Head, N.S. -- 12
90. 1906 -- Jan 13, schooner *Robert H. Stevenson* grounds, Diamond Shoals, NC -- 12
1906 -- June 11, steamer *Corinthian* grounds, Humboldt Bar, CA¹⁸⁸⁴ -- 12
91. 1910 -- May 11, steamer *City of Salttillo* grounds on rock, sinks, Glen Park, MO -- 12
92. 1911 -- July 07, steamer *Santa Rosa* grounds north of Point Arguello, CA -- 12
93. 1933 -- Jan 24, storm, diesel *Umnak Native* strands, Umnak Isl., Inanudak Bay, AK --11-12
94. 1855 -- Nov 03, *Delaware* grounds, Lake Mich. storm, ~8 miles from Sheboygan WI --10-11
95. 1869 -- Nov 05~ sch. *W.W. Arnold* grounds, Lake Sup. storm, Two Hearted River, MI-- 11
96. 1886 -- Jan 2, steam *W.D. Chipley* grounds/sinks, Chattahoochee Riv., 7m no. Fort Gaines GA--8-11
97. 1895 -- Apr 24, SF, CA seal/fishing schooner *C G White* grounds/storm, Trinity Isl. reefs, AK-11
98. 1921 -- Jan 31, schooner *Carroll A. Deering*, grounds, Diamond Shoals, Cape Hat., NC-- 11
99. 1946 -- Feb 04, AK steamship *Yukon* hits rocks off Johnstone Bay, SE of Seward, AK-- 11

¹⁸⁸⁰ Cross-listed in Fog as a Contributing Condition

¹⁸⁸¹ Cross-listed in Lost at Sea, though indications are that the Nicholas Thayer was thrown on Seal Rock in gale.

¹⁸⁸² Cross-listed in Fog as a Contributing Factor.

¹⁸⁸³ Was supposed she was trying to enter Columbia River hit the bottom, took on water, started to break-up and washed just north of the mouth near North Head promontory.

¹⁸⁸⁴ Listed only due to inaccurate reporting of 12 lives lost when there were actually two lives lost.

MARITIME – GROUNDING/Stranding – By Mortality (continued):

- 100. 1883 -- Jan 29, steamer *Tacoma* grounds/breaks-up, Pacific, 4m no. of Umpqua Riv., OR-10
- 101. 1885 -- Dec 4-6, schooner *Orphan Boy* grounds, Lake MI storm, Big Sable Pt., MI¹⁸⁸⁵-- 7-10
- 102. 1886 -- Feb 26, snowstorm, steamer *Idlewild* strands, lifeboat lost, off Stamford, CT-- 7-10
- 103. 1908 -- Jan 8, SF schooner *John F. Miller* grounds, gale, East Anchor Cove, Unimak Isl., AK-10
- 104. 1912 -- Mar 15, Gloucester MA schooner *Patrician* founders, Jordan Bay, Nova Scotia--10
- 105. 1923 -- Dec 13, steam schooner *C.A. Smith* grounds, North Jetty, Coos Bay Harbor, OR~10
- 106. 1942 -- Mar 07, merchant marine *Independence Hall* hits reef/sinks off Sable Isl., NS-- 10
- 107. 1946 -- Sep 4, US freighter *David Caldwell* grounds, storm, Gironde Estuary, SW France-10

Sampling of fewer-than-ten-lives-lost events:

- 1893 -- Aug 03, steamer *Rachel* sinks, Lake George, near Fourteen Mile Island Hotel, NY-- 9
- 1969 -- May 25, CA racing schooner yacht *Goodwill* wrecks on reef off Baja CA, MX -- 9

¹⁸⁸⁵ Cross-listed in the Maritime subset “Storms” as well, in that the grounding was result of a storm.

MARITIME Disasters -- LOST (not found) Subset -- By MORTALITY

1. 1800 -- Sep 20 (after), USS *Insurgent* disappears after leaving Hampton Roads, VA -- 340
2. 1918 -- Mar 09, last sighting, collier USS *Cyclops*, north of Virginia Capes, VA --290-324
3. 1829-30 -- brig *Kamehameha* lost, left Honolulu HI, Dec 2, for Erromango Island --250~300
4. 1860 -- Sep 18, U.S. Navy Sloop-of-War *Levant* sails SE from Hilo, HI, Lost --150-210
5. 1856 -- Jan 23, Amer. steamer *Pacific* leaves Liverpool, sinks, Irish Sea ~Wales¹⁸⁸⁶ -- 186
6. 1870 -- Jan, steamer *City of Boston* sails from NYC for Liverpool, Lost -- 177
7. 1879 -- Feb 20-21, storm, ~13 Gloucester, MA schooners lost, George's Bank, NFL-143-157
8. 1829 -- Sep 29, brig USS *Hornet* disappears, gale off Tampico, Caribbean -- 145
9. 1841 -- Mar 11, steamer *President* sails from New York, not heard from again -- 136
10. 1815 -- Aug 08, last sighting of Sloop-of-War USS *Epervier*, lost, Atlantic Ocean -- 134

11. 1781 -- Mar 18, gale, continental sloop *Saratoga* lost off the Bahamas¹⁸⁸⁷ -- ~ 86
12. 1864 -- Feb-Mar (esp. Mar 22), eight Gloucester MA fishing schooners lost at sea --74-75
13. 1857 -- Mar 13, schooner *Kamamalu* sails from Honolulu for Hilo, Lost -- ~70-72
14. 1815 -- Jan 23, Portland ME privateer *Dash* lost, presumably on George's Bank -- 63
15. 1777 -- Privateer *The Gloucester* lost, out of Gloucester, MA -- ~60
16. 1921 -- Mar 21, ocean-going tug USS *Conestoga* leaves Mare Island, CA, lost -- 56
17. 1820 -- Jan 11, last sighting of schooner USS *Lynx*, St. Mary's, GA to Jamaica -- 50

18. 1885 -- Oct 12, last sighting, San Fran. whaler *Amethyst*, St. Lawrence Isl. Bering Sea, AK-- 43
 --38 *Amethyst* crew
 -- 5 *Rainbow* crew survivors onboard the *Amethyst*
19. 1896 -- Mar 08, Seattle schooner *Lincoln* departs for Kodiak, AK, lost, storm, Pacific --25-43
20. 1921 -- Jan 20, steamer *Hewitt* sails from Sabine TX for Boston MA, Lost -- 42
21. 1885 -- Oct 12, last sighting of whaling bark *Amethyst* of SF, CA on Arctic trip -- 40

22. 1913 -- Jan 1-25, steamer *El Dorado* lost, from Sparrow Point MD to Galveston, TX -- 39
23. 1963 -- Feb 04, SS *Marine Sulphur Queen* disappears between Cuba and south FL -- 39
24. 1906 -- Feb 24, SF CA steamer *Centennial* departs Hakodate, Japan for San Fran., lost-- 38
25. 1910 -- Oct 11-14, steamship *Arkadia* Lost, from New Orleans, LA to San Juan, P.R. -- 37
26. 1920 -- Feb 29, steamer *Cubadist* lost from Cuba to Baltimore, MD -- 37
27. 1870 -- Oct 09, steamer *Mariposa* (NOLA to NY) lost/founders off east coast of FL -- 36
28. 1904 -- Dec 07, SF CA fishing schr. *Pearl* departs; wreck found Mar 7 ~Sanak Isl., AK¹⁸⁸⁸36
29. 1915 -- Dec 23, NY steamer *Orleanian* leaves NYC for Malta, not heard from again -- 36
30. 1921 -- Oct 24, last communication, oil tanker *Santa Rita*, New Orleans to Italy, lost -- 35
31. 1916 -- Jan 18, gale, Can. halibut trawler *Onward Ho* lost (icing capsized) ~Cape Fairweather, AK--34
32. 1980 -- Oct 24, SS *Poet* leaves Philadelphia for Egypt, lost, probably Oct 25-26 -- 34
33. 1901 -- Dec 02, steamer *Matteawan* leaves Nanaimo, BC for San Fran., CA, lost in gale-- 33
34. 1910 -- Feb 06, US Navy tug *Nina* departs Norfolk, lost in gale, Fenwick Isl. Shoals, DE--31-33

¹⁸⁸⁶ While not on or near U.S. soil, the *Pacific* was a U.S. vessel, built in U.S., and manned with a primarily U.S. crew. Was considered a U.S. disaster at the time.

¹⁸⁸⁷ An estimate based upon U.S. Navy note on the size of the ship's "complement." U.S. Navy. *Dictionary of American Naval Fighting Ships*, "Saratoga."

¹⁸⁸⁸ In "Lost" section in that the cause of the loss is not known – only that the "wreck" was found near Sanak Island.

- 35. 1916 -- freight steamer *Frederick* lost at Sea, North Atlantic -- 33
- 36. 1894 -- Dec 7-8, steamer *Keweenaw* lost in gale, Pacific, Cape Flattery WA vicinity --29-31
- 37. 1934 -- Nov 09, schooner *John R. Manta* lost after sailing from Providence, RI -- 31
- 38. 1905 -- Nov 13~, storm?, WA fish schnr. *Nellie Coleman* lost off Cape Yakataga, AK-- ≥30

MARITIME Events -- **LOST** (at sea) Subset -- **By MORTALITY** (continued):

- 39. 1894 -- Dec 7-8, steamer *Montserrat* lost in gale, Pacific, Cape Flattery, WA vicinity -- 29
- 40. 1896 -- Apr 25, SF seal schooner *Edward E Webster* departs Kodiak, lost, snow squall, AK-- 29
- 41. 1914 -- May ~15, steamer *F.J. Luckenbach*, FL to Baltimore, lost, off coast of SC? -- 29
- 42. 1907 -- Apr 02/03, ship *Arthur Sewall* lost at sea after sailing from Philadelphia, PA -- 28
- 43. 1887 -- Apr, *St. Stephen/Stephens*, Seattle to San Francisco, lost at sea near WA -- 27
- 44. 1886 -- Nov 14~, Kodiak schnr. *Flying Scud* lost, Cape Douglas to Kodiak, Gulf of AK --24-26
- 45. 1893 -- Mar 21, SF CS seal schooner *Helen Blum* last seen, Shumagin Isles. vic., AK -- 26
- 46. 1916 -- Dec (late), steamer *Maryland* lost, Atlantic, 300 miles off NY -- 26
- 47. 1919 -- Nov 19-Dec, Providence, RI schooner *T.W. Allan* founders, Bay of Fundy -- 26
- 48. 1843 -- Mar ~15, USS *Grampus* lost, presumably gale off Charleston, SC -- 25
- 49. 1887 -- Oct 18, ship *Alfred Watts*, Philadelphia to Japan, lost at sea -- 25
- 50. 1916 -- July 17, steamer *C.W. Morse* leaves NY, NY, not heard from again -- 25
- 51. 1865 -- Oct 24~, steamer *D. H. Mount* lost, gale, Atlantic, south of Cape Hatteras, NC-- 24
- 52. 1886 -- Nov, Kodiak schooner *Flying Scud* lost near Karluk, AK --16-24
- 53. 1888 -- Jan, fishing schooners *William Parsons / Peter D. Smith* lost, Gloucester MA -- 24
- 54. 1889 -- Mar 02, SF CA sealing schooner *Otter* leaves San Francisco for AK, lost -- 23
- 55. 1954 -- Dec ~5, storm, bulk carrier M/V *Southern Districts* founders off FL/SC/NC --all 23
- 56. 1872 -- Mar, Gloucester, MA schooners *Matchless, Franklin Snow* lost, Georges Bank-- 22
- 57. 1871 -- Feb, Gloucester, MA, fishing schooners *Hiawatha & E.L. Cook* lost at sea -- 21
- 58. 1889 -- Mar 02, SF whaling schooner *James A Hamilton* departs San Francisco for AK, lost-- 21
- 59. 1907 -- Nov 24, last contact with ship *Bangalore*, Norfolk VA to Honolulu -- 21
- 60. 1929 ---Jan 13, fishing trawler *Seiner* lost, Georges Bank, out of New London, CT -- 21
- 61. 1716 -- five Gloucester MA fishing vessels "lost," voyage to Cape Sable -- ~ 20
- 62. 1908 -- Aug 27, last report from ship *Fort George*, NY, NY to Honolulu, HI -- 20

- 63. 1897 -- Nov 25, Provincetown, MA sch. *Susan R. Stone* sails for Western Bank, lost -- 19
- 64. 1903 -- Aug, hurricane, steamer *George W. Kelley* lost, Caribbean, for New Orleans -- 19
- 65. 1917 -- Mar 06, ship *Timandra* lost after leaving Norfolk, VA -- 19
- 66. 1917 -- Sep 5, whaling Brig *Viola* sails, not seen again, out of New Bedford, MA -- 19
- 67. 1930 -- Sep 16/17, SF CA schooner *South Coast* lost, OR coast, ~Cape Blanco --18-19
- 68. 1847 -- Jun 11, lost, schooner *Merchant*, Sault Ste. Marie, Lake Superior, MI -- 18
- 69. 1907 -- Apr 10, bark *Adolph Obrig* lost after sailing from NYC, NY -- 18

- 70. 1771 -- Early, *Beaver 2nd* lost on Lake Erie near Sandusky, OH -- 17
- 71. 1852 -- Mar, Gloucester MA schrs. *Golden Fleece & C.E. Parkhurst* lost, Georges Bank-- 17
- 72. 1867 -- Aug, Two Gloucester, MA Fishing Schooners Lost on Georges Bank -- 17
- 73. 1871 -- Sep 2, Gloucester, MA Fishing Schooners *Montrose* and *Emporia* lost at sea -- 17
- 74. 1885 -- Dec 25, Steamship *City of Nassau* lost after leaving Philly, PA -- 17
- 75. 1893 -- Dec 15, Schooner *Mascot* leaves SF, CA homeport, sealing trip, lost at sea -- 17

76. 1902 -- Jan 25, Gloucester, MA fishing schooner *Alva* sails for Georges Bank, lost -- 17
 77. 1918 -- Apr 05, ship *Avon* departs NY, NY, not heard from again, presumed lost -- 17
 78. 1947 -- Jan 09, Boston fishing trawler *Belle* goes missing off coast of MA -- 17
 79. 1951 -- Jan 15, Boston, MA fishing trawler *Gudrun* lost off Newfoundland -- 17

MARITIME Events -- **LOST** (not found) subset -- **By MORTALITY** (continued):

80. 1855 -- Mar, Gloucester MA schooners *Reporter & Abner L. Colby* lost, Georges Bank-- 16
 81. 1858 -- Oct, fishing schooner *Village Belle* lost, out of Gloucester, MA -- 16
 82. 1874 -- Sep 28, steamer *Amanda Winants* lost at sea off Georgetown, SC -- 16
 83. 1885 -- Dec 25-Jan 1886, Gloucester, MA fishing schooner *Mabel Dilloway* lost -- 16
 84. 1887 -- Apr-Aug, MA fishing schooner *Lydia Y. (or T.) Crowell*, lost, N.S. fishing --15-16
 85. 1890 -- Mar-Apr, Gloucester, MA fishing schooner *William W. Rice* lost, Iceland trip -- 16
 86. 1894 -- Mar 12-Jun~, Gloucester fishing schooner *Ambrose H. Knight* lost, Iceland trip-- 16
 87. 1906 -- Apr 06, last sighting, bark *Nicholas Thayer*, heavy gale off Seal Rocks AK¹⁸⁸⁹--10-16
 88. 1918 -- July 03, whaler schooner Pedro Varela departs New Bedford, MA, lost at sea -- 16
89. 1839 -- May 08, last seen, schooner USS *Sea Gull*, Tierra del Fuego to Valparaiso -- 15
 90. 1850 -- Apr, Gloucester MA fishing schooners *Walter Scott* and *Specie* Lost -- 15
 91. 1878 -- Jan 18 last sighting, American ship *Grace Darling*, gale off Cape Flattery, WA-- 15
 92. 1879 -- Aug~, whaling schooner *Arizona*, reportedly lost off Cape Hatteras, NC -- 15
 93. 1891 -- Oct, MA fishing schooner, *Hattie N. Reed*, lost at sea -- 15
 94. 1894 -- Oct 25, last comm. from WA seal schooner *George R. White*, Unalaska, AK -- 15
 95. 1902 -- Dec 21, last sighting of American ship *Florence*, Tacoma, WA for Honolulu -- ~15
 96. 1913 -- June 9, whaler steamer *A. T. Gifford* leaves New Bedford, MA, lost -- 15
 97. 1923 -- Feb 20, *Alta* sails from San Pedro, CA for Bellingham, WA, lost -- 15
98. 1858 -- Dec, Gloucester MA schooner *John Franklin* lost after leaving Prince Ed. Il. -- 14
 99. 1876 -- Apr-May, Gloucester, MA fishing schooner *James L. Shute* lost on Grand Bank-- 14
 100. 1878 -- Jan-Feb, Gloucester, MA fishing schooner *Carrie P. Morton* lost, Grand Banks--14
 101. 1878 -- Oct 20, last sighting of fishing schooner *Cunard* out of Gloucester, MA¹⁸⁹⁰ -- 14
 102. 1879 -- Apr, Gloucester, MA fishing schooner *William Thompson*, lost, Grand Banks-- 14
 103. 1879 -- Oct, Gloucester, MA fishing schooner *Andrew Leighton* lost, LaHave Bank -- 14
 104. 1879 -- ~Oct 29, Gloucester, MA fish schnr. *N. H. Phillips*, lost, Banquereau Bank NS-13-14
 105. 1879 -- Dec, schooner *Mary D. Pomeroy*, Crescent City, CA to SF, CA, lost at sea -- 14
 106. 1880 -- Mar 23, Gloucester, MA schooner *Annie C. Norwood* lost, Caches' Shoal, MA-- 14
 107. 1880 -- Nov, Gloucester, MA fishing schooner *Nathaniel Webster*, lost, the Banks -- 14
 108. 1881 -- Aug-Sep, Gloucester MA fishing schnr. *Guy Cunningham* lost Grand Banks--13-14
 109. 1885 -- Dec-Jan 1886, Gloucester MA fishing schooner *Virginia Dare* lost, Grand Bk.-- 14
 110. 1886 -- Jun-Jul, Gloucester, MA fishing schooner *Seth Stockbridge* lost, Greenland -- 14
 111. 1886 -- Aug-Sep, Gloucester, MA fishing schooner *George L. Smith* lost Grand Bk. -- 14
 112. 1887 -- Aug 20, Provincetown, MA whaling schnr. *Ellen Rizpah* lost off Hatteras NC-13-14
 113. 1888 -- May 03 schooner *Isabel*, San Francisco to Shumagin Island, AK, lost -- 14
 114. 1891 -- Sep, Portland ME fishing schooner *City Point* lost, La Havre Banks trip --12-14

¹⁸⁸⁹ Cross-listed in Lost at Sea, though indications are that the Nicholas Thayer was thrown on Seal Rock in gale.

¹⁸⁹⁰ On Fishing trip to the Grand Banks.

115. 1893 -- Jan 29, American bark *Cowlitz* left Port Gamble, WA for SF, never seen again-- 14
 116. 1901 -- Jan 22, Gloucester, MA schooner *Commonwealth* sails for Georges Bank, lost-- 14
 117. 1901 -- Sep 16, Gloucester, MA schooner *Lolanthe* departs for cod-fishing trip, lost -- 14
 118. 1902 -- Dec 17, last sighting, Gloucester fishing schmr. *Annie Wesley*, off Sable Island-- 14
 119. 1919 -- Jan 15, schooner *Ellen A. Swift* leaves New Bedford, MA, whaling, lost -- 14

MARITIME Disasters -- **LOST** (not found) Subset -- **By MORTALITY** (continued):

120. 1831 -- July-Aug, schooner USS *Sylph* Lost after leaving Pensacola, FL -- 13
 121. 1851 -- fishing schooner *Burlington* lost -- 13
 122. 1874 -- Nov, Gloucester, MA fishing schooner *G. G. Kidder* lost, Grand Banks --12-13
 123. 1880 -- Jan, barkentine *Ray R. Sharp*, Philadelphia, PA for Lisbon, Portugal, lost -- 13
 124. 1880 -- Aug 28, bark *Miriam*, Pensacola to Rio de Janeiro, lost at sea -- 13
 125. 1880 -- Aug 29, bark *Alfred*, Pascagoula MS for Trinidad Island, Spain lost at sea -- 13
 126. 1886 -- ~Sep 20 Amer. ship *Sierra Nevada*, Seattle for San Fran., founders off Cape Flattery WA-- 13
 127. 1890 -- Jan 23, bark *Nellie May* (Port Madison WA for SF CA) lost, gale? off Cape Flattery WA--13
 128. 1894 -- Apr, Gloucester, MA fishing schooner *Martha and Susan* lost, Georges trip -- 13
 129. 1900 -- Sep 14, Gloucester, MA fishing schooner *Sigfrid* sails for Quero Bank, lost -- 13
 130. 1916 -- Apr 7, schooner *Bertha L. Barker* lost, out of New York, NY -- 13
 131. 1920 -- Jan 29, steamer *Samuel Faunce* lost, Wilmington, NC to Key West FL¹⁸⁹¹ -- 13
 132. 1920 -- Feb 01, steamer *Fortune* lost off Jekyll Island, GA -- 13
133. 1854 -- Feb, Gloucester, MA fishing schooner *Flight* lost, Georges Bank -- 12
 134. 1870 -- Sep, Gloucester MA fishing schmr. *Dauntless* lost on way to St. Lawrence Bay-- 12
 135. 1871 -- Jan 9, Gloucester, MA fishing schooner *Edith Wonson* lost on Western Bank-- 12
 136. 1871 -- summer, East Gloucester, MA fishing schooner *River Queen* lost at sea -- 12
 137. 1872 -- Jan, Gloucester, MA fishing schooner *Messenger* lost on Western Bank -- 12
 138. 1874 -- Mar, Gloucester, MA fishing schooner *White Fawn* lost Western Banks -- 12
 139. 1875 -- Jan, Gloucester, MA fishing schooner *David Burnham* lost on Grand Banks -- 12
 140. 1875 -- Jan, Gloucester, MA fishing schooner *Joseph Chandler* lost on Grand Banks-- 12
 141. 1875 -- Feb, Gloucester, MA fishing schooner *J. C. Call* lost, Grand Banks -- 12
 142. 1875 -- Feb, Gloucester, MA fishing schooner *Sarah H. Cressey* lost, Grand Banks -- 12
 143. 1875 -- Mar, Gloucester, MA fishing schooner *H.B. Stanwood* lost, Georges Bank -- 12
 144. 1875 -- Nov, Gloucester, MA fishing schooner *Pharsalia* lost, Georges Banks -- 12
 145. 1876 -- Sep, Gloucester, MA fishing schooner *Walter M. Falt* lost on Grand Banks -- 12
 146. 1876 -- Dec, Gloucester, MA fishing schooner *William T. Merchant* lost, Grand Bk.-- 12
 147. 1879 -- Apr, Gloucester, MA fishing schooner *Ida (or Ada) E. Baker*, Western Bank-- 12
 148. 1881 -- Apr 15, Gloucester, MA fishing schooner *Carrie S. Dagle* lost, Western Bk.-- 12
 149. 1887 -- Mar 20, steamer *Seal* lost, Lynn Canal north of Berners Bay, southeast AK -- 12
 150. 1887 -- Apr, Gloucester, MA fishing schooner *Jamestown* lost, Western Bank -- 12
 151. 1887 -- Nov-Dec, Gloucester, MA fishing schooner *William Parsons, 2nd*, lost, GB -- 12
 152. 1888 -- Nov-Dec, Gloucester, MA fishing schooner *Carleton* lost, Georges trip -- 12
 153. 1888 -- Nov-Dec, Gloucester, MA fishing schooner *Joseph O.* lost, Georges trip -- 12
 154. 1891 -- Jan-Feb?, Gloucester, MA fishing schooner, *Veteran* lost, Georges trip -- 12
 155. 1891 -- Sep-Oct, Gloucester, MA fishing schooner *Percy* Lost, Georges Bank trip -- 12

¹⁸⁹¹ I assume the *Fortune* and *Samuel Faunce* events refer to the same event and that one of the sources is wrong.

156. 1893 -- Aug, Gloucester, MA fishing schooner *Pioneer* lost, Georges Bank trip -- 12
 157. 1899 -- Feb 14~, Gloucester MA schooner *A.M. Burnham* lost on Brown's Bank -- 12
 158. 1934 -- Jun 12, tuna clipper *Belle Isle* sails from San Diego, CA, lost at sea -- 12

MARITIME Events -- **LOST** (at sea) Subset -- **By MORTALITY** (continued):

159. 1851 -- fishing schooner *Hamilton* lost -- 11
 160. 1870 -- Jan, Gloucester, MA fishing schooner *Viking* lost on way to Grand Banks -- 11
 161. 1873 -- Mar, Gloucester fishing schooner *J. H. Orne* lost on Georges Bank -- 11
 162. 1876 -- ~Apr 4, Gloucester, MA fishing schooner *Kearsarge* lost, Georges Bank -- 11
 163. 1876 -- Apr-May, Gloucester, MA fishing schooner *Janet Middleton* lost on GB -- 11
 164. 1876 -- Dec, Gloucester, MA fishing schooner *Howard Steele* lost, La Have Bank -- 11
 165. 1876 -- Dec, Gloucester, MA fishing schnr. *Modena B. Jerauld* lost, La Have Bank -- 11
 166. 1877 -- Jan, Gloucester, MA fishing schooner *Mary Burnham* lost, La Have Bank -- 11
 167. 1889 -- Feb 09, last sighting, schooner *Annie* leaves San Francisco for Unalaska, AK-- 11
 168. 1895 -- Nov 23-Dec, Gloucester fishing schooner *Falcon* lost, Georges Bank trip -- 11
 169. 1896 -- Oct 14, NY fishing smack *W.W. Story* last seen off Absecon, NJ -- 11
 170. 1909 -- Dec 24, steamer *Columbia* lost out of NYC, NY to Port au Prince Haiti -- 11
 171. 1914 -- Oct 31, schooner *Lizzie Lee* leaves New Bedford MA for Cape Verde, Is., Lost-- 11
 172. 1915 -- ~Aug 22, Boston schooner *Maude Palmer* sinks, Gulf of Mexico -- 11
 173. 1916 -- July 14, ship *Ramos* founders, from Philadelphia, PA to Cartagena, Columbia-- 11
 174. 1918 -- Feb 28, American schooner *Americana* clears Columbia Riv. bar, lost at sea, Pacific-- 11
 175. 1942 -- Sep 13, last sighting, Seattle halibut schooner *Helgeland* off Kodiak Isl., AK-10-11
 176. 1955 -- Jan 13~, New Bedford, MA scalloper *Doris Gertrude* lost off New Eng. coast-- 11
 177. 1962 -- Nov 15~, New Bedford, MA scalloper *Midnight Sun* lost, Georges Bank -- 11
178. 1843 -- Aug, Gloucester MA fishing schooner *The Byron* lost, "South Channel" -- 10
 179. 1851 -- Apr 10, fishing schooner *Harvest Home* of Newcastle, NH lost -- 10
 180. 1851 -- Oct, Gloucester, MA schooner *Princeton* lost, St. Lawrence Bay -- 10
 181. 1853 -- Feb 16/26, brig *Vintage* sails, Salem, MA for West Coast of Africa, Lost -- 10
 182. 1854 -- Mar 08, schooner *Robert Walsh* lost off Cape Hatteras, NC -- 10
 183. 1856 -- ~Aug 16, ship *Manila* "lost" off Timbalier Island, LA -- 10
 184. 1868 -- June, Gloucester MA fishing schooner *General Butler* lost, Georges Bank -- 10
 185. 1870 -- Jan 25, Gloucester, MA fishing schooner *Weather Gage* lost, Grand Banks -- 10
 186. 1870 -- Mar, Gloucester MA fishing schooner *William F. Pool* lost, Georges Bank -- 10
 187. 1870 -- Oct, Gloucester, MA fishing schooner *Alatamaha* lost, Georges Bank -- 10
 188. 1875 -- Mar, Gloucester, MA fishing schooner *William C. Endicott* lost, Georges Bk.-- 10
 189. 1876 -- Oct, Gloucester, MA fishing schooner *Joseph F. Allen* lost on Western Bank-- 10
 190. 1876 -- Dec, Gloucester, MA fishing schooner *D. E. Woodbury* lost, trip to GB -- 10
 191. 1876 -- Dec, Gloucester, MA fishing schooner *John S. Tyler* lost, La Havre Bank -- 10
 192. 1876 -- Dec, Gloucester, MA fishing schooner *J.F. Huntress* Lost, La Havre Bank -- 10
 193. 1876 -- Dec, Gloucester, MA fishing schooner *Wyoming* lost, La Have Bank -- 9-10
 194. 1879 -- Oct-Dec, Gloucester MA fishing schnr. *Harvey C. Mackay* lost, Grand Banks-- 10
 195. 1880 -- Aug, bark *Emma C. Litchfield*, St. Mary's, GA to Buenos Aries lost at sea -- 10
 196. 1883 -- Sep, Gloucester MA schooner *Charles Hildreth* lost, trip to Georges Bank -- 10
 197. 1885 -- Aug, schooner *Washington*, Apalachicola, FL to NYC, lost at sea -- 10

198. 1886 -- Aug-Sep, Gloucester, MA Fishing Sch. *John F. Wonson* lost, Brown's Bk. -- 10
 199. 1887 -- Jul-Oct, bark *Isabel*, Rockland, ME to Pensacola, FL, lost at sea -- 10
 200. 1890 -- Nov 24, NY steam-yacht *F.L. Norton*, leaves New London for France, lost -- 10
 201. 1908 -- Jan/Feb, Gloucester fishing schooner *Northern Eagle*, lost, Gulf of Mex. -- 9-10
 202. 1908 -- Jul 24, bark *Auburndale* lost from Turks Island (Carib.) to Philadelphia, PA -- 10
 203. 1909 -- Jan 25, schooner *William C. Tanner* lost, Rockport, MA to Key West, FL -- 10
 204. 1911 -- Jan 21~, Gloucester Sch. *Ella M. Goodwin* departs Bay of Islands, NFL, lost-- 10
 205. 1920 -- Feb 19, schooner *Henry W. Cramp* lost, Norfolk VA to Dominican Rep. -- 10

Maritime Disasters – Offshore PLATFORMS/LIFTBOATS Subset – By Mortality

1. 1961 -- Jan 15, Nor'easter, USAF Radar Tower No. 4 fails ~70m east of Barnegat, NJ-- 28
2. 1964 -- Jun 30, drilling barge *C.P. Baker* explosion and fire, Gulf of Mexico -- 22
3. 1982 -- Feb 15, *Ocean Ranger* oil rig sinks in storm, Grand Banks, Canada¹⁸⁹² --84 (15 US)
4. 1976 -- Apr 15, oil platform *Ocean Express* capsizes under tow in storm, Gulf, off TX-- 13
5. 1989 -- July 31, *Avco 5* oil platform lift boat capsizes fleeing Hurricane Chantal, Gulf -- 13
6. 2021 -- Apr 13, liftboat (platform) *Seacor Power* capsizes off Port Fourchon, LA -- 13
7. 2010 -- Apr 20, drilling rig *Deepwater Horizon* explosion, Gulf of Mex., ~50m, LA¹⁸⁹³-- 11

Maritime Disasters – Offshore PLATFORMS/LIFTBOATS Subset – Chronological

1. 1961 -- Jan 15, Nor'easter, USAF Radar Tower No. 4 fails ~70m east of Barnegat, NJ-- 28
2. 1964 -- Jun 30, drilling barge *C.P. Baker*, explosion and fire, Gulf of Mexico -- 22
3. 1976 -- Apr 15, oil platform *Ocean Express* capsizes under tow in storm, Gulf, off TX-- 13
4. 1982 -- Feb 15, storm, *Ocean Ranger* oil rig sinks, Grand Banks, Canada¹⁸⁹⁴ --84 (15 US)
5. 1989 -- July 31, *Avco 5* oil platform lift boat capsizes fleeing Hurricane Chantal, Gulf -- 13
6. 2010 -- Apr 20, drill rig *Deepwater Horizon* explosion, Gulf of Mexico ~50m, LA¹⁸⁹⁵ -- 11
7. 2021 -- Apr 13, liftboat (platform) *Seacor Power* capsizes off Port Fourchon, LA -- 13

¹⁸⁹² Sixty-eight Canadians, one Englishman, and fifteen Americans

¹⁸⁹³ Cross-listed in Explosions.

¹⁸⁹⁴ Sixty-eight Canadians, one Englishman, and fifteen Americans

¹⁸⁹⁵ Cross-listed in Explosions.

Maritime – SNAGS, SAWYERS, Logs in Water Subset – By Mortality

1. 1864 -- Jul 21, *B.M. Runyan* snags/sinks, MS River, Island 84, Gaines Landing, MS --70-150
2. 1851 -- Jan 27, steamboat *John Adams* snags/sinks, MS River, above Greenville, MS -- 123
3. 1844 -- Jan 03, Steamboat *Shepherdess* Snags/Sinks, 3M No of St. Louis, MO --57-100
4. 1854 -- Mar 09, Steamer *John L. Avery* Snags, Miss. River, Black Hawk Pt., LA --12-90
5. 1918 -- July 05, fog, steamer *Columbia* snags/sinks, IL Riv., Wesley City, Pekin, IL --87-88
6. 1845 -- Dec 18-19, Steamer *Belle Zane* snags/capsizes, MS Riv., Island No. 75, AR --40-76
7. 1865 -- Jun 09, steamboat *Kentucky* snags & sinks, Red River, below Shreveport LA --50-75
8. 1862 -- Feb 27, steamboat *Prince* snags and sinks, Mississippi River, near Hickman, KY-- 74
9. 1823 -- Feb 08, Steamboat *Tennessee* Snags, Mississippi River, near Natchez, MS -- 60
10. 1867 -- Jan 17, steamer *Platte Valley* snags on submerged wreck, MS Riv., ~Memphis TN--16-50

11. 1862 -- Feb 23, Confederate Steamer *Cambridge* Snags, Grand Glaise, AR -- 42
12. 1842 -- Oct 08, *S.B. Eliza* Snags/Sinks, MS Ri. ~5m above mouth OH Ri, IL Shore --30-40
13. 1845 -- Dec 11, Steamboat *Caspian* Snags/Sinks, MS River, Island No. 25, AR -- 40
14. 1852 -- Jan 25, Steamer *De Witt Clinton* snags, sinks, MS River, below Memphis, TN--35-40
15. 1862 -- Aug 21, steamer *Acacia* snags, sinks, Mississippi River, Grand Cut Off, AR -- ~40
16. 1870 -- Feb 19, steamer *Emma No. 3* snags, burns,¹⁸⁹⁶ MS Riv., Isl. No. 35/Reverie, TN-- 40
17. 1870 -- Dec 18, *Nick Wall* snags/sinks Miss. River, ~Princeton, MS/Napoleon, AR -- 39
18. 1865 -- Mar 02, Union transport *James Watson* snags/burns, MS Riv., Island No. 76, AR--34-35
19. 1841 -- Steamer *Carolina* snags, Mississippi River, Osceola, AR -- 34
20. 1848 -- Nov 21, Steamer *Wyandotte* snags and sinks, MS River, above Vicksburg MS -- 30
21. 1854 -- Mar 27, Steamer *Monroe* hits log/sinks, MS Ri., just north of Natchez, MS --17-30
22. 1865 -- Jun 09~, SS *Kentucky* snags/sinks, Red River, Tow Head Isl. ~Shreveport LA -- ≤30
23. 1851 -- Dec 04 or 09, Steamboat *Clermont* snags, sinks, White River ~Augusta, AR --20-23
24. 1847 -- June 29, *Star Spangled Banner* snags/sinks, MS Riv. Thomas's Pt., ~Baton Rouge, LA-- 20
25. 1865 -- Dec 01, steamer *Progress* snags/sinks, Arkansas Riv., 20m below Fort Smith, AR--20
26. 1883 -- Mar 4, steamer *Yazoo Valley* hits log/sinks, MS Riv., ~Bonnet Carre Crevasse, LA-- 20
27. 1854 -- Aug 02, steamboat *Cape May* snags/careens/sinks, Ohio Riv., Mt. Vernon, IN-- 7-18
28. 1860 -- May 09, Steamer *R.F. Sass* snags/sinks, Miss. River, Clark's Bar, ~Glover, MS-- 17
29. 1864 -- Oct 30, Union packet *Universe* snags/sinks, MS Riv., between Islands 35&36 -- 17
30. 1864 -- Nov 03, steamboat *James White*, snags/sinks, Mississippi River, Island #10, TN-- 17
31. 1869 -- Apr 10, steamboat *G.A. Thomson* snags/burns, AR Riv. ~40M below Little Rock AR--17
32. 1919 -- July 04, Pleasure Steamer *Reliance* snags and sinks, Lake Madison, SD --15-16
33. 1840 -- Apr 25, *Bedford* snags, mouth of MO River ~Mobile Is. or Cora Is. Chute, MO-- 15
34. 1850 -- Apr 28, Steamer *Cora* snags, sinks, Missouri River, below Council Bluffs, IA -- 15
35. 1857 -- Oct 15, Steamer *Tropic* snagged, Missouri River, near Waverly, MO --10-15
36. 1862 -- Nov 12, steamer *Eugene* snags wreck/sinks, Miss. River, Plum Point Bend, TN-- 15
37. 1882 -- July 16, steamboat *John Wilson* snags/sinks, Atchafalaya Riv., Richards Landing, LA-15
38. 1864 -- Feb 17, steamboat *Orient* snags/sinks to upper deck Miss. Riv., Commerce MO-- 14
39. 1841 -- Aug 29, Steamboat *Keokuk* Snags, Miss. River, St. Genevieve Island, MO --11-13
40. 1896 -- Oct 20, Steamer *Arago* Snags/Sinks, Mouth of Coos Bay, OR -- 13
41. 1919 -- Apr 28 U.S. Navy Launch hits log, capsizes, Hudson River, NY, NY -- 13
42. 1889 -- Jan 05, Steamer *Paris C. Brown* Snags and Sinks, Hermitage Landing, LA -- 8-11

¹⁸⁹⁶ Cross-listed in fire in that the fire forced crew and passengers into the water where many drowned.

Maritime subset -- SNAGS and SAWYERS -- By Mortality (continued):

- 43. 1854 -- Jan 09, *General Bem* snags/lost, Arkansas River, Walnut Bend, AR -- 10
- 44. 1854 -- May 10, Steamer *Pike* snags/sinks, MS Riv., Big Eddy, Wilkinson's Lndg., MO-- 10
- 45. 1901 -- May 12, *City of Paducah* snags/sinks, MS River, near Brunkhorst Landing, IL--6-≤10

MARITIME Events -- **STORMS/Squalls/Rough Weather Subset** – **By MORTALITY**

1. 1715 -- July 31, hurricane, Spanish ships ground, Fort Pierce-Wabasso Beach, FL --1,000
2. 1944 -- Dec 18, USN Task Force 38 hit by typhoon, 3 ships capsized off Philippines -- 790
 - 202 *Hull*
 - 256 *Monaghan*
 - 317 *Spence*
 - 15 deaths from ten other vessels
3. 1865 -- Mar 31, govt. steam transport *General Lyon* burns, Cape Hatteras, NC¹⁸⁹⁷--~521-571
4. 1898 -- Nov 26-27, Portland Gale/Nor'easter, Cape Cod, MA -- 500
5. 1919 -- Sep 12, Spanish liner *Valbanera* sinks off Rebecca Shoal, Dry Tortugas, FL -- 488
6. 1857 -- Sep 12, hurricane, steamer *Central America* sinks, Blake Plateau off Charleston SC--400-427
7. 1907 -- Feb 11, *Larchmont* steamship ground/sinks in blizzard off Block Harbor, RI --123-332
8. 1854 -- Apr 16, storm, packet ship *Powhatan* grounds/breaks up off Long Beach Isl. NJ-250-311
9. 1853 -- Dec 24-Jan 2, gale, troopship *San Francisco* deck swept away off Carolinas--209-300
10. 1854 -- Nov 13, storm, US immigrant ship *New Era* grounds on bar, Deal Beach, NJ--240-300
11. 1898 -- Nov 26-27, Portland Gale, NY/10 & MA/~290 maritime, esp. *SS Portland*, MA--~300
 - 127-176 Side-wheel steamer, *SS Portland*, off Cape Cod.
 - 15 *F. R. Walker*, fishing schooner, off Cape Cod.
 - 16 Steamer *Pentagoet*, off Cape Cod.

12. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost¹⁸⁹⁸ --US 172-192 of 254-277
13. 1866 -- Oct 03, hurricane, steamer *Evening Star* sinks, ~100M off Tybee Island, GA--247-255
14. 1944 -- Sep 13, hurricane, USS *Warrington* sinks off coast of FL¹⁸⁹⁹ -- 248
15. 1865 -- July 30, stmr. *Brother Jonathan* hits rock/sinks, storm, off Crescent City, CA--171-225
16. 1942 -- Feb 18, USS *Truston* and USS *Pollux* run aground, storm, Placentia Bay NFL -- 204
17. 1799 -- sixty Native Alaskan bidarka's lost in storm, Hinchinbrook Entrance, S.C. AK-- 200

18. 1864 -- Dec 22, U.S. steam transport *North America* sinks, storm off coast of north FL-- 197
19. 1898 -- Nov 26-27, storm, sidewheel steamer *Portland* sinks, Cape Cod, MA 127-192
20. 1895 -- May 27, storm, *Colima* (SF, CA) founders off Manzanilla, Mexico -- 153
21. 1705 -- Dec 19-21, privateer *Castle Del Rey* grounds & breaks-up, Sandy Hook, NJ -- 132
22. 1797 -- Sep 08, gale, slave ship *General Nichols* founders off FL/GA coastal border -- 132
23. 1893 -- Oct 01-02, Hurricane Cheniere Caminanda, Gulf Coast, LA, MS, AL¹⁹⁰⁰ --123-127
24. 1919 -- Sep 9-10, hurricane, *Corydon*, *Grampus*, *Larimer*, *Lake Conway*, *Munisla* lost-- 127
25. 1862 -- Feb 24, Blow of 1862, 15 Gloucester MA boats lost, Georges Bank -- 122
26. 1883 -- Nov 12-14, gales, nine Gloucester, MA fishing schooners lost, Georges Bank -- 114
27. 1800 -- ~Sep, revenue cutter brig USS *Pickering* lost, gale/hurricane, off FL¹⁹⁰¹ --70-105
28. 1878 -- Jan 31, steamer *Metropolis* wrecks, gale, south of Jones Hill Station, NC --85-104

¹⁸⁹⁷ Cross-listed here because during a "hurricane-like" storm, several barrels of kerosene oil in the engine room were shaken down and burst. Oil hitting the boiler ignited, thus causing the fire. The storm also hindered escape via lifeboats and attempts by vessels to get near the *Lyon* or let down lifeboats to pick-up people in the water.

¹⁸⁹⁸ Cross-listed in winter Storms (though technically late fall, the storm itself was winter snow and wind storm).

¹⁸⁹⁹ These fatalities are part of the 390 attributed to the "Great Atlantic Hurricane."

¹⁹⁰⁰ This is a subset of 1,700-2,000 cross-listed hurricane fatalities, and is a minimum representation of maritime, especially fishing craft, losses, which is a tally of craft identified by name and numbers of crew lost.

¹⁹⁰¹ Cross-listed in Hurricanes.

29. 1898 -- Feb 05, gale, Seattle schmr. *Clara Nevada* grounds/sinks ~Eldred Rock, AK --82-104
 30. 1877 -- Nov 24, Navy warship USS *Huron* founders in storm off Nags Head, NC --83-103
 31. 1778 -- Dec 26-27, blizzard, New Eng., esp. MA and RI, brig *Arnold*, sloop *Stark* -- 101
 32. 1700 -- Sep 14, Hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC -- ~100
 33. 1880 -- Oct 16, Sidewheel steamer *Alpena* sinks, Lake Mich. storm off Holland, MI --60-101
 34. 1837 -- Oct 09, Storm, Steamship *Home* Shipwrecks at Ocracoke Island, NC¹⁹⁰² 90-100
 35. 1857 -- Nov 18, Storm, ~Twenty Coal Boats Sink, OH and MS Rivers ~Cairo IL -- ~100
 36. 1888 -- Mar 11-14, East Coast "Blizzard of 1888,"¹⁹⁰³ Maritime Loss component -- >100
 37. 1900 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome, AK¹⁹⁰⁴ >100

MARITIME Events – **STORMS** Subset -- Deadliest Amer. – **By MORTALITY**, continued:

38. 1850 -- Oct 06, storm, emigrant (Irish) ship *Saint John*, wrecks, Scituate, MA -- 99
 39. 1890 -- July 13, steamer *Sea Wing* capsizes in storm, Miss. River, Lake Pepin, MN -- 98
 40. 1915 -- Aug 14-15, United Fruit Co. steamer *Marowijne* sinks, hurricane, Gulf of Mx.--87-98
 41. 1839 -- Dec 15, winter gale, maritime losses, MA coast/harbors, esp. Gloucester, MA --67-90
 42. 1863 -- Aug 21, hurricane, USS *Bainbridge* capsizes, off Cape Hatteras, NC¹⁹⁰⁵ --80-90
43. 1836 -- Nov 21/22, storm, U.S. ship *Bristol* wrecks, Far Rockaway Beach, Long Isl., NY --64-89
 44. 1856 -- Aug 10-11, Steamer *Nautilus* Founders, Hurricane off LA Coast¹⁹⁰⁶ --70-85
 45. 1778 -- Dec 25, storm, Brig *General Arnold* Grounds, White Flats, Plymouth Bay MA-- 81
 46. 1813 -- Aug 8, schooners USS *Hamilton* & *Scourge* capsize, Lake Ontario squall ~Niagara Riv., NY->80
47. 1865 -- Jan 8, storm, SC steamer *Melville*, NY to Port Royale SC, sinks off Hatteras NC--~76
 48. 1870 -- Oct 20, Hurricane, Steamer *Varuna* Capsizes, 35M NE of Jupiter Inlet, FL¹⁹⁰⁷ --36-72
 49. 1945 -- Mar 13, storm, US troopship *J.W. McAndrew* hit by French ship, N. Atlantic --68-71
50. 1893 -- Oct 13-14, Great Lakes storm, esp. *Dean Richmond*, *Wocoken*, others, lost --57-68
- | | | | |
|---------|-----------------------|---------------------|-----------------------------------|
| -- 2 | <i>Annie Sherwood</i> | schooner | Lake Superior |
| -- 75 | <i>Aunt Ruth</i> | schooner | Lake Huron (not certain loss) |
| -- 7-8 | <i>C. B. Benson</i> | schooner, Oct 13, | Lake Erie, off Port Colborne, Can |
| --15-23 | <i>Dean Richmond</i> | propeller freighter | Lake Erie, off Dunkirk, NY |
| -- 6 | <i>Minnehaha</i> | schooner | Lake Michigan |
| -- 6-7 | <i>Riverside</i> | schooner | Lake Erie |
| -- 1 | <i>Volunteer</i> | schooner | Lake Huron |
| --13-14 | <i>Wocoken</i> | freighter | Lake Erie, off Dunkirk, NY |
| -- 3 | unnamed | small boat | Lake Erie, off Dunkirk, NY |
| -- 4 | New York mainland | | |

¹⁹⁰² Cross-listed in Hurricanes.

¹⁹⁰³ Cross-listed in winter Storms – Nor'easters

¹⁹⁰⁴ Hurricane-like southeaster gale producing storm surge into Nome and high waves destroying buildings along the waterfront. Have seen reference to 18-19 deaths at Nome, mostly drowning. Cross-listing in Maritime in that over 100 Natives were reported to have drowned trying to cross from Kings Island to the mainland in umiaks.

¹⁹⁰⁵ Cross-listed in Hurricanes.

¹⁹⁰⁶ Cross-listed in Hurricane. Francaviglia (*From Sail to Steam...Texas Maritime History*, 1998, 175) dates the loss as Aug 8 off the coast of Texas.

¹⁹⁰⁷ Cross-listed in Hurricanes.

51. 1882 -- Feb 05?, gale, Gloucester schrs. *Bellerophon, Carroll, Pew, Revere, Somes*, GB-- 67
 52. 1815 -- Jan 23, Portland Maine Privateer *Dash* lost in squall, George's Bank area --54-66
 53. 1842 -- Nov 15-18, Great Lakes Storm, maritime losses, especially Lake Erie -- >65
 -- 8 "*Brandywine* (schooner), aground, 15 Nov 1842."
 -- 6 "*Caroline* (schooner), sunk?, 18 Nov 1842."
 -- 6 *Detroit* (schooner), aground, 11-15-1842. Lake Erie off Ontario Province, Can.
 -- 1 "*Edwin Jenny* (Schooner), aground, 15 Nov 1842." Lake Erie, Canadian shore.
 -- 8 "*Emily* (schooner), lost, 11-18-1842." Capsized off Long Point, Can., Lake Erie.
 -- 9 *Jefferson* (schooner), aground, 11-18-1842. Grounded, Buffalo, NY, Lake Erie.
 -- 2 *Jena* (Schooner). Out of Detroit, lost two men off Grand River, Lake Michigan.
 -- 6 *Liguire* (schooner), aground, 11-15-1842. Point Abino, Canada side, Lake Erie.
 -- 2 Merchant (schooner), rudder damaged, 11-15-1842. Fairport Hbr., NY, Lake Erie.
 --10 "*Milwaukie* (Ship), aground, 11-18-1842." Near Kalamazoo Riv., mouth, Lake MI.
 -- 7 "*N. Hubbard* (Schooner), aground, 15 Nov 1842." Off Conneaut OH, Lake Erie.
 54. 1846 -- Sep 19, Gale, 11 Fishing Schooners Lost, out of Marblehead, MA -- 65
 55. 1914 -- Sep 18, storm, steamer *Francis H. Leggett* founders, off OR Coast -- 65
 56. 1944 -- Feb 26, storm, US freighter *William H Welch* grounds/breaks, Eilean Furadh Mor Isl., Scotland-62
 57. 1856 -- Oct 24, steamer *Toledo* sinks, Lake Michigan storm, off Port Washington, WI--40-61
 58. 1846 -- Feb 14/15, winter Snow Storm, *John Minturn* & other boats ground/wreck, NJ-50-60

MARITIME Disasters-- STORMS Subset--Deadliest Amer.-- By MORTALITY, continued:

59. 1916 -- Oct 20-21, *Merida, D.L. Flyer, James B. Colgate* sink, Lake Erie gale --54-59
 60. 1904 -- Jan 8/9, storm, steamer *Clallam* floods/sinks, Strait of Juan de Fuca (east), WA-- 56
 61. 1883 -- Dec 28, gale, Gloucester schs. *Stetson, Knutsford, Irving, Maddocks* lost at sea-52-55
 62. 1878 -- Oct 21-24, hurricane and maritime loses, NC, VA, MD, DE, PA, NJ, CT¹⁹⁰⁸ -- 54
 63. 1929 -- Oct 22, RR car carrier *Milwaukee* sinks, Lake MI storm ~7m NE Milwaukee WI-- 52
 64. 1840 -- May 07, tornado, steamboat *Hinds* sunk, Natchez, MS¹⁹⁰⁹ -- 51
 65. 1839 -- Dec 15, "Great Storm of 1839," Massachusetts Bay, MA -- >50
 66. 1856 -- Oct 29, steamer *Superior* grounds, Lake Superior storm -- 50
 67. 1856 -- Nov 04, stmr. *J.W. Brooks* sinks, Lake Ont. gale, ~False Duck Island, Ontario --20-50
 68. 1915 -- Aug 16-17, dredge boat *Sam Houston* grounds, hurricane, Highland, TX¹⁹¹⁰ -- 50

 69. 1887 -- Oct 29, loaded steamer *Vernon* sinks, Lake Mich. storm, off Two Rivers WI --41-49
 70. 1915 -- Apr 03, storm, steamer *Prinz Maurits* lost off Cape Hatteras, NC -- 49
 71. 1925 -- Nov 30-Dec 02, hurricane and maritime losses off east coast of FL -- 49
 -- 6 Flagler Beach area. Rum running schooner from Bahamas grounds/breaks
 --32 St. Augustine, ~35 miles off of; SS *Cotopaxi* founders
 --11 Somewhere south of Savannah, heading south; Yacht *Miramar*
 72. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Island, BC¹⁹¹¹--49
 73. 1885 -- Nov 07, snowstorm, passenger ship *Algoma* grounds, Greenstone, Mott Isl., MI¹⁹¹²-37-48

¹⁹⁰⁸ Land & Maritime losses cross-listed in Hurricane.

¹⁹⁰⁹ Cross-listed in Tornado. 586 people estimated to have been killed due to this tornado.

¹⁹¹⁰ Cross-listed in Hurricanes as a subset. There were 275-352 total fatalities.

¹⁹¹¹ Part of Canadian Graham Island group just south of southern point of Alaska's Alexander Archipelago.

74. 1939 -- Sep 25, Trop. Storm, fishing boats *Lur/15, Spray/24* capsized, others, SoCal --44-48
 75. 1944 -- Sep 14, Hurricane, USCG Cutters *Bedloe & Jackson* Sink off Hatteras, NC¹⁹¹³-- 48
 76. 1865 -- Oct 15, Steam. *Atlanta*, N.O., LA to NYC sinks/storm, off Sandy Hook, NJ --45-47
 77. 1820 -- Mar 06, USN Chartered Schooner *Quaker* Sinks in Gale, Chesapeake Bay --41-46
 78. 1952 -- Jan 09, SS *Pennsylvania* (of Tacoma) founders ~455M off Cape Flattery WA -- 46
 79. 1905 -- Oct 19/20, Great Lakes storm, at least 27 wood vessels lost, esp. *Kaliyuga* -- ≥44
 -- 5 *Emma L. Neilsen*, schooner, stranded, Presque Isle Bay, MI, Lake Huron.
 -- 2 *John V. Jones*, schooner, Lake Michigan.
 -- 1 *Joseph S. Fay*, steamer, near Rogers City, MI, Lake Huron.
 --17 *Kaliyuga*, steamer, lost, last seen 5m off Presque Isle, MI, Lake Huron.
 -- 9 *Minnedosa*, schooner (Canadian), foundered off Harbor Beach, MI. L. Huron.
 -- 2 *Sarah E. Sheldon*, schooner, off Loraine near Lincoln, OH, Lake Erie.
 -- 8 *Tasmania*, schooner-barge, foundered, SW Shoal, Pelee Island, Lake Erie.
 80. 1896 -- Mar 08, Seattle schooner *Lincoln* departs for Kodiak, AK, lost, storm, Pacific --25-43
 81. 1943 -- Dec 11, collier *Suffolk* sinks in heavy gale off Montauk Point, NY --all 42-43
 82. 1846 -- Nov 27, *Atlantic* steam explosion, grounds, reef, gale ~Fisher's Island, NY -- 42
 83. 1856 -- Oct 29, sidewheel *Superior* grounds, Lake Superior gale, Pictured Rocks, MI --34-42
 84. 1871 -- Apr 02, gale, Gloucester, MA schooners *Lindberg, Pride, Murray, Hough* lost-- 42
 85. 1819 --Jul 27, hurricane, U.S. *Firebrand* grounds, 'The Square Handkerchief,' MS¹⁹¹⁴--39-41
 86. 1898 -- Mar 20/21, bark *Helen W. Almy* capsizes in gale near Point Bonita, CA --40-41

MARITIME Events--**STORMS** Subset --Deadliest Amer. -- **By MORTALITY**, continued:

87. 1766 -- March, storm, seven Gloucester MA fishing boats sink, Grand Banks -- ~40
 88. 1792 -- July 01, storm or tornado, Philadelphia and NYC, boaters drown -- ~40
 89. 1887 -- Nov 17-19, Northeaster, Lake Superior, thirty shipwrecks -- ~ 40
 90. 1920 -- Apr 18, storm, steamer *William O'Brien*, out of NYC Lost in Atlantic Ocean -- 40
 91. 1886 -- Nov 15-18, Lake Superior and Michigan storm, MI & WI maritime deaths -- 39
 -- 5 *Emerald*, barge; foundered near Kewanee, WI, Lake Michigan
 -- 3 *F. M. Dickinson*, barge; foundered off Kewaunee, WI, Lake Michigan
 -- 1 *Florida*, schooner; pushed ashore into pier crushing a crewman
 -- 6 *Helen*, schooner; grounded near Muskegon, MI, Lake Michigan
 --10 *Lucerne*, schooner; grounded/broke-up off Chequamegon Pt., WI, Superior
 -- 7 *Marinette*, schooner; driven ashore/wrecked near Frankfort, MI, Lake Mich.
 -- 7 *Menekaunee*, schooner; driven ashore/wrecked near Frankfort, MI, Lake MI
 92. 1906 -- Nov 21-22, Great Lakes storm, U.S. and Canadian losses (esp. maritime) --38-39
 93. 1878 -- Dec 10, steamer *Emily B. Souder* founders, storm, off Cape Hatteras, NC --36-38
 94. 1900 -- Aug 7, storm, maritime losses, Nome and vicinity, AK -- 38
 95. 1909 -- Dec 08, coal car ferry *Marquette & Bessemer No. 2* lost, Lake Erie Storm --30-38
 96. 1806 -- Aug 21-24, hurricane, Carolinas coastal/maritime, *Rose in Bloom* upset, NJ¹⁹¹⁵-- 37

¹⁹¹² No surviving record of those onboard and conflicting accounts of numbers of crew and passengers lost and saved. The Thunder Bay Public Library webpage on the *Algoma* names 30 crew and 12 passenger fatalities.

¹⁹¹³ These fatalities are part of the 390 attributed to the "Great Atlantic Hurricane." Cross-listed in Hurricanes.

¹⁹¹⁴ Cross-listed under Hurricane.

97. 1889 -- Apr 06, Nor'easter, DE/MD/VA/NC, Chesapeake Bay, many vessels lost --25-37
 98. 1944 -- Sep 12, Hurricane, USN Minesweeper *YMS 409* sinks, off At. Coast¹⁹¹⁶ -- ~37
 99. 1954 -- Oct 07, SS *Mormackite* founders in rough seas off the Virginia Capes, VA -- 37
 100. 1967 -- Oct 9, freighter *Panoceanic Faith* founders/storm, 870m SW of Kodiak, AK--36-37

MARITIME Events – **STORMS** Subset -- **By MORTALITY** (continued):

101. 1887 -- Oct 29, steamer *Vernon* “wrecked,” Lake Michigan storm off Sheboygan, WI-- 36
 102. 1905 -- Mar 10, San Francisco fishing schooner *Pearl* wreck found, Unga Island AK -30-36
 103. 1919 -- Sep 08, last communication, steam tanker *Larimer*, 8m south of Key West, FL-- 36
104. 1860 -- Feb, Gloucester Ma sch.’s *George Washington, Advance, Wonson, Relief* lost-- 35
 105. 1863 -- Aug 28, sidewheel *Sunbeam* sinks, Lake Superior gale, ~Eagle Harbor, MI --26-35
 106. 1894 -- May 15-18, Great Lakes Storm, esp. Lake Mich., 23-28 Ships Founder --27-35
 107. 1898 -- Jan 31-Feb 01, storm, maritime fatalities, MA coast, esp. Gloucester area --17-35
 108. 1943 -- Dec 16, US freighter *Nevada* founders in gale, Atlantic ~200m so. of Greenland-31-35
109. 1811 -- Oct 05, gale/hurricane, USS gun boat *No. 2* sinks, off St. Mary’s, GA -- 34
 110. 1861 -- Feb, Gloucester MA schrs. *Sweepstakes, Young, Stanwood, White Swallow* lost--34
 111. 1865 -- Oct 25, steamer *Republic* (former USS *Tennessee*) founders ~Savannah, GA-- 34
 112. 1886 -- Jan 08-10, gale, Coast of NJ, NY and New England, maritime losses -- 34
 113. 1898 -- May 22, squall, Seattle schooner *Jane Gray* takes on water/sinks W of Cape Flattery, WA-34
 114. 1916 -- Jan 18, gale, Can. halibut trawler *Onward Ho* lost (icing capsized) ~Cape Fairweather, AK--34
 115. 1936 -- Jan 12, steamer SS *Iowa* grounds and sinks, heavy sea, Peacock Spit, WA -- 34
 116. 1940 -- Nov 11-12, Armistice Day Storm, Lake MI, *Anna Minch*, others lost, MI -- 34
117. 1861 -- Nov 9-10~, NY steamer *Keystone State* sinks, Lake Huron gale, off Port Austin, MI--33
 118. 1901 -- Dec 2, steamer *Matteawan* leaves Nanaimo, BC for San Fran., CA, lost in gale-- 33
 119. 1910 -- Feb 6, US Navy tug *Nina* departs Norfolk, lost in gale, Fenwick Isl. Shoals, DE--31-33
 120. 1958 -- Nov 18, freighter *Carl D. Bradley* sinks in Lake MI storm, ~Gull Island, MI-- 33
 121. 2015 -- Oct 01, U.S. cargo ship *El Faro* sinks, Hurricane Joaquin, off east Bahamas¹⁹¹⁷--33
122. 1846 -- Dec 08, storm, U.S. Naval Brig *Somers* capsizes off Vera Cruz, Mexico --30-32
 123. 1871 -- Oct 15, steamer *R.G. Coburn* sinks, Lake Huron storm, no. of Saginaw Bay, MI--~32
 124. 1872 -- Dec, 26, storm, bark *Kadosh* wrecked, ship *Peruvian* lost, MA coast -- 32
 125. 1895 -- Apr 14, BC Can. sealing schnr. *Walter A Earle* capsizes, storm, off Cape St. Elias, AK- 32
 126. 1910 -- Feb 6-8,¹⁹¹⁸ US Naval Tug *Nina* lost, Norfolk-Boston, gale, Fenwick Isl. Shoals, DE-31-32
 127. 1919 -- Sep 9~, freighter *Lake Conway* lost, storm?, Atlantic/Gulf of Mexico --31-32
128. 1804 -- Oct 9, “winter” storm (“Hurricane”), New England, especially coast of MA¹⁹¹⁹--31

¹⁹¹⁵ Cross-listed in Hurricanes. Majority of deaths were maritime (21 from *Rose In Bloom* alone). Sources note 42 total deaths of which we have seen notes concerning only five on land in the Wilmington, NC vicinity. Thus we surmise, for purposes of positioning in a tally, that something like (or approximately) 37 were maritime.

¹⁹¹⁶ These fatalities are part of the 391 attributed to the “Great Atlantic Hurricane.”

¹⁹¹⁷ Cross-listed in Hurricanes and in Maritime-Foundered. 28 U.S. nationals and 5 Polish nationals were onboard.

¹⁹¹⁸ Got underway on 6th and soon entered a blinding snowstorm; was expected to arrive Feb 8. *Wrecksite.eu* writes of the *Nina*: “She sunk at Fenwick Island Shoals, near the state of Delaware on the 6th.”

- 129. 1824 -- Oct 28, Schooner USS *Wildcat* founders, gale, Cuba to Thompson's Isl. W.I.-- ~31
- 130. 1894 -- Dec 7-8, steamer *Keweenaw* lost in gale, Pacific, Cape Flattery WA vicinity --29-31
- 131. 1943 -- May 04, US freighter *Oneida* springs leak/sinks, storm, ~100M off Norfolk VA-- 31
- 132. 1971 -- Mar 27, storm, tanker *Texaco Oklahoma* breaks-up/sinks, off Cape Hatteras, NC-31
- 133. 1983 -- Feb 12, gale, collier *Marine Electric* (34 crew) capsizes/sinks off Chincoteague, VA-31

MARITIME Events -- **STORMS** Subset -- **By Mortality** (continued):

- 134. 1889 -- May 13, sidewheel steamer *Alaskan* founders, storm, off Cape Blanco, OR --28-30
- 135. 1903 -- Sep 15-17, fishing schooner *Beatrice* lost north of Chincoteague, VA¹⁹²⁰ -- 30
- 136. 1903 -- Nov 02, storm, WA steamer *Discovery* founders, off Lituya Bay, SE coast AK--26-30
- 137. 1916 -- June 05, tornado, packet-boat *Eleanore* capsizes, MS River ~Memphis, TN--12-30
- 138. 1918 -- Feb 26, U.S. Naval tug *Cherokee*, Founders, Storm, Delaware Capes, DE -- 30
- 139. 1919 -- Sep 9-10~, cargo steamer *Munisla* lost (hurricane?), Mobile, AL for Havana¹⁹²¹--28-30
- 140. 1924 -- Sep 22, freighter *Clifton* sinks, Lake Huron storm, ~30m no. of Oscoda, MI --27-30

- 141. 1862 -- Jan 01, storm, Gloucester Schooners *Cynisca*, *Life Boat*, *Ocean Traveller* lost-- 29
- 142. 1894 -- Dec 7-8, steamer *Montserrat* lost in gale, Pacific, Cape Flattery, WA vicinity-- 29
- 143. 1896 -- Apr 25, SF seal schooner *Edward E Webster* departs Kodiak, lost, snow squall, AK--29
- 144. 1975 -- Nov 10, storm, SS *Edmund Fitzgerald* sinks, Lake Superior, Whitefish Bay, MI-- 29

- 145. 1876 -- Dec 30, freighter *Circassian* breaks-up in storm, Mecox, Long Island, NY -- 28
- 146. 1879 -- Aug 18-19, hurricane, CT, MA, ME, VA, Chesapeake Bay, at sea¹⁹²² -- 28
- 147. 1914 -- Nov 19, storm, steamer *C.F. Curtis*/two barges sink near Grand Marais, MI --27-28
- 148. 1942 -- Feb 24, US freighter *Norlavore* founders in storm off Cape Hatteras, NC --all 28
- 149. 1961 -- Jan 15, Nor'easter, USAF Radar Tower No. 4 fails ~70m east of Barnegat, NJ-- 28
- 150. 1966 -- Nov 29, *Daniel J. Morrell* (Cleveland) breaks/sinks, Lake Huron storm, off MI-- 28

- 151. 1839 -- Dec 22-23, gale, maritime losses (*Henry*/3-5, *Lloyd*/9, *Pocahontas*/13), esp. MA- 24-27
- 152. 1861 -- Nov 02-03, storm, ship *Maritana* wrecks, Egg Rocks ~Boston Light, MA¹⁹²³-24-27
- 153. 1874 -- June 07, storm, boats capsize, drownings, Lakes Oneida & Onondaga NY -- 1-27
- 154. 1883 -- Nov 16, steamer *Manistee* lost, Lake Superior gale, off west Keweenaw Pen., MI--~27
- 155. 1884 -- Dec 12, storm, oyster boats capsize, men drown, Rappahannock River VA -- 27
- 156. 1887 -- Early Apr, Amer. ship *St. Stephens* (Seattle-SF CA), lost in gale off Cape Flattery WA--22-27
- 157. 1919 -- Sep 09, steamboat *Corydon* sinks, hurricane, Bahama Channel off SE FL coast-- 27
- 158. 1927 -- Jan 11, storm, collier *John Tracy* sinks off Highland Light, Truro, MA --26-27
- 159. 1927 -- July 28, passenger vessel *Favorite* sinks in storm, Chicago IL -- 27

- 160. 1849 -- Nov 09, Bath, ME ship *Hanover*, grounds, gale, mouth Kennebec River, ME-24-26
- 161. 1858 -- Feb 20, ship *John Milton* grounds in snowstorm, Montauk, SE Long Island NY--26

¹⁹¹⁹ Cross-listed in winter Storms in that this was a coastal severe snow storm and a significant drop of temperature.

One additional live was lost on shore when part of one building was blown down through the roof of another.

¹⁹²⁰ Cross-listed, as a subset of 57 total fatalities, in Hurricanes.

¹⁹²¹ Included, as well, in the Sep 10-14 Hurricane noted below.

¹⁹²² Subset of Hurricane listing.

¹⁹²³ Cross-listed in Hurricanes.

162. 1868 -- Sep 08, steamer *Hippocampus* sinks, Lake Michigan storm, off St. Joseph, MI-- 26
 163. 1884 -- Feb 28, gale, Gloucester MA fishing schooners *Magic* and *Phoenix* lost -- 26
 164. 1892 -- Aug 30, freighter *Western Reserve* sinks, storm off Sable Banks ~Deer Park, MI-26
 165. 1894 -- Jan 12-13~, Gloucester Fishing Schs. *Edwards*, *Flash*, *Henrietta* lost, Gale -- 26
 166. 1895 -- Jan 21, steamer *Chicora* founders, Lake Mich. storm, ~off South Haven, MI--24-26
 167. 1905 -- Sep 2-3, *Iosco & Olive-Jeanette* sink, Lake Sup. storm, E of Keweenaw Pen., MI--26
 168. 1944 -- Sep 14, hurricane, USCG Cutter *Bedloe* sinks off Cape Hatteras, NC¹⁹²⁴ -- 26

MARITIME Events -- **STORMS** Subset -- **By Mortality** (continued):

169. 1798 -- Nov 17-21, New England blizzard and maritime storm¹⁹²⁵ -- >25
 170. 1873 -- Sep 15, steamer *Ironsides* sinks, Lake Michigan storm, ~Grand Haven, MI --20-25
 171. 1875 -- Sep 10, propeller *Equinox* sinks, Lake Michigan storm ~Big Sable Point, MI--21-25
 172. 1885 -- Aug 24-26, hurricane, FL/1, GA/2, NC, SC/21, New England, Atlantic/1 -- ~25
 -- 3 steamer/pilot boat *F. W. Schafer No. 4* (or possibly Sheper), SC
 -- 3 schooner *Gustie Wilson*, SC
 -- 6 schooner *John Stoddard*, SC
 -- 1 Italian bark *Marianina*, Atlantic, about 50 miles off Charleston, SC
 -- 5 schooner *Walter Smith*, SC
 -- 1 steamer *William Lawrence*, GA
 -- 1 unidentified small craft, Savannah, GA
 173. 1888 -- Oct 03, storm, whaling bark *Ohio* driven ashore ~Point Hope, Chukchi Sea, AK- 25
 174. 1901 -- Sep 16, steamer *Hudson* sinks, Lake Superior gale ~8m off Eagle River, MI --24-25
 175. 1929 -- Sep 09, steamer *Andaste* sinks, Lake Michigan storm, 14m west off Holland, MI--25

 176. 1837 -- Apr, severe gale, Georges Bank, three Gloucester MA fishing boats sink -- 24
 177. 1860 -- Nov 24, freighter *Dacotah*, grounds/breaks, Lake Erie Storm, ~Angola, NY -- 24
 178. 1882 -- Mar 17?, gale, Gloucester MA Schooners *Northerner* and *Victor* lost, GB -- 24
 179. 1883 -- Aug 29, gale, Gloucester MA Schooners *Alaska & James Bliss* lost, GB --23-24
 180. 1891 -- Feb 26, gale, craft lost, lower James Ri. ~Warwick Ri. mouth, Newport News, VA-20-24
 181. 1908 -- Dec 01, steamer *D.M. Clemson* sinks, Lake Superior storm ~Whitefish Pt., MI-- 24
 182. 1919 -- Oct 28, sidewheel *Muskegon* hits pier/sinks, Lake Michigan, Muskegon, MI --23-24

 183. 1814 -- Jun 30, tornado sinks schooner USS *Alligator*, Port Royal Sound, SC¹⁹²⁶ -- 23
 184. 1859 -- Oct 18, propeller *Troy* founders, Lake Huron storm, ~Point aux Barques, MI-- 23
 185. 1862 -- Nov 02-3, steamer *Bay State* founders, Lake Ontario gale ~Fair Haven, NY --20-23
 186. 1863 -- Nov 11~, steam propeller *Water Witch* sinks, Lake Huron storm ~off Oscoda MI-23
 187. 1869 -- Sep 8, hurricane, schrs. *Helen Eliza* grounds, Peak's Isl., ME; *Yankee Girl* lost-- 23
 188. 1894 -- Sep 30~, American ship *Ivanhoe* from Seattle lost in storm off Columbia Riv.?, WA--23
 189. 1919 -- Oct 28, steamer *Muskegon* hits pier in storm, Muskegon Harbor, MI -- 23
 190. 1927 -- Aug 24~, Gloucester, MA schooner *Columbia* lost, gale, off Sable Island, NS-- 23

¹⁹²⁴ These fatalities are part of the 409 attributed to the "Great Atlantic Hurricane."

¹⁹²⁵ Was a larger loss of life, but we do not know the number. David Ludlum writes in *Early American winters 1604-1820* (p. 75) that "hundreds" died in this storm and that the bodies of at least 25 sailors were pulled from wrecked ships on Cape Cod. He also notes that at least seven ships were lost near Cape Cod with all aboard.

¹⁹²⁶ Cross-listed in Tornadoes.

191. 1954 -- Dec ~5, storm, bulk carrier M/V *Southern Districts* founders off FL/SC/NC --all 23

MARITIME Events -- **STORMS** Subset -- **By Mortality** (continued):

192. 1878 -- Oct 12, whaling bark *Sarah* capsizes in gale, out of New Bedford, MA -- 22
193. 1901 -- Aug 19, Steamer *City of Golconda* Turtles, Windstorm, OH Riv. ~Paducah, KY --15-22
194. 1907 -- Oct 11, freighter *Cyprus* sinks, Lake Superior storm, 19m off Deer Park, MI--21-22
195. 1919 -- Nov 12-13, freighter *John Owen* sinks, Lake Superior storm, SE of Caribou Isl., MI--22
196. 1920 -- Jan 26, steamer *Mielerio* sinks in storm off Coast of FL -- 22
197. 1944 -- Sep 14, hurricane, USCG Cutter *Jackson* sinks off Cape Hatteras, NC¹⁹²⁷ -- 22
198. 1635 -- Aug 14-15, pinnace *Watch and Wait* wrecks, storm, on Thacher Island MA -- 21
199. 1857 -- Oct 19, paddlewheel *Reindeer* (Can.) grounds, Lake MI gale, Big Sable Pt., MI--21
200. 1871 -- Aug 18, steamer *Lodona* grounds in storm, 7m north of Cape Canaveral, FL -- 21
201. 1886 -- Dec 14, gale, American ship *Harvey Mills* sinks ~50m SW of Cape Flattery WA--17-21
202. 1888 -- Sep 06, storm, steamer *E.B. Ward Jr.* sinks, Utila to New Orleans, Gulf of Mex.--21
203. 1892 -- Oct 28, steamer *W.H. Gilcher* sinks, Lake Mich. storm, ~Manitou Isl. MI --17-21
204. 1906 -- Oct 18, sidewheel steamer *St. Lucie* sinks, hurricane, Elliot Key, FL¹⁹²⁸ -- 21
205. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY-- ~20
206. 1813 -- Sep 16, hurricane/gale, US Navy *Gun Boat No. 164* sinks, St. Marys, GA -- 20
207. 1821 -- Sep 17, schooner *Washington* strands, hurricane, Bay St. Louis, MS¹⁹²⁹ -- ~20
208. 1832 -- Jun 02, storm, steamboat *Hornet* capsizes, Ohio River, above Maysville, KY-- 20
209. 1838 -- Sep 07, sloops *Alabama, Dread, Caution* wreck ~Cape FL, FL, Hurricane¹⁹³⁰-- >20
210. 1846 -- Sep 05, storm, steamer *New York* founders ~60 miles off Cameron, LA -- 20
211. 1846 -- Nov 19, sidewheel *Indian Queen* grounds/breaks, Lake Erie storm, ~Dunkirk NY-20
212. 1856 -- ~Aug 10-11, schooner *Ellen* founders in hurricane, found on Last Island, LA-- ~20
213. 1846 -- Nov 19, *Indian Queen* wrecked, Lake Erie storm, near Dunkirk, NY -- 20
214. 1862 -- Dec 31, Iron Clad USS *Monitor* sinks, storm off Cape Hatteras, NC --16-20
215. 1873 -- Dec 04, freighter *City of Detroit* sinks, Lake Huron storm, Saginaw Bay, MI--19-20
216. 1880 -- May 04, squall, fishing boats capsize, Columbia River mouth, OR and WA --15-20
217. 1883 -- Nov 12, gale, Chesapeake Bay, sloop *Anne Gertrude*, other vessels lost -- 9-20
218. 1883 -- Dec 12-13, MI schooner *Mary Ann Hulbert* sinks, Lake Superior storm ~St Ignace Isl. Ont.-- 20
219. 1887 -- Nov 3, schooner *Ocean Bird* capsizes, storm, Pasquotank River, NC -- 9-20
220. 1905 -- Aug 28, steam freighter *Peconic* founders in gale, Atlantic, off Fernandina, FL-- 20
221. 1914 -- Apr 28, steamer *Benjamin Noble* sinks, Lake Superior gale, ~Knife Isl. MN --16-20
222. 1916 -- May 08, freighter *Kirby* sinks, Lake Superior storm 8m no. of Eagle Harbor MI--20
223. 1916 -- Aug 16, storm, steamer *Admiral Clark* founders off San Antonio, TX -- 20
224. 1920 -- Nov 26, gale, schooner-barge *W. J. Pirrie* driven onto rocks ~Cake Rock WA--18-20
225. 1942 -- Dec 31, freighter *Maiden Creek* sinks in storm, ~47M off SE. Long Isl., NY -- 20
226. 1950 -- May 07, squalls; boatmen in rivers/lakes/along coast of NY/17 and New Eng.-- 20

¹⁹²⁷ These fatalities are part of the 409 attributed to the "Great Atlantic Hurricane."

¹⁹²⁸ 164 deaths are attributed in total to the Oct 18-21, 1906 Florida Keys Hurricane.

¹⁹²⁹ Cross-listed in Hurricanes (subset of 35 total fatalities).

¹⁹³⁰ Subset of Sep 7, 1838 Hurricane near Cape Florida, FL taking 38 lives in total.

MARITIME Events -- **STORMS** Subset -- **By Mortality** (continued):

227. 1841 -- Feb 13, sidewheel *Lamplighter* shaft breaks, sinks in storm, off Dog Island, FL-- 19
 228. 1851 -- Oct 24, steamer *Henry Clay* sinks, Lake Erie storm, off Long Point, Ontario --16-19
 229. 1852 -- Nov 11-12, Cleveland steamer *Oneida* sinks, Lake Erie storm, E off Barcelona, NY-17-19
 230. 1878 -- Oct 23, hurricane, *A.S. Davis* grounds near Virginia Beach, VA -- 19
 231. 1887 -- Sep 03, gale, Provincetown, MA fishing schmr. *Rebecca R. Nickerson* lost, GB-- 19
 232. 1897 -- Nov 05, NY freighter *Idaho* sinks, Lake Erie storm, off Long Point, Ontario-- 19
 233. 1902 -- Mar 12, storm, steamer *Providence* grounds, Davis Bend, LA -- 19
 234. 1905 -- Nov 28, freighter *Ira H. Owen* sinks, Lake Superior storm, ~Outer Island, WI-- 19
 235. 1908 -- Dec 02, U.S. steamer *Soo City* lost in storm, Gulf of St. Lawrence -- 19
 236. 1915 -- Aug 16-17, U.S. dredger *San Bernardo* grounds, hurricane ~Galveston¹⁹³¹ -- 19
 237. 1918 -- Dec 19, tanker *George Loomis* leaves SF CA for OR, sinks/storm, so. OR coast--18-19
 238. 1936 -- Oct 17, Can. *Sand Merchant* sinks, Lake Erie storm, US water off Avon Pt., OH-- 19
239. 1786 -- Dec 5, gale, sloop grounds, Lovell's Isl., Brig at Pt. Shirley, Boston Harbor, MA 18
 240. 1843 -- Sep 25, gale, Steamer *Sarah Barnes* Sinks in Gulf, west of Sabine Pass, TX --17-18
 241. 1847 -- June 13~, schooner *Merchant* lost, Lake Superior storm, ~Keweenaw Peninsula MI--14-18
 242. 1876 -- Mar 01, *Nuova Ottavia* Grounds, Life-Saving crew lost, Kittyhawk, NC -- 18
 243. 1888 -- Nov 25, storm, Philly steam collier *Allentown* grounds off Cohasset, MA --all 18
 244. 1898 -- Jun 28, storm, steamer *Jessie V.* swamped, Kuskokwim River mouth, AK -- 18
 245. 1903 -- Feb 17, steamer *Olive* sunk, tornado, Chowan Riv., Woodley's Pier, NC¹⁹³² --14-18
 246. 1908 -- Jan ~23, steamer *Bluefields* founders, Storm off Cape Hatteras, NC -- 18
 247. 1924 -- Mar 11/12, Maine schooner *Wyoming* sinks in blizzard off Chatham, MA --13-18
 248. 1942 -- Dec 03, tanker-barge *Cleveco* sinks, Lake Erie blizzard 6m No. Euclid, OH -- 18
249. 1839 -- Nov 25, brig *Neptune* grounds, Lake Michigan gale, Little Sable Point, MI -- 17
 250. 1854 -- Dec 08, stmr. *Westmoreland* sinks/ice-laden, Lake MI storm, Manitou Passage, MI--17
 251. 1859 -- Apr 01~, storm, Gloucester schrs. *Grace T. Powers & Charles E. Grover* lost-- 17
 252. 1860 -- Nov 24, stmr. *Jersey City* grounds, Lake Erie storm, Long Pt., Ontario, Can.-- 17
 253. 1884 -- Aug 29, steamer *Belmont* capsizes, high wind, OH Riv., 3m ~Henderson, KY-13-17
 254. 1898 -- Oct 25, storm, steamship *L.R. Doty* sinks, Lake Mich., north of Milwaukee, WI- 17
 255. 1911 -- Jan 10, barges *Trevorton, Corbin, Pine Forest*, wreck, Cape Cod, MA -- 17
 256. 1912 -- Nov 23, schooner *Rouse Simmons* sinks, Lake MI storm, 12m NE Two Rivers WI---17
 257. 1919 -- Mar 28~, Boston tug *Charles W. Parker, Jr.* Norfolk to Boston, lost, storm -- 17
 258. 1924 -- Aug 26~, three MA fishing schooners lost, probably in gale, Georges Bank -- 17
 259. 1951 -- Jan 14, Gloucester, MA, fishing trawler *Gudrun* lost off Newfoundland -- 17
 260. 1951 -- Oct 5, Hurricane How, freighter *Southern Isles* breaks-up/sinks off Cape Hatteras, NC-- 17
 261. 1953 -- May 11, freighter *Henry Steinbrenner* sinks, Lake Superior storm, ~Isle Royale, MI- 17
 262. 2018 -- July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO¹⁹³³ -- 17
263. 1860 -- Sep 17-18, storm, *R. H. Dixie* wrecked, Bay of Mobile, off AL -- 16
 264. 1882 -- Dec 05, schmr. *Henry Folger* Grounds on Reef, Salmon Pt. ~Wellington, Ont.-- 16

¹⁹³¹ Cross-listed in Hurricane as a maritime subset.

¹⁹³² Cross-listed in Tornadoes.

¹⁹³³ Cross-listed in Maritime subset -- Sinking/capsizing.

265. 1887 -- Sep 21, hurricane, mid-TX coast to Brownsville, US tender *Mignonette* lost/16-- 16
 266. 1891 -- Aug 12, storm, barge *Republic* deck fails, Cold Spring Harbor, L.I., NY --13-16
 267. 1906 -- Apr 6, last sighting, bark *Nicholas Thayer*, heavy gale off Seal Rocks AK¹⁹³⁴-10-16
 268. 1916 -- Jan 05, steamer *Kanawha* hits tower, storm, capsizes, OH Ri. ~Parkersburg, WV-- 16
 269. 1918 -- June 02, Storm, Lifeboat from *Carolina* (sunk by U-151) Capsizes, off NJ -- 16
 270. 1919 -- Nov 22, steamer *Myron* sinks, Lake Superior gale, off Whitefish Point, MI -- 16
 271. 1978 -- June 17, tornado, showboat *Whippoorwill* capsized, Pomona Lake, KS¹⁹³⁵ -- 16

MARITIME Events – **STORMS** Subset – **By Mortality** – continued:

272. 1840 -- Mar 25, brig *Escambia* sinks between Frying Pan Shoals/Cape Lookout NC --12-15
 273. 1846 -- Nov, Gloucester MA Schooners *General Scott*, *Canton* lost, Georges Bank -- 15
 274. 1872 -- Nov 27, barges *Jupiter & Saturn* ground, Lake Sup. storm, Vermilion Pt., MI-- 15
 275. 1878 -- Jan 18 last sighting, American ship *Grace Darling*, gale off Cape Flattery, WA-- 15
 276. 1881 -- Sep 10, steamer *Columbia* founders, Lake MI storm, north off Frankfort, MI-- 15
 277. 1888 -- Nov 26, storm, schooner *Edward Norton* wrecks, First Cliff Pt., Scituate MA-- 15
 278. 1900 -- Aug 2-3, storm, steamers *Merwin*, *Resolute* and *Dollar* “Wreck,” AK -- 15
 279. 1906 -- Sep 26-26, Gulf Coast Hurricane, life lost on ≥6 schooners, AL, FL, MS -- 15
 280. 1909 -- Dec 8, PA steamer *Clarion* storm and fire, Lake Erie ~SE Shoal, Pt. Pelee, Can.--15
 281. 1911 -- June 12, storm, fishing boats capsized, James River & Hampton Roads, VA -- 15
 282. 1914 -- July 4, gas launch *Superba/Superb* capsizes, storm, Lynn Canal ~Skagway, AK--15
 283. 1930 -- July 29, OH sandsucker *George J. Whelan* capsizes/sinks/squall/cargo shift ~Dunkirk, NY--15
 284. 1936 -- July 29, barge *Material Service* sinks, Lake Mich. storm, off so. Chicago, IN¹⁹³⁶-15
 285. 1943 -- July 27, SE TX coast hurricane, USACE dredge *Galveston/11* & tug *Titan* sink-- 15
286. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA¹⁹³⁷14
 287. 1837 -- Aug 6, hurricane, St. Augustine-Charleston schnr. *S.S. Mills* sinks off Jekyll Island, GA-14
 288. 1839 -- Aug 13, storm, Austrian brig *Terasto* (Perasto?) grounds, Long Beach Island NJ--13-14
 289. 1851 -- Oct 03, Gloucester, MA schooner *Flirt* sank, Bay of St. Lawrence gale -- 14
 290. 1856 -- Nov 26, schooner *Cherokee* founders, Lake Mich. gale 7m so. Manistee, MI-- 14
 291. 1866 -- June 17-18, NY steamer *Jennie P. King* wrecks, Lake Erie storm, Long Pt., Ont.-14
 292. 1882 -- Dec 01, *R.G. Peters* fire, founders, Lake Mich. storm, bound Manistee, MI -- 14
 293. 1885 -- Feb 9~, gale, Gloucester, MA fishing schooner *Solomon Poole* lost, Great Bk-- 14
 294. 1887 -- Aug 20, gale, Provincetown MA whaling sch. *Ellen Rizpah* lost ~Hatteras NC-13-14
 295. 1887 -- Sep 03~, Gloucester, MA fishing sch. *Thomas L. Tarr* lost, gale, banks trip -- 14
 296. 1887 -- Oct 03, propeller *California* founders, Lake Mich., off St. Helena Isl., MI -- 9-14
 297. 1888 -- May 03, gale, fishing sch. *Isabel* springs leak, founders ~Shumagin Isl. AK --12-14
 298. 1890 -- Jan 9~, Gloucester, MA fishing schooner *Alice M. Strople* lost, GB Gale? -- 14
 299. 1892 --Aug 26, ship *William A. Campbell*, out of Port Townsend, WA sinks, storm --11-14
 300. 1892 -- Oct 4, Cleveland steam-barge *Nashua* sinks, Lake Huron gale, off Bayfield, Ont.--14
 301. 1902 -- Nov 23, MI freighter *Silvanus J. Macy* sinks, Lake Erie storm, off Port Burwell, Ont.-13-14

¹⁹³⁴ Cross-listed in Lost at Sea, though indications are that the Nicholas Thayer was thrown on Seal Rock in gale.

¹⁹³⁵ Cross-listed in Tornadoes.

¹⁹³⁶ While South Chicago is in IL, starting about ½ mile off coast the water is in Indiana jurisdiction. The *Material Service* went down beyond ½ mile from the coast, thus in IN water. Lake County, IN, had local jurisdiction.

¹⁹³⁷ Cross-listed under winter Storms.

302. 1909 -- May 01-02, steamer *Adella Shores* sinks, Lake Superior gale, off Grand Isl., MI--14
 303. 1911 -- Nov 12, storm, steam barge lost off New York Harbor, NY -- 14
 304. 1923 -- Dec 05, steamer *T.W. Lake* lost in storm, near San Juan Islands, WA --13-14
 305. 1928 -- Aug 09, steamer *William A. McKenney*, storm/drownings, Coast of CA -- 14
 306. 1930 -- Jan 28, tug *Edgar F. Coney* sinks/storm, Gulf of Mex. ~70m off Sabine Pass, TX--14
 307. 1942 -- Dec 02, tug *Admiral* sinks, Lake Erie storm, ~10m Avon Pt. Cleveland, OH-- 14
 308. 1955 -- Aug 12, schooner *Levin J. Marvel* founders Chesapeake Bay ~Fairhaven MD-- 14

MARITIME Events – **STORMS** Subset – **By Mortality** – continued:

309. 1810 -- Sep 11, USN *Gun Boat # 159* sinks in gale in Chesapeake Bay -- 13
 310. 1846 -- Nov 19, schooner *Lexington* sinks, Lake Erie storm, off Point Mouillee, MI -- 13
 311. 1856 -- Aug 10~, hurricane, ship *Manila* (or *Manilla*) grounds Timbalier Isl. LA --10-13
 312. 1867 -- Sep, Gale, Gloucester MA fishing schnr. *Fashion* lost, Bay of St. Lawrence -- 13
 313. 1878 -- Jan 10, storm, Boston fishing schooner *Little Kate* grounds near Duxbury, MA-- 13
 314. 1881 -- Mar 04, bark *Ajace*, NYC bound, grounds, storm, Rockaway Reef, off Queens NY-13
 315. 1886 -- ~Sep 20 Amer. ship *Sierra Nevada*, Seattle for San Fran., founders off Cape Flattery WA--13
 316. 1890 -- Jan 23, bark *Nellie May* (Port Madison WA for SF CA) lost, gale? off Cape Flattery WA--13
 317. 1901 -- May 24, Lake Huron storm, steamer *Baltimore* sinks off Au Sable Pt., MI --12-13
 318. 1909 -- Dec 13, sch. *Governor Ames* wrecks, storm, Wimble Shoals, Cape Hat. NC --11-13
 319. 1917 -- Dec 08, storm, ship *Eugene F. Moran* founders off Atlantic City, NJ -- 13
 320. 1972 -- Aug 16, USCG/NWS fail to warn fishing boats of approaching gale CA/2, OR/11--13
 321. 1989 -- July 31, *Avco* 5 liftboat capsizes, Hurricane Chantal, off Morgan City, LA -- 13
322. 1821 -- Oct 25, storm, *Sea Fox* capsizes same day as sailing from NYC, NY -- 12
 323. 1854 -- Sep 17/18, hurricane, steamer *Kate Ward* lost, Matagorda Bay, TX¹⁹³⁸ -- 12
 324. 1856 -- ~Aug 10-11, schooner *Exceed* lost, Last Island Hurricane, off coast of LA -- ≥12
 325. 1860 -- Nov 10, gale, American ship *John Marshall* lost, Strait of Juan de Fuca ~Cape Flattery WA~10-12
 326. 1868 -- ~Dec-Jan 1869, storm, Gloucester, MA fishing schooner *Forest Bell* lost, GB-- 12
 327. 1870 -- Sep 18, gale, Gloucester, MA fishing schooner *Day Star* lost at sea -- 12
 328. 1874 -- Feb 11, gale, Gloucester, MA fishing schooner *B. H. Smith*, Lost Grand Banks-- 12
 329. 1875 -- Sep 10, steamer *Mendota* sinks, Lake Michigan storm, off Point Betsie, MI --10-12
 330. 1875 -- Sep 15-15, hurricane, Atlantic and Gulf coasts, *Mabel*, *Nord-Kyn*, *Serene* -- ≥12
 331. 1878 -- Jan 02-03, Cape Cod storm, schnrs. *A.P. Avery*, *Powwow*, *F. Fish* wrecked -- ~12
 332. 1885 -- Dec 25-Jan 1886, Gloucester, MA fishing schnr. *Hyperion* lost, GB trip gale?-- 12
 333. 1887 -- Apr 01, ship *Eldorado* (Seattle to SF) sinks in storm off Cape Flattery, WA -- 12
 334. 1887 -- Nov-Dec, Gloucester, MA fishing schooner *Peter D. Smith* lost Georges trip-- 12
 335. 1891 -- Sep, gale, Beverly, MA fishing schnr. *Albert Woodbury* lost ~Nova Scotia --11-12
 336. 1892 -- July 12, storm, steamer *Frankie Folsom* capsizes, Illinois River, Peoria, IL -- 12
 337. 1895 -- Jan, 26, storm, barges towed by *Sea King* founder off Point Judith, RI -- 12
 338. 1898 -- Aug 02, hurricane, tugboat *Nimrod* capsizes, crew lost, off Cape San Blass, FL--12
 339. 1899 -- Apr 22, lifeboat from foundered stmr. *General Whitney* capsizes ~Cape Canaveral, FL--12
 340. 1899 -- Oct 30, steamer *George L. Colwell* founders in gale off Coast of SC -- 12
 341. 1899 -- Dec 05, freighter *Niagara* sinks, Lake Erie Storm, 10m E of Long Pt. Ont. -- 12
 342. 1924 -- Nov 15, rum runner tug *William Maloney* founders, storm, Newport, RI --11-12

¹⁹³⁸ Cross-listed under Hurricane.

343. 1929 -- Oct 29, steamer *Wisconsin* sinks, Lake Michigan storm, off Kenosha, WI -- ≥12
 344. 1933 -- Jan 24, storm, diesel *Umnak Native* strands, Umnak Isl., Inanudak Bay, AK --11-12
 345. 1938 -- Sep 21, New England hurricane, *Charles O. Carlson* (5), *Ocean View* (6)¹⁹³⁹-- 12
 346. 1944 -- Sep 15, hurricane, USCG lightship *LS-73* sinks, off coast of MA -- 12
 347. 1947 -- Mar 12, tanker *Fort Dearborn*, San Fran. to Shanghai, breaks up, gale, Pacific-- 12

MARITIME Events – **STORMS** Subset – **By Mortality** – continued:

348. 1797 -- Oct 18, storm, schooner *Flying Fish* knocked over, 7 drown inside, 4 later, off GA--11
 349. 1849 -- Apr 17, *Outward Bound* founders, Lake Mich. storm, Manitou Passage, MI -- 11
 350. 1855 -- Oct 27, propeller *Charter Oak* founders, Lake Erie gale, off Girard, PA --10-11
 351. 1855 -- Nov 03, *Delaware* grounds, Lake Mich. storm, ~8 miles from Sheboygan WI --10-11
 352. 1860 -- Sep 07-08, schooner *St. Mary* founders in Lake Michigan storm --all 11
 353. 1869 -- Nov 05~ sch. *W.W. Arnold* grounds, Lake Sup. storm, Two Hearted River, MI-- 11
 354. 1871 -- Jul 3, CA brig *Shelehoff* disabled Pacific Ocean storm, starvation, found Oct 19-- 11
 355. 1871 -- Sep 22, schooner *Charles H. Hurd* sinks, Lake MI gale ~South Manitou Isl., MI--11
 356. 1883 -- May 20, schooner *Wells Burt* founders, Lake Mich. storm, off Evanston, IL--10-11
 357. 1886 -- Feb 26, snowstorm, steamer *Idlewild* strands, lifeboat lost, off Stamford CT -- 8-11
 358. 1889 -- Feb 22, storm, N.S. Bark *Josie Troop* hits rocks off Chicamacomico, NC -- 11
 359. 1892 -- Feb 19-Mar 02~, gale, schr. *Tecumseh*, Strands, Fenwick Isl. Shoals, MD --10-11
 360. 1895 -- Apr 24, SF, CA seal/fishing schooner *C G White* grounds/storm, Trinity Isl. reefs, AK--11
 361. 1900 -- Sep 12, freighter *John B. Lyon* sinks, Lake Erie storm, off Ashtabula, OH -- 11
 362. 1903 -- Oct 3, steamer *Erie L. Hackley* sinks, Lake MI storm, Green Bay ~Green Isl., WI--11
 363. 1905 -- Nov 27-29, Lake Sup. storm, *Mataafa*/9 *Edenborn*/1 *Lafayette*/1 wreck ~Duluth MN--11
 364. 1908 -- Apr 26, boat *Miriam* struck by “cyclone,” Wrecked, MS Riv. TN-AR -- 11
 365. 1908 -- May 02, gale, stmr. *Minnie E. Kelton* floods/adrift/men washed off, Yaquina Head OR--11
 366. 1909 -- Oct 11, tug *Sybil* Wrecks, Hurricane, off coast of Miami, FL -- 11
 367. 1911 -- July 28, New England coastal storm, craft lost (esp. *Nokomis*), esp. MA -- 11
 368. 1918 -- Dec 03, storm, *Manola* founders, Lake Ontario, near Duck Island, Canada. -- 11
 369. 1920 -- Feb 6, steamer *Polias*, snowstorm, hits Old Cilley Ledge, Penobscot Bay ME-- 11
 370. 1921 -- Oct 30, storm, House of David schooner *Rosa Belle* Founders, mid-Lake MI-- 11
 371. 1943 -- Jan 20, US tanker *Brilliant* splits/sinks, gale, east of north Newfoundland -- 11
 372. 1943 -- Nov 24/25, storm, freighter *John P. Gaines* breaks-up 40M S of Chirikoff Isl., AK-- 11
 373. 1954 -- Aug 31, fisher *Redstart* breaks-up during Carol, out of New Bedford, MA -- 11
 374. 1962 -- Nov 15~, storm, New Bedford, MA scalloper *Midnight Sun* lost, Georges Bank--11
 375. 1984 -- July 07, sternwheel *SCItanic* capsizes in storm, TN Riv., Ditto’s Landing, AL-- 11
376. 1832 -- Oct 5, schooner *Eliza Whittlesey* capsizes, squall, Lake Erie off Ashtabula, OH--10
 377. 1848 -- Apr 18 schooner *Tribune* sinks, Lake Michigan gale, off Cathead Point, MI -- 10
 378. 1849 -- Oct 06, severe storm, Gloucester MA fishing schooner *Levi Woodbury* lost -- 10
 379. 1854 -- Nov 13, steamer *Bucephalus* sinks, Lake Huron storm, near Bird’s Creek, MI-- 10
 380. 1857 -- Nov 19? schr. *Radiant/Radiant* sinks, Lake Erie, gale?, bound for Oswego NY-- 10
 381. 1864 -- Nov 08, bark *Mojave* sinks, Lake Mich. betw. Sheboygan WI, Big Sable Pt. MI--10
 382. 1867 -- May 04, steamer *Main* capsized in storm on Lake Pontchartrain, LA -- 10
 383. 1871 -- Oct 03, hurricane, TX coast, steamer *C. K. Hall* lost off Cedar Point TX¹⁹⁴⁰ -- >10

¹⁹³⁹ At least one other death at sea -- from a fishing boat which foundered off Block Island, R.I.

Maritime events – Storms subset – by Mortality (continued):

384. 1874 -- Nov 22/23, schooner *William Sanderson* breaks-up, Lake MI storm off Empire, MI-- 7-10
1880 -- Oct 12, steambarge *Trader* waterlogged in storm/lost, Lake MI, off MI coast¹⁹⁴¹-- 0
385. 1884 -- June 27, schooner *Deborah H. Diverty* founders, storm, off Beck's Beach, NJ-- 10
386. 1885 -- Dec 4-6, schooner *Orphan Boy* grounds, Lake Mich. storm, Big Sable Pt., MI--7-10
387. 1893 -- Aug 24, storm, schooner *Empire State* sinks off Barnegat, NY -- 10
388. 1895 -- Apr 22, storm, Rappahannock River, Middlesex Co., Burham's Wharf, VA -- 10
389. 1902 -- Oct 13, storm, *C.B. Lockwood*, lifeboat lost, Lake Erie, off Fairport Harbor, OH-- 10
390. 1906 -- July 29, capsizing of gas sloop *Nora* (9) & gas launch *Alva B.* (1), Anglesea, NJ-- 10
391. 1907 -- Oct 22, Gloucester, MA fishing sch. *Clara G. Silva* loses five dories, storm -- 10
392. 1908 -- Jan 8, SF schooner *John F. Miller* grounds, gale, East Anchor Cove, Unimak Isl., AK-10
393. 1915 -- Apr 03, storm, Cumberland and two barges wreck, Cape Henlopen, DE -- 10
394. 1921 -- Nov 21, tug *Sea Eagle* hit by large wave in storm, Capsizes, ~Yaquina, OR -- 9-10
395. 1942 -- Jan 8, Army minelayer *General Richard Arnold* capsizes, storm off Isles of Shoals, NH-10
396. 1946 -- Sep 4, US freighter *David Caldwell* grounds, storm, Gironde Estuary, SW France-10
397. 1950 -- Apr 7-8, New Bedford MA scallop dragger *Four Sisters* lost E of Nantucket, MA --all 10
398. 1962 -- Mar 5-9, Nor'easter, fishing trawlers *Sonya* and *Karina T./9*, tanker *Gem/1* -- 10
399. 1978 -- Dec 10, MV *Holo Holo* (Univ. of HI) sinks, rough seas west of Kawaihae, HI-- 10
400. 1981 -- Nov 30, scallop trawler *St. Patrick* toppled by wave, abandoned, 5m E Marmot Isl., AK-10

Notable Other:

- 1957 -- June 27, Hurricane Audrey, fishing schooner *Keturah* down off coast of Galveston TX--9
- 1891 -- Oct 22, gale, fishing schooner *Red Wing* breaks in surf, near Indian Riv. Inlet, DE-- 6
- 1964 -- May 23-24, high wind, boat capsizes, Fontenelle Reservoir, Lincoln Co., SW WY-- all 6

¹⁹⁴⁰ Cross-listed under Hurricane.

¹⁹⁴¹ Listed in that several sources (McNeil, Swayze, newspapers at time) report ten or eleven deaths (all aboard). The *Great Lakes & Seaway Shipping News Archive*, however, notes that crew was rescued by the schooner *Guide*.

MARITIME Events – Submarine Attacks on Civilian Vessels – By Mortality

1. 1915 -- May 07, RMS *Lusitania* torpedoed, German sub (1,198 killed), Atlantic -- 128
2. 1942 -- June 15, passenger ship *Cherokee* sunk by U-boat, Atlantic ~50M off Boston, MA-- 86
3. 1944 -- July 2, Japanese sub captures US *Jean Nicolet* complement of 100 off Ceylon; murders most--76
4. 1943 -- June 10, tanker *Esso Gettysburg* torpedoed ~100M southeast of Savannah, GA-- 57
5. 1944 -- Apr 19, US Liberty ship *John Straub* explosion/sinks off Sanak Island, AK¹⁹⁴²--53-55
6. 1942 -- Nov 23, US tanker *Caddo* sunk by U-boat, east of Halifax, Nova Scotia --51-53
7. 1942 -- Sep 24, US freighter *John Winthrop* sunk by U-boat, N. Atlantic, for NY --all 52
8. 1942 -- Aug 17, US tanker *Louisiana* sunk by U-boat ~200M off Paramaribo, Suriname --49-50
9. 1942 -- Sep 19, US freighter *Wichita* sunk by U-boat ~75 miles south of Barbados --all 50
10. 1942 -- Feb 27, US tanker *R.P. Resor* sunk by U-boat ~20m east of Manasquan Inlet NJ-- 48

11. 1942 -- June 08, US freighter *Sicilien* sunk by U-boat ~10m so. of Cape Beata, Dom. Rep.-- 46
12. 1942 -- Jan 26, US freighter *West Ivis* sunk by U-boat, off Cape Hatteras, NC -- 45
13. 1942 -- June 9-10, US freighter *Merrimack* sunk by U-boat ~65m SE Cozumel Island --43-44
14. 1943 -- Apr 03, Gulf Oil tanker *Gulfstate* sunk by sub ~50m south Marathon Key, FL -- 43
15. 1942 -- Jan 19, US freighter *City of Atlanta* sunk, U-boat ~10m off NC SE of Manteo -- 43
16. 1942 -- June 05, US tanker *L.J. Drake* sunk by sub SE of Isla Saona, Dominican Rep. -- 41
17. 1942 -- Feb 20, US freighter *Lake Osweya* sunk by U-boat, Atlantic, off SW Nova Sc. --all 39
18. 1942 -- May 20, US tanker *Halo* sunk by U-boat ~15M south of Port Fourchon, LA -- 39
19. 1942 -- May 27, US freighter *Jack* sunk by U-boat ~100M SW of Port Salut, Haiti --37-39
20. 1942 -- Feb 21, US freighter *Azalea City* sunk by U-boat ~125 miles SE of Ocean City, MD-- 38
21. 1942 -- Apr 23, US tanker *Connecticut* sunk by German torpedo boat, so. Atlantic¹⁹⁴³ --36-38
22. 1942 -- Nov 07, US freighter *Nathaniel Hawthorne* sunk by sub ~40M NE Isla de Margarita-- 38
23. 1941 -- Dec 02, Amer. tanker *Astral* sunk by U-boat off coast of Lisbon, Portugal --all 37
24. 1942 -- Jan 15, UK tanker *Coimbra* (out of Bayonne, NJ), torpedoed by U-boat 50M so. Shinnecock L.I., NY-36
25. 1942 -- Mar 05, US freighter *Mariana* sunk by U-boat ~30M no. of east Turks Island --all 36
26. 1942 -- May 19, US freighter *Heredia* sunk by U-boat 2M SE of Ship Shoal Buoy, LA-35-36
27. 1941 -- Dec 7, cargo ship *Cynthia Olson* sunk by Japanese sub, Pacific, btw. Tacoma & Honolulu-35
28. 1942 -- Feb 06, US freighter *Major Wheeler* sunk by U-boat, ~130m off Cape Hatteras NC--35
29. 1942 -- Feb 22, US tanker *W.D. Anderson* sunk by U-boat off Jupiter Island, FL -- 35
30. 1942 -- June 29, US freighter *Ruth* sunk by U-boat, Caribbean, ~320M NNE Barbuda -- 35
31. 1942 -- Feb 02, US tanker *W.L. Steed* sunk, U-boat, ~90m off Delaware River mouth, DE-- 34
32. 1942 -- Mar 06, US freighter *Steel Age* sunk by sub, S. Atlantic ~130m NE Paramaribo, Suriname--34
33. 1942 -- Mar 22, American tanker *Muskogee* sunk by U-boat, northeast of Bermuda --all 34
34. 1942 -- Feb 22, US tanker *J.N. Pew* sunk by U-boat, Caribbean, ~225M west of Aruba-- 33
35. 1942 -- June 23, US tanker *Rawleigh Warner* sunk by U-boat south of East Bay, LA --all 33
36. 1942 -- June 28, US freighter *Tillie Lykes* sunk by sub ~100m so. Santo Domingo, Dom. Rep.--33
37. 1942 -- Apr 03, US freighter *Otho* sunk by U-boat ~200M east of Cape Henry, VA --31-32
38. 1942 -- June 01-2, US freighter *Illinois* sunk by U-boat ~400M NE of Puerto Rico --31-32
39. 1942 -- May 28, US freighter *Alcoa Pilgrim* sunk by U-boat ~150M so. of Mona Passage-- 31
40. 1942 -- Sep 24, US freighter *West Chetac* sunk by sub ~100m no. of Georgetown, Brit. Guiana--31
41. 1942 -- May 04, US tanker *Munger T. Ball* sunk by U-boat ~80M NW of Dry Tortugas, FL-30

¹⁹⁴² Some ambiguity. Some sources note a Japanese torpedo, others a Japanese mine, others just note an explosion.

¹⁹⁴³ This was not a submarine but a torpedo boat launched from an auxiliary cruiser.

MARITIME Events – **Submarine Attacks on Civilian Vessels** – **by Mortality** continued:

42. 1917 -- Apr 01, attack, U.S. Steamer *Aztec* hit by German sub torpedo, off France -- 29
43. 1942 -- Jan 19, US freighter *Norvana* sunk by U-boat ~50m north of Cape Hatteras NC-- 29
44. 1942 -- Apr 14, US freighter *Margaret* sunk by U-boat ~45 off Cape Hatteras, NC -- 29
45. 1942 -- June 2-3, US freighter *City of Alma* sunk by U-boat ~400m NE of San Juan PR-- 29
46. 1942 -- Jun 12, US passenger ship *Sixaola* sunk by U-boat ~50m off Bocas del Toro, Panama-- 29
47. 1942 -- Jan 18, US merchant stmr. *Frances Salman* sunk by U-boat off Cape Race, Nfld.--all 28
48. 1942 -- May 04, US tanker *Joseph M. Cudahy* torpedoed by U-boat ~Dry Tortugas Isl., FL- 27
49. 1942 -- May 12, US tanker *Virginia* sunk by sub. 1.5m off Southwest Pass, MS River, LA-- 27
50. 1942 -- Feb 04, US tanker *India Arrow* sunk by U-boat, ~20m SE of Cape May, NJ -- 26
51. 1942 -- Mar 07, passenger freighter *Barbara* sunk by sub ~9M NNE of Tortuga Isl., Dom. Rep.-26
52. 1942 -- Mar 29, passenger ship *City of New York* sunk, U-boat, ~40m off Cape Hatteras NC-24-26
53. 1942 -- Mar 13, US freighter *Colabee* U-boat torpedoed ~10M off Cape Guajaba, Cuba-- 25
54. 1942 -- July 9, anchored US tanker *Benjamin Brewster* torpedoed ~2.5M off Grand Isle, LA--25
55. 1942 -- July 30, US passenger ship *Robert E. Lee* sunk by sub ~50m SE MS. Riv. entrance, LA-25
56. 1944 -- Apr 16, US tanker *Pan Pennsylvania* torpedoed by U-boat ~200M east of NYC-- 25
57. 1942 -- Mar 23, US tanker *Naeco* torpedoed btw. Cape Lookout and Wilmington, NC -- 24
58. 1942 -- Apr 2, US freighter *David H Atwater* shelled/sunk, U-boat off Chincoteague Isl. VA--23-24
59. 1942 -- Mar 12, U.S. tanker *John D. Gill* torpedoed by U-boat, off Cape Fear, NC --19-23
60. 1943 -- Jan 09, US tanker *Broad Arrow* sunk by U-boat, ~100M north of Paramaribo -- 23
61. 1942 -- Jan 18, tanker *Allan Jackson* sunk by U-boat ~60m east-ne, Diamond Shoals, NC-- 22
62. 1942 -- May 26, American tanker *Carrabulle* sunk by U-boat, Gulf of Mexico -- 22
63. 1942 -- Mar 11, freighter *Caribsea* (NYC homeport) sunk by U-boat off Cape Lookout NC- 21
64. 1942 -- May 16, US tanker *Gulfoil* sunk by U-boat ~75M SW of MS Riv. Delta, Gulf -- 21
65. 1942 -- Feb 19, US tanker *Pan Massachusetts* sunk by U-boat ~20m off Cape Canaveral FL-- 20
66. 1942 -- Mar 14, US merchant vessel *Lemuel Burrows* torpedoed, off Atlantic City, NJ-- 20

67. 1917 -- Mar 21, attack, steamer *Healdton* torpedoed, German Sub, North Sea¹⁹⁴⁴ -- 19
68. 1942 -- Apr 08, US tanker *Oklahoma* sunk by U-boat ~10m off St. Simon's Island, GA-- 19
69. 1942 -- Apr 10, US tanker *Gulfamerica* torpedoed by U-boat ~5M off Jacksonville, FL-- 19
70. 1942 -- Apr 23, US freighter *Lammot Du Pont* sunk by U-boat ~500M no. of Bermuda-- 19
71. 1942 -- May 19, US freighter *Ogontz* sunk by U-boat ~70M SE of Cozumel Isl., Gulf of MX--19
72. 1942 -- June 28, US freighter *Raphael Semmes* sunk by sub so. of Bermuda, ~875m E of Cape Canaveral--19
73. 1942 -- Mar 10, U.S. tanker *Gulftrade* sunk by U-boat 3m off Barnegat Light, NJ -- 18
74. 1942 -- May 16, US tanker *William C. McTarnahan* torpedoed SW of Port Fourchon, LA--18
75. 1942 -- June 15-16, US freighter *Kahuku* sunk by U-boat, 70M west of Grenada --17-18
76. 1942 -- Jan 24, US collier *Venore* sunk by U-boat ~20m southeast of Cape Hatteras, NC-- 17
77. 1942 -- May 14, US tanker *David McKelvey* torpedoed ~35M south of MS Riv. mouth, LA--17
78. 1942 -- Mar 31, tug *Menominee* shelled/sunk by U-boat ~9.5m off Metompkin Inlet, VA-- 16
79. 1942 -- May 4, US freighter *Eastern Sword* sunk by U-boat, So. Atlantic, off Georgetown, Guyana-16
80. 1943 -- Nov 24, US freighter *Melville E Stone* sunk by U-boat ~100m NW of Cristobal CZ--15-16
81. 1917 -- Mar 16, steamer *Vigilancia* (NY to Archangel) torpedoed, German Sub¹⁹⁴⁵ -- 15

¹⁹⁴⁴ U.S. was not at war at the time. Congress declared war on April 6, 1917.

¹⁹⁴⁵ U.S. was not at war at the time. Congress declared war on April 6, 1917.

82. 1942 -- May 08, U.S. freighter *Ohioan* sunk by U-boat ~8M off Boynton Beach, FL -- 15
83. 1942 -- June 04, US freighter *Velma Lykes* sunk by U-boat ~20m off Puerto Juarez, MX-- 15
84. 1942 -- Jun 12, tanker *Cities Service Toledo* sunk by U-boat, Gulf, so. of Marsh Isl., LA-- 15
85. 1942 -- Feb 22, US tanker *Cities Service Empire* sunk by U-boat off Cape Canaveral FL-- 14
86. 1942 -- Apr 15, US freighter *Robin Hood* sunk by U-boat, Atlantic, ~300M off NJ -- 14
87. 1942 -- Apr 21, US passenger ship *San Jacinto* sunk by U-boat, Atlantic off NC/SC/GA coast-14
88. 1942 -- June 24, US tug *John R. Williams* hits mine laid by U-Boat off Cape May, NJ -- 14
89. 1942 -- Mar 19, U.S. tanker *W.E. Hutton* sunk by torpedo, Atlantic, off Beaufort, NC -- 13
90. 1942 -- May 13, US tanker *Gulfpenn* sunk by U-boat ~30M south of MS Riv. mouth, LA--13
91. 1942 -- June 03, US tanker *M.F. Elliott* sunk by U-boat ~150M northwest of Trinidad -- 13
92. 1943 -- Jan 09, US freighter *Collingsworth* sunk by sub, So. Atlantic ~100m NE of Paramaribo-12
93. 1945 -- May 05, Civilian US collier *Black Point* torpedoed, off Point Judith, RI -- 12
94. 1942 -- Mar 17, US tanker *Acme* torpedoed by U-boat ~1m west Diamond Shoals Light, NC--11
95. 1942 -- Mar 26, tanker *Dixie Arrow* torpedoed, U-boat off Diamond Shoals Buoy, NC-- 11
96. 1942 -- Apr 09, US tanker *Eugene V.R. Thayer* shelled/sunk by sub ~20m off No. Brazil-- 11
97. 1942 -- May 18, US freighter *Quaker City* sunk by U-boat ~300 miles east of Barbados-- 11
98. 1942 -- June 17, US freighter *Millinocket* sunk by U-boat off La Isabela, north Cuba -- 11
99. 1942 -- July 13, US tanker *R.W. Gallagher* sunk by U-boat, Gulf, SE of Morgan City, LA--10-11
100. 1942 -- July 30, US freighter *Cranford* sunk by U-boat ~250 miles E-SE of Barbados-- 11

MARITIME Events – **Submarine Attacks on Civilian Vessels** – **by Mortality** (continued):

101. 1941 -- Dec 19, US freighter *Prusa* sunk by Japanese sub ~150-300M so. of Honolulu-- 10
102. 1942 -- Mar 12, US freighter *Texan* sunk by U-boat off NE Cuba near Puerto Padre -- 10
103. 1942 -- Apr 05, US tanker *Byron D. Benson* sunk by U-boat 7.5M off Currituck Inlet, NC-10
104. 1942 -- Apr 11, tanker *Harry F. Sinclair Jr.* torpedoed by U-boat ~7M so. Cape Lookout NC-10
105. 1942 -- Apr 26, US freighter *Alcoa Partner* sunk by U-boat, Caribbean ~80m NNE of Bonaire-10
106. 1942 -- July 3, freighter *Alexander Macomb* sunk by U-boat ~175m east of Cape Cod, MA--10
107. 1942 -- Sep 16, US freighter *Commercial Trader* sunk by U-boat ~75M east of Trinidad-10
108. 1943 -- Jan 9, US freighter *Birmingham City* sunk by U-boat, So. Atlantic 100m NE of Paramaribo--10
109. 1943 -- Nov 23, US tanker *Elizabeth Kellogg* sunk by U-boat ~150m NW of Cristobal, Panama-10
110. 1943 -- Dec 3, US tanker *Touchet* sunk by U-boat, Gulf of MX, So. of Pensacola/W. of Naples, FL-- 10
111. 1944 -- Oct 29, US freighter *John A Johnson* torpedoed by Japanese sub, Pacific; crew shot-- 10

MARITIME Events – Submarine Attacks on Civilian Vessels – Chronological

1. 1915 -- May 07, RMS *Lusitania* torpedoed, German submarine (1,198 killed), Atlantic-- 128
2. 1917 -- Mar 16, steamer *Vigilancia* (NY to Archangel) torpedoed, German Sub¹⁹⁴⁶ -- 15
3. 1917 -- Mar 21, attack, steamer *Healdton* torpedoed, German submarine, North Sea¹⁹⁴⁷-- 19
4. 1917 -- Apr 01, attack, U.S. steamer *Aztec* hit by German sub torpedo, off France -- 29

5. 1941 -- Dec 02, Amer. tanker *Astral* sunk by U-boat off coast of Lisbon, Portugal --all 37
6. 1941 -- Dec 7, cargo ship *Cynthia Olson* sunk by Japanese sub, Pacific, btw. Tacoma & Honolulu-35
7. 1941 -- Dec 19, US freighter *Prusa* sunk by Japanese sub ~150-300M so. of Honolulu-- 10

8. 1942 -- Jan 15, UK tanker *Coimbra* (out of Bayonne, NJ), torpedoed by U-boat 50M so. Shinnecock L.I., NY-36
9. 1942 -- Jan 18, tanker *Allan Jackson* sunk by U-boat ~60m east-ne, Diamond Shoals, NC-- 22
10. 1942 -- Jan 18, US merchant stmr. *Frances Salman* sunk by U-boat off Cape Race, Nfld.--all 28
11. 1942 -- Jan 19, US freighter *City of Atlanta* sunk, U-boat ~10m off NC SE of Manteo -- 43
12. 1942 -- Jan 19, US freighter *Norvana* sunk by U-boat ~50m north of Cape Hatteras NC-- 29
13. 1942 -- Jan 24, US collier *Venore* sunk by U-boat ~20m southeast of Cape Hatteras, NC-- 17
14. 1942 -- Jan 26, U.S. freighter *West Ivis* sunk by U-boat, off Cape Hatteras, NC -- 45

15. 1942 -- Feb 02, US tanker *W.L. Steed* sunk, U-boat, ~90m off Delaware Riv. mouth, DE -- 34
16. 1942 -- Feb 04, US tanker *India Arrow* sunk by U-boat, ~20m SE of Cape May, NJ -- 26
17. 1942 -- Feb 06, US freighter *Major Wheeler* sunk by U-boat, ~130m off Cape Hatteras NC--35
18. 1942 -- Feb 19, US tanker *Pan Massachusetts* sunk by U-boat ~20m off Cape Canaveral FL-- 20
19. 1942 -- Feb 20, US freighter *Lake Osweya* sunk by U-boat, Atlantic, off SW Nova Sc. --all 39
20. 1942 -- Feb 21, US freighter *Azalea City* sunk by U-boat ~125 miles SE of Ocean City, MD-- 38
21. 1942 -- Feb 22, US tanker *Cities Service Empire* sunk by U-boat off Cape Canaveral FL-- 14
22. 1942 -- Feb 22, US tanker *J.N. Pew* sunk by U-boat, Caribbean, ~225M west of Aruba-- 33
23. 1942 -- Feb 22, US tanker *W.D. Anderson* sunk by U-boat off Jupiter Island, FL -- 35
24. 1942 -- Feb 27, US tanker *R.P. Resor* sunk by U-boat ~20m east of Manasquan Inlet NJ-- 48

25. 1942 -- Mar 05, US freighter *Mariana* sunk by U-boat ~30M no. of east Turks Island --all 36
26. 1942 -- Mar 06, US freighter *Steel Age* sunk by sub, S. Atlantic ~130m NE Paramaribo, Suriname--34
27. 1942 -- Mar 07, passenger freighter *Barbara* sunk by sub ~9M NNE of Tortuga Isl., Dom. Rep.-26
28. 1942 -- Mar 10, U.S. tanker *Gulftrade* sunk by U-boat 3m off Barnegat Light, NJ -- 18
29. 1942 -- Mar 11, freighter *Caribsea* (NYC homeport) sunk by U-boat off Cape Lookout NC- 21
30. 1942 -- Mar 12, US freighter *Texan* sunk by U-boat off NE Cuba near Puerto Padre -- 10
31. 1942 -- Mar 12, U.S. tanker *John D. Gill* torpedoed by U-boat, off Cape Fear, NC --19-23
32. 1942 -- Mar 13, US freighter *Colabee* U-boat torpedoed ~10M off Cape Guajaba, Cuba-- 25
33. 1942 -- Mar 14, US merchant vessel *Lemuel Burrows* torpedoed, off Atlantic City, NJ-- 20
34. 1942 -- Mar 17, US tanker *Acme* torpedoed by U-boat ~1m west Diamond Shoals Light, NC--11
35. 1942 -- Mar 19, U.S. tanker *W.E. Hutton* sunk by torpedo, Atlantic, off Beaufort, NC -- 13
36. 1942 -- Mar 22, American tanker *Muskogee* sunk by U-boat, northeast of Bermuda --all 34
37. 1942 -- Mar 23, US tanker *Naeco* torpedoed btw. Cape Lookout and Wilmington, NC -- 24
38. 1942 -- Mar 26, tanker *Dixie Arrow* torpedoed, U-boat off Diamond Shoals Buoy, NC-- 11

¹⁹⁴⁶ U.S. was not at war at the time. Congress declared war on April 6, 1917.

¹⁹⁴⁷ U.S. was not at war at the time. Congress declared war on April 6, 1917.

39. 1942 -- Mar 29, passenger ship *City of New York* sunk, U-boat, ~40m off Cape Hatteras NC-24-26
 40. 1942 -- Mar 31, tug *Menominee* shelled/sunk by U-boat ~9.5m off Metompkin Inlet, VA-- 16

MARITIME Events—Submarine Attacks on Civilian Vessels – Chronological (continued):

41. 1942 -- Apr 2, US freighter *David H Atwater* shelled/sunk, U-boat off Chincoteague Isl. VA--23-24
 42. 1942 -- Apr 03, US freighter *Otho* sunk by U-boat ~200M east of Cape Henry, VA --31-32
 43. 1942 -- Apr 05, US tanker *Byron D. Benson* sunk by U-boat 7.5M off Currituck Inlet, NC-- 10
 44. 1942 -- Apr 08, U.S. tanker *Oklahoma* sunk by U-boat ~10m off St. Simon's Isl., GA -- 19
 45. 1942 -- Apr 09, US tanker *Eugene V.R. Thayer* shelled/sunk by sub ~20m off N. Brazil-- 11
 46. 1942 -- Apr 10, US tanker *Gulfamerica* torpedoed by U-boat ~5M off Jacksonville, FL-- 19
 47. 1942 -- Apr 11, tanker *Harry F. Sinclair Jr.* torpedoed by U-boat ~7M so. Cape Lookout, NC--10
 48. 1942 -- Apr 14, US freighter *Margaret* sunk by U-boat ~45 off Cape Hatteras, NC -- 29
 49. 1942 -- Apr 15, US freighter *Robin Hood* sunk by U-boat, Atlantic, ~300M off NJ -- 14
 50. 1942 -- Apr 21, US passenger ship *San Jacinto* sunk by U-boat, Atlantic off NC/SC/GA coast-14
 51. 1942 -- Apr 23, US freighter *Lammot Du Pont* sunk by U-boat ~500M no. of Bermuda-- 19
 52. 1942 -- Apr 23, US tanker *Connecticut* sunk by German torpedo boat, so. Atlantic --36-38
 53. 1942 -- Apr 26, US freighter *Alcoa Partner* sunk by U-boat, Caribbean ~80m NNE of Bonaire--10
54. 1942 -- May 4, US freighter *Eastern Sword* sunk by U-boat, So. Atlantic, off Georgetown, Guyana-16
 55. 1942 -- May 04, US tanker *Joseph M. Cudahy* torpedoed by U-boat ~Dry Tortugas Isl., FL-27
 56. 1942 -- May 04, US tanker *Munger T. Ball* sunk by U-boat ~80M NW of Dry Tortugas, FL-30
 57. 1942 -- May 08, US freighter *Ohioan* sunk by U-boat ~8M off Boynton Beach, FL -- 15
 58. 1942 -- May 12, US tanker *Virginia* sunk by sub. 1.5m off Southwest Pass, MS River, LA-- 27
 59. 1942 -- May 13, US tanker *Gulfpenn* sunk by U-boat ~30M south of MS Riv. mouth, LA--13
 60. 1942 -- May 14, US tanker *David McKelvey* torpedoed ~35M south of MS Riv. mouth, LA--17
 61. 1942 -- May 16, US tanker *Gulfoil* sunk by U-boat ~75M SW of MS Riv. Delta, Gulf -- 21
 62. 1942 -- May 16, US tanker *William C. McTarnahan* torpedoed SW of Port Fourchon, LA-- 18
 63. 1942 -- May 18, US freighter *Quaker City* sunk by U-boat ~300 miles east of Barbados -- 11
 64. 1942 -- May 19, US freighter *Heredia* sunk by U-boat 2M SE of Ship Shoal Buoy, LA-35-36
 65. 1942 -- May 19, US freighter *Ogontz* sunk by U-boat ~70M SE of Cozumel Isl., Gulf of MX--19
 66. 1942 -- May 20, US tanker *Halo* sunk by U-boat ~15M south of Port Fourchon, LA -- 39
 67. 1942 -- May 26, American tanker *Carrabulle* sunk by U-boat, Gulf of Mexico -- 22
 68. 1942 -- May 27, US freighter *Jack* sunk by U-boat ~100M SW of Port Salut, Haiti --37-39
 69. 1942 -- May 28, US freighter *Alcoa Pilgrim* sunk by U-boat, Carib. ~150M so. of Mona Passage-31
70. 1942 -- June 01-2, US freighter *Illinois* sunk by U-boat ~400M NE of Puerto Rico --31-32
 71. 1942 -- June 02-3, US freighter *City of Alma* sunk by U-boat ~400m NE of San Juan PR-- 29
 72. 1942 -- June 03, US tanker *M.F. Elliott* sunk by U-boat ~150M northwest of Trinidad -- 13
 73. 1942 -- June 04, US freighter *Velma Lykes* sunk by U-boat ~20m off Puerto Juarez, MX-- 15
 74. 1942 -- June 05, US tanker *L.J. Drake* sunk by sub SE of Isla Saona, Dominican Rep.-- 41
 75. 1942 -- June 08, US freighter *Sicilien* sunk by U-boat ~10m so. of Cape Beata, Dom. Rep.-- 46
 76. 1942 -- June 9-10, US freighter *Merrimack* sunk by U-boat ~65m SE Cozumel Island --43-44
 77. 1942 -- June 12, tanker *Cities Service Toledo* sunk by U-boat, Gulf, so. of Marsh Isl., LA-- 15
 78. 1942 -- June 12, US passenger ship *Sixaola* sunk by U-boat ~50m off Bocas del Toro, Panama-29
 79. 1942 -- June 15, passenger ship *Cherokee* sunk by U-boat, Atlantic ~50M off Boston, MA-- 86

80. 1942 -- June 15-16, US freighter *Kahuku* sunk by U-boat, 70M west of Grenada --17-18
 81. 1942 -- June 17, US freighter *Millinocket* sunk by U-boat off La Isabela, north Cuba -- 11
 82. 1942 -- June 23, US tanker *Rawleigh Warner* sunk by U-boat south of East Bay, LA --all 33
 83. 1942 -- June 24, US tug *John R. Williams* hits mine laid by U-Boat off Cape May, NJ -- 14
 84. 1942 -- June 28, US freighter *Tillie Lykes* sunk by sub ~100m so. Santo Domingo, Dom. Rep.- 33
 85. 1942 -- June 28, US freighter *Raphael Semmes* sunk by sub so. of Bermuda, ~875m E of Cape Canaveral- 19
 86. 1942 -- June 29, US freighter *Ruth* sunk by U-boat, Caribbean, ~320M NNE Barbuda -- 35

MARITIME Events—**Submarine Attacks on Civilian Vessels** – **Chronological** (continued):

87. 1942 -- July 3, freighter *Alexander Macomb* sunk by U-boat ~175m east of Cape Cod, MA--10
 88. 1942 -- July 9, anchored US tanker *Benjamin Brewster* torpedoed ~2.5M off Grand Isle, LA--25
 89. 1942 -- July 13, US tanker *R.W. Gallagher* sunk by U-boat, Gulf, SE of Morgan City, LA--10-11
 90. 1942 -- July 30, US freighter *Cranford* sunk by U-boat ~250 miles E-SE of Barbados -- 11
 91. 1942 -- July 30, US passenger ship *Robert E. Lee* sunk by sub ~50m SE MS. Riv. entrance, LA-25
92. 1942 -- Aug 17, US tanker *Louisiana* sunk by U-boat ~200M off Paramaribo, Suriname--49-50
 93. 1942 -- Sep 16, US freighter *Commercial Trader* sunk by U-boat ~75M east of Trinidad-- 10
 94. 1942 -- Sep 19, US freighter *Wichita* sunk by U-boat ~75 miles south of Barbados --all 50
 95. 1942 -- Sep 24, US freighter *John Winthrop* sunk by U-boat, N. Atlantic, for NY --all 52
 96. 1942 -- Sep 24, US freighter *West Chetac* sunk by sub ~100m no. of Georgetown, Brit. Guiana--31
 97. 1942 -- Nov 07, US freighter *Nathaniel Hawthorne* sunk by sub ~40M NE Isla de Margarita-- 38
 98. 1942 -- Nov 23, US tanker *Caddo* sunk by U-boat, east of Halifax, Nova Scotia --51-53
99. 1943 -- Jan 9, US freighter *Birmingham City* sunk by U-boat, So. Atlantic 100m NE of Paramaribo-10
 100. 1943 -- Jan 09, US tanker *Broad Arrow* sunk by U-boat, ~100M north of Paramaribo-- 23
 101. 1943 -- Jan 9, US freighter *Collingsworth* sunk by sub, So. Atlantic ~100m NE of Paramaribo-12
 102. 1943 -- Apr 03, Gulf Oil tanker *Gulfstate* sunk by sub ~50m south Marathon Key, FL-- 43
 103. 1943 -- June 10, tanker *Esso Gettysburg* torpedoed ~100M southeast of Savannah, GA-- 57
 104. 1943 -- Nov 23, US tanker *Elizabeth Kellogg* sunk by U-boat ~150m NW of Cristobal, Panama-10
 105. 1943 -- Nov 24, US freighter *Melville E Stone* sunk by U-boat ~100m NW of Cristobal CZ-15-16
 106. 1943 -- Dec 3, US tanker *Touchet* sunk by U-boat, Gulf of MX, So. of Pensacola/W. of Naples, FL-- 10
107. 1944 -- Apr 16, US tanker *Pan Pennsylvania* torpedoed by U-boat ~200M east of NYC--25
 108. 1944 -- Apr 19, US Liberty ship *John Straub* explosion/sinks off Sanak Island, AK¹⁹⁴⁸53-55
 109. 1944 -- Jul 2, Japanese sub captures US *Jean Nicolet* complement of 100 off Ceylon; murders most-76
 110. 1944 -- Oct 29, US freighter *John A Johnson* torpedoed by Japanese sub, Pacific; crew shot--10
111. 1945 -- May 05, Civilian US collier *Black Point* torpedoed, off Point Judith, RI -- 12

¹⁹⁴⁸ Some ambiguity. Some sources note a Japanese torpedo, others a Japanese mine, others just note an explosion.

MARITIME Disasters -- "OTHER" Subset -- By Mortality

1. 1988 -- July 3, USS *Vincennes* missile cruiser **shoots down Iran Air 655**, Persian Gulf¹⁹⁴⁹- 290
2. 1811 -- Dec 16-Feb 7, 1812, **New Madrid Earthquakes**, Mississippi River boats -- ~200
3. 1963 -- Apr 10, **implosion**, USS *Thresher* submarine sinks, off Cape Cod, MA -- 129
4. 1968 -- May 21, last com., US nuclear submarine **Scorpion**, **on bottom** 400M W. of Azores-- 99
5. 1943 -- Dec 2, **Germans bomb Bari, Italy**; US freighter **John Harvey** **hit/mustard gas** cargo¹⁹⁵⁰ ≥83
6. 1942 -- July 30, last communication, US submarine *Grunion*, off Kiska Island, AK¹⁹⁵¹-- 70
7. 1916 -- Aug 29, cruiser USS *Memphis* driven to shore by **Giant Waves**, Dom. Rep. -- 41
8. 1987 -- May 17, USS *Stark* **hit by Iraqi Air Force Mirage missiles**, Persian Gulf¹⁹⁵² -- 37
9. 1846 -- June 27, brig *Sutley*, Pictou N.S. to fall River **wrecks** [?], Vineyard Sound, MA-- 30
10. 1892 -- Oct 06, LA CA whaling bark *Helen Mar* **crushed by icebergs**, Chukchi Sea, AK-- 27
11. 1803 -- March, **massacre**, crew of American ship *Boston*, Nootka, Vancouver Island¹⁹⁵³-- 25
12. 1875 -- Nov 18, OR schooner *Sunshine* **found bottom-up**, Cape Disappointment, WA¹⁹⁵⁴-- 25
13. 1867 -- Dec 31, steamer *Henry Ames* **guards fail while unloading**, New Orleans, LA -- ~20
14. 1891 -- Mar 24, **shipwreck** [?], steamer *Strathairly*, Chicamacomico, NC -- 19
15. 1944 -- May 14-21, heavy seas, sleeping **Marines** in LCT **pitched overboard** off *LST-485*, HI-- 19
16. 1918 -- Aug 27, USS SC-209 sub chaser **sunk** by USCG, S. of Long Island, NY --17-18
17. 1919 -- Dec 17, **shipwreck** [?], schooner *Sunbeam*, off Currituck, NC -- 18
18. 1894 -- Apr 10, schooners *Albert W. Smith* and *Kate Markee* **wrecked** [?], NJ Coast -- 16
19. 1897 -- Aug 12, whaler *Navarch* **caught in ice**, abandoned off Blossom Shoals, AK --13-16
20. 1975 -- May 14, **attack**, USS *Mayaguez*, Khmer Rouge, Koh Tang Island, Cambodia -- 16
21. 1838 -- Nov 19, drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
22. 1864 -- Jan 23, schooner *Dashaway* **wrecks** [?], Cape Mendocino, CA -- 14
23. 1867 -- Jan-Feb, Amer. bark *John Bright* strands near Nootka Isl., BC, **crew murdered**-- 14
24. 1886 -- Nov 19, barges *Menekaunee & Marinette* **wreck** [?], Lake MI., ~Frankfort, MI-- 14
25. 1889 -- Mar 16, Portland, ME bark *E.L. Pettengill*, **wrecks** [?], Chesapeake Bay -- 14
26. 1893 -- Oct 3, schnr. *Mary Brown* leaves Sand Point, AK for SF CA; **wreck** found ~Kennedy Isl., BC¹⁹⁵⁵-- ~14
27. 1981 -- May 26, USN EA-68 Prowler **crash**, USS *Nimitz*, off Jacksonville, FL -- 14
28. 1863 -- Feb 22, tug *Merrimac* **wrecks** [?], Humboldt Bar, CA -- 13
29. 1883 -- Apr 11, steamer *Geo. W. Wylly* **hits pier/sinks**, Chattahoochee Riv., Fort Gaines, GA-- 13
30. 1787 -- Dec, last week; **crewmembers** from previously captured **Maine sloop Squirrel murdered** by Algerians-- 11
31. 1884 -- June 8, **ferry boat goes over falls**, drownings, Thompson's falls, MT -- 11
32. 1841 -- Oct 23? schooner *Post Boy* lost/powder explos. ?/gale?, Lake MI, 15m off Kalamazoo, MI--~10
33. 1882 -- Jan 22, **shipwreck** [?], bark *F.L. Carney*, South Hatteras Inlet, NC -- 8-10
34. 1909 -- Dec 23, schooner *Susie M. Plummer* **abandoned**, Cape Flattery, WA -- 10
35. 1979 -- Dec 05, Canadian gillnet fishing boat *Salinta* found ashore at Tree Point, AK -- 10

¹⁹⁴⁹ No Americans killed. An American disaster in the sense that a US Navy vessel, in Iranian territorial waters, shot down Iranian passenger airliner without definitive knowledge that target was a military one representing a threat. Retrieved onboard screen shots showed that target had been identified with a civilian transponder code, at high altitude and ascending, rather than descending, as was claimed at the time. Cross-listed in Maritime.

¹⁹⁵⁰ At least 83 people died from mustard gas poisoning; 90% of these U.S. Merchant Mariners from several ships.

¹⁹⁵¹ Stevens argues in *Fatal Dive* (2012) that she was hit by her own torpedo after missing target and circling back.

¹⁹⁵² Cross-listed in Violence -- Attacks.

¹⁹⁵³ Cross-listed in Violence – Massacres of Whites by Natives.

¹⁹⁵⁴ It is not known what happened to the *Sunshine*.

¹⁹⁵⁵ The wrecked boat was found many months later, but cause of loss or where not known – storm?, hit rocks?

MINING, Quarrying, Tunneling Events – Deadliest American -- By Mortality

1. 1907 -- Dec 06, Fairmont Coal mines 6 & 8 gas/dust explosions, Monongah WV --400-550
2. 1913 -- Oct 22, Stag Canon No. 2 coal mine over-blast & dust explosion, Dawson NM-- 263
3. 1909 -- Nov 13, Cherry Mine (St. Paul Coal Co. No. 2), fire, Cherry Hill, IL -- 259
4. 1907 -- Dec 19, Darr Coal Mine (Jacobs Creek) explosion, Monessen, PA -- 239
5. 1900 -- May 1, winter Quarters 1 & 4 coal mine powder/dust explosions, Scofield, UT--~231
6. 1902 -- May 19, Fraterville Coal Mine explosion, Coal Creek, TN --184-227
7. 1928 -- May 19, Pickands-Mather Coal Mine, gas and dust explosion, Mather, PA -- 195
8. 1914 -- Apr 28, New River Coal Mine Nos. 5 & 6 gas & dust explosions, Eccles, WV -- 183
9. 1904 -- Jan 25, Harwick Coal Mine blast and coal dust explosion, near Cheswick, PA -- 181
10. 1924 -- Mar 08, Castle Gate #2 Coal Mine gas & dust explosions, Castle Gate, UT -- 172

11. 1903 -- June 30, Hanna No. 1 coal mine explosion, Hanna, WY -- 169
12. 1917 -- June 08, Granite Mountain Speculator copper mine shaft fire, Butte, MT --161-168
13. 1905 -- Feb 20, coal mine explosion, Virginia City, AL -- 160
14. 1908 -- Nov 28, Rachel and Agnes Coal Mine dust explosion, Marianna, PA --153-154
15. 1911 -- Apr 08, Banner Coal Mine explosion, Pratt Consolidated, Littleton, AL --128-129
16. 1917 -- Apr 27, Hastings Coal Mine explosion, near Trinidad, CO -- 121
17. 1923 -- Feb 08, Stag Canon #1 coal mine electrical arcs & dust explosion, Dawson, NM--120
18. 1915 -- Mar 02, Layland # 3 Coal Mine explosion, New River Canyon, WV -- 119
19. 1924 -- Apr 28, coal mine gas explosion (killing all inside), Benwood, WV -- 119
20. 1951 -- Dec 21, New Orient Coal Mine #2 electric spark/gas explosion, West Frankfort IL-119
21. 1912 -- Apr 23, Pittsburgh Coal Co., Cincinnati Mine, explosion, Finleyville, PA -- 115
22. 1902 -- July 10, Rolling Mill Coal Mine explosion, Johnstown, PA -- 113
23. 1884 -- Mar 13, Laurel Coal Mine explosion, Pocahontas, VA -- 112
24. 1927 -- Apr 30, Federal No. 3 Coal Mine explosion, Everettville, WV -- 111
25. 1947 -- Mar 25, blasting causes dust explosion, Centralia No. 5 Coal Mine ~Centralia IL-- 111
26. 1869 -- Sep 06, Avondale Coal Mine fire, Plymouth, PA -- 110
27. 1891 -- Jan 27, "fire damp" gas explosion, Mammoth coal mine No.1, Mammoth, PA -- ≥109
28. 1892 -- Jan 07, Osage Coal Mine No. 11, blasting explodes gas/dust, Krebs, OK -->75-100
29. 1908 -- Dec 30, coal mine explosion, Ennis, WV -- 100
30. 1911 -- Dec 09, Cross Mountain Coal Mine explosion, Briceville, TN -- 100

31. 1923 -- Aug 14, Frontier No. 1 Coal Mine explosion, Kemmerer, WY -- 99
32. 1913 -- Apr 23, Cincinnati Coal Mine explosion, Finleyville, PA -- 98
33. 1919 -- June 5, Baltimore Tunnel No. 2 Coal Mine explosion, Wilkes-Barre, PA --92-93
34. 1926 -- Jan 13, No. 21 Coal Mine explosion, Wilburton, OK -- 91
35. 1940 -- Jan 10, Pond Creek Coal Mine explosion, Bartley, WV -- 91
36. 1972 -- May 02, Sunshine Silver Mine fire and CO gas asphyxiation, Kellogg, ID -- 91
37. 1922 -- Nov 22, Dolomite No. 3 Coal Mine explosion, Dolomite, AL -- 90

38. 1907 -- Jan 29, Stuart Colliery Coal Mine explosion, Stuart, WV -- 85
39. 1910 -- May 5, Coal Mine No. 3 explosion, Palos/Birmingham, AL -- 84
40. 1930 -- Nov 05, Sunday Creek Coal Mine No. 6 methane explosion,, Millfield, OH -- 82
41. 1912 -- Mar 26, Jed Coal Mine explosion, Jed , WV -- 81

MINING, Quarrying & Tunneling – By Mortality (continued):

42.	1910 -- Nov 08, Victor American No. 3 Coal Mine explosion, Delagua, CO	--	79
43.	1922 -- Nov 06, Reilly No. 1 coal mine explosion, Spangler, PA	--	79
44.	1968 -- Nov 20, Consol #9 Coal Mine explosion, Farmington, WV	--	78
45.	1867 -- Apr 03, Bright Hope Mine gas explosion, Chesterfield Co., Winterpock, VA	--69-	75
46.	1943 -- Feb 27, gas explosion, Smith Coal Mine #3, Bearcreek-Washoe area, MT ¹⁹⁵⁶	--74-	75
47.	1910 -- Jan 31, explosion, Primero "A" Coal Mine, Primero, CO	--	75
48.	1883 -- Feb 16, Diamond Coal Mine roof collapse & flooding, Braidwood, IL	--69-	74
49.	1911 -- Apr 07, fire, Price-Pancoast Coal Mine, Throop, PA	--	73
50.	1912 -- Mar 20, explosion, San Bois No. 2 Coal Mine, McCurtain, OK	--	73
51.	1940 -- Mar 16, Hanna Coal Co. Willow Grove #10 mine explosion, ~St. Clairsville, OH	--	72
52.	1909 -- Jan 12, explosion, Pocahontas Coal Mine, Lick Branch, WV	--	67
53.	1944 -- July 05, fire, Powhatan No. 1 Coal Mine, Powhatan Point, OH	--	66
54.	1940 -- July 15, coal mine explosion, Sonman, Portage Township, Cambria Co., PA	--	63
55.	1917 -- Aug 04, explosion, West Kentucky No. 7 Coal Mine, Clay, KY	--	62
56.	1929 -- Dec 17, explosion, Old Town Coal Mine, McAlester, OK	--	61
57.	1895 -- Mar 20, explosion, coal mine, Red Canyon, near Evanston, WY	--	60
58.	1884 -- Jan 24, explosion, coal mine, Crested Butte, CO	--	59
59.	1908 -- Mar 28, explosion, Hanna No. 1 Coal Mine, Hanna, WY	--	59
60.	1896 -- Jun 28, roof collapse and flood, Twin Shaft Coal Mine, Pittston, PA	--	58
61.	1907 -- Dec 16, "windy shot" & dust explosion, Yolande No. 1 Coal Mine, Yolande, AL	~57	
62.	1910 -- Oct 08, coal mine dust explosion, Colorado Fuel Company, Starkville, CO	--	56
63.	1942 -- May 12, explosion, Christopher No. 3 Coal Mine, Osage, WV	--	56
64.	1855 -- Mar 19, explosion, coal mine, Midlothian, VA	--	55
65.	1932 -- Dec 24, coal mine methane gas explosion, Moweaqua, Shelby County, IL	--	54
66.	1839 -- Mar 18, Black Heath Coal Mine methane gas explosion, near Richmond, VA	--40-	53
67.	1909 -- Jan 20, magazine explosion, water tunnel crib fire, Lake Mich., ~ Chicago, IL	--	53
68.	1925 -- May 27, explosion, Carolina Coal Mine, Farmville (now Coal Glen), NC	--	53
69.	1925 -- Dec 10, explosion, Overton No. 2 Coal Mine, Irondale, AL	--	53
70.	1914 -- Oct 27, explosion, North No. 1 Coal Mine, Royalton, IL	--	52
71.	1925 -- Feb 20, explosion, City Coal Mine, Sullivan, IN	--	52
72.	1926 -- Nov 03, flood, Barnes Hecker Iron Mine, Ishpeming, MI	--	51
73.	1896 -- Feb 18, explosion, Vulcan Coal Mine, New Castle, CO	--	49
74.	1905 -- Apr 03, explosion, Zeigler Coal Mine, Zeigler, IL	--	49
75.	1922 -- Aug 27, fire, Argonaut Gold Mine, Jackson, CA	--	47
76.	1900 -- Mar 06, explosion, Red Ash Coal Mine, New River Canyon, WV	--	46
77.	1929 -- Mar 21, explosion, Kinloch Coal Mine, Parnassus, PA	--	46
78.	1892 -- May 10, Roslyn Coal Mine No. 2 gas explosion, Roslyn, WA	--all	45
79.	1938 -- Apr 22, explosion, Keen Mountain Coal Mine, Hanger, VA	--	45
80.	1926 -- Aug 26, explosion, Clymer No. 1 Coal Mine, Clymer, PA	--	44
81.	1924 -- Feb 05, flooding, Milford Iron Ore Mine, Crosby, MN	--	41

¹⁹⁵⁶ Difference between 74 and 75 has to do with the death of a rescuer several weeks later from his gas exposure.

82. 1888 -- Nov 09, explosion, Coal Mine Shaft No. 2, Frontenac, KS -- 40
 83. 1910 -- Apr 20, explosion, Mulga Coal Mine, Mulga, AL -- 40

MINING, Quarrying & Tunneling – By MORTALITY (continued):

84. 1886 -- Jan 21, explosion, Newburg Coal Mine, Newburg, WV -- 39
 85. 1895 -- Dec 19, explosion, Cumnock Coal Mine, Cumnock, NC -- 39
 86. 1924 -- Sep 16, explosion, Sublet No. 5 Coal Mine, Sublet, WY -- 39
 87. 1881 -- Mar 04, coal mine explosion, Almy, WY -- 38
 88. 1932 -- Feb 27, Boissevain Coal Mine explosion, Boissevain, VA -- 38
 89. 1970 -- Dec 30, Finley Coal Co. No. 15 & 16 explosion ignites coal dust, Hyden, KY -- 38
 90. 1869 -- Apr 07, fire, Kentucky-yellow Jacket Gold Mine, Gold Hill, NV -- 37
 91. 1894 -- Aug 24, fire, Franklin Coal Mine, asphyxiation, Franklin, WA -- 37
 92. 1910 -- Mar 02, powder explosion, Alaska-Mexico Gold Mine, Treadwell, AK -- 37
 93. 1913 -- Dec 16, explosion, Vulcan Coal Mine, New Castle, CO -- 37
 94. 1926 -- Dec 09, explosion, Francisco No. 2 Coal Mine, Francisco, IN -- 37
 95. 1957 -- Feb 04, Pocahontas Fuel Co. coal mine No. 34 gas explosion, Bishop, VA/WV-- 37
 96. 1962 -- Dec 06, coal mine gas and dust explosions, Robena No. 3, Carmichaels, PA -- 37
 97. 1906 -- Oct 03, explosion, Pocahontas Coal Mine, Pocahontas, VA -- 36
 98. 1924 -- Jan 26, explosion, Lancashire No. 18 Coal Mine, Shanktown, PA -- 36
 99. 1902 -- July 15, Daly-West lead/silver mine explosion/asphyxiations, Park City, UT -- 34
 100. 1907 -- Dec 01, explosion, Naomi Coal Mine, Fayette City, PA -- 34
 101. 1910 -- Feb 01, explosion, Browder Coal Mine, Browder, KY -- 34
 102. 1937 -- Oct 15, explosion, Mulga Coal Mine, Mulga, AL -- 34
 103. 1942 -- Jan 27, explosion, Wadge Coal Mine, Mount Harris, CO -- 34
 104. 1924 -- Jan 25, explosion, McClintock Coal Mine, Johnston City, IL -- 33
 105. 1925 -- Mar 17, explosion, Bethlehem Mines Coal Mine, Barrackville, WV -- 33
 106. 1882 -- Feb 03, explosion, Midlothian Coal Mine, Coalfield, VA -- 32
 107. 1890 -- June 16, fire, Hill Farm Coal Mine, Dunbar, PA -- 31
 108. 1899 -- Dec 09, explosion, Carbon Hill No. 7 Coal Mine, Carbonado, WA -- 31
 109. 1915 -- Nov 16, dust explosion, Pacific Northwestern Coal Mine, Ravensdale, WA -- 31
 110. 1940 -- Nov 29, explosion, OH-PA Coal Co. Nelms No. 1 Mine, Cadez, OH -- 31
 111. 1942 -- Mar 26, asphyxiation, Sandts Eddy Limestone Quarry, Allentown, PA -- 31
 112. 1879 -- Nov 18, gas explosions, Railroad Tunnel No. 3, near San Jose, CA -- ~30
 113. 1895 -- Sep 07, fire, Osceolo Copper Mine Level 27, Calumet, MI -- 30
 114. 1895 -- Dec 20, explosion, Nelson Coal Mine, Dayton, TN -- 30
 115. 1916 -- Nov 04, explosion, Bessie Coal Mine Palos, AL -- 30
 116. 1930 -- Oct 27, explosion, Wheatley No. 4 Coal Mine, McAlester, OK -- 30
117. 1908 -- Aug 26, fire, Hailey-Oklahoma No. 1 Coal Mine, Haileyville, OK -- 29
 118. 2010 -- Apr 05, gas explosion, Upper Big Branch Coal Mine, Montcoal, WV -- 29
119. 1885 -- Dec 18, water breach/quicksand, Nanticoke Coal Mine # 1 Nanticoke, PA --26-28
 120. 1890 -- May 15, explosion, Jersey No. 8 Coal Mine, Ashley, PA -- 28
 121. 1893 -- Sep 28, flooding, Mansfield Iron Mine, Crystal falls, MI -- 28
 122. 1901 -- Nov 20, external fire/suffocation, Smuggler-Union Gold/Sil. Mine, Pandora CO--28

- 123. 1931 -- Jan 28, gas explosion, Little Betty Coal Mine, Dugger, near Linton, IN -- 28
- 124. 1939 -- July 14, explosion, Duvin Coal Mine, Providence, KY -- 28
- 125. 1943 -- Aug 28, explosion, Sayreton No. 2 Coal Mine, Sayreton, AL -- 28

MINING, Quarrying, Tunneling Events – By MORTLITY (continued):

- 126. 1916 -- Feb 11, explosion, Ernest No. 2 Coal Mine, Ernest, PA -- 27
- 127. 1923 -- Nov 06, explos., Raleigh-Wyoming, Glen Rogers coal mine, Beckley WV -- 27
- 128. 1926 -- Jan 29, explosion, Mossboro No. 1 Coal Mine, Helena, AL -- 27
- 129. 1926 -- Oct 04, explosion, Rockwood Coal Mine, Rockwood, TN -- 27
- 130. 1947 -- July 24, Old Ben No. 8 coal mine methane gas/dust explosion, West Frankfort, IL--27
- 131. 1984 -- Dec 19, fire, Wilberg Mine, Emery Mining, Orangeville, UT -- 27

- 132. 1901 -- Feb 25, fire, Diamondville No. 1 Coal Mine, Diamondville, WY -- 26
- 133. 1909 -- Jan 10, explosion, Zeigler Coal Mine, Zeigler, IL -- 26
- 134. 1910 -- Mar 11, landslide, Norman open-pit mine, Virginia, MN¹⁹⁵⁷ -- 26
- 135. 1924 -- Mar 28, explosion, #2 Mine, Yukon Pocahontas Coal, Yukon, WV -- 26
- 136. 1976 -- Mar 9 & 11, methane gas explosions, Scotia Coal Mine, Oven Fork KY- (15 & 11)-- 26

- 137. 1907 -- Feb 04, coal mine gas explosion, Thomas #25, Thomas, Tucker Co., WV -- 25
- 138. 1910 -- June 01, explosion, Union Limestone Quarry, Devils Slide, UT -- 25
- 139. 1922 -- Feb 02, explosion, Gates No. 2 Coal Mine, Gates, PA -- 25
- 140. 1945 -- Dec 26, Belva No. 1 coal mine gas and dust explosion, Fourmile, KY -- 25

- 141. 1888 -- Mar 29, explosion, Keith & Perry No. 6 Coal Mine, Rich Hill, MO -- 24
- 142. 1893 -- Jan 10, explosion, Como Coal Mine, King, CO -- 24
- 143. 1895 -- Feb 27, explosion, White Ash Coal Mine, Cerrillos, NM -- 24
- 144. 1905 -- Mar 18, explosion, Rush Run & Red Ash Coal Mine, Red Ash, WV -- 24
- 145. 1906 -- Jan 04, powder explosion, Coaldale Coal Mine, Mercer County, WV --22-24
- 146. 1907 -- Jan 23, explosion, Primero Coal Mine, Primero, CO -- 24
- 147. 1913 -- Nov 18, explosion, Acton No. 2 Coal Mine, Acton, AL -- 24

- 148. 1895 -- Apr 08, explosion, Blue Canyon Coal Mine, Lake Whatcom, WA -- 23
- 149. 1900 -- May 23, Cumnock coal mine gas explosion, Cumnock, Chatham County, NC-- 23
- 150. 1906 -- Feb 08, gas explosion, Parral Coal Mine, Parral, WV -- 23
- 151. 1906 -- Mar 22, dust explosion, Century Coal Mine, No. 1 Shaft, Century, WV -- 23
- 152. 1909 -- May 12, dynamite explosion, Calanan Quarry, South Bethlehem, NY -- 23
- 153. 1911 -- Apr 24, explosion, Ott No. 20 Coal Mine, Elk Garden, WV -- 23
- 154. 1915 -- Nov 30, explosion, Boomer No. 2, Hanna Coal Mine, Boomer, WV -- 23
- 155. 1916 -- July 24, gas explosion, Cleveland Waterworks Tunnel, Cleveland, OH --21-23
- 156. 1930 -- Feb 06, explosion, Standard Coal Mine, Standardville, UT -- 23
- 157. 1932 -- Dec 09, explosion, Zero Coal Mine, Yancey, KY -- 23
- 158. 1945 -- May 09, Sunnyside No. 1 coal mine methane explosion, Sunnyside, UT -- 23

- 159. 1901 -- Oct 26, explosion, Diamondville Coal Mine, Diamondville, WY -- 22

¹⁹⁵⁷ Cross-listed in Landslides.

- 160. 1902 -- Jan 24, coal mine explosion, Lost Creek Mining Co. No. 2, Oskaloosa, IA -- 22
- 161. 1902 -- Mar 31, explosion, Nelson Coal Mine, Coal/Iron Company, Dayton, TN -- 22
- 162. 1915 -- Feb 06, explosion, Carlisle Coal Mine, Oak Hill, WV --20-22
- 163. 1919 -- Apr 29, explosion, Majestic Coal Mine, Majestic, AL -- 22
- 164. 1958 -- Oct 27, Pocahontas Fuel Co. Mine No. 34 methane gas explosion, Bishop, WV-- 22
- 165. 1961 -- Mar 02, Viking Coal Mine airborne dust explosion, near Terre Haute, IN -- 22
- 166. 1963 -- Apr 25, gas explosion, Clinchfield Coal Compass 2 Mine, Dola, WV -- 22
- 167. 1971 -- Dec 11, nat. gas explos., Lake Huron water tunnel const. proj., Port Huron, MI-- 22

MINING, Quarrying, Tunneling Events – By MORTALITY (Cont.)

- 168. 1880 -- July 20, tunnel construction failure (blowout), Hudson River, Jersey City, NJ-- 21
- 169. 1901 -- May 27, dust explosion, New Richland Coal Mine, Dayton, TN --20-21
- 170. 1904 -- Oct 28, explosion, Terico Coal Mine, Terico, CO -- 21
- 171. 1909 -- June 23, explosion, Lackawanna No. 4 Coal Mine, Wehrun, PA -- 21
- 172. 1911 -- July 15, explosion, Cascade Coal Co. Mine, Sykesville, PA -- 21
- 173. 1916 -- Feb 14, fire, Pennsylvania Copper Mine, Butte, MT -- 21
- 174. 1918 -- Sep 28, explosion, North Coal Mine, Royalton, IL -- 21
- 175. 1928 -- Jan 09, explosion, No. 18 Coal Mine, West Frankfort, IL -- 21
- 176. 1968 -- Mar 6, Cargill Salt Mine shaft fire, CO Asphyxiation, Belle Isle, LA¹⁹⁵⁸ -- 21

- 177. 1871 -- May 27, smoke suffocation, West Pittston Coal Mine, West Pittston, PA -- 20
- 178. 1913 -- Aug 02, explosion, East Brookside Coal Mine, Tower City, PA -- 20
- 179. 1916 -- Dec 13, explosion, Fidelity No. 9 Coal Mine, Stone City, KS -- 20
- 180. 1919 -- Oct 29, fire, Amsterdam No. 2 Coal Mine, Amsterdam, OH -- 20
- 181. 1926 -- Feb 03, explosion, Horning No. 4, Coal Mine, Horning, PA -- 20
- 182. 1926 -- Mar 08, explosion, Crab Orchard/Eccles No. 5 Coal Mine, Eccles, WV -- 20
- 183. 1937 -- July 15, explosion, Baker Coal Mine, Sullivan, IN -- 20
- 184. 1942 -- July 09, explosion, Pursglove Coal Mine No. 2, Pursglove, WV -- 20

- 185. 1854 -- May 19, explosion, Chesterfield Coal Mine, New Richmond, VA -- 19
- 186. 1884 -- Feb 20, explosion, West Leisenring Coal Mine, West Leisenring, PA -- 19
- 187. 1899 -- Dec 23, explosion, Braznell Mine Sumner Mine, Redstone Township, PA -- 19
- 188. 1901 -- Jun 10, explosion, Port Royal No. 2 Coal Mine, Port Royal, PA -- 19
- 189. 1915 -- Aug 31, explosion, Orenda Coal Mine, Boswell, PA -- 19
- 190. 1926 -- Jan 14, explosion, Jamison Coal Co Mine No. 8, Farmington, WV -- 19

- 191. 1887 -- Apr 04, dust explosion, Savanna #2 Coal Mine, Savanna, OK -- 18
- 192. 1888 -- Nov 3, Cook's Run Mine explosion, Kettle Creek Coal Mine, Westport PA -- 18
- 193. 1905 -- Dec 02, explosion, No. 1 Coal Mine, Diamondville, WY -- 18
- 194. 1906 -- Jan 18, dust explosion, Detroit Coal Mine, Paint Creek, WV -- 18
- 195. 1906 -- Apr 22, explosion, Cuatro Coal Mine, Tercio, CO -- 18
- 196. 1909 -- Feb 02, explosion, Short Creek Coal Mine, Short Creek, AL -- 18
- 197. 1910 -- Apr 22, explosion, Youghiogheny/Ohio Coal Mine, Amsterdam, OH -- 18
- 198. 1911 -- Nov 18, explosion, Bottom Creek Coal Mine, Bottom Creek, WV -- 18

¹⁹⁵⁸ Cross-listed in Carbon Monoxide poisoning typology.

199.	1912 -- Jul 24, inundation, Superba/Lemont Coal Mine, Evans Station, PA	--	18
200.	1912 -- Aug 13, Abernant Coal Mine explosion, Abernant, AL	--	18
201.	1916 -- Oct 22, Marvel (Roden Mine) Coal Mine explosion, Marvel, AL	--	18
202.	1917 -- Nov 29, Old Ben No. 11 Coal Mine explosion, Christopher, IL	--	18
203.	1917 -- Dec 15, Yukon Pocahontas Coal Mine explosion, Susanna, WV	--	18
204.	1918 -- Jun 27, Silver open pit iron mine powder explosion, Virginia, MN	--	18
205.	1919 -- Aug 18, Oakdale Coal Mine gas explosion,, La Veta, CO	--	18
206.	1934 -- Dec 27, boiler explosion, engine hauling mine workers, McDunn, WV ¹⁹⁵⁹	--	18
207.	1937 -- Mar 11, Hutchinson Coal Co. mine explosion, Macbeth, WV	--	18
208.	1960 -- Mar 08, Island Creek Coal Co. No. 22 mine fire, Holden, WV	--	18
209.	1963 -- Aug 27, Texas Gulf Sulfur Co., Potash Mine gas explosion, ~Moab, UT	--	18

MINING, Quarrying, Tunneling Events – By MORTALITY (continued):

210.	1863 -- Nov 30, explosion, Raccoon, Clover Hill Coal Mine, Winterpock, VA	--	17
211.	1871 -- Aug 14, explosion, Eagle Shaft Coal Mine, Pittston, PA	--	17
212.	1889 -- Dec 22, Utica Gold Mine North shaft collapse/cave-in, Angels Camp, CA	--16-17	
213.	1891 -- Feb 04, flooding, Jeansville Coal Mine, Near Hazleton, PA	--	17
214.	1901 -- Nov 14 & 22, fire, Baby and West Mines, Pocahontas Coal, Pocahontas, VA--		17
215.	1902 -- Sep 15, gas explos., Algoma Coal & Coke Mine, Algoma, McDowell Ct., WV--		17
216.	1903 -- Nov 21, explosion, Ferguson Coal Mine, Connellsville, PA	--	17
217.	1904 -- Dec 07, explosion, No. 5 Coal Mine, Burnett, WA	--	17
218.	1911 -- Feb 09, explosion, Cokedale Coal Mine, Trinidad, CO	--	17
219.	1911 -- Feb 23, fire/asphyxiations, Belmont Gold/Silver Mine, Tonopah, NV	--	17
220.	1918 -- Feb 21, cave-in, Amasa-Porter Iron Mine, Crystal falls, MI	--	17
221.	1922 -- Mar 24, explosion, Sopris No. 2 Coal Mine, Sopris, CO	--	17
222.	1925 -- June 08, explosion, Dorrance No. 9 Coal Mine, Sturgis, KY	--	17
223.	1928 -- May 22, explosion, Yukon Pocahontas Coal Mine No. 1, Yukon, WV	--	17
224.	1930 -- Apr 12, explosion, Carbonado Coal Mine, Carbonado, WA	--	17
225.	1934 -- Aug 06, explosion, Derby No. 3 Coal Mine, Big Stone Gap, VA	--	17
226.	1971 -- June 24, gas explosion, California Water Project tunnel under const., Sylmar, CA--		17
227.	1907 -- May 01, gas explosion, Whipple Coal Mine, Scarboro, WV	--	16
228.	1909 -- Mar 31, explosion, Echo Mine, Beury Bros. Coal Mining, Beury, WV	--	16
229.	1910 -- Nov 06, explosion, Lawson Coal Mine, Black Diamond, WA	--	16
230.	1914 -- Oct 05, explosion, Mulga Coal Mine, Mulga, AL	--	16
231.	1915 -- Oct 19, dynamite explosion, Granite Mountain Copper Mine, Butte, MT	--	16
232.	1916 -- Feb 29, Davis Coal & Coke Co., Mine No. 42 dust explosion, ~Kempton, MD--		16
233.	1920 -- Apr 19, explosion, Majestic Coal Mine, Birmingham, AL	--	16
234.	1926 -- Sep 03, explosion, Tahona Coal Mine, Tahona, OK	--	16
235.	1930 -- Mar 30, explosion, Pioneer Coal Mine, Kettle Island, KY	--	16
236.	1944 -- Mar 25, explosion, Kathrine Coal Mine No. 4, Lumberport, WV	--	16
237.	1954 -- Nov 13, Jamison Coal Co. Mine No. 9 gas & dust explosion, Farmington, WV--		16
238.	1869 -- Dec 18, subsidence, houses fall into coal mine, Stockton, near Hazelton, PA	--6-15	

¹⁹⁵⁹ Cross-listed in Rail.

239.	1892 -- July 23, explosion, York Farm Coal Mine, Pottsville, PA	-- 15
240.	1919 -- June 30, explosion, Alderson No. 5 Coal Mine, Alderson, OK	-- 15
241.	1900 -- Nov 02, explosion, Southern Coal & Trans. Co. Mine, Berryburg, WV	-- 15
242.	1902 -- Jan 07, copper mine cave-in, Negaunee, MI	--10-15
243.	1904 -- Jan 26, mine cage fall, Stratton Independence Gold Mine, Victor, CO	-- 15
244.	1913 -- May 17, explosion, Noble Coal Mine, Imperial Mining, Belle County, OH	-- 15
245.	1919 -- June 30, explosion, Alderson No. 5 Coal Mine, Alderson, OK	-- 15
246.	1927 -- Aug 03, explosion, West Kentucky No. 7 Coal Mine, Clay, KY	-- 15
247.	1930 -- Nov 29, explosion, Lutie No. 5 Coal Mine, Lutie, OK	-- 15
248.	1941 -- Oct 27, explosion, Daniel Boon Coal Mine, Daniel Boone, KY	-- 15
249.	1946 -- Jan 15, excessive charge explosion, No. 9 Havaco coal mine, New River Co, Havaco, WV--15	
250.	1947 -- Jan 15, Glen Alden Coal Co., Nottingham Coal Mine gas explosion, Plymouth, PA-- 15	
251.	1981 -- Apr 15, Dutch Creek No. 1 methane/coal dust mine explos., Redstone, CO	-- 15

MINING, Quarrying, Tunneling Events – By MORTALITY (continued):

252.	1846 -- Jan 12, cave-in, Delaware & Hudson Coal Mine, Carbondale, PA	-- 14
253.	1884 -- Oct 27, “fire damp” gas explosion, Youngstown Coke Works, Uniontown, PA-14	
254.	1897 -- Mar 04, explosion, Kansas & Texas #44 Coal Mine, Huntington, AR	-- 14
255.	1906 -- Jan 24, explosion, Poteau No. 6 Coal Mine, Witteville, OK	-- 14
256.	1906 -- Feb 19, explosion, Maitland Coal Mine, Walsenburg, CO	-- 14
257.	1907 -- May 11, tunnel dynamite explosion, South & Western RR, Alta Pass, NC	-- 9-14
258.	1911 -- Mar 11, slide, Norman Open Pit Iron Mine, Virginia, MN	-- 14
259.	1911 -- Sep 28, cave-in, Shakespeare Placer Gold Mine, Dome Creek, AK	-- 14
260.	1917 -- Mar 13, explosion, No. 1 Coal Mine, Hendersonville, PA	-- 14
261.	1924 -- Jun 06, explosion, Loomis Collieries Coal Mine, Nanticoke, PA	-- 14
262.	1929 -- Jan 26, explosion, Kingston Pocahontas Coal Mine, Kingston, WV	-- 14
263.	1932 -- Dec 07, explosion, Morgan-James Coal Mine, Madrid, NM	-- 14
264.	1937 -- Oct 26, Evan-Jones Coal Mine explosion and fire, Jonesville, Alaska	-- 14
265.	1941 -- May 22, explosion, Panhandle No. 2 Coal Mine, Bicknell, IN	-- 14
266.	1943 -- Sep. 24, explosion, Primrose Colliery Coal Mine, Minersville, PA	-- 14
267.	1958 -- Oct 28, Oglebay Norton’s Burton coal mine gas explosion, ~Craigsville, WV-- 14	
268.	1867 -- Oct 19, naphtha explosion/fire, Hoosac Tunnel, Northern Berkshires, MA	-- 13
269.	1886 -- Jan 12, explosion, Almy No. 4 Coal Mine, Almy, WY	-- 13
270.	1894 -- Feb 13, roof collapse, Gaylord Coal Mine, Plymouth, PA	-- 13
271.	1896 -- Mar 23, explosion, Berwind Coal Mine, DuBois, PA	-- 13
272.	1901 -- Aug 14, waterworks crib fire, two miles off Cleveland Harbor, OH ¹⁹⁶⁰	--12-13
273.	1902 -- Aug 07, explosion, Bowen Coal Mine, Bowen, CO	-- 13
274.	1905 -- Apr 27, explosion, Eleanora Coal Mine, Dubois, PA	-- 13
275.	1905 -- Apr 30, explosion, No. 19 Coal Mine, Wilburton, OK	-- 13
276.	1909 -- Oct 31, explosion, Franklin No. 2 coal mine/Cambria Steel, Johnstown PA--12-13	
277.	1910 -- Nov 28, gas explosion, Jumbo Asphalt Mine, Durant, OK	-- 13
278.	1914 -- Sep 04, roof fall, No. 1 Coal Mine, Adamson, OK	-- 13
279.	1914 -- Dec 09, haulage accident, Tripp Coal Mine, Scranton, PA	-- 13

¹⁹⁶⁰ Cross listed in Fires, Structural.

280.	1915 -- Feb 17, gas explosion, Oakwood Shaft, Prospect Coal Mine, Wilkes-Barre, PA-13	
281.	1918 -- May 20, fire, Mill Creek Cannel Mining Co. Coal Mine, Charleston, WV --	13
282.	1919 -- Mar 31, explosion, Empire Coal Mine, Aguilar, CO	-- 13
283.	1928 -- Feb 24, explosion, Mama No. 3 Coal Mine, Jenny Lind, AR	-- 13
284.	1928 -- Aug 15, explosion, Irvona No. 3 Coal Mine, Coalport, PA	-- 13
285.	1935 -- Jan 21, gas explosion, Gilberton Coal Mine, Gilberton, PA	-- 13
286.	1943 -- Jan 08, fire, Mine No. 15, Pursglove Coal Mine, Pursglove, WV	-- 13
287.	1948 -- July 27, Princeton Mining Co., King Coal Mine Gas Explosion, Princeton, IN--	13
288.	1981 -- Dec 8, methane gas explos., Coal Mine No. 21 (Grundy Mining) Whitwell, TN--	13
289.	2001 -- Sep 23, gas explosion, Jim Walter Resources No. 5 Coal Mine, Brookwood, AL-	13

MINING, Quarrying, Tunneling Events – By MORTALITY (continued):

290.	1868 -- Mar 31, Diamond Coal Mine shaft platform break and fall, Scranton, PA	-- 12
291.	1885 -- Aug 11, gas from boiler fire, West End Coal Mine, Mocanaqua, PA	-- 12
292.	1886 -- Nov 26, gas explosion, Conyngham Coal Mine, Wilkes-Barre, PA	-- 12
293.	1891 -- Nov 08, explosion, Susquehanna No. 1, Coal Mine, Nanticoke, PA	-- 12
294.	1895 -- Aug 29, flooding, Sleepy Hollow Gold Mine, Sleepy Hollow, CO	-- 12
295.	1897 -- Sep 03, explosion, Sunshine Coal Mine, Sunshine, CO	-- 12
296.	1905 -- Aug 16, quarry landslide, Lehigh Portland Cement Co., Ormrod, PA	-- 12
297.	1906 -- Feb 27, explosion, Little Cahaba Coal Mine, Piper, AL	-- 12
298.	1907 -- Jan 26, powder explosion, Lorentz Coal Mine, Penco, WV	-- 12
299.	1908 -- May 12, explosion, Mount Lookout Coal Mine, Wyoming, PA	-- 12
300.	1910 -- Feb 05, explosion, Ernest No. 2 Coal Mine, Ernest, PA	-- 12
301.	1911 -- Jan 31, suffocation, tunnel caisson, pontoon, Passaic River, Newark, NJ	-- 12
302.	1911 -- Oct 19, flood, Wharton Iron Mine shaft, Hibernia, NJ	-- 12
303.	1912 -- Jun 18, explosion, Hastings Coal Mine, Hastings, CO	-- 12
304.	1914 -- Jan 10, explosion, Rock Castle Coal Mine, Rock Castle, AL	-- 12
305.	1918 -- Aug 28, explosion, Burnett Coal Mine, Burnett, WA	-- 12
306.	1920 -- Nov 23, explosion, Parrish Coal Mine, Parrish, AL	-- 12
307.	1921 -- Aug 31, explosion, Harco Coal Mine, Harrisburg, IL	-- 12
308.	1922 -- Nov 25, explosion, Cerillos No. 4 Coal Mine, Cerillos, NM	-- 12
309.	1928 -- Feb 20, explosion, Kinloch Coal Mine, Parnassus, PA	-- 12
310.	1930 -- Mar 26, explosion, Crown Coal Co, Yukon Mine, Arnettsville, WV	-- 12
311.	1943 -- May 11, explosion, Praco No. 10 Coal Mine, Praco, AL	-- 12
312.	1943 -- Sep 16, explosion, 3 Point Coal Mine, Three Point, KY	-- 12
313.	1946 -- Apr 18, Great Valley Coal Mine methane gas explosion, McCoy, VA	-- 12
314.	1951 -- Oct 31, Truax-Traer Coal Co. Mine No. 1 dust explosion, United, WV	-- 12
315.	1959 -- Jan 22, Susquehanna Riv. breaks into River Slope Mine/Knox Coal Co., Port Griffith, PA--	12
316.	2006 -- Jan 02, lightning/explosion, Sago Coal Mine, Tallmansville, WV ¹⁹⁶¹	-- 12
317.	1844 -- June 15, powder and gas explosions, Black Heath Coal Mine, ~Richmond VA-	11
318.	1891 -- May 22, explosion, Pratt No. 1 Shaft Coal Mine, Pratt City, AL	-- 11
319.	1891 -- Jun 24, fire, Gould & Curry Gold/Silver Mine, Virginia City, NV	-- 11
320.	1898 -- July 11, gas explosion, Lake Erie Water Works tunnel, near Cleveland, OH	-- 11

¹⁹⁶¹ Cross listed in Lightning.

321.	1902 -- Oct 01, explosion, Lawson Coal Mine, Black Diamond, WA	--	11
322.	1903 -- Nov 20, explosion, Bonanza No. 20 Coal Mine, Bonanza, AR	--	11
323.	1907 -- Mar 16, explosion, Bond & Bruce Coal Mine, Tacoma, VA	--	11
324.	1907 -- Nov 30, fire, Fremont Gold Mine, Drytown, CA	--	11
325.	1907 -- Dec 31, explosion, Bernal Coal Mine, Carthage, NM	--	11
326.	1909 -- Oct. 21, explosion, Rock Island No. 8 Coal Mine, Hartshorne, OK	--10-11	
327.	1910 -- Apr 13, explosion, limestone quarry, Nazareth, PA	--	11
328.	1910 -- Sep 11, cave-in, Bergen Tunnel, Erie Railroad, Jersey City, NJ	--	11
329.	1914 -- Sep 17, cave-in, Centennial-Eureka Gold Mine, Eureka, UT	--	11
330.	1915 -- Apr 05, Explosion, Panama No. 1 Coal Mine, Panama, IL	--	11
331.	1917 -- Dec 20, Explosion, No. 3 Coal Mine, Catoosa, TN	--	11
332.	1922 -- May 25, explosion, Acmar No. 3 Coal Mine, Acmar, AL	--	11
333.	1931 -- Apr 13, tunnel fire and carbon monoxide poisoning, Chicago, IL	--	11
334.	1941 -- July 10, explosion, Acmar No. 6 Coal Mine, Acmar, AL	--	11
335.	1943 -- Nov 06, explosion Nellis No. 3, Coal Mine, Madison, WV	--	11
336.	1948 -- July 30, T.C.I Co. Edgewater Coal Mine gas explosion, near Birmingham, AL	--	11
337.	1951 -- Jan. 18, gas explosion, Burning Springs Collieries, Kermit, WV	--	11
338.	1957 -- Dec 27, Pocahontas Fuel Co. coal mine 31 methane gas explos., McDowell Co., WV ¹⁹⁶²	--	11
339.	1962 -- Jan 10, Blue Blaze No. 2 Coal Mine gas and dust explosion, Carterville, IL	--	11

MINING, Quarrying, Tunneling Events – By MORTALITY (continued):

340.	1872 -- July 03, Atwater Slope Coal Mine fire, Atwater Township, Portage Co., OH	--	10
341.	1873 -- Jun 10, explosion, Henry Clay Coal Mine, Shamokin, PA	--	10
342.	1883 -- Jan 09, explosion, Coulterville Coal Mine, Coulterville, IL	--	10
343.	1884 -- Oct 8, gale, Hyde Park waterworks crib cabin washed away, Chicago, IL	--	9-10
344.	1885 -- Apr 06, roof fall, Cuyler Coal Mine, Raven Run, PA	--	10
345.	1885 -- Nov 13, explosion, Bull Domingo Silver/Gold Mine Silver Cliff, CO	--	10
346.	1888 -- Sep 11, premature explos., Wickes Tunnel, Montana Central RR ~Helena, MT	--	10
347.	1889 -- May 09, car fall, Kaska William Coal Mine, Middleport, PA	--	10
348.	1889 -- Sep 09, flooding, White Ash Coal Mine, Golden, CO	--	10
349.	1892 -- Apr 20, Lytle Coal Mine flooding, miners drown, near Minersville, PA	--	10
350.	1893 -- Apr 01, fire, Neilson Coal Mine, Shamokin, PA	--	10
351.	1893 -- May 14, hoist cage overwind, Red Jacket Shaft Copper Mine, Calumet MI	--	10
352.	1898 -- Aug 22, Carnegie Tunnel wall collapses burying workmen, ~Pittsburg, PA	--	8-10
353.	1901 -- May 15, explosion, George's Creek, Chatham coal mine, Farmington, WV	--	10
354.	1902 -- Jan 13, fire, Milby & Dow Coal Mine, Dow, OK	--	10
355.	1904 -- May 11, explosion, Big Muddy Coal Mine, Herrin, IL	--	10
356.	1904 -- Nov 02, haulage accident, Auchincloss Coal Mine, Nanticoke, PA	--	10
357.	1905 -- Mar 10, explosion, Oswald Mine, Princeton Coal & Mining, Gibson, IN	--	10
358.	1905 -- Apr 26, haulage accident, Conyngham Coal Mine, Wilkes-Barre, PA	--	10
359.	1905 -- Oct 06, rock-fall, Vermont Slate Co. Briar Hill Quarry, Pawlet, VT	--	8-10
360.	1906 -- Oct 05, explosion, Dutchman Coal Mine, Blossburg, NM	--	10

MINING, Quarrying, Tunneling Events – By MORTALITY (continued):

¹⁹⁶² The explosion was near Amonate VA, near WV border. West Virginia Department of Mines investigated in that the shaft where coal was taken out (as well as bodies of victims) was in West Virginia.

361.	1907 -- Dec 07, skip (bucket) fall, Rolling Mill Iron Mine, Negaunee, MI	--	10
362.	1909 -- Oct 03, explosion, Northwestern Coal Mine, Roslyn, WA	--	10
363.	1910 -- Nov 25, explosion, Providence No. 3 Coal Mine, Providence, KY	--	10
364.	1910 -- Dec 14, fire, Leyden Coal Mine, Leyden, CO	--	10
365.	1910 -- Dec 31, haulage disaster, Lick Fork Mine Red Jacket Coal, Thacker, WV	--	10
366.	1912 -- July 07, dynamite explosion, Eureka Pit Copper Mine Ely, NV	--	10
367.	1916 -- Mar 28, explosion, King Coal Co., Mine No. 28, Vivian, WV	--	10
368.	1916 -- Oct 19, explosion, Jamison Coal No. 7 Mine, Barrackville, WV	--	10
369.	1920 -- Aug 21, explosion, No. 19 Coal Mine, Degnan, OK	--	10
370.	1923 -- Mar 02, explosion, Weyanoke Coal Co. Mine, Arista, WV	--	10
371.	1923 -- May 05, explosion, Southwestern Coal Mine, Aguilar, Colorado	--	10
372.	1924 -- July 25, explosion, Gates No. 1 Coal Mine, Brownsville, PA	--	10
373.	1925 -- July 23, explosion, Rockwood Coal Mine, Rockwood, TN	--	10
374.	1925 -- Aug 03, explosion, Dorrance No. 9 Coal Mine, Wilkes-Barre, PA	--	10
375.	1928 -- May 25, explosion, Baltimore No. 5 Coal Mine, Parsons, PA	--	10
376.	1929 -- May 27, Connellsville Coal Mine explosion, Yolande, AL	--	10
377.	1932 -- June 13, explosion, Splashdam No. 6 Coal Mine, Splashdam, VA	--	10
378.	1936 -- Sep 02, explosion, Hutchinson Coal Co. Mine, Macbeth, WV	--	10
379.	1936 -- Oct 06, shaft accident, Morning Mine, Lead Mine, Mullan, ID	--	10
380.	1938 -- Jan 12, explosions, Harwick Coal Mine, Harwick, PA	--	10
381.	1938 -- Jun 02, gas explosion, Butler Slope Coal Mine, Pittston, PA	--	10
382.	1940 -- Aug 27, explosion, Bates No. 2 Coal Mine, Bares, Arkansas	--	10
383.	1943 -- May 05, explosion, NuRex Coal Mine, LaFollette, TN	--	10
384.	1947 -- Apr 10, methane gas explosion, Schooley shaft, Knox Coal Co., Exeter, PA	--	10
385.	1951 -- Oct 15, Bunker Mine methane gas explosion, Trotter Coal Co., Cassville, WV	--	10
386.	1989 -- Sep 13, William Station Coal Mine gas explosion, Wheatcroft, KY	--	10

Select Other **Mining, Quarrying, Tunneling** Events (fewer than ten lives lost):

1870 --	Aug 10, haulage cage falls, Heins & Glassmire Colliery, Middleport, PA	--	9
1891 --	Jan 05, steel cable breaks, hoist car falls, Utica Gold Mine, Angels Camp, CA	--	9
1891 --	Nov 03/04, men fall from haulage cage, Anaconda Copper Mine, near Butte, MT	--	9
1892 --	May 14, Anaconda Copper Mining Co., Anaconda Mine cave-in, Butte, MT	--	9
1893 --	Apr 21, Silver Bow No 2 Copper Mine fire and suffocations, Butte, MT	--	9
1895 --	Mar 09 or 10, fire, Old Abe Gold Mine, White Oaks, NM	--	5-9
1898 --	Nov 05, coal cars crash into Exeter shaft, onto haulage cage, West Pittston, PA	--	9
1905 --	Mar 22, Oswald coal mine explosion, Princeton, ID	--	9
1912 --	Feb 22, Wichita Coal & Mining Co. No. 5 fire, Lehigh, OK	--	9
1915 --	May 24, gas explosion, Mine No. 1, Valley Smokeless Coal Co., ~Johnstown, PA	--	9
1915 --	July 27, explosion, Mine No. 1, United Coal Co., Christopher, IL	--	9
1915 --	July 30, mine-car accident, Patterson No. 2 Coal Mine, Elizabeth, PA	--	9
1920 --	Aug 13, premature dynamite explosion; Boxley Quarry; Pounding Mill, VA	--	9
1922 --	June 27, explosion, Holston marble quarry, Strawberry plains ~Knoxville, TN	--	9
1925 --	Dec 22, Webb Coal Mine fire, Bellaire, OH	--	9
1934 --	Nov 12, Rohl Connolly granite quarry explosives detonation, Avalon, CA	--	9

1936 -- Aug 01, Kathleen Coal Mine fire, Dowell, IL	--	9
1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA	--	9
1963 -- Dec 16, Carbon No. 2 coal mine methane gas/coal dust explosion, Helper, UT	--	9
1972 -- July 22, Blacksville #1 coal mine fire and asphyxiations, near Blacksville, WV	--	9
2007 -- Aug 06, Crandall Canyon Coal Mine wall collapse (3 rescuers die Aug 16), Emery Co., UT--	--	9

Select Other Mine/Quarry/Tunneling events (fewer than ten lives lost), continued:

1890 -- Feb 01, coal mine gas explosion, Nottingham Shaft, Plymouth, PA	--	8
1893 -- Feb 14, Chicago & Iowa coal mine explosion, Albia, IA	--	8
1901 -- June 04, dynamite explosion, Chapin iron mine, Iron Mountain, MI	--	8
1916 -- Mar 30, explosion, Robindale Mine, Conemaugh Smokeless Coal, Seward, PA	--	8
1947 -- Apr 30, mining blast raises coal dust; explosion; Spring Hill Coal Co., Kerns Mine, Terre Haute, IN--	--	8
1948 -- Feb 28, Sun Excelsior coal mine explosion, Excelsior, AR	--	8
1884 -- Aug 21, Buck Ridge Colliery, gas asphyxiation, Shamokin, PA	--	7
1896 -- Dec 26, Oswald coal mine explosion, Princeton, IN	--	7
1905 -- May 12, detonation of explosive materials, Cora copper mine, Butte, MT	--	7
1910 -- Jan 11, coal mine gas explosion, Nottingham Shaft, Plymouth, PA	--	7
1916 -- Feb 08, Lance Mine, Lehigh/Wilkes-Barre Coal Co. gas explosion, Plymouth, PA--	--	7
1922 -- Nov 05, Anthracite coal mine explosion in number four shaft, Madrid, NM	--	7
1873 -- Sep 20, Fire, yellow Jacket gold mine, Gold Hill, NV	--	6
1874 -- Feb 13, Copper mine dynamite explosion, Phoenix, MI	--	6
1876 -- July 24, Black Diamond coal mine fire, Nortonville, CA	--	6
1881 -- Feb 12, Copper Mine blacksmith shop fire and powder explosion, Belmont, MT	--	6
1887 -- Jun 04, Rock fall, Quarry, Birmingham, PA (near Altoona)	--	5-6
1889 -- Nov 23, St. Lawrence copper mine fire, suffocation Anaconda mine, Butte, MT	--	6
1909 -- Jan 19, Stone Canyon coal mine explosion, Chancellor, CA	--	6
1920 -- Apr 15, Gas explosion, Jefferson Island salt mine, Delcambre, LA	--	6
1937 -- Feb 19, detonation of explosives, Walker copper quarry, Walkermine, CA	--	6
1942 -- May 11, Peerless coal mine number 2 shaft explosion, Excelsior, AR	--	6
1944 -- July 28, Brilliant coal mine no. 2 shaft explosion, Brilliant, NM	--	6
1911 -- Mar 18, Coal mine explosion, Mineral, KS	--	5
1915 -- Feb 18, New Home coal mine shaft number 2 explosion, Rich Hill, MO	--	5
1920 -- May 3, Submarine coal mine explosion, Clinton, IN	--	5
1930 -- July 14, Fire, Glenn gold mine, Placer County, CA	--	5
1930 -- Dec 6, Lamb coal mine explosion, Madrid, NM	--	5
1938 -- Aug 31 Dynamite explosion, Asheville granite quarry, Asheville, NC	--	5
1948 -- Nov 04, George M. Nethken Coal Co., Milt No. 1 mine fire suffocations, Kitzmiller MD--	--	5
1950 -- July 16, U.S. and Lark Mine (lead-zinc) and smelting refining co. fire, Lark, UT	--	5
1953 -- Mar 30, O'Brien coal mine coal-dust explosion/2, CO poisoning/3, Lovilia, IA	--	5
1957 -- Jan 18, Evan Jones Coal Mine explosion, Jonesville, AK	--	5
1979 -- June 8, Gas explosion, Belle Isle Mine, Franklin, LA	--	5

MINING, Tunneling, Quarry Disasters – CHRONOLOGICAL – Deadliest American

1. 1839 -- Mar 18, Black Heath Coal Mine methane gas explosion, ~Richmond, VA --40-53
2. 1844 -- June 15, Powder and gas explosions, Black Heath Coal Mine, ~Richmond, VA-- 11
3. 1846 -- Jan 12, Cave-in, Delaware & Hudson Coal Mine, Carbondale, PA -- 14

4. 1854 -- May 19, Explosion, Chesterfield Coal Mine, New Richmond, VA -- 19
5. 1855 -- Mar 19, Explosion, Midlothian Coal Mine, Coalfield, VA -- 55

6. 1863 -- Nov 30, Explosion, Raccoon, Clover Hill Coal Mine, Winterpock, VA -- 17
7. 1867 -- Apr 03, Bright Hope Mine Disaster, Chesterfield County, Winterpock, VA --69-75
8. 1867 -- Oct 19, Naphtha Explosion/Fire, Hoosac Tunnel, Northern Berkshires, MA -- 13
9. 1868 -- Mar 31, Shaft Platform Break/fall, Diamond Coal Mine, Scranton, PA -- 12
10. 1869 -- Apr 07, fire, Kentucky-yellow Jacket Gold Mine, Gold Hill, NV -- 37
11. 1869 -- Sep 06, Fire, Avondale Coal Mine, Plymouth, PA -- 110
12. 1869 -- Dec 18, Subsidence, Houses fall into Coal Mine, Stockton, near Hazelton, PA -- 6-15

- 1870 -- Aug 10, Haulage Cage falls, Heins & Glassmire Colliery, Middleport, PA -- 9

13. 1871 -- May 27, Smoke Suffocation, West Pittston Coal Mine. West Pittston, PA -- 20
14. 1871 -- Aug 14, Explosion, Eagle Shaft Coal Mine, Pittston, PA -- 17
15. 1872 -- July 03, Atwater Slope Coal Mine Fire, Atwater Township, Portage Co., OH -- 10
16. 1873 -- June 10, Fire, Explosion, Henry Clay Coal Mine, Shamokin, PA -- 10
- 1873 -- Sep 20, Fire, yellow Jacket gold mine, Gold Hill, NV -- 6
- 1874 -- Feb 13, Copper mine dynamite explosion, Phoenix, MI -- 6
- 1876 -- July 24, Black Diamond coal mine fire, Nortonville, CA -- 6
17. 1879 -- Nov 18, Gas Explosions, Railroad Tunnel No. 3, near San Jose, CA -- ~30

18. 1880 -- July 20, Tunnel Construction Failure (Blowout), Hudson Riv, Jersey City, NJ -- 21

- 1881 -- Feb 12, Copper Mine blacksmith shop fire and powder explosion, Belmont, MT-- 6
19. 1881 -- Mar 04, Explosion, Almy Coal Mine, Almy, WY -- 38

20. 1882 -- Feb 03, explosion, Midlothian Coal Mine, Coalfield, VA -- 32

21. 1883 -- Jan 09, Explosion, Coulterville Coal Mine, Coulterville, IL -- 10
22. 1883 -- Feb 16, Diamond Coal Mine Roof Collapse & Flooding, Braidwood IL --69-74

23. 1884 -- Jan 24, Explosion, Crested Butte Coal Mine, Crested Butte, CO -- 59
24. 1884 -- Feb 20, Explosion, West Leisenring, Coal Mine, West Leisenring, PA -- 19
25. 1884 -- Mar 13, Explosion, Laurel Coal Mine, Pocahontas, VA -- 112
- 1884 -- Aug 21, Gas Asphyxiation, Buck Ridge Colliery, Shamokin, PA -- 7
26. 1884 -- Oct 08, Gale, Hyde Park Waterworks Crib cabin washed away, S. Chicago, IL-- 9-10
27. 1884 -- Oct 27, "Fire Damp" Gas Explos., Youngstown Coke Works, Uniontown, PA -- 14

28. 1885 -- Apr 06, Roof fall, Cuyler Coal Mine, Raven Run, PA -- 10

- 29. 1885 -- Aug 11, gas from boiler fire, West End Coal Mine, Mocanaqua, PA -- 12
- 30. 1885 -- Nov 13, explosion, Bull Domingo Silver/Gold Mine, Silver Cliff, CO -- 10
- 31. 1885 -- Dec 18, water breach/quicksand, Nanticoke Coal Mine #1, Nanticoke, PA --26-28

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

- 32. 1886 -- Jan 12, explosion, Almy No. 4 Coal Mine, Almy, WY -- 13
- 33. 1886 -- Jan 21, explosion, Newburg Coal Mine, Newburg, WV -- 39
- 34. 1886 -- Nov 26, gas explosion, Conyngham Coal Mine, Wilkes-Barre, PA -- 12

- 35. 1887 -- Apr 04, dust explosion, Savanna #2 Coal Mine, Savanna, OK -- 18
- 1887 -- June 04, rock fall, quarry, Birmingham, PA (near Altoona) -- 5-6

- 36. 1888 -- Mar 29, explosion, Keith & Perry No. 6 Coal Mine, Rich Hill, MO -- 24
- 37. 1888 -- Sep 11, premature explosion, Wickes Tunnel, Montana Central RR ~Helena, MT--10
- 38. 1888 -- Nov 03, Cook's Run Mine explosion, Kettle Creek Coal Mine, Westport, PA -- 18
- 39. 1888 -- Nov 09, explosion, Coal Mine Shaft No. 2, Frontenac, KS -- 40

- 40. 1889 -- May 09, car fall, Kaska William Coal Mine, Middleport, PA -- 10
- 41. 1889 -- Sep 09, flooding, White Ash Coal Mine, Golden, CO -- 10
- 1889 -- Nov 23, St. Lawrence copper mine fire, suffocation Anaconda mine, Butte, MT-- 6
- 42. 1889 -- Dec 22, Utica Gold Mine, North Shaft collapse/cave-in, Angels Camp, CA --16-17

- 1890 -- Feb 01, coal mine gas explosion, Nottingham Shaft, Plymouth, PA -- 8
- 43. 1890 -- May 15, explosion, Jersey No. 8 Coal Mine, Ashley, PA -- 28
- 44. 1890 -- June 16, fire, Hill Farm Coal Mine, Dunbar, PA -- 31

- 45. 1891 -- Jan 27, "fire damp" gas explosion, Mammoth coal mine No.1, Mammoth, PA -- ≥109
- 1891 -- Jan 05, steel cable breaks, hoist car falls, Utica Gold Mine, Angels Camp, CA -- 9
- 46. 1891 -- Feb 04, flooding, Jeansville Coal Mine, Near Hazleton, PA -- 17
- 47. 1891 -- May 22, explosion, Shaft No. 1, Pratt Coal Mine, Pratt City, AL -- 11
- 48. 1891 -- June 24, fire, Gould & Curry Gold/Silver Mine, Virginia City, NV -- 11
- 1891-- Nov 03/4, men fall from haulage cage, Anaconda Copper Mine, near Butte, MT-- 9
- 49. 1891 -- Nov 08, Susquehanna No. 1, Coal Mine explosion, Nanticoke, PA -- 12

- 50. 1892 -- Jan 07, Osage Coal Mine No. 11, blasting explodes gas/dust, Krebs, OK -->75-100
- 51. 1892 -- Apr 20, Lytle Coal Mine flooding, miners drown, near Minersville, PA -- 10
- 52. 1892 -- May 10, Roslyn Coal Mine No. 2 gas explosion, Roslyn, WA --all 45
- 1892 -- May 14, Anaconda Copper Mining Co., Anaconda Mine cave-in, Butte, MT -- 9
- 53. 1892 -- July 23, York Farm Coal Mine gas explosion, Pottsville, PA -- 15

- 54. 1893 -- Jan 10, explosion, Como Coal Mine, King, CO -- 24
- 1893 -- Feb 14, Chicago & Iowa coal mine explosion, Albia, IA -- 8
- 55. 1893 -- Apr 01, fire, Neilson Coal Mine, Shamokin, PA -- 10
- 1893 -- Apr 21, fire and suffocations, Silver Bow No 2 Copper Mine, Butte, MT -- 9
- 56. 1893 -- May 14, hoist cage overwind, Red Jacket Shaft Copper Mine, Calumet, MI -- 10

57. 1893 -- Sep 28, flooding, Mansfield Iron Mine, Crystal falls, MI -- 28

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

58. 1894 -- Feb 13, Gaylord Coal Mine roof collapse, Plymouth, PA -- 13

59. 1894 -- Aug 24, fire, asphyxiation, Franklin Coal Mine, Franklin, WA -- 37

60. 1895 -- Feb 27, explosion, White Ash Coal Mine, Cerrillos, NM -- 24

61. 1895 -- Mar 9 or 10, Fire, Old Abe Gold Mine, White Oaks, NM -- 5-9

62. 1895 -- Mar 20, Explosion, Red Canyon Coal Mine, Red Canyon, near Evanston, WY -- 60

63. 1895 -- Apr 08, Explosion, Blue Canyon Coal Mine, Lake Whatcom, WA -- 23

64. 1895 -- Aug 29, Flooding, Sleepy Hollow Gold Mine, Sleepy Hollow, CO -- 12

65. 1895 -- Sep 07, Fire, Osceolo Copper Mine Level 27, Calumet, MI -- 30

66. 1895 -- Dec 19, Explosion, Cumnock Coal Mine, Cumnock, NC -- 39

67. 1895 -- Dec 20, Explosion, Nelson Coal Mine, Dayton, TN -- 30

68. 1896 -- Feb 18, Vulcan Coal Mine Explosion, New Castle, CO -- 49

69. 1896 -- Mar 23, Explosion, Berwind Coal Mine, DuBois, PA -- 13

70. 1896 -- Jun 28, Roof Collapse and Flood, Twin Shaft Coal Mine, Pittston, PA -- 58

1896 -- Dec 26, Oswald coal mine explosion, Princeton, IN -- 7

71. 1897 -- Mar 04, Explosion, Kansas & Texas #44 Coal Mine, Huntington, AR -- 14

72. 1897 -- Sep 03, Explosion, Sunshine Coal Mine, Sunshine, CO -- 12

73. 1898 -- Jul 11, Gas Explosion, Lake Erie Water Works Tunnel, near Cleveland, OH -- 11

74. 1898 -- Aug 22, Carnegie Tunnel Wall Collapses burying workmen, ~Pittsburg, PA -- 8-10

75. 1898 -- Nov 5, Coal cars crash into Exeter shaft, onto haulage cage, West Pittston, PA -- 9

76. 1899 -- Dec 09, Explosion, Carbon Hill No. 7 Coal Mine, Carbonado, WA -- 31

77. 1899 -- Dec 23, Explosion, Braznell Mine Sumner Mine, Redstone Township, PA -- 19

78. 1900 -- Mar 06, Explosion, Red Ash Coal Mine, New River Canyon, WV -- 46

79. 1900 -- May 01, Powder / dust explosions, winter Quarters 1 & 4 coal mine, Scofield, UT -- ~231

80. 1900 -- May 23, Cumnock coal mine gas explosion, Cumnock, Chatham County, NC -- 23

81. 1900 -- Nov 02, Explosion, Southern Coal & Trans. Co. Mine, Berryburg, WV -- 15

82. 1901 -- Feb 25, Fire, Diamondville No. 1 Coal Mine, Diamondville, WY -- 26

83. 1901 -- May 15, Explosion, George's Creek, Chatham Mine, Farmington, WV -- 10

84. 1901 -- May 27, Dust Explosion, New Richmond Coal Mine, Dayton, TN --20-21

1901 -- June 4, Dynamite explosion, Chapin iron mine, Iron Mountain, MI -- 8

85. 1901 -- June 10, Explosion, Port Royal No. 2 Coal Mine, Port Royal, PA -- 19

86. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH¹⁹⁶³ --12-13

87. 1901 -- Oct 26, Explosion, Diamondville Coal Mine, Diamondville, WY -- 22

88. 1901 -- Nov 14 & 22, Fire, Baby and West Mines, Pocahontas Coal, Pocahontas, VA -- 17

89. 1901 -- Nov 20, Outside Fire, Suffocation in Smuggler-Union Mine, Telluride, CO -- 28

¹⁹⁶³ Cross listed in Mines Tunnels and Quarries.

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

90.	1902 -- Jan 07, copper mine cave-in, Negaunee, MI	--10-15
91.	1902 -- Jan 13, fire, Milby & Dow Coal Mine, Dow, OK	-- 10
92.	1902 -- Jan 24, coal mine explosion, Lost Creek Mining Co. No. 2, Oskaloosa, IA	-- 22
93.	1902 -- Mar 31, explosion, Nelson Coal Mine, Coal/Iron Co., Dayton, TN	-- 22
94.	1902 -- May 19, Explosion, Fraterville Mine, Coal Creek, TN	--184-227
95.	1902 -- July 10, Explosion, Rolling Mill Coal Mine, Johnstown, PA	-- 113
96.	1902 -- July 15, Daly-West lead/silver mine explosion/asphyxiations, Park City, UT	-- 34
97.	1902 -- Aug 07, explosion, Bowen Coal Mine, Bowen, CO	-- 13
98.	1902 -- Sep 15, gas explos., Algoma Coal & Coke Mine, Algoma, McDowell Ct. WV	-- 17
99.	1902 -- Oct 01, explosion, Lawson Coal Mine, Black Diamond, WA	-- 11
100.	1903 -- June 30, Explosion, Hanna No. 1 Coal Mine, Hanna, WY	-- 169
101.	1903 -- Nov 20, Explosion, Bonanza No. 20 Coal Mine, Bonanza, AR	-- 11
102.	1903 -- Nov 21, Explosion, Ferguson Coal Mine, Connellsville, PA	-- 17
103.	1904 -- Jan 25, Harwick Coal Mine blast and coal dust explosion, ~Cheswick, PA	-- 181
104.	1904 -- Jan 26, Mine Cage fall, Stratton Independence Gold Mine, Victor, CO	-- 15
105.	1904 -- May 11, Explosion, Big Muddy Coal Mine, Herrin, IL	-- 10
106.	1904 -- Oct 28, Explosion, Terico Coal Mine, Terico, CO	-- 21
107.	1904 -- Nov 02, Haulage Accident, Auchincloss Coal Mine, Nanticoke, PA	-- 10
108.	1904 -- Dec 07, Explosion, No. 5 Coal Mine, Burnett, WA	-- 17
109.	1905 -- Feb 20, Explosion, Virginia City Coal Mine, Virginia City, AL	-- 160
110.	1905 -- Mar 10, Explosion, Oswald Mine, Princeton Coal & Mining Co., Gibson, IN	-- 10
111.	1905 -- Mar 18, Explosion, Rush Run-Red Ash Coal Mine, Red Ash, WV	-- 24
	1905 -- Mar 22, Oswald coal mine explosion, Princeton, ID	-- 9
112.	1905 -- Apr 03, Explosion, Zeigler Coal Mine, Zeigler, IL	-- 49
113.	1905 -- Apr 26, Haulage Accident Conyngham Coal Mine, Wilkes-Barre, PA	-- 10
114.	1905 -- Apr 27, Explosion, Eleanora Coal Mine, Dubois, PA	-- 13
115.	1905 -- Apr 30, Explosion, No. 19 Coal Mine, Wilburton, OK	-- 13
	1905 -- May 12, Detonation of explosive materials, Cora copper mine, Butte, MT	-- 7
116.	1905 -- Aug 16, Quarry Landslide, Lehigh Portland Cement Co., Ormrod, PA	-- 12
117.	1905 -- Dec 02, Explosion, No. 1 Coal Mine, Diamondville, WY	-- 18
118.	1906 -- Jan 4, Powder Explosion, Coaldale Coal Mine, Mercer County, WV	--22-24
119.	1906 -- Jan 18, Dust Explosion, Detroit Coal Mine, Paint Creek, WV	-- 18
120.	1906 -- Jan 24, Explosion, Poteau No. 6 Coal Mine, Witteville, OK	-- 14
121.	1906 -- Feb 08, Gas Explosion, Parral Coal Mine Parral, WV	-- 23
122.	1906 -- Feb 19, Explosion, Maitland Coal Mine, Walsenburg, CO	-- 14
123.	1906 -- Feb 27, Explosion, Little Cahaba Coal Mine, Piper, AL	-- 12
124.	1906 -- Mar 22, Dust Explosion, Century Coal Mine, No. 1 Shaft, Century, WV	-- 23
125.	1906 -- Apr 22, Explosion, Cuatro Coal Mine, Tercio, CO	-- 18
126.	1906 -- Oct 03, Explosion, Pocahontas Coal Mine, Pocahontas, VA	-- 36

127. 1906 -- Oct 05, explosion, Dutchman Coal Mine, Blossburg, NM -- 10

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

128.	1907 -- Jan 23, Primero Coal Mine explosion, Primero, CO	-- 24
129.	1907 -- Jan 26, Powder Explosion, Lorentz Coal Mine, Penco, WV	-- 12
130.	1907 -- Jan 29, explosion, Stuart Colliery Coal Mine, Stuart, WV	-- 85
131.	1907 -- Feb 04, coal mine explosion (gas), Thomas #25, Thomas, Tucker Co., WV	-- 25
132.	1907 -- Mar 16, Explosion, Bond & Bruce Coal Mine, Tacoma, VA	-- 11
133.	1907 -- May 01, Gas Explosion, Whipple Coal Mine, Scarboro, WV	-- 16
134.	1907 -- May 11, Tunnel Dynamite Explosion, South & Western RR, Alta Pass, NC	-- 9-14
135.	1907 -- Nov 30, Fire, Fremont Gold Mine, Drytown, CA	-- 11
136.	1907 -- Dec 01, Explosion, Naomi Coal Mine, Fayette City, PA	-- 34
137.	1907 -- Dec 06, Gas/dust explosions, Fairmont Coal mines 6 & 8, Monongah WV-400-550	
138.	1907 -- Dec 07, Skip fall, Rolling Mill Iron Mine, Negaunee, MI	-- 10
139.	1907 -- Dec 16, "Windy shot" & dust explosion, Yolande No. 1 Coal Mine, Yolande AL	~57
140.	1907 -- Dec 19, Explosion, Darr Mine (Jacobs Creek), Monessen, PA	-- 239
141.	1907 -- Dec 31, Explosion, Bernal Coal Mine, Carthage, NM	-- 11
142.	1908 -- Mar 28, Explosion, Hanna No. 1 Coal Mine, Hanna, WY	-- 59
143.	1908 -- May 12, Explosion, Mount Lookout Coal Mine, Wyoming, PA	-- 12
144.	1908 -- Aug 26, Fire, Hailey-Oklahoma No. 1 Coal Mine, Haileyville, OK	-- 29
145.	1908 -- Nov 28, Rachel and Agnes Coal Mine Dust Explosion, Marianna, PA	--153-154
146.	1908 -- Dec 29, Pocahontas Coal Mine Explosion, Lick Branch, WV	-- 50
147.	1909 -- Jan 10, Explosion, Zeigler Coal Mine Zeigler, IL	-- 26
148.	1909 -- Jan 12, Explosion, Pocahontas Coal Mine, Lick Branch, WV	-- 67
	1909 -- Jan 19, Stone Canyon coal mine explosion, Chancellor, CA	-- 6
149.	1909 -- Jan 20, Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~Chicago IL	-- 53
150.	1909 -- Feb 02, Explosion, Short Creek Coal Mine, Short Creek, AL	-- 18
151.	1909 -- Mar 31, Explosion, Beury Brothers Echo Coal Mine, Beury, WV	-- 16
152.	1909 -- May 12, Dynamite Explosion, Calanan Quarry, South Bethlehem, NY	-- 23
153.	1909 -- June 23, Explosion, Lackawanna No. 4 Coal Mine, Wehrun, PA	-- 21
154.	1909 -- Oct 03, Explosion, Northwestern Coal Mine, Roslyn, WA	-- 10
155.	1909 -- Oct. 21, Explosion, Rock Island No. 8 Coal Mine, Hartshorne, OK	--10-11
156.	1909 -- Oct 31, Explos., Franklin No. 2 Coal Mine, Cambria Steel, Johnstown PA	--12-13
157.	1909 -- Nov 13, Fire, Cherry Mine (St. Paul Coal Co. No. 2), Cherry Hill, IL	-- 259
	1910 -- Jan 11, Coal Mine Gas Explosion, Nottingham Shaft, Plymouth, PA	-- 7
158.	1910 -- Jan 31, Explosion, Primero "A" Coal Mine, Primero, CO	-- 75
159.	1910 -- Feb 01, Explosion, Browder Coal Mine, Browder, KY	-- 34
160.	1910 -- Feb 05, Explosion, Ernest No. 2 Coal Mine, Ernest, PA	-- 12
161.	1910 -- Mar 02, Powder Explosion, Alaska-Mexico Gold Mine, Treadwell, AK	-- 37
162.	1910 -- Mar 11, Landslide, Norman Open-Pit Mine, Virginia, MN ¹⁹⁶⁴	-- 26
163.	1910 -- Apr 13, Explosion, Limestone Quarry, Nazareth, PA	-- 11

¹⁹⁶⁴ Cross-listed in Landslides.

164.	1910 -- Apr 20, explosion, Mulga Coal Mine, Mulga, AL	--	40
165.	1910 -- Apr 22, Youghiogheny/Ohio Coal Mine explosion, Amsterdam, OH	--	18
166.	1910 -- May 05, explosion, Coal Mine No. 3, Palos/Birmingham, AL	--	84
167.	1910 -- Jun 01, Explosion, Union Limestone Quarry, Devils Slide, UT	--	25
168.	1910 -- Sep 11, cave-in, Bergen Tunnel, Erie Railroad, Jersey City, NJ	--	11
169.	1910 -- Oct 08, Coal Mine Dust Explosion, Colorado Fuel Co., Starkville, CO	--	56
170.	1910 -- Nov 06, Explosion, Lawson Coal Mine, Black Diamond, WA	--	16
171.	1910 -- Nov 08, Explosion, Victor American No. 3 Coal Mine, Delagua, CO	--	79
172.	1910 -- Nov 25, Explosion, Providence No. 3 Coal Mine, Providence, KY	--	10
173.	1910 -- Nov 28, Gas Explosion, Jumbo Asphalt Mine, Durant, OK	--	13
174.	1910 -- Dec 14, Fire, Leyden Coal Mine, Leyden, CO	--	10
175.	1910 -- Dec 31, Haulage Disaster, Lick Fork Mine Red Jacket Coal, Thacker, WV	--	10

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

176.	1911 -- Feb 09, Explosion, Cokedale Coal Mine, Trinidad, CO	--	17
177.	1911 -- Jan 31, Suffocation, Tunnel Caisson, Pontoon, Passaic River, Newark, NJ	--	12
178.	1911 -- Feb 23, Fire/Asphyxiation, Belmont Gold/Silver Mine, Tonopah, NV	--	17
179.	1911 -- Mar 11, Slide, Norman Open Pit Iron Mine, Virginia, MN	--	14
	1911 -- Mar 18, Coal mine explosion, Mineral, KS	--	5
180.	1911 -- Apr 07, Fire, Price-Pancoast Coal Mine, Throop, PA	--	73
181.	1911 -- Apr 08, Banner Coal Mine Explosion, Pratt Consolidated, Littleton, AL	--128-129	
182.	1911 -- Apr 24, Explosion, Ott No. 20 Coal Mine, Elk Garden, WV	--	23
183.	1911 -- July 15, Explosion, Cascade Coal Co. Mine, Sykesville, PA	--	21
184.	1911 -- Sep 28, Cave-in, Shakespeare Placer Gold Mine, Dome Creek, AK	--	14
185.	1911 -- Oct 19, Shaft Flood, Wharton Iron Mine, Hibernia, New Jersey	--	12
186.	1911 -- Nov 18, Explosion, Bottom Creek Coal Mine, Bottom Creek, WV	--	18
187.	1911 -- Dec 09, Explosion, Cross Mountain Coal Mine, Briceville, TN	--	100
188.	1912 -- Mar 20, Explosion, San Bois No. 2 Coal Mine, McCurtain, OK	--	73
189.	1912 -- Mar 26, Explosion, Jed Coal Mine, Jed, WV	--	81
190.	1912 -- June 18, Explosion, Hastings Coal Mine, Hastings, Colorado	--	12
191.	1912 -- July 07, Dynamite Explosion, Eureka Pit Copper Mine Ely, NV	--	10
192.	1912 -- July 24, Inundation, Superba/Lemont Coal Mine, Evans Station, PA	--	18
193.	1912 -- Aug 13, Explosion, Abernant Coal Mine, Abernant, AL	--	18
194.	1913 -- Apr 23, Explosion, Pittsburgh Coal Co., Cincinnati Mine, Finleyville, PA	--	115
195.	1913 -- May 17, Explosion, Noble Coal Mine, Imperial Mining, Belle County, OH	--	15
196.	1913 -- Aug 02, Explosion, East Brookside Coal Mine, Tower City, PA	--	20
197.	1913 -- Oct 22, Stag Canon No. 2 coal mine over-blast & dust explosion, Dawson NM	--263	
198.	1913 -- Nov 18, Explosion, Acton No. 2 Coal Mine, Acton, AL	--	24
199.	1913 -- Dec 16, Explosion, Vulcan Coal Mine, New Castle, CO	--	37
200.	1914 -- Jan 10, Explosion, Rock Castle Coal Mine, Rock Castle, AL	--	12
201.	1914 -- Apr 28, New River Coal Mine Nos. 5 & 6 gas & dust explosions, Eccles, WV	--183	
202.	1914 -- Sep 04, Roof fall, No. 1 Coal Mine, Adamson, OK	--	13

203.	1914 -- Sep 17, cave-in, Centennial-Eureka Gold Mine, Eureka, UT	--	11
204.	1914 -- Oct 05, Mulga Coal Mine explosion, Mulga, AL	--	16
205.	1914 -- Oct 27, North No. 1 Coal Mine explosion, Royaltan, IL	--	52
206.	1914 -- Dec 09, haulage accident, Tripp Coal Mine, Scranton, PA	--	13

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

207.	1915 -- Feb 06, explosion, Carlisle Coal Mine, Oak Hill, WV	--20-22	
208.	1915 -- Feb 17, gas explosion, Oakwood Shaft, Prospect Coal Mine, Wilkes-Barre, PA	--	13
	1915 -- Feb 18, New Home coal mine shaft number 2 explosion, Rich Hill, MO	--	5
209.	1915 -- Mar 02, explosion, Layland # 3 Coal Mine, New River Canyon, WV	--	119
210.	1915 -- Apr 05, explosion, Panama No. 1 Coal Mine, Panama, IL	--	11
	1915 -- May 24, gas explosion, Mine No. 1, Smokeless Coal Co., ~Johnstown, PA	--	9
	1915 -- July 27, explosion, Mine No. 1, United Coal Co., Christopher, IL	--	9
	1915 -- July 30, mine-car accident, Patterson No. 2 Coal Mine, Elizabeth, PA	--	9
211.	1915 -- Aug 31, explosion, Orenda Coal Mine, Boswell, PA	--	19
212.	1915 -- Oct 19, dynamite explosion, Granite Mt. Copper Mine, Butte, MT	--	16
213.	1915 -- Nov 16, dust explosion, Pacific Northwestern Coal Mine, Ravensdale, WA	--	31
214.	1915 -- Nov 30, explosion, Hanna Coal Co. Boomer Mine, Boomer, WV	--	23
	1916 -- Feb 08, gas explos., Lance Mine, Lehigh/Wilkes-Barre Coal Co., Plymouth, PA	--	7
215.	1916 -- Feb 11, explosion, Ernest No. 2 Coal Mine, Ernest, PA	--	27
216.	1916 -- Feb 14, fire, Pennsylvania Copper Mine, Butte, MT	--	21
217.	1916 -- Feb 29, dust explos. Davis Coal & Coke Co., Mine No. 42., ~Kempton, MD	--	16
218.	1916 -- Mar 28, explosion, King Coal Co., Mine No. 28, Vivian, WV	--	10
	1916 -- Mar 30, explosion, Robindale Mine, Conemaugh Smokeless Coal, Seward, PA	--	8
219.	1916 -- July 24, gas explosion, Cleveland Waterworks Tunnel, Cleveland, OH	--21-23	
220.	1916 -- Oct 19, explosion, Jamison Coal No. 7 Mine, Barrackville, WV	--	10
221.	1916 -- Oct 22, explosion, Marvel (Roden Mine) Coal Mine, Marvel, AL	--	18
222.	1916 -- Nov 04, explosion, Bessie Coal Mine, Palos, AL	--	30
223.	1916 -- Dec 13, explosion, Fidelity No. 9 Coal Mine, Stone City, KS	--	20
224.	1917 -- Mar 13, explosion, No. 1 Coal Mine, Hendersonville, PA	--	14
225.	1917 -- Apr 27, explosion, Hastings Coal Mine, near Trinidad, CO	--	121
226.	1917 -- June 08, shaft fire, Granite Mountain Speculator copper mine, Butte, MT	--161-168	
227.	1917 -- Aug 04, explosion, West Kentucky No. 7 Coal Mine, Clay, KY	--	62
228.	1917 -- Nov 29, explosion, Old Ben No. 11 Coal Mine, Christopher, IL	--	18
229.	1917 -- Dec 15, explosion, Yukon Pocahontas Coal Mine, Susanna, WV	--	18
230.	1917 -- Dec 20, explosion, No. 3 Coal Mine, Catoosa, TN	--	11
231.	1918 -- Feb 21, cave-in, Amasa-Porter Iron Mine, Crystal falls, MI	--	17
232.	1918 -- May 20, fire, Mill Creek Cannel Mining Co. Mine, Charleston, WV	--	13
233.	1918 -- June 27, powder explosion, Silver Open Pit Iron Mine, Virginia, MN	--	18
234.	1918 -- Aug 28, explosion, Burnett Coal Mine, Burnett, WA	--	12
235.	1918 -- Sep 28, explosion, North Coal Mine, Royaltan, IL	--	21

236.	1919 -- Mar 31, explosion, Empire Coal Mine, Aguilar, CO	--	13
237.	1919 -- Apr 29, explosion, Majestic Coal Mine, Majestic, AL	--	22
238.	1919 -- Jun 05, explosion, Baltimore Tunnel No. 2 Coal Mine, Wilkes-Barre, PA	--92-93	
239.	1919 -- Jun 30, explosion, Alderson No. 5 Coal Mine, Alderson, OK	--	15
240.	1919 -- Aug 18, gas explosion, Oakdale Coal Mine, La Veta, CO	--	18
241.	1919 -- Oct 29, fire, Amsterdam No. 2 Coal Mine, Amsterdam, OH	--	20

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

	1920 -- Apr 15, gas explosion, Jefferson Island salt mine, Delcambre, LA	--	6
242.	1920 -- Apr 19, Explosion, Majestic Coal Mine, Birmingham, AL	--	16
	1920 -- May 3, Submarine coal mine explosion, Clinton, IN	--	5
	1920 -- Aug 13, Premature Dynamite Explosion; Boxley Quarry; Pounding Mill, VA--		9
243.	1920 -- Aug 21, Explosion, No. 19 Coal Mine, Degnan, OK	--	10
244.	1920 -- Nov 23, Explosion, Parrish Coal Mine, Parrish, AL	--	12
245.	1921 -- Aug 31, Explosion, Harco Coal Mine, Harrisburg, IL	--	12
246.	1922 -- Feb 02, Explosion, Gates No, 2 Coal Mine, Gates, PA	--	25
247.	1922 -- Mar 24, Explosion, Sopris No. 2 Coal Mine, Sopris, CO	--	17
248.	1922 -- May 25, Explosion, Acmar No. 3 Coal Mine, Acmar, AL	--	11
	1922 -- June 27, Explosion, Holston marble quarry, Strawberry plains ~Knoxville, TN--		9
249.	1922 -- Aug 27, Fire, Argonaut Gold Mine, Jackson, CA	--	47
	1922 -- Nov 5, Anthracite coal mine explosion in number four shaft, Madrid, NM	--	7
250.	1922 -- Nov 6, Explosion, Reilly No. 1 Coal Mine, Spangler, PA	--	79
251.	1922 -- Nov 22, Explosion, Dolomite No. 3 Coal Mine, Dolomite, AL	--	90
252.	1922 -- Nov 25, Explosion, Cerillos No. 4 Coal Mine, Cerillos, NM	--	12
253.	1923 -- Feb 8, Electrical arcs & dust explosion, Stag Canon 1 coal mine, Dawson, NM--		120
254.	1923 -- Mar 02, Explosion, Weyanoke Coal Co. Mine, Arista, WV	--	10
255.	1923 -- May 05, Explosion, Southwestern Coal Mine, Aguilar, CO	--	10
256.	1923 -- Aug 14, Explosion, Frontier No. 1 Coal Mine, Kemmerer, WY	--	99
257.	1923 -- Nov 06, Explosion, Raleigh-Wyoming, Glen Rogers Mine, Beckley, WV	--	27
258.	1924 -- Jan 25, Explosion, McClintock Coal Mine, Johnston City, IL	--	33
259.	1924 -- Jan 26, Explosion, Lancashire No. 18 Coal Mine, Shanktown, PA	--	36
260.	1924 -- Feb 05, Flooding, Milford Iron Ore Mine, Crosby, MN	--	41
261.	1924 -- Mar 08, Castle Gate #2 Coal Mine gas & dust explosions, Castle Gate, UT	--	172
262.	1924 -- Mar 28, Explosion, Yukon Pocahontas #2 Coal Mine, Yukon, WV	--	26
263.	1924 -- Apr 28, Coal Mine gas explosion (killing all inside), Benwood, WV0	--	119
264.	1924 -- Jun 06, Explosion, Loomis Collieries Coal Mine, Nanticoke, PA	--	14
265.	1924 -- July 25, Explosion, Gates No. 1 Coal Mine, Brownsville, PA	--	10
266.	1924 -- Sep 16, Explosion, Sublet No. 5 Coal Mine, Sublet, WY	--	39
267.	1925 -- Feb 20, Explosion, City Coal Mine, Sullivan, IN	--	52
268.	1925 -- Mar 17, Explosion, Bethlehem Mines Coal Mine, Barrackville, WV	--	33

269.	1925 -- May 27, Carolina Coal Mine explosion, Farmville (Coal Glen), NC	--	53
270.	1925 -- June 08, Dorrance No. 9 Coal Mine explosion, Sturgis, KY	--	17
271.	1925 -- July 23, Explosion, Rockwood Coal Mine, Rockwood, TN	--	10
272.	1925 -- Aug 03, Explosion, No. 9 Coal Mine, Wilkes-Barre, PA	--	10
273.	1925 -- Dec 10, explosion, Overton No. 2 Coal Mine, Irondale, AL	--	53
	1925 -- Dec 22, Fire, Webb Coal Mine, Bellaire, OH	--	9

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

274.	1926 -- Jan 13, Explosion, No. 21 Coal Mine, Wilburton, OK	--	91
275.	1926 -- Jan 14, Explosion, Mine No. 8, Jamison Coal Co., Farmington, WV	--	19
276.	1926 -- Jan 29, Explosion, Mossboro No. 1 Coal Mine, Helena, AL	--	27
277.	1926 -- Feb 03, Explosion, Horning No. 4, Coal Mine, Horning, PA	--	20
278.	1926 -- Mar 08, Explosion, Crab Orchard/Eccles No. 5 Coal Mine, Eccles, WV	--	20
279.	1926 -- Aug 26, Explosion, Clymer No. 1 Coal Mine, Clymer, PA	--	44
280.	1926 -- Sep 03, Explosion, Tahona Coal Mine, Tahona, OK	--	16
281.	1926 -- Oct 04, Explosion, Rockwood Coal Mine, Rockwood, TN	--	27
282.	1926 -- Nov 03, Flooding, Barnes Hecker Iron Mine, Ishpeming, MI	--	51
283.	1926 -- Dec 09, Explosion, Francisco No. 2 Coal Mine, Francisco, IN	--	37
284.	1927 -- Apr 30, Explosion, Federal No. 3 Coal Mine, Everettville, WV	--	111
285.	1927 -- Aug 03, Explosion, West Kentucky No. 7 Coal Mine, Clay, KY	--	15
286.	1928 -- Jan 09, Explosion, No. 18 Coal Mine, West Frankfort, IL	--	21
287.	1928 -- Feb 20, Explosion, Kinloch Coal Mine, Parnassus, PA	--	12
288.	1928 -- Feb 24, Explosion, Mama No. 3 Coal Mine, Jenny Lind, AR	--	13
289.	1928 -- May 19, Pickands-Mather Coal Mine, gas and dust explosion, Mather, PA	--	195
290.	1928 -- May 22, Explosion, Yukon Pocahontas Coal Mine No. 1, Yukon, WV	--	17
291.	1928 -- May 25, Explosion, Baltimore No. 5 Coal Mine, Parsons, PA	--	10
292.	1928 -- Aug 15, Explosion, Irvona No. 3 Coal Mine, Coalport, PA	--	13
293.	1929 -- Jan 26, Explosion, Kingston Pocahontas Coal Mine, Kingston, WV	--	14
294.	1929 -- Mar 21, Explosion, Kinloch Coal Mine, Parnassus, PA	--	46
295.	1929 -- May 27, Explosion, Connellsville Coal Mine, Yolande, AL	--	10
296.	1929 -- Dec 17, Explosion, Old Town Coal Mine, McAlester, OK	--	61
297.	1930 -- Feb 06, Explosion, Standard Coal Mine, Standardville, UT	--	23
298.	1930 -- Mar 26, Explosion, Crown Coal Co, Yukon Mine, Arnettsville, WV	--	12
299.	1930 -- Mar 30, Explosion, Pioneer Coal Mine, Kettle Island, KY	--	16
300.	1930 -- Apr 12, Explosion, Carbonado Coal Mine, Carbonado, WA	--	17
	1930 -- July 14, Fire, Glenn gold mine, Placer County, CA	--	5
301.	1930 -- Oct 27, Explosion, Wheatley No. 4 Coal Mine, McAlester, OK	--	30
302.	1930 -- Nov 05, Methane Explosion, Sunday Creek Coal Mine No. 6, Millfield, OH	--	82
303.	1930 -- Nov 29, Explosion, Lutie No. 5 Coal Mine, Lutie, OK	--	15
	1930 -- Dec 6, Lamb coal mine explosion, Madrid, NM	--	5

304. 1931 -- Jan 28, Little Betty Coal Mine gas explosion, Dugger, near Linton, IN -- 28
 305. 1931 -- Apr 13, tunnel fire and carbon monoxide poisoning, Chicago IL -- 11

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

306. 1932 -- Feb 27, explosion, Boissevain Coal Mine, Boissevain, VA -- 38
 307. 1932 -- June 13, Explosion, Splashdam No. 6 Coal Mine, Splashdam, VA -- 10
 308. 1932 -- Dec 07, Explosion, Morgan-James Coal Mine, Madrid, NM -- 14
 309. 1932 -- Dec 09, Explosion, Zero Coal Mine, Yancey, KY -- 23
 310. 1932 -- Dec 24, Coal Mine Methane Gas Explosion, Moweaqua, Shelby Co., IL -- 54
311. 1934 -- Aug 06, Explosion, Derby No. 3 Coal Mine, Big Stone Gap, VA -- 17
 1934 -- Nov 12, Rohl Connolly granite quarry explosives detonation, Avalon, CA -- 9
312. 1935 -- Jan 21, Gas Explosion, Gilberton Coal Mine. Gilberton, PA -- 13
- 1936 -- Aug 01, Fire, Kathleen Coal Mine, Dowell, IL -- 9
313. 1936 -- Sep 02, Explosion, Hutchinson Coal Co. Mine, Macbeth, WV -- 10
 314. 1936 -- Oct 06, Shaft Accident, Morning Mine, Lead Mine, Mullan, ID -- 10
 1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA -- 9
- 1937 -- Feb 19, Detonation of explosives, Walker copper quarry, Walkermine, CA -- 6
315. 1937 -- Mar 11, Explosion, Hutchinson Coal Co., Mine, Macbeth, WV -- 18
 316. 1937 -- July 15, Explosion, Baker Coal Mine, Sullivan, IN -- 20
 317. 1937 -- Oct 15, Explosion, Mulga Coal Mine, Mulga, AL -- 34
 318. 1937 -- Oct 26, Evan-Jones Coal Mine Explosion and Fire, Jonesville, Alaska -- 14
319. 1938 -- Jan 12, Explosions, Harwick Coal Mine, Harwick, PA -- 10
 320. 1938 -- Apr 22, Explosion, Keen Mountain Coal Mine, Hanger, VA -- 45
 321. 1938 -- June 2, Gas Explosion, Butler Slope Coal Mine, Pittston, PA -- 10
 1938 -- Aug 31 Dynamite explosion, Asheville granite quarry, Asheville, NC -- 5
322. 1939 -- July 14, Explosion, Duvin Coal Mine, Providence, KY -- 28
323. 1940 -- Jan 10, Mine Explosion, Pond Creek Mine, Bartley, WV -- 91
 324. 1940 -- Mar 16, Hanna Coal Co. Willow Grove #10 Mine Explos., ~St. Clairsville, OH--72
 325. 1940 -- July 15, Coal Mine Explosion, Sonman, Portage Township, Cambria Co., PA-- 63
 326. 1940 -- Aug 27, Explosion, Bates No. 2 Coal Mine, Bares, Arkansas -- 10
 327. 1940 -- Nov 29, Explosion, OH-PA Coal Co. Nelms No. 1 Mine, Cadez, OH -- 31
328. 1941 -- May 22, Explosion, Panhandle No. 2 Coal Mine, Bicknell, IN -- 14
 329. 1941 -- July 10, Explosion, Acmar No. 6 Coal Mine, Acmar, AL -- 11
 330. 1941 -- Oct 27, Explosion, Daniel Boon Coal Mine, Daniel Boone, KY -- 15
331. 1942 -- Jan 27, Explosion, Wadge Coal Mine, Mount Harris, CO -- 34
 332. 1942 -- Mar 26, Asphyxiation, Sandts Eddy Limestone Quarry, Allentown, PA -- 31

- 1942 -- May 11, Peerless coal mine number 2 shaft explosion, Excelsior, AR -- 6
 333. 1942 -- May 12, Christopher No. 3 Coal Mine explosion, Osage, WV -- 56
 334. 1942 -- July 09, Pursglove Coal Mine No. 2 explosion, Pursglove, WV -- 20

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (continued):

335. 1943 -- Jan 08, Pursglove Coal Mine No. 15 fire, Pursglove, WV -- 13
 336. 1943 -- Feb 27, gas explosion, Smith Coal Mine #3, Bearcreek-Washoe area, MT¹⁹⁶⁵--74-75
 337. 1943 -- May 05, explosion, NuRex Coal Mine, LaFollette, TN -- 10
 338. 1943 -- May 11, explosion, Praco No. 10 Coal Mine, Praco, AL -- 12
 339. 1943 -- Aug 28, explosion, Sayreton No. 2 Coal Mine, Sayreton, AL -- 28
 340. 1943 -- Sep 16, explosion, Point Coal Mine No. 3, Three Point, KY -- 12
 341. 1943 -- Sep. 24, explosion, Primrose Colliery Coal Mine, Minersville, PA -- 14
 342. 1943 -- Nov 06, explosion Nellis No. 3, Coal Mine, Madison, WV -- 11
343. 1944 -- Mar 25, explosion, Kathrine Coal Mine No. 4, Lumberport, WV -- 16
 344. 1944 -- July 05, fire, Powhatan No. 1 Coal Mine, Powhatan Point, OH -- 66
 1944 -- July 28, Brilliant coal mine no. 2 shaft explosion, Brilliant, NM -- 6
345. 1945 -- May 09, Sunnyside No. 1 coal mine methane explosion, Sunnyside, UT -- 23
 346. 1945 -- Dec 26, Belva No. 1 coal mine gas and dust explosion, Fourmile, KY -- 25
347. 1946 -- Jan 15, excessive charge explosion, No. 9 Havaco coal mine, New River Co, Havaco, WV--15
 348. 1946 -- Apr 18, Great Valley Coal Mine methane gas explosion, McCoy, VA -- 12
349. 1947 -- Jan 15, Glen Alden Coal Co., Nottingham Coal Mine gas explosion, Plymouth, PA-- 15
 350. 1947 -- Mar 25, blasting causes dust explosion, Centralia No. 5 Coal Mine ~Centralia IL-- 111
 351. 1947 -- Apr 10, methane gas explosion, Schooley shaft, Knox Coal Co., Exeter, PA -- 10
 1947 -- Apr 30, mining blast raises coal dust; explosion; Spring Hill Coal Co., Kerns Mine, Terre Haute IN--8
 352. 1947 -- July 24, Old Ben No. 8 coal mine methane gas/dust explosion, West Frankfort, IL--27
- 1948 -- Feb 28, Sun Excelsior coal mine explosion, Excelsior, AR -- 8
 353. 1948 -- July 27, Princeton Mining Co., King Coal Mine gas explosion, Princeton, IN-- 13
 354. 1948 -- July 30, T.C.I. Co. Edgewater Coal Mine gas explosion, near Birmingham, AL-- 11
 1948 -- Nov 4, George M. Nethken Coal Co., Milt No. 1 mine fire suffocations, Kitzmiller MD--5
- 1950 -- July 16, U.S. and Lark Mine (lead-zinc) and smelting refining co. fire, Lark, UT-- 5
355. 1951 -- Jan 18, gas explosion, Burning Springs Collieries, Kermit, WV -- 11
 356. 1951 -- Oct 15, Bunker Mine methane gas explosion, Trotter Coal Co., Cassville, WV-- 10
 357. 1951 -- Oct 31, Truax-Traer Coal Co. Mine No. 1 dust explosion, United, WV -- 12
 358. 1951 -- Dec 21, New Orient Coal Mine #2 electric spark/gas explosion, West Frankfort IL--119
- 1953 -- Mar 30, O'Brien coal mine coal-dust explosion/2, CO poisoning/3, Lovilia, IA-- 5
 359. 1954 -- Nov 13, Jamison Coal Co. Mine No. 9 gas & dust explosion, Farmington, WV-- 16

¹⁹⁶⁵ Difference between 74 and 75 has to do with the death of a rescuer several weeks later from his gas exposure.

- 1957 -- Jan 18, Evan Jones Coal Mine explosion, Jonesville, AK -- 5
 360. 1957 -- Feb 04, Pocahontas Fuel Co. coal mine No. 34 gas explosion, Bishop, VA/WV-- 37
 361. 1957 -- Dec 27, Pocahontas Fuel Co. coal mine 31 methane gas explos., McDowell Co., WV¹⁹⁶⁶-- 11
 362. 1958 -- Oct 27, Pocahontas Fuel Co. Mine No. 34 methane gas explosion, Bishop, WV-- 22
 363. 1958 -- Oct 28, Oglebay Norton's Burton coal mine gas explosion, ~Craigsville, WV-- 14
 364. 1959 -- Jan 22, Susquehanna Riv. breaks into River Slope Mine/Knox Coal Co., Port Griffith, PA--12

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

365. 1960 -- Mar 08, fire, Island Creek Coal Co. No. 22 Mine, Holden, WV -- 18
 366. 1961 -- Mar 02, Viking Coal Mine Air dust explosion, near Terre Haute, IN -- 22
 367. 1962 -- Jan 10, Blue Blaze No. 2 Coal Mine gas and dust explosion, Carterville, IL -- 11
 368. 1962 -- Dec 06, Robena No. 3 Coal Mine gas and dust explosions, Carmichaels, PA -- 37
 369. 1963 -- Apr 25, gas explosion, Clinchfield Coal Compass #2 Mine, Dola, WV -- 22
 370. 1963 -- Aug 27, Texas Gulf Sulfur Co., Potash Mine gas explosion, near Moab, UT -- 18
 1963 -- Dec 16, Carbon No. 2 coal mine methane gas/coal dust explosion, Helper, UT-- 9
 1968 -- Mar 06, Cargill Salt Mine shaft fire, CO asphyxiation, Belle Isle, LA¹⁹⁶⁷ -- 21
 371. 1968 -- Nov 20, explosion, Consol 9 Coal Mine, Farmington, WV -- 78

 372. 1970 -- Dec 30, Finley Coal Co. No. 15 & 16 explosion ignites coal dust, Hyden, KY-- 38
 373. 1971 -- June 24, gas explosion, California Water Project tunnel under const., Sylmar, CA--17
 374. 1971 -- Dec 11, nat. gas explos., Lake Huron water tunnel const. proj., Port Huron, MI-- 22
 375. 1972 -- May 02, fire and CO gas asphyxiation, Sunshine Silver Mine, Kellogg, ID -- 91
 1972 -- July 22, Blacksville #1 coal mine fire and asphyxiations, near Blacksville, WV-- 9
 376. 1976 -- Mar 9 & 11, methane gas explosions, Scotia Coal Mine, Oven Fork, KY --(15 & 11) 26
 1979 -- June 08, gas explosion, Belle Isle Mine, Franklin, LA -- 5

 377. 1981 -- Apr 15, Dutch Creek No. 1 methane/coal dust mine explos., Redstone, CO -- 15
 378. 1981 -- Dec 08, Grundy Mining Coal Mine No. 21 methane gas explos., Whitwell, TN-- 13
 379. 1984 -- Dec 19, fire, Emery Mining, Wilberg Mine, Orangeville, UT -- 27
 380. 1989 -- Sep 13, William Station Coal Mine gas explosion, Wheatcroft, KY -- 10

 381. 2001 -- Sep 23, Jim Walter Resources No. 5 Coal Mine gas explosion, Brookwood, AL-- 13

 382. 2006 -- Jan 02, lightning/explosion, Sago Coal Mine, Tallmansville, WV¹⁹⁶⁸ -- 12
 2007 -- Aug 6, Crandall Canyon Coal Mine wall collapse (3 rescuers die Aug 16), Emery Co., UT-- 9
 383. 2010 -- Apr 05, Upper Big Branch Coal Mine gas explosion, Montcoal, WV -- 29

¹⁹⁶⁶ The explosion was near Amonate VA, near WV border. West Virginia Department of Mines investigated in that the shaft where coal was taken out (as well as bodies of victims) was in West Virginia.

¹⁹⁶⁷ Cross-listed in Carbon Monoxide poisoning typology.

¹⁹⁶⁸ Cross listed in Lightning.

QUARRYING Subset – **By Mortality**

1. 1942 -- Mar 26, Sandts Eddy Limestone Quarry asphyxiations, Allentown, PA -- 31
2. 1910 -- June 01, Explosion, Union Limestone Quarry, Devils Slide, UT -- 25
3. 1909 -- May 12, Dynamite Explosion, Calanan Quarry, South Bethlehem, NY -- 23
4. 1905 -- Aug 16, Quarry Landslide, Lehigh Cement Co., Ormrod, near Allentown, PA -- 12
5. 1910 -- Apr 13, Explosion, Limestone Quarry, Nazareth, PA -- 11
6. 1905 -- Oct 06, Rock-fall, Vermont Slate Co. Briar Hill Quarry, Pawlet, VT -- 8-10

- 1920 -- Aug 13, Premature Dynamite Explosion; Boxley Quarry; Pounding Mill, VA -- 9
- 1922 -- June 27, Explosion, Holston marble quarry, Strawberry plains ~Knoxville, TN-- 9
- 1934 -- Nov 12, Rohl Connolly granite quarry explosives detonation, Avalon, CA -- 9
- 1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA -- 9
- 1887 -- June 4, Rock fall, Quarry, Birmingham, PA (near Altoona) -- 5-6
- 1937 -- Feb 19, Detonation of explosives, Walker copper quarry, Walkermine, CA -- 6
- 1938 -- Aug 31 Dynamite explosion, Asheville granite quarry, Asheville, NC -- 5

QUARRYING Subset -- **Chronological**

- 1887 -- June 4, Rock fall, Quarry, Birmingham, PA (near Altoona) -- 5-6

1. 1905 -- Aug 16, Quarry Landslide, Lehigh Cement Co., Ormrod, near Allentown, PA -- 12
2. 1905 -- Oct 06, Rock-fall, Vermont Slate Co. Briar Hill Quarry, Pawlet, VT -- 8-10
3. 1909 -- May 12, Dynamite Explosion, Calanan Quarry, South Bethlehem, NY -- 23

4. 1910 -- Apr 13, Explosion, Limestone Quarry, Nazareth, PA -- 11
5. 1910 -- June 1, Explosion, Union Limestone Quarry, Devils Slide, UT -- 25

- 1920 -- Aug 13, Premature Dynamite Explosion; Boxley Quarry; Pounding Mill, VA -- 9
- 1922 -- June 27, Explosion, Holston marble quarry, Strawberry plains ~Knoxville, TN-- 9

- 1934 -- Nov 12, Rohl Connolly granite quarry explosives detonation, Avalon, CA -- 9
- 1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA -- 9
- 1937 -- Feb 19, Detonation of explosives, Walker copper quarry, Walkermine, CA -- 6
- 1938 -- Aug 31 Dynamite explosion, Asheville granite quarry, Asheville, NC -- 5

6. 1942 -- Mar 26, asphyxiation, Sandts Eddy Limestone Quarry, Allentown, PA -- 31

Mining, Quarrying, Tunneling Events – By Mortality

SUBSIDENCE due to Mining Undermining Subset

1. 1869 -- Dec 18, Subsidence, Houses fall into Coal Mine, Stockton, near Hazelton, PA -- 6-15

Mining, Quarrying, Tunneling Events – By Mortality

TUNNELING Subset – By Mortality

1. 1909 -- Jan 20, Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~ Chicago, IL-- 53
2. 1879 -- Nov 18, Gas Explosions, Railroad Tunnel No. 3, near San Jose, CA -- ~30
3. 1916 -- July 24, Gas Explosion, Cleveland Waterworks Tunnel, Cleveland, OH --21-23
4. 1971 -- Dec 11, Gas Explosion, Lake Huron Water Tunnel, Port Huron, MI -- 22
5. 1880 -- July 20, Tunnel Construc. Failure (Blowout), Hudson Riv, Jersey City, NJ -- 21
6. 1971 -- June 24, gas explosion, California Water Project tunnel under const., Sylmar, CA--17
7. 1907 -- May 11, Tunnel Dynamite Explosion, South & Western RR, Alta Pass, NC -- 9-14
8. 1867 -- Oct 19, Naphtha Explosion/Fire, Hoosac Tunnel, Northern Berkshires, MA -- 13
9. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH¹⁹⁶⁹ --12-13
10. 1911 -- Jan 31, Suffocation, Tunnel Caisson, Pontoon, Passaic River, Newark, NJ -- 12

11. 1898 -- July 11, Gas Explosion, Lake Erie Water Works Tunnel, near Cleveland, OH -- 11
12. 1910 -- Sep 11, Cave-in, Bergen Tunnel, Erie Railroad, Jersey City, NJ -- 11
13. 1931 -- Apr 13, Fire/Carbon Monoxide Poisoning, Tunnel, Chicago IL -- 11
14. 1884 -- Oct 08, Gale, Hyde Park Waterworks Crib cabin washed away, S. Chicago, IL-- 9-10
15. 1888 -- Sep 11, Premature Explos., Wickes Tunnel, Montana Central RR ~Helena, MT-- 10
16. 1898 -- Aug 22, Carnegie Tunnel Wall Collapses burying workmen, ~Pittsburg, PA -- 8-10

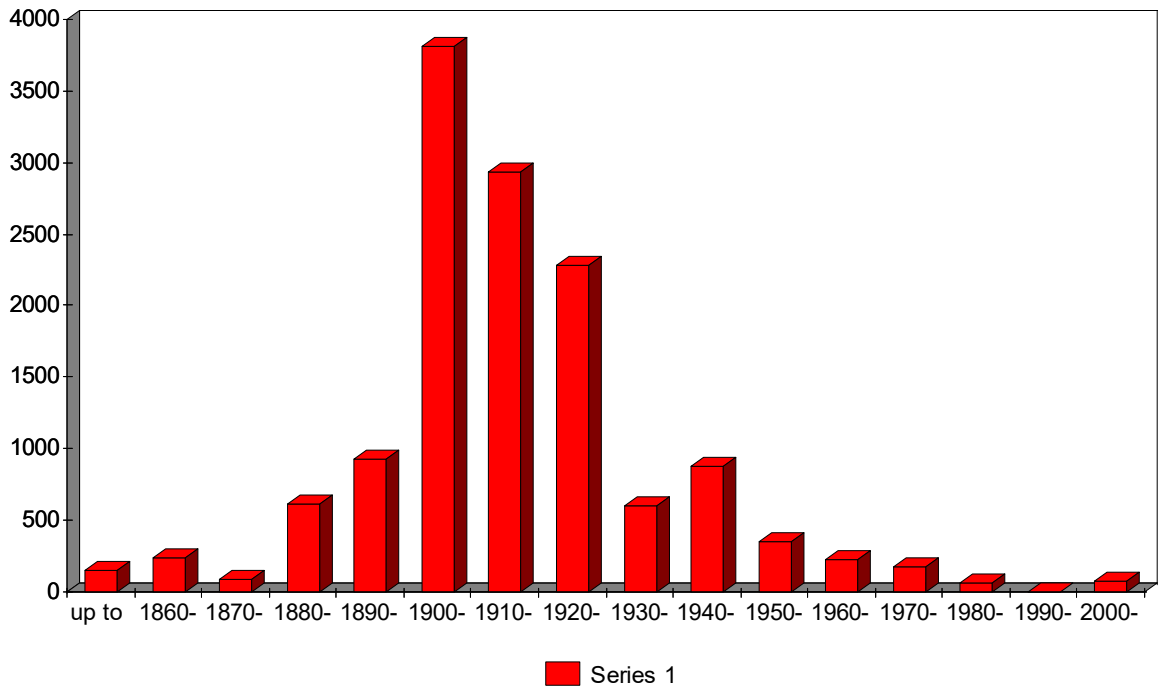
TUNNELING Subset – Chronological

1. 1867 -- Oct 19, naphtha explosion and fire, Hoosac Tunnel, Northern Berkshires, MA -- 13
2. 1879 -- Nov 18, gas explosions, Railroad Tunnel No. 3, near San Jose, CA -- ~30
3. 1880 -- July 20, tunnel construction failure (blowout), Hudson River, Jersey City, NJ -- 21
4. 1884 -- Oct 08, gale, Hyde Park Waterworks crib cabin washed away, S. Chicago, IL -- 9-10
5. 1888 -- Sep 11, premature explos., Wickes Tunnel, Montana Central RR ~Helena, MT-- 10
6. 1898 -- July 11, Lake Erie Water Works tunnel gas explosion, near Cleveland, OH -- 11
7. 1898 -- Aug 22, Carnegie Tunnel wall collapses burying workmen, near Pittsburg, PA -- 8-10
8. 1901 -- Aug 14, waterworks crib fire, two miles off Cleveland Harbor, OH¹⁹⁷⁰ --12-13
9. 1907 -- May 11, South & Western RR tunnel dynamite explosion, Alta Pass, NC -- 9-14
10. 1909 -- Jan 20, magazine explosion, water tunnel crib fire, Lake Mich., ~ Chicago, IL -- 53
11. 1910 -- Sep 11, Bergen Tunnel cave-in, Erie Railroad, Jersey City, NJ -- 11
12. 1911 -- Jan 31, suffocation, tunnel caisson, Pontoon, Passaic River, Newark, NJ -- 12
13. 1916 -- July 24, Cleveland Waterworks Tunnel gas explosion, Cleveland, OH --21-23
14. 1931 -- Apr 13, fire and carbon monoxide poisoning in tunnel, Chicago IL -- 11
15. 1971 -- June 24, gas explosion, California Water Project tunnel under const., Sylmar, CA--17
16. 1971 -- Dec 11, Lake Huron Water Tunnel gas explosion, Port Huron, MI -- 22

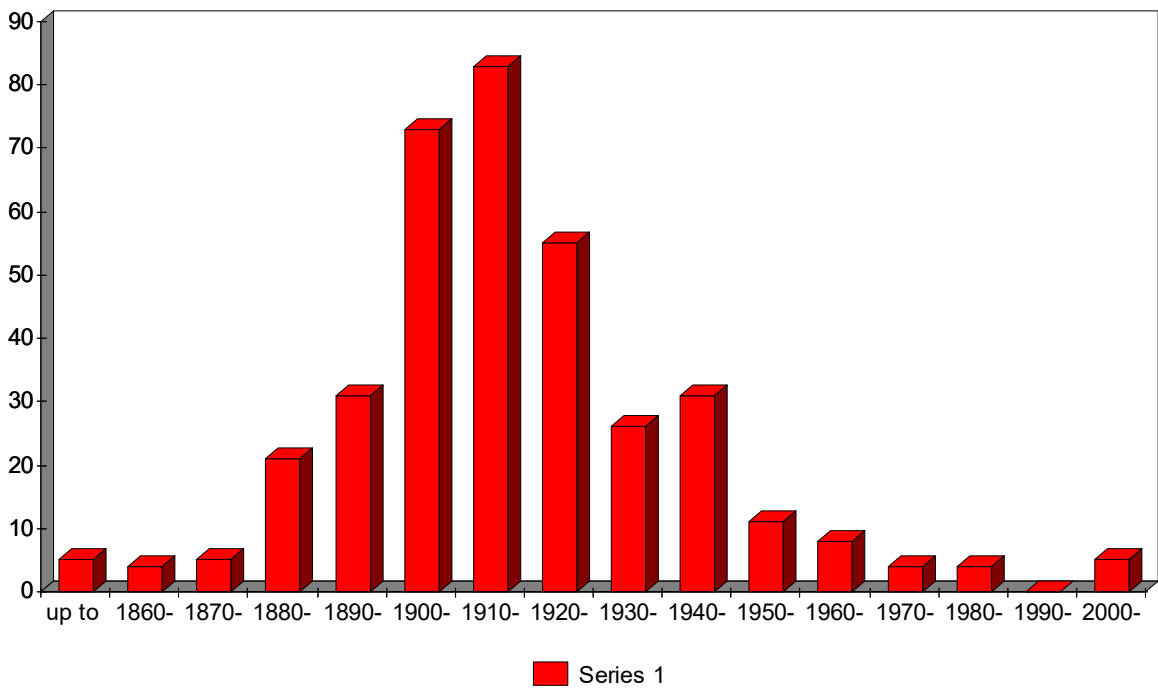
¹⁹⁶⁹ Cross listed in Fires, Structural.

¹⁹⁷⁰ Cross listed in Fires, Structural.

Mining Fatalities by Decade



Mining Events by Decade



Paralytic Shellfish Poisoning (PSP) -- By Mortality

1. 1799 -- July, Paralytic Shellfish Poisoning,¹⁹⁷¹ Aleuts, Russians, Peril Strait, AK -- ~100

Paralytic Shellfish Poisoning (PSP) -- Chronological

1. 1799 -- July, Paralytic Shellfish Poisoning, Aleuts, Russians, Peril Strait, AK -- ~100

¹⁹⁷¹ “Paralytic shellfish poisoning, or PSP, is a potentially lethal toxin that can lead to fatal respiratory paralysis... The toxin comes from algae, which is a food source for clams, mussels, crabs and other shellfish found across Alaska. This toxin can be found in shellfish every month of the year, and butter clams have been known to store the toxin for up to two years. The toxin cannot be seen with the naked eye, and there is no simple test a person can do before they harvest. One of the highest concentrations of PSP in the world was reported in shellfish from Southeast Alaska.” (SEARHC, C. Bingham. “Paralytic shellfish poisoning...warning issued...Southeast Alaska.” 6-24-2010.)

RAIL – Train, Electric Rail, Streetcar, Subway, Trolley Events -- By Mortality

1. 1910 -- Mar 01, avalanche, two trains derailed, Stevens Pass, Wellington, WA¹⁹⁷² -- 118
2. 1904 -- Aug 07, train trestle fails, train wreck, Eden/Pueblo, CO¹⁹⁷³ -- ~83-116
3. 1918 -- July 09, Great Nashville Train Wreck (head-on collision), fire, Nashville, TN -- 101
4. 1901 -- Nov 27, passenger trains collide head-on, one burns, Wabash RR ~Seneca, MI --23-100
5. 1918 -- Nov 1, speeding Brooklyn Rapid Transit train derails, tunnel mouth, Brooklyn, NY-93-<100
6. 1876 -- Dec 29, bridge fails under *Pacific Express* train, fire, Ashtabula, OH --92-~98
7. 1918 -- Jun 22, train rams Hagenbeck-Wallace Circus train, fire, Ivanhoe ~Hammond, IN--75-86
8. 1887 -- Aug 10, excursion train falls through burning culvert bridge/burns ~Chatsworth IL--82-85
9. 1951 -- Feb 06, speeding commuter train derails at temporary trestle, Woodbridge, NJ-- 85
10. 1943 -- Sep 06, Congressional Limited Train derailment, Frankford Junction, PA¹⁹⁷⁴ --79-81

11. 1950 -- Nov 22, Long Island commuter trains collide, Richmond Hill, Queens, NY -- 79
12. 1864 -- July 15, head-on Erie RR war-prisoner train/PA coal train crash ~Shohola PA -- ≥74
13. 1943 -- Dec 16, *Tamiami Champion* train derails, 2nd Champion collides ~Rennert, NC --72-74
14. 1856 -- July 17, Great Train Wreck, N. PA Railroad, Camp Hill/Ft. Washington, PA --66-67
15. 1888 -- Oct 10, Lehigh Valley RR trains collide, Mud Run, Carbon County, PA --64-66
16. 1903 -- Dec 23, train wreck, Connellsville, PA -- 64
17. 1904 -- Sep 24, head-on train collision, New Market, TN -- 62
18. 1906 -- Oct 28, train derailment into tidal channel, Atlantic City, NJ --57-62
19. 1883 -- Mar 30, train accident, Cincinnati Southern Rail, Mason's Station, OH -- 53
20. 1906 -- Dec 30, trains collide, Terra Cotta (now Fort Totten) Station, Wash. DC --53-59
21. 1917 -- Dec 20, train collision, Shepherdsville, KY -- 51
22. 1867 -- Dec 18, Lake Shore and Michigan Southern derailment and fire, Angola NY --39-50
23. 1896 -- July 30, two-train collision, Atlantic City, NJ -- 50
24. 1906 -- Nov 12, trains collide, Baltimore & Ohio Railroad, near Woodville, IN --44-50
25. 1916 -- Nov 07, train goes through open drawbridge, near South Station, Boston, MA -- 50
26. 1925 -- June 16, train derails, Rockport Crossing, near Hackettstown, NJ¹⁹⁷⁵ -- 50
27. 1910 -- Mar 21, train derailment, Rock Island RR, Green Mountain, Gladbrook, IA -- 49
28. 1944 -- Dec 31, fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT¹⁹⁷⁶-- 48
29. 1958 -- Sep 15, train derails into water through open span of Newark Bay Bridge, NJ -- 48
30. 1938 -- June 19, flash flood, bridge fails, train-cars fall into Custer Creek ~Saugus MT¹⁹⁷⁷--47
31. 1944 -- Aug 05, Atlantic Coast Line train wreck, near Stockton, GA -- 47
32. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL¹⁹⁷⁸-- 47
33. 1853 -- May 6, train goes through open drawbridge into Norwalk Riv., So. Norwalk CT-45-46
34. 1946 -- Apr 25, *Exposition Flyer* train rear-ends stopped *Advance Flyer*, Naperville, IL-- 45
35. 1972 -- Oct 30, rear-end train collision, IL Central Gulf Commuter Rail, Chicago, IL -- 45

¹⁹⁷² Cross-listed in Avalanche.

¹⁹⁷³ Cross-listed in Structural Failures, Bridges.

¹⁹⁷⁴ Accounts then and since note either 79 or 80 deaths. Our range of 79-81 is due to including as an indirect death a Brooklyn man who committed suicide after identifying his wife and two children as fatalities. If this death is not included then certainly 79 died. With inclusion, either 80 or 81 died.

¹⁹⁷⁵ Cross-listed in Flash Floods.

¹⁹⁷⁶ Cross-listed in Fog as a Contributing Factor.

¹⁹⁷⁷ Cross-listed in Flooding and in Structural Failures, Bridges.

¹⁹⁷⁸ Cross-listed in Fog as a contributing factor and in Maritime.

RAIL Events -- By MORTALITY -- (continued):

36. 1915 -- Sep 27, railroad tank car gasoline explosion, Ardmore, OK ¹⁹⁷⁹	--40-44
37. 1900 -- July 04, trolley car derails, Tacoma, WA	-- 43
38. 1914 -- Aug 05, trains collide, Tipton Ford, MO	-- 43
39. 1940 -- July 31, gasoline-electric and freight trains collide/fire, Cuyahoga Falls, OH	-- 43
40. 1910 -- Sep 21, interurban electric train car (trolley) crash, Kingsland, IN	--39-42
41. 1859 -- Jun 28, Springbrook Bridge fails under train, Mishawaka, IN	-- 41
42. 1901 -- Aug 30, runaway freight cars collide with train, fire near Nyack station, MT	--36-41
43. 1912 -- July 04, train collision, East Corning, NY	-- 41
44. 1854 -- Nov 01, train derailment, Chicago for Rock Island, IL	-- 40
45. 1903 -- Nov 14, trains collide and burn, Illinois Central RR, near Kentwood, LA	--30-40
46. 1907 -- May 11, train derails, Coast Line, Southern Pacific RR, near Honda, CA	--32-40
47. 1887 -- Feb 05, train derails (broken rail) into White River, burns, near Hartford, VT	-- 37
48. 1887 -- Mar 14, Busey Bridge collapses under train, Roslindale, MA	--23-37
49. 1910 -- Oct 04, traction electric) trains collide, near Staunton, IL	-- 37
50. 1921 -- Feb 27, NY Central & MI Central RR trains collide, Porter, IN	-- 37
51. 1900 -- Jun 23, cloudburst, trestle washout/train wreck and fire, ~McDonough GA ¹⁹⁸⁰	-- 37
52. 1899 -- Aug 06, train derailment, Peck's Mill Pond, Oronoque near Bridgeport, CT	-- 36
53. 1912 -- Mar 18, boiler explosion, train engine, So. Pacific Yard, San Antonio, TX ¹⁹⁸¹	-- 36
54. 1907 -- Jan 02, Rock Island RR trains 29#2 & 30 collide, fire, near Volland, KS	--32-35
55. 1944 -- July 06, troop train derailment, Jellico, TN	-- 35
56. 1907 -- Jan 19, train car explosion (powder), Big Four Railroad, Sandford, IN ¹⁹⁸²	--29-34
57. 1922 -- Aug 05, MO Pacific Railroad trains collide, Sulphur Springs, MO	-- 34
58. 1945 -- Aug 09, train collision, Great Northern's <i>Empire Builder</i> , Michigan, ND	-- 34
59. 1950 -- May 25, Green Hornet trolley & gasoline tank truck collide, Chicago IL ¹⁹⁸³	-- 34
60. 1893 -- Jan 21, express train collides into oil cars/fire/explosion, Wann, ~Alton, IL ¹⁹⁸⁴	-- 33
61. 1917 -- Sep 28, trains collide, near Kellyville, OK	-- 33
62. 1950 -- Sep 11, Spirit of St. Louis train hits stopped PA NG troop train, Isleta, OH	-- 33
63. 1871 -- Aug 26, trains collide, Eastern RR of Mass., Revere Station ~Boston MA	--29-32
64. 1880 -- Oct 09, trains collide, Pennsylvania Railroad, Pittsburgh, PA	--27-32
65. 1907 -- July 20, excursion and freight trains collide, Pere Marquette RR, ~Salem, MI	--31-32
66. 1950 -- Feb 17, trains collide head-on, Rockville Centre Station, Rockville Centre, NY--	32
67. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA ¹⁹⁸⁵	-- 32
68. 1855 -- Nov 01, bridge failure under excursion train, Gasconade, MO ¹⁹⁸⁶	--20-31
69. 1923 -- Sep 27, flooding, bridge washout/train derails, near Lockett, WY (in Flooding)--	31
70. 1940 -- Apr 19, speeding <i>Lake Shore Ltd.</i> train derails, Gulf Curve, Little falls, NY	-- 31

¹⁹⁷⁹ Cross-listed in Explosions and in Hazardous Materials.

¹⁹⁸⁰ Cross-listed under Structural Failure-Trestle and Flooding.

¹⁹⁸¹ Cross-listed in Explosions.

¹⁹⁸² Cross-listed in Explosions and in Hazardous Materials incidents.

¹⁹⁸³ Cross-listed in Hazardous Materials incidents.

¹⁹⁸⁴ Cross-listed in Hazardous Materials incidents.

¹⁹⁸⁵ Cross-listed in Vehicular/Road/Highway events.

¹⁹⁸⁶ Cross-listed in Structural Failures – Bridges/Trestles.

RAIL Events -- By MORTALITY (continued):

71. 1854 -- July 04, two-train collision, near Relay House, Baltimore, MD	-- 30
72. 1864 -- Sep 01, Confederate wounded transport train collision, Barnesville, GA	-- ~ 30
73. 1879 -- Oct 09, rear-end train collision, Michigan Central RR, Jackson, MI	-- 30
74. 1896 -- July 11, trains collide head-on, Chicago & Northwestern RR, Logan, IA	-- 30
75. 1897 -- Sep 08, trains collide, Santa Fe Railroad, near Emporia, KS	-- 30
76. 1897 -- Sep 10, trains Collide, fire, near Newcastle, CO	-- 30
77. 1902 -- Sep 01, excursion train derailment, Southern Railway, near Berry, AL	-- 30
78. 1926 -- Sep 05, train derailment, near Waco, CO	-- 30
79. 1956 -- Jan 22, speeding Santa Fe RDC train overturns in curve, Redondo Jct., LA, CA--	30
80. 1890 -- May 30, train falls through open drawbridge, drownings, Oakland, CA	-- 29
81. 1899 -- May 12, trains collide, Philadelphia & Reading Railroad, Exeter, PA	-- 29
82. 1902 -- May 12, explosion, freight train oil and naphtha cars, Sheraden, PA ¹⁹⁸⁷	--20-29
83. 1904 -- Oct 10, freight and passenger trains collide, near Warrensburg, MO	--27-29
84. 1907 -- Jan 19, trains collide in fog, Big Four Line, Fowler, IN ¹⁹⁸⁸	--23-29
85. 1911 -- Aug 25, train derailment, Lehigh Valley Rail Road, Manchester, NY	-- 29
86. 1940 -- Mar 14, train hits farm workers truck at Highway 83 crossing, Alamo, TX ¹⁹⁸⁹	-- 29
87. 1943 -- Aug 30, Lackawanna Limited train collision, near Wayland, NY	--28-29
88. 1944 -- Sep 14, train Collision, Terre Haute, IN	-- 29
89. 1893 -- Oct 20, World's Fair excursion trains collide head-on, burn, ~Battle Creek MI--	28
90. 1907 -- Mar 28, Sunset Express train derails, Southern Pacific Rail, Colton, CA	--24-28
91. 1914 -- Sep 15, flooding, bridge washout, train derails, Lebanon, MO (in Flooding)	-- 28
92. 1864 -- Sep 27, train robbery/murders, Bill Anderson/Jesse James, Centralia, MO ¹⁹⁹⁰	--22-27
93. 1888 -- Mar 17, trestle collapse, West India mail train derails, Blackshear, GA ¹⁹⁹¹	--25-27
94. 1916 -- Mar 29, three train collision in fog, near Amherst, OH ¹⁹⁹²	-- 27
95. 1916 -- Aug 12, runaway trolley car collision, near Ebensburg and Johnstown, PA	--26-27
96. 1921 -- Dec 05, trains collide & burn, Philadelphia & Reading RR ~Bryn Athyn, PA	--26-27
97. 1868 -- Apr 15, broken rail, train derails, fire, Carr's Rock, Pike County, PA	--22-26
98. 1880 -- Aug 11, trains collide, West Jersey & Atlantic Railroad, Mays Landing, NJ	--23-26
99. 1903 -- Aug 7, brake fails, Wallace Circus trains collide, Grand Trunk RR, Durand, MI--	26
100. 1905 -- June 17, trains collide, Western MD Road, near Patapsco Station, MD	--23-26
101. 1938 -- Dec 01, train hits Jordan High School bus at crossing, Midvale, UT ¹⁹⁹³	-- 26
102. 1855 -- Aug 29, RR crossing crash & derailment, North PA RR, Burlington, NJ	-- 25
103. 1870 -- May 12, train collision, Missouri Pacific RR, near Eureka, MO	-- 25
104. 1872 -- Dec 24, train derailment and fire, near Prospect Station, Goose Creek, NY	--19-25

¹⁹⁸⁷ Cross-listed in Explosions and in Hazardous Materials incidents.

¹⁹⁸⁸ Cross-listed in Fog as a Contributing Factor.

¹⁹⁸⁹ Cross-listed in Road/Highway.

¹⁹⁹⁰ Cross-listed in Violence-Civil War Atrocities/War Crimes and in Violence-Mass Murder. "Several" or "some" of the fatalities, which we translate as "3" were Centralia residents, not train passengers. The range for train killed generally runs from 22-25, mostly unarmed Union soldiers.

¹⁹⁹¹ Cross listed in Structural Failures (Bridge, Trestle)

¹⁹⁹² Cross-listed in Fog as a Contributing Factor.

¹⁹⁹³ Cross-listed in Highway

- 105. 1883 -- Jan 20, train derails, Southern Pacific Railroad, near Tehachapi, CA --15-25
- 106. 1907 -- Sep 15, freight and passenger trains collide in dense fog ~West Canaan, NH -- 25
- 107. 2008 -- Sep 12, Metrolink 111 and Union Pacific train collision, Chatsworth, CA -- 25

RAIL Events -- By MORTALITY (continued):

- 108. 1883 -- June 23, trains collide, Northern Pacific Railroad, Heron Station, MT -- 24
- 109. 1903 -- Jan 27, trains collide/burn, NJ Central RR, ~Graceland and Plainfield, NJ --23-24
- 110. 1903 -- July 07, trains collide, Rockfish Depot, 20 miles S of Charlottesville, VA --23-24
- 111. 1904 -- Feb 19, trains collide, dynamite explodes, Jackson Station, NV¹⁹⁹⁴ -- 24
- 112. 1907 -- Feb 16, electric train derailment, Harlem Division, NY Central Rail, Bronx --23-24
- 113. 1919 -- Dec 20, trains collide/fire, near Onawa, ME --23-24
- 114. 1939 -- Aug 12, sabotage, *City of San Francisco* derails, Humboldt Riv. Gorge ~Harney, NV--24
- 115. 1947 -- Feb 18, train derails, Pennsylvania Railroad's *Red Arrow*, near Altoona, PA -- 24

- 116. 1883 -- July 27, "Thousand Islands" passenger train hits railcar, Carlton, NY --17-23
- 117. 1890 -- Aug 19, Cape Cod Express train derails, Old Colony Railroad, ~Quincy, MA-- 23
- 118. 1901 -- July 10, Chicago & Alton Road trains collide head-on, ~Norton, MO --21-23
- 119. 1905 -- May 11, trains collide, blasting powder explodes/fire, SE Harrisburg, PA¹⁹⁹⁵-- 23
- 120. 1910 -- July 04, head-on train collision, Middletown, OH -- 23
- 121. 1912 -- July 05, train collision, Ligonier, PA -- 23
- 122. 1933 -- Sep 05, passenger and milk trains collide, Erie Railroad, Binghamton NY --14-23
- 123. 1959 -- June 28, train derails on river trestle, LPG-tank rupture/flash-fire ~Meldrim, GA-23

- 124. 1871 -- Feb 06, train collision, Wappingers Creek, New Hamburg, NY -- 22
- 125. 1886 -- Oct 28, train derailment and fire, near East Rio, WI -- 22
- 126. 1890 -- Sep 19, three train collision, Shoemakersville, Berks County, PA -- 22
- 127. 1903 -- Dec 26, passenger trains collide head-on, East Paris near Grand Rapids, MI -- 22
- 128. 1906 -- Mar 16, Denver & R.G. passenger trains collide, Adobe, CO -- 22
- 129. 1906 -- July 22, passenger and freight trains collide near Hamlet, NC --20-22
- 130. 1919 -- Jan 12, trains collide (rear-end), NY Central Railroad, South Byron, NY --20-22
- 131. 1922 -- Dec 13, trains collide, Humble, TX -- 22
- 132. 1930 -- Apr 11, train hits Pickwick-Greyhound bus, near Isleta, NM -- 22

- 133. 1853 -- Apr 25, trains collide at track crossing (negligence), Grand Crossing ~Chicago, IL--18-21
- 134. 1897 -- Oct 24, train wreck, New York Central & Hudson River RR, Garrison, NY-- 21
- 135. 1905 -- Jun 21, sabotage, train derails, Twentieth Century Ltd., Mentor OH¹⁹⁹⁶ --19-21
- 136. 1908 -- Sep 25, trains collide in snowstorm, Young's Point, near Park City, MT --20-21
- 137. 1909 -- Jan 15, train collision, Denver and Rio Grande RR, Dotsero, CO -- 21
- 138. 1913 -- Sep 02, trains collide, North Haven CT -- 21
- 139. 1924 -- Feb 02, interurban traction trains collide/fire, edge of Alfont, IN --19-21
- 140. 1927 -- Oct 14, interurban railcar hits truck-trailer with people, Indianapolis, IN --20-21
- 141. 1953 -- Mar 27, 3 trains (2 passenger, 1 freight) involved in collision ~Conneaut OH, in PA--21

¹⁹⁹⁴ Cross-listed in Explosions and in Hazardous Materials.

¹⁹⁹⁵ Cross-listed in Explosions and in Hazardous Materials.

¹⁹⁹⁶ Cross-listed in Violence Subsections Mass Murder and Sabotage.

RAIL Events -- By MORTALITY (continued):

142.	1867 -- Dec 11, train goes into river, Central Vermont Railroad, near Northfield, VT--	15-20
143.	1877 -- Aug 29, bridge washout, train goes into Little Four Mile Creek, ~Des Moines, IA ¹⁹⁹⁷ --	20
144.	1886 -- Sep 14, trains collide, Nickel-Plate Railroad, Silver Creek, NY	-- 20
145.	1887 -- Jan 04, freight and passenger trains collide head-on, fire, Republic, OH	-- ~20
146.	1888 -- July 22, trains collide, Forest Depot, near Lynchburg, VA	--13-20
147.	1891 -- Aug 27, train derailed off Boston's Bridge, near Statesville, NC	-- 20
148.	1902 -- Dec 20, train collision, Stockton Flyer/LA Owl, Bryon Springs, CA	-- 20
149.	1903 -- Nov 19, Big Four Railway freight and work trains collide near Tremont, IL	-- 20
150.	1904 -- Jan 06, two Rock Island trains collide, near Willard & Topeka, KS	-- 20
151.	1904 -- July 03, train derailed, Wabash Railroad, Litchfield, IL	-- 20
152.	1905 -- Nov 26, trains collide, Bakers Bridge, MA	--17-20
153.	1911 -- Oct 28, train wreck, Union Pacific Railroad, near Cheyenne, WY	-- 20
154.	1917 -- Feb 27, trains collide in fog, Pennsylvania Railroad, Mount Union, PA ¹⁹⁹⁸	-- 20
155.	1918 -- Oct 03, train runs into passengers in fog, East Bedford, OH ¹⁹⁹⁹	-- 20
156.	1929 -- Jan 22, train hits Greyhound Bus in snowstorm, near Bellevue, OH ²⁰⁰⁰	-- 20
157.	1956 -- Sep 05, switching error, Santa Fe Express trains collide, near Robinson, NM--	20
158.	1961 -- Dec 14, train and school bus collision, Auburn, CO ²⁰⁰¹	-- 20
159.	1878 -- Oct 08, train derailment, Old Colony Road, Wollaston, near Boston, MA	-- 19
160.	1891 -- July 03, freight and passenger trains collide, burn, at depot, Ravenna, OH	-- 19
161.	1917 -- Aug 13, trains collide, near North Branford, CT	-- 19
162.	1926 -- Dec 23, trains collide, near Rockmart, GA	-- 19
163.	1945 -- June 15, freight train car derailed/hit by passenger train (cars derail), Milton, PA--	19
164.	1946 -- Dec 13, <i>Golden Triangle</i> passenger train hits stopped freight trains ~Coulter, OH--	19
165.	1962 -- July 28, "Baseball" train derailed, Susquehanna Riv., Steelton, ~Harrisburg, PA--	19
166.	1889 -- Apr 28, train derailed, burns, Hamilton, Ontario, Canada	--20; US 13-18
167.	1891 -- July 4, train cars go through fire-damaged trestle near Charleston, WV	--14-18
168.	1898 -- Sep 5, Troy City Rail car/D&H train collide, Cohoes Crossing, Albany, NY	-- 18
169.	1911 -- May 29, trains collide in fog, Chicago, Burlington & Quincy RR, McCook, NE--	18
170.	1934 -- Dec 27, engine hauling mine workers boiler explosion, , McDunn WV ²⁰⁰²	-- 18
171.	1889 -- July 02, flash flood, washout/train derailment, fire, near Thaxton, VA ²⁰⁰³	-- 17
172.	1895 -- Nov 16, streetcar goes into Cuyahoga River, Cleveland, OH	-- 17
173.	1899 -- Jan 09, trains collide, Lehigh Valley Railroad near West Dunellen, NJ	-- 17
174.	1901 -- Feb 21, "Nellie Bly" train collision/fire, Rusling's Siding, ~Bordentown, NJ--	17
175.	1902 -- Jan 08, trains collide, "New Rochelle Car," Park Avenue Tunnel, NYC	-- 17

¹⁹⁹⁷ Cross-listed in Flooding. Storm heavy rainfall led to flooding which washed out the train bridge.

¹⁹⁹⁸ Cross-listed in Fog as a Contributing Factor.

¹⁹⁹⁹ Cross-listed in Fog as a Contributing Factor.

²⁰⁰⁰ Cross-listed in Highway and winter Storm

²⁰⁰¹ Cross-listed in Highway.

²⁰⁰² Cross-listed in Rail.

²⁰⁰³ Cross-listed in Flash Flooding.

176. 1903 -- Mar 09, train wreck/fire, delayed oil/gasoline tanker explosion, Olean, NY²⁰⁰⁴-- 17
 177. 1903 -- Oct 17, fog, work trains collide, Washington Crossing, near Trenton, NJ²⁰⁰⁵ -- 17
 178. 1903 -- Oct 31, Purdue Football Team train wreck, 18th St., Indianapolis, IN -- 17
 179. 1904 -- July 10, trains collide, Greenwood Lake Div, Erie R.R., Midvale, NJ -- 17
 180. 1909 -- Oct 08, trains collide, Topeka, KS -- 17
 181. 1913 -- Oct 19, train derailment, Buckatunna, MS -- 17
 182. 1918 -- Jan 14, train derailment and collision, Hammond, TX -- 17
 183. 1920 -- Jul 03, trains collide, Lackawanna & WY Valley RR, South Pittston, PA -- 17
 184. 1951 -- Nov 12, snowstorm, high-speed passenger train runs into slow train ~Evanston, WY--17
 185. 1951 -- Nov 25, New York and New Orleans trains collide head-on ~Woodstock, AL-- 17

RAIL Events -- By MORTALITY (continued):

186. 1893 -- Aug 26, trains collide, Harlem Road, Berlin, NY -- 16
 187. 1901 -- Jun 26, trestle fails under train, weakened by recent rain, near Peru, IN -- 16
 188. 1908 -- Oct 15, wildfire, relief train derailed, burns, Nowicki Siding ~Metz, MI²⁰⁰⁶ --15-16
 189. 1909 -- July 31, electric trains collide dead-on, Gibbs, near Coeur d'Alene, ID -- 16
 190. 1909 -- Dec 15, train derailment, Reedy Fork trestle, near Greensboro, NC --12-16
 191. 1913 -- July 13, Pacific Electric RR trains collide, near Vineyard Station, L.A., CA -- 16
 192. 1919 -- Nov 01, train hits "auto truck" at grade crossing, Clarksboro, NJ --14-16
 193. 1926 -- June 16, trains collide, Pennsylvania Railroad, near Gray, PA -- 16
 194. 1928 -- Aug 24, subway train crash, 42nd Street-Times Square Station, NYC -- 16
 195. 1942 -- Oct 28, bus with children/workers goes past flashing lights, hit by Train, Detroit, MI--16
 196. 1978 -- Feb 24, train derailed Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN-- 16
 197. 1987 -- Jan 4, Amtrak 94 rear-ends Conrail ENS-121 freight train, Chase, MD -- 16
198. 1871 -- July 03, bridge fails under train, Harpeth River, near Nashville, TN²⁰⁰⁷ -- 15
 199. 1876 -- Mar 06, bridge fails under train, Valley Div., B&O, Shenandoah Co., VA²⁰⁰⁸-- 15
 200. 1878 -- Aug 07, train collision, Panhandle Rail, near Mingo Junction, OH -- 15
 201. 1883 -- Jan 23, train derailed, Georges Creek & Cumberland Rd., ~Cumberland, WV-- 15
 202. 1887 -- July 21, train runs into work-gang, Erie Railroad, near Hohokus, NY -- 15
 203. 1887 -- July 27, trains collide, Chicago/Alton RR, between Hopedale & Delavan, IL-- 15
 204. 1900 -- Aug 12, train hits horse-drawn coach at grade crossing ~Slatington, PA²⁰⁰⁹ --13-15
 205. 1901 -- Aug 29, train derailed, Sodus Bay Division, near Newark, NY --14-15
 206. 1902 -- Jan 08, South Norwalk & NY Central White Plains Train Collision, NYC -- 15
 207. 1902 -- Mar 07, passenger train derailed (broken rail), burns, near Maxon Station, TX-- 15
 208. 1905 -- Aug 13, Trains Collide, Nickel Plate Road, Kishman, OH --12-15
 209. 1905 -- Aug 17, train goes into Elizabeth River, Atlantic Coast Line, Bruce, VA -- 15
 210. 1911 -- Sep 24, Train Collision with Hay Wagon at Crossing, Neenah, WI²⁰¹⁰ -- 15
 211. 1912 -- Nov 11, trains collide, Montz, LA -- 15

²⁰⁰⁴ Cross-listed in Explosions and in Hazardous Materials.

²⁰⁰⁵ Cross-listed in Fog as a Contributing Factor.

²⁰⁰⁶ Cross-listed in Fire – Wildfires/Forest Fires. Total loss of life was 37-47.

²⁰⁰⁷ Cross-listed in Structural Failures – Brides/Trestles.

²⁰⁰⁸ Cross-listed in Structural Failures – Brides/Trestles.

²⁰⁰⁹ Cross-listed in Road/Highway -- Rail Crossing Collisions.

²⁰¹⁰ Cross-listed in Road/Highway – Rail Crossing Collisions.

212.	1912 -- Nov 13, trains collide, Indianapolis, IN	--	15
213.	1918 -- July 20, trains collide, near Chelsea, MI	--	15
214.	1918 -- Sep 17, trains collide, near Marshfield, MO	--	15
215.	1919 -- Aug 14, train & street car collide, Parmaco, near Parkersburg, WV	--	15
216.	1920 -- Jun 09, trains collide, near Schenectady, NY	--	15

RAIL Events – Deadliest American -- By MORTALITY (Cont.)

217.	1859 -- Nov 01, train derails, Johnson Creek, WI	--	14
218.	1859 -- Dec 31, train and bridge disaster, near Columbus, GA	--	14
219.	1873 -- Aug 16, trains collide, Chicago and Alton Railroad, Lemont, IL	--	14
220.	1884 -- May 14, trains collide, Baltimore & Ohio RR, near Connellsville, PA	--	14
221.	1888 -- Jan 10, train derailment, Merrimac River Bridge, Haverhill, MA	--	9-14
222.	1892 -- Sep 08, laborer and passenger trains collide near Eckenrode Mills, PA	--	14
223.	1893 -- Oct 13, NY excursion train rear-ended by second train, depot, Jackson, MI	--	12-14
224.	1900 -- Sep 02, milk and excursion trains collide, Reading RR, Hatfield, PA	--	13-14
225.	1902 -- July 04, trolleys collide, Mt. Lake RR, Bleecker Mt. near Gloversville, NY	--	13-14
226.	1903 -- Jan 28, trains collide/burn on Southern Pacific, Esmond, near Tucson, AZ	--	≥14
227.	1907 -- Aug 30, electric trains collide (trolley & express), near Charleston, IL	--	14
228.	1911 -- July 11, train derailment, Burr Crossing, Bridgeport, CT	--	14
229.	1916 -- Oct 01, freight train/street car (trolley) crossing collision, Detroit, MI	--	10-14
230.	1919 -- Jan 13, trains collide, Fort Washington, PA (near Philadelphia)	--	14
231.	1929 -- Aug 18, train derailment, Henryetta, OK	--	14
232.	1930 -- Feb 23, train/car/train collisions, near Kenosha, WI	--	14
233.	1935 -- Apr 12, school bus & train collision, grade-crossing, Rockville, MD ²⁰¹¹	--	14
234.	1942 -- Sep 24, three-train crash, Smith's Cut, south of Frederick, ~Dickerson, MD	--	14
235.	1948 -- Jan 1, speeding Missouri Pacific train rams 2 nd train in snowstorm ~Otterville, MO--	--	14
236.	1960 -- Mar 01, train and oil tank truck collide, explosion, Bakersfield, CA ²⁰¹²	--	14
237.	1837 -- Aug 11, trains collide, Portsmouth & Roanoke Line, near Suffolk, VA	--	13
238.	1853 -- Aug 12, train collision, Valley falls Station, Pawtucket, RI	--	13
239.	1878 -- Jan 15, Conn. Western train falls into river when bridge fails, Tariffville, CT--	--	13
240.	1886 -- Apr 07, train derails between Bardswell Ferry & W. Durfield Station, MA	--	13
241.	1891 -- May 19, dynamite explosion, construction train, near Tarrytown, NY ²⁰¹³	--	13
242.	1891 -- July 31, train wreck, near Louisville, KY	--	13
243.	1891 -- Dec 24, train wreck, NY Central and Hudson River RR, near Hastings NY	--	13
244.	1892 -- May 20, passenger/freight trains collide, Crooked Bayou near Goldman, AR--	--	9-13
245.	1892 -- Sep 21, express & freight trains collide, fire, Fort Wayne road, Shreve, OH	--	11-13
246.	1893 -- Aug 31, bridge fails, train wreck, near Chester, MA ²⁰¹⁴	--	13
247.	1894 -- Jan 15, trains collide, near Hoboken, NJ	--	11-13
248.	1902 -- Aug 06, work and freight trains collide head-on, near Rhodes, IA	--	13
249.	1905 -- Oct 30, Atchison, Topeka & Santa Fe train derails near Kansas City, MO	--	13

²⁰¹¹ Cross-listed in Highway-Bus.

²⁰¹² Cross-listed in Hazardous Materials Transportation and in Road/Highway.

²⁰¹³ Cross-listed in Explosions and in Hazardous Materials Transportation.

²⁰¹⁴ Cross-listed in Structural Failures – Bridge/Trestles.

250. 1906 -- July 03, runaway mine car hits pedestrians, near Portage, PA --11-13
 251. 1912 -- July 14, trains collide, Western Springs, IL -- 13
 252. 1913 -- June 19, electric trains collide, S.F., Napa & Calistoga RR, near Vallejo, CA-- 13
 253. 1918 -- Feb 25, trains collide, near Frost Station, SC -- 13
 254. 1920 -- Sep 06, trains collide, Denver & Interurban Railroad, near Globeville, CO -- 13
 255. 1924 -- June 01, train derailment/collision, Wabash RR, Williamsport, IN -- 13
 256. 1947 -- Feb 17, train-crew bus drives into path of one-car electric train, Andry, IN -- 13
 257. 1956 -- Feb 28, speeding train hits stopped train in snow storm, Swampscott, MA -- 13
 258. 1966 -- Dec 28, train hits stalled oil tank truck at RR crossing, fire, Everett, MA²⁰¹⁵ -- 13
 259. 1973 -- July 05, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ²⁰¹⁶--13

RAIL Events – Deadliest American -- By MORTALITY (Cont.)

260. 1865 -- Feb 04-5, bridge fails, train falls into Lee’s Creek, burns, ~Leesburg, OH²⁰¹⁷--11-12
 261. 1884 -- Oct 02, washout, Omaha RR construction train derails near Bayfield, WI --10-12
 262. 1884 -- Nov 13, sabotage, Houston & TX Central train derails, ~Hempstead, TX²⁰¹⁸-- 9-12
 263. 1885 -- Oct 18, trains collide (3), near Jersey City, NJ -- 12
 264. 1889 -- June 26, three trains collide, burn, Loyal Hanna Bridge, near Latrobe, PA --10-12
 265. 1892 -- June 25, trains collide, Western Express, near Union Station, Harrisburg, PA-- 12
 266. 1893 -- Sep 07, trains collide, Fort Wayne Route, near Colehour, IL -- 12
 267. 1898 -- Nov 18, PA train runs-down workmen in fog, Hackensack Meadows, NJ²⁰¹⁹--11-12
 268. 1903 -- Jan 20, trains collide, Great Northern RR, ~Chiwakum, Chelan County, WA-- ≥12
 269. 1905 -- Sep 11, 9th Avenue elevated train derails on 53rd Street curve, NY, NY -- 12
 270. 1909 -- June 19, trains collide, Burns Harbor, IN -- 12
 271. 1911 -- Apr 29, train derails, Penn. Railroad, Martin’s Creek Station, NJ -- 12
 272. 1911 -- Dec 18, trains collide, Chicago, Milwaukee, St. Paul RR, Odessa, MN -- 12
 273. 1917 -- July 01, washout under track, trolley goes into Niagara River, Niagara Co., NY--12
 274. 1919 -- July 01, trains collide, Dunkirk, NY -- 12
 275. 1925 -- Jun 08, train derails, Chesapeake & OH Railway, near Converse, IN -- 12
 276. 1929 -- July 09, train derails and is hit by 2nd train, Erie Railroad, near Corning, NY-- 12
 277. 1942 -- Jul 08, Liberty Bell trolley and freight car collide, near Norristown, PA -- 12
 278. 1976 -- Feb 07, train hits camper-truck of children, grade crossing, Beckemeyer, IL -- 12
279. 1862 -- Nov 07, train car ammunition explosion, ~Lafourche station, Algiers, LA²⁰²⁰-- ~11
 280. 1865 -- Aug 15, train collision “Fairfield” and “Bridgeport,” near Bridgeport, CT -- 11
 281. 1873 -- Apr 19, train derails at washed-out bridge, Richmond Switch, RI²⁰²¹ -- 11
 282. 1875 -- July 5, trains collide, Long Island So. RR ~Far Rockaway Depot, LI, NY -- 11
 283. 1877 -- Oct 4, tropical storm flooding, rails wash out, train derails ~Kimberton, PA²⁰²²-- 11
 284. 1885 -- Dec 15, train collision, Georgia Pacific Rail, near Austell, GA -- 11

²⁰¹⁵ Cross-listed in Vehicular—Road/Highway

²⁰¹⁶ Cross-listed in Explosions and in Hazardous Materials.

²⁰¹⁷ Cross-listed in Structural Failures – Railroad Bridges and Trestles.

²⁰¹⁸ Cross-listed in Violence, Sabotage.

²⁰¹⁹ Cross-listed in Fog as a Contributing Factor.

²⁰²⁰ Today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Explosions.

²⁰²¹ Cross-listed in Flash Flooding as well as under Bridge Failures.

²⁰²² Cross-listed in Hurricanes/Tropical Storms and Remnants.

RAIL Events – Deadliest American -- By MORTALITY (continued):

285.	1888 -- June 26, trains collide, Penn & Schuylkill RR, Cable City, ~Shamokin PA	-- 6-11
286.	1889 -- Dec 28, C&O train derails, Jary's Run, near White Sulphur Springs, WV	--10-11
287.	1891 -- Aug 06, trains collide in fog, West Shore Railroad, "Dutcher's Cut," NY ²⁰²³	-- 11
288.	1896 -- Feb 06, train bridge fails (repairmen die), Pequabuck Riv., East Bristol CT ²⁰²⁴	-- 11
289.	1901 -- July 11, Nickel Plate RR bridge collapse, train crash, Springfield, PA ²⁰²⁵	-- 11
290.	1903 -- Sep 27, train derails at trestle, Southern Rail train # 97, Danville, VA	-- 11
291.	1906 -- Jun 03, trolley upset, Providence, RI	-- 11
292.	1906 -- Dec 23, passenger and freight trains collide in fog, Enderlin, ND	--10-11
293.	1910 -- Aug 08, Northwestern Pacific Railroad train crash, Ignacio, CA	-- 11
294.	1912 -- Dec 03, trains collide, Dresden, OH	-- 11
295.	1915 -- Oct 16, flash flood, bridge fails, train derails, Randolph, KS ²⁰²⁶	-- 11
296.	1915 -- Nov 22, circus and passenger trains collide, near Columbus, GA	-- 11
297.	1916 -- Oct 15, trains collide, Burlington Railroad, Elwood, near Smithfield, NE	-- 11
298.	1918 -- Sep 10, trains collide, near Birdsell, NE	-- 11
299.	1925 -- Mar 22, trains collide in dense fog, Ricohoc, LA (cross-listed in Fog)	-- 11
300.	1933 -- Aug 29, storm, bridge weakened, train wrecks, Tucumcari, NM ²⁰²⁷	-- 11
301.	1933 -- Dec 14, school bus hit, Atlantic Coast Line train, near Crescent City, FL	-- 11
302.	1936 -- Jan 24, train hits car at crossing, all 11 members of family killed, Grabill, IN	-- 11
303.	1936 -- Mar 28, Central Georgia train and bus collide at grade crossing, Bryon GA	-- 11
304.	1955 -- Aug 22, school bus hit by train at grade crossing, Spring City, TN	-- 11
305.	1971 -- June 10, Amtrak train derails, northbound City of New Orleans, near Salem, IL	--11
306.	1977 -- Feb 04, CTA elevated L trains crash; 4 cars fall onto street below, Chicago, IL	-- 11
307.	1996 -- Feb 16, MARC 286 & Amtrak 29 trains collide/fire ~Silver Spring, MD	-- 11
308.	1999 -- Mar 15, Amtrak train & truck collision, grade crossing, Bourbonnais, IL	-- 11
309.	2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA ²⁰²⁸	-- 11
310.	1865 -- Mar 07, trains collide, Wash. Express, Camden & Amboy RR, Bristol, NJ	-- 10
311.	1867 -- Sep 05, Branch River Bridge fails, Naugatuck train fall ~Thomaston CT ²⁰²⁹	-- 10
312.	1869 -- July 14, trains collide, Erie Express, Mast Hope, NY	-- 10
313.	1871 -- July 25, trains collide, Toledo and Wabash Railroad, 16M ~St. Louis, MO	-- 8-10
314.	1882 -- Jan 13, Hudson River RR 2-train collision, Spuyten Duyvil, NY	-- 10
315.	1884 -- Aug 28/29, Orton's Anglo-American Circus Train fire, near Greeley, CO	-- 10
316.	1886 -- Dec 31, trains collide/fire, Southern Pacific Railroad, Devil's River, TX	-- ~10
317.	1887 -- ~Sep 22, Trains Collide, near Guthrie (Indian Territory), OK ²⁰³⁰	--?8-10
318.	1887 -- Oct 10, trains collide, near Kout, IN	-- 10
319.	1888 -- Jul 12, Fat Nancy Trestle failure/train wreck, ~Orange Court House VA ²⁰³¹	-- 9-10

²⁰²³ Cross-listed in Fog as a Contributing Factor.

²⁰²⁴ Cross-listed in Structural Failures.

²⁰²⁵ Cross-listed in Structural Failures – Bridge/Trestles

²⁰²⁶ Cross-listed in Flash Flooding as well as under Bridge Failures.

²⁰²⁷ Cross-listed under Structural Failure (Bridge/Trestle).

²⁰²⁸ Cross-listed in Road/Highway/Vehicular Incidents, and in Violence/Manslaughter.

²⁰²⁹ Cross-listed in Structural Failures (Bridge/Trestle)

²⁰³⁰ Have not located sufficient material to be confident of the date or the number of fatalities.

²⁰³¹ Cross-listed in Structural Failures (Bridge/Trestle)

RAIL Events – Deadliest American -- By MORTALITY (continued):

320.	1888 -- Oct 16, trains collide, near Tamanend switch, PA	-- 10
321.	1889 -- Jan 14, passenger and freight trains collide, burn, near Tallmadge, OH	-- 8-10
322.	1890 -- Feb 02, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR ²⁰³²	-- 9-10
323.	1891 -- July 12, Train Engine and train collide, scalding, near Aspen Junction, CO	-- 10
324.	1892 -- Jan 19, train hits Clover Fishing Club sleighing party, St Louis, MO ²⁰³³	-- ~10
325.	1893 -- May 7, Runaway Train Wreck, Brake Failure, near Lafayette, IN	-- 10
326.	1893 -- Sep 23, Train Wreck, Kingsbury, IN	-- 10
327.	1903 -- Feb 19, Trolley Car with HS students, Train collide at crossing, Newark, NJ	-- 9-10
328.	1903 -- June 19, Trains Collide Head-on, Illinois Central Railroad near Raymond, IA	-- 10
329.	1903 -- Dec 21, Train Wreck, St. Louis & SF Train, Near Fort Scott, KS	-- 10
330.	1905 -- Feb 01, Sleigh and Train Collision, Shawmut Crossing, near Arkport, NY	-- 10
331.	1905 -- Aug 20, Street Car and Freight Train Crossing Collision, Butte, MT	-- 10
332.	1905 -- Dec 7, Trains collide, Union Pacific freight/Overland Ltd., ~Rock Springs WY	--10
333.	1906 -- March 26, Bridge Fails Under Train, Drownings, near Natrona, WY ²⁰³⁴	-- 10
334.	1906 -- May 04, Trains Collide, Clover Creek Junction, PA	-- 10
335.	1909 -- Aug 14, Head-on Train Collision, near Husted, CO	-- 10
336.	1910 -- Dec 19, train crash and gas explosion, Grand Central Station yard, NY ²⁰³⁵	-- 10
337.	1911 -- March 25, Dixie Flyer Train breaks axle, Derails on Trestle, near Ocilla, GA	-- 9-10
338.	1913 -- Nov 13, Three Train coaches derail down embankment, near Clayton, AL	-- ~10
339.	1914 -- Sep 18, Malicious Vandalism, Train Derails, Livingston, AL ²⁰³⁶	-- 10
340.	1916 -- Feb 22, Three Train Collision, near Milford, CT	-- 10
341.	1918 -- June 05, Trains Collide, near Burlington, VT	-- 10
342.	1920 -- March 14, Trains Collide, near Riverside, VT	-- 10
343.	1921 -- Feb 22, Trolleys collide head-on, 5-gallon gas can ignites, fire, Shelton, CT ²⁰³⁷	-- 10
344.	1922 -- Aug 12, Train/Truck/Train Collisions, Annandale, MN	-- 10
345.	1925 -- Nov 12, trains collide in fog near Monmouth Junction, NJ ²⁰³⁸	-- 10
346.	1926 -- Sep 02, trains collide, near Monroe, MI	-- 10
347.	1927 -- Jan 22, Baylor Univ. Basketball Team bus hit by train, Round Rock, TX	-- 10
348.	1929 -- July 18, flash flood takes out bridge, train wrecks, Stratton, CO ²⁰³⁹	-- 10
349.	1930 -- Jan 22, train hits school bus, Berea, OH (cross-listed in Road events)	-- 10
350.	1936 -- Nov 24, L Train rear-ended, North Shore Line Interurban, Chicago, IL	-- 10
351.	1937 -- Oct 22, school bus hit by Rock Island Line train <i>Rocket</i> , Mason City, IA	-- 10
352.	1944 -- Sep 28 trains collide, North Western Railroad, near Missouri Valley, IA	-- 10
353.	1944 -- Nov 08, Southern Pacific Challenger train derailment, near Colfax, CA	-- 9-10
354.	1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN	-- 10
355.	1950 -- Sep 2, Milwaukee Interurban excursion trains collide headon ~Milwaukee WI	-- 10
356.	1951 -- May 18, Penn. RR <i>Red Arrow</i> runs into <i>Pittsburgh Flyer</i> ~Bryn Mawr, PA	-- 8-10

²⁰³² Cross-listed in Flooding and in Structural Failures, Rail Bridges and Trestles.

²⁰³³ Cross-listed in Road/Highway/Vehicular Incidents.

²⁰³⁴ Cross-listed in Flood and in Structural Failures, Bridges/Trestles.

²⁰³⁵ Cross-listed in Explosions.

²⁰³⁶ Cross-listed in Violence (other).

²⁰³⁷ All deaths due to fire and/or suffocation.

²⁰³⁸ Cross-listed in Fog as a Contributing Factor

²⁰³⁹ Cross-listed in Structural Failures (Bridge), and under Flash Flooding

RAIL Events – Deadliest American -- By MORTALITY (continued):

357. 1959 -- Mar 18, car hit by train, Beavercreek Girl Scouts, Beavercreek, OH²⁰⁴⁰ -- 10
 358. 1964 -- May 11, train hits station wagon with 8 children at crossing, ~Mesa, AZ²⁰⁴¹ -- 10
 359. 1977 -- Oct 02, Amtrak train hits pickup (3 adults/7minors), RR crossing, Plant City, FL-- 10

Other:

- 1893 -- Jan 18, sleighing party hit by train at grade crossing, Lonsdale, RI -- 9
 1897 -- May 27, trains collide, American falls station, ID -- 9
 1911 -- July 28, head-on train collision, Bangor and Aroostook RR, Grindstone, ME -- 8-9
 1912 -- May 06, train derailment (poorly maintained roadbed) near Eastabuchie, MS -- 9
- 1903 -- Jan 07, trains collide, Cochrane station, PA -- 8
 1915 -- Oct 19, trains collide, Agawam Curve, near Chickasha, OK -- 8
 1916 -- Jan 22, avalanche hits Cascade Limited train, Cascades, ~Corea Station, WA²⁰⁴²--7-8
 1978 -- Feb 26, chlorine release when train derails (no train deaths), Youngstown, FL-- 8
- 1862 -- Jan 15, train goes into canal at open drawbridge near St. George's station, DE -- 7
 1892 -- Mar 01, passenger and "shop train" collide, workmen killed, Milwaukee, WI -- 7
 1897 -- Sep 12, train truck breaks, train derails, Iron Mt. Road, Hanson (I.T.), OK²⁰⁴³ -- 7
 1909 -- Feb 22, trains collide in fog, Delmar, DE -- 7
 1912 -- Oct 03, train derails, NY, New Haven & Hartford RR, Westport, CT -- 7
 1912 -- Nov 19, passenger trains collide near Granite, NC -- 7
 1995 -- Oct 25, school bus stopped at road crossing hit by train, Fox River Grove, IL²⁰⁴⁴-- 7
- 1890 -- Aug 22, runaway gravity car, Mt. Penn Railroad, Mt. Penn, ~Reading, PA -- 5-6
 1891 -- June 19, trains collide (open switch), ~Sauve plantation & New Orleans, LA -- 6
 1961 -- Feb 02, speeding train derails (Philadelphia Racing Special), Bowie, MD -- 6
- 1888 -- Apr 05, train derails, bridge damaged by ice gorge, near New Hampton, IA -- 5
- 1830 -- Dec, first U.S. railroad fatality, Baltimore & Ohio Line -- 1

²⁰⁴⁰ Cross-listed in Road/Highway/Vehicular Incidents.

²⁰⁴¹ Cross-listed in Road/Highway/Vehicular Incidents.

²⁰⁴² Cross-listed in Avalanche.

²⁰⁴³ Sources consulted note that it was thought that two injured would also die, but we have not been able to verify.

²⁰⁴⁴ Cross-listed in Road/Highway/Vehicular Incidents.

RAIL –Train, Electric Rail, Streetcar, Trolley Events– Deadliest US– **CHRONOLOGICAL**

- 1830 -- Dec, first U.S. railroad fatality, Baltimore & Ohio Line -- 1
1. 1837 -- Aug 11, Portsmouth and Roanoke Line trains collide, near Suffolk, VA -- 13
 2. 1853 -- Apr 25, trains collide at track crossing (negligence), Grand Crossing ~Chicago, IL --18-21
 3. 1853 -- May 6, train goes through open drawbridge into Norwalk Riv., So. Norwalk CT--45-46
 4. 1853 -- Aug 12, train collision, Valley Falls Station, Pawtucket, RI -- 13
 5. 1854 -- July 04, two-train collision, near Relay House, Baltimore, MD -- 30
 6. 1854 -- Nov 01, train derailment, Chicago for Rock Island, IL -- 40
 7. 1855 -- Aug 29, RR crossing crash and derailment, North PA RR, Burlington, NJ -- 25
 8. 1855 -- Nov 01, bridge failure under excursion train, Gasconade, MO²⁰⁴⁵ --20-31
 9. 1856 -- July 17, Great Train Wreck, N. PA Railroad, Camp Hill/Ft. Washington, PA --66-67
 10. 1859 -- Jun 28, Springbrook Bridge fails under train, Mishawaka, IN -- 41
 11. 1859 -- Nov 01, train derails, Johnson Creek, WI -- 14
 12. 1859 -- Dec 31, train and bridge disaster, near Columbus, GA -- 14
- 1862 -- Jan 15, train goes into canal at open drawbridge near St. George's station, DE -- 7
13. 1862 -- Nov 07, ammunition explosion, train car, near Lafourche station, Algiers, LA²⁰⁴⁶~11
 14. 1864 -- July 15, head-on Erie RR war-prisoner train/PA coal Train crash ~Shohola PA-- ≥74
 15. 1864 -- Sep 01, Confederate wounded train collision, Barnesville, GA -- ~ 30
 16. 1864 -- Sep 27, train robbery/murders, Bill Anderson/Jesse James, Centralia MO²⁰⁴⁷ --22-27
 17. 1865 -- Feb 04-05, bridge fails, train falls into Lee's Creek, burns, ~Leesburg, OH²⁰⁴⁸ --11-12
 18. 1865 -- Mar 07, trains collide, Washington Express, Camden & Amboy RR, Bristol, NJ-- 10
 19. 1865 -- Aug 15, train collision "Fairfield" and "Bridgeport," near Bridgeport, CT -- 11
 20. 1867 -- Sep 05, Branch River Bridge fails, Naugatuck train falls near Thomaston CT²⁰⁴⁹-- 10
 21. 1867 -- Dec 11, train goes into river, Central VT Railroad, near Northfield, VT --15-20
 22. 1867 -- Dec 18, Lake Shore and Michigan Southern train derailment/fire, Angola, NY --39-50
 23. 1868 -- Apr 15, broken rail, train derails, fire, Carr's Rock, Pike County, PA --22-26
 24. 1869 -- July 14, trains collide, Erie Express, Mast Hope, NY -- 10
25. 1870 -- May 12, train collision, Missouri Pacific RR, near Eureka, MO -- 25
 26. 1871 -- Feb 06, train collision, Wappingers Creek, New Hamburg, NY -- 22
 27. 1871 -- July 03, bridge fails under train, Harpeth River, near Nashville, TN²⁰⁵⁰ -- 15
 28. 1871 -- July 25, trains collide, Toledo and Wabash Railroad, 16M near St. Louis, MO -- 8-10
 29. 1871 -- Aug 26, trains collide, Eastern RR of Mass., Revere Station ~Boston, MA --29-32
 30. 1872 -- Dec 24, train derailment and fire, near Prospect Station, Goose Creek, NY --19-25
 31. 1873 -- Apr 19, train derails at washed-out bridge, Richmond Switch, RI²⁰⁵¹ -- 11

²⁰⁴⁵ Cross-listed in Structural Failures – Bridges/Trestles.

²⁰⁴⁶ Today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Explosions.

²⁰⁴⁷ Cross-listed in Violence-Civil War Atrocities/War Crimes and in Violence-Mass Murder. "Several" or "some" of the fatalities, which we translate as "3" were Centralia residents, not train passengers. The range for train killed generally runs from 22-25, mostly unarmed Union soldiers.

²⁰⁴⁸ Cross-listed in Structural Failures – Railroad Bridges and Trestles.

²⁰⁴⁹ Cross-listed in Structural Failures (Bridge/Trestle)

²⁰⁵⁰ Cross-listed in Structural Failures – Bridges/Trestles.

²⁰⁵¹ Cross-listed in Flash Flooding and in Structural Failures – Bridges/Trestles.

- 32. 1873 -- Aug 16, trains collide, Chicago and Alton Railroad, Lemont, IL -- 14
- 33. 1875 -- July 05, trains collide, Long Island So. RR ~Far Rockaway Depot, LI, NY -- 11
- 34. 1876 -- Mar 06, bridge fails under train, Valley Div., B&O, Shenandoah Co., VA²⁰⁵² -- 15
- 35. 1876 -- Dec 29, bridge fails under *Pacific Express* train, fire, Ashtabula, OH --92--98
- 36. 1877 -- Aug 29, Bridge washout, Train goes into Little Four Mile Creek, ~Des Moines, IA²⁰⁵³-- 20
- 37. 1877 -- Oct 4, Tropical storm flooding, rails wash out, train derails ~Kimberton, PA²⁰⁵⁴-- 11
- 38. 1878 -- Jan 15, Conn. Western train falls into river when bridge fails, Tariffville, CT -- 13
- 39. 1878 -- Aug 07, train collision, Panhandle Rail, near Mingo Junction, OH -- 15
- 40. 1878 -- Oct 08, train derailment, Old Colony Road, Wollaston, near Boston, MA -- 19
- 41. 1879 -- Oct 09, rear-end train collision, Michigan Central Railroad, Jackson, MI -- 30

RAIL -- Train, Electric Rail, Streetcar, Trolley Events -- **Chronological** (continued)

- 42. 1880 -- Aug 11, trains collide, West Jersey & Atlantic Railroad, Mays Landing, NJ --23-26
- 43. 1880 -- Oct 09, trains collide, Pennsylvania Railroad, Pittsburgh, PA --27-32

- 44. 1882 -- Jan 13, Hudson River Railroad two-train collision, Spuyten Duyvil, NY -- 10

- 45. 1883 -- Jan 19/20, Southern Pacific Railroad train derails, near Tehachapas, CA --14-25
- 46. 1883 -- Jan 23, train derails, Georges Creek & Cumberland Rd., (~Cumberland), WV -- 15
- 47. 1883 -- Mar 30, train accident, Cincinnati Southern Railroad, Mason's Station, OH -- 53
- 48. 1883 -- June 23, trains collide, Northern Pacific Railroad, Heron Station, MT -- 24
- 49. 1883 -- July 27, "Thousand Islands" passenger train hits railcar, Carlton, NY --17-23

- 50. 1884 -- May 14, trains collide, Baltimore & Ohio Railroad, near Connellsville, PA -- 14
- 51. 1884 -- Aug 28/29, Orton's Anglo-American Circus Train fire, near Greeley, CO -- 10
- 52. 1884 -- Oct 02, washout, Omaha RR construction train derails near Bayfield, WI --10-12
- 53. 1884 -- Nov 13, sabotage, Houston & TX Central train derails, ~Hempstead, TX²⁰⁵⁵ -- 9-12

- 54. 1885 -- Oct 18, trains collide (3), near Jersey City, NJ -- 12
- 55. 1885 -- Dec 15, train collision, Georgia Pacific Rail, near Austell, GA -- 11

- 56. 1886 -- Apr 07, train derails between Bardswell Ferry & W. Durfield Station, MA -- 13
- 57. 1886 -- Sep 14, trains collide, Nickel-Plate Railroad, Silver Creek, NY -- 20
- 58. 1886 -- Oct 28, train derailment and fire, near East Rio, WI -- 22
- 59. 1886 -- Dec 31, trains collide/fire, Southern Pacific Railroad, Devil's River, TX -- ~10

- 60. 1887 -- Jan 04, freight and passenger trains collide head-on, fire, Republic, OH -- ~20
- 61. 1887 -- Feb 05, train derails (broken rail) into White River, burns, near Hartford, VT -- 37
- 62. 1887 -- Mar 14, Busey Bridge collapses under train, Roslindale, MA²⁰⁵⁶ --23-37
- 63. 1887 -- July 21, train runs into work-gang, Erie Railroad, near Hohokus, NY -- 15

²⁰⁵² Cross-listed in Structural Failures – Brides/Trestles.

²⁰⁵³ Cross-listed in Rail. Storm heavy rainfall led to flooding which washed out the train bridge.

²⁰⁵⁴ Cross-listed in Hurricanes/Tropical Storms and Remnants.

²⁰⁵⁵ Cross-listed in Violence, Sabotage

²⁰⁵⁶ Cross-listed in Structural Failures, Bridges.

64. 1887 -- July 27, trains collide, Chicago/Alton RR, between Hopedale & Delavan, IL -- 15
 65. 1887 -- Aug 10, excursion train falls through burning culvert bridge/burns ~Chatsworth IL--82-85
 66. 1887 -- Sep 22~, trains collide, near Guthrie (Indian Territory), OK²⁰⁵⁷ --?8-10
 67. 1887 -- Oct 10, train collision, near Kout, IN -- 10

RAIL -- Train, Electric Rail, Streetcar, Trolley Events -- **Chronological** (continued)

68. 1888 -- Jan 10, train derailment, Merrimac River Bridge, Haverhill, MA -- 9-14
 69. 1888 -- Mar 17, train derails, trestle collapse, W. India Fast Mail Blackshear, GA²⁰⁵⁸ --25-27
 1888 -- Apr 05, train derails, bridge damaged by ice gorge, near New Hampton, IA -- 5
 70. 1888 -- Jun 26, trains collide, Penn & Schuylkill RR, Cable City, near Shamokin PA -- 6-11
 71. 1888 -- July 12, Fat Nancy Trestle failure, train wreck, near Orange Court House, VA -- 9-10
 72. 1888 -- July 22, trains collide, Forest Depot, near Lynchburg, VA --13-20
 73. 1888 -- Oct 10, Lehigh Valley RR trains collide, Mud Run, Carbon County, PA --64-66
 74. 1888 -- Oct 16, trains collide, near Tamanend switch, PA -- 10
75. 1889 -- Jan 14, Passenger and Freight Trains collide, burn, near Tallmadge, OH -- 8-10
 76. 1889 -- Apr 28, Train Derails, Burns, Hamilton, Ontario, Canada --20; US 13-18
 77. 1889 -- June 26, Three Trains Collide, Burn, Loyal Hanna Bridge, near Latrobe, PA --10-12
 78. 1889 -- July 02, Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA²⁰⁵⁹ -- 17
 79. 1889 -- Dec 28, C&O Train Derails, Jary's Run, near White Sulphur Springs, WV --10-11
80. 1890 -- Feb 02, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR²⁰⁶⁰ -- 9-10
 81. 1890 -- May 30, Train falls through open Drawbridge, Drownings, Oakland, CA -- 29
 82. 1890 -- Aug 19, Train Derails, Cape Cod Express, Old Colony RR, ~Quincy, MA -- 23
 1890 -- Aug 22, Runaway Gravity Car, Mt. Penn Railroad, Mt. Penn, ~Reading, PA -- 5-6
 83. 1890 -- Sep 19, Three Train Collision, Shoemakersville, Berks County, PA -- 22
84. 1891 -- May 19, Dynamite Explosion, Construction Train, near Tarrytown, NY²⁰⁶¹ -- 13
 1891 -- June 19, Trains collide (open switch), ~Sauve plantation & New Orleans, LA -- 6
 85. 1891 -- July 3, Freight and Passenger Trains Collide, Burn, at depot, Ravenna, OH -- 19
 86. 1891 -- July 4, Train cars go through fire-damaged trestle near Charleston, WV --14-18
 87. 1891 -- July 12, Train Engine and train collide, scalding, near Aspen Junction, CO -- 10
 88. 1891 -- July 31, Train Wreck, near Louisville, KY -- 13
 89. 1891 -- Aug 6, Trains Collide, Fog, West Shore Railroad, "Dutcher's Cut," NY²⁰⁶² -- 11
 90. 1891 -- Aug 27, Train Derails off Boston's Bridge, near Statesville, NC -- 20
 91. 1891 -- Dec 24, Train Wreck, NY Central and Hudson River RR, near Hastings, NY -- 13
92. 1892 -- Jan 19, train hits Clover Fishing Club sleighing party, St Louis, MO²⁰⁶³ -- ~10
 1892 -- Mar 01, passenger and "shop train" collide, workmen killed, Milwaukee, WI -- 7

²⁰⁵⁷ Have not located sufficient material to be confident of the date or the number of fatalities.

²⁰⁵⁸ Cross-listed in Structural Failures, Rail Bridges and Trestles.

²⁰⁵⁹ Cross-listed in Flash Flooding.

²⁰⁶⁰ Cross-listed in Flooding and in Structural Failures, Rail Bridges and Trestles.

²⁰⁶¹ Cross-listed in Explosions and in Hazardous Materials Transportation.

²⁰⁶² Cross-listed in Fog as a Contributing Factor.

²⁰⁶³ Cross-listed in Road/Highway.

93. 1892 -- May 20, passenger/freight trains collide, Crooked Bayou near Goldman, AR -- 9-13
 94. 1892 -- June 25, trains collide, Western Express, near Union Station, Harrisburg, PA -- 12
 95. 1892 -- Sep 08, laborer and passenger trains collide near Eckenrode Mills, PA -- 14
 96. 1892 -- Sep 21, express & freight trains collide, fire, Fort Wayne road, Shreve, OH --11-13

RAIL -- Train, Electric Rail, Streetcar, Trolley Events -- **CHRONOLOGICAL** (continued)

- 1893 -- Jan 18, sleighing party hit by train at grade crossing, Lonsdale, RI²⁰⁶⁴ -- 9
 97. 1893 -- Jan 21, Express train collides into oil cars/fire/explos., Wann, ~Alton, IL²⁰⁶⁵-- 33
 98. 1893 -- May 7, Runaway Train Wreck, Brake Failure, near Lafayette, IN -- 10
 99. 1893 -- Aug 26, Trains Collide, Harlem Road, Berlin, NY -- 16
 100. 1893 -- Aug 31, Bridge Fails, Train Wreck, near Chester, MA²⁰⁶⁶ -- 13
 101. 1893 -- Sep 07, Trains Collide, Fort Wayne Route, near Colehour, IL -- 12
 102. 1893 -- Sep 23, Train Wreck, Kingsbury, IN -- 10
 103. 1893 -- Oct 13, NY excursion train rear-ended by second train, depot, Jackson, MI --12-14
 104. 1893 -- Oct 20, World's Fair excursion trains collide head-on, burn, ~Battle Creek MI-- 28

 105. 1894 -- Jan 15, trains collide, near Hoboken, NJ --11-13

 106. 1895 -- Nov 16, Streetcar goes into Cuyahoga River, Cleveland, OH -- 17

 107. 1896 -- July 11, Trains Collide head-on, Chicago & Northwestern RR, Logan, IA -- 30
 108. 1896 -- July 30, Two-Train Collision, Atlantic City, NJ -- 50

 1897 -- May 27, Trains Collide, American falls station, ID -- 9
 109. 1897 -- Sep 08, Trains Collide, Santa Fe Railroad, near Emporia, KS -- 30
 110. 1897 -- Sep 10, Trains Collide, Fire, near Newcastle, CO -- 30
 1897 -- Sep 12, Train truck breaks, train derails, Iron Mt. Road, Hanson (I.T.), OK²⁰⁶⁷-- 7
 111. 1897 -- Oct 24, Train Wreck, New York Central & Hudson River RR, Garrison, NY-- 19

 112. 1898 -- Sep 5, Troy City Rail Car/D&H Train Collide, Cohoes Crossing, Albany, NY-- 18
 113. 1898 -- Nov 18, PA Train runs-down workmen, fog, Hackensack Meadows, NJ²⁰⁶⁸ --11-12

 114. 1899 -- Jan 09, Trains Collide, Lehigh Valley Railroad near West Dunellen, NJ -- 17
 115. 1899 -- May 12, Trains Collide, Philadelphia & Reading Railroad, Exeter, PA -- 29
 116. 1899 -- Aug 06, Train Derailment, Peck's Mill Pond, Oronoque ~ to Bridgeport, CT-- 36

 117. 1900 -- Jun 23, Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA²⁰⁶⁹-- 37
 118. 1900 -- July 04, Trolley Car Derails, Tacoma, WA -- 43
 119. 1900 -- Sep 2, milk and excursion trains collide, Reading Railroad, Hatfield, PA --13-14

²⁰⁶⁴ Cross-listed in Road/Highway.

²⁰⁶⁵ Cross-listed in Hazardous Materials incidents.

²⁰⁶⁶ Cross-listed in Structural Failures – Brides/Trestles.

²⁰⁶⁷ Sources consulted note that it was thought that two injured would also die, but we have not been able to verify.

²⁰⁶⁸ Cross-listed in Fog as a Contributing Factor.

²⁰⁶⁹ Cross-listed in Structural Failure-Trestle and Flooding.

120. 1900 -- Aug 12, train hits horse-drawn coach at grade crossing ~Slatington, PA²⁰⁷⁰ --13-15

RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (continued):

121. 1901 -- Feb 21, “Nellie Bly” train collision/fire, Rusling’s Siding, ~Bordentown, NJ-- 17
122. 1901 -- June 26, trestle fails under train, weakened by recent rain, near Peru, IN²⁰⁷¹ -- 16
123. 1901 -- July 10, Trains Collide head-on, Chicago & Alton Road, ~Norton, MO --21-23
124. 1901 -- July 11, Nickel Plate RR Bridge Collapse, Train Crash, Springfield, PA²⁰⁷² -- 11
125. 1901 -- Aug 29, train derails, Sodus Bay Division, near Newark, NY --14-15
126. 1901 -- Aug 30, Runaway freight cars collide with train, fire ~Nyack station, MT --36-41
127. 1901 -- Nov 27, Passenger trains collide head-on, one burns, Wabash RR ~Seneca, MI-23-100
128. 1902 -- Jan 8, Trains Collide, “New Rochelle Car,” Park Avenue Tunnel, NYC -- 17
129. 1902 -- Mar 07, Passenger Train Derails (broken rail), burns, ~Maxon Station, TX -- 15
130. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA²⁰⁷³ --20-29
131. 1902 -- July 4, Trolleys Collide, Mt. Lake RR, Bleecker Mt. ~Gloversville, NY --13-14
132. 1902 -- Aug 06, Trains Collide head-on, Work and Freight, near Rhodes, IA -- 13
133. 1902 -- Sep 01, Excursion Train Derailment, Southern Railway, near Berry, AL -- 30
134. 1902 -- Dec 20, Train Collision, Stockton Flyer/LA Owl, Bryon Springs, CA -- 20
- 1903 -- Jan 07, Trains Collide, Cochrane station, PA -- 8
135. 1903 -- Jan 20, Trains Collide, Great Northern RR, ~Chiwakum, Chelan County, WA--≥12
136. 1903 -- Jan 27, Trains Collide/burn, NJ Central RR, ~Graceland and Plainfield, NJ --23-24
137. 1903 -- Jan 28, Trains Collide/burn on Southern Pacific, Esmond, near Tucson, AZ -- ≥14
138. 1903 -- Feb 19, Trolley Car with HS students, Train collide at crossing, Newark, NJ-- 9-10
139. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY²⁰⁷⁴-17
140. 1903 -- Jun 19, Trains Collide Head-on, Illinois Central Railroad near Raymond, IA-- 10
141. 1903 -- Jul 07, Trains Collide, Rockfish Depot, 20 miles S of Charlottesville, VA --23-24
142. 1903 -- Aug 7, Brake fails, Wallace Circus trains collide, Grand Trunk RR, Durand, MI- 26
143. 1903 -- Sep 27, Train Derails at Trestle, Southern. Railway Train # 97, Danville, VA-- 11
144. 1903 -- Oct 17, Fog, Work Trains Collide, Washington Crossing, near Trenton, NJ²⁰⁷⁵-- 17
145. 1903 -- Oct 31, Purdue Football Team Train Wreck, 18th St., Indianapolis, IN -- 17
146. 1903 -- Nov 14, Trains Collide and Burn, Illinois Central RR, near Kentwood, LA --30-40
147. 1903 -- Nov 19, Big Four Railway Freight and Work Trains Collide near Tremont, IL-- 20
148. 1903 -- Dec 21, Train Wreck, St. Louis & SF Train, Near Fort Scott, KS -- 10
149. 1903 -- Dec 23, Train Derailment, Baltimore & Ohio Railroad, Connelsville, PA -- 64
150. 1903 -- Dec 26, Passenger trains collide head-on, East Paris near Grand Rapids, MI -- 22
151. 1904 -- Jan 06, Two Rock Island Trains Collide, near Willard & Topeka, KS -- 20
152. 1904 -- Feb 19, trains collide, dynamite explodes, Jackson Station, NV -- 24

²⁰⁷⁰ Cross-listed in Road/Highway -- Rail Crossing Collisions.

²⁰⁷¹ Cross-listed in Structural Failure- Trestle Failure

²⁰⁷² Cross-listed in Structural Failures – Bridge/Trestles

²⁰⁷³ Cross-listed in Explosions and in Hazardous Materials incidents.

²⁰⁷⁴ Cross-listed in Explosions and in Hazardous Materials.

²⁰⁷⁵ Cross-listed in Fog as a Contributing Factor.

- 153. 1904 -- July 03, train derails, Wabash Railroad, Litchfield, IL -- 20
- 154. 1904 -- July 10, trains collide, Greenwood Lake Div., Erie R.R., Midvale, NJ -- 17
- 155. 1904 -- Aug 07, train trestle fails, train wreck, Eden/Pueblo, CO²⁰⁷⁶ ---83-116
- 156. 1904 -- Sep 24, head-on train collision, Southern Railroad, New Market, TN -- 62
- 157. 1904 -- Oct 10, Train Collision, Freight/Passenger, near Warrensburg, MO --27-29

RAIL – Train, Electric Rail, Streetcar, Trolley Events – **CHRONOLOGICAL** (continued):

- 158. 1905 -- Feb 01, Sleigh and Train Collision, Shawmut Crossing, near Arkport, NY -- 10
- 159. 1905 -- May 11, Trains Collide, Blasting Powder Explodes/Fire, SE Harrisburg PA²⁰⁷⁷-- 23
- 160. 1905 -- June 17, Trains Collide, Western MD Road, near Patapsco Station, MD --23-26
- 161. 1905 -- June 21, Sabotage, Train Derails, Twentieth Century Ltd., Mentor OH²⁰⁷⁸ --19-21
- 162. 1905 -- Aug 13, Trains Collide, Nickel Plate Road, Kishman, OH --12-15
- 163. 1905 -- Aug 17, Train goes into Elizabeth River, Atlantic Coast Line, Bruce, VA -- 15
- 164. 1905 -- Aug 20, Street Car and Freight Train Crossing Collision, Butte, MT -- 10
- 165. 1905 -- Sep 11, 9th Avenue Elevated Train Derails on 53rd Street Curve, NY, NY -- 12
- 166. 1905 -- Oct 30, Atchison, Topeka & Santa Fe Train Derails near Kansas City, MO -- 13
- 167. 1905 -- Nov 26, Trains Collide, Bakers Bridge, MA --17-20
- 168. 1905 -- Dec 7, Trains collide, Union Pacific freight/Overland Ltd., ~Rock Springs WY--10

- 169. 1906 -- Mar 16, Denver & R.G. Passenger Trains Collide, Adobe, CO -- 22
- 170. 1906 -- Mar 26, Bridge Fails Under Train, Drownings, near Natrona, WY²⁰⁷⁹ -- 10
- 171. 1906 -- May 04, Trains Collide, Clover Creek Junction, PA -- 10
- 172. 1906 -- Jun 03, Trolley Upset, Providence, RI -- 11
- 173. 1906 -- July 03, Runaway Mine Car Hits Pedestrians, ~Portage, PA --11-13
- 174. 1906 -- July 22, Passenger and Freight Trains Collide near Hamlet, NC --20-22
- 175. 1906 -- Oct 28, Train Derails into Tidal Channel, Atlantic City, NJ --57-62
- 176. 1906 -- Nov 12, Trains Collide, Baltimore & Ohio Railroad, near Woodville, IN --44-50
- 177. 1906 -- Dec 23, Passenger & Freight Trains Collide in Fog, Enderlin, ND --10-11
- 178. 1906 -- Dec 30, trains collide, Terra Cotta (now Fort Totten) Station, Wash. DC --53-59

- 179. 1907 -- Jan 2, Rock Island RR Trains 29#2 & 30 Collide, Fire, near Volland, KS --32-35
- 180. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford IN²⁰⁸⁰ --29-34
- 181. 1907 -- Jan 19, Trains Collide in Fog, Big Four Line, Fowler, IN (also in Fog) --23-29
- 182. 1907 -- Feb 16, Electric Train Derailment, Harlem Div., NY Central Rail, Bronx --23-24
- 183. 1907 -- Mar 28, Train Derails, Sunset Express, Southern Pacific Rail, Colton, CA --24-28
- 184. 1907 -- May 11, Train Derails, Coast Line, Southern Pacific RR, ~Honda, CA --32-40
- 185. 1907 -- July 20, Excursion/Freight Trains Collide, Pere Marquette RR, ~Salem MI --31-32
- 186. 1907 -- Aug 30, Electric Trains Collide (Trolley & Express), near Charleston, IL -- 14
- 187. 1907 -- Sep 15, freight and passenger trains collide in dense fog ~West Canaan, NH-- 25

²⁰⁷⁶ Cross-listed in Structural Failures, Bridges.

²⁰⁷⁷ Cross-listed in Explosions and in Hazardous Materials.

²⁰⁷⁸ Cross-listed in Violence Subsections Mass Murder and Sabotage.

²⁰⁷⁹ Cross-listed in Flood and in Structural Failures, Bridges/Trestles.

²⁰⁸⁰ Cross-listed in Explosions.

RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (continued):

188.	1908 -- Sep 25, trains collide in snowstorm, Young's Point, near Park City, MT	--20-21
189.	1908 -- Oct 15, wildfire, relief train derails, burns, Nowicki Siding ~Metz, MI ²⁰⁸¹	--15-16
190.	1909 -- Jan 15, train collision, Denver and Rio Grande RR, Dotsero, CO	-- 21
191.	1909 -- Jun 19, trains collide, Burns Harbor, IN	-- 12
	1909 -- Feb 22, Trains Collide in Fog, Delmar, DE	-- 7
192.	1909 -- July 31, Electric Trains Collide Head-on, Gibbs, near Coeur d'Alene, ID	-- 16
193.	1909 -- Aug 14, Head-on Train Collision, near Husted, CO	-- 10
194.	1909 -- Oct 08, Trains Collide, Topeka, KS	-- 17
195.	1909 -- Dec 15, Train Derailment, Reedy Fork trestle, near Greensboro, NC	--12-16
196.	1910 -- Mar 01, Avalanche, two Trains Derailed, Stevens Pass, Wellington, WA ²⁰⁸²	-- 118
197.	1910 -- Mar 21, Train Derailment, Rock Island, RR, Green Mt, Gladbrook, IA	-- 49
198.	1910 -- July 04, Head-on Train Collision, Middletown, OH	-- 23
199.	1910 -- Aug 08, Northwestern Pacific RR Train Crash, Ignacio, CA	-- 11
200.	1910 -- Sep 21, Interurban Electric Train Car (Trolley) Crash, Kingsland, IN	--39-42
201.	1910 -- Oct 04, Traction (Electric) Trains Collide, near Staunton, IL	-- 37
202.	1910 -- Dec 19, Train Crash/Gas Explosion, Grand Central Station yard, NY ²⁰⁸³	-- 10
203.	1911 -- Mar 25, Dixie Flyer Train Breaks Axle, Derails on Trestle, near Ocilla, GA	-- 9-10
204.	1911 -- Apr 29, Train Derails, Penn. Railroad, Martin's Creek Station, NJ	-- 12
205.	1911 -- May 29, Trains Collide/Fog, Chicago, Burlington & Quincy RR, McCook, NE	-- 18
206.	1911 -- July 11, Train Derailment, Burr Crossing, Bridgeport, CT	-- 14
	1911 -- Jul 28, Head-on Train Collision, Bangor and Aroostook RR, Grindstone, ME	-- 8-9
207.	1911 -- Aug 25, Train Derailment, Lehigh Valley Rail Road, Manchester, NY	-- 29
208.	1911 -- Sep 24, Train Collision with Hay Wagon at Crossing, Neenah, WI ²⁰⁸⁴	-- 15
209.	1911 -- Oct 28, Train Wreck, Union Pacific Railroad, near Cheyenne, WY	-- 20
210.	1911 -- Dec 18, Trains Collide, Chicago, Milwaukee, St. Paul RR, Odessa, MN	-- 12
211.	1912 -- Mar 18, Boiler Explos., Train Engine, So. Pacific Yard, San Antonio TX ²⁰⁸⁵	-- 36
	1912 -- May 06, Train Derailment (poorly maintained roadbed) near Eastabuchie, MS	-- 9
212.	1912 -- July 04, Train Collision, Lackawanna Express, East Corning, NY	-- 41
213.	1912 -- July 05, Train Collision, Ligonier Valley Railroad, Ligonier, PA	-- 23
214.	1912 -- July 14, Trains Collide, Western Springs, IL	-- 13
	1912 -- Oct 03, Train Derails, NY, New Haven & Hartford RR, Westport, CT	-- 7
215.	1912 -- Nov 11, Trains Collide, Montz, LA	-- 15
216.	1912 -- Nov 13, Trains Collide, Indianapolis, IN	-- 15
	1912 -- Nov 19, Passenger Trains Collide near Granite, NC	-- 7
217.	1912 -- Dec 03, trains collide, Dresden, OH	-- 11

²⁰⁸¹ Cross-listed in Fire – Wildfires/Forest Fires. Total loss of life was 37-47.

²⁰⁸² Cross-listed in Avalanche.

²⁰⁸³ Cross-listed in Explosions.

²⁰⁸⁴ Cross-listed in Road/Highway – Rail Crossing Collisions

²⁰⁸⁵ Cross-listed in Explosions.

RAIL – Train, Electric Rail, Streetcar, Trolley Events – **CHRONOLOGICAL** (continued):

218.	1913 -- June 19, electric trains collide, S.F., Napa & Calistoga RR, near Vallejo, CA--	13
219.	1913 -- July 13, Pacific Electric RR trains collide, near Vineyard Station, L.A., CA --	16
220.	1913 -- Sep 02, trains collide, North Haven CT	-- 21
221.	1913 -- Oct 19, train derailment, Buckatunna, MS	-- 17
222.	1913 -- Nov 13, Three Train coaches derail down embankment, near Clayton, AL	-- ~10
223.	1914 -- Aug 05, Trains Collide/Fire, KC and S. MO RR, Tipton Ford/Joplin, MO	-- 43
224.	1914 -- Sep 15, Flooding, Bridge Washout & Train Derailment, Lebanon, MO ²⁰⁸⁶	-- 28
225.	1914 -- Sep 18, Malicious Vandalism, Train Derails, Livingston, AL ²⁰⁸⁷	-- 10
226.	1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK ²⁰⁸⁸	--40-44
227.	1915 -- Oct 16, Flash Flood, Bridge Fails, Train Derails, Randolph, KS ²⁰⁸⁹	-- 11
	1915 -- Oct 19, Freight & Pass. Trains Collide, Agawam Curve, near Chickasha, OK--	8
228.	1915 -- Nov 22, Trains Collide, Circus and Passenger, near Columbus, GA	-- 11
229.	1916 -- Feb 22, Three Train Collision, near Milford, CT	-- 10
230.	1916 -- Mar 29, Three Train Collision in Fog, NY Central RR, ~ Amherst, OH ²⁰⁹⁰	-- 27
231.	1916 -- Aug 12, Runaway Trolley Car Collision, ~Ebensburg and Johnstown, PA	--26-27
232.	1916 -- Oct 01, Freight Train/Street Car (Trolley) Crossing Collision, Detroit, MI	--10-14
233.	1916 -- Oct 15, Trains Collide, Burlington RR, Elwood, near Smithfield, NE	-- 11
234.	1916 -- Nov 7, Train goes through open drawbridge, ~ South Station, Boston, MA	-- 50
235.	1917 -- Feb 27, Trains Collide in Fog, Pennsylvania RR, Mount Union, PA ²⁰⁹¹	-- 20
236.	1917 -- July 1, Washout under track, Trolley into Niagara Riv., Niagara Co., NY	-- 12
237.	1917 -- Sep 28, Trains Collide, near Kellyville, OK	-- 33
238.	1917 -- Aug 13, Trains Collide, near North Branford, CT	-- 19
239.	1917 -- Dec 20, Train Collision, Shepherdsville, KY	-- 51
240.	1918 -- Jan 14, Train Derailment and Collision, Hammond, TX	-- 17
241.	1918 -- Feb 25, Trains Collide, near Frost Station, SC	-- 13
242.	1918 -- Jun 05, Trains Collide, near Burlington, VT	-- 10
243.	1918 -- Jun 22, Train rams Hagenbeck-Wallace Circus train, fire, Ivanhoe ~Hammond, IN--	75-86
244.	1918 -- July 09, Great Nashville Train Wreck (head-on collision), fire, Nashville, TN--	101
245.	1918 -- July 20, Trains Collide, near Chelsea, MI	-- 15
246.	1918 -- Sep 10, Trains Collide, near Birdsell, NE	-- 11
247.	1918 -- Sep 17, trains collide, near Marshfield, MO	-- 15

²⁰⁸⁶ Cross-listed in Flooding

²⁰⁸⁷ Cross-listed in Violence (other).

²⁰⁸⁸ Cross-listed in Explosions and in Hazardous Materials.

²⁰⁸⁹ Cross-listed in Flash Flooding and in Structural Failures, Bridges.

²⁰⁹⁰ Cross listed in Fog as a Contributing Factor.

²⁰⁹¹ Cross-listed in Fog as a Contributing Factor.

248. 1918 -- Oct 03, train runs into passengers in fog, East Bedford, OH²⁰⁹² -- 20
 249. 1918 -- Nov 1, speeding Brooklyn Rapid Transit train derails, tunnel mouth, Brooklyn, NY-93-<100

RAIL – Train, Electric Rail, Streetcar, Trolley Events – **CHRONOLOGICAL** (continued):

250. 1919 -- Jan 12, trains collide (rear-end), NY Central Railroad, South Byron, NY --20-22
 251. 1919 -- Jan 13, trains collide, Fort Washington, PA (near Philadelphia) -- 14
 252. 1919 -- July 01, Trains Collide, Dunkirk, NY -- 12
 253. 1919 -- Aug 14, Train & Street Car Collide, Parmaco, near Parkersburg, WV -- 15
 254. 1919 -- Nov 01, Train Hits “Auto Truck” at Grade Crossing, Clarksboro, NJ --14-16
 255. 1919 -- Dec 20, Trains Collide/Fire, near Onawa, ME --23-24
256. 1920 -- Mar 14, Trains Collide, near Riverside, VT -- 10
 257. 1920 -- Jun 09, Trains Collide, near Schenectady, NY -- 15
 258. 1920 -- Jul 03, Trains Collide, Lackawanna & WY Valley RR, South Pittston, PA -- 17
 259. 1920 -- Sep 06, Trains Collide, Denver & Interurban RR, ~ Globeville, CO -- 13
260. 1921 -- Feb 22, Trolleys collide head-on, 5-gallon gas can ignites, fire, Shelton, CT²⁰⁹³-- 10
 261. 1921 -- Feb 27, Trains Collide, NY Central & MI Central RR, Porter, IN -- 37
 262. 1921 -- Dec 05, Trains collide/burn, Philadelphia & Reading RR ~Bryn Athyn, PA --26-27
263. 1922 -- Aug 05, Trains Collide, MO Pacific Railroad, Sulphur Springs, MO -- 34
 264. 1922 -- Aug 12, Train/Truck/Train Collisions, Annandale, MN -- 10
 265. 1922 -- Dec 13, Trains Collide, Humble, TX -- 22
266. 1923 -- Sep 27, Flooding, Bridge Washout/Train Derails, near Lockett, WY²⁰⁹⁴ -- 31
267. 1924 -- Feb 02, Interurban Traction Trains collide/fire, edge of Alfont, IN --19-21
 268. 1924 -- June 01, Train Derailment/Collision, Wabash RR, Williamsport, IN -- 13
269. 1925 -- Mar 22, Trains Collide in Dense Fog, Ricohoc, LA (cross-listed in Fog) -- 11
 270. 1925 -- June 08, Train Derail, Chesapeake & OH Railway, ~ Converse, IN -- 12
 271. 1925 -- June 16, Train Derails, Rockport Crossing, near Hackettstown, NJ²⁰⁹⁵ -- 50
 272. 1925 -- Nov 12, Trains Collide in Fog near Monmouth Junction, NJ (also in Fog) -- 10
273. 1926 -- June 16, Trains Collide, Pennsylvania Railroad, near Gray, PA -- 16
 274. 1926 -- Sep 02, Trains Collide, near Monroe, MI -- 10
 275. 1926 -- Sep 05, Train Derailment, Denver & Rio Grande RR, near Waco, CO -- 30
 276. 1926 -- Dec 23, Trains Collide, near Rockmart, GA -- 19
277. 1927 -- Oct 14, Interurban Railcar hits truck-trailer with people, Indianapolis, IN²⁰⁹⁶--20-21

²⁰⁹² Cross-listed in Fog as a Contributing Factor.

²⁰⁹³ All deaths due to fire and/or suffocation.

²⁰⁹⁴ Cross-listed in Flooding.

²⁰⁹⁵ Cross-listed in Flooding.

²⁰⁹⁶ Cross-listed in Road/Highway/Vehicular Incidents.

278. 1927 -- Jan 22, Baylor Univ. basketball team bus hit by train, Round Rock, TX²⁰⁹⁷ -- 10

RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (continued):

279. 1928 -- Aug 24, subway train crash, 42nd Street-Times Square Station, NYC NY -- 16

280. 1929 -- Jan 22, train hits Greyhound bus in snowstorm, near Bellevue, OH²⁰⁹⁸ -- 20

281. 1929 -- July 09, train derailed, hit by 2nd train, Erie Railroad, near Corning, NY -- 12

282. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO²⁰⁹⁹ -- 10

283. 1929 -- Aug 18, Train Derailment, Henryetta, OK -- 14

284. 1930 -- Jan 22, Train Hits School Bus, Berea, OH (cross-listed in Road/Highway) -- 10

285. 1930 -- Feb 23, Train/Car/Train Collisions, near Kenosha, WI -- 14

286. 1930 -- Apr 11, Train hits Pickwick-Greyhound bus, near Isleta, NM (also in Roads)-- 22

287. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM²¹⁰⁰ -- 11

288. 1933 -- Sep 05, Passenger and Milk Trains Collide, Erie Railroad, Binghamton NY --14-23

289. 1933 -- Dec 14, School Bus hit, Atlantic Coast Line Train, near Crescent City, FL²¹⁰¹-- 11

290. 1934 -- Dec 27, Boiler Explosion, Engine Hauling Mine Workers, McDunn WV²¹⁰² -- 18

291. 1935 -- Apr 12, School Bus & Train Collision, Grade-Crossing, Rockville, MD²¹⁰³ -- 14

292. 1936 -- Jan 24, Train hits car at crossing, all 11 members of family killed, Grabill, IN²¹⁰⁴11

293. 1936 -- Mar 28, Grade Crossing Collision, Bus/Central Georgia Train, Bryon GA²¹⁰⁵-- 11

294. 1936 -- Nov 24, L Train rear-ended, North Shore Line Interurban, Chicago, IL -- 10

295. 1937 -- Oct 22, School Bus hit by Rock Island Line Train *Rocket*, Mason City, IA²¹⁰⁶-- 10

296. 1938 -- Jun 19, flash flood, bridge fails, train-cars fall into Custer Creek ~Saugus MT²¹⁰⁷--47

297. 1938 -- Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT²¹⁰⁸ -- 26

298. 1939 -- Aug 12, sabotage, *City of San Francisco* derailed, Humboldt Riv. Gorge ~Harney, NV--24

299. 1940 -- Mar 14, Train hits farm workers truck at Highway 83 crossing, Alamo, TX²¹⁰⁹-- 29

300. 1940 -- Apr 19, speeding *Lake Shore Ltd.* train derailed, Gulf Curve, Little falls, NY -- 31

301. 1940 -- July 31, Gasoline-Electric and Freight Trains Collide/Fire, Cuyahoga falls, OH--43

302. 1942 -- July 08, Liberty Bell trolley and freight car collide near Norristown, PA -- 12

303. 1942 -- Sep 24, three-train crash, Smith's Cut, so. of Frederick, near Dickerson, MD-- 14

²⁰⁹⁷ Cross-listed in Mining.

²⁰⁹⁸ Cross-listed in Highway/Bus and in winter Storms

²⁰⁹⁹ Cross-listed in Structural Failures (Bridge), and in Flooding

²¹⁰⁰ Cross-listed in Structural Failure (Bridge/Trestle)

²¹⁰¹ Cross-listed in Highway Incidents – Bus.

²¹⁰² Cross-listed in Rail.

²¹⁰³ Cross-listed in Highway Incidents – Bus.

²¹⁰⁴ Cross-listed in Road/Highway/Vehicular Incidents.

²¹⁰⁵ Cross-listed in Highway Incidents.

²¹⁰⁶ Cross-listed in Highway Incidents – Bus.

²¹⁰⁷ Cross-listed in Flooding and in Structural Failures, Bridges.

²¹⁰⁸ Cross-listed in Highway

²¹⁰⁹ Cross-listed in Road/Highway.

RAIL – Train, Electric Rail, Streetcar, Trolley Events – **CHRONOLOGICAL** (continued):

304. 1943 -- Oct 28, bus with children/workers goes past flashing lights, hit by train, Detroit, MI--16
305. 1943 -- Aug 30, Lackawanna Limited train collision, near Wayland, NY --28-29
306. 1943 -- Sep 06, Congressional Limited train derails, Frankford Junction, PA²¹¹⁰ --79-81
307. 1943 -- Dec 16, *Tamiami Champion* train derails, 2nd Champion collides ~Rennert, NC-72-74
308. 1944 -- July 06, troop train derailment, Jellico, TN -- 35
309. 1944 -- Sep 14, head-on train collision, Chicago & East IL Railroad, Terre Haute IN-- 29
310. 1944 -- Sep 28, trains collide, North Western Railroad, near Missouri Valley, IA -- 10
311. 1944 -- Aug 05, Atlantic Coast Line train wreck, near Stockton, GA -- 47
312. 1944 -- Nov 08, train derailment, Southern Pacific Challenger, near Colfax, CA -- 9-10
313. 1944 -- Dec 31, fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT²¹¹¹-48
314. 1945 -- June 15, freight train car derails/hit by passenger train (cars derail), Milton, PA-- 19
315. 1945 -- Aug 09, train collision, Great Northern's *Empire Builder*, Michigan, ND -- 34
316. 1946 -- Apr 25, *Exposition Flyer* train rear-ends stopped *Advance Flyer*, Naperville, IL--45
317. 1946 -- Dec 13, *Golden Triangle* passenger train hits stopped freight trains ~Coulter, OH--19
318. 1947 -- Feb 17, train-crew bus drives into path of one-car electric train, Andry, IN -- 13
319. 1947 -- Feb 18, train derails, Pennsylvania RR *Red Arrow*, near Altoona, PA -- 24
320. 1948 -- Jan 1, speeding Missouri Pacific train rams 2nd train in snowstorm ~Otterville, MO--14
321. 1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN-- 10
322. 1950 -- Feb 17, trains collide head-on, Rockville Centre Station, Rockville Centre, NY-- 32
323. 1950 -- May 25, Green Hornet trolley & gasoline tank truck collide, Chicago IL²¹¹² -- 34
324. 1950 -- Sep 02, Milwaukee Interurban excursion trains collide headon ~Milwaukee WI--10
325. 1950 -- Sep 11, Spirit of St. Louis train hits stopped PA NG troop train, Isleta, OH -- 33
326. 1950 -- Nov 22, train collision, Richmond Hill, Queens, NY -- 79
327. 1951 -- Feb 06, speeding commuter train derails at temporary trestle, Woodbridge, NJ-- 85
328. 1951 -- May 18, Penn. RR *Red Arrow* runs into *Pittsburgh Flyer* ~Bryn Mawr, PA -- 8-10
329. 1951 -- Nov 12, snowstorm, high-speed passenger train runs into slow train ~Evanston, WY-- 17
330. 1951 -- Nov 25, New York and New Orleans trains collide head-on ~Woodstock, AL-- 17
331. 1953 -- Mar 27, 3 trains (2 passenger, 1 freight) involved in collision ~Conneaut OH, in PA--21

²¹¹⁰ Accounts note either 79 or 80 deaths. We do not know which is correct. The range of 79-81 is due to our including an indirect death of a Brooklyn man who committed suicide after identifying his wife and two children as fatalities. Without this inclusion, certainly 79 died. With inclusion, either 80 or 81 died.

²¹¹¹ Cross-listed in Fog as a Contributing Factor.

²¹¹² Cross-listed in Hazardous Materials incidents.

RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (continued):

332. 1955 -- Aug 22, grade crossing, school bus hit by train, Spring City, TN²¹¹³ -- 11
333. 1956 -- Jan 22, speeding Santa Fe RDC train overturns in curve, Redondo Jct., LA, CA-- 30
334. 1956 -- Feb 28, speeding train hits stopped train in snow storm, Swampscott, MA -- 13
335. 1956 -- Sep 05, switching error, Santa Fe Express trains collide, near Robinson, NM-- 20
336. 1958 -- Sep 15, train derails into water through open span of Newark Bay Bridge, NJ-- 48
337. 1959 -- Mar 18, car hit by train, Beaver creek Girl Scouts, Beaver creek, OH²¹¹⁴ -- 10
338. 1959 -- June 28, train derailment, LPG-tank rupture, flash-fire, Meldrim, GA²¹¹⁵ -- 23
339. 1960 -- Mar 01, train and oil tank truck collision and fire, Bakersfield, CA²¹¹⁶ -- 14
1961 -- Feb 02, speeding train derails (Philadelphia Racing Special), Bowie, MD -- 6
340. 1961 -- Dec 14, grade crossing collision, train/school bus, Auburn/Greely, CO²¹¹⁷ -- 20
341. 1962 -- July 28, "Baseball" train derails, Susquehanna Riv., Steelton, ~Harrisburg, PA-- 19
342. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA²¹¹⁸-- 32
343. 1964 -- May 11, train hits station wagon with 8 children at crossing, ~Mesa, AZ²¹¹⁹-- 10
344. 1966 -- Dec 28, train hits stalled oil tank truck at RR crossing, Fire, Everett, MA²¹²⁰-- 13
345. 1971 -- June 10, Amtrak train derails, northbound City of New Orleans, near Salem, IL--11
346. 1972 -- Oct 30, rear-end train collision, IL Central Gulf Commuter Rail, Chicago, IL-- 45
347. 1973 -- July 05, LP gas RR tank car fire & explosion, Doxel Gas Co., Kingman, AZ²¹²¹--13
348. 1976 -- Feb 07, train hits camper-truck of children, grade crossing, Beckemeyer, IL²¹²²-- 12
349. 1977 -- Feb 04, CTA elevated L trains crash; 4 cars fall onto street below, Chicago, IL-- 11
350. 1977 -- Oct 02, Amtrak train hits pickup (3 adults/7minors), RR crossing, Plant City, FL-- 10
351. 1978 -- Feb 24, train derails Feb 22, LPG tank car leaks/explodes 24th, Waverly, TN-- 16
1978 -- Feb 26, chlorine release when train derails (no train deaths), Youngstown, FL-- 8
360. 1987 -- Jan 04, Amtrak 94 rear-ends Conrail ENS-121 freight train, Chase, MD -- 16
352. 1993 -- Sep 22, fog, barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL-- 47
1995 -- Oct 25, school bus stopped at crossing hit by train, Fox River Grove, IL -- 7
353. 1996 -- Feb 16, MARC and Amtrak 29 trains collide/fire, ~Silver Spring, MD -- 11
354. 1999 -- Mar 15, Amtrak train & truck collision, grade crossing, Bourbonnais, IL -- 11

²¹¹³ Cross-listed in Highway Incidents.

²¹¹⁴ Cross-listed in Highway Incidents.

²¹¹⁵ Cross listed in Hazardous Materials.

²¹¹⁶ Cross-listed in Hazardous Materials and in Highway Incidents.

²¹¹⁷ Cross-listed in Road/Highway.

²¹¹⁸ Cross-listed in Vehicular/Road/Highway events.

²¹¹⁹ Cross-listed in Road/Highway.

²¹²⁰ Cross-listed in Vehicular—Road/Highway

²¹²¹ Cross-listed in Explosions and in Hazardous Materials.

²¹²² Cross-listed in Road/Highway.

Rail Events – Chronological (continued):

355. 2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA²¹²³ -- 11
356. 2008 -- Sep 12, Metrolink 111 and Union Pacific train collision, Chatsworth, CA -- 25

²¹²³ Cross-listed in Vehicular/Highway, and in Violence/Manslaughter.

ROAD/HWY/Vehicular--Main list -- Auto, Bus, Coach, Trolley, Truck, Van -- By Mortality

1. 1967 -- Dec 15, Silver Bridge collapse, vehicles fall, OH Riv., Point Pleasant, WV²¹²⁴-- 46
2. 1989 -- Oct 17, Loma Prieta earthquake, Nimitz Highway collapse, Northern CA²¹²⁵ -- 41
3. 1980 -- May 09, freighter hits Sunshine Skyway Bridge, span collapse, Tampa, FL²¹²⁶-- 35
4. 1950 -- May 25, collision, Green Hornet trolley & gasoline tank truck, Chicago, IL²¹²⁷-- 34
5. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA²¹²⁸ -- 32
6. 1940 -- Mar 14, train hits farm workers truck at Highway 83 crossing, Alamo, TX²¹²⁹ -- 29
7. 1962 -- Jan 28-Feb 2, dense fog, traffic accidents/pileups/train hits bus, Central Valley CA--28-29
8. 1976 -- May 21, Yuba City High School bus goes off cliff, Yuba City, CA -- 29
9. 1944 -- Jan 06, Army Air Force bus and train collide, Kingman Army Air Field, AZ -- 28
10. 1952 -- Aug 04, Greyhound buses collide head-on, fire, Waco, TX -- 28

11. 1958 -- Feb 28, school bus hits wrecker, goes in Levisa Fork river near Prestonsburg, KY--27
12. 1963 -- May 18, farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL-- 27
13. 1988 -- May 14, church bus hit by drunk driver, Carrollton, KY -- 27
14. 1938 -- Dec 01, train hits Jordan High School bus at crossing, Midvale, UT (in Rail) -- 26
15. 1931 -- Aug 03, bus goes through open drawbridge, Sampit River ~Georgetown, SC²¹³⁰-- 23
16. 2005 -- Sep 23, Hurricane Rita nursing home evacuation bus burns, Wilmer, TX -- 23
17. 1930 -- Apr 11, train Hits Pickwick-Greyhound bus, near Isleta, NM (in Rail section) -- 22
18. 1942 -- Dec 22, rockslide crushes passenger bus, near Aliquippa, PA (Landslide sec.) -- 22
19. 1999 -- May 9, casino/tour bus crashes into concrete wall, New Orleans, LA -- 22
20. 1927 -- Oct 14, interurban railcar hits truck-trailer with people, Indianapolis, IN²¹³¹ --20-21
21. 1937 -- Mar 24, blowout, roller-skate team bus hits bridge, burns, Salem IL -- 21
22. 1957 -- June 06, tractor-trailer and laborer truck collide, burn, near Fayetteville, NC -- 21
23. 1986 -- May 30, tour bus crashes in West Walker River, Walker, CA -- 21
24. 1989 -- Sep 21, truck/Mission School bus collision and drownings, Alton, TX -- 21
25. 1929 -- Jan 22, train hits Greyhound bus in snowstorm, near Bellevue, OH²¹³² -- 20
26. 1934 -- July 22, bus with defective brakes runs off road and burns, Ossining, NY --19-20
27. 1936 -- Jan 31, hwy. accident & fire, prison transport bus, Scottsboro, AL -- 20
28. 1944 -- Mar 20, bus slides off Market Street Bridge into Passaic River, ~Passaic, NJ --19-20
29. 1961 -- Dec 14, train and school bus collision, Auburn, CO (in Rail section also) -- 20
30. 1968 -- Mar 07, wrong-side/intoxicated driver's auto hits bus, fire, I-15, Baker, CA -- 20
31. 1980 -- June 5, Central Texas Charter tour bus goes off Highway 7, near Jasper, AR -- 20
32. 2018 -- Oct 6, birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie, NY-- 20
33. 1943 -- June 05, Army truck crashes through bridge over railroad near Nashville, TN -- 19
34. 1947 -- Aug 05, worker and gasoline trucks collide and burn, near Waxahachie, TX²¹³³-- 19

²¹²⁴ Cross-listed in Structural Collapse.

²¹²⁵ Cross-listed in Earthquakes. There was a total of 67 fatalities.

²¹²⁶ Cross-listed in Maritime and in Structural Collapse/Bridges. A bus and several cars fell; 22 fatalities on the bus.

²¹²⁷ Cross-listed in Rail.

²¹²⁸ Cross-listed in Rail.

²¹²⁹ Cross-listed in Rail.

²¹³⁰ This was the deadliest non-collision bus disaster in the U.S. until May 9, 1980 when a freighter hit the Skyway bridge in Tampa, knocking out a span, causing a Greyhound bus to fall into the Bay with 26 fatalities.

²¹³¹ Cross-listed in Rail.

²¹³² Cross-listed in Rail and winter Storms.

35. 1972 -- Dec 26, semi-trailer hits church bus, US 60-84 bridge ~Fort Sumner, NM -- 19
 36. 1974 -- Jan 15, speeding farm labor bus goes into irrigation ditch, drownings, Blythe, CA--19

**ROAD/HWY/Vehicular -- Main List -- Auto/Bus/Motorized Coach/Trolley/Truck/Van --
 Mortality (continued)**

37. 1922 -- Sep 11, truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²¹³⁴--18
 38. 1966 -- Feb 01, farm labor bus hit by train engine pulling cabooses, south of Miami, FL-- 18
39. 1937 -- Jan 25, Tamiami Trail Tours bus goes in Everglades canal ~Coral Gables, FL -- 17
 40. 1941 -- Oct 26, passenger bus hits concrete railing and burns, Clanton, AL -- 17
 41. 1959 -- June 08, farm labor truck and bus collide, fuel explosion/fire, near Phoenix, AZ-- 17
 42. 1991 -- Nov 29, dust storm, massive I-5 pileup, Coalinga, CA (in Dust Storm section)-- 17
 43. 2008 -- Aug 08, chartered tour bus crash off bridge, U.S. Highway 75, Sherman, TX -- 17
44. 1919 -- Nov 01, train hits "auto truck" at grade crossing, Clarksboro, NJ²¹³⁵ --14-16
 45. 1942 -- Oct 28, bus with children/workers goes past flashing lights, hit by Train, Detroit, MI-- 16
 46. 1945 -- Nov 26, school bus goes into Lake Chelan in snowstorm, Chelan, WA -- 16
 47. 1949 -- Aug 10, Greyhound bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN -- 16
 48. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
49. 1900 -- Aug 12, train hits horse-drawn coach at grade crossing ~Slatington, PA²¹³⁶ --13-15
 50. 1911 -- Sep 24, train collides with hay wagon at railroad crossing, Neenah, WI²¹³⁷ -- 15
 51. 1973 -- Feb 06-11, rain storms and vehicular accidents (3 by drowning), CA, esp. So. CA--15
 52. 2004 -- Oct 09, MCI Motorcoach crash, I-55 near Turrell, AR -- 15
 53. 2011 -- Mar 12, World Wide Travel casino tour bus crash, I-95, Bronx, NY -- 15
54. 1935 -- Apr 12, school bus and train collision, Rockville, MD (also in Rail section) -- 14
 55. 1935 -- Dec 22, bus drives off river drawbridge, Hopewell, VA -- 14
 56. 1951 -- Aug 18, beer truck and car collide, truck/Greyhound bus collide ~Alpena, MI --11-14
 57. 1957 -- June 13, U.S. Army truck skids into Piney Ford Creek, Fort Campbell, KY -- 14
 58. 1958 -- June 16, migrant farm worker truck fire (spilled gasoline) Soledad, CA -- 14
 59. 1960 -- Mar 01, train and oil tank truck collision, fire, Bakersfield, CA²¹³⁸ -- 14
 60. 1972 -- May 13, Greyhound bus/13 passing a car hits truck, US 11W, Bean Station, TN-- 14
 61. 1994 -- July 03, tractor trailer rear-ends family van, Interstate 20, Weatherford, TX -- 14
 62. 2002 -- May 26, barge hits bridge, span collapse, vehicles fall, Webbers falls, OK²¹³⁹ -- 14
 63. 2002 -- Sep 12, speeding van, off John's Bridge between Eagle & Churchill Lakes, ME-- 14
 64. 2012 -- July 22, pickup truck with 23 illegals crashes, US Highway 59 ~Goliad, TX -- 14
65. 1947 -- Feb 17, train-crew bus drives into path of one-car electric train, Andry, IN -- 13

²¹³³ Cross-listed in Hazardous Materials Transportation.

²¹³⁴ Cross-listed in Structural Failures—Bridges.

²¹³⁵ Cross-listed in Rail.

²¹³⁶ Cross-listed in Rail.

²¹³⁷ Cross-listed in Rail.

²¹³⁸ Cross-listed in Hazardous Materials Transportation and in Rail.

²¹³⁹ Cross-listed under Maritime and Structural Collapse.

- 66. 1963 -- June 10, brakes fail, truck with Boy Scouts goes off hill ~Hole-in-the-Rock, UT-- 13
- 67. 1966 -- Dec 28, train hits stalled oil tanker truck at RR crossing, fire, Everett, MA²¹⁴⁰ -- 13
- 68. 1973 -- Nov 03, charter bus crash, driver heart attack, I-880 near Sacramento, CA -- 13
- 69. 1974 -- Mar 08, US INS prison van hits parked tractor trailer, I-8, Jacumba Mts., CA -- 13
- 70. 1999 -- Aug 09, farm worker van collides with truck, Five Points, CA -- 13
- 71. 1999 -- Dec 04, illegal worker van collides with 18-wheeler, I-40 ~Albuquerque, NM -- 13
- 72. 2007 -- Aug 01, Interstate 35W bridge collapse, vehicles fall, Minneapolis, MN²¹⁴¹ -- 13
- 73. 2016 -- Oct 23, tour bus runs into semi, I-10, Indian Canyon near Palm Springs, CA -- 13
- 74. 2017 -- Mar 29, pickup truck hits church bus head-on, Hwy 83 near Concan, TX -- 13
- 75. 2021 -- Mar 02, illegal's SUV and semi-truck collide, State Hwy 115 near Holtville, CA-- 13

**ROAD /Hwy/ Vehicular – Main List – Auto/Bus/Motorized Coach/Trolley/Truck/Van –
Mortality (continued)**

- 76. 1940 -- Apr 21, two cars collide head-on (young people 17-23), Slayton, MN²¹⁴² -- 12
- 77. 1942 -- Oct 03, gasoline tanker, wagon, bus collide, explosion ~Lumberton, NC²¹⁴³ --11-12
- 78. 1956 -- Dec 16, car, inebriated driver, hits train at RR crossing, SW Phoenix, AZ -- 12
- 79. 1957 -- June 11, train hits farm worker truck at railroad crossing, Vroman, CO -- 12
- 80. 1959 -- Oct 09, semi-trailer tanker rear-ends Trenton State Col. bus, New Brunswick, NJ-- 12
- 81. 1976 -- Feb 07, train hits camper-truck of children, grade crossing, Beckemeyer, IL²¹⁴⁴-- 12
- 82. 1990 -- Dec 11, fog, multiple-vehicle collisions, I-75 near Calhoun, TN²¹⁴⁵ -- 12
- 83. 1994 -- Mar 09, pickup truck with 20 illegals wrecks, I-15 near Barstow, CA -- 12

- 84. 1933 -- Dec 14, school bus hit by Atlantic Coast Line train, near Crescent City, FL²¹⁴⁶-- 11
- 85. 1936 -- Jan 24, train hits car at crossing, all 11 members of family killed, Grabill, IN²¹⁴⁷-- 11
- 86. 1936 -- Mar 28, bus & Central of Georgia train grade crossing collision, Bryon, GA²¹⁴⁸-- 11
- 87. 1943 -- Dec 14, war workers bus and tractor trailer collide, bus burns, ~Campbell, NY-- 11
- 88. 1954 -- July 31, car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11
- 89. 1955 -- Aug 22, school bus hit by train at railroad crossing, Spring City, TN²¹⁴⁹ -- 11
- 90. 1957 -- May 25, two-car collision kills two families, IL Hwy. 116 near Benson, IL -- 11
- 91. 1959 -- June 2, tractor trailer hits stopped propane gas truck, fire, explos. ~Deer Lake, PA--11
- 92. 1961 -- June 30, wrong-way, Cal. speeding pickup hits Cal. station wagon, Jean, NV -- 11
- 93. 1963 -- Nov 03, car goes through inoperable dead-end warning into Harlem River, NYC-- 11
- 94. 1965 -- Aug 28, Greyhound bus and timber truck collide, Vinton, LA -- 11
- 95. 1981 -- Feb 18, commuter bus crash, I-95, into Chopawamsic Creek near Quantico, VA-- 11
- 96. 1983 -- Aug 10, car/tractor-trailer head-on collision, Highway 86 near Coachella, CA -- 11
- 97. 1994 -- July 03, tractor trailer broadsides pickup truck near Snyder, west TX -- 11

²¹⁴⁰ Cross-listed in Rail.

²¹⁴¹ Cross-listed in Structural Collapse/Bridges.

²¹⁴² This was at the time the deadliest “pleasure car” accident in the country.

²¹⁴³ Cross-listed in Hazardous Materials Transportation.

²¹⁴⁴ Cross-listed in Rail.

²¹⁴⁵ Cross-listed in Fog as a Contributing Factor.

²¹⁴⁶ Cross-listed in Rail.

²¹⁴⁷ Cross-listed in Rail.

²¹⁴⁸ Cross-listed in Rail.

²¹⁴⁹ Cross-listed in Rail.

98. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 near Wenatchee, WA-- 11
 99. 1997 -- July 29, dump truck hits pickup truck, Albion, Concord Township, MI -- 11
 100. 1997 -- Sep 09, Van/Pickup Collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA-- 11
 101. 1997 -- Nov 16, Highway Collision/Fog, Van and Semi, Mendota, CA (also Fog sec.)-- 11
 102. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL²¹⁵⁰-- 11
 103. 2001 -- Jan 26, black ice hwy. accident, Salvation Army bus/ban, Will County, IL -- 11
 104. 2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA²¹⁵¹ -- 11
 105. 2009 -- June 6, Illegal Immigrant (22) smuggling SUV blowout/rolls, ~Sonoita, AZ -- 11
 106. 2010 -- Mar 26, Highway Crash, Tractor-Trailer hits Van, ~Munfordville, KY -- 11
 107. 2012 -- Jan 29, Smoke/Haze/Fog, Interstate 75 Pileup, south of Gainesville, FL -- 11

**ROAD/HWY/Vehicular -- Main List -- Auto/Bus/Motorized Coach/Trolley/Truck/Van
 Mortality (continued)**

108. 1892 -- Jan 19, train hits Clover Fishing Club sleighing party, St Louis, MO -- ~10
 109. 1926 -- July 22, bus with Brooklyn excursionists overturns, near Nyack, NY -- 10
 110. 1927 -- Jan 22, Baylor Univ. Basketball Team bus hit by train, Round Rock, TX²¹⁵² -- 10
 111. 1930 -- Jan 22, train hits school bus, Berea, OH (cross-listed in Rail section) -- 10
 112. 1937 -- Oct 22, school bus hit by Rock Island Line train *Rocket*, Mason City, IA²¹⁵³ -- 10
 113. 1944 -- Nov 21, car/truck collision, butane gas tank truck explosion, Denison, TX²¹⁵⁴-- 10
 114. 1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN-- 10
 115. 1949 -- Nov 10, cotton pickers truck & semi collide, U.S. Hwy. 80 near Gila Bend, AZ--10
 116. 1953 -- Mar 20, family of 10 killed in truck and car collision, near Washington, NJ -- 10
 117. 1953 -- Aug 01, two cars collide/side-swipe in downpour, US 10 near Randall, MN --all 10
 118. 1954 -- June 7, two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD-- 10
 119. 1956 -- Oct 03, two automobiles collide head-on near Muncie, IN -- 10
 120. 1959 -- Mar 18, station-wagon (Beavercreek Girl Scouts) hit by train, ~Xenia, OH --all 10
 121. 1962 -- July 25, brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY²¹⁵⁵-10
 122. 1963 -- Sep 02, two-car collision, TX State Highway 146 near Dayton, TX -- 10
 123. 1964 -- May 11, train hits station wagon with 8 children at crossing, near Mesa, AZ²¹⁵⁶--10
 124. 1966 -- July 03, two cars collide, Ajo Highway ~12 miles west of Three Points AZ --all 10
 125. 1967 -- June 23, station wagon/10 runs stop sign, hits asphalt tanker truck, Hardeeville, SC--10
 126. 1972 -- Nov 7, freighter hits Sidney Lanier Bridge, span collapses/cars fall, Brunswick GA-- 10
 127. 1975 -- July 03, car/truck-camper headon collision, Rt/ 98 Navajo Reservation, no. AZ-- 10
 128. 1977 -- Oct 02, Amtrak train hits pickup (3 adults/7minors), RR crossing, Plant City, FL-- 10
 129. 1979 -- Apr 23, impaired driver pickup speeds through curve into trees ~Crofton, MD-- 10
 130. 1981 -- June 26, converted bus/motor home fire, I-15, Cajon Pass, ~Victorville CA -- 10
 131. 1982 -- Oct 08, tractor semitrailer collides head-on with church van near Lemoore, CA-- 10
 132. 1983 -- Dec 23, collision, activity bus/semitrailer, near Devers, TX -- 10
 133. 1985 -- Oct 06, brush fire smoke, 33-vehicle pileup, I-5 near Sacramento, CA -- 10

²¹⁵⁰ Cross-listed in Rail.

²¹⁵¹ Cross-listed in Rail, and in Violence/Manslaughter.

²¹⁵² Cross-listed in Rail.

²¹⁵³ Cross-listed in Rail.

²¹⁵⁴ Cross-listed in Explosions and in Hazardous Materials Transportation.

²¹⁵⁵ Cross-listed in Explosions.

²¹⁵⁶ Cross-listed in Rail.

**ROAD/HWY/Vehicular--Main List--Auto/Bus/Motorized Coach/Trolley/Truck/Van
Mortality (continued):**

134. 1987 -- Apr 05, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter²¹⁵⁷ NY-10
 135. 1987 -- July 17, flash flood, church youth bus & van swept into river ~Comfort, TX²¹⁵⁸-- 10
 136. 1990 -- Jan 24, farm worker van goes into canal, curve in fog, near Clewiston, FL -- 10
 137. 1995 -- Apr 09, dust storm-related vehicle accidents, Bowie, AZ (Dust Storm sec.) -- 10
 138. 1997 -- July 30, high schoolers' SUV in no-passing zone, hit by truck, ~Plymouth NC-- 10
 139. 2000 -- Jan 23, icy-road, multi-vehicle collision/fire, I-29 near Platte City, MO -- 10
 140. 2002 -- Oct 11, fog, multi vehicle pileup, I-43, near Cedar Grove, WI²¹⁵⁹ -- 10
 141. 2003 -- July 16, car collides with car and pedestrians, Santa Monica, CA -- 10
 142. 2004 -- Sep 20, tractor-trailer crosses median, hits pickup and SUV, ~Sherman, TX -- 10
 143. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip, ~Yuma, AZ-- 10
 144. 2009 -- June 26, tractor-trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK-- 10
 145. 2014 -- Apr 11, FedEx truck hits high school charter bus, I-5 near Orland, CA -- 10
 146. 2015 -- Jan 14, TX Corrections Dept. prison bus skids off icy I-20, hits Train ~Penwell, TX-- 10
 147. 2021 -- June 19, 18-vehicle crash, 8 girls/Tallapoosa Girls Ranch van, 2/SUV, I-65, Butler Co., AL²¹⁶⁰--10

Other: (fewer than 10 deaths)

- 1893 -- Jan 18, sleighing party hit by train at grade crossing, Lonsdale, RI²¹⁶¹ -- 9
 1912 -- Oct 07, racing cars collide, Thirty-third Street Bridge, Philadelphia, PA -- 9
 1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK²¹⁶² -- 8-9
 1936 -- July 18, train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI -- 9
 1937 -- May 30, two car collision on curve/6 one family, Hwy. 42, Newtonburg, WI -- 9
 1940 -- Nov 07, automobile and gravel truck collide, all killed, Pipestone, MN -- 9
 1955 -- Nov 18, truck drives into path of train at crossing near Newport, MI -- 9
 1965 -- Sep 10, speeding car crosses median (blowout?) hits another near Lincolnton, NC-- 9
 1969 -- Oct 26, drag-racing car hits stopped car with 9 churchgoers, Indianapolis, IN -- 9
 1983 -- Mar 25, crash, Jonesboro School District bus, near Newport AR -- 9
 1984 -- Jan 21, Whitefish HS wrestling team bus hits jack-knifed fuel tanker/burns ~Essex MT-- 9
 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN²¹⁶³ -- 9
 1990 -- Feb 24, 32-car pileup at beginning of blizzard, I-75 north of Tipp City, OH -- 9
 2003 -- Jan 02, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA -- 9
 2008 -- Jan 06, motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
 2012 -- Dec 30, tourist charter bus crash, icy I-84 near Pendleton, OR -- 9
 2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM -- 9

- 1926 -- Nov 01, truck hits street car head-on, is hit by following truck, Fire, Dayton, OH -- 8

²¹⁵⁷ Cross-listed in Structural Failures -- Bridges. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery Co., and ~5½ miles west of Amsterdam, NY, 37 miles NW of Albany.

²¹⁵⁸ Cross-listed under Flooding and Flash Floods.

²¹⁵⁹ Cross-listed in Fog as a Contributing Condition.

²¹⁶⁰ *The Weather Channel* includes these deaths in the twelve it attributes to Tropical Storm Claudette.

²¹⁶¹ Cross-listed in Rail.

²¹⁶² Cross-listed in Explosions and in Hazardous Materials Events

²¹⁶³ Cross-listed in Explosions and in Hazardous Materials Events.

1938 -- Nov 19, auto with 7 crippled children falls into mine-pit, Wilkes-Barre, PA	--	8
1942 -- Feb 22, train hits car at crossing, near Abingdon, VA	--	8
1943 -- July 04, autos collide, near Marienville, Northwest PA	--	8
1950 -- Mar 25 dust storms & auto accidents, TX (3), KS (4), NE (1)	--	8
1959 -- Dec 18, car tries to beat train across road at crossing, Fowlerville, MI	--	8
1959 -- Dec 25, Car collides with concrete abutment, Hwy 9-W near Haverstraw, NY	--	8
1966 -- Apr 30, head-on collision; car with teens and family station wagon, US 26, Elsie, OR--	8	
1971 -- Jan 3, wrong-way car/3 deaths and station wagon/5 collide, I-74, near Shelbyville, IN--	8	
1977 -- July 14, out of control car/6 hits motor home/2, rural US 69 near Stringtown, OK	--	8
1981 -- Mar 6, Mid-Valley High School Auto Crash, Underwood Road, Throop, PA	--	8
1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO ²¹⁶⁴ --	8	
1989 -- Apr 01, Hatchie River Bridge Collapse, 5 vehicles fall, near Covington, TN ²¹⁶⁵	--	8
1999 -- Sep 25, I-84 pileup/dust storm/high wind/wheat field under plow ~Pendleton OR ²¹⁶⁶ --	8	
2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX	--	8
2002 -- Mar 26, retirement home bus crashes into van, Dodge County, WI	--	8
2008 -- Feb 16, car hits street race spectators, Indian Head Highway, Accokeek, MD ²¹⁶⁷	--	8
2013 -- Oct 02, church bus tire blowout, crash into SUV and tractor-trailer, I-40 east TN	--	8
2023 -- May 7, SUV driven into 18 migrant pedestrians at a bus-stop, Brownsville, TX	--	8
2023 -- Oct 24, pileup of 168 vehicles in fog/smoke, I-55 outside New Orleans, LA	--	8

**ROAD/HWY/Vehicular -- Main List -- Auto/Bus/Motorized Coach/Trolley/Truck/Van
By Mortality (continued)**

1934 -- Nov 16, auto's collide and burn, Hensheytown, near Bellwood and Altoona PA	--	7
1942 -- Feb 26, bus with airmen hit by train at railroad crossing in snow storm ~Enid, OK--	7	
1942 -- Mar 07, car and ammo truck collide, fire, delayed explosion, near Selma, NC ²¹⁶⁸	--	7
1944 -- July 02, Army truck overturns, Farrington Hwy, Waialua, Oahu, hits pedestrians	--	7
1951 -- Jan 28, traffic accident, Toccoa, Stephens County, GA	--	7
1952 -- Jan 28, tire blowout, car hits bridge, goes into slough, US 54 near Kingman, KS	--	7
1959 -- Nov 09, three trucks and one car collision, West Brooklyn, IL	--	7
1966 -- Mar 07, two car collision, US Highway 61 north of St Paul, MN	--	7
1969 -- Dec 14, Order of Eastern Star charter bus skids off icy road, Gap near Lancaster, PA--	7	
1970 -- Jul 15, Hillel Day School, Long Isl., NY, Charter Bus Wreck, ~New Smithville, PA--	7	
1977 -- Sep 24, gasoline tanker truck hits buildings/fire, KY Route 11, Beattyville, KY	--	7
1982 -- Apr 07, HazMat gasoline truck collision, Caldecott Tunnel, Oakland CA ²¹⁶⁹	--	7
1983 -- Jan 19, driver dozes, semi hits cars, fire, toll booth, CT Turnpike, Stratford, CT	--	7
1988 -- Aug 03, multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR	--	7
1994 -- Jan 30, van apparently driven into path of tractor-trailer, near Howell, MI	--	7
1994 -- Feb 08, Fargo ND van hits snowplow in whiteout, I-94 near Alexandria, MN	--	7
1995 -- Oct 25, school bus stopped at road crossing hit by train, Fox River Grove, IL ²¹⁷⁰	--	7

²¹⁶⁴ Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.

²¹⁶⁵ Cross-listed in Structural Collapse/Bridges.

²¹⁶⁶ Cross-listed in Dust Storms.

²¹⁶⁷ Cross-listed in Automobile Racing.

²¹⁶⁸ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
Cross-listed in Explosions.

²¹⁶⁹ Cross-listed in Hazardous Materials.

2007 -- Mar 02, Bluffton University Ohio Baseball Team bus crash, Atlanta, GA	--	7
2009 -- Jan 30, tour bus crash (loss of control and rollover), Dolan Springs, AZ	--	7
2019 -- Jan 03, multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL	--	7
2019 -- June 21, pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH	--	7

**ROAD/HWY/Vehicular -- Main List -- Auto/Bus/Motorized Coach/Trolley/Truck/Van
By Mortality (continued):**

1934 -- Apr 15, Nevin Western bus hits truck on side of road, near Elyria, OH	--	6
1948 -- Mar 27, car turns in front of truck, collide in heavy fog, near Kalamazoo, MI	--	6
1949 -- Oct 16, auto hits horse/on-coming car skids into the auto, 7M south of Sicily Isl. LA--	6	
1950 -- Feb 28, speeding car/4 Ft. Meade soldiers, hits taxi, US 1 near Patapsco Riv. Bridge, MD--	6	
1951 -- Jan 28, Bridal party car misses Mystic Riv. bridge ramp, goes off old bridge draw, Boston MA--	6	
1953 -- May 29, speeding car and 10-ton power shovel collide, South China, ME	--	6
1959 -- Feb 14, OH car goes into Middle Fork, Poca River, Rt 21 near Sissonville, WV	--	6
1959 -- June 08, auto/trucks collide, family killed, near Duncansville, Western PA	--	6
1960 -- Sep 12, station wagon of high school students hits tractor-trailer near Ripley, WV	--	6
1960 -- Dec 07, truck carrying bottled gas (4 killed) hit by train (2), near Nashua, NH	--	6
1961 -- June 17, automobiles collide head-on near Lovelock, NV	--	6
1961 -- Sep 24, one-ton stake-body truck (carrying 17) overturns/burns, Jacksonville, FL	--	6
1963 -- Jan 27, cars collide, Corunna and Morrish Rds., five miles west of Flint, MI	--	6
1964 -- Mar 20, car skids on icy US 69 curve into path of truck, near Cameron, MO	--	6
1965 -- Feb 23, truck/1 and car/5 collide, burn, US 31 five miles so. of Decatur AL	--	all 6
1969 -- June 04, speeding car collides with family car, near Slippery Rock, western PA	--	6
1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--	6	
1971 -- Apr 06, car with US Coast Guardsmen, goes into Curtis Creek ~Glen Burnie, MD--	6	
1976 -- May 11, HAZMAT (ammonia) truck hits I-610 ramp, falls onto Freeway, Houston, TX--	6	
1986 -- July 20, stolen police car runs red light, rams car killing 6 inside, Moorestown NJ	--	6
1990 -- Feb 25, out-of-control car crosses I-65 median into path of Bus, Indianapolis, IN	--	6
1999 -- June 04, speeding car runs light, hits car with 3 retired couples, Boca Raton, FL	--	6
2013 -- Mar 10, speeding SUV (teens) hits guardrail, flips into pond near Warren, OH	--	6
2017 -- June 19, dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM ²¹⁷¹	--	6
2019 -- Jan 06, drunk driver going wrong way, I-75, hits MI family car, Lexington, KY	--	6
2022 -- July 15, dust storm, 21-vehicle pileup, I-90 near Hardin, Big Horn County, MT	--	6
2023 -- May 01, vehicular pileup in farm dust, high wind, I-55 north of Farmersville, IL	--	6
2023 -- Nov 14, five-vehicle chain-reaction-crash when semi hits SUV, I-70, Etna Twp, OH--	6	
1935 -- Aug 20, vehicles collide, wet road, car slides into bus path, near Bowie, MD	--	5
1953 -- May 30, passing passenger car collides with taxi headon near Selma, AL	--	5
1953 -- Oct 09, car and motorcycle collide, US 285, 37 miles north of Roswell, NM	--	5
1958 -- Feb 10, car on dead-end street plunges into Portneuf River, teens drown, Pocatello, ID--	5	
1958 -- Feb 12, auto/5 and bus collide headon on foggy highway 501 near Conway SC	--	5
1958 -- Apr 04, car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR	--	5
1960 -- Jan 18, freight train cuts school bus in two at RR crossing near Fackler, AL	--	5

²¹⁷⁰ Cross-listed in Rail.

²¹⁷¹ Cross-listed in Dust Storms.

1972 -- Mar 24, high school bus fails to stop at crossing, hit by train, ~Congers, NY -- 5
1984 -- Sep 10, flash flood, family truck swept away about 15 miles W of Las Vegas, NV -- 5
2016 -- Nov 21, Woodmore elementary school bus crash, Brainerd near Chattanooga, TN -- 5

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

1. 1892 -- Jan 19, train hits Clover Fishing Club sleighing party, St Louis, MO²¹⁷² -- ~10
 1893 -- Jan 18, sleighing party hit by train at grade crossing, Lonsdale, RI²¹⁷³ -- 9
2. 1900 -- Aug 12, train hits horse-drawn coach at grade crossing ~Slatington, PA²¹⁷⁴ --13-15
3. 1911 -- Sep 24, Train Collision with Hay Wagon at Crossing, Neenah, WI²¹⁷⁵ -- 15
 1912 -- Oct 07, Racing Cars Collide, Thirty-third Street Bridge, Philadelphia, PA -- 9
 1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK²¹⁷⁶--8-9
4. 1919 -- Nov 1, Train Hits "Auto Truck" at Grade Crossing, Clarksboro, NJ²¹⁷⁷ --14-16
5. 1922 -- Sep 11, Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²¹⁷⁸-18
6. 1926 -- July 22, Bus with Brooklyn excursionists Overturns, near Nyack, NY -- 10
 1926 -- Nov 01, truck hits street car head-on, is hit by following truck, Fire, Dayton, OH-- 8
7. 1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX²¹⁷⁹ -- 10
8. 1927 -- Oct 14, Interurban Railcar hits truck-trailer with people, Indianapolis, IN²¹⁸⁰ --20-21
9. 1929 -- Jan 22, Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH²¹⁸¹ -- 20
10. 1930 -- Jan 22, Train Hits School Bus, Berea, OH (cross-listed in Rail) -- 10
11. 1930 -- Apr 11, train hits Pickwick-Greyhound bus, near Isleta, NM (Rail cross-listed)-- 22
12. 1931 -- Aug 03, Bus goes through open drawbridge, Sampit River ~Georgetown, SC²¹⁸²-- 23
13. 1933 -- Dec 14, school bus hit, Atlantic Coast Line Train, near Crescent City, FL²¹⁸³ -- 11
 1934 -- Apr 15, Nevin Western Bus hits Truck on side of road, near Elyria, OH -- 6
14. 1934 -- July 22, bus with defective brakes runs off road, Burns, Ossining, NY --19-20
 1934 -- Nov 16, Auto's Collide and Burn, Hensheytown, ~Bellwood and Altoona, PA -- 7
15. 1935 -- Apr 12, school bus and train collision, Rockville, MD (Rail cross-listed) -- 14
 1935 -- Aug 20, Vehicles Collide, wet road, car slides into bus path, near Bowie, MD -- 5
16. 1935 -- Dec 22, Bus Drives Off River Drawbridge, Hopewell, VA -- 14
17. 1936 -- Jan 24, Train hits car at crossing, all 11 members of family killed, Grabill, IN²¹⁸⁴-- 11
18. 1936 -- Jan 31, Hwy. Accident & Fire, Prison Transport Bus, Scottsboro, AL -- 20
19. 1936 -- Mar 28, Grade Crossing Collision, Bus & Central of GA Train, Bryon, GA²¹⁸⁵-- 11
 1936 -- July 18, Train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI-- 9
20. 1937 -- Jan 25, Tamiami Trail Tours bus goes in Everglades canal ~Coral Gables, FL -- 17

²¹⁷² Cross-listed in Rail.

²¹⁷³ Cross-listed in Rail.

²¹⁷⁴ Cross-listed in Rail.

²¹⁷⁵ Cross-listed in Rail.

²¹⁷⁶ Cross-listed in Explosions and in Hazardous Materials.

²¹⁷⁷ Cross-listed in Rail.

²¹⁷⁸ Cross-listed in Structural Failures—Bridges.

²¹⁷⁹ Cross-listed in Rail.

²¹⁸⁰ Cross-listed in Rail.

²¹⁸¹ Cross-listed in Rail and winter Storms.

²¹⁸² This was the deadliest non-collision bus disaster in the U.S. until May 9, 1980 when a freighter hit the Skyway bridge in Tampa, knocking out a span, causing a Greyhound bus to fall into the Bay with 26 fatalities.

²¹⁸³ Cross-listed in Rail.

²¹⁸⁴ Cross-listed in Rail.

²¹⁸⁵ Cross-listed in Rail.

21. 1937 -- Mar 24, blowout, roller-skate team bus hits bridge, fire, Salem IL -- 21
 1937 -- May 30, two car collision on curve/6 one family, Hwy. 42, Newtonburg, WI -- 9
 1937 -- June 26, automobiles collide head-on, west of Erick, OK -- 6
 22. 1937 -- Oct 22, school bus hit by Rock Island Line Train *Rocket*, Mason City, IA²¹⁸⁶ -- 10
 1938 -- Nov 19, auto with 7 crippled children falls into Mine-Pit, Wilkes-Barre, PA -- 8
 23. 1938 -- Dec 01, train hits Jordan High School bus at crossing, Midvale, UT (Rail cross-list)-26

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

24. 1940 -- Mar 14, train hits farm workers truck at Highway 83 crossing, Alamo, TX²¹⁸⁷ -- 29
 25. 1940 -- Apr 21, two cars collide head-on (young people 17-23), Slayton, MN²¹⁸⁸ -- 12
 1940 -- Nov 07, automobile and gravel truck collide, all killed, Pipestone, MN -- 9
 26. 1941 -- Oct 26, passenger bus hits concrete railing, burns, Clanton, AL -- 17
 1942 -- Feb 22, train hits car at crossing, near Abingdon, VA -- 8
 1942 -- Feb 26, bus with airmen hit by train at RR Crossing in snow storm ~Enid, OK-- 7
 1942 -- Mar 07, car and ammo. truck collide, fire, delayed explosion, ~Selma, NC²¹⁸⁹ -- 7
 27. 1942 -- Oct 03, gasoline tanker/wagon/bus/collision, near Lumberton, NC --11-12
 28. 1942 -- Oct 28, bus with children/workers goes past flashing lights, hit by Train, Detroit, MI--16
 29. 1942 -- Dec 22, rockslide crushes passenger bus near Aliquippa, PA²¹⁹⁰ -- 22
 30. 1943 -- June 05, Army truck crashes through bridge over railroad near Nashville, TN -- 19
 1943 -- July 04, autos collide near Marienville, Northwest PA -- 8
 31. 1943 -- Dec 14, war workers bus and tractor trailer collide, bus burns, ~Campbell, NY-- 11
 32. 1944 -- Jan 06, US Army Air Force bus and train collide, Kingman Army Air Field, AZ-- 28
 33. 1944 -- Mar 20, bus slides off Market St. Bridge into Passaic River near Passaic, NJ --19-20
 1944 -- July 2, USA truck overturns, hits pedestrians, Farrington Hwy, Waiialua, Oahu, HI-- 7
 34. 1944 -- Nov 21, car/truck collision, butane gas tank truck explosion, Denison, TX²¹⁹¹ -- 10
 35. 1945 -- Nov 26, school bus goes into Lake Chelan in snowstorm, Chelan, WA -- 16
 36. 1947 -- Feb 17, train-crew bus drives into path of one-car electric train, Andry, IN -- 13
 37. 1947 -- Aug 05, worker and gasoline trucks collide and burn, near Waxahachie, TX -- 19
 1948 -- Mar 27, car turns in front of truck, collide in heavy fog, near Kalamazoo, MI -- 6
 38. 1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN -- 10
 39. 1949 -- Aug 10, Greyhound bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN -- 16
 40. 1949 -- Nov 10, cotton pickers truck and semi collide, US Hwy. 80 near Gila Bend, AZ-- 10

 1950 -- Feb 28, speeding car/4 Ft. Meade soldiers, hits taxi, US 1 ~Patapsco Riv. Bridge, MD--6
 1950 -- Mar 25 dust storms & auto accidents, TX (3), KS (4), NE (1) -- 8
 41. 1950 -- May 25, collision, Green Hornet Trolley & gasoline tank truck, Chicago, IL²¹⁹²-- 34
 1951 -- Jan 28, traffic accident, Toccoa, Stephens County, GA -- 7
 1951 -- Jan 28, Bridal party car misses Mystic Riv. bridge ramp, goes off old bridge draw, Boston MA-- 6

²¹⁸⁶ Cross-listed in Rail.

²¹⁸⁷ Cross-listed in Rail.

²¹⁸⁸ This was at the time the deadliest "pleasure car" accident in the country.

²¹⁸⁹ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield. Cross-listed in Explosions.

²¹⁹⁰ Cross-listed in Landslides.

²¹⁹¹ Cross-listed in Explosions and in Hazardous Materials.

²¹⁹² Cross-listed in Rail.

42. 1951 -- Aug 18, beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI --11-14

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

- 1952 -- Jan 28, tire blowout, car hits bridge, goes into slough, US 54 ~Kingman, KS -- 7
43. 1952 -- Aug 04, Greyhound buses collide head-on / fire, Waco, TX -- 28
44. 1953 -- Mar 20, family of 10 killed in truck and car collision, near Washington, NJ -- 10
- 1953 -- May 29, speeding car and 10-ton power shovel collide, South China, ME -- 6
- 1953 -- May 30, passing passenger car collides with taxi headon near Selma, AL -- 5
45. 1953 -- Aug 01, two cars collide/side-swipe in downpour, US 10 near Randall, MN --all 10
- 1953 -- Oct 09, car and motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5
46. 1954 -- June 07, two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD-- 10
47. 1954 -- July 31, car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11
48. 1955 -- Aug 22, school bus hit by train at railroad grade crossing, Spring City, TN²¹⁹³ -- 11
- 1955 -- Nov 18, truck drives into path of train at crossing near Newport, MI -- 9
49. 1956 -- Oct 03, two automobiles collide head-on near Muncie, IN -- 10
50. 1956 -- Dec 16, car, inebriated driver, hits train at Crossing, SW Phoenix, AZ -- 12
51. 1957 -- May 25, two-car collision kills two families, IL Hwy. 116 near Benson, IL -- 11
52. 1957 -- June 06, tractor-trailer and laborer truck collide, burn, near Fayetteville, NC -- 21
53. 1957 -- June 11, train hits farm worker truck at railroad crossing, Vroman, CO -- 12
54. 1957 -- June 13, US Army truck skids into Piney Ford Creek, Fort Campbell, KY -- 14
- 1958 -- Feb 10, car on dead-end street goes in Portneuf River, teens drown, Pocatello, ID-- 5
- 1958 -- Feb 12, auto/5 and bus collide headon on foggy highway 501 ~Conway SC -- 5
55. 1958 -- Feb 28, school bus hits wrecker, goes in Levisa Fork river near Prestonsburg, KY--27
- 1958 -- Apr 04, car of teenagers hits Greyhound bus, St. Hwy 226 near Creswell, OR -- 5
56. 1958 -- June 16, migrant farm worker truck fire (from spilled gasoline), Soledad, CA -- 14
- 1959 -- Feb 14, OH car goes into Middle Fork, Poca River, Rt 21 near Sissonville, WV-- 6
57. 1959 -- Mar 18, station-wagon (Beavercreek Girl Scouts) hit by train, ~Xenia, OH --all 10
58. 1959 -- June 2, tractor trailer hits stopped propane gas truck, fire, explos. ~Deer Lake, PA--11
59. 1959 -- June 08, farm labor truck and bus collide, fuel explosion/fire, near Phoenix, AZ-- 17
- 1959 -- June 08, auto and trucks collide, family killed, near Duncansville, western PA -- 6
- 1959 -- Nov 09, vehicular accident, three trucks and one car, West Brooklyn, IL -- 7
- 1959 -- Dec 18, car tries to beat train across road at crossing, Fowlerville, MI -- 8
- 1959 -- Dec 25, car collides with concrete abutment, Hwy 9-W near Haverstraw, NY -- 8
- 1960 -- Jan 18, freight train cuts school bus in two at RR crossing near Fackler, AL -- 5
60. 1960 -- Mar 01, train and oil tank truck collision and fire, Bakersfield, CA²¹⁹⁴ -- 14

²¹⁹³ Cross-listed in Rail.

²¹⁹⁴ Cross-listed in Hazardous Materials and in Rail.

- 1960 -- Sep 12, station wagon of high school students hits tractor-trailer near Ripley, WV-- 6
 1960 -- Dec 07, truck carrying bottled gas (4 killed) hit by train (2), near Nashua, NH -- 6

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

- 1961 -- June 17, automobiles collide head-on near Lovelock, NV -- 6
 61. 1961 -- June 30, wrong-way, Cal. speeding pickup hits Cal. station wagon, Jean, NV -- 11
 1961 -- Sep 24, one-ton stake-body truck (carrying 17) overturns/burns, Jacksonville, FL-- 6
 62. 1961 -- Dec 14, train and school bus collision, Auburn, CO²¹⁹⁵ -- 20
 63. 1962 -- Jan 28-Feb 2, dense fog, traffic accidents/pileups/train hits bus, Central Valley CA--28-29
 64. 1962 -- July 25, brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY²¹⁹⁶-- 10
 1963 -- Jan 27, cars collide, Corunna and Morrish Rds., five miles west of Flint, MI -- 6
 65. 1963 -- May 18, farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL-- 27
 66. 1963 -- June 10, brakes fail, truck with Boy Scouts goes off hill ~Hole-in-the-Rock, UT-- 13
 67. 1963 -- Sep 02, two-car collision, TX State Highway 146 near Dayton, TX -- 10
 68. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA²¹⁹⁷ -- 32
 69. 1963 -- Nov 03, car goes through inoperable dead-end warning into Harlem Riv., NYC-- 11
 1964 -- Mar 20, car skids on icy US 69 curve into path of truck, near Cameron, MO -- 6
 70. 1964 -- May 11, train hits station wagon with 8 children at crossing, near Mesa, AZ²¹⁹⁸-- 10
 1965 -- Feb 23, truck/1 and car/5 collide, burn, US 31 five miles so. of Decatur, AL -- all 6
 71. 1965 -- Aug 28, Greyhound bus and timber truck collide, Vinton, LA -- 11
 1965 -- Sep 10, speeding car crosses median (blowout?) hits another near Lincolnton, NC-- 9
 72. 1966 -- Feb 01, farm labor bus hit by train engine pulling caboose, so. of Miami, FL -- 18
 1966 -- Mar 07, two car collision, US Highway 61 north of St Paul, MN -- 7
 1966 -- Apr 30, head-on collision; car with teens and family station wagon, #26 Elsie, OR-- 8
 73. 1966 -- July 03, two cars collide, Ajo Highway ~12 miles west of Three Points AZ --all 10
 74. 1966 -- Dec 28, train hits stalled oil tanker truck at RR crossing, Fire, Everett, MA²¹⁹⁹ -- 13
 75. 1967 -- June 23, station wagon/10 runs stop sign, hits asphalt tanker truck, Hardeeville, SC--10
 76. 1967 -- Dec 15, Silver Bridge collapse, vehicles fall, OH River, Point Pleasant, WV²²⁰⁰-- 46
 77. 1968 -- Mar 07, wrong-side/intoxicated driver's auto hits bus, fire, I-15, Baker, CA -- 20
 1969 -- June 04, automobiles collide, near Slippery Rock, western PA -- 6
 1969 -- Oct 26, drag-racing car hits stopped car with 9 churchgoers, Indianapolis, IN -- 9

²¹⁹⁵ Cross-listed in Rail.

²¹⁹⁶ Cross-listed in Explosions.

²¹⁹⁷ Cross-listed in Rail.

²¹⁹⁸ Cross-listed in Rail.

²¹⁹⁹ Cross-listed in Rail.

²²⁰⁰ Cross-listed in Structural Collapse.

1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6
1969 -- Dec 14, Order of Eastern Star charter bus skids off icy road, Gap ~Lancaster, PA-- 7

ROAD/HWY—Main List—Auto, Bus, Motorized Coach, Trolley, Truck, Van—Chronological

- 1970 -- July 15, Hillel Day School, L.I., NY, charter bus wreck, ~New Smithville, PA-- 7
- 1971 -- Jan 3, wrong-way car/3 deaths, station wagon/5 collide, I-74, near Shelbyville, IN-- 8
1971 -- Apr 06, car with US Coast Guardsmen, goes into Curtis Creek ~Glen Burnie, MD—6
- 1972 -- Mar 24, high school bus fails to stop at crossing, hit by train, Congers, NY -- 5
78. 1972 -- May 13, Greyhound bus/13 passing a car hits truck, US 11W, Bean Station, TN-- 14
79. 1972 -- Nov 07, freighter hits Sidney Lanier Bridge, span collapse, Brunswick GA²²⁰¹ -- 10
80. 1972 -- Dec 26, semi-trailer hits church bus, US 60-84 bridge ~Fort Sumner, NM -- 19
81. 1973 -- Feb 06-11, rain storms and vehicular accidents (3 by drowning), CA, esp. So. CA--15
82. 1973 -- Nov 03, driver heart attack, charter bus crash, I-880 near Sacramento, CA -- 13
83. 1974 -- Jan 15, speeding farm labor bus goes into irrigation ditch, drownings, Blythe, CA--19
84. 1974 -- Mar 08, U.S. INS prison van hits parked tractor trailer, I-8, Jacumba Mts., CA-- 13
85. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
86. 1975 -- July 03, car/truck-camper headon collision, Rt/ 98 Navajo Reservation, no. AZ-- 10
87. 1976 -- Feb 07, train hits camper-truck of children, grade crossing, Beckemeyer, IL²²⁰²-- 12
1976 -- May 11, HAZMAT (ammonia) truck hits I-610 ramp, falls onto Freeway, Houston TX-6
88. 1976 -- May 21, Yuba City High School bus goes off cliff, Yuba City, CA -- 29
- 1977 -- July 14, out of control car/6 hits motor home/2, rural US 69 near Stringtown, OK-- 8
1977 -- Sep 24, gasoline tanker truck hits buildings/fire, KY Route 11, Beattyville, KY-- 7
89. 1977 -- Oct 02, Amtrak train hits pickup (3 adults/7minors), RR crossing, Plant City, FL-- 10
90. 1979 -- Apr 23, impaired driver, pickup speeds through curve into trees ~Crofton, MD-- 10
91. 1980 -- May 09, freighter hits Sunshine Skyway Bridge, span collapse, Tampa, FL²²⁰³ -- 35
92. 1980 -- June 05, Central Texas Charter tour bus goes off Highway 7, near Jasper, AR -- 20
93. 1981 -- Feb 18, commuter bus crash, I-95, into Chopawamsic Creek ~Quantico, VA -- 11
1981 -- Mar 06, Mid-Valley High School auto crash, Underwood Road, Throop, PA -- 8
94. 1981 -- June 26, converted bus/motor home fire, I-15, Cajon Pass, near Victorville CA-- 10
1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO²²⁰⁴-8

²²⁰¹ Cross-listed under Maritime and Structural Collapse/Bridge.

²²⁰² Cross-listed in Rail.

²²⁰³ Cross-listed in Maritime and in Structural Collapse/Bridges. A bus and several cars fell; 22 fatalities on the bus.

²²⁰⁴ Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

- 1982 -- Apr 07, HazMat gasoline truck collision, Caldecott Tunnel, Oakland CA²²⁰⁵ -- 7
 95. 1982 -- Oct 08, tractor semitrailer collides head-on with church van near Lemoore, CA-- 10
- 1983 -- Jan 19, driver dozes, semi hits cars/fire, toll booth, CT Turnpike, Stratford, CT-- 7
 1983 -- Mar 25, crash, Jonesboro School District bus, near Newport AR -- 9
 96. 1983 -- Aug 10, far/tractor-trailer head-on collision, Hwy 86 near Coachella, CA -- 11
 97. 1983 -- Dec 23, activity bus and semitrailer collide, near Devers, TX -- 10
- 1984 -- Jan 21, Whitefish HS wrestling team bus hits jack-knifed fuel tanker/burns ~Essex MT-9
 1984 -- Sep 10, flash flood, family truck swept away ~15 miles W of Las Vegas, NV -- 5
98. 1985 -- Oct 06, brush fire smoke, 33-vehicle pileup, I-5 near Sacramento, CA -- 10
99. 1986 -- May 30, tour bus crashes in West Walker River, Walker, CA -- 21
 1986 -- July 20, stolen police car runs red light, rams car killing 6 inside, Moorestown NJ-- 6
100. 1987 -- Apr 05, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter²²⁰⁶ NY--10
 101. 1987 -- July 17, flash flood, church youth bus & van swept into river near Comfort, TX-- 10
102. 1988 -- May 14, church bus hit by drunk driver, Carrollton, KY -- 27
 1988 -- Aug 03, multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR-- 7
 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN²²⁰⁷-- 9
- 1989 -- Apr 01, Hatchie River bridge collapse, 5 vehicles fall, near Covington, TN²²⁰⁸-- 8
 103. 1989 -- Sep 21, truck/Mission School bus collision and drownings, Alton, TX -- 21
 104. 1989 -- Oct 17, earthquake, Nimitz Highway collapse, Loma Prieta, Northern CA²²⁰⁹-- 41
105. 1990 -- Jan 24, farm worker ban goes into canal, curve in fog, near Clewiston, FL -- 10
 1990 -- Feb 24, 32-car pileup at beginning of blizzard, I-75 north of Tipp City, OH -- 9
 1990 -- Feb 25, out-of-control car crosses I-65 median into path of bus, Indianapolis, IN-- 6
 106. 1990 -- Dec 11, fog, multiple-vehicle collisions, I-75 near Calhoun, TN²²¹⁰ -- 12
107. 1991 -- Nov 29, dust storm, massive I-5 pileup, Coalinga, CA²²¹¹ -- 17
- 1994 -- Jan 30, van apparently driven into path of tractor-trailer, near Howell, MI -- 7
 1994 -- Feb 08, Fargo ND van hits snowplow in whiteout, I-94 near Alexandria, MN-- 7
 108. 1994 -- Mar 09, pickup truck with 20 illegal migrants wrecks, I-15 near Barstow, CA-- 12

²²⁰⁵ Cross-listed in Hazardous Materials.

²²⁰⁶ Cross-listed in Structural Failures--Bridges. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery Co., and ~5½ miles west of Amsterdam, NY, 37 miles NW of Albany.

²²⁰⁷ Cross-listed in Explosions and in Hazardous Materials Events.

²²⁰⁸ Cross-listed in Structural Collapse/Bridges.

²²⁰⁹ Cross-listed in Earthquakes. There was a total of 67 fatalities.

²²¹⁰ Cross-listed in Fog as a Contributing Factor.

²²¹¹ Cross-listed in Dust Storms.

109. 1994 -- July 03, tractor trailer broadsides pickup truck near Snyder, west TX -- 11
 110. 1994 -- July 03, tractor trailer rear-ends family van, Interstate 20, Weatherford, TX -- 14
 111. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 ~Wenatchee, WA -- 11

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

112. 1995 -- Apr 09, dust storm-related vehicle accidents, Bowie, AZ²²¹² -- 10
 1995 -- Oct 25, school bus stopped at crossing hit by train, Fox River Grove, IL -- 7
113. 1997 -- July 29, dump truck hits pickup truck, Albion, Concord Township, MI -- 11
 114. 1997 -- July 30, high schoolers' SUV in no-passing zone, hit by truck, ~Plymouth NC-- 10
 115. 1997 -- Sep 09, van/pickup collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA-- 11
 116. 1997 -- Nov 16, highway collision in fog, van and semi, Mendota, CA²²¹³ -- 11
117. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL²²¹⁴-- 11
 118. 1999 -- May 09, casino/tour bus crashes into concrete wall, New Orleans, LA -- 22
 1999 -- June 04, speeding car runs light, hits car with 3 retired couples, Boca Raton, FL-- 6
 119. 1999 -- Aug 09, farm worker van collides with truck, Five Points, CA -- 13
 1999 -- Sep 25, I-84 pileup/dust storm/high wind/wheat field under plow ~Pendleton OR²²¹⁵-8
 120. 1999 -- Dec 04, illegal worker van collides with 18-wheeler, I-40 ~Albuquerque, NM-- 13
121. 2000 -- Jan 23, icy-road, multi-vehicle collision/fire, I-29 near Platte City, MO -- 10
122. 2001 -- Jan 26, black ice hwy. accident, Salvation Army bus/van, Will County, IL -- 11
 2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX-- 8
- 2002 -- Mar 26, retirement home bus crashes into van, Dodge County, WI -- 8
123. 2002 -- May 26, barge hits bridge, span collapse, vehicles fall, Webbers falls, OK²²¹⁶-- 14
 124. 2002 -- Sep 12, speeding van, off John's Bridge btwn Eagle & Churchill Lakes, ME-- 14
 125. 2002 -- Oct 11, fog, multi vehicle pileup, I-43, near Cedar Grove, WI²²¹⁷ -- 10
- 2003 -- Jan 2, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA-- 9
126. 2003 -- July 16, car collides with car and then pedestrians, Santa Monica, CA -- 10
127. 2004 -- Sep 20, tractor-trailer crosses median, hits pickup and SUV, near Sherman, TX--10
 128. 2004 -- Oct 09, MCI motorcoach crash, I-55 near Turrell, AR -- 15
129. 2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA²²¹⁸ -- 11
 130. 2005 -- Sep 23, Hurricane Rita nursing home bus burns, Wilmer, TX -- 23

²²¹² Cross-listed in Dust Storms.

²²¹³ Cross-listed in Fog as a Contributing Factor.

²²¹⁴ Cross-listed in Rail.

²²¹⁵ Cross-listed in Dust Storms.

²²¹⁶ Cross-listed under Maritime and Structural Collapse.

²²¹⁷ Cross-listed in Fog as a Contributing Condition.

²²¹⁸ Cross-listed in Rail, and in Violence/Manslaughter.

ROAD/HWY—Main List—Auto, Bus, Motorized Coach, Trolley, Truck, Van—Chronological

131. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip, ~Yuma, AZ—10
 2007 -- Mar 02, Bluffton Univ., OH baseball team bus crash, Atlanta, GA -- 7
132. 2007 -- Aug 01, Interstate 35W bridge collapse, vehicles fall, Minneapolis, MN²²¹⁹ -- 13
 2008 -- Jan 06, motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT-- 9
133. 2008 -- Aug 8, chartered tour bus crash off bridge, U.S. Highway 75, Sherman, TX -- 17
 2009 -- Jan 30, tour bus crash (loss of control and rollover), Dolan Springs, AZ -- 7
134. 2009 -- Jun 06, illegal immigrant (22) smuggling SUV blowout/rollover, ~Sonoita, AZ--11
135. 2009 -- Jun 26, tractor-trailer hits multiple cars, Will Rogers Turnpike near Miami, OK--10
136. 2010 -- Mar 26, highway crash, tractor-trailer hits can, near Munfordville, KY -- 11
137. 2011 -- Mar 12, World Wide Travel Casino tour bus crash, I-95, Bronx, NY -- 15
138. 2012 -- Jan 29, smoke/haze/fog, Interstate 75 pileup, south of Gainesville, FL -- 11
139. 2012 -- July 22, pickup truck with 23 illegals crashes, US Highway 59 ~Goliad, TX-- 14
 2012 -- Dec 30, tourist charter bus crash, icy I-84 near Pendleton, OR -- 9
- 2013 -- Mar 10, speeding SUV (teens) hits guardrail, flips into pond near Warren, OH-- 6
 2013 -- Oct 2, church bus tire blowout, crash into SUV and tractor-trailer, I-40 east TN-- 8
140. 2014 -- Apr 11, FedEx truck hits high school charter bus, I-5 near Orland, CA -- 10
141. 2015 -- Jan 14, TX Corrections Dept. Prison bus skids off icy I-20, hits train ~Penwell, TX-- 10
142. 2016 -- Oct 23, tour bus runs into semi, I-10, Indian Canyon near Palm Springs, CA-- 13
 2016 -- Nov 21, Woodmore Elementary School bus crash, Brainerd ~Chattanooga, TN-- 5
143. 2017 -- Mar 29, pickup truck hits church bus head-on, Hwy 83 near Concan, TX -- 13
 2017 -- June 19, dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM²²²⁰-- 6
- 2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM-- 9
144. 2018 -- Oct 6, birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie NY--20
 2019 -- Jan 03, multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL -- 7
 2019 -- Jan 06, drunk driver going wrong way, I-75, hits MI family car, Lexington, KY-- 6
 2019 -- June 21, pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH -- 7
145. 2021 -- Mar 02, illegal's SUV and semi-truck collide, State Hwy 115 near Holtville, CA-13
 2021 -- July 25, dust storm and I-15 vehicular pileup near Kanosh, UT -- 8

²²¹⁹ Cross-listed in Structural Collapse/Bridges.

²²²⁰ Cross-listed in Dust Storms.

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

2022 -- July 15, dust storm, 21-vehicle pileup, I-90 near Hardin, Big Horn County, MT	--	6
2023 -- May 01, vehicular pileup in farm dust, high wind, I-55 north of Farmersville, IL	--	6
2023 -- May 7, SUV driven into 18 migrant pedestrians at bus-stop, Brownsville, TX	--	8
2023 -- Oct 24, pileup of 168 vehicles in fog/smoke, I-55 outside New Orleans, LA	--	8
2023 -- Nov 14, five-vehicle chain-reaction-crash when semi hits SUV, I-70, Etna Twp, OH	--	6

ROAD/Highway Subset – AUTOMOBILE, PICKUP, SUV, VAN – by Fatality

1. 1968 -- Mar 07, wrong-side/intoxicated driver's auto hits bus, fire, I-15, Baker, CA²²²¹-- 20
2. 2018 -- Oct 06, birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie, NY--20
3. 1973 -- Feb 06-11, rain storms and vehicular accidents (3 by drowning), CA, esp. So. CA--15
4. 1951 -- Aug 18, beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI²²²² --11-14
5. 2002 -- Sep 12, speeding van, off John's Bridge between Eagle & Churchill Lakes, ME-- 14
6. 2012 -- July 22, pickup truck with 23 illegals crashes, US Highway 59 ~Goliad, TX -- 14
7. 1974 -- Mar 08, U.S. INS prison van hits parked tractor trailer, I-8, Jacumba Mts., CA-- 13
8. 1999 -- Aug 09, farm worker van collides with truck, Five Points, CA -- 13
9. 1999 -- Dec 04, illegal worker van collides with 18-Wheeler, I-40 ~Albuquerque, NM-- 13
10. 2021 -- Mar 02, illegal's SUV and semi-truck collide, State Hwy 115 near Holtville, CA-- 13

11. 1940 -- Apr 21, Two Cars Collide Head-on (young people 17-23), Slayton, MN²²²³ -- 12
12. 1994 -- Mar 09, pickup truck with 20 illegals wrecks, I-15 near Barstow, CA -- 12

13. 1954 -- July 31, car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11
14. 1957 -- May 25, two-car collision kills two families, IL Hwy. 116 near Benson, IL -- 11
15. 1961 -- June 30, wrong-way, Cal. speeding pickup hits Cal. Station Wagon, Jean, NV -- 11
16. 1963 -- Nov 03, car goes through inoperable dead-end warning into Harlem Riv., NYC-- 11
17. 1983 -- Aug 10, car/tractor-trailer head-on collision, Hwy 86 near Coachella, CA²²²⁴ -- 11
18. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 ~Wenatchee, WA -- 11
19. 1997 -- Sep 09, van/pickup collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA -- 11
20. 2009 -- Jun 06, illegal immigrant (22) smuggling SUV blowout/rolls, ~Sonoita, AZ -- 11

21. 1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN -- 10
22. 1953 -- Aug 01, two cars collide/side-swipe in downpour, US 10 near Randall, MN --all 10
23. 1954 -- June 07, two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD-- 10
24. 1956 -- Oct 03, two automobiles collide head-on near Muncie, IN -- 10
25. 1959 -- Mar 18, station-wagon (Beavercreek Girl Scouts) hit by train, ~Xenia, OH --all 10
26. 1962 -- Jan 28-Feb 2, dense fog, traffic accidents/pileups, Central Valley CA²²²⁵ -- >10
27. 1963 -- Sep 02, two-car collision, TX State Highway 146 near Dayton, TX -- 10
28. 1966 -- July 03, two cars collide, Ajo Highway ~12 miles west of Three Points AZ --all 10
29. 1967 -- June 23, station wagon/10 runs stop sign, hits asphalt tanker truck, Hardeeville, SC--10
30. 1972 -- Nov 07, freighter hits Sidney Lanier Bridge, span collapses/cars fall, Brunswick GA--10
31. 1975 -- July 03, car/truck-camper headon collision, Rt. 98 Navajo Reservation, Nor. AZ-- 10
32. 1979 -- Apr 23, impaired driver, pickup speeds through curve into trees ~Crofton, MD-- 10
33. 1987 -- Apr 05, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter²²²⁶ NY-- 10
34. 1990 -- Jan 24, farm worker van goes into canal, curve in fog, near Clewiston, FL -- 10

²²²¹ Cross-listed in Bus subsection. An intoxicated auto driver going 65 mph the wrong way on an Interstate highway hits a bus, resulting in 19 fatalities on the bus in addition to the death of the auto driver.

²²²² Cross-listed in bus and in truck subsets, where all the fatalities occurred.

²²²³ This was at the time the deadliest "pleasure car" accident in the country.

²²²⁴ All the fatalities were in the car, which ran a stop-sign, while speeding, and was hit by the truck.

²²²⁵ There were 28-29 total fatalities with one event (train hitting farm worker bus) taking 11 lives alone.

²²²⁶ Cross-listed in Structural Failures--Bridges. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery Co., and ~5½ miles west of Amsterdam, NY, 37 miles NW of Albany.

35. 1997 -- July 30, high schoolers' SUV in no-passing zone, hit by truck, ~Plymouth, NC-- 10
 36. 2003 -- July 16, car collides with car and pedestrians, Santa Monica, CA -- 10
 37. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip ~Yuma, AZ-- 10

ROAD/Highway subset – AUTOMOBILE, PICKUP, SUV, VAN – by Fatality:

38. 2021 -- June 19, 18-vehicle crash, 8 girls/Tallapoosa Girls Ranch van, 2/SUV, I-65, Butler Co., AL²²²⁷-- 10

Some Select Other Events (fewer than ten lives lost):

- 1912 -- Oct 07, racing cars collide, Thirty-Third Street Bridge, Philadelphia, PA -- 9
 1936 -- July 18, train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI -- 9
 1937 -- May 30, two car collision on curve/6 one family, Hwy. 42, Newtonburg, WI -- 9
 1965 -- Sep 10, speeding car crosses median (blowout?) hits another near Lincolnton, NC-- 9
 1969 -- Oct 26, drag-racing car hits stopped car with 9 churchgoers, Indianapolis, IN -- 9
 2003 -- Jan 02, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA -- 9
 1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK²²²⁸ -- 8-9
- 1926 -- Nov 01, truck hits street-car head-on, is hit by following truck, fire, Dayton, OH -- 8
 1938 -- Nov 19, auto with 7 crippled children falls into mine-pit, Wilkes-Barre, PA -- 8
 1943 -- July 04, autos collide, near Marienville, Northwest PA -- 8
 1950 -- Mar 25 dust storms & auto accidents, TX (3), KS (4), NE (1) -- 8
 1959 -- Dec 18, car tries to beat train across road at crossing, Fowlerville, MI -- 8
 1959 -- Dec 25, car collides with concrete abutment, Hwy 9-W near Haverstraw, NY -- 8
 1966 -- Apr 30, head-on collision; car with teens and family station wagon, US 26, Elsie, OR-- 8
 1971 -- Jan 3, wrong-way car/3 deaths and station wagon/5 collide, I-74, near Shelbyville, IN-- 8
 1977 -- July 14, out of control car/6 hits motor home/2, rural US 69 near Stringtown, OK -- 8
 1981 -- Mar 06, Mid-Valley High School auto crash, Underwood Road, Throop, PA -- 8
 2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX -- 8
 2008 -- Feb 16, car hits street race spectators, Indian Head Highway, Accokeek, MD²²²⁹ -- 8
 2023 -- May 7, SUV driven into 18 migrant pedestrians at a bus-stop, Brownsville, TX -- 8
- 1934 -- Nov 16, auto's collide and burn, Hensheytown, near Bellwood and Altoona, PA -- 7
 1942 -- Mar 07, car and ammo truck collide, fire, delayed explosion, near Selma, NC²²³⁰ -- 7
 1951 -- Jan 28, traffic accident, Toccoa, Stephens County, GA -- 7
 1952 -- Jan 28, tire blowout, car hits bridge, goes into slough, US 54 ~Kingman, KS -- 7
 1959 -- Nov 09, vehicular accident, three trucks and one car, West Brooklyn, IL²²³¹ -- 7
 1966 -- Mar 07, two car collision, US Highway 61 north of St Paul, MN -- 7
 1988 -- Aug 3, multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR -- 7
 1994 -- Jan 30, van apparently driven into path of tractor-trailer, near Howell, MI -- 7

²²²⁷ *The Weather Channel* includes these deaths in the twelve it attributes to Tropical Storm Claudette.

²²²⁸ Cross-listed in Explosions and in Hazardous Materials.

²²²⁹ Cross-listed in Automobile Racing.

²²³⁰ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
 Cross-listed in Explosions.

²²³¹ Six of the dead were family members in the car. One truck driver was killed.

2019 -- June 21, pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH -- 7

Road/Highway/Vehicular subset -- Automobile, Pickup SUV, Van -- by Mortality:

1937 -- June 26, automobiles collide head-on, west of Erick, OK -- 6
1948 -- Mar 27, car turns in front of truck, collide in heavy fog, near Kalamazoo, MI -- 6
1949 -- Oct 16, auto hits horse/on-coming car skids into the auto, 7M south of Sicily Isl. LA-- 6
1950 -- Feb 28, speeding car/4 Ft. Meade soldiers, hits taxi, US 1 near Patapsco Riv. Bridge, MD-- 6
1951 -- Jan 28, Bridal party car misses Mystic Riv. bridge ramp, goes off old bridge draw, Boston MA-- 6
1959 -- Feb 14, OH car goes into Middle Fork, Poca River, Rt 21 near Sissonville, WV -- 6
1959 -- June 08, auto/trucks collide, family killed, near Duncansville, Western PA -- 6
1960 -- Sep 12, station wagon of high school students hits tractor-trailer near Ripley, WV -- 6
1961 -- June 17, automobiles collide head-on near Lovelock, NV -- 6
1961 -- Sep 24, one-ton stake-body truck (carrying 21) overturns/burns, Jacksonville, FL -- 6
1963 -- Jan 27, cars collide, Corunna and Morrish Rds., five miles west of Flint, MI -- 6
1964 -- Mar 20, car skids on icy US 69 curve into path of truck, near Cameron, MO -- 6
1965 -- Feb 23, truck/1 and car/5 collide, burn, US 31 five miles so. of Decatur, AL -- all 6
1969 -- June 04, automobiles collide, near Slippery Rock, western PA -- 6
1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ-- 6
1971 -- Apr 06, car with US Coast Guardsmen, goes into Curtis Creek ~Glen Burnie, MD-- 6
1986 -- July 20, stolen police car runs red light, rams car killing 6 inside, Moorestown, NJ-- 6
1990 -- Feb 25, out-of-control car crosses I-65 median into path of bus, Indianapolis, IN -- 6
1999 -- June 4, speeding car runs light, hits car with 3 retired couples, Boca Raton, FL -- 6
2013 -- Mar 10, speeding SUV (teens) hits guardrail, flips into pond near Warren, OH -- 6
2019 -- Jan 6, drunk driver going wrong way, I-75, hits MI family car, Lexington, KY -- 6

1935 -- Aug 20, vehicles collide, wet road, car slides into bus path, near Bowie, MD -- 5
1953 -- May 30, passing passenger car collides with taxi headon near Selma, AL -- 5
1953 -- Oct 09, car and motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5
1958 -- Feb 12, auto/5 and bus collide headon on foggy highway 501 ~Conway SC -- 5
1958 -- Apr 04, car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR -- 5
1984 -- Sep 10, flash flood, family truck swept away near 15 miles W of Las Vegas, NV -- 5

ROAD/Highway Events subset – AUTOMOBILE, PICKUP, SUV, VAN – Chronological

- 1912 -- Oct 07, racing cars collide, Thirty-third Street Bridge, Philadelphia, PA -- 9
1919 -- Jan 26, nitroglycerin explodes, wagon going through town of Big Heart, OK²²³²-- 8-9
- 1926 -- Nov 01, truck hits street car head-on, is hit by following truck, fire, Dayton, OH-- 8
- 1934 -- Nov 16, auto's collide and burn, Hensheytown, ~Bellwood and Altoona, PA -- 7
1935 -- Aug 20, vehicles collide, wet road, car slides into bus path, near Bowie, MD -- 5
1936 -- July 18, train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI-- 9
1937 -- May 30, two car collision on curve/6 one family, Hwy. 42, Newtonburg, WI -- 9
1937 -- June 26, automobiles collide head-on, west of Erick, OK -- 6
1938 -- Nov 19, auto with 7 crippled children falls into mine-pit, Wilkes-Barre, PA -- 8
1. 1940 -- Apr 21, two cars collide head-on (young people 17-23), Slayton, MN²²³³ -- 12
1943 -- July 04, autos collide, near Marienville, Northwest PA -- 8
1948 -- Mar 27, car turns in front of truck, collide in heavy fog, near Kalamazoo, MI -- 6
2. 1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN -- 10
1949 -- Oct 16, auto hits horse/on-coming car skids into the auto, 7M S of Sicily Isl. LA-- 6
- 1950 -- Feb 28, speeding car/4 Ft. Meade soldiers, hits taxi, US 1 ~Patapsco Riv. Bridge, MD--6
1950 -- Mar 25 dust storms & auto accidents, TX (3), KS (4), NE (1) -- 8
1951 -- Jan 28, Bridal party car misses Mystic Riv. bridge ramp, goes off old bridge draw, Boston MA-- 6
3. 1951 -- Aug 18, beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI²²³⁴ --11-14
1953 -- May 30, passing passenger car collides with taxi headon near Selma, AL -- 5
4. 1953 -- Aug 01, two cars collide/side-swipe in downpour, US 10 near Randall, MN --all 10
1953 -- Oct 09, car and motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5
5. 1954 -- June 07, two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD-- 10
6. 1954 -- July 31, car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11
7. 1956 -- Oct 03, two automobiles collide head-on near Muncie, IN -- 10
8. 1957 -- May 25, two-car collision kills two families, IL Hwy. 116 near Benson, IL -- 11
9. 1958 -- Feb 12, auto/5 and bus collide headon on foggy highway 501 ~Conway SC -- 5
1958 -- Apr 04, car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR -- 5
1959 -- Feb 14, OH car goes into Middle Fork, Poca River, Rt 21 near Sissonville, WV-- 6
10. 1959 -- Mar 18, station-wagon (Beavercreek Girl Scouts) hit by train, ~Xenia, OH --all 10
1959 -- June 8, auto and trucks collide, family killed, ~Duncansville, Western PA -- 6
11. 1959 -- Oct 09, semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ-- 12
1959 -- Nov 09, vehicular accident, three trucks and one car, West Brooklyn, IL²²³⁵ -- 7
1959 -- Dec 18, car tries to beat train across road at crossing, Fowlerville, MI -- 8
1959 -- Dec 25, car collides with concrete abutment, Hwy 9-W near Haverstraw, NY -- 8
- 1960 -- Sep 12, station wagon of high school students hits tractor-trailer near Ripley, WV-- 6

²²³² Cross-listed in Explosions and in Hazardous Materials.

²²³³ This was at the time the deadliest "pleasure car" accident in the country.

²²³⁴ Cross-listed in bus and in truck subsets.

²²³⁵ Six of the dead were family members in the car. One truck driver was killed.

- 1961 -- June 17, automobiles collide head-on near Lovelock, NV -- 6
12. 1961 -- June 30, wrong-way, Cal. speeding pickup hits Cal. station wagon, Jean, NV -- 11
13. 1962 -- Jan 28-Feb 2, dense fog, traffic accidents/pileups, Central Valley CA²²³⁶ -- >10
- 1963 -- Jan 27, cars collide, Corunna and Morrish roads, five miles west of Flint, MI -- 6
14. 1963 -- Sep 02, two-car collision, TX State Highway 146 near Dayton, TX -- 10
15. 1963 -- Nov 03, car goes through inoperable dead-end warning into Harlem Riv., NYC-- 11
- 1964 -- Mar 20, car skids on icy US 69 curve into path of truck, near Cameron, MO -- 6
- 1965 -- Feb 23, truck/1 and car/5 collide, burn, US 31 five miles so. of Decatur, AL -- all 6
- 1965 -- Sep 10, speeding car crosses median (blowout?) hits another near Lincolnton, NC-- 9
- 1966 -- Mar 07, two car collision, US Highway 61 north of St Paul, MN -- 7
- 1966 -- Apr 30, head-on collision; car with teens and family station wagon, US26, Elsie, OR-8
16. 1966 -- July 03, two cars collide, Ajo Highway ~12 miles west of Three Points AZ --all 10
17. 1967 -- June 23, station wagon/10 runs stop sign, hits asphalt tanker truck, Hardeeville, SC--10
18. 1968 -- Mar 07, wrong-side/intoxicated driver's auto hits bus, fire, I-15, Baker, CA²²³⁷-- 20
- 1969 -- June 04, automobiles collide, near Slippery Rock, western PA -- 6
- 1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6

ROAD/Highway Events subset – AUTOMOBILE, PICKUP, SUV, VAN – Chronological:

- 1971 -- Jan 3, wrong-way car/3 deaths, station wagon/5 collide, I-74, near Shelbyville, IN-- 8
- 1971 -- Apr 06, car with US Coast Guardsmen, goes into Curtis Creek ~Glen Burnie, MD-- 6
19. 1972 -- Nov 07, freighter hits Sidney Lanier Bridge, span collapses/cars fall, Brunswick GA--10
20. 1973 -- Feb 06-11, rain storms and vehicular accidents (3 by drowning), CA, esp. So. CA--15
21. 1974 -- Mar 08, U.S. INS prison van hits parked tractor trailer, I-8, Jacumba Mts., CA-- 13
22. 1975 -- July 03, car/truck-camper headon collision, Rt. 98 Navajo Reservation, no. AZ-- 10
- 1977 -- July 14, out of control car/6 hits motor home/2, rural US 69 near Stringtown, OK-- 8
23. 1979 -- Apr 23, impaired driver, pickup speeds through curve into trees ~Crofton, MD-- 10
- 1981 -- Mar 06, Mid-Valley High School auto crash, Underwood Road, Throop, PA -- 9
24. 1983 -- Aug 10, car/tractor-trailer head-on collision, Hwy 86 near Coachella, CA²²³⁸ -- 11
- 1984 -- Sep 10, flash flood, family truck swept away ~15 miles west of Las Vegas, NV-- 5
- 1986 -- July 20, stolen police car runs red light, rams car killing 6 inside, Moorestown NJ-- 6
25. 1987 -- Apr 05, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter²²³⁹ NY-- 10
- 1988 -- Aug 03, multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR-- 7
26. 1990 -- Jan 24, farm worker van goes into canal, curve in fog, near Clewiston, FL -- 10
- 1990 -- Feb 25, out-of-control car crosses I-65 median into path of bus, Indianapolis, IN-- 6
- 1994 -- Jan 30, van apparently driven into path of tractor-trailer, near Howell, MI -- 7
- 1994 -- Feb 08, Fargo ND van hits snowplow in whiteout, I-94 near Alexandria, MN' -- 7
27. 1994 -- Mar 09, pickup truck with 20 illegal immigrants wrecks, I-15 near Barstow, CA-- 12

²²³⁶ There were 28-29 total fatalities with one event (train hitting farm worker bus) taking 11 lives alone.

²²³⁷ Cross-listed in Bus subsection. An intoxicated auto driver going 65 mph the wrong way on an Interstate highway hits a bus, resulting in 19 fatalities on the bus in addition to the death of the auto driver.

²²³⁸ All the fatalities were in the car, which ran a stop-sigh, while speeding, and was hit by the truck.

²²³⁹ Cross-listed in Structural Failures -- Bridges. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery Co., and ~5½ miles west of Amsterdam, NY, 37 miles NW of Albany.

- 28. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 ~Wenatchee, WA -- 11
- 29. 1997 -- July 30, high schoolers' SUV in no-passing zone, hit by truck, ~Plymouth NC -- 10
- 30. 1997 -- Sep 09, van/pickup collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA -- 11
- 1999 -- June 04, speeding car runs light, hits car with 3 retired couples, Boca Raton, FL-- 6
- 31. 1999 -- Aug 09, farm worker van collides with truck, Five Points, CA -- 13
- 32. 1999 -- Dec 04, illegal worker van collides with 18-wheeler, I-40 ~Albuquerque, NM -- 13

ROAD/Highway Events subset – AUTOMOBILE, PICKUP, SUV, VAN – Chronological:

- 2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX -- 8
- 33. 2002 -- Sep 12, speeding van, off John's Bridge between Eagle & Churchill Lakes, ME-- 14
- 2003 -- Jan 02, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA-- 9
- 34. 2003 -- July 16, car collides with car and pedestrians, Santa Monica, CA -- 10
- 35. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip near Yuma, AZ--10
- 2008 -- Feb 16, car hits street race spectators, Indian Head Highway, Accokeek, MD²²⁴⁰-- 8
- 36. 2009 -- June 06, illegal immigrant (22) smuggling SUV blowout/rolls, near Sonoita, AZ-- 11

- 37. 2012 -- July 22, pickup truck with 23 illegals crashes, US Highway 59 near Goliad, TX-- 14
- 38. 2018 -- Oct 06, birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie, NY--20
- 2019 -- Jan 06, drunk driver going wrong way, I-75, hits MI family car, Lexington, KY-- 6
- 2019 -- June 21, pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH -- 7

- 39. 2021 -- June 19, 18-vehicle crash, 8 girls/Tallapoosa Girls Ranch van, 2/SUV, I-65, Butler Co., AL²²⁴¹--10
- 2023 -- May 7, SUV driven into 18 migrant pedestrians at a bus-stop, Brownsville, TX-- 8

²²⁴⁰ Cross-listed in Automobile Racing.

²²⁴¹ *The Weather Channel* includes these deaths in the twelve it attributes to Tropical Storm Claudette.

ROAD / HWY Events subset -- BRIDGE or SPAN Collapse Subset -- By Mortality

1. 1989 -- Oct 17, earthquake, Nimitz Highway collapse, Loma Prieta, Northern CA²²⁴² -- 41
2. 1967 -- Dec 15, Silver Bridge collapse, vehicles fall, OH Riv., Point Pleasant, WV²²⁴³-- 46
3. 1980 -- May 09, freighter hits Sunshine Skyway Bridge, span collapse, Tampa, FL²²⁴⁴-- 35
4. 1922 -- Sep 11, truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²²⁴⁵- 18
5. 2002 -- May 26, barge hits bridge, span collapse, vehicles fall, Webbers falls, OK²²⁴⁶ -- 14
6. 2007 -- Aug 01, Interstate 35W bridge collapse, vehicles fall, Minneapolis, MN²²⁴⁷ -- 13
7. 1972 -- Nov 07, freighter hits Sidney Lanier Bridge, span collapse, Brunswick, GA²²⁴⁸-- 10
8. 1987 -- Apr 05, bridge collapse, Schoharie Crk., NY State Thruway, Amsterdam NY²²⁴⁹-- 10

9. 1989 -- Apr 01, Hatchie River Bridge collapse, 5 vehicles fall, near Covington, TN²²⁵⁰-- 8
10. 2001 -- Sep 15, barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX -- 8

²²⁴² Cross-listed in Earthquakes. There was a total of 67 fatalities.

²²⁴³ Cross-listed in Structural Collapse.

²²⁴⁴ Cross-listed in Maritime and in Structural Collapse/Bridges. A bus and several cars fell; 22 fatalities on the bus.

²²⁴⁵ Cross-listed in Structural Failures—Bridges.

²²⁴⁶ Cross-listed under Maritime and Structural Collapse.

²²⁴⁷ Cross-listed in Structural Collapse/Bridges.

²²⁴⁸ Cross-listed under Maritime and Structural Collapse/Bridge.

²²⁴⁹ Cross-listed in Flooding and in Structural Collapse/Bridges.

²²⁵⁰ Cross-listed in Structural Collapse/Bridges.

ROAD/HWY subset -- BUS/MOTORCOACH/VAN (Other than School Buses) --Mortality

1. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA²²⁵¹ -- 32
2. 1944 -- Jan 06, Army Air Force bus and train collide, Kingman Army Air Field, AZ -- 28
3. 1952 -- Aug 04, Greyhound buses collide dead-on / fire, Waco, TX -- 28
4. 1963 -- May 18, farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL²²⁵²--27
5. 1988 -- May 14, church bus hit by drunk driver, Carrollton, KY -- 27
6. 1980 -- May 09, freighter hits bridge, span collapse, Greyhound bus falls, Tampa, FL²²⁵³-- 26
7. 1931 -- Aug 03, bus goes through open drawbridge, Sampit River ~Georgetown, SC²²⁵⁴ -- 23
8. 2005 -- Sep 23, Hurricane Rita nursing home bus burns, Wilmer, TX -- 23
9. 1930 -- Apr 11, train hits Pickwick-Greyhound bus, near Isleta, NM²²⁵⁵ -- 22
10. 1942 -- Dec 22, rockslide crushes passenger bus, near Aliquippa, PA²²⁵⁶ -- 22
11. 1999 -- May 09, casino tour bus crashes into concrete wall, New Orleans, LA -- 22

12. 1937 -- Mar 24, blowout, roller-skating team bus tits bridge and burns, Salem IL -- 21
13. 1986 -- May 30, tour bus crashes in West Walker River, Walker, CA -- 21
14. 1929 -- Jan 22, train hits Greyhound bus in snowstorm, near Bellevue, OH²²⁵⁷ -- 20
15. 1934 -- July 22, bus with defective brakes runs off road, Burns, Ossining, NY --19-20
16. 1936 -- Jan 31, prison transport bus crash and fire, Scottsboro, AL -- 20
17. 1944 -- Mar 20, bus slides off Market St. Bridge into Passaic River, near Passaic, NJ --19-20
18. 1968 -- Mar 07, wrong-side/intoxicated driver's auto hits bus, fire, I-15, Baker, CA -- 20
19. 1980 -- June 05, Central Texas Charter tour bus goes off Highway 7, near Jasper, AR -- 20
20. 1972 -- Dec 26, semi-trailer hits church bus, US 60-84 bridge ~Fort Sumner, NM -- 19
21. 1974 -- Jan 15, speeding farm labor bus goes into irrigation ditch, drownings, Blythe, CA--19
22. 1966 -- Feb 01, farm labor bus hit by train engine pulling caboose, so. of Miami, FL -- 18
23. 1937 -- Jan 25, Tamiami Trail Tours bus goes in Everglades canal ~Coral Gables, FL -- 17
24. 1941 -- Oct 26, passenger bus hits concrete railing, burns, Clanton, AL -- 17
25. 2008 -- Aug 08, chartered tour bus crash off bridge, U.S. Highway 75, Sherman, TX -- 17
26. 1942 -- Oct 28, bus with children/workers goes past flashing lights, hit by Train, Detroit, MI-- 16
27. 1949 -- Aug 10, Greyhound bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN -- 16
28. 2004 -- Oct 09, MCI Motorcoach crash, I-55 near Turrell, AR -- 15
29. 2011 -- Mar 12, World Wide Travel Casino tour bus crash, I-95, Bronx, NY -- 15
30. 1935 -- Dec 22, bus drives off river drawbridge, Hopewell, VA -- 14
31. 1951 -- Aug 18, beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI²²⁵⁸ --11-14
32. 1960 -- Mar 01, train and oil tank truck collision and fire, Bakersfield, CA²²⁵⁹ -- 14
33. 1972 -- May 13, Greyhound bus/13 passing a car hits truck, US 11W, Bean Station, TN-- 14
34. 1947 -- Feb 17, train-crew bus drives into path of one-car electric train, Andry, IN -- 13

²²⁵¹ Cross-listed in Rail. This was a flatbed truck which had been converted into a bus-like vehicle.

²²⁵² Cross-listed in Truck subset as well -- a passing, sideswiping, pickup truck caused the bus to go into the canal.

²²⁵³ Cross-listed in Maritime and in Structural Collapse/Bridges. There were 35 total fatalities.

²²⁵⁴ This was the deadliest non-collision bus disaster in the U.S. until May 9, 1980 when a freighter hit the Skyway bridge in Tampa, knocking out a span, causing a Greyhound bus to fall into the Bay with 26 fatalities.

²²⁵⁵ Cross-listed in Rail.

²²⁵⁶ Cross-listed in Landslides.

²²⁵⁷ Cross-listed in Rail and winter Storms.

²²⁵⁸ Cross-listed in auto and in truck subsets.

²²⁵⁹ Cross-listed in Hazardous Materials and in Rail.

35. 1973 -- Nov 03, driver heart attack and charter bus crash, I-880 near Sacramento, CA -- 13
 36. 1974 -- Mar 08, US INS prison bus/van collides with parked semi, I-8, Jacumba Mts., CA--13
 37. 2016 -- Oct 23, tour bus runs into semi, I-10, Indian Canyon near Palm Springs, CA -- 13
 38. 2017 -- Mar 29, pickup truck hits church bus head-on, Hwy 83 near Concan, TX -- 13

ROAD/HWY subset--BUS/Motorcoach/VAN (Other than School Buses)--Mortality (Cont.)

39. 1942 -- Oct 03, gasoline tanker/wagon/bus collision, near Lumberton, NC --11-12
 40. 1936 -- Mar 28, grade crossing collision, bus & Central of Georgia train, Bryon, GA²²⁶⁰-- 11
 41. 1940 -- Apr 21, two cars collide head-on (young people 17-23), Slayton, MN -- 11
 42. 1943 -- Dec 14, war workers bus and tractor trailer collide, bus burns, ~Campbell, NY-- 11
 43. 1965 -- Aug 28, Greyhound bus and timber truck collide, Vinton, LA -- 11
 44. 1981 -- Feb 18, commuter bus crash, I-95, into Chopawamsic Creek near Quantico, VA-- 11

 45. 1926 -- July 22, bus with Brooklyn excursionists overturns, near Nyack, NY -- 10
 46. 1927 -- Jan 22, Baylor Univ. Basketball Team bus hit by train, Round Rock, TX²²⁶¹ -- 10
 47. 1981 -- June 26, converted bus/motor home fire, I-15, Cajon Pass, near Victorville CA-- 10
 48. 1982 -- Oct 08, tractor semitrailer collides head-on with church van near Lemoore, CA-- 10
 49. 1987 -- July 17, flash flood, church youth bus and van swept into river ~Comfort, TX²²⁶²-- 10
 50. 1983 -- Dec 23, activity bus and semitrailer collide near Devers, TX -- 10
 51. 2015 -- Jan 14, TX Corrections Dept. Prison bus skids off icy I-20, hits Train ~Penwell, TX-- 10

Other:

- 2008 -- Jan 06, motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
 2012 -- Dec 30, tourist charter bus crash, icy I-84 near Pendleton, OR -- 9
 2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM -- 9

 1966 -- Apr 30, head-on collision; car with teens and family station wagon, Seaside, OR -- 8
 2002 -- Mar 26, retirement home bus crashes into van, Dodge County, WI -- 8
 2013 -- Oct 02, church bus tire blowout, crash into SUV and tractor-trailer, I-40, east TN -- 8

 1942 -- Feb 26, bus with airmen hit by train at railway crossing in snow storm ~Enid, OK -- 7
 1969 -- Dec 14, Order of Eastern Star charter bus skids off icy road, Gap near Lancaster, PA-- 7
 1970 -- Jul 15, Hillel Day School, Long Isl., NY, Charter Bus Wreck, ~New Smithville, PA-- 7
 2009 -- Jan 30, tour bus crash (loss of control and rollover), Dolan Springs, AZ -- 7

 1934 -- Apr 15, Nevin Western Bus hits truck on side of road, near Elyria, OH -- 6
 1935 -- Aug 20, vehicles collide, wet road, car slides into bus path, near Bowie, MD²²⁶³ -- 5

²²⁶⁰ Cross-listed in Rail.

²²⁶¹ Cross-listed in Rail.

²²⁶² Cross-listed under Flooding and Flash Floods.

²²⁶³ All the deaths were in the car, though the bus did turn over.

ROAD/HWY subset--BUS/Motorcoach/VAN (other than school buses) – Chronological:

1. 1926 -- July 22, bus with Brooklyn excursionists overturns, near Nyack, NY -- 10
2. 1927 -- Jan 22, Baylor Univ. basketball team bus hit by train, Round Rock, TX²²⁶⁴ -- 10
3. 1929 -- Jan 22, train hits Greyhound bus in snowstorm, near Bellevue, OH²²⁶⁵ -- 20

4. 1930 -- Apr 11, train hits Pickwick-Greyhound bus, near Isleta, NM (also in “Rail”) -- 22
5. 1931 -- Aug 03, bus goes through open drawbridge, Sampit River ~Georgetown, SC²²⁶⁶-- 23
1934 -- Apr 15, Nevin Western Bus hits truck on side of road, near Elyria, OH -- 6
6. 1934 -- July 22, bus with defective brakes runs off road, burns, Ossining, NY --19-20
1935 -- Aug 20, vehicles collide, wet road, car slides into bus path, near Bowie, MD²²⁶⁷-- 5
7. 1935 -- Dec 22, bus drives off river drawbridge, Hopewell, VA -- 14
8. 1936 -- Jan 31, prison transport bus highway accident and fire, Scottsboro, AL -- 20
9. 1936 -- Mar 28, bus & Central of Georgia train grade crossing collision, Bryon, GA²²⁶⁸-- 11
10. 1937 -- Jan 25, Tamiami Trail Tours bus goes in Everglades canal ~Coral Gables, FL -- 17
11. 1937 -- Mar 24, blowout, roller-skating team bus gits bridge, fire, Salem, IL -- 21

12. 1941 -- Oct 26, passenger bus hits concrete railing, burns, Clanton, AL -- 17
13. 1942 -- Oct 03, gasoline tanker and wagon/bus collision, near Lumberton, NC --11-12
14. 1942 -- Oct 28, bus with children/workers goes past flashing lights, hit by train, Detroit, MI-- 16
15. 1942 -- Dec 22, rockslide crushes passenger bus, near Aliquippa, PA²²⁶⁹ -- 22
16. 1944 -- Jan 06, Army Air Force bus and train collide, Kingman Army Air Field, AZ -- 28
17. 1944 -- Mar 20, bus slides off Market St. Bridge into Passaic River, near Passaic, NJ --19-20
18. 1947 -- Feb 17, train crew bus and train collision, Michigan City, IN (also in Rail) -- 13
19. 1949 -- Aug 10, Greyhound bus overturns/burns, Bloomington, IN -- 15

20. 1951 -- Aug 18, beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI²²⁷⁰ --11-14
21. 1952 -- Aug 04, Greyhound buses collide head-on, fire, Waco, TX -- 28

22. 1960 -- Mar 01, train and oil tank truck collision, fire, Bakersfield, CA²²⁷¹ -- 14
23. 1963 -- May 18, farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL²²⁷²--27
24. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA²²⁷³ -- 32
25. 1965 -- Aug 28, Greyhound bus and timber truck collide, Vinton, LA -- 11
26. 1966 -- Feb 01, farm labor bus hit by train engine pulling caboose, south of Miami, FL-- 18
1966 -- Apr 30, head-on collision; car with teens and family station wagon, Seaside, OR-- 8
27. 1968 -- Mar 07, wrong-side/intoxicated driver’s auto hits bus, fire, I-15, Baker, CA -- 20

²²⁶⁴ Cross-listed in Rail.

²²⁶⁵ Cross-listed in Rail and winter Storms.

²²⁶⁶ This was the deadliest non-collision bus disaster in the U.S. until May 9, 1980 when a freighter hit the Skyway bridge in Tampa, knocking out a span, causing a Greyhound bus to fall into the Bay with 26 fatalities.

²²⁶⁷ All the deaths were in the car, though the bus did turn over.

²²⁶⁸ Cross-listed in Rail.

²²⁶⁹ Cross-listed in Landslides.

²²⁷⁰ Cross-listed in auto and in truck subsets.

²²⁷¹ Cross-listed in Hazardous Materials and in Rail.

²²⁷² Cross-listed in Truck subset as well -- a passing, sideswiping, pickup truck caused the bus to go into the canal.

²²⁷³ Cross-listed in Rail. This was a flatbed truck which had been converted into a bus-like vehicle.

1969 -- Dec 14, Order of Eastern Star charter bus skids off icy road, Gap ~Lancaster, PA-- 7

ROAD/HWY Events subset-- BUS/MOTORCOACH /VAN (not school buses)--chronological

- 1970 -- July 15, Hillel Day School, L.I., NY, charter bus wreck, ~New Smithville, PA-- 7
28. 1972 -- May 13, Greyhound bus/13 passing a car hits truck, US 11W, Bean Station, TN-- 14
29. 1972 -- Dec 26, bus and truck collision, U.S. 60-84, Fort Sumner, NM -- 19
30. 1973 -- Nov 03, driver heart attack, charter bus crash, I-880 near Sacramento, CA -- 13
31. 1974 -- Jan 15, speeding farm labor bus goes into irrigation ditch, drownings, Blythe, CA--19
32. 1974 -- Mar 08, US INS prison bus/van hits parked semi-truck, I-8, Jacumba Mts., CA-- 13
33. 1980 -- May 09, freighter hits bridge, span collapse, Greyhound bus falls, Tampa, FL²²⁷⁴-- 26
34. 1980 -- June 05, Central Texas Charter tour bus goes off Highway 7, near Jasper, AR -- 20
35. 1981 -- Feb 18, commuter bus crash, I-95, into Chopawamsic Creek ~Quantico, VA -- 11
36. 1981 -- June 26, converted bus/motor home fire, I-15, Cajon Pass near Victorville CA-- 10
37. 1982 -- Oct 08, tractor semitrailer collides head-on with church van near Lemoore, CA-- 10
38. 1983 -- Dec 23, activity bus and semitrailer collide, near Devers, TX -- 10
39. 1986 -- May 30, tour bus crashes into West Walker River, Walker, CA -- 21
40. 1987 -- July 17, flash flood, church youth bus & van swept into river ~Comfort, TX²²⁷⁵-- 10
41. 1988 -- May 14, church bus hit by drunk driver, Carrollton, KY -- 27
42. 1999 -- May 09, casino tour bus crashes into concrete wall, New Orleans, LA -- 22
- 2002 -- Mar 26, retirement home bus crashes into van, Dodge County, WI -- 8
43. 2004 -- Oct 09, MCI Motorcoach crash, I-55 near Turrell, AR -- 15
44. 2005 -- Sep 23, nursing home bus burns, evacuating from Hurricane Rita, Wilmer, TX-- 23
- 2008 -- Jan 06, motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
45. 2008 -- Aug 08, chartered tour bus crash off bridge, U.S. Highway 75, Sherman, TX -- 17
46. 2009 -- Jan 30, tour bus crash (loss of control and rollover), Dolan Springs, AZ -- 7
47. 2011 -- Mar 12, World Wide Travel charter casino tour bus crash, I-95, Bronx, NY -- 15
- 2012 -- Dec 30, tourist charter bus crash, icy I-84 near Pendleton, OR -- 9
- 2013 -- Oct 02, church bus tire blowout, crash into SUV and tractor-trailer, I-40 east TN-- 8
48. 2015 -- Jan 14, TX Corrections Dept. prison bus skids off icy I-20, hits train ~Penwell, TX-- 10
49. 2016 -- Oct 23, tour bus runs into semi, I-10, Indian Canyon near Palm Springs, CA -- 13
50. 2017 -- Mar 29, pickup truck hits church bus head-on, Hwy 83 near Concan, TX -- 13
- 2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM-- 9

²²⁷⁴ Cross-listed in Maritime and in Structural Collapse/Bridges. There were 35 total fatalities.

²²⁷⁵ Cross-listed under Flooding and Flash Floods.

ROAD / Highway Events subset – MULTI-VEHICLE Crashes, Pileups – By Mortality

1. 1991 -- Nov 29, dust storm, massive Interstate-5 pileup, Coalinga, CA²²⁷⁶ -- 17
 2. 1990 -- Dec 11, fog, multiple-vehicle collisions, Interstate-75 near Calhoun, TN²²⁷⁷ -- 12
 3. 2012 -- Jan 29, smoke/haze/fog, Interstate-75 pileup, south of Gainesville, FL -- 11
 4. 1985 -- Oct 06, brush fire smoke, 33-vehicle pileup, Interstate-5 near Sacramento, CA-- 10
 5. 1995 -- Apr 09, dust storm-related vehicle accidents, Bowie, AZ²²⁷⁸ -- 10
 6. 2002 -- Oct 11, fog, multi vehicle pileup, Interstate-43, near Cedar Grove, WI²²⁷⁹ -- 10
 7. 2009 -- Jun 26, tractor-trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK -- 10
 8. 2021 -- June 19, 18-vehicle crash, 8 girls/Tallapoosa Girls Ranch van, 2/SUV, I-65, Butler Co., AL²²⁸⁰--10
-
- 1990 -- Feb 24, 32-car pileup at beginning of blizzard, I-75 north of Tipp City, OH -- 9
 - 2023 -- Oct 24, pileup of 168 vehicles in fog/smoke, I-55 outside New Orleans, LA -- 8
 - 1988 -- Aug 03, multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR-- 7
 - 2019 -- Jan 03, multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL -- 7
 - 1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6
 - 2017 -- June 19, dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM²²⁸¹-- 6
 - 2022 -- July 15, dust storm, 21-vehicle pileup, I-90 near Hardin, Big Horn County, MT-- 6
 - 2023 -- May 01, vehicular pileup in farm dust, high wind, I-55 north of Farmersville, IL-- 6

ROAD / Highway Events subset – MULTI-VEHICLE Crashes, Pileups – Chronological

- 1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6
1. 1985 -- Oct 06, brush fire smoke, 33-vehicle pileup, Interstate-5 near Sacramento, CA-- 10
 - 1988 -- Aug 03, multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR-- 7
-
- 1990 -- Feb 24, 32-car pileup at beginning of blizzard, I-75 north of Tipp City, OH -- 9
 2. 1990 -- Dec 11, fog, multiple-vehicle collisions, I-75 near Calhoun, TN²²⁸² -- 12
 3. 1991 -- Nov 29, dust storm, massive Interstate-5 pileup, Coalinga, CA²²⁸³ -- 17
 4. 1995 -- Apr 09, dust storm-related vehicle accidents, Bowie, AZ²²⁸⁴ -- 10
-
5. 2002 -- Oct 11, fog, multi-vehicle pileup, Interstate 43, near Cedar Grove, WI²²⁸⁵ -- 10
 6. 2009 -- Jun 26, tractor-trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK -- 10
-
7. 2012 -- Jan 29, smoke/haze/fog, Interstate-75 pileup, south of Gainesville, FL -- 11
 - 2017 -- June 19, dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM²²⁸⁶-- 6

²²⁷⁶ Cross-listed in Dust Storms.

²²⁷⁷ Cross-listed in Fog as a Contributing Factor.

²²⁷⁸ Cross-listed in Dust Storm.

²²⁷⁹ Cross-listed in Fog as a Contributing Condition.

²²⁸⁰ *The Weather Channel* includes these deaths in the twelve it attributes to Tropical Storm Claudette.

²²⁸¹ Cross-listed in Dust Storms.

²²⁸² Cross-listed in Fog as a Contributing Factor.

²²⁸³ Cross-listed in Dust Storms.

²²⁸⁴ Cross-listed in Dust Storm.

²²⁸⁵ Cross-listed in Fog as a Contributing Condition.

- 2019 -- Jan 3, multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL -- 7
8. 2021 -- June 19, 18-vehicle crash, 8 girls/Tallapoosa Girls Ranch van, 2/SUV, I-65, Butler Co., AL²²⁸⁷--10
- 2022 -- July 15, dust storm, 21-vehicle pileup, I-90 near Hardin, Big Horn County, MT-- 6
- 2023 -- May 01, vehicular pileup in farm dust, high wind, I-55 north of Farmersville, IL-- 6
- 2023 -- Oct 24, pileup of 168 vehicles in fog/smoke, I-55 outside New Orleans, LA -- 8

²²⁸⁶ Cross-listed in Dust Storms.

²²⁸⁷ *The Weather Channel* includes these deaths in the twelve it attributes to Tropical Storm Claudette.

ROAD / Highway Accidents/Incidents -- SCHOOL BUS Subset -- By Mortality

1. 1976 -- May 21, Yuba City High School bus goes off cliff, Yuba City, CA -- 29
2. 1958 -- Feb 28, school bus hits wrecker, goes in Levisa Fork river near Prestonsburg, KY--27
3. 1938 -- Dec 01, train hits Jordan High School bus at RR crossing, Midvale, UT²²⁸⁸ -- 26
4. 1989 -- Sep 21, truck and Mission School bus collision/drownings, Alton, TX -- 21
5. 1961 -- Dec 14, train and school bus collision, Auburn, CO²²⁸⁹ -- 20
6. 1945 -- Nov 26, school bus goes into Lake Chelan in snowstorm, Chelan, WA -- 16
7. 1935 -- Apr 12, school bus and train collision, Rockville, MD -- 14
8. 1959 -- Oct 09, semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ²²⁹⁰-12
9. 1933 -- Dec 14, school bus hit, Atlantic Coast Line train, near Crescent City, FL -- 11
10. 1955 -- Aug 22, school bus hit by train, Spring City, TN -- 11

11. 1930 -- Jan 22, train hits school bus, Berea, OH²²⁹¹ -- 10
12. 1937 -- Oct 22, school bus hit by Rock Island Line *Rocket*, Mason City, IA -- 10

Other:

- 1983 -- Mar 25, crash, Jonesboro School District bus, near Newport, AR -- 9
- 1984 -- Jan 21, Whitefish HS wrestling team bus hits jack-knifed fuel tanker/burns ~Essex MT-9
- 1970 -- July 15, Hillel Day School, L.I., NY, charter bus wreck, ~New Smithville, PA-- 7
- 1995 -- Oct 25, school bus stopped at road crossing hit by train, Fox River Grove, IL²²⁹²-- 7
- 1960 -- Jan 18, freight train cuts school bus in two at RR crossing near Fackler, AL -- 5
- 1972 -- Mar 24, high school bus fails to stop at crossing, hit by train, Congers, NY -- 5
- 2016 -- Nov 21, Woodmore elementary school bus crash, Brainerd ~Chattanooga, TN-- 5

²²⁸⁸ Cross-listed in Rail.

²²⁸⁹ Cross-listed in Rail.

²²⁹⁰ Cross-listed in Truck subsection – bus of Trenton State College students at a red-light was rear-ended by truck.

²²⁹¹ Cross-listed in Rail

²²⁹² Cross-listed in Rail.

ROAD / Highway Accidents/Incidents -- SCHOOL BUS Subset -- Chronological

1. 1930 -- Jan 22, train hits school bus, Berea, OH²²⁹³ -- 10
2. 1933 -- Dec 14, school bus hit by Atlantic Coast Line train, near Crescent City, FL -- 11
3. 1935 -- Apr 12, school bus and train collision, Rockville, MD -- 14
4. 1937 -- Oct 22, school bus hit by Rock Island Line *Rocket*, Mason City, IA -- 10
5. 1938 -- Dec 01, train hits Jordan High School bus at crossing, Midvale, UT²²⁹⁴ -- 26

6. 1945 -- Nov 26, school bus goes into Lake Chelan in snowstorm, Chelan, WA -- 16

7. 1955 -- Aug 22, school bus hit by train, Spring City, TN -- 11
8. 1958 -- Feb 28, school bus hits wrecker, goes in Levisa Fork river near Prestonsburg, KY--27
9. 1959 -- Oct 09, semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ²²⁹⁵-12

- 1960 -- Jan 18, freight train cuts school bus in two at RR crossing near Fackler, AL -- 5
10. 1961 -- Dec 14, train and school bus collision, Auburn, CO²²⁹⁶ -- 20

- 1970 -- July 15, Hillel Day School, L.I., NY, charter bus wreck, near New Smithville, PA-- 7
- 1972 -- Mar 24, high school bus fails to stop at crossing, hit by train, near Congers, NY-- 5
11. 1976 -- May 21, Yuba City High School bus goes off cliff, Yuba City, CA -- 29

- 1983 -- Mar 25, Jonesboro School District bus crash, near Newport, AR -- 9
- 1984 -- Jan 21, Whitefish HS wrestling team bus hits jack-knifed fuel tanker/burns ~Essex MT-9
12. 1989 -- Sep 21, truck and Mission School bus collision and drownings, Alton, TX -- 21

- 1995 -- Oct 25, school bus stopped at crossing hit by train, Fox River Grove, IL²²⁹⁷ -- 7

- 2016 -- Nov 21, Woodmore elementary school bus crash, Brainerd ~Chattanooga, TN-- 5

²²⁹³ Cross-listed in Rail

²²⁹⁴ Cross-listed in Rail.

²²⁹⁵ Cross-listed in Truck subsection – bus of Trenton State College students at a red-light was rear-ended by truck.

²²⁹⁶ Cross-listed in Rail.

²²⁹⁷ Cross-listed in Rail.

ROAD / Highway Events -- Track Crossings & Vehicle Collisions Subset²²⁹⁸ -- By Mortality

1.	1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA	--	32
2.	1940 -- Mar 14, train hits farm worker truck at Highway 83 crossing, Alamo, TX	--	29
3.	1938 -- Dec 01, train hits Jordan High School bus at rail crossing, Midvale, UT	--	26
4.	1930 -- Apr 11, train hits Pickwick-Greyhound bus, near Isleta, NM	--	22
5.	1927 -- Oct 14, Interurban railcar hits truck-trailer with people, Indianapolis, IN	--	20-21
6.	1929 -- Jan 22, train hits Greyhound bus, snowstorm, near Bellevue, OH ²²⁹⁹	--	20
7.	1961 -- Dec 14, train and school bus collision, Auburn, CO	--	20
8.	1966 -- Feb 01, farm labor bus hit by train engine pulling caboose, south of Miami, FL	--	18
9.	1919 -- Nov 01, train hits "Auto Truck" at grade crossing, Clarksboro, NJ	--	14-16
10.	1942 -- Oct 28, train crashes into bus, Detroit, MI	--	16
11.	1900 -- Aug 12, train hits horse-drawn coach at grade crossing near Slatington, PA	--	13-15
12.	1911 -- Sep 24, train collides with hay wagon at rail crossing, Neenah, WI	--	15
13.	1916 -- Oct 01, freight train and street car (trolley) collide at crossing, Detroit, MI	--	10-14
14.	1935 -- Apr 12, school bus and train collision, Rockville, MD	--	14
15.	1960 -- Mar 01, train and oil tank truck collision, fire, Bakersfield, CA ²³⁰⁰	--	14
16.	1947 -- Feb 17, train crew bus-train collision, Michigan City, IN	--	13
17.	1966 -- Dec 28, train hits stalled oil tanker truck at rail crossing, fire, Everett, MA	--	13
18.	1956 -- Dec 16, car (inebriated driver), hits train at rail crossing, SW Phoenix, AZ	--	12
19.	1957 -- June 11, train hits farm worker truck at rail crossing, Vroman, CO	--	12
20.	1976 -- Feb 07, train hits camper-truck with children, grade crossing, Beckemeyer, IL	--	12
21.	1933 -- Dec 14, school bus hit, Atlantic Coast Line train, near Crescent City, FL	--	11
22.	1936 -- Jan 24, train hits car at crossing, all 11 members of family killed, Grabill, IN	--	11
23.	1936 -- Mar 28, bus and Central of Georgia train collide at crossing, Bryon, GA	--	11
24.	1955 -- Aug 22, school bus hit by train at rail crossing, Spring City, TN	--	11
25.	1962 -- Jan 31, train hits farm worker bus at crossing in dense fog, Mendota, CA	--	11
26.	1999 -- Mar 15, Amtrak train and truck collision at grade crossing, Bourbonnais, IL	--	11
27.	2005 -- Jan 26, train-crossing collision/derailment/auto collision, Glendale, CA	--	11
28.	1892 -- Jan 19, train hits Clover Fishing Club sleighing party, St Louis, MO	--	~10
29.	1927 -- Jan 22, Baylor Univ. basketball team bus hit by train, Round Rock, TX	--	10
30.	1930 -- Jan 22, train hits school bus at crossing, Berea, OH	--	10
31.	1937 -- Oct 22, school bus hit by Rock Island Line train <i>Rocket</i> , Mason City, IA	--	10
32.	1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN	--	10
33.	1959 -- Mar 18, station-wagon (Beavercreek Girl Scouts) hit by train, ~Xenia, OH	--	all 10
34.	1964 -- May 11, train hits station wagon with 8 children at crossing, near Mesa, AZ	--	10

Some Select Other Events with fewer than ten fatalities:

1936 -- July 18, train hits car with 9 occupants, crossing near Dundee, near Ann Arbor, MI	--	9
1955 -- Nov 18, truck drives into path of train at crossing near Newport, MI	--	9
1959 -- Dec 18, car tries to beat train across road at crossing, Fowlerville, MI	--	8

²²⁹⁸ These events are cross-listed in Rail.

²²⁹⁹ Cross-listed in Rail and winter Storms.

²³⁰⁰ Cross-listed in Hazardous Materials and in Rail.

Track-Crossings (continued):

1942 -- Feb 26, bus with airmen hit by train at RR crossing in snow storm near Enid, OK	--	7
1995 -- Oct 25, school bus stopped at road crossing hit by train, Fox River Grove, IL	--	7
1960 -- Dec 07, truck carrying bottled gas (4 killed) hit by train (2), near Nashua, NH	--	6
1972 -- Mar 24, high school bus fails to stop at crossing, hit by train, Congers, NY	--	5

ROAD & Highway Events--Track Crossings & Vehicle Collisions Subset²³⁰¹--Chronological

1. 1892 -- Jan 19, train hits Clover Fishing Club sleighing party, St Louis, MO* -- ~10
1893 -- Jan 18, sleighing party hit by train at grade crossing, Lonsdale, RI* -- 9
2. 1900 -- Aug 12, train hits "omnibus" at grade crossing near Slatington, PA* -- 15
3. 1911 -- Sep 24, train collision with hay wagon at crossing, Neenah, WI* -- 15
4. 1916 -- Oct 01, freight train and street car (trolley) crossing collision, Detroit, MI* --10-14
5. 1919 -- Nov 01, train hits "Auto Truck" at grade crossing, Clarksboro, NJ* --14-16
6. 1927 -- Jan 22, Baylor Univ. Basketball team bus hit by train, Round Rock, TX* -- 10
7. 1929 -- Jan 22, train hits Greyhound bus in snowstorm, near Bellevue, OH²³⁰² -- 20
8. 1930 -- Jan 22, train hits school bus, Berea, OH* -- 10
9. 1930 -- Apr 11, train hits Pickwick-Greyhound bus, near Isleta, NM* -- 22
10. 1933 -- Dec 14, school bus hit by Atlantic Coast Line train, near Crescent City, FL* -- 11
11. 1935 -- Apr 12, school bus and train collision, Rockville, MD* -- 14
12. 1936 -- Jan 24, train hits car at crossing, all 11 members of family killed, Grabill, IN* -- 11
13. 1936 -- Mar 28, grade crossing collision, bus and Central of Georgia train, Bryon, GA*-- 11
14. 1936 -- July 18, train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI-- 9
15. 1937 -- Oct 22, school bus hit by Rock Island Line train *Rocket*, Mason City, IA* -- 10
16. 1938 -- Dec 01, grade crossing collision, school bus and train, Midvale ~Salt Lake City*-- 24
17. 1942 -- Oct 28, train hits bus, Detroit, MI* -- 16
18. 1947 -- Feb 17, train crew bus and train collide, Michigan City, IN* -- 13
19. 1949 -- Apr 24, train hits family truck at railroad crossing, 8M south of Carthage, TN -- 10
20. 1955 -- Aug 22, school bus hit by train at grade crossing, Spring City, TN* -- 11
1955 -- Nov 18, truck drives into path of train at crossing near Newport, MI -- 9
21. 1956 -- Dec 16, car, inebriated driver, hits train at crossing, SW Phoenix, AZ -- 12
22. 1959 -- Mar 18, station-wagon (Beavercreek Girl Scouts) hit by train, ~Xenia, OH --all 10
1959 -- Dec 18, car tries to beat train across road at crossing, Fowlerville, MI -- 8
23. 1960 -- Mar 01, train and oil tank truck collision and fire, Bakersfield, CA²³⁰³ -- 14
24. 1961 -- Dec 14, train and school bus collision, Auburn, CO* -- 20
25. 1962 -- Jan 31, train hits farm worker bus at crossing in dense fog, Mendota, CA -- 11
26. 1963 -- Sep 17, train hits migrant worker truck-bus, grade-crossing, Chualar, CA²³⁰⁴ -- 32
27. 1964 -- May 11, train hits station wagon with 8 children at crossing, near Mesa, AZ* -- 10
28. 1966 -- Feb 01, farm labor bus hit by train engine pulling caboose, south of Miami, FL-- 18
29. 1966 -- Dec 28, train hits stalled oil tanker truck at RR crossing, Fire, Everett, MA* -- 13
- 1972 -- Mar 24, high school bus fails to stop at crossing, hit by train, Congers, NY -- 5
30. 1977 -- Oct 02, Amtrak train hits pickup truck at crossing, Plant City, FL* -- 10

²³⁰¹ If followed by an asterisk the event is cross-listed in Rail.

²³⁰² Cross-listed in Rail and winter Storms.

²³⁰³ Cross-listed in Hazardous Materials and in Rail.

²³⁰⁴ Cross-listed in Rail. This was a flatbed truck which had been converted into a bus-like vehicle.

- 1995 -- Oct 25, school bus stopped at RR crossing hit by train, Fox River Grove, IL* -- 7
31. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL* -- 11
32. 2005 -- Jan 26, train-crossing collision/derailment/auto collision, Glendale, CA* -- 11

ROAD/HWY Events Subset -- TRUCK/Tractor Trailer/Tanker-- By Mortality

1. 1950 -- May 25, Green Hornet trolley & gasoline tank truck collide, Chicago, IL²³⁰⁵ -- 34
2. 1963 -- May 18, farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL²³⁰⁶--27
3. 1957 -- June 06, tractor-trailer and laborer truck collide, burn, near Fayetteville, NC -- 21
4. 1989 -- Sep 21, truck and Mission School bus collide, drownings, Alton, TX -- 21
5. 1943 -- June 05, Army truck crashes through bridge over railroad near Nashville, TN -- 19
6. 1947 -- Aug 05, worker and gasoline trucks collide and burn, near Waxahachie, TX -- 19
7. 1972 -- Dec 26, semi-trailer hits church bus, US 60-84 bridge ~Fort Sumner, NM -- 19
8. 1959 -- June 08, farm labor truck and bus collide, fuel explosion/fire, near Phoenix, AZ-- 17
9. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
10. 1951 -- Aug 18, beer truck & car collide, truck/Greyhound bus collide ~Alpena, MI²³⁰⁷-11-14
11. 1957 -- June 13, Army truck skids into Piney Ford Creek, Ft. Campbell, KY -- 14
12. 1958 -- June 16, migrant farm worker truck fire (spilled gasoline) Soledad, CA -- 14
13. 1972 -- May 13, Greyhound Bus/freight truck collision, Bean Station, TN -- 14
14. 1994 -- July 03, tractor trailer rear-ends family van, Interstate 20, Weatherford, TX -- 14

15. 1963 -- June 10, brakes fail, truck with Boy Scouts goes off hill ~Hole-in-the-Rock, UT-- 13
16. 1966 -- Dec 28, train hits stalled oil tanker truck at RR crossing, Fire, Everett, MA²³⁰⁸-- 13
17. 1942 -- Oct 03, gasoline tanker and wagon/bus collision, near Lumberton, NC --11-12
18. 1959 -- Oct 09, semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ²³⁰⁹-12
19. 1943 -- Dec 14, war workers bus and tractor trailer collide, bus burns, ~Campbell, NY-- 11
20. 1959 -- June 2, tractor trailer hits stopped propane gas truck, fire, explos. ~Deer Lake, PA--11
21. 1965 -- Aug 28, Greyhound bus and timber truck collide, Vinton, LA -- 11
22. 1994 -- July 03, tractor trailer broadsides pickup truck near Snyder, west TX -- 11
23. 1997 -- July 29, dump truck hits pickup truck, Albion, Concord Township, MI -- 11
24. 1997 -- Nov 16, van and semi tractor-trailer collide in fog, Mendota, CA²³¹⁰ -- 11
25. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL²³¹¹ -- 11
26. 2010 -- Mar 26, tractor-trailer hits van, near Munfordville, KY -- 11
27. 1944 -- Nov 21, car and truck collide, butane gas tank truck explosion, Denison, TX²³¹²-- 10
28. 1949 -- Nov 10, cotton pickers truck & semi collide, U.S. Hwy. 80 near Gila Bend, AZ-- 10
29. 1953 -- Mar 20, family of 10 killed in truck and car collision, near Washington, NJ -- 10
30. 1982 -- Oct 08, tractor semitrailer collides head-on with church van near Lemoore, CA²³¹³-10
31. 1983 -- Dec 23, activity bus and semi tractor-trailer collide, near Devers, TX -- 10
32. 2000 -- Jan 23, multi-vehicle collision on icy road, fire, I-29 near Platte City, MO -- 10
33. 2004 -- Sep 20, tractor-trailer crosses median, hits pickup and SUV, ~Sherman, TX -- 10
34. 2009 -- June 26, tractor-trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK -- 10
35. 2014 -- Apr 11, FedEx truck hits high school charter bus, I-5 near Orland, CA -- 10

²³⁰⁵ Cross-listed in Rail.

²³⁰⁶ Cross-listed in Truck subset because a passing, sideswiping, pickup truck caused the bus to go into the canal.

²³⁰⁷ Cross-listed in auto and in bus subsets.

²³⁰⁸ Cross-listed in Rail.

²³⁰⁹ Cross-listed in Schoolbus subsection – bus of Trenton St. Col. students at a red-light was rear-ended by truck.

²³¹⁰ Cross-listed in Fog as a Contributing Factor.

²³¹¹ Cross-listed in Rail

²³¹² Cross-listed in Explosions and in Hazardous Materials.

²³¹³ Cross-listed in Van subset in that all ten fatalities were in the van struck by the truck.

ROAD/HWY Events Subset -- TRUCK/Tractor Trailer/Tanker-- By Mortality

Small sampling of fewer than ten deaths:

1940 -- Nov 07, automobile and gravel truck collide, all killed, Pipestone, MN	--	9
1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN ²³¹⁴	--	9
2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM	--	9
1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO ²³¹⁵	--	8
1977 -- Sep 24, gasoline tanker truck hits buildings/fire, KY Route 11, Beattyville, KY	--	7
1982 -- Apr 07, HazMat gasoline truck collision, Caldecott Tunnel, Oakland CA ²³¹⁶	--	7
1983 -- Jan 19, driver dozes, semi hits cars/fire, toll booth, CT Turnpike, Stratford, CT	--	7
2019 -- Jan 03, multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL ²³¹⁷	--	7
1961 -- Sep 24, one-ton stake-body truck (carrying 17) overturns/burns, Jacksonville, FL	--	6
1965 -- Feb 23, truck/1 and car/5 collide, burn, US 31 five miles so. of Decatur, AL	--	all 6
1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ	--	6
1976 -- May 11, HAZMAT (ammonia) truck hits I-610 ramp, falls onto Freeway, Houston, TX	--	6
2023 -- Nov 14, five-vehicle chain-reaction-crash when semi hits SUV, I-70, Etna Twp, OH	--	6

²³¹⁴ Cross-listed in Explosions and in Hazardous Materials Events.

²³¹⁵ Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.

²³¹⁶ Cross-listed in Hazardous Materials.

²³¹⁷ Though a family of five were killed in their vehicle, we list here because a tractor-trailer caused the collision.

Highway Accidents/Incidents Subset -- Truck/Tractor-Trailer/Tanker-- Chronological

- 1940 -- Nov 07, automobile and gravel truck collide, all killed, Pipestone, MN -- 9
1. 1942 -- Oct 03, gasoline tanker and wagon/bus collision, near Lumberton, NC --11-12
 2. 1943 -- June 05, Army truck crashes through bridge over railroad near Nashville, TN -- 19
 3. 1944 -- Nov 21, vapor explosion after butane gas truck and car collide, Denison TX²³¹⁸-- 10
 4. 1947 -- Aug 05, truck/vehicle collision/fire, Transport Co. of TX, Waxahachie, TX -- 19
 5. 1949 -- Nov 10, cotton pickers truck and semi collide, U.S. Hwy. 80 near Gila Bend, AZ-- 10
-
6. 1950 -- May 25, Green Hornet trolley & gasoline tank truck collide, Chicago, IL²³¹⁹ -- 34
 7. 1951 -- Aug 18, beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI²³²⁰ --11-14
 8. 1953 -- Mar 20, family of 10 killed in truck and car collision, near Washington, NJ -- 10
 9. 1957 -- June 06, tractor-trailer and laborer truck collide, burn, near Fayetteville, NC -- 21
 10. 1957 -- June 13, Army truck skids into Piney Ford Creek, Ft. Campbell, KY -- 14
 11. 1958 -- June 16, migrant farm worker truck fire (spilled gasoline) Soledad, CA -- 14
 12. 1959 -- June 2, tractor trailer hits stopped propane gas truck, fire, explos. ~Deer Lake, PA--11
 13. 1959 -- June 08, farm labor truck and bus collide, fuel explos./fire, near Phoenix, AZ -- 17
 14. 1959 -- Oct 09, semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ²³²¹--12
-
15. 1963 -- May 18, farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL²³²²--27
 16. 1963 -- June 10, brakes fail, truck with Boy Scouts goes off hill ~Hole-in-the-Rock, UT-- 13
 - 1965 -- Feb 23, truck/1 and car/5 collide, burn, US 31 five miles so. of Decatur, AL -- all 6
 17. 1965 -- Aug 28, Greyhound bus & timber truck collide, Vinton, LA -- 11
 18. 1966 -- Dec 28, train hits stalled oil tanker truck at RR crossing, Fire, Everett, MA²³²³-- 13
 - 1969 -- Nov 29, multiple vehicles collide in fog, fires, NJ Turnpike no. of Swedesboro, NJ--6
-
19. 1972 -- May 13, Greyhound bus/freight truck collision, Bean Station, TN -- 14
 20. 1972 -- Dec 26, semi-trailer hits church bus, US 60-84 bridge near Fort Sumner, NM -- 19
 21. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
 - 1977 -- Sep 24, gasoline tanker truck hits buildings/fire, KY Route 11, Beattyville, KY-- 7
-
- 1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO²³²⁴-8
 - 1982 -- Apr 07, HazMat gasoline truck collision, Caldecott Tunnel, Oakland, CA²³²⁵ -- 7
 22. 1982 -- Oct 08, tractor semitrailer collides head-on with church van near Lemoore, CA²³²⁶-10
 - 1983 -- Jan 19, driver dozes, semi hits cars/fire, toll booth, CT Turnpike, Stratford, CT-- 7
 23. 1983 -- Dec 23, activity bus and semitrailer collide, near Devers, TX -- 10
 - 1988 -- Dec 23, propane tanker hits wall explodes; parts hit house, cars, Memphis TN²³²⁷-- 9

²³¹⁸ Cross-listed in Explosions and in Hazardous Materials.

²³¹⁹ Cross-listed in Rail.

²³²⁰ Cross-listed in auto and in bus subsets.

²³²¹ Cross-listed in Schoolbus subsection – bus of Trenton St. Col. students at a red-light was rear-ended by truck.

²³²² Cross-listed in Truck subset because a passing, sideswiping, pickup truck caused the bus to go into the canal.

²³²³ Cross-listed in Rail.

²³²⁴ Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.

²³²⁵ Cross-listed in Hazardous Materials.

²³²⁶ Cross-listed in Van subset in that all ten fatalities were in the van struck by the truck.

²³²⁷ Cross-listed in Explosions and in Hazardous Materials Events.

24. 1989 -- Sep 21, truck and Mission School bus collision and drownings, Alton, TX -- 21

Highway Accidents/Incidents Subset -- Truck/Tractor-Trailer/Tanker-- Chronological

25. 1997 -- July 29, dump truck hits pickup truck, Albion, Concord Township, MI -- 11

26. 1997 -- Nov 16, highway collision in fog, van and semi, Mendota, CA²³²⁸ -- 11

27. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL²³²⁹ -- 11

28. 2010 -- Mar 26, highway crash, tractor-trailer hits van, near Munfordville, KY -- 11

29. 2014 -- Apr 11, FedEx truck hits high school charter bus, I-5 near Orland, CA -- 10

2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM-- 9

2019 -- Jan 03, multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL²³³⁰-- 7

2023 -- Nov 14, five-vehicle chain-reaction-crash when semi hits SUV, I-70, Etna Twp, OH--6

²³²⁸ Cross-listed in Fog as a Contributing Factor.

²³²⁹ Cross-listed in Rail

²³³⁰ Though a family of five were killed in their vehicle, we list here because a tractor-trailer caused the collision.

Disease – **SCURVY** (severe vitamin C {ascorbic acid} deficiency) -- By **Mortality**

1.	1849-50 -- scurvy, California Gold Rush immigrants	~10,000
2.	1864 -- Feb-April 1865, scurvy, Union POW's, Camp Sumter, Andersonville, GA	--3,614
3.	1861 -- May 1-June 30, 1865, scurvy, white Union troops (non-POWs)	-- 383
4.	1820 -- Jan-March (mostly), scurvy, Cantonment Missouri (Army), Council Bluff, NE	-- 190
5.	1863 -- Sep-June 1865 (20 months), scurvy, Confederate POWs, Point Lookout, MD	-- 167
6.	1863 -- Aug-June 1865 (23 months), scurvy, Confederate POWs, Fort Delaware, DE	-- 94
7.	1925 -- scurvy, 24 States, especially PA/7, NY/6, VA/6, MI/5, AL/4 and MD/4	-- 58
8.	1850 -- scurvy, especially MO/18, NM Territory/5, OH/5, LA/NY/VA/4 each, IA/3	-- 54
9.	1862 -- Feb-June 1865 (41 months), scurvy, Confederate POWs, Camp Douglas, IL	-- 39
10.	1950 -- scurvy/ascorbic acid deficiency code 282, International Lists 6th Rev., 1948	-- 27
11.	1947 -- scurvy (ascorbic acid deficiency), International Lists code 67	-- 22
12.	1946 -- scurvy (ascorbic acid deficiency), International Lists code 67	-- 21
13.	1917 -- scurvy, New York City (15) and elsewhere state of NY (4)	-- 19
14.	1952 -- scurvy/ascorbic acid deficiency, International Lists 6th Rev., 1948, code 282	-- 18
15.	1954 -- scurvy, code 282, International Lists Sixth Revision, 1948	-- 14
16.	1948 -- scurvy, 1948 ICD code 67	-- 12
	1978 -- scurvy/ascorbic acid deficiency, AL, GA, IN, MD, WV, 1 each; KY, VA, 2 each--	9
	1982 -- scurvy/ascorbic acid deficiency, IN, KY, MD, MA, OH, TX (1 death each)	-- 6
	1976 -- scurvy/ascorbic acid deficiency, DC (1), GA (1) MO (1), WV (2)	-- 5
	1970 -- scurvy/ascorbic acid deficiency, FL (1), KS (1), MI (1)	-- 3
	1977 -- scurvy/ascorbic acid deficiency, MD, NY, PA, 1 each	-- 3
	1972 -- scurvy/ascorbic acid deficiency, CO (2)	-- 2
	1975 -- scurvy/ascorbic acid deficiency, GA (2)	-- 2
	1971 -- scurvy/ascorbic acid deficiency	-- 0
	1973 -- scurvy/ascorbic acid deficiency	-- 0
	1974 -- scurvy/ascorbic acid deficiency	-- 0

Disease -- **SCURVY** (severe vitamin C {ascorbic acid} deficiency) -- **Chronological**

1. 1820 -- Jan-March (mostly), scurvy, Cantonment Missouri (Army), Council Bluff, NE -- 190
2. 1849-50 -- scurvy, California Gold Rush Immigrants ~10,000
3. 1850 -- scurvy, especially MO/18, NM Territory/5, OH/5, LA/NY/VA/4 each, IA/3 -- 54
4. 1861 -- May 1-June 30, 1865, scurvy, white Union troops (non-POWs) -- 383
5. 1862 -- Feb-June 1865 (41 months), scurvy, Confederate POWs, Camp Douglas, IL -- 39
6. 1863 -- Aug-June 1865 (23 months), scurvy, Confederate POWs, Fort Delaware, DE -- 94
7. 1863 -- Sep-June 1865 (20 months), scurvy, Confederate POWs, Point Lookout, MD -- 167
8. 1864 -- Feb-April 1865, scurvy, Union POW's, Camp Sumter, Andersonville, GA --3,614
9. 1917 -- scurvy, New York City (15) and elsewhere state of NY (4) -- 19
10. 1925 -- scurvy, 24 States, especially PA/7, NY/6, VA/6, MI/5, AL/4 and MD/4 -- 58
11. 1946 -- scurvy (ascorbic acid deficiency), International Lists code 67 -- 21
12. 1947 -- scurvy (ascorbic acid deficiency), International Lists code 67 -- 22
13. 1948 -- scurvy, 1948 ICD code 67 -- 12
14. 1950 -- scurvy/ascorbic acid deficiency code 282, International Lists 6th Rev., 1948 -- 27
15. 1952 -- scurvy/ascorbic acid deficiency, International Lists 6th revision, 1948, code 282-- 18
16. 1954 -- scurvy/ascorbic acid deficiency, code 282, International Lists 6th Rev., 1948 -- 14
- 1970 -- scurvy/ascorbic acid deficiency, FL (1), KS (1), MI (1) -- 3
- 1971 -- scurvy/ascorbic acid deficiency -- 0
- 1972 -- scurvy/ascorbic acid deficiency, CO (2) -- 2
- 1973 -- scurvy/ascorbic acid deficiency -- 0
- 1974 -- scurvy/ascorbic acid deficiency -- 0
- 1975 -- scurvy/ascorbic acid deficiency, GA (2) -- 2
- 1976 -- scurvy/ascorbic acid deficiency, DC (1), GA (1) MO (1), WV (2) -- 5
- 1977 -- scurvy/ascorbic acid deficiency, MD, NY, PA, 1 each -- 3
- 1978 -- scurvy/ascorbic acid deficiency, AL, GA, IN, MD, WV, 1 each; KY, VA, 2 each-- 9
- 1982 -- scurvy/ascorbic acid deficiency, IN, KY, MD, MA, OH, TX (1 death each) -- 6

SOUTHEASTER NORTHERN PACIFIC (ALASKA) STORM

1. 1900 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome, AK²³³¹ >100

²³³¹ This was a hurricane-like southeaster gale which produced a storm surge into Nome, Alaska and high waves that destroyed buildings along the waterfront. While we have seen reference to 18-19 specific deaths at Nome, mostly drowning, we are cross-listing in Maritime in that over 100 Natives were reported to have drowned trying to cross from Kings Island to the mainland in umiaks.

STARVATION (includes Hunger, Thirst and Exposure codes 189 & E933) – By Mortality

1. 1918 -- 1919, late fall-early spring, influenza, starvation, freezing, Natives ²³³²	--	≥1,500
2. 1668 -- famine and starvation, Las Humanas and other Pueblos, current-day NM	--	~450
3. 1609-10 -- hard winter, starvation, disease, attack, Jamestown Colony, VA ²³³³	--	>400-440
4. 1951 -- hunger, thirst, and exposure (International Lists code E933, 6 th Rev., 1948)	--	385
5. 1957 -- hunger, thirst, and exposure (Int. Lists code E933, 6 th Revision, 1948)	--	333
6. 1956 -- hunger, thirst, exposure (International List code E933, 6 th Revision, 1948)	--	308
7. 1952 -- hunger, thirst, and exposure (International Lists code E933, 6 th Revision, 1948)	--	297
8. 1955 -- hunger, thirst and exposure (US Public Health Service code E933)	--	273
9. 1954 -- hunger, thirst, and exposure (International List code E933, 6 th Rev., 1948)	--	238
10. 1953 -- hunger, thirst, and exposure (International List code E933, 6 th Rev., 1948)	--	336
11. 1607 -- July-Dec, disease and famine/starvation, Jamestown Colony, VA ²³³⁴	--	66
12. 1847 -- Feb, Donner Party tragedy, winter storms, snow, starvation, Donner Lake, CA	--	43
13. 1948 -- hunger or thirst, 1948 ICD code 189	--	35
14. 1946 -- hunger or thirst, International List code 189	--	27
15. 1947 -- hunger or thirst, International List code 189	--	26
16. 1871 -- Jul 3, Cal. brig <i>Shelehoff</i> disabled Pacific Ocean storm, starvation, found Oct 19 ²³³⁵	--	11

²³³² Cross-listed in Disease.

²³³³ Sources utilized do not breakout causes of death, but do give impression that starvation was substantial. In that we do not know how many deaths from were attributable to starvation, we cross-list here and in disease.

²³³⁴ Cross-listed in Disease. The sources utilized do not breakout starvation/famine from disease deaths.

²³³⁵ Cross-listed in Maritime.

STARVATION (includes Hunger, Thirst and Exposure codes 189 & E933)-- **Chronological**

1. 1607 -- July-Dec, disease and famine/starvation, Jamestown Colony, VA²³³⁶ -- 66
2. 1609-10 -- hard winter, starvation, disease, attack, Jamestown Colony, VA²³³⁷ >400-440
3. 1668 -- famine and starvation, Las Humanas and other Pueblos, current-day NM -- ~450
4. 1847 -- Feb, Donner Party tragedy, winter storms, snow, starvation, Donner Lake, CA-- 43
5. 1871 -- Jul 3, Cal. Brig *Shelehoff* disabled Pacific Ocean storm, starvation, found Oct 19²³³⁸-11
6. 1918 -- late fall to early spring of 1919, influenza, starvation, freezing, Natives²³³⁹ -->1,500

7. 1946 -- hunger or thirst, International List code 189 -- 27
8. 1947 -- hunger or thirst, International List code 189 -- 26
9. 1948 -- hunger or thirst, 1948 ICD code 189 -- 35
10. 1951 -- hunger, thirst, and exposure (International Lists code E933, 6th Rev., 1948) -- 385
11. 1952 -- hunger, thirst, and exposure (International Lists code E933, 6th Revision, 1948)-- 297
12. 1953 -- hunger, thirst, and exposure (International List code E933, 6th Rev., 1948) -- 336
13. 1954 -- hunger, thirst, and exposure (International List code E933, 6th Rev., 1948) -- 238
14. 1955 -- hunger, thirst and exposure (US Public Health Service code E933) -- 273
15. 1956 -- hunger, thirst, exposure (International List code E933, 6th Revision, 1948) -- 308
16. 1957 -- hunger, thirst, and exposure (Int. Lists code E933, 6th Revision, 1948) -- 333

²³³⁶ Cross-listed in Disease. The sources utilized do not breakout starvation/famine from disease deaths.

²³³⁷ Sources utilized do not breakout causes of death, but do give impression that starvation was substantial. In that we do not know how many deaths were attributable to starvation, we cross-list in disease.

²³³⁸ Cross-listed in Maritime.

²³³⁹ Cross-listed in Disease.

STRUCTURAL FAILURE -- Master List -- By MORTALITY

1. 1889 -- May 31, South Fork **dam failure**/flood, Johnstown, PA (in Flooding) --2,209-3,188
2. 2005 -- Aug 29, **levee failure** due to Hurricane Katrina, New Orleans, LA --1,253
3. 1927 -- Late March-July, flooding, **levee breaks** upper and esp. lower MS River²³⁴⁰-246-500
4. 1928 -- Mar 12-13, **St. Francis Dam Failure**/flood, Santa Clara Riv. valley, CA²³⁴¹-370-431
5. 1892 -- June 05, **dam failure**, oil fire, Titusville, Oil City, PA (in Fire and Flooding) -- 350
6. 1972 -- Jun 09, **Pactola Dam Failure**, Black Hills flash flood, Rapid City, SD²³⁴² --236-238
7. 1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA²³⁴³ --90-145
8. 1874 -- May 16, **Mill River Reservoir Dam fails**, 4 villages, esp. Williamsburg MA-- 138-139
9. 1912 -- late Mar-May, flooding/**levee failures**/boats capsized, esp. MS River, esp. LA, MS-- ~200
10. 1927 -- Nov 2-4, New England flooding, **Sharon Dam fails**, Winooski River, VT²³⁴⁴ -- 200

11. 1913 -- Dec 2-10, Flooding/**Levee Failures**, Brazos, Other Valleys, Cent., East, Coast TX²³⁴⁵--177-190
12. 1862 -- June 4/5, Great Flood of '62, Flooding & **Dam Failures**, Lehigh River, PA²³⁴⁶--~150
13. 1911 -- Sep 30, **Bayliss Dam Failure**, Freeman Run Valley, Austin, PA (in Flooding)--78-149
14. 1972 -- Feb 26, Impoundment **Dam Failure**, Buffalo Creek, WV (also in Flooding) -- 125
15. 1850 -- Sep 2, Rain/Flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge²³⁴⁷100-120
16. 1921 -- Jun 02, Arkansas River **Levee failures**, Pueblo County, CO (also in Flooding)-- 120
17. 1904 -- Aug 07, bridge/trestle fails under train, Near Pueblo, CO (also in Rail) -- 116
18. 1981 -- July 17, Hyatt Regency **Walkway Collapse**, Kansas City, MO -- 114
19. 1876 -- Dec 29, **Bridge Collapse under train**, fire, Ashtabula, OH (also in Rail) --92-100
20. 1890 -- Feb 22, **Dam Failure**, Walnut Grove, AZ (cross-listed in Flooding) -- 100
21. 1922 -- Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC²³⁴⁸ -- 98
22. 2021 -- June 24, Champlain Towers South condo structural failure/collapse, Surfside, FL--97
23. 1887 -- Aug 10, Fire, Trestle Failure, Train Wreck, near Chatsworth, IL (also in Rail) --79-85
24. 1977 -- July 20, **Dam Failures**, Flash Floods, Johnstown & Tanneryville, PA²³⁴⁹ -- ~85
25. 1955 -- Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA²³⁵⁰ -- 76
26. 1883 -- July 23, Pier Fails, North Point, Tivoli Park, Baltimore, MD --63-70
27. 1891 -- Aug 22, Building Collapse/Fire, Taylor Bldg., Park Place, New York, NY --60-61
28. 1870 -- Apr 29, Court House Gallery Collapse, Richmond, VA -- ~60
29. 1916 -- Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure, CA²³⁵¹ --22-60
30. 1873 -- May 04, Truesdell Bridge collapse, pedestrians fall, Rock River, Dixon, IL -- 56
31. 1978 -- Apr 27, Scaffold Collapses, Monongahela Power Co., Willow Island, WV -- 51
32. 1965 -- Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA²³⁵² -- ~50

²³⁴⁰ Cross-listed in Flooding.

²³⁴¹ Cross-listed in Flooding.

²³⁴² Cross-listed in Flooding.

²³⁴³ Cross-listed in Fire – while the vast majority died in the collapse, at least 14 trapped died when the fire started.

²³⁴⁴ Cross-listed in Flooding; some of the flooding fatalities were attributable to the Sharon Dam failure.

²³⁴⁵ Cross-listed in Flooding.

²³⁴⁶ Cross-listed in Flooding.

²³⁴⁷ Cross-listed in Flooding. Noted here in that most of the fatalities were of people in structures which failed.

²³⁴⁸ Cross-listed in winter Storms.

²³⁴⁹ Cross-listed in Flooding.

²³⁵⁰ Cross-listed in Flooding.

²³⁵¹ Cross-listed in Flooding.

STRUCTURAL FAILURE -- Master List -- By MORTALITY -- (continued)

33. 1913 -- May 24, auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach, CA --40-47
34. 1938 -- June 19, flash flood, bridge fails, train crash, Miles City, MT (in Flooding) -- 47
35. 1967 -- Dec 15, Silver Bridge collapse, OH River, Point Pleasant WV & Gallipolis, OH-- 46
36. 1925 -- July 04, 2nd floor collapse into basement, Pickwick Dance Club, Boston, MA --44-45
37. 1876 -- July 04, storm, flash flood, dam failure, Rockdale, IA (Flood cross-listed) --41-42
38. 1859 -- June 28, Springbrook Bridge fails under train, Mishawaka, IN (also in Rail) -- 41
39. 1912 -- June 23, pier/dock collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
40. 1918 -- June 29, structural failure, Ruff Building, Sioux City, IA -- 39
41. 1977 -- Nov 06, heavy rain, Kelly Barnes Dam failure, Toccoa falls Bible College, GA-- 39
42. 1916 -- Aug 02-3, cloudburst, Mill Dam fails, flash flood, near New Tazewell, TN²³⁵³ --27-38
43. 1887 -- Mar 14, Busey Bridge collapses under train, Roslindale, near Boston, MA²³⁵⁴ -- 37
44. 1900 -- June 23, cloudburst, trestle washout/train wreck and fire, ~McDonough GA²³⁵⁵-23-37
45. 1946 -- Dec 12, fire, vacant Knickerbocker Ice Plant, wall falls onto Tenement, NYC²³⁵⁶-- 37
46. 1980 -- May 9, *Summit Venture* hits Sunshine Skyway Bridge, collapse, Tampa FL²³⁵⁷-- 35
47. 1898 -- Apr 03, levee fails, flash flood, Shawneetown, IL (Flooding cross-listed) --25-33
48. 1855 -- Nov 01, bridge failure under excursion train, Gasconade, MO (also in Rail) --20-31
49. 1892 -- June 15, bridge under construction over Licking Riv. collapses, Covington KY--27-31
50. 1923 -- Sep 27, bridge washout and train derailment, near Lockett, WY -- 31
51. 1987 -- Apr 23, L' Ambiance Plaza Apartments construction collapse, Bridgeport, CT -- 28
52. 1888 -- Mar 17, trestle collapse, West India Mail Train wrecks, Blackshear, GA²³⁵⁸ --25-27
53. 1900 -- Apr 07, heavy rain, Austin (McDonald) Dam failure & flooding, Austin, TX²³⁵⁹-- ≥24
54. 1921 -- Sep 10, Third Street foot-bridge collapses, Chester River, Chester, PA -- 24
55. 1903 -- July 05, cloudburst, dam failure, flood, Oakford Park (near Pittsburgh), PA --20-23
56. 1893 -- June 09, building collapse, Ford's Theater, Washington, DC -- 22
57. 1840 -- Aug 22, State Street Canal Basin Drawbridge fails, Albany, NY -- 21
58. 1880 -- July 21, tunnel failure (blowout), Hudson & Manhattan (Hudson River), NY -- 21
59. 1893 -- Dec 15, crane/span fall, bridge construction, Louisville, KY/Jeffersonville, IN-- 21
60. 1919 -- Jan 15, molasses tank collapse, US Industrial Alcohol Co., Boston, MA -- 21
61. 1855 -- Nov 01, bridge failure under excursion train from St. Louis, MO (also in Rail)-- 20
62. 1856 -- July 01, wharf fails, Reed Street, Delaware River, Philadelphia, PA --10-20
63. 1899 -- Aug 06, gangplank fails, drowning, Mount Desert Ferry near Bar Harbor, ME -- 20
64. 1900 -- Nov 29, roof collapse, San Francisco Pacific Glass Works, San Francisco, CA-- 20
65. 1908 -- Aug 25, bridge fails with pedestrians watching flood water, Camden, SC²³⁶⁰ -- 19

²³⁵² Guestimate on our part. There were 81-87 fatalities in LA; on the order of 50, if not more, in New Orleans from drowning. Most of the drownings took place due to the very rapid rise of water when nearby levees breached.

²³⁵³ Cross-listed in Flooding.

²³⁵⁴ Cross-listed in Rail.

²³⁵⁵ Cross-listed in Rail and Flooding.

²³⁵⁶ Cross-listed in Fire, Structural. Fire was in the next-door ice plant. Roof of the ice plant collapsed due to the stress of fire-fighting operations, and caused a two-foot thick brick wall to fall onto and crush the tenement.

²³⁵⁷ Cross-listed in Maritime and in Road/Highway.

²³⁵⁸ Cross listed in Rail.

²³⁵⁹ Cross-listed in Flooding.

²³⁶⁰ Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.

66. 1924 -- Dec 24, Mathieson Alkali Works “muck” dam fails, Palmertown/Saltville, VA-- 19
 67. 1937 -- Aug 11, heavy rain, 3 tenement bldgs. collapse, New Brighton, S.I., NY²³⁶¹ -- 19

STRUCTURAL FAILURE – Master List -- By MORTALITY -- (continued)

68. 1840 -- Apr 13, downpour, flooding, dams fail, esp. Pocasset Riv. Simmonsville, RI²³⁶²-- 18
 69. 1864 -- July 20, structural collapse, Blockley Almshouse and Insane Asylum, Philly --16-18
 70. 1906 -- Dec 04, heavy rain, Detroit Dam fails, flooding, Clifton, AZ (also Flooding) --13-18
 71. 1922 -- Sep 11, truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²³⁶³--18
 72. 1895 -- Aug 13, Ireland Building collapse (under construction), New York, NY -- 17
 73. 1883 -- Feb 20, school fire evacuation, railing breaks, falls & suffocations, NYC --15-16
 74. 1901 -- June 26, trestle fails under train, weakened by recent rain, near Peru, IN²³⁶⁴ -- 16
 75. 1941 -- Dec 04, Charter Oak Bridge collapse (under construction), Hartford, CT -- 16
 76. 1948 -- May 22-June 11, flooding/dike failures, Pacific NW, esp. Vanport, OR -- ≥15
77. 1871 -- July 03, bridge fails under train, Harpeth River, near Nashville, TN²³⁶⁵ -- 15
 78. 1872 -- Dec 25, Memorial Bap. Church XMAS Svc. floor collapse, Newberry, PA --13-15
 79. 1876 -- Mar 06, bridge fails under train, Valley Div., B&O, Shenandoah Co., VA²³⁶⁶ -- 15
 80. 1883 -- Apr 07, Ende Hotel structural failure and fire, Greenville, TX (also in Fire) --13-15
 81. 1885 -- May 05, factory building collapse, State and Hicks Streets, Brooklyn, NY -- 15
 82. 1889 -- July 09, storm, flooding, stone bridge failure, Johnstown, NY (also Flooding) -- 6-15
 83. 1898 -- Nov 05, building collapse, Wonderland Theater, Detroit, MI -- 15
 84. 1994 -- July 4-10, Tropical Storm Alberto flooding, dam failures, Americus, GA²³⁶⁷ -- ≥15
85. 1874 -- June 23, floor failure during festival, Central Baptist Church, Syracuse, NY -- 14
 86. 1890 -- Jan 9, Bridge Caisson No. 1, floods, Ohio River, near Jeffersonville, IN -- 14
 87. 1973 -- Mar 02, Skyline Plaza Apt. bldg. construction failure, Baileys Crossroads, VA-- 14
 88. 1986 -- Feb 11-24, heavy rain, flooding, levee failures, Northern CA, NV²³⁶⁸ -- 14
 89. 1988 -- July 7, La Tienda Amigo Dept. Store collapse, heavy rain, Brownsville, TX -- 14
 90. 2002 -- May 26, barge hits bridge, span collapse, Webbers falls, OK²³⁶⁹ -- 14
91. 1860 -- Mar 01, building wall failure, St. Francis Xavier Church, Cincinnati, OH -- 13
 92. 1866 -- Sep 14, rail bridge collapse, pedestrians fall, Johnstown, PA -- 13
 93. 1869 -- Jan 31, dam failures and flood, Upper/Lower Kohanza/Flint, Danbury, CT²³⁷⁰ --11-13
 94. 1878 -- Jan 15, Conn. Western train falls into river when bridge fails, Tariffville, CT -- 13
 95. 1893 -- Aug 31, bridge fails, train wreck, near Chester, MA (cross-listed in Rail) -- 13

²³⁶¹ Cross-listed in Flooding.

²³⁶² Cross-listed in Flooding.

²³⁶³ Cross-listed in Road and Highway.

²³⁶⁴ Cross-listed in Rail

²³⁶⁵ Cross-listed in Rail.

²³⁶⁶ Cross-listed under Rail.

²³⁶⁷ Cross-listed in Flooding and in Hurricanes/Tropical Storms. There were 34-37 total deaths. At least 15 of these were attributable to flash flooding in Americus, GA after the failure of a series of earthen dams in the area.

²³⁶⁸ Cross-listed in Flooding.

²³⁶⁹ Cross-listed in Maritime. More of a knock-down than a failure.

²³⁷⁰ Cross-listed in Flooding.

STRUCTURAL FAILURE – Master List – By MORTALITY – (continued):

96. 1905 -- Aug 08, John G. Myers Dry Goods Store collapse, Pearl Street, Albany, NY -- 13
97. 1911 -- Mar 15, structural collapse, J.H. Fall & Co. Bldg., 3rd Ave., Nashville, TN -- 13
98. 1982 -- Apr 15, construction failure, Indiana Highway Ramp, East Chicago, IL -- 13
99. 2003 -- June 29, apartment building balcony collapse, Lincoln Park, Chicago, IL -- 13
100. 2007 -- Aug 01, Interstate 35W Bridge collapse, Minneapolis, MN -- 13
101. 1865 -- Feb 4-5, bridge fails, train falls into Lee's Creek, burns, ~Leesburg, OH²³⁷¹ --11-12
102. 1874 -- Feb 13, 3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA -- 8-12
103. 1876 -- Feb 05, Gallery Fails, Robinson's Opera House, Cincinnati, OH -- 12
104. 1903 -- Aug 08, Bleacher Collapses, National Baseball Park, Philadelphia, PA -- 12
105. 1906 -- July 23, Collapse, Amsden Building, South Framingham, MA -- ~12
106. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho²³⁷² 11-12
107. 1999 -- Nov 17/18, Texas A&M Bonfire Stack collapse, College Station, TX -- 12
108. 2000 -- Aug 19, El Paso Natural Gas Pipeline rupture and fire, Carlsbad, NM²³⁷³ -- 12
109. 1868 -- July 4, drawbridge/plank to boat at wharf gives way, drownings, Oakland CA--≥11
110. 1873 -- Apr 19, Washed-out bridge, train derails, Richmond Switch, RI (also in Rail)-- 11
111. 1896 -- Feb 6, Train Bridge Failure (repairmen die), Pequabuck Riv., East Bristol, CT²³⁷⁴-- 11
112. 1901 -- July 11, Nickel Plate RR Bridge Collapse, Train Crash, Springfield, PA²³⁷⁵ -- 11
113. 1905 -- Feb 27, Floor Collapse/Fire Scare/Trampling, Church Service, Brooklyn, NY²³⁷⁶-11
114. 1913 -- Late April, flooding from Ohio and Mississippi River flooding, levee break²³⁷⁷-- 11
115. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA-11
116. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS²³⁷⁸ -- 11
117. 1933 -- Aug 29, Storm, bridge weakened, train wreck, Tucumcari, NM (also in Rail)-- 11
118. 1981 -- March 27, Construction Failure, Harbour Cay Condominium, Cocoa Beach, FL--11
119. 1832 -- May 4, Phelps & Peck building collapse, Cliff & Fulton Streets, NYC -- 10
120. 1835 -- May 14, Collapse, Planters' Hotel, New Orleans, LA -- ≥10
121. 1867 -- Sep 05, Branch River Bridge fails, Naugatuck train fall ~Thomaston CT²³⁷⁹ -- 10
122. 1877 -- May 11, Unfinished Court-House walls fail, killing workers, Rockford, IL -- 10
123. 1888 -- July 12, Fat Nancy Trestle failure, train wreck ~Orange Court House VA²³⁸⁰-- 9-10
124. 1890 -- Feb 2, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR²³⁸¹ -- 9-10
125. 1903 -- Oct 19, ropes break, Wabash Railroad Bridge construction, Pittsburgh, PA -- 10

²³⁷¹ Cross-listed in Rail.

²³⁷² Cross-listed in Flooding.

²³⁷³ Cross-listed in Explosions and in Fires-Structural.

²³⁷⁴ Cross-listed in Rail.

²³⁷⁵ Cross-listed in Rail

²³⁷⁶ Cross-listed in Violence – Crushing, Trampling, Suffocation

²³⁷⁷ There were many levee failures in this large-area rain storms event Mar 23-27, especially in Ohio River Valley.

There were failures down the Ohio River and then down the Mississippi River. See 1913 March Flood file.

²³⁷⁸ Cross-listed in Rail as well as Flash Flooding.

²³⁷⁹ Cross-listed in Rail.

²³⁸⁰ Cross-listed in Rail.

²³⁸¹ Cross-listed in Flooding and in Rail.

126. 1906 -- Mar 26, bridge fails under train, drownings, near Natrona, WY²³⁸² -- 10

STRUCTURAL FAILURE -- Master List -- By MORTALITY -- (continued):

127. 1906 -- Nov 9, Building Collapse, Bixby Hotel, Long Beach, CA -- 10
128. 1911 -- June 30, Collapse of Pumping Station Roof, Buffalo, NY -- 9-10
129. 1916 -- May 15, dynamite blast, adjacent site Crystal restrnt. collapses, Akron OH ²³⁸³-9-10
130. 1923 -- Mar 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT -- 10
131. 1929 -- July 18, Flash Flood, Bridge Fails, Train Wreck, Stratton, CO²³⁸⁴ -- 10
132. 1937 -- Feb 17, Construction scaffolding collapse, Golden Gate Bridge, San Fran., CA-- 10
133. 1956 -- Oct 03, Building collapse (under const.), Consumers Power Co., Jackson, MI-- 10
134. 1972 -- Nov 07, Sidney Lanier Bridge Span Collapse, Freighter Hit, Brunswick GA -- 10
135. 1987 -- Apr 05, bridge collapse, Schoharie Crk., NY State Thruway, Amsterdam NY²³⁸⁵--10

Sampling of a few structural failures leading to fewer than ten fatalities:

1891 -- Dec 04, wall falls on workers, previously burned Shepard bldg., St. Paul, MN -- 9
1904 -- Sep 23, School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH -- 9

1989 -- Apr 01, Hatchie River Bridge Collapse, near Covington, TN -- 8

1886 -- Apr 20, Rain, Mud Pond Reservoir Dam/Mt. Lake Fails/Flood, East Lee, MA -- 7
1978 -- Oct 06, temporary cofferdam construction failure, Lake Keowee near Seneca, SC -- 7

1979 -- Aug 13, construction failure/roof collapse, Rosemont Horizon Arena, Chicago, IL-- 5

1971 -- Jan 25, construction failure, 16-story apartment building, Boston, MA -- 4

1983 -- June 28, eastbound Mianus River bridge span collapse, I-95, Greenwich, CT -- 3

²³⁸² Cross-listed in Rail and in Flood.

²³⁸³ Cross-listed in Explosions. Construction site dynamite blast caused ill-constructed bldg.. next-door to collapse.

²³⁸⁴ Cross-listed in Flooding and under Rail.

²³⁸⁵ Cross-listed in Flooding.

STRUCTURAL FAILURES – Master List – CHRONOLOGICAL

1. 1832 -- May 04, building collapse, Phelps & Peck, Cliff & Fulton Streets, NYC -- 10
2. 1835 -- May 14, Collapse, Planters' Hotel, New Orleans, LA -- ≥10
3. 1840 -- Apr 13, Downpour, Flooding, Dams Fail, esp. Pocasset Riv. Simmonsville, RI²³⁸⁶ 18
4. 1840 -- Aug 22, State Street Canal Basin Drawbridge Fails, Albany, NY -- 21
5. 1850 -- Sep 2, Rain/Flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge²³⁸⁷ 100-120
6. 1855 -- Nov 01, Bridge Failure Under Excursion Train, Gasconade, MO (also Rail) --20-31
7. 1856 -- July 01, Wharf Fails, Reed Street, Delaware River, Philadelphia, PA --10-20
8. 1859 -- June 28, Springbrook Bridge Fails under Train, Mishawaka, IN (also Rail) -- 41
9. 1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA²³⁸⁸ --90-145
10. 1860 -- Mar 01, building wall failure, St. Francis Xavier Church, Cincinnati, OH -- 13
11. 1862 -- June 04/05, Great Flood of '62, flooding & dam failures, Lehigh River, PA²³⁸⁹--~150
12. 1864 -- July 20, structural collapse, Blockley Almshouse and Insane Asylum, Philly --16-18
13. 1865 -- Feb 04-05, bridge fails, train falls into Lee's Creek, burns, ~Leesburg, OH²³⁹⁰ --11-12
14. 1866 -- Sep 14, bridge collapse, Johnstown, PA -- 13
15. 1867 -- Sep 05, Branch River Bridge fails, Naugatuck train fall near Thomaston, CT²³⁹¹-- 10
16. 1868 -- July 04, drawbridge/plank to boat at wharf gives way, drownings, Oakland CA-- ≥11
17. 1869 -- Jan 31, dam failures and flood, Upper/Lower Kohanza/Flint, Danbury, CT²³⁹² --11-13
18. 1870 -- Apr 29, Court House Gallery collapse, Richmond, VA -- ~60
19. 1871 -- July 03, Bridge Fails under Train, Harpeth River, near Nashville, TN²³⁹³ -- 15
20. 1872 -- Dec 25, Memorial Bap. Church XMAS Svc. Floor Collapse, Newberry, PA --13-15
21. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI²³⁹⁴ -- 11
22. 1873 -- May 04, Truesdell Bridge Collapse, Pedestrians fall, Rock River, Dixon IL -- 56
23. 1874 -- Feb 13, 3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA -- 8-12
24. 1874 -- May 16, Mill River Reservoir Dam Fails, 4 villages, esp. Williamsburg MA-138-139
25. 1874 -- June 23, Floor Failure, Festival, Central Baptist Church, Syracuse, NY -- 14
26. 1876 -- Feb 05, Gallery Fails, Robinson's Opera House, Cincinnati, OH -- 12
27. 1876 -- Mar 6, Bridge Fails under Train, Valley Div., B&O, Shenandoah Co., VA²³⁹⁵ -- 15
28. 1876 -- July 04, Storm, Flash Flood, Dam Failure, Rockdale, IA (also in Flooding) --41-42
29. 1876 -- Dec 29, Bridge Fails under train *Pacific Express*, Fire, Ashtabula, OH (Rail) --92-100
30. 1877 -- May 11, unfinished court-house walls fail, killing workers, Rockford IL -- 10
31. 1878 -- Jan 15, Conn. Western train falls into river when bridge fails, Tariffville, CT -- 13

²³⁸⁶ Cross-listed in Flooding.

²³⁸⁷ Cross-listed in Flooding. Noted here in that most of the fatalities were of people in structures which failed.

²³⁸⁸ Cross-listed in Fire – while the vast majority died in the collapse, at least 14 trapped died when the fire started.

²³⁸⁹ Cross-listed in Flooding.

²³⁹⁰ Cross-listed in Rail.

²³⁹¹ Cross-listed in Rail.

²³⁹² Cross-listed in Flooding.

²³⁹³ Cross-listed in Rail.

²³⁹⁴ Cross-listed in Rail as well as Flash Flooding

²³⁹⁵ Cross-listed under Rail.

32. 1880 -- July 21, Tunnel Failure (Blowout), Hudson & Manhattan (Hudson River), NY-- 21
 33. 1883 -- Feb 20, school fire evacuation, railing breaks, students fall / suffocation, NYC--15-16

STRUCTURAL FAILURES – Master List – CHRONOLOGICAL (continued)

34. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX (also in Fire) --13-15
 35. 1883 -- July 23, Pier Fails, North Point, Tivoli Park, Baltimore, MD --63-70
 36. 1885 -- May 05, Factory Building Collapse, State and Hicks Streets, Brooklyn, NY -- 15
 1886 -- Apr 20, Rain, Mud Pond Reservoir Dam/Mt. Lake Fails/Flood, East Lee, MA -- 7
 37. 1887 -- Mar 14, Busey Bridge Collapses Under Train, Roslindale ~Boston, MA²³⁹⁶ --23-37
 38. 1887 -- Aug 10, Great Chatsworth (IL) Trestle Failure/Train Wreck, IL (also in Rail) --79-85
 39. 1888 -- Mar 17, Trestle Collapse, West India Mail Train wrecks, Blackshear GA²³⁹⁷⁻ --25-27
 40. 1888 -- July 12, Fat Nancy Trestle Failure, Train Wreck, ~Orange Court House VA²³⁹⁸--9-10
 41. 1889 -- May 31, South Fork Dam Failure, Flood, Fire Johnstown, PA²³⁹⁹ --2,209-3,188
 42. 1889 -- July 09, Storm, Flooding, Stone Bridge failure, Johnstown, NY (Flooding) -- 6-15

 43. 1890 -- Jan 09, bridge caisson No. 1, floods, Ohio River, near Jeffersonville, IN -- 14
 44. 1890 -- Feb 02, flooding, trestle fails, train cars fall, near Cascade Locks, OR²⁴⁰⁰ -- 9-10
 45. 1890 -- Feb 22, dam failure, Walnut Grove, AZ (cross-listed in Flooding) -- 100
 46. 1891 -- Aug 22, building collapse/fire, Taylor Building, Park Place, New York, NY --60-61
 1891 -- Dec 04, wall falls on workers, previously burned Shepard bldg., St. Paul, MN -- 9
 47. 1892 -- June 05, dam failure, oil fire, Titusville, Oil City, PA (in Flooding and Rail) -126-132
 48. 1892 -- June 15, bridge under construction over Licking Riv. collapses, Covington KY--27-31
 49. 1893 -- June 09, building collapse, Ford's Theater, Washington, DC -- 22
 50. 1893 -- Aug 31, bridge fails, train wreck, near Chester, MA (cross-listed in Rail) -- 13
 51. 1893 -- Dec 15, crane/span fall, bridge construction, Louisville, KY/Jeffersonville, IN-- 21
 52. 1895 -- Aug 13, Ireland Building (under construction) collapse, New York, NY -- 17
 53. 1896 -- Feb 06, train fridge failure (repairmen die), Pequabuck Riv., East Bristol CT²⁴⁰¹-- 11
 54. 1898 -- Apr 03, levee fails, flash flood, Shawneetown, IL (cross-listed in Flooding) --25-33
 55. 1898 -- Nov 05, building collapse, Wonderland Theater, Detroit, MI -- 15
 56. 1899 -- Aug 06, gangplank fails, drownings, Mount Desert Ferry near Bar Harbor, ME-- 20

 57. 1900 -- Apr 07, heavy rain, Austin (McDonald) Dam failure/flooding, Austin, TX²⁴⁰² -- ≥24
 58. 1900 -- June 23, cloudburst, trestle washout/train wreck/fire, near McDonough GA²⁴⁰³-- 37
 59. 1900 -- Nov 29, roof collapse, San Francisco Pacific Glass Works, San Francisco, CA-- 20
 60. 1901 -- June 26, trestle fails under train, weakened by recent rain, near Peru, IN²⁴⁰⁴ -- 16
 61. 1901 -- July 11, Nickel Plate RR Bridge collapse, train crash, Springfield, PA²⁴⁰⁵ -- 11

²³⁹⁶ Cross-listed in Rail

²³⁹⁷ Cross listed in Rail

²³⁹⁸ Cross-listed in Rail.

²³⁹⁹ Cross-listed in Flooding.

²⁴⁰⁰ Cross-listed in Flooding and in Rail.

²⁴⁰¹ Cross-listed in Rail.

²⁴⁰² Cross-listed in Flooding.

²⁴⁰³ Cross-listed in Rail and Flooding.

²⁴⁰⁴ Cross-listed in Flooding.

²⁴⁰⁵ Cross-listed in Rail

62. 1903 -- July 05, cloudburst, dam failure, flood, Oakford Park (~Pittsburgh), PA --20-23
 63. 1903 -- Aug 08, Bleacher Collapses, National Baseball Park, Philadelphia, PA -- 12
 64. 1903 -- Oct 19, ropes break, Wabash Railroad Bridge construction, Pittsburgh, PA -- 10
 65. 1904 -- Aug 07, Bridge/Trestle Fails Under Train, Near Pueblo, CO (Rail cross-listed -- 116
 1904 -- Sep 23, School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH-- 9
 66. 1905 -- Feb 27, Floor Collapse/Fire Scare, Trampling, Church Service, Brooklyn, NY²⁴⁰⁶--11
 67. 1905 -- Aug 08, Collapse, John G. Myers Dry Goods Store, Pearl St., Albany, NY -- 13
 68. 1906 -- Mar 26, Bridge Fails Under Train, Drownings, near Natrona, WY²⁴⁰⁷ -- 10
 69. 1906 -- July 23, Collapse, Amsden Building, South Framingham, MA -- ~12
 70. 1906 -- Nov 09, Building Collapse, Bixby Hotel, Long Beach, CA -- 10
 71. 1906 -- Dec 04, Heavy Rain, Detroit Dam Fails, Flooding, Clifton, AZ --13-18
 72. 1908 -- Aug 25, Bridge fails with Pedestrians watching flood water, Camden, SC²⁴⁰⁸ -- 19

STRUCTURAL FAILURES – Master List – CHRONOLOGICAL (continued)

73. 1911 -- Mar 15, Structural Collapse, J.H. fall & Co. Bldg., 3rd Ave., Nashville, TN -- 13
 74. 1911 -- Jun 30, Collapse of Pumping Station Roof, Buffalo, NY -- 9-10
 75. 1911 -- Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA (in Flooding)--78-149
 76. 1912 -- March-April, Flooding, Miss. River, IL, TN, MS, KY, AR, MO, LA²⁴⁰⁹ -- 245
 77. 1912 -- June 23, Pier/Dock Collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
 78. 1913 -- Late April, flooding from Ohio and Mississippi River flooding, levee break²⁴¹⁰-- 11
 79. 1913 -- May 24, Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach, CA--40-47
 80. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA-- 11
 81. 1913 -- Dec 1-5, Floods/Levee Failures, Brazos, Other Valleys, cent., east, coast TX -- 187
 82. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS²⁴¹¹ -- 11
 83. 1916 -- Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure²⁴¹² --22-60
 84. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH²⁴¹³-- 9-10
 85. 1916 -- Aug 2-3, Cloudburst, Mill Dam Fails, Flash Flood, ~New Tazewell, TN²⁴¹⁴ --27-38
 86. 1918 -- June 29, Structural Failure, Ruff Building, Sioux City, IO -- 39
 87. 1919 -- Jan 15, Molasses Tank Collapse, US Industrial Alcohol Co., Boston, MA -- 21
88. 1921 -- Jun 02, Arkansas River Levee Failures, Pueblo County, CO (also in Flooding)-- 120
 89. 1921 -- Sep 10, Third Street Foot-Bridge Collapses, Chester River, Chester, PA -- 24
 90. 1922 -- Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC²⁴¹⁵ -- 98
 91. 1922 -- Sep 11, Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²⁴¹⁶-18

²⁴⁰⁶ Cross-listed in Violence – Crushing, Trampling, Suffocation

²⁴⁰⁷ Cross-listed in Rail and in Flood.

²⁴⁰⁸ Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.

²⁴⁰⁹ Cross-listed in Flooding.

²⁴¹⁰ There were many levee failures from this large-area rain storms event Mar 23-27, especially in Ohio Riv. Vly..
 There were failures down the Ohio River and then down the Mississippi River. See 1913 March Flood file.

²⁴¹¹ Cross-listed in Rail as well as Flash Flooding.

²⁴¹² Cross-listed in Flooding.

²⁴¹³ Cross-listed in Explosions -- construction-site dynamite blast caused weak structure next-door to collapse.

²⁴¹⁴ Cross-listed in Structural Failures – Dams, Dikes and Levees.

²⁴¹⁵ Cross-listed in winter Storms.

²⁴¹⁶ Cross-listed in Road and Highway.

92. 1923 -- Mar 31, water tank/tower on roof fails, Fuller Brush Co., Hartford, CT -- 10
 93. 1923 -- Sep 27, bridge washout and train derailment, near Lockett, WY -- 31
 94. 1924 -- Dec 24, Mathieson Alkali Works "muck" dam fails, Palmertown/Saltville, VA-- 19
 95. 1925 -- July 4, 2nd floor collapse into basement, Pickwick dance Club, Boston, MA --44-45
 96. 1927 -- Late March-July, flooding, levee breaks upper and esp. lower MS River ²⁴¹⁷--246-500
 97. 1927 -- Nov 2-4, New England Flooding, Sharon Dam Fails, Winooski River, VT²⁴¹⁸ -- 200
 98. 1928 -- Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA²⁴¹⁹ --370-431
 99. 1929 -- July 18, Flash Flood, Bridge Fails, Train Wreck, Stratton, CO²⁴²⁰ -- 10

STRUCTURAL FAILURES – Master List – CHRONOLOGICAL (continued)

100. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM (also Rail)-- 11
 101. 1937 -- Feb 17, construction scaffolding collapse, Golden Gate Bridge, San Fran., CA-- 10
 102. 1937 -- Aug 11, heavy rain, 3 tenement bldgs. collapse, New Brighton, S.I., NY²⁴²¹ -- 19
 103. 1938 -- June 19, flash flood, bridge fails, train-cars fall in Custer Creek ~Saugus MT²⁴²²--47

 104. 1941 -- Dec 04, bridge construction collapse, Charter Oak Bridge, Hartford, CT -- 16
 105. 1946 -- Dec 12, fire, vacant Knickerbocker Ice Plant wall falls onto tenement, NYC²⁴²³--37
 106. 1948 -- May 22-June 11, flooding/dike failures, Pacific NW, esp. Vanport, OR -- ≥15

 107. 1955 -- Dec, flooding, Feather River levee failure, northern two-thirds of CA²⁴²⁴ -- 76
 108. 1956 -- Oct 03, building collapse (under const.), Consumers Power Co., Jackson, MI-- 10

 109. 1964 -- June 8, rain/Swift & Two Medicine dams fail/flooding, esp. Blackfeet Res., NW MT--34-35
 110. 1965 -- Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA²⁴²⁵ -- ~50
 111. 1967 -- Dec 15, Silver Bridge collapse, OH River, Point Pleasant WV & Gallipolis, OH-46

 1971 -- Jan 25, construction failure, 16-story apartment building, Boston, MA -- 4
 112. 1972 -- Feb 26, impoundment dam failure, Buffalo Creek Mining, Saunders WV²⁴²⁶-- 125
 113. 1972 -- Jun 09, Pactola Dam failure, Black Hills flash flood, Rapid City, SD²⁴²⁷ --236-238
 114. 1972 -- Nov 07, Sidney Lanier Bridge span collapse, freighter hit, Brunswick GA -- 10
 115. 1973 -- Feb 10, fire/gas explos./LNG tank concrete roof falls, Staten Island NY²⁴²⁸ -- 40
 116. 1973 -- Mar 02, Skyline Plaza Apt. bldg. construction failure, Baileys Crossroads, VA-- 14

²⁴¹⁷ Cross-listed in Floods.

²⁴¹⁸ Cross-listed in Floods; some of the flooding fatalities were attributable to the Sharon Dam failure.

²⁴¹⁹ Cross-listed in Floods.

²⁴²⁰ Cross-listed in Flooding and under Rail.

²⁴²¹ Cross-listed in Floods.

²⁴²² Cross-listed in Flooding and in Rail.

²⁴²³ Cross-listed in Fire, Structural. Fire was in next-door ice plant. The roof of the ice plant collapsed due to the stress of fire-fighting operations, and caused a two-foot thick brick wall to fall onto and crush the tenement.

²⁴²⁴ Cross-listed in Floods.

²⁴²⁵ Guestimate on our part. There were 81-87 fatalities in LA, on the order of 50 of them, if not more, in New Orleans from drowning. Most drownings took place due to rapid rise of water when nearby levees breached.

²⁴²⁶ Cross-listed in Flooding.

²⁴²⁷ Cross-listed in Flooding.

²⁴²⁸ Cross-listed in Explosions and in Fires. This was an LNG tank which was being cleaned and worked-on. A flash fire caused a residual gas explosion which caused the tank concrete ceiling to fall onto workers.

117. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho²⁴²⁹ 11-12
 118. 1977 -- July 20, Dam Failures, Flash Floods, Johnstown & Tanneryville, PA²⁴³⁰ -- ~85
 119. 1977 -- Nov 6, heavy rain, Kelly Barnes Dam failure, Toccoa falls Bible College, GA-- 39
 120. 1978 -- Apr 27, scaffold collapses, Monongahela Power Co., Willow Island, WV -- 51
 1978 -- Oct 06, temporary cofferdam construction failure, Lake Keowee ~Seneca, SC-- 7
 1979 -- Aug 13, construction failure/roof collapse, Rosemont Horizon Arena, Chicago-- 5

STRUCTURAL FAILURES – Master List – CHRONOLOGICAL (continued)

121. 1980 -- May 09, *Summit Venture* hits Sunshine Skyway bridge, collapse, Tampa FL²⁴³¹--35
 122. 1981 -- Mar 27, Construction Failure, Harbour Cay Condominium, Cocoa Beach, FL-- 11
 123. 1981 -- July 17, Hyatt Regency Walkway Collapse, Kansas City, Missouri -- 114
 124. 1982 -- Apr 15, Construction Failure, Indiana Highway Ramp, East Chicago, IL -- 13
 1983 -- June 28, eastbound Mianus River bridge span collapse, I-95, Greenwich, CT-- 3
 125. 1986 -- Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV²⁴³² -- 14
 126. 1987 -- Apr 5, Bridge Collapse, Schoharie Crk., NY State Thruway, Amsterdam NY²⁴³³-10
 127. 1987 -- Apr 23, Const. Collapse, L'Ambiance Plaza Apartments, Bridgeport, CT -- 28
 128. 1988 -- July 7, La Tienda Amigo Dept. Store Collapse, heavy rain, Brownsville, TX-- 14
 1989 -- April 1, Hatchie River Bridge Collapse, near Covington, TN -- 8
129. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, Americus, GA²⁴³⁴--≥15
 130. 1999 -- Nov 17/18, Texas A&M, College Station, Bonfire Stack Disaster -- 12
131. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM²⁴³⁵ -- 12
 132. 2002 -- May 26, Barge hits Bridge, Span Collapse, Webbers falls, OK²⁴³⁶ -- 14
 133. 2003 -- June 29, Apartment Building Balcony Collapse, Lincoln Park, Chicago, IL -- 13
 134. 2005 -- Aug 29, Levee Failure due to Hurricane Katrina, New Orleans, LA --1,253
 135. 2007 -- Aug 1, Interstate 35W Bridge Collapse, Minneapolis, MN -- 13
 136. 2021 -- June 24, Champlain Towers South condo structural collapse, Surfside, FL -- 97

²⁴²⁹ Cross-listed in Flooding.

²⁴³⁰ Cross-listed in Flooding.

²⁴³¹ Cross-listed in Maritime and in Road/Highway.

²⁴³² Cross-listed in Flooding.

²⁴³³ Cross-listed in Flooding.

²⁴³⁴ Cross-listed in Flooding and in Hurricanes/Tropical Storms. There were 34-37 total deaths. At least 15 of these were attributable to flash flooding in Americus, GA after the failure of a series of earthen dams in the area.

²⁴³⁵ Cross-listed in Explosions and in Fires-Structural.

²⁴³⁶ Cross-listed in Maritime

Structural Failures Subset -- BRIDGE/Trestle (Rail) Collapse/Failures -- By Mortality

1. 1904 -- Aug 7, bridge/trestle fails under train near Eden/Pueblo, CO (also in Rail) --~83-116
 2. 1876 -- Dec 29, bridge fails under *Pacific Express* train, fire, Ashtabula, OH (Rail) --92-100
 3. 1887 -- Aug 10, Great Chatsworth (IL) trestle failure/train wreck (Rail cross-listed) --79-85
 4. 1938 -- June 19, flash flood, bridge fails, train-cars fall into Custer Creek ~Saugus MT²⁴³⁷--47
 5. 1859 -- June 28, Springbrook Bridge fails under train, Mishawaka, IN (also in Rail) -- 41
 6. 1887 -- Mar 14, Busey Bridge collapses under train, Roslindale, near Boston, MA²⁴³⁸ --23-37
 7. 1900 -- June 23, cloudburst, trestle washout/train wreck/fire near McDonough, GA²⁴³⁹-- 37
 8. 1855 -- Nov 01, bridge failure under excursion train, Gasconade, MO (also in Rail) --20-31
 9. 1923 -- Sep 27, bridge washout and train derailment, near Lockett, WY -- 31
 10. 1888 -- Mar 17, trestle collapse, West India mail train wrecks, Blackshear GA²⁴⁴⁰ --25-27
 11. 1901 -- June 26, trestle fails under train, weakened by recent rain, near Peru, IN²⁴⁴¹ -- 16
 12. 1871 -- July 03, bridge fails under train, Harpeth River, near Nashville, TN²⁴⁴² -- 15
 13. 1876 -- Mar 06, bridge fails under train, Valley Division, B&O, Shenandoah Co., VA²⁴⁴³-- 15
 14. 1866 -- Sep 14, rail bridge collapse, pedestrians fall, Johnstown, PA -- 13
 15. 1878 -- Jan 15, Conn. Western train falls into river when bridge fails, Tariffville, CT -- 13
 16. 1893 -- Aug 31, bridge fails, train wreck, near Chester, MA (Rail cross-listed) -- 13
 17. 1865 -- Feb 04-5, bridge fails, train falls into Lee's Creek, burns, ~Leesburg, OH²⁴⁴⁴ --11-12
 18. 1873 -- Apr 19, train derailment at washed-out bridge, Richmond Switch, RI²⁴⁴⁵ -- 11
 19. 1896 -- Feb 06, train bridge failure (repairmen die), Pequabuck Riv., East Bristol, CT²⁴⁴⁶-- 11
 20. 1901 -- July 11, Nickel Plate Rail bridge collapse and train crash, Springfield, PA²⁴⁴⁷ -- 11
 21. 1915 -- Oct 16, flash flooding, bridge fails, train derails, Randolph, KS²⁴⁴⁸ -- 11
 22. 1933 -- Aug 29, storm, bridge weakened, train wreck, Tucumcari, NM (also in Rail) -- 11
 23. 1867 -- Sep 05, Branch River bridge fails, Naugatuck train fall near Thomaston CT²⁴⁴⁹-- 10
 24. 1888 -- July 12, Fat Nancy Trestle failure, train wreck, ~Orange Court House VA²⁴⁵⁰ -- 9-10
 25. 1890 -- Feb 02, flooding, trestle fails, train cars fall, near Cascade Locks, OR²⁴⁵¹ -- 9-10
 26. 1906 -- Mar 26, bridge fails under train, drowning deaths, near Natrona, WY²⁴⁵² -- 10
 27. 1929 -- July 18, flash flood, bridge down, train wreck, Stratton, CO (Flood cross-list) -- 10
- Other:** (fewer than ten fatalities)
- 1989 -- Apr 01, Hatchie River Bridge Collapse, near Covington, TN -- 8

²⁴³⁷ Cross-listed in Flooding and in Rail.

²⁴³⁸ Cross-listed under Rail

²⁴³⁹ Cross-listed under Rail and Flooding.

²⁴⁴⁰ Cross listed under Rail

²⁴⁴¹ Cross-listed under Rail

²⁴⁴² Cross-listed under Rail.

²⁴⁴³ Cross-listed under Rail.

²⁴⁴⁴ Cross-listed in Rail.

²⁴⁴⁵ Cross-listed under Rail as well as Flash Flooding

²⁴⁴⁶ Cross-listed under Rail.

²⁴⁴⁷ Cross-listed under Rail

²⁴⁴⁸ Cross-listed under Rail as well as Flash Flooding.

²⁴⁴⁹ Cross-listed under Rail.

²⁴⁵⁰ Cross-listed under Rail.

²⁴⁵¹ Cross-listed in Flooding and in Rail.

²⁴⁵² Cross-listed under Rail and under Flood.

Structural Failures **Subset** -- **BRIDGE/Trestle (Rail) Collapse/Failures** -- **Chronological**

1. 1855 -- Nov 01, bridge failure under excursion train, Gasconade, MO (also in Rail) --20-31
 2. 1859 -- June 28, Springbrook Bridge fails under train, Mishawaka, IN (also in Rail) -- 41
 3. 1865 -- Feb 4-5, bridge fails/train falls into Lee's Creek, burns, near Leesburg, OH²⁴⁵³--11-12
 4. 1866 -- Sep 14, rail bridge collapse, pedestrians fall, Johnstown, PA -- 13
 5. 1867 -- Sep 05, Branch River Bridge fails, Naugatuck train fall near Thomaston CT²⁴⁵⁴-- 10
 6. 1871 -- July 03, bridge fails under train, Harpeth River, near Nashville, TN (Rail also)-- 15
 7. 1873 -- Apr 19, train derailment at washed-out bridge, Richmond Switch, RI²⁴⁵⁵ -- 11
 8. 1876 -- Mar 06, bridge fails under train, Valley Div., B&O, Shenandoah Co., VA²⁴⁵⁶ -- 15
 9. 1876 -- Dec 29, bridge fails under *Pacific Express* train, fire, Ashtabula, OH (Rail) --92-100
 10. 1878 -- Jan 15, Conn. Western train falls into river when bridge fails, Tariffville, CT -- 13
 11. 1887 -- Mar 14, Busey Bridge collapses under train, Roslindale near Boston, MA²⁴⁵⁷ --23-37
 12. 1887 -- Aug 10, Great Chatsworth (IL) trestle failure and train wreck (also in Rail) --79-85
 13. 1888 -- Mar 17, trestle collapse, West India Mail Train wrecks, Blackshear, GA²⁴⁵⁸ --25-27
 14. 1888 -- July 12, Fat Nancy Trestle failure/train wreck near Orange Court House VA²⁴⁵⁹--9-10
 15. 1890 -- Feb 02, flooding, trestle fails, train cars fall, near Cascade Locks, OR²⁴⁶⁰ -- 9-10
 16. 1893 -- Aug 31, bridge fails, train wreck, near Chester, MA (cross-listed in Rail) -- 13
 17. 1896 -- Feb 06, train bridge failure (repairmen die), Pequabuck Riv., East Bristol CT²⁴⁶¹-- 11
 18. 1900 -- Jun 23, cloudburst, trestle washout and train wreck/fire, ~McDonough GA²⁴⁶² -- 37
 19. 1901 -- June 26, trestle fails under train, weakened by recent rain, near Peru, IN²⁴⁶³ -- 16
 20. 1901 -- July 11, Nickel Plate RR bridge collapse and train crash, Springfield, PA²⁴⁶⁴ -- 11
 21. 1904 -- Aug 07, bridge/trestle fails under train, near Eden/Pueblo, CO (in Rail) -- ~83-116
 22. 1906 -- Mar 26, bridge fails under train, drownings, near Natrona, WY²⁴⁶⁵ -- 10
 23. 1923 -- Sep 27, bridge washout and train derailment, near Lockett, WY -- 31
 24. 1938 -- June 19, flash flood, bridge fails, train-cars fall into Custer Creek ~Saugus MT²⁴⁶⁶--47
 25. 1915 -- Oct 16, flash flooding, bridge fails, train derails, Randolph, KS²⁴⁶⁷ -- 11
 26. 1929 -- July 18, flash flood, bridge down, train wreck, Stratton, CO²⁴⁶⁸ -- 10
 27. 1933 -- Aug 29, storm, bridge weakened, train wreck, Tucumcari, NM²⁴⁶⁹ -- 11
- Other:** 1989 -- Apr 01, Hatchie River Bridge collapse, near Covington, TN -- 8

²⁴⁵³ Cross-listed in Rail.

²⁴⁵⁴ Cross-listed under Rail.

²⁴⁵⁵ Cross-listed under Rail as well as Flash Flooding

²⁴⁵⁶ Cross-listed under Rail.

²⁴⁵⁷ Cross-listed under Rail

²⁴⁵⁸ Cross listed under Rail

²⁴⁵⁹ Cross-listed under Rail.

²⁴⁶⁰ Cross-listed in Flooding and in Rail.

²⁴⁶¹ Cross-listed under Rail.

²⁴⁶² Cross-listed under Rail and Flooding.

²⁴⁶³ Cross-listed under Rail

²⁴⁶⁴ Cross-listed under Rail

²⁴⁶⁵ Cross-listed under Rail and under Flood.

²⁴⁶⁶ Cross-listed in Flooding and in Rail.

²⁴⁶⁷ Cross-listed under Rail as well as Flash Flooding.

²⁴⁶⁸ Cross-listed under Flood and under Rail

²⁴⁶⁹ Cross-listed under Rail

**Subset-Structural-BRIDGE FAILURES -- ROAD/Highway/PEDESTRIAN -- by Mortality
(non-Rail or Maritime-Related)**

1. 1873 -- May 04, Truesdell Bridge collapse, pedestrians fall, Rock River, Dixon IL -- 56
2. 1967 -- Dec 15, Silver Bridge collapse, vehicles fall, Pt. Pleasant WV & Gallipolis OH-- 46
3. 1892 -- June 15, bridge under construction over Licking Riv. collapses, Covington KY--27-31
4. 1921 -- Sep 10, Third Street foot-bridge collapses, Chester River, Chester, PA -- 24
5. 1840 -- Aug 22, State Street Canal Basin drawbridge fails, Albany, NY -- 21
6. 1908 -- Aug 25, bridge fails with pedestrians watching flood water, Camden, SC²⁴⁷⁰ -- 19
7. 1922 -- Sep 11, truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²⁴⁷¹--18
8. 1941 -- Dec 04, bridge construction collapse, Charter Oak Bridge, Hartford, CT -- 16
9. 1889 -- July 09, storm, flooding, Stone Bridge failure, Johnstown, NY²⁴⁷² -- 6-15
10. 2007 -- Aug 01, Interstate 35W Bridge collapse, Minneapolis, MN²⁴⁷³ -- 13
11. 1987 -- Apr 95, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter²⁴⁷⁴ NY-- 10

Other: (Fewer than ten fatalities)

- 1989 -- Apr 01, Hatchie River Bridge collapse, 5 vehicles fall, near Covington, TN²⁴⁷⁵ -- 8
- 1983 -- June 28, eastbound Mianus River bridge span collapse, I-95, Greenwich, CT -- 3

Subset-Structural-BRIDGE FAILURES--ROAD/Highway/PEDESTRIAN--Chronological

1. 1840 -- Aug 22, State Street Canal Basin drawbridge fails, Albany, NY -- 21
2. 1873 -- May 04, Truesdell Bridge collapse, pedestrians fall, Rock River, Dixon, IL -- 56
3. 1889 -- July 09, storm, flooding, Stone Bridge failure, Johnstown, NY²⁴⁷⁶ -- 6-15
4. 1892 -- June 15, bridge under construction over Licking Riv. collapses, Covington KY--27-31
5. 1908 -- Aug 25, bridge fails with pedestrians watching flood water, Camden, SC²⁴⁷⁷ -- 19
6. 1921 -- Sep 10, Third Street foot-bridge collapses, Chester River, Chester, PA -- 24
7. 1922 -- Sep 11, truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA²⁴⁷⁸--18
8. 1941 -- Dec 04, bridge construction collapse, Charter Oak Bridge, Hartford, CT -- 16
9. 1967 -- Dec 15, Silver Bridge collapse, behicles fall, Pt. Pleasant WV & Gallipolis OH-- 46
- 1983 -- June 28, eastbound Mianus River bridge span collapse, I-95, Greenwich, CT -- 3
10. 1987 -- Apr 05, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter, NY -- 10
- 1989 -- Apr 01, Hatchie River bridge collapse, 5 vehicles fall, near Covington, TN²⁴⁷⁹-- 8
11. 2007 -- Aug 01, Interstate 35W bridge collapse, Minneapolis, MN (Road cross-listed)-- 13

²⁴⁷⁰ Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.

²⁴⁷¹ Cross-listed in Road and Highway.

²⁴⁷² Cross-listed in Flooding.

²⁴⁷³ Cross-listed in Road/Highway.

²⁴⁷⁴ Cross-listed in Road/Highway. I-90 (NY State Thruway) Schoharie Creek bridge is ~a mile south of Fort Hunter hamlet, Montgomery Co., and ~5½ miles west of Amsterdam, NY, 37 miles NW of state capital of Albany.

²⁴⁷⁵ Cross-listed in Road/Highway.

²⁴⁷⁶ Cross-listed in Flooding.

²⁴⁷⁷ Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.

²⁴⁷⁸ Cross-listed in Road and Highway.

²⁴⁷⁹ Cross-listed in Road/Highway.

STRUCTURAL FAILURES Subset -- **BUILDINGS and Components** -- **Mortality**

1. 1860 -- Jan 10, building collapse, fire, Pemberton Cotton Mills, Lawrence, MA²⁴⁸⁰ --90-145
2. 1981 -- July 17, Hyatt Regency walkway collapse, Kansas City, MO -- 114
3. 1922 -- Jan 28, roof collapse, snow weight, Knickerbocker Theater, Washington, DC²⁴⁸¹ -- 98
4. 2021 -- June 24, Champlain Towers South condo structural failure/collapse, Surfside, FL--97
5. 1891 -- Aug 22, building collapse/fire, Taylor Building, Park Place, New York, NY --60-61
6. 1870 -- Apr 29, Court House Gallery collapse, Richmond, VA -- ~60
7. 1913--May 24, Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach CA--40-47
8. 1925 -- July 4, 2nd floor collapse into basement, Pickwick Dance Club, Boston, MA --44-45
9. 1918 -- Jun 29, Ruff Building overloaded floors collapse, Sioux City, IA -- 39
10. 1946 -- Dec 12, fire, vacant Knickerbocker Ice Plant, wall falls onto tenement, NYC²⁴⁸²-- 37

11. 1893 -- Jun 09, Building Collapse, Ford's Theater, Washington, DC -- 22
12. 1937 -- Aug 11, Heavy Rain, 3 Tenement Bldgs. Collapse, New Brighton, S.I., NY -- 19
13. 1900 -- Nov 29, Roof Collapse, San Francisco Pacific Glass Works, San Francisco, CA-- 20
14. 1864 -- Jul 20, Structural Collapse, Blockley Almshouse and Insane Asylum, Philly --16-18
15. 1883 -- Feb 20, Fire Evacuation, Railing Breaks, fall & Suffocation, School, NYC --15-16
16. 1872 -- Dec 25, Memorial Bap. Church XMAS Svc. Floor Collapse, Newberry, PA --13-15
17. 1883 -- Apr 7, Structural Failure and Fire, Ende Hotel, Greenville, TX²⁴⁸³ --13-15
18. 1885 -- May 5, Factory Building Collapse, State and Hicks Streets, Brooklyn, NY -- 15
19. 1898 -- Nov 5, Building Collapse, Wonderland Theater, Detroit, MI -- 15
20. 1874 -- June 24, Floor Failure, Festival, Central Baptist Church, Syracuse, NY -- 14
21. 1988 -- July 7, La Tienda Amigo Dept. Store Collapse, heavy rain, Brownsville, TX -- 14
22. 1860 -- March 1, Building Wall Failure, St. Francis Xavier Church, Cincinnati, OH -- 13
23. 1905 -- Aug 08, Collapse, John G. Myers Dry Goods Store, Pearl St., Albany, NY -- 13
24. 2003 -- June 29, Apartment Building Balcony Collapse, Lincoln Park, Chicago, IL -- 13
25. 1874 -- Feb 13, 3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA -- 8-12
26. 1876 -- Feb 5, Gallery Fails, Robinson's Opera House, Cincinnati, OH -- 12
27. 1906 -- July 23, Collapse, Amsden Building, South Framingham, MA -- ~12
28. 1905 -- Feb 27, Floor Collapse, Fire Scare, Trampling, Church Service, Brooklyn, NY-- 11
29. 1832 -- May 04, Building Collapse, Phelps & Peck, Cliff & Fulton Streets, NYC -- 10
30. 1835 -- May 14, Collapse, Planters' Hotel, New Orleans, LA -- ≥10
31. 1906 -- Nov 9, Building Collapse, Bixby Hotel, Long Beach, CA -- 10
32. 1923 -- March 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT -- 10

Other: (Fewer than ten fatalities.)

- 1891 -- Dec 4, Wall falls on workers, previously burned Shepard building, St. Paul, MN -- 9
- 1904 -- Sep 23, School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH -- 9

²⁴⁸⁰ Cross-listed in Fire – while the vast majority died in the collapse, at least 14 trapped died when the fire started.

²⁴⁸¹ Cross-listed in winter Storms.

²⁴⁸² Cross-listed in Fire, Structural. Fire was in the next-door ice plant. The roof of the ice plant collapsed due to the stress of fire-fighting operations, and caused a two-foot thick brick wall to fall onto and crush the tenement.

²⁴⁸³ Cross listed in Fire.

STRUCTURAL FAILURES Subset -- **BUILDINGS and Components** -- **Chronological**

1. 1832 -- May 04, Building Collapse, Phelps & Peck, Cliff & Fulton Streets, NYC -- 10
2. 1835 -- May 14, Collapse, Planters' Hotel, New Orleans, LA -- ≥10

3. 1860 -- Jan 10, Building Cave-in & Fire, Pemberton Cotton Mills, Lawrence, MA²⁴⁸⁴ 88-200
4. 1860 -- Mar 01, Building Wall Failure, St. Francis Xavier Church, Cincinnati, OH -- 13
5. 1864 -- Jul 20, Structural Collapse, Blockley Almshouse and Insane Asylum, Philly --16-18

6. 1870 -- Apr 29, Court House Gallery Collapse, Richmond, VA -- ~60
7. 1872 -- Dec 25, Memorial Bap. Church XMAS Svc. Floor Collapse, Newberry, PA --13-15
8. 1874 -- Feb 13, 3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA -- 8-12
9. 1874 -- June 24, Floor Failure, Festival, Central Baptist Church, Syracuse, NY -- 14
10. 1876 -- Feb 05, Gallery Fails, Robinson's Opera House, Cincinnati, OH -- 12

11. 1883 -- Feb 20, Fire Evacuation, Railing Breaks, fall & Suffocation, School, NYC --15-16
12. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX²⁴⁸⁵ --13-15
13. 1885 -- May 05, Factory Building Collapse, State and Hicks Streets, Brooklyn, NY -- 15

14. 1891 -- Aug 22, Building Collapse/Fire, Taylor Building, Park Place, New York, NY --60-61
1891 -- Dec 4, Wall falls on workers, previously burned Shepard bldg., St. Paul, MN -- 9
15. 1893 -- Jun 09, Building Collapse, Ford's Theater, Washington, DC -- 22
16. 1898 -- Nov 05, Building Collapse, Wonderland Theater, Detroit, MI -- 15

17. 1900 -- Nov 29, Roof Collapse, San Francisco Pacific Glass Works, San Francisco, CA-- 20
18. 1905 -- Feb 27, Floor Collapse, Fire Scare, Trampling, Church Service, Brooklyn, NY-- 11
19. 1905 -- Aug 08, Collapse, John G. Myers Dry Goods Store, Pearl St., Albany, NY -- 13
20. 1906 -- July 23, Collapse, Amsden Building, South Framingham, MA -- ~12
21. 1906 -- Nov 09, Building Collapse, Bixby Hotel, Long Beach, CA -- 10

22. 1913 -- May 24, Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach CA--40-47
23. 1918 -- Jun 29, Overloaded floors, Ruff Building Collapse, Sioux City, IA -- 39

24. 1922 -- Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC²⁴⁸⁶ -- 98
25. 1923 -- March 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT -- 10
26. 1925 -- July 4, 2nd floor collapse into basement, Pickwick dance Club, Boston, MA --44-45

27. 1937 -- Aug 11, Heavy Rain, 3 Tenement Bldgs. Collapse, New Brighton, S.I., NY -- 19

28. 1946 -- Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC²⁴⁸⁷-- 37

²⁴⁸⁴ Cross-listed in Fire.

²⁴⁸⁵ Cross listed in Fire.

²⁴⁸⁶ Cross-listed in winter Storms.

²⁴⁸⁷ Cross-listed in Fire, Structural. The fire was in the next-door ice plant. The roof of the ice plant collapsed due to the stress of fire-fighting operations, and caused a two-foot thick brick wall to fall onto and crush the tenement.

29. 1981 -- July 17, Hyatt Regency Walkway Collapse, Kansas City, MO -- 114
30. 1988 -- July 7, La Tienda Amigo Dept. Store Collapse, heavy rain, Brownsville, TX -- 14
31. 2003 -- June 29, Apartment Building Balcony Collapse, Lincoln Park, Chicago, IL -- 13
32. 2021 -- June 24, Champlain Towers South condo structural failure/collapse, Surfside, FL--97
- Other:** (Fewer than ten fatalities.)
- 1904 -- Sep 23, School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH -- 9

STRUCTURAL FAILURES -- Subset -- CONSTRUCTION WORK -- By Mortality

1. 1978 -- Apr 27, scaffold collapses, Monongahela Power Co., Willow Island, WV -- 51
2. 1973 -- Feb 10, fire/gas explos./LNG tank concrete roof falls, Staten Island NY²⁴⁸⁸ -- 40
3. 1892 -- June 15, bridge under construction over Licking Riv. collapses, Covington KY--27-31
4. 1987 -- Apr 23, construction collapse, L' Ambiance Plaza Apartments, Bridgeport, CT-- 28
5. 1880 -- July 21, tunnel construction blowout, Hudson & Manhattan (Hudson River) NY-- 21
6. 1893 -- Dec 15, crane/span fall, bridge construction, Louisville, KY/Jeffersonville, IN-- 21
7. 1864 -- July 20, structural collapse, Blockley Almshouse and Insane Asylum, Philly --16-18
8. 1895 -- Aug 13, construction collapse, Ireland Building, New York, NY -- 17
9. 1941 -- Dec 04, bridge construction collapse, Charter Oak Bridge, Hartford, CT -- 16
10. 1890 -- Jan 09, Bridge Caisson No. 1, floods, Ohio River, near Jeffersonville, IN -- 14
11. 1973 -- Mar 02, Skyline Plaza Apt. bldg. construction failure, Baileys Crossroads, VA-- 14

12. 1911 -- Mar 15, structural collapse, J.H. fall & Co. Bldg., 3rd Ave., Nashville, TN -- 13
13. 1982 -- Apr 15, construction failure, Indiana Highway Ramp, East Chicago, IL -- 13
14. 1981 -- Mar 27, construction failure, Harbour Cay Condominium, Cocoa Beach, FL -- 11
15. 1877 -- May 11, unfinished court-house walls fail, killing workers, Rockford IL -- 10
16. 1891 -- Dec 04, wall falls, previously fire-damaged Shepard building, St. Paul, MN²⁴⁸⁹-- ~10
17. 1903 -- Oct 19, ropes break, Wabash Railroad Bridge construction, Pittsburgh, PA -- 10
18. 1911 -- June 30, collapse of pumping station roof, under construction, Buffalo, NY -- 9-10
19. 1916 -- May 15, dynamite blast, adjacent site, Crystal Rest. collapses, Akron, OH ²⁴⁹⁰ -- 9-10
20. 1937 -- Feb 17, construction scaffolding collapse, Golden Gate Bridge, San Fran., CA-- 10
21. 1956 -- Oct 03, building collapse (under const.), Consumers Power Co., Jackson, MI -- 10

Other: (Fewer than ten fatalities.)

- 1979 -- Aug, construction failure, Rosemont Horizon Arena, Chicago, IL -- 5
- 1971 -- Jan 25, construction failure, 16-story apartment building, Boston, MA -- 4

²⁴⁸⁸ Cross-listed in Explosions and in Fires. This was an LNG tank which was being cleaned and worked-on. A flash fire called a residual gas explosion which caused the tank concrete ceiling to fall onto workers.

²⁴⁸⁹ Approximately fifteen workmen were working near a wall of building that had burned about two-weeks before.

²⁴⁹⁰ Cross-listed in Explosions. This was a construction-site dynamite blast, which caused a faultily-constructed structure next-door to collapse.

Structural Failures subset – DAM, DIKE and LEVEE Failures Subset²⁴⁹¹ – By Fatalities

1. 1889 -- May 31, South Fork Dam Failure, Flood, Fire, Johnstown, PA* --2,209-3,188
2. 2005 -- Aug 29, Levee Failure due to Hurricane Katrina, New Orleans, LA --1,253
3. 1913 -- Mar 23-27, Ohio Valley Flooding/dam/levee failures, esp. OH, IN, IL²⁴⁹² --700-732
4. 1927 -- Late March-July, flooding, levee breaks upper and esp. lower MS River* --246-500
5. 1928 -- Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA* --370-431
6. 1892 -- June 5, Dam Failure, Oil Fire, Titusville, Oil City, PA²⁴⁹³ -- 350
7. 1912 -- Mar-Apr, Flooding/Levee Failures, MS Riv., IL, TN, MS, KY, AR, MO, LA*-- 245
8. 1972 -- June 9-10, Downpour/Dam Failure/Flash Flood, Black Hills, Rapid City, SD-236-238
9. 1927 -- Nov 2-4, New England Flooding, Sharon Dam Fails, Winooski River, VT²⁴⁹⁴ -- 200
10. 1913 -- Dec 1-5, TX Floods/Levee Failures, Brazos, Other Valleys, Cent., East TX* -- 187

11. 1862 -- June 4/5, Great Flood of '62, Flooding & Dam Failures, Lehigh River, PA* -- ~150
12. 1911 -- Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA* --78-149
13. 1874 -- May 16, Mill River Reservoir Dam Fails, 4 villages, esp. Williamsburg MA -- 138-139
14. 1972 -- Feb 26, Impoundment Dam Failure, Buffalo Creek Mining Co., Saunders WV*-- 125
15. 1921 -- June 2, Arkansas River Levee Failures, Pueblo County, CO* -- 120
16. 1890 -- Feb 22, Dam Failure, Walnut Grove, AZ* -- 100
17. 1977 -- July 20, Dam Failures, Flash Floods, Johnstown & Tanneryville, PA* -- 84
18. 1955 -- Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA* -- 76
19. 1916 -- Jan 14-30, heavy rain, Southern CA flooding, Lower Otay Dam failure* --22-60
20. 1850 -- Sep 02, rainstorm, Mauch Chunk Dam fails, flood, Tamaqua, Pottsville PA* -- ~54
21. 1965 -- Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA²⁴⁹⁵ -- ~50
22. 1876 -- July 04, storm, flash flood, dam failure, Rockdale, IA* --41-42
23. 1977 -- Nov 06, heavy rain, Kelly Barnes Dam failure, Toccoa Falls Bible College, GA-- 39
24. 1916 -- Aug 02-03, cloudburst, Mill Dam fails, flash flood, ~New Tazewell, TN* --27-38
25. 1964 -- June 8, rain/Swift & Two Medicine dams fail/flooding, esp. Blackfeet Res., NW MT--34-35
26. 1898 -- Apr 03, levee fails, flash flood, Shawneetown, IL* --25-33
27. 1900 -- Apr 07, heavy rain, Austin (McDonald) Dam failure/flooding, Austin, TX* -- ≥24
28. 1903 -- July 05, cloudburst, dam failure, flood, Oakford Park (~Pittsburgh), PA* --20-23
29. 1906 -- Dec 3, rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ --18-20
30. 1924 -- Dec 24, Mathieson Alkali Works "Muck" dam fails, Palmertown/Saltville, VA-- 19
31. 1840 -- Apr 13, downpour, flooding, dams fail, esp. Pocasset River, Simmonsville, RI*-- 18
32. 1948 -- May 30, flooding, dikes collapse, Columbia River, esp. Vanport City, OR* -- ≥15
33. 1994 -- July 04-10, Tropical Storm Alberto flooding, dam failures, Americus, GA²⁴⁹⁶ -- ≥15
34. 1986 -- Feb 11-24, heavy rain, flooding, levee failures, Northern CA, NV* -- 14
35. 1869 -- Jan 31, dam failures and flood, Upper/Lower Kohanza/Flint, Danbury, CT* --11-13
36. 1976 -- June 05, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho* --11-12

²⁴⁹¹ An asterisk following the description indicates a cross-listing in Floods

²⁴⁹² Only a subset of fatalities can be attributed to the failures of dams, dikes and levees. Cross-listed in Flooding.

²⁴⁹³ Cross-listed in Fire, Structural, and in Flooding

²⁴⁹⁴ Cross-listed in Flooding; some of the flooding fatalities were attributable to the Sharon Dam failure.

²⁴⁹⁵ This is our guesstimate. There were 81-87 fatalities in LA, on the order of 50 of them in New Orleans from drowning. Most of the drownings took place due to the very rapid rise of water when nearby levees breached.

²⁴⁹⁶ Cross-listed in Flooding and in Hurricanes/Tropical Storms. There were 34-37 total deaths. At least 15 of these were attributable to flash flooding in Americus, GA after the failure of a series of earthen dams in the area.

Other: (Fewer than ten fatalities.)

1886 -- Apr 20, rain, Mud Pond Reservoir Dam/Mt. Lake fails/flood, East Lee, MA -- 7

Structural Failures subset – DAM, DIKE and LEVEE Failures Subset – Chronological²⁴⁹⁷

1. 1840 -- Apr 13, Downpour, Flooding, Dams Fail, esp. Pocasset Riv. Simmonsville, RI*-- 18
2. 1850 -- Sep 02, Rainstorm, Mauch Chunk Dam Fails, Flood Tamaqua, Pottsville PA* -- ~54
3. 1862 -- June 4/5, Great Flood of '62, Flooding & Dam Failures, Lehigh River, PA* -- ~150
4. 1869 -- Jan 31, Dam Failures/Flood, Upper & Lower Kohanza, Flint's, Danbury, CT* --11-13
5. 1874 -- May 16, Mill River Reservoir Dam Fails, 4 villages, esp. Williamsburg MA--138-139
6. 1876 -- July 04, Storm, Flash Flood, Dam Failure, Rockdale, IA* --41-42
7. 1889 -- May 31, South Fork Dam Failure, Flood, Fire Johnstown, PA* --2,209-3,188
8. 1890 -- Feb 22, Dam Failure, Walnut Grove, AZ* -- 100
9. 1892 -- June 5, Dam Failure, Oil Fire, Titusville, Oil City, PA²⁴⁹⁸ -- 350
10. 1898 -- Apr 03, Levee Fails, Flash Flood, Shawneetown, IL* --25-33
11. 1900 -- Apr 07, Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX* -- ≥24
12. 1903 -- July 05, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA* --20-23
13. 1906 -- Dec 03, Rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ --18-20
14. 1911 -- Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA* --78-149
15. 1912 -- Mar-Apr, Flooding/Levee Failures, MS Riv., IL, TN, MS, KY, AR, MO, LA*-- 245
16. 1913 -- Mar 23-27, Ohio Valley Flooding/dam/levee failures, esp. OH, IN, IL²⁴⁹⁹ --700-732
17. 1913 -- Dec 1-5, TX Floods/Levee Failures, Brazos, Other Valleys, Cent., East TX* -- 187
18. 1916 -- Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure* --22-60
19. 1916 -- Aug 2-3, Cloudburst, Mill Dam Fails, Flash Flood, ~New Tazewell, TN* --27-38
20. 1921 -- June 2, Arkansas River Levee Failures, Pueblo County, CO* -- 120
21. 1924 -- Dec 24, Mathieson Alkali Works "Muck" dam fails, Palmertown/Saltville, VA-- 19
22. 1927 -- Late March-July, flooding, levee breaks upper and esp. lower MS River* --246-500
23. 1927 -- Nov 2-4, New England Flooding, Sharon Dam Fails, Winooski River, VT²⁵⁰⁰ -- 200
24. 1928 -- Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA* --370-431
25. 1948 -- May 30, Flooding, Dikes Collapse, Columbia River, esp. Vanport City, OR* -- 55
26. 1955 -- Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA* -- 76
27. 1964 -- June 8, rain/Swift & Two Medicine dams fail/flooding, esp. Blackfeet Res., NW MT--34-35
28. 1965 -- Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA²⁵⁰¹ -- ~50
29. 1972 -- Feb 26, Impoundment Dam Failure, Buffalo Creek Mining, Saunders, WV* -- 125
30. 1972 -- June 9-10, Downpour/Dam Failure/Flash Flood, Black Hills, Rapid City, SD --236-238
31. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho* --11-12
32. 1977 -- July 20, Dam Failures, Flash Floods, Johnstown & Tanneryville, PA* -- 84
33. 1977 -- Nov 6, heavy rain, Kelly Barnes Dam Failure, Toccoa falls Bible College, GA-- 39
34. 1986 -- Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV* -- 14
35. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, Americus, GA²⁵⁰² -- ≥15
36. 2005 -- Aug 29, Levee Failure due to Hurricane Katrina, New Orleans, LA* --1,253

²⁴⁹⁷ If followed by an asterisk, cross-listed in Flooding.

²⁴⁹⁸ Cross-listed in Fire, Structural, and in Flooding

²⁴⁹⁹ Only a subset of fatalities can be attributed to the failures of dams, dikes and levees. Cross-listed in Flooding.

²⁵⁰⁰ Cross-listed in Flooding; some of the flooding fatalities were attributable to the Sharon Dam failure.

²⁵⁰¹ This is our guesstimate. There were 81-87 fatalities in LA, about 50 of them, if not more, in New Orleans from drowning. Most of the drownings took place due to the very rapid rise of water when nearby levees breached.

²⁵⁰² Cross-listed in Flooding and in Hurricanes/Tropical Storms. There were 34-37 total deaths. At least 15 of these were attributable to flash flooding in Americus, GA after the failure of a series of earthen dams in the area.

Other: (Fewer than ten fatalities.)

1886 -- Apr 20, Rain, Mud Pond Reservoir Dam/Mt. Lake Fails/Flood, East Lee, MA-- 7

Structural Failures Subset – Other (Bonfire Stack, Bridge, Dock/Gangplank/Pier/Wharf, Stadium Stands, Tank) -- By Mortality

1. 1883 -- July 23, Pier Fails, North Point, Tivoli Park, Baltimore, MD --63-70
2. 1912 -- Jun 23, Pier/Dock Collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
3. 1980 -- May 9, *Summit Venture hits Sunshine Skyway Bridge*, Collapse, Tampa FL²⁵⁰³-- 35
4. 1856 -- July 01, Wharf Fails, Reed Street, Delaware River, Philadelphia, PA --10-20
5. 1919 -- Jan 15, Molasses Tank Failure, US Industrial Alcohol Co., Boston, MA -- 21
6. 1899 -- Aug 06, Gangplank Fails, Drowning, Mount Desert Ferry ~ Bar Harbor ME -- 20
7. 2002 -- May 26, Barge hits Bridge, Span Collapse, Webbers falls, OK²⁵⁰⁴ -- 14
8. 1903 -- Aug 08, Bleacher Collapses, National Baseball Park, Philadelphia, PA -- 12
9. 1999 -- Nov 17/18, Bonfire Stack Failure, Texas A&M, College Station, TX -- 12
10. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM²⁵⁰⁵ -- 12
11. 1868 -- July 04, drawbridge/plank to boat at wharf gives way, drownings, Oakland, CA-- ≥11
12. 1913 -- Jun 30, Walkway/Gangway failure, drownings, Merrimac River, Lawrence, MA-- 11
13. 1972 -- Nov 7, *Freighter Hits Sidney Lanier Bridge*, Span Collapse, Brunswick GA²⁵⁰⁶-- 10

²⁵⁰³ Cross-listed under Maritime and Road/Highway. More of a knock-down than a failure.

²⁵⁰⁴ Cross-listed under Maritime and Road/Highway

²⁵⁰⁵ Cross-listed in Explosions and in Fires-Structural.

²⁵⁰⁶ Cross-listed under Maritime and Road/Highway. More of a knock-down than a failure.

Structural Failures Subset – Other (Bonfire Stack, Bridge, Dock/Gangplank/Pier/Wharf, Stadium Stands, Tank) -- Chronological

1. 1856 -- July 01, wharf fails, Reed Street, Delaware River, Philadelphia, PA --10-20
2. 1868 -- July 04, drawbridge/plank to boat at wharf gives way, drownings, Oakland CA-- ≥11
3. 1883 -- July 23, pier fails, drownings, North Point, Tivoli Park, Baltimore, MD --63-70
4. 1899 -- Aug 06, gangplank fails, drownings, Mount Desert Ferry near Bar Harbor, ME-- 20
5. 1903 -- Aug 08, bleacher collapses, National Baseball Park, Philadelphia, PA -- 12
6. 1912 -- June 23, pier/dock collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
7. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA-- 11
8. 1919 -- Jan 15, molasses tank failure, US Industrial Alcohol Co., Boston, MA -- 21
9. 1972 -- Nov 7, Sidney Lanier Bridge span collapse, freighter hit, Brunswick GA²⁵⁰⁷ -- 10
10. 1980 -- May 9, *Summit Venture* hits Sunshine Skyway Bridge, collapse, Tampa FL²⁵⁰⁸-- 35
11. 1999 -- Nov 17/18, bonfire stack failure, Texas A&M, College Station, TX -- 12
12. 2000 -- Aug 19, El Paso Natural Gas Pipeline rupture and fire, Carlsbad, NM²⁵⁰⁹ -- 12
13. 2002 -- May 26, barge hits bridge, span collapse, Webbers falls, OK²⁵¹⁰ -- 14

²⁵⁰⁷ Cross-listed under Maritime and Road/Highway.

²⁵⁰⁸ Cross-listed under Maritime and Road/Highway.

²⁵⁰⁹ Cross-listed in Explosions and in Fires-Structural.

²⁵¹⁰ Cross-listed under Maritime and Road/Highway

TAINTED FOOD, DRUGS and MEDICATIONS (unintentional) -- By Mortality

1. 1924-25 -- Nov-Feb, typhoid fever from West Sayville, LI, NY contaminated raw oysters--~150
 2. 1937 -- Sep-Oct, Elixir Sulfanilamide med. poisoning when diethylene glycol added-105-106
 3. 1985 -- Apr-July 28, Listeria food poisoning; unpasteurized milk contaminated cheese, esp. LA Co., CA²⁵¹¹-85-95
 4. 1941 -- Sulfathiazole Winthrop Poisoning (tablets contaminated with phenobarbital) -- \geq 82
 5. 1800 -- July-Oct smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA²⁵¹²--68
 6. 2012 -- Fungal meningitis outbreak from tainted steroid injections, esp. MI/19 TN/16 -- 64
 7. 1911 -- May, Septic sore throat (from hemolytic streptococcus in milk), Boston, MA --38-48
 8. 1942 -- Nov 18, Sodium fluoride poisoning, patients/staff, OR State Hosp., Salem, OR-- 47
 9. 2011 -- Aug-Oct, Listeriosis food poisoning; cantaloupes; packing facility ~Holly, CO-- 33
 10. 1922 -- Mar 24-Apr 24, Septic Sore Throat epidemic; contaminated milk, Portland, OR-- 22

 11. 1998 -- Aug-Feb 1999 -- Listeria tainted hot dog and deli meat food poisoning deaths -- 21
 12. 1919 -- Late Aug-Oct 18, Botulism, canned Cal. Olives, Canton OH, Detroit MI, Java MT--17-19
 13. 1901 -- Oct 19-Nov 7, Tetanus tainted (horse blood) diphtheria antitoxin, St Louis, MO-- 13
 14. 1924 -- Feb 2, Food Poisoning (botulism, home-canned green beans) ~Albany, OR -- 12
 15. 1940 -- Nov 11, Roach-killer tainted pancakes food poisoning, Salvation Army Ctr., Pittsburgh PA--12
 16. 2002 -- July-Sep, Food poisoning Listeriosis outbreak, sliceable turkey deli meat -- 7-10
- Other:
- 1901 -- Nov, Tetanus-tainted smallpox vaccination deaths, Camden, NJ -- 9
 - 2008 -- Sep-March, 2009; Salmonella food poisoning; peanut butter; ID/MN/NC/OH/VA-- 9

²⁵¹¹ All deaths are associated with contaminated from one cheese producer, Jalisco, in Los Angeles County, which, with at least 43 deaths, out of 85 in California, had the highest number of deaths. There were at least ten deaths in several other states from the same source. About half of all deaths were stillborns or miscarriages.

²⁵¹² Cross-listed in Diseases.

TAINTED FOOD, DRUGS and MEDICATIONS (unintentional) -- Chronological

1. 1800 -- July-Oct smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA²⁵¹³--68
2. 1901 -- Oct 19-Nov 7, Tetanus tainted (horse blood) diphtheria antitoxin, St Louis, MO-- 13
1901 -- Nov, Tetanus-tainted smallpox vaccination deaths, Camden, NJ -- 9
3. 1911 -- May, Septic sore throat (from hemolytic streptococcus in milk), Boston, MA --38-48
4. 1919 -- Late Aug-Oct 18, Botulism, canned Cal. Olives, Canton OH, Detroit MI, Java MT-17-19
5. 1922 -- Mar 24-Apr 24, Septic Sore Throat epidemic; contaminated milk, Portland, OR-- 22
6. 1924 -- Feb 2, Food Poisoning (botulism, home-canned green beans) ~Albany, OR -- 12
7. 1924-25 -- Nov-Feb, typhoid fever from West Sayville, LI, NY contaminated raw oysters--~150
8. 1937 -- Sep-Oct, Elixir Sulfanilamide med. poisoning when diethylene glycol added-105-106
9. 1940 -- Nov 11, Roach-killer tainted pancakes food poisoning, Salvation Army Ctr., Pittsburgh PA--12
10. 1941 -- Sulfathiazole Winthrop Poisoning (tablets contaminated with phenobarbital) -- ≥82
11. 1942 -- Nov 18, Sodium fluoride poisoning, patients/staff, OR State Hosp., Salem, OR-- 47
12. 1985 -- Apr-July 28, Listeria food poisoning; unpasteurized milk contaminated cheese, esp. LA Co., CA²⁵¹⁴-85-95
13. 1998 -- Aug-Feb 1999 -- Listeria tainted hot dog and deli meat food poisoning deaths -- 21
14. 2002 -- July-Sep, Food poisoning Listeriosis outbreak, sliceable turkey deli meat -- 7-10
2008 -- Sep-March, 2009; Salmonella food poisoning; peanut butter; ID/MN/NC/OH/VA-- 9
15. 2011 -- Aug-Oct, Listeriosis food poisoning; cantaloupes; packing facility ~Holly, CO-- 33
16. 2012 -- Fungal meningitis outbreak from tainted steroid injections, esp. MI/19 TN/16 -- 64

²⁵¹³ Cross-listed in Diseases.

²⁵¹⁴ All deaths are associated with contaminated from one cheese producer, Jalisco, in Los Angeles County, which, with at least 43 deaths, out of 85 in California, had the highest number of deaths. There were at least ten deaths in several other states from the same source. About half of all deaths were stillborns or miscarriages.

TORNADOES / Tornadic-like– Deadliest American -- By MORTALITY

1. 1925 -- Mar 18, tornadoes, esp. Tri-State Tornado (IL/IN/MO) 695; AL/KY/TN --740-792
1842 -- June 16, tornado, Adams County, MS -- do not think this happened -- 500
2. 1884 -- Feb 19-20, Enigma SE tornadoes, AL, GA, KY, LA, MS, NC, SC, VA --178-420
3. 1932 -- Mar 21-22, “Deep South” tornadoes, AL \geq 268, GA/37, KY/2, SC/3, TN/22 --332-350
4. 2011 -- Apr 27, tornadoes, storms, flash floods, AL, AR, MS, TN, GA, VA, KY --341-350
5. 1974 -- Apr 03-04, tornadoes, esp. AL/GA/IL/IN/KY/MI/NC/OH//TN/VA/WV --294-342
6. 1908 -- Apr 23-25, tornadoes, AL/37-38, AR/6, GA/30, LA/85, MS/ \leq 139, NE, TX/8 -- 324
7. 1840 -- May 07, tornado, Natchez, and on the MS river (e. g. *Hinds*); LA Plantations -- \geq 318
8. 1896 -- May 27, tornadoes IL and MO. Particularly St. Louis, MO -- 306
9. 1965 -- Apr 11, storms/Palm Sunday tornado outbreak, IL/IN/IA/MI/OH/WI --260-271
10. 1936 -- Apr 05, tornadoes, AL/8, AR/1, MS/224-233, TN/16, esp. Tupelo, MS --249-258

11. 1920 -- Apr 20, tornados, MS (131), AL (92) -- 223
12. 1952 -- Mar 21-22, tornadoes, AL/4, AR/110-112, MS/9, MO/17, TN/72-75 --212-217
13. 1927 -- May 09, tornadoes, AR/70, MO/93 (esp. Poplar Bluff/83), TX/40, IL/7, LA/1 -- \geq 211
14. 1936 -- Apr 6, tornadoes and fires (esp. Cooper Pants Factory), Gainesville, GA²⁵¹⁵ -- 203
15. 1913 -- Mar 23, Easter Sunday tornados, LA, MO, esp. Omaha, NE, IN, IA --194-196
16. 1947 -- Apr 09, tornadoes, Glazier, Higgins TX/69; OK/113-116, esp. Woodward/107 --181-185
17. 1860 -- June 3, tornadoes, IA/117, esp. Camanche/~42, Albany area, IL/31, MS Riv./23--171-175
18. 1880 -- Apr 18, tornadoes, AR/10, IL/KS/OK 1 ea., MO/152, esp. Marshfield MO/99-- 165
19. 2011 -- May 22, tornado, Joplin, MO --159-163
20. 1916 -- June 5, tornado outbreak, AR, IL, MO, MS, TN --76-160
21. 1890 -- Mar 27, tornadoes, MO-IL, IL, MO-KY, MO-IL, KY-IL-KY, TN, KY --113-156
22. 1920 -- Mar 28, Palm Sunday tornadoes, esp. GA/37 OH/29 IL/28 IN/28 AL/18, MI/13 -- 154
23. 1944 -- June 23, Appalachian tornadoes, WV/103 (esp. Shinnston area), MD/5 PA/45 -- 153
24. 1909 -- Apr 29, tornadoes, AL, AR, IL, MS, MO, TN --132-146
25. 1942 -- Mar 16, tornadoes, IL, KY, MS, TN, AL, IN -- 145
26. 1953 -- June 08, tornadoes, MI/125 (especially Flint/115), OH/18 -- 143
27. 1920 -- Apr 20, tornadoes, MS -- 131
28. 1945 -- Apr 12, tornadoes, OK/102 (Antlers/69; Muskogee Co./13), AR/21, MO/5 -- 128
29. 1953 -- May 11, tornadoes, Tom Green and McLennan Counties (Waco/114), TX -- 127
30. 1971 -- Feb 21, tornadoes, Delhi LA/11; MS/110, esp. Pugh City/22, Inverness/19, Cary/14-- 121
31. 1875 -- Mar 20, SE tornado outbreak, especially GA, also AL, NC, SC --93-120
32. 1905 -- May 10, F5 tornado, Lock hamlet & esp. Snyder, Kiowa Co. & area, OK --97--120
33. 1899 -- June 12, tornado New Richmond, St. Croix County, WI -- 119
34. 1902 -- May 18, TX tornado outbreak, esp. Goliad, TX -- 118
35. 1903 -- June 01, tornado, Gainesville (includes former mill village of New Holland), GA--98-113
36. 1955 -- May 25, KS/OK tornadoes, esp. Udall/77, Cheyenne/5, KS; Blackwell, OK/20-- 104
37. 1917 -- May 26, tornado, 7 counties, especially Coles County (Mattoon), IL -- 101
38. 1860 -- May 21, tornado, Louisville, KY to Portsmouth, OH -- 100
39. 1882 -- June 18, tornado, Grinnell, Iowa -- 100
40. 1875 -- May 1, tornadoes, AL, GA, SC --86-99
41. 1953 -- June 9, F4 tornado; Worcester/60, Holden/9, Shrewsbury/12, Westborough/6, MA -- 94

²⁵¹⁵ Cross-listed in Fire-Structural. Approximately 40-70 people died in the Pants Factory fire.

42. 1920 -- Apr 20, tornadoes, AL -- 92
 43. 2021 -- Dec 10, tornadoes and severe weather, AR/2, IL/6, KY/76, MO/2, TN/5 -- ≥91

TORNADOES – Deadliest American -- By MORTALITY – (continued):

44. 1924 -- June 28, OH tornadoes, Portage Co./3, Sandusky/9, esp. Lorain/>64, OH -- ≥89
 45. 1933 -- Mar 30/31, tornado outbreak/high winds, AL/2, AR/1, LA/11, MS/56, TX/18 -- 88
 46. 1927 -- Sep 29, tornadoes, St. Louis City/County, MO/78; Madison Co. IL/7, AR/1 -- 86
 47. 1883 -- Apr 22, tornado, MS -- 81
 48. 1930 -- May 06, tornadoes, TX -- 81
49. 1886 -- Apr 14, tornadoes, Sterns/Benton (Sauk Rapids)/Morrison Counties, MN -- 79
 50. 1913 -- Mar 13/14, tornado outbreak, AL, AR, GA, LA, MS, TN, TX -- 78
 51. 1985 -- May 31, tornadoes, OH (11 fatalities) and PA (65-67 fatalities) --76-78
 52. 1909 -- Oct 14, tornado outbreak, esp. AL (11-21), AR (2), GA (1-2), TN (42-50) --56-75
 53. 1927 -- Apr 12, tornado, Rock Springs, TX -- 74
 54. 1896 -- May 15, Sherman, Texas tornado -- 73
 55. 1893 -- July 06, tornado, Cherokee/Buena Vista/Pocahontas/Calhoun counties, IA -- 71
 56. 1920 -- May 02, tornado, Peggs, Cherokee County, OK -- 71
 57. 1968 -- May 15, tornado outbreak, esp. AR/45, IA/18, IL/8; also, IN, KS, OH, MO -- 71
58. 1900 -- Nov 20, tornado, MS, TN -- 69
 59. 1872 -- Jun 17, F5 tornado, Greene, Boone Story, Marshall, Jasper, Poweshiek, IA -- 68
 60. 1909 -- Mar 08, tornadoes, AR -- 67
 61. 1917 -- May 27, tornado, TN, KY -- 67
 62. 1917 -- May 30, tornadoes (8), MO -- 67
 63. 1924 -- Apr 30, tornadoes, SC -- 67
 64. 1984 -- Mar 28, tornadoes and severe weather, NC (42-44) and SC (21) --63-65
 65. 1894 -- Sep 21, tornado outbreak (5) IA and MN -- 63
 66. 1899 -- Apr 27, tornado, Kirksville and Newtown, MO -- 63
 67. 2008 -- Feb 5-6, “Super Tuesday” tornado outbreak, AL, AR, KY, TN --62-63
 68. 1883 -- May 18, tornado outbreak, IL and WI -- 62
 69. 1921 -- Apr 21, tornado, northeast TX and AR -- 61
 70. 1942 -- Apr 27, tornadoes, Rogers, Mayes (Pryor), counties, OK --56-60
71. 1919 -- Jun 22, tornado, Fergus falls, Ottertail County, MN --50-59
 72. 1926 -- Nov 25, tornadoes, Thanksgiving Day, AR -- 58
 73. 1949 -- Jan 3, AR tornadoes, especially Warren (55), Bradley County, AR --57-58
 74. 1967 -- Apr 21, tornadoes, Northern IL, esp. Oak Lawn area (33) and Belvidere (24) -- 58
 75. 1966 -- Mar 03, tornado, Hinds/19 (Jackson), Rankin/6, Scott/26, Leake/6 counties, MS-- 57
 76. 1979 -- Apr 10, tornadoes, Red River Valley (especially Wichita falls, TX), OK, TX --56-57
 77. 1919 -- Apr 09, tornadoes, TX -- 56
 78. 1921 -- Apr 15, tornadoes, Miller, Hempstead, Pile, Yell, Pope Counties, AR -- 56
 79. 1898 -- Jan 11, tornado, Fort Smith, Arkansas -- 55
 80. 1898 -- May 18, tornadoes, IA, IL, WI -- 55
 81. 1929 -- Apr 10, tornado outbreak, AR -- 55

82. 1999 -- May 03, tornadoes (74; 58 in OK); KS (6 deaths) & especially OK (45) ²⁵¹⁶	--51-55
83. 1933 -- Mar 14, tornado outbreak, esp. Nashville, Pruden, Kingsport area, TN	--45-52
84. 1949 -- May 21, tornadoes, IL/9 deaths, IN/17, MO/25, esp. Cape Girardeau area/23	-- 51
85. 1892 -- June 15, tornado outbreak, Multiple Counties, MN	--40-50
86. 1908 -- May 13, tornado outbreak, Caddo, Bossier, & 5 other Counties, LA	-- 50
87. 1917 -- May 27-28, tornado outbreak (7), AL	-- 50

TORNADOES – Deadliest American -- By MORTALITY – (Cont.)

88. 1929 -- Apr 25, tornado outbreak, GA	-- 49
89. 1896 -- May 25, tornado outbreak, IL and MI	-- 47
90. 1917 -- Mar 23, tornadoes, IL, Jefferson Co., KY, esp. New Albany, Floyd Co., IN	-- 46
91. 2011 -- Apr 14-16, storms, wind, tornadoes, flash floods, AL, AR, MS, NC, OK, VA	-- 46
92. 1957 -- May 20, tornado, KS/6 & KC MO suburbs/33, esp. Hickman Mills-Ruskin Heights--39-44	--39-44
93. 1884 -- Mar 25, storm system spawns tornadoes, Al, GA, SC, NC, KY, IN, OH	--30-43
94. 1945 -- Feb 12, tornadoes, AL/38 (esp. Montgomery and Sumter counties) and MS/5	-- 43
95. 1948 -- Mar 19, tornadoes, MO/4, KY/2, OH/4, IL/33, especially Bunker Hill/19	-- 43
96. 1919 -- Mar 16, tornado outbreak, LA and MS, especially Isola, MS	-- 42
97. 1950 -- Feb 11-13, tornadoes. Feb 11-12: TX (8) and LA (25). Feb 13: TN (9)	-- 42
98. 1998 -- Feb 22-23, tornadoes, Orange, Osceola, Seminole, Volusia Counties, FL	-- 42
99. 1879 -- May 30, tornadoes, MO, KS, NE	-- >40
100. 1880 -- May 28, tornado, Fannin County, TX	-- 40
101. 1883 -- Aug 21, tornado outbreak, MN	-- 40
102. 1994 -- Mar 27, tornadoes, esp. Cherokee/20, Pickens/9, Lumpkin/3 counties, AL`	-- 40
103. 1944 -- Apr 10, tornadoes, AR	-- 39
104. 2012 -- Mar 02, tornadoes, Midwest and South, esp. AL, GA, IN, KY, OH, TN	-- 39
105. 1953 -- Dec 05, F5 tornado, Warren County, MS, especially Vicksburg, MS	-- 38
106. 2003 -- May 04, tornadoes, SE KS (8) MO (19) TN (11) esp. Denmark area	-- 38
107. 1884 -- Feb 19, tornadoes, MS-AL, AL-GA, KY, GA-SC	-- 37
108. 1893 -- Apr 25, tornado, Cleveland, Grady, Logan, McClain, Payne Counties, OK	-- 37
109. 1904 -- Jan 22, tornado, Hale-Tuscaloosa Counties (Moundville), AL	-- 37
110. 2014 -- Apr 27-28, tornadoes, AR, OK, IA, AL, MS, TN, especially AR and MS	-- 37
111. 1918 -- Aug 21, tornado, Brookings County SD / Lincoln, Lyon Counties, MN	-- 36
112. 1933 -- May 09, tornado, Monroe/Cumberland/Adair/Russell, KY	-- 36
113. 1936 -- Apr 02, tornado, Crisp County (especially Cordele), GA	-- 36
114. 1933 -- May 10, tornado, Overton/Pickett, TN	-- 35
115. 1942 -- June 12, tornado, Oklahoma County, OK	-- 35
116. 1947 -- June 01, tornado, F4, Jefferson County, especially Pine Bluff area, AR	-- 35
117. 1878 -- Aug 09, tornado, Wallingford, New Haven County, CT	--27-34
118. 1905 -- May 08, tornado, McPherson and Saline Counties, KS	-- 34
119. 1909 -- May 30, tornado, Brown County, TX	-- 34
120. 1913 -- Mar 21, tornadoes (5), AL	-- 34
121. 1917 -- June 05, tornado, Cooper/Boone/Audrain/Wright/Ray/Carroll counties, MO	-- 34

²⁵¹⁶ We show range of 51-55 because while we have a National Weather Service source noting 55 fatalities we note other NWS and NOAA sources noting 45-46. Have identified fifty-one deaths, including five indirect fatalities.

- 122. 1924 -- Sep 21, tornadoes, WI -- 34
- 123. 1933 -- May 01, tornadoes (2), Webster/Bienville/Claiborne, LA -- 34
- 124. 1998 -- Apr 08, tornadoes, Oak Grove, Moody Counties, Birmingham, AL -- 34
- 125. 2002 -- Nov 10, tornado outbreak, AL (12) MS (1) OH (5) PA (1) TN (15) -- 34
- 126. 2020 -- Apr 13, storms/tornadoes, esp. LA, AR (1), MS (12), GA/8, SC/9, NC/1, TN/3-- 34

TORNADOES – Deadliest American -- By MORTALITY – continued:

- 127. 1921 -- Feb 10, tornado, Oconee and Gardner (Washington County), GA -- 32
- 128. 1938 -- Sep 29, tornado, Charleston County, SC -- 32
- 129. 1939 -- Apr 16, tornadoes, Drew, Cleveland, Jefferson Counties, AR -- 32
- 130. 1960 -- May 05, OK tornado outbreak, multiple locales, especially Wilburton (13) OK-- 32
- 131. 1969 -- Jan 23, tornado, esp. Copiah/11, Simpson/12, Smith/9 Counties, central MS -- 32
- 132. 2023 -- Mar 31, tornadoes, deaths in 7 states; AL/1, AR/5, IL/4, IN/5, MS, TN/15, DE-- 32

- 133. 1982 -- Apr 2, tornadoes, AR/IL/IA/KS/LA/MS/NE/OK/TN/TX esp. AR/15, MS/3, MO/2 TX/11--31

- 134. 1814 -- Aug 25, tornado, Washington, D.C. -- <30
- 135. 1818 -- Aug 15, tornado, Stafford County, VA to Charles County, MD -- 30
- 136. 1876 -- July 04, tornadoes, Warren and Madison counties, IA -- >30
- 137. 1888 -- Feb 19, tornado, F4, Mount Vernon, Jefferson County, IL --24-30
- 138. 1912 -- Apr 21, tornadoes (6), IL, IL-IN, IN -- 30
- 139. 1924 -- May 26, tornadoes, MS -- 30
- 140. 1946 -- Jan 04, TX tornadoes, esp. Clawson/3, Nacogdoches/10, Palestine/15 areas, east TX-- 30
- 141. 1987 -- May 22, tornado, Saragosa, Reeves County, TX -- 30
- 142. 2006 -- Apr 02, tornadoes, high-wind storms, AR, IL, IN, MO, esp. NW TN --29-30

- 143. 1887 -- Apr 21, tornado, Anderson, Linn Counties, KS; Bates County, MO -- 29
- 144. 1912 -- Apr 27, tornadoes, seven Counties, OK -- 29
- 145. 1942 -- Oct 29, tornado, Carroll County, AR -- 29
- 146. 1990 -- Aug 28, F5 tornado, Kendall and Will Counties (especially Plainfield), IL -- 29
- 147. 1997 -- Mar 01, tornadoes; especially AR (27 deaths) MS (1 death) and TN (1)²⁵¹⁷ -- 29
- 148. 1997 -- May 27, tornadoes, Jarrell (Williamson Co.); Lakeway (Travis Co.) TX --28-29

- 149. 1890 -- Aug 19, tornadoes, Berks, Carbon, Luzerne, Susquehanna Counties, PA -- 28
- 150. 1917 -- Mar 11, tornadoes, Newcastle/21, Millville/1, Hagerstown/2, IN, Cincinnati OH/4-- 28
- 151. 1958 -- June 04, tornadoes, esp. Colfax/15, Chippewa Falls/2, Fall Creek-Wien/4, WI-- 28

- 152. 1878 -- Apr 21, tornadoes, six Counties, IA -- 27
- 153. 1927 -- Feb 17, tornadoes, Sabine/Natchitoches/Red River, Tensas, LA -- 27

- 154. 1942 -- May 02, tornadoes (3), multiple counties, OK -- 26
- 155. 1970 -- May 11, F5 tornado, Lubbock, TX -- 26
- 156. 1992 -- Nov 21-23, tornadoes, GA/6 KY/1 MS/15 NC/2 SC/1 TN/1 -- 26
- 157. 2023 -- Mar 24, tornado & severe storms MS/25 & AL/1, especially Rolling Fork, MS-- 26

²⁵¹⁷ Includes one indirect electrocution death in Pulaski County, AR, on March 2, during clean-up; male, 35.

TORNADIES – Deadliest American -- By MORTALITY (continued):

158.	1854 -- Aug 27, tornado, Louisville, KY	--	25
159.	1882 -- May 08, tornadoes, Alfalfa, Johnston, and Pittsburg Counties, OK	--	25
160.	1887 -- Apr 22, tornadoes, near Clarksville, AR; ~Mt. Carmel, IN; Buena Vista, IL	--	25
161.	1892 -- Mar 31, tornadoes, Ottawa, Sumner, Sedgwick & other counties, KS	--	25
162.	1896 -- May 17, tornado, Palmer, Kansas to falls City, NE	--	25
163.	1901 -- Mar 25, tornado, Jefferson Co. (Birmingham/Avondale/Irondale), AL	--	16-25
164.	1933 -- May 05, tornadoes, AL	--	25
165.	1947 -- Apr 29, AR/9, MO/15-16, IL, IA tornadoes, especially Worth, MO (13-15)	--	24-25
166.	1956 -- Apr 15, tornado, Jefferson County, west and northwest Birmingham area, AL	--	25
167.	2005 -- Nov 6, tornado, Eastbrook Mobile Homes, Evansville & Warrick Co., IN ²⁵¹⁸	--	24-25
168.	1881 -- July 15, tornado outbreak, MN	--	24
169.	1924 -- May 26-27, tornadoes, AL	--	24
170.	1927 -- Mar 18, tornado, Carroll and Boone Counties, AR	--	24
171.	1949 -- Mar 26, tornadoes, esp. Lonoke/Clark/Prairie/Woodruff/Jackson counties, AR	--	18-24
172.	1964 -- Oct 03, tornado (spawned by Hilda), Larose, Lafourche Parish, LA ²⁵¹⁹	--	24
173.	2013 -- May 20, tornado, Moore, OK	--	24
174.	2020 -- Mar 02 (late)-3 rd (early), tornadoes, Central TN, esp. Putnam County/19	--	24
175.	1814 -- Jun 30, tornado sinks schooner USS <i>Alligator</i> , Port Royal Sound, SC ²⁵²⁰	--	23
176.	1893 -- Apr 28, tornado, Eastland County, TX	--	23
177.	1906 -- Mar 02, tornado, Meridian, Lauderdale County, MS	--	23
178.	1917 -- May 25, tornado, Sedgwick, Harvey, Marion Counties, KS	--	23
179.	1923 -- May 14, tornado, F5, Howard and Mitchell Counties, TX	--	23
180.	1930 -- Nov 19, tornado, Oklahoma County, OK	--	23
181.	1944 -- Apr 16, tornado, Franklin, Hart, Elbert, GA	--	23
182.	1955 -- Feb 1, tornadoes/strong winds, Commerce Landing school/20 & Lewisburg/3, NW MS	--	23
183.	1970 -- Apr 17-18, tornadoes, TX Panhandle, esp. Sherwood Shores, Donley Co., TX	--	22-23
184.	2019 -- Mar 03, tornadoes, esp. EF-4 Lee County (including Beauregard), AL	--	23
185.	1865 -- June 28, tornado, Viroqua, WI	--	22
186.	1929 -- May 02, tornadoes, VA	--	22
187.	1977 -- Apr 04, tornado, Jefferson County AL	--	22
188.	1991 -- Apr 26, tornadoes, KS (18 deaths); OK (4 deaths), esp. Andover area, KS	--	22
189.	2017 -- Jan 21 (MS/4) and Jan 22 (GA/16-17) tornadoes and high wind (FL/1) ²⁵²¹	--	21-22
190.	1846 -- May 07, tornado, Grenada, MS	--	21
191.	1896 -- May 24, tornado, Des Moines/Valeria, IA	--	21

²⁵¹⁸ The range has to do with whether sources cited include death of stillborn (8 months) Elaina Faith Warren, in Warrick County. Some sources note twenty-four fatalities, and some 25, including stillborn girl as the 25th.

²⁵¹⁹ Also included in Hurricane Hilda fatality count of 42.

²⁵²⁰ Cross-listed in Maritime

²⁵²¹ Range reflects Albany, GA boy, 2, still missing one month later. The FL death was attributed to high wind.

192.	1927 -- Apr 19, tornadoes, IL	-- 21
193.	1938 -- Feb 17, tornado, Cass, TX; Caddo, LA	-- 21
194.	1953 -- Apr 30, tornadoes, especially Warner Robins area, GA	--20-21
195.	1957 -- May 15, tornadoes, Lockney, Floyd County/1; Silverton, Briscoe Co./20, TX--	21
196.	1959 -- Feb 10, tornado, St. Louis City and County, MO	-- 21
197.	1989 -- Nov 15, tornado, Madison County, AL	-- 21
198.	2007 -- Feb 02, tornadoes, Lady Lake and Lake Mack, Lake County, Central FL	-- 21
199.	2008 -- May 10, tornadoes, Northeast OK and Southwest MO	-- 21

TORNADOES – Deadliest American -- By MORTALITY (Cont.)

200.	1883 -- May 28, tornadoes, ~Clay City, Clay Co., Edinburgh, Johnston Co., IN	--14-20
201.	1880 -- June 09, tornado, Wheeler's Grove, Pottawattamie County, IA	--14-20
202.	1903 -- Apr 03, tornadoes (2), Leesburg, Hopewell, Summit, AL	-- 20
203.	1923 -- Mar 11, tornado, Chester/Madison, TN	-- 20
204.	1930 -- May 18, tornadoes, Arkansas and Phillips Counties, AR	-- 20
205.	1936 -- Jan 18, tornadoes, AL (6 deaths), FL (7 deaths), GA (7 deaths)	-- 20
206.	1948 -- Mar 26, tornadoes, Clay/Putnam/Hendricks (esp. Coatesville)/Madison counties, IN--	20
207.	1956 -- Apr 3, MI tornadoes, especially Hudsonville/14, Standale/4, Benzie Co./2, MI--	20
208.	2013 -- May 31, tornadoes, flooding, Oklahoma City region, Central OK ²⁵²²	-- 20
209.	1858 -- May 31, tornado, Ellison, Warren County, IL	-- 19
210.	1918 -- May 21, tornadoes (7), 10 Counties, IA	-- 19
211.	1920 -- Apr 19, tornadoes, Yell/Logan/Johnson/Pope Counties, AR	-- 19
212.	1929 -- Feb 25, tornado, F4, Bolivar County, MS	-- 19
213.	1933 -- May 5, tornado, Anderson and Laurens Counties, SC	-- 19
214.	1941 -- Oct 26, tornadoes, Yell, Pope and Ashley Counties, AR	-- 19
215.	1947 -- Dec 31, LA-AR tornado, esp. Cotton Valley, LA/14, elsewhere LA/4 and AR/1--	19
216.	2000 -- Feb 13-14, Georgia tornadoes, esp. Camilla, Mitchell County, GA	-- 19
217.	1873 -- May 22, tornadoes, KS, IA, IL	-- 18
218.	1905 -- July 05, tornado, Montague County, TX	-- 18
219.	1917 -- May 27, tornado, MS, AR, TN	-- 18
220.	1919 -- Apr 08, tornado, F4, Collin and Fannin Counties, TX	-- 18
221.	1925 -- Oct 25, tornado, Pike-Bullock-Barbour-Crenshaw Counties, AL	-- 18
222.	1940 -- Feb 10, tornado, Dougherty County, GA	-- 18
223.	1944 -- Apr 16, tornadoes, Anderson/Abbeville/Newberry Counties, SC	-- 18
224.	1878 -- May 23, tornadoes, WI and Dane County, IA	-- 17
225.	1886 -- May 14, tornadoes, Mercer, Hardin, Hancock, and Wyandot counties, OH	-- 17
226.	1892 -- May 27, tornado, Barber, Harper, and Sumner Counties, KS	-- 17
227.	1903 -- Feb 17, tornado, steamer <i>Olive</i> sunk, Chowan River, Woodley's Pier, NC ²⁵²³ --	>17
228.	1903 -- Oct 03, tornadoes (3), MN-WI, WI, IL	-- 17

²⁵²² Two of the deaths were confirmed as drownings amongst group seeking safety in a storm drain. Not in this total are three flooding deaths in Missouri.

²⁵²³ Cross-listed in Maritime.

229.	1905 -- Mar 20, tornado, Chambers/Randolph Counties, AL; Heard County, GA	--14-17
230.	1906 -- Apr 26, tornado, Clay and Montague Counties, TX	-- 17
231.	1912 -- Apr 20, tornadoes (9), KS, OK, TX	-- 17
232.	1916 -- Dec 26, tornadoes (3), AR	-- 17
233.	1917 -- Jan 04, tornado, Vireton, OK	-- 17
234.	1923 -- Mar 15, tornadoes, Tunica, Tate, Desoto, Quitman, Panola Counties, MS	-- 17
235.	1926 -- Nov 09, tornado, Charles and Prince Georges Counties, MD	-- 17
236.	1953 -- Mar 13, tornado, northwest Haskell County to southern Knox County, TX	-- 17
237.	1962 -- Mar 31, tornado, Milton, Santa Rosa County, FL	-- 17
238.	1966 -- June 08, tornadoes, Topeka vicinity (16), and Leavenworth County (1), KS	-- 17
239.	2011 -- May 24, tornadoes, OK, KS, Ark	-- 17
240.	2015 -- Dec 23, storms and tornadoes, AR (1 death) MS (10 deaths) and TN (6)	-- 17

TORNADOES – Deadliest American -- **By MORTALITY** – Cont.

241.	1852 -- Apr 30, tornado, New Harmony, IN	-- 16
242.	1874 -- Nov 22, tornadoes, Colbert, Lauderdale, Shelby Counties, AL	--12-16
243.	1877 -- June 04, tornado, Mt. Carmel, Wabash County, IL	-- 16
244.	1879 -- July 02, tornadoes, IA, MN, WI	-- 16
245.	1893 -- Mar 23, tornado, Clarke/Desoto MS; Richland, LA; Shelby/Weakley, TN	-- 16
246.	1894 -- Mar 18, tornadoes, Harrison and Nacogdoches Counties, TX	--10-16
247.	1899 -- Mar 18, tornadoes (3), AL	-- 16
248.	1905 -- Apr 29, severe storm or tornado, Laredo, TX	-- 16
249.	1909 -- Apr 30, tornado outbreak, GA	-- 16
250.	1915 -- May 06, tornadoes, MS, LA, TN	-- 16
251.	1917 -- Feb 23, tornadoes, Hale, Perry, Elmore, Coosa, Clay Counties, AL	-- 16
252.	1924 -- Apr 30, tornado outbreak, GA	-- 16
253.	1933 -- May 22, tornadoes, OK, KS, NE, ND	-- 16
254.	1961 -- May 05, F4 tornado, Leflore County, OK, especially Howe (12 killed)	-- 16
255.	1978 -- Jun 17, tornado, Showboat <i>Whippoorwill</i> capsized, Pomona Lake, KS ²⁵²⁴	-- 16
256.	1984 -- Apr 21, MS (15-16) & TN tornadoes esp. Water Valley and Philipp, MS	--15-16
257.	1854 -- Jan, tornado, Louisville vicinity, KY	-- 15
258.	1881 -- June 12, tornado, KS, MO	-- 15
259.	1904 -- Apr 25, tornadoes, TX, Indian Territory, AR, KS	-- 15
260.	1909 -- May 29, tornadoes (4), OK and ND	-- 15
261.	1921 -- Apr 16, tornado outbreak (9), AL	-- 15
262.	1921 -- Apr 26, tornado, Copiah, Simpson Counties, MS	-- 15
263.	1923 -- Apr 04, tornado, Rapides, LA	-- 15
264.	1924 -- May 28, tornado outbreak, OK	-- 15
265.	1942 -- Apr 29, tornado, Allen, Bourbon, Linn Counties, KS	-- 15
266.	1949 -- Nov 24, tornadoes, Blount/4, DeKalb/1 and Tallapoosa/10 counties, east AL	-- 15
267.	1957 -- May 21, tornadoes, especially Desloge/7, Fremont/6, Van Buren/1, MO	--14-15
268.	1958 -- June 10, tornado, F4, El Dorado, Butler County, KS	--13-15
269.	1969 -- Aug 06, MN tornadoes, especially Roosevelt Lake area (11), MN	-- 15

²⁵²⁴ Cross-listed in Maritime.

TORNADOES – Deadliest American -- By MORTALITY – continued:

270.	1893 -- Mar 03, tornado outbreak, GA	-- 14
271.	1897 -- Mar 30, tornado, Lincoln County, OK	-- 14
272.	1901 -- Mar 09, tornado outbreak (5), AR, TX	-- 14
273.	1903 -- May 24, tornado, Franklin, Kearney, Adams, Webster, Clay Counties, AL	-- 14
274.	1908 -- Feb 14, tornadoes, Tyler, TX, and Mossville, Service and Soso, MS	-- 8-14
275.	1908 -- Nov 23, tornado, Franklin County, AR	-- 14
276.	1909 -- Feb 05, tornadoes, AL, AR and MS	-- 14
277.	1911 -- Apr 12, tornadoes (8), AR, KS, OK, OK-KS-MO	-- 14
278.	1912 -- Feb 25, tornadoes, Lincoln/Jefferson/Arkansas, Lee Counties, AR	-- 14
279.	1913 -- Mar 21, tornadoes (3), MS	-- 14
280.	1913 -- May 14, storm and tornadoes, esp. Tamora, McCool Junction, Seward, NB	-- 8-14
281.	1917 -- June 01, tornado, Coal County, OK	-- 14
282.	1918 -- May 09, tornadoes, IL and IA	-- 14
283.	1919 -- Mar 15, tornadoes, Dover, ~Hinton, Kingfisher, Porter, Weatherford, OK	-- 9-14
284.	1921 -- Dec 24, tornadoes, LA, MS	-- 14
285.	1922 -- Mar 14, tornadoes, AR, LA, MS	-- 14
286.	1927 -- Feb 17, tornado, Warren, Covington, Jones, Jasper Counties, MS	-- 14
287.	1928 -- Sep 14, F4 tornado, Rockford, IL	-- 14
288.	1930 -- May 01, tornadoes, KS, MO, NE, IA, WI	-- 14
289.	1935 -- Apr 06, tornado, Wilkinson/Amite, MS; St. Helena, LA	-- 14
290.	1936 -- Apr 02, tornado, Guilford County, NC	-- 14
291.	1938 -- June 10, tornado, F5, Callahan County, TX	-- 14
292.	1957 -- Nov 07, tornado outbreak, LA (8-9), MS (2), TX (3)	--13-14
293.	1965 -- May 06, tornadoes, esp. Anoka/Carver/Hennepin/Ramsey/Sibley counties, MN	--13-14
294.	1968 -- Apr 19, F4 tornado, Greenwood, Sebastian Country, AR	-- 14
295.	1968 -- Apr 23, tornadoes, OH, MI, TN, KY	-- 14
296.	1974 -- June 08, tornado, esp. Creek County/13, esp. Drumright/12, Osage Co./1, OK	-- 14
297.	1885 -- Nov 06, tornado, Dallas County, Near Selma, AL	-- 13
298.	1886 -- Apr 14, tornadoes (4), IA, NE, MO	-- 13
299.	1890 -- Jan 12/13, tornado/storm, New Madrid Co., MO, Hickman Co., KY	-- 13
300.	1890 -- June 20, tornado, Lee and Dekalb Counties, IL	-- 13
301.	1893 -- Apr 12, tornado, Tunica and Desoto Counties, MS	-- 13
302.	1903 -- May 26, tornado, Nodaway Co., MO; Polk/Monroe/Mahaska Counties, IA	-- 13
303.	1907 -- Apr 05, West Feliciana/East Feliciana, LA	-- 13
304.	1911 -- Nov 11, tornadoes (3), Mason, IL; Rock, WI; Shiawassee, MI	-- 13
305.	1916 -- June 06, tornado, Hinds and Madison Counties, MS	-- 13
306.	1917 -- May 27, tornadoes (3), 12 counties, TN	-- 13
307.	1918 -- Jan 11, tornado, Pike and Houston Counties (especially Webb), AL	-- 13
308.	1922 -- Mar 13, tornadoes, Murray and Latimer Counties, OK	-- 13
309.	1924 -- Apr 30, tornadoes, AL	-- 13
310.	1929 -- Apr 21, tornado, Crew and Desha Counties, AR	-- 13
311.	1938 -- Mar 30, tornado, IL	-- 13

- 312. 1942 -- Feb 06, tornadoes, GA -- 13
- 313. 1944 -- June 17, tornadoes, Brown/Codington/Grant/Roberts, SD; Big Stone, MN -- 13
- 314. 1948 -- Mar 25, OK tornado, especially farm homes near Wetumka and Lenna, OK -- 13
- 315. 1953 -- May 01-02 tornadoes, especially AL (9 deaths, May 1), TN (4 deaths, May 2)-- 13
- 316. 1957 -- Dec 18, tornadoes, Murphysboro/10, Mt. Vernon/Sand Ridge/Sunfield/1 each, IL-- 13
- 317. 1957 -- June 20, supercell thunderstorm, tornadoes, Fargo, ND F5 (12), SD (1) -- 13
- 318. 1958 -- Feb 26, tornadoes, 5 counties, esp. Farmhaven, Madison Co./6, south & cent. MS--13
- 319. 1964 -- May 08, tornado, Chesterfield Twp., Mount Clemens area, Macomb Co., MI-- 13
- 320. 1967 -- Apr 30, MN tornadoes, esp. Freeborn (7 deaths), and Waseca (6) counties MN-- 13
- 321. 1984 -- June 07, tornado outbreak, especially WI (9 deaths), IA (4) and MO (1 death)-- 13
- 322. 2007 -- May 04, tornado outbreak, Greensburg (11), Hopewell (1), Macksville (1), KS-- 13

TORNADOES – Deadliest American -- By MORTALITY (Cont.)

- 323. 1868 -- May 05, tornadoes, Pickens/Tuscaloosa/Talladega Counties, AL -- 12
- 324. 1881 -- Sep 20, tornado, Mondovi, Buffalo County, WI -- 12
- 325. 1884 -- Apr 01, tornado, OH/IN/TN/Western PA -- 12
- 326. 1890 -- Jun 03, tornado, Bradshaw, NE -- 12
- 327. 1893 -- Apr 11, tornado, Dent and Crawford Counties, MO -- 12
- 328. 1898 -- July 04, tornado/Squall, Hampton Beach, NH -- 9-12
- 329. 1907 -- May 25, tornadoes, Mason, San Saba, Van Zandt, Rains counties, TX -- 12
- 330. 1908 -- June 05, tornado, Thayer and Fillmore Counties, NE -- 12
- 331. 1912 -- Feb 20, tornadoes (2), Caddo/Bossier, Claiborne, LA -- 12
- 332. 1914 -- Oct 09, tornadoes (4), Elk, Wilson, Cherokee KS; Ottawa Co. OK -- 12
- 333. 1917 -- June 6, tornadoes, MI, PA, KY -- 12
- 334. 1919 -- Apr 09, tornadoes, Fannin, Bryan, Coal, Pontotoc Counties, OK -- 12
- 335. 1922 -- Apr 08, tornado, Runnels, Coleman and Callahan Counties, TX -- 12
- 336. 1922 -- May 4, tornado, Travis County, TX -- 12
- 337. 1926 -- Nov 25, tornado, Sabine/Natchitoches/Red River, LA -- 12
- 338. 1927 -- Mar 17, tornado, Hot Springs, Saline, Pulaski Counties, AR -- 12
- 339. 1927 -- May 08, tornadoes, MO -- 12
- 340. 1929 -- Apr 05, tornadoes, Pierce/St. Croix/Dunn/Barron/Rusk/Sawyer Counties, WI-- 12
- 341. 1935 -- Feb 08, tornado, Leon and Houston Counties, TX -- 12
- 342. 1953 -- May 10, tornado outbreak, especially MN (8 deaths) and WI (4 deaths) -- 12
- 343. 1959 -- Sep 30, Hurricane Gracie spawns tornadoes in Central VA, esp. Ivy²⁵²⁵ --11-12
- 344. 1963 -- Apr 29, tornadoes, deaths in MO/1, MS/8, TN/3; also: AR, GA, IN, KY, TN-- 12
- 345. 1968 -- Apr 03, tornadoes, AR (6), KY (2), TN (4) -- 12
- 346. 1984 -- Apr 26, tornadoes IA, MN (1), KS, and especially OK (11) -- 12
- 347. 1998 -- Mar. 20, tornado, Hall (Gainesville area) and White Counties, GA -- 12
- 348. 2000 -- Dec 16, tornadoes, Geneva (1 fatality) and Tuscaloosa (11 deaths), AL -- 12
- 349. 2012 -- Feb 30, severe weather, tornadoes, Harrisburg, IL, KS, KY, MO, NE, TN -- 12

- 350. 1804 -- Apr 04, tornadoes, six counties in GA, Edgefield County, SC -- 11
- 351. 1811 -- Sep 10, hurricane-spawned tornado, Charleston, SC -- ≥11
- 352. 1859 -- May 26, tornado, Scott and Morgan counties, IL -- 11

²⁵²⁵ Cross-listed under Hurricanes.

353.	1873 -- July 04, tornado or storm, boats capsize, drownings, Green Lake, WI ²⁵²⁶	--	11
354.	1882 -- Mar 27, tornadoes, Jones, Randolph, Terrell, Lee, Sumter Counties, GA	--	11
355.	1882 -- Apr 19, tornado, Petits and Saline Counties, MO	--	11
356.	1883 -- Apr 23, tornadoes, GA	--	11
357.	1888 -- Aug 21, tornado, Kent County, MD	--	11
358.	1891 -- July 06, tornado, West Baton Rouge and East Baton Rouge, LA	--	11
359.	1893 -- June 21, tornado, Jefferson County, KS	--	11
360.	1899 -- June 13, tornado, Washington County, NE	--	11

TORNADOES – Deadliest American -- By MORTALITY – continued:

361.	1903 -- July 17, tornadoes, La Salle and Livingston Counties, IL	--	11
362.	1907 -- June 07-08, tornadoes, New Minden and York, IL; Grayville, IN	--10-11	
363.	1907 -- July 03, tornadoes, Jackson, Juneau, Monroe, Sauk Counties, WI	--	11
364.	1912 -- June 15, tornado, Linn, Miami Counties, KS; Bates, Cass Counties, MO	--	11
365.	1915 -- Nov 10, tornado, Pawnee and Barton Counties, KS	--	11
366.	1916 -- Apr 19, tornadoes, Bourbon Ct., KS; six counties in MO	--	11
367.	1916 -- May 20, tornadoes (2), TX and TX-OK	--	11
368.	1921 -- Apr 13, tornado, F4, Collin County, TX	--	11
369.	1921 -- Nov 17, tornadoes, Polk/Clark/Hot Springs/Garland counties, AR	--	11
370.	1921 -- Dec 23, tornadoes, AR and MS	--	11
371.	1922 -- Apr 17, tornado, Warren County, IN	--	11
372.	1922 -- Nov 04, tornado, Creek and Pawnee counties, OK	--	11
373.	1938 -- Mar 30-31, tornadoes, AR	--	11
374.	1938 -- Apr 07, tornado, near Aliceville, Pickens County, AL	--	11
375.	1940 -- Apr 30, tornadoes, AR, MO	--	11
376.	1942 -- Apr 28, tornado, F4, Foard County, TX	--	11
377.	1946 -- Jan 6, AR/MS tornadoes, esp. Lake Village AR; Coila/Indianola/Sunflower, MS	--10-11	
378.	1946 -- Aug 17, tornadoes, esp. Green Gables tourist camp, Blue Earth Co., MN	--	9-11
379.	1948 -- Nov 05, tornadoes, Madison/Yazoo/Tippah counties, MS/10, Harrisonburg LA/1	--	11
380.	1950 -- Apr 28, tornadoes, TX/5 deaths: Clyde/3 & Baird/2; Holdenville/5 & Hobart/1, OK	--	11
381.	1953 -- June 07, tornado, Madsen farm near Arcadia, Nebraska	--10-11	
382.	1966 -- Apr 04, tornado deaths, Pinellas/3, Polk/8, Hillsborough, Osceola counties, FL	--	11
383.	1973 -- May 26, tornadoes, AR/3, Cheney Reservoir KS/3, Keefeton OK/5	--	11
384.	1975 -- Jan 10, tornado outbreak (8), LA, MS, and AL	--	11
385.	1987 -- Nov 15, tornadoes, TX (10 deaths) and LA (1)	--	11
386.	2015 -- Dec 26, tornadoes, north TX, Blue Ridge, Copeville, and esp. Garland, TX	--	11
387.	1834 -- May 05, tornado outbreak, VA and MD	--	10
388.	1881 -- Apr 12, tornado, F3, Tunica, Desoto counties, MS	--	10
389.	1882 -- Apr 06, tornadoes (5), 10 counties in MI	--	10
390.	1882 -- Apr 22, tornado, Lawrence County, MS	--	10
391.	1883 -- Apr 22, tornado, Terrell, Webster and Sumter counties, GA	--	10
392.	1883 -- May 13, tornado outbreak, KS and MO	--	10

²⁵²⁶ This event is not included in *Significant Tornadoes 1680-1991* by Grazulis, and thus referred to as a tornado in newspaper account, it may have been a thunderstorm or windstorm.

TORNADOES – Deadliest American -- By MORTALITY (continued):

393.	1883 -- Nov 21, tornado outbreak (4), AR	--	10
394.	1884 -- Apr 02, tornadoes, Blount and Madison counties, AL	--	10
395.	1886 -- May 12, tornadoes, Warren, Hancock, Fountain counties, IN	--	10
396.	1892 -- May 31, tornado, Bell and falls counties, TX	--	10
397.	1892 -- July 14, "cyclone," Springfield, OH	--	10
398.	1895 -- May 01, tornado, Halstead, KS	--	10
399.	1895 -- May 03, tornados, Sioux, Lyon, Osceola, Madison counties, IA	--	10
400.	1900 -- Oct 06, tornado, St. Louis County, MN	--	10
401.	1901 -- June 21, tornado, Boyd County, NE	--	10
402.	1903 -- Apr 07, tornadoes (2), White/Cleburne, Van Buren Counties, AR	--	10
403.	1909 -- Feb 23, tornadoes (3), AR	--	10
404.	1909 -- Mar 23, tornado, Denton, TX	--	10
405.	1909 -- June 10, tornadoes, Jones and Haskell Counties, TX	--	10
406.	1915 -- May 07, tornadoes, SC and MS	--	10
407.	1915 -- June 12, tornadoes, Alamance, Sauk Counties WI; Crawford County, IA	--	10
408.	1915 -- Nov 25, tornado, Garland County, AR	--	10
409.	1915 -- Dec 17, tornado, Lauderdale and Kemper Counties, MS, Millport, AL	--	~10
410.	1916 -- Mar 24, tornadoes, Garvin, Murray and Pontotoc Counties, OK	--	10
411.	1917 -- Mar 26-27, tornadoes (2), Pike, Crenshaw, Hale Counties, AL	--	10
412.	1917 -- June 05, tornadoes, Shawnee/Jackson/Jefferson/Douglas Counties, KS	--	10
413.	1919 -- Mar 05, tornadoes (4), AL and GA	--	10
414.	1919 -- May 21, tornado, Ellis and Rooks Counties, KS	--	10
415.	1920 -- Mar 11, tornado, Carroll, AR and Taney, MO	--	10
416.	1921 -- Apr 15, tornadoes, Marion, Cass, Bowie Counties, TX	--	10
417.	1924 -- Aug 10, tornado, Thurman, CO	--	10
418.	1926 -- Feb 24, tornadoes, AR-MS and MS	--	10
419.	1927 -- Apr 18, tornado, Choctaw County, OK	--	10
420.	1927 -- May 07, tornadoes, Comanche/Barber/Kingman/Reno/McPherson Ct's, KS	--	10
421.	1929 -- Jan 18, tornadoes, IL-IN, MO, IL, KY	--	10
422.	1932 -- Jan 12, tornadoes, Hale/Tuscaloosa & Marengo/Perry, AL	--	10
423.	1932 -- Jan 14, tornado, Gibson, TN	--	10
424.	1938 -- Mar 15, tornado, Greene County, AR & Dunklin/Pemiscot counties, MO	--	10
425.	1938 -- Mar 15, tornado, F4, St. Clair County, IL	--	10
426.	1938 -- Mar 30, tornado, Craig County, OK; Labette/Cherokee Counties, KS	--	10
427.	1940 -- Mar 12, tornado, Harrison, TX; Caddo/Bossier, LA	--	10
428.	1949 -- Dec 11, tornadoes, Cross Roads cmty., AR, and esp. Poplar Bluff area, MO	--	10
429.	1957 -- Jan 22, tornado, Sequoyah County (Gans), OK	--	10
430.	1957 -- Apr 02, tornado, Dallas County, TX	--	10
431.	1964 -- Jan 24, tornado, Harpersville, AL	--	10
432.	1971 -- Apr 27, tornadoes, KY/9 (particularly Mt. Pleasant Church area/6), IL (1)	--	10
433.	1973 -- Mar 31, tornadoes, Rockdale, Walton, Clarke Co's. GA/3, Abbeville Co. SC/7--	10	
434.	1982 -- May 29, F4 tornado, Marion, Williamson County, IL	--	10
435.	1989 -- Nov 16, tornado, East Coldenham Elementary School, Newburgh, NY ²⁵²⁷	--	9-10

²⁵²⁷ 7 died at time, 2 in hospitals afterwards; one by car three days later, the driver "gawking" at the tornado damage.

Tornadoes – By Mortality – continued:

436.	2007 -- Mar 01, tornado outbreak (Prairie, Enterprise), AL	--	10
437.	2010 -- Apr 24, tornado, central MS (Choctaw, Holmes and Yazoo County deaths)	--	10
438.	2011 -- Apr 25, severe storms, flash floods, tornadoes, Ark.	--	10

Some notable other tornadoes fewer than ten lives lost:

1953	-- Apr 18, windstorm and tornadoes, AR (1 death), AL (7), GA (1)	--	9
1897	-- Mar 22, tornado, school, Arlington, GA ²⁵²⁸	--	8
2009	-- Feb 10, tornado, Lone Grove, OK	--	8
1914	-- Aug 21, F3 tornado, Luzerne County, PA	--	7
1915	-- July 07, windstorms, IN/1, KY/1, MO/3, OH/38; tornadoes, 7 deaths IL/IN/MO	--	7
1888	-- June 14, tornado, Lexington, Sand Hollow, and Pine City, Morrow County, OR	--	3-6
1972	-- Apr 05, tornado, Vancouver, Washington	--	6
1925	-- Apr 05, tornado, Dade County, FL	--	5

²⁵²⁸ Included in that the top-ten list of fatalities at schools hit by tornadoes includes just seven events wherein there were ten or more fatalities.

TORNADOES -- SCHOOLS Subset -- By MORTALITY ²⁵²⁹

1.	1925 -- Mar 18, tornado, Desoto, IL ²⁵³⁰	--	33
2.	1925 -- Mar 18, tornado, Murphysboro, IL ²⁵³¹	--	25
3.	1955 -- Feb 01, tornado, Commerce Landing, MS ²⁵³²	--	17
4.	1917 -- Jan 04, tornado, Vireton, OK ²⁵³³	--	16
5.	1926 -- Nov 09, tornado, La Plata, MD ²⁵³⁴	--	14
6.	1967 -- Apr 21, tornado, Belvidere, IL ²⁵³⁵	--	13
7.	1929 -- May 02, tornado, Rye Cove School, Scott County, VA ²⁵³⁶	--	13
8.	1989 -- Nov 16, tornado, East Coldenham Elementary School, Newburgh, NY ²⁵³⁷	--	9-10
9.	1865 -- June 28, tornado, Viroqua, WI ²⁵³⁸	--	9
10.	1897 -- Mar 22, tornado, Arlington, GA	--	8
11.	1918 -- Jan 11, tornado, Dothan, AL ²⁵³⁹	--	8
12.	2007 -- Mar 01, tornado, Enterprise High School, Enterprise, AL ²⁵⁴⁰	--	8
13.	1890 -- June 20, tornado, Deacon Hunt School, near Paw Paw, IL ²⁵⁴¹	--	7
14.	1924 -- Apr 30, tornado, Steedman School (3) and Horry county school (4), SC ²⁵⁴²	--	7
15.	2013 -- May 20, tornado, Plaza Towers School, Moore, OK (24 total fatalities)	--	7

²⁵²⁹ With the exception of No. 8, the Coldenham School event, all of the data for this subset comes from: Grazulis, Thomas P. *Top Ten Lists*. "The Ten Worst Tornado Related Disasters in Schools." 1999. In that some accounts of this event categorize it as a downburst rather than a tornado, I surmise that this is the reason Grazulis did not include it in his top ten list of school/tornado events.

²⁵³⁰ Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

²⁵³¹ Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

²⁵³² Subset of total of 23 fatalities due to this tornado.

²⁵³³ There was an additional fatality not at the school.

²⁵³⁴ There were three additional fatalities not at the school.

²⁵³⁵ There were fifty-eight fatalities in all.

²⁵³⁶ There were twenty-two fatalities in all.

²⁵³⁷ Seven children died immediately, two in hospitals shortly thereafter, and one by a car three days later, the driver of which was "gawking" at the tornado damage.

²⁵³⁸ One teacher and 8 students. There were 22 fatalities in all. (Grazulis. *Significant Tornadoes*, 1993, p. 570.)

²⁵³⁹ This is a subset of the 13 total fatalities for this tornado.

²⁵⁴⁰ Subset of 9-10 AL deaths and 6 in GA. All the HS deaths were students. (NWS WFO, Tallahassee, FL. "Tornado outbreak of March 1-2, 2007.)

²⁵⁴¹ Six students and one teacher. (Grazulis. *Significant Tornadoes*, 1993, p. 652.)

²⁵⁴² Two students and one teacher at the Steedman School in Lexington Co., and "four deaths" in the Horrell county school. (Grazulis. *Significant Tornadoes*, 1993, p. 788.) There were 53 total deaths attributed to this tornado – part of a tornado outbreak in AL, GA, and SC.

TORNADOES -- SCHOOLS Subset – Deadliest American -- **Chronological** ²⁵⁴³

1865 -- Jun 28, tornado, Viroqua, WI ²⁵⁴⁴	--	9
1890 -- June 20, tornado, Deacon Hunt School, near Paw Paw, IL ²⁵⁴⁵	--	7
1897 -- Mar 22, tornado, Arlington, GA	--	8
1. 1917 -- Jan 04, tornado, Vireton, OK ²⁵⁴⁶	--	16
1918 -- Jan 11, tornado, Dothan, AL ²⁵⁴⁷	--	8
1924 -- Apr 30, tornado, Steedman School (3) and Horrell county school (4), SC ²⁵⁴⁸	--	7
2. 1925 -- Mar 18, tornado, Desoto, IL ²⁵⁴⁹	--	33
3. 1925 -- Mar 18, tornado, Murphysboro, IL ²⁵⁵⁰	--	25
4. 1926 -- Nov 09, tornado, La Plata, MD ²⁵⁵¹	--	14
5. 1929 -- May 02, tornado, Rye Cove School, Scott County, VA ²⁵⁵²	--	13
6. 1955 -- Feb 01, tornado, Commerce Landing, MS ²⁵⁵³	--	17
7. 1967 -- Apr 21, tornado, Belvidere, IL ²⁵⁵⁴	--	13
8. 1989 -- Nov 16, tornado, East Coldenham Elementary School, Newburgh, NY ²⁵⁵⁵	--	9-10
2007 -- Mar 01, tornado, Enterprise High School, Enterprise, AL ²⁵⁵⁶	--	8
2013 -- May 20, tornado, Plaza Towers School, Moore, OK (24 total fatalities)	--	7

²⁵⁴³ With the exception of No. 8, the Coldenham School event, all of the data for this subset comes from: Grazulis, Thomas P. *Top Ten Lists*. "The Ten Worst Tornado Related Disasters in Schools." 1999. In that some accounts of this event categorize it as a downburst rather than a tornado, I surmise that this is the reason Grazulis did not include it in his top ten list of school/tornado events.

²⁵⁴⁴ One teacher and 8 students. There were 22 fatalities in all. (Grazulis. *Significant Tornadoes*, 1993, p. 570.)

²⁵⁴⁵ Six students and one teacher. (Grazulis. *Significant Tornadoes*, 1993, p. 652.)

²⁵⁴⁶ There was an additional fatality not at the school.

²⁵⁴⁷ This is a subset of the 13 total fatalities for this tornado.

²⁵⁴⁸ Two students and one teacher at the Steedman School in Lexington Co., and "four deaths" in the Horrell county school. (Grazulis. *Significant Tornadoes*, 1993, p. 788.) There were 53 total deaths attributed to this tornado – part of a tornado outbreak in AL, GA, and SC.

²⁵⁴⁹ Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

²⁵⁵⁰ Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

²⁵⁵¹ There were three additional fatalities not at the school.

²⁵⁵² There were twenty-two fatalities in all.

²⁵⁵³ Subset of total of 23 fatalities due to this tornado.

²⁵⁵⁴ There were fifty-eight fatalities in all.

²⁵⁵⁵ Seven children died immediately, two in hospitals shortly thereafter, and one by a car three days later, the driver of which was "gawking" at the tornado damage.

²⁵⁵⁶ Subset of 9-10 AL deaths and 6 in GA. All the HS deaths were students. (NWS WFO, Tallahassee, FL. "Tornado outbreak of March 1-2, 2007.")

TORNADOES – Deadliest American -- CHRONOLOGICAL

1.	1804 -- Apr 04, tornadoes, six counties in GA, Edgefield County, SC	-- 11
2.	1811 -- Sep 10, hurricane-spawned tornado, Charleston, SC	-- ≥11
3.	1814 -- Jun 30, tornado sinks schooner USS <i>Alligator</i> , Port Royal Sound, SC ²⁵⁵⁷	-- 23
4.	1814 -- Aug 25, tornado, Washington, D.C.	-- <30
5.	1818 -- Aug 15, tornado, Stafford County, VA to Charles County, MD	-- 30
6.	1834 -- May 05, tornado outbreak, VA and MD	-- 10
7.	1840 -- May 07, tornado, Natchez, and on the MS river (e. g. <i>Hinds</i>); LA Plantations	-- ≥318
	1842 -- June 16, tornado, Adams County, MS -- do not think this happened	-- 500
8.	1846 -- May 07, tornado, Grenada, MS	-- 21
9.	1852 -- Apr 30, tornado, New Harmony, IN	-- 16
10.	1854 -- Jan, tornado, Louisville Vicinity, KY	-- 15
11.	1854 -- Aug 27, tornado, Louisville, KY	-- 25
12.	1858 -- May 31, tornado, Ellison, Warren County, IL	-- 19
13.	1859 -- May 26, tornado, Scott and Morgan Counties, IL	-- 11
14.	1860 -- May 21, tornado, Louisville, KY to Portsmouth, OH	-- 100
15.	1860 -- June 3, tornadoes, IA/117, esp. Camanche/~42, Albany area, IL/31, MS Riv./23--171-175	
16.	1865 -- Jun 28, tornado, Viroqua, WI	-- 22
17.	1868 -- May 05, tornadoes, Pickens/Tuscaloosa/Talladega Counties, AL	-- 12
18.	1872 -- June 17, F5 tornado, Greene, Boone Story, Marshall, Jasper, Poweshiek, IA	-- 68
19.	1873 -- May 22, tornadoes, KS, IA, IL	-- 18
20.	1873 -- July 04, tornado or storm, boats capsize, drownings, Green Lake, WI ²⁵⁵⁸	-- 11
21.	1874 -- Nov 22, tornadoes, Colbert, Lauderdale, Shelby Counties, AL	--12-16
22.	1875 -- Mar 20, SE tornado outbreak, especially GA, also AL, NC, SC	--93-120
23.	1875 -- May 01, tornadoes, AL, GA, SC	--86-99
24.	1876 -- July 04, tornadoes, Warren and Madison Counties, IA	-- >30
25.	1877 -- June 04, tornado, Mt. Carmel, Wabash County, IL	-- 16
26.	1878 -- Apr 21, tornadoes, six Counties, IA	-- 27
27.	1878 -- May 23, tornadoes, WI and Dane County, IA	-- 17
28.	1878 -- Aug 09, tornado, Wallingford, New Haven County, CT	--27-34

²⁵⁵⁷ Cross-listed in Maritime

²⁵⁵⁸ This event is not included in *Significant Tornadoes 1680-1991* by Grazulis, and thus referred to as a tornado in newspaper account, it may have been a thunderstorm or windstorm.

29. 1879 -- May 30, tornadoes, MO, KS, NE -- >40
 30. 1879 -- July 02, tornado outbreak, IA, MN, WI -- 16

TORNADOES – Deadliest American – **CHRONOLOGICAL** – Cont.

31. 1880 -- Apr 18, tornadoes, AR/10, IL/KS/OK 1 ea., MO/152, esp. Marshfield/99, MO -- 165
 32. 1880 -- May 28, tornado, Fannin County, TX -- 40
 33. 1880 -- June 09, tornado, Wheeler’s Grove, Pottawattamie County, IA --14-20

 34. 1881 -- Apr 12, tornado, F3, Tunica, Desoto Counties, MS -- 10
 35. 1881 -- June 12, KS, MO -- 15
 36. 1881 -- July 15, tornado outbreak, MN -- 24
 37. 1881 -- Sep 20, Tornado, Mondovi, Buffalo County, WI -- 12

 38. 1882 -- March 27, Tornadoes, Jones, Randolph, Terrell, Lee, Sumter Counties, GA -- 11
 39. 1882 -- April 6, Tornadoes (5), 10 Counties in MI -- 10
 40. 1882 -- April 19, Tornado, Petits and Saline Counties, MO -- 11
 41. 1882 -- April 22, Tornado, Lawrence County, MS -- 10
 42. 1882 -- May 08, Tornadoes, Alfalfa, Johnston, and Pittsburg Counties, OK -- 25
 43. 1882 -- June 18, Tornado, Grinnell, Iowa -- 100

 44. 1883 -- April 22, Tornado, MS -- 81
 45. 1883 -- April 22, Tornado, Terrell, Webster and Sumter Counties, GA -- 10
 46. 1883 -- April 23, Tornado outbreak, GA -- 11
 47. 1883 -- May 13, Tornado outbreak, KS and MO -- 10
 48. 1883 -- May 18, Tornado outbreak, IL and WI -- 62
 49. 1883 -- May 28, Tornadoes, ~Clay City, Clay Co., Edinburgh, Johnston Co., IN --14-20
 50. 1883 -- Aug 21, Tornado outbreak, MN -- 40
 51. 1883 -- Nov 21, Tornado outbreak (4), AR -- 10

 52. 1884 -- Feb 19-20, Enigma SE Tornadoes, AL, GA, KY, LA, MS, NC, SC, VA --178-420
 53. 1884 -- March 25, Tornadoes, GA, IN, KY, NC, OH, SC -- 30
 54. 1884 -- April 1, Tornado, OH/IN/TN/Western PA -- 12
 55. 1884 -- April 2, Tornadoes, Blount and Madison Counties, AL -- 10

 56. 1885 -- Nov 06, Tornado, Dallas County, Near Selma, AL -- 13

 57. 1886 -- April 14, Tornadoes (4), IA, NE, MO -- 13
 58. 1886 -- April 14, Tornadoes, Sterns/Benton (Sauk Rapids)/Morrison Counties, MN -- 79
 59. 1886 -- May 12, Tornadoes, Warren, Hancock, Fountain Counties, IN -- 10
 60. 1886 -- May 14, Tornadoes, Mercer, Hardin, Hancock, and Wyandot counties, OH -- 17

 61. 1887 -- April 21, Tornado, Anderson, Linn Counties, KS; Bates County, MO -- 29
 62. 1887 -- April 22, Tornadoes, ~Clarksville, AR; ~Mt. Carmel, IN; Buena Vista, IL -- 25

TORNADOES – Deadliest American – CHRONOLOGICAL – continued

63. 1888 -- Feb 19, Tornado, F4, Mount Vernon, Jefferson County, IL	--24-30
1888 -- June 14, tornado, Lexington, Sand Hollow, and Pine City, Morrow Co., OR	-- 3-6
64. 1888 -- Aug 21, tornado, Kent County, MD	-- 11
65. 1890 -- Jan 12/13, tornado/storm, New Madrid Co., MO, Hickman Co., KY	-- 13
66. 1890 -- Mar 27, Tornadoes, MO-IL, IL, MO-KY, MO-IL, KY-IL-KY, TN, KY	-- 156
67. 1890 -- Jun 03, Tornado, Bradshaw, NE	-- 12
68. 1890 -- Jun 20, Tornado, Lee and Dekalb Counties, IL	-- 13
69. 1890 -- Aug 19, Tornadoes, Berks, Carbon, Luzerne, Susquehanna Counties, PA	-- 28
70. 1891 -- July 06, Tornado, West Baton Rouge/East Baton Rouge, LA	-- 11
71. 1892 -- Mar 31, Tornadoes, Ottawa/Sumner/Sedgwick & other Counties, KS	-- 25
72. 1892 -- May 27, Tornado, Barber, Harper, and Sumner Counties, KS	-- 17
73. 1892 -- May 31, Tornado, Bell and falls Counties, TX	-- 10
74. 1892 -- June 15, Tornado outbreak, Multiple Counties, MN	--40-50
75. 1892 -- July 14, "Cyclone," Springfield, OH	-- 10
76. 1893 -- Mar 03, Tornado outbreak, GA	-- 14
77. 1893 -- Mar 23, Clarke/Desoto MS; Richland, LA; Shelby/Weakley, TN	-- 16
78. 1893 -- Apr 11, Tornado, Dent and Crawford Counties, MO	-- 12
79. 1893 -- Apr 12, Tornado, Tunica and Desoto Counties, MS	-- 13
80. 1893 -- Apr 25, Cleveland, Grady, Logan, McClain, Payne Counties, OK	-- 37
81. 1893 -- Apr 28, Tornado, Eastland County, TX	-- 23
82. 1893 -- Jun 21, Tornado, Jefferson County, KS	-- 11
83. 1893 -- July 6, Tornado, Cherokee/Buena Vista/Pocahontas/Calhoun Counties, IA	-- 71
84. 1894 -- Mar 18, Tornadoes, Harrison and Nacogdoches Counties, TX	--10-16
85. 1894 -- Sep 21, Tornado outbreak (5) IA/MN	-- 63
86. 1895 -- May 01, Tornado, Halstead, KS	-- 10
87. 1895 -- May 03, Tornados, Sioux, Lyon, Osceola, Madison Counties, IA	-- 10
88. 1896 -- May 15, Sherman Texas Tornado	-- 73
89. 1896 -- May 17, Tornado, Palmer, Kansas to falls City, NE	-- 25
90. 1896 -- May 24, Tornado, Des Moines/Valeria, IA	-- 21
91. 1896 -- May 25, Tornado outbreak, IL and MI	-- 47
92. 1896 -- May 27, Tornadoes IL and MO. Particularly St. Louis, MO	-- 306
93. 1897 -- Mar 22, Tornado, School, Arlington, GA ²⁵⁵⁹	-- 8
94. 1897 -- Mar 30, Tornado, Lincoln County, OK	-- 14

²⁵⁵⁹ Included in that the top-ten list of fatalities at schools hit by tornadoes includes just seven events wherein there were ten or more fatalities.

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (continued)

95.	1898 -- Jan 11, Tornado, Fort Smith, Arkansas,	-- 55
96.	1898 -- May 18, tornadoes, IA, IL, WI	-- 55
97.	1898 -- July 04, tornado/squall, Hampton Beach, NH	-- 9-12
98.	1899 -- Mar 18, tornadoes (3), AL	-- 16
99.	1899 -- Apr 27, Tornado, Kirksville and Newtown, MO	-- 63
100.	1899 -- June 12, Tornado New Richmond, St. Croix County, WI	-- 119
101.	1899 -- June 13, Tornado, Washington County, NE	-- 11
102.	1900 -- Nov 20, Tornado, MS, TN	-- 69
103.	1901 -- Mar 09, Tornado outbreak (5), AR, TX	-- 14
104.	1901 -- March 25, Tornado, Jefferson Co. (Birmingham/Avondale/Irondale), AL	--16-25
105.	1901 -- June 21, Tornado Boyd County, NE	-- 10
106.	1902 -- May 18, TX Tornado outbreak, esp. Goliad, TX	-- 118
107.	1903 -- Feb 17, Steamer <i>Olive</i> sunk, Tornado, Chowan River, Woodley's Pier, NC ²⁵⁶⁰ -->17	
108.	1903 -- April 3, Tornadoes (2), Leesburg, Hopewell, Summit, AL	-- 20
109.	1903 -- May 24, Franklin, Kearney, Adams, Webster, Clay Counties, AL	-- 14
110.	1903 -- May 26, Nodaway Co., MO; Polk/Monroe/Mahaska Counties, IA	-- 13
111.	1903 -- June 1, Tornado, Gainesville (includes former mill village New Holland), GA	--98-113
112.	1903 -- July 17, Tornadoes, La Salle and Livingston Counties, IL	-- 11
113.	1903 -- Oct 03, Tornadoes (3), MN-WI, WI, IL	-- 17
114.	1904 -- Jan 22, Tornado, Hale-Tuscaloosa Counties (Moundville), AL	-- 37
115.	1904 -- Apr 25, Tornadoes, TX, Indian Territory, AR, KS	-- 15
116.	1905 -- March 20, Tornado, Chambers/Randolph Counties, AL; Heard County, GA	--14-17
117.	1905 -- April 29, Severe Storm or Tornado, Laredo, TX	-- 16
118.	1905 -- May 08, Tornado, McPherson and Saline Counties, KS	-- 34
119.	1905 -- May 10, F5 Tornado, Lock hamlet & esp. Snyder, Kiowa Co. & area, OK--97~120	
120.	1905 -- July 5, Tornado, Montague Country, TX	-- 18
121.	1906 -- March 2, Tornado, Meridian, Lauderdale County, MS	-- 23
122.	1906 -- April 26, Tornado, Clay and Montague Counties, TX	-- 17
123.	1907 -- April 5, West Feliciana/East Feliciana, LA	-- 13
124.	1907 -- May 25, Mason, San Saba, Van Zandt, Rains Counties, TX	-- 12
125.	1907 -- June 7-8, Tornadoes, New Minden and York, IL; Grayville, IN	--10-11
126.	1907 -- July 3, Tornadoes, Jackson, Juneau, Monroe, Sauk Counties, WI	-- 11
127.	1908 -- Feb 14, Tornadoes, Tyler, TX, and Mossville, Service and Soso, MS	-- 8-14

²⁵⁶⁰ Cross-listed in Maritime.

- 128. 1908 -- Apr 23-25, tornadoes, AL/37-38, AR/6, GA/30, LA/85, MS/≤139, NE, TX/8-- 324
- 129. 1908 -- May 13, tornado outbreak, Caddo, Bossier, & 5 other Counties, LA -- 50
- 130. 1908 -- June 05, tornado, Thayer and Fillmore Counties, NE -- 12
- 131. 1908 -- Nov 23, tornado, Franklin County, AR -- 14

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (Cont.)

- 132. 1909 -- Feb 05, tornado outbreak, AL, AR and MS -- 14
- 133. 1909 -- Feb 23, tornadoes (3), AR -- 10
- 134. 1909 -- Mar 08, tornadoes, AR -- 67
- 135. 1909 -- Mar 23, tornado, Denton, TX -- 10
- 136. 1909 -- Apr 29, tornadoes, AL, AR, IL, MS, MO, TN --132-146
- 137. 1909 -- Apr 30, tornado outbreak, GA -- 16
- 138. 1909 -- May 29, tornadoes (4), OK and ND -- 15
- 139. 1909 -- May 30, tornado, Brown County, TX -- 34
- 140. 1909 -- June 10, tornadoes, Jones and Haskell Counties, TX -- 10
- 141. 1909 -- Oct 14, tornado outbreak, esp. AL (11-21), AR (2), GA (1-2), TN (42-50) --56-75

- 142. 1911 -- Apr 12, tornadoes (8), AR, KS, OK, OK-KS-MO -- 14
- 143. 1911 -- Nov 11, tornadoes (3), Mason, IL; Rock, WI; Shiawasee, MI -- 13

- 144. 1912 -- Feb 20, tornado outbreak (2), Caddo/Bossier, Claiborne, LA -- 12
- 145. 1912 -- Feb 25, tornadoes, Lincoln/Jefferson/Arkansas, Lee Counties, AR -- 14
- 146. 1912 -- Apr 20, tornadoes (9), KS, OK, TX -- 17
- 147. 1912 -- Apr 21, tornadoes (6), IL, IL-IN, IN -- 30
- 148. 1912 -- Apr 27, tornadoes, seven counties, OK -- 29
- 149. 1912 -- Jun 15, tornado, Linn, Miami Counties, KS; Bates, Cass counties, MO -- 11

- 150. 1913 -- Mar 13-14, tornado outbreak, AL, AR, GA, LA, MS, TN, TX -- 78
- 151. 1913 -- Mar 21, tornadoes (5), AL -- 34
- 152. 1913 -- Mar 21, tornadoes (3), MS -- 14
- 153. 1913 -- Mar 23, Easter Sunday tornados, LA, MO, esp. Omaha, NE, IN, IA --194-196
- 154. 1913 -- May 14, storm/tornadoes, esp. Tamora, McCool Junction, Seward, NB -- 8-14

- 155. 1914 -- Aug 21, F3 tornado, Luzerne County, PA -- 7
- 156. 1914 -- Oct 09, tornadoes (4), Elk, Wilson, Cherokee KS; Ottawa Co. OK -- 12

- 157. 1915 -- May 06, Tornadoes, MS, LA, TN -- 16
- 158. 1915 -- May 07, Tornadoes, SC and MS -- 10
- 159. 1915 -- June 12, Alamance, Sauk Counties WI; Crawford County, IA -- 10
- 160. 1915 -- July 7, Tornadoes/7 deaths IL/IN/MO, Windstorms, IN/1, KY/1, MO/3, OH/38--50
- 161. 1915 -- Nov 10, Tornado, Pawnee and Barton Counties, KS -- 11
- 162. 1915 -- Nov 25, Tornado, Garland County, AR -- 10
- 163. 1915 -- Dec 17, Tornado, Lauderdale and Kemper Counties, MS, Millport, AL -- ~10

- 164. 1916 -- Mar 24, Tornadoes, Garvin, Murray and Pontotoc Counties, OK -- 10

165.	1916 -- Apr 19, Tornadoes, Bourbon Ct., KS; Six Counties in MO	--	11
166.	1916 -- May 20, tornadoes (2), TX and TX-OK	--	11
167.	1916 -- June 05, tornadoes (3), AR-MO, AR-TN, MO-IL, MS	--76-	160
168.	1916 -- June 06, tornado, Hinds and Madison Counties, MS	--	13
169.	1916 -- Dec 26, tornadoes (3), AR	--	17

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (Cont.)

170.	1917 -- Jan 04, Tornado, Vireton, OK	--	17
171.	1917 -- Feb 23, Tornadoes, Hale, Perry, Elmore, Coosa, Clay Counties, AL	--	16
172.	1917 -- Mar 11, Tornadoes, Newcastle/21, Millville/1, Hagerstown/2, IN, Cincinnati OH/4--	28	
173.	1917 -- Mar 23, Tornadoes, IL, Jefferson Co., KY, esp. New Albany, Floyd Co., IN	--	46
174.	1917 -- Mar 26-27 Tornadoes (2), Pike, Crenshaw, Hale Counties, AL	--	10
175.	1917 -- May 25, Tornado, Sedgwick, Harvey, Marion Counties, KS	--	23
176.	1917 -- May 26, Tornado, 7 counties, especially Coles County (Mattoon), IL	--	101
177.	1917 -- May 27, Tornado, TN, KY	--	67
178.	1917 -- May 27, Tornado, Miss., AR, TN	--	18
179.	1917 -- May 27, Tornadoes (3), 12 counties, TN	--	13
180.	1917 -- May 27-28, Tornado outbreak (7), AL	--	50
181.	1917 -- May 30, Tornadoes (8), MO	--	67
182.	1917 -- June 01, Tornado, Coal County, OK	--	14
183.	1917 -- June 05, Cooper/Boone/Audrain/Wright/Ray/Carroll Counties, MO	--	34
184.	1917 -- June 05, Tornadoes, Shawnee/Jackson/Jefferson/Douglas Counties, KS	--	10
185.	1917 -- June 06, Tornadoes, MI, PA, KY	--	12
186.	1918 -- Jan 11, Tornado, Pike and Houston Counties (especially Webb), AL	--	13
187.	1918 -- May 09, Tornadoes, IL and IA	--	14
188.	1918 -- May 21, Tornadoes (7), 10 Counties, IA	--	19
189.	1918 -- Aug 21, Brookings County SD / Lincoln, Lyon Counties, MN	--	36
190.	1919 -- Mar 05, Tornadoes (4), AL and GA	--	10
191.	1919 -- Mar 15, Tornadoes, Dover, ~Hinton, Kingfisher, Porter, Weatherford, OK	--	9-14
192.	1919 -- Mar 16, Tornado outbreak, LA and MS, especially Isola, MS	--	42
193.	1919 -- Apr 08, Tornado, F4, Collin and Fannin Counties, TX	--	18
194.	1919 -- Apr 09, Tornadoes, TX	--	56
195.	1919 -- Apr 09, Tornadoes, Fannin, Bryan, Coal, Pontotoc Counties, OK	--	12
196.	1919 -- May 21, Tornado, Ellis and Rooks Counties, KS	--	10
197.	1919 -- Jun 22, Tornado, Fergus falls (Ottertail County), MN	--50-	59
198.	1920 -- Mar 11, Tornado, Carroll, AR and Taney, MO	--	10
199.	1920 -- Mar 28, Palm Sunday Tornadoes, esp. GA/37 OH/29 IL/28 IN/28 AL/18, MI/13--	154	
200.	1920 -- Apr 19, Tornadoes, Yell/Logan/Johnson/Pope Counties, AR	--	19
201.	1920 -- Apr 20, Tornadoes, MS	--	131
202.	1920 -- Apr 20, Tornadoes, AL	--	92
203.	1920 -- May 02, Tornado, Peggs (Cherokee County), OK	--	71

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (continued)

204.	1921 -- Feb 10, Tornado, Oconee and Gardner (Washington County), GA	--	32
205.	1921 -- Apr 13, tornado, F4, Collin County, TX	--	11
206.	1921 -- Apr 15, tornadoes, Miller, Hempstead, Pile, Yell, Pope Counties, AR	--	56
207.	1921 -- Apr 15, tornadoes, Marion, Cass, Bowie Counties, TX	--	10
208.	1921 -- Apr 16, tornado outbreak (9), AL	--	15
209.	1921 -- Apr 21, Tornado, Northeast TX and AR	--	61
210.	1921 -- Apr 26, Tornado, Copiah, Simpson Counties, MS	--	15
211.	1921 -- Nov 17, Tornadoes, Polk/Clark/Hot Springs/Garland Counties, AR	--	11
212.	1921 -- Dec 23, Tornadoes, AR/MS	--	11
213.	1921 -- Dec 24, Tornadoes, LA, MS	--	14
214.	1922 -- Mar 13, Tornadoes, Murray and Latimer Counties, OK	--	13
215.	1922 -- Mar 14, Tornadoes, AR, LA, MS	--	14
216.	1922 -- Apr 08, Tornado, Runnels, Coleman and Callahan Counties, TX	--	12
217.	1922 -- Apr 17, Tornado, Warren County, IN	--	11
218.	1922 -- May 04, Tornado, Travis County, TX	--	12
219.	1922 -- Nov 04, Tornado, Creek and Pawnee Counties, OK	--	11
220.	1923 -- March 11, Tornado, Chester/Madison, TN	--	20
221.	1923 -- March 15, Tunica, Tate, Desoto, Quitman, Panola Counties, MS	--	17
222.	1923 -- April 4, Tornado, Rapides, LA	--	15
223.	1923 -- May 14, Tornado, F5, Howard and Mitchell Counties, TX	--	23
224.	1924 -- Apr 30, Tornadoes, SC	--	67
225.	1924 -- Apr 30, Tornado outbreak, GA	--	16
226.	1924 -- Apr 30, Tornado outbreak, AL	--	13
227.	1924 -- May 26, Tornadoes, MS	--	30
228.	1924 -- May 26-27, Tornadoes, AL	--	24
229.	1924 -- May 28, Tornado outbreak, OK	--	15
230.	1924 -- June 28, OH Tornadoes, Portage Co./3, Sandusky/9, esp. Lorain/>64, OH	--	≥89
231.	1924 -- Aug 10, Tornado, Thurman, CO	--	10
232.	1924 -- Sep 21, Tornadoes, WI	--	34
233.	1925 -- March 18, Tornadoes, esp. Tri-State Tornado (IL/IN/MO) 695; AL/KY/TN --740-792		
	1925 -- April 5, Tornado, Dade County, FL	--	5
234.	1925 -- Oct 25, Tornado, Pike-Bullock-Barbour-Crenshaw Counties, AL	--	18
235.	1926 -- Feb 24, Tornadoes, AR-MS and MS	--	10
236.	1926 -- Nov 09, Tornado, Charles and Prince Georges Counties, MD	--	17
237.	1926 -- Nov 25, Tornadoes, Thanksgiving Day, AR	--	58
238.	1926 -- Nov 25, Tornado, Sabine/Natchitoches/Red River, LA	--	12
239.	1927 -- Feb 17, Tornadoes, Sabine/Natchitoches/Red River, Tensas, LA	--	27
240.	1927 -- Feb 17, Tornado, Warren, Covington, Jones, Jasper Counties, MS	--	14

241.	1927 -- Mar 17, Tornado, Hot Springs, Saline, Pulaski Counties, AR	--	12
242.	1927 -- Mar 18, tornado, Carroll and Boone Counties, AR	--	24
243.	1927 -- Apr 12, tornado, Rock Springs, TX	--	74
244.	1927 -- Apr 18, tornado, Choctaw County, OK	--	10
245.	1927 -- Apr 19, tornadoes, IL	--	21
246.	1927 -- May 7, tornadoes, Comanche/Barber/Kingman/Reno/McPherson Ct's, KS	--	10
247.	1927 -- May 8, tornadoes, MO	--	12
248.	1927 -- May 9, tornadoes, AR/70, MO/93 (esp. Poplar Bluff/83), TX/40, IL/7, LA/1--<211		
249.	1927 -- Sep 29, tornadoes, St. Louis City/County, MO/78; Madison Co. IL/7, AR/1--		86

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (Cont.)

250.	1928 -- Sep 14, F4 Tornado, Rockford, IL	--	14
251.	1929 -- Jan 18, Tornadoes, IL-IN, MO, IL, KY	--	10
252.	1929 -- Feb 25, Tornado, F4, Bolivar County, MS	--	19
253.	1929 -- Apr 05, Pierce/St. Croix/Dunn/Barron/Rusk/Sawyer Counties, WI	--	12
254.	1929 -- Apr 10, Tornado outbreak, AR	--	55
255.	1929 -- Apr 21, Tornado, Crew and Desha Counties, AR	--	13
256.	1929 -- Apr 25, Tornado outbreak, GA	--	49
257.	1929 -- May 02, Tornadoes, VA	--	22
258.	1930 -- May 01, Tornadoes, KS, MO, NE, IA, WI	--	14
259.	1930 -- May 06, Tornadoes, TX	--	81
260.	1930 -- May 18, Tornadoes, Arkansas and Phillips Counties, AR	--	20
261.	1930 -- Nov 19, Tornado, Oklahoma County, OK	--	23
262.	1932 -- Jan 12, Tornadoes, Hale/Tuscaloosa & Marengo/Perry, AL	--	10
263.	1932 -- Jan 14, Tornado, Gibson, TN	--	10
264.	1932 -- Mar 21-22, "Deep South" Tornadoes, AL≥268, GA/37, KY/2, SC/3, TN/22-332-350		
265.	1933 -- Mar 14, Tornado outbreak, esp. Nashville, Pruden, Kingsport area, TN	--	45-52
266.	1933 -- Mar 30/31, Tornado outbreak/high winds, AL/2 AR/1 LA/11 MS/56 TX/18	--	88
267.	1933 -- May 01, Tornadoes (2), Webster/Bienville/Claiborne, LA	--	34
268.	1933 -- May 05, Tornadoes, AL	--	25
269.	1933 -- May 05, Tornado, Anderson and Laurens Counties, SC	--	19
270.	1933 -- May 09, Tornado, Monroe/Cumberland/Adair/Russell, KY	--	36
271.	1933 -- May 10, Tornado, Overton/Pickett, TN	--	35
272.	1933 -- May 22, Tornadoes, OK, KS, NE, ND	--	16
273.	1935 -- Feb 08, Tornado, Leon and Houston Counties, TX	--	12
274.	1935 -- Apr 06, Tornado, Wilkinson/Amite, MS; St. Helena, LA	--	14
275.	1936 -- Jan 18, Tornadoes, AL (6 deaths), FL (7 deaths), GA (7 deaths)	--	20
276.	1936 -- Apr 02, Tornado, Crisp County (especially Cordele), GA	--	36
277.	1936 -- Apr 02, Tornado, Guilford County, NC	--	14
278.	1936 -- Apr 05, Tornadoes, AL/8, AR/1, MS/224-233, TN/16, esp. Tupelo, MS	--	249-258

279. 1936 -- Apr 06, tornadoes and fires (esp. Cooper Pants Factory), Gainesville, GA²⁵⁶¹-- 203

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (Cont.)

280.	1938 -- Feb 17, tornado, Cass, TX; Caddo, LA	--	21
281.	1938 -- Mar 15, tornado, Greene Ct., AR & Dunklin/Pemiscot, Cts., MO	--	10
282.	1938 -- Mar 15, tornado, F4, St. Clair County, IL	--	10
283.	1938 -- Mar 30, tornado, IL	--	13
284.	1938 -- Mar 30, tornado, Craig Ct., OK; Labette/Cherokee Counties, KS	--	10
285.	1938 -- Mar 30-31, tornadoes, AR	--	11
286.	1938 -- Apr 07, tornado, near Aliceville, Pickens County, AL	--	11
287.	1938 -- Jun 10, tornado, F5, Callahan County, TX	--	14
288.	1938 -- Sep 29, tornado, Charleston County, SC	--	32
289.	1939 -- Apr 16, tornadoes, Drew, Cleveland, Jefferson Counties, AR	--	32
290.	1940 -- Feb 10, tornado, Dougherty County, GA	--	18
291.	1940 -- Mar 12, tornado, Harrison, TX; Caddo/Bossier, LA	--	10
292.	1940 -- Apr 30, tornadoes, AR, MO	--	11
293.	1941 -- Oct 26, tornadoes, Yell, Pope and Ashley Counties, AR	--	19
294.	1942 -- Feb 06, tornadoes, GA	--	13
295.	1942 -- Mar 16, tornadoes, IL, KY, MS, TN, AL, IN	--	145
296.	1942 -- Apr 27, tornadoes, Rogers, Mayes (Pryor), Counties OK	--	56-60
297.	1942 -- Apr 28, tornado, F4, Foard County, TX	--	11
298.	1942 -- Apr 29, tornado, Allen, Bourbon, Linn Counties, KS	--	15
299.	1942 -- May 02, tornadoes (3), multiple counties, OK	--	26
300.	1942 -- June 12, tornado, Oklahoma County, OK	--	35
301.	1942 -- Oct 29, tornado, Carroll County, AR	--	29
302.	1944 -- Apr 10, tornadoes, AR	--	39
303.	1944 -- Apr 16, tornado, Franklin, Hart, Elbert, GA	--	23
304.	1944 -- Apr 16, tornadoes, Anderson/Abbeville/Newberry Counties, SC	--	18
305.	1944 -- June 17, tornadoes, Brown/Codington/Grant/Roberts, SD; Big Stone, MN	--	13
306.	1944 -- June 23, Appalachian tornadoes, WV/103 (esp. Shinnston area), MD/5 PA/45	--	153
307.	1945 -- Feb 12, tornadoes, AL/38 (esp. Montgomery and Sumter counties) and MS/5	--	43
308.	1945 -- Apr 12, tornadoes, OK/102 (Antlers/69; Muskogee Co./13), AR/21, MO/5	--	128
309.	1946 -- Jan 04, TX tornados, esp. Clawson/3, Nacogdoches/10, Palestine/15 areas, east TX	--	30
310.	1946 -- Jan 06, AR/MS tornadoes, esp. Lake Village AR; Coila/Indianola/Sunflower, MS	--	10-11
311.	1946 -- Aug 17, tornadoes, esp. Green Gables tourist camp, Blue Earth Co., MN	--	9-11

²⁵⁶¹ Cross-listed in Fire-Structural. Approximately 40-70 people died in the Cooper Pants Factory fire.

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (continued):

312. 1947 -- Apr 09, tornadoes, Glazier, Higgins TX/69; OK/113-116, esp. Woodward/107-181-185
313. 1947 -- Apr 29, AR/9, MO/15-16, IL, IA tornadoes, especially Worth, MO (13-15) --24-25
314. 1947 -- June 01, tornado, F4, Jefferson County, especially Pine Bluff area, AR -- 35
315. 1947 -- Dec 31, LA-AR tornado, esp. Cotton Valley, LA/14, elsewhere LA/4 and AR/1-- 19
316. 1948 -- Mar 19, tornadoes, MO/4, KY/2, OH/4, IL/33, especially Bunker Hill/19 -- 43
317. 1948 -- Mar 25, OK tornado, especially farm homes near Wetumka and Lenna, OK -- 13
318. 1948 -- Mar 26, tornadoes, Clay/Putnam/Hendricks (esp. Coatesville)/Madison counties, IN--20
319. 1948 -- Nov 05, tornadoes, Madison, Yazoo, Tippah counties, MS -- 10
320. 1949 -- Jan 3, AR tornadoes, especially Warren (55), Bradley County, AR --57-58
321. 1949 -- Mar 26, tornadoes, esp. Lonoke/Clark/Prairie/Woodruff/Jackson counties, AR --18-24
322. 1949 -- May 21, tornadoes, IL/9 deaths, IN/17, MO/25, esp. Cape Girardeau area/23-- 51
323. 1949 -- Nov 24, tornadoes, Blount/4, DeKalb/1 and Tallapoosa/10 counties, east AL-- 15
324. 1949 -- Dec 11, tornadoes, Cross Roads cmt., AR, and esp. Poplar Bluff area, MO -- 10
325. 1950 -- Feb 11-13, tornadoes. Feb 11-12: TX (8) and LA (25). Feb 13: TN (9) -- 42
326. 1950 -- Apr 28, tornadoes, TX/5 deaths: Clyde/3 & Baird/2; Holdenville/5 & Hobart/1, OK-- 11
327. 1952 -- Mar 21-22, tornadoes, AL/4, AR/110-112, MS/9, MO/17, TN/72-75 --212-217
328. 1953 -- Mar 13, tornado, northwest Haskell County to southern Knox County, TX -- 17
1953 -- Apr 18, windstorm and tornadoes, AR (1 death), AL (7), GA (1) -- 9
329. 1953 -- Apr 30, tornadoes, especially Warner Robins area, GA --20-21
330. 1953 -- May 01-02 tornadoes, especially AL (9 deaths, May 1), TN (4 deaths, May 2)-- 13
331. 1953 -- May 10, tornado outbreak, especially MN (8 deaths) and WI (4 deaths) -- 12
332. 1953 -- May 11, tornadoes, Tom Green and McLennan Counties (Waco/114), TX -- 127
333. 1953 -- June 07, tornado, Madsen farm near Arcadia, Nebraska --10-11
334. 1953 -- June 08, tornadoes, MI/125 (especially Flint/115), OH/18 -- 143
335. 1953 -- June 09, F4 tornado; Worcester/60, Holden/9, Shrewsbury/12, Westborough/6, MA-- 94
336. 1953 -- Dec 05, F5 tornado, Warren County, MS, especially Vicksburg, MS -- 38
337. 1955 -- Feb 1, tornadoes/strong winds, Commerce Landing school/20 & Lewisburg/3, NW MS- 23
338. 1955 -- May 25, KS/OK tornadoes, esp. Udall/77, Cheyenne/5, KS; Blackwell, OK/20--104
339. 1956 -- Apr 03, MI tornadoes, especially Hudsonville/14, Standale/4, Benzie Co./2, MI--20
340. 1956 -- Apr 15, tornado, Jefferson County, west and northwest Birmingham area, AL-- 25
341. 1957 -- Jan 22, tornado, Sequoyah County (Gans), OK -- 10
342. 1957 -- Apr 02, tornado, Dallas County, TX -- 10
343. 1957 -- May 15, tornadoes, Lockney, Floyd County/1; Silverton, Briscoe Co./20, TX-- 21
344. 1957 -- May 20, tornado, KS/6 & KC MO suburbs/33, esp. Hickman Mills-Ruskin Heights--39-44
345. 1957 -- May 21, tornadoes, especially Desloge/7, Fremont/6, Van Buren/1, MO --14-15
346. 1957 -- June 20, supercell thunderstorm, tornadoes, Fargo, ND F5 (12), SD (1) -- 13

347. 1957 -- Nov 07, tornado outbreak, LA (8-9), MS (2), TX (3) --13-14
 348. 1957 -- Dec 18, tornadoes, Murphysboro/10, Mt. Vernon/Sand Ridge/Sunfield/1 each, IL-- 13

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (continued):

349. 1958 -- Feb 26, tornadoes, 5 counties, esp. Farmhaven, Madison Co./6, south & cent. MS--13
 350. 1958 -- June 04, tornadoes, esp. Colfax/15, Chippewa Falls/2, Fall Creek-Wien/4, WI-- 28
 351. 1958 -- June 10, tornado, El Dorado, Butler County, KS --13-15
 352. 1959 -- Feb 10, tornado, St. Louis City and County, MO -- 21
 353. 1959 -- Sep 30, Hurricane Gracie tornado, Ivy, Albemarle County VA²⁵⁶² --11-12
 354. 1960 -- May 05, OK tornado outbreak, multiple locales, especially Wilburton (13) OK-- 32
 355. 1961 -- May 05, F4 tornado, Leflore County, OK, especially Howe (12 killed) -- 16
 356. 1962 -- Mar 31, tornado, Milton, Santa Rosa County, FL -- 17
 357. 1963 -- Apr 29, tornadoes, deaths in MO/1, MS/8, TN/3; also: AR, GA, IN, KY, TN-- 12
 358. 1964 -- Jan 24, tornado, Harpersville, AL -- 10
 359. 1964 -- May 08, tornado, Chesterfield Twp., Mount Clemens area, Macomb Co., MI-- 13
 360. 1964 -- Oct 03, tornado (spawned by Hilda), Larose, Lafourche Parish, LA²⁵⁶³ -- 24
 361. 1965 -- Apr 11, storms/Palm Sunday tornado outbreak, IL/IN/IA/MI/OH/WI --260-271
 362. 1965 -- May 06, tornadoes, Anoka/Carver/Hennepin/Ramsey/Sibley counties, MN --13-14
 363. 1966 -- Mar 03, tornado, Hinds/19 (Jackson), Rankin/6, Scott/26, Leake/6 counties, MS-- 57
 364. 1966 -- Apr 04, tornado deaths, Pinellas/3, Polk/8, Hillsborough, Osceola counties, FL-- 11
 365. 1966 -- June 08, tornadoes, Topeka vicinity (16), and Leavenworth County (1), KS -- 17
 366. 1967 -- Apr 21, tornadoes, northern IL, esp. Oak Lawn area (33) and Belvidere (24) -- 58
 367. 1967 -- Apr 30, MN tornadoes, esp. Freeborn (7 deaths), and Waseca (6) counties MN-- 13
 368. 1968 -- Apr 03, tornadoes, AR (6), KY (2), TN (4) -- 12
 369. 1968 -- Apr 19, F4 tornado, Greenwood, Sebastian County, AR -- 14
 370. 1968 -- Apr 23, tornado outbreak, OH, MI, TN, KY -- 14
 371. 1968 -- May 15, tornado outbreak, esp. AR/45, IA/18, IL/8; also, IN, KS, OH, MO -- 71
 372. 1969 -- Jan 23, tornado, esp. Copiah/11, Simpson/12, Smith/9 counties, central MS -- 32
 373. 1969 -- Aug 06, MN tornadoes, especially Roosevelt Lake area/11, MN -- 15
 374. 1970 -- Apr 17-18, tornadoes, TX Panhandle, esp. Sherwood Shores, Donley Co., TX --22-23
 375. 1970 -- May 11, F5 tornado, Lubbock, TX -- 26
 376. 1971 -- Feb 21, tornadoes, Delhi LA/11; MS/110, esp. Pugh City/22, Inverness/19, Cary/14--121
 377. 1971 -- Apr 27, tornadoes, KY/9 (particularly Mt. Pleasant Church area/6), IL (1) -- 10
 1972 -- Apr 05, tornado, Vancouver, Washington -- 6
 378. 1973 -- Mar 31, tornadoes, Rockdale, Walton, Clarke Co's. GA/3, Abbeville Co. SC/7-- 10
 379. 1973 -- May 26, tornadoes, AR/3, Cheney Reservoir KS/3, Keefeton OK/5 -- 11
 380. 1974 -- Apr 3-4, tornadoes, esp. AL, GA, IL, IN, KY, MI, NC, OH, TN, VA/WV--294-342
 381. 1974 -- June 08, tornado, esp. Creek County/13, esp. Drumright/12, Osage Co./1, OK-- 14
 382. 1975 -- Jan 10, tornado outbreak (8), LA/MS/AL -- 11
 383. 1977 -- Apr 04, tornado, Jefferson County, AL -- 22

²⁵⁶² Cross-listed in Hurricanes

²⁵⁶³ Also included in Hurricane Hilda fatality count of 42.

384. 1978 -- June 17, tornado, showboat *Whippoorwill* capsized, Pomona Lake, KS²⁵⁶⁴ -- 16
 385. 1979 -- Apr 10, tornadoes, Red River Valley (esp. Wichita falls, TX), OK/TX --56-57

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (Cont.)

386. 1982 -- Apr 02, tornadoes, 7 counties, esp. Faulkner and Hempstead Co's., AR²⁵⁶⁵ --14-15
 387. 1982 -- Apr 02, tornado, Lamar, Red River Counties, TX -- 10
 388. 1982 -- May 29, F4 tornado, Marion, Williamson County, IL -- 10
 389. 1984 -- April 21, MS (15-16) & TN Tornadoes esp. Water Valley and Philipp, MS --15-16
 390. 1984 -- April 26, Tornado outbreak, IA, MN (1), KS, and especially OK (11) -- 12
 391. 1984 -- June 7, Tornado outbreak, especially WI (9 deaths), IA (3) and MO (1 death)-- 13
 392. 1985 -- May 31, Tornadoes, OH (11 fatalities) and PA (65-67 fatalities) --76-78
 393. 1987 -- May 22, Tornado, Saragosa, Reeves County, TX -- 30
 394. 1987 -- Nov 15, Tornadoes, TX (10 deaths) and LA (1) -- 11
 395. 1989 -- Nov 15, Tornado, Madison County, AL -- 21
 396. 1989 -- Nov 16, Tornado, East Coldenham Elementary School, Newburgh, NY²⁵⁶⁶ -- 9-10

 397. 1990 -- Aug 28, F5 Tornado, Kendall and Will Counties (especially Plainfield), IL -- 29
 398. 1991 -- Apr 26, Tornadoes, KS (18 deaths); OK (4 deaths), esp. Andover area, KS -- 22
 399. 1992 -- Nov 21-23, Tornado outbreak, GA/6 KY/1 MS/15 NC/2 SC/1 TN/1 -- 26
 400. 1994 -- Mar 27, Tornadoes, esp. Cherokee/20, Pickens/9, Lumpkin/3 counties, AL -- 40
 401. 1997 -- Mar 01, Tornadoes; especially AR (27 deaths) MS (1 death) and TN (1)²⁵⁶⁷ -- 29
 402. 1997 -- May 27, Tornadoes, Jarrell (Williamson Co.); Lakeway (Travis Co.) TX --28-29
 403. 1998 -- Feb 22-23, Tornadoes, Orange, Osceola, Seminole, Volusia Counties, FL -- 42
 404. 1998 -- Mar 20, Tornado, Hall (Gainesville Area) and White Counties, GA -- 12
 405. 1998 -- Apr 08, Tornadoes, Oak Grove, Moody Counties, Birmingham, AL -- 34
 406. 1999 -- May 03, Tornadoes (74; 58 in OK); KS (6 deaths) & especially OK (45)²⁵⁶⁸ --51-55

 407. 2000 -- Feb 13-14, Georgia Tornadoes, esp. Camilla, Mitchell County, GA -- 19
 408. 2000 -- Dec 16, Tornadoes, Geneva (1 fatality) and Tuscaloosa (11 deaths), AL -- 12
 409. 2002 -- Nov 10, Tornado outbreak, AL (12) MS (1) OH (5) PA (1) TN (15) -- 34
 410. 2003 -- May 4, Tornadoes, SE KS (8) MO (19) TN (11) esp. Denmark area -- 38
 411. 2005 -- Nov 6, Tornado, Eastbrook Mobile Homes, Evansville & Warrick Co., IN²⁵⁶⁹ --24-25
 412. 2006 -- Apr 2, Tornadoes, high-wind Storms, AR, IL, IN, MO, esp. NW TN --29-30
 413. 2007 -- Feb 2, Tornadoes, Lady Lake and Lake Mack, Lake County, Central FL -- 21
 414. 2007 -- March 1, Tornado outbreak (Prairie, Enterprise), AL -- 10
 415. 2007 -- May 4, Tornado outbreak, Greensburg (11), Hopewell (1), Macksville (1), KS-- 13

²⁵⁶⁴ Cross-listed in Maritime.

²⁵⁶⁵ Fifteenth fatality was indirect – policeman killed at a roadblock leading to damaged area in Faulkner County.

²⁵⁶⁶ Seven children died immediately, two in hospitals shortly thereafter, and one by a car three days later, the driver of which was “gawking” at the tornado damage.

²⁵⁶⁷ Includes one indirect electrocution death in Pulaski County, AR, on March 2, during clean-up; male, 35.

²⁵⁶⁸ We show a range of 51-55 because while we have one National Weather Service source noting 55 fatalities we note several other NWS and NOAA sources noting 45-46. We have been able to identify fifty-one deaths, including five indirect fatalities.

²⁵⁶⁹ The range has to do with whether sources cited include death of stillborn (8 months) Elaina Faith Warren, in Warrick County. Some sources note twenty-four fatalities, and some 25, including stillborn girl as the 25th.

416. 2008 -- Feb 5-6, “Super Tuesday” tornado outbreak, AL, AR, KY, TN --62-63
 417. 2008 -- May 10, tornadoes, Northeast OK and Southwest MO -- 21
 2009 -- Feb 10, tornado, Lone Grove, OK -- 8

TORNADOES – Deadliest American -- **CHRONOLOGICAL** (continued)

418. 2010 -- Apr 24, tornado, central MS (Choctaw, Holmes and Yazoo County deaths) -- 10
 419. 2011 -- Apr 14-16, storms, wind, tornadoes, flash flood, AL, AR., MS, NC, OK, VA²⁵⁷⁰ 46
 420. 2011 -- Apr 25, severe storms, flash floods, tornadoes, Ark. -- 10
 421. 2011 -- Apr 27, tornadoes, storms, flash floods, AL, AR, MS, TN, GA, VA, KY --341-350
 422. 2011 -- May 22, tornado, Joplin, MO --159-163
 423. 2011 -- May 24, tornadoes, OK, KS, Ark -- 17
 424. 2012 -- Feb 30, severe weather, tornadoes, Harrisburg, IL, KS, KY, MO, NE, TN -- 12
 425. 2012 -- Mar 02, tornadoes, Midwest and South, esp. AL, GA, IN, KY, OH, TN -- 39
 426. 2013 -- May 20, tornado, Moore, OK -- 24
 427. 2013 -- May 31, tornadoes, flooding, Oklahoma City region, Central OK²⁵⁷¹ -- 20
 428. 2014 -- Apr 27-28, tornadoes, AR, OK, IA, AL, MS, TN, especially AR and MS -- 37
 429. 2015 -- Dec 23, tornadoes, AR (1 death) MS (10 deaths) and TN (6 deaths) -- 17
 430. 2015 -- Dec 26, tornadoes, north TX, Blue Ridge, Copeville, and esp. Garland, TX -- 11
 431. 2017 -- Jan 21 (MS/4) and Jan 22 (GA/16-17) tornadoes and high wind (FL/1)²⁵⁷² --21-22
 432. 2019 -- Mar 03, tornadoes, esp. EF-4 Lee County (including Beauregard), AL -- 23
433. 2020 -- Mar 02 (late)-3rd (early), tornadoes, central TN, esp. Putnam County/19 -- 24
 434. 2020 -- Apr 13, storms/tornadoes, esp. LA, AR (1), MS (12), GA/8, SC/9, NC/1, TN/3-- 34
 435. 2021 -- Dec 10, tornadoes and severe weather, AR/2, IL/6, KY/76, MO/2, TN/5 -- ≥91
 436. 2023 -- Mar 24, tornado & severe storms MS/25 & AL/1, especially Rolling Fork, MS-- 26
 437. 2023 -- Mar 31, tornadoes, deaths in 7 states; AL/1, AR/5, IL/4, IN/5, MS, TN/15, DE-- 32

²⁵⁷⁰ Cross-listed in Wind Storms – there were deaths due to winds knocking trees down on cars and dwellings, tornadoes, and flash flooding (2).

²⁵⁷¹ Two of the deaths were confirmed as drownings amongst group seeking safety in a storm drain. Not in this total are three flooding deaths in Missouri.

²⁵⁷² Range reflects Albany, GA boy, 2, still missing one month later. The FL death was attributed to high wind.

TSUNAMIS, and “Freak” Wave – Deadliest American – By MORTALITY

1. 1946 -- Apr 01, Aleutian Islands, AK earthquake, tsunami (AK/5, CA/1, HI/159-173)-165-179
2. 1964 -- Mar 27, earthquake & tsunamis, Prince William Sound, AK (also OR, CA) -- 124
--≥106 AK tsunami
-- 13 CA tsunami (11 Crescent City, 1 at Bolinas Bay and 1 Klamath Riv. mouth
-- 5 OR tsunami (4 Beverly Beach State Park and 1 tsunami-related at Seaside)
3. 1960 -- May 23, tsunami, Hilo, HI, from May 22 Great Chilean Earthquake -- 61
4. 1868 -- Apr 02, volcano-induced earthquake and tsunami, Hawaii Island, HI --46-47
5. 2009 -- Sep 29, tsunami, magnitude 8.0 earthquake 120M offshore, American Samoa -- 34
6. 1837 -- Nov 07, tsunami, Islands of Maui and Hawaii, HI --15-≥16

Other:

1. 1942 -- Lake Erie large wave, Cleveland, OH -- 7
2. 1854 -- tsunami Hits Oregon coast, from December 23-24 Japan earthquakes -- 5
3. 1877 -- tsunami in Hawaii from Chilean earthquake, May 10 -- 5
4. 1900 -- Lituya Bay tsunami, Alaska, Aug 11 -- 5
5. 1958 -- July 10, tsunami (quake), southeast Alaska, esp. Lituya Bay & Khantaak Isl., AK-- 5
6. 1894 -- Commencement Bay tsunami, Puyallup River Delta, Tacoma WA, Nov 28 -- 2
7. 1930 -- Southern California tsunami, Redondo Beach, August 31 -- 1
8. 1946 -- Aleutian Islands, Alaska earthquake/tsunami, California only, April 1 -- 1

TSUNAMIS, “Freak” Waves – Deadliest American – Chronological

1. 1837 -- Nov 07, Tsunami, Islands of Maui and Hawaii, HI --15-16
 1854 -- Tsunami Hits Oregon Coast, from December 23-24 Japan Earthquakes -- 5
2. 1868 -- Apr 02, Volcano-induced earthquake and tsunami, Hawaii Island, HI --46-47
 1877 – May 10, Tsunami in Hawaii from Chilean Earthquake -- 5
 1894 – Nov 28. Commencement Bay Tsunami, Puyallup River Delta, Tacoma WA -- 2
 1900 -- Lituya Bay Tsunami, Alaska, August 11 -- 5
 1930 – Aug 31, Southern California Tsunami, Redondo Beach, CA -- 1
 1942 -- Lake Erie Large Wave (not a tsunami), Cleveland -- 7
3. 1946 -- Apr 1, Aleutian Islands, AK Earthquake, Tsunami (AK/5, CA/1, HI/159-173)-165-179
 1958 -- July 10, tsunami (quake), southeast Alaska, esp. Lituya Bay & Khantaak Isl., AK-- 5
4. 1960 -- May 23, Tsunami, Hilo, HI, from May 22 Great Chilean Earthquake -- 61
5. 1964 -- Mar 27, earthquake & tsunamis, Prince William Sound, AK (also OR, CA) -- 124
 --106 AK tsunami
 -- 13 CA tsunami (11 Crescent City, 1 at Bolinas Bay and 1 Klamath Riv. mouth)
 -- 5 OR tsunami (4 Beverly Beach State Park and 1 tsunami-related at Seaside)
6. 2009 -- Sep 29, Tsunami, magnitude 8.0 earthquake 120M offshore, American Samoa-- 34

VIOLENCE²⁵⁷³ – **Master Set** – **Deadliest American** -- **By MORTALITY**

1. 1540 -- Oct 18, Spanish (de Soto) battle/massacre, with Atahachi, Mabila, AL --2,500-6,000
2. 1838 -- May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK²⁵⁷⁴ ~4,000
3. 2001 -- Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA²⁵⁷⁵ --3,064
 - Sep 11, World Trade Center, American 11 and United 175, NY --2,830
 - Sep 11, American Airlines hits Pentagon, Arlington, VA -- 189
 - Sep 11, United Airlines N591UA Crash Shanksville, PA -- 45
4. 1941 -- Dec 7, Attack by Japanese on Pearl Harbor, HI --2,402
5. 1675 -- Dec 19, English colonists massacre Narragansetts, Great Swamp, RI --365-1,100
6. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana²⁵⁷⁶-- 918
7. 1599 -- Jan 21, Spanish (Oñate) massacre Acoma Natives, punitive expedition, NM -300-800
8. 1862 -- Aug 17-23 especially, Dakota “insurrection,” southcentral MN; also IA --750-779
9. 1637 -- May 26, Mystic Massacre, Eng. Colonists attack Pequot vil., Mystic Riv. CT--400-700
10. 1644 -- Feb, massacre, Dutch attack Siwanoy, Petuquapaen, ~Cos Cob, CT²⁵⁷⁷ --500-700

11. 1903 -- Dec 30, trampling, suffocation, Iroquois Theater fire, Chicago, IL²⁵⁷⁸ -- 602
12. 1853 -- late fall, Burnt Ranch Massacre, settlers kill Tolowa/Yontocket, Smith Riv., No. CA--450-600
13. 1644 -- Apr 18 (or Mar 18), Powhatans attack English colonists along James River, VA --400-500
14. 1864 -- July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA -- ~500
15. 1864 -- Sep, general massacre of Yana Natives, Northern CA -->335-500
16. 1942 -- Nov 28, fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA²⁵⁷⁹--498
17. 1863 -- Jan 29, US Army massacre Shoshone, camp on Bear River, Utah Terr., ID --250-493
18. 1813 -- Aug 30, Creeks massacre militia/settlers, Fort Mims, Baldwin Co., AL --250-400
19. 1859 -- late Mar-May, White massacres of Yuki Natives, Round Valley, Mendocino Co., CA --240-400
20. 1864 -- Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC-300-400

21. 1763-64--Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK--≥375
 - 175-188 Russian hunters/sailors killed in retaliation for atrocities and trespass
 - >200 Unangan/Aleut killed by Russians in retaliation.
22. 1876 -- June 25, Battle of the Little Bighorn ~Little Bighorn Riv., SE MT Territory--315-~363

²⁵⁷³ We use Hofstadter’s definition: “Acts of violence...are those which kill or injure persons or do significant damage to property. Acts of force are those which prevent the normal free action or movement of other persons, or which inhibit them through the threat of violence....A line of policemen arrayed against, say, demonstrators or strikers, represents force. Violence begins when they use their weapons.” (Richard Hofstadter and Michael Wallace (Eds.), *American Violence: A Documentary History*. Vintage Books, 1970, 9.)

²⁵⁷⁴ Also referred to as Cherokee Trail of Tears as well as a “forced-march” relocation. Geographic area of coverage comes from sources in Narrative document and map in Thornton (1990) from Morris, Goins and McReynolds ([1965] 1986:20), entitled “The Trail of Tears.” Shows two Cherokee relocation routes from area encompassing north/northwest GA, southwest NC, southeast TN and northeast AL. One route is northwest through TN into KY, westward to southern IL, then down into southeastern MO, into northern Ark. and then westward into OK. Second route was westward through TN and AR to OK.

²⁵⁷⁵ The four planes involved are each cross-listed in Aviation.

²⁵⁷⁶ Northeast South America, with Venezuela to the west, Brazil to the south and southwest and Suriname to the east. All were from the U.S. except for a number of adopted Guyana children.

²⁵⁷⁷ Some place massacre in Westchester County, NY (Dinan. “Historians Sift Clues...” *Greenwich Time*, 3-5-2006.)

²⁵⁷⁸ Cross-listed in Fire-Structural.

²⁵⁷⁹ Cross-listed in Fire-Structural.

23. 1890 -- massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD -- 350
 24. 1622 -- Mar 22, Jamestown Massacre, Natives attack, Jamestown Colony, VA -- 347
 25. 1836 -- Mar 27, Mexican Pres. Santa Anna orders execution of TX prisoners, Goliad, TX-- 342

VIOLENCE – Deadliest American – By MORTALITY (continued)

26. 1676 -- May 19, Eng. colonists massacre Natives, Peskeompskut, Turners Falls, MA--200-300
 27. 1712 -- Jan 28, NC/SC militia, Indian allies retaliate against Tuscarora, Craven Co. NC-- 300
 28. 1729 -- Nov 28, Ft. Rosalie Massacre, French colonists by Natives, Natchez, MS --200-300
 29. 1813 -- Nov 03, Tallushatchee Battle/massacre, Gen. Coffee destroys Creek village, AL--300
 30. 1851 -- massacre, white miners burn Wintu Council House, Old Shasta, CA -- 300
 31. 1863 -- Sep 03, massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill, ND--150-300
 32. 1864 -- Apr 12/13, massacre, Confederates kill captives, esp. Blacks, Fort Pillow, TN -- ~300
 33. 1868 -- Sep 28, Opelousas Massacre begins (racial/political), St. Landry Parish, LA--150-300
 34. 1876 -- Dec 05, fire, trampling, suffocation, Conway Theater, Brooklyn, NY²⁵⁸⁰ --284-300

 35. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland²⁵⁸¹ --(189 U.S.) 270
 36. 1836 -- Feb 23-Mar 06, fall of the Alamo, Texans revolt from Mexico -- 257
 37. 1860 -- whites attack Yuki Natives near Round Valley, Mendocino County, CA -- 250
 38. 1860 -- Feb 26, whites massacre Natives, Indian Isl. & Humboldt Bay vic., CA -->100->250
 39. 1983 -- Oct 23, terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon -- 241
 40. 1859 -- May, whites massacre Yuki Natives, Round Valley, Mendocino County, CA -- 240
 41. 1861 -- Late Sep, Horse Canyon Massacre, whites/Natives attack Wailaki, Round Val. CA--100-240
 42. 1870 -- Jan 23, Baker Massacre/2nd Cav. of Piegan camp, Marias River, MT Terr. --173-217
 43. 1999 -- Oct 31, mass murder, Egypt Air Flight 990 crash, off Nantucket Is. MA²⁵⁸² -- 217
 44. 1940 -- Apr 23, Rhythm Night Club fire, suffocation, trampling, Natchez, MS -- 209

 45. 1539 ---Sep 16, Napituca Massacre, Hernando de Soto executes Timucuan, No. Cen. FL-30-200
 46. 1623 -- May 12, Cpt. Tucker VA party poison/kill Powhatans, Patawomeck, VA --150-200
 47. 1690 -- May 20, massacre, French/Indians attack settlers, Falmouth (Portland), ME--120-200
 48. 1784 -- Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK -->200
 49. 1850 -- May 15, Bloody Island Massacre, US Army attacks Pomo, Clear Lake, CA --60-200
 50. 1874 -- Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR -->200
 51. 1917 -- July 1-3, especially July 2, East St. Louis anti-Black race riots, IL --48-200
 52. 1919 -- Sep 30-Oct 2, racial violence, Hoop Spur, Elaine vic., Phillips Co., AR --100-200

 53. 1863 -- Aug 21, atrocity/war crime, Quantrell’s Raiders, Lawrence, KS -- 191
 54. 1757 -- Aug, Natives massacre garrison after surrender, Fort William Henry, NY -- ~184
 55. 1908 -- Mar 04, fire, trampling, suffocation, Lakeview School, Collinwood, OH²⁵⁸³--172-178
 56. 1846 -- Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA-->175
 57. 1908 -- Jan 13, fire and trampling, Rhoads Opera House, Boyertown, PA²⁵⁸⁴ --169-175

²⁵⁸⁰ Cross-listed in Fire-Structural

²⁵⁸¹ Sub-listed in Terrorism and cross-listed in Aviation.

²⁵⁸² Cross-listed in Aviation.

²⁵⁸³ Cross-listed in Fire-Structural

²⁵⁸⁴ Cross-listed in Fire-Structural

VIOLENCE – Master Set -- Deadliest American – By MORTALITY (continued)

58. 1995 -- Apr 19, terrorism, Alfred P. Murrah Federal Bldg. Bombing, Oklahoma City²⁵⁸⁵--168
59. 1800 -- Feb 01, U.S. Frigate *Constellation* engagement with French *La Vengeance*²⁵⁸⁶-- 160
60. 1852 -- Apr 23, Bridge Gulch Massacre, whites attack Natives ~Hayfork, No. CA --140-153
61. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK-- ≤150
62. 1833 -- Early Sum., Cutthroat Gap Massacre, Osage attack Kiowa, ~Saddle Mt., OK -- ~150
63. 1857 -- Sep 03, Massacre, Col Harney Attacks Sioux Camp, Bluewater Creek, NE -- 150
64. 1862 -- Oct 24, Massacre of Tonkawa by pro-Union Natives near Anadarko, OK --136-150
65. 1864 --Apr 25, Rebels murder runaway slaves with Union force, Marks' Mills, AR->100-150
66. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO --130-150
67. 1866 -- May 19-21, Massacres of Chinese Miners by Natives, Battle Creek vic., OR --50-150
68. 1871 -- Apr 30, massacre of Apache, Camp Grant Arivaipa, Arizona Territory --125-150
69. 1850 -- "Friendship Feast," Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA-- 145
70. 1565 --Sep 20, Massacre, Spanish troops kill male French colonists, Ft. Caroline, FL²⁵⁸⁷~140
71. 1711 -- Sep 22, Tuscarora Massacre of White Settlers, Bath County, NC -->130-140
72. 1840 -- Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX --110-140
73. 1857 -- Sep 11, Mt. Meadows Massacre, Mormons/Paiutes attack Wagon Train, UT--120-140
74. 1877 -- July 17-27, Great Railroad Strike, workers vs. police/military, esp. WV/MD/IL/PA/NY/OH--100-137
75. 1676 -- Jul 02, Massacre, Eng. Colonists attack Narragansett camp ~Providence, RI-100-126
76. 1877 -- Aug 9-10, Battle of the Big Hole, US Army attacks Nez Perce, Beaverhead Co., MT--91-121
77. 1643 -- Feb 25, New Amsterdam Dutch massacre Natives, Pavonia [NJ]²⁵⁸⁸ --80-120
78. 1644 -- Early (Jan?), Massacre, Dutch and English attack Mespeth (Long Island, NY) -- 120
79. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY --105~120
80. 1902 -- Sep 20, Panic/Stampede, Shiloh Baptist Church Birmingham, AL -- 115
81. 1941 -- Oct 31, Attack, USS *Reuben James* Sunk, German Submarine, near Iceland²⁵⁸⁹-- 115
82. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana --67-105
83. 1868 -- Nov 27, "Battle" of the Washita, Custer attacks Cheyenne village, OK -- 103
84. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
85. 1542 --~Mid-May, Massacre, de Soto's men attack Natives in Nilco province town, AR--~100
86. 1655 -- Sep 15-18,²⁵⁹⁰ Natives attack Dutch in New Netherland (NY and NJ) --16-100
87. 1724 -- Aug 23, Massacre, colonial militia attack Abenaki village, Norridgewock, ME~80-100

²⁵⁸⁵ Cross-listed in Explosions and in Fire-Structural.

²⁵⁸⁶ Cross-listed in Maritime

²⁵⁸⁷ Today's Jacksonville.

²⁵⁸⁸ Giersbach writes that the attack site was today's Corlaer's Hook, Jersey City. *Wikipedia* has it that Pavonia was "on the west bank of the North River (Hudson River)...in what would become today's Hudson County, New Jersey." (*Wikipedia*. "Pavonia, New Netherland," 11-11-2012 modification.)

²⁵⁸⁹ Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.

²⁵⁹⁰ These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

88. 1771 -- May 16, "Regulators" uprising, Battle of Alamance, near Burlington, NC --26~100
 89. 1790 -- Jan late, Olowalu Massacre, Cpt. Metcalfe, *Eleanora*, fires on Native canoes, Maui >100
 90. 1855 -- Jan 01, settlers massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA --30->100
 91. 1863 -- July 11-17, New York Draft Riots, NY -- 100
 92. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory --~100
 93. 1876 -- Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken & Barnwell Co's. SC --25-100
 94. 1921 -- May 31-Jun 1, Race Riot, whites attack blacks, Greenwood area, Tulsa, OK²⁵⁹¹-39-100
 95. 2003 -- Feb 20, fire, trampling, Station Nightclub, West Warwick, RI²⁵⁹² -- 100

VIOLENCE – **Master Set** -- **Deadliest American** – **By MORTALITY** (continued)

96. 1812 -- Aug 15, Pottawatomie Massacre of Soldiers/Homesteaders, Fort Dearborn, IL -- ~98
 97. 1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico²⁵⁹³ -- 97
 98. 1782 -- Mar 08, Massacre of noncombatant Indians by PA militia, Gnadenhutten, OH -- 96
 99. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY²⁵⁹⁴ -- 87
 100. 1637 -- Massacre of Leni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80
 101. 1876 -- June 17, Battle of Rosebud Creek, USA/Crow/Shoshoni vs Lakota/Cheyenne, Big Horn Co., MT--29-77
 102. 1675--Sep 18-19,²⁵⁹⁵ Bloody Brook Massacre, Natives attack wagon train, S. Deerfield, MA-59-76
 103. 1692 -- Jan 25, Massacre, French and Indians attack English colony, York, ME ---50-75
 104. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA-- >75
 105. 1864 -- Feb 20, Atrocity, Confederates kill wounded black US soldiers, Olustee, FL--25-75
 106. 1913 -- Dec 24, Crushing/Trampling Italian Hall Disaster, Calumet, MI --73-75
 107. 1993 -- April 19, FBI/ATF attack Branch Davidian Compound/fire ~Waco, TX²⁵⁹⁶ -- 75
 108. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA-- 72
 109. 1855 -- Sep, "Cpt." Jarboe force Massacres Achomawi Natives, Pit River village, CA-->70
 110. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70
 111. 1873 -- Aug 5, Dakota/Sioux war party attack Pawnee camp, Massacre Canyon, NE-- ~70
 112. 1704 -- Feb 29, massacre, French and Native allies attack Deerfield, MA²⁵⁹⁷ -- 68
 113. 1676 -- July 3, 4, massacre, Eng. Colonists attack Narragansetts, Warwick Neck, RI- 40-67
 114. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA-55-65
 115. 1983 -- Apr 18, terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
 116. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA--62

²⁵⁹¹ A chapter on the death toll (Clyde Snow) in the report of the 2001 Oklahoma Commission to Study the Tulsa Race Riot of 1921, notes a documented death toll of 39. We have a long footnote in our document on this event accessed via the Spreadsheet which explains why we choose the number 100 as the high-end of our range. Most accounts today report a death toll of up to 300, if not more. The 300 number derives from a 1921 Red Cross report which noted it was one estimate heard, while another was 55, and that the actual number was unknown. The number 300 is a guesstimate of the time not based on documentation, nor any other form of actual counting.

²⁵⁹² Cross-listed in Fire-Structural

²⁵⁹³ Cross-listed in Fire-Structural and in Violence subsection of Mass Murder.

²⁵⁹⁴ Cross-listed in Fire-Structural

²⁵⁹⁵ Both dates are used, apparently depending on whether old style or new style dating is applied.

²⁵⁹⁶ In addition on Feb 28, 1993 10 died in a shootout when a large force (~100) of U.S. ATF agents attempted to serve David Koresh – four ATF agents and six Davidians.

²⁵⁹⁷ Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, 20 captives.

117. 1703 -- Aug 10, French & Indians attack So. coastal ME, esp. greater Portland vic. -- ≥61
 118. 1813 -- Nov 18, Hillabee Massacre, US Troops attack Creek Vil. suing for peace, AL-- 61
 119. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME -- 60
 120. 1832 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI-- < 60
 121. 1853--fall, White/Chinese retaliatory attack re. Natives, Feather Riv., Butte Co., CA-40-60
 122. 1871 -- Boyne Day Parade and Religious “Orange Riot,” NYC, July 12 -- < 60

VIOLENCE – **Master Set** -- **Deadliest American** – **By MORTALITY** – continued:

123. 2017 -- Oct 1, shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV²⁵⁹⁸ --58-59
 124. 1875 -- Sep 4-6, racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS --37-57
 125. 1884 -- Mar 28-30, Hamilton County Courthouse riots, Cincinnati, OH --45-56
 126. 1868 -- July 15, political/racial riot, Millican, TX -- 6-55
 127. 1831 -- Aug 23-31, white response to Turner revolt, blacks killed without trial, VA/NC---32--54
 128. 1992 -- April 29-May 4, riots following Rodney King Verdict, Los Angeles, CA --53-54
 129. 1877 -- Sep 30-Oct 5, Battle of Bear Paw, US Army attack fleeing Nez Perce, NW MT--53
 130. 2022 -- June 27, tractor trailer found with dead/dying migrants inside, San Antonio TX-- 53
 131. 1741 -- Mar, alleged slave uprising, blacks burned and hanged, NYC, NY --33-52
 132. 1778 -- May 30, Loyalists and Indians attack Cobus Kill Settlement, NY -- ~52
 133. 1541/42 winter, Coronado’s Expeditionaries burn-at-stake Tiwa Natives, NM²⁵⁹⁹ --40-50
 134. 1676-- Jun 12, Mohawks massacre native camp whose men were attacking Hadley, MA-50
 135. 1851 --Jan 11, whites attack natives, Mt. ~No. Fork, San Joaquin Ri., Mariposa Co., CA--23-50
 136. 1874 -- Dec 07, massacre, whites attack blacks, Vicksburg, MS -- 50
 137. 1887 -- Nov 23-25, racial/labor violence, striking sugarcane workers, Thibodaux LA²⁶⁰⁰-30->50
 138. 1921 -- Aug 27-Sep 3, Battle of Blair Mt., miners vs. operators, Logan Co., WV –16->50
 139. 2016 -- June 12 -- shooting/terrorism/hate-crime, gay nightclub, Orlando, FL --²⁶⁰¹50
140. 1859 ~late Aug,²⁶⁰² McElroy party massacres Natives, Roff’s Ranch, Pitt Ri. vic., CA- ≥49
 141. 1778 -- Nov 11, massacre, women/children, Loyalist/Seneca Force, Cherry Valley NY-- 48
 142. 1866 -- May 1-3, racial riots, Irish police lead riots against blacks, Memphis, TN²⁶⁰³--46-48
 143. 1866 -- July 30, racial/political “riots”, blacks seeking rights, New Orleans, LA --38-48
 144. 1927 -- May 18, dynamite bombing, Bath Township Consolidated School, MI²⁶⁰⁴ -- 46
 145. 1968 -- Apr 04-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC --42-46
 146. 1962 -- May 22, mass murder, Continental Flight 11 blown-up over Unionville, MO²⁶⁰⁵--45
 147. 1955 -- Nov 01, United 629 blown-up (relative of passenger bomb), Longmont, CO -- 44
 148. 1959 – Nov 16, National Air Flight 967 crashes, suspected sabotage, Gulf of Mex.²⁶⁰⁶-- 42

²⁵⁹⁸ Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.

²⁵⁹⁹ Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”

²⁶⁰⁰ There were unconfirmed reports of up to 300 fatalities.

²⁶⁰¹ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

²⁶⁰² Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.

²⁶⁰³ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire.

²⁶⁰⁴ Kehoe’s bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster’s father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of “lingering injuries.” Cross-listed in Violence subsets of Bombings and School Shootings/Bombings.

²⁶⁰⁵ Cross-listed in Aviation.

149. 1964 -- May 07, mass murder, pilot shot, Pacific Air 773 crashes, San Ramon, CA,²⁶⁰⁷-- 44
 150. 1967 -- July 23-26, Detroit racial riots and excessive use of Governmental force, MI-- 43
 151. 1987 -- Dec 7, mass murder, Pacific SW flight 1771 hijacked/crashed, Cayucos, CA²⁶⁰⁸--43
 152. 1840 -- Mar 19, Council House Fight, peace party Comanches (35), San Antonio, TX-- 42
 153. 1959 -- Nov 16, mass murder, National Airlines 967 brought down, Gulf of Mexico²⁶⁰⁹--42
 154. 1971 -- Sep 9-13, government force, Attica Prison riot/revolt and assault, Attica, NY²⁶¹⁰--42
 155. 1977 -- June 26, arson fire, Maury County Jail, Columbia, TN²⁶¹¹ -- 42
 156. 1852 -- Nov, Ben Wright massacre of Modocs, peace talks, Lost Ri., Tule Lake, CA--30-41
 157. 1855 -- Oct 08, Lupton Massacre, whites attack natives near Upper Table Rock, OR--23-41
 158. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia--41
 May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23
 May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
 May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
 May 14, USAF Marine killed in combat with Khmer Rouge, Koh Tang -- 1
 May, captured Marines inadvertently left behind, executed, Cambodia -- 3

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued):

159. 1616 -- George Yeardley, Dep. Gov. of Virginia Colony, Attacks Chickahominy --12-40
 160. 1640 -- Spanish hang Natives who will not renounce their faith, present day NM -- 40
 161. 1676 -- Sep 25, Massacre, Natives destroy settlement at Cape Neddock, ME -- 40
 162. 1697 -- March 15, Massacre; Natives attack English settlers, Haverhill, MA -- ~40
 163. 1758 -- Apr 28, Massacre of Settlers by Shawnee, Fort Sybert/Seybert, WV -- >40
 164. 1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40
 165. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA-30-40
 166. 1854 -- May 15~, Asbill party kill Yukis, Round Valley, Mendocino County, CA --32--40
 167. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA-->40
 168. 1857 -- Mar 8-9, Massacre, Wahpetuke Dakota (Sioux) attack Spirit Lake IA --35-40
 169. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
 170. 1859 -- summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA--40
 171. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK-≤40
 172. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA--40
 173. 1879 -- Oct 11-19, Apache Massacre settlers, CO and NM --21-40
 174. 1906 -- Sep 22-26, race rioting, Atlanta, GA --25-40
175. 1860 -- fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR -- 39
 176. 1861 --~Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA-13-39
 177. 1971 -- Sep 9-13, Attica Prison Riot and Government Re-taking of Prison, Attica, NY-- 39
 178. 1997 -- ~March 23, Mass Suicide, Heaven's Gate Cult, Rancho Santa Fe, CA -- 39

²⁶⁰⁶ Cross-listed in Aviation. Presumed explosion thought to be for collection of insurance.

²⁶⁰⁷ Cross-listed in Aviation.

²⁶⁰⁸ Cross-listed in Aviation.

²⁶⁰⁹ Cross-listed in Aviation.

²⁶¹⁰ Cross-listed in Violence-Revolt/Riots.

²⁶¹¹ Cross-listed in Fire-Structural and in Violence subset of Arson.

179. 1862 -- Dec 26, mass hanging of Dakota Natives accused of 1862 war massacres, Mankato, MN²⁶¹²--38
 180. 1874 -- Sep 14, White League vs. Republican race/politics battle, New Orleans LA --27-38
 181. 1919 -- July 27-31 (dates of major rioting and deaths), Race Riots, Chicago, IL -- 38
 182. 1920 -- Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY²⁶¹³--30-38

VIOLENCE – **Master Set** – **Deadliest American** -- **By MORTALITY** (continued):

183. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf²⁶¹⁴ -- 37
 184. 1676 -- Feb 10, massacre, Nipmuc Natives attack Lancaster, MA --34-35
 185. 1800 -- Aug 30, Gabriel's Rebellion/Slave Uprising/Mass Hanging, Richmond, VA -- 35
 186. 1863 -- Apr 19, Keyville Massacre, US Army attacks Natives, near Keyville, CA -- 35
 187. 1869 -- May 9, skirmish, settlers vs Natives on ~Musselshell River mouth, Montana Terr.--~35
 188. 1882 -- June, Slave Insurrection Conspiracy Charge, Executions, Charleston, SC -- 35
 189. 1877 -- June 17, battle, Nez Perce vs. 2 companies 1st Cavalry, White Bird Canyon, ID--US 34
 190. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR-- 31-34
 191. 1943 -- June 20-22, Detroit racial rioting, MI -- 34
 192. 1960 -- Jan 06, mass murder, National Air Flight 2511 Blown-up, Bolivia, NC²⁶¹⁵ -- 34
 193. 1965 -- Aug 11-17, Watts Race Riots, Los Angeles, CA -- 34
 194. 1967 -- June 8, Attack, USS *Liberty* by Israeli Air and Naval Craft, near Sinai Penn.-- 34
 195. 1950 -- Oct 29-Nov 6,²⁶¹⁶ Independence uprisings multiple locations, Puerto Rico -- ~33
 196. 1980 -- Feb 2-3, NM State Penitentiary uprising/inmate killings, near Santa Fe, NM-- ≥33
 197. 2007 -- Apr 16, Virginia Tech Shootings, Blacksburg, VA²⁶¹⁷ --32-33
 198. 1632 -- Nov, massacre at Fort Zwaanendael (Lewes), first Dutch Del. Colony -- 32
 199. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA --20-32
 200. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA~32
 201. 1973 -- June 24, arson fire, gay UpStairs Cocktail Lounge, New Orleans, LA²⁶¹⁸ -- 32
 202. 1856 -- Feb 22/23, Natives attack garrison & settlers, Rogue River, Whaleshead vic., OR-31
 203. 1877 -- July 10, Chief Joseph's Nez Perce Massacre Chinese, Clearwater River, ID --30-31
 204. 1969 -- Apr 14, attack, Navy EC-121M Shot Down by North Korea, Sea of Japan²⁶¹⁹-- 31
 205. 1690 -- Mar 18, massacre, French & Indians attack settlers, Salmon falls, NH²⁶²⁰ -- 30
 206. 1690 -- Mar 18, massacre, French & Indians attack settlers, Salmon falls, NH -- 30

²⁶¹² See Aug 17-Sep, 1872 entry above noting the deaths of 300-650 MN white settlers in the "uprising."

²⁶¹³ Cross-listed in Violence-Bombing, violence Mass Murder and in Violence-Terrorism.

²⁶¹⁴ Cross-listed in Maritime.

²⁶¹⁵ Cross-listed under Aviation.

²⁶¹⁶ Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.

²⁶¹⁷ Shooter killed 32 students and faculty; then committed suicide. Thus "33" includes the shooter.

²⁶¹⁸ Cross-listed in Fires-Structural and in Violence subset of Mass Murder.

²⁶¹⁹ Cross-listed in Aviation.

²⁶²⁰ There were apparently several fatalities across the river in Berwick, Maine, but the majority of the fatalities were in Salmon falls, which was wiped out (killed and captured) and burnt to the ground.

207. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga NY-- 30
 208. 1849 -- May 10, Astor Place Opera House riot & government response, NYC --16-30
 209. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9~30
 210. 1863 -- Apr 11, Chilula Massacre by Hoopa/Chilulas ~Stone Lagoon, Humboldt Co., CA~30
 211. 1863 -- early spring-July, 2nd Dakota attack against settlers and military run-ins, MN²⁶²¹~30
 212. 1871 -- Cowboys (4) Massacre Yahí women/children, Kingsley Cave, Tehama Co., CA~30
 213. 1871 -- Mar 6-7 approximately, Racial Violence, Meridian, MS --25-30
 214. 1918 -- Oct 04, attack, steamer *San Sabo* hits mine, 15 miles SW of Barnegat, NJ²⁶²²-- 30

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued):

215. 1970 -- Dec 20, mass murder arson fire, Pioneer International Hotel Tucson, AZ -- 29
216. 1861 --May 10, Camp Jackson Affair, Union German unit kills Civilians, St Louis, MO^{≥28}
 217. 1862--Aug 10, Rebel cav. attacks fleeing Germans, Nueces River, Kenney Co., TX²⁶²³9-28
 218. 1865-Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY²⁶²⁴19-28
 219. 1885 --Sep 2, labor/racial violence/massacre, Chinese miners, Rock Springs WY²⁶²⁵-- 28
 220. 1910 -- July 29-30, racial rioting, whites attack blacks, Slocum, TX and vicinity --18-28
 221. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA²⁶²⁶ --25-28
 222. 2012 -- Dec 14, mass shooting, Sandy Hook Elementary School, Newtown, CT²⁶²⁷ --27-28
223. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA-- 27
 224. 1859 -- ~Nov 24, Jarboe's Eel River Rangers attack Natives, Round Valley vic., CA-- ≥27
 225. 1864 --Sep 27, train robbery/murders, Bill Anderson/Jesse James, Centralia MO²⁶²⁸--22-27
 226. 1895 -- Dec 27, fire panic and trampling, Front Street Theater, Baltimore, MD -- 27
227. 1697 -- Sep 11, massacre, Natives attack Lancaster, MA --21-26
 228. 1854 -- Feb 15, Miller group massacres Chetco Natives, Chetco River mouth, SW OR--~26
 229. 1874 -- Aug 30, racial/political Coushatta Massacre, Coushatta to Shreveport, LA --10-≥26
 230. 1898 -- Nov 10, racial and political violence (local coup d'état), Wilmington, NC --22-26
 231. 1911 -- Aug 26, trampling/suffocation, Opera House, Canonsburg, PA -- 26
 232. 1967 -- July 12-17 (esp. 13th), police violence and racial rioting, Newark, NJ²⁶²⁹ --23-26
 233. 1980 -- Dec 04, fire, Conference Ctr. at Stouffer's Inn (possibly arson),²⁶³⁰ Harrison, NY--26

²⁶²¹ Only some of the fatalities were due to a massacre – the Dustin family massacre while on the road, with four killed, was the most widely reported at the time.

²⁶²² Cross-listed in Maritime.

²⁶²³ The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

²⁶²⁴ A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without controversy.

²⁶²⁵ Cross-listed under Violence-Racial.

²⁶²⁶ Cross-listed in Explosions and in Fires/Structural – approximately half of the fatalities were due to crushing.

²⁶²⁷ Shooter killed 27 – 20 children and 6 adults at the school, plus his mother at home. Then committed suicide (28).

²⁶²⁸ Cross-listed in Violence-Civil War Atrocities/War Crimes and in Violence-Mass Murder. “Several” or “some” of the fatalities, which we translate as “3” were Centralia residents, not train passengers. The range for train killed generally runs from 22-25, mostly unarmed Union soldiers.

²⁶²⁹ One death was a drug overdose. Have not been able to determine why this was attributed to the rioting. There were twenty-three shooting deaths, an allegedly riot-related heart attack, and a vehicular related death.

²⁶³⁰ A waiter was charged with arson and 26 counts of murder and found guilty by jury; the presiding judge, though, overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

234. 2017 -- Nov 05, mass shooting, First Baptist Church, Sutherland Springs, TX -- 26

VIOLENCE – **Master Set** – **Deadliest American** -- **By MORTALITY** (continued):

235. 1803 -- March, massacre, crew of American ship *Boston*, Nootka, Vancouver Isl.²⁶³¹-- 25
236. 1914 -- Apr 20, gov. force, Ludlow Massacre (CO NG attacks mining strikers)²⁶³² --18-25
237. 1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ²⁶³³ -- 25
238. 1971 -- Feb 25-May 21, Juan Corona migrant farm worker killings, ~Yuba City, CA-- 25
239. 1976 -- Oct 24, arson fire, Puerto Rican Social Club, Bronx, NY -- 25
240. 1982 -- Sep 4, mass murder/arson, Dorothy Mae Apartments/hotel, Los Angeles, CA-24-25
241. 1663 -- June 7, massacre, Natives attack Dutch at Wiltwyck (Kingston NY) and vic. -22-24
242. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME-23-24
243. 1862 -- Aug, massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA-23-24
244. 1910 -- July 03-05, race riots/violence, result of Jack Johnson defeat of Jim Jeffries --18-24
245. 1939 -- Aug 12, sabotage, train derails, South Pacific Railroad, Carlin, NV²⁶³⁴ -- 24
246. 1974 -- June 30, fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY -- 24
247. 1976 -- Jan 30, arson fire, Wincrest Nursing Home, Chicago, IL²⁶³⁵ -- 24
248. 1991 -- Oct 16, rampage shooting, Luby's Restaurant, Killeen, TX²⁶³⁶ --23-24
249. 2003 -- Oct 25-Nov 4, arson wildfires (esp. Cedar, Old Fire, Paradise), Southern CA²⁶³⁷ --22-24
250. 1677 -- leaders of Bacon's Rebellion (colonists vs. Gov. Berkeley) hanged in VA --22-23
251. 1689 -- June 27, massacre, Penacook attack English colonists, Cochecho (Dover) NH-- 23
252. 1812 -- Sep 04-05, massacre of settlers, by Shawnee, Pigeon Roost Settlement, IN -- 23
253. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX-15-23
254. 1851 -- Jun 10, Battle Rock battle, would-be settlers kill natives when attacked, Port Orford, OR-13-23
255. 1863 -- Aug 4, massacre, Confederates kill captured Union black soldiers, Jackson, LA--23
256. 1922 -- June 21-22, union miners murder non-union men and guards ~Herrin, IL²⁶³⁸-- 23
257. 1689 -- Aug 28, massacre, natives attack settlers from Huckin's garrison, NH --21-22
258. 1694 -- July 27, massacre, natives attack settlers, Groton, MA --20-22
259. 1760 -- Feb, massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC--22
260. 1763 -- Jun 02, massacre, Fort Michilimackinac, MI, Ojibwas and Sacs attack -- 22
261. 1779 --Feb 14, boat theft, hostage-taking attempt, violence, Cpt. James Cook/Hawaiians-22

²⁶³¹ Cross-listed in Violence – Massacres of Whites by Natives.

²⁶³² Cross-listed in Violence Subsets – Governmental Use of Force and in Labor-Related.

²⁶³³ Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.

²⁶³⁴ Cross-listed in Rail.

²⁶³⁵ Cross-listed in Violence-Arson.

²⁶³⁶ Twenty-three killed by the shooter, George Hennard, who killed himself after being wounded by police.

²⁶³⁷ Cross-listed in Fires – Forest, Prairie and Wildfires.

²⁶³⁸ Two striking union-miners were killed by mine guards June 21 when attacked by striking miners. Another died of wounds on July 13. 19-20 non-union miners and mine guards were murdered on June 22 by union miners. (The coroner's records turned over to a grand jury indicated 20 nonunion men, while records of undertakers who buried them indicated 19 burials; 19 was the number used in great majority of accounts.) On Oct. 2 Ignus Kubins, a hospitalized nonunion miner died of his wounds. Thus, there were 23 certain deaths, and possibly more. There were reports of missing men, of men tossed into a pond or drowned in a river while attempting to escape, and of men burned and consumed in the burning of railroad cars at the strip mine.

262. 1849 -- Mar Ore. miners kill Maidus, American River, Weber's Creek, Coloma, CA-- >22
 263. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks natives, Rogue Ri. Vly., OR--~12-22
 264. 1855 -- Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY-22
 265. 1944 -- Mar 28, arson fire, New Amsterdam Hotel, San Francisco, CA²⁶³⁹ -- 22
 266. 2019 -- Aug 03, white supremacist lone gunman mass shooting, Walmart, El Paso, TX-- 22

VIOLENCE – **Master Set** – **Deadliest American** -- **By MORTALITY** (continued):

267. 1690 -- ~Sep 15, massacre, English attack native village, NW of Brunswick, ME -- 21
 268. 1712 -- Apr 06, violence, fear of insurrection of blacks, executions, NY, NY -- 21
 269. 1856 -- June 2-3 USA Cpt. Augur & Vols. attack natives, Painted Rock Rogue Ri., OR >21
 270. 1871 -- Oct 24, racial violence and massacre, Chinatown, Los Angeles, CA -- 21
 271. 1877 -- July 11-12, Battle of the Clearwater, US Army attacks Nez Perce, Idaho Co., ID-- 21
 272. 1884 -- June 04, infant bodies found, Nivison Home for Infants, Hammonton, NJ -- 21
 273. 1888 -- Aug 16, racial violence, white Regulators attack blacks, Freetown, LA --10-21
 274. 1904 -- June 6-8, labor violence, bombing/shooting, Cripple Creek, Teller County, CO-- 21
 275. 1905 -- Apr 06-July 19, labor violence, Teamsters' strike and riots, Chicago, IL -- 21
 276. 1905 -- June 21, sabotage, train derails, Twentieth Century Ltd., Mentor, OH²⁶⁴⁰ --19-21
 277. 1910 -- Oct 01, labor violence, Trade Unionist bombing, *LA Times*, Los Angeles, CA-- 21
 278. 1915 -- Oct 28, fire, trampling, St. John's Parochial School, Peabody, MA²⁶⁴¹ -- 21
 279. 1922 -- July 17, striking miners attack Saledka mine, Sheriffs men, Cliftonville, WV--9-21
 280. 1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ²⁶⁴² -- 21
 281. 1984 -- July 18, mass killing, James Oliver Huberty, McDonald's, San Ysidro, CA -- 21
 282. 2003 -- Feb 17, stampede/crushing/asphyxiation, E2/Epitome Night Club, Chicago, IL-- 21
 283. 2022 -- May 24, Robb Elementary School shooting (19 students 2 teachers killed) Uvalde TX-- 21
284. 1541, ~Mar 10, Hernando de Soto forces & "Chicasa" battle and "slaughter," MS²⁶⁴³-- >20
 285. 1643-- fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT-18-20
 286. 1724 -- Natives attack Maine fishing posts taking 22 vessels/killing at least 20 men -- >20
 287. 1763 -- Wyoming Flats (Luzerne County, PA) massacre of settlers -- ~ 20
 288. 1763 -- Dec 14 & 27, massacres, *Paxton Boys* kill Natives, Conestoga & Lancaster, PA-- 20
 289. 1780 -- May 26, violence, massacre of settlers near St. Louis, MO -- ~20
 290. 1837 -- Spring, Santa Rita/John Johnson massacre, Apache trading party, SW NM -- 20
 291. 1852 -- Jul 17, whites attack Rogue River natives, Big Bar, near Table Rock, OR -- 4-20
 292. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama --16-20
 293. 1858 -- Early-mid Jun, whites attack Mattole natives, Mattole valley, Humboldt Co.--15-20

²⁶³⁹ Cross-listed in Violence subset Arson.

²⁶⁴⁰ Cross-listed in Rail and in Violence subsection Mass Murder.

²⁶⁴¹ Cross-listed in Fire-Structural and in Violence subset of Crushing, Trampling, Suffocation. Most of the girls died at the door block.

²⁶⁴² Cross-listed in Fire-Structural and in Violence subset of Arson-Manslaughter/Homicide.

²⁶⁴³ No estimate is made of the Natives killed; thus we have conjectured the number "more than 20," as a very conservative estimate of the number of Natives killed. We know from Duncan's account (*Hernando de Sota*, 1995) that the "Chicasa" attacked with a force of over three hundred about seven days earlier. Duncan, pulling from the accounts of the expedition afterwards, notes that there was a rout and a "pent-up rage" slaughter. It was usual for this particular force to kill all they could kill when in battle. There must have been a Native force again of something in the neighborhood of 300. We suspect that dozens, if not many dozens, were killed.

294. 1859 -- Oct 16-18, John Brown Insurrection, Harper's Ferry, VA -- 20
 295. 1864 -- Apr 30, captured and/or wounded soldiers killed, Battle of Jenkins' Ferry, AR-->20
 296. 1864 -- Jun 10, Confederates kill captured black soldiers, Battle of Brice's Cross Roads, MS-->20
 297. 1867 -- Apr 18, labor riot, Silver Bend Mining Co., Belmont, NV -- 20
 298. 1876 -- Oct 30, fire scare/trampling, Chinese Royal Theatre, Jackson St. SF, CA --19-20
 299. 1885 -- Feb 12, arson fire, Dept. for Insane, Blockley Almshouse, Philly, PA²⁶⁴⁴ --19-20
 300. 1911 -- Mar 9-15, violence, race strike, Queen & Crescent Rail, KY, TN -- 20
 301. 1917 -- Aug 23, 24th Infantry (Black)/Camp Logan mutiny/racial riot, Houston, TX -- 20
 302. 1921 -- May 12-15, Battle of the Tug, coal mine labor conflict, Mingo County, WV -- 6-20
 303. 1924 -- Sep 09, labor violence, Filipino strikers/Sheriffs clash, Hanapepe, Kauai, HI-- 20
 304. 1970 -- Mar 20, Ozark Hotel ("flophouse") arson fire, Seattle, WA -- 20
 305. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88

VIOLENCE – **Master Set** – **Deadliest American** -- **By MORTALITY** (continued):

306. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD²⁶⁴⁵ 19
 307. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM -- 19
 308. 1703 -- Oct 6, Massacre, Eng. settlers/militia attacked while farming, Scarborough, ME- 19
 309. 1704 -- May 13, massacre, Natives attack settlers, Pascommuck (Easthampton) MA -- 19
 310. 1708 -- Aug 29, Raid/Massacre, French and Indians attack settlers, Haverhill, MA --16-19
 311. 1847 -- Jan 19-20 Mexican/Pueblo revolt against U.S. NM occupation, Taos vic. --16->19
 312. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR --13-19
 313. 1854 -- Aug 20, Ward Massacre, Natives attack wagon train, Boise Riv. ~Caldwell, ID--19
 314. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA -- 19
 315. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19
 316. 2003 -- May 13-14 Illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX-- 19
317. 1676 -- Feb 21, massacre, Nipmuc and Narragansett Natives attack Medfield, MA --17-18
 318. 1838 -- Oct 08, massacre of surveying party near Dawson, Navarro County TX -- 18
 319. 1838 -- Oct 30, Haun's Mill (Mormon) Massacre, Caldwell County, MO -- 18
 320. 1872 -- Nov 29-30 Modoc "Hooker Jim" band kills white males, SE Tule Lake, CA --14-18
 321. 1877 -- June 13-16, Nez Perce young men with grievances kill settlers, so. Tolo Lake area, ID --16-18
 322. 1884 -- Nov 01, political riot, Loreauville, Iberia Parish, LA -- >18
 323. 1901 -- Oct 27, race riot, Balltown, Washington Parish, LA -- 9-18
 324. 1906 -- Jan 21, fire and trampling deaths, St. Paul's Baptist Church, Philadelphia, PA-- 18
 325. 1916 -- Mar 09, Pancho Villa attacks Columbus, NM -- 18
 326. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami FL--18
 327. 2023 -- Oct 26, mass shooting, bowling alley (8) and bar & grill (10), Lewiston, ME-- 18
328. 1849 -- Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA>17
 329. 1854 -- Jan 29, Coos Co. miners massacre Coquilles, north of Coquille Ri. mouth, OR --16-17
 330. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA -- 17
 331. 1916 -- Jan 10, Mass Murder, Americans on Train 50M W. Chihuahua City, MX --16-17
 332. 1958 -- Sep 2, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR²⁶⁴⁶-- 17

²⁶⁴⁴ Cross-listed in Fire-Structural and in Violence subset of Mass Murder.

²⁶⁴⁵ Cross-listed in Violence subsets of "Battles" and "Religious Violence."

333. 1966 -- Aug 01, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper--²⁶⁴⁷16-17
 334. 2000 -- Oct 12, suicide terrorism, USS *Cole* bombed, Port of Aden, Yemen -- 17
 335. 2018 -- Feb 14, School Shooting, Marjory Stoneman Douglas High Sch., Parkland, FL-- 17

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued):

336. 1643 -- Aug, massacre, Anne Hutchinson's settlement by Siwanoy on Pelham Bay, NY--16
 337. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA --10-16
 338. 1861 -- Apr 19, Secession Mob Attacks 6th MA & 7th PA Regiments, Baltimore -- 16
 339. 1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ²⁶⁴⁸ -- 16
 340. 1913 -- Feb 10, miners and guards Clash, ~Mucklow, Kanawha County, WV -- 16
 341. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan²⁶⁴⁹ -- 16
 342. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
 343. 1975 -- May 14, Khmer Rouge attack USS *Mayaguez*, Koh Tang Island, Cambodia²⁶⁵⁰-- 16
 344. 1987 -- Dec 22, 26, 28, R. Gene Simmons killing spree, Dover & Russellville, AR -- 16
345. 1675 -- Dec 16, massacre, Natives attack Bull Garrison, Pettaquamscutt (Kingston), RI--15
 346. 1677 --Sep 19, massacre, Pocumtuck Natives attack English colonists, Hatfield, MA-12-15
 347. 1694 -- Jul 18, massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH--15
 348. 1745 -- Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK -- 15
 349. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA --9~15
 350. 1828 -- Jediah Smith Massacre by Natives, near Gardiner, OR -- 15
 351. 1847 -- Nov 29, Whitman Massacre, missionaries, by Natives, near Walla Walla WA-- 15
 352. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR--5~15
 353. 1852 -- Sum., Capt. Crosby force massacre Modocs, Tule Lake reg., CA/OR Border--11-15
 354. 1855 -- Oct 9, Indians retaliate & attack settlers, upper Rogue River Valley, OR --12-15
 355. 1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA -- 15
 356. 1868 -- July 15 time-frame, white vs. black conflict, Millican, Brazos Co., TX -- 6-15
 357. 1888 -- Dec 08, Hawes lynch mob fired on, Jefferson Co. Jail, Birmingham, AL --10-15
 358. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO -- 15
 359. 1947 -- Dec 25, gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV²⁶⁵¹-15
 360. 1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA²⁶⁵² -- 15
 361. 1984 -- Oct 18, arson fire, Alexander Hamilton residential Hotel, Paterson, NJ²⁶⁵³ -- 15
 362. 1999 -- Apr 20, Columbine High School shooting, Columbine, CO²⁶⁵⁴ --13-15
363. 1675 -- July or Sep, VA militiamen looking for Doeg Natives kill Susquehannocks, VA-14
 364. 1676 -- Aug 13-14, Massacre, Natives attack settlers, Kennebec Riv. & Arrowsic, ME--≥14
 365. 1696 -- June 26, Massacre, Natives attack English settlers, Portsmouth Plains, NH -- 14

²⁶⁴⁶ Cross-listed in Aviation.

²⁶⁴⁷ Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

²⁶⁴⁸ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁴⁹ Cross-listed in Aviation.

²⁶⁵⁰ Cross-listed in Maritime.

²⁶⁵¹ Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).

²⁶⁵² Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁵³ Cross-listed in Fire-structural. (originally a hotel, but had become a low-rent apartment building.)

²⁶⁵⁴ Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

366. 1767 -- July, Chippewas attack two Baynton, Wharton, Morgan trade boats, Ohio Riv.-- 14
 367. 1844 -- May 6-8, Riots, Protestant Nativists and Catholic Irish, Philadelphia, PA -- 14
 368. 1850 -- Apr 03, Sioux massacre Chippewa men, women, children, Apple River, WI -- 14
 369. 1858 -- Dec 31 Whites kill Natives ~Eden Valley, Russian River area, Sonoma Co., CA-14
 370. 1900 -- Jul 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ²⁶⁵⁵-13-14
 371. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK²⁶⁵⁶ -- 14
 372. 1982 -- July 5, arson fire, apartment building, Waterbury, CT²⁶⁵⁷ -- 14
 373. 1986 -- Aug 20, Postal worker Pat Sherrill Mass Shooting, Post Office, Edmond, OK²⁶⁵⁸ 14
 374. 2001 -- May ~24, Smugglers abandon immigrants without water in desert heat, AZ²⁶⁵⁹-- 14
 375. 2009 -- Apr 03, mass killings, Immigration Services Center, Binghamton, NY²⁶⁶⁰ --13-14
 376. 2015 -- Dec 2, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA²⁶⁶¹- 14
 377. 2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN²⁶⁶²- 14

VIOLENCE – **Master Set** – **Deadliest American** -- **By MORTALITY** (continued):

378. 1598--Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM-13
 379. 1691 -- Sep 29, Massacre, Indians attack English settlers, Sandy Beach (now Rye), NH--13
 380. 1755 -- Oct 16-17, Massacre, Natives attack German settlers, Penn's Creek, PA -- ≥13
 381. 1832 -- July ~12, Battle of Pierre's Hole, fur-trappers, natives on both sides, ID -- 13
 382. 1840 -- March, retaliation for Council House Comanche peace envoy deaths; prisoners killed-- 13
 383. 1850 --Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA>13
 384. 1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA-13
 385. 1853 -- Mar 1, Cattle theft reported, Whites attack Natives in cave near Oak Grove, CA-13
 386. 1863 -- ~Jan 18, Shelton Laurel Massacre, Rebels murder Unionists, Madison Co., NC-- 13
 387. 1877 -- July 3, Cottonwood Battle, US Army chasing retreating Nez Perce, Cottonwood, ID--13
 388. 1883 -- Aug 12, massacre, Santa Fe Railroad surveyors attacked by Apache -- 13
 389. 1886 -- Mar 17, racial hate crime, Carrollton Massacre, Carrollton, MS -- 13
 390. 1898 -- Oct 12, labor violence, coal miners and mine guards shootout, Virden, IL --12-13
 391. 1904 -- Mar 23-24, racial violence against blacks, St. Charles, AR -- 13
 392. 1929 -- Oct 3-4, CO State Penitentiary uprising (8 guards, 5 convicts die), Canon City, CO-13
 393. 1932 -- June 07, explos./arson/mass murder, Ellington Apartments, Cleveland, OH²⁶⁶³-- 13
 394. 1949 -- Sep 06, Howard Barton Unruh rampage mass shooting, Camden, NJ²⁶⁶⁴ -- 13
 395. 1965 -- Dec 11, arson fire/mass murder, Seeley Club (tavern), Chicago, IL²⁶⁶⁵ -- 13
 396. 1980 -- July 5-6, smugglers abandon immigrants, dehydration, Organ Pipe Cactus Nat. Mon., AZ²⁶⁶⁶--13

²⁶⁵⁵ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁵⁶ Cross-listed in Fire-Structural.

²⁶⁵⁷ Cross-listed in Fire-Structural.

²⁶⁵⁸ Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence subsets of Mass Murder and Shooting Sprees.

²⁶⁵⁹ Cross-listed in Heat.

²⁶⁶⁰ Shooter shoots and kills thirteen people and then shoots himself fatally.

²⁶⁶¹ Sub-listed in Mass Murder and in Terrorism.

²⁶⁶² Cross-listed in Fire-Wildfires.

²⁶⁶³ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁶⁴ Cross-listed in Violence subsets of Mass Murder and Shooting Sprees.

²⁶⁶⁵ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

397. 1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ²⁶⁶⁷ -- 13
 398. 1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA-- 13
 399. 1983 -- Feb 19, fatal shootings (13 of 14), Wah Mee Club, Seattle “Chinatown”, WA-- 13
 400. 1999 -- July 27-29, workplace shootings/9; family killed/3; suicide/1; Atlanta, GA -- 13
 401. 2009 -- Nov 05, mass shooting, Army Major Nidal Malik Hasan, Fort Hood, TX -- 13
 402. 2013 -- Sep 16, Navy Yard mass shooting, Washington, DC²⁶⁶⁸ -- 13
 403. 2018 -- Nov 07, mass shooting/12 suicide/1, Borderline Bar & Grill, Thousand Oaks, CA-- 13
 404. 2021 -- Aug 26, ISIS-K suicide bomb kills US military members, Kabul Afghanistan AP-- 13

Violence – Master Set – By Mortality:

405. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12
 406. 1675 -- ~June 23-25, King Philips War begins, Wampanoags attack Swansea, MA -- 9-12
 407. 1676 -- Mar 12, massacre, Natives Attack Clark House, Eel River, ~Plymouth, MA --11-12
 408. 1676 -- Apr 18, massacre, Natives attack settlers at Sudbury, MA -- 7-12
 409. 1791 -- Jan 02, massacre, Delaware & Wyandot kill Big Bottom settlers, OH -- 12
 410. 1813 -- Sep 01, Creek Massacre of two families in Clarke County, AL -- 12
 411. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH --10-12
 412. 1868 -- Aug ~14-16, Cheyenne raids on settlers in and around Asher Creek, KS -- ~12
 413. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
 414. 1883 -- May 30, Crushing/Trampling, Brooklyn Bridge, NY, NY -- 12
 415. 1884 -- Nov 13, sabotage, Houston & TX Central Train derails, ~Hempstead, TX²⁶⁶⁹--9-12
 416. 1889 -- Dec 10, fire scare/trampling, Parke Theater/Opera House, Johnstown, PA -- 12
 417. 1900 -- Jul 24-27, anti-black riots (re. Robert Charles shootings), New Orleans, LA²⁶⁷⁰ ~12
 418. 1908 -- Aug 14-15, Springfield Race Riot; whites attack blacks, Springfield, IL --10->12
 419. 1913 -- Sep 28, mass murder shooting spree, Lynching, Harriston, MS --11-12
 420. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan--12
 421. 1965 -- Dec 20, arson fire, Jewish Community Center, Yonkers, NY²⁶⁷¹ -- 12
 422. 1968 -- Feb 16, arson fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO²⁶⁷² -- 12
 423. 1968 -- Apr 01, Attack, Navy P3B Coastal Surveillance Downed, Gulf of Thailand²⁶⁷³-- 12
 424. 1969 -- Jun 08, arson (patricide), Bailey family home fire, Parkersburg, WV²⁶⁷⁴ -- 12
 425. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR²⁶⁷⁵ --11-12
 426. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA²⁶⁷⁶ -- 12
 427. 1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
 428. 1990 -- June 17-18, violence/shootings, esp. GMAC (18th), Jacksonville, FL²⁶⁷⁷ --11-12

²⁶⁶⁶ Cross-listed in Violence in that smugglers deliberately abandoned these immigrants (men, women, children), after stealing their possessions (as well as an 18-month-old baby), and did not disclose that safety could be sought by going to a highway just three miles away.

²⁶⁶⁷ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁶⁸ Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

²⁶⁶⁹ Cross-listed in Violence subsets Mass Murder and Sabotage.

²⁶⁷⁰ This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.

²⁶⁷¹ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁷² Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁷³ Cross-listed in Aviation.

²⁶⁷⁴ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁷⁵ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁷⁶ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

429. 2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV²⁶⁷⁸ -- 12
 430. 2012 -- July 20, James Holmes mass shooting, Century 16 Theater, Aurora, CO -- 12
 431. 2019 -- May 31, Workplace shooting, Municipal Cen. Bldg. No. 2, Virginia Beach, VA-- 12

VIOLENCE – Master Set – Deadliest American -- By MORTALITY (continued)

432. 1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers, Fulton/Franklin Co., PA-- ≥11
 433. 1763 -- May 25, St. Joseph's Post Massacre, Mouth of St. Joseph's River, MI -- 11
 434. 1764 -- July 26, Massacre, Indians attack one-room Schoolhouse, ~Greencastle, PA -- 11
 435. 1848 -- Violence, Vigilante Riot, Jailhouse, Cincinnati, OH -- 11
 436. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA-- 11
 437. 1850 -- Apr 21, Quechan/Yuma Natives massacre Glanton Gang, Winterhaven, CA -- 11
 438. 1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY²⁶⁷⁹ -- 11
 439. 1855 -- Oct 27-28, White/Native Conflict, Puget Sound area, White River val., WA --10-11
 440. 1859 --~Oct 11, massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA -- 11
 441. 1871 -- Nov 5, trampling deaths, African Baptist Meeting-house, Louisville KY -- 11
 442. 1872 -- Apr 15, Shoot-out, U.S. Marshals & Cherokee, Indian Court House, OK -- 11
 443. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL -- 11
 444. 1891 -- Mar 14, racial violence, mob kills Italian prisoners, New Orleans LA -- 11
 445. 1891 -- Apr 02, Violence, Deputies Kill Strikers, Morewood Mine, Morewood, PA -- 11
 446. 1892 -- July 06, Violence, Strikers & Pinkertons, Carnegie Steel, Homestead, PA -- 11
 447. 1905 -- Feb 27, floor collapse, fire scare/trampling, church service, Brooklyn NY²⁶⁸⁰-- 11
 448. 1920 -- May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV --10-11
 449. 1921 -- June 25/26, Mass Murder/home then burned, Hamilton/Drew families, ~Mayfield, KY-11
 450. 1941 -- Oct 17, attack; USS *Kearny* torpedoed by German submarine, off Iceland²⁶⁸¹-- 11
 451. 1973 -- Sep 29, arson fire, tenement, Eleventh & Willow, Hoboken, NJ²⁶⁸² -- 11
 452. 1975 -- Mar 30, Violence, mass murder, James Ruppert shoots relatives, Hamilton, OH--11
 453. 1975 -- Dec 29, LaGuardia Airport bomb explosion, TWA baggage area, Brooklyn, NY-- 11
 454. 1979 -- Dec 3, WHO concert crushing/trampling, Riverfront Coliseum, Cincinnati OH-- 11
 455. 1981 -- Oct 24, arson fire, apartment bldg., 12th and Washington, Hoboken, NJ²⁶⁸³ -- 11
 456. 1985 -- May 13, gov. violence, police bomb MOVE group, row house fire, Philly PA²⁶⁸⁴-11
 457. 2002 -- Oct 13, decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11
 458. 2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA²⁶⁸⁵ -- 11
 459. 2018 -- Oct 27, mass shooting, Tree of Life Synagogue, Pittsburgh, PA -- 11
 460. 2023 -- Jan 21, Lunar New Year mass shooting, Dance Studio, Monterey Park, CA -- 11

²⁶⁷⁷ James Edward Pough shot and killed two people on 17th. The next day killed six at the GM scene, then himself.

Three died later. Thus nine died as result of June 18 attack. In all there were 11 murders and one suicide.

²⁶⁷⁸ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁷⁹ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁸⁰ Cross-listed in Structural Failures.

²⁶⁸¹ Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.

²⁶⁸² Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁸³ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁶⁸⁴ Cross-listed in Fire-Structural.

²⁶⁸⁵ Cross-listed in Rail, and in Vehicular. The driver of the SUV was allegedly going to commit suicide via train collision, but got out prior to impact. Was sentenced to eleven life sentences for murder.

VIOLENCE – **Master Set** – **Deadliest American** -- **By MORTALITY** (continued):

461. 1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY)-- ~10
462. 1675 -- Sep 02, settlers killed in Native attack on Northfield, MA -- 8-10
463. 1676 -- Aug 11, massacre and captivity, Natives attack English settlers, Portland, ME-->10
464. 1689 -- Sep 26, battle, Major Church force and Natives, near Falmouth (Portland), ME--10
465. 1695 -- Aug 05, massacre, Natives attack settlers, Billerica, MA -- 10
466. 1768 -- Jan 10-11, Stump massacre of Native men/women/children, Penn Twp, Cumberland Co., PA-- 10
467. 1774 -- Apr 30, Greathouse VA force murder Mingos, yellow Creek/OH Riv., OH/WV²⁶⁸⁶ ~10
468. 1850 -- May, Jicarilla Apache/Utes massacre US Mail wagon train, Wagon Mound, NM-- 10
469. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
470. 1853 -- fall, Natives kill Chinese, west branch Feather River, Butte County, CA -- 10
471. 1854 -- Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO -- 10
472. 1857 -- Jan-mid, white settlers attack Rogue River Natives, Rogue River valley, OR-- ~10
473. 1859 -- July 28, whites massacre Natives near Forks of Butte, Butte County, CA -- ~10
474. 1862 -- Oct 18, Unionist disappears, Union Col. executes Reb. prisoners, Palmyra, MO--10
475. 1864 -- Apr 18, Rebels & Choctaws kill wounded/captured blacks, Poison Spring, AR- >10
476. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~Berryville, VA-->10
477. 1889 -- Dec 25, racial violence, Jesup, GA --6-~10
478. 1902 -- Apr 30, false-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA-- 8-10
479. 1914 -- Sep 18, sabotage, train derailment, Livingston, AL -- 10
480. 1916 -- Archer Home for Elderly mass killing, Winsor, New Haven County, CT -- 10
481. 1916 -- Jul 22, mass murder, Preparedness Day Parade Bombing, San Francisco CA-- 10
482. 1917 -- Nov 24, bomb explosion, Central Police Station, Milwaukee, WI -- 10
483. 1935 -- Sep 29, arson fire, tenement, Chicago, IL²⁶⁸⁷ -- 10
484. 1937 -- May 30, unarmed striking steel workers shot by police, Chicago, IL²⁶⁸⁸ -- 10
485. 1950 -- Apr 08, USN Privateer patrol bomber shot down by USSR, Baltic Area -- 10
486. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
487. 1958 -- Jan 21-29, Starkweather shooting spree, 9 in Nebraska, 1 in Wyoming -- 10
488. 1973 -- Jan 29, arson fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ²⁶⁸⁹ -- 10
489. 1974 -- Jan 15-Jan 19, 1991, Rader serial murders, Wichita area, Sedgwick Co., KS -- 10
490. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY-- 10
491. 1979 -- July 31, arson fire (smoke inhalation deaths), Holiday Inn, Cambridge, OH²⁶⁹⁰-- 10
492. 1980 -- Oct 28, arson fire, apartment building, Chicago, IL²⁶⁹¹ -- 10
493. 1984 -- Apr 15, mass murder, Christopher Thomas “Palm Sunday Massacre,” NYC -- 10
494. 1984 -- May-Nov, Bobby Joe Long serial killings of women, Tampa Bay Area, FL -- >10
495. 1993 -- Feb 28, shootout, large ATF force attempts to serve David Koresh, Waco, TX²⁶⁹² -- 10
496. 1993 -- May 03, arson fire, apt./tenement bldg., Burlington Ave., Los Angeles, CA²⁶⁹³-- 10

²⁶⁸⁶ Note OH and WV because while the murders occurred on today’s WV side, the natives lived across the river (in present-day Ohio) at a camp where Yellow Creek empties into the Ohio River.

²⁶⁸⁷ Cross-listed in Violence-Mass Murder.

²⁶⁸⁸ Cross-listed in Violence sub-sections Governmental Use of Force and Labor-Related.

²⁶⁸⁹ Cross-listed in Fire-Structural and in Violence subset-Arson.

²⁶⁹⁰ Cross-listed in Fire-Structural and in Violence subset-Arson.

²⁶⁹¹ Cross-listed in Fire-Structural and in Violence subset-Arson.

²⁶⁹² Four ATF agents/six Davidians. See 4-19-1993 on FBI/ATF attack, wherein 75 Davidians (25 children) died.

²⁶⁹³ Cross-listed in Fire-Structural and in Violence subset-Arson.

- 497. 2002 -- Oct 02-24, terrorism, DC Beltway sniper killings, Washington DC vicinity -- 10
- 498. 2004 -- Sep 12, arson fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
- 499. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN --²⁶⁹⁴9-10
- 500. 2008 -- Dec 24, Pardo mass shooting of wife, in-laws, self & arson deaths, Covina CA-- 10
- 501. 2009 -- Mar 10, Michael McLendon shooting spree, Geneva County, AL -- 10
- 502. 2015 -- Oct 01, mass shooting, Umpqua Community College, Roseburg, OR²⁶⁹⁵ -- 9-10
- 503. 2017 -- July 23, migrants die in hot semi-trailer found in parking lot, San Antonio, TX-- 10
- 504. 2018 -- May 18, school shooting, Santa Fe High School, Santa Fe (near Houston), TX-- 10
- 505. 2019 -- Aug 04, mass shooting outside bar (9 deaths), police kill shooter, Dayton, OH-- 10
- 506. 2021 -- Mar 22, Ahmad Alissa mass shooting, King Soopers grocery, Boulder, CO -- 10
- 507. 2021 -- May 16, mass shooting/9 and suicide, San Jose Light Rail Yard, San Jose, CA-- 10
- 508. 2021 -- Nov 5, crushing/trampling, Travis Scott Astroworld festival concert, Houston TX--10
- 509. 2022 -- May 14, hate crime shooting, Top Supermarket, Buffalo, NY -- 10

VIOLENCE – Master Set (Select other less-than-ten deaths events) – By MORTALITY

- 1. 1637 -- Apr 23, massacre, Wampanoag and Pequot attack Wethersfield, CT -- 9
- 2. 1815 -- Apr 06, massacre, American Prisoners-of-War, Dartmoor Prison, England -- 7- 9
- 3. 1861 -- Sep 23, Free-state Unionist Jayhawker guerrillas sack and burn Osceola, MO -- 9
- 4. 1919 -- Sep 09-11, Boston Police strike, martial law, U.S. Cavalry Charge, MA -- 8-9
- 5. 1929 -- Dec 11, prison riot, eight convicts and head keeper killed, Auburn Prison, NY²⁶⁹⁶-- 9
- 6. 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
- 7. 1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC -- 9
- 8. 1978 -- June 22, drifters kill family of 3; 6 steakhouse workers/July 16, Purcell & OK City, OK-9
- 9. 1982 -- Aug 20, rampage shooting (8), mentally disturbed man (killed), Miami, FL²⁶⁹⁷-- 9
- 10. 1989 -- Sep 14, assault rifle workplace mass murder (8)/suicide, Louisville, KY -- 9
- 11. 1991 -- Dec 28, crushing, Nat Holman Gymnasium, City College, NY -- 9
- 12. 2005 -- May 21, arson fire, house during child's birthday sleepover, Cleveland, OH²⁶⁹⁸-- 9
- 13. 2010 -- Aug 03, workplace shootings, worker kills 8 coworkers/self, Manchester, CT -- 9
- 14. 2015 -- May 17, biker-gangs/police shoot-out at Twin Peaks restaurant, Waco, TX -- 9
- 15. 2015 -- June 17, mass shooting, AME Church, Charleston, SC -- 9
- 16. 2021 -- Apr 15, mass shooting/8 and suicide, FedEx facility ~Indianapolis AP, IN -- 9
- 17. 2023 -- May 6, mass shooting, Allen Premium Outlets Mall, Allen, TX (includes gunman)-- 9

- 18. 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS -- 5-8
- 19. 1912 -- June 10, Family and two girls Murdered in Sleep with Axe, Villisca, IA -- 8
- 20. 1916 -- Mar 05-06, Daniel Okane kills Family (7) and commits suicide, Lawton, OK -- 8
- 21. 1923 -- Jan 01-07, Rosewood Rioting, Whites attack Blacks, Rosewood, Levy Co., FL-- ≥8
- 22. 1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8
- 23. 1966 -- July 14, Richard Speck mass murder of nurses, dorm room, Chicago, IL -- 8

²⁶⁹⁴ Killed were nine people -- shooter's grandfather and grandfather's girlfriend, a security guard at Red Lake High School, 5 high school students and a teacher, before 16-year-old high school student shooter committed suicide.

²⁶⁹⁵ The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.

²⁶⁹⁶ Three other convicts were later executed at Sing Sing Prison, NY for their role in the violence.

²⁶⁹⁷ Cross-listed in Violence subsets of Mass Murder and Mass Murder-Mass Shootings.

²⁶⁹⁸ Cross-listed in Fire-Structural.

24. 1971 -- June 14, “dope den” “execution style” shootings, motel room, Detroit, MI -- 8
25. 1987 -- July 11/12, man shoots parents/in-laws/wife/2 children/himself, Federal Way, WA--8
26. 2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
27. 2019 -- Aug 31, shooting rampage (7 killed by shooter), Midland-Odessa area, TX -- 8
28. 2021 -- Mar 16, mass shootings, two Atlanta, one Cherokee County Spas, GA -- 8

VIOLENCE – Master Set – Deadliest American -- By MORTALITY (continued):

29. 1876 -- July 08, whites attack blacks (inc. Co. A, 9th Regiment SCNG) Hamburg, SC -- 7
30. 1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI -- 7
31. 1915 -- Mar 06, Monroe Phillips Shooting Rampage (kills 6, is shot) Brunswick, GA -- 7
32. 1916 -- July 30, Sabotage, Black Tom Munitions Depot, NY Bay, Jersey City, NJ -- 7
33. 1916 -- Nov 05, labor violence, IWW workers/local law enforcement, Everett, WA²⁶⁹⁹-- 7
34. 1929 -- Feb 14, St. Valentine’s Day Massacre, Capone gang vs. Moran gang, Chicago, IL -- 7
35. 1976 -- July 12, California State University Fullerton Library Shooting Rampage -- 7
36. 1982 -- Sep 29, Tylenol Tampering (laced with cyanide) deaths start, Chicago, IL -- 7
37. 1988 -- Feb 16, Richard Wade Farley Workplace Shootings. ESL Inc., Sunnyvale, CA-- 7
38. 1999 -- Nov 02, workplace mass murder shootings, Xerox, Honolulu, HI²⁷⁰⁰ -- 7
39. 2006 -- Mar 26, mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA²⁷⁰¹-- 7
40. 2012 -- Apr 02, school shootings, Oikos University, Oakland, CA²⁷⁰² -- 7
41. 2012 -- Aug 05, Sikh Temple of Wisconsin rampage mass shooting, Oak Creek, WI -- 7
42. 2014 -- May 23, ,ass murder, Univ. of California at Santa Barbara, Isla Vista, CA²⁷⁰³ -- 7
43. 2020 -- Sep 06, mass shooting/Laotians, marijuana growing house, Aguanga, CA -- 7
44. 2022 -- July 04, sniper shoots parade spectators from building roof, Highland Park, IL-- 7
45. 2023 -- Jan 23, mass shootings, mushroom farm and trucking facility, Half Moon Bay, CA--7

46. 1886 -- Apr 09, governmental violence, labor riot, East St. Louis, IL -- 6
47. 1919 -- July 19-23, Race Riots, Washington, DC -- 6
48. 1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA-- 6
49. 1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO-- 6
50. 1932 -- Nov 24, Violence Julian Marcelino Rampage with knives, Seattle, WA -- 6
51. 1967 -- Jan 06, suicide and homicide bomb explosion, Orbit Inn Motel, Las Vegas, NV-- 6
52. 1980 -- Sep 20, ex-wife & family killed by ex-husband’s booby-trap bomb, Olathe, KS-- 6
53. 1982 -- July 02, wife, children, mother-in-law shot (5), suicide, Thompson falls, MT -- 6
54. 1989 -- Jan 17, school shooting, Cleveland Elementary School, Stockton, CA --²⁷⁰⁴5-6
55. 1991 -- Nov 01, Gang Lu killing spree, University of Iowa, Iowa City, IA --²⁷⁰⁵5-6
56. 1992 -- July 07, arson fire set by mother kills six of her children, Baltimore, MD²⁷⁰⁶ -- 6

²⁶⁹⁹ Cross-listed in Violence subsets Governmental Use of Force and Labor-Related.

²⁷⁰⁰ Cross-listed in Violence subsets Mass Murder and Mass Shootings.

²⁷⁰¹ The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

²⁷⁰² Cross-listed in two Violence subsets – Rampage Shootings, and School Shootings.

²⁷⁰³ Six students were shot or stabbed to death before the killer shot himself in the head.

²⁷⁰⁴ Five children, ages 6-9, before gunman killed himself. The question for some is does one count the murderer as a victim of this tragedy as well? The one person range in the sources reflect this question, with the exception of a source which incorrectly notes the death of one teacher (one teacher was injured.)

²⁷⁰⁵ Four University of Iowa faculty and one student killed before gunman commits suicide.

²⁷⁰⁶ Cross-listed in Fire.

- 57. 1993 -- Feb 26, World Trade Center terrorism bombing -- 6
- 58. 1993 -- Feb 27, arson fire and mass murder, apartment building, Providence, RI²⁷⁰⁷ -- 6
- 59. 1996 -- Feb 09, fired city worker shoots five former coworkers, self, Fort Lauderdale, FL--5-6
- 60. 2006 -- Oct 02, West Nickel Mines School (Amish) shooting, Lancaster County, PA --²⁷⁰⁸5-6
- 61. 2008 -- Feb 14, classroom killings, Northern Illinois University, DeKalb, IL --²⁷⁰⁹5-6
- 62. 2011 -- Jan 8, mass shooting (inc. Gabby Giffords), grocery parking lot, Casas Adobes, AZ-- 6
- 63. 2016 -- Feb 20, Uber driver random mass shootings, Kalamazoo, MI -- 6
- 64. 2019 -- Feb 15, workplace shooting; five killed by shooter, shooter killed, Aurora, IL -- 6
- 65. 2023 -- Mar 27, shooting, The Covenant Church elementary school, Nashville, TN -- 6

Violence – Master Set -- By Mortality (continued):

- 66. 1597 -- Natives massacre St. Francis missionaries, Guale (St. Catherine Island), GA -- 5
- 67. 1856 -- May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin Co., KS-- 5
- 68. 1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS-- 5
- 69. 1894 -- May 24, labor battle, Washington Coal and Coke Co, Sickle Hollow, PA -- 5
- 70. 1933 -- June 17, shooting murder of four law officers plus prisoner, Kansas City, MO -- 5
- 71. 1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV -- 5
- 72. 1998 -- Mar 24, Westside Middle School shootings, Jonesboro, AR -- 5
- 73. 2001 -- Sep 18-Nov 21, anthrax letters terrorism, DC FL GA MD NJ NY VA -- 5
- 74. 2023 -- Apr 10, workplace mass shooting, Old National Bank, Louisville, KY -- 5

- 75. 1918 -- Sep 04, bomb explosion Federal Building, Chicago, IL -- 4
- 76. 1963 -- Sep 15, KKK members bomb 16th Street Baptist Church, Birmingham, AL -- 4
- 77. 1970 -- May 04, Kent State demonstration and Ohio National Guard shootings, OH -- 4
- 78. 1975 -- Jan 24, Fraunces Tavern F.A.L.N. terrorist bomb, NYC, -- 4
- 79. 2013 -- Apr 15, terrorism, Boston Marathon bombs, MIT officer killed Apr 19, MA -- 4

- 80. 1974 -- Aug 06, Los Angeles Int. Airport bomb, near Pan Am overseas check-in, CA -- 3
- 81. 1978-1995 -- Unabomber bomb & terrorism -- 3
- 82. 1992 -- Aug 21-22, violence, Gov. use of force, U.S. Marshals/FBI, Ruby Ridge, ID -- 3

- 83. 1932 -- July 28, US military moves on “Bonus Expeditionary Force” Veterans, DC -- 2
- 84. 1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC-- 2
- 85. 1993 -- Jan 25, CIA HQ shootings, Mir Aimal Kansi, Langley VA -- 2

- 86. 1977 -- Aug 03, terrorism, Puerto Rican F.A.L.N bombings/2 bldgs., Manhattan, NY -- 1

- 87. 1997 -- Feb 23, Middle East terrorism, shooting, Empire State Building, NYC, NY -- 1
- 88. 1998 -- Jan 29, abortion clinic bombing, (Eric Rudolph), Birmingham, AL -- 1

- 89. 1954 -- Mar 01, Puerto Rican nationalists shoot 5, floor of US House of Representatives-- 0

²⁷⁰⁷ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷⁰⁸ Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

²⁷⁰⁹ Five student victims and the gunman suicide.

VIOLENCE – Master Set – Deadliest American -- CHRONOLOGICAL

1. 1539 --~Sep 16, Napituca Massacre, Hernando de Soto executes Timucuans, No. Cen. FL-30-200
2. 1540 -- Oct 18, Spanish (de Soto) battle/massacre, with Atahachi, Mabila, AL --2,500-6,000
3. 1541 -- ~Mar 10, Hernando de Soto forces & “Chicasa” battle and “slaughter,” MS²⁷¹⁰-- >20
4. 1541/42 winter, Coronado’s Expeditionaries burn-at-the-stake Tiwa Natives, NM²⁷¹¹ --40-50
5. 1542 --~Mid-May, Massacre, de Soto’s men attack Natives in Nilco province town, AR--~100
6. 1565 --Sep 20, Massacre, Spanish troops kill male French colonists, Ft. Caroline FL²⁷¹² ~140
- 1597 -- Natives Massacre St. Francis Missionaries, Guale (St. Catherine Island), GA -- 5
7. 1598 -- Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM -13
8. 1599 -- Jan 21, Spanish (Oñate) Massacre Acoma Natives, punitive expedition, NM -300-800

9. 1616 -- George Yeardley, Dep. Governor of Virginia Colony, Attacks Chickahominy --12-40
10. 1622 -- Mar 22, Jamestown Massacre, Natives Attack, Jamestown Colony, VA -- 347
11. 1623 -- May 12, Cpt. Tucker VA party poison/kill Powhatans, Patawomeck, VA --150-200
12. 1632 -- Nov, Massacre at Fort Zwaanendael (Lewes), first Dutch Del. Colony -- 32
- 1637 -- Apr 23, Massacre, Wampanoag and Pequots attack Wethersfield, CT -- 9
13. 1637 -- May 26, Mystic Massacre, Eng. Colonists attack Pequot vil., Mystic Riv. CT--400-700
14. 1637 -- Massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80
15. 1640 -- Spanish hang Natives who will not renounce their faith, present day NM -- 40
16. 1643 -- Feb 25, New Amsterdam Dutch massacre Natives, Pavonia [NJ]²⁷¹³ --80-120
17. 1643 -- Aug, Massacre, Anne Hutchinson’s settlement by Siwanoy on Pelham Bay, NY-- 16
18. 1643 -- fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT--18-20
19. 1644 -- Early (Jan?), Massacre, Dutch and English attack Mespeth (Long Island, NY) -- 120
20. 1644 -- Feb, Massacre, Dutch attack Siwanoy, Petuquapaen, ~Cos Cob, CT²⁷¹⁴ --500-700
21. 1644 -- Apr 18 (or Mar 18), Powhatans attack English colonists along James River, VA --400-500
22. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD²⁷¹⁵-- 19
23. 1655 -- Sep 15-18,²⁷¹⁶ Natives attack Dutch in New Netherland (NY and NJ) --16-100
24. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM -- 19
25. 1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY) -- ~10
26. 1663 -- Jun 7, Massacre, Natives attack Dutch at Wiltwyck (Kingston, NY) and vic. --22-24
27. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12

²⁷¹⁰ No estimate is made of the Natives killed; thus we have conjectured the number “more than 20,” as a conservative estimate of the number of Natives killed. We know from Duncan’s account (*Hernando de Soto*, 1995) that the “Chicasa” attacked with a force of over three hundred about seven days earlier. Duncan, pulling from the accounts of the expedition afterwards, notes that there was a rout and a “pent-up rage” slaughter. It was usual for this particular force to kill all they could kill when in battle. There must have been a Native force again of something in the neighborhood of 300. We suspect that dozens, if not many dozens, were killed.

²⁷¹¹ Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”

²⁷¹² Today’s Jacksonville.

²⁷¹³ Giersbach writes that the attack site was today’s Corlaer’s Hook, Jersey City. *Wikipedia* has it that Pavonia was “on the west bank of the North River (Hudson River)...in what would become today’s Hudson County, New Jersey.” (*Wikipedia*. “Pavonia, New Netherland,” 11-11-2012 modification.)

²⁷¹⁴ In dispute – some place the massacre in Westchester County, NY (Dinan. “Historians Sift Clues...” *Greenwich Time*, 3-5-2006.)

²⁷¹⁵ Cross-listed in Violence subsets of “Battles” and “Religious Violence.”

²⁷¹⁶ These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

28. 1675 -- ~June 23-25, King Philips War begins, Wampanoags attack Swansea, MA -- 9-12
29. 1675 -- July or Sep, VA Militiamen looking for Doeg Natives Kill Susquehannocks, VA-- 14
30. 1675 -- Sep 02, Settlers killed in Native attack on Northfield, MA -- 8-10
31. 1675--Sep 18-19,²⁷¹⁷ Bloody Brook Massacre, Natives attack wagon train, S. Deerfield, MA-59-76
32. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME --23-24
33. 1675 -- Dec 16, Massacre, natives attack J. Bull Garrison, Pettaquamscutt (Kingston), RI--15
34. 1675 -- Dec 19, English Colonists Massacre Narragansetts, Great Swamp, RI --365-1,100

35. 1676 -- Feb 10, massacre, Nipmuc Natives attack Lancaster, MA --34-35
36. 1676 -- Feb 21, massacre, Nipmuc and Narragansett Natives attack Medfield, MA --17-18
37. 1676 -- Mar 12, massacre, Natives Attack Clark House, Eel River, ~Plymouth, MA --11-12
38. 1676 -- Apr 18, massacre, Natives attack settlers at Sudbury, MA -- 7-12
39. 1676 -- May 19, Eng. colonists massacre Natives, Peskeompskut, Turners Falls, MA--200-300
- 40.
41. 1676 -- Jun 12, Mohawks massacre Native camp whose men were attacking Hadley, MA--50
42. 1676 -- Jul 02, massacre, Eng. Colonists attack Narragansett camp ~Providence, RI--100-126
43. 1676 -- Sep 25, massacre, Natives destroy settlement at Cape Neddock, ME -- 40
44. 1676 -- Aug 11, massacre and captivity, Natives attack English settlers, Portland, ME-- ≥10
45. 1676 -- Aug 13-14, massacre, Natives attack settlers, Kennebec River & Arrowsic, ME-- ≥14

46. 1677 -- leaders of Bacon's Rebellion (colonists vs. Gov. Berkeley) hanged in VA --22-23
47. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME -- 60
48. 1677 -- Sep 19, massacre, Pocumtuck Natives attack English colonists, Hatfield, MA--12-15

49. 1689 -- Jun 27, massacre, Penacook attack English colonists, Cocheco (Dover) NH -- 23
50. 1689 -- Aug 28, massacre, Natives attack settlers from Huckin's garrison, NH --21-22
51. 1689 -- Sep 26, Battle, Major Church force and Natives, near Falmouth (Portland), ME -- 10

52. 1690 -- Mar 18, massacre, French & Indians attack settlers, Salmon falls, NH -- 30
53. 1690 -- May 20, massacre, French/Indians attack settlers, Falmouth (Portland), ME--120-200
54. 1690 -- ~Sep 15, massacre, English attack native village, NW of Brunswick, ME -- 21
55. 1691 -- Sep 29, massacre, Indians attack English settlers, Sandy Beach (now Rye), NH-- 13
56. 1692 -- Jan 25, massacre, French and Indians attack English colony, York, ME ---50-75
57. 1694 -- Jul 18, massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH -- 15
58. 1694 -- July 27, massacre, Natives attack settlers, Groton, MA --20-22
59. 1695 -- Aug 05, massacre, Natives attack settlers, Billerica, MA -- 10
60. 1696 -- June 26, massacre, Natives attack English settlers, Portsmouth Plains, NH -- 14
61. 1697 -- March 15, massacre; Natives attack English settlers, Haverhill, MA -- ~40
62. 1697 -- Sep 11, massacre, Natives attack Lancaster, MA --21-26

63. 1703 -- Aug 10, French & Indians attack So. coastal ME, esp. greater Portland vic. -- ≥61
64. 1703 -- Oct 06, massacre, Eng. settlers/militia attacked while farming, Scarborough, ME-- 19

²⁷¹⁷ Both dates are used, apparently depending on whether old style or new style dating is applied.

65. 1704 -- Feb 29, Massacre, French and Native allies attack Deerfield, MA²⁷¹⁸ -- 68
 66. 1704 -- May 13, massacre, natives attack settlers, Pascommuck (Easthampton) MA -- 19
 67. 1708 -- Aug 29, raid/massacre, French and Indians attack settlers, Haverhill, MA --16-19

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

68. 1711 -- Sep 22, Tuscarora massacre of white settlers, Bath County, NC -->130-140
 69. 1712 -- Jan 28, NC/SC militia & Indian allies retaliate against Tuscarora, Craven Co. NC-300
 70. 1712 -- Apr 06, violence, fear of insurrection of blacks, executions, NY, NY -- 21
71. 1724 -- Natives attack Maine fishing posts taking 22 vessels/killing at least 22 men -- ≥20
 72. 1724 -- Aug 23, massacre, colonial militia attack Abenaki village, Norridgewock, ME~80-100
 73. 1729 -- Nov 28, Ft. Rosalie Massacre, French colonists by Natchez, Natchez MS --200-300
74. 1741 -- Mar, alleged slave uprising, blacks burned and hanged, NYC, NY --33-52
 75. 1745 -- Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK -- 15
 76. 1745 -- Nov 16, Schuylerville Massacre, French raiders & Indians, near Saratoga NY -- 30
77. 1755 -- Oct 16-17, violence/massacre, Natives attack German settlers, Penn's Creek, PA ≥13
 78. 1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers, Fulton/Franklin Co, PA -- ≥11
 79. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA --9~15
 80. 1757 -- Aug, Natives massacre garrison after surrender, Fort William Henry, NY -- ~184
 81. 1758 -- Apr 28, massacre of settlers by Shawnee, Fort Sybert/Seybert, WV -- >40
82. 1760 -- Feb, massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC-- 22
 83. 1763-64--Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK≥375
 --175-188 Russian hunters/sailors killed in retaliation for atrocities and trespass
 -- >200 Unangan/Aleut killed by Russians in retaliation.
84. 1763 -- Wyoming Flats (Luzerne County, PA) massacre of settlers -- ~ 20
 85. 1763 -- May 25, St. Joseph's Post Massacre, mouth of St. Joseph's River, MI -- 11
 86. 1763 -- June 02, massacre, Fort Michilimackinac, MI, Ojibwas and Sacs attack -- 22
 87. 1763 -- Dec 14 & 27, massacres, *Paxton Boys* kill Natives, Conestoga & Lancaster, PA -- 20
 88. 1764 -- July 26, massacre, Indians attack one-room schoolhouse near Greencastle, PA-- 11
 89. 1767 -- July, Chippewas attack two Baynton, Wharton, Morgan trade boats, Ohio River-- 14
 90. 1768 -- Jan 10-11, Stump massacre of Native men/women/children, Penn Twp, Cumberland Co., PA-- 10
91. 1771 -- May 16, "Regulators" uprising, Battle of Alamance, near Burlington, NC --26~100
 92. 1774 -- Apr 30, Greathouse VA force murder Mingos, Yellow Creek/OH Riv., OH/WV²⁷¹⁹~10
 93. 1778 -- May 30, violence, Loyalists and Indians attack Cobus Kill Settlement, NY -- ~52
 94. 1778 -- Nov 11, massacre, women/children, Loyalist/Seneca Force, Cherry Valley NY-- 48
 95. 1779 --Feb 14, boat theft, hostage-taking attempt, violence, Cpt. James Cook/Hawaiians-- 22
96. 1780 -- May 26, violence, massacre of settlers near St. Louis, MO -- ~20

²⁷¹⁸ Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, 20 captives.

²⁷¹⁹ We note Ohio and West Virginia because while the murders occurred on today's WV side, the natives lived across the Ohio River (in present-day Ohio) at a camp where yellow Creek empties into the Ohio.

97. 1782 -- Mar 8, massacre of noncombatant Indians by PA militia, Gnadenhutten, OH -- 96
 98. 1784 -- Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK -- >200

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

99. 1790 -- Jan late, Olowalu Massacre, Cpt. Metcalfe, *Eleanora*, fires on Native canoes, Maui >100
 100. 1791 -- Jan 2, violence-massacre, Delaware & Wyandot kill Big Bottom settlers, OH-- 12
 101. 1800 -- Feb 1, US Frigate *Constellation* engagement with French *La Vengeance*²⁷²⁰ -- 160
 102. 1800 -- Aug 30, Gabriel's Rebellion/Slave Uprising/Mass Hanging, Rich., VA -- 35
 103. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK≤150
 104. 1803 -- March, Massacre, Crew of American ship *Boston*, Nootka, Vancouver Isl.²⁷²¹-- 25
 105. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
 106. 1812 -- Aug 15, Pottawatomie Massacre of soldiers/homesteaders, Fort Dearborn, IL-- ~98
 107. 1812 -- Sep 4-5, massacre of settlers by Shawnee, Pigeon Roost Settlement, IN -- 23
 108. 1813 -- Aug 30, Creeks massacre militia/settlers, Fort Mims, Baldwin Co., AL --250-400
 109. 1813 -- Sep 01, Creek massacre of two families in Clarke County, AL -- 12
 110. 1813 -- Nov 3, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek Vil., AL-- 300
 111. 1813 -- Nov 18, Hillabee Massacre, US Troops attack Creek Vil. suing for peace, AL-- 61
 1815 -- Apr 06, massacre, American Prisoners-of-War, Dartmoor Prison, England -- 7- 9
 112. 1828 -- Jedediah Smith Massacre by Natives, near Gardiner, OR -- 15
 113. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA-55-65
 114. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC ~32~54
 115. 1832 -- July ~12, Battle of Pierre's Hole, fur-trappers, natives on both sides, ID -- 13
 116. 1832 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI-- < 60
 117. 1833 -- Early Sum., Cutthroat Gap Massacre, Osage attack Kiowa, ~Saddle Mt., OK--~150
 118. 1836 -- Feb 23-March 6, fall of the Alamo, Texans Revolt from Mexico -- 257
 119. 1836 -- Mar 27, Mexican Pres. Santa Anna orders execution of prisoners, Goliad, TX-- 342
 120. 1837 -- Spring, Santa Rita/John Johnson Massacre, Apache Trading Party, SW NM -- 20
 121. 1838 -- May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK²⁷²² ~4,000
 122. 1838 -- Oct 8, Massacre of Surveying Party near Dawson, Navarro County TX -- 18
 123. 1838 -- Oct 30, Haun's Mill (Mormon) Massacre, Caldwell County, MO -- 18
 124. 1840 -- Mar 19, Council House Fight, peace party Comanches (35), San Antonio, TX-- 42
 125. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX-15-23
 126. 1840 -- Aug 6, Council House Retaliation; Comanches take Victoria, Repub. of TX --12-15

²⁷²⁰ Cross-listed in Maritime

²⁷²¹ Coss-listed in Violence – Massacres of Whites by Natives.

²⁷²² Also referred to as Cherokee Trail of Tears as well as a “forced-march” relocation. Geographic area of coverage comes from sources in Narrative document and map in Thornton (1990) from Morris, Goins and McReynolds ([1965] 1986:20), entitled “The Trail of Tears.” Shows two Cherokee relocation routes from area encompassing north/northwest GA, southwest NC, southeast TN and northeast AL. One route is northwest through TN into KY, westward to southern IL, then down into southeastern MO, into northern Ark. and then westward into OK. Second route was westward through TN and AR to OK.

127. 1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40
128. 1840 -- Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX-110-140
129. 1844 -- May 6-8, Riots, Protestant Nativists and Catholic Irish, Philadelphia, PA -- 14
130. 1844 -- July 6-8, Anti Irish-Catholic Nativist riot and military response, Philly, PA --15-50
131. 1846 -- mid Apr, Sacramento River massacre, Carson/Fremont attack Natives, N. CA->175
132. 1847 -- Jan 19-20 Mexican/Pueblo Revolt, against U.S. NM occupation, Taos vic. -16->19
133. 1847 -- Nov 29, Whitman Massacre, Missionaries, by Natives, near Walla-Walla WA-- 15
134. 1848 -- Violence, Vigilante Riot, Jailhouse, Cincinnati, OH -- 11
135. 1849 -- Mar Ore. miners kill Maidus, American River, Weber's Creek, Coloma, CA-- >22
136. 1849 --Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA->17
137. 1849 -- May 10, Astor Place Opera House Riot & Government Response, NYC --16-30

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

138. 1850 -- "Friendship Feast," Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA-145
139. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA-- 11
140. 1850--Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA>13
141. 1850 -- Apr 03, Sioux Massacre Chippewa men, women, children, Apple River, WI-- 14
142. 1850 -- Apr 21, Quechan/Yuma Natives Massacre Glanton Gang, winterhaven, CA -- 11
143. 1850--May, Jicarilla Apaches/Utes Massacre US Mail wagon train, Wagon Mound, NM-10
144. 1850 -- May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA --60-200
145. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA-- >75

146. 1851 -- Massacre, White Miners Burn Wintu Council House, Old Shasta, CA -- 300
147. 1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA-13
148. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA-- 72
149. 1851 -- Jan 11, whites attack natives, Mt. ~No. Fork, San Joaquin Ri., Mariposa Co., CA-23-50
150. 1851 -- Jun 10, Battle Rock battle, would-be settlers kill natives when attacked, Port Orford, OR-13-23
151. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Vly., OR---12-22
152. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
153. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR--5~15

154. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA-30-40
155. 1852 -- Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA-140-153
156. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9~30
157. 1852 -- Jul 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20
158. 1852 -- Sum., Capt Crosby force massacre Modocs, Tule Lake reg., CA/OR Border --11-15
159. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA--62
160. 1852 -- Nov, Ben Wright Massacre of Modocs, peace talks, Lost Ri., Tule Lake, CA-30-41

161. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA-- 27
162. 1853 -- Mar 1, Cattle theft reported; whites attack natives in cave near Oak Grove, CA-- 13
163. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR --13-19
164. 1853 -- fall, Natives Kill Chinese, west branch Feather River, Butte County, CA -- 10
165. 1853 -- fall, White/Chinese retaliatory attack re. Natives, Feather Ri., Butte Co., CA-40-60
166. 1853 -- late fall, Burnt Ranch Massacre, settlers kill Tolowa/Yontocket, Smith Riv., No. CA--450-600

167. 1854 -- Jan 29, Coos Co. miners massacre Coquilles, north of Coquille Ri. mouth, OR --16-17
 168. 1854 -- Feb 15, Miller group massacres Chetco Natives, Chetco River mouth, SW OR--~26
 169. 1854 -- May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA-32--~40
 170. 1854 -- Apr 25, arson, Jennings Building (all firemen), Broadway, NY, NY²⁷²³ -- 11
 171. 1854 -- Aug 07-08, voting riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO -- 10
 172. 1854 -- Aug 20, Ward Massacre, Natives attack wagon train, Boise River ~Caldwell ID- 19

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

173. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA--30->100
 174. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH --10-12
 175. 1855 -- Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY-22
 176. 1855 -- Sep, “Cpt.” Jarboe force Massacres Achomawi Natives, Pit River village, CA-->70
 177. 1855 -- Oct 08, Lupton Massacre, Whites attack Natives ~Upper Table Rock, OR --23-41
 178. 1855 -- Oct 9, Indians retaliate & attack settlers, upper Rogue River Valley, OR --12-15
 179. 1855 -- Oct 27-28, White/Native Conflict, Puget Sound area, White River val., WA --10-11
180. 1856 -- Feb 22/23, Natives attack garrison & settlers, Rogue River, Whaleshead vic., OR-31
 181. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keyesville & Battle Mt., CA-->40
 182. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama --16-20
 1856 --May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin Co., KS-- 5
 183. 1856 -- Jun 2-3 USA Cpt. Augur & Vols. attack natives, Painted Rock Rogue Ri., OR-->21
 184. 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS-- 5-8
185. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR-- ~10
 186. 1857 -- Mar 8-9, Massacre, Wahpetuke Dakota (Sioux) attack Spirit Lake IA --35-40
 187. 1857 -- Sep 03, Massacre, Col Harney Attacks Sioux Camp, Bluewater Creek, NE -- 150
 188. 1857--Sep 11, Mt. Meadows Massacre, Mormons/Paiutes attack Wagon Train, UT-120-140
189. 1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA -- 15
 1858 -- May 19, Marias des Cygnes massacre, pro-slavery force raid, Trading Post, KS-- 5
 190. 1858 -- Early-mid Jun, Whites attack Mattole Natives, Mattole Villy., Humboldt Co.--15-20
 191. 1858 -- Dec 31, Whites kill Natives ~Eden Valley, Russian Riv. area, Sonoma Co., CA--14
192. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
 193. 1859--Late Mar-mid Apr, Whites kill Natives, Round Valley, Mendocino Co., CA-300-400
 194. 1859 -- May, Whites Massacre Yuki Natives, Round Valley, Mendocino County, CA-- 240
 195. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA -- 17
 196. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA --10-16
 197. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA -- ~10
 198. 1859 -- summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA--~40
 199. 1859 ~Late Aug,²⁷²⁴ McElroy party massacres Natives Roff’s Ranch, Pitt Riv. vic., CA≥49
 200. 1859 --~Oct 11, Massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA -- 11

²⁷²³ Cross-listed in Fires-Structural – Arson.

²⁷²⁴ Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.

201. 1859 -- Oct 16-18, John Brown Insurrection, Harper's Ferry, VA -- 20
 202. 1859 -- ~Nov 24, Jarboe's Eel River Rangers attack Natives, Round Valley vic., CA-- >27
 203. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA --20-32

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

204. 1860 -- whites attack Yuki Natives near Round Valley, Mendocino County, CA -- 250
 205. 1860 -- Feb 26, Whites massacre Natives, Indian Isl. & Humboldt Bay vic., CA->100->250
 206. 1860 -- fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR -- 39
 207. 1861 --~Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA-13-39
 208. 1861 -- Apr 19, Secession Mob Attacks 6th MA & 7th PA Regiments, Baltimore -- 16
 209. 1861 --May 10, Camp Jackson Affair, Union German unit kills Civilians, St Louis, MO>28
 1861 -- Sep 23, Free-state Unionist Jayhawker guerrillas sack and burn Osceola, MO-- 9
 210. 1861--Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val. CA-100-240
 211. 1862 -- Aug, massacre of Wailaki Natives, Upper Station, Round Valley Res., CA --23-24
 212. 1862 --Aug 10, Rebel cav. attacks fleeing Germans, Nueces Riv., Kenney Co., TX²⁷²⁵-9-28
 213. 1862 -- Aug 17-23 especially, Dakota "insurrection," southcentral MN; also IA --750-779
 214. 1862 -- Oct 18, Unionist disappears, Union Col. executes Reb. prisoners, Palmyra, MO--10
 215. 1862 -- Oct 24, massacre of Tonkawa by pro-Union Natives near Anadarko, OK --136-150
 216. 1862 -- Dec 26, mass hanging of Dakota Natives accused of 1862 war massacres, Mankato, MN²⁷²⁶--38
 217. 1863 -- ~Jan 18, Shelton Laurel Massacre, Rebels murder Unionists, Madison Co., NC-- 13
 218. 1863 -- Jan 29, US Army massacre Shoshone, camp on Bear River, Utah Terr., ID--250-493
 219. 1863 -- Apr 11, Chilula massacre by Hoopa/Chilulas ~Stone Lagoon, Humboldt Co., CA~30
 220. 1863 -- Apr 19, Keysville massacre, US Army attacks Natives, near Keysville, CA -- 35
 221. 1863 -- early spring-July, Dakota attack against settlers and military run-ins, MN²⁷²⁷-- ~30
 222. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY --105~120
 223. 1863 -- Aug 4, massacre, Confederates kill captured Union black soldiers, Jackson, LA--23
 224. 1863 -- Aug 21, atrocity/War Crime, Quantrell's Raiders, Lawrence, KS -- 191
 225. 1863 -- Sep 3, massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill ND-150-300
 226. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA~32
 227. 1864 -- Feb 20, atrocity, Confederates kill wounded black US soldiers, Olustee, FL --25-75
 228. 1864 -- Apr 12/13, Massacre, Confederates kill captives, esp. Black, Fort Pillow, TN--~300
 229. 1864 -- Apr 18, Rebels & Choctaws kill wounded/captured blacks, Poison Spring, AR- >10
 230. 1864 -- Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC-300-400
 231. 1864--Apr 25, Rebels murder runaway slaves with Union force, Marks' Mills, AR-100-150
 232. 1864 -- Apr 30, Captured and/or wounded soldiers killed, Battle of Jenkins' Ferry, AR->20
 233. 1864 -- Jun 10, Confederates kill captured black soldiers, Battle of Brice's Cross Roads, MS-->20
 234. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory--~100

²⁷²⁵ The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

²⁷²⁶ See Aug 17-Sep, 1872 entry above noting the deaths of 300-650 MN white settlers in the "uprising."

²⁷²⁷ Only some of the fatalities were due to a massacre – the Dustin family massacre while on the road, with four killed, was the most widely reported at the time.

235. 1864 -- July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA--~500
 236. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~Berryville, VA--≥10
 237. 1864 -- Sep, General massacre of Yana Natives, Northern CA -->335-500
 238. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK-≤40
 239. 1864 -- Sep 27, train robbery/murders, Bill Anderson/Jesse James, Centralia MO²⁷²⁸--22-27
 240. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70
 241. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO--130-150

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

242. 1865-Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY²⁷²⁹19-28
 243. 1865 -- Aug 16, Workman/Three Knolls massacre, Whites kill Yanas, Mill Creek, CA~40

 244. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN²⁷³⁰-46-48
 245. 1866 -- May 19-21, Massacres of Chinese Miners by Natives, Battle Creek vic., OR 50-150
 246. 1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA --38-48

 247. 1867 -- Apr 18, Labor Riot, Silver Bend Mining Co., Belmont, NV -- 20
 248. 1868 -- July 15 time-frame, White vs. Black Conflict, Millican, Brazos Co., TX -- 6-15
 249. 1868 -- Aug ~14-16, Cheyenne Raids on Settlers in and around Asher Creek, KS -- ~12
 250. 1868 -- Sep 28, Opelousas Massacre begins (racial/political), St. Landry Parish, LA--150-300
 251. 1868 -- Nov 27, “Battle” of the Washita, Custer attacks Cheyenne village, OK -- 103

 252. 1869 -- May 9, skirmish, settlers vs Natives on ~Musselshell River mouth, Montana Terr.--~35

 253. 1870 -- Jan 23, Baker Massacre/2nd Cav. of Piegan camp, Marias River, MT Terr.--173-217

 254. 1871 -- Cowboys (4) Massacre Yahi women/children, Kingsley Cave, Tehama Co., CA~30
 255. 1871 -- Mar 6-7 approximately, Racial Violence, Meridian, MS --25-30
 256. 1871 -- Apr 30, massacre of Apache, Camp Grant Arivaipa, Arizona Territory --125-150
 257. 1871 -- July 12, Boyne Day Parade and Religious “Orange Riot,” NYC -- < 60
 258. 1871 -- Oct 24, Racial Violence and Massacre, Chinatown, Los Angeles, CA -- 21
 259. 1871 -- Nov 5, Violence-Trampling, African Baptist Meeting-house, Louisville KY -- 11

 260. 1872 -- Apr 15, Shoot-out, U.S. Marshals & Cherokee, Indian Court House, OK -- 11
 261. 1872 -- Nov 29-30 Modoc “Hooker Jim” band kills white males, SE Tule Lake, CA --14-18

 262. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana --67-105
 263. 1873 -- Aug 5, Dakota/Sioux war party attack Pawnee camp, Massacre Canyon, NE-- ~70

 264. 1874 -- Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR -- >200

²⁷²⁸ Cross-listed in Violence-Civil War Atrocities/War Crimes and in Violence-Mass Murder. “Several” or “some” of the fatalities, which we translate as “3” were Centralia residents, not train passengers. The range for train killed generally runs from 22-25, mostly unarmed Union soldiers.

²⁷²⁹ A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without controversy.

²⁷³⁰ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire.

265. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA--10-≥26
 266. 1874 -- Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA-27-38
 267. 1874 -- Dec 07, Violence-Massacre, Whites attack Blacks, Vicksburg, MS -- 50

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

268. 1875 -- Sep 4-6, racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS --37-57
269. 1876 -- June 17, Battle of Rosebud Creek, USA/Crow/Shoshoni vs Lakota/Cheyenne, Big Horn Co., MT--29-77
 270. 1876 -- June 25, Battle of the Little Bighorn ~Little Bighorn Riv., SE MT Territory--315-~363
 1876 -- July 08, whites attack blacks (inc. Co. A 9th Regiment SCNG) Hamburg, SC-- 7
 271. 1876 -- Sep 15-21, racial violence, esp. ~Ellenton, Aiken & Barnwell Co's. SC --25-100
 272. 1876 -- Oct 30, fire scare/trampling, Chinese Royal Theatre, Jackson St. SF, CA --19-20
 273. 1876 -- Dec 05, fire, trampling, suffocation, Conway Theater, Brooklyn, NY²⁷³¹ --284-300
274. 1877 -- June 13-15, Nez Perce young men with grievances kill settlers, so. Tolo Lake area, ID --16-18
 275. 1877 -- June 17, battle, Nez Perce vs. 2 companies 1st Cavalry, White Bird Canyon, ID--US 34
 276. 1877 -- July 3, Cottonwood Battle, US Army chasing retreating Nez Perce, Cottonwood, ID--13
 277. 1877 -- July 10, Chief Joseph's Nez Perce massacre Chinese, Clearwater River, ID --30-31
 278. 1877 -- July 11-12, Battle of the Clearwater, US Army attacks Nez Perce, Idaho Co., ID-- 21
 279. 1877 -- July 17-27, Great Railroad Strike, workers vs. police/military, esp. WV/MD/IL/PA/NY/OH--100-137
 280. 1877 -- Aug 9-10, Battle of the Big Hole, US Army attacks Nez Perce, Beaverhead Co. MT--91-121
 281. 1877 -- Sep 30-Oct 5, Battle of Bear Paw, US Army attack fleeing Nez Perce, NW MT-- 53
282. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
 283. 1879 -- Oct 11-19, Apache massacre settlers, CO and NM --21-40
284. 1882 -- June, slave insurrection conspiracy charge, executions, Charleston, SC -- 35
285. 1883 -- May 30, crushing/trampling, Brooklyn Bridge, NY, NY -- 12
 286. 1883 -- Aug 12, massacre, Santa Fe Railroad surveyors attacked by Apache -- 13
287. 1884 -- Mar 28-30, Hamilton County Courthouse rioting, Cincinnati, OH --45-56
 288. 1884 -- June 04, infant bodies found, Nivison Home for Infants, Hammonton, NJ -- 21
 289. 1884 -- Nov 01, political riot, Loreauville, Iberia Parish, LA -- ≥18
 290. 1884 -- Nov 13, sabotage, Houston & TX Central Train derails, ~Hempstead, TX²⁷³²--9-12
291. 1885 -- Feb 12, arson fire, Dept. for Insane, Blockley Almshouse, Philly, PA²⁷³³ --19-20
 292. 1885 -- Sep 02, labor/racial violence/massacre, Chinese miners, Rock Springs WY²⁷³⁴-- 28
293. 1886 -- Mar 17, racial hate crime, Carrollton Massacre, Carrollton, MS -- 13
 294. 1886 -- May 03-04, labor Haymarket Affair/bombing/riot/massacre, Chicago, IL -- 11

²⁷³¹ Cross-listed in Fire-Structural

²⁷³² Cross-listed in Violence subsets Mass Murder and Sabotage.

²⁷³³ Cross-listed in Fire-Structural and in Violence subset of Mass Murder.

²⁷³⁴ Cross-listed under Violence-Racial.

- 1886 -- May 05, strikers & bystanders shot by Wisc. militia, Bay View, Milwaukee, WI-- 7
295. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR-- 31-34
296. 1887 -- Nov 23-25, violence, racial/labor, striking sugarcane workers, Thibodaux, LA²⁷³⁵--30->50

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

297. 1888 -- Aug 16, racial violence, White Regulators attack Blacks, Freetown, LA --10-21
298. 1888 -- Dec 08, Hawes lynch mob fired on, Jefferson Co. Jail, Birmingham, AL --10-15
299. 1889 -- Dec 10, fire scare, trampling, Parke Theater/Opera House, Johnstown, PA -- 12
300. 1889 -- Dec 25, racial violence, Jesup, GA --6-~10
301. 1890 -- massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD -- 350
302. 1891 -- Apr 02, violence, deputies kill strikers, Morewood Mine, Morewood, PA -- 11
303. 1891 -- Mar 14, racial violence, mob kills Italian prisoners, New Orleans LA -- 11
304. 1892 -- July 06, violence, strikers & Pinkertons, Carnegie Steel, Homestead, PA -- 11
305. 1895 -- Dec 27, fire panic, Trampling, Front St. Theater, Baltimore, MD -- 27
306. 1897 -- Sep 10, Lattimer Massacre, deputies shoot striking miners, Lattimer, PA -- 19
307. 1898 -- Oct 12, labor violence, coal miners and mine guards shootout, Virden, IL --12-13
308. 1898 -- Nov 10, racial and political (local coup d'état) violence, Wilmington, NC --22-26
309. 1900 -- Mar 12, arson fire (charged), Italian tenement building, Newark, NJ²⁷³⁶ -- 16
310. 1900 -- July 03, arson fire (alleged), tenement, Adams & First Sts., Hoboken NJ²⁷³⁷ --13-14
311. 1900 -- Jul 24-27, Anti-black riots (re. Robert Charles shootings), New Orleans, LA²⁷³⁸~12
312. 1901 -- July 04, strike riot, dynamite explosion, Smuggler Mine, Telluride, CO -- 15
313. 1901 -- Oct 27, Race Riot, Balltown, Washington Parish, LA -- 9-18
314. 1902 -- Apr 30, False-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA-- 8-10
315. 1902 -- Sep 20, Panic/Stampede, Shiloh Baptist Church Birmingham, AL -- 115
316. 1903 -- Dec 30, Trampling, Suffocation, Iroquois Theater Fire, Chicago, IL²⁷³⁹ -- 602
317. 1904 -- Mar 23-24, Racial Violence Against Blacks, St. Charles, AR -- 13
318. 1904 -- Jun 06-8, Labor viol., bombing/shooting, Cripple Creek, Teller County, CO -- 21
319. 1905 -- Feb 27, Floor Collapse, Fire Scare/Trampling, Church Serv., Brooklyn NY²⁷⁴⁰-- 11
320. 1905 -- Apr 06-Jul 19, Labor Violence, Teamsters' Strike and Riots, Chicago, IL -- 21
321. 1905 -- Jun 21, Sabotage, Train Derails, Twentieth Century Ltd., Mentor OH²⁷⁴¹ --19-21
322. 1906 -- Jan 21, Fire, Trampling, St. Paul's Baptist Church, Philadelphia, PA -- 18
323. 1906 -- Sep 22-26, Race Rioting, Atlanta, GA --25-40
324. 1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA²⁷⁴² --169-175
325. 1908 -- Mar 04, Fire/Trampling/Suffocation, Lakeview Sch., Collinwood, OH²⁷⁴³--172-178

²⁷³⁵ There were unconfirmed reports of up to 300 fatalities.

²⁷³⁶ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷³⁷ Cross-listed in Fire-Structural.

²⁷³⁸ This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.

²⁷³⁹ Cross-listed in Fire-Structural

²⁷⁴⁰ Cross-listed under Structural Failures

²⁷⁴¹ Cross-listed in Rail and in Violence subsection Mass Murder.

²⁷⁴² Cross-listed in Fire-Structural

326. 1908 -- Aug 14-15, Springfield Race Riot; whites attack blacks, Springfield, IL --10-≥12
327. 1910 -- July 3-5, race riots & violence, result of Jack Johnson defeat of Jim Jeffries --18-24
328. 1910 -- July 29-30, Racial Rioting, Whites attack Blacks, Slocum, TX and vicinity --18-28
329. 1910 -- Oct 01, Labor Violence, Trade Unionist bombing, LA Times, Los Angeles, CA--21

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

330. 1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN -- 20
331. 1911 -- Aug 26, Trampling/Suffocation, Opera House, Canonsburg, PA -- 26
- 1912 -- June 10, Family and two girls Murdered in Sleep with Axe, Villisca, IA -- 8
332. 1913 -- Feb 10, labor violence, miners/guards clash, ~Mucklow, Kanawha County WV--16
333. 1913 -- Sep 28, Mass Murder Shooting Spree, Lynching, Harriston, MS --11-12
334. 1913 -- Dec 24, Crushing/Trampling Italian Hall Disaster, Calumet, MI --73-75
335. 1914 -- Apr 20, Ludlow Massacre, Gov. Force, (CO NG attacks mine strikers)²⁷⁴⁴ --18-25
336. 1914 -- Sep 18, sabotage leads to train derailment, Livingston, AL -- 10
- 1915 -- Mar 06, Monroe Phillips shooting rampage (kills 6, is shot) Brunswick, GA -- 7
337. 1915 -- Oct 28, Fire, Trampling, St. John's Parochial School, Peabody, MA²⁷⁴⁵ -- 21
338. 1916 -- Jan 10, mass murder, Americans on train 50M W. Chihuahua City, MX --16-17
339. 1916 -- Mar 09, Pancho Villa Attacks Columbus, NM -- 18
- 1916 -- March 5-6, Daniel Okane kills family (7) and commits suicide, Lawton, OK -- 8
340. 1916 -- Jul 22, Mass Murder, Preparedness Day Parade Bombing, San Fran. CA -- 10
- 1916 -- Nov 5, Labor Violence, IWW workers/local law enforcement, Everett, WA²⁷⁴⁶-- 7
341. 1916 -- Mass Killing, Archer Home for Elderly, Winsor, New Haven County, CT -- 10
342. 1917 -- July 1-3, especially July 2, East St. Louis anti-black race riots, IL --48-200
343. 1917 -- Aug 23, 24th Infantry (Black)/Camp Logan Mutiny/Racial Riot, Houston, TX -- 20
344. 1917 -- Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI -- 10
345. 1918 -- Oct 04, Attack, Steamer *San Sabo* hits mine, 15 mi. SW of Barnegat, NJ²⁷⁴⁷ -- 30
- 1919 -- July 19-23, Race Riots, Washington, DC -- 6
346. 1919 -- July 27-31 (dates of major rioting and deaths), Race Riots, Chicago, IL -- 38
- 1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA -- 5-9
347. 1919 -- Sep 30-Oct 2, Racial Violence, Hoop Spur, Elaine vic., Phillips Co., AR --100-200

²⁷⁴³ Cross-listed in Fire-Structural

²⁷⁴⁴ Cross-listed under Violence Subsets – Governmental Use of Force and in Labor-Related.

²⁷⁴⁵ Cross-listed in Fire-Structural and in Violence subset of Crushing, Trampling, Suffocation. Most of the girls died at the door block.

²⁷⁴⁶ Cross-listed in Violence subsets Governmental Use of Force and Labor-Related.

²⁷⁴⁷ Cross-listed in Maritime.

- 1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA-- 6
 348. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA²⁷⁴⁸ --25-28

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

349. 1920 -- May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV --10-11
 350. 1920 -- Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY²⁷⁴⁹ --30-38
351. 1921 -- May 12-15, Battle of the Tug, coal mine labor conflict, Mingo County, WV -- 6-20
 352. 1921 -- May 31-Jun 1, Race Riot, whites attack blacks, Greenwood area, Tulsa OK²⁷⁵⁰-39-100
 353. 1921 -- June 25/26, Mass Murder/home then burned, Hamilton/Drew families, ~Mayfield, KY-11
 354. 1921 -- Aug 27-Sep 3, Battle of Blair Mt., Miners vs. Operators, Logan Co., WV --16->50
355. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL²⁷⁵¹-- 23
 356. 1922 -- July 17, striking miners attack Saledka Mine, Sheriffs men, Cliftonville, WV--9-21
- 1923 -- Jan 1-7, Rosewood rioting, whites attack blacks, Rosewood, Levy Co., FL -- ≥8
357. 1924 -- Sep 9, Labor Violence, Filipino Strikers/Sheriffs Clash, Hanapepe, Kauai, HI-- 20
358. 1927 -- May 18, Dynamite Bombing, Bath Township Consolidated School, MI²⁷⁵² -- 46
 1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO-- 6
- 1929 -- Feb 14, St. Valentine's Day Massacre, Capone gang vs. Moran gang, Chicago IL- 7
 359. 1929 -- Oct 3-4 CO State Penitentiary uprising (8 guards, 5 convicts die), Canon City, CO-- 13
 1929 -- Dec 11, prison riot, eight convicts and head keeper killed, Auburn Prison, NY²⁷⁵³- 9
 1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8
360. 1932 -- June 07, explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH²⁷⁵⁴--13

²⁷⁴⁸ Cross-listed in Explosions and in Fires/Structural – about half the fatalities were due to crushing.

²⁷⁴⁹ Cross-listed in Violence-Bombing, violence Mass Murder and in Violence-Terrorism.

²⁷⁵⁰ A death toll chapter (Clyde Snow) in the report of the 2001 Oklahoma Commission to Study the Tulsa Race Riot of 1921, notes documented death toll of 39. We have long footnote in our document on this event (in Spreadsheet) which explains why we choose 100 as high-end of our range. Most accounts today report death toll of up to 300, if not more. 300 number derives from 1921 Red Cross report noting it was one estimate heard, while another was 55, and that the actual number was unknown. 300 is a guestimate of the time not based on documentation or counting.

²⁷⁵¹ Two striking union-miners were killed by mine guards June 21 when attacked by large group of striking miners; one other died of his wounds on July 13. 19-20 non-union miners and mine guards were murdered June 22 by union miners. (The coroner's records turned over to the grand jury indicated 20 nonunion men, while the records of the undertakers who buried them indicated 19 burials.) On Oct. 2 Ignus Kubins, a hospitalized nonunion miner died of his wounds. Thus, there were 23 certain fatalities, and possibly more. There were reports of missing men, of men tossed into a pond or drowned in a river while attempting to escape, and of men burned and consumed in the burning of railroad cars at the strip mine, thus the possibility exists of one or more additional deaths.

²⁷⁵² Kehoe's bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster's father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of "lingering injuries." Cross-listed in Violence subsets of Bombings and School Shootings/Bombings.

²⁷⁵³ Three other convicts were later executed at Sing Sing Prison, NY for their role in the violence.

²⁷⁵⁴ Cross-listed in Fire-Structural and in Violence subset of Mass Murder.

- 1932 -- Nov 24, Julian Marcelino rampage with knives, Seattle, WA -- 6
- 1933 -- June 17, shooting murder of four law officers plus prisoner, Kansas City, MO-- 5

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

361. 1935 -- Sep 29, arson fire, tenement, Chicago, IL²⁷⁵⁵ -- 10
362. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19
363. 1937 -- May 30, unarmed striking steel workers shot by police, Chicago, IL²⁷⁵⁶ -- 10
364. 1939 -- Aug 12, train derails via sabotage, South Pacific Railroad Carlin, NV²⁷⁵⁷ -- 24
365. 1940 -- Apr 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
366. 1941 -- Oct 17, attack. USS *Kearny* torpedoed by German submarine, off Iceland²⁷⁵⁸-- 11
367. 1941 -- Oct 31, attack, USS *Reuben James* sunk by German sub, near Iceland²⁷⁵⁹ -- 115
368. 1941 -- Dec 07, attack by Japanese on Pearl Harbor, HI --2,402
369. 1942 -- Nov 28, fire/trampling/suffocation, Cocanut Grove Nightclub, Boston, MA-- 498
370. 1943 -- June 20-22, Detroit racial rioting, MI -- 34
371. 1944 -- Mar 28, arson fire, New Amsterdam Hotel, San Francisco, CA²⁷⁶⁰ -- 22
372. 1945 -- May 05, attack, civ. US steamer *Black Point* torpedoed off Point Judith, RI²⁷⁶¹-- 12
- 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT-- 9
373. 1947 -- Dec 25, gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV²⁷⁶² 15
374. 1949 -- Sep 06, Howard Barton Unruh rampage mass shooting, Camden, NJ²⁷⁶³ -- 13
375. 1950 -- Apr 08, USN Privateer patrol bomber shot down by USSR, Baltic Area²⁷⁶⁴ -- 10
376. 1950 -- Oct 29-Nov 6,²⁷⁶⁵ Independence uprisings multiple locations, Puerto Rico -- ~33
377. 1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC- 2
378. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
379. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan--12
380. 1953 -- July 29, Yokota Air Base, Japan, USAF RB-50, shot down, Sea of Japan²⁷⁶⁶-- 16
- 1954 -- Mar 01, Puerto Rican nationalists shoot 5, floor of US House of Representatives--0
381. 1955 -- Nov 01, United 629 blown-up (relative of passenger bomb), Longmont, CO -- 44
382. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
383. 1958 -- Jan 21-29, Starkweather shooting spree, 9 in Nebraska, 1 in Wyoming -- 10

²⁷⁵⁵ Cross-listed in Fire-Structural and in Violence subset of Mass Murder.

²⁷⁵⁶ Cross-listed in Violence sub-sections Governmental Use of Force and Labor-Related.

²⁷⁵⁷ Cross-listed in Rail.

²⁷⁵⁸ Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.

²⁷⁵⁹ Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.

²⁷⁶⁰ Cross-listed in Violence subset Arson.

²⁷⁶¹ Cross-listed in Maritime.

²⁷⁶² Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).

²⁷⁶³ Cross-listed in Violence subsets of Mass Murder and Shooting Sprees.

²⁷⁶⁴ Cross-listed in Aviation.

²⁷⁶⁵ Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.

²⁷⁶⁶ Cross-listed in Aviation.

384. 1958 -- Sep 2, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR²⁷⁶⁷-- 17
 385. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mex²⁷⁶⁸ -- 42
 386. 1959 -- Nov 16, National Air Flight 967 crashes, suspected sabotage, Gulf of Mex.²⁷⁶⁹-- 42

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

387. 1960 -- Jan 06, mass murder, National Air Flight 2511 blown-up, Bolivia, NC²⁷⁷⁰ -- 34
 388. 1962 -- May 22, Mass Murder, Cont. Flight 11 Blown-Up over Unionville, MO²⁷⁷¹ -- 45
 1963 -- Sep 15, KKK members bomb 16th Street Baptist Church, Birmingham, AL -- 4
 389. 1963 -- Nov 18, fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ²⁷⁷² -- 25
 390. 1964 -- May 07, mass murder, pilot shot, Pacific Air 773 crashes, San Ramon, CA,²⁷⁷³-- 44
 391. 1965 -- Aug 11-17, Watts race riots, Los Angeles, CA -- 34
 392. 1965 -- Dec 11, arson fire/mass murder, Seeley Club (tavern), Chicago, IL²⁷⁷⁴ -- 13
 1966 -- July 14, Richard Speck mass murder of nurses, dorm room, Chicago, IL -- 8
 393. 1966 -- Aug 01, Charles Whitman killing spree, Univ. TX-Austin Tower Sniper²⁷⁷⁵ --16-17
 394. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK²⁷⁷⁶ -- 14
 1967 -- Jan 06, suicide and homicide bomb explosion, Orbit Inn Motel, Las Vegas, NV-- 6
 395. 1967 -- June 08, attack, USS *Liberty* by Israeli air and naval craft, near Sinai Penn. -- 34
 396. 1967 -- July 12-17 (esp. 13th), police violence and racial rioting, Newark, NJ²⁷⁷⁷ --23-26
 397. 1967 -- July 23-26, Detroit racial riots and excessive use of Governmental force, MI-- 43
 398. 1968 -- Feb 16, arson fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO²⁷⁷⁸ -- 12
 399. 1968 -- Apr 01, attack, Navy P3B coastal surveillance downed, Gulf of Thailand²⁷⁷⁹-- 12
 400. 1968 -- Apr 04-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC --42-46
 401. 1969 -- Apr 14, attack, Navy EC-121M shot down by North Korea, Sea of Japan²⁷⁸⁰-- 31
 402. 1969 -- June 8, arson (patricide), Bailey family home fire, Parkersburg, WV²⁷⁸¹ -- 12

 403. 1970 -- Mar 20, Ozark Hotel (“flophouse”), arson fire, Seattle, WA²⁷⁸² -- 20
 1970 -- May 04, Kent State demonstration and Ohio National Guard shootings, OH -- 4
 404. 1970 -- Dec 20, mass murder, arson fire, Pioneer International Hotel Tucson, AZ²⁷⁸³-- 29

²⁷⁶⁷ Cross-listed in Aviation.

²⁷⁶⁸ Cross-listed in Aviation.

²⁷⁶⁹ Cross-listed in Aviation. Presumed explosion thought to be for collection of insurance.

²⁷⁷⁰ Cross-listed in Aviation.

²⁷⁷¹ Cross-listed in Aviation.

²⁷⁷² Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.

²⁷⁷³ Cross-listed in Aviation.

²⁷⁷⁴ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷⁷⁵ Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

²⁷⁷⁶ Cross-listed in Fire-Structural.

²⁷⁷⁷ One death was a drug overdose. Have not been able to determine why this was attributed to the rioting. There were twenty-three shooting deaths, an allegedly riot-related heart attack, and a vehicular related death.

²⁷⁷⁸ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷⁷⁹ Cross-listed in Aviation.

²⁷⁸⁰ Cross-listed in Aviation.

²⁷⁸¹ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁷⁸² Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁷⁸³ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

405. 1971 -- Feb 25-May 21, Juan Corona migrant farm worker killings, ~Yuba City, CA-- 25
 1971 -- June 14, "dope den" "execution style" shootings, motel room, Detroit, MI -- 8
 406. 1971 -- Sep 09-13, Attica Prison riot/ government re-taking of prison, Attica, NY -- 39

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

407. 1973 -- Jan 29, arson fire, Street's Sheltered Care Rest Home, Pleasantville, NJ²⁷⁸⁴ -- 10
 408. 1973 -- June 24, arson fire, gay UpStairs Cocktail Lounge, New Orleans, LA²⁷⁸⁵ -- 32
 409. 1974 -- Jan 15-Jan 19, 1991-- D. Rader serial murders, Wichita area, Sedgwick Co., KS-- 10
 410. 1974 -- June 30, fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY -- 24
 1974 -- Aug 06, Los Angeles Int. Airport bomb, near Pan Am overseas check-in, CA-- 3
 411. 1974 -- Sep 08, TWA Flight 841 Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88
 412. 1975 -- Mar 30, mass murder, James Ruppert shoots relatives, Hamilton, OH -- 11
 413. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia--41
 May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23
 May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
 May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
 May 14, USAF Marine killed in combat with Khmer Rouge, Koh Tang -- 1
 May, captured Marines inadvertently left behind, executed, Cambodia -- 3
 414. 1975 -- July 07, arson fire, Pomona Hotel, Portland, OR²⁷⁸⁶ --11-12
 415. 1975 -- Dec 29, LaGuardia Airport bomb explosion, TWA baggage area, Brooklyn, NY-- 11
 416. 1976 -- Jan 30, arson fire, Wincrest Nursing Home, Chicago, IL²⁷⁸⁷ -- 24
 1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV-- 5
 1976 -- June 30, youth prisoners start fire, McDowell County Prison, Marion, NC -- 9
 417. 1976 -- Oct 24, arson fire, Puerto Rican Social Club, Bronx, NY -- 25
 418. 1977 -- June 26, arson Fire, Maury County Jail, Columbia, TN²⁷⁸⁸ -- 42
 1977 -- Aug 03, terrorism, Puerto Rican F.A.L.N bombings/2 bldgs., Manhattan, NY-- 1
 419. 1978 -- June 22, drifters kill family of 3; 6 steakhouse workers/July 16, Purcell & OK City, OK- 9
 420. 1978 -- Nov 05, arson fire, Allen Motor Inn, Honesdale, Wayne County, PA²⁷⁸⁹ -- 12
 421. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana²⁷⁹⁰-918
 422. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY-- 10
 1978-1995 -- Unabomber bombs, terrorism -- 3
 423. 1979 -- Jan 20, arson fire, tenement, Clinton Street, Hoboken, NJ²⁷⁹¹ -- 21
 424. 1979 -- July 31, arson fire (smoke inhalation deaths), Holiday Inn, Cambridge, OH²⁷⁹²-- 10
 425. 1979 -- Dec 03, WHO concert crushing/trampling, Riverfront Colism., Cincinnati OH-- 11

²⁷⁸⁴ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷⁸⁵ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁷⁸⁶ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁷⁸⁷ Cross-listed in Fire-Structural.

²⁷⁸⁸ Cross-listed in Fire-Structural and in Violence subset of Arson.

²⁷⁸⁹ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁷⁹⁰ Northeast South America, with Venezuela to the west, Brazil to the south and southwest and Suriname to the east. All were from the U.S. except for a number of adopted Guyana children.

²⁷⁹¹ Cross-listed in Fire-Structural and in Violence subset of Arson-Manslaughter/Homicide.

²⁷⁹² Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

426. 1980 -- Feb 02-03, NM State Penitentiary uprising/inmate killings, ~Santa Fe, NM -- ≥33
 427. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami FL--18
 428. 1980 -- July 5-6, smugglers abandon immigrants, dehydration, Organ Pipe Cactus Nat. Mon., AZ²⁷⁹³--13
 1980 -- Sep 20, ex-wife & family killed by ex-husband's booby-trap bomb, Olathe, KS-- 6
 429. 1980 -- Oct 28, arson fire, apartment building, Chicago, IL²⁷⁹⁴ -- 10
 430. 1980 -- Dec 04, fire, Conference Ctr. at Stouffer's Inn (possibly arson),²⁷⁹⁵ Harrison, NY--26

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

431. 1981 -- Mar-Apr, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
 432. 1981 -- Oct 24, arson fire, apartment bldg., 12th and Washington, Hoboken, NJ²⁷⁹⁶ -- 11
 433. 1982 -- Apr 30, arson fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ²⁷⁹⁷ -- 13
 1982 -- July 02, wife, children, mother-in-law shot (5), suicide, Thompson falls MT-- 6
 434. 1982 -- July 05, arson fire, apartment building, Waterbury, CT²⁷⁹⁸ -- 14
 1982 -- Aug 20, rampage shooting (8), mentally disturbed man (killed), Miami, FL²⁷⁹⁹-- 9
 435. 1982 -- Sep 04, mass murder/arson, Dorothy Mae Apts./Hotel, Los Angeles, CA --24-25
 436. 1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA-- 13
 437. 1983 -- Feb 19, fatal shootings (13 of 14), Wah Mee Club, Seattle “Chinatown”, WA-- 13
 438. 1983 -- Apr 18, terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
 439. 1983 -- Oct 23, terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon -- 241
 440. 1984 -- Apr 15, mass murder, Christopher Thomas “Palm Sunday Massacre,” NYC -- 10
 441. 1984 -- May-Nov, Bobby Joe Long serial killings of women, Tampa Bay Area, FL -- ≥10
 442. 1984 -- July 04, arson fire, Elliott Chambers Rooming Home, Beverly, MA²⁸⁰⁰ -- 15
 443. 1984 -- July 18, mass killing, James Oliver Huberty, McDonald's, San Ysidro, CA -- 21
 444. 1984 -- Oct 18, arson fire, Alexander Hamilton residential Hotel, Paterson, NJ²⁸⁰¹ -- 15
 445. 1985 -- May 13, gov. violence, police bomb MOVE group, row house fire, Philly PA²⁸⁰²-11
 446. 1986 -- Aug 20, postal worker Pat Sherrill mass shooting, Post Office, Edmond, OK²⁸⁰³- 14
 447. 1986 -- Dec 31, arson fire, Dupont Plaza Hotel, San Juan, Puerto Rico²⁸⁰⁴ -- 97

²⁷⁹³ Cross-listed in Violence in that smugglers deliberately abandoned these immigrants (men, women, children), after stealing their possessions (as well as an 18-month-old baby), and did not disclose that safety could be sought by going to a highway just three miles away.

²⁷⁹⁴ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁷⁹⁵ A waiter was charged with arson and 26 counts of murder and found guilty by jury; presiding judge overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

²⁷⁹⁶ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷⁹⁷ Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

²⁷⁹⁸ Cross-listed in Fire-Structural.

²⁷⁹⁹ Cross-listed in Violence subsets of Mass Murder and Mass Murder-Mass Shootings.

²⁸⁰⁰ Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁸⁰¹ Cross-listed in Fire-structural. (originally a hotel, but had become a low-rent apartment building.)

²⁸⁰² Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.

²⁸⁰³ Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence subsets of Mass Murder and Shooting Sprees.

448. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf²⁸⁰⁵ -- 37
 1987 -- July 11/12, man shoots wife, 2 children, parents, in-laws, self, Federal Way, WA--8
 449. 1987 -- Dec 07, mass murder, Pac. SW Flight 1771 hijacked/crashed, Cayucos, CA²⁸⁰⁶-- 43
 450. 1987 -- Dec 22, 26, 28, R. Gene Simmons killing spree, Dover & Russellville, AR -- 16

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

- 1988 -- Feb 16, Richard Wade Farley workplace shootings. ESL Inc., Sunnyvale, CA-- 7
 451. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland-²⁸⁰⁷-(189 U.S.) 270
- 1989 -- Jan 17, school shooting, Cleveland Elementary School, Stockton, CA²⁸⁰⁸ -- 5-6
 1989 -- Sep 14, assault rifle workplace mass murder (8)/suicide, Louisville, KY -- 9
452. 1990 -- Mar 25, arson fire, Happy Land Social Club, Bronx, NY²⁸⁰⁹ -- 87
 453. 1990 -- June 17-18, violence/shootings, esp. GMAC (18th), Jacksonville, FL²⁸¹⁰ --11-12
454. 1991 -- Oct 16, violence, rampage shooting, Luby's Restaurant, Killeen, TX²⁸¹¹ --23-24
 1991 -- Nov 01, Gang Lu killing spree, University of Iowa, Iowa City, IA --²⁸¹²5-6
455. 1992 -- Apr 29-May 4, riots following Rodney King verdict, Los Angeles, CA --53-54
 1992 -- July 07, arson fire set by mother kills six of her children, Baltimore, MD²⁸¹³-- 6
 1992 -- Aug 21-22, violence, gov. use of force, U.S. Marshals/FBI, Ruby Ridge, ID -- 3
- 1993 -- Feb 27, arson fire & mass murder, apartment building, Providence, RI²⁸¹⁴ -- 6
 456. 1993 -- Feb 28, shootout, Large ATF force attempts to serve David Koresh, Waco, TX²⁸¹⁵-- 10
 457. 1993 -- April 19, FBI/ATF attack Branch Davidian compound/fire near Waco, TX -- 75
 458. 1993 -- May 3, arson fire, apt./tenement bldg., Burlington Ave., Los Angeles, CA²⁸¹⁶-- 10
459. 1995 -- Apr 19, terrorism, Alfred P. Murrah Fed. Bldg. bombing, Oklahoma City²⁸¹⁷-- 168

²⁸⁰⁴ Cross-listed in Fire-Structural and in Violence subsection of Mass Murder.

²⁸⁰⁵ Cross-listed in Maritime.

²⁸⁰⁶ Cross-listed under Aviation.

²⁸⁰⁷ Sub-listed in Terrorism and cross-listed in Aviation.

²⁸⁰⁸ Five children, ages 6-9, before gunman killed himself. The question for some is does one count the murderer as a victim of this tragedy as well? The one person range in the sources reflect this question, with the exception of a source which incorrectly notes the death of one teacher (one teacher was injured.)

²⁸⁰⁹ Cross-listed in Fire-Structural

²⁸¹⁰ James Edward Pough shot and killed two people on 17th. Next day he killed six at the GM scene, then himself. Three died later. Thus nine died as result of June 18 attack. In all there were 11 murders and one suicide.

²⁸¹¹ Twenty-three killed by the shooter, George Hennard, who killed himself after being wounded by police.

²⁸¹² Four University of Iowa faculty and one student killed before gunman commits suicide.

²⁸¹³ Cross-listed in Fire.

²⁸¹⁴ Cross-listed in Fire-Structural.

²⁸¹⁵ Four ATF agents/six Davidians. See 4-19-1993 on FBI/ATF attack, wherein 75 Davidians (25 children) died.

²⁸¹⁶ Cross-listed in Fire-Structural and in Violence subset-Arson.

²⁸¹⁷ Cross-listed in Explosions and in Fire-Structural.

- 1996 -- Feb 9, fired city worker shoots five former coworkers, self, Fort Lauderdale FL-- 5-6
- 1997 -- Feb 23, Middle East terrorism, shooting, Empire State Building, NYC, NY -- 1
460. 1997 -- ~Mar 23, mass suicide, Heaven's Gate Cult, Rancho Santa Fe, CA -- 39

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

- 1998 -- Jan 29, abortion clinic bombing, (Eric Rudolph), Birmingham, AL -- 1
461. 1999 -- Apr 20, Columbine High School shooting, Columbine, CO²⁸¹⁸ --13-15
462. 1999 -- July 27-29, workplace shootings/9; family killed/3; suicide/1; Atlanta, GA -- 13
463. 1999 -- Oct 31, mass murder, Egypt Air Flight 990 crash, off Nantucket Isl. MA²⁸¹⁹ -- 217
- 1999 -- Nov 02, workplace mass murder shootings, Xerox, Honolulu, HI²⁸²⁰ -- 7
464. 2000 -- Oct 12, suicide terrorism, USS *Cole* bombed, Port of Aden, Yemen -- 17
465. 2001 -- May ~24, smugglers abandon immigrants without water in desert heat, AZ²⁸²¹-- 14
466. 2001 -- Sep 11, 9/11 terrorist attacks, WTC (NYC), Pentagon, Shanksville, PA²⁸²² --3,064
- Sep 11, World Trade Center, American 11 and United 175, NY --2,830
- Sep 11, American Airlines hits Pentagon, Arlington, VA -- 189
- Sep 11, United Airlines N591UA plane crash Shanksville, PA -- 45
467. 2002 -- Oct 2-24, terrorism, DC Beltway sniper killings, Wash. DC Vicinity -- 10
468. 2002 -- Oct 13, decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11
469. 2003 -- Feb 17, stampede/crushing/asphyxiation, E2/Epitome Night Club, Chicago, IL-- 21
470. 2003 -- Feb 20, fire, trampling, Station Nightclub, West Warwick, RI²⁸²³ -- 100
471. 2003 -- May 13-14 illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX-- 19
472. 2003 -- Oct 25-Nov 4, arson wildfires (esp. Cedar, Old Fire, Paradise), Southern CA²⁸²⁴ --22-24
473. 2004 -- Sep 12, arson fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
474. 2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA²⁸²⁵ -- 11
475. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN --²⁸²⁶9-10
- 2005 -- May 21, arson fire, house during child's birthday sleepover, Cleveland, OH²⁸²⁷-- 9

²⁸¹⁸ Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

²⁸¹⁹ Cross-listed in Aviation.

²⁸²⁰ Cross-listed in Violence subsections Mass Murder and Mass Shootings.

²⁸²¹ Cross-listed in Heat.

²⁸²² The four planes involved are cross-listed in Aviation.

²⁸²³ Cross-listed under Fire-Structural

²⁸²⁴ Cross-listed in Fires – Forest, Prairie and Wildfires.

²⁸²⁵ Cross-listed in Rail, and in Vehicular. The driver of the SUV was allegedly going to commit suicide via train collision, but got out prior to impact. Was sentenced to eleven life sentences for murder.

²⁸²⁶ Killed were nine people -- shooter's grandfather and grandfather's girlfriend, a security guard at Red Lake High School, 5 high school students, one teacher, before 16-year-old high school student shooter committed suicide.

²⁸²⁷ Cross-listed in Fire-Structural.

- 2006 -- Mar 26, mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA²⁸²⁸--7
 2006 -- Oct 2, West Nickel Mines School (Amish) shooting, Lancaster County, PA²⁸²⁹--5-6
 476. 2006 -- Oct 31, arson fire, Mizpah Hotel, North Lake St., Reno, NV²⁸³⁰ -- 12

VIOLENCE – **Master Set** – **Deadliest American** – **CHRONOLOGICAL** (continued):

477. 2007 -- Apr 16, Virginia Tech shootings, Blacksburg, VA²⁸³¹ --32-33
 2008 -- Feb 14, classroom killings, Northern Illinois University, DeKalb, IL²⁸³² -- 5-6
 478. 2008 -- Dec 24, Pardo mass shooting of wife, in-laws, self & arson deaths, Covina CA-- 10
 479. 2009 -- Mar 10, mass murder, McLendon shooting spree, Geneva County, AL -- 10
 480. 2009 -- April 3, mass killings, Immigration Services Center, Binghamton, NY²⁸³³ --13-14
 481. 2009 -- Nov 05, mass killing, Army Major, Fort Hood, TX -- 13
 2010 -- Aug 03, workplace shootings, worker kills 8 coworkers/self, Manchester, CT-- 9
 2011 -- Jan 8, mass shooting (inc. Gabby Giffords), grocery parking lot, Casas Adobes, AZ--6
 2012 -- Apr 02, school shootings, Oikos University, Oakland, CA²⁸³⁴ -- 7
 482. 2012 -- July 20, James Holmes mass shooting, Century 16 Theater, Aurora, CO -- 12
 2012 -- Aug 05, Sikh Temple of Wisconsin rampage mass shooting, Oak Creek, WI -- 7
 483. 2012 -- Dec 14, mass shooting, Sandy Hook Elementary School, Newtown, CT²⁸³⁵ --27-28
 2013 -- Apr 15, terrorism, Boston Marathon bombs, MIT officer killed Apr 19, MA -- 4
 484. 2013 -- Sep 16, Navy Yard mass shooting, Washington, DC²⁸³⁶ -- 13
 2014 -- May 23, mass murder, Univ. of California at Santa Barbara, Isla Vista, CA²⁸³⁷-- 7
 2015 -- May 17, biker-gangs/police shoot-out at Twin Peaks restaurant, Waco, TX -- 9
 2015 -- June 17, violence, mass shooting, AME Church, Charleston, SC -- 9
 485. 2015 -- Oct 01, mass shooting, Umpqua Community College, Roseburg, OR²⁸³⁸ -- 9-10
 486. 2015 -- Dec 2, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA²⁸³⁹-14

²⁸²⁸ The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

²⁸²⁹ Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

²⁸³⁰ Cross-listed in Fires-Structural and in Violence subset of Mass Murder.

²⁸³¹ Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter.

²⁸³² Five student victims and the gunman suicide.

²⁸³³ Shooter shoots and kills thirteen people and then shoots himself fatally.

²⁸³⁴ Cross-listed in two Violence subsets – Rampage Shootings, and School Shootings.

²⁸³⁵ Shooter killed 27 – 20 children and 6 adults at the school, plus his mother at home. Committed suicide (#28).

²⁸³⁶ Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

²⁸³⁷ Six students were shot or stabbed to death before the killer shot himself in the head.

²⁸³⁸ The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.

²⁸³⁹ Sub-listed in Mass Murder and in Terrorism.

- 2016 -- Feb 20, violence, Uber driver random mass shootings, Kalamazoo, MI -- 6
 487. 2016 -- June 12, shooting/terrorism/hate-crime, Gay Nightclub, Orlando, FL²⁸⁴⁰ -- 50
 488. 2016 -- Nov 28, Chimney Tops 2 arson wildfire hits Gatlinburg, Sevier County, TN²⁸⁴¹--14

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

489. 2017 -- July 23, migrants die in hot semi-trailer found in parking lot, San Antonio, TX-- 10
 490. 2017 -- Oct 01, shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV²⁸⁴²--58-59
 2017 -- Oct 31, Islamic terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
 491. 2017 -- Nov 05, mass shooting, First Baptist Church, Sutherland Springs, TX -- 26
492. 2018 -- Feb 14, school shooting, Marjory Stoneman Douglas High Sch., Parkland, FL-- 17
 493. 2018 -- May 18, school shooting, Santa Fe High School, Santa Fe (near Houston), TX-- 10
 494. 2018 -- Oct 27, mass shooting, Tree of Life Synagogue, Pittsburgh, PA -- 11
 495. 2018 -- Nov 7, mass shooting (12) suicide/1, Borderline Bar & Grill, Thousand Oaks, CA-- 13
- 2019 -- Feb 15, workplace shooting; five killed by shooter, shooter killed, Aurora, IL-- 6
 496. 2019 -- May 31, workplace shooting, Municipal Cen. Bldg. No. 2, Virginia Beach, VA-- 12
 497. 2019 -- Aug 03, white supremacist lone gunman mass shooting, Walmart, El Paso, TX-- 22
 498. 2019 -- Aug 04, mass shooting outside bar (9 deaths), police kill shooter, Dayton, OH-- 10
 2019 -- Aug 31, shooting rampage (7 killed by shooter), Midland-Odessa area, TX -- 8
- 2020 -- Sep 06, mass shooting/Laotians, illegal marijuana growing house, Aguanga, CA-- 7
- 2021 -- Mar 16, mass shootings, two Atlanta, one Cherokee County Spas, GA -- 8
 499. 2021 -- Mar 22, Ahmad Alissa mass shooting, King Soopers grocery, Boulder, CO -- 10
 2021 -- Apr 15, mass-shooting/8, and suicide, FedEx facility ~Indianapolis Airport, IN-- 9
 500. 2021 -- May 16, mass shooting/9 and suicide, San Jose Light Rail Yard, San Jose, CA-- 10
 501. 2021 -- Aug 26, ISIS-K suicide bomb kills US military members, Kabul Afghanistan AP-- 13
 502. 2021 -- Nov 5, crushing/trampling, Travis Scott Astroworld festival concert, Houston TX--10
503. 2022 -- May 14, hate crime shooting, Top Supermarket, Buffalo, NY -- 10
 504. 2022 -- May 24, Robb Elementary School shooting (19 students 2 teachers killed) Uvalde TX-- 21
 505. 2022 -- June 27, tractor trailer found with dead/dying migrants inside, San Antonio TX-- 53
 2022 -- July 04, sniper shoots parade spectators from building roof, Highland Park, IL-- 7
506. 2023 -- Jan 21, Lunar New Year mass shooting, Dance Studio, Monterey Park, CA -- 11
 2023 -- Jan 23, mass shootings, mushroom farm & trucking facility, Half Moon Bay, CA--7
 2023 -- Mar 27, shooting, The Covenant Church elementary school, Nashville, TN -- 6
 2023 -- Apr 10, workplace mass shooting, Old National Bank, Louisville, KY -- 5
 2023 -- May 6, mass shooting, Allen Premium Outlets Mall, Allen, TX (includes gunman)-- 9
 507. 2023 -- Oct 26, mass shooting, bowling alley (8) and bar & grill (10), Lewiston, ME-- 18

²⁸⁴⁰ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

²⁸⁴¹ Cross-listed in Fire-Wildfires.

²⁸⁴² Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.

VIOLENCE Subset – **ARSON** Manslaughter/Homicide – **By Mortality**

1.	1986 -- Dec 31, arson fire, Dupont Plaza Hotel, San Juan, Puerto Rico ²⁸⁴³	--	97
2.	1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY ²⁸⁴⁴	--	87
3.	1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN ²⁸⁴⁵	--	42
4.	1973 -- June 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA ²⁸⁴⁶	--	32
5.	1970 -- Dec 20, Arson Fire, Pioneer International Hotel, Tucson, AZ ²⁸⁴⁷	--	29
6.	1980 -- Dec 04, Fire, Conference Ctr. at Stouffer's Inn (possibly arson), ²⁸⁴⁸ Harrison, NY--		26
7.	1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ ²⁸⁴⁹	--	25
8.	1976 -- Oct 24, Arson Fire, Puerto Rican Social Club, Bronx, NY	--	25
9.	1982 -- Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA ²⁸⁵⁰	--24-25	
10.	1974 -- June 30, Fire of incendiary origin, Gulliver's Discotheque, Port Chester, NY	--	24
11.	1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL ²⁸⁵¹	--	24
12.	2003 -- Oct 25-Nov 4, Arson Wildfires (esp. Cedar, Old Fire, Paradise), Southern CA ²⁸⁵²	--22-24	
13.	1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA ²⁸⁵³	--	22
14.	1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ ²⁸⁵⁴	--	21
15.	1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA ²⁸⁵⁵	--19-20	
16.	1970 -- Mar 20, Arson Fire, Ozark Hotel ("flophouse"), Seattle, WA ²⁸⁵⁶	--	20
17.	1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ ²⁸⁵⁷	--	16
18.	1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV ²⁸⁵⁸ --		15
19.	1984 -- July 04, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA ²⁸⁵⁹	--	15
20.	1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ ²⁸⁶⁰	--	15
21.	1900 -- July 3, arson fire (alleged), tenement, Adams and First Sts., Hoboken, NJ ²⁸⁶¹	--13-14	
22.	1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK ²⁸⁶²	--	14
23.	1982 -- July 05, Arson Fire, Apartment Building, Waterbury, CT ²⁸⁶³	--	14

²⁸⁴³ Cross-listed in Fire-Structural.

²⁸⁴⁴ Cross-listed in Fire-Structural

²⁸⁴⁵ Cross-listed in Fire-Structural.

²⁸⁴⁶ Cross-listed in Fire-Structural.

²⁸⁴⁷ Cross-listed in Fire-Structural.

²⁸⁴⁸ Cross-listed in Fire-Structural. A waiter was charged with arson and 26 counts of murder and found guilty by jury; however, the presiding judge overturned the verdict citing insufficient evidence. This act was appealed but upheld by State Supreme Court.

²⁸⁴⁹ Ex-mental patient and arsonist arrested and "confessed," but was not indicted. Cross-listed in Fire, Structural.

²⁸⁵⁰ Cross-listed in Fire-Structural.

²⁸⁵¹ Cross-listed in Fire-Structural.

²⁸⁵² Cross-listed in Fires – Forest, Prairie and Wildfires.

²⁸⁵³ Cross-listed in Fire-Structural.

²⁸⁵⁴ Cross-listed in Fire-Structural.

²⁸⁵⁵ Cross-listed in Fire-Structural.

²⁸⁵⁶ Cross-listed in Fire-Structural.

²⁸⁵⁷ Cross-listed in Fire-Structural.

²⁸⁵⁸ Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).

²⁸⁵⁹ Cross-listed in Fire-Structural.

²⁸⁶⁰ Cross-listed in Fire-structural. (originally a hotel, but had become a low-rent apartment building.)

²⁸⁶¹ Cross-listed in Fire-Structural.

²⁸⁶² Cross-listed in Fire-Structural.

²⁸⁶³ Cross-listed in Fire-Structural.

24. 2016 -- Nov 28, Chimney Tops 2 arson wildfire hits Gatlinburg, Sevier County, TN²⁸⁶⁴-- 14

VIOLENCE Subset – **ARSON** Manslaughter/Homicide – **By Mortality** (continued)²⁸⁶⁵

25. 1932 -- June 7, Arson Fire (explosion set?), Ellington Apartments, Cleveland, OH	--	13
26. 1965 -- Dec 11, Arson Fire, Seeley Club (Tavern), Chicago, IL	--	13
27. 1982 -- April 30, Arson Fire, Pinter (residential) Hotel, 14 th Street, Hoboken, NJ	--	13
28. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY	--	12
29. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO	--	12
30. 1969 -- June 08, Arson Fire (Patricide), Bailey Family Home, Parkersburg, WV	--	12
31. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR	--	11-12
32. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA	--	12
33. 2006 -- Oct 31, Arson Fire, Mizpah Hotel, North Lake St., Reno, NV	--	12
34. 1854 -- Apr 25, Arson Fire, Jennings Building (all firemen), Broadway, NY, NY	--	11
35. 1973 -- Sep 29, Arson Fire, Tenement, Eleventh & Willow, Hoboken, NJ	--	11
36. 1981 -- Oct 24, Arson Fire, Apartment Bldg., 12 th and Washington, Hoboken, NJ	--	11
37. 1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL	--	10
38. 1973 -- Jan 29, Arson Fire, Street's Sheltered Care Rest Home, Pleasantville, NJ	--	10
39. 1978 -- Nov 26, fire (probable arson), Holiday Inn Northwest, Ridge Rd., Greece, NY	--	10
40. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH	--	10
41. 1980 -- Oct 28, Arson Fire, Apartment Building (Leonard Kidd), Chicago, IL	--	10
42. 1993 -- May 03, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA	--	10
43. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apartments, Prairie Township, OH	--	10
Other:		
1. 2005 -- May 21, Arson Fire, House during child's birthday sleepover, Cleveland, OH	--	9
2. 1993 -- Feb 27, Arson Fire, Apartment Building, Providence, RI	--	6
3. 1992 -- July 7, Arson Fire set by mother kills six of her children, Baltimore, MD	--	6

²⁸⁶⁴ Cross-listed in Fire-Wildfires.

²⁸⁶⁵ All entries in this subset are listed in the Fire-Structural Master List.

VIOLENCE Subset – **ARSON** Manslaughter/Homicide²⁸⁶⁶– **Chronological**

1. 1854 -- Apr 25, arson fire, Jennings Building (all firemen), Broadway, NY, NY -- 11
2. 1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA --19-20
3. 1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ -- 16
4. 1900 -- July 03, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken, NJ --13-14
5. 1932 -- Jun 07, Arson Fire (explosion set?), Ellington Apartments, Cleveland, OH -- 13
6. 1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL -- 10
7. 1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA -- 22
8. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV²⁸⁶⁷-- 15
9. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ²⁸⁶⁸ -- 25
10. 1965 -- Dec 11, Arson Fire, Seeley Club (Tavern), Chicago, IL -- 13
11. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY -- 12
12. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK -- 14
13. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO -- 12
14. 1969 -- June 08, Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV -- 12
15. 1970 -- Mar 20, Arson Fire, Ozark Hotel (“flopouse”), Seattle, WA -- 20
16. 1970 -- Dec 20, Arson Fire, Pioneer International Hotel, Tucson, AZ -- 29
17. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ -- 10
18. 1973 -- June 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA -- 32
19. 1973 -- Sep 29, Arson Fire, Tenement, Eleventh & Willow, Hoboken, NJ -- 11
20. 1974 -- June 30, Fire of incendiary origin, Gulliver’s Discotheque, Port Chester, NY -- 24
21. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR --11-12
22. 1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL -- 24
23. 1976 -- Oct 24, Arson Fire, Puerto Rican Social Club, Bronx, NY -- 25
24. 1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN -- 42
25. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA -- 12
26. 1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ -- 21
27. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH -- 10
28. 1980 -- Oct 28, Arson Fire, Apartment Building (Leonard Kidd), Chicago, IL -- 10
29. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson),²⁸⁶⁹ Harrison, NY-- 26
30. 1981 -- Oct 24, Arson Fire, Apartment Bldg., 12th and Washington, Hoboken, NJ -- 11
31. 1982 -- Apr 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ -- 13
32. 1982 -- July 05, Arson Fire, Apartment Building, Waterbury, CT -- 14

²⁸⁶⁶ All “Violence-Arson” listings are cross-listed in Fire-structural or Fire-wildfire.

²⁸⁶⁷ Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).

²⁸⁶⁸ Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.

²⁸⁶⁹ Cross-listed in Fire-Structural. A waiter was charged with arson and 26 counts of murder; found guilty by jury; presiding judge overturned verdict citing insufficient evidence; appealed but upheld by State Supreme Court.

- 33. 1982 -- Sep 04, arson fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA --24-25
- 34. 1984 -- July 04, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA -- 15
- 35. 1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ²⁸⁷⁰ -- 15
- 36. 1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico -- 97

VIOLENCE Subset – **ARSON** Manslaughter/Homicide– **Chronological** (continued)

- 37. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY -- 87
- 1992 -- July 7, Arson Fire set by mother kills six of her children, Baltimore, MD -- 6
- 1993 -- Feb 27, Arson Fire & Mass Murder, Apartment Building, Providence, RI -- 6
- 38. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA -- 10
- 39. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
- 2005 -- May 21, Arson Fire, House during child's birthday sleepover, Cleveland, OH -- 9
- 40. 2006 -- Oct 31, Arson Fire, Mizpah Hotel, North Lake St., Reno, NV -- 12
- 41. 2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN -- 14

²⁸⁷⁰ originally a hotel, but had become a low-rent apartment building.

VIOLENCE Subset – **ATTACKS/BATTLES/Skirmishes** --By **MORTALITY**

1. 1540 -- Oct 18, Spanish (de Soto) battle/massacre, with Atahachi, Mabila, AL --2,500-6,000
2. 1941 -- Dec 07, attack by Japanese on Pearl Harbor, HI --2,402
3. 1763-64--Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK--≥375
--175-188 Russian hunters/sailors killed in retaliation for atrocities and trespass
-- >200 Unangan/Aleut killed by Russians in retaliation.
4. 1876 -- June 25, Battle of the Little Bighorn ~Little Bighorn Riv., SE MT Territory--315~363
5. 1712 -- Jan 28, NC/SC militia, Indian allies retaliate against Tuscarora, Craven Co. NC-- 300
6. 1800 -- Feb 01, U.S. frigate *Constellation* engagement with French *La Vengeance*²⁸⁷¹ -- 160
7. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK-- ≤150
8. 1866 -- Sep, Natives attack settlers, train, wagon train, MT, WY -- 150
9. 1877 -- Aug 9-10, Battle of the Big Hole, US Army attacks Nez Perce, Beaverhead Co., MT --91-121
10. 1941 -- Oct 31, USS *Reuben James* sunk by German Submarine, near Iceland²⁸⁷² -- 115

11. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory --~100
12. 1876 -- June 17, Battle of Rosebud Creek, USA/Crow/Shoshoni vs Lakota/Cheyenne, Big Horn Co., MT--29-77
13. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME -- 60
14. 1877 -- Sep 30-Oct 5, Battle of Bear Paw, US Army attack fleeing Nez Perce, NW MT-- 53
15. 1778 -- May 30, violence, Loyalists and Natives attack Cobus Kill Settlement, NY -- ~52
16. 1851 -- Jan 11, Whites attack Natives, Mt. ~No. Fork, San Joaquin Ri., Mariposa Co., CA --23-50
17. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia--41
May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23
May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
May 14, USAF Marine killed in combat with Khmer Rouge, Koh Tang -- 1
May, captured Marines inadvertently left behind, executed, Cambodia -- 3

18. 1616 -- George Yeardley, Dep. Governor of Virginia Colony, attacks Chickahominy --12-40
19. 1840 -- Aug 12, battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX--25-40
20. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf²⁸⁷³ -- 37
21. 1869 -- May 9, skirmish, settlers vs Natives on ~Musselshell River mouth, Montana Terr.--~35
22. 1877 -- June 17, battle, Nez Perce vs. 2 companies 1st Cavalry, White Bird Canyon, ID --US 34
23. 1967 -- June 8, USS *Liberty* attacked by Israeli Air and Naval Craft, near Sinai Penn. -- 34
24. 1969 -- Apr 14, Navy EC-121M shot down by North Korea, Sea of Japan²⁸⁷⁴ -- 31
25. 1918 -- Oct 04, steamer *San Sabo* strikes mine, 15 miles SW of Barnegat, NJ²⁸⁷⁵ -- 30
26. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME --23-24
27. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX --15-23
28. 1851 -- Jun 10, Battle Rock battle, would-be settlers kill natives when attacked, Port Orford, OR--13-23
29. 1779 -- Feb 14, boat theft, hostage-taking attempt, violence, Cpt. James Cook/Hawaiians-- 22
30. 1851 -- June 17, Maj. Kearny, USA Dragoons, attack Natives, Rogue Ri. Valley, OR--~12-22

²⁸⁷¹ Cross-listed in Maritime.

²⁸⁷² Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.

²⁸⁷³ Cross-listed in Maritime.

²⁸⁷⁴ Cross-listed in Aviation.

²⁸⁷⁵ Cross-listed in Maritime.

31. 1856 -- June 2-3 USA Cpt. Augur & Vols. attack Natives, Painted Rock Rogue Ri., OR-- >21
32. 1877 -- July 11-12, Battle of the Clearwater, US Army attacks Nez Perce, Idaho Co., ID-- 21
33. 1541 -- ~Mar 10, Hernando de Soto forces & "Chicasa" battle and "slaughter," MS²⁸⁷⁶-->20?
34. 1643 -- fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT--18-20
35. 1852 -- July 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20

VIOLENCE Subset – **ATTACKS/BATTLES** --By **MORTALITY** (continued):

36. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD²⁸⁷⁷-- 19
37. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM -- 19
38. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR --13-19
39. 1916 -- Mar 09, Pancho Villa Attacks Columbus, NM -- 18
40. 1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR²⁸⁷⁸-- 17
41. 1953 -- July 29, Yokota Air Base, Japan, USAF RB-50, shot down, Sea of Japan²⁸⁷⁹ -- 16
42. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China-- 16
43. 1975 -- May 14, Attack, USS *Mayaguez* Khmer Rouge, Koh Tang Island, Cambodia²⁸⁸⁰-- 16
44. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR --5~15
45. 1598 -- Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM -13
46. 1832 -- July ~12, Battle of Pierre's Hole, fur-trappers, natives on both sides, ID -- 13
47. 1877 -- July 3, Cottonwood Battle, US Army chasing retreating Nez Perce, Cottonwood, ID--13
48. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12
49. 1952 -- Jun 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan-- 12
50. 1968 -- Apr 01, Navy P3B coastal surveillance plane shot down, Gulf of Thailand -- 12
51. 1941 -- Oct 17, USS *Kearny* torpedoed by German submarine, off Iceland -- 11

52. 1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY) -- ~10
53. 1675 -- Sep 02, Settlers killed in Native attack on Northfield, MA -- 8-10
54. 1689 -- Sep 26, Battle, Major Church force and Natives, near Falmouth (Portland), ME -- 10
55. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
56. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR -- ~10
57. 1950 -- Apr 08, USN Privateer patrol bomber shot down by USSR, Baltic Area²⁸⁸¹ -- 10
58. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10

Other: (Fewer than ten fatalities.)

- 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS -- 5-8

²⁸⁷⁶ No estimate is made of the Natives killed; thus we conjecture number "more than 20," as conservative, we think, estimate of number of Natives killed. We know from Duncan's account (*Hernando de Sota*, 1995) that the "Chicasa" attacked with a force of over three hundred about seven days earlier. Duncan, pulling from the accounts of the expedition afterwards, notes that there was a rout and a "pent-up rage" slaughter. It was usual for this particular force to kill all they could kill when in battle. There must have been a Native force again of something in the neighborhood of 300. We suspect that dozens, if not many dozens, were killed.

²⁸⁷⁷ Cross-listed in Violence subsets of "Battles" and "Religious Violence."

²⁸⁷⁸ Cross-listed in Aviation.

²⁸⁷⁹ Cross-listed in Aviation.

²⁸⁸⁰ Cross-listed in Maritime.

²⁸⁸¹ Cross-listed in Aviation.

VIOLENCE Subset – **ATTACKS and/or BATTLES** -- **CHRONOLOGICAL**

1. 1540 -- Oct 18, Spanish (DeSoto) battle with Maubila Natives, Clarke County, AL --6,082
2. 1598 -- Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM -13

3. 1616 -- George Yeardley, Dep. Governor of Virginia Colony, Attacks Chickahominy --12-40
4. 1643 -- fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT--18-20
5. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD²⁸⁸²--19
6. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM -- 19
7. 1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY) -- ~10
8. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12
9. 1675 -- Sep 02, Settlers killed in Native attack on Northfield, MA -- 8-10
10. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME --23-24
11. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME -- 60
12. 1689 -- Sep 26, Battle, Major Church force and Natives, near Falmouth (Portland), ME -- 10

13. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscarora, Craven Co. NC-300
14. 1763-64--Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK-- \geq 375
--175-188 Russian hunters/sailors killed in retaliation for atrocities and trespass
-- >200 Unangan/Aleut killed by Russians in retaliation.
15. 1771 -- May 16, “Regulators” uprising, Battle of Alamance, near Burlington, NC --26~100
16. 1778 -- May 30, Violence, Loyalists and Indians attack Cobus Kill Settlement, NY -- ~52

17. 1800 -- Feb 01, U.S. Frigate *Constellation* engagement with French *La Vengeance* -- 160
18. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK-- \leq 150

19. 1832 -- July ~12, Battle of Pierre’s Hole, fur-trappers, natives on both sides, ID -- 13

20. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX --15-23
21. 1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40

22. 1851 -- Jan 11, Whites attack Natives, Mt. ~No. Fork, San Joaquin Ri., Mariposa Co. CA --23-50
23. 1851 -- Jun 10, Battle Rock battle, would-be settlers kill natives when attacked, Port Orford, OR-13-23
24. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Valley., OR--~12-22
25. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
26. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR --5~15
27. 1852 -- July 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20
28. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR --13-19
29. 1856 -- Jun 2-3 USA Cpt. Augur & Vols. Attack Natives, Painted Rock Rogue Ri., OR-- >21
30. 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS -- 5-8
31. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR -- ~10

32. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory --~100
33. 1866 -- Sep, Indians attack settlers, train, wagon train, MT, WY -- 150
34. 1869 -- May 9, skirmish, settlers vs Natives near Musselshell River mouth, Montana Terr.--~35

²⁸⁸² Cross-listed in Violence subset “Religious Violence.”

- 35. 1876 -- June 17, Battle of Rosebud Creek, USA/Crow/Shoshoni vs Lakota/Cheyenne, Big Horn Co., MT--29-77
- 36. 1876 -- June 25, Battle of the Little Bighorn ~Little Bighorn Riv., SE MT Territory--315--363
- 37. 1877 -- June 17, battle, Nez Perce vs. 2 companies 1st Cavalry, White Bird Canyon, ID--US 34
- 38. 1877 -- July 3, Cottonwood Battle, US Army chasing retreating Nez Perce, Cottonwood, ID--13
- 39. 1877 -- July 11-12, Battle of the Clearwater, US Army attacks Nez Perce, Idaho Co., ID-- 21
- 40. 1877 -- Aug 9-10, Battle of the Big Hole, US Army attacks Nez Perce, Beaverhead Co., MT--91-121
- 41. 1877 -- Sep 30-Oct 5, Battle of Bear Paw, US Army attack fleeing Nez Perce, NW MT-- 53

VIOLENCE Subset – **ATTACKS and/or BATTLES** – **CHRONOLOGICAL** (continued):

- 42. 1916 -- Mar 09, Pancho Villa attacks Columbus, NM -- 18
- 43. 1918 -- Oct 04, steamer *San Sabo* strikes mine, 15 miles SW of Barnegat, NJ²⁸⁸³ -- 30
- 44. 1941 -- Oct 17, USS *Kearny* torpedoed by German submarine, off Iceland²⁸⁸⁴ -- 11
- 45. 1941 -- Oct 31, USS *Reuben James* sunk by German Submarine, near Iceland²⁸⁸⁵ -- 115
- 46. 1941 -- Dec 07, attack by Japanese on Pearl Harbor, HI --2,402
- 47. 1950 -- Apr 08, USN Privateer patrol bomber shot down by USSR, Baltic Area²⁸⁸⁶ -- 10
- 48. 1951 -- Nov 06, USN P2V-3W Neptune shot down by Soviet planes, Sea of Japan --all 10
- 49. 1952 -- June 13, USAF RB-29 intel plane out of Yokota Air Base, Japan, shot down, Sea of Japan-- 12
- 50. 1953 -- July 29, Yokota Air Base, Japan, USAF RB-50, shot down, Sea of Japan²⁸⁸⁷ -- 16
- 51. 1956 -- Aug 22, US Navy P4M-1Q from Iwakuni NAS, Japan, shot down 32M off Wenchow, China--16
- 52. 1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR²⁸⁸⁸-- 17
- 53. 1967 -- June 8, USS *Liberty* attacked by Israeli Air and Naval craft, near Sinai Penn. -- 34
- 54. 1968 -- Apr 01, Navy P3B coastal surveillance plane Shot down, Gulf of Thailand²⁸⁸⁹ -- 12
- 55. 1969 -- Apr 14, Navy EC-121M Shot Down by North Korea, Sea of Japan²⁸⁹⁰ -- 31
- 56. 1975 -- May 13-14, US freighter *Mayaguez* rescue mission, Koh Tang Island, Cambodia-- 41
 - May 13, USAF helicopter crash, *Mayaguez* support mission, Thailand --23
 - May 14, USAF helicopter crash (*Knife 21*), Koh Tang Island, Cambodia -- 1
 - May 14, USAF helicopter crash (*Knife 31*), Koh Tang Island, Cambodia --13
 - May 14, USAF Marine killed in combat with Khmer Rouge, Koh Tang -- 1
 - May, captured Marines inadvertently left behind, executed, Cambodia -- 3
- 57. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf²⁸⁹¹ -- 37

²⁸⁸³ Cross-listed in Maritime.

²⁸⁸⁴ Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.

²⁸⁸⁵ Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.

²⁸⁸⁶ Cross-listed in Aviation.

²⁸⁸⁷ Cross-listed in Aviation.

²⁸⁸⁸ Cross-listed in Aviation.

²⁸⁸⁹ Cross-listed in Aviation.

²⁸⁹⁰ Cross-listed in Aviation.

²⁸⁹¹ Cross-listed in Maritime.

VIOLENCE Subset – **BOMBS/BOMBINGS** – Deadliest American --By **MORTALITY**

1.	1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland ²⁸⁹²	--(189 U.S.)	270
2.	1995 -- Apr 19, Oklahoma City bombing, Alfred P. Murrah Federal Building, OK ²⁸⁹³	--	168
3.	1927 -- May 18, dynamite bombing, Bath Township Consolidated School, MI ²⁸⁹⁴	--	46
4.	1962 -- May 22, Continental Flight 11 blown-up over Unionville, MO ²⁸⁹⁵	--	45
5.	1955 -- Nov 01, United 629 blown-up (relative of passenger bomb), Longmont, CO	--	44
6.	1959 -- Nov 16, National Air Flight 967 crashes, suspected bomb, Gulf of Mexico ²⁸⁹⁶	--	42
7.	1920 -- Sep 16, anarchist bombing / Wall Street terrorist attack, NY ²⁸⁹⁷	--	30-38
8.	1960 -- Jan 06, National Air Flight 2511 blown-up, Bolivia, NC ²⁸⁹⁸	--	34
9.	1904 -- June 06-08, labor violence, bombing/shooting, Cripple Creek, Teller Co., CO ²⁸⁹⁹	--	21
10.	1910 -- Oct 01, labor violence/Trade Unionist bombing, <i>LA Times</i> , Los Angeles, CA ²⁹⁰⁰	--	21
11.	1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea	--US 20 of 88	
12.	2000 -- Oct 12, suicide terrorism, USS <i>Cole</i> bombed, Port of Aden, Yemen ²⁹⁰¹	--	17
13.	1901 -- July 04, strike riot, dynamite explosion, Smuggler Mine, Telluride, CO ²⁹⁰²	--	15
14.	1886 -- May 3-4, Labor Haymarket Affair/bombing/riot/massacre, Chicago, IL ²⁹⁰³	--	11
15.	1975 -- Dec 29, LaGuardia Airport bomb explosion, TWA baggage area, Brooklyn, NY	--	11
16.	1985 -- May 13, gov. force, Philly police bomb MOVE group, row house fire, PA ²⁹⁰⁴	--	11
17.	1916 -- July 22, Preparedness Day Parade bombing, San Francisco CA ²⁹⁰⁵	--	10
18.	1917 -- Nov 24, bomb explosion, Central Police Station, Milwaukee, WI ²⁹⁰⁶	--	10

Other:

	1967 -- Jan 06, suicide and homicide bomb explosion, Orbit Inn Motel, Las Vegas, NV	--	6
	1980 -- Sep 20, ex-wife & family killed by ex-husband's booby-trap bomb, Olathe, KS	--	6
	1993 -- Feb 26, World Trade Center terrorism bombing, NY, NY ²⁹⁰⁷	--	6
	1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV	--	5
	1918 -- Sep 04, bomb explosion/terrorism, Federal Building, Chicago, IL	--	4
	1963 -- Sep 15, KKK members bomb 16 th Street Baptist Church, Birmingham, AL	--	4
	1974 -- Aug 06, Los Angeles Int. Airport bomb, near Pan Am overseas check-in, CA	--	3
	1978-1995 -- Unabomber bombs, terrorism	--	3

²⁸⁹² Sub-listed in Terrorism and cross-listed in Aviation.

²⁸⁹³ Cross-listed in Violence – Mass Murder, and in Violence -- Terrorism.

²⁸⁹⁴ Kehoe's bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster's father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of "lingering injuries." Cross-listed in Violence subset School Shootings/Bombings.

²⁸⁹⁵ Cross-listed under Aviation and Violence-Mass Murder.

²⁸⁹⁶ Cross-listed in Aviation. Presumed bomb explosion thought to be for collection of insurance.

²⁸⁹⁷ Cross-listed in Violence Mass Murder and in Violence-Terrorism.

²⁸⁹⁸ Cross-listed under Aviation and Violence-Mass Murder.

²⁸⁹⁹ Cross-listed under Violence, Labor.

²⁹⁰⁰ Cross-listed in Violence-Labor Subset and in Violence-Mass Murder.

²⁹⁰¹ Cross-listed in Violence-Terrorism.

²⁹⁰² Cross-listed in Violence-Labor Subset.

²⁹⁰³ Cross-listed in Violence-Labor Subset.

²⁹⁰⁴ Cross-listed under Fire-Structural and Violence, Governmental Use of Force

²⁹⁰⁵ Cross-listed under Violence-Mass Murder.

²⁹⁰⁶ Cross-listed in Violence-Terrorism.

²⁹⁰⁷ Cross-listed in Violence-Terrorism.

1977 -- Aug 03, terrorism, Puerto Rican F.A.L.N bombings/2 bldgs., Manhattan, NY	--	1
1998 -- Jan 29, abortion clinic bombing, (Eric Rudolph), Birmingham, AL	--	1

VIOLENCE Subset – **BOMBS/BOMBINGS** – Deadliest American -- **CHRONOLOGICAL**

1. 1886 -- May 3-4, labor Haymarket Affair/bombing/riot/massacre, Chicago, IL -- 11
2. 1901 -- July 04, strike riot, dynamite explosion, Smuggler Mine, Telluride, CO -- 15
3. 1904 -- Jun 06-08, labor violence, bombing/shooting, Cripple Creek, Teller Co., CO -- 21
4. 1910 -- Oct 1, labor violence/Trade Unionist bombing, *LA Times*, Los Angeles, CA²⁹⁰⁸-- 21
5. 1916 -- July 22, mass murder, Preparedness Day Parade bombing, San Francisco, CA -- 10
6. 1917 -- Nov 24, bomb explosion, Central Police Station, Milwaukee, WI -- 10
- 1918 -- Sep 04, bomb explosion, Federal Building, Chicago, IL -- 4
7. 1920 -- Sep 16, anarchist bombing mass murder, Wall St. terrorist attack, NY²⁹⁰⁹ --30-38
8. 1927 -- May 18, dynamite bombing, Bath Township Consolidated School, MI²⁹¹⁰ -- 46
9. 1955 -- Nov 01, United 629 blown-up (relative of passenger bomb), Longmont, CO -- 44
10. 1959 -- Nov 16, National Air Flight 967 crashes, suspected bomb, Gulf of Mexico²⁹¹¹ -- 42
11. 1960 -- Jan 06, mass murder, National Air Flight 2511 blown-up, Bolivia, NC -- 34
12. 1962 -- May 22, mass murder, Continental Flight 11 blown-up over Unionville, MO -- 45
- 1963 -- Sep 15, KKK members bomb 16th Street Baptist Church, Birmingham, AL -- 4
- 1967 -- Jan 06, suicide and homicide bomb explosion, Orbit Inn Motel, Las Vegas, NV-- 6
- 1974 -- Aug 06, Los Angeles Int. Airport bomb, near Pan Am overseas check-in, CA -- 3
13. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88
14. 1975 -- Dec 29, LaGuardia Airport bomb explosion, TWA baggage area, Brooklyn, NY-- 11
- 1976 -- Mar 02, suicidal dynamite explosion, Mason County Jail, Point Pleasant, WV -- 5
- 1977 -- Aug 03, terrorism, Puerto Rican F.A.L.N bombings/2 bldgs., Manhattan, NY -- 1
- 1978-1995 -- Unabomber bombs, terrorism -- 3
- 1980 -- Sep 20, ex-wife & family killed by ex-husband's booby-trap bomb, Olathe, KS-- 6
15. 1985 -- May 13, gov. use of force, Philly Police bomb MOVE Group, row house fire, PA--11
16. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland--²⁹¹² --(189 U.S.) 270
- 1993 -- Feb 26, World Trade Center terrorism bombing, NY, NY -- 6
17. 1995 -- Apr 19, Oklahoma City bombing, Alfred P. Murrah Federal Building, OK²⁹¹³ -- 168
- 1998 -- Jan 29, abortion clinic bombing, (Eric Rudolph), Birmingham, AL -- 1

²⁹⁰⁸ Cross-listed in Violence-Labor Subset and in Violence-Mass Murder.

²⁹⁰⁹ Cross-listed in Violence Mass Murder and in Violence-Terrorism.

²⁹¹⁰ Kehoe's bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster's father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of "lingering injuries." Cross-listed in Violence subset School Shootings/Bombings.

²⁹¹¹ Cross-listed in Aviation. Presumed bomb explosion thought to be for collection of insurance.

²⁹¹² Sub-listed in Terrorism and cross-listed in Aviation.

²⁹¹³ Cross-listed in Violence – Mass Murder, and in Violence -- Terrorism.

18. 2000 -- Oct 12, suicide terrorism, USS *Cole* bombed, Port of Aden, Yemen

-- 17

VIOLENCE – CIVIL WAR ATROCITIES and/or WAR CRIMES Subset – By Mortality

1. 1864 -- July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA -- ~500
2. 1864 -- Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC-300-400
3. 1864 -- Apr 12/13, massacre, Confederates kill captives, esp. Black, Fort Pillow, TN -- ~300
4. 1863 -- Aug 21, Atrocity/War Crime, Quantrell's Raiders attack Lawrence, KS -- 191
5. 1864 -- Apr 25, Rebels murder runaway slaves with Union force, Marks' Mills, AR>100-150
6. 1864 -- Feb 20, Atrocity, Confederates kill wounded black U.S. soldiers, Olustee, FL --25-75
7. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70
8. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK-- ≤40
9. 1862 -- Aug 10, Rebel cav. attacks fleeing Germans, Nueces River, Kenney Co., TX²⁹¹⁴-9-28
10. 1865--Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY²⁹¹⁵19-28
11. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO²⁹¹⁶--22-27
12. 1863 -- Aug 04, Massacre, Confederates kill captured Union black soldiers, Jackson, LA-- 23
13. 1864 -- Apr 30, Captured and/or wounded soldiers killed, Battle of Jenkins' Ferry, AR -->20
14. 1864 -- June 10, Confederates kill captured black soldiers, Battle of Brice's Cross Roads, MS-- >20
15. 1863 -- ~Jan 18, Shelton Laurel Massacre, Rebels murder Unionists, Madison Co., NC-- 13
16. 1862 -- Oct 18, Unionist disappears, Union Col. executes Rebel prisoners, Palmyra, MO-- 10
17. 1864 -- Apr 18, Rebels & Choctaws kill wounded & captured blacks, Poison Spring, AR->10
18. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~ Berryville, VA-- ≥10

19. 1861 -- Sep 23, Free-state Unionist Jayhawker guerrillas sack and burn Osceola, MO -- 9

²⁹¹⁴ The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

²⁹¹⁵ A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without disagreement.

²⁹¹⁶ Cross-listed in Violence-Mass Murder. "Several" or "some" of the fatalities, which we translate as "3" were Centralia residents, not train passengers. Range for train killed from 22-25, mostly unarmed Union soldiers.

VIOLENCE – CIVIL WAR ATROCITIES and/or WAR CRIMES -- Chronological

1. 1861 -- Sep 23, Free-state Unionist Jayhawker guerrillas sack and burn Osceola, MO -- 9
2. 1862 -- Aug 10, Rebel cav. attacks fleeing Germans, Nueces River, Kenney Co., TX²⁹¹⁷-9-28
3. 1862 -- Oct 18, Unionist disappears, Union Col. executes Rebel prisoners, Palmyra, MO-- 10
4. 1863 -- ~Jan 18, Shelton Laurel Massacre, Rebels murder Unionists, Madison Co., NC-- 13
5. 1863 -- Aug 04, massacre, Confederates kill captured Union black soldiers, Jackson, LA-- 23
6. 1863 -- Aug 21, atrocity/war Crime, Quantrell's Raiders attack Lawrence, KS -- 191
7. 1864 -- Feb 20, Atrocity, Confederates kill wounded black U.S. soldiers, Olustee, FL --25-75
8. 1864 -- Apr 12/13, Massacre, Confederates kill captives, esp. Black, Fort Pillow, TN -- ~300
9. 1864 -- Apr 18, Rebels & Choctaws kill wounded & captured blacks, Poison Spring, AR->10
10. 1864 -- Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC-300-400
11. 1864 -- Apr 25, Rebels murder runaway slaves with Union force, Marks' Mills, AR>100-150
12. 1864 -- Apr 30, Captured and/or wounded soldiers killed, Battle of Jenkins' Ferry, AR -->20
13. 1864 -- June 10, Confederates kill captured black soldiers, Battle of Brice's Cross Roads, MS-- >20
14. 1864 -- July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA-- ~500
15. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~Berryville, VA-- ≥10
16. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK-- ≤40
17. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO²⁹¹⁸--22-27
18. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70
19. 1865--Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY²⁹¹⁹19-28

²⁹¹⁷ The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

²⁹¹⁸ Cross-listed in Violence-Mass Murder. "Several" or "some" of the fatalities, which we translate as "3" were Centralia residents, not train passengers. The range for train killed is 22-25, mostly unarmed Union soldiers.

²⁹¹⁹ A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without disagreement.

VIOLENCE Subset -- **CRUSHING/Trampling/Stampede/Suffocation**²⁹²⁰ -- **By Mortality**

1. 1903 -- Dec 30, trampling and suffocation, Iroquois Theater fire, Chicago, IL²⁹²¹ -- 602
2. 1942 -- Nov 28, fire/trampling/suffocation, Cocanut Grove Nightclub, Boston, MA²⁹²²--498
3. 1876 -- Dec 05, fire, trampling and suffocation, Conway Theater, Brooklyn, NY²⁹²³--284-300
4. 1940 -- Apr 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
5. 1908 -- Mar 04, fire, trampling & suffocation, Lakeview Sch., Collinwood, OH²⁹²⁴ --172-178
6. 1908 -- Jan 13, fire and trampling, Rhoads Opera House, Boyertown, PA²⁹²⁵ --169-175
7. 1902 -- Sep 20, fire panic and stampede, Shiloh Baptist Church, Birmingham, AL -- 115
8. 2003 -- Feb 20, fire, trampling, Station Nightclub, West Warwick, RI²⁹²⁶ -- 100
9. 1913 -- Dec 24, crushing and trampling, Italian Hall Disaster, Calumet, MI --73-75
10. 1919 -- Nov 22, stove explosion/fire/crushing, dance hall/store, Ville Platte, LA²⁹²⁷ --25-28
11. 1895 -- Dec 27, fire panic, trampling, Front Street Theater, Baltimore, MD -- 27
12. 1911 -- Aug 26, trampling and suffocation, Opera House, Canonsburg, PA -- 26
13. 1915 -- Oct 28, fire and trampling deaths, St. John's Parochial School, Peabody, MA²⁹²⁸-- 21
14. 2003 -- Feb 17, stampede/crushing/asphyxiation, E2/Epitome Night Club, Chicago, IL -- 21
15. 1876 -- Oct 30, fire scare/trampling, Chinese Royal Theatre, Jackson St. SF, CA --19-20
16. 1906 -- Jan 21, fire, trampling, St. Paul's Baptist Church, Philadelphia, PA -- 18
17. 1883 -- May 30, crushing and trampling deaths, Brooklyn Bridge, NY, NY -- 12
18. 1889 -- Dec 10, fire scare and trampling, Parke Theater/Opera House, Johnstown, PA -- 12
19. 1871 -- Nov 5, violence-trampling, African Baptist Meeting-house, Louisville, KY -- 11
20. 1905 -- Feb 27, floor collapse/fire scare/trampling, Church Service, Brooklyn NY²⁹²⁹ -- 11
21. 1979 -- Dec 03, WHO concert crushing/trampling, Riverfront Colsm., Cincinnati OH -- 11
22. 1902 -- Apr 30, false-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA -- 8-10
23. 2021 -- Nov 05, crushing/trampling, Travis Scott Astroworld festival concert, Houston TX-- 10

Other:

- 1991 -- Dec 28, trampling/crushing, Nat Holman Gym basketball game, City College, NY-- 9

²⁹²⁰ An admittedly arbitrary listing under Violence – seems like a violent way to die to the author.

²⁹²¹ Cross-listed in Fire-Structural

²⁹²² Cross-listed in Fire-Structural.

²⁹²³ Cross-listed under Fire-Structural

²⁹²⁴ Cross-listed under Fire-Structural

²⁹²⁵ Cross-listed under Fire-Structural

²⁹²⁶ Cross-listed under Fire-Structural

²⁹²⁷ Cross-listed in Explosions and in Fires/Structural – about half the fatalities were due to crushing.

²⁹²⁸ Cross-listed in Fire-Structural. Most of the girls died at the door block.

²⁹²⁹ Cross-listed under Structural Failures

VIOLENCE Subset -- **CRUSHING/Tramplng/Stampede/Suffocation**²⁹³⁰ -- **Chronological**

1. 1871 -- Nov 5, tramplng, African Baptist Meeting-house, Louisville, KY -- 11
2. 1876 -- Oct 30, fire scare/tramplng, Chinese Royal Theatre, Jackson St. SF, CA --19-20
3. 1876 -- Dec 05, Fire, Tramplng, Suffocation, Conway Theater, Brooklyn, NY²⁹³¹ --284-300

4. 1883 -- May 30, Crushing/Tramplng, Brooklyn Bridge, NY, NY -- 12
5. 1889 -- Dec 10, Fire Scare, Tramplng, Parke Theater/Opera House, Johnstown, PA -- 12

6. 1895 -- Dec 27, Fire Panic, Tramplng, Front St. Theater, Baltimore, MD -- 27

7. 1902 -- Apr 30, False-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA -- 8-10
8. 1902 -- Sep 20, Panic/Stampede, Shiloh Baptist Church Birmingham, AL -- 115
9. 1903 -- Dec 30, Tramplng, Suffocation, Iroquois Theater Fire, Chicago, IL²⁹³² -- 602
10. 1905 -- Feb 27, Floor Collapse/Fire Scare/Tramplng, Church Service, Brooklyn NY²⁹³³-- 11
11. 1906 -- Jan 21, Fire, Tramplng, St. Paul's Baptist Church, Philadelphia, PA -- 18
12. 1908 -- Jan 13, Fire and Tramplng, Rhoads Opera House, Boyertown, PA²⁹³⁴ --169-175
13. 1908 -- Mar 04, Fire/Tramplng/Suffocation, Lakeview Sch., Collinwood, OH²⁹³⁵ --172-178

14. 1911 -- Aug 26, Tramplng/Suffocation, Opera House, Canonsburg, PA -- 26
15. 1913 -- Dec 24, Crushing/Tramplng Italian Hall Disaster, Calumet, MI --73-75
16. 1915 -- Oct 28, Fire, Tramplng, St. John's Parochial School, Peabody, MA²⁹³⁶ -- 21
17. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA²⁹³⁷ --25-28

18. 1940 -- April 23, Rhythm Night Club fire/suffocation/tramplng, Natchez, MS -- 209
19. 1942 -- Nov 28, Fire/tramplng/suffocation, Cocanut Grove Nightclub, Boston, MA²⁹³⁸--498
20. 1979 -- Dec 3, WHO Concert Crushing/Tramplng, Riverfront Colsm., Cincinnati OH-- 11

- 1991 -- Dec 28, Tramplng/crushing, Nat Holman Gym basketball game, City College, NY-9

21. 2003 -- Feb 17, Stampede/Crushing/Asphyxiation, E2/Epitome Night Club, Chicago, IL-- 21
22. 2003 -- Feb 20, Fire, Tramplng, Station Nightclub, West Warwick, RI²⁹³⁹ -- 100

23. 2021 -- Nov 5, crushing/tramplng, Travis Scott Astroworld festival concert, Houston TX--10

²⁹³⁰ An admittedly arbitrary listing under Violence – seems like a violent way to die to the author.

²⁹³¹ Cross-listed under Fire-Structural

²⁹³² Cross-listed in Fire-Structural

²⁹³³ Cross-listed under Structural Failures

²⁹³⁴ Cross-listed under Fire-Structural

²⁹³⁵ Cross-listed under Fire-Structural

²⁹³⁶ Cross-listed in Fire-Structural. Most of the girls died at the door block.

²⁹³⁷ Cross-listed in Explosions and in Fires/Structural – about half the fatalities were due to crushing.

²⁹³⁸ Cross-listed in Fire-Structural.

²⁹³⁹ Cross-listed under Fire-Structural

VIOLENCE Subset -- **DEHYDRATION** -- **By Mortality**

1. 2022 -- June 27, tractor trailer found with dead/dying migrants inside, San Antonio TX--53
2. 1980 -- July 5-6, smugglers abandon immigrants, dehydration, Organ Pipe Cactus Nat. Mon., AZ²⁹⁴⁰--13

²⁹⁴⁰ Cross-listed in Violence in that smugglers deliberately abandoned these immigrants (men, women, children), after stealing their possessions (as well as an 18-month-old baby), and did not disclose that safety could be sought by going to a highway just three miles away.

VIOLENCE Subset – **FORCED MARCHES/Relocations, Trails of Tears** – **By Mortality**

1. 1838 -- May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK²⁹⁴¹ ~4,000
2. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA~32

VIOLENCE Subset – **Forced Marches/Relocations, Trails of Tears** – **Chronological**

1. 1838 -- May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK²⁹⁴² ~4,000
2. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA~32

²⁹⁴¹ Also referred to as Cherokee Trail of Tears as well as a “forced-march” relocation. Geographic area of coverage comes from sources in Narrative document and map in Thornton (1990) from Morris, Goins and McReynolds ([1965] 1986:20), entitled “The Trail of Tears.” Shows two Cherokee relocation routes from area encompassing north/northwest GA, southwest NC, southeast TN and northeast AL. One route is northwest through TN into KY, westward to southern IL, then down into southeastern MO, into northern Ark. and then westward into OK. Second route was westward through TN and AR to OK.

²⁹⁴² Also referred to as Cherokee Trail of Tears as well as a “forced-march” relocation. Geographic area of coverage comes from sources in Narrative document and map in Thornton (1990) from Morris, Goins and McReynolds ([1965] 1986:20), entitled “The Trail of Tears.” Shows two Cherokee relocation routes from area encompassing north/northwest GA, southwest NC, southeast TN and northeast AL. One route is northwest through TN into KY, westward to southern IL, then down into southeastern MO, into northern Ark. and then westward into OK. Second route was westward through TN and AR to OK.

VIOLENCE Subset -- **GOVERNMENTAL USE of FORCE** -- **By MORTALITY**

1. 1993 -- Apr 19, FBI/ATF attack Branch Davidian Compound/fire near Waco, TX²⁹⁴³ -- 75
2. 1866 -- May 01-3, racial riots, Irish police lead riots against blacks, Memphis, TN²⁹⁴⁴ --46-48
3. 1967 -- July 23-26, Detroit racial riots and excessive use of Governmental force, MI²⁹⁴⁵-- 43
4. 1971 -- Sep 09-13, Attica Prison riot and government re-taking of prison, Attica, NY²⁹⁴⁶-- 39
5. 1849 -- May 10, Astor Place Opera House riot & government response, NYC --16-30
6. 1861 -- May 10, Camp Jackson Affair, Union German unit kills civilians, St Louis, MO-->28
7. 1914 -- Apr 20, gov. force, Ludlow Massacre (CO NG attacks mining strikers)²⁹⁴⁷ --18-25
8. 1897 -- Sep 10, Lattimer Massacre, deputies shoot striking miners, Lattimer, PA²⁹⁴⁸ -- 19
9. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19
10. 1967 -- July 12-17 (esp. 13th), police violence and racial rioting, Newark, NJ²⁹⁴⁹ -- ~19

11. 1943 -- June 20-22, Detroit racial riots, MI (subset of 34 dead) police killed only blacks-- 17
12. 1888 -- Dec 08, Hawes lynch mob fired on, Jefferson County Jail, Birmingham, AL --10-15
13. 1985 -- May 13, gov. force, Philly Police bomb MOVE group, row house fire, PA²⁹⁵⁰ -- 11
14. 1937 -- May 30, unarmed striking steel workers shot by police, Chicago, IL²⁹⁵¹ -- 10

Other:

1. 1919 -- Sep 09-11, Boston Police strike, martial law, U.S. Cavalry charge, MA²⁹⁵² -- 5-9
2. 1886 -- May 05, strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI²⁹⁵³-- 7
3. 1916 -- Nov 05, labor violence, IWW workers/local law enforcement, Everett, WA²⁹⁵⁴-- 7
4. 1886 -- Apr 09, Governmental Violence, Labor Riot, East St. Louis, IL -- 6
5. 1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO²⁹⁵⁵--6
6. 1970 -- May 04, Kent State demonstration and OH National Guard shootings, OH -- 4
7. 1992 -- Aug 21-22, violence, govmt. use of force, U.S. Marshals/FBI, Ruby Ridge, ID-- 3
8. 1932 -- July 28, US Military moves on "Bonus Expeditionary Force" vets, DC -- 2

²⁹⁴³ In addition, on Feb 28, 1993 10 died (4 ATF and 6 Davidians) when a force of about 100 ATF agents attempted to serve David Koresh at the Davidian compound near Waco.

²⁹⁴⁴ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Racial Violence.

²⁹⁴⁵ According to Hofstadter, "The police killed twenty or twenty-one, the National Guard perhaps as many as nine, and the rioters two or three."

²⁹⁴⁶ Cross-listed in Prison Riots.

²⁹⁴⁷ Cross-listed in Violence-Labor-Related.

²⁹⁴⁸ Cross-listed in Violence Subset Labor-Related Violence

²⁹⁴⁹ Of the 25-26 deaths, 23 were from gunshots, approximately 19 of those by local and State Police and State National Guard. Cross-listed in Racial Violence.

²⁹⁵⁰ Cross-listed in Fire-Structural and Violence, Bombings.

²⁹⁵¹ Cross-listed in Violence sub-section Labor-Related.

²⁹⁵² Cross-listed in Violence/Labor-Related. The difference in numbers has to do with different estimates of those killed by government forces alone.

²⁹⁵³ Cross-listed in Violence subset Labor-Related.

²⁹⁵⁴ Cross-listed in Violence subset Labor-Related.

²⁹⁵⁵ Cross-listed in Labor Violence.

VIOLENCE Subset -- **GOVERNMENTAL USE of FORCE** – **CHRONOLOGICAL**

1. 1849 -- May 10, Astor Place Opera House riot and government response, NYC --16-30
2. 1861 -- May 10, Camp Jackson Affair, Union German unit kills civilians, St Louis, MO--≥28
3. 1866 -- May 01-3, racial riots, Irish police lead riots against blacks, Memphis, TN²⁹⁵⁶ --46-48

1886 -- Apr 09, governmental violence, labor riot, East St. Louis, IL -- 6
1886 -- May 05, strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI²⁹⁵⁷-- 7
4. 1888 -- Dec 08, Hawes lynch mob fired on, Jefferson County Jail, Birmingham, AL --10-15
5. 1897 -- Sep 10, Lattimer Massacre, deputies shoot striking miners, Lattimer, PA²⁹⁵⁸ -- 19

6. 1914 -- Apr 20, gov. force, Ludlow Massacre (CO NG attacks striking miners)²⁹⁵⁹ --18-25
1916 -- Nov 05, labor violence, IWW workers/local law enforcement, Everett, WA²⁹⁶⁰-- 7
1919 -- Sep 9-11, Boston Police strike, martial law, U.S. Cavalry charge, MA²⁹⁶¹ -- 5-9

1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO²⁹⁶²-6

1932 -- July 28, US military moves against “Bonus Expeditionary Force” vets, DC -- 2
7. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19
8. 1937 -- May 30, unarmed striking steel workers shot by police, Chicago, IL²⁹⁶³ -- 10

9. 1943 -- June 20-22, Detroit racial riots, MI (subset of 34 dead) police killed only blacks-- 17
10. 1967 -- July 12-17 (esp. 13th), police violence and racial rioting, Newark, NJ²⁹⁶⁴ -- ~19
11. 1967 -- July 23-26, Detroit racial riots and excessive use of Governmental force, MI²⁹⁶⁵-- 43

1970 -- May 04, Kent State demonstration and OH National Guard shootings, OH -- 4
12. 1971 -- Sep 09-13, Attica prison riot / government re-taking of prison, Attica, NY -- 39
13. 1985 -- May 13, gov. force, Philly Police bomb MOVE group, row house fire, PA²⁹⁶⁶ -- 11

1992 -- Aug 21-22, violence, gov. use of force, U.S. Marshals/FBI, Ruby Ridge, ID -- 3
14. 1993 -- Apr 19, FBI/ATF attack Branch Davidian compound/fire, near Waco, TX -- 75

²⁹⁵⁶ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Racial Violence.

²⁹⁵⁷ Cross-listed in Violence subset Labor-Related.

²⁹⁵⁸ Listed as well under the Violence Subset Labor-Related Violence.

²⁹⁵⁹ Cross-listed under Violence-Labor-Related.

²⁹⁶⁰ Cross-listed in Violence subset Labor-Related.

²⁹⁶¹ Cross-listed in Violence/Labor-Related. The difference in numbers has to do with different estimates of those killed by government forces alone.

²⁹⁶² Cross-listed in Labor Violence.

²⁹⁶³ Cross-listed in Violence sub-section Labor-Related.

²⁹⁶⁴ Of the 25-26 deaths, 23 were from gunshots, approximately 19 of those by local and State Police and State National Guard. Cross-listed in Racial Violence.

²⁹⁶⁵ This is a subset of 43 riot-related deaths. According to Hofstadter, “The police killed twenty or twenty-one, the National Guard perhaps as many as nine, and the rioters two or three.”

²⁹⁶⁶ Cross-listed in Fire-Structural.

VIOLENCE Subset -- **LABOR-Related** Clashes, Incidents, Riots -- **By Mortality**

1. 1877 -- July 17-27, Great Railroad Strike, workers vs. police/military, esp. WV/MD/IL/PA/NY/OH--100-137
2. 1887 -- Nov 23-25, violence, racial/labor, striking sugarcane workers, Thibodaux, LA²⁹⁶⁷ --30->50
3. 1921 -- Aug 27-Sep 3, Battle of Blair Mt., Miners vs. Operators, Logan Co., WV --16->50
4. 1885 -- Sep 2, Labor/Racial Violence/Massacre, Chinese Miners, Rock Springs WY²⁹⁶⁸-- 28
5. 1914 -- Apr 20, Ludlow Massacre (CO NG Attacks Striking Miners) Ludlow, CO²⁹⁶⁹ --18-25
6. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL²⁹⁷⁰ -- 23
7. 1904 -- Jun 6-8, Labor Violence, Bombing/Shooting, Cripple Creek, Teller County CO-- 21
8. 1905 -- Apr 6-Jul 19, Labor Violence, Teamsters' Strike and Riots, Chicago, IL -- 21
9. 1910 -- Oct 1, Labor Violence/Trade Unionist Bombing, *LA Times*, Los Angeles, CA²⁹⁷¹-- 21
10. 1922 -- Jul 17, Striking Miners attack Saledka Mine, Sheriffs men, Cliftonville, WV -- 9-21
11. 1921 -- May 12-15, Battle of the Tug, coal mine labor conflict, Mingo County, WV -- 6-20
12. 1867 -- Apr 18, Labor Riot, Silver Bend Mining Co., Belmont, NV -- 20
13. 1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN²⁹⁷² -- 20
14. 1924 -- Sep 9, Labor Violence, Filipino Strikers/Sheriffs Clash, Hanapepe, Kauai, HI -- 20
15. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA²⁹⁷³ -- 19
16. 1913 -- Feb 10, Labor Vio., Miners & Guards Clash, ~Mucklow, Kanawha County, WV-- 16
17. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO²⁹⁷⁴ -- 15
18. 1898 -- Oct 12, Labor Violence, coal miners and mine guards shootout, Virden, IL --12-13
19. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL²⁹⁷⁵ -- 11
20. 1891 -- Apr 2, Violence, Deputies Kill Strikers, Morewood Mine, Morewood, PA -- 11
21. 1892 -- July 06, Violence, Strikers & Pinkertons, Carnegie Steel, Homestead, PA -- 11
22. 1920 -- May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV --10-11
23. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL²⁹⁷⁶ -- 10

OTHER:

- 1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA²⁹⁷⁷ -- 5-9
1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI²⁹⁷⁸-- 7

²⁹⁶⁷ There were unconfirmed reports of up to 300 fatalities. Cross-listed in Violence – Racial/Ethnic.

²⁹⁶⁸ Cross-listed in Violence-Racial Subset.

²⁹⁶⁹ Cross-listed in Violence subset, Governmental Use of Force.

²⁹⁷⁰ Two striking union-miners were killed by mine guards on June 21 upon attack by large group of striking miners and one other died of wounds on July 13. 19-20 non-union miners and mine guards were murdered on June 22 by union miners. (The coroner's records turned over to the grand jury indicated 20 nonunion men, while the records of the undertakers who buried them indicated 19 burials – 19 was the number used in great majority of accounts.) On Oct. 2 Ignus Kubins, a hospitalized nonunion miner died of his wounds. Thus, there were 23 certain fatalities, and possibly more. There were reports of missing men, of men tossed into a pond or drowned in a river while attempting to escape, and of men burned and consumed in the burning of railroad cars at the strip mine, thus the possibility exists of one or more additional deaths. Cross-listed in Violence-Mass Murder.

²⁹⁷¹ Cross-listed in Violence-Labor Subset and in Violence-Mass Murder.

²⁹⁷² Cross-listed in Violence-Racial Subset.

²⁹⁷³ Listed as well under Violence Subset Labor-Related

²⁹⁷⁴ Cross-listed in Violence-Bombing Subset.

²⁹⁷⁵ Cross-listed in Violence-Bombing Subset.

²⁹⁷⁶ Cross-listed in Violence sub-section Governmental Use of Force.

²⁹⁷⁷ Cross-listed in Violence/Labor-Related. The difference in numbers has to do with different estimates of those killed by government forces alone.

²⁹⁷⁸ Cross-listed in Violence subset Governmental Use of Force.

1916 -- Nov 05, labor violence, IWW workers/local law enforcement, Everett, WA²⁹⁷⁹-- 7
1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA-- 6
1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO²⁹⁸⁰-6

VIOLENCE subset--**LABOR-related** Clashes, Incidents, Riots – **By Mortality** –continued:

1894 -- May 24, Labor Battle, Washington Coal and Coke Co, Sickle Hollow, PA -- 5

²⁹⁷⁹ Cross-listed in Violence subset Governmental Use of Force.

²⁹⁸⁰ Cross-listed in Violence subsection – Governmental Use of Force.

VIOLENCE Subset -- LABOR-Related Clashes, Incidents, Riots -- Chronological

1. 1867 -- Apr 18, labor riot, Silver Bend Mining Co., Belmont, NV -- 20
2. 1877 -- July 17-27, Great Railroad Strike, workers vs. police/military, esp. WV/MD/IL/PA/NY/OH--100-137

3. 1885 -- Sep 02, labor/racial violence/massacre, Chinese miners, Rock Springs WY²⁹⁸¹-- 28
4. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL²⁹⁸² -- 11
 1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI²⁹⁸³-- 7
5. 1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA²⁹⁸⁴ --30->50

6. 1891 -- Apr 2, Violence, Deputies Kill Strikers, Morewood Mine, Morewood, PA -- 11
7. 1892 -- July 06, Violence, Strikers & Pinkertons, Carnegie Steel, Homestead, PA -- 11
 1894 -- May 24, Labor Battle, Washington Coal and Coke Co, Sickle Hollow, PA -- 5
8. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA²⁹⁸⁵ -- 19
9. 1898 -- Oct 12, Labor Violence, coal miners and mine guards shootout, Virden, IL --12-13

10. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO²⁹⁸⁶ -- 15
11. 1904 -- Jun 6-8, Labor Violence, Bombing/Shooting, Cripple Creek, Teller County CO-- 21
12. 1905 -- Apr 6-Jul 19, Labor Violence, Teamsters' Strike and Riots, Chicago, IL -- 21

13. 1910 -- Oct 1, Labor Violence/Trade Unionist Bombing, *LA Times*, Los Angeles, CA²⁹⁸⁷-- 21
14. 1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN²⁹⁸⁸ -- 20
15. 1913 -- Feb 10, Labor Vio., Miners & Guards Clash, ~Mucklow, Kanawha County, WV-- 16
16. 1914 -- Apr 20, Ludlow Massacre (CO NG Attacks Striking Miners) Ludlow, CO²⁹⁸⁹ --18-25
 1916 -- Nov 05, Labor Violence, IWW workers/local law enforcement, Everett, WA²⁹⁹⁰-- 7
 1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA²⁹⁹¹ -- 5-9
 1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA-- 6

17. 1920 -- May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV --10-11
18. 1921 -- May 12-15, Battle of the Tug, coal mine labor conflict, Mingo County, WV -- 6-20
19. 1921 -- Aug 27-Sep 3, Battle of Blair Mt., Miners vs. Operators, Logan Co., WV --16->50
20. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL²⁹⁹² -- 23

²⁹⁸¹ Cross-listed in Violence-Racial Subset.

²⁹⁸² Cross-listed in Violence-Bombing Subset.

²⁹⁸³ Cross-listed in Violence subset Governmental Use of Force.

²⁹⁸⁴ There were unconfirmed reports of up to 300 fatalities. Cross-listed in Violence – Racial/Ethnic.

²⁹⁸⁵ Listed as well under Violence Subset Labor-Related

²⁹⁸⁶ Cross-listed in Violence-Bombing Subset.

²⁹⁸⁷ Cross-listed in Violence-Labor Subset and in Violence-Mass Murder.

²⁹⁸⁸ Cross-listed in Violence-Racial Subset.

²⁹⁸⁹ Cross-listed in Violence subset, Governmental Use of Force.

²⁹⁹⁰ Cross-listed in Violence subset Governmental Use of Force.

²⁹⁹¹ Cross-listed in Violence – Governmental Use of Force. The difference in numbers has to do with different estimates of those killed by government forces alone.

²⁹⁹² Two striking union-miners killed by mine guards June 21 upon attack by large group of striking miners and one other died of wounds July 13. 19-20 non-union miners and mine guards were murdered on June 22 by union miners. (The coroner's records turned over to the grand jury indicated 20 nonunion men, while the records of the undertakers who buried them indicated 19 burials – 19 was the number used in great majority of accounts.)

21. 1922 -- Jul 17, Striking Miners attack Saledka Mine, Sheriffs men, Cliftonville, WV -- 9-21
1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO²⁹⁹³-6

VIOLENCE Subset -- **LABOR-Related** Clashes, Incidents, Riots – **Chronological** (cont.)

22. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL²⁹⁹⁴ -- 10

On Oct. 2 Ignus Kubins, a hospitalized nonunion miner died of his wounds. Thus, there were 23 certain deaths; possibly more. Were reports of missing men, of men tossed into a pond or drowned in a river while attempting escape, and of men burned and consumed in the burning of railroad cars at the strip mine. Thus the possibility of one or more additional deaths. Cross-listed in Violence-Mass Murder.

²⁹⁹³ Cross-listed in Violence subsection – Governmental Use of Force.

²⁹⁹⁴ Cross-listed in Violence sub-section Governmental Use of Force.

VIOLENCE – MASS HANGING

1. 1862 -- Dec 26, mass hanging of Dakota Natives accused of 1862 war massacres, Mankato, MN²⁹⁹⁵--38

²⁹⁹⁵ See Aug 17-Sep, 1872 entry above noting the deaths of 300-650 MN white settlers in the “uprising.”

VIOLENCE – Mass Murder/Killing Spree/Manslaughter/Shootout Subset²⁹⁹⁶ – Mortality

1. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana²⁹⁹⁷-- 918
2. 1971 -- Feb 25-May 21, Juan Corona migrant farm worker killings, ~Yuba City, CA -- 25
3. 2003 -- May 13-14, illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX -- 19
4. 1916 -- Jan 10, mass murder, Americans on train 50M west of Chihuahua City, MX --16-17
5. 2001 -- May ~24, smugglers abandon immigrants without water in desert heat, AZ²⁹⁹⁸-- 14
6. 1981 -- Mar-Apr, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
7. 1921 -- June 25/26, Mass Murder/home then burned, Hamilton/Drew families, ~Mayfield, KY-- 11
8. 2002 -- Oct 13, decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11
9. 2005 -- Jan 26, train hits parked SUV; derails; hits parked train, Glendale, CA²⁹⁹⁹ -- 11
10. 1916 -- mass killing, Archer Home for Elderly, Windsor, New Haven County, CT -- 10
11. 1974 -- Jan 15-Jan 19, 1991-- D. Rader serial murders, Wichita area, Sedgwick Co., KS-- 10
12. 1984 -- May-Nov, Bobby Joe Long serial killings of women, Tampa Bay Area, FL -- ≥10
13. 2017 -- July 23, migrants die in hot semi-trailer found in parking lot, San Antonio, TX-- 10

Some examples of events with 6-9 deaths:

- 1978 -- June 22, drifters kill family of 3; 6 steakhouse workers/July 16, Purcell & OK City, OK-- 9
- 1912 -- June 10, family and two girls murdered in sleep with axe, Villisca, IA -- 8
- 1916 -- Mar 05-6, Daniel Okane kills family (7) and commits suicide, Lawton, OK -- 8
- 1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8
- 1966 -- July 14, Richard Speck mass murder of nurses, dorm room, Chicago, IL -- 8
- 1971 -- June 14, “dope den” “execution style” shootings, motel room, Detroit, MI -- 8
- 1987 -- July 11/12, man shoots parents/in-laws/wife/2 children/himself, Federal Way, WA-- 8
- 2020 -- Sep 06, mass shooting of Laotians, illegal marijuana growing house, Aguanga, CA-- 7
- 1932 -- Nov 24, Julian Marcelino rampage with knives, Seattle, WA -- 6
- 1980 -- Sep 20, ex-wife & family killed by ex-husband’s booby-trap bomb, Olathe, KS -- 6

²⁹⁹⁶ See Shooting Incidents for Mass Murder/Manslaughter using firearms.

²⁹⁹⁷ Cross-listed in Mass Suicide. Guyana is in northeast South America, Venezuela to the west, Brazil to the south and southwest and Suriname to the east. All were from U.S. except for a number of adopted Guyana children.

²⁹⁹⁸ Cross-listed in Heat.

²⁹⁹⁹ Cross-listed in Rail, and in Vehicular. The driver of the SUV was allegedly going to commit suicide via train collision, but got out prior to impact. Was sentenced to eleven life sentences for murder.

VIOLENCE – **MASS MURDER / Manslaughter** Subset³⁰⁰⁰ – **Chronological**

- 1856 -- May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin Co., KS-- 5
1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS-- 5
- 1912 -- June 10, family and two girls murdered in sleep with axe, Villisca, IA -- 8
1. 1916 -- multiple killings, Archer Home for Elderly, Windsor, New Haven County, CT-- 10
2. 1916 -- Jan 10, mass murder, Americans on train 50M W. Chihuahua City, MX --16-17
1916 -- Mar 5-6, Daniel Okane kills family (7) and commits suicide, Lawton, OK -- 8
3. 1921 -- June 25/26, mass murder/home then burned, Hamilton/Drew families, ~Mayfield, KY-- 11
1929 -- Feb 14, St. Valentine's Day Massacre, Capone gang vs. Moran gang, Chicago, IL-- 7
1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8
- 1932 -- Nov 24, violence, Julian Marcelino rampage with knives, Seattle, WA -- 6
1933 -- June 17, shooting murder of four law officers plus prisoner, Kansas City, MO -- 5
- 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
4. 1958 -- Jan 21-29, Starkweather killing spree, 9 in Nebraska, 1 in Wyoming -- 10
- 1966 -- July 14, Richard Speck mass murder of nurses, dorm room, Chicago, IL -- 8
5. 1971 -- Feb 25-May 21, Juan Corona migrant farm worker killings, ~Yuba City, CA -- 25
1971 -- June 14, "dope den" "execution style" shootings, motel room, Detroit, MI -- 8
6. 1974 -- Jan 15-Jan 19, 1991, D. Rader serial murders, Wichita area, Sedgwick Co., KS-- 10
1978 -- June 22, drifters kill family of 3; 6 steakhouse workers/July 16, Purcell & OK City, OK-9
7. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana³⁰⁰¹-- 918
- 1980 -- Sep 20, ex-wife & family killed by ex-husband's booby-trap bomb, Olathe, KS-- 6
8. 1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
1987 -- July 11/12, man shoots wife, two children, parents, in-laws, self, Federal Way, WA-8
9. 2001 -- May ~24, smugglers abandon immigrants without water in desert heat, AZ³⁰⁰²-- 14
10. 2002 -- Oct 13, decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11
11. 2003 -- May 13-14 illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX -- 19
12. 2005 -- Jan 26, train hits parked SUV; Derails; hits parked train, Glendale, CA³⁰⁰³ -- 11
2006 -- Oct 2, West Nickel Mines School (Amish) shooting, Lancaster County, PA³⁰⁰⁴-- 6
2015 -- May 17, violence, biker-gangs/Police shoot-out at Twin Peaks restaurant, Waco, TX-- 9
13. 2015 -- Dec 2, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³⁰⁰⁵-- 14

³⁰⁰⁰ See Shooting Incidents for Mass Murder/Manslaughter using firearms.

³⁰⁰¹ Cross-listed in Mass Suicide. Guyana is in northeast South America, Venezuela to the west, Brazil to the south and southwest and Suriname to the east. All were from U.S. except for a number of adopted Guyana children.

³⁰⁰² Cross-listed in Heat.

³⁰⁰³ Cross-listed in Rail, and in Vehicular. The driver of the SUV was allegedly going to commit suicide via train collision, but got out prior to impact. Was sentenced to eleven life sentences for murder.

³⁰⁰⁴ Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

14. 2017 -- July 23, migrants die in hot semi-trailer found in parking lot, San Antonio, TX-- 10
2020 -- Sep 06, mass shooting of Laotians, illegal marijuana growing house, Aguanga, CA--7

³⁰⁰⁵ Cross-listed in Terrorism.

VIOLENCE -- MASS SUICIDE Subset

1. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana³⁰⁰⁶-- 918
2. 1997 -- ~March 23, Mass Suicide, Heaven's Gate Cult, Rancho Santa Fe, CA -- 39

³⁰⁰⁶ Cross-listed in Mass Murder. Guyana is in northeast South America, Venezuela to the west, Brazil to the south and southwest and Suriname to the east. All were from U.S. except for a number of adopted Guyana children.

VIOLENCE subset—Massacres/Atrocities—of Whites by Native Americans—By Mortality

1. 1862 -- Aug 17-23 especially, Dakota “insurrection,” southcentral MN; also IA --750-779
2. 1644 -- Apr 18 (or Mar 18), Powhatans attack English colonists along James River, VA --400-500
3. 1813 -- Aug 30, Creeks massacre militia/settlers, Fort Mims, Baldwin Co., AL --250-400
4. 1622 -- Mar 22, Jamestown Massacre, Jamestown Colony, VA -- 347
5. 1729 -- Nov 28, Ft. Rosalie Massacre, French Colonists by Natchez, Natchez, MS --200-300
6. 1690 -- May 20, massacre, French/Indians attack settlers, Falmouth (Portland), ME--120-200
7. 1757 -- Aug, Natives massacre garrison after surrender, Fort William Henry, NY -- ~184
8. 1763 -- Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK~175
9. 1711 -- Sep 22, Tuscarora massacre of White settlers, Bath County, NC -->130-140
10. 1655 -- Sep 15-18,³⁰⁰⁷ Natives attack Dutch in New Netherland (NY and NJ) --16-100

11. 1812 -- Aug 15, Pottawatomie Massacre of Soldiers/Homesteaders, Fort Dearborn, IL -- ~98
12. 1675--Sep 18-19,³⁰⁰⁸ Bloody Brook Massacre, Natives attack wagon train, S. Deerfield, MA-59-76
13. 1692 -- Jan 25, Massacre, French and Indians attack English colony, York, ME ---50-75
14. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA -- 72
15. 1704 -- Feb 29, Massacre, French and Native allies attack Deerfield, MA³⁰⁰⁹ -- 68
16. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA-- 62
17. 1703 -- Aug 10, French & Indians attack So. coastal ME, esp. greater Portland vic. -- ≥61
18. 1778 -- Nov 11, Massacre, women/children, Loyalist/Seneca Force, Cherry Valley NY-- 48
19. 1676 -- Sep 25, Massacre, Natives destroy settlement at Cape Neddock, ME, kill/capture-- 40
20. 1697 -- Mar 15, Massacre; Natives attack English settlers, Haverhill, MA -- ~40
21. 1758 -- Apr 28, Massacre of Settlers by Shawnee, Fort Sybert/Seybert, WV -- >40
22. 1857 -- Mar 8-9, Massacre, Wahpetuke Dakota (Sioux) attack Spirit Lake, IA --35-40
23. 1879 -- Oct 11-19, Apache Massacre settlers, CO and NM --21-40
24. 1860 -- fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR -- 39
25. 1676 -- Feb 10, Massacre, Nipmuc Natives attack Lancaster, MA --34-35
26. 1632 -- Nov, Massacre at Fort Zwaanendael (Lewes), first Dutch Delaware Colony -- 32
27. 1856 -- Feb 22/23, Natives attack garrison & settlers, Rogue River, Whaleshead vic., OR-- 31
28. 1690 -- Mar 18, Massacre, French & Indians attack settlers, Salmon falls, NH -- 30
29. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga, NY-- 30
30. 1863 -- early spring-July, 2nd Dakota attack against settlers and military run-ins, MN³⁰¹⁰---30
31. 1697 -- Sep 11, massacre, Natives attack Lancaster, MA --21-26
32. 1803 -- March, massacre, crew of American ship *Boston*, Nootka, Vancouver Isl.³⁰¹¹ -- 25
33. 1663 -- Jun 7, massacre, Natives attack Dutch at Wiltwyck (Kingston, NY) and vic. --22-24
34. 1689 -- Jun 27, massacre, Penacook attack English colonists, Coheco (Dover) NH -- 23
35. 1812 -- Sep 4-5, massacre of Settlers, by Shawnee, Pigeon Roost, IN -- 23
36. 1689 -- Aug 28, massacre, Natives attack settlers from Huckin’s garrison, NH --21-22
37. 1694 -- July 27, massacre, Natives attack settlers, Groton, MA --20-22

³⁰⁰⁷ These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

³⁰⁰⁸ Both dates are used, apparently depending on whether old style or new style dating is applied.

³⁰⁰⁹ Though death tolls vary, we use Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, and 20 captives.

³⁰¹⁰ Only some of the fatalities were due to a massacre – the Dustin family massacre while on the road, with four killed, was the most widely reported at the time.

³⁰¹¹ Cross-listed in Violence – Massacres of Whites by Natives.

38. 1763 -- June 02, massacre, Fort Michilimackinac, MI, Ojibwas and Sacs attack -- 22
 39. 1763 -- Wyoming Flats (Luzerne County, PA) massacre of settlers -- ~20
 40. 1780 -- May 26, violence, massacre of settlers near St. Louis, MO -- ~20

VIOLENCE Subset -- **MASSACRES** -- **OF Whites BY Native Americans** -- By **Mortality**

41. 1703 -- Oct 06, massacre, Eng. settlers/militia attacked while farming, Scarborough, ME-- 19
 42. 1704 -- May 13, massacre, Natives attack settlers, Pascommuck (Easthampton) MA -- 19
 43. 1708 -- Aug 29, raid/massacre, French and Indians attack settlers, Haverhill, MA --16-19
 44. 1854 -- Aug 20, Ward Massacre, Natives attack wagon train, Boise River, ~Caldwell, ID-- 19
 45. 1676 -- Feb 21, massacre, Nipmuc and Narragansett Natives attack Medfield, MA --17-18
 46. 1838 -- Oct 08, massacre of surveying party near Dawson, Navarro County, TX -- 18
 47. 1872 -- Nov 29-30 Modoc "Hooker Jim" band kills white males, SE Tule Lake, CA --14-18
 48. 1877 -- June 13-16, Nez Perce young men with grievances kill settlers, so. Tolo Lake area, ID --16-18
 49. 1643 -- Aug, massacre, Anne Hutchinson's settlement by Siwanoy on Pelham Bay, NY-- 16
 50. 1675 -- Dec 16, massacre, Natives attack J. Bull Garrison, Pettaquamscutt (Kingston), RI--15
 51. 1677 -- Sep 19, massacre, Pocumtuck Natives attack English colonists, Hatfield, MA--12-15
 52. 1694 -- July 18, massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH-- 15
 53. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA --9--15
 54. 1828 -- Jedediah Smith Massacre, near Gardiner, OR -- 15
 55. 1847 -- Nov 29, Whitman Massacre, Missionaries, ~Walla Walla, WA -- 15
 56. 1855 -- Oct 09, Indians retaliate & attack settlers, upper Rogue River Valley, OR --12-15
 57. 1676 -- Aug 13-14, massacre, Natives attack settlers, Kennebec River & Arrowsic, ME-- ≥14
 58. 1696 -- June 26, massacre, Natives attack English settlers, Portsmouth Plains, NH -- 14
 59. 1767 -- July, Chippewas attack two Baynton, Wharton, Morgan trade boats, Ohio Riv.-- 14
 60. 1691 -- Sep 29, massacre, Indians attack English settlers, Sandy Beach (now Rye), NH-- 13
 61. 1755 -- Oct 16-17, violence/massacre, Natives attack German settlers, Penn's Creek, PA ≥13
 62. 1840 -- March, Retaliation for Council House Comanche peace envoy deaths; prisoners killed-- 13
 63. 1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA-- 13
 64. 1883 -- Aug 12, massacre, Santa Fe Railroad surveyors attacked by Apache -- 13
 65. 1675 -- ~June 23-25, King Philips War begins, Wampanoags attack Swansea, MA -- 9-12
 66. 1676 -- Mar 12, massacre, Natives attack Clark House, Eel River, ~Plymouth, MA --11-12
 67. 1676 -- Apr 18, massacre, Natives attack settlers at Sudbury, MA -- 7-12
 68. 1791 -- Jan 02, massacre, Delaware & Wyandot attack Big Bottom settlers, OH -- 12
 69. 1813 -- Sep 01, Creek massacre of two families in Clarke County, AL -- 12
 70. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
 71. 1868 -- Aug ~14-16, Cheyenne raids on settlers in and around Asher Creek, KS -- ~12
 72. 1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers, Fulton/Franklin county, PA--≥11
 73. 1763 -- May 25, St. Joseph's Post Massacre, mouth of St. Joseph's River, MI -- 11
 74. 1764 -- July 26, massacre, Natives attack one-room schoolhouse, near Greencastle, PA-- 11
 75. 1850 -- Apr 21, Quechan/Yuma Natives massacre Glanton Gang, Winterhaven, CA -- 11
 76. 1855 -- Oct 27-28, White/Native conflict, Puget Sound area, White River val., WA³⁰¹²--10-11
 77. 1676 -- Aug 11, massacre and captivity, Natives attack English settlers, Portland, ME-- ≥10
 78. 1695 -- Aug 05, massacre, Natives attack settlers, Billerica, MA -- 10
 79. 1850 -- May, Jicarilla Apache/Utes massacre US Mail wagon train, Wagon Mound, NM-- 10

³⁰¹² Two were militiamen hunting the Nisqually leader, and 8-9 were white settlers.

80. 1853 -- fall, Natives Kill Chinese, west branch Feather River, Butte County, CA -- 10

Other:

1637 -- Apr 23, massacre, Wongunk and Pequots attack Wethersfield, CT -- 9

1597 -- Natives massacre St. Francis missionaries, Guale (St. Catherine Island), GA -- 5

VIOLENCE subset – **Massacres/Atrocities** – of **Whites** by **Native Americans** **Chronological**

- 1597 -- Natives massacre St. Franciscan Missionaries, Guale (St. Catherine Island) GA-- 5
1. 1622 -- Mar 22, Jamestown Massacre, Jamestown Colony, VA -- 347
 2. 1632 -- Nov, massacre at Fort Zwaanendael (Lewes), first Dutch Delaware Colony -- 32
 - 1637 -- Apr 23, massacre, Wongunk and Pequots attack Wethersfield, CT -- 9
 3. 1643 -- Aug, massacre, Anne Hutchinson's settlement by Siwanoy on Pelham Bay, NY-- 16
 4. 1644 -- Apr 18 (or Mar 18), Powhatans attack English colonists along James River, VA --400-500
 5. 1655 -- Sep 15-18,³⁰¹³ Natives attack Dutch in New Netherland (NY and NJ) --16-100
 6. 1663 -- Jun 7, massacre, Natives attack Dutch at Wiltwyck (Kingston, NY) and vic. --22-24

 7. 1675 -- ~June 23-25, King Philips War begins, Wampanoags attack Swansea, MA -- 9-12
 8. 1675--Sep 18-19,³⁰¹⁴ Bloody Brook Massacre, Natives attack wagon train, S. Deerfield, MA-59-76
 9. 1675 -- Dec 16, Massacre, Natives attack J. Bull Garrison, Pettaquamscutt (Kingston), RI-15

 10. 1676 -- Feb 10, Massacre, Nipmuc Natives attack Lancaster, MA --34-35
 11. 1676 -- Feb 21, Massacre, Nipmuc and Narragansett Natives attack Medfield, MA --17-18
 12. 1676 -- Mar 12, Massacre, Natives Attack Clark House, Eel River, ~Plymouth, MA --11-12
 13. 1676 -- Apr 18, Massacre, Natives attack settlers at Sudbury, MA -- 7-12
 14. 1676 -- Aug 11, Massacre and captivity, Natives attack English settlers, Portland, ME-- ≥10
 15. 1676 -- Aug 13-14, Massacre, Natives attack settlers, Kennebec River & Arrowsic, ME-->14
 16. 1676 -- Sep 25, Massacre, Natives destroy settlement at Cape Neddock, ME, kill/capture-- 40

 17. 1677 -- Sep 19, Massacre, Pocumtuck Natives attack English colonists, Hatfield, MA--12-15

 18. 1689 -- Jun 27, Massacre, Penacooks attack English colonists, Cochecho (Dover) NH -- 23
 19. 1689 -- Aug 28, Massacre, Natives attack settlers from Huckin's garrison, NH --21-22

 20. 1690 -- March 18, Massacre, French & Indians attack settlers, Salmon falls, NH -- 30
 21. 1690 -- May 20, Massacre, French/Indians attack settlers, Falmouth (Portland), ME--~120-200
 22. 1691 -- Sep 29, Massacre, Indians attack English settlers, Sandy Beach (now Rye), NH-- 13
 23. 1692 -- Jan 25, Massacre, French and Indians attack English colony, York, ME ---~50-75
 24. 1694 -- July 18, Massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH-- 15
 25. 1694 -- July 27, Massacre, Natives attack settlers, Groton, MA --20-22
 26. 1695 -- Aug 05, Massacre, Natives attack settlers, Billerica, MA -- 10
 27. 1696 -- June 26, Massacre, Natives attack English settlers, Portsmouth Plains, NH -- 14
 28. 1697 -- March 15, Massacre; Natives attack English settlers, Haverhill, MA -- ~40
 29. 1697 -- Sep 11, Massacre, Natives attack Lancaster, MA --21-26

 30. 1703 -- Aug 10, French & Indians attack So. coastal ME, esp. greater Portland vic. -- ≥61
 31. 1703 -- Oct 6, Massacre, Eng. settlers/militia attacked while farming, Scarborough, ME-- 19
 32. 1704 -- Feb 29, Massacre, French and Native allies attack Deerfield, MA³⁰¹⁵ -- 68

³⁰¹³ These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

³⁰¹⁴ Both dates are used, apparently depending on whether old style or new style dating is applied.

33. 1704 -- May 13, Massacre, Natives attack settlers, Pascommuck (Easthampton) MA -- 19
 34. 1708 -- Aug 29, Raid/Massacre, French and Indians attack settlers, Haverhill, MA --16-19

VIOLENCE Subset -- **MASSACRES** -- of **Whites** by **Native Americans** -- **Chronological**

35. 1711 -- Sep 22, Tuscarora Massacre of White Settlers, Bath County, NC -->130-140
 36. 1724 -- Natives attack Maine fishing posts taking 22 vessels/killing at least 22 men -- ≥20
 37. 1729 -- Nov 28, Ft. Rosalie Massacre, French colonists by Natchez, Natchez, MS --200-300
 38. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga, NY-- 30
 39. 1755 -- Oct 16, Violence-Massacre, Natives attack settlers, Penn's Creek, PA -- >13
 40. 1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers, Fulton/Franklin Co, PA -- ≥11
 41. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA --9-~15
 42. 1757 -- Aug, Natives massacre garrison after surrender, Fort William Henry, NY -- ~184
 43. 1758 -- Apr 28, massacre of settlers by Shawnee, Fort Sybert/Seybert, WV -- >40
 44. 1763 -- Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK~175
 45. 1763 -- massacre of settlers, Wyoming Flats (Luzerne County), PA -- ~ 20
 46. 1763 -- May 25, St. Joseph's Post Massacre, Mouth of St. Joseph's River, MI -- 11
 47. 1763 -- Jun 02, massacre, Fort Michilimackinac, MI, Ojibwas and Sacs attack -- 22
 48. 1764 -- July 26, massacre, Indians attack one-room schoolhouse near Greencastle, PA-- 11
 49. 1767 -- July, Chippewas attack two Baynton, Wharton, Morgan trade boats, Ohio Riv.-- 14
 50. 1778 -- Nov 11, massacre, women/children, Loyalist/Seneca force, Cherry Valley NY-- 48
 51. 1780 -- May 26, massacre of settlers near St. Louis, MO -- ~20
 52. 1791 -- Jan 02, massacre, Delaware & Wyandot attack Big Bottom settlers, OH -- 12
53. 1812 -- Aug 15, Pottawatomie Massacre of soldiers/homesteaders, Fort Dearborn, IL -- ~98
 54. 1812 -- Sep 4-5, massacre of settlers, by Shawnee, Pigeon Roost, IN -- 23
 55. 1813 -- Aug 30, Creeks massacre militia/settlers, Fort Mims, Baldwin Co., AL --250-400
 56. 1813 -- Sep 01, Creek Massacre of two families in Clarke County, AL -- 12
57. 1828 -- Jedediah Smith Massacre, near Gardiner, OR -- 15
 58. 1838 -- Oct 08, massacre of surveying party near Dawson, Navarro County TX -- 18
 59. 1840 -- March, retaliation for Council House Comanche peace envoy deaths; prisoners killed-- 13
 60. 1847 -- Nov 29, Whitman Massacre, missionaries, near Walla Walla, WA -- 15
61. 1850 -- Apr 21, Quechan/Yuma Natives massacre Glanton Gang, Winterhaven, CA -- 11
 62. 1850 -- May, Jicarilla Apache/Utes massacre US Mail wagon train, Wagon Mound, NM-- 10
 63. 1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA-- 13
 64. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA -- 72
 65. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA-- 62
 66. 1853 -- fall, Natives kill Chinese, west branch Feather River, Butte County, CA -- 10
 67. 1854 -- Aug 20, Ward Massacre, Natives attack wagon train, Boise River, ~Caldwell, ID-- 19
 68. 1855 -- Oct 09, massacre, Indians attack settlers, upper Rogue River Valley, OR -- 12
 69. 1856 -- Feb 22/23, Natives attack garrison & settlers, Rogue River, Whaleshead vic., OR-- 31
 70. 1857 -- Mar 08-09, massacre, Wahpetuke Dakota (Sioux) attack Spirit Lake, IA --35-40

³⁰¹⁵ Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, 20 captives.

- 71. 1860 -- fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR -- 39
- 72. 1862 -- Aug 17-23 especially, Dakota “insurrection,” southcentral MN; also IA --750-779
- 73. 1863 -- early spring-July, 2nd Dakota attack against settlers and military run-ins, MN³⁰¹⁶--~30
- 74. 1868 -- Aug ~14-16, Cheyenne raids on settlers in and around Asher Creek, KS -- ~12

Violence Subset--MASSACRES – of Whites by Native Americans – Chronological (Cont.)

- 75. 1872 -- Nov 29-30 Modoc “Hooker Jim” band kills white males, SE Tule Lake, CA --14-18
- 76. 1877 -- June 13-16, Nez Perce young men with grievances kill settlers, so. Tolo Lake area, ID --16-18
- 77. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
- 78. 1883 -- Aug 12, massacre, Santa Fe Railroad surveyors attacked by Apache -- 13

³⁰¹⁶ Only some of the fatalities were due to a massacre – the Dustin family massacre while on the road, with four killed, was the most widely reported at the time.

VIOLENCE subset—**Massacres/Atrocities** - **Whites against Native Americans**--**By Mortality**

1. 1675 -- Dec 19, English colonists massacre Narragansetts, Great Swamp, RI --365-1,100
2. 1599 -- Jan 21, Spanish (Oñate) massacre Acoma Natives, punitive expedition, NM-300-800
3. 1637 -- May 26, Mystic Massacre, Eng. colonists attack Pequot vil., Mystic Riv. CT --400-700
4. 1644 -- Feb, massacre, Dutch attack Siwanoyoys, Petuquapaen, ~Cos Cob, CT³⁰¹⁷ --500-700
5. 1853 -- late fall, Burnt Ranch Massacre, settlers kill Tolowa/Yontocket, Smith Riv., No. CA--450-600
6. 1864 -- Sep, General massacre of Yana Natives, Northern CA -->335-500
7. 1863 -- Jan 29, US Army massacre Shoshone, camp on Bear River, Utah Terr., ID --250-493
8. 1859 -- late Mar-May, White massacres of Yuki Natives, Round Valley, Mendocino Co., CA--240-400
9. 1890 -- massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD -- 350
10. 1676 -- May 19, Eng. colonists massacre Natives, Peskeompskut, Turners Falls, MA--200-300
11. 1813 -- Nov 03, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek village, AL--300
12. 1851 -- massacre, White miners burn Wintu Council House, Old Shasta, CA -- 300
13. 1863 -- Sep 03, massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill, ND--150-300

14. 1860 -- Whites attack Yuki Natives near Round Valley, Mendocino County, CA -- 250
15. 1860 -- Feb 26, Whites massacre Natives, Indian Isl. & Humboldt Bay vic., CA -->100->250
16. 1861 -- Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val. CA--100-240
17. 1870 -- Jan 23, Baker Massacre/2nd Cav. of Piegan camp, Marias River, MT Terr. --173-217
18. 1539 ---Sep 16, Napituca Massacre, Hernando de Soto executes Timucuans, No. Cen. FL-30-200
19. 1623 -- May 12, Cpt. Tucker VA party poison/kill Powhatans, Patawomeck, VA --150-200
20. 1763 -- Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK>200
21. 1784 -- Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK -->200
22. 1850 -- May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA --60-200

23. 1846 -- Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA-- >175
24. 1852 -- Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA --140-153
25. 1857 -- Sep 3, massacre, Col. Harney Attacks Sioux camp, Bluewater Creek, NE -- 150
26. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO --130-150
27. 1871 -- Apr 30, massacre of Apache, Camp Grant Arivaipa, Arizona Territory --125-150
28. 1850 -- "Friendship Feast," Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA-- 145
29. 1840 -- Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX --110-140
30. 1676 -- Jul 02, massacre, Eng. Colonists attack Narragansett camp ~Providence, RI--100-126
31. 1643 -- Feb 25, New Amsterdam Dutch massacre Natives, Pavonia [NJ]³⁰¹⁸ --80-120
32. 1644 -- Early (Jan?), massacre, Dutch and English attack Mespeth (Long Island, NY) -- 120
33. 1868 -- Nov 27, "Battle" of the Washita, Custer attacks Cheyenne village, OK -- 103
34. 1542 ---Mid-May, Massacre, de Soto's men attack Natives in Nilco province town, AR--~100
35. 1724 -- Aug 23, massacre, colonial militia attack Abenaki village, Norridgewock, ME~80-100
36. 1790 -- Jan late, Olowalu Massacre, Cpt. Metcalfe, *Eleanora*, fires on Native canoes, Maui >100
37. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA --30->100

³⁰¹⁷ In dispute – some place the massacre in Westchester County, NY (Dinan. "Historians Sift Clues..." *Greenwich Time*, 3-5-2006.)

³⁰¹⁸ Giersbach writes that the attack site was today's Corlaer's Hook, Jersey City. *Wikipedia* has it that Pavonia was "on the west bank of the North River (Hudson River)...in what would become today's Hudson County, New Jersey." (*Wikipedia*. "Pavonia, New Netherland," 11-11-2012 modification.)

Violence Subset—**“MASSACRES” - Whites Against Native Americans—By Mortality** (Cont.)

38. 1782 -- March 8, Massacre of noncombatant Indians by PA militia, Gnadenhutten, OH-- 96
39. 1637 -- Massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80
40. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA -- >75
41. 1855 -- Sep, “Cpt.” Jarboe force Massacres Achomawi Natives, Pit River village, CA -- >70
42. 1676 -- July 3 or 4, Massacre, Eng. Colonists attack Narragansetts, Warwick Neck, RI--40-67
43. 1813 -- Nov 18, Hillabee Massacre, US Troops attack Creek Vil. suing for peace, AL -- 61
44. 1832 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI -- < 60
45. 1853 -- fall, White/Chinese retaliatory attack re. Natives, Feather Riv., Butte Co., CA --40-60
46. 1541/42 winter, Coronado’s Expeditionaries burn-at-the-stake Tiwa Natives, NM³⁰¹⁹ --40-50

47. 1859 --~Late Aug,³⁰²⁰ McElroy party massacres Natives Roff’s Ranch, Pitt Riv. vic., CA--≥49
48. 1852 -- Nov, Ben Wright Massacre of Modocs, peace talks, Lost Riv., Tule Lake, CA --30-41
49. 1855 -- Oct 08, Lupton Massacre, Whites attack Natives ~Upper Table Rock, OR --23-41
50. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA--30-40
51. 1854 -- May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA--32~40
52. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA -- >40
53. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
54. 1859 -- summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA-- ~40
55. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA-- ~40

56. 1861 --~Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA --13-39
57. 1840 -- Mar 19, Council House Fight, Comanches in peace party, San Antonio, TX³⁰²¹-- 35
58. 1863 -- Apr 19, Keysville Massacre, US Army attacks Natives, near Keysville, CA -- 35
59. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA --20-32
60. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9~30
61. 1871 -- Cowboys (4) Massacre Yahi women/children, Kingsley Cave, Tehama Co., CA-- ~30

62. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA -- 27
63. 1859 -- ~Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA -- ≥27
64. 1854 -- Feb 15, Miller group massacres Chetco Natives, Chetco River mouth, SW OR-- ~26
65. 1862 -- Aug, Massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA --23-24
66. 1760 -- Feb, Massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC-- 22
67. 1849 -- Mar Ore. miners kill Maidus, American River, Weber’s Creek, Coloma, CA -- >22
68. 1690 -- ~Sep 15, Massacre, English attack native village, NW of Brunswick, ME -- 21
69. 1763 -- Dec 14 & 27, Massacres, *Paxton Boys* kill Natives, Conestoga & Lancaster, PA -- 20
70. 1837 -- Spring, Santa Rita/John Johnson Massacre, Apache Trading Party, SX NM -- 20
71. 1858 -- Early-mid Jun, Whites attack Mattole Natives, Mattole Villy., Humboldt Co. --15-20

³⁰¹⁹ Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”

³⁰²⁰ Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.

³⁰²¹ Seven Texans also killed – making for total of 42. We note as a “massacre” in that the Comanche had been invited in to pursue peace negotiations, and had brought along wives and children, five of whom were among the thirty-five Comanche killed by an armed force brought in ready to fight, unbeknownst to the Comanche.

Violence Subset—**“MASSACRES” - Whites Against Native Americans—By Mortality (Cont.)**

72. 1849 -- Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA-- ≥17
73. 1854 -- Jan 29, Coos Co. miners massacre Coquilles, north of Coquille Ri. mouth, OR--16-17
74. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA -- 17
75. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA --10-16
76. 1745 -- Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK -- 15
77. 1852 -- Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border --11-15
78. 1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA -- 15
79. 1675 -- July or Sep, VA Militiamen looking for Doeg Natives Kill Susquehannocks, VA-- 14
80. 1858 -- Dec 31, Whites kill Natives ~Eden Valley, Russian River area, Sonoma Co., CA—14
81. 1850 -- Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA >13
82. 1853 -- Mar 01, Cattle theft reported, Whites attack Natives in cave near Oak Grove, CA-- 13
83. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA-- 11
84. 1859 --~Oct 11, Massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA -- 11
85. 1768 -- Jan 10-11, Stump massacre of Native men/women/children, Penn Twp, Cumberland Co., PA--10
86. 1774 -- Apr 30, Greathouse VA force murder Mingos, yellow Creek/OH Riv., OH/WV³⁰²²~10
87. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA -- ~10

³⁰²² We note Ohio and West Virginia because while the murders occurred on today's WV side, the natives lived across the Ohio River (in present-day Ohio) at a camp where yellow Creek empties into the Ohio.

VIOLENCE subset-Massacres/Atrocities- Whites against Native Americans--Chronological

1. 1539 --~Sep 16, Napituca Massacre, Hernando de Soto executes Timucuan, No. Cen. FL-30-200
2. 1541/42 winter, Coronado's Expeditionaries burn-at-the-stake Tiwa Natives, NM³⁰²³ --40-50
3. 1542 --~Mid-May, massacre, de Soto's men attack Natives in Nilco province town, AR--~100
4. 1599 -- Jan 21, Spanish (Oñate) massacre Acoma Natives, punitive expedition, NM -300-800

5. 1623 -- May 12, Cpt. Tucker VA party poison/kill Powhatans, Patawomeck, VA --150-200
6. 1637 -- May 26, Mystic Massacre, Eng. colonists attack Pequot vil., Mystic Riv., CT--400-700
7. 1637 -- massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80
8. 1643 -- Feb 25, New Amsterdam Dutch massacre Natives, Pavonia [NJ]³⁰²⁴ --80-120
9. 1644 -- Early (Jan?), massacre, Dutch and English attack Mespath (Long Island, NY) -- 120
10. 1644 -- Feb, massacre, Dutch attack Siwanoy, Petuquapaen, ~Cos Cob, CT³⁰²⁵ --500-700
11. 1675 -- July or Sep, VA militiamen looking for Doeg Natives kill Susquehannocks, VA-- 14
12. 1675 -- Dec 19, English colonists massacre Narragansetts, Great Swamp, RI --365-1,100
13. 1676 -- May 19, Eng. colonists massacre Natives, Peskeompskut, Turners Falls, MA--200-300
- 14.
15. 1676 -- Jul 02, massacre, Eng. Colonists attack Narragansett camp ~Providence, RI--100-126
16. 1676 -- July 3 or 4, massacre, Eng. colonists attack Narragansetts, Warwick Neck, RI --40-67
17. 1690 -- ~Sep 15, massacre, English attack native village, NW of Brunswick, ME -- 21

18. 1724 -- Aug 23, massacre, colonial militia attack Abenaki village, Norridgewock, ME~80-100
19. 1745 -- Russian traders massacre Unangan (Aleut) women and children, Attu, AK -- 15
20. 1760 -- Feb, massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC-- 22
21. 1763 -- Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK>375
22. 1763 -- Dec 14 & 27, massacres, *Paxton Boys* kill Natives, Conestoga & Lancaster, PA -- 20
23. 1768 -- Jan 10-11, Stump massacre of Native men/women/children, Penn Twp, Cumberland Co., PA-- 10
24. 1774 -- Apr 30, Greathouse VA force murder Mingos, yellow Creek/OH Riv., OH/WV³⁰²⁶~10
25. 1782 -- Mar 08, massacre of noncombatant Indians by PA militia, Gnadenhutten, OH -- 96
26. 1784 -- Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK -- >200

27. 1813 -- Nov 03, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek village, AL--300
28. 1813 -- Nov 18, Hillabee Massacre, US troops attack Creek village suing for peace, AL-- 61

29. 1832 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI -- < 60
30. 1837 -- Spring, Santa Rita/John Johnson Massacre, Apache trading party, SX NM -- 20

31. 1840 -- Mar 19, Council House Fight, Comanches in peace party, San Antonio, TX³⁰²⁷-- 35

³⁰²³ Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by "lancing."

³⁰²⁴ Giersbach writes that the attack site was today's Corlaer's Hook, Jersey City. *Wikipedia* has it that Pavonia was "on the west bank of the North River (Hudson River)...in what would become today's Hudson County, New Jersey." (*Wikipedia*. "Pavonia, New Netherland," 11-11-2012 modification.)

³⁰²⁵ In dispute; some place in Westchester Co., NY (Dinan. "Historians Sift Clues..." *Greenwich Time*, 3-5-2006.)

³⁰²⁶ We note Ohio and West Virginia because while the murders occurred on today's WV side, the natives lived across the Ohio River (in present-day Ohio) at a camp where yellow Creek empties into the Ohio.

- 32. 1840 -- Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX --110-140
- 33. 1846 -- Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA-- >175
- 34. 1849 -- March, Ore. miners kill Maidus, American River, Weber's Creek, Coloma, CA-- >22
- 35. 1849 -- Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA-- ≥17

VIOLENCE Subset--**"MASSACRES" - Whites Against Native Americans** -- **Chronological**

- 36. 1850 -- "Friendship Feast," Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA-- 145
- 37. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA-- 11
- 38. 1850 -- Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA>13
- 39. 1850 -- May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA --60-200
- 40. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA -- >75
- 41. 1851 -- Massacre, White Miners Burn Wintu Council House, Old Shasta, CA -- 300

- 42. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA--30-40
- 43. 1852 -- Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA --140-153
- 44. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9~30
- 45. 1852 -- Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border --11-15
- 46. 1852 -- Nov, Ben Wright Massacre of Modocs, peace talks, Lost Riv., Tule Lake, CA --30-41

- 47. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA -- 27
- 48. 1853 -- Mar 01, Cattle theft reported, Whites attack Natives in cave near Oak Grove, CA-- 13
- 49. 1853 -- fall, White/Chinese retaliatory attack re. Natives, Feather Riv., Butte Co., CA --40-60
- 50. 1853 -- late fall, Burnt Ranch Massacre, settlers kill Tolowa/Yontocket, Smith Riv., No. CA--450-600

- 51. 1854 -- Jan 29, Coos Co. miners massacre Coquilles, north of Coquille Ri. mouth, OR--16-17
- 52. 1854 -- Feb 15, Miller group massacres Chetco Natives, Chetco River mouth, SW OR-- ~26
- 53. 1854 -- May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA--32~40

- 54. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA --30->100
- 55. 1855 -- Sep, "Cpt." Jarboe force Massacres Achomawi Natives, Pit River village, CA -- >70
- 56. 1855 -- Oct 08, Lupton Massacre, Whites attack Indian village ~Upper Table Rock, OR-- 23

- 57. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA -- >40

- 58. 1857 -- Sep 3, Massacre, Col. Harney Attacks Sioux Camp, Bluewater Creek, NE -- 150

- 59. 1858 -- early May, killing of Yana Natives near Battle Creek, Tehama Co., No. CA -- 15
- 60. 1858 -- early-mid June, Whites attack Mattole Natives, Mattole Valley, Humboldt Co.--15-20
- 61. 1858 -- Dec 31, Whites kill Natives ~Eden Valley, Russian River area, Sonoma Co., CA-- 14

- 62. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
- 63. 1859 -- late Mar-May, White massacres of Yuki Natives, Round Valley, Mendocino Co., CA--240-400

³⁰²⁷ Seven Texans also killed, for total of 42. We note as a "massacre" in that the Comanche had been invited in to pursue peace negotiations, and had brought along wives and children, five of whom were among the thirty-five Comanche killed by an armed force brought in ready to fight, unbeknownst to the Comanche.

- 64. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA -- 17
- 65. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA --10-16
- 66. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA -- ~10
- 67. 1859 -- summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA-- ~40
- 68. 1859 --~late Aug,³⁰²⁸ McElroy party massacres Natives, Roff's Ranch, Pitt Riv. vic., CA-->49
- 69. 1859 -- ~Nov 24, Jarboe's Eel River Rangers attack Natives, Round Valley vic., CA -- >27
- 70. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA --20-32

VIOLENCE Subset--**"MASSACRES" - Whites Against Native Americans** -- **Chronological**

- 71. 1860 -- Whites attack Yuki Natives near Round Valley, Mendocino County, CA -- 250
- 72. 1860 -- Feb 26, Whites Massacre Natives, Indian Isl. & Humboldt Bay vic., CA -->100->250
- 73. 1861 --~Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA --13-39
- 74. 1861 -- Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val. CA--100-240
- 75. 1862 -- Aug, massacre of Wailaki Natives, Upper Station, Round Valley Reservation., CA->20
- 76. 1863 -- Jan 29, US Army massacre Shoshone, camp on Bear River, Utah Terr., ID --250-493
- 77. 1863 -- Apr 19, Keysville Massacre, US Army attacks Natives near Keysville, CA -- 35
- 78. 1863 -- Sep 3, massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill, ND --150-300
- 79. 1864 -- Sep, General massacre of Yana Natives, Northern CA -->335-500
- 80. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO --130-150
- 81. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA-- ~40
- 82. 1868 -- Nov 27, "Battle" of the Washita, Custer attacks Cheyenne village, OK -- 103
- 83. 1870 -- Jan 23, Baker Massacre/2nd Cav. of Piegan camp, Marias River, MT Terr. --173-217
- 84. 1871 -- cowboys (4) massacre Yahi women/children, Kingsley Cave, Tehama Co., CA-- ~30
- 85. 1871 -- Apr 30, Massacre of Apache, Camp Grant Arivaipa, Arizona Territory --125-150
- 86. 1890 -- massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD -- 350

³⁰²⁸ Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.

VIOLENCE Subset – **MASSACRES/Atrocities (Other)** – **By Mortality**

1. 1836 -- Mar 27, Mexican Pres. Santa Anna orders execution of TX prisoners, Goliad, TX--342
2. 1833 -- Early Sum., Cutthroat Gap Massacre, Osage attack Kiowa, ~Saddle Mt., OK --~150
3. 1862 -- Oct 24, Massacre of Tonkawa by pro-Union Natives near Anadarko, OK --136-150
4. 1565 -- Sep 20, Massacre, Spanish troops kill male French colonists, Fort Caroline FL³⁰²⁹~140
5. 1857 -- Sep 11, Mt. Meadows Massacre, Mormons/Paiutes attack Wagon Train, UT--120-140
6. 1866 -- May 19-21, Massacres of Chinese Miners by Natives, Battle Creek vic., OR --50-150
7. 1873 -- Aug 05, Massacre, Dakota (Sioux) attack Pawnee hunting party ~Trenton, NE-- 69
8. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA-55-65
9. 1815 -- Apr 06, Massacre of American Prisoners-of-War, Dartmoor Prison, England -- 7-64
10. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC ~32~54

11. 1676 -- Jun 12, Mohawks massacre Native camp whose men were attacking Hadley, MA--50
12. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR--31-34
13. 1863 -- Apr 11, Chilula Massacre by Hoopa/Chilulas ~Stone Lagoon, Humboldt Co., CA-- ~30
14. 1885 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY³⁰³⁰-- 28
15. 1850 -- Apr 03, Sioux Massacre Chippewa men, women, children, Apple River, WI -- 14

³⁰²⁹ Today's Jacksonville.

³⁰³⁰ Cross-listed under Violence-Labor, Violence-Racial, and Violence-Terrorism.

VIOLENCE Subset – **MASSACRES/Atrocities (Other)** – **Chronological**

1. 1565 --Sep 20, Massacre, Spanish troops kill male French colonists, Fort Caroline L³⁰³¹ ~140
2. 1676 -- Jun 12, Mohawks massacre Native camp whose men were attacking Hadley, MA--50
3. 1815 -- Apr 06, Massacre of American Prisoners-of-War, Dartmoor Prison, England -- 7-64
4. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA-55-65
5. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC ~32--54
6. 1833 -- Early Sum., Cutthroat Gap Massacre, Osage attack Kiowa, ~Saddle Mt., OK -- ~150
7. 1836 -- Mar 27, Mexican Pres. Santa Anna orders execution of TX prisoners, Goliad, TX--342
8. 1850 -- Apr 03, Sioux Massacre Chippewa men, women, children, Apple River, WI -- 14
9. 1857 -- Sep 11, Mt. Meadows Massacre, Mormons/Paiutes attack Wagon Train, UT--120-140
10. 1862 -- Oct 24, Massacre of Tonkawa by pro-Union Natives near Anadarko, OK --136-150
11. 1863 -- Apr 11, Chilula Massacre by Hoopa/Chilulas ~Stone Lagoon, Humboldt Co., CA-- ~30
12. 1866 -- May 19-21, Massacres of Chinese Miners by Natives, Battle Creek vic., OR --50-150
13. 1873 -- Aug 5, Massacre, Dakota (Sioux) attack Pawnee hunting party ~Trenton, NE -- 69
14. 1885 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY³⁰³²-- 28
15. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR--31-34

³⁰³¹ Today's Jacksonville.

³⁰³² Cross-listed under Violence-Labor, Violence-Racial, and Violence-Terrorism.

VIOLENCE Subset – **NEGLIGENCE**

1. 1884 -- June 4, Infant Bodies found, Nivison Home for Infants, Hammonton, NJ -- 21

VIOLENCE – PLANES BLOWN-Up/Crashed Subset–By Mortality

1. 1999 -- Oct 31, Mass Murder, Egypt Air Flight 990 Crash, off Nantucket Is. MA³⁰³³ -- 217
2. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88
3. 1962 -- May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO³⁰³⁴-- 45
4. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO³⁰³⁵ -- 44
5. 1964 -- May 07, Mass Mur., Pilot Shot, Pacific Air 773 Crashes, San Ramon, CA,³⁰³⁶ -- 44
6. 1987 -- Dec 07, Mass Mur., Pacific SW Flight 1771 Hijacked/Crashed, Cayucos, CA³⁰³⁷-- 43
7. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mexico³⁰³⁸-- 42
8. 1960 -- Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC³⁰³⁹ -- 34

VIOLENCE – PLANES Blown-Up or Crashed Subset–Chronological

1. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO³⁰⁴⁰ -- 44
2. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mexico³⁰⁴¹ -- 42
3. 1960 -- Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC³⁰⁴² -- 34
4. 1962 -- May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO³⁰⁴³ -- 45
5. 1964 -- May 07, Mass Mur., Pilot Shot, Pacific Air 773 Crashes, San Ramon, CA,³⁰⁴⁴ -- 44
6. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88
7. 1987 -- Dec 07, Mass Mur., Pacific SW Flight 1771 Hijacked/Crashed, Cayucos, CA³⁰⁴⁵-- 43
8. 1999 -- Oct 31, Mass Murder, Egypt Air Flight 990 Crash, off Nantucket Is. MA³⁰⁴⁶ -- 217

³⁰³³ Cross-listed under Aviation.

³⁰³⁴ Cross-listed under Aviation and Violence-Bombing.

³⁰³⁵ Cross-listed under Aviation and Violence-Bombing.

³⁰³⁶ Cross-listed under Aviation.

³⁰³⁷ Cross-listed under Aviation.

³⁰³⁸ Cross-listed under Aviation.

³⁰³⁹ Cross-listed under Aviation and Violence-Bombing.

³⁰⁴⁰ Cross-listed under Aviation and Violence-Bombing.

³⁰⁴¹ Cross-listed under Aviation.

³⁰⁴² Cross-listed under Aviation and Violence-Bombing.

³⁰⁴³ Cross-listed under Aviation and Violence-Bombing.

³⁰⁴⁴ Cross-listed under Aviation.

³⁰⁴⁵ Cross-listed under Aviation.

³⁰⁴⁶ Cross-listed under Aviation.

Violence -- PLANE SHOT DOWN by air-to-air Missile -- By Mortality

1. 1983 -- Sep 1, Korean Air 007 (NY to Seoul) shot down by USSR off Sakhalin Isl.³⁰⁴⁷--269 (US 61-94)

³⁰⁴⁷ 61-62 were U.S. citizens (depending on source). Thirty-two were foreign nationals living in the U.S.

VIOLENCE– POISONING Subset --Deadliest American – By MORTALITY

1. 1850 -- “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA³⁰⁴⁸145

OTHER:

- 1982 -- Sep 29, Sabotage/Poisoning deaths begin, Tylenol Tampering, Chicago, IL³⁰⁴⁹-- 7

VIOLENCE– POISONING Subset -- Deadliest American -- CHRONOLOGICAL

1. 1850 -- “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA³⁰⁵⁰145
1982 -- Sep 29, Sabotage/Poisoning deaths begin, Tylenol Tampering, Chicago, IL³⁰⁵¹-- 7

³⁰⁴⁸ Cross-listed in Violence – Massacres.

³⁰⁴⁹ Cross-listed in Sabotage.

³⁰⁵⁰ Cross-listed in Violence – Massacres.

³⁰⁵¹ Cross-listed in Sabotage.

VIOLENCE -- POLITICAL: Secession, Uprising, Revolt, Riot, Mob Subset-By Mortality

1. 1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300
2. 1836 -- Feb 23-March 6, fall of the Alamo, Texans Revolt from Mexico -- 257
3. 1874 -- Apr 30-May 9 "Brooks-Baxter (contending Govs.) War" Little Rock AR -- >200
4. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY³⁰⁵² --105-~120
5. 1873 -- Apr 13, Racial and Political Violence, Colfax, Louisiana --67-105
6. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
7. 1771 -- May 16, "Regulators" uprising, Battle of Alamance, near Burlington, NC --26-~100
8. 1876 -- Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken & Barnwell Co's. SC³⁰⁵³ --25-100
9. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA --55-65
10. 1875 -- Sep 4-6, Racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS³⁰⁵⁴-37-57

11. 1884 -- Mar 28-30, Hamilton County Courthouse Riots, Cincinnati, OH³⁰⁵⁵ --45-56
12. 1866 -- July 30, Racial/Political "Riots", Blacks seeking rights, New Orleans, LA³⁰⁵⁶ --38-48
13. 1874, Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA³⁰⁵⁷ - 27-38
14. 1800 -- Aug 30, Gabriel's Rebellion/Slave Uprising/Mass Hanging, Richmond, VA -- 35
15. 1882 -- June, Slave Insurrection Conspiracy Charge, Executions, Charleston, SC -- 35
16. 1950 -- Oct 29-Nov 6,³⁰⁵⁸ Independence uprisings multiple locations, Puerto Rico -- ~33
17. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA³⁰⁵⁹--10-26
18. 1898 -- Nov 10, Racial and Political (local coup d'état) Violence, Wilmington, NC --22-26
19. 1677 -- Leaders of Bacon's Rebellion (colonists vs. Gov. Berkeley) hanged in VA --22-23
20. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY³⁰⁶⁰-22
21. 1712 -- April 6, Fear of Insurrection of Blacks, Executions, NY, NY -- 21
22. 1859 -- Oct 16-18, John Brown Insurrection, Harper's Ferry, VA, -- 20
23. 1847 -- Jan 19-20 Mexican/Pueblo Revolt, against U.S. NM occupation, Taos vic. -16-≥19
24. 1884 -- Nov 01, Political Riot, Loreauville, Iberia Parish, LA -- ≥18
25. 1861 -- April 19, Secession Mob Attacks 6th MA & 7th PA Regiments, Baltimore, MD-- 16
26. 1848 -- Violence, Vigilante Riot, Jailhouse, Cincinnati, OH -- 11
27. 1854 -- Aug 7-8, Voting Riots, Nativist "Know Nothings" vs. Irish, St. Louis, MO³⁰⁶¹ -- 10

³⁰⁵² Cross-listed in Racial Violence.

³⁰⁵³ Cross-listed herein given the strong Democrat versus Republican backdrop and component of this violence.

³⁰⁵⁴ Cross-listed in Racial Violence. Majority of targets were Black men, in general, and Republican leaders.

³⁰⁵⁵ Cross-listed in the Violence subset Racial/Ethnic, in that one source considers it such, but at least one does not.

³⁰⁵⁶ Cross-listed in the Violence subset Racial/Ethnic.

³⁰⁵⁷ Cross-listed in the Violence subset Racial/Ethnic.

³⁰⁵⁸ Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.

³⁰⁵⁹ Cross-listed in the Violence subset Racial/Ethnic.

³⁰⁶⁰ Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks, and in the Religious subset.

³⁰⁶¹ Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks.

VIOLENCE--POLITICAL Subset: Secession/Uprising/Revolt/Riot/Mob--Chronological

1. 1677 -- Leaders of Bacon's Rebellion (colonists vs. Gov. Berkeley) hanged in VA --22-23
2. 1712 -- April 06, fear of insurrection of Blacks, Executions, NY, NY -- 21
3. 1771 -- May 16, "Regulators" uprising, Battle of Alamance, near Burlington, NC --26--100
4. 1800 -- Aug 30, Gabriel's Rebellion/Slave Uprising/Mass Hanging, Richmond, VA -- 35
5. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
6. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA --55-65
7. 1836 -- Feb 23-March 6, fall of the Alamo, Texans Revolt from Mexico -- 257
8. 1847 -- Jan 19-20 Mexican/Pueblo Revolt, against U.S. NM occupation, Taos vic. --16-≥19
9. 1848 -- Violence, Vigilante Riot, Jailhouse, Cincinnati, OH -- 11
10. 1854 -- Aug 7-8, Voting Riots, Nativist "Know Nothings" vs. Irish, St. Louis, MO³⁰⁶² -- 10
11. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY³⁰⁶³--22
12. 1859 -- Oct 16-18, John Brown Insurrection, Harper's Ferry, VA, -- 20
13. 1861 -- April 19, Secession Mob Attacks 6th MA & 7th PA Regiments, Baltimore -- 16
14. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY³⁰⁶⁴ --105--120
15. 1866 -- July 30, Racial/Political "Riots", Blacks seeking rights, New Orleans, LA³⁰⁶⁵ --38-48
16. 1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300
17. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana --67-105
18. 1874 -- Apr 30-May 9 "Brooks-Baxter (contending Govs.) War" Little Rock AR -- >200
19. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA³⁰⁶⁶--10-26
20. 1874 -- Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA³⁰⁶⁷ - 27-38
21. 1875 -- Sep 4-6, Racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS³⁰⁶⁸--37-57
22. 1876 -- Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken & Barnwell Co's. SC³⁰⁶⁹ --25-100
23. 1882 -- June, Slave Insurrection Conspiracy Charge, Executions, Charleston, SC -- 35
24. 1884 -- Mar 28-30, Hamilton County Courthouse Riots, Cincinnati, OH³⁰⁷⁰ --45-56
25. 1884 -- Nov 01, Political Riot, Loreauville, Iberia Parish, LA -- ≥18
26. 1898 -- Nov 10, Racial and Political (local coup d'état) Violence, Wilmington, NC --22-26
27. 1950 -- Oct 29-Nov 6,³⁰⁷¹ Independence uprisings multiple locations, Puerto Rico -- ~33

³⁰⁶² Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks.

³⁰⁶³ Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks, and in the Religious subset.

³⁰⁶⁴ Cross-listed in Racial Violence.

³⁰⁶⁵ Cross-listed in the Violence subset Racial/Ethnic.

³⁰⁶⁶ Cross-listed in the Violence subset Racial/Ethnic.

³⁰⁶⁷ Cross-listed in the Violence subset Racial/Ethnic.

³⁰⁶⁸ Cross-listed in Racial Violence. Majority of targets were Black men, in general, and Republican leaders.

³⁰⁶⁹ Cross-listed herein given the strong Democrat versus Republican backdrop and component of this violence.

³⁰⁷⁰ Cross-listed in the Violence subset Racial/Ethnic, in that one source considers it such, but at least one does not.

VIOLENCE – PRISON Riots Subset – Deadliest American – By Mortality

1. 1971 -- Sep 09-13, Attica Prison riot and government re-taking of prison, Attica, NY³⁰⁷²-- 39
 2. 1980 -- Feb 02-03, NM State Penitentiary uprising/inmate killings, near Santa Fe, NM-- ≥33
 3. 1929 -- Oct 3-4, CO State Penitentiary uprising (8 guards, 5 convicts die), Canon City, CO--13
- 1929 -- Dec 11, prison riot, eight convicts and head keeper killed, Auburn Prison, NY³⁰⁷³-- 9

VIOLENCE – PRISON Riots Subset – Deadliest American – Chronological

1. 1929 -- Oct 3-4, CO State Penitentiary uprising (8 guards, 5 convicts die), Canon City, CO--13
1929 -- Dec 11, prison riot, eight convicts and head keeper killed, Auburn Prison, NY³⁰⁷⁴-- 9
2. 1971 -- Sep 9-13, Attica Prison riot and government re-taking of prison, Attica, NY³⁰⁷⁵-- 39
3. 1980 -- Feb 2-3, NM State Penitentiary uprising/inmate killings, near Santa Fe, NM -- ≥33

³⁰⁷¹ Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.

³⁰⁷² Cross-listed in Prison Riots.

³⁰⁷³ Three other convicts were later executed at Sing Sing Prison, NY for their role in the violence.

³⁰⁷⁴ Three other convicts were later executed at Sing Sing Prison, NY for their role in the violence.

³⁰⁷⁵ Cross-listed in Prison Riots.

VIOLENCE – RACIAL/ETHNIC Incidents, Riots, Attacks Subset – By Mortality

1. 1868 -- Sep 28, Opelousas Massacre begins (racial/political), St. Landry Parish, LA--150-300
2. 1917 -- July 1-3, especially July 2, East St. Louis anti-Black race riots, IL --48-200
3. 1919 -- Sep 30-Oct 2, racial violence, Hoop Spur, Elaine vicinity, Phillips Co., AR --100-200
4. 1873 -- Apr 13, racial and political violence, Colfax, Louisiana --67-105
5. 1921 -- May 31-June 1, race riot, whites attack blacks, Greenwood area, Tulsa, OK³⁰⁷⁶--39-100
6. 1831 -- Aug 21-23, Nat Turner slave revolt/massacre of whites, Southampton Co., VA --55-65
7. 1875 -- Sep 4-6, racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS³⁰⁷⁷--37-57
8. 1884 -- Mar 28-30, Hamilton County Courthouse Riot, Cincinnati, OH³⁰⁷⁸ --45-56
9. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC ~32--54
10. 1992 -- Apr 29-May 4, riots following Rodney King verdict, Los Angeles, CA --53-54

11. 1741 -- Mar, alleged slave uprising, blacks burned and hanged, NYC, NY --33-52
12. 1874 -- Dec 07, violence-massacre, whites attack blacks, Vicksburg, MS -- 50
13. 1887 -- Nov 23-25, racial/labor violence, striking sugarcane workers, Thibodaux, LA³⁰⁷⁹--30->50
14. 1866 -- May 1-3, racial riots, Irish police lead riots against blacks, Memphis, TN³⁰⁸⁰ --46-48
15. 1866 -- July 30, racial/political “riots”, blacks seeking rights, New Orleans, LA³⁰⁸¹ --38-48
16. 1968 -- Apr 4-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC, --42-46
17. 1967 -- July 23-26, Detroit racial riots and excessive use of Governmental force, MI -- 43
18. 1906 -- Sep 22-26, race rioting, Atlanta, GA --25-40
19. 1874 -- Sep 14, White League vs. Republican; race/politics battle, New Orleans LA³⁰⁸²--27-38
20. 1919 -- July 27-31 (dates of major rioting and deaths), race riots, Chicago, IL -- 38
21. 1943 -- June 20-22, Detroit Racial Rioting, MI³⁰⁸³ -- 34
22. 1965 -- Aug 11-17, Watts Race Riots, Los Angeles, CA -- 34
23. 1871 -- Mar 06-07 approximately, facial violence, Meridian, MS --25-30
24. 1885 -- Sep 2, massacre, racial/union violence, Chinese miners, Rock Springs WY³⁰⁸⁴ -- 28
25. 1910 -- July 29-30, racial rioting, whites attack blacks, Slocum, TX and vicinity --18-28
26. 1874 -- Aug 30, racial/political Coushatta Massacre, Coushatta to Shreveport, LA³⁰⁸⁵ --10-26
27. 1898 -- Nov 10, racial and political (local coup d'état) violence, Wilmington, NC --22-26
28. 1967 -- July 12-17 (esp. 13th), police violence and racial rioting, Newark, NJ³⁰⁸⁶ --23-26

³⁰⁷⁶ A chapter on the death toll (Clyde Snow) in the report of the 2001 Oklahoma Commission to Study the Tulsa Race Riot of 1921, notes a documented death toll of 39. We have a long footnote in our document on this event accessed via the Spreadsheet which explains why we choose the number 100 as the high-end of our range. Most accounts today report a death toll of up to 300, if not more. The 300 number derives from a 1921 Red Cross report which noted it was one estimate heard, while another was 55, and that the actual number was unknown. The number 300 is a guestimate of the time not based on documentation, nor any other form of actual counting.

³⁰⁷⁷ Cross-listed in Political Violence. Majority of targets were Black men, in general, and Republican leaders.

³⁰⁷⁸ Cross-listed in Political violence subset – mob violence after manslaughter jury verdict rather than murder for a German-American and African-American who had killed a white man. One source (a judge) cited in descriptive section denies that this was an ethnic/racial event, but stemmed from a sense of injustice in the verdict.

³⁰⁷⁹ There were unconfirmed reports of up to 300 fatalities. Cross-listed in Violence – Labor.

³⁰⁸⁰ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Gov. Use of Force.

³⁰⁸¹ Cross-listed in the Violence subset Political.

³⁰⁸² Cross-listed in the Violence subset Political.

³⁰⁸³ Cross-listed in Governmental use of force violence subset in that police killed 17 people, all black.

³⁰⁸⁴ Cross-listed under Violence-Labor, Violence-Massacres, and Violence-Terrorism.

³⁰⁸⁵ Cross-listed in the Violence subset Political.

29. 1910 -- July 03-05, race riots/violence, result of Jack Johnson defeat of Jim Jeffries --18-24
 30. 1855 -- Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville KY³⁰⁸⁷22
 31. 1712 -- Apr 06, violence, fear of insurrection of blacks leads to executions, NY, NY -- 21
 32. 1871 -- Oct 24, racial violence and massacre, Chinatown, Los Angeles, CA -- 21
 33. 1888 -- Aug 16, Racial Violence, White Regulators attack Blacks, Freetown, LA --10-21
 34. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama --16-20
 35. 1911 -- Mar 09-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN -- 20
 36. 1917 -- Aug 23, 24th Infantry (Black)/Camp Logan Mutiny/Racial Riot, Houston, TX -- 20

VIOLENCE – **RACIAL/ETHNIC** Incidents, Riots, Attacks Subset – **MORTALITY**

37. 1863 -- July 13-17, Anti-Draft and Racial Riots, NYC (black subset of 105~120)³⁰⁸⁸ --11-18
 38. 1901 -- Oct 27, Race Riot, Balltown, Washington Parish, LA -- 9-18
 39. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami, FL-- 18
 40. 1868 -- July 15 time-frame, White vs. Black Conflict, Millican, Brazos Co., TX -- 6-15
 41. 1904 -- Mar 23-24, Racial Violence Against Blacks, St. Charles, AR -- 13
 42. 1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre, Carrollton, MS -- 13
 43. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH --10-12
 44. 1900 -- Jul 24-27, Anti-black riots (re. Robert Charles shootings), New Orleans, LA³⁰⁸⁹-- ~12
 45. 1908 -- Aug 14-15, Springfield Race Riot; whites attack blacks, Springfield, IL --10-≥12
 46. 1891 -- Mar 14, Racial Vio., Mob Enters Jail, Kills Italian Prisoners, New Orleans LA-- 11
 47. 1854 -- Aug 07-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO³⁰⁹⁰-- 10
 48. 1889 -- Dec 25, Racial Violence, Jesup, GA --6~10
 49. 2022 -- May 14, hate crime shooting, Top Supermarket, Buffalo, NY -- 10

Other:

- 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
 1923 -- Jan 01-07, Rosewood Rioting, Whites attack Blacks, Rosewood, Levy Co., FL -- ≥8
 1876 -- July 08, whites attack blacks (inc. Co. A, 9th Regiment, SCNG) Hamburg, SC -- 7
 2012 -- Aug 05, Mass Shooting, Sikh Temple of Wisconsin Oak Creek, WI -- 7
 1919 -- July 19-23, Race Riots, Washington, DC -- 6

³⁰⁸⁶ One death was a drug overdose. Have not been able to determine why this was attributed to the rioting. There were twenty-three shooting deaths, an allegedly riot-related heart attack, and a vehicular related death.

³⁰⁸⁷ Cross-listed in the Violence subset Political, and in the Religious subset.

³⁰⁸⁸ Cross-listed in Political Violence.

³⁰⁸⁹ This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.

³⁰⁹⁰ Cross-listed in the Violence subset Political.

VIOLENCE – **RACIAL** Incidents, Riots, Attacks Subset -- **CHRONOLOGICAL**

1. 1712 -- Apr 06, violence, fear of insurrection of blacks leads to executions, NY, NY -- 21
2. 1741 -- Mar, Alleged Slave Uprising, Blacks Burned and Hanged, NYC, NY --33-52

3. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA --55-65
4. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC --~32~54

5. 1854 -- Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO³⁰⁹¹ -- 10
6. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH --10-12
7. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY³⁰⁹²-22
8. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama --16-20

9. 1863 -- July 13-17, Anti-Draft and Racial Riots, NYC (black subset of 105~120)³⁰⁹³ --11-18
10. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN³⁰⁹⁴ --46-48
11. 1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA³⁰⁹⁵ --38-48
12. 1868 -- July 15 time-frame, White vs. Black Conflict, Millican, Brazos Co., TX -- 6-15
13. 1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300

14. 1871 -- Mar 6-7 approximately, Racial Violence, Meridian, MS --25-30
15. 1871 -- Oct 24, Racial Violence and Massacre, Chinatown, Los Angeles, CA -- 21
16. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana --67-105
17. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA³⁰⁹⁶--10-26
18. 1874 -- Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA³⁰⁹⁷ --27-38
19. 1874 -- Dec 07, Violence-Massacre, Whites attack Blacks, Vicksburg, MS -- 50
20. 1875 -- Sep 4-6, Racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS³⁰⁹⁸-37-57
1876 -- July 08, Whites attack blacks (inc. Co. A, 9th Regiment, SCNG) Hamburg, SC-- 7

21. 1884 -- March 28-30, Hamilton County Courthouse Riot, Cincinnati, OH³⁰⁹⁹ --45-56
22. 1885 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY³¹⁰⁰-- 28
23. 1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre, Carrollton, MS -- 13
24. 1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA³¹⁰¹ --30->50
25. 1888 -- Aug 16, Racial Violence, White Regulators attack Blacks, Freetown, LA --10-21
26. 1889 -- Dec 25, Racial Violence, Jesup, GA --6~10

³⁰⁹¹ Cross-listed in Political Violence.

³⁰⁹² Cross-listed in Political Violence, and in the Religious Violence subsets.

³⁰⁹³ Cross-listed in Political Violence.

³⁰⁹⁴ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Gov. Use of Force.

³⁰⁹⁵ Cross-listed in Political Violence.

³⁰⁹⁶ Cross-listed in Political Violence.

³⁰⁹⁷ Cross-listed in Political Violence.

³⁰⁹⁸ Cross-listed in Political Violence. Majority of targets were Black men, in general, and Republican leaders.

³⁰⁹⁹ Cross-listed in Political Violence – mob violence after a jury verdict of manslaughter rather than murder for a German-American and African-American who had killed a white man. One source (a judge) cited in descriptive section denies that this was an ethnic/racial event, but stemmed from a sense of injustice in the verdict.

³¹⁰⁰ Cross-listed under Labor Violence, Violence-Massacres, and Violence-Terrorism.

³¹⁰¹ There were unconfirmed reports of up to 300 fatalities. Cross-listed in Labor Violence.

27. 1891 -- Mar 14, racial violence, mob enters jail, kills Italian prisoners, New Orleans LA-- 11
 28. 1898 -- Nov 10, racial and political (local coup d'état) violence, Wilmington, NC --22-26

VIOLENCE – RACIAL Incidents, Riots, Attacks Subset -- CHRONOLOGICAL

29. 1900 -- Jul 24-27, anti-black riots (re. Robert Charles shootings), New Orleans, LA³¹⁰²-- ~12
 30. 1901 -- Oct 27, race riot, Balltown, Washington Parish, LA -- 9-18
 31. 1904 -- Mar 23-24, racial violence against blacks, St. Charles, AR -- 13
 32. 1906 -- Sep 22-26, racial rioting, Atlanta, GA --25-40
 33. 1908 -- Aug 14-15, Springfield race riot; whites attack blacks, Springfield, IL --10-≥12
34. 1910 -- Jul 03-05, race riots/violence, result of Jack Johnson defeat of Jim Jeffries --18-24
 35. 1910 -- July 29-30, racial rioting, whites attack blacks, Slocum, TX and vicinity --18-28
 36. 1911 -- Mar 09-15, racial strike, Queen & Crescent Rail, KY, TN -- 20
 37. 1917 -- July 01-03, especially July 2, East St. Louis anti-black race riots, IL --48-200
 38. 1917 -- Aug 23, 24th Infantry (black)/Camp Logan mutiny/racial riot, Houston, TX -- 20
 1919 -- July 19-23, race riots, Washington, DC -- 6
 39. 1919 -- July 27-31 (dates of major rioting and deaths), race riots, Chicago, IL -- 38
 40. 1919 -- Sep 30-Oct 2, Elaine race riot/Elaine race massacre, against blacks, Elaine, AK--<100
41. 1921 -- May 31-June 1, race riot, whites attack blacks, Greenwood area, Tulsa, OK³¹⁰³-39-100
 1923 -- Jan 01-07, Rosewood rioting, whites attack blacks, Rosewood, Levy Co., FL -- ≥8
42. 1943 -- June 20-22, Detroit racial rioting, MI³¹⁰⁴ -- 34
 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
43. 1965 -- Aug 11-17, Watts Race Riots, Los Angeles, CA -- 34
 44. 1967 -- July 12-17 (esp. 13th), police violence and racial rioting, Newark, NJ³¹⁰⁵ --23-26
 45. 1967 -- July 23-26, Detroit racial riots and excessive use of Governmental force, MI -- 43
 46. 1968 -- Apr 04-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC --42-46
47. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami FL-- 18
48. 1992 -- Apr 29-May 4, riots following Rodney King verdict, Los Angeles, CA --53-54
- 2012 -- Aug 05, mass shooting, Sikh Temple of Wisconsin Oak Creek, WI -- 7

³¹⁰² This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.

³¹⁰³ A chapter on the death toll (Clyde Snow) in the report of the 2001 Oklahoma Commission to Study the Tulsa Race Riot of 1921, notes a documented death toll of 39. We have a long footnote in our document on this event accessed via the Spreadsheet which explains why we choose the number 100 as the high-end of our range. Most accounts today report a death toll of up to 300, if not more. The 300 number derives from a 1921 Red Cross report which noted it was one estimate heard, while another was 55, and that the actual number was unknown. The number 300 is a guestimate of the time not based on documentation, nor any other form of actual counting.

³¹⁰⁴ Cross-listed in Governmental use of force violence subset in that police killed 17 people, all black.

³¹⁰⁵ One death was a drug overdose. Have not been able to determine why this was attributed to the rioting. There were twenty-three shooting deaths, an allegedly riot-related heart attack, and a vehicular related death.

49. 2022 -- May 14, hate crime shooting, Top Supermarket, Buffalo, NY

-- 10

VIOLENCE -- RELIGIOUS Incidents and Riots Subset -- By Mortality

1. 1863 -- July 11-17, New York Draft Riots -- 100
2. 1871 -- July 12, Boyne Day Parade and Religious “Orange Riot,” NYC -- < 60
3. 1844 -- July 6-8, Anti Irish-Catholic Nativist Riot/Military Response, Philly, PA --15-50
4. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL³¹⁰⁶ --³¹⁰⁷50
5. 1640 -- Violence, Spanish hang Natives for not renouncing their faith, present day NM-- 40
6. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY³¹⁰⁸-22
7. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD³¹⁰⁹-- 19
8. 1838 -- Haun’s Mill (Mormon) Massacre, Caldwell County, MO, October 30 -- 18
9. 1844 -- May 6-8, Riots, Protestant Nativists and Catholic Irish, Philadelphia, PA -- 14

VIOLENCE -- RELIGIOUS Incidents and Riots Subset -- Chronological

1. 1640 -- Violence, Spanish hang Natives for not renouncing their faith, present day NM-- 40
2. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD³¹¹⁰-- 19
3. 1838 -- Haun’s Mill (Mormon) Massacre, Caldwell County, MO, October 30 -- 18
4. 1844 -- May 6-8, Riots, Protestant Nativists and Catholic Irish, Philadelphia, PA -- 14
5. 1844 -- July 6-8, Anti Irish-Catholic Nativist Riot/Military Response, Philly, PA --15-50
6. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY³¹¹¹-22
7. 1863 -- New York Draft Riots, July 11-17 -- 100
8. 1871 -- Boyne Day Parade and Religious “Orange Riot,” NYC, July 12 -- < 60
9. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL³¹¹² --³¹¹³50

³¹⁰⁶ Cross-listed here and in Terrorism (due to radical Islamic terrorism communications). Posted here in that the shooter’s apparent hatred toward gays stems from religious teachings that gays are abominations.

³¹⁰⁷ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

³¹⁰⁸ Cross-listed in the Violence subset Political, and in the Racial/Ethnic subset.

³¹⁰⁹ Cross-listed in Violence subset “Battles.”

³¹¹⁰ Cross-listed in Violence subset “Battles.”

³¹¹¹ Cross-listed in the Violence subset Political, and in the Racial/Ethnic subset.

³¹¹² Cross-listed here and in Terrorism (due to radical Islamic terrorism communications). Posted here in that the shooter’s apparent hatred toward gays stems from religious teachings that gays are abominations.

³¹¹³ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

VIOLENCE – **SABOTAGE** Subset – **By Mortality**

1. 1939 -- Aug 12, Sabotage, Train Derails, South Pacific Railroad Carlin, NV³¹¹⁴ -- 24
2. 1905 -- June 21, Sabotage, Train Derails, Twentieth Century Limited, Mentor, OH³¹¹⁵--19-21
3. 1884 -- Nov 13, Sabotage, Houston & TX Central Train derails, ~Hempstead, TX³¹¹⁶ -- 9-12
4. 1914 -- Sep 18, Sabotage, Train Derailment, Livingston, AL -- 10

Fewer Than Ten Deaths

- 1916 -- July 30, Sabotage, Black Tom Munitions Depot, NY Bay, Jersey City, NJ -- 7
1982 -- Sep 29, Sabotage/Poisoning deaths begin, Tylenol Tampering, Chicago, IL³¹¹⁷-- 7

³¹¹⁴ Cross-listed in Rail.

³¹¹⁵ Cross-listed in Rail.

³¹¹⁶ Cross-listed in Rail.

³¹¹⁷ Cross-listed in Poisoning.

VIOLENCE – SCHOOL SHOOTINGS (and one Bombing) Subset – By Mortality

1.	1927 -- May 18, dynamite bombing, Bath Township Consolidated School, MI ³¹¹⁸	--	46
2.	2007 -- April 16, Virginia Tech shootings, Blacksburg, VA ³¹¹⁹	--	32-33
3.	2012 -- Dec 14, Sandy Hook Elementary School mass shooting, Newtown, CT ³¹²⁰	--	27-28
4.	2022 -- May 24, Robb Elementary School shooting (19 students 2 teachers killed) Uvalde TX-21		
5.	1966 -- Aug 1, Charles Whitman killing spree, Univ. TX-Austin Tower sniper, TX ³¹²¹	--	16-17
6.	2018 -- Feb 14, Marjory Stoneman Douglas High School, school shooting, Parkland FL--		17
7.	1999 -- Apr 20, Columbine High School shooting, Columbine, CO ³¹²²	--	13-15
8.	2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN ³¹²³	--	9-10
9.	2015 -- Oct 1, Umpqua Community College mass shooting, Roseburg, OR ³¹²⁴	--	9-10
10.	2018 -- May 18, Santa Fe High School, school shooting, Santa Fe (near Houston), TX--		10
	1976 -- July 12, California State University Fullerton Library shooting Rampage. CA --		7
	2012 -- Apr 02, Oikos University school shootings, Oakland, CA ³¹²⁵	--	7
	2014 -- May 23, Univ. of California at Santa Barbara mass murder, Isla Vista, CA ³¹²⁶	--	6-7
	1989 -- Jan 17, Cleveland Elementary School shooting, Stockton, CA ³¹²⁷	--	5-6
	1991 -- Nov 01, Gang Lu killing spree, University of Iowa, Iowa City, IA ³¹²⁸	--	5-6
	2006 -- Oct 02, West Nickel Mines School (Amish) shooting, Lancaster County, PA ³¹²⁹	--	5-6
	2008 -- Feb 14, classroom killings, Northern Illinois University, DeKalb, IL ³¹³⁰	--	5-6
	2023 -- Mar 27, shooting, The Covenant Church elementary school, Nashville, TN	--	6
	1998 -- Mar 24, Westside Middle School shootings, Jonesboro, AR ³¹³¹	--	5

³¹¹⁸ Kehoe's bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster's father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of "lingering injuries." Cross-listed in Violence subset School Shootings/Bombings.

³¹¹⁹ Shooter killed 32 students and faculty; then committed suicide. Thus "33" includes the shooter.

³¹²⁰ Shooter killed 27 – 20 children & 6 adults at the school, plus his mother at home. Then committed suicide (#28).

³¹²¹ Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

³¹²² Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

³¹²³ Nine killed -- shooter's grandfather and grandfather's girlfriend, a security guard at Red Lake High School, 5 high school students and one teacher, before 16-year-old high school student shooter committed suicide.

³¹²⁴ The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.

³¹²⁵ Cross-listed in Rampage Shootings

³¹²⁶ Six students were shot or stabbed to death before the killer shot himself in the head.

³¹²⁷ Five children, ages 6-9, were killed before gunman killed himself. The question for some is does one count the murderer as a victim of this tragedy as well? The one person range in the sources reflect this question, with the exception of a source which incorrectly notes the death of one teacher (one teacher was injured.)

³¹²⁸ Four University of Iowa faculty and one student killed before gunman commits suicide.

³¹²⁹ Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

³¹³⁰ Five student victims and the gunman suicide.

³¹³¹ The two Westside School students killed four fellow students and one teacher, wounding 10 others.

VIOLENCE – SCHOOL SHOOTINGS (and one Bombing) Subset – Chronological

1. 1927 -- May 18, dynamite bombing, Bath Township Consolidated School, MI³¹³² -- 46
2. 1966 -- Aug 01, Charles Whitman killing spree, Univ. TX-Austin Tower Sniper³¹³³ --16-17
- 1976 -- July 12, California State University Fullerton Library shooting rampage -- 7
- 1989 -- Jan 17, school shooting, Cleveland Elementary School, Stockton, CA³¹³⁴ -- 5-6
- 1991 -- Nov 01, Gang Lu school killing spree, University of Iowa, Iowa City, IA³¹³⁵ -- 5-6
- 1998 -- Mar 24, Westside Middle School shootings, Jonesboro, AR³¹³⁶ -- 5
3. 1999 -- April 20, Columbine High School shooting, Columbine, CO³¹³⁷ --13-15
4. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN³¹³⁸ -- 9-10
- 2006 -- Oct 2, West Nickel Mines School (Amish) shooting, Lancaster County, PA³¹³⁹-- 5-6
5. 2007 -- Apr 16, Virginia Tech shootings, Blacksburg, VA³¹⁴⁰ --32-33
- 2008 -- Feb 14, classroom killings, Northern Illinois University, DeKalb, IL³¹⁴¹ -- 5-6
- 2012 -- Apr 02, school shootings, Oikos University, Oakland, CA³¹⁴² -- 7
6. 2012 -- Dec 14, mass shooting, Sandy Hook Elementary School, Newtown, CT³¹⁴³ --27-28
- 2014 -- May 23, mass murder, Univ. of California at Santa Barbara, Isla Vista, CA³¹⁴⁴-- 6-7
7. 2015 -- Oct 01, mass shooting, Umpqua Community College, Roseburg, OR³¹⁴⁵ -- 9-10
8. 2018 -- Feb 14, school shooting, Marjory Stoneman Douglas High Sch., Parkland, FL -- 17
9. 2018 -- May 18, school shooting, Santa Fe High School, Santa Fe (near Houston), TX-- 10
10. 2022 -- May 24, Robb Elementary School shooting (19 students 2 teachers killed) Uvalde TX-21
- 2023 -- Mar 27, shooting, The Covenant Church elementary school, Nashville, TN -- 6

³¹³² Kehoe's bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster's father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of "lingering injuries." Cross-listed in Violence subset School Shootings/Bombings.

³¹³³ Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

³¹³⁴ Five children, ages 6-9, before gunman killed himself. The question for some is does one count the murderer as a victim of this tragedy as well? The one person range in the sources reflect this question, with the exception of a source which incorrectly notes the death of one teacher (one teacher was injured.)

³¹³⁵ Four University of Iowa faculty and one student killed before gunman commits suicide.

³¹³⁶ The two Westside School students killed four fellow students and one teacher, wounding 10 others.

³¹³⁷ Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

³¹³⁸ Nine killed -- shooter's grandfather and grandfather's girlfriend, a security guard at Red Lake High School, 5 high school students and one teacher, before 16-year-old high school student shooter committed suicide.

³¹³⁹ Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

³¹⁴⁰ Shooter killed 32 students and faculty; then committed suicide. Thus "33" includes the shooter.

³¹⁴¹ Five student victims and the gunman suicide.

³¹⁴² Cross-listed in Rampage Shootings.

³¹⁴³ Shooter killed 27 – 20 children & 6 adults at the school, plus his mother at home. Then committed suicide (#28).

³¹⁴⁴ Six students were shot or stabbed to death before the killer shot himself in the head.

³¹⁴⁵ The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.

VIOLENCE – SHOOTINGS/GUN VIOLENCE Subset³¹⁴⁶ – **By Mortality**

1. 2017 -- Oct 01, shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV³¹⁴⁷ --58-59
2. 2016 -- June 12 -- shooting/terrorism/hate-crime, gay nightclub, Orlando, FL³¹⁴⁸ --³¹⁴⁹50
3. 2007 -- Apr 16, Virginia Tech shootings, Blacksburg, VA³¹⁵⁰ --32-33
4. 2012 -- Dec 14, mass shooting, Sandy Hook Elementary School, Newtown, CT³¹⁵¹ --27-28
5. 2017 -- Nov 05, mass shooting, First Baptist Church, Sutherland Springs, TX -- 26
6. 1991 -- Oct 16, George Hennard shootings, Luby's Restaurant, Killeen, TX³¹⁵² --23-24
7. 2019 -- Aug 3, white supremacist lone gunman mass shooting, Walmart, El Paso, TX -- 22
8. 1984 -- July 18, mass shooting, James Oliver Huberty, McDonald's, San Ysidro, CA -- 21
9. 2023 -- Oct 26, mass shooting, bowling alley (8) and bar & grill (10), Lewiston, ME -- 18
10. 1966 -- Aug 01, Charles Whitman killing spree, Univ. TX-Austin Tower sniper³¹⁵³ --16-17
11. 2018 -- Feb 14, school shooting, Marjory Stoneman Douglas High School, Parkland, FL-- 17

12. 1987 -- Dec 22, 26, 28, R. Gene Simmons killing spree, Dover & Russellville, AR -- 16
13. 1999 -- April 20, Columbine High School shooting, Columbine, CO³¹⁵⁴ --13-15
14. 1986 -- Aug 20, postal worker Pat Sherrill mass shooting, Post Office, Edmond, OK³¹⁵⁵-- 14
15. 2009 -- April 3, mass shooting, Immigration Services Center, Binghamton, NY³¹⁵⁶ --13-14
16. 2015 -- Dec 2, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³¹⁵⁷-- 14
17. 1949 -- Sep 06, Howard Barton Unruh rampage mass shooting, Camden, NJ³¹⁵⁸ -- 13
18. 1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA -- 13
19. 1983 -- Feb 19, mass shootings (13 of 14), Wah Mee Club, Seattle "Chinatown", WA -- 13
20. 2009 -- Nov 05, mass shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³¹⁵⁹ -- 13
21. 2013 -- Sep 16, Navy Yard mass shooting, Washington, DC³¹⁶⁰ -- 13
22. 2018 -- Nov 7, mass shooting (12) suicide/1, Borderline Bar & Grill, Thousand Oaks, CA-- 13
23. 1913 -- Sep 28, rampage shooting spree, brothers on cocaine, Lynching, Harriston, MS --11-12
24. 1990 -- June 17-18, violence/shootings, esp. GMAC (18th), Jacksonville, FL³¹⁶¹ --11-12

³¹⁴⁶ Sub-type meant to capture essentially lone-gunman (with exceptions such as Columbine in 1999 and the couple in San Bernardino 2015). Some of these entries will be cross-listed in Violence-School Shootings, and in Violence-Terrorism. We do not include shooting deaths that occurred in such Violence sub-types as Labor-, Racial-, and Religious-Riots violence. See, also, Mass Murder.

³¹⁴⁷ Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.

³¹⁴⁸ Cross-listed here, in Religious (religion based anti-gay hatred) and in Terrorism.

³¹⁴⁹ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

³¹⁵⁰ Shooter killed 32 students and faculty; then committed suicide. Cross-listed in School Shootings.

³¹⁵¹ Shooter killed 27 – 20 children and 6 adults at school, plus his mother at home. Then committed suicide (#28). Cross-listed in Violence subset School Shootings.

³¹⁵² Twenty-three killed by Hennard, who then killed himself.

³¹⁵³ Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed. Cross-listed in Violence subset School Shootings.

³¹⁵⁴ Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

³¹⁵⁵ Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence-Mass Murder.

³¹⁵⁶ Shooter shoots and kills thirteen people and then shoots himself fatally.

³¹⁵⁷ Cross-listed in Violence subset Terrorism.

³¹⁵⁸ Cross-listed in Violence subset Mass Murder.

³¹⁵⁹ Cross-listed in Terrorism.

³¹⁶⁰ Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

25. 2012 -- July 20, James Holmes mass shooting, Century 16 Theater, Aurora, CO	--	12
26. 2019 -- May 31, workplace shooting, Municipal Cen. Bldg. No. 2, Virginia Beach, VA	--	12
27. 1975 -- Mar 30, rampage shooting, James Ruppert kills relatives, Hamilton, OH	--	11
28. 2018 -- Oct 27, mass shooting, Tree of Life Synagogue, Pittsburgh, PA	--	11
29. 2023 -- Jan 21, Lunar New Year mass shooting, Dance Studio, Monterey Park, CA	--	11

VIOLENCE – SHOOTINGS/Gun Violence Subset – By Mortality

30. 1984 -- Apr 15, mass shooting, Christopher Thomas “Palm Sunday Massacre,” NY, NY	--	10
31. 1999 -- July 27-29, Mark Barton mass murder shooting(9)/killing spree (12), Atlanta ³¹⁶²	--	9-10
32. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN	-- ³¹⁶³	9-10
33. 2008 -- Dec 24, Pardo mass shooting of wife, in-laws, self & arson deaths, Covina, CA	--	10
34. 2009 -- Mar 10, McLendon shooting spree, Geneva County, AL	--	10
35. 2018 -- May 18, school shooting, Santa Fe High School, Santa Fe (near Houston), TX	--	10
36. 2019 -- Aug 04, mass shooting outside bar (9 deaths), police kill shooter, Dayton, OH	--	10
37. 2021 -- Mar 22, Ahmad Alissa mass shooting, King Soopers grocery, Boulder, CO	--	10
38. 2021 -- May 16, mass shooting/9 and suicide, San Jose Light Rail Yard, San Jose, CA	--	10
39. 2022 -- May 14, hate crime shooting, Top Supermarket, Buffalo, NY	--	10

Other Events (fewer than ten deaths):

1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT	--	9
1982 -- Aug 20, rampage shooting (8), mentally disturbed man (killed), Miami, FL ³¹⁶⁴	--	9
1989 -- Sep 14, assault rifle workplace mass murder (8)/suicide, Louisville, KY	--	9
2010 -- Aug 03, workplace shootings, worker kills 8 coworkers/self, Manchester, CT	--	9
2015 -- May 17, biker-gangs/police shoot-out at Twin Peaks restaurant, Waco, TX	--	9
2021 -- Apr 15, mass-shooting/8, and suicide, FedEx facility ~Indianapolis Airport, IN	--	9
2023 -- May 6, mass shooting, Allen Premium Outlets Mall, Allen, TX (includes gunman)	--	9
1971 -- June 14, “dope den” “execution style” shootings, motel room, Detroit, MI	--	8
1987 -- July 11-12, man shoots wife, two children, his parents, in-laws, Federal Way, WA	--	8
1987 -- Dec 22, 26, 28, R. Gene Simmons killing spree, Dover & Russellville, AR ³¹⁶⁵	--	8
2019 -- Aug 31, shooting rampage (7 killed by shooter), Midland-Odessa area, TX	--	8
2021 -- Mar 16, mass shootings, two Atlanta, one Cherokee County Spas, GA	--	8
1915 -- Mar 06, Monroe Phillips shooting rampage (kills 6, is shot) Brunswick, GA	--	7
1929 -- Feb 14, St. Valentine’s Day Massacre, Capone gang vs. Moran gang, Chicago, IL	--	7
1976 -- July 12, California State Univ. Fullerton Library custodian shooting rampage, CA	--	7

³¹⁶¹ James Edward Pough shot and killed two people on 17th. Next day he killed six at the GM scene, then himself.

Three died later. Thus nine died as result of June 18 attack. In all there were 11 murders and one suicide.

³¹⁶² Barton shot nine people before shooting himself (thus the 10th gunshot fatality). Before these shootings he killed his wife and two children by hammer blows to the head in their sleep.

³¹⁶³ Nine killed -- shooter’s grandfather and grandfather’s girlfriend, a security guard at Red Lake High School, 5 high school students and one teacher, before 16-year-old high school student shooter committed suicide.

³¹⁶⁴ Cross-listed in Violence subset of Mass Murder.

³¹⁶⁵ Cross-listed in Violence-Mass Murder. Simmons drowned one and strangled seven others, for a total of 16.

1988 -- Feb 16, Richard Wade Farley workplace shootings. ESL Inc., Sunnyvale, CA	--	7
1999 -- Nov 02, workplace mass murder shootings, Xerox, Honolulu, HI	--	7
2014 -- May 23, mass murder, University of California at Santa Barbara, Isla Vista, CA ³¹⁶⁶ --		7
2006 -- Mar 26, mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA ³¹⁶⁷	--	7
2008 -- Feb 15, classroom killings/suicide, Northern IL University, DeKalb, IL	--	7
2012 -- Apr 02, school shootings, Oikos University, Oakland, CA	--	7
2020 -- Sep 06, mass shooting/Laotians, marijuana growing house, Aguanga, CA	--	7
2022 -- July 04, Sniper shoots parade spectators from building roof, Highland Par, IL	--	7
2023 -- Jan 23, mass shootings, mushroom farm and trucking facility, Half Moon Bay, CA--		7

VIOLENCE – **SHOOTINGS/Gun Violence Subset** – **By Mortality** (continued):

1982 -- July 2, wife, children, mother-in-law shot (5), suicide, Thompson falls, MT	--	6
1991 -- Nov 1, Gang Lu killing spree, University of Iowa, Iowa City, IA ³¹⁶⁸	--	5-6
1996 -- Feb 09, fired city worker shoots five former coworkers, self, Fort Lauderdale, FL ³¹⁶⁹ --		5-6
2006 -- Oct 02, West Nickel Mines School (Amish) shooting, Lancaster County, PA ³¹⁷⁰	--	6
2011 -- Jan 8, mass shooting (inc. Gabby Giffords), grocery parking lot, Casas Adobes, AZ--		6
2016 -- Feb 20, Uber driver random mass shootings, Kalamazoo, MI	--	6
2019 -- Feb 15, workplace shooting; five killed by shooter, shooter killed, Aurora, IL	--	6
2023 -- Mar 27, shooting, The Covenant Church elementary school, Nashville, TN	--	6
1856 -- May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin Co., KS--		5
1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS	--	5
1933 -- June 17, shooting murder of four law officers plus prisoner, Kansas City, MO	--	5
2023 -- Apr 10, workplace mass shooting, Old National Bank, Louisville, KY	--	5

³¹⁶⁶ Six students shot or stabbed to death before the killer shot himself in the head. Cross-listed in School Shootings.

³¹⁶⁷ The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

³¹⁶⁸ Four University of Iowa faculty and one student killed before gunman commits suicide.

³¹⁶⁹ Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.

³¹⁷⁰ Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

VIOLENCE – SHOOTINGS/Gun Violence Subset³¹⁷¹ – Chronological

- 1856 -- May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin Co., KS-5
 1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS-- 5
1. 1913 -- Sep 28, Mass Murder Shooting Spree, Lynching, Harriston, MS --11-12
 1915 -- March 6, Monroe Phillips Shooting Rampage (kills 6, is shot) Brunswick, GA-- 7
 - 1929 -- Feb 14, St. Valentine’s Day Massacre, Capone gang vs. Moran gang, Chicago, IL-- 7
 1933 -- June 17, Shooting murder of four law officers plus prisoner, Kansas City, MO-- 5
 - 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
 2. 1949 -- Sep 06, Howard Barton Unruh Rampage Mass Shooting, Camden, NJ -- 13
 3. 1966 -- Aug 01, Charles Whitman killing spree, Univ. TX-Austin Tower Sniper³¹⁷² --16-17
 1971 -- June 14, “dope den” “execution style” shooting, motel room, Detroit, MI -- 8
 4. 1975 -- Mar 30, rampage shooting, James Ruppert kills relatives, Hamilton, OH -- 11
 1976 -- July 12, California State University Fullerton Library shooting rampage -- 7
 - 1982 -- July 02, wife, children, mother-in-law shot (5), suicide, Thompson falls, MT -- 6
 1982 -- Aug 20, rampage shooting (8), mentally disturbed man (killed), Miami, FL -- 9
 5. 1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA -- 13
 6. 1983 -- Feb 19, fatal shootings (13 of 14), Wah Mee Club, Seattle “Chinatown”, WA -- 13
 7. 1984 -- Apr 15, mass shooting, Christopher Thomas “Palm Sunday Massacre,” NY, NY-- 10
 8. 1984 -- July 18, mass shooting, James Oliver Huberty, McDonald’s, San Ysidro, CA -- 21
 9. 1986 -- Aug 20, postal worker Pat Sherrill mass shooting, Post Office, Edmond, OK³¹⁷³-- 14
 1987 -- July 11-12, man shoots wife, two children, parents, in-laws, Federal Way, WA-- 8
 10. 1987 -- Dec 22, 26, 28, R. Gene Simmons killing spree, Dover & Russellville, AR -- 16
 1988 -- Feb 16, Richard Wade Farley workplace shootings. ESL Inc., Sunnyvale, CA -- 7
 1989 -- Sep 14, assault rifle workplace mass murder (8)/suicide, Louisville, KY -- 9
 11. 1990 -- June 17-18, shootings, esp. GMAC (18th), Jacksonville, FL³¹⁷⁴ --11-12
 12. 1991 -- Oct 16, George Hennard shootings, Luby’s Restaurant, Killeen, TX³¹⁷⁵ --23-24
 1991 -- Nov 01, Gang Lu killing spree, University of Iowa, Iowa City, IA³¹⁷⁶ -- 5-6
 1996 -- Feb 9, fired city worker shoots five former coworkers, self, Fort Lauderdale, FL³¹⁷⁷-5-6

³¹⁷¹ Sub-type captures essentially lone-gunmen (exceptions such as Columbine in 1999 and San Bernardino couple 2015). Some entries will be cross-listed in Violence-School Shootings, and in Violence-Terrorism. Do not include shooting deaths that occurred in such Violence sub-types as Labor-, Racial-, and Religious-Riots violence.

³¹⁷² Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed. Cross-listed in Violence-Mass Murder.

³¹⁷³ Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15.

³¹⁷⁴ James Edward Pough shot and killed two people on 17th. Next day killed six at the GM scene, then himself. Three died later. Thus nine died as result of June 18 attack. In all there were 11 murders and one suicide.

³¹⁷⁵ Twenty-three killed by Hennard, who then killed himself.

³¹⁷⁶ Four University of Iowa faculty and one student killed before gunman commits suicide, for the 6th final death.

³¹⁷⁷ Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.

VIOLENCE – SHOOTINGS/Gun Violence Subset – Chronological (continued):

13. 1999 -- Apr 20, Columbine High School shooting, Columbine, CO³¹⁷⁸ --13-15
14. 1999 -- Jul 27-29, Mark Barton mass murder shooting(9)/killing spree (12), Atlanta³¹⁷⁹-- 9-10
 1999 -- Nov 02, workplace mass murder shootings, at Xerox, Honolulu, HI -- 7
15. 2005 -- Mar 21, 16-year-old killing spree, Red Lake H.S. & vic., Red Lake, MN³¹⁸⁰ --9-10
- 2006 -- Mar 26, mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA³¹⁸¹-- 7
 2006 -- Oct 02, West Nickel Mines School (Amish) shooting, Lancaster County, PA³¹⁸²-- 6
16. 2007 -- Apr 16, Virginia Tech shootings, Blacksburg, VA³¹⁸³ --32-33
- 2008 -- Feb 15, classroom killings/suicide, Northern Illinois University, DeKalb, IL -- 7
17. 2008 -- Dec 24, Pardo mass shooting of wife, in-laws, self & arson deaths, Covina, CA-- 10
18. 2009 -- Mar 10, mass murder, McLendon shooting spree, Geneva County, AL -- 10
19. 2009 -- Apr 03, mass killings, Immigration Services Center, Binghamton, NY³¹⁸⁴ --13-14
20. 2009 -- Nov 05, mass shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³¹⁸⁵ -- 13
- 2010 -- Aug 03, workplace shootings, worker kills 8 coworkers/self, Manchester, CT -- 9
- 2011 -- Jan 8, mass shooting (inc. Gabby Giffords), grocery parking lot, Casas Adobes, AZ-- 6
- 2012 -- Apr 02, school shootings, Oikos University, Oakland, CA³¹⁸⁶ -- 7
21. 2012 -- July 20, James Holmes mass shooting, Century 16 Theater, Aurora, CO -- 12
22. 2012 -- Dec 14, mass shooting, Sandy Hook Elementary School, Newtown, CT³¹⁸⁷ --27-28
23. 2013 -- Sep 16, Navy Yard mass shooting, Washington, DC³¹⁸⁸ -- 13
- 2014 -- May 23, mass murder, Univ. of California at Santa Barbara, Isla Vista, CA³¹⁸⁹-- 7
- 2015 -- May 17, biker-gangs/police shoot-out, Twin Peaks restaurant, Waco, TX -- 9
24. 2015 -- Dec 02, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³¹⁹⁰-- 14

³¹⁷⁸ Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

³¹⁷⁹ Barton shot nine people before shooting himself (thus the 10th gunshot fatality). Before these shootings he killed his wife and two children by hammer blows to the head in their sleep.

³¹⁸⁰ Nine killed -- shooter's grandfather and grandfather's girlfriend, a security guard at Red Lake High School, 5 high school students and one teacher, before 16-year-old high school student shooter committed suicide.

³¹⁸¹ The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

³¹⁸² Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

³¹⁸³ Shooter killed 32 students and faculty; then committed suicide. Thus "33" includes the shooter.

³¹⁸⁴ Shooter shoots and kills thirteen people and then shoots himself fatally.

³¹⁸⁵ Cross-listed in Terrorism.

³¹⁸⁶ Cross-listed in School Shootings/Bombing.

³¹⁸⁷ Shooter killed 27 – 20 children and 6 adults at the school, plus his mother at home. Committed suicide (#28).

³¹⁸⁸ Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

³¹⁸⁹ Six students shot or stabbed to death before the killer shot himself in the head. Cross-listed in School Shootings.

- 2016 -- Feb 20, Uber driver random mass shootings, Kalamazoo, MI -- 6
 25. 2016 -- June 12, shooting/terrorism/hate-crime, Gay Nightclub, Orlando, FL³¹⁹¹ --³¹⁹²50

VIOLENCE – SHOOTINGS/Gun Violence Subset – Chronological (continued):

26. 2017 -- Oct 01, shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV³¹⁹³ --58-59
 27. 2017 -- Nov 05, mass shooting, First Baptist Church, Sutherland Springs, TX -- 26
28. 2018 -- Feb 14, school shooting, Marjory Stoneman Douglas High School, Parkland, FL-- 17
 29. 2018 -- May 18, school shooting, Santa Fe High School, Santa Fe (near Houston), TX-- 10
 30. 2018 -- Oct 27, mass shooting, Tree of Life Synagogue, Pittsburgh, PA -- 11
 31. 2018 -- Nov 07, mass shooting (12) suicide/1, Borderline Bar & Grill, Thousand Oaks, CA-- 13
- 2019 -- Feb 15, workplace shooting; five killed by shooter, shooter killed, Aurora, IL -- 6
 32. 2019 -- May 31, workplace shooting, Municipal Cen. Bldg. No. 2, Virginia Beach, VA-- 12
 33. 2019 -- Aug 03, white supremacist lone gunman mass shooting, Walmart, El Paso, TX-- 22
 34. 2019 -- Aug 04, mass shooting outside bar (9 deaths), police kill shooter, Dayton, OH-- 10
 35. 2019 -- Aug 31, shooting rampage (7 killed by shooter), Midland-Odessa area, TX -- 8
- 2020 -- Sep 06, mass shooting/Laotians, marijuana growing house, Aguanga, CA -- 7
- 2021 -- Mar 16, mass shootings, two Atlanta, one Cherokee County Spas, GA -- 8
 36. 2021 -- Mar 22, Ahmad Alissa mass shooting, King Soopers grocery, Boulder, CO -- 10
 2021 -- Apr 15, mass-shooting/8, and suicide, FedEx facility ~Indianapolis Airport, IN-- 9
 37. 2021 -- May 16, mass shooting/9 and suicide, San Jose Light Rail Yard, San Jose, CA-- 10
38. 2022 -- May 14, racist hate crime shooting, Top Supermarket, Buffalo, NY -- 10
 2022 -- July 04, sniper shoots parade spectators from building roof, Highland Park, IL-- 7
39. 2023 -- Jan 21, Lunar New Year mass shooting, Star Dance Studio, Monterey Park, CA-- 11
 2023 -- Jan 23, mass shootings, mushroom farm and trucking facility, Half Moon Bay, CA--7
 2023 -- Mar 27, shooting, The Covenant Church elementary school, Nashville, TN -- 6
 2023 -- Apr 10, workplace mass shooting, Old National Bank, Louisville, KY -- 5
 2023 -- May 06, mass shooting, Allen Premium Outlets Mall, Allen, TX (includes gunman)-- 9
 40. 2023 -- Oct 26, mass shooting, bowling alley (8) and bar & grill (10), Lewiston, ME -- 18
 41.

³¹⁹⁰ Cross-listed in Violence subset Terrorism.

³¹⁹¹ Cross-listed here, in Religious (religion based anti-gay hatred) and in Terrorism.

³¹⁹² Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

³¹⁹³ Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.

VIOLENCE – SHOOTOUT

1. 1993 -- Feb 28, Shootout, Large ATF force attempts to serve David Koresh, Waco, TX³¹⁹⁴-- 10

³¹⁹⁴ See April 19, 1993 for FBI/ATF attack, wherein 75 Davidians (including 25 children) died.

VIOLENCE -- TERRORISM (domestic and foreign) Subset -- By MORTALITY

1. 2001 -- Sep 11, 9/11 terrorist attacks, WTC (NYC), Pentagon, Shanksville, PA ---3,064
2001 -- Sep 11, World Trade Center, American 11 and United 175, NY³¹⁹⁵ --2,830
2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA³¹⁹⁶ -- 189
2001 -- Sep 11, United Airlines N591UA plane crash Shanksville, PA³¹⁹⁷ -- 45
2. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland³¹⁹⁸ --(189 U.S.) 270
3. 1983 -- Oct 23, terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon -- 241
4. 1995 -- Apr 19, bombing, Alfred P. Murrah Federal Building, Oklahoma City, OK³¹⁹⁹-- 168
5. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88
6. 1983 -- Apr 18, terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
7. 2016 -- June 12, shooting/terrorism/hate-crime, Gay Nightclub, Orlando, FL³²⁰⁰ --³²⁰¹50
8. 1920 -- Sep 16, Anarchist bombing mass murder, Wall St. Terrorist Attack, NY³²⁰² --30-38
9. 1885 -- Sep 02, massacre, racial/union violence, Chinese miners, Rock Springs WY³²⁰³-- 28
10. 2000 -- Oct 12, suicide terrorism, USS *Cole* bombed, Port of Aden, Yemen -- 17
11. 2015 -- Dec 2, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³²⁰⁴-- 14
12. 2009 -- Nov 05, mass shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³²⁰⁵ -- 13
13. 2021 -- Aug 26, ISIS-K suicide bomb kills US military members, Kabul Afghanistan AP-- 13
14. 1917 -- Nov 24, bomb explosion, Central Police Station, Milwaukee, WI -- 10
15. 2002 -- Oct 2-24, DC Beltway Sniper killings -- 10

Other:

1. 2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
2. 1993 -- Feb 26, World Trade Center terrorism bombing, NY, NY -- 6
3. 2001 -- Sep 18-Nov 21, Terrorism, anthrax Letters, DC FL GA MD NJ NY VA -- 5
4. 1918 -- Sep 04, bomb explosion/terrorism, Federal Building, Chicago, IL -- 4
5. 1975 -- Jan 24, Fraunces Tavern FALN Terrorist Bomb, NYC, -- 4
6. 2013 -- Apr 15, Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA -- 4
7. 1974 -- Aug 06, Los Angeles Int. Airport bomb, near Pan Am overseas check-in, CA -- 3
8. 1978-1995 -- Unabomber Mail Bombings & Terrorism -- 3
9. 1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC-- 2
10. 1993 -- Jan 25, CIA HQ Shootings, Aimal Kasi, Route 123, Langley, VA -- 2
11. 1977 -- Aug 03, terrorism, Puerto Rican F.A.L.N bombings/2 bldgs., Manhattan, NY -- 1
12. 1997 -- Feb 23, Middle East Terrorism, Shooting, Empire State Building, NYC, NY -- 1
13. 1998 -- Jan 29, Abortion Clinic Bombing, (Eric Rudolph), Birmingham, AL -- 1
14. 1954 -- Mar 1, Puerto Rican Nationalists shoot 5, floor of US House of Representatives-- 0

³¹⁹⁵ Cross-listed in Aviation.

³¹⁹⁶ Cross-listed in Aviation.

³¹⁹⁷ Cross-listed in Aviation.

³¹⁹⁸ Sub-listed in Terrorism and cross-listed in Aviation.

³¹⁹⁹ Cross-listed in Violence – Bombings, and in Violence-Mass Murder.

³²⁰⁰ Cross-listed here, in Shootings, and in Religious (religion based anti-gay hatred).

³²⁰¹ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

³²⁰² Cross-listed in Violence-Bombing, and in Violence-Mass Murder.

³²⁰³ Cross-listed in Violence-Labor, Violence-Massacres, and Violence-Terrorism.

³²⁰⁴ Cross-listed in Violence-Mass Murder.

³²⁰⁵ Cross-listed in Violence-Rampage Shootings.

VIOLENCE -- TERRORISM (domestic and foreign) Subset -- CHRONOLOGICAL

1. 1885 -- Sep 2, massacre, racial/union violence, Chinese miners, Rock Springs WY³²⁰⁶-- 28
2. 1917 -- Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI -- 10
1918 -- Sep 04, Bomb Explosion Federal Building, Chicago, IL -- 4
3. 1920 -- Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY³²⁰⁷ --30-38

1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC-- 2
1954 -- Mar 1, Puerto Rican Nationalists shoot 5, floor of US House of Representatives-- 0

1974 -- Aug 06, Los Angeles Int. Airport bomb, near Pan Am overseas check-in, CA -- 3
4. 1974 -- Sep 08, TWA Flight 841, Tel Aviv to NYC, terrorist bomb, Ionian Sea --US 20 of 88
1975 -- Jan 24, Fraunces Tavern FALN Terrorist Bomb, NYC, -- 4
1977 -- Aug 03, terrorism, Puerto Rican F.A.L.N bombings/2 bldgs., Manhattan, NY -- 1

1978-1995 -- Unabomber Mail bombings & terrorism -- 3
5. 1983 -- Apr 18, terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
6. 1983 -- Oct 23, terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon -- 241
7. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland³²⁰⁸ --(189 U.S.) 270

1993 -- Jan 25, CIA Headquarters shootings, Aimal Kasi, Route 123, Langley, VA -- 2
1993 -- Feb 26, World Trade Center terrorism bombing, NY, NY -- 6
8. 1995 -- Apr 19, bombing, Alfred P. Murrah Federal Building, Oklahoma City, OK³²⁰⁹-- 168
1997 -- Feb 23, Middle East terrorism, shooting, Empire State Building, NYC, NY -- 1
1998 -- Jan 29, abortion clinic bombing, (Eric Rudolph), Birmingham, AL -- 1
9. 2000 -- Oct 12, suicide terrorism, USS *Cole* Bombed, Port of Aden, Yemen -- 17
10. 2001 -- Sep 11, 9/11 terrorist attacks, WTC (NYC), Pentagon, Shanksville, PA ---~3,064
2001 -- Sep 11, World Trade Center, American 11 and United 175, NY³²¹⁰ --2,830
2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA (also Aviation)--189
2001 -- Sep 11, United Airlines crash Shanksville, PA (also in aviation) -- 45
2001 -- Sep 18-Oct 15 anthrax Letters Terrorist Attack -- 5
11. 2002 -- Oct 2-24, DC beltway sniper killings -- 10
12. 2009 -- Nov 05, mass shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³²¹¹ -- 13

2013 -- Apr 15, terrorism, Boston Marathon bombs, MIT officer killed Apr 19, MA -- 4
13. 2015 -- Dec 2, terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³²¹²-- 14
14. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL³²¹³ --³²¹⁴50

³²⁰⁶ Cross-listed in Violence-Labor, Violence-Massacres, and Violence-Terrorism.

³²⁰⁷ Cross-listed in Violence-Bombing, and in Violence-Mass Murder.

³²⁰⁸ Sub-listed in Terrorism and cross-listed in Aviation.

³²⁰⁹ Cross-listed in Violence – Bombings, and in Violence-Mass Murder.

³²¹⁰ Cross-listed in Aviation.

³²¹¹ Cross-listed in Violence-Rampage Shootings.

³²¹² Cross-listed in Violence-Mass Murder.

- 2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
15. 2021 -- Aug 26, ISIS-K suicide bomb kills US military members, Kabul Afghanistan AP-- 13

³²¹³ Cross-listed here, in Shootings, and in Religious (religion based anti-gay hatred).

³²¹⁴ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

TERRORISM (Internationally conducted or inspired) -- By Mortality

1. 2001 -- Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA ---3,064
2001 -- Sep 11, World Trade Center, American 11 and United 175, NY³²¹⁵ --2,830
2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA³²¹⁶ -- 189
2001 -- Sep 11, United Airlines N591UA Crash Shanksville, PA³²¹⁷ -- 45
 2. 1988 -- Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland--³²¹⁸ (189 U.S.) 270
 3. 1984 -- June 7, Terrorism, Marine Barracks Attacked, Lebanon -- 253
 4. 1983 -- Apr 18, Terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
 5. 2000 -- Oct 12, Suicide Terrorism, USS *Cole* Bombed, Port of Aden, Yemen³²¹⁹ -- 17
 6. 2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³²²⁰-- 14
 7. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³²²¹ -- 13
 8. 2021 -- Aug 26, ISIS-K suicide bomb kills US military members, Kabul Afghanistan AP-- 13
-
- 2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
 - 1993 -- Feb 26, World Trade Center Terrorism Bombing, NY, NY³²²² -- 6
 - 1918 -- Sep 04, Bomb Explosion, Federal Building, Chicago, IL³²²³ -- 4
 - 1975 -- Jan 24, Fraunces Tavern FALN Terrorist Bomb, NYC, -- 4
 - 2013 -- Apr 15, Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA -- 4
 - 1974 -- Aug 6, Bombing, LA Int. Airport, near Pan AM Overseas Check-in, CA -- 3
 - 1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC-- 2
 - 1993 -- Jan 25, CIA HQ Shootings, Ainal Kasi, Route 123, Langley, VA -- 2
 - 1997 -- Feb 23, Middle East Terrorism, Shooting, Empire State Building, NYC, NY -- 1

³²¹⁵ Cross-listed in Aviation.

³²¹⁶ Cross-listed in Aviation.

³²¹⁷ Cross-listed in Aviation.

³²¹⁸ Sub-listed in Terrorism and cross-listed in Aviation.

³²¹⁹ Cross-listed in Violence-Bombings.

³²²⁰ Cross-listed in Violence-Mass Murder.

³²²¹ Cross-listed in Violence-Rampage Shootings.

³²²² Cross-listed in Violence-Bombings.

³²²³ Cross-listed in Violence-Bombings.

TERRORISM (Internationally conducted or inspired) -- Chronological

- 1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC-- 2
1974 -- Aug 6, Bombing, LA Int. Airport, near Pan AM Overseas Check-in, CA -- 3
1. 1975 -- Jan 24, Fraunces Tavern FALN Terrorist Bomb, NYC, -- 4
 2. 1983 -- Apr 18, Terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
 3. 1984 -- June 7, Terrorism, Marine Barracks Attacked, Lebanon -- 253
 4. 1988 -- Dec 21, Pan Am Flight 103 blown-up over Lockerbie, Scotland³²²⁴ --(189 U.S.) 270
- 1993 -- Jan 25, CIA Headquarters-area shootings, Aimal Kasi, Route 123, Langley, VA-- 2
1993 -- Feb 26, World Trade Center Terrorism Bombing, NY, NY³²²⁵ -- 6
1997 -- Feb 23, Middle East Terrorism, Shooting, Empire State Building, NYC, NY -- 1
5. 2000 -- Oct 12, Suicide Terrorism, USS *Cole* Bombed, Port of Aden, Yemen³²²⁶ -- 17
 6. 2001 -- Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA ---~3,069
2001 -- Sep 11, World Trade Center, American 11 and United 175, NY³²²⁷ --2,830
2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA³²²⁸ -- 189
2001 -- Sep 11, United Airlines N591UA Crash Shanksville, PA³²²⁹ -- 45
 7. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³²³⁰ -- 13
- 2013 -- Apr 15, Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA -- 4
8. 2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA³²³¹-- 14
2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
 9. 2021 -- Aug 26, ISIS-K suicide bomb kills US military members, Kabul Afghanistan AP-- 13

³²²⁴ Sub-listed in Terrorism and cross-listed in Aviation.

³²²⁵ Cross-listed in Violence-Bombings.

³²²⁶ Cross-listed in Violence-Bombings.

³²²⁷ Cross-listed in Aviation.

³²²⁸ Cross-listed in Aviation.

³²²⁹ Cross-listed in Aviation.

³²³⁰ Cross-listed in Violence-Rampage Shootings.

³²³¹ Cross-listed in Violence-Mass Murder.

Violence – Subset -- Serial Killings (Not Listed in Other Documents) – By Mortality

1.	1982-1998 -- Gary Ridgeway “Green River Killer” Serial Killings, Seattle, Tacoma	-- 48
2.	1988, June 11 to June 18, 2003 – Charles Cullen Hospital Serial Killer, NJ, PA	--35-45
3.	1960’s 1980 -- Gerald Stano, Serial Killings, FL, NJ	-- 41
4.	1983-1986 -- Donald Harvey Serial Killings, Drake Mem. Hosp., Cincinnati, OH	-- 39
5.	1972-1978 -- John Wayne Gacy, Jr. Serial Killings, IL	-- 33
6.	1885-1901 -- Jane Toppan, Serial Killer, MA	-- 31
7.	1965-1977 -- Patrick Kearney “The Freeway Killer” Serial Killings	-- 28
8.	1970-Aug 8, 1973 -- Dean Corll “Candy Man” Serial Killer, Houston, TX	-- 27
9.	1973-1978 -- Ted Bundy Serial Killings, WA, OR, UT, ID, CO, FL	-- 26
10.	1974-1981 -- Ervil Morrell LeBaron orders killings of religious opponents, UT, CA	-- 25
11.	1997-2006 -- Ronald Dominique Serial Killings, Louisiana	-- 23
12.	1920-1929 -- Carl Panzram Serial Killings, OR, NY, MA, CT, MD, PA, KS	-- 22
13.	1979, May 28 to June 2, 1980 -- William George Bonin Freeway Killer, LA, CA	-- 21
14.	1893-1895 --Henry Howard Holmes Serial Killings, Chicago, IN, Philadelphia	-- 20
15.	1900-1909 -- Belle Gunness Serial Killings, IL, IN	-- 20
16.	1926-1927 -- Earle Leonard Nelson 8-Month Killing Spree, U.S. and Canada	-- 20
17.	1974-1982 -- Carl Eugene Watts Serial Killings, MI, TX	-- 19
18.	1974 -- Paul John Knowles, Serial Killings, FL, OH, NV, TX, AL, VA, GA	-- 18
19.	1989-1993 -- Joel Rifkin Serial Killings, New York City, NY	-- 18
20.	1978-1991 -- Jeffrey Dahmer Serial Killer, OH, WI	-- 17
21.	1948-1980 -- Carroll Edward Cole Serial Killer, CA, NV, TX	-- 16
22.	1969-1982 -- Charles Ray Hatcher Serial Killings, MO, CA, IL	-- 16
23.	1971-1983 -- Randy Steven Kraft Serial Killings, CA	-- 16
24.	1980-1983 -- Robert Hansen, Serial Killings, Alaska	-- 15
25.	1950’s-1999 -- David Parker Ray Serial Killings, Truth or Consequences, NM	-- 14
26.	1984-1985 -- Richard Ramirez Serial Killing Spree, CA	-- 14
27.	1972 -- May to January 1990, Arthur Shawcross “The Genesee River Killer,” NY	-- 13
28.	1972, Oct 13-Feb 13, 1973 -- Herbert Mullin Serial Killing Spree, CA	-- 13
29.	1975-1998 -- Robert Lee Yates, Jr. Serial Killings, WA	-- 13
30.	1987-1998 – Chester Turner Serial Killings, Los Angeles, CA	-- 13
31.	1974-1992 -- William Suff, Lake Elsinore Killer, CA	-- 12
32.	1977-1979 -- Bianchi and Buono Hillside Stranglers Serial Killing Spree, LA, CA	-- 12
33.	1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA	-- 12
34.	1983-1985 -- Leonard Lake Serial Killings, CA	-- 12
35.	2000-2002 -- Maury Troy Travis Serial Killings, MO	-- 12
36.	1872-1873 -- Bloody Benders Serial Murders, Labette County, KS	-- 11
37.	1927-1954 -- Nannie Doss Serial Killings, AL, NC, KS, OK	-- 11
38.	1957, Dec 1-Jan 29, 1958--Charles Starkweather/Carol A. Fugate Killing Spree, NE, WY--11	
39.	1953-1982 -- Donald Henry Gaskins, Serial Killings, SC	-- 10
40.	1964-1973 -- Edmund Kemper “The Co-Ed Killer,” Serial Killings, CA	-- 10
41.	1974-1991 -- Dennis Rader “BTK Strangler” Serial Killings, Wichita area, KS	-- 10
42.	1977-1980 -- J.P. Franklin Serial Killings, WI/MO/TN/GA/VA/IN/OH/PA/WV/UT	-- 10
43.	1978-1980 -- Gerald and Charlene Gallego Serial Killing Spree, CA, NV	-- 10
44.	1984 -- May-Nov, Bobby Joe Long Serial Killings of women, Tampa Bay Area, FL	-- ≥10

Violence – Subset -- **Serial Killings** (Not Listed in Other Documents) – **By Mortality**

- 45. 1991 – Dec-Aug 1992, Benjamin Tony Atkins Serial Killings, Detroit -- 10
- 46. 1992 -- May to March 1994, Henry Louis Wallace Serial Killings, Charlotte, NC -- 10

VIOLENCE Subset – **WARS** – Deadliest American – **By MORTALITY**³²³²

1. 1861-65 – Civil War	--558,052
2. 1941-45 -- World War II	--407,316
3. 1914-18 – World War I	--116,708
4. 1959-75 -- Vietnam War	--58,168
5. 1950-53 -- Korean War	--33,651
6. 1846-48 – Mexican War	--13,283
7. 1775-83 – American Revolution	--4,435
8. 1898 – Spanish American War	--2,446
9. 1812-14 – War of 1812	--2,260
10. 1991 -- Gulf War	-- 293

VIOLENCE Subset – **WARS** – Deadliest American – **CHRONOLOGICAL**

1. 1775-83 – American Revolution	--4,435
2. 1812-14 – War of 1812	--2,260
3. 1846-48 – Mexican War	--13,283
4. 1861-65 – Civil War	--558,052
5. 1898 – Spanish American War	--2,446
6. 1914-18 – World War I	--116,708
7. 1941-45 -- World War II	--407,316
8. 1950-53 -- Korean War	--33,651
9. 1959-75 -- Vietnam War	--58,168
10. 1991 -- Gulf War	-- 293

³²³² Table 1, “American War Casualties,” Rosenberg/Peck. “Megadeaths.” P. 223 in Bryant (Ed.). *Handbook of Death & Dying*. 2003. Cites: *American Wars*, 2002.

VIOLENCE Subset -- **WORKPLACE SHOOTINGS** -- **By Mortality**

1. 1986 -- Aug 20, Postal worker Pat Sherrill Mass Shooting, Post Office, Edmond, OK³²³³-- 14
 2. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³²³⁴ -- 13
 3. 2013 -- Sep 16, Navy Yard Mass Shooting, Washington, DC³²³⁵ -- 13
 4. 2019 -- May 31, Workplace shooting, Municipal Cen. Bldg. No. 2, Virginia Beach, VA -- 12
 5. 1999 -- Jul 27-29, Mark Barton Mass Murder Shooting(9)/Killing Spree (12), Atlanta³²³⁶9-10
- 1989 -- Sep 14, Assault Rifle Workplace Mass Murder (8)/Suicide, Louisville, KY -- 9
2010 -- Aug 3, Workplace shootings, worker kills 8 coworkers/self, Manchester, CT -- 9
1976 -- July 12, California State Univ. Fullerton Library custodian shooting rampage, CA-- 7
1988 -- Feb 16, Richard Wade Farley Workplace Shootings. ESL Inc., Sunnyvale, CA -- 7
1999 -- Nov 2, Workplace Mass Murder Shootings, Xerox, Honolulu, HI -- 7
1996 -- Feb 9, Fired city worker shoots five former coworkers, self, Fort Lauderdale, FL³²³⁷ -- 5-6
2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL -- 6

VIOLENCE Subset -- **WORKPLACE SHOOTINGS** -- **Chronological**

- 1976 -- July 12, California State Univ. Fullerton Library custodian shooting rampage, CA-- 7
1. 1986 -- Aug 20, Postal worker Pat Sherrill Mass Shooting, Post Office, Edmond, OK³²³⁸-- 14
 - 1988 -- Feb 16, Richard Wade Farley Workplace Shootings. ESL Inc., Sunnyvale, CA-- 7
 - 1989 -- Sep 14, Assault Rifle Workplace Mass Murder (8)/Suicide, Louisville, KY -- 9
- 1996 -- Feb 9, Fired city worker shoots five former coworkers/self, Fort Lauderdale FL³²³⁹-5-6
2. 1999 -- Jul 27-29, Mark Barton Mass Murder Shooting(9)/Killing Spree (12), Atlanta³²⁴⁰9-10
 - 1999 -- Nov 2, Workplace Mass Murder Shootings, Xerox, Honolulu, HI -- 7
3. 2009 -- Nov 5, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX³²⁴¹ -- 13
- 2010 -- Aug 3, Workplace shootings, worker kills 8 coworkers/self, Manchester, CT -- 9
4. 2013 -- Sep 16, Navy Yard Mass Shooting, Washington, DC³²⁴² -- 13
 - 2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL-- 6
 5. 2019 -- May 31, Workplace shooting, Municipal Cen. Bldg. No. 2, Virginia Beach, VA -- 12

³²³³ Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence-Mass Murder.

³²³⁴ Cross-listed in Terrorism.

³²³⁵ Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

³²³⁶ Barton shot nine people before shooting himself (thus the 10th gunshot fatality). Before these shootings he killed his wife and two children by hammer blows to the head in their sleep.

³²³⁷ Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.

³²³⁸ Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence-Mass Murder.

³²³⁹ Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.

³²⁴⁰ Barton shot nine people before shooting himself (thus the 10th gunshot fatality). Before these shootings he killed his wife and two children by hammer blows to the head in their sleep.

³²⁴¹ Cross-listed in Terrorism.

³²⁴² Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

VOLCANO ERUPTIONS – BY MORTALITY

1. 1790 -- Nov, Kilauea Volcano eruption, Island of Hawai'i, HI -- ≥ 400
2. 1868 -- Apr 2, volcano induced earthquake, landslides/tsunami, Hawaii Isl., HI --79-81
3. 1980 -- May 18, volcano eruption and landslides, Mount St. Helens, WA --55-67

VOLCANO ERUPTIONS – CHRONOLOGICAL

1. 1790 -- Nov, Kilauea Volcano eruption, Island of Hawai'i, HI -- ≥ 400
2. 1868 -- Apr 2, volcano induced earthquake, landslides/tsunami, Hawaii Isl., HI --79-81
3. 1980 -- May 18, volcano eruption and landslides, Mount St. Helens, WA --55-67

WIND STORMS / SEVERE THUNDERSORMS – American -- By MORTALITY

1. 1889 -- Jan 09, windstorm, especially Pittsburgh and Reading, PA --48-61
2. 1922 -- June 11, severe storm, NY and New England, particularly NYC, NY -- 60
3. 1962 -- Oct 12, Columbus Day “Big Blow” wind storm, CA, OR, WA ³²⁴³ -- 52
4. 2011 -- Apr 14-16, storms, wind, tornadoes, flash flood, AL, AR, MS, NC, OK, VA ³²⁴⁴-- 46
5. 1915 -- July 7, tornadoes/7 deaths IL/IN/MO, windstorms, IN/1, KY/1, MO/3, OH/38 -- 50
6. 1886 -- Aug 20, severe storm, TX -- 38
7. 1886 -- May 11, wind storm, Kansas City, MO -- 32
8. 2012 -- Jun 29, derecho, esp. Mid-Atlantic, deaths: DC/KY/MD/OH/NJ/VA --20-24
9. 1955 -- Feb 1, tornadoes/strong winds, Commerce Landing school/20 & Lewisburg/3, NW MS³²⁴⁵-23
10. 1909 -- Apr 060-7, wind storms, MI, MS, NY, PA --18-21
11. 1934 -- Oct 21, windstorm, WA -- 21

12. 1950 -- Mar 26-27, wind and dust storms, SW, Midwest and South, esp. KS/4 and TX/3-- 17
13. 1878 -- July 04, severe weather, wind, downbursts, flash floods ~Pittsburgh PA ³²⁴⁶ -- 15
14. 1981 -- Nov 13-15, windstorms, Pacific Northwest, especially OR/10 and WA/5 -- 15
15. 2006 -- Dec 13-22, windstorm, carbon monoxide poisonings (8), esp. Kings Co. WA³²⁴⁷-- 15
16. 1900 -- Aug 12, thunderstorm, lightning strikes, small crafts capsize, NYC vic. -- 8-14
17. 1902 -- July 20, severe thunderstorm, ~1:30-1:45 pm, Baltimore & vicinity, MD --12-13
18. 1909 -- June 11, wind storm, Haskell, Lueders, Sweetwater, Wichita falls, TX --11-12
19. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA ³²⁴⁸ -- 12
20. 1913 -- Oct 23, thundersqualls, severe local storms, Tornado, southern LA -- ~11
21. 1924 -- Jun 28, severe weather, thunderstorms, tor., flash flooding, ~Pittsburgh PA ³²⁴⁹-- 11
22. 1894 -- Jun 27, windstorm, MN & SD -- 10

Other:

- 1909 -- Apr 21, windstorm, south Lake Erie coastal area, especially, Cleveland, Ohio -- 9
- 1891 -- Jun 26, thunder/wind storm, Patterson Coal bldg. collapse, Mt. Carmel, PA -- 6-7
- 1890 -- Aug 21, thunder/wind storm, streetcar building wall collapse, Philly, PA -- 6
- 1993 -- Jan 20, Inauguration Day wind storm, WA -- 5

³²⁴³ This is a subset of stormy weather Oct 10-13, no. CA, OR, WA and BC, during which 58-75 lives were lost. The broader dates include loss of life due to mudslides, drowning, maritime losses, vehicle accidents on rain-slick roads. This breakout includes 46 Oct 12-related deaths in OR and WA and 6 Oct 12-related deaths in CA.

³²⁴⁴ Cross-listed in Tornadoes – there were deaths due to winds knocking trees down on cars and dwellings, tornadoes, and flash flooding (2).

³²⁴⁵ Have listed this in tornadoes and wind storms. Grazulis has this as a tornado; Storm Prediction Center as high straight line wind.

³²⁴⁶ Arbitrary listing: eight deaths were to flash flooding; 7 to wind felling a tree onto a wagon of picnickers. (Gelber 2002, 145.)

³²⁴⁷ Cross-listed in Carbon Monoxide Poisoning section in that 8 fatalities were due to that cause. Four deaths were due to wind-driven debris, one from drowning, one from electrocution and one from fire.

³²⁴⁸ Cross-listed in winter Storms -- even though these storms were in late October they were “winter-like” out of north Pacific with snow, cold temperatures, rain and high winds.

³²⁴⁹ Arbitrary listing: Primarily severe thunderstorm with lightning and flash flooding, leading to casualties from downburst winds (5), flash flooding, building collapse, landslide (2), electrocution. One death attributable to a tornado. (Gelber 2002, 156.)

WIND STORMS / SEVERE THUNDERSORMS – American – Chronological

1. 1878 -- July 04, severe weather, wind, downbursts, flash floods near Pittsburgh, PA³²⁵⁰-- 15
2. 1886 -- May 11, windstorm, Kansas City, MO -- 32
3. 1886 -- Aug 20, severe Storm, TX -- 38
4. 1889 -- Jan 09, windstorm, especially Pittsburgh and Reading, PA --48-61
- 1890 -- Aug 21, thunder/windstorm, Streetcar Building Wall Collapse, Philadelphia, PA-- 6
- 1891 -- June 26, thunder/wind storm, Patterson Coal bldg. collapse, Mt. Carmel, PA -- 6-7
5. 1894 -- June 27, windstorm, MN & SD -- 10

6. 1900 -- Aug 12, thunderstorm, lightning strikes, small crafts capsize, NYC vic. -- 8-14
7. 1902 -- July 20, severe thunderstorm, ~1:30-1:45 pm, Baltimore & vicinity, MD --12-13
8. 1909 -- Apr 6-7, wind storms, MI, MS, NY, PA --18-21
- 1909 -- Apr 21, windstorm, south Lake Erie coastal area, especially, Cleveland, Ohio -- 9
9. 1909 -- June 11, wind storm, Haskell, Lueders, Sweetwater, Wichita falls, TX --11-12

10. 1913 -- Oct 23, thunder squalls, Severe local storms, Tornado, southern LA -- ~11
11. 1915 -- July 07, tornadoes/7 deaths IL/IN/MO, windstorms, IN/1, KY/1, MO/3, OH/38-- 50

12. 1922 -- June 11, severe storm, NY and New England, particularly NYC, NY -- 60
13. 1924 -- June 28, severe weather, thunderstorms, tor., flash flooding, ~Pittsburgh PA³²⁵¹-- 11

14. 1934 -- Oct 21, windstorm, WA -- 21

15. 1950 -- Mar 26-27, wind and dust storms, SW, Midwest and South, esp. KS/4 and TX/3-- 17
16. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA³²⁵² -- 12
17. 1955 -- Feb 01, tornadoes/strong winds, Commerce Landing school/20 & Lewisburg/3, NW MS--23

18. 1962 -- Oct 12, Columbus Day “Big Blow” wind storm, CA, OR, WA³²⁵³ -- 52

19. 1981 -- Nov 13-15, windstorms, Pacific Northwest, especially OR/10 and WA/5 -- 15

- 1993 -- Jan 20, Inauguration Day wind storm, WA -- 5

20. 2006 -- Dec 13-22, windstorm, carbon monoxide poisonings (8), esp. Kings Co. WA³²⁵⁴-- 15
21. 2011 -- Apr 14-16, storms, wind, tornadoes, flash flood, AL, AR, MS, NC, OK, VA³²⁵⁵-- 46

³²⁵⁰ Arbitrary listing: eight flash flood deaths; 7 to wind felling tree onto a wagon of picnickers. (Gelber 2002, 145.)

³²⁵¹ Arbitrary listing: Primarily severe thunderstorm with lightning & flash flooding, and casualties from downburst winds (5), flash flooding, building collapse, landslide (2), electrocution, tornado (1). (Gelber 2002, 156.)

³²⁵² Cross-listed in winter Storms -- even though these storms were in late October they were “winter-like” out of north Pacific with snow, cold temperatures, rain and high winds.

³²⁵³ This is a subset of stormy weather Oct 10-13, no. CA, OR, WA and BC, during which 58-75 lives were lost. The broader dates include loss of life due to mudslides, drowning, maritime losses, vehicle accidents on rain-slick roads. This breakout includes 46 Oct 12-related deaths in OR and WA and 6 Oct 12-related deaths in CA.

³²⁵⁴ Cross-listed in Carbon Monoxide Poisoning section in that 8 fatalities were due to that cause. Four deaths were due to wind-driven debris, one from drowning, one from electrocution and one from fire.

Wind Storms / Severe Thunderstorms – Chronological (continued):

22. 2012 -- June 29, Derecho, esp. Mid-Atlantic, Deaths: DC/KY/MD/OH/NJ/VA --20-24

³²⁵⁵ Cross-listed in Tornadoes – there were deaths due to winds knocking trees down on cars and dwellings, tornadoes, and flash flooding (2).

WINTER WEATHER – Blizzards/Extreme Cold/Ice/Snow Storms/Nor’easters-- **By Mortality**

Blanchard note: We list here specific winter weather events such as snow storms and cold waves. (See “Cold” for a listing of “Excessive Natural Cold” deaths per year.)

1. 1888 -- Jan 12, blizzard and extreme cold, especially Dakota Territory, MN & NE --315-500
2. 1898 -- Nov. 26-27 “Portland Gale” nor’easter & maritime disaster, Cape Cod³²⁵⁶ -- ~500
3. 1983 -- Dec 14-31, snow/extreme cold (eastern two-thirds US), sleet/ice (esp. South) --469-471
4. 1950 -- Nov 24-27, coldwave/snow/storms, esp. IN, KY, MI, NJ, NY, OH/PA/WV --288-383
5. 1963 -- Jan 18-30, cold waves/snow/icing/high wind, esp. IN/OH/IL/NY/MI/PA/TX--315-352
6. 1993 -- Mar 12-14, Gulf/East Coast late winter storm³²⁵⁷; esp. FL/51 PA/52 --247 (US)-- 318
7. 1982 -- Jan 07-18, extreme cold waves, ice/snow storms, esp. South, NE, Midwest --244-314
8. 1888 -- Mar 11-14, Mid-Atlantic/New England nor’easter, esp. NY/MA/maritime --298-301
9. 1958 -- Feb 06-19, coldwave/snowstorms, east half US, esp. NY/61, OH/34, PA/31--256-284
10. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost³²⁵⁸ -US 172-192 of 254-277

11. 1936 -- Feb 01-28, polar cold waves, snow, blizzards, snowslides, flooding, esp. MI -- 273
12. 1936 -- Jan 18-28, extreme cold/snow/sleet/wind, Midwest - Atlantic, esp. OH, PA --211-263
13. 1966 -- Jan 26-Feb 02, winter storms/coldwave/nor easter/blizzards, esp. East --251-258
14. 1960 -- Dec 10-13 a.m., mid to north Eastcoast snowstorm/blizzard/coldwave --208-253
15. 1962 -- Dec 06-15, snowstorms/cold-wave >26 States ~east half US, esp. OH and MI-188-238
16. 1912 -- Jan 03-19 esp., cold waves/snow/blizzards, esp. IL/36, NY/31, OH/14, PA/31 -- 228
17. 1962 -- Jan 7-14, cold-wave, snow and sleet, deaths in 29 States, esp. TX (≥30) --153-212
18. 1951 -- Jan 28-Feb 8, cold waves, snow/ice/sleet, most of US, esp. IN/30, OH/30, TX/24--~209
19. 1996 -- Jan 06-09; blizzard/snow; Midwest/South/& esp. East Coast/Northeast --154-208
20. 1798 -- Nov 17-21, New England blizzard and maritime storm -- >200
21. 1960 -- Mar 2-5, snowstorms/cold, Midwest-Eastcoast, esp. Northeast, esp. NY (31)--186-193
22. 1899 -- Jan 29-Feb 14, arctic cold, snow, blizzards, esp. east and south of Rockies -- 190
23. 1985 -- Jan 18-24 (esp. 19-21), winter cold wave/storms, esp. East and South --176-184
24. 2021 -- Feb 13-19, winter storms and cold wave, much of U.S, especially TX/123 --≥175
25. 1940 -- Nov 11-12, Armistice Day storm, esp. IL/13, Lake MI/66, MN/49, WI/13 --166-170
26. 1964 -- Jan 12-14, snowstorm and coldwave, eastern US, esp. IN, OH, PA, NY --146-167
27. 1778 -- Dec 26-27, blizzard, New Eng., esp. MA and RI, brig *Arnold*, sloop *Stark* -- ≥151
28. 1933 -- Feb 07-12, cold waves, winter storms, esp. Central & Upper Midwest --90-150
29. 1978 -- Jan 25-27, Gulf / Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH--143-150
30. 1933 -- Dec 26-28, winter storm/coldwave, Pacific NW, Upper Mid-West, NE --102-145
31. 1956 -- Mar 16 & 18, snowstorms, 14 states, WV to OH, Northeast, New England --95-138
32. 1961 -- Feb 02-06, snow storms/blizzards, esp. Northeast, Midwest, esp. NY/22 --131-136
33. 1978 -- Feb 05-07, nor’easter/blizzard, Northeast, esp. CT, NJ, NY, MA/73, RI --119-129
34. 1989 -- Dec 08-26, cold wave and winter snow storms eastern two-thirds of U.S. -- ≥126
35. 1977 -- Jan 26-Feb 01, winter storms/blizzards/coldwave, esp. west NY, IN, OH, MI -- 116
36. 1977 -- Dec 05-12, snowstorms, coldwave, wind, esp. upper midwest and northeast -- ≥114
37. 1994 -- Jan 14-21, winter extreme cold and snow, Northeast, Midwest, South³²⁵⁹ --78-110

³²⁵⁶ Cross-listed in Maritime.

³²⁵⁷ Sometimes referred to as the “Superstorm of 1993,” or the “Storm of the Century.”

³²⁵⁸ Cross-listed in Maritime (all but 8-9 of the lives lost were on the Great Lakes).

WINTER WEATHER Events -- By MORTALITY (continued):

38. 1967 -- Jan 26-27, Midwest blizzard/snow, IL/~60, esp. Chicago, IN/15 MI/22 OH/5 WI/5--94-107
39. 2022 -- Dec 19-26, snowstorms/cold, deaths in 20 States/Canada, esp. NW NY (42) -- 102
40. 2024 -- Jan 12-21, winter storms/cold, esp. TN/36, OR/16, MS/12, IL/7 --91-101
41. 1999 -- Jan 01-05, winter storms/cold, esp. Midwest; most esp. Chicago vic., IL --89~100
42. 1922 -- Jan 28, snow weight roof collapse, Knickerbocker Theater, Washington DC³²⁶⁰-- 98
43. 1960 -- Feb 12-15, snowstorms, Gulf to Atlantic Coast/Northeast, esp. NY/17, PA/15 --91-94
44. 1963 -- Jan 09-16/17, arctic cold/snow/sleet/high winds/blizzards, much of US --81-92
45. 1989 -- Jan 31-Feb 9, arctic "Siberian Express" out of Alaska, two-thirds of US --76-91
46. 2009 -- Jan 26-29, ice and snow storm, esp. Central/Eastern U.S., esp. KY and AR -- 91
47. 1839 -- Dec 15, "Great Storm of 1839," Massachusetts Bay, MA³²⁶¹ --64-90
48. 1975 -- Jan 10-12, winter storm/blizzard, esp. IA/15 MN/35 NE/14 ND/12 SD/8 --89-90
49. 1941 -- Mar 15, blizzard/snow storm, ND, MN, WI, OH, PA, NY -- 82
50. 1970 -- Jan 6-12, cold wave/snow/ice, esp. east of Rockies, esp. IN/13, SC, TN/15 --79-81
51. 1903 -- Dec 25-Jan 6, 1904, blizzards, snow, wind, Arctic cold, esp. MA & NY --76-78
52. 1947 -- Dec 26-27, winter snow storm, New England/20, PA/2, NJ/31, NY/17 --70-77
53. 1958 -- Feb 17, snow storms, East Coast, CO, MO, OH, WV --43-77
54. 1971 -- Jan 2-4, snowstorm/blizzards, Rockies to Great Lakes, esp. IA/31, NE/11, IL --65-77
55. 1974 -- Nov 30-Dec 02, snowstorms, esp. SE MI/32, NW OH/12, West PA/11 -- 71
56. 1873 -- Jan 07-09, blizzard, MN -- 70
57. 1965 -- Jan 15-19, blizzards/snow/cold, esp. IN & the East, esp. IN ~31, OH ~12 --68-70
58. 1940 -- Feb 14, winter nor'easter, Mid-Atlantic states-New England, west to OH --56-69
59. 1961 -- Jan 19-20, Nor'easter snowstorm, East Coast and Northeast, esp. PA (21) --60-69
60. 1982 -- Jan 30-Feb 05, snow/cold, esp. Midwest, esp. Greater Detroit/15 and IL/11 --47-69
61. 2007 -- Jan 12-15, ice/winter storm, Plains, Midwest, Northeast., esp. SE OK -- 69
62. 1979 -- Feb 17-20, snow/ice storms/extreme cold, Plains to East, Gulf to New England-- ~67
63. 1982 -- Apr 05-08, snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH --61-67
64. 1957 -- Jan 14-17, winter snowstorms, cold, especially Upper Midwest, Northeast --37-65
65. 1984 -- Jan 17-22, coldwave/snowstorms, especially West, Midwest, Northeast --63-65
66. 1984 -- Feb 26-29, snowstorms, Mid-MS/OH Valleys NE to New Eng., esp. IL, NY, OH-- 65
67. 2016 -- Jan 20-23, ice and snow storm Jonas, East Coast; esp. NY/10 PA/10 VA/12 --60-61
68. 1846 -- Feb 14/15, winter snow storm, *John Minturn* & other boats wreck, NJ --50-60
69. 2000 -- Dec 25-27, ice and snow storms, Southern Plains, especially OK and TX --58-59
70. 1947 -- Feb 20-22 snow-storm, esp. East Coast, esp. NJ/13, PA/23 New Eng./12 DC --53-56
71. 1959 -- Mar 04-06, snowstorms, esp. upper Midwest, esp. IA/19, IN/10-13, WI/11 --53-56
72. 1958 -- Mar 19-22 snowstorm, VA, MD, NJ, NY, New England, esp. SE PA (27) --49-55
73. 1983 -- Feb 10-12, snow storm/blizzard, Mid-Atlantic, Southern New England --31-54
74. 1954 -- Dec 28-31, winter snow/ice storms and arctic cold, southwest to northeast --48-52
75. 1962 -- Mar 05-09, Ash Wednesday Nor'easter, esp. mid-Atlantic states, esp. NJ/29 -- 52
76. 1984 -- Feb 04-05, snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN/16 --47-52
77. 1924 -- Dec 24-29, cold waves/winter weather-related deaths, esp. IL/12 and OH/9 -- 51

³²⁵⁹ There were *AP* reports dated Jan 21 and 22 noting 113, over 130, and 142 weather-related deaths.

³²⁶⁰ Cross-listed in Structural Failures.

³²⁶¹ Cross-listed in Maritime.

WINTER WEATHER Events -- By MORTALITY (continued):

78.	1965 -- Feb 22-25, winter weather, cold, snow, ice/glaze and wind, esp. MI/10	--48-51
79.	1967 -- Dec 13-20, snowstorms, AZ NM TX ND SD UT, esp. Navajo Res. AZ/NM/UT	--34-51
80.	1620/21--winter, disease, exposure, Plymouth Colony, MA	-- ~ 50
81.	1959 -- Mar 11-13, snowstorm/blizzard, NY, New England, esp. NY (22), ME (11)	-- 46
82.	1966 -- Mar 22-24, Midwest blizzard/snowstorm, esp. NE (21), IA (6-7), MN (6-9)	--41-46
83.	2014 -- Jan 01-07, winter storms and polar vortex cold wave	--44-45
84.	1948 -- Jan 23-26, sleet, snowstorms and cold-wave, South to Ohio to Northeast	--42-44
85.	1847 -- Donner Party tragedy, winter storm, snow, starvation,	-- 43
86.	1918 -- Jan 11-12, extreme cold, snow, blizzards, wind, esp. Plains, Midwest, South	-- 43
87.	1973 -- Apr 08-10, Midwest snowstorms/blizzards, IL/2, IA/16, MN/3, WI/20	--41-42
88.	1960 -- Jan 15-18, Midwest to Northeast snowstorms, esp. KS, NE/10, WI/11, NY	--36-41
89.	1949 -- Jan 02-05, blizzard and extreme cold, CO/7, NE/20, SD/1, WY/12	-- 40
90.	2017 -- Dec 26-Jan 6, 2018, bitter cold/exposure, ice/snow (vehicular), much of US	--39-40
91.	1960 -- Feb 18-20, snowstorms, especially East Coast and Northeast, especially NY/15--	39
92.	1993 -- Jan 05-Feb 28, winter storms, heavy rain and flooding, Southern CA ³²⁶²	-- 39
93.	1952 -- Nov 25-26, winter storm, esp. NE/9, IA/4, OK/4, CO/KS/MN/2, TX/SD/1	--31-38
94.	1948 -- Jan 01-02, winter ice, sleet and snow storms, Great Plains to New England	--21-36
95.	1985 -- Jan 08-13, winter cold wave and snow storms, esp. PA/6; MA/5 and TX/5	-- 36
96.	2007 -- Dec 09-10, ice storm, especially Kansas (6) and OK, especially Tulsa	--35-36
97.	2011 -- Jan 29-Feb 3, Groundhog Day blizzard (storm), Central, East, Northeast	-- 36
98.	2011 -- Oct 29, nor'easter snowstorm, Northeast -- CT, MA, NJ, NY, PA	-- 36
99.	1894 -- May 17-18, Great Lakes storm, 23 ships founder (22 maritime deaths) ³²⁶³	-- 35
100.	1945 -- Nov 29-30, Nor'easter, NJ (5), NY (17), MA (5), NH (2), RI (4)	--33-35
101.	1953 -- Jan 9-11, winter storms, snow/ice/sleet, Northeast, especially New England	--32-35
102.	1958 -- Jan 07-8, winter storm (snow/sleet/ice/high wind, cold) Northeast, esp. CT/9--	33-35
103.	1957 -- Dec 3-5, snowstorms, IN to Northeast, East Coast-New England, esp. PA (11)	--32-33
104.	1984 -- Mar 07-10, severe cold and snow, especially Upper Midwest and Northeast	--32-33
105.	1984 -- Mar 28- 30, nor'easter, wind/snow storms, northeast, esp. NY/~16, PA/~11 ³²⁶⁴ --	~33
106.	1804 -- Oct 09, "winter" storm ("hurricane"), New England, especially MA coast ³²⁶⁵ --	≥32
107.	2019 -- Jan 28-Feb 2, polar cold/snow/ice, esp. upper Mid-West, esp. IL/8, IA/NY/5--	30-31
108.	2002 -- Jan 28-Feb 1, ice/snow storms, Plains, Midwest, Northeast, esp. OK and MI--	29
109.	2014 -- Feb 11-16, winter Storm Pax, ³²⁶⁶ ice and snow storm, esp. East Coast	--25-29
110.	1909 -- Dec 25-26, winter storm, No. Atlantic States, especially NYC, CT, MA	--20-26
111.	1956 -- Feb 01-5, ice/snow/blizzard/cold, NM/3, TX/16-23, esp. north & central TX--	19-26
112.	1962 -- Feb 7-12, heavy rain, flooding/mudslides/falling trees/slick roads, southern CA--	26

³²⁶² Cross-listed in Floods in that at least 31 deaths were from drowning; 15 of which were of immigrants seeking to enter U.S. from Mexico, and drowning in the Tijuana River. Two deaths were from vehicular accidents on rain-slickened roads. Six others were generally described as weather-related. One or more of these could have been from drowning, perhaps involving a vehicle.

³²⁶³ Some would call this storm an "Alberta Clipper." Cross-listed under Maritime.

³²⁶⁴ Given heavy snow, blizzard conditions in some locations and general description as nor'easter, placing in "winter storms" even though late March is in the Spring season.

³²⁶⁵ Cross-listed in Maritime in that the majority of lives lost, chronicled herein, were from maritime vessels.

³²⁶⁶ The name "Pax" came from *The Weather Channel*.

WINTER WEATHER Events -- By MORTALITY (continued):

113. 1993 -- Dec 24-30, coldwave/snow/sleet, MT to New Eng., south to OK and East -- 26
 114. 1933 -- Dec 20-25, storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)³²⁶⁷ --~24
 115. 1954 -- Mar 01-04, Ohio snow storms/winter weather, esp. Cleveland, OH --23-24
 116. 2006 -- Nov 29 (late)-Dec 1, winter storms, especially the Midwest, also NY, PA --23-24
 117. 2009 -- Dec 07-09, winter storm/blizzard, extreme cold, esp. Midwest to East Coast -- 24
 118. 1990 -- Feb 23 (evening)-24, snowstorm, cold front, wind, MI, IN, OH (blizzard) --22-23
 119. 1992 -- Dec 10-13, East Coast nor'easter; snow/high waves/wind; esp. PA (9) -- ~23
 120. 1956 -- Dec 14-15, snow, sleet and ice storm, Northeast/New England, esp. NY --17-21
 121. 1966 -- Mar 02-05, snowstorm/blizzard, esp. MN (7), NE (1), ND (5), SD (7-8) --20-21
 122. 1998 -- Jan 08-10, ice storm, ME (8), NH (2), NY (10), VE (1)³²⁶⁸ -- 21
 123. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY-- ~20
 124. 1873 -- Apr 13, "Easter Blizzard," NE -- <20
 125. 1929 -- Jan 22, train hits Greyhound bus, snowstorm, Bellevue, OH³²⁶⁹ -- 20
126. 1971 -- Feb 08-09, snowstorm/arctic cold, Midwest, East, New England, esp. OH -- 19
 127. 1973 -- Feb 08-11 snowstorm, SE US, AL FL/1 GA/3 LA/1 MS NC/2 SC/12 TX VA-- 19
 128. 1996 -- Dec 26-Jan 3 '97, storms, snow, heavy rain, snowmelt, flooding, CA/OR/WA-- 19
 129. 2007 -- Nov 30-Dec 01, winter storms, especially the Midwest, also Northeast --≥16-19
 130. 2007 -- Dec 22-23, winter storm, Midwest, MN/WI/WY (3 each); TX (2); KS (1) --12-19
 131. 2023 -- Jan 01-14, winter weather, storms, heavy rain, levees breach, trees down, CA-- 19
 132. 1786 -- Dec 05, gale, sloop grounds, Lovell's Isl., brig at Pt. Shirley, Boston Harbor MA--18
 133. 1970 -- Jan-Feb, excessive rain & snow; drowning/traffic deaths, northern/central CA-- 18
 134. 2013 -- Feb 08-09, winter Storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY -- 18
 135. 2016 -- Dec 15-17, winter weather Decima, ice, road accidents, Midwest/Northeast --15-18
 136. 1871 -- Dec 03, winter exposure, immigrants freeze, Saline County, NE -- 17
 137. 1940 -- Jan 23-24, snow/coldwave, MS, Al, GA, NC, SC, TN, VA, DC, MD, NJ -- 17
 138. 1960 -- Dec 07-10, snow and ice storms, NM (5), OK (3), TX (9) -- 17
 139. 1994 -- Jan 04-05, nor'easter, heavy snow, East Coast, esp. northeast, esp. PA (10) -- ~17
 140. 2012 -- Dec 25-27, winter storm, AL, AR, IN, KY, LA, OH, OK, NY, PA, TX, VA --16-17
 141. 1989 -- Dec 02-03, heavy snow and traffic accidents, Michigan -- 16
 142. 1948 -- Nov 18-20, winter storm, near-blizzard/blizzard conditions, Pacific to Plains-- 15
 143. 1994 -- Feb 08-13, ice, snow, freezing rain, sleet, Southeast, Southwest, Midwest -- ≥15
 144. 2018 -- Jan 17, winter storm, snow, deep cold, deaths in GA LA NC TN TX VA WV-- 15
 145. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA³²⁷⁰ 14
 146. 1952 -- Jan 10-19, rain/snow storms/slides, Pacific Northwest and Southern CA --13-14
 147. 1997 -- Jan 7-18, winter snow and cold, San Diego County mountains, CA -- 14
 148. 2014 -- Jan 28-29, winter storm snow/ice, traffic accidents, AL, GA, MS, NC, SC -- 14
 149. 2023 -- Mar 02-03, late winter storms, AL (3), AK (1), CA (1), KY (5), MS (1), TN (2)--14
 150. 1950 -- Jan 13-14, snow/blizzard, deep cold, OR, WA, BC (2), esp. WA (8-9) --11-13

³²⁶⁷ We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, and 6 from slides.

³²⁶⁸ Deaths include eight from CO poisoning, two falls, one heart attack, four hypothermia, one from roof collapse, two tree/branch falls, two vehicular, and one fire from a woodstove after power was lost.

³²⁶⁹ Cross-listed under Bus and Rail.

³²⁷⁰ Cross-listed under Maritime.

Winter Weather Events – By Mortality – continued:

151.	1959 -- Jan 03-07, winter weather (strong winds, bitter cold), East-Central NY	--	13
152.	1959 -- Mar 14-15, midwest snowstorm, IA/6, IL/1, KS/2, MI/2, NE/1, OH/1	--	13
153.	1979 -- Oct 29-Nov 2, winter snow storm/blizzard, Midwest/Great Plains, esp. CO/6	--	13
154.	1991 -- Oct 28-Nov 1, Perfect Storm Nor'easter, East Coast, <i>Andrea Gail</i> Lost	--	13
155.	2007 -- Dec 01-04, winter storm (The Great Coastal Gale of 2007) Pacific NW	--	13
156.	2010 -- Mar 13, nor'easter, heavy rain, strong wind, NJ, NY, CT, RI, WV	--	13
157.	2013 -- Nov 22-25, winter Storm Boreas, traffic accidents, esp. CA, OK, TX	--	13
158.	2014 -- Nov 18-21, lake-effect snow, Greater Buffalo area, NY	--	12-13
159.	2019 -- Jan 10-13, winter storm Gia, IL/2, IN/1, KS/3, MO/3, VA/3, WV/1	--	13
160.	1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA ³²⁷¹	--	12
161.	1955 -- Nov 28-29, lake-effect snow; Arctic cold; deaths in IL/2, NY/6, PA/4	--	12
162.	1959 -- Jan 16-18, winter weather (snowstorm, gale winds), NY, esp. NW NY	--	11-12
163.	2007 -- Feb 01-19, extreme cold/wind chill, Grundy, Kane & esp. Cook County, IL	--	12
164.	2019 -- Dec 15-16, winter storm and vehicular crashes icy roads, IN, KS, MO, NE	--	12
165.	1886 -- Nov 15-18, Great Lakes region storm	--	11
166.	1931 -- Nov 23, snowstorm, Navajo and Zuni snowbound on mesas south of Gallup NM	--	11
167.	1962 -- Feb 23-24, snow/ice storms, Midwest, Northeast; deaths in IL, IN, NY, OH, PA	--	11
168.	1987 -- Mar 27-29, snowstorms and cold, especially Midwest and Plains	--	≥11
169.	1935 -- Feb 23, winter storm, snow, sleet Northeast U.S., NY, NJ, PA	--	10
170.	1964 -- Mar 09-10, snowstorm, ice, sleet, freezing rain, ME/1, MA/3, NY/≥6	--	≥10
171.	1997 -- Oct 24-25, blizzard, CO	--	10
172.	2007 -- Dec 15-16, Midwest and East Coast snow storm	--	~10
173.	2021 -- Feb 10-11, winter snow/ice, road accidents/deaths, esp. Dallas-Ft. Worth TX	--	10

Some select other notable Winter Weather events with fewer than 10 deaths:

1986 --	May 14-15, blizzard, Oregon Episcopal School mt. climbing group, Mt. Hood, OR	--	9
1980 --	Jan 08-10 -- snowstorm, OR (6) and WA (3)	--	9
1996 --	Nov 18-20, Pacific Northwest storm, rain, mudslides, ice, snow, OR, WA ³²⁷²	--	8
1979 --	Jan 09-10, ice storm, Portland, Multnomah County, OR	--	5

³²⁷¹ Cross-listed in Wind Storms. Even though these storms were in late October they were “winter-like” out of north Pacific with snow, cold temperatures, rain and high winds.

³²⁷² Not included is the Dec 1 death of three members of Appler family (wife/mother and two children) when their car was hit by a semi after they stopped at a mudslide near Elkton, Douglas County, on the Umpqua River.

WINTER WEATHER -- CHRONOLOGICAL

77. 1609/10 -- hard winter, starvation, disease, attack, Jamestown Colony -- ~400
78. 1620/21 -- winter, disease, exposure, Plymouth Colony, MA -- ~ 50
79. 1778 -- Dec 26-27, blizzard, New England, esp. MA and RI, brig *Arnold*, sloop *Stark* -- ≥151
80. 1786 -- Dec 5, gale, sloop grounds, Lovell's Isl., Brig at Pt. Shirley, Boston Harbor, MA-- 18
81. 1798 -- Nov 17-21, New England Blizzard and Maritime Storm -- >200
82. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA³²⁷³-- 14
83. 1804 -- Oct 9, "winter" Storm ("Hurricane"), New England, especially coast of MA³²⁷⁴--≥32
84. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY³²⁷⁵ ~20
85. 1839 -- Dec 15, "Great Storm of 1839," Massachusetts Bay, MA³²⁷⁶ --64-90
86. 1846 -- Feb 14/15, winter Snow Storm, *John Minturn* & other boats wreck, NJ--50-60
87. 1847 -- Donner Party Tragedy, winter Storm, Snow Starvation, -- 43
88. 1871 -- Dec 03, winter Exposure, Immigrants Freeze, Saline County, NE -- 17
89. 1873 -- Jan 7-9, Blizzard, MN -- 70
90. 1873 -- Apr 13, "Easter Blizzard," NE -- <20
91. 1886 -- Nov 15-18, Great Lakes Region Storm -- 11
92. 1888 -- Jan 12, Blizzard and extreme cold, especially Dakota Territory, MN & NE --315-500
93. 1888 -- Mar 11-14, Mid-Atlantic/New England Nor'easter, esp. NY/MA/maritime --298-301
94. 1894 -- May 17-18, Great Lakes Storm, 23 Ships Founder (22 Maritime Deaths)³²⁷⁷ -- 35
95. 1898 -- Nov. 26-27 "Portland Gale" Nor'easter & Maritime Disaster, Cape Cod³²⁷⁸ -- 500
96. 1899 -- Jan 29-Feb 14, Arctic Cold, Snow, Blizzards, esp. east and south of Rockies -- 190
97. 1903 -- Dec 25-Jan 6, 1904, Blizzards, Snow, Wind, Arctic Cold, esp. MA & NY --76-78
98. 1909 -- Dec 25-26, winter storm, No. Atlantic States, especially NYC, CT, MA --20-26
99. 1912 -- Jan 3-19 esp., cold waves/snow/blizzards, esp. IL/36, NY/31, OH/14, PA/31 -- 228
100. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost³²⁷⁹--US 172-192 of 254-277
101. 1918 -- Jan 11-12, extreme cold, snow, blizzards, wind, esp. Plains, Midwest, South-- 43
102. 1922 -- Jan 28, roof collapse, snow weight, Knickerbocker Theater, Wash. DC³²⁸⁰ -- 98

³²⁷³ Cross-listed under Maritime.

³²⁷⁴ Cross-listed in Maritime in that the majority of lives lost, chronicled herein, were from maritime vessels.

³²⁷⁵ Cross-listed under Maritime.

³²⁷⁶ Cross-listed under Maritime.

³²⁷⁷ Some would call this storm an "Alberta Clipper." Cross-listed under Maritime.

³²⁷⁸ Cross-listed under Maritime

³²⁷⁹ Cross-listed in winter Storms (though technically late fall, the storm itself was winter snow and wind storm).

³²⁸⁰ Cross-listed in Structural Failures.

103. 1924 -- Dec 24-29, cold waves/winter weather-related deaths, esp. IL/12 and OH/9-- 51
 104. 1929 -- Jan 22, train hits Greyhound bus in snowstorm, Bellevue, OH³²⁸¹ -- 20

WINTER WEATHER Events -- Deadliest American -- Chronological (continued):

105. 1931 -- Nov 23, snowstorm, Navajo and Zuni snowbound on mesas south of Gallup NM-11
 106. 1933 -- Feb 7-12, cold waves, winter storms, esp. Central & Upper Midwest --90-150
 107. 1933 -- Dec 20-25, storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)³²⁸² ~24
 108. 1933 -- Dec 26-28, winter storm/coldwave, Pacific NW, Upper Mid-West, NE --102-145
 109. 1935 -- Feb 23, winter storm, snow, sleet, Northeast, NY, NJ, PA -- 10
 110. 1936 -- Jan 18-28, deep cold/snow/sleet/wind, Midwest - Atlantic, esp. OH, PA --211-263
111. 1940 -- Jan 23-24, snow and coldwave, MS, Al, GA, NC, SC, TN, VA, DC, MD, NJ-- 17
 112. 1940 -- Feb 14, winter Nor'easter, Mid-Atlantic states--New England, west to OH --56-69
 113. 1940 -- Nov 11-12, Armistice Day storm, esp. IL/13, Lake MI/66, MN/49, WI/13--166-170
 114. 1941 -- Mar 15, blizzard/snow storm, ND, MN, WI, OH, PA, NY -- 82
 115. 1945 -- Nov 29-30, Nor'easter, NJ (5), NY (17), MA (5), NH (2), RI (4) --33-35
 116. 1947 -- Feb 20-22 snowstorm, esp. East Coast, esp. NJ/13, PA/23, New Eng./12, DC--53-56
 117. 1947 -- Dec 26-27, winter snow storm, New England/20, PA/2, NJ/31, NY/17 --70-77
 118. 1948 -- Jan 01-02, winter ice, sleet and snow storms, Great Plains to New England --21-36
 119. 1948 -- Jan 23-26, sleet, snowstorms and cold-wave, South to Ohio to Northeast --42-44
 120. 1948 -- Nov 18-20, winter storm, near-blizzard/blizzard conditions, Pacific to Plains-- 15
 121. 1949 -- Jan 02-05, blizzard and extreme cold, CO/7, NE/20, SD/1, WY/12 -- 40
122. 1950 -- Jan 13-14, snow/blizzard, deep cold, OR, WA, BC (2), esp. WA (8-9) --11-13
 123. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA³²⁸³ -- 12
 124. 1950 -- Nov 24-27, coldwave/snowstorms, esp. IN, KY, MI, NJ, NY, OH/PA/WV--288-383
 125. 1951 -- Jan 27-Feb 8, cold waves, winter storms, ice, sleet, snow, nationwide --175-200
 126. 1952 -- Jan 10-19, rain/snow storms/slides, Pacific Northwest and Southern CA --13-14
 127. 1952 -- Nov 25-26, winter storm, esp. NE/9, IA/4, OK/4, CO/KS/MN/2, TX/SD/1 --31-38
 128. 1953 -- Jan 09-11, winter storms/snow/ice/sleet, Northeast, especially New England --32-35
 129. 1954 -- Mar 01-04, Ohio snow storms/winter weather, esp. Cleveland, OH --23-24
 130. 1954 -- Dec 28-31, winter snow/ice storms and arctic cold, southwest to northeast --48-52
 131. 1955 -- Nov 28-29, lake-effect snow; Arctic cold; deaths in IL/2, NY/6, PA/4 -- 12
 132. 1956 -- Feb 01-5, ice/snow/blizzard/cold, NM/3, TX/16-23, esp. north & central TX--19-26
 133. 1956 -- Mar 16 & 18, snowstorms, 14 states, WV to OH, Northeast, New England --95-138
 134. 1956 -- Dec 14-15, snow, sleet and ice storm, Northeast/New England, esp. NY --17-21
 135. 1957 -- Jan 14-17, winter snowstorms, cold, especially Upper Midwest, Northeast --37-65
 136. 1957 -- Dec 03-05, snowstorms, IN to Northeast, East Coast-New England, esp. PA (11) --32-33
 137. 1958 -- Jan 07-8, winter storm/snow/sleet/ice/high wind, cold. Northeast, esp. CT/9 --33-35
 138. 1958 -- Feb 06-19, coldwave/snowstorms, east half US, esp. NY/61, OH/34, PA/31--256-284
 139. 1958 -- Mar 19-22 snowstorm, VA, MD, NJ, NY, New England, esp. SE PA (27) --49-55

³²⁸¹ Cross-listed under Bus and Rail.

³²⁸² We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, and 6 from slides.

³²⁸³ Cross-listed in Wind Storms. Even though these storms were in late October they were "winter-like" out of north Pacific with snow, cold temperatures, rain and high winds.

- 140. 1959 -- Jan 03-07, winter weather (strong winds, bitter cold), East-Central NY -- 13
- 141. 1959 -- Jan 16-18, winter weather (snowstorm, gale winds), NY, esp. NW NY --11-12
- 142. 1959 -- Mar 04-06, snowstorms, esp. upper Midwest, esp. IA/19, IN/10-13, WI/11 --53-56
- 143. 1959 -- Mar 11-13, snowstorm/blizzard, NY, New England, esp. NY (22), ME (11) -- 46
- 144. 1959 -- Mar 14-15, midwest snowstorm, IA/6, IL/1, KS/2, MI/2, NE/1, OH/1 -- 13

WINTER WEATHER Events--Deadliest American--Chronological (continued):

- 145. 1960 -- Jan 15-18, Midwest to Northeast snowstorms, esp. KS, NE/10, WI/11, NY --36-41
- 146. 1960 -- Feb 12-15, snowstorms, Gulf to Atlantic Coast/Northeast, esp. NY/17, PA/15 --91-94
- 147. 1960 -- Feb 18-20, snowstorms, especially East Coast and Northeast, especially NY/15-- 39
- 148. 1960 -- Mar 2-5, snowstorms/cold, Midwest-Eastcoast, esp. Northeast, esp. NY/31--186-193
- 149. 1960 -- Dec 07-10, snow and ice storms, NM (5), OK (3), TX (9) -- 17
- 150. 1960 -- Dec 10-13 a.m., mid to north Eastcoast snowstorm/blizzard/coldwave --208-253
- 151. 1961 -- Jan 19-20, Nor'easter snowstorm, East Coast and Northeast, esp. PA (21) --60-69
- 152. 1961 -- Feb 02-06, snow storms/blizzards, esp. Northeast, Midwest, esp. NY/22 --131-136
- 153. 1962 -- Jan 07-14, cold-wave, snow and sleet, deaths in 29 States, esp. TX (≥ 30) --153-212
- 154. 1962 -- Feb 07-12, heavy rain/flooding/mudslides/falling trees/slick roads, southern CA-- 26
- 155. 1962 -- Feb 23-24, snow/ice storms, Midwest, Northeast; deaths in IL, IN, NY, OH, PA -- 11
- 156. 1962 -- Mar 05-09, Ash Wednesday Nor'easter, esp. mid-Atlantic states, esp. NJ/29 -- 52
- 157. 1962 -- Dec 06-15, snowstorms/coldwave >26 ~States east half US, esp. OH and MI --188-238
- 158. 1963 -- Jan 09-16/17, Arctic cold/snow/sleet/high winds/blizzards, much of US --81-92
- 159. 1963 -- Jan 18-30, cold-waves/snow/icing/high wind, esp. IN/OH/IL/NY/MI/PA/TX--315-352
- 160. 1964 -- Jan 12-14, snowstorm and coldwave, eastern US, esp. IN, OH, PA, NY --146-167
- 161. 1964 -- Mar 09-10, snowstorm, ice, sleet, freezing rain, ME/1, MA/3, NY/ ≥ 6 -- ≥ 10
- 162. 1965 -- Jan 15-19, blizzards/snow/cold, esp. IN & the East, esp. IN ~ 31 , OH ~ 12 --68-70
- 163. 1965 -- Feb 22-25, winter weather/cold/snow/ice/glaze and wind, esp. MI/10 --48-51
- 164. 1966 -- Jan 26-Feb 02, winter storms/coldwave/nor easter/blizzards, esp. East --251-258
- 165. 1966 -- Mar 02-05, snowstorm/blizzard, esp. MN (7), NE (1), ND (5), SD (7-8) --20-21
- 166. 1966 -- Mar 22-24, Midwest blizzard/snowstorm, esp. NE (21), IA (6-7), MN (6-9) --41-46
- 167. 1967 -- Jan 26-27, Midwest blizzard/snow, IL/ ~ 60 esp. Chicago, IN/15 MI/22 --94-107
- 168. 1967 -- Dec 13-20, snowstorms, AZ NM TX ND SD UT, esp. Navajo Res. AZ/NM/UT --34-51
- 169. 1970 -- Jan 06-12, cold wave/snow/ice, esp. east of Rockies, esp. IN/13, SC, TN/15 --79-81
- 170. 1970 -- Jan-Feb, excessive rain & snow; drowning/traffic deaths, north / central CA -- 18
- 171. 1971 -- Jan 2-4, snowstorm/blizzards, Rockies to Great Lakes, esp. IA/31, NE/11, IL, WI --65-77
- 172. 1971 -- Feb 08-09, snowstorm/arctic cold, Midwest, East, New England, esp. OH -- 19
- 173. 1973 -- Feb 08-11 snowstorm, SE U.S., AL FL/1 GA/3 LA/1 MS NC/2 SC/12 TX VA-- 19
- 174. 1973 -- Apr 08-10, Midwest snowstorms/blizzards, IL/2, IA/16, MN/3, WI/20 --41-42
- 175. 1974 -- Nov 30-Dec 02, snowstorms, esp. SE MI/32, Northeast OH/12, West PA/11 -- 71
- 176. 1975 -- Jan 10-12, winter storm/blizzard, esp. IA/15 MN/35 NE/14 ND/12 SD/8 --89-90
- 177. 1977 -- Jan 26-Feb 01, winter storms/blizzards/coldwave, esp. west NY, IN, OH, MI-- 116
- 178. 1977 -- Dec 05-12, snowstorms, coldwave, wind, esp. upper Midwest and Northeast-- ≥ 114
- 179. 1978 -- Jan 25-27, Gulf /Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH --143-150
- 180. 1978 -- Feb 05-7, nor'easter/blizzard, Northeast, esp. CT, NJ, NY, MA/73, RI/ ≥ 20 -119-129
- 1979 -- Jan 09-10, ice storm, Portland, Multnomah County, OR -- 5
- 181. 1979 -- Feb 18-20, "Presidents' Day snowstorm, East Coast and New England -- 16

182. 1979 -- Oct 29-Nov 2, winter snow storm/blizzard, Midwest/Great Plains, esp. CO/6-- 13

WINTER WEATHER Events--Deadliest American--Chronological (continued):

- 1980 -- Jan 08-10, snowstorm, OR (6) and WA (3) -- 9
183. 1982 -- Jan 07-18, extreme cold waves, ice/snow storms, esp. South, NE, Midwest-244-314
184. 1982 -- Jan 30-Feb 5, snow & cold, esp. Midwest, esp. Greater Detroit/15 and IL/11 --47-69
185. 1982 -- Apr 05-08, snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH--61-67
186. 1983 -- Feb 10-12, snow storm/blizzard, Mid-Atlantic, Southern New England --31-54
187. 1983 -- Dec 14-31, snow/extreme cold (eastern two-thirds US), sleet/ice (esp. South)-469-471
188. 1984 -- Jan 17-22, coldwave/snowstorms, especially West, Midwest, Northeast --63-65
189. 1984 -- Feb 04-05, snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN/16 --47-52
190. 1984 -- Feb 26-29, snowstorms, Mid-MS/OH Valleys NE to New Eng., esp. IL, NY, OH-- 65
191. 1984 -- Mar 07-10, severe cold/snow, especially Upper Midwest and Northeast --32-33
192. 1984 -- Mar 28- 30, nor'easter, wind/snow storms, Northeast, esp. NY/~16, PA/~11³²⁸⁴ ~33
193. 1985 -- Jan 08-13, winter cold wave and snow storms, esp. PA/6; MA/5 and TX/5 -- 36
194. 1985 -- Jan 18-24 (esp. 19-21), winter cold wave/storms, esp. East and South --176-184
- 1986 -- May 14-15, blizzard, OR Episcopal School mt. climbing group, Mt. Hood, OR-- 9
195. 1987 -- Mar 27-29, snowstorms and cold, especially Midwest and Plains -- \geq 11
196. 1989 -- Jan 31-Feb 09, arctic "Siberian Express" out of Alaska, two-thirds of US --76-91
197. 1989 -- Dec 2-3, heavy snow and traffic accidents, Michigan -- 16
198. 1989 -- Dec 8-26, cold wave and winter snow storms eastern two-thirds of U.S. -- \geq 126

WINTER WEATHER & Hypothermia -- Deadliest American -- Chronological (cont.):

199. 1990 -- Feb 23 (evening)-24, snowstorm, cold front, wind, MI, IN, OH (blizzard) --22-23
200. 1991 -- Oct 28-Nov 1, Perfect Storm nor'easter, East Coast, *Andrea Gail* lost -- 13
201. 1992 -- Dec 10-13, East Coast nor'easter; snow/high waves/wind; esp. PA (9) -- ~23
202. 1993 -- Jan 05-Feb 28, winter storms, heavy rain and flooding, Southern CA³²⁸⁵ -- 39
203. 1993 -- Mar 12-14, Gulf/East Coast late winter storm; esp. FL/51 PA/52 --247 (US) -- 318
204. 1993 -- Dec 24-30, coldwave/snow/sleet, MT to New Eng., south to OK and East -- 26
205. 1994 -- Jan 04-05, nor'easter, heavy snow, East Coast, esp. northeast, esp. PA (10) -- ~17
206. 1994 -- Jan 14-21, winter extreme cold and snow, Northeast, Midwest, South³²⁸⁶ --78-110
207. 1996 -- Jan 06-09; blizzard/snow; Midwest/South/& esp. East Coast/Northeast --154-208
- 1996 -- Nov 18-20, Pacific Northwest storm, rain, mudslides, ice, snow, OR, WA³²⁸⁷-- 8
208. 1996 -- Dec 26-Jan 3 1997, storms, snow, heavy rain, snowmelt, flooding, CA/OR/WA--19
209. 1997 -- Jan 07-18, winter snow and cold, San Diego County Mountains, CA -- 14
210. 1997 -- Oct 24-25, blizzard, CO -- 10

³²⁸⁴ Given heavy snow, blizzard conditions in some locations and general description as nor'easter, placing in "winter storms" even though late March is in the Spring season.

³²⁸⁵ Cross-listed in Floods. At least 31 were drowning deaths; 15 of immigrants seeking to enter U.S. from Mexico via the Tijuana River. Two deaths were in vehicular accidents on rain-slickened roads. Six others were generally described as weather-related. One or more of these could have been from drowning, perhaps involving a vehicle.

³²⁸⁶ There were *Associated Press* reports dated Jan 21 and 22 noting, depending on the report, 113, over 130, and 142 weather-related deaths, but we have not been able to verify this reporting.

³²⁸⁷ Not included is the Dec 1 death of three members of Appler family (wife/mother and two children) when their car was hit by a semi after they stopped at a mudslide near Elkton, Douglas County, on the Umpqua River.

211. 1998 -- Jan 08-10, ice storm, ME (8), NH (2), NY (10), VE (1)³²⁸⁸ -- 21
 212. 1999 -- Jan 1-5, winter storms/cold, esp. Midwest; most esp. greater Chicago, IL--89--~100

Winter Weather Events – Chronological (continued):

213. 2000 -- Dec 25-27, ice and snow storms, Southern Plains, especially OK and TX --58-59
 214. 2002 -- Jan 28-Feb 1, ice/snow storms, Plains, Midwest, Northeast, esp. OK and MI-- 29
 215. 2006 -- Nov 29 (late)-Dec 1, winter storms, especially the Midwest, also NY, PA --23-24
 216. 2007 -- Jan 12-15, ice/winter storm, Plains, Midwest, Northeast., esp. SE OK -- 69
 217. 2007 -- Feb 1-19, extreme cold/wind chill, Grundy, Kane & esp. Cook County, IL -- 12
 218. 2007 -- Nov 30-Dec 01, winter storms, especially the Midwest, also Northeast -- \geq 16-19
 219. 2007 -- Dec 01-04, winter storm (The Great Coastal Gale of 2007) Pacific NW -- 13
 220. 2007 -- Dec 9-10, ice storm, especially Kansas (6) and Tulsa, OK --35-36
 221. 2007 -- Dec 15-16, Midwest and East Coast snow storm -- ~10
 222. 2007 -- Dec 22-23, winter storm, Midwest, MN/WI/WY (3 each); TX (2); KS (1) --12-19
 223. 2009 -- Jan 26-29, ice and snow storm, esp. Central/Eastern U.S., esp. KY and AR -- 91
 224. 2009 -- Dec 7-9, winter storm/blizzard, extreme cold, esp. Midwest to East Coast -- 24
225. 2010 -- Mar 13, nor'easter, heavy rain, strong wind, NJ, NY, CT, RI, WV -- 13
 226. 2011 -- Jan 29-Feb 3, Groundhog Day Blizzard (storm), Central, East, Northeast -- 36
 227. 2011 -- Oct 29, nor'easter snowstorm, Northeast -- CT, MA, NJ, NY, PA -- 36
 228. 2012 -- Dec 25-27, winter storm, AL, AR, IN, KY, LA, OH, OK, NY, PA, TX, VA --16-17
 229. 2013 -- Feb 08-09, winter Storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY -- 18
 230. 2013 -- Nov 22-25, winter Storm Boreas, traffic accidents, esp. CA, OK, TX -- 13
 231. 2014 -- Jan 01-07, winter storms and polar vortex cold wave --44-45
 232. 2014 -- Jan 28-29, winter storm snow/ice, traffic accidents, AL, GA, MS, NC, SC -- 14
 233. 2014 -- Feb 11-16, winter Storm Pax,³²⁸⁹ ice and snow storm, esp. East Coast --25-29
 234. 2014 -- Nov 18-21, lake-effect snow, greater Buffalo area, NY --12-13
 235. 2016 -- Jan 20-23, ice & snowstorm Jonas, East Coast; esp. NY/10 PA/10 VA/12 --60-61
 236. 2016 -- Dec 15-17, winter weather Decima, ice, road accidents, Midwest/Northeast --15-18
 237. 2017 -- Dec 26-Jan 6, 2018, bitter cold (exposure), ice/snow (vehicular), much of US --39-40
 238. 2018 -- Jan 17, winter storm, snow, deep cold, deaths in GA LA NC TN TX VA WV-- 15
 239. 2019 -- Jan 10-13, winter storm Gia, IL/2, IN/1, KS/3, MO/3, VA/3, WV/1 -- 13
 240. 2019 -- Jan 28-Feb 2, polar cold/snow/ice, esp. upper Mid-West, esp. IL/8, IA/NY/5 --30-31
 241. 2019 -- Dec 15-16, winter storm and vehicular crashes on icy roads, IN, KS, MO, NE-- 12
242. 2021 -- Feb 10-11, winter snow/ice, road accidents/deaths, esp. Dallas-Ft. Worth, TX-- 10
 243. 2021 -- Feb 13-19, winter storms and cold wave, much of U.S, especially TX/123 -- \geq 175
 244. 2022 -- Dec 19-26, snowstorms/cold, deaths in 20 States and Canada, esp. NW NY (42)--102
 245. 2023 -- Mar 02-03, late winter storms, AL (3), AK (1), CA (1), KY (5), MS (1), TN (2)--14
 246. 2023 -- Jan 01-14, winter weather, storms, heavy rain, levees breach, trees down, CA-- 19
247. 2024 -- Jan 12-21, winter storms/cold, esp. TN/36, OR/16, MS/12, IL/7 --91-101

³²⁸⁸ Deaths include eight from CO poisoning, two falls, one heart attack, four hypothermia, one from roof collapse, two tree/branch falls, two vehicular, and one fire from a woodstove after power was lost.

³²⁸⁹ The name "Pax" came from *The Weather Channel*.

BLIZZARDS -- Subset of winter Storms -- By Mortality

1. 1888 -- Jan 12, Blizzard and extreme cold, especially Dakota Territory, MN & NE --315-500
2. 1950 -- Nov 24-27, "Storm of the Century," esp. IN, KY, MI, NJ, NY, OH, PA, WV-353-383
3. 1993 -- Mar 12-13, East Seaboard Storm/Blizzard, "Superstorm of 1993" --270-318
4. 1888 -- Mar 11-14, Mid-Atlantic/New England Nor'easter, esp. NY/MA/maritime --298-301
5. 1913 -- Nov 7-10, Great Lakes Blizzard "The Big Blow," 12 U.S. Ships Lost --200-300
6. 1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave --108-268
7. 1798 -- Nov 17-21, New England blizzard and maritime storm -- >200
8. 1940 -- Nov 11-12, Armistice Day storm, esp. IL/13, Lake MI/66, MN/49, WI/13 --166-170
9. 1996 -- Jan 6-8, Blizzard of '96, East Coast and Northeast -- 154
10. 1941 -- Mar 15, North Dakota and Minnesota Blizzard -- 151

11. 1978 -- Jan 25-27, Gulf / Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH--143-150
12. 1978 -- Feb 5-7, Nor'easter/blizzard, Northeast, esp. CT, NJ, NY, MA/73, RI/>20 --119-129
13. 1778 -- Dec 26-27, PA and New England blizzard ("Hessian Storm"), especially RI -- 125
14. 1967 -- Jan 26-27, Great Midwest Blizzard, IL, IN, MI especially Chicago, IL --100-111
15. 1922 -- Jan 27-28, Knickerbocker Blizzard, theater collapse, Mid-Atlantic Reg. --98-108
16. 1999 -- Jan 1-4, Midwest blizzard/freezing, especially greater Chicago vic., IL --73-~100
17. 1975 -- Jan 10-12, winter storm/blizzard, esp. IA/15 MN/35 NE/14 ND/12 SD/8 --89-90
18. 1873 -- Jan 7-9, blizzard, MN -- 70
19. 1961 -- Jan 19-20, Nor'easter snowstorm, East Coast and Northeast, esp. PA (21)³²⁹⁰ --60-69
20. 1982 -- Apr 5-8, snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH³²⁹¹ --61-67
21. 1983 -- Feb 10-12, snow storm/blizzard, Mid-Atlantic, Southern New England --31-54
22. 1984 -- Feb 4-5, snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN (16)³²⁹² --47-52
23. 1977 -- Jan 27-Jan 31, winter storm/blizzard, esp. NE OH, Buffalo & NW NY --34-49
24. 1966 -- Mar 22-24, Midwest blizzard/snowstorm, esp. NE (21), IA (6-7), MN (6-9) --41-46
25. 1949 -- Jan 2-5, blizzard and extreme cold, CO/7, NE/20, SD/1, WY/12 -- 40
26. 1971 -- Jan 4, blizzard, KS, WI, and especially IA -- 27
27. 1956 -- Feb 01-5, ice/snow/blizzard/cold, NM/3, TX/16-23, esp. north & central TX --19-26
28. 1966 -- Mar 02-05, snowstorm/blizzard, esp. MN (7), NE (1), ND (5), SD (7-8) --20-21
29. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY³²⁹³ ~20
30. 1873 -- Apr 13, "Easter Blizzard," NE -- <20
31. 1990 -- Feb 24, blizzard, OH -- 12
32. 1997 -- Oct 24-25, blizzard, Colorado -- 10

- 1986 -- May 14-15, blizzard, Oregon Episcopal School mt. climbing group, Mt. Hood, OR--9

³²⁹⁰ Not a blizzard in all 13 States plus DC where deaths occurred, but was a blizzard or "blizzard-like" in several.

³²⁹¹ Not all of these deaths were due to blizzard conditions.

³²⁹² The 16 MN deaths were all attributable to the blizzard; many, but not all, of the deaths elsewhere were as well.

³²⁹³ Cross-listed under Maritime.

BLIZZARDS -- Subset of **winter Storms** -- **Chronological**

1. 1778 -- Dec 26-27, PA and New England blizzard (“Hessian Storm”), especially RI -- 125
2. 1798 -- Nov 17-21, New England blizzard and maritime storm -- >200
3. 1811 -- Dec 23-24, winter storm/blizzard, maritime losses, northern Long Island, NY³²⁹⁴ ~20
4. 1873 -- Jan 07-09, blizzard, MN -- 70
5. 1873 -- Apr 13, “Easter Blizzard,” NE -- <20
6. 1888 -- Jan 12, blizzard and extreme cold, especially Dakota Territory, MN & NE --315-500
7. 1888 -- Mar 11-14, mid-Atlantic/New England nor’easter, esp. NY/MA/maritime --298-301
8. 1913 -- Nov 7-10, Great Lakes Blizzard “The Big Blow,” 12 U.S. ships lost --200-300
9. 1922 -- Jan 27-28, Knickerbocker Blizzard, Theater Collapse, Mid-Atlantic Reg. --98-108
10. 1940 -- Nov 11-12, Armistice Day blizzard, esp. IL/13, Lake MI/66, MN/49, WI/13 -166-170
11. 1941 -- Mar 15, North Dakota and Minnesota blizzard -- 151
12. 1949 -- Jan 2-5, blizzard and extreme cold, CO/7, NE/20, SD/1, WY/12 -- 40
13. 1950 -- Nov 24-27, “Storm of the Century,” esp. IN, KY, MI, NJ, NY, OH, PA, WV-353-383
14. 1956 -- Feb 01-5, ice/snow/blizzard/cold, NM/3, TX/16-23, esp. north & central TX --19-26
15. 1960 -- Dec 10-12, mid to north Eastcoast snowstorm/blizzard/coldwave --108-268
16. 1961 -- Jan 19-20, Nor’easter snowstorm, East Coast and Northeast, esp. PA (21)³²⁹⁵ --60-69
17. 1966 -- Mar 02-05, snowstorm/blizzard, esp. MN (7), NE (1), ND (5), SD (7-8) --20-21
18. 1966 -- Mar 22-24, Midwest blizzard/snowstorm, esp. NE (21), IA (6-7), MN (6-9) --41-46
19. 1967 -- Jan 26-27, Great Midwest Blizzard, IL, IN, MI especially Chicago, IL --100-111
20. 1971 -- Jan 04, blizzard, KS, WI, and especially IA -- 27
21. 1975 -- Jan 10-12, winter storm/blizzard, esp. IA/15 MN/35 NE/14 ND/12 SD/8 --89-90
22. 1977 -- Jan 27-Jan 31, winter storm/blizzard, esp. NE OH, Buffalo & NW NY --34-49
23. 1978 -- Jan 25-27, Gulf / Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH--143-150
24. 1978 -- Feb 05-7, nor’easter/blizzard, Northeast, esp. CT, NJ, NY, MA/73, RI/≥20 --119-129
25. 1982 -- Apr 05-08, snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH --61-67
26. 1983 -- Feb 10-12, snow storm/blizzard, Mid-Atlantic, Southern New England --31-54
27. 1984 -- Feb 04-5, snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN (16)³²⁹⁶-47-52
1986 -- May 14-15, blizzard, OR Episcopal School mt. climbing group, Mt. Hood, OR-- 9
28. 1990 -- Feb 24, blizzard, OH -- 12
29. 1993 -- Mar 12-13, East Seaboard storm/blizzard, “Superstorm of 1993” --270-318

³²⁹⁴ Cross-listed under Maritime.

³²⁹⁵ Not a blizzard in all 13 States plus DC where deaths occurred, but was a blizzard or “blizzard-like” in several.

³²⁹⁶ The 16 MN deaths were all attributable to the blizzard; many, but not all, of the deaths elsewhere were as well.

- 30. 1996 -- Jan 06-09, blizzard/snow; Midwest/South/& esp. East Coast/Northeast --154-208
- 31. 1997 -- Oct 24-25, blizzard, Colorado -- 10
- 32. 1999 -- Jan 01-04, Midwest blizzard/freeze, especially greater Chicago vic., IL --73~100

Nor'easters Subset of **winter Storms** -- -- Deadliest American

1. 1950 -- Nov 24-27, Eastern U.S. "Great Appalachian Storm" Nor'easter -- 383
2. 1888 -- Mar 11-14, Mid-Atlantic/New England Nor'easter, esp. NY/MA/maritime --298-301
3. 1978 -- Feb 5-7, Nor'easter/blizzard, Northeast, esp. CT, NJ, NY, MA/73, RI/ \geq 20 --119-129
4. 1962 -- Mar 5-9, "Ash Wednesday" Nor'easter, Mid Atlantic States -- 40
5. 1945 -- Nov 29-30, New Jersey, New York and New England Nor'easter --26-38
6. 2011 -- Oct 29, Nor'easter Snowstorm, Northeast -- CT, MA, NJ, NY, MA, PA -- 36
7. 1984 -- Mar 28- 30, Nor'easter, wind/snow storms, Northeast, esp. NY/~16, PA/~11³²⁹⁷--~33
8. 1992 -- Dec 10-13, East Coast Nor'easter, snow & high waves/wind; esp. PA (9) -- ~23
9. 2013 -- Feb 08-09, winter storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY -- 18
10. 1991 -- Oct 28-Nov 01, Perfect Storm Nor'easter, East Coast, *Andrea Gail* lost -- 13

³²⁹⁷ Given heavy snow, blizzard conditions in some locations and general description as nor'easter, placing in "winter storms" even though late March is in the Spring season.

Wood Alcohol Poisoning -- By Mortality

1. 1919 -- Dec 25-30, wood alcohol poisoning, esp. Chicopee MA, Hartford CT, NJ/IL/PA-128-136
 2. 1926 -- July 22-Aug 02, wood alcohol poisonings, Buffalo, NY and vicinity -- 45
 3. 1951 -- Oct 21-25, wood alcohol (methanol) poisoning, Atlanta (also Winder), GA -- 41
 4. 1958 -- Feb 22-Mar 04, bootleg wood alcohol poisonings, mostly Spanish Harlem, NYC-- 27
 5. 1905 -- wood alcohol poisonings, NYC, NY -- >25
 6. 1922 -- Jan 20-Feb 17, wood alcohol poisoning, Hoboken and Ridgefield Park NJ -- 16
 7. 1921 -- Dec 24-Jan 3, wood alcohol poisoning, NYC (10) and Pittsburg, PA (4) -- 14
 8. 1919 -- Nov 22-Dec 05, wood alcohol poisoning, New York City, NY --11-12
 9. 1922 -- Jan 07-11, wood alcohol poisoning, NJ, especially Hoboken, NJ -- 11
 10. 1922 -- Sep 05-11, wood alcohol poisoning, NYC, NY -- 11
- 1919 -- Aug 03-09, wood alcohol poisoning, Hannah, ND -- 5
1914 -- Feb 25~, wood alcohol poisoning, Italian wedding party, NYC, NY -- 3

Wood Alcohol Poisoning -- Chronological

1. 1905 -- wood alcohol poisoning, NYC, NY -- >25
1914 -- Feb 25~, wood alcohol poisoning, Italian wedding party, NYC, NY -- 3
1919 -- Aug 03-09, wood alcohol poisoning, Hannah, ND -- 5
2. 1919 -- Nov 22-Dec 5, wood alcohol poisoning, New York City, NY --11-12
3. 1919 -- Dec 25-30, wood alcohol poisoning, esp. Chicopee MA, Hartford CT, NJ/IL/PA -128-136
4. 1921 -- Dec 24-Jan 03, wood alcohol poisoning, NYC (10) and Pittsburg, PA (4) -- 14
5. 1922 -- Jan 07-11, wood alcohol poisoning, NJ, especially Hoboken, NJ -- 11
6. 1922 -- Jan 20-Feb 17, wood alcohol poisoning, Hoboken and Ridgefield Park, NJ -- 16
7. 1922 -- Sep 05-11, wood alcohol poisoning, NYC, NY -- 11
8. 1926 -- July 22-Aug 2, wood alcohol poisonings, Buffalo, NY and vicinity -- 45
9. 1951 -- Oct 21-25, wood alcohol (methanol) poisoning, Atlanta (also Winder), GA -- 41
10. 1958 -- Feb 22-Mar 04, bootleg wood alcohol poisonings, mostly Spanish Harlem, NYC-- 27