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 1492

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

**TYPOLOGY**

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Go to Homepage to access:

Chronology of Events.
States, District of Columbia, and U.S. Territories breakout.
Rank-Ordering within Types by State.
Spreadsheet.
Listed by number of events:

Human
Maritime Sea & Inland water craft --1,203
Aviation -- 942
Violence\(^1\) -- 479
Arson Manslaughter 40
Attacks/Battles (not during war) 49
Bombings 17
Civil War Atrocities/War Crimes 18
Crushing/Trampling/Suffocation 22
Dehydration 1
Forced Marches/Relocations\(^2\) 2
Governmental Use of Force 14
Labor-Related 23
Mass Murder/Manslaughter\(^3\) 10
Mass Suicide 1
Massacres by Native Americans 79
Massacres of Native Americans 88
Massacres/Atrocities, Other 14
Negligence 1
Plane bombs/deliberately crashed 7
Poisoning (intentional) 1
Political Violence 27
Prison Riots 2
Racial/Ethnic Incidents, Riots 48
Religious Incidents / Riots 9
Sabotage 4
Shootings/Gun Violence\(^4\) 33
School Shootings\(^5\) --9
Shootout (2-28-1993 Davidians) 1
Shot down by air-to-air missile 1
Terrorism 13
Fires, Structural -- 413
Mine and Tunnel -- 385
Rail\(^6\) -- 357

Human (continued)
Explosions, commercial, indus., mil. -- 244
Road/Hwy bus, car, coach, truck, van-- 138
Structural Failures -- 132
Bridge/Trestle, Rail -- 26
Bridge, Road/Hwy -- 10
Buildings/Components-- 31
Construction -- 20
Dam, Dike, Levee -- 35
Other Structural -- 12
Hazardous Materials Transportation -- 38
Tainted Food, Drugs, Medication -- 15
Carbon Monoxide / Gas Poisoning -- 10
Wood Alcohol Poisoning -- 9
Environmental Smog / Pollution -- 3
Auto Racing Accidents -- 1

Natural
Diseases, infectious/contagious\(^7\) -- 890
Tornadoes (including outbreaks) -- 440
Flooding (not including Mines) -- 197
Hurricanes & Tropical Storms -- 184
Winter Storms/Weather/Exposure/Cold--142
Fog, Contributing Factor -- 81
Heat -- 81
Fire--Forest, Prairie and Wildfires\(^8\) -- 36
Avalanche/Snowslide -- 20
Landslides, Mudslides, Debris Flows -- 20
Wind Storms/Severe Thunderstorms -- 19
Earthquakes -- 17
Lightning and Lightning-Related -- 12
Drownings (not watercraft related)\(^9\) -- 9
Tsunamis -- 7
Starvation -- 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

\(^1\) Sub-listings greater than Total due to cross-listings.
\(^2\) Incomplete – on “to-do” list.
\(^3\) See Shooting Incidents for Mass Murder/Manslaughter using firearms.
\(^4\) 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.
\(^5\) One school bombing (Bath) is included.

\(^6\) Rail type refers to trains, electric rail, trolleys, streetcars, and subways.
\(^7\) Generally. An exception is inclusion of scurvy.
\(^8\) Some wildfires noted were human-caused.
\(^9\) 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

<table>
<thead>
<tr>
<th>Event</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Automobile Racing</td>
<td>1</td>
</tr>
<tr>
<td>Avalanche/Snowslide</td>
<td>20</td>
</tr>
<tr>
<td>Aviation</td>
<td>942</td>
</tr>
<tr>
<td>Air Shows and Races</td>
<td>10</td>
</tr>
<tr>
<td>Bird Strike</td>
<td>3</td>
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<tr>
<td>Business/Corporate</td>
<td></td>
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<tr>
<td>Charter</td>
<td></td>
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<tr>
<td>Helicopter/Tilt-Rotor</td>
<td>25</td>
</tr>
<tr>
<td>Lighter-than-air balloons/blimps/dirigibles</td>
<td>8</td>
</tr>
<tr>
<td>Military</td>
<td>592</td>
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<tr>
<td>Parachuting/Skydiving</td>
<td>12</td>
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<tr>
<td>Private</td>
<td></td>
</tr>
<tr>
<td>Scheduled Gen. Aviation Carriers</td>
<td></td>
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<tr>
<td>US Shootdown of passenger plane</td>
<td>1</td>
</tr>
<tr>
<td>Carbon Monoxide / Gas Poisoning</td>
<td>10</td>
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<tr>
<td>Diseases, especially communicable, esp. epidemics</td>
<td>890</td>
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<tr>
<td>Adenovirus infection</td>
<td>20</td>
</tr>
<tr>
<td>Anthrax</td>
<td>9</td>
</tr>
<tr>
<td>Chickenpox</td>
<td>38</td>
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<tr>
<td>Cholera</td>
<td>19</td>
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<tr>
<td>Croup</td>
<td>5</td>
</tr>
<tr>
<td>Diarrhoea, Enteritis and Gastroenteritis of Infectious Origin</td>
<td>19</td>
</tr>
<tr>
<td>Diphtheria</td>
<td>45</td>
</tr>
<tr>
<td>Dysentery / Shigellosis</td>
<td>39</td>
</tr>
<tr>
<td>Enterovirus outbreak (2014)</td>
<td>1</td>
</tr>
<tr>
<td>German Measles (Rubella)</td>
<td>2</td>
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<tr>
<td>Hantavirus</td>
<td>8</td>
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<tr>
<td>Hepatitis (viral), especially Hepatitis A</td>
<td>1</td>
</tr>
<tr>
<td>HIV / Aids (2010 only)</td>
<td></td>
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<tr>
<td>Influenza</td>
<td>78</td>
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<tr>
<td>Legionnaires’</td>
<td>2</td>
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<tr>
<td>Lung Fever (pneumonia)</td>
<td>1</td>
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<tr>
<td>Malaria/malarial fevers (Small sampling.)</td>
<td>18</td>
</tr>
<tr>
<td>Measles (Rubella)</td>
<td>45</td>
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<tr>
<td>Meningococcal Meningitis</td>
<td>46</td>
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<tr>
<td>Plague</td>
<td>4</td>
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<tr>
<td>Pneumonia &amp; Pleurisy</td>
<td>3</td>
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</tbody>
</table>

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10 An exception is inclusion of scurvy in this typology.
11 It is not uncommon to see Influenza and pneumonia listed together in mortality statistics; however, during the Civil War the U.S. Army Surgeon General reported on Pneumonia and Pleurisy deaths amongst Confederate and Union prisoners of War in various camps, which is why we have this category. Pleurisy is an inflammation of the pleura (or chest and lung linings), with the top three causes noted as viral infection (such as influenza), bacterial infection (such as pneumonia), and fungal infection. (Mayo Clinic)
-- 60 Polio/Acute Poliomyelitis (Small sampling)
-- 41 Scarlet Fever (Small sampling of years to compare with other diseases.)
-- 10 Scurvy (Exception to communicable diseases within typology.)
-- 98 Smallpox
-- 18 Streptococcal toxic shock syndrome
-- 65 Tuberculosis (Small sampling of years to compare with other diseases.)
-- 34 Typhoid Fever (Small sampling of years to compare with other diseases.)
-- 4 Typhus
-- 32 Whooping Cough (Small sampling of years to compare with other diseases.)
-- 98 Yellow Fever
-- 21 Other
Drownings (not watercraft, storm surge or flood related) -- 9
Dust/Sand Storm/Dust Bowl-related -- 5
Earthquakes -- 17
Environmental Smog / Pollution -- 3
Explosions, commercial, industrial, military (excluding maritime and mining) -- 244
  Blasting Agents/Dynamite/Explosives/Fireworks/Gunpowder/Munitions -- 95
  Chemicals -- 15
  Dust -- 13
  Fumes, Fuel Vapor, Natural Gas, LNG, LPG -- 43
  Gasoline, Kerosene, Naptha, Oil -- 13
  Machinery, Boilers, Engines -- 28
  Other -- 6
Fires -- Forest, Prairie and Wildfires -- 36
Fires, Structural -- 413
  Arson, Bombing -- 40
  Churches -- 2
  Commercial (retail) -- 22
  Conflagration, urban -- 15
  Entertainment (Nightclubs, Dance/Gambling Halls, Supper/Social Clubs, Cocktail Lounge) -- 19
  Hotels and motels, country clubs (temporary lodging) -- 79
  Industrial – Production, Manufacturing, Warehouses, Wholesale -- 57
  Institutional – Hospitals -- 7
  Institutional – Mental Asylums/Boarding Homes -- 16
  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) -- 26
  Tenements, apartments, boarding houses, row-houses, barracks -- 71
  Terrorism -- 4
  Theaters and Opera Houses -- 11
  Other -- 9
Floods and Flooding (not including Mines) -- 197
Fog (as a contributing factor) -- 81
<table>
<thead>
<tr>
<th>Event</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hail</td>
<td>1</td>
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<tr>
<td>Hazardous Materials Transportation</td>
<td>38</td>
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<tr>
<td>Heat</td>
<td>81</td>
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<tr>
<td>Hurricanes and Tropical Storms</td>
<td>184</td>
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<tr>
<td>Landslides, Mudslides, Debris Flows</td>
<td>20</td>
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<tr>
<td>Lightning and Lightning-Related</td>
<td>12</td>
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<tr>
<td>Maritime (sea and inland water craft)</td>
<td>1203</td>
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<tr>
<td>- Boiler Flue Collapse, Scalding</td>
<td>11</td>
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<tr>
<td>- Collisions</td>
<td>136</td>
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<tr>
<td>- Disease (epidemical outbreaks)</td>
<td>38</td>
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<tr>
<td>- Explosions</td>
<td>205</td>
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<tr>
<td>- Fire</td>
<td>100</td>
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<tr>
<td>- Foundering (sinking/capsizing/swamped)</td>
<td>106</td>
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<tr>
<td>- Grounding (bars, reefs, rocks, shore)</td>
<td>70</td>
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<tr>
<td>- Lost</td>
<td>181</td>
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<tr>
<td>- Offshore oil platforms</td>
<td>6</td>
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<tr>
<td>- Snags and Sawyers</td>
<td>36</td>
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<tr>
<td>- Storms</td>
<td>295</td>
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<tr>
<td>- Other</td>
<td>29</td>
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<td>Mining, Quarrying, Tunneling, Subsidence</td>
<td>385</td>
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<tr>
<td>- Mining</td>
<td>364</td>
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<tr>
<td>- Quarrying</td>
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<tr>
<td>- Subsidence</td>
<td>1</td>
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<tr>
<td>- Tunneling</td>
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<td>Rail12</td>
<td>357</td>
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<tr>
<td>Road/Highway Vehicular Events</td>
<td>138</td>
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<tr>
<td>- Automobile, pickup, SUV, van</td>
<td>27</td>
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<tr>
<td>- Bridge or Span Collapse</td>
<td>8</td>
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<tr>
<td>- Bus/Motorcoach (non school-bus)</td>
<td>49</td>
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<tr>
<td>- Multi-vehicle crashes/pileups</td>
<td>7</td>
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<tr>
<td>- Rail crossings/collisions with trains</td>
<td>31</td>
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<tr>
<td>- School Busses</td>
<td>12</td>
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<tr>
<td>- Trucks (large)/tractor trailers/tankers</td>
<td>35</td>
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<tr>
<td>Southeaster North Pacific (Alaska) Storm</td>
<td>1</td>
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<tr>
<td>Starvation</td>
<td>6</td>
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<tr>
<td>Structural Failures</td>
<td>132</td>
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<tr>
<td>- Bridge/Trestle, Rail</td>
<td>26</td>
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<tr>
<td>- Bridge, Road/Hwy/pedestrian</td>
<td>10</td>
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<tr>
<td>- Buildings/Components</td>
<td>31</td>
</tr>
<tr>
<td>- Construction Work</td>
<td>20</td>
</tr>
<tr>
<td>- Dam, Dike, Levee</td>
<td>35</td>
</tr>
<tr>
<td>- Other Structural</td>
<td>12</td>
</tr>
<tr>
<td>Tainted Food, Drugs, Medications</td>
<td>15</td>
</tr>
<tr>
<td>Tornadoes (including outbreaks of more than one)</td>
<td>440</td>
</tr>
<tr>
<td>Tsunamis</td>
<td>7</td>
</tr>
</tbody>
</table>

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12 Rail type refers to trains, electric rail, trolleys, streetcars, and subways.
<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
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</thead>
<tbody>
<tr>
<td>Arson Manslaughter/Homicide</td>
<td>--40</td>
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<tr>
<td>Attacks/Battles (not during war)</td>
<td>--49</td>
</tr>
<tr>
<td>Bombings</td>
<td>--17</td>
</tr>
<tr>
<td>Civil War Atrocities/War Crimes</td>
<td>--18</td>
</tr>
<tr>
<td>Crushing/Trampling/Suffocation</td>
<td>--22</td>
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<tr>
<td>Dehydration</td>
<td>--1</td>
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<tr>
<td>Forced Marches/Relocations^{14}</td>
<td>--2</td>
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<tr>
<td>Governmental Use of Force</td>
<td>--14</td>
</tr>
<tr>
<td>Labor-Related</td>
<td>--23</td>
</tr>
<tr>
<td>Mass Murder/Manslaughter^{15}</td>
<td>--10</td>
</tr>
<tr>
<td>Mass Suicide</td>
<td>--1</td>
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<tr>
<td>Massacres by Native Americans</td>
<td>--79</td>
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<tr>
<td>Massacres of Native Americans</td>
<td>--88</td>
</tr>
<tr>
<td>Massacres/Other</td>
<td>--15</td>
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<tr>
<td>Negligence</td>
<td>--1</td>
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<tr>
<td>Planes blown-up/crashed</td>
<td>--7</td>
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<tr>
<td>Poisoning, intentional</td>
<td>--1</td>
</tr>
<tr>
<td>Political Violence</td>
<td>--27</td>
</tr>
<tr>
<td>Prison Riots</td>
<td>--2</td>
</tr>
<tr>
<td>Racial/Ethnic Incidents/Riots</td>
<td>--48</td>
</tr>
<tr>
<td>Religious Incidents / Riots</td>
<td>--9</td>
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<tr>
<td>Sabotage</td>
<td>--4</td>
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<tr>
<td>Shootings/Gun Violence</td>
<td>--33</td>
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<tr>
<td>School Shootings^{16}</td>
<td>--9</td>
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<tr>
<td>Workplace Shootings</td>
<td>--5</td>
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<tr>
<td>Shootout (2-28-1993 ATF/Davidians)</td>
<td>--1</td>
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<tr>
<td>Plane shot down by air-to-air missile</td>
<td>--1</td>
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<tr>
<td>Terrorism</td>
<td>--13</td>
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<tr>
<td>Volcano Eruptions</td>
<td>--3</td>
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<tr>
<td>Wind Storms/Severe Thunderstorms</td>
<td>--18</td>
</tr>
<tr>
<td>Winter Storms/Weather/Exposure/Cold</td>
<td>--142</td>
</tr>
<tr>
<td>Wood Alcohol Poisoning</td>
<td>--9</td>
</tr>
</tbody>
</table>

^{13} Sub-listings greater than Total due to cross-listings.  
^{14} Incomplete – on “to-do” list.  
^{15} See Shooting Incidents for Mass Murder/Manslaughter using firearms.  
^{16} One school bombing (Bath) is included.
Top Ten Typologies (number of events in which 10 or more people died)

1. Maritime/sea & inland water craft -- 1,202
2. Aviation -- 942
3. Diseases, select communicable -- 890
4. Violence -- 479
5. Tornadoes (including outbreaks) -- 440
6. Fires, Structural -- 413
7. Mine and Tunnel -- 385
8. Rail\textsuperscript{17} -- 357
9. Explosions, commercial, indus., mil. -- 244
10. Flooding (not including Mines) -- 197

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

11. Hurricanes & Tropical Storms -- 184
12. Winter Storms/Weather/Exposure/Cold--142
13. Road/Hwy bus, car, coach, truck, van-- 138
14. Structural Failures -- 132
15. Fog, Contributing Factor -- 81
16. Heat -- 81
17. Hazardous Materials Transportation -- 38
18. Fires -- Forest, Prairie and Wildfires -- 36
19. Avalanche/Snowslide -- 20
20. Landslides, Mudslides, Debris Flows -- 20
21. Wind Storms/Severe Thunderstorms -- 18
22. Earthquakes -- 17
23. Tainted Food, Drugs, Medications -- 15
24. Lightning and Lightning-Related -- 12
25. Carbon Monoxide / Gas Poisoning -- 10
26. Drownings, especially swimming -- 9 (not watercraft, storm surge, flood related)
27. Wood Alcohol Poisoning -- 9
28. Tsunamis -- 7
29. Starvation -- 6
30. Dust/Sand Storm/Dust Bowl-related -- 5
31. Environmental Smog / Pollution -- 3
32. Volcano -- 3
33. Auto Racing Accidents -- 1
34. Hail (aviation related) -- 1
35. Southeaster North Pacific (AK) storm-- 1
36. Tainted medications -- 1

The “Types” noted below could be reorganized into “Natural,” “Man-Made” (Non-Intentional), and “Man-Made (Intentional) – or other broad typologies of one’s preference. However, because

\textsuperscript{17} Rail type refers to trains, electric rail, trolleys, streetcars, and subways.
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 “want 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, MD\(^{18}\)  -- 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
9. 1999 -- May 1, Spectators killed by debris; VisionAire 500 Race crash, Concord, NC  -- 3

\(^{18}\) Cross-listed in Road/Highway.
**AVALANCHE/Snow or Ice Slide – Deadliest American – By Fatalities**

1. 1910 -- Mar 01, Avalanche, Derails Two Trains,\(^{19}\) Stevens Pass, Wellington, WA -- 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, 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 -- 40
7. 1885 -- Feb 13, Avalanche, Alta, UT -- 30
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, Snow Storm, 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 Lmtd. Train, Cascades, ~Corea Station, WA -- 7-8
1962 -- Jan 21, Avalanche hits two 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 -- March 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

\(^{19}\) Cross-listed in Rail
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 Snow Slide, 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, Snow Storm, Avalanches, CO -- 16

14. 1910 -- Mar 01, Avalanche, Derails Two Trains, Stevens Pass, Wellington, WA -- 118


16. 1911 -- Mar 10?, Avalanches, Mono County, CA -- 17

17. 1911 -- Mar 11, Avalanche, Hydro-Electric Company Plant Employees, Jordan, NV -- 8-11

18. 1916 -- Jan 22, Avalanche hits Cascade Lmtd. Train, Cascades, ~Corea Station, WA -- 7-8

19. 1917 -- Feb 25, Avalanche, North Star Gold/Lead/Silver Mine Snow Slide, Hailey, ID-- 17

20. 1926 -- Feb 17, Avalanche, Sap Gulch, Bingham, UT -- 40

2013 -- Apr 20, Avalanche, snowboarders, west flank Mt. Sniktau ~Loveland Pass, CO-- 5

20 Cross-listed in Rail
AVIATION RACING/SHOW Incidents – Deadliest American – By MORTALITY

1. 1972 -- Sep 24, Air Show Plane Crash/Fire, Ice Cream Parlor, Sacramento, CA -- 22
2. 1951 -- Sep 15, Stunt Plane Crash, Airshow, Flagler, CO -- 20
3. 2011 -- Sep 16, National Championship Air Race Crash into Grandstand, Reno, NV21 -- 11
4. 1930 -- Apr 27, Plane Buzzes Spectators, Crashes at Air Show near Fayetteville, TN -- 9
5. 1982 -- Sep 11, USAF Chinook Crash, Airshow, ~Mannheim, Germany -- 46, U.S. 7-8
8. 1940 -- Oct 20, Plane Catches Parachute’s Shrouds, Crashes, Marianna Airshow, AR -- 6
9. 1945 -- May 27, Plane Crash debris hits car, USAAF Show, Wright Field, Dayton, OH-- 5
10. 1949 -- Sep 05, P-51 Mustang Plane Crash, Cleveland Air Races, OH -- 3

AVIATION RACING/SHOW Incidents – Deadliest American – CHRONOLOGICAL

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, Plane Crash debris hits car, USAAF Show, Wright Field, Dayton, OH-- 5
5. 1946 -- Aug 09, USAF A-26 Bombers Collide, 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, Stunt Plane Crash, Airshow, Flagler, CO -- 20
8. 1972 -- Sep 24, Air Show Plane Crash/Fire, Ice Cream Parlor, Sacramento, CA -- 22
9. 1982 -- Sep 11, USAF Chinook Crash, Airshow, ~Mannheim, Germany -- 46, U.S. 7-8
10. 2011 -- Sep 16, National Championship Air Race Crash into Grandstand, Reno, NV22 -- 11

21 Cross-listed in Aviation.
22 Cross-listed in Aviation.
1. 2001 -- Sep 11, American 11 Hi-hacked, flown into WTC North, NY -- 1,392-1,431
2. 2001 -- Sep 11, United Air 175 Hi-jacked, flown into WTC South, NY -- 665
3. 1977 -- March 27, KLM 4805/Pan Am 1736 Collide, fog, Tenerife Airport, Canary Is. -- ~339
4. 1988 -- July 3, USS *Vincennes* missile cruiser shoots down Iran Air 655, Persian Gulf -- 290
5. 1979 -- May 25, American Airlines #191 takeoff crash, O'Hare IAP, Chicago, IL -- 273
7. 2001 -- Nov 12, American Airlines flight 587 Crash, Bell Harbor, Queens, NY -- 265
8. 1985 -- Dec 12, Crash, US Mil. Charter, Arrow Air #1285, Gander, Newfoundland, Canada -- 256
9. 1996 -- July 17, TWA Flight 800, From JFK Explodes Over Ocean off NY -- 230
10. 1999 -- Oct 31, Egypt Air 990 Crash, Mass Murder, off Nantucket Island, MA -- 217

11. 2001 -- Sep 11, American Airlines #77, Pentagon Attack, Arlington VA -- 189
12. 1987 -- Aug 16, Northwest Airlines Flight 255 takeoff crash, hits cars, Detroit, MI -- 156
14. 1982 -- July 9, Pan Am 759 takeoff crash (windshear), NOIA, Kenner, LA -- 153-154
15. 1978 -- Sep 25, Pacific Southwest 182/Cessna collide, fall onto homes, fire, San Diego, CA -- 144
16. 1985 -- Aug 2, Delta Flight 191, Wind Shear, Crash, Dallas-Fort Worth IAP, TX -- 137
17. 1960 -- Dec 16, United/TWA Crash, Staten Island/Brooklyn, NY -- 134
18. 1994 -- Sep 08, US Air Flight 427 crashes, Aliquippa, near Pittsburgh Airport, PA -- 133
19. 1953 -- June 18, USAF Globemaster II Crash, Tachikawa AFB, Tokyo, Japan -- 129
20. 1956 -- Jun 30, TWA 2 & United 718 Collision, Grand Canyon AZ -- 128
21. 1998 -- Sep 2, Swissair 111 (NY to Geneva) crashes off Peggy’s Cove, N.S., Can.--229 (US 117)
22. 1975 -- Jun 24, Eastern Flight 66 Crashes, Microburst, JFK Airport, NY -- 113
23. 1989 -- July 19, United Flight 232 hydraulic system failure/crash, Sioux City, IA -- 112
24. 1971 -- Sep 4, Juneau approach crash, Alaska Air 1866, Mt. Fair (Chilkats), AK -- 111
25. 1996 -- May 11, ValuJet Flight 592 Cargo hold fire and crash, Everglades, FL -- 110
26. 1963 -- Jun 03, Northwest Air 293 Crash, North Pacific, off Annette Island., AK -- 101
27. 1972 -- Dec 29, Eastern Airlines Flight 401 Crash, Everglades, FL -- 101
28. 1974 -- Jan 30, Pan Am 806 Plane Crash, Pago Pago, American Samoa -- 97
29. 1962 -- March 16, Flying Tiger Charter Flight 739 Disappears, Western Pacific -- 96
30. 1962 -- March 1, American Air Flight 1 Crashes, Jamaica Bay, Queens, NY -- 95
31. 1983 -- Sep 1, Korean Air 007 (NY to Seoul) shot down by USSR off Sakhalin Isl. -- 269 (US 61-94)

23 With a few notable exceptions have not included US General Aviation disasters overseas.
24 Cross-listed in Violence-Terrorism.
25 Cross-listed in Violence-Terrorism.
26 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 the target was a military one representing a threat. Indeed retrieved onboard screen shots demonstrated that the 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 in that it was a U.S. Navy vessel that caused the disaster.
27 Cross-listed in Violence-Bombing and Violence-Terrorism.
28 Cross-listed in Violence-Mass Murder
29 Cross-listed in Violence-Terrorism.
30 The difference in number of fatalities has to do with 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).
31 111 deaths at the time and one of the seriously injured who died 31 days later from their burn injuries.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
<th>Date</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1974</td>
<td>Dec 01, TWA Flight 514 Flies Into Mt. Weather, VA</td>
<td>--</td>
<td>92</td>
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<tr>
<td>1973</td>
<td>July 31, Delta Air Flight 723 Crash/Fog, Seawall, Logan, Boston, MA</td>
<td>--</td>
<td>89</td>
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<tr>
<td>2000</td>
<td>Jan 31, Alaska Airlines Flight 261 Crash, Off Point Mugu, Ventura Co., CA</td>
<td>--</td>
<td>88</td>
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<tr>
<td>1952</td>
<td>Dec 20, USAF Globemaster II Cartwheels on takeoff, Larson AFB, WA</td>
<td>--</td>
<td>87</td>
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<tr>
<td>2001</td>
<td>Sep 11, American Air 11 Hijacked, flown into WTC North, NY</td>
<td>--</td>
<td>87</td>
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<tr>
<td>1964</td>
<td>Mar 01, Paradise Air Flight 901A, Crash/Snowstorm, Genoa Peak, NV</td>
<td>--</td>
<td>85</td>
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<tr>
<td>1965</td>
<td>June 25, USAF Boeing KC-135 Crash, El Toro Air Force Base, CA</td>
<td>--</td>
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<tr>
<td>1968</td>
<td>May 03, Braniff Flight 352 Crashes, Thunderstorm, Houston to Dallas TX</td>
<td>--</td>
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<tr>
<td>1965</td>
<td>Feb 08, Eastern Air # 663, Crashes, Jones Beach State Park, NY</td>
<td>--</td>
<td>84</td>
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<tr>
<td>1969</td>
<td>Sep 09, Allegheny Air Flight 853/Piper Collision, Fairland, IN</td>
<td>--</td>
<td>83</td>
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<tr>
<td>1966</td>
<td>Apr 22, American Flyers Airline Flight 280/D Crash, NE, Ardmore, OK</td>
<td>--</td>
<td>83</td>
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<tr>
<td>1967</td>
<td>July 19, Piedmont Flight 22 Collision Cessna 310, Asheville, NC</td>
<td>--</td>
<td>82</td>
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<tr>
<td>1986</td>
<td>Aug 31, Aeronaves de Mexico 498 &amp; Piper collide, Cerritos, CA (15 on ground)</td>
<td>--</td>
<td>82</td>
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<tr>
<td>1963</td>
<td>Dec 8, Pan Am Flight 214 Crash (Lightning), Elkton, MD</td>
<td>--</td>
<td>81</td>
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<tr>
<td>1960</td>
<td>Sep 19, World Air MAT Plane Crash, Agana Naval Air Station, Guam</td>
<td>--</td>
<td>80</td>
</tr>
<tr>
<td>1964</td>
<td>May 11, USAF C-135 hits fence/crashes, landing, Clark U.S. AB, Philippines</td>
<td>--</td>
<td>78-80</td>
</tr>
<tr>
<td>1961</td>
<td>Sep 01, TWA Flight 529 Crashes 9 Miles West of Chicago-Midway, IL</td>
<td>--</td>
<td>78</td>
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<tr>
<td>1982</td>
<td>Jan 13, Air Florida 90 Crash, 14th St. Bridge/Potomac River, Wash., DC</td>
<td>--</td>
<td>78</td>
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<tr>
<td>1961</td>
<td>Nov 08, Imperial Airlines Flight 22 Collision Cessna 310, Asheville, NC</td>
<td>--</td>
<td>77</td>
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<tr>
<td>1933</td>
<td>Apr 04, Dirigible Crash, USS Akron (Navy ZRS-4), off Coast of NJ</td>
<td>--</td>
<td>75</td>
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<tr>
<td>1970</td>
<td>Nov 14, Southern Airways Flight 932 Crash, Huntington, WV</td>
<td>--</td>
<td>75</td>
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<tr>
<td>1956</td>
<td>Jun 20, Linea Aeropostal Venezolana Crash, Ashbury Park, NJ</td>
<td>--</td>
<td>74</td>
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<tr>
<td>1979</td>
<td>Oct 31, Western Airlines Flight 2605 crash, Mexico City Int. Airport</td>
<td>--</td>
<td>73-34 U.S. of 73</td>
</tr>
<tr>
<td>1990</td>
<td>Jan 25, Avianca #52 runs out of fuel/crashes, Cove Neck, Long Island, NY</td>
<td>--</td>
<td>73</td>
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<tr>
<td>1974</td>
<td>Sep 11, Eastern Air Flight 212 Crashes in Fog, Charlotte, NC</td>
<td>--</td>
<td>72</td>
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<tr>
<td>1977</td>
<td>Apr 04, Thunder/Hailstorm, Southern Airways Flight 242 Crash, Hope, GA</td>
<td>--</td>
<td>72</td>
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<tr>
<td>1967</td>
<td>Nov 20, TWA Flight 128 Crashes, Constance, KY</td>
<td>--</td>
<td>70</td>
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<tr>
<td>1985</td>
<td>Jan 21, Galaxy Air Charter Flight 203 Crashes, Reno NV</td>
<td>--</td>
<td>70</td>
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<tr>
<td>1994</td>
<td>Oct 31, American Eagle Flight 4148 Crashes, Icing, Roselawn, IN</td>
<td>--</td>
<td>68</td>
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<tr>
<td>1955</td>
<td>Mar 22, US Navy R6D-1 Crashes, Waianae Range, NW of Honolulu, HI</td>
<td>--</td>
<td>66</td>
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<tr>
<td>1955</td>
<td>Aug 11, Two USAF C-119 Flying Boxcars Collide over Edelweiser, Germany</td>
<td>--</td>
<td>66</td>
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<tr>
<td>1955</td>
<td>Oct 06, United Flight 409 Crash, Medicine Bow Peak, near Centennial WY</td>
<td>--</td>
<td>66</td>
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<tr>
<td>1959</td>
<td>Feb 03, American Flight 320 Crashes into East River, NYC, NY</td>
<td>--</td>
<td>65</td>
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<tr>
<td>2001</td>
<td>Sep 11, American Airlines Hijacked, Flown into Pentagon, Arlington VA</td>
<td>--</td>
<td>64</td>
</tr>
<tr>
<td>1960</td>
<td>Mar 17, Northwest Flight 710 Breaks-up, Crashes near Tell City, IN</td>
<td>--</td>
<td>63</td>
</tr>
</tbody>
</table>

32 61-62 were U.S. citizens (depending on source). Thirty-two were foreign nationals living in the U.S.
33 Cross-listed in Fog as contributing condition.
34 Cross-listed in Violence-Terrorism; figure does not include 5 al-Qaeda Terrorists.
35 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.
36 Cross-listed in Hail as a contributing condition.
37 Cross-listed in Violence—Terrorism.
68. 2001 -- Sep 11, United Air 175 Hi-jacked, flown into WTC South, NY38 -- 60

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

69. 1956 -- Oct 10, USN MATS Transport Plane lost from UK to Lincoln AFB, NE -- 59
70. 1950 -- Jun 23, NW Orient 2501 Disappears, Lake MI, near Benton Harbor, MI -- 58
71. 1953 -- July 12, Transocean Air Flight 512 Crash, Pacific Ocean, Wake Is. to HI -- 58
72. 1964 -- Feb 25, Eastern Air Flight 304 Crashes in Lake Pontchartrain, LA -- 58
73. 1965 -- Nov 08, American 383 Crash, ~Cincinnati/N KY Airport, Constance, KY -- 58
74. 1951 -- Dec 16, Miami Airlines C-46 Crash, Elizabeth, NJ, near Newark Int. AP -- 56
75. 1949 -- Nov 01, Eastern Flight 537/Bolivian P-38 Jet Collide, Wash. Nat. AP, DC -- 55
77. 1947 -- May 30, Eastern Air Lines Flight 605 Crash, Near Bainbridge, MD -- 53
78. 1949 -- June 07, Strato-Freight from San Juan PR to Miami Crashes after takeoff -- 53
79. 1951 -- Mar 22, USAF C-124A Globemaster from Loring AFB Explodes, No. Atlantic-- 53
80. 1960 -- Dec 17, USAF C-131 Samaritan Takeoff Crash, Munich, Germany -- 51-53(20 U.S.)
81. 1947 -- Oct 24, United Flight 608 Crashes Near Bryce Canyon Airport, UT -- 52
82. 1952 -- Apr 11, Pan Am Air Flight 526 Plane Crash, off San Juan, Puerto Rico -- 52
83. 1952 -- Nov 22, USAF MATS C-124A Globemaster II crash, Mount Gannett, AK -- 52
84. 1947 -- Jun 13, PA-Central Air Flight 410 Crashes Near Lookout Rock, WV -- 50
85. 1951 -- Jun 30, United Flight 610 Crashes into Crystal Mt, near Ft. Collins, CO -- 50
86. 1951 -- Aug 24, United Flight 615 Crash/Fog, SW of Oakland Int., Airport, CA39 -- 50
87. 1960 -- Jan 18, Capital Airlines Flight 20 Crashes near Charles City, VA -- 50
88. 1971 -- Jun 06, Hughes Air 706/Marine Corps Phantom II Collide, Duarte, CA -- 50
89. 2009 -- Feb 12, Colgan Air/Continental Flight 3407 Crash, Clarence Center, NY -- 50
90. 1958 -- Apr 21, United 736 & USAF F-100 Fighter Plane Collision, ~Las Vegas, NV -- 49
91. 2006 -- Aug 27, Comair Flight 5191 Takeoff Crash, Lexington, KY -- 49
92. 1958 -- Feb 01, USAF C-118A/US Navy P2V-5F Collision, Norwalk, CA -- 48
93. 1958 -- Apr 06, Capital Airlines Flight 67 Crash, near Freeland, MI -- 47
94. 1970 -- Nov 27, Capitol Air Douglas DC-8 Takeoff Crash, Anchorage, AK -- 47
95. 1953 -- Feb 14, National Air 470 Plane Crash/Storm, Gulf of Mex., ~Mobile, AL -- 46
96. 1956 -- July 13, USAF Takeoff/Windshear Crash, near Brown’s Mills, NJ -- 46
97. 1962 -- May 22, Continental No. 11 Blown-Up over Unionville, MO40 -- 45
98. 1972 -- Dec 08, United Flight 533 Crashes, Midway Airport, Chicago, IL -- 45
99. 2001 -- Sep 11, United Airlines N591UA Hijacked, Crashed, Shanksville, PA41 -- 45
100. 1945 -- Nov 03, USAAF C-54 Crash, Himalayan Mountains, near Chukha, Bhutan -- 44
101. 1950 -- Jan 26, USAF SAC C-54 Transport Disappears, Yukon Territory, Canada -- 44
102. 1953 -- July 17, USMC R4Q “Packet” Plane Takeoff Crash/Fire, near Milton, FL -- 44
103. 1955 -- Nov 01, United Flight No. 629 Blown Up over Denver, CO42 -- 44

38 Cross-listed in Violence—Terrorism; figure does not include the five terrorists.
39 Cross-listed under Fog as contributing condition.
40 Cross-listed under Violence-Mass Murder
41 Cross-listed in Violence -- Terrorism
42 Cross-listed under Violence-Mass Murder
104. 1957 -- Nov 9, Pan Am Flight 7 Lost in Pacific from SF to Honolulu, HI

105. 1962 -- Sep 10, USAF SAC Tanker Approach Crash, M. Kit Carson ~Spokane, WA

106. 1964 -- May 07, Pacific Air 773 Crashes, San Ramon, CA, Pilot Shot

107. 1947 -- May 29, United Air Lines 521 Crashes/Burns, Take-off, La Guardia, NY

108. 1948 -- June 17, United Air Lines Flight 624 Crash, Mount Carmel, ~Shamokin, PA

109. 1951 -- Apr 25, Cubana Flight 493/US Navy Plane Collide, off Key West, FL

110. 1963 -- Feb 12, Northwest Air Flight 705 Crash, Everglades, near Miami, FL

111. 1965 -- Nov 11, United 227 Approach Crash, Salt Lake City Airport, UT

112. 1970 -- Oct 2, USAF C-130 Transport Plane Crash into mountain near Taipei, Taiwan

113. 1987 -- Dec 07, Pacific SW No, 1771 Hijacked/Crashed, Cayucos, CA

114. 1954 -- Oct 30/31, US Navy Transport Lost at Sea, Off Ocean City, MD

115. 1959 -- Nov 16, National Airlines Flight 967 Brought Down, Gulf of Mexico

116. 1953 -- Jan 07, Associated Air Transport Crash, W. of Fish Haven, ID

117. 1956 -- Feb 17, U.S. Navy Transport DC-4 Crash near Niles, CA

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

118. 1946 -- Oct 03, Amer. Overseas Air Crash, Harmon Field AFB, Newfoundland

119. 1950 -- July 23, Florida Air National Guard Curtis C-46 Crash, Myrtle Beach, SC

120. 1964 -- July 09, United Air Flight 823 Fire/Crash near Parrottsville, TN

121. 1968 -- Dec 2, Wien Consolidated Air #55 loses wing/turbulence/crashes, Pedro Bay, AK

122. 1967 -- Mar 05, Lake Central Airlines Flight 527 Crash near Marseilles, OH

123. 1969 -- Jan 18, United Flight 266 System Failure/Crash, Ocean off LA, CA

124. 1973 -- July 23, Ozark Air Flight 809 Crash, Hit by Downburst, St. Louis, MO

125. 1948 -- Aug 29, Northwest Orient Air Flight 421 Crashes NW of Winona, WI

126. 1951 -- July 21, US Military Charter, Canadian Pacific Air, Crashes near Sitka, AK

127. 1952 -- Nov 28, USAF Douglas C-54, Near Tacoma, WA

128. 1959 -- June 26, TWA 891 fuel explosion, thunderstorm static electricity, Italy

129. 1961 -- Sep 17, Northwest Flight 706, Takeoff Crash, O’Hare, Chicago, IL

130. 1976 -- Apr 27, American Air Flight 625, Crash, St. Thomas, Virgin Islands

131. 1971 -- Aug 18, USAF Chinook Helicopter explodes in air, Pegnitz, West Germany

132. 1994 -- July 02, US Air Douglas DC-9 Crash, Charlotte, NC

133. 1937 -- May 6, Deutsche Zeppelin Hindenburg Air Crash, Lakehurst, NJ

134. 1951 -- Nov 13, U.S. C-82 “Flying Boxcar” Crashes into Puy de Sancy Mt., France

135. 1952 -- Jan 19, Crash, US Mil. Charter, NW Orient 324, Korea-WA, off Sandspit BC

136. 1974 -- Mar 13, Sierra Pacific Air Convair CV-440 Crash, Bishop, CA

137. 1943 -- Jan 15, USAAF C-54 (TWA Contract), Crash, Dutch Guiana [Suriname]

138. 1949 -- July 12, Standard Air 897 Hits Mt. in Fog, Approach to Burbank CA

43 Cross-listed in Violence-Mass Murder.
44 Cross-listed in Violence-Mass Murder.
45 Cross-listed in Violence-Mass Murder.
46 Cross-listed in Fog as contributing condition.
139. 1950 -- Apr 21 USAF C-54 Skymaster Crash into Mt. in rainstorm near Atsugi, Japan -- 35
140. 1953 -- Mar 20, Transocean Air 942 (Military Charter) Crash, NE of Alvarado, CA -- 35
141. 1954 -- Feb 01, USAF C-46 Fire and Crash, Tsugaru Strait, off Hokkaido, Japan -- 35
142. 1960 -- Feb 25, USN R6D / DC-3 Collide in Fog off Rio de Janeiro, Brazil --61 (USN 35)
143. 1968 -- Aug 10, Piedmont Air 230 Plane Crash/Fog, Charleston, WV^47 -- 35
144. 1969 -- Feb 18, Hawthorne NV/Mineral Co. 708 Crash, Mt. Whitney, CA -- 35

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

146. 1922 -- Feb 21, Dirigible Roma Crashes, Hampton Roads Naval Base, VA -- 34
147. 1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA^48 --32-34
148. 1959 -- Sep 29, Braniff Air Flight 542 Breaks Up near Buffalo, TX -- 34
149. 1960 -- Jan 06, National Airlines Flight 2511 Blown-up, Bolivia, NC^49 -- 34
150. 1967 -- Jun 23, Mohawk Air Flight 40 Fire/Crash, Near Blossburg, PA -- 34
151. 1980 -- Sep 12, Florida Commuter Airlines Crash (not found) off Freeport, Bahamas-- 34
152. 1991 -- Feb 1, Landing plane (USAir 1493) hits SkyWest 5569 on runway, LAX, CA-- 34
153. 1952 -- Feb 11, National Air Flight 101 Takeoff Crash, Newark AP, NJ -- 33

155. 1948 -- Jan 28, Airline Transport Carriers Crash (U.S. INS Charter) ~Coalinga, CA -- 32
156. 1948 -- Dec 28, Airborne Transport (Charter) Crash, San Juan PR to Miami, FL -- 32
157. 1968 -- Oct 25, Approach Crash/Fog, Northeast Air 946, Moose Mt., NH^50 -- 32
158. 1970 -- Oct 2, Golden Eagle Aviation Crash, WSU FB team, w. of Silver Plume, CO-- 32

159. 1959 -- May 12, Plane Crash/Storm, Capital Air Flight 75, near Chase, MD -- 31
160. 1969 -- Apr 14, Navy EC-121M Shot Down by North Korea, Sea of Japan^51 -- 31
161. 1980 -- Mar 14, Polish Air approach crash (US boxing team) ~Warsaw AP, Poland--87, US/31
162. 1985 -- Sep 6, Midwest Express Airlines 105 crash upon departure, Milwaukee, WI -- 31

163. 1946 -- June 01, USAAF C-54 Cockpit Fire and Crash off Amalfi, Italy -- 30
164. 1948 -- March 12, Northwest Airlines Flight 4422 (charter) crash, Mt. Sanford, AK -- 30
165. 1952 -- Jan 22, American Airlines Approach Crash, SE of Newark IAP, NJ -- 30
166. 1955 -- Aug 04, American Air 476 Fire/Crash, Fort Leonard Wood, MO -- 30
167. 1965 -- Jan 16, USAF SAC Tanker Crash, Neighborhood, Wichita, KS -- 30

169. 1952 -- Apr 18, Robin Airlines Approach Crash, Whittier, CA -- 29
170. 1960 -- Sep 22, USMC Douglas R5D-3 Plane Crash 180 miles off Naha, Okinawa -- 29
171. 1964 -- Nov 15, Bonanza Air Flight 114 Crashes Near Las Vegas, NV -- 29
172. 1977 -- Dec 13, Univ. of Evansville Basketball Charter Plane Crash, Evansville, IN -- 29

^47 Cross-listed in Fog as contributing condition.
^48 Cross-listed in Fire-Structural.
^49 Cross-listed under Violence-Mass Murder.
^50 Cross-listed in Fog as contributing condition.
^51 Cross-listed in Violence (Attack).
173. 1997 -- Jan 09, Comair 3272 Crash, Snowstorm/Icing, near Monroe & Detroit, MI -- 29

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

174. 1944 -- Aug 03, USAAF Douglas D-47 Crash, Thunderstorm, Napier, NE -- 28
175. 1946 -- May 10, Mid-Air Collision, 2 USN Bombers, Near Munson, FL -- 28
176. 1949 -- Nov 29, American Air 157, Landing Crash, Dallas-Love Field, TX -- 28
177. 1950 -- Jun 05, Plane Crash, Westair Transport, ~190 miles off Miami, FL -- 28
178. 1951 -- Dec 30, USAF Douglas C-47 Transport Crash, Mt. 35 mi N of Globe, AZ -- 28
179. 1953 -- Sep 16, American Air Flight 723 Approach Crash, Albany, NY -- 28
180. 1954 -- Sep 5, KLM Royal Dutch Airlines takeoff crash, Shannon Airport, Ireland --12US of 28
181. 1955 -- Nov 17, Peninsular Air Transport (Mil. Charter) Crash, Seattle-Boeing Field, WA-- 28
182. 1962 -- Sep 23, Flying Tiger Military Air Transport Ditches, N. Atlantic -- 28
183. 1968 -- Dec 27, Plane Hits Hangar/Fog, No. Central Air 458, O’Hare, IL 52 -- 28
185. 1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash, Denver, CO -- 28

186. 1946 -- May 16, Viking Air Transport Crashes, Byrd Field, Richmond VA -- 27
187. 1945 -- Dec 06, 5 Navy Bombers, Rescue Craft Missing. Bermuda Triangle, Carib. -- 27
188. 1962 -- July 22, Plane Crash, Canadian Pacific Airlines, Honolulu, HI -- 27
189. 1982 -- Mar 19, USAF KC-135 Tanker Explosion / Crash near Wonder Lake, IL -- 27
190. 1991 -- Mar 21, Mid-Air Col., US Navy P-3C’s, SW off San Diego, CA -- 27
191. 1992 -- March 22, USAir 405, Ice on Wings, Crashes on Takeoff, LaGuardia, NYC -- 27

192. 1944 -- July 26, US Army AF Douglas C-54 Crashes off Greenland -- 26
193. 1945 -- Nov 01, USAAF C-47 Plane Crash ~Bad Herrenalb and Karlsruhe, Germany-- 26
194. 1946 -- Mar 19, Structural failure/crash, USAAF C-47, near Hobart Mills, CA -- 26
195. 1951 -- Dec 29, Continental Charters 44-2 Crash, near Salamanca, NY -- 26
196. 1954 -- Aug 27, USAF B-36 Crash, Rapid City, SD -- 26
197. 1954 -- Dec 18, Linee Aeree Italiane 451 Crash, NY Idlewild IAP, NY -- 26
198. 1958 -- Mar 07, USMC Transport & Skyraider Collide off Naha NAF, Okinawa -- 26
199. 1959 -- Oct 30, Piedmont 349 Crash, Bucks Elbow Mt., VA -- 26
200. 1962 -- May 22, USN WV2 Transport Breaks-up/Crashes, Markt Schwaben, Germany-- 26
201. 1967 -- Mar 09, TWA # 553/Beechcraft Mid-Air Collision, Urbana, OH -- 26

203. 1940 -- Aug 31, Pennsylvania Central NC21789 Crash, Lovettsville, VA -- 25
204. 1942 -- Sep 22, Eight USAAF Planes Crash or Collide, CT, FL (3), GA, ME (2), PA-- 25
205. 1943 -- Sep 20, Transport Crash, Laurinburg-Maxton Army Air Base, NC -- 25
206. 1943 -- Dec 29, Mid-Air Collision 2 USAF B-24’s, Near Lakeside, UT -- 25
208. 1945 -- Apr 20, USAAF C-47 Breakup/Crash, Thunderstorm, near Sweetwater, TX -- 25
210. 1945 -- Sep 10, B-24 Liberator with freed POWs crashes, Taitung, Taiwan --16 US of 25

52 Cross-listed under Fog as contributing condition.
53 Cross-listed under Fog as contributing condition.
211. 1945 -- Nov 30, USN PV4Y-2 Plane Missing, NAS Kodiak, AK to NAS Seattle, WA-- 25
212. 1946 -- Mar 03, American Air 6-103 Crash, Zero Visibility, Thing Mountain, CA -- 25
213. 1946 -- Jul 09, USAAF B-17 Crash, Mount Tom, near Westover AFB, Chicopee, MA-- 25
214. 1953 -- Sep 28, Resort Air Flight 1081 Approach Crash, Louisville, KY -- 25
216. 1959 -- Dec 1, Allegheny Air Approach Crash, ~Williamsport-Mountoursville, PA -- 25
217. 1962 -- Nov 30, Approach Crash/Fog, Eastern Air 512, Jamaica, NY 55 -- 25
218. 1986 -- Jun 18, Grand Canyon Air & Helitech Helicopter Collide, Grand Canyon AZ-- 25
219. 1991 -- Mar 03, United Air Boeing 737 Crash, Colorado Springs, CO -- 25

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

220. 1944 -- Feb 10, American Air Flight 2 Crash, Mississippi River, Memphis, TN -- 24
221. 1944 -- Oct 18, Plane Crash, USAAF B24H, near Birkenhead, Merseyside, England-- 24
222. 1944 -- Nov 04, TWA Flight 8 Crashes in Thunderstorm near Hanford, CA -- 24
223. 1945 -- Jan 10, Plane Crash/Fog, American 6001, near Burbank-Hollywood, CA 56 -- 24
224. 1945 -- Feb 13, USN Air Transport Service crash after takeoff, San Fran. Bay, CA-- 24
225. 1950 -- Nov 23, New Tribe Mission DC-3 Crash, Mt. Moran, WY -- 24
226. 1970 -- July 5, Air Canada Flight 621 Plane Crash near Toronto, Canada --24 (US) of 109
227. 1971 -- June 13, USAF C-135B monitoring French Nuclear Test, Lost, Pacific -- 24
228. 1979 -- Nov 28, Air New Zealand sightseeing crash, Mount Erebus, Antarctica-24US of 257
229. 1994 -- Mar 23, USAF C-130/F-16 Collide, F-16 hits troops on ramp, Pope AFB, NC-- 24
230. 1995 -- Sep 22, USAF AWACS Sentry Bird Strike Crash, Elmendorf AFB, AK -- 24

231. 1945 -- Jan 08, Pan Am China Clipper Flight 161 Crash, Port of Spain, Trinidad -- 23
232. 1945 -- Feb 02, Florence to Rome USAF C-47 Crash, 3 mls W of Montieri, Italy -- 23
233. 1945 -- Sep 15, USAAF C-47B takeoff crash (from Fairfax Field, Kansas City, KS), MO-- 23
234. 1946 -- June 09, U.S. Army Air Force DC-4 Crash, Tobago Island, Panama -- 23
237. 1951 -- May 6, USAF Stratategic Bomber Crash, Near Albuquerque, NM -- 23
238. 1953 -- Mar 18, 10-eng. USAF Convair RB-36H crashes, Random Isl., NFL, Can. -- 23
239. 1961 -- Jan 26, USN C-118 Liftmaster Expls./Crash off Argentia, Newfoundland -- 23
240. 1968 -- May 22, Sikorsky Helicopter Break-up, LA Air, Paramount, CA -- 23
241. 1970 -- May 2, Plane Crash, Overseas National Air, near St. Croix, Virgin Islands -- 23
244. 1983 -- June 2, Air Canada Fl. 797 in-flight hidden fire, emer. landing, Covington, KY-- 23
245. 1991 -- Apr 5, Atlantic Southeast Air Flight 2311 AP approach crash, Brunswick, GA-- 23

54 Cross-listed under Fog as contributing condition.
55 Cross-listed under Fog as contributing condition.
56 Cross-listed under Fog as contributing condition.
57 There were 13 immediate U.S. fatalities and 8 Greenland (Dutch) passenger fatalities. Two other people died about two weeks later – I think they also were Greenland passengers. Greenland is an autonomous country within the Kingdom of Denmark. (Wikipedia. “Greenland.”)
246. 1942 -- Jan 16, TWA Flight 3 Hits Potosi Peak, Carole Lombard killed, NV -- 22
247. 1942 -- Oct 01, USAF C-39 Transport Plane Crashes near Caomo, Puerto Rico -- 22
248. 1943 -- Sep 10, Mid-Air Collision, 2 USAF B-17’s, off Galveston, TX -- 22
249. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI58 --20-22
250. 1944 -- Jul 27, Plane Crash, USAF C47A, Isle of Mull, ~Port Logan, Scotland --21US/22
251. 1945 -- Sep 07, Eastern Air Lines Flight 42 Crashes near Florence, SC -- 22
252. 1945 -- Nov 08, US Navy Mid-Air Collision, Corpus Christi Bay, TX -- 22
253. 1946 -- Dec 10, USAF C-46 Takeoff Crash, near Itami U.S. Air Base, Osaka, Japan -- 22
254. 1951 -- Apr 06, Southwest Airways Flight 7 Crashes, Refugio Pass, CA -- 22
255. 1955 -- July 17, Braniff Air # 560 Approach Crash, Chicago-Midway, IL -- 22
256. 1956 -- Apr 01, Trans World Airlines Crash, Greater Pittsburgh, PA -- 22
257. 1958 -- Feb 20, USN WV2 Super Constellation Plane Lost, Newfoundland to Azores-- 22
258. 1960 -- Oct 29, Arctic-Pacific Takeoff Crash, Toledo Express Airport, OH -- 22
259. 1961 -- May 24, USAF 51-0174 Globemaster Crash, McChord AFB, WA -- 22
260. 1967 -- Jun 23, USMC Helicopters Collide, New River Marine Corps Air Fac., NC -- 22
261. 1972 -- Sep 24, Plane Crash/Fire, Farrell’s Ice Cream Parlor, Sacramento, CA59 -- 22

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

262. 1942 -- July 01, US Army AF Douglas C-49E Crash, Near Premier, WV -- 21
263. 1945 -- May 13, USAF “Shangra-La” Sightseeing Plane Crash, Mt., New Guinea -- 21
264. 1946 -- Jan 31, United Air Lines Flight 14 Crashes, Elk Mountain, WY -- 21
265. 1946 -- Sep 05, Plane crash/fire, Trans-Luxury Airlines charter, fog, near Elko, NV60 -- 21
266. 1950 -- Nov 07, Northwest Orient Flight 115 Crash, East of Butte, MT -- 21
267. 1951 -- Apr 08, WV National Guard Plane Crash, Charleston, WV -- 21
268. 1953 -- Sep 01, Regina Cargo Airlines Crash near Vail, WA -- 21
269. 1954 -- Aug 23, NY-Amsterdam KLM crash, North Sea after Shannon AP stop --12 US of 21
270. 1957 -- Feb 01, Northeast Flight 823 Takeoff Crash, Rikers Island, NY --20-21
271. 1968 -- Aug 14, Helicopter Crash, Los Angeles Air Sikorsky, Compton, CA -- 21
272. 1981 -- May 06, USAF EC-135N Crash, Walkersville, near Frederick, MD -- 21
273. 1985 -- Jan 22, USAF Plane Crash in Sea on approach to Trujillo Airport, Honduras -- 21
274. 2001 -- March 3, USAF C-23 Plane Crash (VA NG (18) FL ANG (3)), Unadilla, GA-- 21
275. 2003 -- Jan 8, Air Midwest Flight 5481 takeoff crash (no survivors), Charlotte, NC -- 21

276. 1941 -- Oct 30, American Air #1 Crashes, NYC to Chicago, St. Thomas, Ont. Can. -- 20
277. 1942 -- Apr 03, 7 USAF Planes Crash: Strevell, ID; Barksdale Field, LA; Elizabeth City, NC; West Greenwich, RI; Lexington Airfield, Shaw Field, SC; Espiritu Santo Bay, TX-- 20
278. 1943 -- July 28, American Air Flight 63 Crashes near Trammel, KY -- 20
279. 1943 -- Sep 22, Plane Crash, USAF C-53, near Calcutta, India -- 20
281. 1945 -- Apr 14, Penn.-Central Airlines # 142 Crash near Morgantown, WV -- 20
282. 1946 -- July 20, Two USAF B-17G Search Planes Collide off Coiba, Panama -- 20
283. 1947 -- Aug 06, US Navy PBY-5A disappears, Kodiak to Dutch Harbor, AK -- 20

58 Cross-listed under Explosions.
59 Cross-listed under Fire.
60 Cross-listed in Fog, as a contributing condition.
284. 1947 -- Nov 28, USAF C-47 Transport Plane Crash, Mt. Carbone, Alps, ~Cuneo, Italy-- 20
286. 1949 -- Jan 17, USAF B-29 Crash, Argyllshire Mts. in fog, near Glasgow, Scotland -- 20
287. 1951 -- Sep 15, Stunt Plane Crash, Airshow, Flagler, CO -- 20
288. 1952 -- Nov 15, USAF “Flying Boxcar” Crashes, near Anchorage, AK -- 20
290. 1977 -- Sep 14, USAF EC-135K Crash, Mt., Manzano range, ~Albuquerque, NM -- 20
291. 1989 -- Oct 28, Aloha IslandAir Flight 1712 crash into high terrain, Molokai, HI -- 20
292. 2005 -- Dec 19, Chalk’s Ocean Airways Flight 101 Crash, off Miami, FL -- 20

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

293. 1937 -- Oct 17, United Airlines Transport Crash, Humpy Ridge, UT -- 19
294. 1943 -- Jan 21, Pan Am 1104 (USN Transport) Crashes, Mt. ~Boonville & Ukiah, CA-- 19
295. 1943 -- Jun 15, Planes Collide, US Army AF B-24E’s, near Ruidoso, NM -- 19
296. 1944 -- Feb 12, USAF B-25’s Collide, ~ Army Air Base Greenville, SC -- 19
297. 1944 -- Apr 28, Navy R4D Transport Plane Crashes, Anderson Mesa, northern AZ -- 19
298. 1944 -- July 11, Mil. Plane Crash/Fire/Fog, Trailer Camp, South Portland, ME61 -- 19
299. 1944 -- Sep 18, USAAF Douglas C-47 Crash, Denali State Park, ~Talkeetna, AK -- 19
300. 1945 -- Dec 08, Crash, Northwest Air, Military Charter, Billings, MT -- 19
301. 1948 -- Nov 03, USAF B-29 Bomber after takeoff near Lajes Field, Azores --18-19
302. 1950 -- Aug 05, USAF Boeing B-29 Crash, Travis Air Force Base, CA -- 19
303. 1952 -- Nov 07, USAF “Flying Boxcar” Crashes, Mt. McKinley, AK -- 19
304. 1953 -- May 17, Delta Air Flight 318 Crash (Thunderstorm), Marshall, TX -- 19
305. 1953 -- Oct 29, BCPA Douglas DC-6 Crash, San Francisco, CA -- 19
306. 1953 -- Dec 17, USAF B-29 Crashes, Officer’s Housing, Anderson AFB, Guam -- 19
307. 1957 -- Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI -- 19
308. 1958 -- Sep 02, USAF Globemaster Fire/Crash, 35m west, Agana Naval AS, Guam -- 19
309. 1958 -- Oct 09, USAF C-123B Transport Crash ~Little Willow Creek & Payette, ID-- 19
310. 1966 -- Nov 11, USAF Constellation Crash, Atlantic, E. of Cape Cod, MA -- 19
311. 1967 -- Mar 30, Delta Air 9877 training crash into motel complex, Kenner, LA -- 19
312. 1968 -- Jan 10, USMC R5D-2 (C54) Plane Crash, Mt. Tobin, Copper Canyon, NV -- 19
313. 1969 -- Mar 5, Crash, PR Int. Airlines, Sierra de Luquillo Mts., San Juan, PR -- 19
314. 1969 -- Jun 05, USAF Recon Plane Crash off Shemya, AK -- 19
315. 1989 -- Jan 31, USAF SAC Tanker Crash, Dyess Air Force Base, TX -- 19
316. 1989 -- Mar 20, USMC Sea Stallion Helo Engine Mal./Crash, Mt., ~Pohang, S. Korea-- 19
317. 2000 -- Apr 8, USMC Tilt-rotor Osprey V-22 Crash, Marana Airport ~Tucson, AZ -- 19
318. 2000 -- May 21, Charter Plane Crash (Low Fuel), Executive Air, ~Wilkes Barre, PA-- 19

319. 1943 -- May 15, Fog/Crash, USAAF C-47, Ginger Cake Mountain, NC62 -- 18
320. 1943 -- Dec 13, USN PBM-3S, VP-213, BuNo 48126 Lost on Patrol off NC Coast -- 18
321. 1944 -- June 06, USN PB4Y-1 Takeoff Crash into building, Camp Kearney, CA --17-18
322. 1944 -- Aug 21, USAAF B-24J’s Collide, near Model, CO -- 18
323. 1944 -- Nov 06, USN Planes Collide, St. Johns River near NAS Jacksonville, FL -- 18

61 Cross-listed in Fog, as a contributing condition.
62 Cross-listed under Fog as contributing condition.
324. 1944 -- Nov 30, USAAF B-24’s Collide near Davis-Monthan AAF, Tucson, AZ -- 18
325. 1945 -- May 06, Two USAAF B-17s Collide, ~ Esler Field, Alexandria, LA -- 18
326. 1945 -- Aug 13, Two USAAF B-29s Collide, near Weatherford, TX -- 18
327. 1945 -- Nov 03, Consolidated Air, Army Transport Com., sea crash, 450 mi NE of HI-- 18
328. 1947 -- Jan 12, Eastern Air Lines Flight 665 Crashes, Galax, VA -- 18
329. 1947 -- Oct 26, Pan American Air Crash, Tamgas Mt., Annette Island, AK -- 18
330. 1948 -- Jan 07, Coastal Air Lines Plane Stalls/Crashes, near Savannah, GA -- 18
331. 1949 -- Nov 16, Two USAF B29s Collide over Stockton, CA -- 18
332. 1954 -- Mar 19, Plane Fire & Crash, USAF C-119, #51-7993, near Lothian, MD -- 18
333. 1958 -- Mar 27, Mid-Air Collision, two USAF Planes, Bridgeport, TX -- 18
334. 1959 -- June 30, U.S. Air Force F-100 Jet Crashes into School, Ishikawa, Okinawa63 -- 18
335. 1960 -- July 06, US Navy Dirigible Airship (Blimp) Crash off Barnegat City, NJ -- 18
337. 1961 -- July 11, United Flight 859 Crash/Fire, Stapleton, Denver, CO -- 18
338. 1965 -- Jun 15, US Army Helicopters Mid-Air Collision, Columbus, GA -- 18
339. 1966 -- Oct 01, West Coast Air 956 Crash, Salmon Mt., near Wemme, OR -- 18
340. 1976 -- Aug 28, USAF Crash, severe thunderstorm rips wing, ~Peterborough, UK -- 18
341. 1980 -- Mar 14, USAF C130 Wing Explosion and Crash near Yenice, Cilicia, Turkey -- 18
342. 1984 -- Feb 29, USAF C-130 Hercules Plane Crash, near Borja, Spain --(17 US) of 18
343. 1984 -- Mar 24, USMC Helicopter Crash into Mt., 24M N. of Pohang So. Korea --18 of 29
344. 1987 -- Nov 23, Ryan Air Flight 103, Beechcraft 1900C, approach crash, Homer, AK-- 18
345. 1993 -- Dec 1, Terrain Express II Airlines/Northwest Airlink Crash, Hibbing, MN -- 18
346. 2001 -- March 29, Avjet Corp. Gulfstream III charter crash on approach, Aspen, CO -- 18

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

347. 1936 -- Jan 14, American Airlines Douglas DC-2 Crash, Goodwin, AR -- 17
348. 1942 -- May 01, United Air NC18146 Crash, Salt Lake City, UT -- 17
349. 1942 -- May 3, 3 USAAF Crashes Or/WA, Meacham, Pleasant Val., OR; McChord Field, WA--17
350. 1942 -- Dec 15, Western Airlines NC16060 Crash. Fairfield, UT -- 17
351. 1943 -- Oct 25, Two USAAF B-24H Planes Collide, near Milligan, NE -- 17
352. 1943 -- Nov 18, USN Transport Plane Crash, 30mi. E of Rio De Janeiro, Brazil --17 of 18
353. 1943 -- Dec 19, Two USAAF B-24s Crash -- near Sausalito, CA and near Burley, ID-- 17
354. 1944 -- Feb 18, USAF B-24’s Collide, near Williams Field, AZ -- 17
355. 1944 -- Aug 01, USAF B-24’s Collide near Furnace Creek, Death Valley, CA -- 17
356. 1944 -- Aug 05, USAF B17G’s Collide, near Dixon, NE -- 17
357. 1944 -- Aug 08, Pan Am #218 Hong Kong Clipper Crashes off Antilla, Cuba -- 17
358. 1944 -- Nov 11, US Air Transport Command C-54 crashes, Pacific, 50 mi. off Oahu-- 17
359. 1944 -- Dec 25, USAF C-47 Plane Crash, Black Mesa Mountain, Quartzsite, AZ -- 17
360. 1945 -- Feb 23, American Air Flight 9, Crashes near Rural Retreat, VA -- 17
361. 1945 -- June 14, Lightning-hit Plane Crash, USAF C-46D, near Oakridge, MS64 -- 17
362. 1945 -- July 18, USN PB4Y-2 Privateer Plane Missing, out of NAS Miami, FL --15-17
363. 1946 -- Jan 18, Plane Fire and Crash, Eastern Air Lines Flight 105, Cheshire, CT -- 17
364. 1948 -- Nov 04, Pacific Alaska Air Express Lost Near Cape Spencer, AK -- 17

63 All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.
64 Cross-listed under Lightning.
366. 1956 -- March 2, USAF C124C Globemaster II Crash, Atlantic, Iceland to US -- 17
367. 1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR\(^65\) -- 17
368. 1962 -- Nov 23, Plane/Bird Collision United 297, Near Ellicott City, MD -- 17
369. 1964 -- Jun 29, USAF Stratofreighter / C-54 Collide near Kindley US AFB, Bermuda-- 17
370. 1971 -- June 27, Takeoff Crash, Sea Park Airlines, Shelter Cove, CA -- 17
371. 1972 -- Mar 03, Mohawk Airlines N7818M Crash, Albany, NY -- 17
372. 1977 -- Dec 08, Petroleum Inc. Helicopter hits crane cable, Intracoastal City, LA -- 17
373. 1978 -- Feb 10, Columbia Pacific Airlines N199EA Crash, Richland, WA -- 17
374. 1979 -- May 30, Downeast Airlines #46 approach crash, Owls Head ~Rockland, ME-- 17
375. 1984 -- Aug 24, Wings West Air (15) & Rockwell Comd. (2) collide, San Luis Obispo, CA-- 17
376. 1985 -- May 6, USMC CH-53D Helicopter Crash into Sea of Japan off Yakushima -- 17
377. 1985 -- Sep 29, Skydiving Crash, Westwind Sports & Parachute Ctr., Jenkinsburg GA-- 17
378. 1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN\(^66\) -- 17
379. 1992 -- Feb 6, KY ANG C-130 Hercules Crash, Hotel/Rest. complex, Evansville, IN-- 17

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

380. 1930 -- Jan 19, Transcontinental Air Transport # 7 Crash, Oceanside, CA -- 16
381. 1942 -- Aug 15, US Army AF C-53 Crash, near Garnet Peak, Peru, MA -- 16
382. 1943 -- Jun 26, Six USAAF Plane Crashes/Collisions, CA (2), FL (2), ME, SC -- 16
383. 1943 -- Dec 14, USAF B-24J Plane Crash, near Omaha, NE -- 16
384. 1945 -- Jan 09, USAF B-29 Plane Lost, Atlantic, off Southeast Coast -- 16
385. 1945 -- Jan 24, USAF B-17Fs Collide, near Dyersburg, TN -- 16
386. 1947 -- Apr 19, USAF B-29 Fire/Explos./Crash, off Kwajalein Isl., Marshall Islands-- 16
387. 1948 -- Aug 24, U.S. B29 Superfortress Plane takeoff Crash near Hickam AFB, HI -- 16
388. 1949 -- July 30, Eastern Air Hit by Navy Hellcat Aircraft, Chesterfield, NJ -- 16
389. 1950 -- May 18, USAF B-29 Crash, Lajes Field, Azores --15-16
390. 1950 -- July 13, In-Flight Fire/Crash USAF B-50, near Mason, OH -- 16
391. 1950 -- Sep 04, Robinson Air Flight 32 Crash, Utica-Oneida County, NY -- 16
392. 1951 -- Mar 02, Mid-Continent Airlines Approach Crash, Sioux City, IA -- 16
393. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan\(^67\) -- 16
394. 1955 -- Feb 19, TWA 260 Crash, Sandia Mt., near Albuquerque, NM -- 16
395. 1956 -- Aug 22, Navy P4M-1Q Shot Down near Wenchow, China -- 16
396. 1956 -- Sep 10, Yokota AB USAF RB50G Lost tracking Typhoon Emma Sea of Japan-- 16
397. 1957 -- Oct 29, USAF Stratofreighter Crash, Grey Mt. ~ Flagstaff, AZ -- 16
398. 1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy -- 16
399. 1959 -- Sep 24, Reeve Aleutian Airways fl. #3 approach crash, Great Sitkin Island, AK-- 16
400. 1960 -- Jan 16, USN P4M-1Q Mercator Crash, Karanfil Mountain, ~Adana, Turkey -- 16
401. 1965 -- July 11, Fire, Plane Crash, USAF Constellation, 100M off Nantucket, MA -- 16
402. 1969 -- Mar 20, Approach Crash/Fog/Fire, Avion Charter, New Orleans, LA\(^68\) -- 16
403. 1971 -- Oct 21, Approach Crash/Fog, Chicago & Southern 804, Peoria, IL\(^69\) -- 16

\(^{65}\) Cross-listed under Attack.

\(^{66}\) The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

\(^{67}\) Cross-listed in Violence (Attack).

\(^{68}\) Cross-listed in Fog as contributing condition.
404. 1973 -- Apr 12, Planes Collide, NASA Convair/NAVY P-3C Orion, Sunnyvale, CA -- 16
405. 1975 -- Mar 20, USAF Transport Crash, Olympic National Park, Quilcene, WA -- 16
406. 1975 -- Sep 26, USAF Sikorsky CH-53 Helicopter Crash, east of Paderborn, Germany -- 16
407. 1977 -- Jun 21, USN TACAMO EC130Q Hercules Takeoff Crash, off Wake Island -- 16
408. 1978 -- Oct 06, USN C-118 Transport Crashes into hill in Fog near Santiago, Chile -- 16
409. 1992 -- April 22, Plane Crash, Perris Valley Aviation (skydiving), Perris, CA -- 16
410. 2016 -- July 30, hot air balloon hits power lines/burns/crashes, near Lockhart TX -- 16
411. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS -- 16

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

412. 1938 -- Jul 29, Pan Am Air’s “Hawaii Clipper” out of Alameda CA, lost, Pacific -- 15
413. 1942 -- Jan 14, Five USAAF Planes Crash, AL, ID, NH, TX, VA -- 15
414. 1942 -- Mar 05, 2 USAAF Plane Crashes, St. Lucie Riv., Port Sewall, FL; off NC/VA -- 15
415. 1942 -- Apr 29, Four USAAF Planes Crash -- Kodiak, AK; Smyer, TX; Orlando, FL -- 15
416. 1943 -- May 08, Crash, USAAF C-47, near Tinker Field, Oklahoma City, OK -- 15
417. 1943 -- May 13, Collision, USAAF B-24’s, near Biggs Field, El Paso, TX -- 15
418. 1943 -- Aug 10, Two Walla Walla USAAF bombers crash, ~Cecil, OR, Paterson, WA -- 15
419. 1943 -- Oct 15, American Airlines Flight #63 Crashes near Centerville, TN -- 11-15
420. 1944 -- July 21, 3 USAAF C-47s Lost, Atlantic, 25M off Cape Fear, NC -- 15
421. 1944 -- Oct 08, USAAF B-29 Plane Crash, near Love Field, Dallas, TX -- 15
422. 1944 -- Nov 3, USAAF Planes Collide, near Kingman Army Air Field, AZ -- 15
423. 1944 -- Nov 10, USAAF B-29 Plane Crash, near Clovis Army Air Field, NM -- 15
424. 1945 -- Aug 25, USAAF B-24J Plane Crash, 17 miles NNW of Elgin, OR -- 15
425. 1945 -- Oct 30, USAAF C-47 Plane Crash into mountain near Cuneo, Italy -- 15
426. 1950 -- Mar 07, Northwest Orient Flight 307 Crash, Minneapolis, MN -- 15
427. 1952 -- Feb 07, USAF takeoff Crash, 5 miles N of Yokota US AB, Japan -- 13 (US) of 15
428. 1952 -- Mar 12, Two USAF B-29’s Collide, near Sequin and San Antonio, TX -- 15
429. 1952 -- Apr 04, Planes Collide, USAF Globemaster & C-47, Mobile, AL -- 15
430. 1952 -- Apr 15, Plane Crash/Fire, USAF B-36D, near Fairchild AFB, WA -- 15
431. 1953 -- Feb 02, USAF Plane takeoff Crash, Wheelus Air Base, Tripoli, Libya -- 15
432. 1953 -- Nov 17, USAF C-119F Hits Paratroopers, Crashes, Fort Bragg NC -- 15
433. 1955 -- Jan 12, Planes Collide, TWA 694/Castleton, Inc., Covington, KY -- 15
434. 1955 -- May 25, Plane Crash, USAF SAC B-36J, Sterling City, TX -- 15
435. 1956 -- Aug 29, Canadian Pacific Airlines fl. 307 approach crash, Cold Bay AP, AK -- 15
436. 1958 -- June 27, USAF SAC Tanker Crash, Near Chicopee Falls, MA -- 15
437. 1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK -- 15
438. 1959 -- Nov 7, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
439. 1962 -- Mar 08, USAF C-130A Hercules Plane Crash near Alencon, western France -- 15
440. 1967 -- Apr 25, USAF Super Constellation Fire, off Nantucket Island, MA -- 15
441. 1969 -- Jan 13, SAS Flight 933 Approach Crash, Santa Monica Bay, CA -- 15
442. 1976 -- Sep 26, USAF KC-135 (61-0296) Crash, Alpena, MI -- 15
443. 1981 -- Apr 17, Planes Collide, Air US 716 & Sky West Parachute, Loveland, CO -- 15
444. 1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mx. off LA -- 15
445. 1989 -- Mar 12, USAF CH-3C 'Copter Crash 20 mls NW of Tucson, ~Marana, AZ -- 15

69 Cross-listed in Fog as contributing condition.
1925 -- Sep 3, Navy Dirigible Shenandoah Crash, Noble County, Ohio
1929 -- Mar 17, Colonial Western Airways Tri-Motor Crash, sightseeing, Newark NJ
1933 -- Mar 25, Varney Speed (Air) Lines Crash, San Leandro, CA
1936 -- Dec 19, Eastern Air NC13732 Crash, Milford, PA
1941 -- Oct 30, Northwest Airlines DC-3 Crash, Moorhead, MN
1942 -- Apr 12, Two U.S. Navy Bombers Crash near Livermore, CA
1942 -- May 12, 6 Planes Crash/Collide, IL (2), OK (4 planes, 7 dead), WA (5 dead)
1942 -- Jun 04, US Army AF LB-30 Crash, near Hamilton Field, CA
1942 -- Aug 19, USN Plane hits tugboat, Coco Solo Navy Base, Panama Ca. Zone
1942 -- Sep 11, P-40 Warhawk Plane Crash, Curtiss-Wright Plant, near Buffalo, NY
1943 -- Feb 05, Mid-air Collision, 2 USAF B-25 Bombers, Newberry, SC
1943 -- Aug 28, 3 USAF Planes Collide, , near Army Air Base, Harvard, NE
1943 -- Oct 22, Crash, USAAF B-17, Arkansas River, near Ponca City, OK
1943 -- Oct 29, Crash, USAAF B-24, Atlantic off West Palm Beach, FL
1943 -- Oct 29, USAAF C-47 Crashes at Hoffman-Mackall AAF, NC
1943 -- Dec 22, Crash, USAAF B-24, ~Morrison Field, West Palm Beach FL
1944 -- Feb 16, USN Air Transport Unit Flight Missing, NAS Seattle to Kodiak, AK
1944 -- Jun 08, USAF Bombers Collide, Homes Burn, Kill Civilians, Honolulu, HI
1945 -- Mar 10, USN Plane Lost, Trng. Flight, NAS Jacksonville FL to Bahamas
1945 -- Apr 11, USAAF TB-17F Plane Collision, near Jackson AAB, MS
1945 -- July 28, B-25 Bomber Flies into Empire State Building in Fog, NY
1945 -- Sep 12 USN PB4Y-2 Privateer Engine Fire, Crash, ~Master Field, Miami, FL
1945 -- Oct 31, US Navy Transport Plane Crash, heavy fog, Rich Mt., ~Mena, AR
1947 -- July 13, Burke Air Transport Crash, Melbourne, FL
1948 -- Aug 20, Plane Crash, USAF B-29, Rapid City Air Force Base, SD
1949 -- Jan 02, Seattle Air Charter Crash, Seattle-Boeing Field, WA
1951 -- Apr 27, Planes Collide, USAF B-36 & F-51, NE of Perkins, OK
1954 -- June 26, Plane Crash, USAF KC97 Stratotanker, Box Springs Mountain, CA
1955 -- Nov 17, USAF Plane Crash, Mount Charleston, NV
1955 -- Nov 29, USAF F-84 Crash into Base Housing, Eielson AFB, AK
1960 -- June 14, Plane Crash, Pacific Northern Airlines 201, Mt. Gilbert (9000 ft), AK
1963 -- Jan 30, US Navy P-3A Crash, Atlantic, off Atlantic City, NJ
1967 -- Dec 14, USAF Lockheed P-2 Neptune Crash, Juneau, AK
1969 -- July 06, Air South 168 System Failure/Crash, near Monroe, GA
1969 -- Nov 19, Crash, Mohawk Airlines Flight 411, near Glens Falls, NY
1969 -- Dec 22, U.S. Navy F-8 Jet Crash, Miramar Naval Air Station, CA
1972 -- June 3, Brunswick ME-based USN Orion 152182 Crashes into Moroccan Mt.
1973 -- March 8, USAF Douglas C-47 Crash, Silk Hope, NC
1975 -- Jan 09, Planes Collide, Golden West Air #261/Cessna, Whittier, CA
1981 -- May 26, USN EA-68 Prowler Crash, USS Nimitz, off Jacksonville, FL

70 Was attempting Fargo, ND landing – went down just north of the Moorhead, MN city limits.
71 Cross listed in Fog as contributing condition.
Cross-listed in Maritime.
529. 1954 -- Oct 6, USAF B-50 Crash near Willows, Glenn County, CA   -- 13
530. 1955 -- Mar 20, American Air 711 Approach Crash, Springfield, MO -- 13
531. 1958 -- Sep 08, Mid-Air Collision, USAF B52’s, Near Airway Heights, WA -- 13
532. 1958 -- Sep 09, USAF Douglas C47 Plane Crash, Elmendorf AFB, Anchorage, AK -- 13
533. 1960 -- July 27, Chicago Helicopter Airways Crash Forest Park, IL -- 13
534. 1962 -- Sep 04, Ashland Oil Co., Plane Crash, near Lake Milton, OH -- 13
535. 1962 -- Dec 26, USN P5M1 Marlin Seaplane Lost at Sea 350M SW of San Diego, CA -- 13
536. 1965 -- Nov 27, Edde Airlines N485 Crash, Salt Lake City, UT -- 13
537. 1968 -- Jan 17, USAF Stratotanker Takeoff Crash, Minot AFB, ND -- 13
538. 1969 -- Feb 04, USAF HC-130 Rescue Plane Crash into Sea off Taiwan -- 13
539. 1970 -- May 04, USAF Convair T-29D Crash, near Hamilton AFB, CA -- 13
540. 1972 -- Jun 29, Mid-Air Collision, N. Cent. Air/Air Wisc., Appleton, WI -- 13
541. 1972 -- Dec 05, USAF C-130 Collides with SC ANG F-102, near Conway, SC -- 13
542. 1977 -- Sep 06, Alaska Aeronautical Industries fl. 302 Plane Crash, Mt. Iliamna, AK -- 13
543. 1977 -- Dec 11, BNAS-based USN Crash, Fog, El Hierro Mt., Canary Islands -- 13
544. 1980 -- June 12, Air Wisconsin flight 965 crash (storm, engine failure), Valley, NE -- 13
545. 1980 -- Aug 6, Air Logistics helicopter crash with oil platform workers, off Houma, LA -- 13
546. 1984 -- Dec 6, Provincetown-Boston Airlines 1039 takeoff crash, Jacksonville AP, FL -- 13
549. 1992 -- Nov 30, Two USAF C-141 Transports Collide Mid-Air, near Harlem, MT -- 13
551. 2004 -- Oct 19, Corporate Airlines (N875JX) Crash, Kirksville, MO -- 13

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

552. 1935 -- Oct 07, United Airlines Airport Approach Crash, Cheyenne, WY -- 12
553. 1936 -- April 7, TWA Flight No. 1 Crash into Mt., Fairchance, PA (Southwest PA) -- 12
554. 1936 -- Dec 27, United Air 34 Crash, Rice Canyon, Newhall, CA -- 12
555. 1940 -- Jun 17, Two USAAF Bombers Collide/Crash, Bellerose Manor, Queens, NY -- 12
556. 1941 -- Nov 2, USN Patrol “Flying Boat” Crashes, mountain ~Krisuvik, Iceland -- 12
557. 1942 -- Apr 02, Six USAAF Planes Crash, Helena, AR; Planada, CA, Leary, GA; Savannah AB, GA; San Angelo, TX; Everett, WA -- 12
558. 1942 -- Jun 08, USN Airships Collide, Defender/G-1, Ocean, ~Lakehurst, NJ -- 12
559. 1942 -- Oct 23, American Air/U.S. Army B-4 Bomber, Palm Springs, CA -- 12
560. 1942 -- Dec 05, USAF C-47 Approach Crash, ~Maxwell Field, Montgomery, AL -- 12
561. 1942 -- Dec 30, U.S. Army Air Force B-17 Crash, Musselshell, MT -- 12
563. 1943 -- Feb 17, U.S. Army Air Force B-17 Crash, near Huron, SD -- 12
564. 1943 -- May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog, Chicago IL

565. 1943 -- July 05, Crash, USAAF B-24E, fog, Green Mt., San Miguel Island, CA -- 12
566. 1943 -- July 28, US Army AF B-24E Structural Failure/Crash, Adena, CO -- 12
567. 1943 -- Aug 18, U.S. Army Air Force B-24E Plane Crash, Otero County, NM -- 12
568. 1943 -- Aug 18, USN Patrol Plane, VP-210, Crashes off Montauk Pt. Long Is., NY -- 12
569. 1943 -- Nov 18, U.S. Army Air Force B-24J Crash, near Melrose, NM -- 12

73 Cross-listed in Fog as a Contributing Factor.
570. 1943 -- Dec 15, Plane Crash, USAAF, B-17, Army Air Base, Ardmore, OK -- 12

571. 1944 -- Jan 26, Navy Patrol Plane Crashes, Key West Naval Patrol Station, FL -- 11-12
572. 1944 -- Feb 16, Plane Crash, USAAF, B-17F, Wimauma, FL -- 12
573. 1944 -- Feb 22, Crash, USAAF, B-17F, Kittatinny Mt., Warren Ct., NJ -- 12
574. 1944 -- Feb 25, USAAF Planes Collide, Army Air Field, Las Vegas, NV -- 12
575. 1944 -- Mar 03, USAAF B26’s Collide, ~ Barksdale Field, Shreveport, LA -- 12
576. 1944 -- Mar 05, USAAF B24 Explodes/Cashes, Atlantic Ocean, off FL -- 12
577. 1944 -- Apr 11, US Navy War Eagles VP-16 Orion Crashes east of Columbus, NM -- 12
578. 1944 -- Apr 25, USAAF B-24’s Collide, near Yuma Army Air Field, AZ -- 12
579. 1944 -- May 30, USN PB4Y and F4F Collide, Palomar Mt., San Diego County, CA -- 12
580. 1944 -- July 19, USAAF Consolidated Liberator Crash, Touchet, WA -- 12
581. 1944 -- Sep 17, Plane Crash, Liberal AA Field USAAF B-29, near Copeland, KS 74 -- 12
582. 1944 -- Sep 24, US Army AF Douglas C-47 Crashes, Camp Mackall, NC -- 12
583. 1944 -- Oct 15, USAAF B-29 Crash, Alamogordo Army Air Base, NM -- 12
584. 1944 -- Oct 24, USAAF B-17F Plane Crash, near Russell, KS -- 12
585. 1944 -- Oct 26, USAAF C-46A’s Collide, Reno Army Air Base, NV -- 12
586. 1944 -- Nov 07, USN PB4Y-1 Liberator Plane Crash, off Fort Monroe, VA -- 12
587. 1944 -- Dec 25, USAAF C-47A Plane Crash, Roundtop Mt. near Harrisburg, PA -- 11-12
588. 1945 -- Mar 10, USA B-24, Atlantic near Montauk Point, Long Island, NY -- 12
589. 1945 -- Apr 01, USAAF B-29 Fire/Crash, near Alamogordo, NM -- 12
590. 1945 -- Jun 30, USAAF B-29 (44-69943) Crash, Guadalupe Peak, TX -- 12
591. 1945 -- Sep 01, USAAF B-24J takeoff crash, near Hondo Army Air Field, TX -- 10-12
592. 1946 -- Jun 12, USAAF B29 Crash/Fire, Collins Gap, near Clingman’s Dome, TN -- 12
593. 1946 -- Aug 01, Plane Crash, USN PB4Y-2 Privateer, ~Camp Kearny MAAS, CA -- 11-12
594. 1946 -- Dec 24, Western Air Lines Flight 44 Flies into Cuyapaipe Mountain, CA -- 12
595. 1947 -- Jan 27, Plane Crash, USAAF B-29 Superfortress, Kirtland Field, NM -- 12
596. 1947 -- June 14 USAAF B-29 Plane Crash, Hawks Mountain, VT -- 12
597. 1947 -- Dec 16, USAAF B-29 Crash after Davis-Monthan takeoff, near Tucson, AZ -- 12
598. 1948 -- Jan 27, USAF C-47 Crash (dependants), Snowstorm, Cheval Blanc Mt., France--12
599. 1948 -- Mar 10, Delta Air Flight 705 Crash, Chicago Municipal Airport, IL -- 12
600. 1948 -- May 09, USN PBY-6A Catalina Plane Lost, San Juan, PR to Key West, FL -- 12
601. 1948 -- Nov 03, US Navy PB4Y-2 Plane Crash, 10M off Port Moller, Kodiak AK -- 12
602. 1950 -- Mar 23, In-Flight Explosion, USAF B-50, near Hyder, AZ -- 12
604. 1951 -- Oct 15, USAF C-97 Lost, North Atlantic, Azores to Westover AFB, MA --11-12
605. 1952 -- Mar 26, USAF Planes Crash, Davis-Monthan AFB, AZ; Albuquerque, NM -- 12
606. 1952 -- Apr 09, Planes Collide, USAF F-94 & C-47, Camp Edwards, MA -- 12
607. 1952 -- Jun 13, Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan 75 -- 12
608. 1953 -- Jan 13, USAF B-50 Bomber Plane Crash, near Gridley CA -- 12
609. 1953 -- July 02, USAF Martin Mariner Crash, Adak, AK -- 12

74 Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.
75 Cross-listed in Violence (Attack).
610. 1954 -- Aug 22. Braniff Airways Thunderstorm Crash, S. Mason City, IA  -- 12
611. 1955 -- Jan 01, USAF Douglas C47 Crash, near Skwentna Airport, Anchorage, AK  -- 12
612. 1956 -- Sep 24, USAF C-47 Crash, Mount Yale, near Buena Vista, CO  -- 12
613. 1957 -- Jan 17, USAF Weather B-50 Takeoff Plane Crash, near Eielson AFB, AK  -- 12
614. 1957 -- Sep 15, Northeast Air 285, Approach Crash, New Bedford, MA  -- 12
615. 1958 -- May 20, Planes Collide, Capital Air & MD Air NG, Brunswick, MD  -- 12
616. 1959 -- Feb 04, USAF Weather B-50 Crash, out of and off Kindley US AFB, Bermuda -- 12

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

617. 1960 -- Oct 28, Northwest Airlines Crash, Missoula, MT  -- 12
618. 1964 -- Oct 27, Navy Plane Crash into Commissary, El Centro NAS, CA  -- 12
619. 1964 -- Nov 27, USN Lockheed P-2V Neptune Crash, Cape Newenham, AK  -- 12
620. 1966 -- May 18, USAF KC-135 Stratotanker takeoff Crash, Kadena AB, Okinawa  -- 12
621. 1968 -- Apr 01, Navy P3B Coastal Surveillance Shot Down, Gulf of Thailand  -- 12
622. 1969 -- Mar 08, USAF C130 Crash short of runway, Ching Chuan Kang AB, Taiwan  -- 12
623. 1971 -- May 06, Apache Airlines Carstedt Jetliner Crash, Coolidge, AZ  -- 12
624. 1974 -- Jan 06, Air East Airlines N125AE Crash, Johnstown, PA  -- 12
626. 1978 -- Aug 25, Webber Air charter crash, Sumner Strait, NW of Prince of Wales Isl., AK-12
627. 1979 -- Sep 14, Butler Aircraft Inc. DC-7 Plane Crash, Surveyor Mountain, OR  -- 12
628. 1982 -- July 28, Last Days Ministries sight-seeing takeoff Plane Crash, Lindale, TX  -- 12
629. 1988 -- Feb 19, AVAir Inc. Fairchild Metro III (Air Virginia) takeoff crash, Cary, NC  -- 12
630. 1992 -- Sep 07, Beechcraft Parachuting Plane Crash, Hinckley, IL  -- 12
631. 1994 -- June 18, Mexican Charter Learjet Crash, Dulles IAP approach, Chantilly, VA  -- 12
632. 1995 -- Sep 10, Plane Crash, Peninsula Sky Diving Club, West Point, VA  -- 12
633. 2016 -- Jan 14, Aviation, Two Marine Helicopters Crash off Haleiwa, Oahu, HI  -- 12

635. 1937 -- Feb 09, United Air Flight 23 Crash, San Francisco Bay, CA  -- 11
636. 1938 -- Feb 02, Mid-Air Collision, Two Navy PBY-2 Bombers, off S. CA  -- 11
637. 1938 -- Mar 30, War games, 2 USN Consolidated patrol bombers crash, off Oahu, HI  -- 11
638. 1939 -- Aug 11, Two USAAF Plane Crashes, Langley Field VA (9); Miramar CA (2)  -- 11
639. 1941 -- Jan 04, USN Transport R2D-1 Landing Crash, San Diego, CA  -- 11
640. 1941 -- Dec 30, 3 USAAF Planes Crash in CA; ~Allensworth, Keller Peak, Oakland  -- 11
641. 1942 -- Mar 18, Eleven USAAF Planes Crash, CA (5), OH (4), TX, WV  -- 11
642. 1942 -- Oct 03, USN Sikorsky Flying Boat Excalibur Crashes, Botwood, NFLD, Can  -- 11
643. 1942 -- Oct 17, US Army Air Force B-17 Crash, Sierra Grande Mt., NM  -- 11
644. 1942 -- Nov 11, USN Patrol Plane (Banana Riv. NAS) Crash 5M off Melbourne FL  -- 9-11
645. 1943 -- Jan 06, U.S. Army Air Force B-24 Crash, White City, KS  -- 11
646. 1943 -- Jan 17, U.S. Army Air Force B-24 Crash, Alamogordo, NM  -- 11
647. 1943 -- Jan 18, U.S. Army Air Force B-24 Crash, Bassett Peak, AZ  -- 11
648. 1943 -- Jan 24, , U.S. Army AF B-24 Crash, White Sands Nat. Mon. NM  -- 11
649. 1943 -- Jan 31, USAF Consolidated Liberator Crash, Tucson, AZ  -- 11

76 Cross-listed in Violence (Attack).
1943 -- Feb 28, USAAF B-26 Bombers (2), Mid-Air Collision, Avon Park, FL -- 11
1943 -- Mar 27, USAAF C-47 explosion, structural failure, crash, Oliver Springs, TN-- 11
1943 -- Mar 29, USAF B-17 42-5313 Crash, Ephrata AFB, WA -- 11
1943 -- Apr 15, Crash, USAAF, Buckingham Army Air Field, Fort Myers FL -- 11
1943 -- May 7, Plane Crash, USAF B-17F, Army Air Base, Dalhart, TX -- 11
1943 -- May 22, Crash, USAAF B-17, Army Air Base, Rapid City, SD -- 11
1943 -- May 31, Plane Crash, USAF C-67, Smith Creek Valley, NV -- 11
1943 -- June 13, Two USAAF B-17F Bombers Collide near Fedora, SD --10-11
1943 -- July 02, Navy VF-5 Plane Crash, Table Top Mt. ~NAS Dutch Harbor, AK --10-11
1943 -- July 07, USN PB4Y1 Liberator Plane Crash, off NAS Barbers Pt., Oahu, HI- 11
1943 -- July 15, USAAF B24D sea crash at end of runway, Castle Harbour, Bermuda-- 11
1943 -- July 19, USAFF B-24E Crash, Taylor Canyon, 27 mi NE of Gunnison, CO -- 11
1943 -- July 28, USAAF B-24E Crash, 12 miles north of Biggs Field, El Paso, TX -- 11
1943 -- Aug 14, USAAF B-24E Plane Crash, Shoshone Nat. Forest, ~Dubois, WY -- 11
1943 -- Aug 14, USAAF B-24E Plane Crash, near Ellsworth, KS -- 11
1943 -- Aug 24, USAAF B-17 Crash, Gibson Ranch, near Dovetail & Winnett, MT -- 11
1943 -- Sep 05, USAF Skytrooper Plane Crash near Sedalia MO -- 11
1943 -- Sep 22, USAF B-24D Plane Crash, near Wald, KS -- 11
1943 -- Sep 28, USAF B-24H Plane Crash, near Fountain, CO -- 11
1943 -- Sep 30, USAF B-24H, Plane Crash, near Villa Santa Maria Del Norte, CO- 11
1943 -- Oct 03, USAF B-17F Plane Crash, Army Air Field, Brooksville, FL -- 11
1943 -- Nov 25, USAF B-24E’s Collide, near Army Air Field, Liberal, KS -- 11

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

1944 -- Mar 15, USAF Bomber Crashes, Bull Mountain, ~Stuart, southwest VA -- 11
1944 -- Apr 07, USAF B-24H Lost, Atlantic Ocean, off coast of MA -- 11
1944 -- Apr 24, USAF B-17G Crash, ~Ardmore Army Air Field, OK -- 11
1944 -- May 26, USAF B-17G Plane Crash, Ronald Horn farm, near Anthon, IA --10-11
1944 -- May 30, USN PB4Y1 Liberator Emer. Lndg. Crash, NAAS Chincoteague, VA-- 11
1944 -- July 2, USAF B-29 Breaks-up/Storm/Crashes, near Harmon, OK -- 11
1944 -- Sep 27, USAF RB-24E Plane Crash, near San Jon and Tucumcari, NM -- 11
1944 -- Oct 24, USAF B-29 Crash, Barksdale Field, Shreveport, LA -- 11
1944 -- Nov 13, USAF C-47 Crashes near Army Air Base, Casper, WY -- 11
1944 -- Nov 18, USAF B-24J Plane Crash, ~March Field, Riverside, CA -- 11
1944 -- Dec 27, USAF B-24J Plane Crash, near Mattituck, Long Island, NY -- 11

1945 -- Jan 9, USAF B-24 Breakup/Crash ~Chatham Field, Savannah, GA -- 11
1945 -- Jan 17, USAF B-17F Plane Fire/Crash, near Bay Minette, AL -- 11
1945 -- Dec 27, USAF B-24J Plane Crash, near Mattituck, Long Island, NY -- 11
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
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</thead>
<tbody>
<tr>
<td>1945</td>
<td>June 30, USAAF TB-24J Crash</td>
<td>Las Vegas Field, Las Vegas, NV</td>
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<tr>
<td>1945</td>
<td>July 14, USAAF TB-25C Plane Crash</td>
<td>1 mile NW of Weldon, TX</td>
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<td>1945</td>
<td>July 22, USAAF B-24M Crash</td>
<td>James River, ~Newport News, VA</td>
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<tr>
<td>1945</td>
<td>Aug 9, USAAF TB-24D Crash</td>
<td>~Buckingham Field, Ft. Myers, FL</td>
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<td>1946</td>
<td>Apr 04 USN R4D-6 Transport Plane Crash</td>
<td>sandhills 15M ~Albuquerque, NM</td>
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<tr>
<td>1946</td>
<td>Oct 01, Plane Crash in storm, fire</td>
<td>USAAF B-29, Buffalo Valley, NV</td>
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<td>1946</td>
<td>Nov 13, Western Air Flight 23 Crashes</td>
<td>White Mt., Lebec, CA</td>
<td>11</td>
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<tr>
<td>1946</td>
<td>Nov 1, USAF C-47 Plane Breakup and Crash</td>
<td>Thunderstorm, ~Muldrow, OK</td>
<td>11</td>
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<tr>
<td>1949</td>
<td>Nov 03, USAF RB-29 Weather Plane Crash</td>
<td>off Kindley US AFB, Bermuda</td>
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<td>1949</td>
<td>Dec 22, Plane Crash</td>
<td>USAF B50 Bomber, near Savannah, GA</td>
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<td>1950</td>
<td>Apr 28, United Flight 129 Crash</td>
<td>near Fort Wayne, IN</td>
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<td>1951</td>
<td>Aug 13, Plane Crash</td>
<td>USAF B-50, Lester Apartments, Beacon Hill, WA</td>
<td>11</td>
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<tr>
<td>1951</td>
<td>Nov 27, US Navy Martin Mariner Crash</td>
<td>San Diego, CA</td>
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<td>1952</td>
<td>Apr 08, USAF B-25 Crash</td>
<td>Golden Peak, near Golden, CO</td>
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<td>1952</td>
<td>Jun 24, NM-based USAF B-50 Superfortress Crash</td>
<td>near Lakenheath, UK</td>
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<tr>
<td>1952</td>
<td>Oct 08, USAF B29 and F94 Jet Midair Collision</td>
<td>near Portland, OR</td>
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<td>1952</td>
<td>Nov 12, USAF Consolidated Privateer Crash</td>
<td>Shelton, WA</td>
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<td>1954</td>
<td>Sep 28, USN PB-5 Marlin Takeoff Crash</td>
<td>Sangley Point NAS, Philippines</td>
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<td>1955</td>
<td>Feb 17, USAF Lockheed P-2 Neptune Crash</td>
<td>Elmendorf AFB, AK</td>
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<tr>
<td>1955</td>
<td>Sep 26, US Navy P-2 Neptune</td>
<td>131442 Lost</td>
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<td>1956</td>
<td>Aug 31 Eielson AFB AK WB-50 Plane</td>
<td>Crashes 50 miles north of Anchorage</td>
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<tr>
<td>1957</td>
<td>Apr 02, US Navy Neptune Plane Explos.</td>
<td>~Atlantic, Chincoteague AFB, VA</td>
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<tr>
<td>1957</td>
<td>Jul 19, Willow Grove NAS, PA, Neptune Crash</td>
<td>San Martino Mt., no. Italy</td>
<td>11</td>
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<tr>
<td>1957</td>
<td>Oct 18, USN Constellation Plane Crash</td>
<td>~Argentia, Newfoundland, Canada</td>
<td>11</td>
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<tr>
<td>1958</td>
<td>Nov 24, Trans World Air Flight 595 Takeoff Crash</td>
<td>Chicago, IL</td>
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<td>1960</td>
<td>Sep 08, Yokota AB USAF Weather B-50 Crash</td>
<td>into Mt., near Ishikawa, Japan</td>
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<tr>
<td>1963</td>
<td>Aug 28, Apparent Mid-Air Collision</td>
<td>two USAF Tankers, off East Coast</td>
<td>11</td>
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<tr>
<td>1966</td>
<td>Apr 09, US Navy Orion P-3A Crashes into Pacific</td>
<td>300km off San Diego, CA</td>
<td>11</td>
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<tr>
<td>1966</td>
<td>Oct 08, Petroleum Helicopter, Bell 204B</td>
<td>goes into Gulf ~Morgan City, LA</td>
<td>11</td>
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<tr>
<td>1969</td>
<td>Jan 6, Allegheny Air Flight 737</td>
<td>Approach Crash, Bradford, PA</td>
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<td>1969</td>
<td>Dec 5, Lockheed Lodestar Plane Crash</td>
<td>NE Albuquerque, NM</td>
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<tr>
<td>1970</td>
<td>Sep 8, Trans International Air 893</td>
<td>Takeoff Crash, JFK AP, NY</td>
<td>11</td>
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<tr>
<td>1971</td>
<td>May 29, Petroleum Helicopter Crash</td>
<td>Oil Platform Workers, Dulac, LA</td>
<td>11</td>
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<tr>
<td>1972</td>
<td>Nov 17, Metro Air System (N2700S) Crash</td>
<td>Elkton, KY</td>
<td>11</td>
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<tr>
<td>1972</td>
<td>Feb 07, Navy Corsair II Plane Crash/Apartment Bldg.</td>
<td>Fire, Alameda, CA</td>
<td>11</td>
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<tr>
<td>1972</td>
<td>Sep 27, Texas International Air N94230 Crash</td>
<td>Black Fork Mt., AR</td>
<td>11</td>
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</tbody>
</table>

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

98 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.
730. 1974 -- Apr 11, Plane Crash, Island Air Beechcraft 18 (N28358) Kahului, HI -- 11
731. 1976 -- Sep 26, Crash, Johnson & Johnson Gulfstream, Hot Springs, AR -- 11
732. 1978 -- Nov 30, Plane Crashes; USAF C-130 Cottageville, SC; Piper, Albany AP, GA-- 11
733. 1981 -- Dec 5, Crash (pilot error), Jump Hawaii Club Beechcraft C-45, Honolulu, HI-- 11
734. 1982 -- April 2, US Navy transport plane crash, Mediterranean island of Crete -- 11
735. 1983 -- Aug 21, Landry Aviation plane with skydivers stalls/crashes, Silvana, WA -- 11
736. 1986 -- Apr 2, Plane Crash, USAF Hercules C-130 Magdalena, NM -- 11
737. 1989 -- Jun 11, Plane Crash, Scenic Air Tours (N34AP) Waipio Valley, HI -- 11
738. 1999 -- June 1, American Airlines 1420, Storm/Landing Collis., Little Rock, AR -- 11
741. 2011 -- Sep 16, Nevada Air Show Crash into Grandstand, Reno, NV -- 11
742. 2015 -- Mar 10, U.S. Army Blackhawk Helicopter Crash, Gulf off Navarre Beach, FL-- 11
743. 2019 -- June 21 -- Skydiving charter plane crash, Dillingham Airfield, Oahu, HI -- 11

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

744. 1930 -- Jan 2, Motion Picture Private Planes Collide, Santa Monica, CA -- 10
745. 1933 -- Jun 11, Chicago Exposition Sightseeing Plane Crash, ~Glenview IL -- 9-10
746. 1933 -- Oct 10, United Airlines Bombing/Sabotage, Chesterton, IN -- 10
747. 1936 -- Sep 5, Skyways Sight-seeing Plane Crash, Buttermilk Hollow, PA ~Pittsburgh--10
748. 1938 -- Jan 10, Northwest Airlines Plane Crash, Bridger Canyon, MT -- 10
749. 1938 -- May 24, United Air Flight 9 Fire and Crash, near Cleveland, OH -- 10
750. 1939 -- Mar 18, Boeing Stratoliner test flight Crash, near Adler, Mt. Rainier, WA -- 10
751. 1940 -- Nov 4, United Air NC16086 Crash, Centerville, UT -- 10
752. 1940 -- Dec 4, United Airlines DC-3 (NC25678) Crash, Chicago, IL -- 10
753. 1942 -- Jan 17, 3 USAAF Crashes, Riverside CA, Pendleton Field OR, Curtis Field TX--10
754. 1942 -- Feb 4, USAAF Planes Crash, Lake Tahoe NV, Brooks Field TX, Trinity Ctr CA--10
755. 1942 -- Mar 15, Army AF B-17 Flies into Mountain near Pendleton, OR -- 10
756. 1942 -- Apr 5, Plane Crash, USAAF B-17 Flying Fortress, Oahu, HI -- 10
757. 1942 -- Apr 16, Two USAAF Planes Crash, Chesapeake Bay; MacDill Field, FL -- 10
758. 1942 -- May 6, Army AF B-17 Disappears, Training Flight, Gulf of Mexico -- 10
759. 1942 -- May 15, Four USAAF Crashes, CA (2), ~Wendover Field, UT, ~Mason, TX -- 10
760. 1942 -- June 01, Planes Crash, Two USAAF (MD and PA) and one US Navy (CA) -- 9-10
761. 1942 -- June 5, Plane Lost, USN PBY-5A #05023, NAS Pensacola to Gulf -- 10
762. 1942 -- July 18, U.S. Army Air Force B-17 Crash, North Reading, MA -- 10
763. 1942 -- July 30, USAAF C-73 Takeoff Crash, Minneapolis, MN -- 10
764. 1942 -- Sep 11, U.S. Army Air Force B-24 Crash, Mt. Baldy, AZ -- 10
765. 1942 -- Nov 30, US Army AF B-17 Crash, near Sioux City, IA -- 10
766. 1942 -- Dec 2, U.S. Army Air Force B-17 Crash near Grace, ID -- 10
767. 1943 -- Jan 6, U.S. Army Air Force B-24 Crash, Madill, OK -- 10
768. 1943 -- Jan 2, U.S. Army Air Force B-17 Crash, Elko, NV -- 10
769. 1943 -- Jan 12, U.S. Army Air Force B-24 Crash, Alamogordo, NM -- 10
770. 1943 -- Jan 15, U.S. Army Force B-17 Crash, Gowen Field, ID -- 10
771. 1943 -- Jan 24, U.S. Army AF B-24 Crash, Ruidoso, NM -- 10

79 Cross-listed in Auto and Air Racing/Show Events.
772. 1943 -- Jan 24, U.S. Army AF B-17 Crash, near Ordway, CO -- 10
773. 1943 -- Jan 26, US Army AF B-23 Dragon Crash, Flomaton, AL -- 10
774. 1943 -- Feb 11, Army Bomber Crashes, Near Wala Wala, WA -- 10
775. 1943 -- Feb 25, U.S. Army AF B-17 Crash, near Glenrock, WY -- 10
776. 1943 -- Feb 26, U.S. Army AF B-17 Crash, Biggs Field, El Paso, TX -- 10
777. 1943 -- Mar 22, Plane Crash, USAF, Army Air Field, Harlingen, TX -- 10
778. 1943 -- Apr 12, Plane Crash, USAF ~Davis-Monthan Field, Tucson, AZ -- 10
779. 1943 -- Apr 21, Crash, USAF B-24 ~210 miles off Virginia Beach, VA -- 10
780. 1943 -- Apr 21, Crash, USAF C-69A, Evansville Municipal Airport, IN -- 10
781. 1943 -- Apr 26, Crash, U.S. Army Air Force B-24D, near Ballinger, TX -- 10
782. 1943 -- Apr 29, USAF B-24 Lost, Hamilton Field, CA to Hickam Field, HI -- 10
783. 1943 -- May 16, Runway Collision, B-17’s, Ephrata Army Air Base, WA -- 10
784. 1943 -- May 23, Crash, USAF B-17F, Yellowstone National Park, MT -- 10
785. 1943 -- May 29, Plane Lost, USAF B-24, Pacific Ocean off Coast of CA -- 10
786. 1943 -- June 28/29, Plane Crash, USAF, Big Horn Mts., Cloud Peak, WY -- 10
787. 1943 -- June 29, Crash, USAF B-24E, Alamogordo Army Air Base, NM -- 10
788. 1943 -- July 03, Plane Crash, USAF B-17F, White City, KS -- 10
789. 1943 -- July 21, Plane Collision USAF B-26C’s, near Parrish, FL -- 10
790. 1943 -- Aug 1, US Army Air Force CG-4 Glider Demo Flight Crash, St. Louis, MO -- 10
791. 1943 -- Aug 12, Plane Crash, USAF B-24A, near Indio, CA -- 10
792. 1943 -- Aug 16, Plane Crash, USAF B-24E, near Pueblo, CO -- 10
793. 1943 -- Aug 16, Plane Crash, USAF B-24E, Gowen Field, Boise, ID -- 10
794. 1943 -- Aug 18, Crash, USAF B24, Gulf of Mex., off Corpus Christi, TX -- 10
795. 1943 -- Aug 27, Crash, USAF B-24, Cheyenne Mt., ~Peterson Field, CO -- 10
796. 1943 -- Aug 29, Plane Crash, USAF B-24E, near Wendover Field, UT -- 10
797. 1943 -- Sep 01, Explosion/Crash, USAF B-17F, ~ Fort Benton, MT -- 10
798. 1943 -- Sep 02, Crash, USAF B-24E, near Army Air Base, Sioux City, IA -- 10
799. 1943 -- Sep 05, Plane Crash, USAF B-17F, Lake Cormorant, MS -- 10
800. 1943 -- Sep 06, Plane Crash, USAF B-17F, near Rapid City, SD -- 10
802. 1943 -- Oct 04, Crash, USAF, B-24D, Army Air Base, Blythe, CA -- 10
803. 1943 -- Oct 06, Lost, USAF, B-24D, Pacific Ocean off N. CA/OR -- 10
804. 1943 -- Oct 14, Plane Crash, USAF, B-24D, Neighbours, CA -- 10
805. 1943 -- Oct 15, Crash, USAF B-24E near Army Air Base, Blythe, CA -- 10
806. 1943 -- Oct 24, Crash, USAF, Smokey Hill Army Air Field, Salina, KS -- 10
807. 1943 -- Oct 29, Crash, USAF B-24E, Cucamonga Peak, Fontana, CA -- 10
808. 1943 -- Nov 03, Plane Crash, US Army AF, B-24J, near Pueblo, CO -- 10
809. 1943 -- Nov 19, Crash, USAF B-17F, near Thonotosassa, FL -- 10
810. 1943 -- Dec 04, B-24 Bomber Crash, near Elverson, PA (near Reading, PA) -- 9-10
811. 1943 -- Dec 13, Plane Crash, USAF, B-17F, near Rosebud, SD -- 10
812. 1944 -- Jan 03, Plane Crash, USAF B-24J, 25 miles SE of Muroc, CA -- 10
813. 1944 -- Jan 13, Crash, USAF B-17, near Army Air Field, Fort Worth, TX -- 10
814. 1944 -- Jan 22, Collision, USAF, Gulf of Mexico, near Little Marco Pass, FL -- 10
815. 1944 -- Jan 24, Mid-Air Collision, USAAF C-60/AT-7, near Farmersville, LA -- 10
816. 1944 -- Feb 12, Two USAAF B-17’s Collide, one Crashes, Mill Creek, OK -- 10
817. 1944 -- Feb 23, USN North Amer. PB-1D Mitchell Bombers Collide ~Bern, NC -- 10
818. 1944 -- Feb 26, Plane Lost, USAAF, B-24E, Atlantic Ocean, off SE Coast -- 10
819. 1944 -- Feb 26, Plane Crash, USAAF, B-17, near Palmer Lake, CO -- 10
820. 1944 -- May 05 USAAF Crash, out of Hickam Field HI, Aiea Ridge, Oahu, HI -- 10
821. 1944 -- Mar 6, Plane Crash, USAAF B17G, near Maxwell, IA -- 10
822. 1944 -- Mar 18, Crash, USAAF B24H, ~Davis-Monthan Field, Tucson, AZ -- 10
823. 1944 -- Mar 20, Crash, USAAF, RB-24E, near Biggs Field, El Paso, TX -- 10
824. 1944 -- Mar 26, Crash, USAAF, B-24, ~Naval Air Station, Melbourne, FL -- 10
825. 1944 -- Apr 09, USAAF B-24D Crash, ~ USMC Air Station, Mojave, CA -- 10
826. 1944 -- Apr 24, Plane Crash, USAAF B-24H, near Epsom, NH -- 10
827. 1944 -- Apr 29, USAAF RB-24E Liberator Bomber Plane Crash, near Merna, NE -- 10
828. 1944 -- May 10, USAAF Plane Crash, near Biggs Field, El Paso, TX -- 10
829. 1944 -- May 16, Dirigible Airship (Blimp) K-5 Crash, Lakehurst NAS, NJ -- 10
830. 1944 -- May 18, USAAF B-17 Crash, near Rapid City Army Air Base, SD -- 10
831. 1944 -- May 27, USAAF B-24J Crash, Westover Field, Chicopee, MA -- 10
832. 1944 -- May 29, Plane Crash, USAAF B-17G, near Ridgetly, TN -- 10
833. 1944 -- June 7, USAAF B-24J Plane Crash, near Chappell, NE -- 10
834. 1944 -- June 13, USAAF B-24E Bomber Crash, Green Knob Mt., near Asheville, NC -- 10
835. 1944 -- June 20, USAAF B-24J Lost, Atlantic Ocean, off Southeast Coast -- 10
836. 1944 -- June 22, USAAF B-24J Crash, ~Walla Walls Army Air Field, WA -- 10
837. 1944 -- June 29, USAAF B-24D Plane Crash, near Tobe, CO -- 10
838. 1944 -- June 30, USAAF B-24J Plane Lost, off Myrtle Beach, SC -- 10
839. 1944 -- July 4, USAAF B-24J Planes Collide, near Palm Springs, CA -- 10
840. 1944 -- July 11, USAAF B-17G Crash, Deer Mountain near Rangeley, ME -- 10
841. 1944 -- July 20, USAAF B1-17F’s Collide, Brooksville, FL -- 10
842. 1944 -- July 20, USAAF B-24’s Collide, near Roswell, NM -- 10
843. 1944 -- July 23, USAAF B-24J Fire/Crash, ~Chatham Field, Savannah, GA -- 10
844. 1944 -- July 25, USAAF B-24 Crash, San Pablo Bay, near San Rafael, CA -- 10
845. 1944 -- July 30, USAAF B-17 Breaks-up/Crashes, 6M from St. Marks, FL -- 10
846. 1944 -- Aug 9, USAAF B-24J Plane Fire/Crash, near Kiowa, CO -- 10
847. 1944 -- Aug 21, USAAF YB-29 Plane Crash, 25M ~ Alamogordo, NM -- 10
848. 1944 -- Aug 27, USAAF B-17G Plane Crash, 20M ~Bay St. Louis, MS -- 10
849. 1944 -- Sep 1, USAAF B-24J Plane Crash, ~ Muroc Army Air Field, CA -- 10
850. 1944 -- Sep 29, USN PBM-3D Crash, Southeast of Palau Island, West Central Pacific -- 10
851. 1944 -- Oct 17, USAAF B-24J Plane Crash, 12M NE of Ukiah, OR -- 10
852. 1944 -- Oct 29, USAAF B-17F Crash, ~ Chatham Field, Savannah, GA -- 10
853. 1944 -- Nov 29 USAAF B-24 Liberator Plane Crash, Middle Mt., Nottingham, NH -- 9-10
854. 1944 -- Dec 8, USAAF AT-18 Planes Collide, Sioux Falls Army Air Field, SD -- 10
855. 1944 -- Dec 22, USAAF B-24 Crash, Mt. Gleason, La Crescenta, CA -- 10
856. 1944 -- Dec 29, USAAF B-24J Plane Break-up/Crash, near Meridian, ID -- 10
857. 1944 -- Dec 30, USAAF B-29 Plane Fire/Crash, near Walker AAF, KS -- 10
858. 1945 -- Jan 20, USAAF B-24J Crash, near Muroc Army Air Field, CA -- 10
859. 1945 -- Jan 26, USAAF B-17G Crash, ~ Hendricks Field, Sebring, FL -- 10
860. 1945 -- Feb 12, USAAF B-24D Plane Crash, near Troy, OR -- 10
861. 1945 -- Mar 03, USAAF B-17F Plane Crash, near Winnfield, LA -- 10
862. 1945 -- Mar 06, USAAF B-24D, Crash, near Mountain Home AAF, ID -- 10
863. 1945 -- Apr 08, USAAF TB-17F Plane Crash, near Tellico Plains, TN -- 10
864. 1945 -- Apr 16, Two USAAF AT-11 Planes Collide, near Big Spring, TX -- 10
865. 1945 -- Jun 11, USAAF B-29 Structural Failure/Crash ~Rush Springs OK -- 10
866. 1945 -- Jul 17, USAAF B-17F Crash, near Smoky Hill AAB, Salina, KS -- 10
867. 1945 -- Aug 22, USN PB4Y-2 Plane Crash into sea, Trng. Flight, off San Diego, CA-- 10
868. 1945 -- Sep 7, USAAF B-29 Fire/Crash, 4½ miles south, Wedowee, AL -- 10
869. 1946 -- Mar 7, USAF B-29 Superfortress Plane Crash,, Kirtland AAR, NM -- 10
870. 1947 -- Feb 22, U.S. Coast Guard PBM-5 Crashes in Mex. on way back to San Diego-- 10
871. 1947 -- Aug 16, USAF B17 Plane Crash 50 miles off Barbers Point, Kalaeloa, HI -- 10
872. 1948 -- Aug 5, USN Douglas R4D-6 and civilian Stearman Collide ~NAS Miami, FL-- 10
873. 1948 -- Dec 22, USAF B-50 Crash near Fairbanks, AK -- 10
874. 1949 -- Aug 31, US Navy Martin Mariner PBM-5 Crash, off San Diego, CA -- 10

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

875. 1950 -- Apr 08, USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area80 -- 10
876. 1951 -- Jan 16, Northwest Orient Flight 115 Crash, Near Reardan, WA -- 10
877. 1951 -- Jun 03, USAF Plane Crash, New Boston, TX -- 10
878. 1951 -- Aug 31, USAF Consol. Privateer Crash, Little Tanaga Island, AK -- 10
879. 1951 -- Nov 06, P2V-3W Shot Down by Soviet Aircraft, Sea of Japan -- 10
880. 1952 -- Mar 21, USAF Consolidated Privateer Crash, off Corpus Christi NAS, TX -- 10
881. 1952 -- Apr 1-10, Military Plane Crashes, Parachuting, “Exercise Longhorn,” TX -- 10
882. 1952 -- Apr 05, USAF B-29 weather plane crash, McClellan AFB, Sacramento, CA -- 10
883. 1952 -- Oct 26, USAF WB-29 lost, Typhoon, Anderson AFB, Guam to Philippines -- 10
884. 1953 -- Jan 28, USN PB4Y Privateer Plane Crash, Black Peak, WA -- 10
885. 1953 -- Mar 18, Plane Crash, USAF Superfortress, St. George’s Bay, NFL, Can. -- 10
886. 1954 -- Jan 04, US Navy P2V Neptune Bomber Lost, Yellow Sea, off Coast of Korea-- 10
887. 1954 -- Feb 05, USAF C-47 Crashes, Susitna Valley, AK -- 10
888. 1954 -- May 5, USN PBM-5 Seaplane Crash, Sidewalk Mt., near Carricitos, Mexico-- 10
889. 1954 -- Dec 22, Johnson Flying Service Crash, Monongahela River, ~Pittsburgh, PA-- 10
890. 1955 -- June 29, USAF C-47 Transport Plane Crash, Sitkinak Island, AK -- 10
891. 1956 -- Nov 9, USN P5M Marlin Patrol Plane Lost no. of Bermuda, possibly off MD-- 10
892. 1956 -- Nov 30, USAF Boeing B-52 Crash, Merced, CA -- 10
894. 1957 -- July 23, USN P-2 Neptune Explosion, off Barbers Point Naval Air Sta., HI -- 10
895. 1957 -- Dec 09, Navy P5M Marlin Seaplane Explosion/Crash, Corpus Christi, TX -- 9-10
896. 1958 -- Jan 15 Anderson AFB, Guam USAF Weather WB50 Lost, Typhoon Ophelia-- 10
897. 1958 -- Sep 29, USN Neptune PV-2 Patrol Plane Crash, 22M no. of Key West, FL -- 10
898. 1959 -- Jan 8, Southeast Airlines Flight 308 Approach Crash, Bristol, TN -- 10
899. 1959 -- May 20, USAF C-130 Hercules Plane Crash into Barracks, Ashiya AB, Japan-- 10

80 Cross-listed in Violence—Attack.
900. 1959 -- July 1, Continental Can Co. Corp. Plane Crash, near Marion, OH -- 10

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

901. 1962 -- Sep 22, US Navy Martin Marlin P5M Crash, Montague Island, Gulf of AK -- 10
902. 1963 -- Sep 22, USAF C-133A Cargomaster Crash, Atlantic SE Dover AFB, DE -- 10
903. 1964 -- Feb 03, South Central Air Takeoff Crash, Gainesville Airport, FL -- 10
904. 1964 -- May 11, USN P2V Plane Crash, Atlantic, 25 mls SW of US AB Rota, Spain -- 10
905. 1964 -- Nov 17, USN P-3A Orion Landing Crash, Fog, USN Base, Argentina NFL -- 10
906. 1968 -- Jul 28, USAF C-124A, GA Reserve, Crash, 50 miles NW of Recife, Brazil -- 10
907. 1969 -- Feb 05, Crash, Angeles Flying Service, Clallam Ct. AP, Port Angeles, WA -- 10
908. 1969 -- June 23, Dominicana de Aviacion Takeoff Crash, Miami IAP, FL -- 10
910. 1971 -- Sep 16, Scenic Airlines Cessna 402 Crash, Peach Springs, AZ -- 10
911. 1971 -- Nov 12, USAF Lockheed C-130 Hercules Crash, Little Rock AFB, AR -- 10
912. 1972 -- Dec 20, Planes Collide/Fog, No. Central & Delta, O’Hare Chicago, IL -- 10
913. 1973 -- Dec 11, US Navy R6D-1 Crash, Great Sitkin Island (Adak approach), AK -- 10
916. 1978 -- Aug 30, Las Vegas Airlines (N44LV) Crash, North Las Vegas, NE -- 10
917. 1978 -- Dec 28, United Airlines N8082U Crash, Portland, OR -- 10
919. 1979 -- Oct 27/28, Mexican General Prosecutor Office Plane Crash, San Ysidro, CA -- 10
920. 1980 -- March 27, Lufkin Inc., Beechcraft plane crash (icing), fire, ~Parker, CO -- 10
921. 1983 -- Aug 17, Las Vegas Airlines Flight 88 flies into mountain, Grand Canyon, AZ-- 10
923. 1987 -- Jan 15, Sky West N163SW Crash, Slat Lake City, UT -- 10
924. 1987 -- July 4, Private (band) Beechcraft crash, near Flathead Lake, Lakeside, MT -- 10
925. 1987 -- Oct 20, USAF A-7D Jet Crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
928. 1989 -- Sep 27, Grand Canyon Airlines Flight 5 (sightseeing) Crash, Tusayan, AZ -- 10
929. 1991 -- Mar 16, Reba McEntire band charter plane crash, Otay Mt. ~San Diego, CA-- 10
930. 1992 -- June 19, Adventure Air Crash, Grand Canyon sightseeing, ~Meadview, AZ -- 10
931. 1994 -- Jan 5, Kimura International Air (charter) crash, near Fort Drum, FL -- 10
932. 1996 -- Nov 22, USAF Hercules Engine Loss/Crash, Pacific ~Cape Mendocino, CA-- 10
933. 1999 -- July 31, Takeoff crash/Parahawks Skydiving Center plane, Marine City, MI -- 10
934. 1999 -- Sep 25, Big Island Air Piper Crash (N411WL) Kailua Kona, HI -- 10
935. 2001 -- Jan 27, Charter Plane Crash, OK St Univ. Basketball Members, Strasburg, CO-- 10

81 Cross-listed in Fog as a Contributing Factor.
82 Cross-listed in Lightning.
83 Cross-listed in Fog as a Contributing Factor.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Fatality</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>Oct 10</td>
<td>PenAir flight 350 crash after takeoff (wing icing)</td>
<td>Dillingham, AK</td>
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<tr>
<td>2002</td>
<td>Aug 7</td>
<td>Plane Crash, USAF Combat Talon II, Caguas, Puerto Rico</td>
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<tr>
<td>2004</td>
<td>Oct 24</td>
<td>Hendrick Motorsports N501RH Crash, Martinsville, VA</td>
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<tr>
<td>2007</td>
<td>Oct 7</td>
<td>Plane crash, Kapowsin Air Sports (skydiving), near Naches, WA</td>
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<tr>
<td>2008</td>
<td>Aug 22</td>
<td>Red Canyon Aesthetics/Medical Spa Plane Crash, near Moab, UT</td>
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<tr>
<td>2010</td>
<td>July 07</td>
<td>Rediske Air-Taxi Crash, de Havilland DHC3 Otter, Soldotna, AK</td>
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<tr>
<td>2019</td>
<td>June 30</td>
<td>Plane crash into AP hangar on takeoff, near no. Dallas, Addison, TX</td>
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Select Other Aviation (fewer than ten fatalities):

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Fatality</th>
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</thead>
<tbody>
<tr>
<td>1930</td>
<td>Apr 27</td>
<td>Plane Buzzes Spectators, Crashes at Air Show near Fayetteville, TN</td>
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<tr>
<td>1944</td>
<td>Apr 19</td>
<td>USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX</td>
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<tr>
<td>1948</td>
<td>Jan 30</td>
<td>USAF B-17 Crash, Cheval Blanc Mountain, Southern France</td>
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<tr>
<td>1954</td>
<td>Dec 29</td>
<td>Plane rear-door fails/crash, USAF C119, Shin Point –New Hope, AL</td>
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<tr>
<td>1959</td>
<td>May 11</td>
<td>Plane Crash, USN P2V, Whidbey Island Naval Air Station, WA</td>
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<tr>
<td>1963</td>
<td>Dec 23</td>
<td>USAF B-52 Stratofortress Crash after takeoff, Columbus AFB, MS</td>
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<tr>
<td>1975</td>
<td>Jan 09</td>
<td>USAF T29D and Cessna Collide 4 miles west of Newport News, VA</td>
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<tr>
<td>1982</td>
<td>Aug 31</td>
<td>USAF C-141 transport plane crash, John’s Knob, Cherokee Nat., TN</td>
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<tr>
<td>1987</td>
<td>March 4</td>
<td>Northwest Airlink Crash, Detroit/Wayne County Airport, Romulus, MI</td>
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<tr>
<td>1989</td>
<td>Feb 24</td>
<td>United Airlines 811 (355 aboard) cargo door failure over Pacific near Hawaii</td>
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<tr>
<td>1996</td>
<td>Aug 17</td>
<td>USAF C-130 Crash, Presidential support mission, ~Jackson Hole, WY</td>
<td></td>
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<tr>
<td>2009</td>
<td>Aug 09</td>
<td>Private Plane/Helicopter Collision, Hudson River, off Hoboken, NJ</td>
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<tr>
<td>2009</td>
<td>Oct 29</td>
<td>USMC Helicopter/USCG C-130 Col. ~San Clemente Island, CA</td>
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<tr>
<td>2015</td>
<td>June 25</td>
<td>Plane Crash, Cruise Ship Passengers, ~25M from Ketchikan, SE AK</td>
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<tr>
<td>2015</td>
<td>Nov 10</td>
<td>Company jet crash into apt. bldg. on airport approach, Akron, OH</td>
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<tr>
<td>2018</td>
<td>May 2</td>
<td>Puerto Rico Air National Guard C-130 plane crash near Savannah, GA</td>
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<tr>
<td>1929</td>
<td>Sep 3</td>
<td>1st US Lightning-Strike Plane Crash, Transcontinental Air, Mt. Taylor, NM</td>
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<tr>
<td>1957</td>
<td>Jan 31</td>
<td>Midair Collision, DC-7 / USAF Scorpion, Sunland, CA</td>
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<tr>
<td>1963</td>
<td>Jan 29</td>
<td>Continental Airlines 290 crash, Kansas City Municipal Airport, MO</td>
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<tr>
<td>1973</td>
<td>Feb 26</td>
<td>Lear Jet/Bird Strike, Peachtree-Dekalb AP, Atlanta, GA</td>
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<tr>
<td>1978</td>
<td>Sep 08</td>
<td>USAF C130 Crash into mountain, ~8 miles N of Little Rock AFB, AR</td>
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<tr>
<td>1982</td>
<td>Sep 11</td>
<td>USAF Chinook Crash, Airshow, ~Mannheim, Germany --46, U.S. 7-8</td>
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<tr>
<td>1986</td>
<td>Aug 29</td>
<td>CH-46 Helicopter Crash, Carrier USS Saipan off Bodoe, Norway</td>
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<tr>
<td>1990</td>
<td>Dec 3</td>
<td>fog, runway collision/fire, Northwest 1482 &amp; 299, DTW AP, Romulus, MI</td>
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<tr>
<td>1993</td>
<td>April 19</td>
<td>Plane Crash, SD Governor Mickelson &amp; party, near Zwingle, IA</td>
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<tr>
<td>1995</td>
<td>Apr 17</td>
<td>Plane Crash, USAAF C-21 Learjet, near Alexander City Airport, AL</td>
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<tr>
<td>2009</td>
<td>Jan 4</td>
<td>Sikorsky Helicopter hits hawk after takeoff, crashes ~Morgan City, LA</td>
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<tr>
<td>1943</td>
<td>Jan 01</td>
<td>Navy PBY Flying Boat sinks off Coos Bay, OR</td>
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<tr>
<td>1946</td>
<td>Aug 9</td>
<td>USAF A-26 Bombers Collide, No. Montana State Fair, Great Falls</td>
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<tr>
<td>1959</td>
<td>July 22</td>
<td>Plane Explosion and Crash, USAF KC-97, near East Andover, NH</td>
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<tr>
<td>1978</td>
<td>Sep 04</td>
<td>Hughes 269C Helicopter Crashes into Churchyard Festival, Derry, PA</td>
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<tr>
<td>1985</td>
<td>Dec 31</td>
<td>Century Equip. C-47 Plane Fire/Crash (Ricky Nelson), ~DeKalb, TX</td>
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<tr>
<td>1986</td>
<td>Jan 28</td>
<td>Challenger Space Shuttle Break-up (O-Ring) Cape Canaveral, FL</td>
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<tr>
<td>1991</td>
<td>Feb 3</td>
<td>Cessna 182 Parachute Plane collides with private plane, Osceola, WI</td>
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<td>7</td>
</tr>
</tbody>
</table>
1991 -- Apr 4, Plane/Helicopter Collision (Sen. Heinz Crash), Merion, PA (~Philly) -- 7
2003 -- Feb 01, Columbia Space Shuttle Re-entry Break-up over TX -- 7

AVIATION -- Master Set -- By MORTALITY (select other <10 deaths, continued)

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
1957 -- Apr 12, U.S. Navy Neptune VP26 Bomber Crashes, 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
1983 -- July 10/11, US Army CH-47 Chinook Helicopter Crash, South Fox Island, MI -- 6
1985 -- Nov 23, Twin-engine Beechcraft plane crash, Boca Raton, FL (all aboard killed) -- 6
1988 -- June 8, Air Nat. Guard C-130 Crash, touch-and-go-landing, Greenville, MS -- 6
1992 -- Oct 7, WV Air National Guard C-130 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

1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico -- 5
1945 -- May 27, Plane Crash debris hits car, USAAF 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 and T-37 Planes Collide, NE of 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
2008 -- Mar 04, Cessna 500 Crash/Birds, ~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 3, 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 birdstrike, near Gainesville, FL -- 1
1. 1919 -- July 21, Goodrich Dirigible Airship “Wing Foot” Crash, IL Bank, Chicago IL-12-13

   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 3, Navy Dirigible Airship Shenandoah Crash, Noble County, Ohio -- 14
4. 1929 -- Mar 17, Colonial Western Airways Tri-Motor Crash, sightseeing, Newark NJ -- 14

5. 1930 -- Jan 2, 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, Dirigible Airship Crash, USS Akron (Navy ZRS-4), off Coast of NJ\(^{85}\) -- 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 -- April 7, TWA Flight No. 1 Crash into Mt., Fairchance, PA (Southwest PA) -- 12
14. 1936 -- Sep 5, Skyways Sight-seeing Plane Crash, Buttermilk Hollow, PA (~Pittsburgh)-- 10
15. 1936 -- Dec 19, Eastern Air NC13732 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 6, 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

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\(^{84}\) Include some US General Aviation and Military aviation events overseas.

\(^{85}\) 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.
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<td>1942</td>
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<td>USAAF C-39 Transport Plane Crashes near Caomo, Puerto Rico</td>
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86 Was attempting Fargo, ND landing – went down just north of the Moorhead, MN city limits.
70. 1942 -- Oct 03, USN Sikorsky Flying Boat *Excalibur* Crashes, Botwood, NFLD, Can.-- 11
71. 1942 -- Oct 17, US Army Air Force B-17 Crash, Sierra Grande Mt., NM -- 11
72. 1942 -- Oct 23, American Air/U.S. Army B-4 Bomber, 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, Basset 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 87 -- 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, USAAF 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

87 Cross-listed in Fire-Structural.
109. 1943 -- Apr 26, USAAF B-24D Plane Crash, near Ballinger, TX -- 10
110. 1943 -- Apr 29, USAAF B-24 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, NC\[88\] -- 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 IL\[89\] -- 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

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

\[88\] Cross-listed under Fog as contributing condition.
\[89\] Cross-listed in Fog as a Contributing Factor.
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<td>Sep 30, USAAF B-24H, Plane Crash, near Villa Santa Maria Del Norte, CO</td>
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<td>166. 1943</td>
<td>Oct 03, Crash, USAAF B-17F, Army Air Field, Brooksville, FL</td>
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<td>167. 1943</td>
<td>Oct 04, Crash, USAAF, B-24D, Army Air Base, Blythe, CA</td>
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<td>168. 1943</td>
<td>Oct 06, Lost, USAAF, B-24D, Pacific Ocean off N. CA/OR</td>
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<td>169. 1943</td>
<td>Oct 14, Plane Crash, USAAF, B-24D, Neighbours, CA</td>
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<td>170. 1943</td>
<td>Oct 15, Crash, USAAF B-24E near Army Air Base, Blythe, CA</td>
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<td>171. 1943</td>
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<td>173. 1943</td>
<td>Oct 22, Crash, USAAF B-17, Arkansas River, near Ponca City, OK</td>
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<td>174. 1943</td>
<td>Oct 24, Crash, USAAF, Smokey Hill Air Army Field, Salina, KS</td>
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<td>175. 1943</td>
<td>Oct 25, Two USAAF B-24H Planes Collide, near Milligan, NE</td>
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<td>176. 1943</td>
<td>Oct 29, Crash, USAAF B-24, Atlantic off West Palm Beach, FL</td>
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<td>177. 1943</td>
<td>Oct 29, USAAF C-47 Crashes at Hoffman-Mackall AAF, NC</td>
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<td>178. 1943</td>
<td>Oct 29, Crash, USAAF B-24E, Cucamonga Peak, Fontana, CA</td>
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<td>179. 1943</td>
<td>Nov 03, Plane Crash, US Army AF, B-24J, near Pueblo, CO</td>
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<td>180. 1943</td>
<td>Nov 18, Crash, U.S. Army AF, B-24J, near Melrose, NM</td>
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<td>181. 1943</td>
<td>Nov 18, USN Transport Plane Crash, 30mi. E of Rio De Janeiro, Brazil</td>
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<td>182. 1943</td>
<td>Nov 19, Crash, USAAF B-17F, near Thonotosassa, FL</td>
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<td>183. 1943</td>
<td>Nov 25, USAAF B-24E’s Collide, ~ Army Air Field, Liberal, KS</td>
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<td>184. 1943</td>
<td>Dec 04, B-24 Bomber Crash, near Elversion, PA (near Reading, PA)</td>
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<td>185. 1943</td>
<td>Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI 90</td>
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186. 1943 -- Dec 13, USAAF B-17F Plane Crash, near Rosebud, SD -- 10
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, Plane Crash, USAAF, B-17, 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
223. 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
224. 1944 -- Apr 24, Plane Crash, USAAF B-24H, near Epsom, NH -- 10
225. 1944 -- Apr 24, USAAF B-17G Crash, ~ Ardmore Army Air Field, OK -- 11

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225. 1944 -- Apr 25, USAAF B-24’s Collide, near Yuma Army Air Field, AZ -- 12
226. 1944 -- Apr 28, Navy R4D Transport Plane Crashes, 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 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, USAAF B-17G Crash, near Ridgely, TN -- 10
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, ME91 -- 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

91 Cross-listed under Fog as contributing condition.
264. 1944 -- Aug 21, USAAF YB-29 Plane Crash, 25M ~ Alamogordo, NM  --  10
265. 1944 -- Aug 21, USAAF B-24J’s Collide, near Model, CO  --  18
266. 1944 -- Aug 27, USAAF B-17G Plane Crash, 20M ~ Bay St. Louis, MS  --  10
267. 1944 -- Aug 28, Plane Crash, USAAF Douglas C54A, Prestwick, Scotland  -- 20 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, KS  --  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
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
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 08, USAAF AT-18 Planes Collide, Sioux Falls Army Air Field, SD  --  10
296. 1944 -- Dec 22, USAAF B-24 Crash, Mt. Gleason, La Crescenta, CA  --  10
297. 1944 -- Dec 25, USAAF C-47 Plane Crash, Black Mesa Mountain, Quartzsite, AZ  --  17
298. 1944 -- Dec 25, USAAF C-47A Plane Crash, Roundtop Mt. near Harrisburg, PA  --  11-12
299. 1944 -- Dec 27, USAAF B-24J Plane Crash, near Mattituck, Long Island, NY  --  11
300. 1944 -- Dec 29, USAAF B-24J Plane Break-up/Crash, near Meridian, ID  --  10
301. 1944 -- Dec 30, USAAF B-29 Plane Fire/Crash, near Walker AAF, KS  --  10

92 Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.
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<th>No.</th>
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<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
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<td>Jan 08, Pan Am China Clipper Flight 161 Crash</td>
<td>Port of Spain, Trinidad</td>
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<td>303</td>
<td>1945</td>
<td>Jan 09, USAAF B-29 Plane Lost</td>
<td>Atlantic, off Southeast Coast</td>
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<td>304</td>
<td>1945</td>
<td>Jan 09, USAAF B-24 Breakup/Crash ~Chatham Field</td>
<td>Savannah, GA</td>
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<td>305</td>
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<td>near Burbank-Hollywood, CA</td>
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<td>306</td>
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<td>near Bay Minette, AL</td>
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<td>307</td>
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<td>near Muroc Army Air Field, CA</td>
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<td>Jan 24, USAAF B-17Fs Collide</td>
<td>near Dyersburg, TN</td>
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<td>309</td>
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<td>Jan 26, USAAF B-17G Crash</td>
<td>near Hendricks Field, Sebring, FL</td>
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<td>310</td>
<td>1945</td>
<td>Jan 26, USN PB4Y-1 Liberator Landing Crash</td>
<td>~NAAS Jacksonville, FL</td>
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<td>311</td>
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<td>Feb 02, Florence to Rome USAAF C-47 Crash</td>
<td>3 mls W of Montieri, Italy</td>
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<td>312</td>
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<td>near Denio, OR</td>
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<td>313</td>
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<td>near Troy, OR</td>
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<td>San Fran. Bay, CA</td>
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<td>315</td>
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<td>Feb 23, American Air Flight 9, Crashes near Rural Retreat</td>
<td>VA</td>
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<td>Mar 03, USAAF B-17F Plane Crash</td>
<td>near Winnfield, LA</td>
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<td>317</td>
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<td>Mar 06, USAAF B-24D, Crash, near Mountain Home AAF, ID</td>
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<td>319</td>
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<td>320</td>
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<td>Apr 01, USAAF B-29 Fire/Crash, near Alamogordo, NM</td>
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<td>321</td>
<td>1945</td>
<td>Apr 08, USAAF TB-17F Plane Crash</td>
<td>Tellico Plains, TN</td>
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<td>322</td>
<td>1945</td>
<td>Apr 11, USAAF TB-17F Plane Collision, near Jackson AAB, MS</td>
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<td>Apr 11, USAAF B-24J Crash, Atlantic, off Charleston, SC</td>
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<td>324</td>
<td>1945</td>
<td>Apr 14, Penn.-Central Airlines # 142 Crash near Morgantown, WV</td>
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<td>325</td>
<td>1945</td>
<td>Apr 16, Two USAAF AT-11 Planes Collide, near Big Spring, TX</td>
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<td>326</td>
<td>1945</td>
<td>Apr 17, US Navy VB-4 Patrol Plane Crash, Trng. Ex., near Mayport, FL</td>
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<td>327</td>
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<td>Apr 20, USAAF C-47 Breakup/Crash, Thunderstorm, near Sweetwater, TX</td>
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<td>328</td>
<td>1945</td>
<td>Apr 24, USAAF B-29 Fire/Crash, Gulf of Mexico, off Key West, FL</td>
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<td>329</td>
<td>1945</td>
<td>Apr 27, U.S. Army AF C-46D, Plane Crash, near Claude, TX</td>
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<tr>
<td>330</td>
<td>1945</td>
<td>May 06, Two USAAF B-17s Collide, ~Esler Field, Alexandria LA</td>
<td>Alexandria LA</td>
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<td>331</td>
<td>1945</td>
<td>May 12, USAAF B-24M Plane Crash, 30M near Fort Bragg, CA</td>
<td>CA</td>
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<td>332</td>
<td>1945</td>
<td>May 13, USAAF “Shangra-La” Sightseeing Plane Crash, Mt., New Guinea</td>
<td>CA</td>
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<td>333</td>
<td>1945</td>
<td>May 27, Plane Crash debris hits car, USAAF Show, Wright Field, Dayton, OH</td>
<td>OH</td>
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<td>334</td>
<td>1945</td>
<td>June 11, USAAF B-29 Structural Failure/Crash ~Rush Springs, OK</td>
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<td>335</td>
<td>1945</td>
<td>June 14, Lightning-hit Plane Crash, USAAF C-46D, near Oakridge, MS</td>
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<tr>
<td>336</td>
<td>1945</td>
<td>June 30, USAF B-29 (44-69943) Crash, Guadalupe Peak, TX</td>
<td>TX</td>
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<tr>
<td>337</td>
<td>1945</td>
<td>June 30, USAF TB-24J Crash, Las Vegas Field, Las Vegas, NV</td>
<td>NV</td>
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93 Cross-listed under Fog as contributing condition.
94 Cross-listed under Lightning.
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<th>Year</th>
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<th>Event Description</th>
<th>Location</th>
<th>Source</th>
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<tr>
<td>1945</td>
<td>July 08</td>
<td>USAAF B-29 Structural Failure/Crash</td>
<td>near Pueblo AAB, CO</td>
<td>13</td>
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<tr>
<td>1945</td>
<td>July 13</td>
<td>USAAF B24 Crash, 25M</td>
<td>~Tyndall Field, Panama City FL</td>
<td>13</td>
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<tr>
<td>1945</td>
<td>July 14</td>
<td>USAAF B-29 Crash, Kirtland Field</td>
<td>Albuquerque, NM</td>
<td>13</td>
</tr>
<tr>
<td>1945</td>
<td>July 14</td>
<td>USAAF TB-25C Plane Crash</td>
<td>1 mile NW of Weldon, TX</td>
<td>11</td>
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<tr>
<td>1945</td>
<td>July 17</td>
<td>USAAF B-17F Crash, near Smoky Hill AAB</td>
<td>Salina, KS</td>
<td>10</td>
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<tr>
<td>1945</td>
<td>July 18</td>
<td>USN PB4Y-2 Privateer Plane Missing</td>
<td>out of NAS Miami, FL</td>
<td>15-17</td>
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<tr>
<td>1945</td>
<td>July 22</td>
<td>USAAF B-24M Crash</td>
<td>James River, ~Newport News, VA</td>
<td>11</td>
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<tr>
<td>1945</td>
<td>July 25</td>
<td>USAAF C-47B Crash</td>
<td>Th-Storm, 13M ~ to Tampa, FL</td>
<td>13</td>
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<tr>
<td>1945</td>
<td>July 28</td>
<td>B-25 Bomber Flies into Empire State Building</td>
<td>in Fog, 95 NY</td>
<td>14</td>
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<tr>
<td>1945</td>
<td>Aug 09</td>
<td>USAAF TB-24D Crash</td>
<td>~Buckingham Field, Ft. Myers, FL</td>
<td>11</td>
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<tr>
<td>1945</td>
<td>Aug 13</td>
<td>Two USAAF B-29s Collide</td>
<td>near Weatherford, TX</td>
<td>18</td>
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<tr>
<td>1945</td>
<td>Aug 22</td>
<td>USN PB4Y-2 Plane Crash</td>
<td>into sea, Trng. Flight, off San Diego, CA</td>
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<tr>
<td>1945</td>
<td>Aug 25</td>
<td>USAAF B-24J Plane Crash</td>
<td>17 miles NNW of Elgin, OR</td>
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<tr>
<td>1945</td>
<td>Sep 01</td>
<td>USAAF B-24J takeoff crash</td>
<td>near Hondo Army Air Field, TX</td>
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<tr>
<td>1945</td>
<td>Sep 07</td>
<td>Eastern Air Lines Flight</td>
<td>42 Crashes near Florence, SC</td>
<td>22</td>
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<td>1945</td>
<td>Sep 07</td>
<td>USAAF B-29 Fire/Crash</td>
<td>4 ½ miles south, Wedowee, AL</td>
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<tr>
<td>1945</td>
<td>Sep 10</td>
<td>B-24 Liberator with freed POWs crashes</td>
<td>Taitung, Taiwan</td>
<td>16 US of 25</td>
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<tr>
<td>1945</td>
<td>Sep 12</td>
<td>USN PB4Y-2 Privateer Engine Fire, Crash</td>
<td>~Master Field, Miami, FL</td>
<td>14</td>
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<tr>
<td>1945</td>
<td>Sep 15</td>
<td>USAAF C-47B takeoff crash</td>
<td>(from Fairfax Field, Kansas City, KS), MO</td>
<td>23</td>
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<td>1945</td>
<td>Oct 18</td>
<td>USAAF TB-24J Fire/Crash</td>
<td>near Hondo AAF, TX</td>
<td>13</td>
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<tr>
<td>1945</td>
<td>Oct 30</td>
<td>USAAF C-47 transport Crash</td>
<td>into mountain near Cuneo, Italy</td>
<td>15</td>
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<tr>
<td>1945</td>
<td>Oct 31</td>
<td>US Navy Transport Plane Crash</td>
<td>heavy fog, Rich Mt., ~Mena, AR</td>
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<tr>
<td>1945</td>
<td>Nov 01</td>
<td>USAAF C-47 Plane Crash</td>
<td>~Bad Herrenalb and Karlsruhe, Germany</td>
<td>26</td>
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<tr>
<td>1945</td>
<td>Nov 03</td>
<td>Consolidated Air, Army Transport Com.</td>
<td>sea crash, 450 mi NE of HI</td>
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<tr>
<td>1945</td>
<td>Nov 03</td>
<td>USAAF C-54 Crash</td>
<td>Himalayan Mountains, near Chukha, Bhutan</td>
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<tr>
<td>1945</td>
<td>Nov 08</td>
<td>US Navy Mid-Air Collision</td>
<td>Corpus Christi Bay, TX</td>
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<td>1945</td>
<td>Nov 30</td>
<td>USN PV4Y-2 Plane Missing</td>
<td>NAS Kodiak, AK to NAS Seattle, WA</td>
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<tr>
<td>1945</td>
<td>Dec 06</td>
<td>5 Navy Bombers, Rescue Craft Missing</td>
<td>Carib. Bermuda Triangle</td>
<td>27</td>
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<tr>
<td>1945</td>
<td>Dec 08</td>
<td>Crash, Northwest Air, Military Charter</td>
<td>Billings, MT</td>
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<td>1946</td>
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<td>Plane Fire and Crash, Eastern Air Lines Flight</td>
<td>105, Cheshire, CT</td>
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<td>1946</td>
<td>Jan 31</td>
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<td>14 Crashes, Elk Mountain, WY</td>
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<td>1946</td>
<td>Mar 03</td>
<td>American Air 6-103 Crash, Zero Visibility</td>
<td>Thing Mountain, CA</td>
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<td>1946</td>
<td>Mar 07</td>
<td>USAF B-29 Superfortress Plane Crash,</td>
<td>Kirtland AAR, NM</td>
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<tr>
<td>1946</td>
<td>Mar 19</td>
<td>Structural failure/crash, USAAF C-47</td>
<td>near Hobart Mills, CA</td>
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<tr>
<td>1946</td>
<td>Apr 4</td>
<td>USN R4D-6 Transport Plane Crash</td>
<td>sandhills 15M ~Albuquerque, NM</td>
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<tr>
<td>1946</td>
<td>May 10</td>
<td>Mid-Air Collision, 2 USN Bombers</td>
<td>Near Munson, FL</td>
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<tr>
<td>1946</td>
<td>May 16</td>
<td>Viking Air Transport Crashes</td>
<td>Byrd Field, Richmond VA</td>
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95 Cross listed in Fog as contributing condition.
375. 1946 -- June 01, USAAF C-54 Cockpit Fire and Crash off Amalfi, Italy -- 30
376. 1946 -- June 12, USAAF B29 Crash/Fire, Collins Gap, near Clingman’s Dome, TN -- 12
377. 1946 -- June 09, U.S. Army Air Force DC-4 Crash, Tobago Island, Panama -- 23
378. 1946 -- July 09, USAAF B-17 crash, Mount Tom, near Westover AFB, Chicopee, MA-- 25
379. 1946 -- July 18, U.S. Army Air Corps Transport C-47, Crash, near Goodland, KS -- 13
380. 1946 -- July 20, Two USAAF B-17G Search Planes Collide off Coiba, Panama -- 20
381. 1946 -- Aug 01, Plane Crash, USN PB4Y-2 Privateer, ~Camp Kearny MAAS, CA -- 11-12
382. 1946 -- Aug 09, USAF A-26 Bombers Collide, No. Montana State Fair, Great Falls -- 7
383. 1946 -- Sep 05, Plane crash/fire, Trans-Luxury Airlines charter, fog, near Elko, NV96-- 21
384. 1946 -- Oct 01, Plane Crash in storm, fire, USAAF B-29, Buffalo Valley, NV -- 11
385. 1946 -- Oct 03, Amer. Overseas Air Crash, Harmon Field AFB, Newfoundland -- 39
386. 1946 -- Oct 17, Eastern Air Transport Service Crash, Laramie, WY -- 13
387. 1946 -- Nov 13, Western Air Flight 23 Crashes, White Mt., Lebec, CA -- 11
389. 1946 -- Dec 10, USAAF C-46 Takeoff Crash, near Itami U.S. Air Base Osaka, Japan-- 22
391. 1947 -- Jan 12, Eastern Air Lines Flight 665 Crashes, Galax, VA -- 18
392. 1947 -- Jan 27, Plane Crash, USAAF B-29 Superfortress, Kirtland Field, NM -- 12
393. 1947 -- Feb 22, U.S. Coast Guard PBM-5 Crashes in Mex. on way back to San Diego-- 10
394. 1947 -- Apr 19, USAF B-29 Fire/Explos./Crash, off Kwajalein Isl., Marshall Islands-- 16
395. 1947 -- May 29, United Air Lines 521 Crashes/Burns, Take-off, La Guardia, NY -- 43
396. 1947 -- May 30, Eastern Air Lines Flight 605 Crash, Near Bainbridge, MD -- 53
397. 1947 -- June 13, PA-Central Air Flight 410 Crashes Near Lookout Rock, WV -- 50
398. 1947 -- June 14 USAAF B-29 Plane Crash, Hawks Mountain, VT -- 12
399. 1947 -- July 13, Burke Air Transport Crash, Melbourne, FL -- 14
400. 1947 -- Aug 06, US Navy PBY-5A disappears, Kodiak to Dutch Harbor, AK -- 20
401. 1947 -- Aug 16, USAF B17 Plane Crash 50 miles off Barbers Point, Kalaeloa, HI -- 10
402. 1947 -- Oct 24, United Flight 608 Crashes Near Bryce Canyon Airport, UT -- 52
403. 1947 -- Oct 26, Pan American Air Crash, Tamgas Mt., Annette Island, AK -- 18
404. 1947 -- Nov 27, Columbia Air Cargo Douglas C-47 Crash, Yakutat, AK -- 13
405. 1947 -- Nov 28, USAF C-47 Transport Plane Crash, Mt. Carbone, Alps, ~Cuneo, Italy-- 20
408. 1947 -- Dec 16, USAF B-29 Crash after Davis-Monthan takeoff, near Tucson, AZ -- 12

96 Cross-listed in Fog, as a contributing condition.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Recovery</th>
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<tbody>
<tr>
<td>1948</td>
<td>May 09</td>
<td>USN PBY-6A Catalina Plane Lost, San Juan, PR to Key West, FL</td>
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<td>12</td>
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<tr>
<td>1948</td>
<td>June 17</td>
<td>United Air Lines Flight 624 Crash, Mount Carmel, ~Shamokin, PA</td>
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<tr>
<td>1948</td>
<td>Aug 5</td>
<td>USN Douglas R4D-6 and civilian Stearman Collide ~NAS Miami, FL</td>
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<tr>
<td>1948</td>
<td>Aug 12</td>
<td>Plane Crash, USAF B-29, ~ Walker Air Force Base, NM</td>
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<tr>
<td>1948</td>
<td>Aug 20</td>
<td>Plane Crash, USAF B-29, Rapid City Air Force Base, SD</td>
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<tr>
<td>1948</td>
<td>Aug 24</td>
<td>U.S. B29 Superfortress Plane takeoff Crash near Hickam AFB, HI</td>
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<tr>
<td>1948</td>
<td>Aug 29</td>
<td>Northwest Orient Air Flight 421 Crashes NW of Winona, WI</td>
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<tr>
<td>1948</td>
<td>Nov 01</td>
<td>USAF C-47 Plane Breakup and Crash, Thunderstorm, ~Muldrow, OK</td>
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<tr>
<td>1948</td>
<td>Nov 03</td>
<td>USAF B-29 Bomber Crash after takeoff near Lajes Field, Azores</td>
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<td>18-19</td>
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<tr>
<td>1948</td>
<td>Nov 03</td>
<td>USAF B-29 Bomber Crash, Shelf Moor, near Manchester, England</td>
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<tr>
<td>1949</td>
<td>Jan 02</td>
<td>Seattle Air Charter Crash, Seattle-Boeing Field, WA</td>
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<tr>
<td>1949</td>
<td>Jan 17</td>
<td>USAF B-29 Crash, Argyllshire Mts. in fog, near Glasgow, Scotland</td>
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<tr>
<td>1949</td>
<td>June 7</td>
<td>Strato-Freight from San Juan PR to Miami Crashes after takeoff</td>
<td>--</td>
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<tr>
<td>1949</td>
<td>July 12</td>
<td>Standard Air 897 Hits Mt. in Fog, Approach to Burbank CA</td>
<td>--</td>
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<tr>
<td>1949</td>
<td>July 30</td>
<td>Eastern Air Hit by Navy Hellcat Aircraft, Chesterfield, NJ</td>
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<tr>
<td>1949</td>
<td>Aug 31</td>
<td>US Navy Martin Mariner PBM-5 Crash, off San Diego, CA</td>
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<tr>
<td>1949</td>
<td>Aug 31</td>
<td>US Navy Martin Mariner PBM-5 Crash, off San Diego, CA</td>
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<tr>
<td>1949</td>
<td>Sep 05</td>
<td>P-51 Mustang Plane Crash, Cleveland Air Races, OH</td>
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<tr>
<td>1949</td>
<td>Oct 13</td>
<td>USAF B50 Crash near Isleham England</td>
<td>--</td>
<td>(US)11</td>
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<tr>
<td>1949</td>
<td>Nov 01</td>
<td>Eastern Flight 537/Bolivian P-38 Jet Collide, Wash. Nat. AP, DC</td>
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<td>1949</td>
<td>Nov 03</td>
<td>USAF RB-29 Weather Plane Crash, off Kindley US AFB, Bermuda</td>
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<tr>
<td>1949</td>
<td>Nov 16</td>
<td>Two USAF B29s Collide over Stockton, CA</td>
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<tr>
<td>1949</td>
<td>Nov 29</td>
<td>American Air 157, Landing Crash, Dallas-Love Field, TX</td>
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<tr>
<td>1949</td>
<td>Dec 22</td>
<td>Plane Crash, USAF B50 Bomber, near Savannah, GA</td>
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<tr>
<td>1950</td>
<td>Jan 26</td>
<td>USAF SAC C-54 Transport Disappears, Yukon Territory, Canada</td>
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<tr>
<td>1950</td>
<td>Mar 07</td>
<td>Northwest Orient Flight 307 Crash, Minneapolis, MN</td>
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<tr>
<td>1950</td>
<td>Mar 23</td>
<td>In-Flight Explosion, USAF B-50, near Hyder, AZ</td>
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<tr>
<td>1950</td>
<td>Apr 08</td>
<td>USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area</td>
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<tr>
<td>1950</td>
<td>Apr 11</td>
<td>USAF B-29 Crash, Manzano Nuc. Wpn. Storage ~Kirtland AFB NM</td>
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<tr>
<td>1950</td>
<td>Apr 21</td>
<td>USAF C-54 Skymaster Crash into Mt. in rainstorm near Atsugi, Japan</td>
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<tr>
<td>1950</td>
<td>May 18</td>
<td>USAF B-29 Crash, Lajes Field, Azores</td>
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<tr>
<td>1950</td>
<td>June 05</td>
<td>Plane Crash, Westair Transport, ~190 miles off Miami, FL</td>
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<tr>
<td>1950</td>
<td>June 23</td>
<td>NW Orient 2501 Disappears, Lake MI, near Benton Harbor, MI</td>
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<tr>
<td>1950</td>
<td>July 13</td>
<td>In-Flight Fire/Crash USAF B-50, near Mason, OH</td>
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<tr>
<td>1950</td>
<td>July 23</td>
<td>Florida Air National Guard Curtis C-46 Crash, Myrtle Beach, SC</td>
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<td>1950</td>
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<td>USAF Boeing B-29 Crash, Travis Air Force Base, CA</td>
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<tr>
<td>1950</td>
<td>Sep 04</td>
<td>Robinson Air Flight 32 Crash, Utica-Oneida County, NY</td>
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97 Cross-listed in Fog as contributing condition.
98 Cross-listed in Violence—Attack.
453. 1950 -- Nov 07, Northwest Orient Flight 115 Crash, East of Butte, MT -- 21
454. 1950 -- Nov 16, USAF KB29 Tanker and B-50 Collide/Crash ~Sil Nakya village, AZ-- 13
455. 1950 -- Nov 23, New Tribe Mission DC-3 Crash, Mt. Moran, WY -- 24
456. 1950 -- Dec 23, USN P2V Neptune Crash, McCreight Mt., Vancouver Isl., BC, Can.-- 11

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

457. 1951 -- Jan 16, Northwest Orient Flight 115 Crash, Near Reardan, WA -- 10
458. 1951 -- Mar 02, Mid-Continent Airlines Approach Crash, Sioux City, IA -- 16
459. 1951 -- Mar 22, USAF C-124A Globemaster from Loring AFB Explodes, N Atlantic-- 53
460. 1951 -- Apr 06, Southwest Airways Flight 7 Crashes, Refugio Pass, CA -- 22
461. 1951 -- Apr 08, WV National Guard Plane Crash, Charleston, WV -- 21
462. 1951 -- Apr 25, Cubana Flight 493/US Navy Plane Collide, off Key West, FL -- 43
463. 1951 -- Apr 27, Planes Collide, USAF B-36 & F-51, NE of Perkins, OK -- 14
464. 1951 -- Apr 28, United Flight 129 Crash, near Fort Wayne, IN -- 11
465. 1951 -- May 06, USAF Strategic Bomber Crash, Near Albuquerque, NM -- 23
466. 1951 -- June 03, USAF Plane Crash, New Boston, TX -- 10
467. 1951 -- June 30, United Flight 610 Crashes into Crystal Mt, near Ft. Collins, CO -- 50
470. 1951 -- Aug 13, Plane Crash, USAF B-50, Lester Apartments, Beacon Hill, WA -- 11
472. 1951 -- Aug 24, United Flight 615 Crash/Fog, SW of Oakland Int., Airport, CA99 -- 50
473. 1951 -- Aug 31, USAF Consol. Privateer Crash, Little Tanaga Island, AK -- 10
474. 1951 -- Oct 15, USAF C-97 Lost, North Atlantic, Azores to Westover AFB, MA --11-12
475. 1951 -- Nov 06, P2V-3W Shot Down by Soviet Aircraft, Sea of Japan -- 10
476. 1951 -- Nov 13, U.S. C-82 “Flying Boxcar” Crashes into Puy de Sancy Mt., France -- 36
477. 1951 -- Nov 27, US Navy Martin Mariner Crash, San Diego, CA -- 11
478. 1951 -- Dec 16, Miami Airlines C-46 Crash, Elizabeth, NJ, near Newark Int. AP -- 56
479. 1951 -- Dec 29, Continental Charters 44-2 Crash, near Salamanca, NY -- 26
480. 1951 -- Dec 30, USAF Douglas C-47 Transport Crash, Mt. 35 mi N of Globe, AZ -- 28

482. 1952 -- Jan 22, American Airlines Approach Crash, SE of Newark IAP, NJ -- 30
483. 1952 -- Feb 07, USAF takeoff Crash, 5 miles N of Yokota US AB, Japan --13 (US) of 15
484. 1952 -- Feb 11, National Air Flight 101 Takeoff Crash, Newark AP, NJ -- 33
485. 1952 -- March 12, Two USAF B-29’s Collide, near Sequin and San Antonio, TX -- 15
486. 1952 -- March 21, USAF Consolidated Privateer Crash, off Corpus Christi NAS, TX-- 10
487. 1952 -- Apr 1-10, Military Plane Crashes, Parachuting, “Exercise Longhorn,” TX -- 10
488. 1952 -- Apr 04, USAF Globemaster & C-47 Planes Collide, Mobile, AL -- 15
489. 1952 -- Apr 05, USAF B-29 weather plane crash, McClellan AFB, Sacramento, CA-- 10
490. 1952 -- Apr 08, USAF B-25 Crash, Golden Peak, near Golden, CO -- 11
491. 1952 -- Apr 09, USAF F-94 & C-47 Planes Collide, Camp Edwards, MA -- 12
492. 1952 -- Apr 11, Pan Am Air Flight 526 Plane Crash, off San Juan, Puerto Rico -- 52
        1952 -- Apr 14, USN P2V Ventura Patrol Bomber Crash, Brunswick NAS, ME -- 5

99 Cross-listed under Fog as contributing condition.
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<th>Location</th>
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<tr>
<td>1952</td>
<td>Apr 15</td>
<td>USAF B-36D Plane Crash/Fire, near Fairchild AFB, WA</td>
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<tr>
<td>1952</td>
<td>Apr 18</td>
<td>Robin Airlines Approach Crash, Whittier, CA</td>
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<tr>
<td>1952</td>
<td>Jun 13</td>
<td>Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan</td>
<td>Japan</td>
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<tr>
<td>1952</td>
<td>Jun 24</td>
<td>NM-based USAF B-50 Superfortress Crash near Lakenheath, UK</td>
<td>UK</td>
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<tr>
<td>1952</td>
<td>Oct 08</td>
<td>USAF B-29 and F-94 Jet Midair Collision near Portland, OR</td>
<td>OR</td>
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<tr>
<td>1952</td>
<td>Oct 26</td>
<td>USAF WB-29 lost, Typhoon, Anderson AFB, Guam to Philippines</td>
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<tr>
<td>1952</td>
<td>Apr 18</td>
<td>Robin Airlines Approach Crash, Whittier, CA</td>
<td>CA</td>
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<tr>
<td>1952</td>
<td>Nov 07</td>
<td>USAF “Flying Boxcar” Crashes, Mt. McKinley, AK</td>
<td>AK</td>
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<tr>
<td>1952</td>
<td>Nov 15</td>
<td>USAF “Flying Boxcar” Crashes, near Anchorage, AK</td>
<td>AK</td>
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<td>1952</td>
<td>Nov 22</td>
<td>USAF MATS C-124 A Globemaster II crash, Mount Gannett, AK</td>
<td>AK</td>
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<td>1952</td>
<td>Nov 28</td>
<td>USAF Douglas C-54 Crash, Near Tacoma, WA</td>
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<tr>
<td>1952</td>
<td>Dec 01</td>
<td>Plane Crash, USAF C-47B, Mount San Gorgonio, CA</td>
<td>CA</td>
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<td>1953</td>
<td>Jan 07</td>
<td>Associated Air Transport Crash, W. of Fish Haven, ID</td>
<td>ID</td>
<td>40</td>
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<td>1953</td>
<td>Jan 13</td>
<td>USAF B-50 Bomber Plane Crash, near Gridley CA</td>
<td>CA</td>
<td>12</td>
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<tr>
<td>1953</td>
<td>Jan 16</td>
<td>USAF C-54 Crash, approach, Harmon AFB, Stephenville, NFLD, Can.</td>
<td>NFLD, Canada</td>
<td>13</td>
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<tr>
<td>1953</td>
<td>Jan 28</td>
<td>USN PB-4Y Privateer Plane Crash, Black Peak, WA</td>
<td>WA</td>
<td>10</td>
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<td>1953</td>
<td>Feb 02</td>
<td>USAF Plane takeoff Crash, Wheelus Air Base, Tripoli, Libya</td>
<td>Libya</td>
<td>15</td>
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<td>1953</td>
<td>Feb 14</td>
<td>National Air 470 Plane Crash/Storm, Gulf of Mex., ~ Mobile, AL</td>
<td>AL</td>
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<td>1953</td>
<td>Mar 18</td>
<td>10-eng. USAF Convair RB-36H crashes, Random Isl., NFL, Can.</td>
<td>NFL, Canada</td>
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<td>1953</td>
<td>Mar 18</td>
<td>Plane Crash, USAF Superfortress, St. George’s Bay, NFL, Can.</td>
<td>NFL, Canada</td>
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<td>1953</td>
<td>Mar 20</td>
<td>Tranceoan Air 942 (Military Charter) Crash, NE of Alvarado, CA</td>
<td>CA</td>
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<td>1953</td>
<td>May 17</td>
<td>Delta Air Flight 318 Crash (Thunderstorm), Marshall, TX</td>
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<td>1953</td>
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<td>USAF Globemaster II Crash, Tachikawa AFB, Tokyo, Japan</td>
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<td>1953</td>
<td>July 02</td>
<td>USAF Martin Mariner Crash, Adak, AK</td>
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<td>1953</td>
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<td>Transocean Air Flight 512 Crash, Pacific Ocean, Wake Is. to HI</td>
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<td>USMC R4Q “Packet” Plane Takeoff Crash/Fire, near Milton, FL</td>
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<td>1953</td>
<td>July 29</td>
<td>Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan</td>
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<td>1953</td>
<td>Sep 01</td>
<td>Regina Cargo Airlines Crash near Vail, WA</td>
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<td>1953</td>
<td>Sep 16</td>
<td>American Air Flight 723 Approach Crash, Albany, NY</td>
<td>NY</td>
<td>28</td>
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<td>1953</td>
<td>Sep 28</td>
<td>Resort Air Flight 1081 Approach Crash, Louisville, KY</td>
<td>KY</td>
<td>25</td>
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<td>1953</td>
<td>Oct 29</td>
<td>BCPA Douglas DC-6 Crash, San Francisco, CA</td>
<td>CA</td>
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<td>1953</td>
<td>Nov 17</td>
<td>USAF C-119F Hits Paratroopers, Crashes, Fort Bragg NC</td>
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<td>1953</td>
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<td>USAF B-29 Crashes, Officer’s Housing, Anderson AFB, Guam</td>
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<td>1954</td>
<td>Jan 04</td>
<td>US Navy P2V Neptune Bomber Lost, Yellow Sea, off Coast of Korea</td>
<td>Korea</td>
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<td>1954</td>
<td>Feb 01</td>
<td>USAF C-46 Fire and Crash, Tsugaru Strait, off Hokkaido, Japan</td>
<td>Japan</td>
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<td>1954</td>
<td>Feb 05</td>
<td>USAF C-47 Crashes, Susitna Valley, AK</td>
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<td>1954</td>
<td>Mar 19</td>
<td>Plane Fire &amp; Crash, USAF C-119, #51-7993, near Lothian, MD</td>
<td>MD</td>
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<td>1954</td>
<td>May 05</td>
<td>USN PBM-5 Seaplane Crash, Sidewalk Mt., near Carricitos, Mexico</td>
<td>Mexico</td>
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<td>1954</td>
<td>Aug 22</td>
<td>Braniff Airways Thunderstorm Crash, S. Mason City, IA</td>
<td>IA</td>
<td>12</td>
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100 Cross-listed in Violence (Attack).
101 Cross-listed in Violence (Attack).
AVIATION -- Master Set -- CHRONOLOGICAL (continued)

533. 1954 -- Aug 23, NY-Amsterdam KLM crash, North Sea after Shannon AP stop--12 US of 21
534. 1954 -- Aug 27, USAF B-36 Crash, Rapid City, SD -- 26
535. 1954 -- Sep 5, KLM Royal Dutch Airlines takeoff crash, Shannon Airport, Ireland --12US of 28
536. 1954 -- Sep 28, USN PB-5 Marlin Takeoff Crash, Sangleys Point NAS, Philippines -- 11
537. 1954 -- Oct 6, USAF B-50 Crash near Willows, Glenn County, CA -- 13
538. 1954 -- Oct 30/31, US Navy Transport Lost at Sea, Off Ocean City, MD -- 42
539. 1954 -- Dec 18, Linee Aeree Italiane 451 Crash, NY Idlewild IAP, NY -- 26
540. 1954 -- Dec 22, Johnson Flying Service Crash, Monongahela River, ~Pittsburgh, PA -- 10
1954 -- Dec 29, Plane rear-door fails/crash, USAF C119, Shin Point ~New Hope, AL -- 9

541. 1955 -- Jan 01, USAF Douglas C47 Crash, near Skwentna Airport, Anchorage, AK -- 12
542. 1955 -- Jan 12, Planes Collide, TWA 694/Castleton, Inc., Covington, KY -- 15
543. 1955 -- Feb 17, USAF Lockheed P-2 Neptune Crash, Elmendorf AFB, AK -- 11
544. 1955 -- Feb 19, TWA 260 Crash, Sandia Mt., near Albuquerque, NM -- 16
545. 1955 -- Mar 20, American Air 711 Approach Crash, Springfield, MO -- 13
547. 1955 -- May 25, Plane Crash, USAF SAC B-36J, Sterling City, TX -- 15
548. 1955 -- June 29, USAF C-47 Transport Plane Crash, Sitkinak Island, AK -- 10
549. 1955 -- July 17, Braniff Air # 560 Approach Crash, Chicago-Midway, IL -- 22
551. 1955 -- Aug 11, Two USAF C-119 Flying Boxcars Collide over Edelweiser, Germany--66
552. 1955 -- Sep 26, US Navy P-2 Neptune 131442 Lost -- 11
553. 1955 -- Oct 06, United Flight 409 Crash, Medicine Bow Peak, near Centennial WY -- 66
554. 1955 -- Nov 01, United Flight No. 629 Blown Up over Denver, CO -- 44
555. 1955 -- Nov 17, Peninsular Air Transport (Mil. Charter) Crash, Seattle-Boeing Field, WA -- 28
556. 1955 -- Nov 17, USAF Plane Crash, Mount Charleston, NV -- 14
557. 1955 -- Nov 29, USAF F-84 Crash into Base Housing, Eielson AFB, AK -- 14
558. 1955 -- Dec 21, Eastern Air Flight 642 Approach Crash, Jacksonville, FL -- 17

559. 1956 -- Feb 17, U.S. Navy Transport DC-4 Crash near Niles, CA -- 40
560. 1956 -- Mar 02, USAF C124C Globemaster II Crash, Atlantic, Iceland to US -- 17
561. 1956 -- Apr 01, Trans World Airlines Crash, Greater Pittsburgh, PA -- 22
562. 1956 -- Jun 20, Linea Aeropostal Venezolana Crash, Ashbury Park, NJ -- 74
563. 1956 -- Jun 30, TWA 2 & United 718 Collision, Grand Canyon AZ -- 128
564. 1956 -- July 13, USAF Takeoff/Windshear Crash, near Brown’s Mills, NJ -- 46
565. 1956 -- Aug 22, Navy P4M-1Q Shot Down near Wenchow, China -- 16
566. 1956 -- Aug 29, Canadian Pacific Airlines fl. 307 approach crash, Cold Bay AP, AK -- 15
568. 1956 -- Sep 10, Yokota AB USAF RB50G Lost tracking Typhoon Emma Sea of Japan--16
569. 1956 -- Sep 24, USAF C-47 Crash, Mount Yale, near Buena Vista, CO -- 12
570. 1956 -- Oct 10, USN MATS Transport Plane lost from UK to Lincoln AFB, NE -- 59
571. 1956 -- Nov 9, USN P5M Marlin Patrol Plane Lost no. of Bermuda, possibly off MD-- 10
572. 1956 -- Nov 30, USAF Boeing B-52 Crash, Merced, CA -- 10

102 Cross-listed under Violence-Mass Murder

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

1957 -- Jan 17, USAF Weather B-50 Takeoff Plane Crash, near Eielson AFB, AK -- 12
1957 -- Feb 01, Northeast Flight 823 Takeoff Crash, Rikers Island, NY -- 20-21
1957 -- Apr 02, US Navy Neptune Plane Explos., ~Atlantic, Chincoteague AFB, VA-- 11
1957 -- Apr 12, U.S. Navy Neptune VP26 Bomber Crashes, Brunswick, ME -- 6
1957 -- Jul 19, Willow Grove NAS, PA, Neptune Crash, San Martino Mt., no. Italy103 -- 11
1957 -- Jul 23, USN P-2 Neptune Explosion, off Barbers Point Naval Air Sta., HI -- 10
1957 -- Sep 15, Northeast Air 285, Approach Crash, New Bedford, MA -- 12
1957 -- Oct 29, USAF Stratofreighter Crash, Grey Mt. ~ Flagstaff, AZ -- 16
1957 -- Nov 09, Pan Am Flight 7 Lost in Pacific from SF to Honolulu, HI -- 44
1957 -- Dec 09, Navy P5M Marlin Seaplane Explosion/Crash, Corpus Christi, TX -- 9-10
1957 -- Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI -- 19
1958 -- Jan 15 Anderson AFB, Guam USAF Weather WB50 Lost, Typhoon Ophelia-- 10
1958 -- Feb 01, USAF C-118A/US Navy P2V-5F Collision, Norwalk, CA -- 48
1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy -- 16
1958 -- Mar 07, USMC Transport & Skyraider Collide off Naha NAF, Okinawa -- 26
1958 -- Mar 27, Mid-Air Collision, two USAF Planes, Bridgeport, TX -- 18
1958 -- Apr 06, Capital Airlines Flight 67 Crash, near Freeland, MI -- 47
1958 -- Apr 21, United 736 & USAF F-100 Fighter Collision, near Las Vegas, NV -- 49
1958 -- May 20, Planes Collide, Capital Air & MD Air NG, Brunswick, MD -- 12
1958 -- Jun 27, USAF SAC Tanker Crash, Near Chicopee Falls, MA -- 15
1958 -- Aug 15, Approach Crash/Fog, Northeast Air 258, Nantucket, MA104 --24-25
1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR105--17
1958 -- Sep 08, Mid-Air Collision, USAF B52’s, near Airway Heights, WA -- 13
1958 -- Sep 09, USAF Douglas C47 Plane Crash, Elmendorf AFB, Anchorage, AK -- 13
1958 -- Sep 29, USN Neptune PV-2 Patrol Plane Crash, 22M no. of Key West, FL -- 10
1958 -- Oct 09, USAF C-123B Transport Crash ~Little Willow Creek & Payette, ID-- 19
1958 -- Oct 18, USN Constellation Plane Crash, ~Argentia, Newfoundland, Canada -- 11
1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK-- 15

1959 -- Jan 08, Southeast Airlines Flight 308 Approach Crash, Bristol, TN -- 10
1959 -- Feb 03, American Flight 320 Crashes into East River, NYC, NY -- 65
1959 -- Feb 04, USAF Weather B-50 Crash, out of and off Kindley US AFB, Bermuda--12
1959 -- May 11, Plane Crash, USN P2V, Whidbey Island Naval Air Station, WA -- 9
1959 -- May 12, Plane Crash/Storm, Capital Air Flight 75, near Chase, MD -- 31
1959 -- May 20, USAF C-130 Hercules Plane Crash into Barracks, Ashiya AB, Japan-- 10
1959 -- June 26, TWA 891 fuel explosion, thunderstorm static electricity, Italy --70; US 37

103 Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.
104 Cross-listed under Fog as contributing condition.
105 Cross-listed under Attack.
609. 1959 -- June 30, U.S. Air Force F-100 Jet Crashes into School, Ishikawa, Okinawa\(^{106}\) -- 18
610. 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
611. 1959 -- Sep 24, Reeve Aleutian Airways fl. #3 approach crash, Great Sitkin Island, AK--16
612. 1959 -- Sep 29, Braniff Air Flight 542 Breaks Up near Buffalo, TX -- 34
613. 1959 -- Oct 30, Piedmont 349 Crash, Bucks Elbow Mt., VA -- 26
614. 1959 -- Nov 7, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
615. 1959 -- Nov 16, National Airlines Flight 967, Brought Down, Gulf of Mexico\(^{107}\) -- 42
616. 1959 -- Nov 24, Trans World Air Flight 595 Takeoff Crash, Chicago, IL -- 11
617. 1959 -- Dec 1, Allegheny Air Approach Crash, ~Williamsport-Montoursville AP, PA-- 25

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

618. 1960 -- Jan 06, National Airlines Flight 2511 Blown-up, Bolivia, NC\(^{108}\) -- 34
619. 1960 -- Jan 16, USN P4M-1Q Mercator Crash, Karanfil Mountain, ~Adana, Turkey -- 16
620. 1960 -- Jan 18, Capital Airlines Flight 20 Crashes near Charles City, VA -- 50
621. 1960 -- Feb 25, USN R6D / DC-3 Collide in Fog off Rio de Janeiro, Brazil --61 (USN 35)
622. 1960 -- March 17, Northwest Flight 710 Breaks-up, Crashes near Tell City, IN -- 63
623. 1960 -- June 14, Plane Crash, Pacific Northern Airlines 201, Mt. Gilbert (9000 ft), AK--14
624. 1960 -- July 06, US Navy Dirigible Airship (Blimp) Crash off Barnegat City, NJ -- 18
626. 1960 -- July 27, Chicago Helicopter Airways Crash Forest Park, IL -- 13
627. 1960 -- Sep 08, Yokota AB USAF Weather B-50 Crash into Mt., near Ishikawa, Japan--11
628. 1960 -- Sep 19, World Air MAT Plane Crash, Agana Naval Air Station, Guam -- 80
629. 1960 -- Sep 22, USMC Douglas R5D-3 Plane Crash 180 miles off Naha, Okinawa -- 29
630. 1960 -- Oct 04, Eastern Airlines Electra Hits Birds, Crashes, Logan, Boston, MA -- 62
631. 1960 -- Oct 28, Northwest Airlines Crash, Missoula, MT -- 12
632. 1960 -- Oct 29, Arctic-Pacific Takeoff Crash, Toledo Express Airport, OH -- 22
633. 1960 -- Dec 16, United/TWA Crash, Staten Island/Brooklyn, NY -- 134
634. 1960 -- Dec 17, USAF C-131 Samaritan Takeoff Crash, Munich, Germany-51-53( 20 U.S.)

635. 1961 -- Jan 26, USN C-118 Liftmaster Explos./Crash off Argentia, Newfoundland -- 23
636. 1961 -- May 24, USAF 51-0174 G-lemaster Crash, McChord AFB, WA -- 22
637. 1961 -- July 11, United Flight 859 Crash/Fire, Stapleton, Denver, CO -- 18
638. 1961 -- Sep 01, TWA Flight 529 Crashes 9 Miles West of Chicago-Midway, IL -- 78
639. 1961 -- Sep 17, Northwest Flight 706, Takeoff Crash, O’Hare, Chicago, IL -- 37
640. 1961 -- Nov 08, Imperial Airlines Flight 201/8, Crashes, Richmond, VA -- 77
641. 1962 -- March 1, American Air Flight 1 Crashes, Jamaica Bay, Queens, NY -- 95
642. 1962 -- March 8, USAF C-130A Hercules Plane Crash near Alencon, western France-- 15
643. 1962 -- March 16, Flying Tiger Charter Flight 739 Disappears, Western Pacific -- 96
1962 -- May 09 USAF KC-135A Stratotanker Engine Failure, Crash, Loring, AFB, ME-- 6
644. 1962 -- May 22, Continental No. 11 Blown-Up over Unionville, MO\(^{109}\) -- 45

\(^{106}\) All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.
\(^{107}\) Cross-listed in Violence-Mass Murder.
\(^{108}\) Cross-listed under Violence-Mass Murder.
<table>
<thead>
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<th>Year</th>
<th>Month</th>
<th>Event Description</th>
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<td>May 22</td>
<td>USN WV2 Transport Breaks-up/Crashes, Markt Schwaben, Germany</td>
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<td>1962</td>
<td>May 27</td>
<td>Dover AFB USAF C133 Cargomaster Crash, Atlantic off Dover, DE</td>
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<td>1962</td>
<td>July 22</td>
<td>Plane Crash, Canadian Pacific Airlines, Honolulu, HI</td>
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<td>1962</td>
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<td>Ashland Oil Co., Plane Crash, near Lake Milton, OH</td>
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<td>1962</td>
<td>Sep 10</td>
<td>USAF SAC Tanker Approach Crash, Mt. Kit Carson ~Spokane, WA</td>
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<td>1962</td>
<td>Sep 22</td>
<td>US Navy Martin Marlin P5M Crash, Montague Island, Gulf of AK</td>
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<td>1962</td>
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<td>Flying Tiger Military Air Transport Ditches, N. Atlantic</td>
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<td>Plane Crash, Canadian Pacific Airlines, Honolulu, HI</td>
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<td>USAF SAC Tanker Approach Crash, Atlantic SE Dover AFB, DE</td>
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<td>1962</td>
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<td>Plane/Bird Collision United 297, Near Ellicott City, MD</td>
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<td>1962</td>
<td>Nov 30</td>
<td>Approach Crash/Fog, Eastern Air 512, Jamaica, NY</td>
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<td>1963</td>
<td>Jan 29</td>
<td>Continental Airlines 290 crash, Kansas City Municipal Airport, MO</td>
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<td>Jan 30</td>
<td>US Navy P-3A Crash, Atlantic, off Atlantic City, NJ</td>
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<td>Northwest Air Flight 705 Crash, Everglades, near Miami, FL</td>
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<td>Northwest Air 293 Crash, North Pacific, off Annette Island., AK</td>
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<td>1963</td>
<td>Aug 28</td>
<td>Apparent Mid-Air Collision, two USAF Tankers, off East Coast</td>
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<td>1963</td>
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<td>USAF C-133A Cargomaster Crash, Atlantic SE Dover AFB, DE</td>
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<td>Pan Am Flight 214 Crash (Lightning), Elkton, MD</td>
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<td>USAF B-52 Stratofortress Crash after takeoff, Columbus AFB, MS</td>
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<td>South Central Air Takeoff Crash, Gainesville Airport, FL</td>
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<td>Feb 25</td>
<td>Eastern Air Flight 304 Crashes in Lake Pontchartrain, LA</td>
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<td>Paradise Air Flight 901A, Crash/Snowstorm, Genoa Peak, NV</td>
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<td>May 07</td>
<td>Mass Murder, Pilot Shot/Plane Crash, Pac. Air 773, ~San Ramon, CA</td>
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<td>May 11</td>
<td>USAF C-135 hits fence/crashes, landing, Clark US AB, Philippines</td>
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<td>1964</td>
<td>Jun 15</td>
<td>US Navy P2V Plane Crash, Atlantic, 25 mls SW of US AB Rota, Spain</td>
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<td>1964</td>
<td>Jun 29</td>
<td>USAF Stratofreighter &amp; C-54 Collide near Kindley US AFB, Bermuda</td>
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<td>1964</td>
<td>Jul 09</td>
<td>United Air Flight 823 Fire/Crash near Parrotsville, TN</td>
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<td>1964</td>
<td>Oct 27</td>
<td>Navy Plane Crash into Commissary, El Centro NAS, CA</td>
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<td>1964</td>
<td>Nov 15</td>
<td>Bonanza Air Flight 114 Crashes Near Las Vegas, NV</td>
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<td>Nov 17</td>
<td>USN P-3A Orion Landing Crash, Fog, USN Base, Argentina NFL</td>
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<td>1964</td>
<td>Nov 27</td>
<td>USN Lockheed P-2V Neptune Crash, Cape Newenham, AK</td>
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<td>Jan 16</td>
<td>USAF SAC Tanker Crash, Neighborhood, Wichita, KS</td>
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<td>1965</td>
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<td>Eastern Air # 663, Crashes, Jones Beach State Park, NY</td>
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<td>1965</td>
<td>June 15</td>
<td>US Army Helicopters Mid-Air Collision, Columbus, GA</td>
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<td>1965</td>
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<td>USAF Boeing KC-135 Crash, El Toro Air Force Base, CA</td>
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<td>1965</td>
<td>Jul 11</td>
<td>Fire, Plane Crash, USAF Constellation, 100M off Nantucket, MA</td>
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<td>1965</td>
<td>Aug 16</td>
<td>United Flight 389 Crashes, Lake Michigan, off IL</td>
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<td>1965</td>
<td>Nov 08</td>
<td>American 383 Crash, ~Cincinnati/N KY Airport, Constance, KY</td>
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109 Cross-listed under Violence-Mass Murder
110 Cross-listed under Fog as contributing condition.
111 Cross-listed in Violence-Mass Murder.
112 Cross-listed in Fog as a Contributing Factor.
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<th>Year</th>
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<th>Casualties</th>
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<td>1965</td>
<td>Nov</td>
<td>United 227 Approach Crash</td>
<td>Salt Lake City Airport, UT</td>
<td>43</td>
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<tr>
<td>1965</td>
<td>Nov</td>
<td>Edde Airlines N485 Crash</td>
<td>Salt Lake City, UT</td>
<td>13</td>
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<tr>
<td>1966</td>
<td>Apr</td>
<td>US Navy Orion P-3A Crashes into Pacific 300km off San Diego, CA</td>
<td>11</td>
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<tr>
<td>1966</td>
<td>Apr</td>
<td>American Flyers Airline Flight 280/D Crash</td>
<td>NE, Ardmore, OK</td>
<td>83</td>
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<tr>
<td>1966</td>
<td>May</td>
<td>USAF KC-135 Stratotanker takeoff Crash</td>
<td>Kadena AB, Okinawa</td>
<td>12</td>
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<tr>
<td>1966</td>
<td>Oct</td>
<td>West Coast Air 956 Crash</td>
<td>Salmon Mt., near Wemme, OR</td>
<td>18</td>
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<tr>
<td>1966</td>
<td>Oct</td>
<td>Petroleum Helicopter, Bell 204B, goes into Gulf</td>
<td>Morgan City, LA</td>
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<tr>
<td>1966</td>
<td>Nov</td>
<td>USAF Constellation Crash</td>
<td>Atlantic, E. of Cape Cod, MA</td>
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<tr>
<td>1967</td>
<td>Mar</td>
<td>Lake Central Airlines Flight 527 Crash near Marseilles, OH</td>
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<tr>
<td>1967</td>
<td>Mar</td>
<td>TWA # 553/Beechcraft Mid-Air Collision</td>
<td>Urbana, OH</td>
<td>26</td>
</tr>
<tr>
<td>1967</td>
<td>Mar</td>
<td>Delta Air 9877 training crash into motel complex</td>
<td>Kenner, LA</td>
<td>19</td>
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<tr>
<td>1967</td>
<td>Apr</td>
<td>USAF Super Constellation Fire</td>
<td>off Nantucket Island, MA</td>
<td>15</td>
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<tr>
<td>1967</td>
<td>Jun</td>
<td>USMC Helicopters Collide</td>
<td>New River Marine Corps Air Fac., NC</td>
<td>22</td>
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<tr>
<td>1967</td>
<td>Jun</td>
<td>Mohawk Air Flight 40 Fire/Crash</td>
<td>Near Blossburg, PA</td>
<td>34</td>
</tr>
<tr>
<td>1967</td>
<td>Jul</td>
<td>Piedmont Flight 22 Collision Cessna 310</td>
<td>Asheville, NC</td>
<td>82</td>
</tr>
<tr>
<td>1967</td>
<td>Oct</td>
<td>Approach Crash/Fog</td>
<td>Northeast Air 946, Moose Mt., NH</td>
<td>32</td>
</tr>
<tr>
<td>1968</td>
<td>Jan</td>
<td>USMC R5D-2 (C54) Plane Crash</td>
<td>Mt. Tobin, Copper Canyon, NV</td>
<td>19</td>
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<tr>
<td>1968</td>
<td>Jan</td>
<td>USAF Stratotanker Takeoff Crash</td>
<td>Minot AFB, ND</td>
<td>13</td>
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<tr>
<td>1968</td>
<td>Apr</td>
<td>Navy P3B Coastal Surveillance Shot Down</td>
<td>Gulf of Thailand</td>
<td>12</td>
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<tr>
<td>1968</td>
<td>May</td>
<td>Braniff Flight 352 Crashes</td>
<td>Thunderstorm, Houston to Dallas TX</td>
<td>85</td>
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<td>1968</td>
<td>May</td>
<td>Sikorsky Helicopter Break-up</td>
<td>LA Air, Paramount, CA</td>
<td>23</td>
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<tr>
<td>1968</td>
<td>Jul</td>
<td>USAF C-124A, GA Reserve</td>
<td>Crash, 50 miles NW of Recife, Brazil</td>
<td>10</td>
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<tr>
<td>1968</td>
<td>Aug</td>
<td>Piedmont Air 230 Plane Crash/Fog</td>
<td>Charleston, WV</td>
<td>35</td>
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<tr>
<td>1968</td>
<td>Aug</td>
<td>Helicopter Crash, Los Angeles Air Sikorsky</td>
<td>Compton, CA</td>
<td>21</td>
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<tr>
<td>1968</td>
<td>Oct</td>
<td>Approach Crash/Fog</td>
<td>Northeast Air 946, Moose Mt., NH</td>
<td>32</td>
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<tr>
<td>1968</td>
<td>Dec</td>
<td>Wien Consolidated Air #55 loses wing/turbulence</td>
<td>Pedro Bay, AK</td>
<td>39</td>
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<tr>
<td>1968</td>
<td>Dec</td>
<td>Plane Hits Hangar/Fog</td>
<td>No. Central Air 458, O’Hare, IL</td>
<td>28</td>
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<tr>
<td>1968</td>
<td>Dec</td>
<td>Plane Crash/Snowstorm</td>
<td>Allegheny Air 736, Bradford, PA</td>
<td>20</td>
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<tr>
<td>1969</td>
<td>Jan</td>
<td>Allegheny Air Flight 737 Approach Crash</td>
<td>Bradford, PA</td>
<td>11</td>
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<td>1969</td>
<td>Jan</td>
<td>SAS Flight 933 Approach Crash</td>
<td>Santa Monica Bay, CA</td>
<td>15</td>
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<tr>
<td>1969</td>
<td>Jan</td>
<td>United Flight 266 System Failure/Crash</td>
<td>Ocean off LA, CA</td>
<td>38</td>
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<tr>
<td>1969</td>
<td>Feb</td>
<td>USAF HC-130 Rescue Plane Crash into Sea</td>
<td>off Taiwan</td>
<td>13</td>
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<tr>
<td>1969</td>
<td>Feb</td>
<td>Crash, Angeles Flying Service</td>
<td>Clallam Ct AP, Port Angeles, WA</td>
<td>10</td>
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<tr>
<td>1969</td>
<td>Feb</td>
<td>Hawthorne NV/Mineral Co.</td>
<td>708 Crash., Mt. Whitney, CA</td>
<td>35</td>
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<tr>
<td>1969</td>
<td>Mar</td>
<td>Crash, PR Int. Airlines</td>
<td>Sierra de Luquillo Mts., San Juan, PR</td>
<td>19</td>
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113 Cross-listed in Violence (Attack).
114 Cross-listed in Fog as contributing condition.
115 Cross-listed in Fog as contributing condition.
116 Cross-listed under Fog as contributing condition.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Incident Description</th>
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<tr>
<td>1969</td>
<td>Mar 08</td>
<td>USAF C-130 Crash short of runway, Ching Chuan Kang AB, Taiwan</td>
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<tr>
<td>1969</td>
<td>Apr 14</td>
<td>Navy EC-121M Shot Down by North Korea, Sea of Japan</td>
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<td>1969</td>
<td>Jun 05</td>
<td>USAF Recon Plane Crash off Shemya, AK</td>
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<td>1969</td>
<td>Jun 23</td>
<td>Dominican de Aviacion Takeoff Crash, Miami IAP, FL</td>
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<td>1969</td>
<td>Jul 06</td>
<td>Air South Crash, near Monroe, GA</td>
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<td>1969</td>
<td>Sep 09</td>
<td>Allegheny Air Flight 853/Piper Collision, Fairland, IN</td>
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<td>1969</td>
<td>Nov 19</td>
<td>Crash, Mohawk Airlines Flight 411, ~Glens Falls, NY</td>
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<td>1969</td>
<td>Dec 05</td>
<td>Lockheed Lodestar Plane Crash, NE Albuquerque, NM</td>
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<td>1969</td>
<td>Dec 22</td>
<td>U.S. Navy F-8 Jet Crash, Miramar Naval Air Station, CA</td>
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<td>1970</td>
<td>May 02</td>
<td>Plane Crash, Overseas National Air, near St. Croix, Virgin Islands</td>
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<td>1970</td>
<td>May 04</td>
<td>USAF Convair T-29D Crash, near Hamilton AFB, CA</td>
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<td>1970</td>
<td>Jul 05</td>
<td>Air Canada Flight 621 Plane Crash near Toronto, Canada</td>
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<td>1970</td>
<td>Aug 03</td>
<td>Navy P3A Orion, lightning, turbulence breakup, ~Searchlight, NV</td>
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<td>1970</td>
<td>Aug 10</td>
<td>Lansa Flight 502 takeoff crash near Cuzco Airport, Peru</td>
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<td>1970</td>
<td>Sep 08</td>
<td>Trans International Air 893, Takeoff Crash, JFK AP, NY</td>
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<td>1970</td>
<td>Oct 02</td>
<td>Golden Eagle Aviation crash, WSU FB team, w. of Silver Plume CO</td>
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<td>1970</td>
<td>Oct 02</td>
<td>USAF C-130 transport plane crash into mountain near Taipei, Taiwan</td>
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<td>1970</td>
<td>Nov 14</td>
<td>Southern Airways Flight 932 Crash, Huntington, WV</td>
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<td>1970</td>
<td>Nov 27</td>
<td>Capitol Air Douglas DC-8 Takeoff Crash, Anchorage, AK</td>
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<td>1971</td>
<td>May 06</td>
<td>Apache Airlines Carstedt Jetliner Crash, Coolidge, AZ</td>
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<td>1971</td>
<td>Jun 06</td>
<td>Hughes Air 706/Marine Corps Phantom II Collide, Duarte, CA</td>
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<td>1971</td>
<td>Jun 13</td>
<td>USAF C-135B monitoring French Nuclear Test, Lost, Pacific</td>
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<td>1971</td>
<td>Jun 27</td>
<td>Takeoff Crash, Sea Park Airlines, Shelter Cove, CA</td>
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<td>1971</td>
<td>Aug 18</td>
<td>USAF Chinook Helicopter explodes in air, Pegnitz, West Germany</td>
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<td>1971</td>
<td>Sep 04</td>
<td>Juneau approach crash, Alaska Air 1866, Mt. Fair (Chilkats), AK</td>
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<tr>
<td>1971</td>
<td>Sep 16</td>
<td>Scenic Airlines Cessna 402 Crash, Peach Springs, AZ</td>
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<tr>
<td>1971</td>
<td>Oct 21</td>
<td>Approach Crash/Fog, Chicago &amp; Southern 804, Peoria, IL</td>
</tr>
<tr>
<td>1971</td>
<td>Nov 12</td>
<td>USAF Lockheed C-130 Hercules Crash, Little Rock AFB, AR</td>
</tr>
</tbody>
</table>

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

117 Cross-listed under Fog as contributing condition.
118 Cross-listed in Violence (Attack).
119 Cross-listed in Lightning.
120 Concerning these ten aviation events, there are ways to look at these events and loss of life and there are other ways. Col. Edgar A. Haine has written: “In 1970 there were no scheduled airline fatalities in the United States, 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.” (Haine, Edgar A. Disaster in the Air. NY: Cornwall Books, 2000, p. 23.)
121 Cross-listed under Fog as contributing condition.
122 Cross-listed under Fog as contributing condition.
1972 -- Feb 19, USAF C-130 and T-37 Planes Collide, NE of Little Rock AFB, AR -- 5
1972 -- Mar 03, Mohawk Airlines N7818M Crash, Albany, NY -- 17
1972 -- May 29, Petroleum Helicopter Crash, Oil Platform Workers, Dulac, LA -- 11
1972 -- Jun 03, Brunswick ME-based USN Orion 152182 Crashes into Moroccan Mt.-- 14
1972 -- Jun 29, Mid-Air Collision, N. Cent. Air/Air Wisc., Appleton, WI -- 13
1972 -- Sep 24, Plane Crash/Fire, Farrell’s Ice Cream Parlor, Sacramento, CA 123 -- 22
1972 -- Nov 17, Metro Air System (N2700S) Crash, Elkton, KY -- 11
1972 -- Dec 05, USAF C-130 Talon Collides with SC ANG F-102, near Conway, SC-- 13
1972 -- Dec 08, United Flight 533 Crashes, Midway Airport, Chicago, IL -- 45
1972 -- Dec 20, Planes Collide/Fog, No. Central & Delta, O’Hare Chicago, IL 124 -- 10
1972 -- Dec 29, Eastern Airlines Flight 401 Crash, Everglades, FL -- 101

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

755. 1973 -- Feb 07, Navy Corsair II Plane Crash/Apartment Bldg., Fire, Alameda, CA 125-- 11
756. 1973 -- Mar 08, USAF Douglas C-47 Crash, Silk Hope, NC -- 14
757. 1973 -- Apr 12, Planes Collide, NASA Convair/NAVY P-3C Orion, Sunnyvale CA -- 16
758. 1973 -- July 23, Ozark Air Flight 809 Crash, Hit by Downburst, St. Louis, MO -- 38
759. 1973 -- July 31, Delta Air Flight 723 Crash/Fog, Seawall, Logan, Boston, MA 126 -- 89
760. 1973 -- Sep 27, Texas International Air N94230 Crash, Black Fork Mt., AR -- 11
761. 1973 -- Dec 11, US Navy R6D-1 Crash, Great Sitkin Island (Adak approach), AK -- 10

762. 1974 -- Jan 06, Air East Airlines N125AE Crash, Johnstown, PA -- 12
763. 1974 -- Jan 30, Pan Am 806 Plane Crash, Pago-Pago, American Samoa -- 97
764. 1974 -- Mar 13, Sierra Pacific Air Convair CV-440 Crash, Bishop, CA -- 36
765. 1974 -- Apr 11, Plane Crash, Island Air Beechcraft 18 (N28358) Kahului, HI -- 11
766. 1974 -- Sep 11, Eastern Air Flight 212 Crashes in Fog, Charlotte, NC -- 72
767. 1974 -- Dec 01, TWA Flight 514 Flies Into Mt. Weather, VA, -- 92

768. 1975 -- Jan 9, Planes Collide, Golden West Air #261/Cessna, Whittier, CA -- 14
769. 1975 -- Jan 9, USAF T29D and Cessna Collide 4 miles west of Newport News, VA -- 9
770. 1975 -- Mar 20, USAF Transport Crash, Olympic National Park, Quilcene, WA -- 16
772. 1975 -- June 24, Eastern Flight 66 Crashes, Microburst, JFK Airport, NY -- 113
774. 1975 -- Sep 26, USAF Sikorsky CH-53 Helicopter Crash, east of Paderborn, Germany-- 16

775. 1976 -- Apr 23, Petroleum Helicopters Inc. Crash, Gulf of Mex., off coast of LA -- 12
776. 1976 -- Apr 27, American Air Flight 625, Crash, St. Thomas, Virgin Islands -- 37
777. 1976 -- Aug 28, USAF Crash, severe thunderstorm rips wing, ~Peterborough, UK -- 18

123 Cross-listed under Fire.
124 Cross-listed in Fog as a Contributing Factor.
125 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.
126 Cross-listed in Fog as contributing condition.
1976 -- Sep 26, USAF KC-135 (61-0296) Crash, Alpena, MI -- 15
1976 -- Sep 26, Crash, Johnson & Johnson Gulfstream, Hot Springs, AR -- 11

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

1977 -- Mar 27, KLM 4805/Pan Am 1736 Collide, fog, Tenerife Airport, Canary Is. ----339
1977 -- Apr 04, Thunder/Hailstorm, Southern Air Flight 242 Crash, Hope, GA 128 -- 72
1977 -- Jun 21, USN TACAMO EC130Q Hercules Takeoff Crash, off Wake Island -- 16
1977 -- Sep 6, Alaska Aeronautical Industries fl. 302 Plane Crash, Mt. Iliamna, AK -- 13
1977 -- Sep 14, USAF EC-135K Crash, Mt., Manzano range, ~Albuquerque, NM -- 20
1977 -- Dec 08, Petroleum Inc. Helicopter hits crane cable, Intracoastal City, LA -- 17
1977 -- Dec 11, BNAS-based USN Orion Crash, Fog, El Hierro Mt., Canary Islands-- 13
1977 -- Dec 13, Univ. of Evansville Basketball Charter Plane Crash, Evansville, IN -- 29

1977 -- Feb 10, Columbia Pacific Airlines N199EA Crash, Richland, WA -- 17
1977 -- Aug 25, Webber Air charter crash, Sumner Strait, NW of Prince of Wales Isl., AK-12
1977 -- Aug 30, Las Vegas Airlines (N44LV) Crash, North Las Vegas, NE -- 10
1977 -- Sep 08, USAF C130 Crash into mountain, ~8 miles N of Little Rock AFB, AR-- 8
1977 -- Sep 25, Pacific Southwest 182/Cessna collide, fall onto homes, fire, San Diego, CA-- 144
1977 -- Oct 06, USN C-118 Transport Crashes into hill in Fog near Santiago, Chile -- 16
1977 -- Nov 30, Plane Crashes; USN C-130 Cottageville, SC; Piper, Albany AP, GA-- 11
1977 -- Dec 10, USAF C-130 Hercules Plane Crash, landing phase, Ft. Campbell, KY-- 5
1977 -- Dec 28, United Airlines N8082U Crash, Portland, OR -- 10

1979 -- May 25, American Airlines #191 takeoff crash, O’Hare IAP, Chicago, IL -- 273
1979 -- May 30, Downeast Airlines #46 approach crash, Owls Head ~Rockland, ME-- 17
1979 -- Sep 14, Butler Aircraft Inc. DC-7 Plane Crash, Surveyor Mountain, OR -- 12
1980 -- Oct 31, Western Airlines Flight 2605 crash, Mexico City Int. Airport --34 US of 73

1980 -- Mar 14, USAF C130 Wing Explosion and Crash near Yenice, Cilicia, Turkey -- 18
1980 -- Mar 14, Polish Air approach crash (US boxing team) ~Warsaw AP, Poland--87, US/31
1980 -- March 27, Lufkin Inc., Beechcraft plane crash (icing), fire, ~Parker, CO -- 10
1980 -- June 12, Air Wisconsin flight 965 crash (storm, engine failure), Valley, NE -- 13
1980 -- Aug 6, Air Logistics helicopter crash with oil platform workers, off Houma, LA-13
1980 -- Sep 12, Florida Commuter Airlines Crash (not found) off Freeport, Bahamas-- 34

1981 -- Feb 26, USAF MC-130 Plane Crash, off NAS Cubi Pt., Philippines --(17 US) 23
1981 -- Apr 17, Planes Collide, Air US 716 & Sky West Parachute, Loveland, CO -- 15

127 There were 13 immediate U.S. fatalities and 8 Greenland (Dutch) passenger fatalities. Two other people died about two weeks later – I think they also were Greenland passengers. Greenland is an autonomous country within the Kingdom of Denmark. (Wikipedia. “Greenland.”)
128 Cross-listed in Hail as a contributing condition.
811. 1981 -- May 26, USN EA-68 Prowler Crash, USS *Nimitz*, off Jacksonville, FL\textsuperscript{129} -- 14
812. 1981 -- May 06, USAF EC-135N Crash, Walkersville, near Frederick, MD -- 21
813. 1981 -- Dec 5, Crash (pilot error), Jump Hawaii Club Beechcraft C-45, Honolulu, HI-- 11

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

814. 1982 -- Jan 13, Air Florida 90 Crash, 14\textsuperscript{th} St. Bridge/Potomac River, Wash., DC -- 78
815. 1982 -- March 19, USAF KC-135 Tanker Explosion / Crash near Wonder Lake, IL -- 27
816. 1982 -- April 2, US Navy transport plane crash, Mediterranean island of Crete -- 11
817. 1982 -- July 9, Pan Am 759 takeoff crash (windshear), NOIA, Kenner, LA\textsuperscript{130} -- 153-154
818. 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
819. 1982 -- Sep 11, USAF Chinook Crash, Airshow, near Mannheim, Germany --66, U.S. 7-8
821. 1983 -- June 2, Air Canada Fl. 797 in-flight hidden fire, emer. landing, Covington, KY-- 23
822. 1983 -- June 16, US Navy P-3B Orion (152720) Crash in Mountain, Kauai, HI -- 14
823. 1983 -- Aug 17, Las Vegas Airlines Flight 88 flies into mountain, Grand Canyon, AZ-- 10
824. 1983 -- Aug 21, Landry Aviation plane with skydivers stalls/crashes, Silvana, WA -- 11
825. 1983 -- Sep 1, Korean Air 007 (NY to Seoul) shot down by USSR off Sakhalin Isl.\textsuperscript{131} 269 (US 61-94)
826. 1983 -- Oct 11, Air Illinois (N748LL) Crash, Pinckneyville, IL -- 10

827. 1984 -- Feb 29, USAF C-130 Hercules Plane Crash, near Borja, Spain --(17 US) of 18
828. 1984 -- Mar 24, USMC Helicopter Crash into Mt., 24M N. of Pohang So. Korea --18 of 29
829. 1984 -- Aug 24, Wings West Air (15) & Rockwell Comd. (2) collide, San Luis Obispo, CA-- 17
830. 1984 -- Dec 6, Provincetown-Boston Airlines 1039 takeoff crash, Jacksonville AP, FL-- 13

831. 1985 -- Jan 21, Galaxy Air Charter Flight 203 Crashes, Reno NV -- 70
832. 1985 -- Jan 22, USAF Plane Crash in Sea on approach to Trujillo Airport, Honduras -- 21
833. 1985 -- May 6, USMC CH-53D Helicopter Crash into Sea of Japan off Yakushima -- 17
834. 1985 -- Aug 2, Delta Flight 191, Wind Shear, Crash, Dallas-Fort Worth IAP, TX -- 137
835. 1985 -- Sep 6, Midwest Express Airlines 105 crash upon departure, Milwaukee, WI -- 31
836. 1985 -- Sep 23, Henson Airlines 1517 approach crash, Hall Mt. (~Staunton), VA -- 14
837. 1985 -- Sep 29, Skydiving Crash, Westwind Sports/Parachute Ctr., Jenkinsburg, GA-- 17
1985 -- Nov 23, Twin-engine Beech plane crash, Boca Raton, FL (all aboard killed)-- 6
1985 -- Dec 31, Century Equip. C-47 Plane Fire/Crash (Ricky Nelson), ~DeKalb, TX-- 7

839. 1986 -- Jan 28, *Challenger* Space Shuttle Break-up (O-Ring) Cape Canaveral, FL -- 7
840. 1986 -- Apr 02, Plane Crash, USAF Hercules C-130 Magdalena, NM -- 11

\textsuperscript{129} Cross-listed in Maritime.

\textsuperscript{130} The difference in number of fatalities has to do with 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).

\textsuperscript{131} 61-62 were U.S. citizens (depending on source). Thirty-two were foreign nationals living in the U.S.
840. 1986 -- Jun 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
1986 -- Aug 31, Aeronaves de Mexico 498 & Piper collide, Cerritos, CA (15 on ground)--82

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

841. 1986 -- Aug 29, USN CH-46 Helicopter Crash, Carrier USS Saipan, off Bodoe, Norway-- 8
842. 1986 -- Aug 31, Aeronaves de Mexico 498 & Piper collide, Cerritos, CA (15 on ground)--82

843. 1986 -- Aug 31, Aeronaves de Mexico 498 & Piper collide, Cerritos, CA

844. 1987 -- Jan 15, Sky West N163SW Crash, Slat Lake City, UT -- 10
1987 -- March 4, Northwest Airlink Crash, Detroit/Wayne County Airport, Romulus, MI-9
1987 -- July 4, Private (band) Beechcraft crash, near Flathead Lake, Lakeside, MT -- 10
1987 -- Aug 16, Southwest 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
1987 -- Oct 20, USAF A-7D Jet Crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash, Denver, CO -- 28
1987 -- Nov 23, Ryan Air Flight 103, Beechcraft 1900C, approach crash, Homer, AK-- 18
1987 -- Dec 07, Pacific SW No, 1771 Hijacked/Crashed, Cayucos, CA132 -- 43
1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15

845. 1987 -- Jan 15, Sky West N163SW Crash, Slat Lake City, UT -- 10
1987 -- March 4, Northwest Airlink Crash, Detroit/Wayne County Airport, Romulus, MI-9
1987 -- July 4, Private (band) Beechcraft crash, near Flathead Lake, Lakeside, MT -- 10
1987 -- Aug 16, Southwest 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
1987 -- Oct 20, USAF A-7D Jet Crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash, Denver, CO -- 28
1987 -- Nov 23, Ryan Air Flight 103, Beechcraft 1900C, approach crash, Homer, AK-- 18
1987 -- Dec 07, Pacific SW No, 1771 Hijacked/Crashed, Cayucos, CA132 -- 43
1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15

846. 1987 -- Jan 15, Sky West N163SW Crash, Slat Lake City, UT -- 10
1987 -- March 4, Northwest Airlink Crash, Detroit/Wayne County Airport, Romulus, MI-9
1987 -- July 4, Private (band) Beechcraft crash, near Flathead Lake, Lakeside, MT -- 10
1987 -- Aug 16, Southwest 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
1987 -- Oct 20, USAF A-7D Jet Crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN-- 10
1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash, Denver, CO -- 28
1987 -- Nov 23, Ryan Air Flight 103, Beechcraft 1900C, approach crash, Homer, AK-- 18
1987 -- Dec 07, Pacific SW No, 1771 Hijacked/Crashed, Cayucos, CA132 -- 43
1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15

850. 1988 -- Feb 19, AVAir Inc. Fairchild Metro III (Air Virginia) takeoff crash, Cary, NC-- 12
1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN133 -- 17
1988 -- June 8, Air Nat. Guard C-130 Crash, touch-and-go-landing, Greenville, MS-- 6
1988 -- July 3, USS Vincennes missile cruiser shoots down Iran Air 655, Persian Gulf134290
1988 -- Aug 31, Delta Air flight 1141 takeoff crash/fire, Dallas/Fort Worth AP, TX-- 14
1988 -- Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland:135 (189 U.S.) 270

1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN133 -- 17
1988 -- June 8, Air Nat. Guard C-130 Crash, touch-and-go-landing, Greenville, MS-- 6
1988 -- July 3, USS Vincennes missile cruiser shoots down Iran Air 655, Persian Gulf134290
1988 -- Aug 31, Delta Air flight 1141 takeoff crash/fire, Dallas/Fort Worth AP, TX-- 14
1988 -- Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland:135 (189 U.S.) 270

852. 1989 -- Jan 31, USAF SAC Tanker Crash, Dyess Air Force Base, TX -- 19
1989 -- Feb 24, United 811 (355 aboard) cargo door failure over Pacific near Hawaii-- 9
1989 -- Mar 12, USAF CH-3C ‘Copter Crash 20 mls NW of Tucson, ~Marana, AZ -- 15
1989 -- Mar 20, USMC Sea Stallion Helo Engine Mal./Crash, Mt., ~Pohang, S. Korea-- 19
1989 -- May 29, USMC CH46 Sea Knight Helicopter Crashes, Trng. Ex., off Okinawa-- 14
1989 -- June 11, Plane Crash, Scenic Air Tours (N34AP) Waipio Valley, HI -- 11
1989 -- July 19, United Flight 232 hydraulic system failure/crash, Sioux City, IA136 -- 112
1989 -- Sep 27, Grand Canyon Airlines Flight 5 (sightseeing) Crash, Tusayan, AZ -- 10
1989 -- Oct 28, Aloha IslandAir Flight 1712 crash into high terrain, Molokai, HI -- 20
1989 -- Dec 01, Plane Crash, US Army CASA 212, Patuxent River NAS, MD -- 5

132 Cross-listed in Violence-Mass Murder.
133 The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.
134 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 the target was a military one representing a threat. Indeed retrieved onboard screen shots demonstrated that the 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 in that it was a U.S. Navy vessel that caused the disaster.
135 Cross-listed in Violence-Bombing and Violence-Terrorism.
136 111 deaths at the time and one of the seriously injured who died 31 days later from their burn injuries.
865. 1990 -- Jan 25, Avianca #52 runs out of fuel/crashes, Cove Neck, Long Island, NY -- 73
1990 -- Dec 3, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus MI-8

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

867. 1991 -- Feb 1, Landing plane (USAir 1493) hits SkyWest 5569 on runway, LAX, CA-- 34
1991 -- Feb 3, Cessna 182 Parachute Plane collides with private plane, Osceola, WI-- 7
868. 1991 -- March 3, United Air Boeing 737 Crash, Colorado Springs, CO -- 25
869. 1991 -- Mar 16, Reba McEntire band charter plane crash, Otay Mt. ~San Diego, CA-- 10
870. 1991 -- March 21, Mid-Air Col., US Navy P-3C’s, SW off San Diego, CA -- 27
871. 1991 -- Apr 5, Atlantic Southeast Air Flight 2311 AP approach crash, Brunswick, GA-- 23
873. 1991 -- Sep 11, Continental Express 2574 breakup and crash, near Eagle Lake, TX -- 14

874. 1992 -- Feb 6, KY ANG C-130 Hercules Crash, Hotel/Rest. complex, Evansville, IN-- 17
876. 1992 -- April 22, Plane Crash, Perris Valley Aviation (Skydiving), Perris, CA -- 16
1992 -- May 28, U.S. Marine Corps Hornet Crash due to birdstrike, near Gainesville, FL--1
877. 1992 -- June 19, Adventure Air Crash, Grand Canyon sightseeing, ~Meadview, AZ -- 10
878. 1992 -- Sep 07, Beechcraft Parachuting Plane Crash, Hinckley, IL -- 12
1992 -- Oct 7, WV Air National Guard C-130 Crash, Berkeley Springs, WV -- 6
879. 1992 -- Nov 30, Two USAF C-141 Transports Collide Mid-Air, near Harlem, MT -- 13

1993 -- April 19, Plane Crash, SD Governor Mickelson & party, near Zwingle, IA -- 8
880. 1993 -- Dec 1, Terrain Express II Airlines/Northwest Airlink Crash, Hibbing, MN -- 18

881. 1994 -- Jan 5, Kimura International Air (charter) crash, near Fort Drum, FL -- 10
882. 1994 -- Mar 23, USAF C-130/F-16 Collide, F-16 hits troops on ramp, Pope AFB, NC-- 24
883. 1994 -- Apr 14, 2 USAF F-15s Shootdown 2 USA Black Hawks, No. Iraq --15US of 26
884. 1994 -- June 18, Mexican Charter Learjet Crash, Dulles IAP approach, Chantilly, VA-- 12
886. 1994 -- Sep 08, US Air Flight 427 crashes, Aliquippa, near Pittsburgh Airport, PA -- 133
887. 1994 -- Oct 31, American Eagle Flight 4148 Crashes, Icing, Roselawn, IN -- 68
888. 1994 -- Dec 13, American Eagle Flight 3379 (Flagship Air) Approach Crash, ~Raleigh, NC-- 15

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, GA137-- 9
889. 1995 -- Sep 10, Plane Crash, Peninsula Sky Diving Club, West Point, VA -- 12
890. 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
893. 1996 -- May 11, ValuJet Flight 592 cargo hold fire and crash, Everglades, FL -- 110

137 Eight fatalities at the time or shortly thereafter; one passenger four months later due to burns/inhalation injuries.
1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY -- 6
1996 -- July 17, TWA Flight 800, From JFK Explodes Over Ocean off NY -- 230
1996 -- Aug 17, USAF C-130 Crash, Presidential support mission, ~Jackson Hole, WY-- 9
1996 -- Nov 19, Collision, United Express 5925/Beechcraft, Quincy, IL -- 14
1996 -- Nov 22, USAF Hercules Engine Loss/Crash, Pacific ~Cape Mendocino, CA-- 10

AVIATION -- Master Set -- CHRONOLOGICAL (continued)

1997 -- Jan 9, Comair 3272 Crash, Snowstorm/Icing, near Monroe & Detroit, MI -- 29
1997 -- Aug 6, Korean Air 801 approach crash to Antonio B. Won IAP, Guam --229/US 13

1998 -- Sep 2, Swissair 111 (NY to Geneva) crashes off Peggy’s Cove, N.S., Can--229 (US117)

1999 -- June 01, American Airlines 1420, Storm/Landing Collis., Little Rock, AR -- 11
1999 -- July 31, Takeoff crash/Parahawks Skydiving Center plane, Marine City, MI -- 10
1999 -- Sep 25, Big Island Air Piper Crash (N411WL) Kailua Kona, HI -- 10
1999 -- Oct 31, Egypt Air 990 Crash, Mass Murder, off Nantucket Island, MA138 -- 217

2000 -- Jan 31, Alaska Airlines Flight 261 Crash, Off Point Mugu, Ventura Co., CA-- 88
2000 -- Apr 8, USMC Tilt-rotor Osprey V-22 Crash, Marana Airport ~Tucson, AZ -- 19
2000 -- May 21, Charter Plane Crash (Low Fuel), Executive Air, ~Wilkes Barre, PA-- 19

2001 -- Jan 27, Charter Plane Crash, OK St Univ. Basketball Members, Strasburg, CO-- 10
2001 -- March 3, USAF C-23 Plane Crash (VA NG (18) FL ANG (3)), Unadilla, GA-- 21
2001 -- March 29, Avjet Corp. Gulfstream III charter crash on approach, Aspen, CO -- 18
2001 -- Sep 11, American Airlines #77, Pentagon Attack, Arlington VA139 -- 189
2001 -- Sep 11, American Air Hijacked, Flown into Pentagon, Arlington VA140 -- 64
2001 -- Sep 11, American 11 Hi-hacked, flown into WTC North, NY141 --1,392,1,431
2001 -- Sep 11, American Air 11 Hijacked, flown into WTC North, NY142 -- 87
2001 -- Sep 11, United Air 175 Hi-jacked, flown into WTC South, NY143 -- 665
2001 -- Sep 11, United Air 175 Hi-jacked, flown into WTC South, NY144 -- 60
2001 -- Sep 11, United Airlines N591UA Hijacked, Crashed, Shanksville, PA145 -- 45
2001 -- Oct 10, PenAir flight 350 crash after takeoff (wing icing), Dillingham, AK -- 10
2001 -- Nov 12, American Airlines flight 587 Crash, Bell Harbor, Queens, NY -- 265

2003 -- Jan 8, Air Midwest Flight 5481 takeoff crash (no survivors), Charlotte, NC -- 21

138 Cross-listed in Violence-Mass Murder
139 Cross-listed in Violence-Terrorism.
140 Cross-listed in Violence—Terrorism.
141 Cross-listed in Violence—Terrorism.
142 Cross-listed in Violence-Terrorism; figure does not include 5 al-Qaeda Terrorists.
143 Cross-listed in Violence-Terrorism.
144 Cross-listed in Violence—Terrorism; figure does not include the five terrorists.
145 Cross-listed in Violence -- Terrorism
<table>
<thead>
<tr>
<th>No.</th>
<th>Year</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>922</td>
<td>2003</td>
<td>Mar 11, US Army Blackhawk Helicopter Crash, Fort Drum, NY</td>
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<tr>
<td>923</td>
<td>2004</td>
<td>Oct 19, Corporate Airlines (N875JX) Crash, Kirksville, MO</td>
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<td>924</td>
<td>2004</td>
<td>Oct 24, Hendrick Motorsports N501RH Crash, Martinsville, VA</td>
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<td>925</td>
<td>2005</td>
<td>Dec 19, Chalk’s Ocean Airways Flight 101 Crash, off Miami, FL</td>
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<td>926</td>
<td>2006</td>
<td>Aug 27, Comair Flight 5191 Takeoff Crash, Lexington, KY</td>
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<td>927</td>
<td>2007</td>
<td>Oct 7, Plane crash, Kapowsin Air Sports (skydiving), near Naches, WA</td>
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<td>928</td>
<td>2008</td>
<td>Aug 22, Red Canyon Aesthetics/Medical Spa Plane Crash, near Moab, UT</td>
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<td>929</td>
<td>2009</td>
<td>Jan 4, Sikorsky Helicopter hits hawk after takeoff, crashes ~Morgan City, LA</td>
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<tr>
<td>930</td>
<td>2009</td>
<td>Feb 12, Colgan Air/Continental Flight 3407 Crash, Clarence Center, NY</td>
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<tr>
<td>931</td>
<td>2009</td>
<td>Mar 22, Pilatus PC-12/45 Jet Private Plane Crash, Butte, MT</td>
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<tr>
<td>932</td>
<td>2010</td>
<td>Sep 16, National Championship Air Race Crash, Grandstand, Reno, NV</td>
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<tr>
<td>933</td>
<td>2010</td>
<td>Nov 23, Ponderosa Aviation Inc. Small Plane Crash, Superstition Mts., AZ</td>
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<tr>
<td>934</td>
<td>2011</td>
<td>July 7, Rediske Air-Taxi Crash, de Havilland DHC3 Otter, Soldotna, AK</td>
</tr>
<tr>
<td>935</td>
<td>2011</td>
<td>Mar 10, U.S. Army Blackhawk Helicopter Crash, Gulf off Navarre Beach, FL</td>
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<tr>
<td>936</td>
<td>2011</td>
<td>June 25, Plane Crash, Cruise Ship Passengers, ~25M from Ketchikan, SE AK</td>
</tr>
<tr>
<td>937</td>
<td>2011</td>
<td>Nov 10, Company jet crash into apt. bldg. on airport approach, Akron, OH</td>
</tr>
<tr>
<td>938</td>
<td>2011</td>
<td>June 30, Plane crash into AP hangar on takeoff, near no. Dallas, Addison, TX</td>
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<tr>
<td>939</td>
<td>2012</td>
<td>July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS</td>
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<tr>
<td>940</td>
<td>2012</td>
<td>May 2, Puerto Rico Air National Guard C-130 plane crash near Savannah, GA</td>
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<tr>
<td>941</td>
<td>2013</td>
<td>June 21, Skydiving charter plane crash, Dillingham Airfield, Oahu, HI</td>
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<tr>
<td>942</td>
<td>2013</td>
<td>June 30, Plane crash into AP hangar on takeoff, near no. Dallas, Addison, TX</td>
</tr>
<tr>
<td>Year</td>
<td>Date</td>
<td>Event Description</td>
</tr>
<tr>
<td>--------</td>
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<td>------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>1933</td>
<td>Apr 04</td>
<td>Dirigible Airship Crash, USS Akron (Navy ZRS-4), off Coast of NJ</td>
</tr>
<tr>
<td>1922</td>
<td>Feb 21</td>
<td>Dirigible Airship Roma Crashes, Hampton Roads Naval Base, VA</td>
</tr>
<tr>
<td>1960</td>
<td>July 06</td>
<td>USN Dirigible Airship Crash, ZPG-3W (1), off Barneget City, NJ</td>
</tr>
<tr>
<td>2016</td>
<td>July 30</td>
<td>Hot air balloon hits power lines/burns/crashes, near Lockhart TX</td>
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<tr>
<td>1925</td>
<td>Sep 03</td>
<td>Navy Dirigible Airship Shenandoah Crash, Noble County, Ohio</td>
</tr>
<tr>
<td>1921</td>
<td>Mar 23</td>
<td>USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico</td>
</tr>
<tr>
<td>1942</td>
<td>Jun 08</td>
<td>USN Dirigible Airships Collide, Defender/G-1, Ocean, ~Lakehurst, NJ</td>
</tr>
<tr>
<td>1944</td>
<td>May 16</td>
<td>Dirigible Airship K-5 Crash, Lakehurst NAS, NJ</td>
</tr>
<tr>
<td>1944</td>
<td>Apr 19</td>
<td>USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX</td>
</tr>
<tr>
<td>1944</td>
<td>Apr 19</td>
<td>USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX</td>
</tr>
<tr>
<td>1944</td>
<td>May 16</td>
<td>USN Dirigible Airship (Blimp) K-5 Crash, Lakehurst NAS, NJ</td>
</tr>
<tr>
<td>1960</td>
<td>July 06</td>
<td>USN Dirigible Airship Crash, ZPG-3W (1), off Barneget City, NJ</td>
</tr>
</tbody>
</table>

146 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.
147 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1960</td>
<td>Oct 4, Eastern Airlines Electra Hits Birds, Crashes, Logan, Boston, MA</td>
<td>62</td>
</tr>
<tr>
<td>1995</td>
<td>Sep 22, USAF Boeing AWACS Bird Strike Crash, Elmendorf AFB, AK</td>
<td>24</td>
</tr>
<tr>
<td>1962</td>
<td>Nov 23, Plane/Bird Collision United 297, Near Ellicott City, MD</td>
<td>17</td>
</tr>
<tr>
<td>1973</td>
<td>Feb 26, Lear Jet Departure, Peachtree-Dekalb AP, Atlanta, GA</td>
<td>8</td>
</tr>
<tr>
<td>2009</td>
<td>Jan 4, Sikorsky Helicopter hits hawk after takeoff, crashes ~Morgan City, LA</td>
<td>8</td>
</tr>
<tr>
<td>2008</td>
<td>Mar 04, Bird Strike, Cessna 500, near Wiley Post Airport, OK City, OK</td>
<td>5</td>
</tr>
<tr>
<td>1987</td>
<td>Sep 28, USAF B1-B Bird Strike and Crash, La Junta, CO</td>
<td>3</td>
</tr>
<tr>
<td>2007</td>
<td>Oct 23, Piper 44 Bird Strike, Minneapolis to Grand Forks, ND</td>
<td>2</td>
</tr>
<tr>
<td>1912</td>
<td>Apr 03, 1&lt;sup&gt;st&lt;/sup&gt; Recorded Plane Fatality Due to Bird Strike, C. P. Rogers</td>
<td>1</td>
</tr>
<tr>
<td>1936</td>
<td>July 25, Seaman Gladstone thrown from plane, bird collision-prevention maneuver-</td>
<td>1</td>
</tr>
<tr>
<td>1992</td>
<td>May 28, U.S. Marine Corps Hornet Crash due to birdstrike, near Gainesville, FL</td>
<td>1</td>
</tr>
</tbody>
</table>
## HELICOPTER/ Tilt-rotor Disasters -- Aviation Disasters Subset – By MORTALITY

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Aircraft Details</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1971</td>
<td>Aug 18</td>
<td>USAF Chinook Helicopter</td>
<td>Explodes in air, Pegnitz, West Germany</td>
<td>37</td>
</tr>
<tr>
<td>1986</td>
<td>Jun 18</td>
<td>Grand Canyon Air &amp; Helitech Helicopter Collide</td>
<td>Grand Canyon, AZ</td>
<td>25</td>
</tr>
<tr>
<td>1968</td>
<td>May 22</td>
<td>Helicopter Break-up/Crash, Sikorsky</td>
<td>LA Air, Paramount, CA</td>
<td>23</td>
</tr>
<tr>
<td>1967</td>
<td>Jun 23</td>
<td>USMC Helicopters Collide</td>
<td>New River Marine Corps Air Fac., NC</td>
<td>22</td>
</tr>
<tr>
<td>1968</td>
<td>Aug 14</td>
<td>Helicopter Crash, Sikorsky S-61</td>
<td>Los Angeles Air, Compton, CA</td>
<td>21</td>
</tr>
<tr>
<td>1989</td>
<td>Mar 20</td>
<td>USMC Sea Stallion Helo Engine Mal./Crash</td>
<td>Mt., ~Pohang, So. Korea</td>
<td>19</td>
</tr>
<tr>
<td>2000</td>
<td>Apr 08</td>
<td>USMC Tilt-rotor Osprey V-22 Crash</td>
<td>Marana Airport ~Tucson, AZ</td>
<td>19</td>
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<tr>
<td>1965</td>
<td>Jun 15</td>
<td>US Army Helicopters Mid-Air Collision</td>
<td>Columbus, GA</td>
<td>18</td>
</tr>
<tr>
<td>1984</td>
<td>Mar 24</td>
<td>USMC Helicopter Crash into Mt.</td>
<td>24M north of Pohang So. Korea</td>
<td>18 of 29</td>
</tr>
<tr>
<td>1977</td>
<td>Dec 08</td>
<td>Petroleum Inc. Helicopter</td>
<td>Hits crane cable, Intracoastal City, LA</td>
<td>17</td>
</tr>
<tr>
<td>1989</td>
<td>Mar 20</td>
<td>USMC Sea Stallion Helicopter Crashes, Trng. Ex.</td>
<td>Off Okinawa</td>
<td>17</td>
</tr>
<tr>
<td>1975</td>
<td>Sep 26</td>
<td>USAF Sikorsky CH-53 Helicopter Crash</td>
<td>East of Paderborn, Germany</td>
<td>16</td>
</tr>
<tr>
<td>1987</td>
<td>Dec 21</td>
<td>Petroleum Helicopters, Inc.</td>
<td>Oil rig landing crash, Gulf of Mex. off LA</td>
<td>15</td>
</tr>
<tr>
<td>1989</td>
<td>Mar 12</td>
<td>USAF CH-53C ‘Copter Crash</td>
<td>20 mls NW of Tucson, ~Marana, AZ</td>
<td>15</td>
</tr>
<tr>
<td>1989</td>
<td>May 29</td>
<td>USMC CH46 Sea Knight Helicopter</td>
<td>Crashes, Trng. Ex., off Okinawa</td>
<td>14</td>
</tr>
<tr>
<td>1996</td>
<td>May 10</td>
<td>Two U.S. Marine Helicopters Collide</td>
<td>Camp LeJeune, NC</td>
<td>14</td>
</tr>
<tr>
<td>1980</td>
<td>Aug 6</td>
<td>Air Logistics helicopter crash</td>
<td>Oil platform workers, off Houma, LA</td>
<td>13</td>
</tr>
<tr>
<td>2001</td>
<td>Apr 23</td>
<td>Petroleum Helicopters Inc. Crash</td>
<td>Gulf of Mex., off coast of LA</td>
<td>12</td>
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<tr>
<td>2016</td>
<td>Jan 14</td>
<td>Aviation, Two Marine Helicopters Crash</td>
<td>Off Hleiwa, Oahu, HI</td>
<td>12</td>
</tr>
<tr>
<td>1966</td>
<td>Oct 08</td>
<td>Petroleum Helicopter, Bell 204B</td>
<td>Goes into Gulf ~Morgan City, LA</td>
<td>11</td>
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<tr>
<td>2003</td>
<td>Mar 11</td>
<td>US Army Blackhawk Helicopter Crash</td>
<td>Fort Drum, NY</td>
<td>11</td>
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<tr>
<td>2015</td>
<td>Mar 10</td>
<td>U.S. Army Blackhawk Helicopter Crash</td>
<td>Gulf off Navarre Beach, FL</td>
<td>11</td>
</tr>
</tbody>
</table>

**Other:**

- 2009 -- Aug 09, Private Plane/Helicopter Collision, Hudson River, off Hoboken, NJ
- 2009 -- Oct 29, USMC Helicopter/USCG C-130 Collide, ~San Clemente Is., CA
- 1982 -- Sep 11, USAF Chinook Crash, Airshow, ~Mannheim, Germany
- 2009 -- Jan 4, Sikorsky Helicopter hits hawk after takeoff, crashes ~Morgan City, LA
- 1986 -- Aug 29, USN CH-46 Helicopter Crash, Carrier USS *Saipan* off Bodoe, Norway
- 1978 -- Sep 04, Hughes 269C Helicopter Crashes into Churchyard Festival, Derry, PA
- 1983 -- Jul 10/11, US Army CH-47 Chinook Helicopter Crash, South Fox Island, MI
- 1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY
- 1996 -- Mar 07, US Army Chinook from Fort Campbell Crashes near Olmstead, KY
- 2008 -- Dec 11, Air Taxi/Commuter Helicopter Crash, Gulf of Mexico, Sabine Pass, TX

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148 The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.
Helicopter / Tilt-rotor Disasters -- Aviation Disasters Subset – Chronological

1. 1960 -- July 27, Chicago Helicopter Airways Crash, Forest Park, IL -- 13
2. 1965 -- Jun 15, US Army Helicopters Mid-Air Collision, Columbus, GA -- 18
3. 1966 -- Oct 08, Petroleum Helicopter, Bell 204B, goes into Gulf ~Morgan City, LA -- 11
5. 1968 -- May 22, Helicopter Break-up/Crash, Sikorsky, LA Air, Paramount, CA -- 23
6. 1968 -- Aug 14, Helicopter Crash, Sikorsky S-61, Los Angeles Air, Compton, CA -- 21
7. 1971 -- Aug 18, USAF Chinook Helicopter explodes in air, Pegnitz, West Germany -- 37
8. 1975 -- Sep 26, USAF Sikorsky CH-53 Helicopter Crash, east of Paderborn, Germany-- 16
10. 1977 -- Dec 04, Petroleum Inc. Helicopter hits crane cable, Intracoastal City, LA -- 17
11. 1978 -- Sep 04, Hughes 269C Helicopter Crashes into Churchyard Festival, Derry, PA-- 7
12. 1980 -- Aug 6, Air Logistics helicopter crash with oil platform workers, off Houma, LA-- 13
13. 1982 -- Sep 11, USAF Chinook Crash, Airshow, ~Mannheim, Germany --46, U.S. 7-8
15. 1984 -- Mar 24, USMC Helicopter Crash into Mt., 24M north of Pohang So. Korea--18 of 29
16. 1985 -- May 06, USMC CH-53D Helicopter Crash into Sea of Japan off Yakushima -- 17
17. 1986 -- June 18, Grand Canyon Air & Helitech Helicopter Collide, Grand Canyon, AZ-- 25
18. 1986 -- Aug 29, USN CH-46 Helicopter Crash, Carrier USS Saipan off Bodoe, Norway-- 8
19. 1987 -- Dec 21, Petroleum Helicopters, Inc. oil rig landing crash, Gulf of Mex. off LA-- 15
20. 1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN149 -- 17
22. 1989 -- Mar 20, USMC Sea Stallion Helo Engine Mal./Crash, Mt., ~Pohang, So. Korea-- 19
23. 1989 -- May 29, USMC CH46 Sea Knight Helicopter Crashes, Trng. Ex., off Okinawa-- 14
26. 1996 -- June 18, Army transport helicopters collide and crash, Fort Campbell, KY -- 6
27. 2000 -- Apr 08, USMC Tilt-rotor Osprey V-22 Crash, Marana Airport ~Tucson, AZ -- 19
29. 2008 -- Dec 11, Air Taxi/Commuter Helicopter Crash, Gulf of Mex., Sabine Pass, TX-- 5
30. 2009 -- Jan 4, Sikorsky Helicopter hits hawk after takeoff, crashes ~Morgan City, LA -- 8
32. 2009 -- Oct 29, USMC Helicopter/USCG C-130 Collide, ~San Clemente Is., CA-- 9

149 The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
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</thead>
<tbody>
<tr>
<td>1975</td>
<td>Apr 04</td>
<td>Operation Babylift C-5 Crash ~Tan Son Nhut AB, Vietnam--50-52US of 155</td>
<td></td>
<td></td>
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<tr>
<td>1953</td>
<td>June 18</td>
<td>USAF Globemaster II Crash, Tachikawa AFB, Tokyo, Japan</td>
<td>129</td>
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<tr>
<td>1952</td>
<td>Dec 20</td>
<td>USAF Globemaster II Cartwheels on takeoff, Larson AFB, WA</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>1965</td>
<td>June 25</td>
<td>USAF Boeing KC-135 Crash, El Toro Air Force Base, CA</td>
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<td>US Marine Corps Transport Goes Missing, South WA</td>
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150 Included in that this was the first aviation disaster anywhere to kill more than 100 people.
151 73 fatalities on the Akron and 2 fatalities from rescue attempt, crew of airship J-3.
152 48 were civilian fatalities on United 736.
153 Though the Boeing employees were civilians, they were under contract to the military for a military bomber.
<table>
<thead>
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<td>USAAF C-54 Cockpit Fire and Crash off Amalfi, Italy</td>
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<td>1943</td>
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88. 1945 -- Nov 08, US Navy Mid-Air Collision, Corpus Christi Bay, TX -- 22
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103. 1947 -- Aug 06, US Navy PBY-5A disappears, Kodiak to Dutch Harbor, AK -- 20
104. 1947 -- Nov 28, USAF C-47 Transport Plane Crash, Mt. Carbone, Alps, ~Cuneo, Italy-- 20
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108. 1977 -- Sep 14, USAF EC-135K Crash, Mt., Manzano range, ~Albuquerque, NM -- 20
109. 1943 -- Jan 21, Pan Am 1104 (USN Transport) Crashes, Mt. ~Boonville & Ukiah CA-- 19
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\textsuperscript{155} There were 13 immediate U.S. fatalities and 8 Greenland (Dutch) passenger fatalities. Two other people died about two weeks later – I think they also were Greenland passengers. Greenland is an autonomous country within the Kingdom of Denmark. (\textit{Wikipedia}. “Greenland.”)

\textsuperscript{156} Cross-listed under Explosions.
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<td>1953</td>
<td>Dec 17, USAF B-29 Crashes, Officer’s Housing, Anderson AFB, Guam</td>
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<td>1957</td>
<td>Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI&lt;sup&gt;19&lt;/sup&gt;</td>
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<td>1944</td>
<td>Sep 18, USAAF Douglas C-47 Crash, Denali State Park, ~Talkeetna, AK&lt;sup&gt;19&lt;/sup&gt;</td>
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<td>Nov 03, USAF B-29 Bomber Crash after takeoff near Lajes Field, Azores&lt;sup&gt;18-19&lt;/sup&gt;</td>
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<td>1957</td>
<td>Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI&lt;sup&gt;18&lt;/sup&gt;</td>
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<td>Sep 18, USAAF Douglas C-47 Crash, Denali State Park, ~Talkeetna, AK&lt;sup&gt;19&lt;/sup&gt;</td>
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<td>Nov 03, USAF B-29 Bomber Crash after takeoff near Lajes Field, Azores&lt;sup&gt;18-19&lt;/sup&gt;</td>
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<tr>
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<td>Sep 18, USAAF Douglas C-47 Crash, Denali State Park, ~Talkeetna, AK&lt;sup&gt;19&lt;/sup&gt;</td>
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<td>1950</td>
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<td>Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI&lt;sup&gt;18&lt;/sup&gt;</td>
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<sup>157</sup> Cross-listed under Fog as contributing condition.
<sup>158</sup> Cross-listed under Fog as contributing condition.
<sup>159</sup> All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.
151. 1944 -- Aug 01, USAAF B-24’s Collide ~Furnace Creek, Death Valley, CA -- 17
152. 1944 -- Aug 05, USAAF B17G’s Collide, near Dixon, NE -- 17
153. 1944 -- Nov 11, US Air Transport Command C-54 Crashes 50 mi. off Oahu, HI -- 17
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155. 1945 -- June 14, Lightning-hit Plane Crash, USAAF C-46D, near Oakridge, MS\textsuperscript{160} -- 17
156. 1945 -- July 18, USN PB4Y-2 Privateer Plane Missing, out of NAS Miami, FL --15-17
157. 1956 -- Mar 02, USAF C124C Globemaster II Crash, Atlantic, Iceland to US -- 17
158. 1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR\textsuperscript{161} -- 17
160. 1964 -- Jun 29, USAF Stratotanker / C-54 Collide near Kindley US AFB, Bermuda-- 17
161. 1985 -- May 6, USMC CH-53D Helicopter Crash into Sea of Japan off Yakushima -- 17
162. 1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN\textsuperscript{162} -- 17
163. 1992 -- Feb 6, KY ANG C-130 Hercules Crash, Hotel/Rest. complex, Evansville, IN-- 17

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

163. 1942 -- Aug 15, US Army AF C-53 Crash, near Garnet Peak, Peru, MA -- 16
164. 1943 -- Jun 26, Six USAF Plane Crashes/Collisions, CA (2), FL (2), ME, SC -- 16
165. 1943 -- Dec 14, USAF B-24J Plane Crash, near Omaha, NE -- 16
166. 1945 -- Jan 09, USAF B-29 Plane Lost, Atlantic, off Southeast Coast -- 16
167. 1945 -- Jan 24, USAF B-17Fs Collide, near Dyersburg, TN -- 16
168. 1947 -- Apr 19, USAF B-29 Fire/Explos./Crash, off Kwajalein Isl., Marshall Islands-- 16
169. 1948 -- Aug 24, U.S. B29 Superfortress Plane takeoff Crash near Hickam AFB, HI -- 16
170. 1949 -- July 30, Eastern Airlines #557 Hit by Navy Hellcat Aircraft, Chesterfield, NJ-- 16
171. 1950 -- May 18, USAF B-29 Crash, Lajes Field, Azores --15-16
172. 1950 -- July 13, In-Flight Fire/Crash USAF B-50, near Mason, OH -- 16
173. 1952 -- Oct 29, USAF Stratotanker Crash, Gray Mountain, near Flagstaff, AZ -- 16
174. 1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan\textsuperscript{163} -- 16
175. 1956 -- Aug 22, Navy P4M-1Q Shot Down near Wenchow, China -- 16
176. 1956 -- Sep 10, Yokota AB USAF RB50G Lost tracking Typhoon Emma Sea of Japan-- 16
177. 1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy -- 16
178. 1960 -- Jan 16, USN P4M-1Q Mercator Crash, Karanfil Mountain, --Adana, Turkey -- 16
179. 1965 -- July 11, Fire, Plane Crash, USAF Constellation, 100M off Nantucket, MA -- 16
180. 1973 -- Apr 12, Planes Collide, NASA Convair/NAVY P-3C Orion, Sunnyvale, CA -- 16
181. 1975 -- Mar 20, USAF Transport Crash, Olympic Nat. Park, Quilcene WA -- 16
182. 1975 -- Sep 26, USAF Sikorsky CH-53 Helicopter Crash, east of Paderborn, Germany-- 16
183. 1977 -- Jun 21, USN TACAMO EC130Q Hercules Takeoff Crash, off Wake Island -- 16
184. 1978 -- Oct 06, USN C-118 Transport Crashes into hill in Fog near Santiago, Chile -- 16
185. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16

186. 1942 -- Jan 14, Five USAAF Planes Crash, AL, ID, NH, TX, VA -- 15
187. 1942 -- Mar 05, 2 USAAF Plane Crashes, St. Lucie Riv., Port Sewall, FL; off NC/VA-- 15
188. 1942 -- Apr 29, Four USAAF Planes Crash -- Kodiak, AK; Smyer, TX; Orlando, FL-- 15

\textsuperscript{160} Cross-listed under Lightning.
\textsuperscript{161} Cross-listed under Attack.
\textsuperscript{162} The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.
\textsuperscript{163} Cross-listed in Violence (Attack).
189. 1943 -- May 08, Crash, USAAF C-47, near Tinker Field, Oklahoma City, OK -- 15
190. 1943 -- May 13, Collision, USAAF B-24’s, near Biggs Field, El Paso, TX -- 15
191. 1943 -- Aug 10, Two Walla Walla USAAF bombers crash, ~Cecil, OR, Paterson, WA-- 15
192. 1944 -- July 21, 3 USAAF C-47s Lost, Atlantic, 25M off Cape Fear, NC -- 15
193. 1944 -- Oct 08, USAAF B-29 Plane Crash, near Love Field, Dallas, TX -- 15
194. 1944 -- Nov 03, USAAF Planes Collide, near Kingman Army Air Field, AZ -- 15
195. 1944 -- Nov 10, USAAF B-29 Plane Crash, near Clovis Army Air Field, NM -- 15
196. 1945 -- Aug 25, USAAF B-24J Plane Crash, 17 miles NNW of Elgin, OR -- 15
197. 1945 -- Oct 30, USAAF C-47 transport Crash into mountain near Cuneo, Italy -- 15
198. 1952 -- Feb 07, USAF takeoff Crash, 5 miles N of Yokota US AB, Japan -- 13 (US) of 15
199. 1952 -- Mar 12, Two USAF B-29’s Collide, near Sequin and San Antonio, TX -- 15
200. 1952 -- Apr 04, Planes Collide, USAF Globemaster & C-47, Mobile, AL -- 15
201. 1952 -- Apr 15, Plane Crash/Fire, USAF B-36D, near Fairchild AFB, WA -- 15
202. 1953 -- Nov 17, USAF C-119F Hits Paratroopers, Crashes, Fort Bragg, NC -- 15
203. 1955 -- May 25, Plane Crash, USAF SAC B-36J, Sterling City, TX -- 15
204. 1958 -- June 27, USAF SAC Tanker Crash, Near Chicopee Falls, MA -- 15
205. 1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK-- 15
206. 1959 -- Nov 7, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan) -- 15
207. 1962 -- Mar 08, USAF C-130A Hercules Plane Crash near Alencon, western France-- 15
208. 1967 -- Apr 25, USAF Super Constellation Fire, off Nantucket Island, MA -- 15
209. 1976 -- Sep 26, USAF KC-135 (61-0296) Crash, Alpena, MI -- 15
210. 1989 -- Mar 12, USAF CH-3C ‘Copter Crash 20 mls NW of Tucson, ~Marana, AZ -- 15

Military Craft – Aviation Disasters Subset of Aviation List (Cont.)

212. 1925 -- Sep 3, Navy Dirigible Shenandoah Crash, Noble County, OH -- 14
213. 1942 -- Apr 12, Two U.S. Navy Bombers Crash near Livermore, CA -- 14
215. 1942 -- Aug 19, USN Plane hits tugboat, Coco Solo Navy Base, Panama Ca. Zone -- 12-14
216. 1943 -- Feb 05, Mid-air Collision, 2 USAAF B-25 Bombers, Newberry, SC -- 14
217. 1943 -- Aug 28, 3 USAAF Planes Collide, near Army Air Base, Harvard, NE -- 14
218. 1943 -- Oct 22, Crash, USAAF B-17, Arkansas River, near Ponca City, OK -- 14
219. 1943 -- Oct 29, Crash, USAAF B-24, Atlantic off West Palm Beach, FL -- 14
220. 1943 -- Oct 29, USAF C-47 Crashes at Hoffman-Mackall AAF, NC -- 14
221. 1943 -- Dec 22, USAF B-24 Crash, near Morrison Field, West Palm Beach, FL -- 14
222. 1944 -- Feb 16, USN Air Transport Unit Flight Missing, NAS Seattle to Kodiak, AK-- 14
223. 1944 -- Jun 08, USAAF Bombers Collide, Homes Burn, Kill Civilians, Honolulu, HI -- 14
224. 1945 -- Mar 10, USN Plane Lost, Trng. Flight, NAS Jacksonville FL to Bahamas -- 14
225. 1945 -- Apr 11, USAF TB-17F Plane Collision, near Jackson AAB, MS -- 14
226. 1945 -- Jul 28, B-25 Bomber Flies into Empire State Building in Fog164 -- 14
227. 1945 -- Sep 12 USN PB4Y-2 Privateer Engine Fire, Crash, ~Master Field, Miami, FL-- 14
228. 1945 -- Oct 31, US Navy Transport Plane Crash, heavy fog, Rich Mt., ~Mena, AR -- 14
229. 1948 -- Aug 20, USAF B-29 Plane Crash, Rapid City Air Force Base, SD -- 14
230. 1951 -- Apr 27, USAF B-36 & F-51 Planes Collide, NE of Perkins, OK -- 14

164 Cross listed in Fog as contributing condition.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
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</thead>
<tbody>
<tr>
<td>1954</td>
<td>June 26, Plane Crash, USAF KC97 Stratotanker, Box Springs Mountain, CA</td>
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<tr>
<td>1955</td>
<td>Nov 17, USAF Plane Crash, Mount Charleston, NV</td>
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<tr>
<td>1955</td>
<td>Nov 29, USAF F-84 Crash into Base Housing, Eielson AFB, AK</td>
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<tr>
<td>1963</td>
<td>Jan 30, US Navy P-3A Crash, Atlantic, off Atlantic City, NJ</td>
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<tr>
<td>1967</td>
<td>Dec 14, USAF Lockheed P-2 Neptune Crash, Juneau, AK</td>
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<tr>
<td>1981</td>
<td>May 26, USN EA-68 Prowler Crash, USS Nimitz, off Jacksonville, FL</td>
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<tr>
<td>1955</td>
<td>Nov 17, USAF Plane Crash, Mount Charleston, NV</td>
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<td>1967</td>
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<tr>
<td>1981</td>
<td>May 26, USN EA-68 Prowler Crash, USS Nimitz, off Jacksonville, FL</td>
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<tr>
<td>1969</td>
<td>Dec 22, U.S. Navy F-8 Jet Crash, Miramar Naval Air Station, CA</td>
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<tr>
<td>1972</td>
<td>Jun 03, Brunswick ME-based USN Orion 152182 Crashes into Moroccan Mt.</td>
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<tr>
<td>1973</td>
<td>Mar 8, USAF Douglas C-47 Crash, Silk Hope, NC</td>
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<tr>
<td>1983</td>
<td>Apr 30, USN C-131 Eng. Fire/ Crash, St. John’s Riv., ~Jacksonville NAS, FL</td>
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<tr>
<td>1983</td>
<td>Jun 16, US Navy P-3B Orion (152720) Crash in Mountain, Kauai, HI</td>
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<tr>
<td>1983</td>
<td>May 29, USMC CH46 Sea Knight Helicopter Crashes, Trng. Ex., off Okinawa</td>
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<tr>
<td>1942</td>
<td>Feb 11, Four USAAF Planes Crash, Taft, Lemoore CA, Granby CT, WA</td>
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<tr>
<td>1942</td>
<td>Feb 20, Seven U.S. Military Planes Crash, CA, Wash. DC, TX (2), WA (2)</td>
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<tr>
<td>1943</td>
<td>Apr 23, USAF, B-26C’s Collide, Army Air Base, Venice FL</td>
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<tr>
<td>1943</td>
<td>Jun 25, Navy Plane Crashes, St. John River near Green Cove Springs, FL</td>
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<td>1943</td>
<td>July 19, Plane Crash, USAF C-53D, near Malcolm and Lincoln, NE</td>
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<tr>
<td>1943</td>
<td>July 24, USAF B-17A Crash, near Army Air Base, Ephrata, WA</td>
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<tr>
<td>1944</td>
<td>Jan 02, USAF B-17G Breakup, McClellan Field, Sacramento CA</td>
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<tr>
<td>1944</td>
<td>Jan 20, USN PB4Y-1 Liberator 32163 Crash after takeoff, Camp Kearny, CA</td>
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<tr>
<td>1944</td>
<td>Feb 03, USAF B-26B’s Collide, near Garland, AR</td>
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<tr>
<td>1944</td>
<td>Feb 07, Two USAF Planes Crash, Parkton, NC, Wendover Field, UT</td>
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<tr>
<td>1944</td>
<td>May 19, USN 32226 PB4Y-1 Liberator Plane Crash ~MCAS Cherry Point, NC</td>
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<tr>
<td>1944</td>
<td>Nov 11, USAF C-47B Crash, Strawberry Peak, near Glendale, CA</td>
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<tr>
<td>1944</td>
<td>Dec 05, USAF P-47/B-24J Planes Collide near Walterboro AAF, SC</td>
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<tr>
<td>1945</td>
<td>Apr 17, US Navy VB-4 Patrol Plane Crash, Trng. Ex., near Mayport, FL</td>
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<tr>
<td>1945</td>
<td>July 08 USAF B-29 Structural Failure/ Crash, near Pueblo AAB, CO</td>
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<tr>
<td>1945</td>
<td>July 13, USAF B24 Crash, 25M from Tyndall Field, Panama City FL</td>
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<tr>
<td>1945</td>
<td>July 14, USAF B-29 Crash, Kirtland Field, Albuquerque, NM</td>
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<tr>
<td>1945</td>
<td>July 25, USAF C-47B Crash, Th-Storm, 13M near Tampa, FL</td>
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<tr>
<td>1945</td>
<td>Oct 18, USAF TB-24J Fire/ Crash, near Hondo AAF, TX</td>
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<tr>
<td>1946</td>
<td>July 18, U.S. Army Air Corps Transport C-47, Crash, near Goodland, KS</td>
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<tr>
<td>1948</td>
<td>Aug 12, USAF B-29 Plane Crash, near Walker Air Force Base, NM</td>
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<tr>
<td>1948</td>
<td>Nov 03, USAF B-29 Bomber Crash, Shelf Moor, near Manchester, England</td>
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<tr>
<td>1950</td>
<td>Apr 11, USAF B-29 Crash, Manzano Nuc.Wpn. Storage ~Kirtland AFB NM</td>
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<tr>
<td>1950</td>
<td>Nov 16, USAF KB29 Tanker and B-50 Collide/Crash ~Sil Naky village, AZ</td>
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<tr>
<td>1952</td>
<td>Dec 01, USAF C47B Plane Crash, Mount San Gorgonio, CA</td>
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<tr>
<td>1953</td>
<td>Jan 16, USAF C54 Crash, approach, Harmon AFB, Stephenville, NFLD, Can.</td>
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<tr>
<td>1954</td>
<td>Oct 06, USAF B-50 Crash near Willows, Glenn County, CA</td>
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<tr>
<td>1958</td>
<td>Sep 08, USAF B52’s Collide, Near Airway Heights, WA</td>
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</table>

165 Cross-listed in Maritime.
273. 1958 -- Sep 09, USAF Douglas C47 Plane Crash, Elmendorf AFB, Anchorage, AK -- 13
274. 1962 -- Dec 26, USN P5M1 Marlin Seaplane Lost at Sea 350M SW of San Diego, CA-- 13
275. 1968 -- Jan 17, USAF Stratotanker Takeoff Crash, Minot AFB, ND -- 13
276. 1969 -- Feb 04, USAF HC-130 Rescue Plane Crash into Sea off Taiwan -- 13
277. 1970 -- May 4, USAF Convair T-29D Crash, near Hamilton AFB, CA -- 13
278. 1972 -- Dec 05, USAF C-130 Talon Collides with SC ANG F-102, near Conway, SC-- 13
279. 1977 -- Dec 11, BNAS-based USN Orion Crash, Fog, El Hierro Mt., Canary Islands-- 13
281. 1992 -- Nov 30, Two USAF C-141 Transports Collide Mid-Air, near Harlem, MT -- 13
282. 1940 -- Jun 17, Two USAAF Bombers Collide/Crash, Bellerose Manor, Queens, NY-- 12
283. 1941 -- Nov 2, US Naval Patrol “Flying Boat” Crashes, mountain ~Krisuvik, Iceland-- 12
284. 1942 -- Apr 02, Six USAF Planes Crash, Helena, AR; Planada, CA, Leary, GA;
Savannah AB, GA; San Angelo, TX; Everett, WA -- 12
285. 1942 -- May 12, 5 USAF Planes Crash, Breckenridge, Blanchard, Waukomis OK, Paine Field, WA--12
286. 1942 -- Oct 23, American Air/U.S. Army B-4 Bomber, Palm Springs, CA -- 12
287. 1942 -- Dec 05, USAF C-47 Approach Crash, ~Maxwell Field, Montgomery, AL -- 12
288. 1942 -- Dec 30, U.S. Army Air Force B-17 Crash, Musselshell, MT -- 12
290. 1943 -- Feb 17, U.S. Army Air Force B-17 Crash, near Huron, SD -- 12
291. 1943 -- May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog, Chicago IL166 -- 12
292. 1943 -- July 05, USAAF B-24E Crash, fog, Green Mt., San Miguel Island, CA -- 12
293. 1943 -- July 28, USAAF B-24E Structural Failure/Crash, Adena, CO -- 12
294. 1943 -- Aug 18, USAAF B-24E Plane Crash, Otero County, NM -- 12
295. 1943 -- Aug 18, USN Patrol Plane, VP-210, Crashes off Montauk Pt. Long Isl., NY -- 12
296. 1943 -- Nov 18, USAF B-24J Plane Crash, near Melrose, NM -- 12
297. 1943 -- Dec 15, USAAF B-17 Plane Crash, Army Air Base, Ardmore, OK -- 12
298. 1944 -- Jan 26, Navy Patrol Plane Crashes, Key West Naval Patrol Station, FL --11-12
299. 1944 -- Feb 16, USAF B-17F Plane Crash, Wimauma, FL -- 12
300. 1944 -- Feb 22, USAF B-17F Crash, Kittatinny Mt., Warren Ct., NJ -- 12
301. 1944 -- Feb 25, USAF Planes Collide, Army Air Field, Las Vegas, NV -- 12
302. 1944 -- Mar 03, USAF B26’s Collide, ~ Barksdale Field, Shreveport, LA -- 12
303. 1944 -- Mar 05, USAF B24 Explodes/Cashes, Atlantic Ocean, off FL -- 12
304. 1944 -- Apr 11, US Navy War Eagles VP-16 Orion Crashes east of Columbus, NM -- 12
305. 1944 -- Apr 25, USAAF B-24’s Collide, near Yuma Army Air Field, AZ -- 12
306. 1944 -- May 30, USN PB4Y and F4F Collide, Palomar Mt., San Diego County, CA -- 12
307. 1944 -- July 19, USAF Consolidated Liberator Crash, Touchet, WA -- 12
308. 1944 -- Sep 17, Plane Crash, Liberal AA Field USAAF B-29, near Copeland, KS167 -- 12
309. 1944 -- Sep 24, USAF Douglas C-47 Crash, Camp Mackall, NC -- 12
310. 1944 -- Oct 15, USAF B-29 Crash, Alamogordo Army Air Base, NM -- 12
311. 1944 -- Oct 24, USAF B-17F Plane Crash, near Russell, KS -- 12

166 Cross-listed in Fog as a Contributing Factor.
167 Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Severity</th>
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<tr>
<td>1944</td>
<td>Oct 26, USAAF C-46A’s Collide, Reno Army Air Base, NV</td>
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<tr>
<td>1944</td>
<td>Nov 07, USN PB4Y-1 Liberator Plane Crash, off Fort Monroe, VA</td>
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<tr>
<td>1944</td>
<td>Dec 25, USAAF C-47A Plane Crash, Roundtop Mt. near Harrisburg, PA</td>
<td>--11-12</td>
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<tr>
<td>1945</td>
<td>Mar 10, USAAF B-24, Atlantic near Montauk Point, Long Island, NY</td>
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<tr>
<td>1945</td>
<td>Apr 01, USAAF B-29 Fire/Crash, near Alamogordo, NM</td>
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<tr>
<td>1945</td>
<td>Jun 30, USAAF B-29 (44-69943) Crash, Guadalupe Peak, TX</td>
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<tr>
<td>1945</td>
<td>Sep 01, USAAF B-24J takeoff crash, near Hondo Army Air Field, TX</td>
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<tr>
<td>1946</td>
<td>June 12, USAAF B29 Crash/Fire, Collins Gap, near Clingman’s Dome, TN</td>
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<tr>
<td>1946</td>
<td>Aug 01, Plane Crash, USN PB4Y-2 Privateer, ~Camp Kearny MAAS, CA</td>
<td>--11-12</td>
<td>12</td>
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<tr>
<td>1947</td>
<td>Jan 27, USAF B-29 Superfortress Crash, Kirtland Field, NM</td>
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<td>1947</td>
<td>June 14 USAF B-29 Plane Crash, Hawks Mountain, VT</td>
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<td>1947</td>
<td>Dec 16, USAF B-29 Crash after Davis-Monthan takeoff, near Tucson, AZ</td>
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<td>1948</td>
<td>Jan 27, USAF C-47 Crash (dependants), Snowstorm, Cheval Blanc Mt., France</td>
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<td>1948</td>
<td>May 09, USN PBY-6A Catalina Plane Lost, San Juan, PR to Key West, FL</td>
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<td>1948</td>
<td>Nov 03, US Navy PB4Y-2 Plane Crash, 10M off Port Moller, Kodiak AK</td>
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<tr>
<td>1950</td>
<td>Mar 23, USAF B-50 In-Flight Explosion, near Hyder, AZ</td>
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<td>1951</td>
<td>Aug 12, USAF Consolidated Privateer Crash, Amak Island, AK</td>
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<td>1951</td>
<td>Oct 15, USAF C-97 Lost, North Atlantic, Azores to Westover AFB, MA</td>
<td>--11-12</td>
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<tr>
<td>1952</td>
<td>Mar 26, USAF Planes Crash, Davis-Monthan AFB, AZ; Albuquerque, NM</td>
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<tr>
<td>1952</td>
<td>Apr 09, USAF F-94 &amp; C-47, Planes Collide, Camp Edwards, MA</td>
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<tr>
<td>1952</td>
<td>Jun 13, Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan168</td>
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<tr>
<td>1953</td>
<td>Jan 13, USAF B-50 SAC Bomber Plane Crash, near Gridley, CA</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1953</td>
<td>July 02, USAF Martin Mariner Crash, Adak, AK</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1955</td>
<td>Jan 01, USAF Douglas C47 Crash, near Skwentna Airport, Anchorage AK</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1956</td>
<td>Sep 24, USAF C-47 Crash, Mount Yale, near Buena Vista, CO</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1957</td>
<td>Jan 17, USAF Weather B-50 Takeoff Plane Crash, near Eielson AFB, AK</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1958</td>
<td>May 20, Planes Collide, Capital Air &amp; MD Air NG, Brunswick, MD</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1959</td>
<td>Feb 04, USAF Weather B-50 Crash, out of and off Kindley US AFB, Bermuda</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1964</td>
<td>Oct 27, USN Plane Crash into Commissary, El Centro NAS, CA</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1964</td>
<td>Nov 27, USN Lockheed P-2V Neptune Crash, Cape Newenham, AK</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1966</td>
<td>May 18, USAF KC-135 Stratotanker takeoff Crash, Kadena AB, Okinawa</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1968</td>
<td>Apr 01, USN P3B Coastal Surveillance Shot Down, Gulf of Thailand169</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1969</td>
<td>Mar 08, USAF C130 Crash short of runway, Ching Chuan Kang AB, Taiwan</td>
<td>--</td>
<td>12</td>
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<tr>
<td>2016</td>
<td>Jan 14, Aviation, Two Marine Helicopters Crash off Haleiwa, Oahu, HI</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1938</td>
<td>Feb 02, USN PBY-2 Bombers Collide off Coast of Southern CA</td>
<td>--</td>
<td>11</td>
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<tr>
<td>1938</td>
<td>Mar 30, War games, 2 USN Consolidated patrol bombers crash, off Oahu, HI</td>
<td>--</td>
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168 Cross-listed in Violence (Attack).
169 Cross-listed in Violence (Attack)
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Notes</th>
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<tbody>
<tr>
<td>1939</td>
<td>Aug 11</td>
<td>Two USAAF Plane Crashes</td>
<td>Langley Field VA, Miramar CA</td>
<td>9, 2</td>
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<tr>
<td>1941</td>
<td>Jan 04</td>
<td>USN Transport R2D-1 Landing Crash</td>
<td>San Diego, CA</td>
<td>11</td>
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<tr>
<td>1941</td>
<td>Dec 30</td>
<td>3 USAAF Planes Crash</td>
<td>CA</td>
<td>~Allensworth, Keller Peak, Oakland</td>
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<tr>
<td>1942</td>
<td>Mar 18</td>
<td>Eleven USAAF Planes Crash</td>
<td>CA (5), OH (4), TX, WV</td>
<td>11</td>
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<tr>
<td>1942</td>
<td>Nov 11</td>
<td>USN Patrol Plane (Banana River NAS) Crash</td>
<td>5M off Melbourne FL</td>
<td>9-11</td>
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<tr>
<td>1942</td>
<td>Oct 03</td>
<td>USN Sikorsky Flying Boat Excalibur Crashes</td>
<td>Botwood, NFLD, Can.</td>
<td>--</td>
</tr>
<tr>
<td>1942</td>
<td>Oct 17</td>
<td>USAAF B-17 Crash</td>
<td>Sierra Grande Mts., NM</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Jan 06</td>
<td>USAAF B-24 Crash</td>
<td>White City, KS</td>
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<tr>
<td>1943</td>
<td>Jan 17</td>
<td>USAAF B-24 Crash</td>
<td>Alamogordo, NM</td>
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<tr>
<td>1943</td>
<td>Jan 18</td>
<td>USAAF B-24 Crash</td>
<td>Bassett Peak, AZ</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Jan 24</td>
<td>USAAF B-24 Crash</td>
<td>White Sands Nat. Monument, NM</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Jan 31</td>
<td>USAAF Consolidated Liberator Crash</td>
<td>Tucson, AZ</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Feb 28</td>
<td>USAAF B-26 Bombers (2) Mid-Air Collision</td>
<td>Avon Park, FL</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Mar 27</td>
<td>USAAF C-47 explosion, structural failure, crash</td>
<td>Oliver Springs, TN</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Mar 29</td>
<td>USAAF B-17 42-5313 Crash</td>
<td>Ephrata AFB, WA</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Apr 15</td>
<td>USAAF Crash</td>
<td>Buckingham Army AF, Fort Myers, FL</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>May 07</td>
<td>USAAF B-17F Plane Crash</td>
<td>Army Air Base, Dalhart, TX</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>May 22</td>
<td>USAAF B-17 Crash</td>
<td>Army Air Base, Rapid City, SD</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>May 31</td>
<td>USAAF C-67 Plane Crash</td>
<td>Smith Creek Valley, NV</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>June 13</td>
<td>Two USAAF B-17F Bombers Collide</td>
<td>near Fedora, SD</td>
<td>10-11</td>
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<tr>
<td>1943</td>
<td>July 02</td>
<td>USN VF-5 Plane Crash</td>
<td>Table Top Mts., NAS Dutch Harbor, AK</td>
<td>10-11</td>
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<tr>
<td>1943</td>
<td>July 07</td>
<td>USN PB4Y1 Liberator Plane Crash</td>
<td>off NAS Barbers Pt., Oahu, HI</td>
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<tr>
<td>1943</td>
<td>July 15</td>
<td>USAAF B24D sea crash at end of runway</td>
<td>Castle Harbour, Bermuda</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>July 19</td>
<td>USAFF B-24E Crash</td>
<td>Taylor Canyon, 27 mi NE of Gunnison, CO</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>July 28</td>
<td>USAAF B-24E Crash</td>
<td>12 mi. N Biggs Field, El Paso, TX</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Aug 09</td>
<td>U.S. Navy bomber Crashes into bus</td>
<td>Pearl Harbor Navy Yard, HI</td>
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<tr>
<td>1943</td>
<td>Aug 14</td>
<td>USAAF B-24E Plane Crash</td>
<td>Shoshone Nat. Forest, ~Dubois, WY</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Aug 14</td>
<td>USAAF B-24E Plane Crash</td>
<td>near Ellsworth, KS</td>
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<tr>
<td>1943</td>
<td>Aug 24</td>
<td>USAAF B-17 Crash</td>
<td>Gibson Ranch, near Dovetale &amp; Winnett, MT</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Sep 05</td>
<td>USAAF Skytrooper Crash</td>
<td>near Sedalia, MO</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Sep 22</td>
<td>USAAF B-24D Plane Crash</td>
<td>near Waldo, KS</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Sep 28</td>
<td>USAAF B-24H Plane Crash</td>
<td>near Fountain, CO</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Sep 30</td>
<td>USAAF B-24H, Plane Crash</td>
<td>near Villa Santa Maria Del Norte, CO</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Oct 03</td>
<td>USAAF B-17F Crash</td>
<td>Army Air Field, Brooksville, FL</td>
<td>11</td>
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<tr>
<td>1943</td>
<td>Nov 25</td>
<td>USAAF B-24E’s Collide</td>
<td>~Army Air Field, Liberal, KS</td>
<td>11</td>
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<tr>
<td>1944</td>
<td>Mar 15</td>
<td>USAAF Bomber Crashes</td>
<td>Bull Mountain, ~Stuart, southwest VA</td>
<td>11</td>
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<tr>
<td>1944</td>
<td>Apr 07</td>
<td>USAAF B-24H Lost</td>
<td>Atlantic Ocean, off coast of MA</td>
<td>11</td>
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<tr>
<td>1944</td>
<td>Apr 24</td>
<td>USAAF B-17G Crash</td>
<td>near Ardmore Army Air Field, OK</td>
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<tr>
<td>1944</td>
<td>May 26</td>
<td>USAAF B-17G Plane Crash</td>
<td>Ronald Horn farm, near Anthon, IA</td>
<td>10-11</td>
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<tr>
<td>1944</td>
<td>May 30</td>
<td>USN PB4Y1 Liberator Emer. Lndg. Crash</td>
<td>NAAS Chincoteague, VA</td>
<td>11</td>
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<tr>
<td>1944</td>
<td>July 2</td>
<td>USAAF B-29 Breaks-up/Storm/Crashes</td>
<td>near Harmon, OK</td>
<td>11</td>
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<tr>
<td>1944</td>
<td>Sep 27</td>
<td>USAAF RB-24E Plane Crash</td>
<td>near San Jon and Tucumcari, NM</td>
<td>11</td>
</tr>
</tbody>
</table>
Military Craft--Aviation Disasters Subset of Aviation List (Cont.)

391. 1944 -- Oct 24, USAAF B-29 Crash, near Barksdale Field, Shreveport, LA  --  11
392. 1944 -- Nov 13, USAAF C-47 Crashes near Army Air Base, Casper, WY  --  11
393. 1944 -- Nov 18, USAAF B-24J Plane Crash, ~ March Field, Riverside, CA  --  11
394. 1944 -- Dec 27, USAAF B-24J Plane Crash, near Mattituck, Long Island, NY  --  11

Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.
430. 1973 -- Feb 07, Navy Corsair II Plane Crash/Apartment Bldg., Fire, Alameda, CA
431. 1982 -- April 2, US Navy transport plane crash, Mediterranean island of Crete
432. 1986 -- Apr 02, USAF Hercules C-130 Plane Crash, Magdalena, NM
435. 2015 -- Mar 10, U.S. Army Blackhawk Helicopter Crash, Gulf off Navarre Beach, FL

Military Craft – Aviation Disasters Subset of Aviation List (Cont.)

436. 1942 -- Jan 17, 3 USAAF Crashes, Riverside CA, Pendleton Field OR, Curtis Field TX
437. 1942 -- Feb 4, USAAF Planes Crash, Lake Tahoe NV, Brooks Field TX, Trinity Ctr CA
438. 1942 -- Mar 15, USAAF B-17 Flies into Mountain near Pendleton, OR
439. 1942 -- Apr 05, USAAF B-17 Flying Fortress Plane Crash, Oahu, HI
440. 1942 -- Apr 16, Two USAAF Planes Crash, Chesapeake Bay; MacDill Field, FL
441. 1942 -- May 06, USAAF B-17 Disappears, Training Flight, Gulf of Mexico
442. 1942 -- May 15, Four USAAF Crashes, CA (2), ~Wendover Field, UT, ~Mason, TX
443. 1942 -- June 01, Planes Crash, Two USAAF (MD and PA) and one US Navy (CA)
444. 1942 -- June 05, USN PBY-5A Plane Lost, NAS Pensacola to Gulf of Mexico
445. 1942 -- July 18, USAAF B-17 Crash, North Reading, MA
446. 1942 -- July 30, USAAF C-73 Takeoff Crash, Minneapolis, MN
447. 1942 -- Sep 11, USAAF B-24 Crash, Mt. Baldy, AZ
448. 1942 -- Nov 30, USAAF B-17 Crash, near Sioux City, IA
449. 1942 -- Dec 02, USAAF B-17 Crash near Grace, ID
450. 1943 -- Jan 06, USAAF B-24 Crash, Madill, OK
451. 1943 -- Jan 02, USAAF B-17 Crash, Elko, NV
452. 1943 -- Jan 12, USAAF B-24 Crash, Alamogordo, NM
453. 1943 -- Jan 15, USAAF B-17 Crash, Gowen Field, ID
454. 1943 -- Jan 24, USAAF B-24 Crash, Ruidoso, NM
455. 1943 -- Jan 24, USAAF B-17 Crash, near Ordway, CO
456. 1943 -- Jan 26, USAAF B-23 Dragon Crash, Flomaton, AL
457. 1943 -- Feb 11, USAAF Bomber Crash, Near Walla Walla, WA
458. 1943 -- Feb 25, USAAF B-17 Crash, near Glenrock, WY
459. 1943 -- Feb 26, USAAF B-17 Crash, Biggs Field, El Paso, TX
460. 1943 -- Mar 22, USAAF Plane Crash, Army Air Field, Harlingen, TX
461. 1943 -- Apr 12, USAAF Plane Crash, near Davis-Monthan Field, Tucson, AZ
462. 1943 -- Apr 21, USAAF B-24 Crash, approx. 210 miles off Virginia Beach, VA
463. 1943 -- Apr 21, USAAF C-69A Crash, Evansville Municipal Airport, IN
464. 1943 -- Apr 26, USAAF B-24D Crash, near Ballinger, TX
465. 1943 -- Apr 29, USAAF B-24 Lost, Hamilton Field, CA to Hickam Field, HI
466. 1943 -- May 16, USAAF B-17’s Collide/Runway, Ephrata Army AB, WA
467. 1943 -- May 23, USAAF B-17F Crash, Yellowstone National Park, MT
468. 1943 -- May 29, USAAF B-24 Plane Lost, Pacific Ocean off Coast of CA
469. 1943 -- June 28/29, USAAF Plane Crash, Big Horn Mts., Cloud Peak, WY

171 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.

172 Patuxent Airways was operating at the time under Department of Defense contract, carrying Navy personnel.
1943 -- June 29, USAAF B-24E Crash, Alamogordo Army Air Base, NM
1943 -- July 03, USAAF B-17F Plane Crash, White City, KS
1943 -- July 21, USAAF B-26C’s Collide, near Parrish, FL
1943 -- Aug 1, US Army Air Force CG-4 Glider Demo Flight Crash, St. Louis, MO
1943 -- Aug 12, USAAF B-24A Plane Crash, near Indio, CA
1943 -- Aug 16, USAAF B-24E Plane Crash, near Pueblo, CO
1943 -- Aug 16, USAAF B-24E Plane Crash, Gowen Field, Boise, ID
1943 -- Aug 18, USAAF B24 Crash, Gulf of Mex., off Corpus Christi, TX
1943 -- Aug 27, USAAF B-24 Crash, Cheyenne Mt., near Peterson Field, CO
1943 -- Aug 29, USAAF B-24E Plane Crash, near Wendover Field, UT
1943 -- Sep 01, USAAF B-17F Explosion/Crash, near Fort Benton, MT
1943 -- Sep 02, USAAF B-24E Crash, near Army Air Base, Sioux City, IA
1943 -- Sep 05, USAAF B-17F Plane Crash, Lake Cormorant, MS
1943 -- Sep 06, USAAF B-17F Plane Crash, near Rapid City, SD
1943 -- Oct 01, USAAF B-24D Plane Crash, Elk, CA
1943 -- Oct 04, USAAF B-24D Crash, Army Air Base, Blythe, CA
1943 -- Oct 06, USAAF B-24D Lost, Pacific Ocean off northern CA/OR
1943 -- Oct 14, USAAF B-24D Plane Crash, Neighbours, CA
1943 -- Oct 15, USAAF B-24E Crash, near Army Air Base, Blythe, CA
1943 -- Oct 24, USAAF Crash, Smokey Hill Army Air Field, Salina, KS
1943 -- Oct 29, USAAF B-24E Crash, Cucamonga Peak, Fontana, CA
1943 -- Nov 03, USAAF B-24J Plane Crash, near Pueblo, CO
1943 -- Nov 19, USAAF B-17F Crash, near Thonotosassa, FL
1943 -- Dec 04, B-24 Bomber Crash, near Elverson, PA (near Reading, PA)
1943 -- Dec 13, USAAF B-17F Plane Crash, near Rosebud, SD

Military Craft – Aviation Disasters Subset of Aviation List (Cont.)

1944 -- Jan 03, USAAF B-24J Plane Crash, 25 miles SE of Muroc, CA
1944 -- Jan 13, USAAF B-17 Crash, near Army Air Field, Fort Worth, TX
1944 -- Jan 22, USAAF Collision, Gulf of Mexico, near Little Marco Pass, FL
1944 -- Jan 24, USAAF C-60 & AT-7 Collide, near Farmersville, LA
1944 -- Feb 12, Two USAAF B-17’s Collide, one Crashes, Mill Creek, OK
1944 -- Feb 23, USN North Amer. PBJ-1D Mitchell Bombers Collide ~Bern, NC
1944 -- Feb 26, USAF, B-24E Plane Lost, Atlantic Ocean, off SE Coast
1944 -- Feb 26, USAAF B-17 Plane Crash, near Palmer Lake, CO
1944 -- Mar 06, USAF B17G Plane Crash, near Maxwell, IA
1944 -- Mar 18, USAAF B24H Crash, near Davis-Monthan Field, Tucson AZ
1944 -- Mar 20, USAAF RB-24E Crash, near Biggs Field, El Paso, TX
1944 -- Mar 26, USAF, B-24 Crash, near Naval Air Station, Melbourne, FL
1944 -- Apr 09, USAAF B-24D Crash, near USMC Air Station, Mojave, CA
1944 -- Apr 24, USAAF B-24H Plane Crash, near Epsom, NH
1944 -- Apr 29, USAAF RB-24E Liberator Bomber Plane Crash, near Merna, NE
1944 -- May 05 USAAF Crash, out of Hickam Field HI, Aiea Ridge, Oahu, HI
1944 -- May 10, USAAF Plane Crash, near Biggs Field, El Paso, TX
1944 -- May 16, USN Dirigible Airship K-5 Crash, Lakehurst NAS, NJ
Military Craft – Aviation Disasters Subset of Aviation List (Cont.)

513. 1944 -- May 18, USAAF B-17 Crash, near Rapid City Army Air Base, SD
514. 1944 -- May 27, USAAF B-24J Crash, Westover Field, Chicopee, MA
515. 1944 -- May 29, USAAF B-17G Plane Crash, near Ridgely, TN
516. 1944 -- June 07, USAAF B-24J Plane Crash, near Chappell, NE
517. 1944 -- June 13, USAAF B-24E Bomber Crash, Green Knob Mt., near Asheville, NC
518. 1944 -- June 20, USAAF B-24J Lost, Atlantic Ocean, off Southeast Coast
519. 1944 -- June 22, USAAF B-24J Crash, near Walla Walls Army Air Field, WA
520. 1944 -- June 29, USAAF B-24D Plane Crash, near Tobe, CO
521. 1944 -- June 30, USAAF B-24J Plane Lost, off Myrtle Beach, SC
522. 1944 -- July 04, USAAF B-24J Planes Collide, near Palm Springs, CA
523. 1944 -- July 11, USAAF B-17G Crash, Deer Mountain near Rangeley, ME
524. 1944 -- July 20, USAAF B-17F’s Collide, Brooksville, FL
525. 1944 -- July 20, USAAF B-24’s Collide, near Roswell, NM
526. 1944 -- July 23, USAAF B-24J Fire/Crash, near Chatham Field, Savannah GA
527. 1944 -- July 25, USAAF B-24 Crash, San Pablo Bay, near San Rafael, CA
528. 1944 -- July 30, USAAF B-17 Breaks-up/Crashes, 6M from St. Marks, FL
529. 1944 -- Aug 09, USAAF B-24J Plane Fire/Crash, near Kiowa, CO
530. 1944 -- Aug 21, USAAF YB-29 Plane Crash, 25M near Alamogordo, NM
531. 1944 -- Aug 27, USAAF B-17G Plane Crash, 20M near Bay St. Louis, MS
532. 1944 -- Sep 01, USAAF B-24J Plane Crash, near Muroc Army Air Field, CA
533. 1944 -- Sep 29, USN PBM-3D Crash, Southeast of Palau Island, West Central Pacific
534. 1944 -- Oct 17, USAAF B-24J Plane Crash, 12M NE of Ukiah, OR
535. 1944 -- Oct 29, USAAF B-17F Crash, near Chatham Field, Savannah, GA
536. 1944 -- Nov 29, USAAF B-24 Liberator Plane Crash, Middle Mt., Nottingham, NH
537. 1944 -- Dec 08, USAAF AT-18 Planes Collide, Sioux Falls AAF, SD
538. 1944 -- Dec 22, USAAF B-24 Crash, Mt. Gleason, La Crescenta, CA
539. 1944 -- Dec 29, USAAF B-24J Plane Break-up/Crash, near Meridian, ID
540. 1944 -- Dec 30, USAAF B-29 Plane Fire/Crash, near Walker AAF, KS

541. 1945 -- Jan 20, USAAF B-24J Crash, near Muroc Army Air Field, CA
542. 1945 -- Jan 26, USAAF B-17G Crash, near Hendricks Field, Sebring, FL
543. 1945 -- Feb 12, USAAF B-24D Plane Crash, near Troy, OR
544. 1945 -- Mar 03, USAAF B-17F Plane Crash, near Winnfield, LA
545. 1945 -- Mar 05, USAAF B-24D, Crash, near Mountain Home AAF, ID
546. 1945 -- Apr 08, USAAF TB-17F Plane Crash, near Tellico Plains, TN
547. 1945 -- Apr 16, USAAF AT-11’s Collide, near Big Spring, TX
548. 1945 -- Jun 11, USAAF B-29 Structural Failure/Crash near Rush Springs, OK
549. 1945 -- July 17, USAAF B-17F Crash, near Smoky Hill AAB, Salina, KS
550. 1945 -- Aug 22, USN PB4Y-2 Plane Crash into sea, Trng. Flight, off San Diego, CA
551. 1945 -- Sep 07, USAAF B-29 Fire/Crash, 4½ miles south, Wedowee, AL

552. 1946 -- Mar 07, USAF B-29 Superfortress Crash, Kirtland AAR, NM
553. 1947 -- Feb 22, U.S. Coast Guard PBM-5 Crashes in Mex. on way back to San Diego
554. 1947 -- Aug 16, USAF B17 Plane Crash 50 miles off Barbers Point, Kalaeloa, HI
555. 1948 -- Aug 5, USN Douglas R4D-6 and civilian Stearman Collide ~NAS Miami, FL -- 10
556. 1948 -- Dec 22, USAF B-50 Crash near Fairbanks, AK -- 10
557. 1949 -- Aug 31, US Navy Martin Mariner PBM-5 Crash, off San Diego, CA -- 10

Military Craft – Aviation Disasters Subset of Aviation List (Cont.)

558. 1950 -- Apr 08, USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area 173 -- 10
559. 1951 -- Jun 03, USAF Plane Crash, New Boston, TX -- 10
560. 1951 -- Aug 31, USAF Consol. Privateer Crash, Little Tanaga Island, AK -- 10
561. 1951 -- Nov 06, P2V-3W Shot Down by Soviet Aircraft, Sea of Japan -- 10
562. 1952 -- Mar 21, USAF Consolidated Privateer Crash, off Corpus Christi NAS, TX -- 10
563. 1952 -- Apr 1-10, Military Plane Crashes, Parachuting, “Exercise Longhorn,” TX -- 10
564. 1952 -- Apr 05, USAF B-29 weather plane crash, McClellan AFB, Sacramento, CA -- 10
565. 1952 -- Oct 26, USAF WB-29 lost, Typhoon, Anderson AFB, Guam to Philippines -- 10
566. 1953 -- Jan 28, USN PB4Y Privateer Plane Crash, Black Peak, WA -- 10
567. 1953 -- Mar 18, Plane Crash, USAF Superfortress, St. George’s Bay, NFL, Can. -- 10
568. 1954 -- Jan 04, US Navy P2V Neptune Bomber Lost, Yellow Sea, off Coast of Korea -- 10
569. 1954 -- Feb 05, USAF C-47 Crashes, Susitna Valley, AK -- 10
570. 1954 -- May 05, USN P5M Marlin Patrol Plane Crash, Sidewalk Mt., near Carricitos, Mexico -- 10
571. 1954 -- Dec 22, Johnson Flying Service Crash, Monongahela River, Pittsburgh, PA -- 10
572. 1955 -- June 29, USAF C-47 Transport Plane Crash, Sitkinak Island, AK -- 10
573. 1956 -- Nov 9, USN P5M Marlin Patrol Plane Lost no. of Bermuda, possibly off MD -- 10
574. 1956 -- Nov 30, USAF Boeing B-52 Crash, Merced, CA -- 10
576. 1957 -- July 23, USN P-2 Neptune Explosion, off Barbers Point Naval Air Sta., HI -- 10
577. 1957 -- Dec 09, Navy P5M Marlin Seaplane Explosion/Crash, Corpus Christi, TX -- 9-10
578. 1958 -- Jan 15 Anderson AFB, Guam USAF Weather WB50 Lost, Typhoon Ophelia -- 10
579. 1958 -- Sep 29, USN Neptune PV-2 Patrol Plane Crash, 22M no. of Key West, FL -- 10
580. 1959 -- May 20, USAF C-130 Hercules Plane Crash into Barracks, Ashiya AB, Japan -- 10

581. 1962 -- Sep 22, US Navy Martin Marlin P5M Crash, Montague Island, Gulf of AK -- 10
582. 1963 -- Sep 22, USAF C-133A Cargomaster Crash, Atlantic SE Dover AFB, DE -- 10
583. 1964 -- May 11, USN P2V Plane Crash, Atlantic, 25 mls SW of US AB Rota, Spain -- 10
584. 1964 -- Nov 17, USN P-3A Orion Landing Crash, Fog, USN Base, Argentia NFL 174 -- 10
585. 1968 -- Jul 28, USAF C-124A, GA Reserve, Crash, 50 miles NW of Recife, Brazil -- 10
587. 1971 -- Nov 12, USAF Lockheed C-130 Hercules Crash, Little Rock AFB, AR -- 10
588. 1973 -- Dec 11, USN Douglas R6D-1 Crash, Great Sitkin Island, AK -- 10
589. 1987 -- Oct 20, USAF A-7D Jet Crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN -- 10
591. 1996 -- Nov 22, USAF Hercules Engine Loss/Crash, Pacific ~Cape Mendocino, CA -- 10
593. 2017 -- Dec 31, plane crash, 2 C.R. pilots, 10 U.S. citizens, NW Costa Rica -- 10

173 Cross-listed in Violence – Attack.
174 Cross-listed in Fog as a Contributing Factor.
175 Cross-listed in Lightning.
Other:

1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
1948 -- Jan 30, USAF B-17 Crash, Cheval Blanc Mountain, Southern France -- 9
1954 -- Dec 29, Plane rear-door fails/crash, USAF C119, Shin Point ~New Hope, AL -- 9
1959 -- May 11, Plane Crash, USN P2V, Whidbey Island Naval Air Station, WA -- 9
1963 -- Dec 23, USAF B-52 Stratofortress Crash after takeoff, Columbus AFB, MS -- 9
1975 -- Jan 09, USAF T29D and Cessna 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 Crash, Presidential support mission, ~Jackson Hole, WY-- 9

1978 -- Sep 08, USAF C130 Crash into mountain, ~8 miles N of Little Rock AFB, AR-- 8
1982 -- Sep 11, USAF Chinook Crash, Airshow, ~Mannheim, Germany --46, U.S. 7-8
1986 -- Aug 29, USN CH-46 Helicopter Crash, Carrier USS Saipan off Bodo, Norway-- 8
1995 -- Apr 17, Plane Crash, USAAF C-21 Learjet, near Alexander City Airport, AL -- 8

1946 -- Aug 9, USAF A-26 Bombers Collide, No. Montana State Fair, Great Falls -- 7
1959 -- July 22, Plane Explosion and Crash, USAF KC-97, near East Andover, NH -- 7

1942 -- May 24, USAAF Transport Plane Crashes in swamp near Howe Brook, ME -- 6
1957 -- Apr 12, U.S. Navy Neptune VP26 Bomber Crashes, 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
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
1988 -- Jun 08, Air Nat. Guard C-130 Crash, touch-and-go-landing, Greenville, MS -- 6
1992 -- Oct 7, WV Air National Guard C-130 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, Plane Crash debris hits car, USAAF 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 and T-37 Planes Collide, NE of 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

176 One plane accounting for three of the deaths, was a US Army Beech U-21.
1921 -- Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico — 5
1. 1922 -- Feb 21, Dirigible Roma Crashes, Hampton Roads Naval Base, VA — 34
2. 1925 -- Sep 3, Navy Dirigible Shenandoah Crash, Noble County, OH — 14
3. 1933 -- Apr 04, Dirigible Crash, USS Akron (Navy ZRS-4), off Coast of NJ177 — 75
4. 1938 -- Feb 02, USN PBY-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 R2D-1 Landing Crash, San Diego, CA — 11
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
31. 1942 -- June 05, USN PBY-5A Plane Lost, NAS Pensacola to Gulf of Mexico — 10
32. 1942 -- June 08, USN Airships Collide, Defender/G-1, 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

177 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 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
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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
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\(^{178}\) --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

\(^{178}\) Though the Boeing employees were civilians, they were under contract to the military for a military bomber.
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179 Cross-listed under Fog as contributing condition.
180 Cross-listed in Fog as a Contributing Factor.
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<td>Crash, USAAF B-24, Atlantic off West Palm Beach, FL</td>
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<td>Oct 29, 1943</td>
<td>USAAF C-47 Crashes at Hoffman-Mackall AAF, NC</td>
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<td>Nov 3, 1943</td>
<td>USAAF B-24J Plane Crash, near Pueblo, CO</td>
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<td>Nov 18, 1943</td>
<td>USAAF B-24J Plane Crash, near Melrose, NM</td>
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<td>Nov 18, 1943</td>
<td>USN Transport Plane Crash, 30 miles E of Rio De Janeiro, Brazil-17 of 18</td>
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<td>USAAF B-17F Crash, near Thonotosassa, FL</td>
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<td>USAAF B-24E’s Collide, ~ Army Air Field, Liberal, KS</td>
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<td>Dec 4, 1943</td>
<td>B-24 Bomber Crash, near Elverson, PA (near Reading, PA)</td>
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<td>Dec 7, 1943</td>
<td>Navy planes collide, bomb falls, Marines on ground die, Maui, HI</td>
<td>20-22</td>
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181 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, 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
189. 1944 -- Apr 19, USN Airship K-133, Houma NAS, LA, downs in T-storm, Gulf of MX-- 9
190. 1944 -- Apr 24, USAAF B-24H Plane Crash, near Epsom, NH -- 10
191. 1944 -- Apr 24, USAAF B-17G Crash, near Ardmore Army Air Field, OK -- 11
192. 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 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, ME182 -- 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

182 Cross-listed under Fog as contributing condition.
231. 1944 -- Aug 27, USAAF B-17G Plane Crash, 20M near Bay St. Louis, MS -- 10

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, Plane Crash, Liberal AA Field USAAF B-29, near Copeland, KS 183 -- 12
235. 1944 -- Sep 18, USAAF Douglas C-47 Crash, Denali State Park, ~Talkeetna, AK -- 19
236. 1944 -- Sep 24, USAAF 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 Crash, Alamogordo Army Air Base, NM -- 12
241. 1944 -- Oct 17, USAAF B-24J Plane Crash, 12M NE of Ukiah, OR -- 10
243. 1944 -- Oct 24, USAAF B-17F Plane Crash, near Russell, KS -- 12
244. 1944 -- Oct 24, USAAF B-29 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 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 Crashes 50 mi. off Oahu, HI -- 17
253. 1944 -- Nov 13, USAAF C-47 Crashes near Army Air Base, Casper, WY -- 11
254. 1944 -- Nov 18, USAAF B-24J Plane Crash, ~March Field, Riverside, CA -- 11
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 ~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 08, USAAF AT-18 Planes Collide, Sioux Falls AAF, SD -- 10
260. 1944 -- Dec 22, USAAF B-24 Crash, Mt. Gleason, La Crescenta, CA -- 10
261. 1944 -- Dec 25, USAAF C-47 Plane Crash, Black Mesa Mt., Quartzsite, AZ -- 17
262. 1944 -- Dec 25, USAAF C-47A Plane Crash, Roundtop Mt. near Harrisburg, PA --11-12
263. 1944 -- Dec 27, USAAF B-24J Plane Crash, near Mattituck, Long Island, NY -- 11
264. 1944 -- Dec 29, USAAF B-24J Plane Break-up/Crash, near Meridian, ID -- 10
265. 1944 -- Dec 30, USAAF B-29 Plane Fire/Crash, near Walker AAF, KS -- 10

266. 1945 -- Jan 09, USAAF B-24 Breakup/Crash ~Chatham Field, Savannah, GA -- 11
267. 1945 -- Jan 09, USAAF B-29 Plane Lost, Atlantic, off Southeast Coast -- 16
268. 1945 -- Jan 17, USAAF B-17F Plane Fire/Crash, near Bay Minette, AL -- 11

183 Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.
269. 1945 -- Jan 20, USAAF B-24J Crash, near Muroc Army Air Field, CA -- 10
270. 1945 -- Jan 24, USAAF B-17F's Collide, near Dyersburg, TN -- 16
271. 1945 -- Jan 26, USN PB4Y-1 Liberator Landing Crash, ~NAAS Jacksonville, FL -- 11
272. 1945 -- Jan 26, USAAF B-17G Crash, near Hendricks Field, Sebring, FL -- 10

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

273. 1945 -- Feb 02, Florence to Rome USAAF C-47 Crash, 3 mls W of Montieri, Italy -- 23
274. 1945 -- Feb 09, USAAF B-24D Plane Crash, near Denio, OR -- 11
275. 1945 -- Feb 12, USAAF B-24D Plane Crash, near Troy, OR -- 10
276. 1945 -- Feb 13, USN Air Transport Service crash after takeoff, San Fran. Bay, CA -- 24
277. 1945 -- Mar 03, USAAF B-17F Plane Crash, near Winnfield, LA -- 10
278. 1945 -- Mar 06, USAAF B-24D, Crash, near Mountain Home AAF, ID -- 10
279. 1945 -- Mar 10, USAAF B-24, Atlantic near Montauk Point, Long Island, NY -- 12
280. 1945 -- Mar 10, USN Plane Lost, Trng. Flight, NAS Jacksonville FL to Bahamas -- 14
281. 1945 -- Apr 01, USAAF B-29 Fire/Crash, near Alamogordo, NM -- 12
282. 1945 -- Apr 08, USAAF TB-17F Plane Crash, near Tellico Plains, TN -- 10
283. 1945 -- Apr 11, USAAF TB-17F Plane Collision, near Jackson AAB, MS -- 14
284. 1945 -- Apr 11, USAAF B-24J Crash, Atlantic, off Charleston, SC -- 11
285. 1945 -- Apr 16, USAAF AT-11’s Collide, near Big Spring, TX -- 10
287. 1945 -- Apr 20, USAAF C-47 Breakup/Crash, Thunderstorm, near Sweetwater, TX -- 25
288. 1945 -- Apr 24, USAAF B-29 Fire/Crash, Gulf of Mexico, off Key West, FL -- 11
289. 1945 -- Apr 27, USAAF C-46D Plane Crash, near Claude, TX -- 11

290. 1945 -- May 06, Two USAAF B-17s Collide, ~ Esler Field, Alexandria, LA -- 18
291. 1945 -- May 12, USAAF B-24M Plane Crash, 30M near Fort Bragg, CA -- 11
292. 1945 -- May 13, USAAF “Shangra-La” Sightseeing Plane Crash, Mt., New Guinea -- 21
293. 1945 -- May 27, Plane Crash debris hits car, USAAF Show, Wright Field, Dayton, OH -- 5

293. 1945 -- June 11, USAAF B-29 Structural Failure/Crash near Rush Springs, OK -- 10
294. 1945 -- June 14, Lightning-hit Plane Crash, USAAF C-46D, near Oakridge, MS \textsuperscript{184} -- 17
295. 1945 -- June 30, USAAF TB-24J Crash, Las Vegas Field, Las Vegas, NV -- 11
296. 1945 -- June 30, USAAF B-29 (44-69943) Crash, Guadalupe Peak, TX -- 12

297. 1945 -- July 08 USAAF B-29 Structural Failure/Crash, near Pueblo AAB, CO -- 13
298. 1945 -- July 13, USAAF B24 Crash, 25M from Tyndall Field, Panama City FL -- 13
299. 1945 -- July 14, USAAF B-29 Crash, Kirtland Field, Albuquerque, NM -- 13
300. 1945 -- July 14, USAAF TB-25C Plane Crash, 1 mile NW of Weldon, TX -- 11
301. 1945 -- July 17, USAAF B-17F Crash, near Smoky Hill AAB, Salina, KS -- 10
302. 1945 -- July 18, USN PB4Y-2 Privateer Plane Missing, out of NAS Miami, FL -- 15-17
303. 1945 -- July 22, USAAF B-24M Crash, James River, ~Newport News, VA -- 11
304. 1945 -- July 25, USAAF C-47B Crash, Th-Storm, 13M near Tampa, FL -- 13

\textsuperscript{184} Cross-listed under Lightning.
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<th>Year</th>
<th>Month</th>
<th>Incident Description</th>
<th>U.S. Forces</th>
<th>Location</th>
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<td>1945</td>
<td>July 28</td>
<td>B-25 Bomber Flies into Empire State Building in Fog, NYC</td>
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<td>1945</td>
<td>Aug 13</td>
<td>Two USAAF B-29s Collide, near Weatherford, TX</td>
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<td>1945</td>
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<td>USAAF TB-24D Crash near Buckingham Field, Ft. Myers, FL</td>
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<td>1945</td>
<td>Aug 22</td>
<td>USN PB4Y-2 Plane Crash into sea, Trng. Flight, off San Diego, CA</td>
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<td>1945</td>
<td>Aug 25</td>
<td>USAAF B-24J Plane Crash, 17 miles NNW of Elgin, OR</td>
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<tr>
<td>1945</td>
<td>Sep 01</td>
<td>USAAF B-24J takeoff crash, near Hondo Army Air Field, TX</td>
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<td>1945</td>
<td>Sep 07</td>
<td>USAAF B-29 Fire/Crash, 4½ miles south, Wedowee, AL</td>
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<td>1945</td>
<td>Sep 10</td>
<td>B-24 Liberator with freed POWs crashes, Taitung, Taiwan</td>
<td>16 US of 25</td>
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<tr>
<td>1945</td>
<td>Sep 12</td>
<td>USN PB4Y-2 Privateer Engine Fire, Crash, ~Master Field, Miami, FL</td>
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<td>1945</td>
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<td>USAAF C-47B takeoff crash (from Fairfax Field, Kansas City, KS), MO</td>
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<tr>
<td>1945</td>
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<td>USAAF TB-24J Fire/Crash, near Hondo AAF, TX</td>
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<td>1945</td>
<td>Oct 30</td>
<td>USAAF C-47 transport Crash into mountain near Cuneo, Italy</td>
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<tr>
<td>1945</td>
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<td>US Navy Transport Plane Crash, heavy fog, Rich Mt., ~Mena, AR</td>
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<td>1945</td>
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<td>USAAF C-47 Plane Crash ~Bad Herrenalb and Karlsruhe, Germany</td>
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<td>1945</td>
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<td>Consolidated Air, Army Transport Com., sea crash, 450 mi NE of HI</td>
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<td>1945</td>
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<td>USAAF C-54 Crash, Himalayan Mountains, near Chukha, Bhutan</td>
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<td>1945</td>
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<td>US Navy Mid-Air Collision, Corpus Christi Bay, TX</td>
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<td>1946</td>
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<td>USAAF B-29 Crash/Fire, Collins Gap, near Clingman’s Dome, TN</td>
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<td>1946</td>
<td>Mar 07</td>
<td>USAF B-29 Superfortress Crash, Kirtland AAR, NM</td>
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<td>1946</td>
<td>May 10</td>
<td>US Air Force DC-4 Crash, Tobago Island, Panama</td>
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<td>1946</td>
<td>Dec 16</td>
<td>US Marine Corps Transport Goes Missing, South WA</td>
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<td>1947</td>
<td>Jan 27</td>
<td>USAF B-29 Superfortress Crash, Kirtland Field, NM</td>
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185 Cross listed in Fog as contributing condition.
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<th>Year</th>
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<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
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<tr>
<td>1947</td>
<td>Feb 22</td>
<td>U.S. Coast Guard PBM-5 Crashes in Mex. on way back to San Diego</td>
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<td>10</td>
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<tr>
<td>1947</td>
<td>Apr 19</td>
<td>USAF B-29 Fire/Explos./Crash, off Kwajalein Isl., Marshall Islands</td>
<td>-</td>
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<tr>
<td>1947</td>
<td>June 14</td>
<td>USAAF B-29 Plane Crash, Hawks Mountain, VT</td>
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<tr>
<td>1947</td>
<td>Aug 06</td>
<td>US Navy PBY-5A disappears, Kodiak to Dutch Harbor, AK</td>
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<td>20</td>
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<tr>
<td>1947</td>
<td>Aug 16</td>
<td>USAF B17 Plane Crash 50 miles off Barbers Point, Kalaefoa, HI</td>
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<td>10</td>
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<tr>
<td>1947</td>
<td>Nov 28</td>
<td>USAF C-47 Transport Plane Crash, Mt. Carbone, Alps, ~Cuneo, Italy</td>
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<td>20</td>
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<tr>
<td>1947</td>
<td>Dec 10</td>
<td>U.S. Air Force DC-4, Crash and Fire, near Goose Bay, Labrador</td>
<td>-</td>
<td>23</td>
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<tr>
<td>1947</td>
<td>Dec 16</td>
<td>USAF B-29 Crash after Davis-Monthan takeoff, near Tucson, AZ</td>
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<td>12</td>
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<tr>
<td>1948</td>
<td>Jan 27</td>
<td>USAF C-47 Crash (dependants), Snowstorm, Cheval Blanc Mt., France</td>
<td>-</td>
<td>12</td>
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<tr>
<td>1948</td>
<td>Jan 30</td>
<td>USAF B-17 Crash, Cheval Blanc Mountain, Southern France</td>
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<tr>
<td>1948</td>
<td>May 09</td>
<td>USN PBY-6A Catalina Plane Lost, San Juan, PR to Key West, FL</td>
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<tr>
<td>1948</td>
<td>Aug 5</td>
<td>USN Douglas R4D-6 and civilian Stearman Collide ~NAS Miami, FL</td>
<td>-</td>
<td>10</td>
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<tr>
<td>1948</td>
<td>Aug 12</td>
<td>USAF B-29 Plane Crash, near Walker Air Force Base, NM</td>
<td>-</td>
<td>13</td>
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<tr>
<td>1948</td>
<td>Aug 20</td>
<td>USAF B-29 Plane Crash, Rapid City Air Force Base, SD</td>
<td>-</td>
<td>14</td>
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<tr>
<td>1948</td>
<td>Aug 24</td>
<td>U.S. B29 Superfortress Plane takeoff Crash near Hickam AFB, HI</td>
<td>-</td>
<td>16</td>
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<tr>
<td>1948</td>
<td>Nov 01</td>
<td>USAF C-47 Plane Breakup and Crash, Thunderstorm, ~Muldrow, OK</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td>1948</td>
<td>Nov 03</td>
<td>US Navy PB4Y-2 Plane Crash, 10M off Port Moller, Kodiak AK</td>
<td>-</td>
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<tr>
<td>1948</td>
<td>Nov 03</td>
<td>USAF B-29 Bomber Crash after takeoff near Lajes Field, Azores</td>
<td>-</td>
<td>18-19</td>
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<tr>
<td>1948</td>
<td>Nov 03</td>
<td>USAF B-29 Bomber Crash, Shelf Moor, near Manchester, England</td>
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<tr>
<td>1948</td>
<td>Dec 22</td>
<td>USAF B-50 Crash near Fairbanks, AK</td>
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<tr>
<td>1949</td>
<td>Jan 17</td>
<td>USAF B-29 Crash, Argyllshire Mts. in fog, near Glasgow, Scotland</td>
<td>-</td>
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<tr>
<td>1949</td>
<td>July 30</td>
<td>Eastern Airlines #557 Hit by Navy Hellcat Aircraft, Chesterfield, NJ</td>
<td>-</td>
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<td>1949</td>
<td>Aug 31</td>
<td>US Navy Martin Mariner PBM-5 Crash, off San Diego, CA</td>
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<tr>
<td>1949</td>
<td>Oct 13</td>
<td>USAF B50, out of Sculthorpe AB, Crash ~Isleham England</td>
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<tr>
<td>1949</td>
<td>Nov 03</td>
<td>USAF RB-29 Weather Plane Crash, off Kindley US AFB, Bermuda</td>
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<td>1949</td>
<td>Nov 16</td>
<td>Two USAF B29s Collide over Stockton, CA</td>
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<tr>
<td>1949</td>
<td>Dec 22</td>
<td>USAF B50 Bomber Plane Crash, near Savannah, GA</td>
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<tr>
<td>1950</td>
<td>Jan 26</td>
<td>USAF SAC C-54 Transport Disappears, Yukon Territory, Canada</td>
<td>-</td>
<td>44</td>
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<tr>
<td>1950</td>
<td>Mar 23</td>
<td>USAF B-50 In-Flight Explosion, near Hyder, AZ</td>
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<tr>
<td>1950</td>
<td>Apr 08</td>
<td>USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area</td>
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<td>186 10</td>
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<tr>
<td>1950</td>
<td>Apr 11</td>
<td>USAF B-29 Crash, Manzano Nuc. Wpn. Storage ~Kirtland AFB NM</td>
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<tr>
<td>1950</td>
<td>Apr 21</td>
<td>USAF C-54 Skymaster Crash into Mt. in rainstorm near Atsugi, Japan</td>
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<td>1950</td>
<td>May 18</td>
<td>USAF B-29 Crash, Lajes Field, Azores</td>
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<tr>
<td>1950</td>
<td>July 13</td>
<td>In-Flight Fire/Crash USAF B-50, near Mason, OH</td>
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<tr>
<td>1950</td>
<td>July 23</td>
<td>Florida Air National Guard Curtis C-46 Crash, Myrtle Beach, SC</td>
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<tr>
<td>1950</td>
<td>Aug 05</td>
<td>USAF Boeing B-29 Crash, Travis Air Force Base, CA</td>
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<tr>
<td>1950</td>
<td>Nov 16</td>
<td>USAF KB29 Tanker and B-50 Collide/Crash ~Sil NAKya village, AZ</td>
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<td>1950</td>
<td>Dec 23</td>
<td>USN P2V Neptune Crash, McCreight Mt., Vancouver Isl., BC, Can.</td>
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186 Cross-listed in Violence – Attack.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event</th>
<th>Location</th>
<th>Cause</th>
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<tr>
<td>1951</td>
<td>Apr</td>
<td>WV National Guard Plane Crash, Charleston, WV</td>
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<td>1951</td>
<td>Apr</td>
<td>Cubana Flight 493/US Navy Plane Collide, off Key West, FL</td>
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<td>1951</td>
<td>Apr</td>
<td>USAF B-36 &amp; F-51 Planes Collide, NE of Perkins, OK</td>
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<td>1951</td>
<td>May</td>
<td>USAF Strategic Bomber Crash, Near Albuquerque, NM</td>
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<tr>
<td>1951</td>
<td>Jun</td>
<td>USAF Plane Crash, New Boston, TX</td>
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<tr>
<td>1951</td>
<td>July</td>
<td>US Military Charter, Canadian Pacific Air, Crashes near Sitka, AK</td>
<td>AK</td>
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<tr>
<td>1951</td>
<td>Aug</td>
<td>USAF Consolidated Privateer Crash, Amak Island, AK</td>
<td>AK</td>
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<tr>
<td>1951</td>
<td>Aug</td>
<td>Plane Crash, USAF B-50, Lester Apartments, Beacon Hill, WA</td>
<td>WA</td>
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<tr>
<td>1951</td>
<td>Aug</td>
<td>USAF Consol. Privateer Crash, Little Tanaga Island, AK</td>
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<tr>
<td>1951</td>
<td>Oct</td>
<td>USAF C-97 Lost, North Atlantic, Azores to Westover AFB, MA</td>
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<td>1952</td>
<td>Feb</td>
<td>USAF takeoff Crash, 5 miles N of Yokota US AB, Japan</td>
<td>Japan</td>
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<tr>
<td>1952</td>
<td>Mar</td>
<td>Two USAF B-29’s Collide, near Sequin and San Antonio, TX</td>
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<tr>
<td>1952</td>
<td>Mar</td>
<td>USAF Consolidated Privateer Crash, off Corpus Christi NAS, TX</td>
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<tr>
<td>1952</td>
<td>Mar</td>
<td>USAF Planes Crash, Davis-Monthan AFB, AZ; Albuquerque, NM</td>
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<td>1952</td>
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<td>Apr 1-10, Military Plane Crashes, Parachuting, “Exercise Longhorn,”</td>
<td>TX</td>
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<td>1952</td>
<td>Apr</td>
<td>Planes Collide, USAF Globemaster &amp; C-47, Mobile, AL</td>
<td>AL</td>
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<tr>
<td>1952</td>
<td>Apr</td>
<td>USAF B-29 weather plane crash, McClellan AFB, Sacramento, CA</td>
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<tr>
<td>1952</td>
<td>Apr</td>
<td>USAF B-25 Crash, Golden Peak, near Golden, CO</td>
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<tr>
<td>1952</td>
<td>Apr</td>
<td>USAF F-94 &amp; C-47, Planes Collide, Camp Edwards, MA</td>
<td>MA</td>
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<td>1952</td>
<td>Apr</td>
<td>USN P2V Ventura Patrol Bomber Crash, Brunswick NAS, ME</td>
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<tr>
<td>1952</td>
<td>Apr</td>
<td>USAF B-36D, near Fairchild AFB, WA</td>
<td>WA</td>
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<tr>
<td>1952</td>
<td>June</td>
<td>Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan</td>
<td>UK</td>
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<tr>
<td>1952</td>
<td>June</td>
<td>NM-based USAF B-50 Superfortress Crash near Lakenheath, UK</td>
<td>UK</td>
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<tr>
<td>1952</td>
<td>Oct</td>
<td>USAF B29 and F94 Jet Midair Collision near Portland, OR</td>
<td>OR</td>
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<tr>
<td>1952</td>
<td>Oct</td>
<td>USAF WB-29 lost, Typhoon, Anderson AFB, Guam to Philippines</td>
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<tr>
<td>1952</td>
<td>Oct</td>
<td>USAF Stratofreighter Crash, Gray Mountain, near Flagstaff, AZ</td>
<td>AZ</td>
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<tr>
<td>1952</td>
<td>Nov</td>
<td>USAF “Flying Boxcar” Crashes, Mt. McKinley, AK</td>
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<tr>
<td>1952</td>
<td>Nov</td>
<td>USAF Consolidated Privateer Crash, Shelton, WA</td>
<td>WA</td>
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<tr>
<td>1952</td>
<td>Nov</td>
<td>USAF “Flying Boxcar” Crashes, near Anchorage, AK</td>
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<tr>
<td>1952</td>
<td>Nov</td>
<td>USAF MATS C-124 A Globemaster II crash, Mount Gannett, AK</td>
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<td>1952</td>
<td>Nov</td>
<td>USAF Douglas C-54 Crash, Near Tacoma, WA</td>
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<tr>
<td>1952</td>
<td>Dec</td>
<td>USAF C47B Plane Crash, Mount San Gorgonio, CA</td>
<td>CA</td>
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<tr>
<td>1952</td>
<td>Dec</td>
<td>USAF Globemaster II Cartwheels on takeoff, Larson AFB, WA</td>
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<tr>
<td>1953</td>
<td>Jan</td>
<td>USAF B-50 SAC Bomber Plane Crash, near Gridley, CA</td>
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187 Cross-listed in Violence (Attack).
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
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<tr>
<td>1953</td>
<td>Jan 16</td>
<td>USAF C-54 Crash, approach, Harmon AFB, Stephenville, NFLD, Can.</td>
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<td>1953</td>
<td>Jan 28</td>
<td>USN PB4Y Privateer Plane Crash, Black Peak, WA</td>
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<tr>
<td>1953</td>
<td>Feb 02</td>
<td>USAF Plane takeoff Crash, Wheelus Air Base, Tripoli, Libya</td>
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<tr>
<td>1953</td>
<td>Mar 18</td>
<td>10-eng. USAF Convair RB-36H crashes, Random Island, NFL, Can.</td>
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<td>1953</td>
<td>Mar 18</td>
<td>Crash, USAF Superfortress, search mis., St. George’s Bay, NFL, Can.</td>
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<tr>
<td>1953</td>
<td>Mar 20</td>
<td>Transocean Air 942 (Military Charter) Crash, NE of Alvarado, CA</td>
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<td>1953</td>
<td>June 18</td>
<td>USAF Globemaster II Crash, Tachikawa AFB, Tokyo, Japan</td>
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<tr>
<td>1953</td>
<td>July 02</td>
<td>USAF Martin Mariner Crash, Adak, AK</td>
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<tr>
<td>1953</td>
<td>July 17</td>
<td>USMC R4Q “Packet” Plane Takeoff Crash/Fire, near Milton, FL</td>
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<tr>
<td>1953</td>
<td>July 29</td>
<td>Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan</td>
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<tr>
<td>1953</td>
<td>Nov 17</td>
<td>USAF C-119F Hits Paratroopers, Crashes, Fort Bragg, NC</td>
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<tr>
<td>1953</td>
<td>Dec 17</td>
<td>USAF B-29 Crashes, Officer’s Housing, Anderson AFB, Guam</td>
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**AVIATION Disasters Subset**

**MILITARY Craft and Charters – CHRONOLOGICAL**

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
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<tbody>
<tr>
<td>1954</td>
<td>Jan 04</td>
<td>US Navy P2V Neptune Bomber Lost, Yellow Sea, off Coast of Korea</td>
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<tr>
<td>1954</td>
<td>Feb 01</td>
<td>USAF C-46 Fire and Crash, Tsugaru Strait, off Hokkaido, Japan</td>
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<tr>
<td>1954</td>
<td>Feb 05</td>
<td>USAF C-47 Crashes, Susitna Valley, AK</td>
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<td>1954</td>
<td>Mar 19</td>
<td>Plane Fire &amp; Crash, USAF C-119, #51-7993, near Lothian, MD</td>
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<td>1954</td>
<td>May 05</td>
<td>USN PBM-5 Seaplane Crash, Sidewalk Mt., near Carricitos, Mexico</td>
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<tr>
<td>1954</td>
<td>June 26</td>
<td>Plane Crash, USAF KC97 Stratotanker, Box Springs Mountain, CA</td>
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<td>1954</td>
<td>Aug 27</td>
<td>USAF B-36 Crash, Rapid City, SD</td>
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<td>1954</td>
<td>Sep 28</td>
<td>USN PB-5 Marlin Takeoff Crash, Sanglely Point NAS, Philippines</td>
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<tr>
<td>1954</td>
<td>Oct 06</td>
<td>USAF B-50 Crash near Willows, Glenn County, CA</td>
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<tr>
<td>1954</td>
<td>Oct 30/31</td>
<td>Us Navy Transport Loss at Sea, Off Ocean City, MD</td>
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<td>1954</td>
<td>Dec 22</td>
<td>Johnson Flying Service Crash, Monongahela River, Pittsburgh, PA</td>
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<td></td>
<td>Dec 29</td>
<td>Plane rear-door fails/crash, USAF C119, Shin Point ~New Hope, AL</td>
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<td>1955</td>
<td>Jan 01</td>
<td>USAF Douglas C47 Crash, near Skwentna Airport, Anchorage AK</td>
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<td>1955</td>
<td>Feb 17</td>
<td>USAF Lockheed P-2 Neptune Crash, Elmendorf AFB, AK</td>
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<td>1955</td>
<td>Mar 22</td>
<td>US Navy R6D-1 Crashes, Waianae Range, NW of Honolulu, HI</td>
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<td>1955</td>
<td>May 25</td>
<td>Plane Crash, USAF SAC B-36J, Sterling City, TX</td>
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<tr>
<td>1955</td>
<td>June 29</td>
<td>USAF C-47 Transport Plane Crash, Sitkinak Island, AK</td>
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<tr>
<td>1955</td>
<td>Aug 11</td>
<td>Two USAF C-119 Flying Boxcars Collide over Edelweiler, Germany</td>
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<td>1955</td>
<td>Sep 26</td>
<td>US Navy P-2 Neptune 131442 Lost</td>
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<td>1955</td>
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<td>USAF Plane Crash, Mount Charleston, NV</td>
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<td>1955</td>
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<td>Peninsular Air Transport (Mil. Charter) Crash, Seattle-Boeing Field, WA</td>
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<td>1955</td>
<td>Nov 29</td>
<td>USAF F-84 Crash into Base Housing, Eielson AFB, AK</td>
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<td>1956</td>
<td>Feb 17</td>
<td>U.S. Navy Transport DC-4 Crash near Niles, CA</td>
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<td>1956</td>
<td>Mar 02</td>
<td>USAF C124C Globemaster II Crash, Atlantic, Iceland to US</td>
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<td>1956</td>
<td>July 13</td>
<td>USAF Takeoff/Windshear Crash, near Brown’s Mills, NJ</td>
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<td>1956</td>
<td>Aug 22</td>
<td>Navy P4M-1Q Shot Down near Wenchow, China</td>
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<td>1956</td>
<td>Aug 31</td>
<td>Eielson AFB AK WB-50 Plane, Crashes 50 miles north of Anchorage</td>
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188 Included in that this was the first aviation disaster anywhere to kill more than 100 people.
189 Cross-listed in Violence (Attack).
1956 -- Sep 10, Yokota AB USAF RB50G Lost tracking Typhoon Emma Sea of Japan  
1956 -- Sep 24, USAF C-47 Crash, Mount Yale, near Buena Vista, CO  
1956 -- Oct 10, USN MATS Transport Plane lost from UK to Lincoln AFB, NE  
1956 -- Nov 09, USN P5M Marlin Patrol Plane Lost no. of Bermuda, possibly off MD  
1956 -- Nov 30, USAF Boeing B-52 Crash, Merced, CA  

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

1957 -- Jan 17, USAF Weather B-50 Takeoff Plane Crash, near Eielson AFB, AK  
1957 -- Feb 01, Northeast Flight 823 Takeoff Crash, Rikers Island, NY  
1957 -- Apr 02, US Navy Neptune Plane Explos., ~Atlantic, Chincoteague AFB, VA  
1957 -- Apr 12, U.S. Navy Neptune VP26 Bomber Crashes, Brunswick, ME  
1957 -- Jul 19, Willow Grove NAS, PA, Neptune Crash, San Martino Mt., no. Italy  
1957 -- July 23, USN P-2 Neptune Explosion, off Barbers Point Naval Air Sta., HI  
1957 -- Dec 09, Navy P5M Marlin Seaplane Explosion/Crash, Corpus Christi, TX  
1957 -- Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI  
1958 -- Jan 15 Anderson AFB, Guam USAF Weather WB50 Lost, Typhoon Ophelia  
1958 -- Feb 01, USAF C-118A/US Navy P2V-5F Collision, Norwalk, CA  
1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy  
1958 -- Feb 20, USN WV2 Super Constellation Plane Lost, Newfoundland to Azores  
1958 -- Mar 07, USMC Transport & Skyraider Collide off Naha NAF, Okinawa  
1958 -- Mar 27, Mid-Air Collision, two USAF Planes, Bridgeport, TX  
1958 -- Apr 21, Planes Collide, United 736 / USAF F-100 Fighter, ~Las Vegas, NV  
1958 -- May 20, Planes Collide, Capital Air & MD Air NG, Brunswick, MD  
1958 -- June 27, USAF SAC Tanker Crash, Near Chicopee Falls, MA  
1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR  
1958 -- Sep 08, USAF B52’s Collide, Near airway Heights, WA  
1958 -- Sep 09, USAF Douglas C47 Plane Crash, Elmendorf AFB, Anchorage, AK  
1958 -- Sep 29, USN Neptune PV-2 Patrol Plane Crash, 22M no. of Key West, FL  
1958 -- Oct 09, USAF C-123B Transport Crash ~Little Willow Creek & Payette, ID  
1958 -- Oct 18, USN Constellation Plane Crash, ~Argentina, Newfoundland, Canada  
1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK  
1959 -- Feb 04, USAF Weather B-50 Crash, out of and off Kindley US AFB, Bermuda  
1959 -- May 11, Plane Crash, USN P2V, Whidbey Island Naval Air Station, WA  
1959 -- May 20, USAF C-130 Hercules Plane Crash into Barracks, Ashiya AB, Japan  
1959 -- June 30, U.S. Air Force F-100 Jet Crashes into School, Ishikawa, Okinawa  
1959 -- July 22, Plane Explosion and Crash, USAF KC-97, near East Andover, NH  
1959 -- Nov 7, USAF C-47 crashes after take-off, Tainan, Formosa (Taiwan)  

190 Nine other U.S. service-men lost their lives in a search and rescue mission when their plane crashed.  
191 All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.  
192 Cross-listed under Attack.  
193 48 were civilian fatalities on United 736.
1960 -- Jan 16, USN P4M-1Q Mercator Crash, Karanfil Mountain, ~Adana, Turkey -- 16
1960 -- Feb 25, USN R6D / DC-3 Collide in Fog off Rio de Janeiro, Brazil --61 (USN 35)
1960 -- July 06, US Navy Blimp Crash off Barnegat City, NJ -- 18
1960 -- Sep 08, Yokota AB USAF Weather B-50 Crash into Mt., near Ishikawa, Japan-- 11
1960 -- Sep 22, USMC Douglas R5D-3 Plane Crash 180 miles off Naha, Okinawa -- 29
1960 -- Dec 17, USAF C-131 Samaritan Takeoff Crash, Munich, Germany --(20 US) 51-53

1961 -- Jan 26, USN C-118 Liftmaster Explos./Crash off Argentia, Newfoundland -- 23
1961 -- May 24, USAF 51-0174 Globemaster Crash, McChord AFB, WA -- 22

1962 -- Mar 08, USAF C-130A Hercules Plane Crash near Alencon, western France-- 15
1962 -- May 09 USAF KC-135A Stratotanker Engine Failure, Crash, Loring, AFB, ME-- 6
1962 -- May 22, USN WV2 Transport Breaks-up/Crashes, Markt Schwaben, Germany-- 26
1962 -- May 27, Dover AFB USAF C133 Cargomaster Crash, Atlantic off Dover, DE-- 6
1962 -- Sep 10, USAF SAC Tanker Approach Crash, Mt. Kit Carson ~Spokane, WA-- 44
1962 -- Sep 22, US Navy Martin Marlin P5M Crash, Montague Island, Gulf of AK -- 10
1962 -- Dec 26, USN P5M1 Marlin Seaplane Lost at Sea 350M SW of San Diego, CA-- 13

1963 -- Jan 30, US Navy P-3A Crash, Atlantic, off Atlantic City, NJ -- 14
1963 -- Aug 28, Apparent Mid-Air Collision, two USAF Tankers, off East Coast -- 11
1963 -- Sep 22, USAF C-133A Cargomaster Crash, Atlantic SE Dover AFB, DE -- 10
1963 -- Dec 23, USAF B-52 Stratofortress Crash after takeoff, Columbus AFB, MS-- 9

1964--May 11, USAF C-135 hits fence/crashes, landing, Clark U.S. AB, Philippines-78-80
1964 -- May 11, USN P2V Plane Crash, Atlantic, 25 mls SW of US AB Rota, Spain -- 10
1964 -- Jun 29, USAF Stratofreighter / C-54 Collide near Kindley US AFB, Bermuda-- 17
1964 -- Oct 27, USN Plane Crash into Commissary, El Centro NAS, CA -- 12
1964 -- Nov 17, USN P-3A Orion Landing Crash, Fog, USN Base, Argentina NFL 194-- 10
1964 -- Nov 27, USN Lockheed P-2V Neptune Crash, Cape Newenham, AK -- 12

1965 -- Jan 16, USAF SAC Tanker Crash, Neighborhood, Wichita, KS -- 30
1965 -- Jun 15, US Army Helicopters Mid-Air Collision, Columbus, GA -- 18
1965 -- June 25, USAF Boeing KC-135 Crash, El Toro Air Force Base, CA -- 85
1965 -- July 11, Fire, Plane Crash, USAF Constellation, 100M off Nantucket, MA -- 16
1966 -- Apr 09, US Navy Orion P-3A Crashes into Pacific 300km off San Diego, CA-- 11
1966 -- May 18, USAF KC-135 Stratotanker takeoff Crash, Kadena AB, Okinawa -- 12
1966 -- Nov 11, USAF Constellation Crash, Atlantic, E. of Cape Cod, MA -- 19
1967 -- Apr 25, USAF Super Constellation Fire, off Nantucket Island, MA -- 15

194 Cross-listed in Fog as a Contributing Factor.
1967 -- Jun 23, USMC Helicopters Collide, New River Marine Corps Air Facility, NC-- 22
1967 -- Dec 14, USAF Lockheed P-2 Neptune Crash, Juneau, AK -- 14

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

1968 -- Jan 10, USMC R5D-2 (C54) Plane Crash, Mt. Tobin, Copper Canyon, NV -- 19
1968 -- Jan 17, USAF Stratotanker Takeoff Crash, Minot AFB, ND -- 13
1968 -- Apr 01, USN P3B Coastal Surveillance Shot Down, Gulf of Thailand\(^{195}\) -- 12
1968 -- July 28, USAF C-124A, GA Reserve, Crash, 50 miles NW of Recife, Brazil-- 10

1969 -- Feb 04, USAF HC-130 Rescue Plane Crash into Sea off Taiwan -- 13
1969 -- Mar 08, USAF C130 Crash short of runway, Ching Chuan Kang AB, Taiwan-- 12
1969 -- Apr 14, Navy EC-121M Shot Down by North Korea, Sea of Japan\(^{196}\) -- 31
1969 -- June 05, USN Recon Plane Crash off Shemya, AK -- 19
1969 -- Dec 22, U.S. Navy F-8 Jet Crash, Miramar Naval Air Station, CA -- 14

1970 -- May 4, USAF Convair T-29D Crash, near Hamilton AFB, CA -- 13
1970 -- Oct 2, USAF C-130 Transport Plane Crash into mountain near Taipei, Taiwan-- 43

1971 -- Jun 06, Hughes Air 706/Marine Corps Phantom II Collide, Duarte, CA -- 50
1971 -- Jun 13, USAF C-135B monitoring French Nuclear Test, Lost, Pacific -- 24
1971 -- Aug 18, USAF Chinook Helicopter explodes in air, Pegnitz, West Germany -- 37
1971 -- Nov 12, USAF Lockheed C-130 Hercules Crash, Little Rock AFB, AR -- 10
1972 -- Feb 19, USAF C-130 and T-37 Planes Collide, NE of Little Rock AFB, AR -- 5
1972 -- Jun 03, Brunswick ME-based USN Orion 152182 Crashes into Moroccan Mt.-- 14
1972 -- Dec 05, USAF C-130 Talon Collides with SC ANG F-102, near Conway, SC-- 13

1973 -- Feb 07, Navy Corsair II Plane Crash/Apartment Bldg., Fire, Alameda, CA\(^{198}\)-- 11
1973 -- Mar 8, USAF Douglas C-47 Crash, Silk Hope, NC -- 14
1973 -- Apr 12, Planes Collide, NASA Convair/NAVY P-3C Orion, Sunnyvale, CA-- 16
1973 -- Dec 11, USN Douglas R6D-1 Crash, Great Sitkin Island, AK -- 10
1975 -- Jan 09, USAF T29D and Cessna Collide 4 miles west of Newport News, VA-- 9
1975 -- Mar 20, USAF Transport Crash, Olympic Nat. Park, Quilcene WA -- 16
1975 -- Sep 26, USAF Sikorsky CH-53 Helicopter Crash, east of Paderborn, Germany-- 16
1976 -- Aug 28, USAF C41 Starlifter Crash, Soendre Stromfjord AFB, Greenland\(^{199}\)--13/23

\(^{195}\) Cross-listed in Violence (Attack)
\(^{196}\) Cross-listed in Aviation.
\(^{197}\) Cross-listed in Lightning.
\(^{198}\) 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.
1976 -- Aug 28, USAF Crash, severe thunderstorm rips wing, ~Peterborough, UK -- 18
1976 -- Sep 26, USAF KC-135 (61-0296) Crash, Alpena, MI -- 15

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

1977 -- Jun 21, USN TACAMO EC130Q Hercules Takeoff Crash, off Wake Island -- 16
1977 -- Sep 14, USAF EC-135K Crash, Mt., Manzano range, ~Albuquerque, NM -- 20
1977 -- Dec 11, BNAS-based USN Orion Crash, Fog, El Hierro Mt., Canary Islands-- 13

1978 -- Aug 08, USAF C130 Crash into mountain, ~8 miles N of Little Rock AFB, AR-- 8
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

1980 -- Mar 14, USAF C130 Wing Explosion and Crash near Yenice, Cilicia, Turkey -- 18
1981 -- May 06, USAF EC-135N Crash, Walkersville, near Frederick, MD -- 21
1981 -- May 26, USN EA-68 Prowler Crash, USS *Nimitz*, off Jacksonville, FL 200 -- 14

1982 -- March 19, USAF KC-135 Tanker Explosion / Crash near Wonder Lake, IL -- 27
1982 -- April 2, US Navy transport plane crash, Mediterranean island of Crete -- 11
1982 -- Aug 31, USAF C-141 transport plane crash, John’s Knob, Cherokee Nat., TN-- 9
1982 -- Sep 11, USAF Chinook Crash, Airshow, ~Mannheim, Germany --46, U.S. 7-8

1983 -- Apr 30, USN C-131 Eng. Fire/Crash, St. John’s Riv., ~Jacksonville NAS, FL-- 14
1983 -- June 16, US Navy P-3B Orion (152720) Crash in Mountain, Kauai, HI -- 14
1983 -- July 10/11, US Army CH-47 Chinook Helicopter Crash, South Fox Island, MI-- 6

1984 -- Feb 29, USAF C-130 Hercules Plane Crash, near Borja, Spain --(17 US) of 18
1984 -- Mar 24, USMC Helicopter Crash into Mt., 24M no. of Pohang So. Korea--18 of 29

1985 -- Jan 22, USAF Plane Crash in Sea on approach to Trujillo Airport, Honduras-- 21
1985 -- May 6, USMC CH-53D Helicopter Crash into Sea of Japan off Yakushima -- 17
1985 -- Dec 12, Crash, US Mil. Charter, Arrow Air 1285, Gander, Newfoundland, Can.-256

1986 -- Apr 2, 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, MO201
1987 -- Sep 28, Bird Strike and Plane Crash, USAF B1-B, La Junta, CO -- 3

---

199 There were 13 immediate U.S. fatalities and 8 Greenland (Dutch) passenger fatalities. Two other people died about two weeks later – I think they also were Greenland passengers. Greenland is an autonomous country within the Kingdom of Denmark. (*Wikipedia*. “Greenland.”)
200 Cross-listed in Maritime.
201 One plane accounting for three of the deaths, was a US Army Beech U-21.
1987 -- Oct 20, USAF A-7D Jet Crash, Ramada Inn, Wayne Twp., ~Indianapolis, IN -- 10

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

1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN\(^{202}\) -- 17
1988 -- June 08, Air Nat. Guard C-130 Crash, touch-and-go-landing, Greenville, MS -- 6

1989 -- Jan 31, USAF SAC Tanker Crash, Dyess Air Force Base, TX -- 19
1989 -- Mar 12, USAF CH-3C ‘Copter Crash 20 mls NW of Tucson, ~Marana, AZ -- 15
1989 -- Mar 20, USMC Sea Stallion Helo Engine Mal./Crash, Mt., ~Pohang, So. Korea--19
1989 -- May 29, USMC CH46 Sea Knight Helicopter Crashes, Trng. Ex., off Okinawa--14
1989 -- Dec 01, Plane Crash, US Army CASA 212, Patuxent River NAS, MD -- 5

1990 -- Aug 29, USAF C-5A Galaxy Plane Crash, Ramstein U.S. Air Base, Germany-- 13

1991 -- Mar 21, Mid-Air Col., US Navy P-3C’s, SW off San Diego, CA -- 27

1992 -- Feb 6, KY ANG C-130 Hercules Crash, Hotel/Rest. complex, Evansville, IN-- 17
1992 -- March 22, USAir 405, Ice on Wings, Crashes on Takeoff, LaGuardia, NYC -- 27
1992 -- Oct 7, WV Air National Guard C-130 Crash, Berkeley Springs, WV -- 6

1992 -- Nov 30, Two USAF C-141 Transports Collide Mid-Air, near Harlem, MT -- 13

1994 -- Mar 23, USAF C-130/F-16 Collide, F-16 hits troops on ramp, Pope AFB, NC-- 24
1994 -- Apr 14, 2 USAF F-15s Shootdown 2 USA Black Hawks, No. Iraq --US of 26

1995 -- Apr 17, Plane Crash, USAAF C-21 Learjet, near Alexander City Airport, AL -- 8
1995 -- Sep 22, USAF AWACS Sentry Bird Strike Crash, Elmendorf AFB, AK -- 24

1996 -- March 7, US Army Chinook from Fort Campbell Crashes near Olmstead, KY -- 5
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

1996 -- Nov 22, USAF Hercules Engine Loss/Crash, Pacific ~Cape Mendocino, CA-- 10

1998 -- April 1, USMC Tilt-rotor Osprey V-22 Crash, Marana Airport ~Tucson, AZ -- 19
1999 -- Aug 1, USN Charter Patuxent Air\(^{203}\) & Private Plane Collide, Burlington, NJ -- 11
1999 -- March 4, USAF C-23 Plane Crash (VA NG (18) FL ANG (3)), Unadilla, GA-- 21
2000 -- Apr 08, USMC Tilt-rotor Osprey V-22 Crash, Marana Airport ~Tucson, AZ -- 19
2000 -- Aug 9, USN Charter Patuxent Air\(^{203}\) & Private Plane Collide, Burlington, NJ -- 11
2001 -- March 3, USAF C-23 Plane Crash (VA NG (18) FL ANG (3)), Unadilla, GA-- 21

2005 -- Mar 10, U.S. Army Blackhawk Helicopter Crash, Gulf off Navarre Beach, FL -- 11
2016 -- Jan 14, Aviation, Two Marine Helicopters Crash off Haleiwa, Oahu, HI -- 12

\(^{202}\) The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN.

\(^{203}\) Patuxent Airways was operating at the time under Department of Defense contract, carrying Navy personnel.
593. 2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16
### Aviation Subset -- PARACHUTING/SKYDIVING – by Mortality

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
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<tbody>
<tr>
<td>1985</td>
<td>Sep 29</td>
<td>Skydiving Crash</td>
<td>Westwind Sports &amp; Parachute Ctr., Jenkinsburg, GA</td>
<td>17</td>
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<tr>
<td>1992</td>
<td>Apr 22</td>
<td>Plane Crash</td>
<td>Perris Valley Aviation (Skydiving), Perris, CA</td>
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<tr>
<td>1981</td>
<td>Apr 17</td>
<td>Planes Collide</td>
<td>Air US 716 &amp; Sky West Parachute, Loveland, CO</td>
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<tr>
<td>1982</td>
<td>Oct 17</td>
<td>Private Beechcraft C-45 Parachuting Jump Plane Crash near Taft, CA</td>
<td>14</td>
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<tr>
<td>1992</td>
<td>Sep 07</td>
<td>Beechcraft Parachuting Plane Crash</td>
<td>Hinckley, IL</td>
<td>12</td>
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<tr>
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<td>Peninsula Sky Diving Club, West Point, VA</td>
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<tr>
<td>1981</td>
<td>Dec 5</td>
<td>Crash</td>
<td>Jump Hawaii Club Beechcraft C-45, Honolulu, HI</td>
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<tr>
<td>1983</td>
<td>Aug 21</td>
<td>Crash</td>
<td>Command Aviation N116CA (parachute plane), Silvana, WA</td>
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<tr>
<td>2019</td>
<td>June 21</td>
<td>Skydiving charter plane crash</td>
<td>Dillingham Airfield, Oahu, HI</td>
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<tr>
<td>1952</td>
<td>Apr 1-10</td>
<td>Military Plane Crashes, Parachuting</td>
<td>“Exercise Longhorn,” TX</td>
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<tr>
<td>1991</td>
<td>Feb 3</td>
<td>Cessna 182 Parachute Plane collides with private plane</td>
<td>Osceola, WI</td>
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### Aviation Subset -- PARACHUTING/SKYDIVING – Chronological

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<td>Sep 10</td>
<td>Plane Crash</td>
<td>Peninsula Sky Diving Club, West Point, VA</td>
<td>12</td>
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<tr>
<td>1999</td>
<td>July 31</td>
<td>Takeoff crash/Parahawks Skydiving Center plane</td>
<td>Marine City, MI</td>
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<tr>
<td>2007</td>
<td>Oct 7</td>
<td>Plane crash</td>
<td>Kapowsin Air Sports (skydiving), near Naches, WA</td>
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<tr>
<td>2019</td>
<td>June 21</td>
<td>Skydiving charter plane crash</td>
<td>Dillingham Airfield, Oahu, HI</td>
<td>11</td>
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</table>
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 3-24, Coldwave, CO poisoning and one explosion (4 deaths), esp. MI/16204 -- 42
3. 1968 -- March 6, Cargill Salt Mine Shaft Fire, CO² Asphyxiation, Belle Isle, LA205 -- 21
4. 1924 -- Dec 27-29, Carbon monoxide poisoning deaths, New York City, NY --15-20
5. 2009 -- Jan 26-28, Central/Eastern ice and snowstorm, KY/13, MO/2, AR/OK/TN 1 ea-- 18
6. 2017 -- Sep 10-11 (following), Hurricane Irma, FL (13), NC (1), SC (2) -- 16
8. 1924 -- Jan 28, gas asphyxiation & gas/dynamite explos., Cumberland Hill, Manville, RI207 ~13
10. 2008 -- Sep 13-18, Hurricane Ike, TX (8-9), KY (1) -- 9-10
11. 2005 -- Sep 24, Hurricane Rita, Beaumont, Jefferson Co. (6); Montgomery Co. (3) TX-- 9
12. 1998 -- Jan 9-12, Ice Storm, ME (3), NH (1) Upper New York (4) -- 8
13. 2003 -- Sep 18-19, Hurricane Isabel, Carbon Monoxide, MD (4), and VA (4)208 -- 8
15. 2015 -- Mar 28-29,210 Carbon Monoxide Poisoning, family home, Princess Anne, MD-- 8
16. 2006 -- Dec 17, Carbon Monoxide poisoning, car in apartment garage, Kirksville, MO-- 7
17. 1936 -- Feb 4, Carbon Monoxide poisoning, Fusco family, Rankin, PA -- 6
18. 1977 -- Jan 28, Blizzard, Fostoria, OH -- 5
19. 2005 -- Aug 29-Sep 24, Hurricane Katrina, Louisiana -- 5
20. 2005 -- Oct 24, Hurricane Wilma, Category 3, Landfall SW Coast of Florida -- 4-5

204 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.
205 Cross-listed in Mine and Tunnel typology.
206 Subset of 131-152 deaths in the U.S. from all hurricane-related causes, esp. NJ, NY, PA, MD, WV, CT.
207 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.
208 Cross-listed in Carbon Monoxide Poisoning in that 8 of the 56 fatalities were attributed to CO poisoning.
209 Cross-listed in Windstorms.
210 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.
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<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1924</td>
<td>Jan 28, Gas Leak &amp; Dynamite Explosion</td>
<td>Cumberland Hill, Manville, RI</td>
<td>15</td>
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<tr>
<td>1924</td>
<td>Dec 27-29, Carbon monoxide poisoning deaths</td>
<td>New York City, NY</td>
<td>15-20</td>
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<tr>
<td>1931</td>
<td>Accidental Carbon Monoxide poisoning in garages</td>
<td>Nationwide</td>
<td>469</td>
</tr>
<tr>
<td>1936</td>
<td>Feb 3-24, Coldwave, CO poisoning and one explosion</td>
<td>MI</td>
<td>42</td>
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<tr>
<td>1954</td>
<td>Nov 07, CO Fumes, Faulty Gas Water Heater</td>
<td>NYC, NY</td>
<td>10</td>
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<td>1968</td>
<td>March 6, Cargill Salt Mine Shaft Fire</td>
<td>Belle Isle, LA</td>
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<td>1977</td>
<td>Jan 28, Blizzard</td>
<td>Fostoria, OH</td>
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<tr>
<td>1998</td>
<td>Jan 9-12, Ice Storm</td>
<td>ME (3), NH (1) Upper New York (4)</td>
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<tr>
<td>2003</td>
<td>Sep 18-19, Hurricane Isabel</td>
<td>VA</td>
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<tr>
<td>2005</td>
<td>Aug 29-Sep 24, Hurricane Katrina</td>
<td>Louisiana</td>
<td>5</td>
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<tr>
<td>2005</td>
<td>Sep 24, Hurricane Rita</td>
<td>Beaumont, Jefferson Co. (6); Montgomery Co. (3) TX</td>
<td>9</td>
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<tr>
<td>2005</td>
<td>Oct 24, Hurricane Wilma</td>
<td>Category 3, Landfall SW Coast of Florida</td>
<td>4-5</td>
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<tr>
<td>2006</td>
<td>Dec 13-22, Windstorm</td>
<td>Pacific Northwest, Carbon Monoxide Poisoning</td>
<td>8</td>
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<tr>
<td>2006</td>
<td>Dec 17, Carbon Monoxide poisoning</td>
<td>car in apartment garage, Kirksville, MO</td>
<td>7</td>
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<tr>
<td>2008</td>
<td>Sep 13-18, Hurricane Ike</td>
<td>TX (8-9), KY (1)</td>
<td>9-10</td>
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<tr>
<td>2009</td>
<td>Jan 26-28, Central/Eastern ice and snowstorm</td>
<td>KY/13, MO/2, AR/OK/TN 1 ea</td>
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<tr>
<td>2012</td>
<td>Oct 29-40, Hurricane Sandy</td>
<td>NJ (5), NY (4), PA (4), WV (1)</td>
<td>14</td>
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<tr>
<td>2015</td>
<td>Mar 28-29</td>
<td>Carbon Monoxide Poisoning, family home, Princess Anne, MD</td>
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<tr>
<td>2017</td>
<td>Sep 10-11 (following)</td>
<td>Hurricane Irma, FL (13), NC (1), SC (2)</td>
<td>16</td>
</tr>
</tbody>
</table>

---

211 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.

212 Cross-listed in Mine and Tunnel typology.

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

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

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

216 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.
Select Communicable and Infectious Diseases

**Communicable 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)

**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**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bubonic Plague</td>
<td>Bacterial (Yersinia pestis) infection (fleas); communicable.</td>
</tr>
<tr>
<td>Cholera</td>
<td>Bacterial infectious disease; highly communicable.</td>
</tr>
<tr>
<td>Croup</td>
<td>Viral infection; communicable/contagious</td>
</tr>
<tr>
<td>Diphtheria</td>
<td>Bacterial infectious disease, highly communicable.</td>
</tr>
<tr>
<td>HIV/AIDS</td>
<td>Viral infection; communicable via direct body fluid contact.</td>
</tr>
<tr>
<td>Influenza/Pneumonia</td>
<td>Viral infectious disease; communicable/contagious</td>
</tr>
<tr>
<td>Measles (Rubeola and Rubella)</td>
<td>Viral infectious disease; highly communicable.</td>
</tr>
<tr>
<td>Meningitis</td>
<td>Bacterial infectious disease; communicable/contagious.</td>
</tr>
<tr>
<td>Polio (Poliomyelitis)</td>
<td>Viral infectious disease; communicable/contagious.</td>
</tr>
<tr>
<td>Scarlet Fever (Scarlatina)</td>
<td>Bacterial infectious disease; communicable/contagious.</td>
</tr>
<tr>
<td>Smallpox (Variola)</td>
<td>Viral infectious disease; highly communicable/contagious.</td>
</tr>
<tr>
<td>Tuberculosis</td>
<td>Bacterial infectious disease; communicable.</td>
</tr>
<tr>
<td>Typhus (Epidemic)</td>
<td>Bacterial (Rickettsia) infection; communicable.</td>
</tr>
<tr>
<td>Whooping Cough (Pertussis)</td>
<td>Bacterial infection (Bordetella pertussis); communicable.</td>
</tr>
</tbody>
</table>

**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**

<table>
<thead>
<tr>
<th>Disease</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Legionellosis (Legionnaires’ Disease)</td>
<td>Bacterial (legionella pneumophila) infection.</td>
</tr>
<tr>
<td>Malaria</td>
<td>Plasmodium parasite infection spread by Anopheles mosquito.</td>
</tr>
<tr>
<td>Typhoid Fever (also Enteric Fever)</td>
<td>Bacterial infection (Salmonella typhi).</td>
</tr>
<tr>
<td>Yellow Fever</td>
<td>Flavivirus infection (communicated via mosquito bite).</td>
</tr>
</tbody>
</table>
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
3. 1920 -- Influenza and Pneumonia (1918-1920 subset) 141,609-220,798
4. 1931 -- Influenza (31,701) and Pneumonia, all forms (96,974), especially PA 128,675
5. 1917 -- Influenza and pneumonia 115,526
6. 1900 -- Tuberculosis, esp. CA, IL, IN, KY, MA, MO, NJ, NY, OH, PA, TN 109,750
7. 1930 -- Influenza and Pneumonia, nationwide 102,504
9. 1939 -- Influenza (21,464) & Pneumonia, esp. CA, IL, MI MO, NY, OH, PA, TX 99,097
10. 1940 -- Influenza and Pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX 92,525
11. 1879 -- June-May 1880, Tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA 91,270
12. 1925 -- Tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819 89,268
13. 1775-82 Smallpox Epidemic North America ~84,000
14. 1931 -- Tuberculosis, esp. CA, IL, NY, OH, PA 81,395
15. 2017-2018 -- Winter (March 2018 end) Influenza (primarily H3N2) ~80,000
16. 1907 -- Tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly) 76,650
17. 1957-58 -- (esp. Fall-Spring), “Asian” Influenza (and Pneumonia) Epidemic ~70,000
18. 1870 -- Tuberculosis (Consumption), Nationwide 69,896
19. 1966 -- Jan-Dec, Influenza and Pneumonia, nationwide 63,615
20. 1939 -- Tuberculosis, Nationwide, esp. CA, IL, NY, OH, PA, TN, TX 61,609
21. 1940 -- Tuberculosis, Nationwide, especially CA, IL, NY, OH, PA and TX 55,576
22. 1944 -- Tuberculosis, Nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX 54,731
23. 1849 -- Cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K) ~45K-51,428
24. 1928-1929 – Winter, Influenza and Pneumonia Epidemic 50,000
25. 1860 -- Tuberculosis (Consumption), Nationwide 49,082
26. 1890 -- Diphtheria and Croup, especially IL, MA, NJ, NY 41,677
27. 1870 -- Pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA 40,012
28. 1879 -- Jun-May 1880, Diphtheria, esp. Sep-Jan, esp. children, esp. PA, IL, NY, IA 38,143
29. 1900 -- Typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX 35,379
30. 1968-69 (Sep-March), A2 “Hong Kong” Influenza (and Pneumonia) epidemic 33,800
31. 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
32. 1870 -- Diarrhoea (14,195), Dysentery (7,912) and Enteritis (9,046) >31,153
33. 1925 -- Influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464 30,538
34. 1890 -- Typhoid Fever, Nationwide, spiking in Oct ~28,191-29,329

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

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.

35. 1860 -- Scarlatina (Scarlet Fever), 38 Census “Registration” States and DC 26,402
36. 1910 -- Typhoid Fever, Nationwide 25,000
37. 1879 -- June-May 1880, Typhoid (“Enteric”) Fever, esp. IL, IN, MO, OH, TX 23,339
38. 2012-2013 (Winter) -- Estimated Excess Influenza & Pneumonia Deaths --18,066-22,434
39. 1870 -- Typhoid Fever, Nationwide, esp. IL, IN, MA, MO, NY, OH, PA 22,187
40. 1829-1834 (esp. 1833) -- Unknown Epidemic, West Coast Native Americans 6,500-22,000
41. 1915 -- Dec-Jan 1916, Influenza & Pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI 20,556
42. 1850 -- Dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965 20,556
43. 1879 -- June-May 1880, “Malarial Fever,” esp. AL, AR, GA, IL, MS and MO 20,231
44. 1837-38--Smallpox, Upper Mid-West Native American Tribes ~20,000
45. 1878 -- June-Dec, Yellow Fever, esp. LA (esp. New Orleans), MS, TN (esp. Memphis) ~20,000
46. 1879 -- June-May 1880 -- Croup, especially Oct-Dec, especially IL, PA and TN 17,966
47. 1853 -- May-Dec, Yellow Fever, esp. AL/1293, LA/15K, MS/1311 TX/871--18,770-19,533
48. 1900 -- Meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189, NJ/909 19,423
49. 1860 -- Typhoid Fever, Census “Registration” States 19,236
50. 1832 -- June-Dec 16, Cholera Epidemics, esp. DC/LA/MD/NJ/NY/OH/PA/VA-16,781-18,491
51. 1879 -- June-May, 1880 -- Croup, especially Oct-Dec, especially IL, PA and TN 17,966
52. 1866 -- May-Dec, Cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Army---16K-17,742
53. 1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), esp. IL, Northeast 16,124-17,626
54. 1912 -- Jan 1-Jun 8, Tuberculosis, CA, IL, IN, MA, MO, NJ, NYC, PA, TX, WI 17,484
55. 1944 -- Influenza, especially Jan-Apr & Dec, Nationwide, especially OH, PA, TX 17,320
56. 1916 -- Diphtheria, especially children, nationwide, esp. PA, NY, MI >8,000-17,000
57. 1900 -- Influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667-16,645
58. 1900 -- Diphtheria, esp. PA/2805, NY/2673, IL/1504, MA/1072, OH/698, NJ/678 16,475
59. 1880 -- Scarlet Fever, especially children, nationwide, especially IN, NY and PA 16,388
60. 2010 -- HIV/AIDS, U.S., nationally 15,525
61. 2010-11 (Winter)--Estimated Excess Influenza & Pneumonia Deaths (95%CI)-12,111-15,372
62. 1860 -- Croup (contagious upper airway viral infection), nationwide 15,188
63. 1900 -- Malarial Fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001 14,874
64. 1850 -- Cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI 121,158-14,637
65. 1920 -- Diphtheria & Croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885 13,395
66. 1835 -- Nov-Spring 1838, Smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK 13,105
67. 1850 -- Typhoid Fever, 31 States, Washington, DC, four Territories --13,099
68. 1900 -- Measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974 12,866
69. 1907 -- Typhoid, Nationwide 12,670
70. 1900 -- Croup (Upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686--12,484
71. 1891 -- March-May, Influenza and Pneumonia Epidemic, esp. Chicago, IL & NY 12,472
72. 2009 -- April 12-April 10, 2010, H1N1 “Swine Flu” Pandemic (U.S.) 12,469
73. 1900 -- Dysentery, esp. AL/861 TX/794 GA/781 NY/676 TN/663 SC/578 AR/541 11,710

219 Technically, what became the flu epidemic of early 1890 began in late December 1889.
220 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.
221 Data from 34 Census Bureau Registration States and a number of cities ≥100,000 in non-registration states.
<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1738-39</td>
<td>Smallpox, Catawba (NC/SC) and Cherokee Natives (NC)</td>
<td></td>
<td>7,700-11,700</td>
</tr>
<tr>
<td>1879</td>
<td>June-May 1880, Whooping Cough, nationwide, esp. IN, GA, NC, TX, AL</td>
<td></td>
<td>11,064</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1920</td>
<td>Whooping Cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536</td>
<td></td>
<td>10,968</td>
</tr>
<tr>
<td>1911</td>
<td>Aug-Dec, Tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX</td>
<td></td>
<td>10,926</td>
</tr>
<tr>
<td>1885</td>
<td>Diphtheria &amp; Croup, localities in 16 states; esp. NY/4508, MI/1552, NJ/1496</td>
<td></td>
<td>10,788</td>
</tr>
<tr>
<td>1850</td>
<td>Croup (contagious upper airway viral infection), nationwide</td>
<td></td>
<td>10,706</td>
</tr>
<tr>
<td>1870</td>
<td>Croup (contagious upper airway viral infection), nationwide</td>
<td></td>
<td>10,692</td>
</tr>
<tr>
<td>1914</td>
<td>The Year, Influenza and Pneumonia, NYC, NY</td>
<td></td>
<td>10,500</td>
</tr>
<tr>
<td>1854</td>
<td>Cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston</td>
<td>--10,275-10,467</td>
<td></td>
</tr>
<tr>
<td>1907</td>
<td>Diphtheria and Croup, nationwide, esp. NY and PA (esp. Philadelphia)</td>
<td></td>
<td>10,154</td>
</tr>
<tr>
<td>1907</td>
<td>Influenza, Census <em>Registration States and Localities</em></td>
<td></td>
<td>10,066</td>
</tr>
<tr>
<td>1867</td>
<td>July-Dec, Yellow Fever, esp. New Orleans, Galveston/Houston; also AL/FL/MS/TN</td>
<td></td>
<td>10,004</td>
</tr>
<tr>
<td>1859</td>
<td>Measles Epidemic, Native Americans, FL</td>
<td></td>
<td>10,000</td>
</tr>
<tr>
<td>1798</td>
<td>Yellow Fever Epidemic, East Coast Port Cities</td>
<td></td>
<td>10,000</td>
</tr>
<tr>
<td>1837</td>
<td>Smallpox, California Native Americans</td>
<td></td>
<td>2,000-10,000</td>
</tr>
<tr>
<td>1848</td>
<td>Sep-early ‘49, Measles/Whooping Cough/Dysentery/Influenza Epidemics, HI</td>
<td></td>
<td>10,000</td>
</tr>
<tr>
<td>1849-50</td>
<td>Scurvy, California Gold Rush Immigrants</td>
<td></td>
<td>~10,000</td>
</tr>
<tr>
<td>1900</td>
<td>Whooping Cough, esp. NY/988, PA/702, TX/576, IL/497, AL/494, TN/425</td>
<td>--9,958</td>
<td></td>
</tr>
<tr>
<td>1861</td>
<td>May 1-June 30, 1866, Smallpox, Union soldiers and Confederate prisoners</td>
<td>--9,682</td>
<td></td>
</tr>
<tr>
<td>1850</td>
<td>Scarlet Fever, esp. PA/1,974, OH/1,301, NY/1,028, MA/571, MD/561, VA/523</td>
<td>--9,584</td>
<td></td>
</tr>
<tr>
<td>1853</td>
<td>Smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC</td>
<td>--7,450-9,450</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Measles, nationwide</td>
<td></td>
<td>--9,237</td>
</tr>
<tr>
<td>1919</td>
<td>Diphtheria, 31 reporting states, DC &amp; PR, esp. CT, DC, IL, MI, NJ, NY, OH</td>
<td>--9,160</td>
<td></td>
</tr>
<tr>
<td>1918</td>
<td>Typhoid Fever, 33 Registration States, DC and Puerto Rico, esp. TX</td>
<td>--9,100</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Whooping or “Hooping” Cough, nationwide, esp. NY, IL, IN, OH, PA</td>
<td>--9,008</td>
<td></td>
</tr>
<tr>
<td>1872</td>
<td>Smallpox, esp. Baltimore, Boston, Cincinnati, IL, NYC, Philly, St. Louis</td>
<td>--8,957</td>
<td></td>
</tr>
<tr>
<td>1900</td>
<td>Smallpox, esp. MS/782, LA/708 NM/287 VA/263 AL/224 AR/195 TX/146-8,484</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1860</td>
<td>Whooping Cough, nationwide, especially, NY, NC, OH, PA, and VA</td>
<td>--8,408</td>
<td></td>
</tr>
<tr>
<td>1925</td>
<td>Typhoid &amp; paratyphoid Fever, 48 States, esp. KY/668, TN/653, LA/649</td>
<td>--8,287</td>
<td></td>
</tr>
<tr>
<td>1880</td>
<td>Measles, nationwide, especially GA, IL, IN, KS and MO</td>
<td>--8,254</td>
<td></td>
</tr>
<tr>
<td>2013</td>
<td>Viral Hepatitis, ICD-10 code B-15-B19, esp. OR/6.0 death rate, DC/5.9</td>
<td>--8,157</td>
<td></td>
</tr>
<tr>
<td>2014</td>
<td>Viral Hepatitis, ICD-10 code B-15-B19, esp. DC, OR (5.3 death rate per 100,000)</td>
<td>--8,081</td>
<td></td>
</tr>
<tr>
<td>2012</td>
<td>Viral Hepatitis, ICD-10 code B-15-B19, esp. NM/99, AZ/291, CA/1,387</td>
<td>--8,062</td>
<td></td>
</tr>
</tbody>
</table>

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222 Data from 34 Census Bureau Registration States and a number of cities >100,000 in non-registration states.
223 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 guestimate (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.”
224 Severe vitamin C deficiency which can lead to death. GARD (Genetic and Rare Diseases Information Center), National Institutes of Health, U.S. Dept. of Health & Human Services, includes scurvy as a disease and shows a table which “lists symptoms that people with this disease may have.”
225 There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.
107. 1925 -- Diphtheria, esp. NY/1006 PA/973 IL/409 OH/392 MI/360, NJ/337 MA/334--8,058

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

108. 2011 -- Viral Hepatitis, ICD-10 code B-15-19 (death rate 2.5 per 100K), esp. DC (7.1)  --7,850
109. 1920 -- Measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496226 --7,712
110. 2010 -- Viral Hepatitis, ICD-10 code B-15-19 (death rate 2.4 per 100K), esp. OK (4.9) --7,564
111. 1879 -- June-May 1880, Meningitis, especially KY, NY, PA, MO and TN  --7,481
112. 2015 -- Viral Hepatitis, ICD-10 code B15-B19, esp. DC (death rate 6.4 per 100,000) --7,461
113. 1916 -- July-Sep esp. Polio, esp. NYC/NY (3,331), NJ (1,180), PA (414) --6,745--7,000
114. 1882 -- Smallpox, esp. Chicago, Cincinnati, PA, Baltimore, NOLA, TN; elsewhere--6,992
115. 1925 -- Whooping Cough, esp. PA/648, NY/523, CA/481, OH/374, IL/315, MA/279--6,948
117. 1885 -- June-Dec, Yellow Fever, esp. Charleston SC; Galveston, Indiana; New Orleans--4855-6,490
118. 2016 -- Viral Hepatitis, ICD-10 code B15-B19, esp. DC (death rate 4.8 per 100K; US 2.0) --6,421
119. 1858 -- June-Dec, Yellow Fever, esp. Charleston SC; Galveston, Indianola; New Orleans --4855-6,490
120. 1900 -- Scarlet Fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334 --6,333
121. 1870 -- Diphtheria, nationwide         --6,303
122. 1855 -- Whooping Cough, esp. NY/649, OH/450, GA/385; also DE, HI, NJ, etc. --6,303
123. 1850 -- Measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496226 --7,712
125. 1858 -- June-Dec, Yellow Fever, esp. Charleston SC; Galveston, Indiana; New Orleans--4855-6,490
126. 2015 -- Viral Hepatitis, ICD-10 code B15-B19, esp. DC (death rate 4.8 per 100K; US 2.0) --6,421
127. 1882 -- Smallpox, esp. Chicago, Cincinnati, PA, Baltimore, NOLA, TN; elsewhere--6,992
128. 1925 -- Whooping Cough, esp. PA/648, NY/523, CA/481, OH/374, IL/315, MA/279--6,948
129. 1900 -- Scarlet Fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334 --6,333
130. 1870 -- Diphtheria, nationwide         --6,303
131. 1855 -- June-Nov, Yellow Fever, esp. New Orleans/2670; Norfolk/Portland, VA/3K--6,059
132. 1897 -- Typhoid Fever, esp. CT, DC, IN, MI, MN NY, OH, PA, Denver, St. Louis --5,855
133. 1931 -- The year, Diphtheria, especially children, especially AR, IL, KY and PA --5,738
134. 1864 -- Feb 24-Apr 17, 1865, Diarrhea & Dysentery, Union POW's, Andersonville, GA --5,605
136. 2015 -- Influenza (ICD-10 codes J09, J10, J11), esp. KY/2000, WV/4000, IL/3808-6,353
137. 1881 -- Smallpox, esp. Philly, Pittsburgh, Chicago, NYC, Richmond; also DE, HI, NJ, etc. --5,165
138. 1906 -- Measles, Nationwide            --5,087
139. 1735-1741 (esp. 1735-37), “Throat Distemper” (Diphtheria),228 esp. CT/ME/MA/NH--5,000
140. 1793 -- Aug–Nov, Yellow Fever Epidemic, Philadelphia, PA --4,041-5,000
141. 1897 -- Typhoid Fever, esp. CT, DC, IN, MI, MN NY, OH, PA, Denver, St. Louis --5,855
142. 1931 -- The year, Diphtheria, especially children, especially AR, IL, KY and PA --5,738
143. 1864 -- Feb 24-Apr 17, 1865, Diarrhea & Dysentery, Union POW’s, Andersonville, GA --5,605
144. 1850 -- June-Nov, Yellow Fever, esp. Charleston SC; Galveston, Indiana; New Orleans--4855-6,490
146. 2015 -- Influenza (ICD-10 codes J09, J10, J11, J11.8) --5,251
147. 1881 -- Smallpox, esp. Philly, Pittsburgh, Chicago, NYC, Richmond; also DE, HI, NJ, etc. --5,165
148. 1906 -- Measles, Nationwide            --5,087
149. 1735-1741 (esp. 1735-37), “Throat Distemper” (Diphtheria),228 esp. CT/ME/MA/NH--5,000
150. 1793 -- Aug–Nov, Yellow Fever Epidemic, Philadelphia, PA --4,041-5,000

226 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.
227 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.
228 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.
DISEASES, especially communicable/infectious, especially epidemics — By Mortality  Cont.

140. 1873 -- Feb-Sep, Cholera, esp. AL/AR/IL/IN/KY/MA/MS/MO/OH/TN  ~4,539-4,599
141. 1870 -- Smallpox, Nationwide  --4,457
142. 1887 -- Diphtheria, NYC, NY  --4,309
143. 1871 -- Winter-March 1872, Smallpox Epidemic, Philadelphia, PA  --4,464
144. 1906 -- Tuberculosis, Philadelphia, PA  --3,574
145. 1912 -- Mar 24-Jun 8, Pneumonia, Chicago, IL, NYC, NY  --4,342
146. 1910 -- Measles, Census States and localities  --4,302
147. 1854 -- Jun-Dec, Yellow Fever, esp. Jacksonville, Charleston, Galveston, NOLA, Savannah  ~3,400
148. 1978 -- Influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7  --4,052
149. 1920 -- Scarlet Fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE  --4,004
150. 1815-16, Winter -- Smallpox Epidemic, Comanche Nation  --4,000

151. 1860 -- Measles, especially NY, OH, MO and PA  3,809-3,900
152. 1906 -- Tuberculosis, Philadelphia, PA  --3,742
153. 2013 -- Influenza, ICD-10 codes J09-11, esp. SD (3.6) MT (3.5) ME (3.2) death rates  --3,697
154. 1864 -- Feb-April 1865, Scurvy, Union POW’s, Camp Sumter, Andersonville, GA  --3,614
155. 1873 -- July-Dec, Yellow Fever, esp. Memphis, AL, Pensacola, Louisville, LA, TX  --3,542
156. 1931 -- Measles, especially children, especially IL and PA  --3,576
157. 1920 -- Dysentery, 33 registration states  --3,574
158. 1930 -- Malaria, nationwide, esp. AL, AR, FL, GA, LA, MS, OK, SC, TN, TX  --3,572
159. 1841 -- Yellow Fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston  --3,498
160. 1909 -- Tuberculosis, Philadelphia, PA  --3,496
161. 1908 -- Tuberculosis, Philadelphia, PA  --3,490
162. 1904-05 -- Cerebrospinal Meningitis Epidemic, New York City  --2,594-3,428
163. 1847 -- Yellow Fever, esp. New Orleans, also Galveston, Mobile, Pensacola, Vicksburg  --3,400
164. 1943 -- Jan-Dec, Whooping Cough, especially children, nationwide  --3,368
165. 1905 -- The Year, Tuberculosis, Philadelphia, PA  --3,365
166. 1851 -- esp. June-Aug, Cholera, esp. St. Louis, IL, NOLA, Cincinnati, SD  --3,314-3,322
167. 1992 -- Polio Epidemic, Nationwide, esp. upper Midwest  3,000-3,300
168. 1910 -- Tuberculosis, Philadelphia, PA  --3,190
169. 1920 -- Malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183  --3,136
171. 1976 -- Tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6  --3,130
172. 1896 -- Measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT  --3,178

229 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.

230 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.

231 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 Matamoras, Texas. Mostly late Summer and Fall.

232 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.
173. 1939 -- Whooping Cough, nationally, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA --3,026
174. 1819 -- Yellow Fever, esp. Charleston/Mobile/Natchez; most esp. New Orleans --2871-3019
175. 1981 -- Influenza, US death rate 1.31 per 100K, esp. SD/4.2, IA/3.5, UT/3.3, VT/3.3 --3,006
176. 1804 -- Epidemic, Possibly Cholera (or Typhoid or Plague) Natives, Oahu, Hawaii >3,000

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

177. 1850 -- Measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
178. 1940 -- Whooping Cough, Nationwide, especially TX and KY --2,926
179. 1875 -- Smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,699
180. 1891 -- Typhoid Fever Epidemic, Chicago (2,000), DC (208), Philadelphia (516) --2,724
181. 1893 -- Dec 24- Dec 22, 1894 -- Diphtheria, Brooklyn & NYC --2,858
182. 1931 -- “Epidemic Cerebrospinal Meningitis,” especially IL, NY and PA --2,832
183. 1944 -- Cerebrospinal Meningitis, Nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
184. 1822 -- Yellow Fever, esp. late Sum-Fall, esp. NOLA/Marietta OH/NYC/Pensacola --2,741
185. 1880 -- Influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
186. 1877 -- Measles/Flu Epidemics, Native Alaskans, esp. western AK--~2000-2500
188. 1925 -- Scarlet Fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169 --2,762
189. 1900 -- June-Dec, Measles/Flu Epidemics, Native Alaskans, esp. western AK--2,722
191. 1880 -- Influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
192. 1899 -- Tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914
193. 1822 -- Yellow Fever, esp. late Sum-Fall, esp. NOLA/Marietta OH/NYC/Pensacola --2,741
194. 1944 -- Cerebrospinal Meningitis, Nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
195. 1931 -- Scarlet Fever, especially children, especially IL --2,651
196. 2009 -- Diarrhoea and Gastroenteritis of Infections Origin (ICD-10 code A09) --2,756
197. 1940 -- Whooping Cough, Nationwide, especially TX and KY --2,926
199. 2009 -- Diarrhoea and Gastroenteritis of Infections Origin (ICD-10 code A09) --2,756
200. 1931 -- Scarlet Fever, especially children, especially IL --2,651
201. 2010 -- Diarrhoea and Gastroenteritis of Infections Origin (ICD-10 code A09) --2,741
203. 1850 -- Measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
204. 1900 -- June-Dec, Measles/Flu Epidemics, Native Alaskans, esp. western AK--2,722
205. 2010 -- Diarrhoea and Gastroenteritis of Infections Origin (ICD-10 code A09) --2,741
206. 1895 -- Scarlet Fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169 --2,762
207. 1877 -- Measles/Flu Epidemics, Native Alaskans, esp. western AK--2,722
208. 1940 -- Whooping Cough, Nationwide, especially TX and KY --2,926
209. 1893 -- Dec 24- Dec 22, 1894 -- Diphtheria, Brooklyn & NYC --2,858
210. 1944 -- Cerebrospinal Meningitis, Nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
211. 1891 -- Typhoid Fever Epidemic, Chicago (2,000), DC (208), Philadelphia (516) --2,724
212. 1931 -- Scarlet Fever, especially children, especially IL --2,651

233 “Epidemic Cerebrospinal Meningitis,” is the name used for this malady in U.S. Census, *Mortality Statistics 1931.*
234 Also includes 101 fatalities on the U.S. Frigate *Macedonian,* sailing in the Caribbean late Spring to mid Summer.
235 This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality

214. 1990 -- Influenza, US death rate 0.84 per 100K; esp. NE/3.5; IA/3.1; ID/2.3; SD/2.3 --2,098
215. 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
216. 1863 -- Sep-June 1865, Diarrhea & Dysentery, Confederate POWs, Point Lookout MD --2,050
217. 1927 -- Polio (Acute), especially late Summer and Fall, especially children --2,013
218. 1979 -- Tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
219. 1709-10 -- Smallpox Epidemic, Native Americans, lower CA --2,000
220. 1634-35 -- Smallpox Epidemic, Five Nations, especially Mohawks, Upper NY --2,000
221. 1616 -- Unknown Epidemic Disease, Natives, esp. neat coasts of MA, ME, RI --Thousands
222. 1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec, Nationwide, esp. GA, IL, NC, TX, VA --1,997
223. 1980 -- Tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC/1.79, AL/1.74 --1,978
224. 1863 -- Sep-June 1865, Diarrhea & Dysentery, Confederate POWs, Point Lookout MD --2,050
225. 1927 -- Polio (Acute), especially late Summer and Fall, especially children --2,013
226. 1979 -- Tuberculosis, US death rate 0.84 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
227. 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
228. 1927 -- Polio (Acute), especially late Summer and Fall, especially children --2,013
229. 1979 -- Tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
230. 1980 -- Tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC/1.79, AL/1.74 --2,007
231. 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
232. 1863 -- Sep-June 1865, Diarrhea & Dysentery, Confederate POWs, Point Lookout MD --2,050
233. 1927 -- Polio (Acute), especially late Summer and Fall, especially children --2,013
234. 1979 -- Tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
235. 1980 -- Tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC/1.79, AL/1.74 --2,007
236. We are assuming that if thousands died, then at least 2,000 must have died.
237. 1980 -- Tuberculosis, death rate 0.74 per 100K, esp. DC/1.96, DC/1.96, FL/1.43 --1,937
238. 1981 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
239. 1982 -- Tuberculosis, death rate 0.74 per 100K, esp. DC/1.96, DC/1.96, FL/1.43 --1,937
240. 1800 -- Yellow Fever, esp. Baltimore, Charleston SC, Norfolk, Providence RI --1,800
241. 1939 -- Malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX --1,761
242. 1987 -- Tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755
243. 1988 -- Tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43 --1,937
244. 1837 -- Aug-Nov, Yellow Fever Epidemics, Mobile AL; New Orleans LA; Natchez MS --1,930
245. 1944 -- Measles, especially Jan-June, Nationwide, esp. CA, GA, OH, PA, TX --1,923
246. 1944 -- Whooping Cough, Nationwide, especially NC, VA, TX, SC, KY, MS --1,878
247. 1946 -- Especially July-Nov, Polio, esp. IL, MN and TX --1,845
248. 1855 -- May-Aug, Cholera, IL//KS/KY/MO/WI, esp. New Orleans/883 --1,797-1,869
249. 1948 -- Polio, especially CA, MN, NC, OH, SD, TX and WI --1,895
250. 2005 -- Influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) --1,812
251. 2008 -- Influenza, ICD-10 codes J09-11,8; US death rate 0.63 per 100K; esp. SD (2.661) --1,792
252. 1870 -- Typhus, nationwide, especially IL, IN, NY, and PA --1,772
253. 2003 -- Influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) --1,792
254. 1986 -- Tuberculosis, death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84 --1,838
255. 2005 -- Influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) --1,792
256. 2000 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) --1,765
257. 1939 -- Malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX --1,761
258. 1987 -- Tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755
259. 1985 -- Tuberculosis, US death rate 0.74 per 100K, esp. DC/3.46, GA/1.34, AL/1.23 --1,752
260. 1984 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729
261. 1998 -- Influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) --1,724
252. 1911 -- Typhoid Fever, PA --1,716
253. 1991 -- Tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32. NY/1.62; AR/1.17 --1,713
254. 1992 -- Tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33 --1,705

255. 1834 -- ~Jul-Nov, Cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
256. 1862 -- Yellow Fever, esp. Wilmington NC/>653; TX coast/>328; Key West --1,679

257. 1834 -- ~Jul-Nov, Cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
258. 1862 -- Yellow Fever, esp. Wilmington NC/>653; TX coast/>328; Key West --1,679

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

261. 1921 -- Polio (Acute), esp. late Summer-Fall, esp. children, esp. NY, IL, WA, MI --1,597
262. 1989 -- Influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593
263. 2009 -- Influenza (avian), ICD-10 code J09 (US death rate 0.5 per 100K) esp. MT (1.3) --1,557
264. 1951 -- Polio, especially July-Nov, especially CA, IL, TX --1,551-1,555
265. 1867 -- Jun-Dec, Cholera Epidemic, esp. New Orleans, St. Louis, TN, U.S. Army --1,536
266. 2011 -- Influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K) --1,532
267. 1875 -- Consumption (Tuberculosis), leading cause of death in State for year, MI --1,536
268. 1894 -- Jan-Dec 17 Smallpox, New England and NY, settlers and natives >820-1,500
269. 1801-02 -- Smallpox, Native Americans, esp. Omaha, esp. Midwest, Northwest --1,500

270. 1914 -- The Year, Diphtheria and Croup, NYC, NY --1,489
271. 1843 -- July-Nov, Yellow Fever, esp. Mobile AL (240-750), New Orleans (487-700)-758-1481
272. 1875 -- Consumption (Tuberculosis), leading cause of death in State for year, MI --1,479
273. 1994 -- Tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86 --1,478
274. 1937 -- Polio (Acute), especially late Summer and Fall, especially children --1,461
275. 1953 -- Polio, especially CA, IL, MI, and NY --1,450
276. 1940 -- Malaria, especially AL, AR, GA, MS, SC and TX --1,442
277. 1983 -- Influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
278. 1930 -- Polio (Acute), especially late Summer and Fall, especially children --1,370
279. 1944 -- Polio (Acute), especially July-Nov (1,070 deaths), esp. NY, OH and PA --1,381
280. 1937 -- Polio (Acute), especially late Summer and Fall, especially children --1,370
281. 1954 -- Polio (Acute), especially late Summer and Fall, especially children --1,368
282. 1799 -- Yellow Fever, esp. Charleston SC, NYC, Philadelphia, Delaware & Greene 1,356
283. 1995 -- Tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89 --1,336
284. 1820 -- May-Dec, Yellow Fever, Savannah GA/New Orleans/NYC/Philadelphia --1,335
285. 1913 -- Diphtheria, NYC, NY --1,333
286. 1871 -- Scarlet Fever, especially children, Baltimore, MD (625), and MI (696) --1,321
287. 1912 -- Typhoid, Pennsylvania --1,310
288. 1977 -- Influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98--1,304
292. 1943 -- Measles, especially children  --1,301

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

Continued

293. 1862 -- Feb-Jun 1865 (41 mo.), pneumonia/pleurisy, Confederate POWs, Camp Douglas IL- 1,296
294. 1876 -- Yellow Fever, Savannah (also Brunswick), GA; also New Orleans & Baltimore  --1,293
295. 1880 -- Smallpox, CA, CT, DC, IL, LA, MA, NJ, NM, NY, especially Philly & TX  --1,284
296. 1911 -- Diphtheria and Croup, NYC, NY  --1,281
297. 1915 -- Diphtheria, NYC, NY  --1,278
298. 1860 -- Smallpox, esp. MA/473, NY/303, OH/135, PA/87, ME/56, VA/24  --1,263-1,271
299. 1817 -- June-Dec, Yellow Fever, esp. Charleston SC, Natchez MS, New Orleans-1208-1,233
300. 1994 -- Influenza, US death rate 0.47 per 100K; esp. SD/2.6; MT/1.7; IA/1.5; NE/1.22--1,229
301. 1996 -- Tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92  --1,202
302. 1873 -- Smallpox, esp. Chicago (515) and Baltimore (631); also Cincinnati (48)  --1,194
303. 1945 -- Polio (Acute), especially July-Nov (Sept. peak)  --1,186
304. 1917 -- Polio, especially Jun-Sep, Census registration area (27 States, some cities)  >,1182
305. 1997 -- Tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99  --1,166
306. 1848 -- Dec, Cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX  --1,159
307. 1943 -- Polio (Acute), especially late Summer and Fall, especially children  --1,151
308. 1829 -- Yellow Fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA/900--1,146
309. 1991 -- Influenza, US death rate 0.45 per 100K; esp. NE/2.6, ND/1.73, IA/1.54  --1,137
310. 1905 -- May 21-Nov, Yellow Fever, esp. LA (esp. New Orleans/455), Pensacola, MS-1,131
311. 1874 -- Scarlet Fever, especially children, MI (440) and Cincinnati, OH (687)  --1,127
312. 1912 -- Diphtheria, NYC, NY  --1,125
313. 2012 -- Influenza, ICD-10 codes J09-11; US death rate 0.4; SD, 2.5 per 100K  --1,106
314. 1998 -- Tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72  --1,112
315. 2004 -- Influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827)  --1,100
316. 1984 -- Influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3  --1,096
317. 1925 -- Meningococcus meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51  --1,095
318. 1872 -- Cerebral Spinal Meningitis, MA (esp. Boston), NYC, PA (esp. Philly)  --1,090
319. 1772 -- Measles Epidemics, Charleston, SC (800-900), Philadelphia, PA (180)  --980-1,080
320. 1924 -- Polio (Acute), especially late Summer and Fall, especially children  --1,079
321. 1879 -- Diphtheria, MN (955) and Hudson County, NJ (120)237  --1,071
322. 1992 -- Influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37--1,044
323. 1935 -- Polio (Acute), especially late Summer-and Fall, especially children  --1,040
324. 1870 -- May-Dec, Yellow Fever, esp. New Orleans/587 Mobile/173 Brunswick GA--1,038
325. 1899 -- Typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia--1,026
326. 1940 -- Polio, Nationwide, especially IL, IN, KS, MI, OH and WV  --1,026
327. 1992 -- Influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27  --1,006
329. 1633-1634 -- Smallpox Epidemic, New England Natives, Plymouth Colonists, MA-->1000
330. 1663 -- Smallpox, Fort Orange, NY and Northern “NY” Native American Tribes  --1,000
331. 1677-78 -- Smallpox Epidemic, Massachusetts Bay Colony, esp. Boston & vic. --750-1,000

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237 There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality

332. 1833 -- Early Aug-early Nov, Yellow Fever Epidemic, New Orleans, LA --1,000

333. 1731 -- Smallpox Epidemics, New York City (548-700) and Philadelphia (288) --836-988
334. 1796 -- Yellow Fever, esp. Charleston, SC/300, New Orleans/250-400; Wilmington, NC/150--836-986
335. 1868 -- June-Dec, Smallpox, esp. Chicago, Cincinnati, Milwaukee, San Francisco  -- 960
336. 1864 -- Feb-June 1865 (17 mo.), pneumonia/pleurisy, Confederate POWs, Camp Chase OH--954
337. 1887 -- Yellow Fever Outbreaks, esp. Fernandina & Tampa, FL & New Orleans, LA-- 941
338. 1760 -- Smallpox Epidemic, Charleston SC (as well as undocumented Native deaths)- 730-940
339. 1848 -- Yellow Fever, Jun-Nov, Mobile, New Orleans, NY Marine Hospital  -- 938
340. 1876 -- Smallpox, Cincinnati, OH  -- 934
341. 1999 -- Tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608 -- 930
342. 1849 -- Yellow Fever Epidemic -- Charleston SC, New Orleans    -- 912
343. 1875 -- Croup and Diphtheria, MI (374) and Hudson County, NJ (533)  -- 907
344. 1756 -- Smallpox Epidemic, Philadelphia  -- 900
346. 1870 -- Scarlet Fever, primarily children, MI  -- 852
347. 1932 -- Polio (Acute), especially late Summer and Fall, especially children  -- 823
348. 1937 -- Scarlet Fever, Boston, MA, New York City, NY, Philadelphia, PA -- 823
349. 1941 -- Polio (Acute), especially late Summer and Fall, especially children  -- 807
350. 1795 -- July 19–Oct 12, Yellow Fever Epidemic, NY City, also Providence RI  ~745-800
351. 1833 -- Malaria Epidemic, ConCow Maidu Villages, Butte County, CA vicinity  -- ~745
352. 1869 -- Smallpox Epidemic, Gros Ventre Natives, Montana Territory  --700--800
353. 1809 -- Yellow Fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA-- 850
354. 2006 -- Influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605)-- 849
355. 1922 -- Polio (Acute), especially late Summer and Fall, especially children  -- 790
356. 1879 -- July-Dec, Yellow Fever, Forest City, AR, Louisiana, MS, Memphis, TN --682-786
357. 1929 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
358. 1941 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
359. 1796 -- Scarlet Fever epidemic (especially children), Marblehead, MA and esp. VT --681-846
360. 1932 -- Polio (Acute), especially late Summer and Fall, especially children  -- 797
361. 1837 -- Scarlet Fever, Boston, MA, New York City, NY, Philadelphia, PA -- 823
362. 1933 -- Polio (Acute), especially late Summer and Fall, especially children  -- 790
363. 1899 -- Tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608 -- 930
364. 1923 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
365. 1849 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
366. 1936 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
367. 1929 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
368. 1933 -- Polio (Acute), especially late Summer and Fall, especially children  -- 784
369. 1861 -- Smallpox Outbreak, Philadelphia, PA  -- 758

238 Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.
1702 -- Summer to late Fall, Yellow Fever Epidemic, New York City, NY

1759 -- Smallpox Epidemic, Philadelphia, PA

2008 -- Tuberculosis, ICD-10 code A16-19, death rate 0.19; esp. MS (above avg. rate) -- 585

2010 -- Tuberculosis, ICD-10 Code A16-19, esp. AL, CA, KY, TX (above avg. death rate)-- 569

239 “Diarrhoea and Dysentery.”
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality

435. 1804 -- Tuberculosis, “Phthisis Pulmonalis,” New York City (2,125 deaths all causes)--499
436. 1873 -- Cerebral Spinal Meningitis, Boston & Lowell MA, Philadelphia, PA -- 499
437. 2014 -- Tuberculosis, ICD-10 Code A16-A19, especially CA (101) -- 493
438. 1938 -- Polio (Acute), especially late Summer and Fall, especially children -- 487
439. 1775 -- Dysentery, DE, MD, NJ (≥10), but primarily CT (≥146) and MA (≥326) -- ≥482
440. 1876 -- May 19-July 1, 1877, Smallpox Epidemic, San Francisco, CA -- 482
441. 2008-09 -- Influenza deaths (out of 1,585,938 US deaths) -- 473
442. 2015-- Tuberculosis, ICD-10 Codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22 -- 470
443. 1893 -- Cerebrospinal Meningitis Epidemic, New York City, NY -- 469
444. 1950 -- Measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25)-- 468
445. 1805 -- Tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes)-- 462
446. 1881 -- Cerebrospinal Meningitis Epidemic, New York City, NY -- 461
447. 1836 -- Scarlet Fever, Boston, MA, New York City, NY, Philadelphia, PA -- 458
448. 1871 -- July 30-Dec 18, Yellow Fever, esp. MS/143, Charleston SC/213, New Orleans/55--454
449. 1959 -- Polio (Acute), especially late Summer and Fall, especially children -- 454
450. 1914 -- The Year, Scarlet Fever, NYC, NY -- 451
451. 1836-37 -- Measles, New York City, NY -- 443

240 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.
241 The ICD-10 Code for Influenza and Pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality Cont.

452. 1609-10 -- Winter, Starvation, Disease, Attack, Jamestown Colony, VA242 >400-440
453. 1911 -- Polio, esp. children, nationwide, esp. IL, IN, IA, MA, MN, NY, PA, WI -- 440
454. 1914 -- Polio, the year, especially Summer-Fall, especially children, nation 413-434
455. 1875 -- Typhoid Fever, 3rd leading cause of death in MI for year -- 433
456. 1825 -- Yellow Fever, esp. Mobile, Key West & Pensacola, NOLA, Natchez, Washington MS-428
457. 1834 -- Smallpox, New York City, NY and Philadelphia, PA -- 428
458. 1852 -- Smallpox Outbreak, Philadelphia, PA -- 427
459. 1913 -- Polio, especially June-Sep (Sep peak), especially children -- 426
460. 1913 -- Measles, the year, NYC, NY and Pittsburgh, PA -- 423
461. 1777 -- Dysentery, CT, NJ, PA, VT, and especially MA (>255) and NY (>100) -- >416
462. 1910 -- Smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67) --403-415
463. 1821 -- Summer-fall, Yellow Fever, esp. Norfolk VA (~160); St Augustine, FL (172)--414
464. 2007 -- Influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33) -- 411
465. 1832 -- Yellow Fever Outbreak, New Orleans, LA -- 400
466. 1874 -- Aug 17-Nov 9, Yellow Fever, Pensacola, Warrington, Woolsey, FL/381; also N.O.-- 398
467. 1861 -- May 1-June 30, 1865, Scurvy, white Union troops (non-POWs) -- 383
468. 1863 -- Polio, the year, especially children, nation -- 380
469. 1838 -- Yellow Fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)-376
470. 1824 -- July-Nov, Yellow Fever, esp. Charleston SC (235); New Orleans LA (>108)--364-373
471. 1914 -- The Year, Measles, NYC, NY -- 367
472. 1585, June-June 1586, Disease, Natives visited by English from Roanoke Colony, NC>360
473. 1856 -- Aug-Sep, Yellow Fever, Charleston SC/212-266, New Orleans/74, NY/12-304-358
474. 1806 -- Tuberculosis (Phthisis Pulmonalis), New York City (2,225 deaths all causes)-- 354
475. 1857 -- June-Dec, Yellow Fever, Charleston SC, Jacksonville FL/127, New Orleans/199--353
476. 1877 -- Diphtheria, the year, Santa Cruz, CA; Hudson County, NJ -- 349
477. 1914 -- Polio, the year, especially Summer-Fall, especially children, nation -- 349
478. 1998 -- Infectious colitis, enteritis, gastroenteritis, ICD-9 code 009.0, death rate 0.124 per 100K-- 342
479. 1828 -- Yellow Fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150--332
480. 1876 -- Diphtheria, Hudson County, NJ -- 327
481. 1812 -- Feb-Apr, Spotted Fever/Meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT- 265-325
482. 1773 -- Smallpox Epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA---321
483. 1911 -- Oct-May 1912, Meningitis Epidemic, TX & OK -- 319
484. 1835 -- Aug-Sep, Yellow Fever, Charleston SC (25-26) New Orleans LA (284-289)-309-315
485. 1863 -- June-June 1865 (25 mo.), Dysentery/diarrhea, Confederate POWs, Camp Morton, IN--315
486. 1702 -- Summer (late) to early Spring 1703, Smallpox Epidemic, Boston, MA --302-313
487. 1738 -- Smallpox Epidemic, Charleston, SC -- 311
488. 1915 -- Polio, the year, especially Summer and Fall, especially children -- 311
489. 1912 -- Smallpox, 35 States and DC, especially TX (128); Pittsburgh (33) --301-307
490. 1945 -- Measles, especially children -- 307
491. 1667 -- Smallpox Epidemic, Native Americans, VA, especially eastern shore VA --300
492. 1697-98--Smallpox, Charleston, SC (pop. >5,000); (plus hundreds Native Americans)243-200-300

242 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.

121
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality

493. 1759-60 -- Smallpox Epidemic, Catawba Nation, SC -- ~300

494. 1538-39 -- Unknown epidemic, “Cofitachequi”\(^{244}\) Natives, central SC -- hundreds
495. 1586 -- Passamaquoddy Natives “Devastated” by Typhus Epidemic, Maine -- hundreds?
496. 1760-61 -- Wtr.-Spring, Influenza Epidemic, esp. Natives, esp. CT, MA, ME, PA -- hundreds
497. 1793 -- Dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic.-hundreds
498. 1878 -- Scarlet Fever, Hudson County, NJ (113); Fall, Cincinnati, OH (181) -- 294
499. 1815 -- Scarlet Fever, NYC, NY -- 291
500. 1751-52 -- “Throat Distemper” (Diphtheria), esp. Abington/Hingham/Weymouth, MA--240-290
501. 1859 -- Yellow Fever Epidemic, Galveston & Edinburgh TX; New Orleans, LA -- 290
502. 1842 -- July-Oct, Yellow Fever Epidemics, Mobile AL (66-77), New Orleans (211)-285-289
503. 1896 -- Smallpox, esp. New Orleans/238, Shreveport LA/11, Detroit/11, Dayton (8) -- 279
504. 1994 -- Meningococcal Meningitis, ICD-9 code 36.0; death rate 0.10 per 100K; esp. CO-- 276
505. 1754 -- Typhoid Fever, Philadelphia, PA -- 273
506. 1869 -- Smallpox, Cincinnati, OH (231), Michigan (42) -- 273
507. 1900 -- Polio (Acute), IN, KS, MN, MT, ND, OR, especially MA and NE -- 266
508. 1741 -- Yellow Fever Epidemic, Boston MA and especially Philadelphia PA -- 265
509. 1877 -- Aug-Nov, Yellow Fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL--263
510. 1749 -- Dysentery Epidemics, CT, esp. Waterbury (130) Woodbury (57), CT --252-262
511. 1763--Aug-Feb 1774, Yellow Fever, Natives, Nantucket Isl., & Martha’s Vineyard, MA\(^{245}\)200-261
512. 1993 -- Meningococcal Meningitis, US death rate 0.10 per 100K; esp. CA & GA, 0.14-- 260
513. 2001 -- Influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20) -- 257
514. 1958 -- Polio (Acute), especially late Summer and Fall, especially children -- 255
515. 1811 -- Oct-Apr 1812, Smallpox, New York City (117); Baltimore, MD (135) -- 252
516. 1869 -- Scarlet Fever, especially children, MI -- 252
517. 1711-12 -- Winter (within two months), “Malignant Distemper” (Influenza?), CT -- 250
518. 1742 -- Smallpox Outbreak in New York, NY -- 250
519. 1885 -- Typhoid Fever Epidemic, Plymouth, PA (114) & Washington, DC (124) -- 238
520. 1818 -- Yellow Fever epidemics, esp. Charleston SC (115); New Orleans, LA (115) -- 234
521. 1862 -- Feb-Jun 1865 (41 mo.), malarial fevers,\(^{246}\) Confederate POWs, Camp Douglas IL--233
523. 1877 -- Diphtheria, Hudson County, NJ -- 231
524. 1960 -- Polio (Acute), especially late Summer and Fall, especially children -- 230
525. 1862 -- Sep-June 1865 (34 months), Dysentery/diarrhea, Confederate POWs, Alton, IL--229
526. 1882 -- Jan 1-26, Scarlet Fever Outbreak, NY, NJ -- 227
527. 1864 -- Feb-Jun 1865 (17 mo.), Dysentery/diarrhea, Confederate POWs, Camp Chase, OH--226
528. 1756 -- Epidemics, esp. Dysentery; Mass. Bay Col., esp. Rutland/60, Lancaster/42, MA >225

\(^{243}\) 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.

\(^{244}\) 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.)

\(^{245}\) The Nantucket Island Native American population was decimated, only a small percentage survived.

\(^{246}\) Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).
<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1957</td>
<td>Polio</td>
<td>Especially late Summer and Fall, especially children</td>
<td>221</td>
</tr>
<tr>
<td>1732</td>
<td>May-Oct, Yellow Fever outbreaks</td>
<td>Charleston SC (130-150), NYC (70)</td>
<td>200-220</td>
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<tr>
<td>1898</td>
<td>Smallpox Epidemic</td>
<td>Moqui Indians, AZ</td>
<td>220</td>
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<td>1743</td>
<td>July 25-Oct, Yellow Fever Epidemic</td>
<td>New York City, NY</td>
<td>217</td>
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<tr>
<td>1877</td>
<td>Scarlet Fever</td>
<td>Hudson County, NJ</td>
<td>213</td>
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<tr>
<td>1866</td>
<td>Aug-Nov (esp.), Yellow Fever outbreaks</td>
<td>Especially New Orleans, LA (185)</td>
<td>211</td>
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<tr>
<td>1808</td>
<td>Year, Smallpox</td>
<td>Philadelphia, PA, New York City, NY</td>
<td>207</td>
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<tr>
<td>1791</td>
<td>Yellow Fever Epidemic</td>
<td>New York City, NY</td>
<td>200</td>
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<tr>
<td>1847</td>
<td>Measles Epidemic</td>
<td>Fall, Cayuse Indians, Southwestern WA</td>
<td>&gt;200</td>
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<tr>
<td>1863</td>
<td>Yellow Fever Outbreak</td>
<td>Pensacola, FL</td>
<td>200</td>
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<tr>
<td>1892</td>
<td>Typhus Fever</td>
<td>NYC, NY</td>
<td>200</td>
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<tr>
<td>1951</td>
<td>Year, Tuberculosis</td>
<td>CO</td>
<td>200</td>
</tr>
<tr>
<td>1955</td>
<td>Polio Epidemic</td>
<td>Boston, MA</td>
<td>~200</td>
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</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Mortality</th>
</tr>
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<tbody>
<tr>
<td>1804</td>
<td>Smallpox Outbreak</td>
<td>New York City, NY</td>
<td>164-199</td>
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<tr>
<td>1804</td>
<td>Yellow Fever Epidemics</td>
<td>NOLA, Brooklyn, NY &amp; especially Charleston, SC</td>
<td>198</td>
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<tr>
<td>1882</td>
<td>Yellow Fever, Aug-Nov, Pensacola, FL</td>
<td></td>
<td>198</td>
</tr>
<tr>
<td>1827</td>
<td>Yellow Fever, esp. Charleston, SC (64) &amp; New Orleans (109) epidemics</td>
<td></td>
<td>≥195</td>
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<tr>
<td>1820</td>
<td>Jan-March (mostly), Scurvy, Cantonment Missouri (Army), Council Bluff, NE</td>
<td></td>
<td>190</td>
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<tr>
<td>1893</td>
<td>Typhoid, Washington, DC</td>
<td></td>
<td>186</td>
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<tr>
<td>1876</td>
<td>Scarlet Fever, Hudson County, NJ</td>
<td></td>
<td>183</td>
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<tr>
<td>1892</td>
<td>Typhoid, Washington, DC</td>
<td></td>
<td>183</td>
</tr>
<tr>
<td>1918</td>
<td>Jun-Nov, Polio Outbreak, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY</td>
<td></td>
<td>~180</td>
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<tr>
<td>1816</td>
<td>Smallpox, New York City, NY</td>
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<td>179</td>
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<tr>
<td>1878</td>
<td>Diphtheria, Hudson County, NJ</td>
<td></td>
<td>177</td>
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<tr>
<td>1763</td>
<td>Dec-July 1764 -- Smallpox Epidemic, Boston (170) &amp; Cambridge (6), MA col.</td>
<td></td>
<td>176</td>
</tr>
<tr>
<td>1898</td>
<td>Aug 23-Nov 18, Yellow Fever, LA, especially New Orleans (57); MS (80)</td>
<td></td>
<td>175</td>
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<tr>
<td>1830</td>
<td>July-Fall, Yellow Fever, Charleston SC (39) &amp; especially New Orleans (132)</td>
<td></td>
<td>172</td>
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<tr>
<td>1889</td>
<td>Typhoid Fever, Washington, DC</td>
<td></td>
<td>170</td>
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<tr>
<td>1807</td>
<td>Yellow Fever Epidemic, especially Charleston, SC</td>
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<td>169</td>
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<tr>
<td>1888</td>
<td>Typhoid Fever, Washington, DC</td>
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<td>168</td>
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<tr>
<td>1858</td>
<td>Diphtheria, April-Fall, Albany, NY</td>
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<td>167</td>
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<tr>
<td>1863</td>
<td>Sep-June 1865 (20 months), Scurvy, Confederate POWs, Point Lookout MD</td>
<td></td>
<td>167</td>
</tr>
<tr>
<td>1846</td>
<td>Yellow Fever epidemic, New Orleans, LA (146-160); also Mobile AL (4)</td>
<td></td>
<td>151-165</td>
</tr>
<tr>
<td>1797</td>
<td>Sum-fall, Dysentery, esp. Nantucket Isl. (100), Westport, MA (30); Hanover NH (24)</td>
<td></td>
<td>163</td>
</tr>
<tr>
<td>1823</td>
<td>Smallpox, Epidemic, Philadelphia, PA</td>
<td></td>
<td>160</td>
</tr>
<tr>
<td>1895</td>
<td>Smallpox Outbreak, Feb 1-Jun 21 esp. Hot Springs AR, Chicago, Cincinnati</td>
<td></td>
<td>160</td>
</tr>
<tr>
<td>1736</td>
<td>Smallpox Epidemic, Philadelphia, PA</td>
<td></td>
<td>158</td>
</tr>
<tr>
<td>1795</td>
<td>Dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60</td>
<td></td>
<td>≥156</td>
</tr>
<tr>
<td>1801</td>
<td>Yellow Fever Epidemic, Queensborough, NYC, NY</td>
<td></td>
<td>156</td>
</tr>
</tbody>
</table>
568. 1920 -- Mumps, 33 registration states -- 152
569. 1847 -- Smallpox, Modoc Native Americans, Southwestern Oregon -- >150

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

570. 1864 -- Feb 24-Aug 3, Malarial Fevers\(^1\) Union POWs, Ft. Sumter, Andersonville GA-149
571. 2006 -- Diarrhoea/Gastroenteritis, Infectious Origin, esp. CA/20, PA/14 (above avg. death rate)-- 149
572. 1767-70-- Diphtheria epidemic (12% of population, mostly children), Oxford, MA-96-144
573. 1834 -- Yellow Fever Epidemic, New Orleans (>95), LA; Charleston (49), SC -- 144
574. 1872 -- Measles Epidemic, Philadelphia, PA -- 143
575. 1747 -- “Throat Distemper (Diphtheria), MA (>89) and Kensington, NH (48-52)- 137-
576. 1798 -- Sum-fall, Dysentery, VT, esp. Norwich/Pomfret/Salem/Sandgate, Shays’ Stlmt., VT-141
577. 1879 -- Smallpox, San Antonio, TX; also to lesser extent NYC, NY -- 141
578. 1802 ---Aug-Nov 2, Dysentery, esp. Greenfield & Shelburne MA (92), Bridport VT/16-137
579. 1911 -- Smallpox, 29 reporting States and the District of Columbia -- 134
580. 2008 -- Diarrhoea and Gastroenteritis of Infections Origin, esp. CA (17), NY (23) -- 134
581. 1909 -- Smallpox, 29 reporting States and the District of Columbia -- 132
582. 2005 -- Diarrhoea/Gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate)-- 132
583. 1728 -- Late Summer to Fall, Yellow Fever, Charleston, SC -- <130
584. 1796 -- Dysentery, VT, MA, esp. Sheffield/mill ponds area, MA & Worcester MA- 113-129
585. 2007 -- Diarrhoea/Gastroenteritis, Infectious Origin, esp. IL/10, NJ/10 (above avg. death rate)-- 127
586. 1899 -- July-Dec, Yellow Fever, esp. Key West/68 Miami/14; New Orleans/23; MS, VA--126
587. 1765 -- Yellow Fever Epidemic, Pensacola, FL -- 125
588. 1886 -- Typhoid Fever, Washington, DC -- 125
589. 1907 -- Summer-Autumn (Sep peak), Polio Epidemic, NY, esp. greater NYC --100-125
590. 1994 -- Chickenpox, especially CA (17), MI (10), NY (10) and TX (48) -- 124
591. 1867 -- Smallpox, Jan-Dec., Chicago, IL -- 123
592. 1894 -- Scarlet Fever Outbreak, Jan 20-Jun 16, Brooklyn & New York City, NY -- 123
593. 1879 -- Diphtheria, Hudson County, NJ -- 120
594. 1882 -- Typhoid Fever, Washington, DC -- 120
595. 1990 -- Chickenpox, US death rate 0.05 per 100K, esp. CA/26, NY/14, TX/10 -- 120
596. 1751 -- Dysentery Epidemic, Canaan (~10), Hartford (64) and New Haven (45), CT ---119
597. 1732 -- Smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY--104-118
598. 1887 -- Typhoid Fever, Washington, DC -- 116
599. 1906 -- Scarlet Fever, Week of Dec 21, Chicago, IL -- 115
600. 1995 -- Chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12) -- 115
601. 1735 -- Aug-July, 1736 -- Scarlet Fever Outbreak, Boston, MA --100-114
602. 1800 -- Sum., Dysentery outbreak, esp. children, esp. Francestown & Hanover NH--103-113
603. 1900-04 -- Bubonic Plague ‘Epidemic,” May-Feb, San Francisco, CA -- 113
604. 1749-50 -- “Throat Distemper” (Diphtheria), MA, esp. Tewksbury (>38) --106-112
605. 1778 -- Late Sum-Fall, Dysentery, esp. Dunstable, Lexington, Medford, Tewksbury, MA-111
606. 2004 -- Diarrhoea/Gastroenteritis, infectious origin, esp. FL/10, IL/10 (above avg. death rate)-- 111

\(^1\) Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).
DISEASES, especially communicable/infectious, especially epidemics – By Mortality  cont.

607. 1713 -- Oct-1714, Measles Epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA)-->109
608. 1769 -- Aug-Sep, Flux (Dysentery) and Fever Outbreak, esp. children, Boston, MA -- ~108
609. 1811 -- “Spotted Fever” (Meningitis), NH (≥10) & VT, esp. Woodstock (60-70), VT- 103-108
610. 1990 -- Measles Resurgence (largest loss of life since 1971), esp. young children --79-108
611. 1976 -- Chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7 -- 106
612. 1979 -- Chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5-- 103
613. 1875 -- Whooping Cough, MI -- 101
614. 1894 -- Whooping Cough Outbreak, Feb 4-10, New York City, NY -- 101
615. 1647 -- Influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- >100
616. 1758-59 -- Measles Epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA) -- >100
617. 1763 -- Smallpox Epidemic, Native Americans, CA -- >100
618. 1814-15 -- Wtr., “Putrid Sore Throat”? epidemic, eastern VA, esp. Northern Neck VA-->100
619. 1852 -- Smallpox outbreak, Native Americans, Nevada City vicinity, CA -- ~100
620. 1853 -- Typhoid outbreak, Native Americans, Nevada City vicinity, CA -- ~100
621. 1977 -- Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K -- 100
622. 1992 -- Chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07 -- 100
623. 1993 -- Chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16) -- 100
624. 1895 -- Diphtheria, Jan-Jun, esp. Boston, Brooklyn, New York -- 99
625. 1997 -- Chickenpox (Varicella), ICD-9 code 052, especially CA (12) -- 99
626. 1875 -- Yellow Fever Outbreak, Key West, FL & Pascagoula, MS -- 98
627. 2003 -- Diarrhoea/Gastroenteritis, Infectious Origin, esp. FL/17, NY/10 (above avg. death rate)--98
628. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (Diphtheria), Greenland & esp. Stratham, NH-- 97
629. 1792 -- Yellow Fever Epidemic, Charleston, SC -- <96
630. 1871 -- May 1-Dec, Smallpox, Newark, Essex County, NJ -- ~96
631. 1999 -- Diarrhoea and Gastroenteritis of infectious origin; no State with 10 deaths -- 96
632. 1855 -- Cholera, Sep 05, aboard Steamship Sierra Nevada, leaving NY -- 95
633. 1978 -- Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K -- 95
634. 1984 -- Meningococcal Meningitis, ICD-9 code 036.0, esp. CA and NY (8 each) -- 95
635. 1815 -- Smallpox, New York City, NY -- 94
636. 1863 -- Aug-June 1865 (23 months), Scurvy, Confederate POWs, Fort Delaware, DE-- 94
637. 1893 -- Diarrhoea/Gastroenteritis, Infectious Origin, esp. CA/12 (above avg. .034 death rate)--93
638. 1883 -- Typhoid Fever, Washington, DC -- 92
639. 1978 -- Chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT -- 91
640. 1961 -- Polio (Acute), especially late Summer and Fall, especially children -- 90
641. 1976 -- Polio (Acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6 -- 90
642. 1977 -- Chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each -- 89
643. 1987 -- Chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10) -- 89
644. 1989 -- Chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10) -- 89

248 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.
646. 1997 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12 -- 89
647. 1985 -- Meningococcal Meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5 -- 88
648. 1986 -- Meningococcal Meningitis, ICD-9 code 036.0, esp. CA (13), NY (10) -- 88
649. 1989 -- Meningococcal Meningitis, ICD-9 code 036.0, especially CA/20, NY/13 -- 88
650. 1888 -- Measles Epidemic, Omaha Nation, Nebraska Territory -- 87
651. 1908 -- Summer-Fall, Polio outbreak, IA, MA, MI, MN (13), VA, esp. WI (61) -- 87
652. 1995 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03 -- 88
653. 1727 -- Sum. esp., Typhoid fever-like epidemic Norwich (~40) & Woodbury (>44), CT -->84
654. 1747 -- Measles Epidemic, Philadelphia, PA (cases noted also in CT, NH, NY, SC) -- 84
655. 1808 -- Yellow Fever Epidemic, Sep 5-Oct, St. Mary’s, GA -- 84
656. 1981 -- Chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5 -- 84
657. 1803 -- Sum.-fall, Dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50)--82
658. 1776 -- Dysentery Epidemics, Shrewsbury, MA, especially, Stamford, CT -->82
659. 1990 -- Measles Epidemic, Omaha Nation, Nebraska Territory -- 72
660. 1884 -- Typhoid, Washington, DC -- 76
661. 1848 -- Scarlet Fever Outbreak, Mobile, AL -- 75
662. 2001 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10) -- 75
663. 1998 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10) -- 75
664. 1907 -- Bubonic Plague “Epidemic,” San Francisco, CA -- 78
665. 1980 -- Chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5 -- 78
666. 2002 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10) -- 78
667. 1776 -- Dysentery Epidemics, NY (especially northern NY), MA and NJ -- ≥76
668. 1794 -- Scarlet Fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT--≥76
669. 1874 -- Measles Epidemic, Omaha Nation, Nebraska Territory -- 76
670. 1753 -- “Throat Distemper (Diphtheria), Exeter, Stratham and Rye, NH -- ~72
671. 1799 -- Malignant Dysentery Epidemics, Shrewsbury, MA, esp. Stamford (one st.), CT--≥80
672. 1800 -- July-Oct Smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA249-68
673. 1883 -- Yellow Fever Outbreaks, Aug 05-Nov 6, Brewton, AL, FL -- 74
674. 2000 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11) -- 74
675. 1998 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13) -- 73
676. 1775 -- “Throat Distemper” (Diphtheria), Exeter, Stratham and Rye, NH -- ~72
677. 1990 -- Meningococcal Meningitis, ICD-9 code 036.0, especially CA, 13 deaths -- 72
678. 1795 -- “Throat Distemper” (Diphtheria), Royalston (66) and Rutland (5) MA -- 71
679. 2000 -- Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15) -- 71
680. 2003 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 -- 71
686. 1995 -- Chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10 -- 68

249 Cross-listed in Tainted Food, Drugs and Medications.
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

708. 1810-11 -- “Canker Rash” (Diphtheria or Scarlet Fever),251 children, Winchendon, MA--59
709. 1991 -- Meningococcal Meningitis, US death rate 0.02 per 100K, CA 0.03/10 deaths -- 59
710. 1925 -- Scurvy, 24 States, especially PA/7, NY/6, VA/6, MI/5, AL/4 and MD/4 -- 58
711. 1964 -- June 27-Oct 3, St. Louis Encephalitis epidemic, Houston/33; elsewhere/24252 -- 57
712. 1983 -- Chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5 -- 57
713. 2006 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 57
714. 1877 -- Smallpox, Cincinnati, OH -- 56
715. 2001 -- Diarrhoea/Gastroenteritis, Infectious Origin; no State as many as 10 deaths -- 56
716. 1917 -- Pneumonia, Dec 21, NYC, NY -- 56
717. 1999 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, no state >10 deaths -- 55
718. 2005 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 55
719. 1850 -- Scurvy, especially MO/18, NM Territory/5, OH/5, LA/NY/VA/4 each, IA/3-- 54
720. 2001 -- Grip (Influenza) Epidemic, Jan 1-12, St. Louis, MO -- 54
721. 1984 -- Chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5 -- 53
722. 2002 -- Meningococcal Meningitis, ICD-10 code A39.0; no state over 9 deaths -- 53
723. 1754-55 -- Jan ‘54-July ’55, “Throat Distemper” (Diphtheria), esp. children, Hampton NH-- 51
724. 1872 -- July 11-Nov 19, Yellow Fever, New Orleans, LA/40; Galveston, TX/10 -- 50-51

250 Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.
251 “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.
252 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1666</td>
<td>Smallpox</td>
<td>Boston, MA</td>
<td>40-50</td>
</tr>
<tr>
<td>1676</td>
<td>Bloody Flux (Dysentery)</td>
<td>Mass. Bay Colony, especially Boston</td>
<td>50</td>
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<tr>
<td>1805</td>
<td>Dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA</td>
<td></td>
<td>50</td>
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<tr>
<td>1849</td>
<td>Scarlet Fever Outbreak</td>
<td>Mobile, AL</td>
<td>50</td>
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<tr>
<td>1889</td>
<td>Measles Epidemic</td>
<td>Omaha Nation, Nebraska</td>
<td>50</td>
</tr>
<tr>
<td>1715</td>
<td>Measles</td>
<td>New London, CT</td>
<td>49</td>
</tr>
<tr>
<td>2003</td>
<td>Meningococcal Meningitis</td>
<td>CA only state over 9 deaths</td>
<td>49</td>
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<tr>
<td>1806</td>
<td>Smallpox</td>
<td>New York City, NY</td>
<td>48</td>
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<tr>
<td>1849</td>
<td>Scarlet Fever Outbreak</td>
<td>Mobile, AL</td>
<td>48</td>
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<tr>
<td>2015</td>
<td>Adenovirus infection</td>
<td>ICD-10 code B34.0</td>
<td>48</td>
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<tr>
<td>1746</td>
<td>Yellow Fever or Typhoid epidemic</td>
<td>Albany, NY</td>
<td>45</td>
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<tr>
<td>1806</td>
<td>Chickenpox</td>
<td>US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5)</td>
<td>47</td>
</tr>
<tr>
<td>2016</td>
<td>Adenovirus infection</td>
<td>ICD-10 code B34.0</td>
<td>46</td>
</tr>
<tr>
<td>1821</td>
<td>Smallpox</td>
<td>New York City, NY (out of 2,225 deaths from all causes in NYC)</td>
<td>46</td>
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<tr>
<td>1986</td>
<td>Chickenpox</td>
<td>US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5)</td>
<td>47</td>
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<tr>
<td>2000</td>
<td>Chickenpox</td>
<td>ICD-10 code B01</td>
<td>44</td>
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<tr>
<td>1747</td>
<td>Yellow Fever</td>
<td>June 29- Oct, Philadelphia, PA</td>
<td>&gt;43</td>
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<tr>
<td>1753-54</td>
<td>Unknown epidemic fever</td>
<td>Holliston (pop. ~80 families), MA</td>
<td>43</td>
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<tr>
<td>1963</td>
<td>Polio (Acute)</td>
<td>especially children</td>
<td>41</td>
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<tr>
<td>1770-71</td>
<td>Winter, Influenza Epidemic</td>
<td>Philadelphia, PA</td>
<td>&gt;40</td>
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<tr>
<td>1852</td>
<td>Nov/Dec, Unknown epidemic, Natives, Hock Farm, Sutter County, CA</td>
<td>40</td>
<td></td>
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<tr>
<td>1853</td>
<td>Pneumonia outbreak</td>
<td>Native Americans, near Cherokee, Butte County, CA</td>
<td>40</td>
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<tr>
<td>1779</td>
<td>Scarlet Fever</td>
<td>at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11-39</td>
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<tr>
<td>1862</td>
<td>Feb-June 1865 (41 months), Scurvy, Confederate POWs, Camp Douglas, IL</td>
<td>39</td>
<td></td>
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<tr>
<td>1991</td>
<td>Jan-Dec, Measles resurgence, especially CA (8); NY (15); and PA (9)</td>
<td>38</td>
<td></td>
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<tr>
<td>2004</td>
<td>Meningococcal Meningitis</td>
<td>ICD-10 code A39.0 (all states below 10 deaths)</td>
<td>38</td>
</tr>
<tr>
<td>1770</td>
<td>“Chin” (Whooping) Cough epidemic</td>
<td>esp. children, Salem (pop. ~5,000), MA</td>
<td>37</td>
</tr>
<tr>
<td>1924</td>
<td>Oct-Nov, Pneumonic and Bubonic Plague Epidemic, Los Angeles, CA</td>
<td>35-37</td>
<td></td>
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<tr>
<td>1915</td>
<td>Anthrax, CA/2, CO, CT/3, IN, LA, MA/4, MN/2, MT, NJ, NY/14, PA/4, UT</td>
<td>&gt;35</td>
<td></td>
</tr>
<tr>
<td>1880</td>
<td>Yellow Fever Outbreak, July 16, beginning, Jacksonville, FL</td>
<td>34</td>
<td></td>
</tr>
</tbody>
</table>

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

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

255 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.

256 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.)

257 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.
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

758. 1748 -- Mid-Aug to mid-Oct, Yellow Fever outbreak, Charleston, SC -- 33
759. 1917-18 -- Oct 10-March 8, '18, Smallpox Epidemic, Eagle Pass, Maverick Co., TX -- 33
760. 2002 -- Chickenpox (Varicella), ICD-10 code B01 -- 32
761. 2006 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths)-- 32
762. 2005 -- Whooping Cough (ICD-10 code A37.0), 28 under 1 year-old -- 31
763. 2008 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths)-- 31
764. 2014 -- Enterovirus infection, ICD-10 code B34.1, death rate 0.010 -- 31
766. 1767 -- Late summer, Epidemic (Dysentery?), New York City, NY 258 -- 30
767. 1799 -- Sum-Fall, Dysentery, especially children, Hanover and adjacent towns, NH -- 20-30
768. 1863 -- Malaria (probably), Maidu Natives, Pence’s Ranch, Butte County, CA 259 -- 30
769. 1804 -- Scarlet Fever (“Canker Rash”), Reading, Windsor County, VT (15), NYC (14)-- 29
770. 2014 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.009 per 100,000 -- 29
771. 1753 -- Late Sum-Fall (~2 mo.), Dysentery (“Camp Distemper”), esp. Norwich, CT -- 28
772. 1879 -- July-mid to early Aug, Cholera-like Epidemic, Center Point and Walker, IA --24-28
773. 1916 -- Anthrax, CT, IL, KY/2, MA/5, MI/2, MO, NY/4, NC/2, PA/7, TX/2, WA -- 28
774. 2009 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths)-- 28
775. 1739 -- June-July 19, Smallpox, Newport and nearby vicinity, RI --23-27
776. 2005 -- Meningococcal Meningitis, ICD-10 code A39.0 (all states below 10 deaths) -- 27
777. 1814 -- Summer-Fall, Epidemic Fever (referred to as Typhus), Wardsborough, VT --23-26
778. 2001 -- Chickenpox (Varicella), ICD-10 code B01 -- 26
779. 2009 -- Hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths) -- 26
780. 2010 -- Whooping Cough (ICD-10 code A37.0), 25 under 1 year-old -- 26
781. 2011 -- Meningococcal Meningitis, ICD 10 Code A39.0 (no state 10 or more deaths) -- 26
782. 2016 -- Streptococcal toxic shock syndrome, ICD-10 code A48,3 (emerging disease)-- 26
783. 1736 -- July-Nov, epidemic (scarlet fever or diphtheria?), esp. children, Marblehead MA-- 25
784. 1793 -- Scarlet Fever, New England (esp. CT), New Jersey, New York, Philadelphia-- >25
785. 1840 -- Yellow Fever Outbreak, Charleston, SC (22), New Orleans (3) -- 25
786. 1913 -- Anthrax, CA, CT, DE/2, MA/3, MN, MO, NY/4, OH, PA/8, VA, WA, WI -- 25
787. 2007 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths) -- 24
788. 2010 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 24
789. 2011 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 23
790. 1883 -- Sep-Oct, Diphtheria, Orange County, NC -- 22
791. 1910 -- Anthrax, CA, CO, DE, IN, ME, MD, MA, NY, OH, and esp. PA (7) -- 22
792. 1925 -- Anthrax, CA/2, CT, DE/3, IL, IN, LA/2, MA, MS, MO, NJ, NY/2, OR, PA/4, WA-- 22
793. 2009 -- Chickenpox (Varicella), ICD-10 code B01 -- 22
794. 1745 -- “Throat Distemper” (Diphtheria), Hampton & especially Kensington/16, NH-- 21
795. 2009 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 21
796. 2011 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000 -- 21
797. 2012 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000 -- 21

Our number. Source notes “fifteen deaths were reported daily” during an epidemic (dysentery section of a paper).
DISEASES, especially communicable/infectious, especially epidemics -- By Mortality}

cont.

1726 -- Summer, unknown Typhoid Fever-like Epidemic, Newent Parish, Norwich, CT -- 20
2008 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 20
2008 -- Whooping Cough (ICD-10 code A37.0), 18 under 1 year-old -- 20
2013 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 20

1741 -- Pre-April, “Long” or “Lung” Fever,” Sutton, MA (19), New London, CT (?)-- ≥19
1914 -- Anthrax, CA, CT, DE, LA, ME, NE, NJ (2), NY, OH (2), PA (6), VA, WI -- 19
1917 -- Scurvy, New York City (15) and elsewhere state of NY (4) -- 19
2004 -- Chickenpox (Varicella), ICD-10 code B01 -- 19
2009 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 19

1893 -- Smallpox Outbreak, Feb-Dec, Reading, Berks County, PA -- 18
1894 -- Poliomyelitis Epidemic, VE, especially Rutland & Wallingford -- 18
2002 -- Whooping Cough (ICD-10 code A37.0), all 18 under 1 year-old -- 18
2006 -- Chickenpox (Varicella), ICD-10 code B01 -- 18
2007 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 18
2008 -- Chickenpox (Varicella), ICD-10 code B01 -- 18

1832 -- Scarlet Fever, Jun 16-22, Binghamton, NYC, Oneonta, Yonkers -- 17
1912 -- Anthrax, DE, KY (3), MA (2), MN, MO, NJ, NY, OH (3), PA (4) -- 17
1977 -- German Measles (Rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1-- -- 17
2001 -- Whooping Cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old) -- 17
2012 -- Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old -- 17

1776 -- “Throat Ail” (Diphtheria?), especially children, Athol, MA -- 16
1851 -- Yellow Fever Outbreak, New Orleans, LA -- 16
1993 -- May esp., Hantavirus Pulmonary Syndrome, esp. Native Americans, NM/AZ -- 13-16
1998 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000 -- 16
2003 -- Chickenpox (Varicella), ICD-10 code B01 -- 16
2004 -- Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old -- 16
2005 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16
2008 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16
2012 -- Chickenpox (Varicella), ICD-10 code B01, especially ≥85 (7) -- 16
2013 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16

1764 -- “Throat Distemper” (Diphtheria), especially children, Westminster, MA -- 15
1854 -- Late March through early April (esp.) Smallpox epidemic, Jacksonville, FL -- ≥15
1977 -- Measles (Rubella), CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1-- -- 15
2006 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
2007 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
2009 -- Whooping Cough (ICD-10 code A37.0), all under 1 year-old -- 15
2010 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15

130
836. 2010 -- Chickenpox (Varicella), ICD-10 code B01 -- 15

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

837. 1756 -- Summer, Diphtheria epidemic, children, Saco, ME -- 14
838. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI260 --14
839. 1911 -- Anthrax, CA (2), CT (2), DE, IN, LA (2), MA, NY, OH, PA (2), VT -- 14
840. 2007 -- Chickenpox (Varicella), ICD-10 code B01 -- 14
841. 2010 -- Meningococcal Meningitis, ICD 10 Code A39.0 -- 14
842. 2011 -- Chickenpox (Varicella), ICD-10 code B01 -- 14
843. 2014 -- Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old -- 14
844. 2015 -- Chickenpox (Varicella), ICD-10 code B01, especially children -- 14
845. 1985 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000 -- 13
846. 1994 -- Shigellosis (infectious diarrhea / bacillary dysentery) ICD-9 code 004.0 -- 13
847. 2005 -- Chickenpox (Varicella), ICD-10 code B01 -- 13
848. 2012 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 13
849. 1737-38 -- Dec-Jan 1738, Smallpox, esp. Chilmark & Edgartown, Martha’s Vineyard, MA--12
850. 1854 -- Late March through early April (esp.) Scarlet Fever outbreak, Jacksonville, FL≤12
851. 1989 -- Whooping Cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old) -- 12
852. 1990 -- Whooping Cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old) -- 12
853. 1993 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000 -- 12
854. 2000 -- Whooping Cough (ICD-10 code A37.0), (all under 1 year-old) -- 12
855. 2001 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 12
856. 2002 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 12
857. 2002 -- Malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths -- 12
858. 2013 -- Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old -- 12
859. 2014 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 12
860. 2015 -- July-mid Aug, Legionnaires’ Disease, South Bronx, New York City, NY -- 12
861. 2015 -- Meningococcal Meningitis, ICD 10 Code A39.0 (no state with ≥10 deaths) -- 12
862. 1978 -- Measles (Rubeola), ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OK/PA/TN/VA-- 11
863. 1980 -- Measles, ICD-9 code 055; CA/2, NJ/2, NY/2, KS/MN/OH/OK/PA/TN (1 each) -- 11
864. 1980 -- Whooping Cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/OK/PA/VA-- 11
865. 1989 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000 -- 11
866. 1992 -- Measles, especially young children -- 3-11
867. 1995 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
868. 1997 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
869. 1999 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
870. 2000 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
871. 2003 -- Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old -- 11
872. 2012 -- Meningococcal Meningitis, ICD 10 Code A39.0 -- 11
873. 2016 -- Whooping Cough (ICD-10 code A37.0) -- 11

260 We place this in the “Influenza” sub-type below in that both sources used thought this was probably influenza.
### DISEASES, especially communicable/infectious, especially epidemics -- By Mortality cont.

<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location(s)</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1668</td>
<td>Yellow Fever Outbreak</td>
<td>New York, NY</td>
<td>&gt;10</td>
</tr>
<tr>
<td>1693</td>
<td>June 17 start, Yellow Fever</td>
<td>Boston, British fleet arrival from Martinique</td>
<td>≤10?</td>
</tr>
<tr>
<td>1711-12</td>
<td>Winter, Disease (smallpox/pestilential fever/pleurisies/flux)</td>
<td>Charleston, SC</td>
<td>≥10</td>
</tr>
<tr>
<td>1715</td>
<td>Smallpox, NY and NJ colonies, esp. Burlington and Perth Amboy</td>
<td>NJ</td>
<td>≥10</td>
</tr>
<tr>
<td>1755</td>
<td>Early Fall, Diphtheria</td>
<td>New Casco, ME</td>
<td>10</td>
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<tr>
<td>1759</td>
<td>Measles (“many...in a short space of time; not a house exempt...”)</td>
<td>Fairfield, NJ</td>
<td>≥10</td>
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<tr>
<td>1763</td>
<td>Winter, Throat Distemper Epidemic (Diphtheria)</td>
<td>Philadelphia, PA</td>
<td>&gt;10</td>
</tr>
<tr>
<td>1769</td>
<td>Throat Distemper (diphtheria), especially children</td>
<td>New York City, NY</td>
<td>&gt;10</td>
</tr>
<tr>
<td>1771</td>
<td>May-July, Scarlet Fever (especially children)</td>
<td>Duxbury, MA</td>
<td>≥10</td>
</tr>
<tr>
<td>1780</td>
<td>Oct (1st week), Dysentery (3-4 children a day)</td>
<td>Salem, MA</td>
<td>≥10</td>
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<tr>
<td>1777</td>
<td>Whooping Cough</td>
<td>CA, FL, GA, KS, NC, PA, TN, TX, VA, WA</td>
<td>1 each</td>
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<tr>
<td>1786</td>
<td>German Measles (Rubella)</td>
<td>ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI</td>
<td>10</td>
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<tr>
<td>2010</td>
<td>Malaria, ICD-10 codes B50-B54, no State had at least 10 deaths</td>
<td>--</td>
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<tr>
<td>2013</td>
<td>Malaria, ICD-10 codes B50-B54</td>
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</tr>
<tr>
<td>2014</td>
<td>Meningococcal Meningitis, ICD 10 Code A39.0 (no state with ≥10 deaths)</td>
<td>--</td>
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</tr>
<tr>
<td>2016</td>
<td>Hantavirus (cardio)-pulmonary Syndrome (HPS), ICD 10 Code B33.4</td>
<td>--</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location(s)</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>Malaria, ICD-10 codes B50-B54, death rate 0.003 per 100,000</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>2004</td>
<td>Adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000</td>
<td>--</td>
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<tr>
<td>2013</td>
<td>Meningococcal Meningitis, ICD 10 Code A39.0</td>
<td>--</td>
<td></td>
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<tr>
<td>2003</td>
<td>Adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000</td>
<td>--</td>
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</tr>
<tr>
<td>1976</td>
<td>Whooping Cough, NY (2), FL, MS, OH, OK, WI, one each</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1979</td>
<td>Measles, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each)</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1980</td>
<td>Polio, DE (1), NY (2), OH (2), PA (1)</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1981</td>
<td>Measles, US death rate 0.003 per 100K; CA/FL/IN/MA/WA (1 each), OH/2</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1981</td>
<td>Whooping Cough/Pertussis, one death each: CO, GA, KY, ND, WA, WI</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1982</td>
<td>Measles, US death rate 0.003 per 100K; AZ, KY, MI, MS, NH, NY</td>
<td>--</td>
<td></td>
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<tr>
<td>1982</td>
<td>Scurvy/ascorbic acid deficiency, IN, KY, MD, MA, OH, TX (1 death each)</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1996</td>
<td>Adenovirus infection, ICD-10 code B34.0, death rate 0.002 per 100,000</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1979</td>
<td>Typhoid &amp; Paratyphoid Fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX</td>
<td>--</td>
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</tr>
<tr>
<td>1980</td>
<td>Plague (all forms/5, Bubonic/2), New Mexico (3), CA (1), NV (1)</td>
<td>--</td>
<td></td>
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<tr>
<td>1985</td>
<td>Measles, AZ (1); IL (1); ME (1); MA (1)</td>
<td>--</td>
<td></td>
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<tr>
<td>1988</td>
<td>Measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1</td>
<td>--</td>
<td></td>
</tr>
</tbody>
</table>

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261 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**, 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”\(^{262}\) Natives, central SC -- Hundreds
3. 1585, June-June 1586 – Disease, Natives visited by English from Roanoke Colony, NC ≥ 360
4. 1586 – Passamaquoddy Natives “Devastated” by Typhus Epidemic, Maine -- Hundreds?
5. 1607 – July-Dec, Disease and Famine/Starvation, Jamestown Colony, VA\(^{263}\) -- 66
6. 1616 – Unknown Epidemic Disease, Natives, especially ~coasts of MA, ME, RI -- Thousands
7. 1633-34 – Smallpox Epidemic, New England Natives, Plymouth Colonists, MA --> 1,000
8. 1634-35 – Smallpox Epidemic, Five Nations, especially Mohawks, Upper NY\(^{264}\) ≥ 2,000
9. 1736 – July-Nov, Epidemic (scarlet fever or diphtheria?), esp. children, Marblehead MA -- ~25
10. 1647 – Influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- >100
11. 1659 – Measles Epidemic, Native Americans, FL -- 10,000
12. 1663 – Smallpox, Fort Orange, NY and Northern “NY” Native American Tribes -- 1,000
13. 1666 – Smallpox, (Population of colony about 4,000), Boston, MA -- 40-50
14. 1667 – Smallpox Epidemic, Native Americans, VA, especially eastern shore VA --> 300
15. 1676 – Aug-Sep, Bloody Flux (Dysentery) Mass. Bay Colony, especially Boston\(^{265}\) -- 50
16. 1677-78 – Smallpox Epidemic, Massachusetts Bay Colony, esp. Boston & vic. -- 750-1,000
17. 1668 – Yellow Fever Outbreak, New York, NY -- >10
18. 1689-90 – Smallpox, New England and NY, settlers and natives -->820-1,500
19. 1690 – Spring-Fall, Smallpox, Iroquois Native Americans, esp. upper New York --> 300-500
20. 1693 – June 17 start, Yellow Fever, Boston, British fleet arrival from Martinique\(^{266}\) -- ≤ 10?
21. 1697-98 – ~Nov 1697--Feb 1698 (3 mo.), “mortal disease” (influenza?), Fairfield, CT -- 70
22. 1697-98 – Smallpox, Charleston, SC (pop. ≥ 5,000); (plus hundreds Native Americans)\(^{267}\) 200-300
23. 1699 – Yellow Fever Epidemics, Charleston, SC (170-311); Philadelphia (220) -- 390-531
24. 1702 – Summer (late) to early Spring 1703, Smallpox Epidemic, Boston, MA -- 302-313
25. 1702 – Summer to late Fall, Yellow Fever Epidemic, New York City, NY -- 500-570

\(^{262}\) 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.)

\(^{263}\) Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.

\(^{264}\) We assume that if, as reported, thousands died, then at least 2,000 must have died.

\(^{265}\) Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.

\(^{266}\) 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.

\(^{267}\) 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.

28. 1711-12 -- Winter (within two months), “Malignant Distemper” (Influenza?), CT -- 250
29. 1711-12 -- Winter, Disease (smallpox/pestilential fever/pleurisies/flux), Charleston SC-- >10
31. 1713-14 -- Oct-1714, Measles Epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA)--109
32. 1715 -- Measles, New London, CT (9); “malignant disease,” Plymouth, MA (40) -- 49
33. 1715 -- Smallpox, NY and NJ colonies, esp. Burlington and Perth Amboy, NJ -- >10

35. 1726 -- Summer, unknown Typhoid Fever-like Epidemic, Newent Parish, Norwich, CT -- ~20
36. 1727 -- Sum. esp., Typhoid fever-like epidemic Norwich (~40) & Woodbury (>44), CT-- >84
37. 1728 -- Late Summer to Fall, Yellow Fever, Charleston, SC -- <130

38. 1730 -- Smallpox Epidemic, Massachusetts Bay Colony, especially Boston -->502
39. 1731 -- Smallpox Epidemics, New York City (548-700) and Philadelphia (288) --836-988
41. 1732 -- Smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY --104-118
42. 1732 -- May-Oct, Yellow Fever outbreaks, Charleston SC (130-150), NYC (70) --200-220
43. 1735-41 (esp. 1735-37) -- “Throat Distemper” (Diphtheria),268 esp. CT/ME/MA/NH --5,000
44. 1735-36 -- Aug 1735-July, 1736, Scarlet Fever Outbreak, Boston, MA --100-114
45. 1736 -- Smallpox Epidemic, Philadelphia, PA -- 158
46. 1737-38 -- Dec-Jan '38 -- Smallpox, esp. Chilmark & Edgartown, Martha’s Vineyard, MA-- 12
47. 1738 -- Smallpox Epidemic, Charleston, SC -- 311
48. 1739 -- June-July 19, Smallpox, Newport and nearby vicinity, RI --23-27
49. 1738-39 -- Smallpox, Catawba (NC/SC) and Cherokee Natives (NC) --7,700-11,700
50. 1739 -- Yellow Fever, “severe” extensive, “raged…violently,” Charleston, SC269 --Dozens

51. 1741 -- Pre-April, “Long” or “Lung” Fever,” Sutton, MA (19), New London, CT (?) -- ≥19
52. 1741 -- Sum.-Fall, Yellow Fever Epidemic, Boston, MA and esp. Philadelphia, PA -- 265
53. 1742 -- Smallpox Outbreak in New York, NY -- 250
54. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (Diphtheria), Greenland & esp. Stratham, NH-- 97
55. 1742 -- Aug-Summer 1743, Dysentery outbreak, East Haven (population ~500), CT --43-60
56. 1743 -- July 25-Oct, Yellow Fever Epidemic, New York City, NY -- 217
57. 1745 -- “Throat Distemper” (Diphtheria), Hampton and especially Kensington/16, NH-- 21
58. 1745 -- Malignant Dysentery Epidemics, Shrewsbury, MA, esp. Stamford (one st.), CT-- >80
59. 1745 -- June-Nov, Yellow Fever, New York City and especially Charleston, SC270 --Dozens

268 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.
269 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.)
270 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Cases/Deaths</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1746</td>
<td>Dysentery</td>
<td>Harvard/37, Westborough/25 MA</td>
<td>&gt;62</td>
<td></td>
</tr>
<tr>
<td>1746</td>
<td>Aug-frost (probably Oct), Yellow Fever or Typhoid</td>
<td>Albany, NY</td>
<td>45</td>
<td></td>
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<tr>
<td>1747</td>
<td>“Throat Distemper (Diphtheria)”</td>
<td>MA (≥89) and Kensington, NH (48-52)</td>
<td>137-141</td>
<td></td>
</tr>
<tr>
<td>1747</td>
<td>Measles Epidemic</td>
<td>Philadelphia, PA (cases noted also in CT, NH, NY, SC)</td>
<td>84</td>
<td></td>
</tr>
<tr>
<td>1747</td>
<td>June 29- frost (probably Oct), Yellow Fever</td>
<td>Philadelphia, PA</td>
<td>&gt;43</td>
<td></td>
</tr>
<tr>
<td>1748</td>
<td>Mid-Aug to mid-Oct, Yellow Fever outbreak</td>
<td>Charleston, SC</td>
<td>&gt;33</td>
<td></td>
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<tr>
<td>1749</td>
<td>Dysentery Epidemics</td>
<td>CT, esp. Waterbury (130) Woodbury (57), CT</td>
<td>252-262</td>
<td></td>
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<tr>
<td>1749-50</td>
<td>“Throat Distemper” (Diphtheria), MA, esp. Tewksbury (≥38)</td>
<td></td>
<td>&gt;106-112</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Disease</th>
<th>Location</th>
<th>Cases/Deaths</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1751</td>
<td>Dysentery Epidemic</td>
<td>Canaan (~10), Hartford (64) and New Haven (45), CT</td>
<td>119</td>
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<tr>
<td>1751-52</td>
<td>“Throat Distemper” (Diphtheria)</td>
<td>Abington/Hingham/Weymouth, MA</td>
<td>240-290</td>
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<tr>
<td>1752</td>
<td>Early in year through at least Summer, Small-Pox</td>
<td>Boston, MA</td>
<td>535-569</td>
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<tr>
<td>1753</td>
<td>“Throat Distemper (Diphtheria)”</td>
<td>Exeter, Stratham and Rye, NH</td>
<td>~72</td>
<td></td>
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<tr>
<td>1753</td>
<td>Late Summer-Fall (~2 mo.), Dysentery (“Camp Distemper”)</td>
<td>Norwich, CT</td>
<td>28</td>
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<tr>
<td>1753-54</td>
<td>Dec-Jan (2 mo.), unknown epidemic fever</td>
<td>Holliston (pop. ~80 families), MA</td>
<td>43</td>
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<tr>
<td>1754-55</td>
<td>Jan ‘54-July ‘55, “Throat Distemper” (Diphtheria)</td>
<td>children, Hampton NH</td>
<td>51</td>
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<tr>
<td>1754</td>
<td>Typhoid Fever</td>
<td>Philadelphia, PA</td>
<td>273</td>
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<tr>
<td>1755</td>
<td>Early Fall, Diphtheria</td>
<td>New Casco, ME</td>
<td>10</td>
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<tr>
<td>1756</td>
<td>Summer, Diphtheria epidemic, children</td>
<td>Saco, ME</td>
<td>14</td>
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<tr>
<td>1756</td>
<td>Smallpox Epidemic, Philadelphia</td>
<td></td>
<td>900</td>
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<tr>
<td>1758-59</td>
<td>Measles Epidemic</td>
<td>Philadelphia, PA (cases also in MA ME NJ SC VA)</td>
<td>&gt;100</td>
<td></td>
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<tr>
<td>1759</td>
<td>Measles (“many…in a short space of time; not a house exempt…”), Fairfield N</td>
<td>10?</td>
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<tr>
<td>1759</td>
<td>Smallpox Epidemic</td>
<td>Philadelphia</td>
<td>600</td>
<td></td>
</tr>
<tr>
<td>1759-60</td>
<td>Smallpox Epidemic, Catawba Nation, SC</td>
<td></td>
<td>~300</td>
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<tr>
<td>1760</td>
<td>Smallpox Epidemic, Charleston SC (as well as undocumented Native deaths)-730-940</td>
<td></td>
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<tr>
<td>1760-61</td>
<td>Wtr.-Spring, Influenza Epidemic, esp. Natives, esp. CT, MA, ME, PA</td>
<td>hundreds</td>
<td></td>
<td></td>
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<tr>
<td>1762</td>
<td>Aug-Nov, Yellow Fever</td>
<td>Philadelphia, PA</td>
<td>~100?</td>
<td></td>
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<tr>
<td>1763</td>
<td>Smallpox Epidemic</td>
<td>Native Americans, CA</td>
<td>&gt;100</td>
<td></td>
</tr>
<tr>
<td>1763</td>
<td>Winter, Throat Distemper Epidemic (Diphtheria)</td>
<td>Philadelphia, PA</td>
<td>&gt;10</td>
<td></td>
</tr>
<tr>
<td>1763-64</td>
<td>Aug-Feb, Yellow Fever, Indians, Nantucket Isl., &amp; Martha’s Vineyard, MA</td>
<td>200-261</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1763-64</td>
<td>Dec-July -- Smallpox Epidemic, Boston (170) &amp; Cambridge (6), MA colony</td>
<td>--176</td>
<td></td>
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</tr>
<tr>
<td>1764</td>
<td>“Throat Distemper” (Diphtheria), especially children, Westminster, MA</td>
<td></td>
<td>15</td>
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</tr>
<tr>
<td>1764-65</td>
<td>“Nervous Pleuritic Disorder” (respiratory infection)</td>
<td>Newport, RI</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>1764-65</td>
<td>Smallpox, esp. Iroquois, Shawnee, Lenape, Creek, Choctaw, Chickasaw</td>
<td>&gt;1,800</td>
<td></td>
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</tr>
<tr>
<td>1765</td>
<td>Yellow Fever Epidemic</td>
<td>Pensacola, FL</td>
<td>125</td>
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</tr>
<tr>
<td>1767</td>
<td>Late summer, Epidemic (Dysentery?)</td>
<td>New York City, NY</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

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

272 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.

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

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

275 Our number. Source notes “fifteen deaths were reported daily” during an epidemic (dysentery section of a paper).
96. 1767-70-- Diphtheria epidemic (12% of population, mostly children), Oxford, MA --96-144
97. 1768 -- Fall-Winter (two months), Smallpox, especially children, Reading, PA -- >60
98. 1769 -- Throat Distemper (diphtheria), especially children, New York City, NY -- >10
99. 1769 -- Aug-Sep, Flux (Dysentery) and Fever Outbreak, esp. children, Boston, MA -- ~108

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

100. 1770 -- “Chin” (Whooping) Cough epidemic esp. children, Salem (pop. ~5,000), MA -- 37
101. 1770-71 -- Winter, Influenza Epidemic “took scores of lives,” Philadelphia, PA -- >40
102. 1771 -- May-July, Scarlet Fever (especially children), Duxbury, MA -- >10
103. 1772 -- Measles Epidemics, Charleston, SC (800-900), Philadelphia, PA (180) --980-1,080
104. 1773 -- Smallpox Epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA--321
105. 1775 -- Dysentery, DE, MD, NJ (>10), but primarily CT (146) and MA (>326) -- >482
106. 1775-82 -- Smallpox Epidemic, North America 84,000
107. 1776 -- “Throat Ail” (Diphtheria?), especially children, Athol, MA -- 16
108. 1776 -- Dysentery Epidemics, NY (especially northern NY), MA and NJ -- >76
109. 1777 -- Dysentery, CT, NJ, PA, VT, and especially MA (>255) and NY (>100) -- >416
110. 1778 -- Late Sum-Fall, Dysentery, esp. Dunstable, Lexington, Medford, Tewksbury MA--111
111. 1780-82 -- Smallpox Epidemic, Native Americans, Great Plains (see 1775-1782) -->32,000

112. 1791 -- Yellow Fever Epidemic, New York City, NY -- 200
113. 1792 -- Yellow Fever Epidemic, Charleston, SC -- <96
114. 1793 -- Dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic.-hundreds
115. 1793 -- Influenza Epidemic, 5 counties, 4 weeks, VA -- 500
116. 1793 -- Scarlet Fever, New England (esp. CT), New Jersey, New York, Philadelphia-- >25
117. 1793 -- Aug–Nov, Yellow Fever Epidemic, Philadelphia, PA --4,041-5,000
118. 1794 -- Scarlet Fever epidemic (esp. children), Marblehead, MA and esp. VT CT>76
119. 1794 -- Yellow Fever Epidemic -- 624
120. 1795 -- “Throat Distemper” (Diphtheria), Royalston (66) and Rutland (5) MA -- 71
121. 1795 -- Dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60 >156
122. 1795 -- Scarlett Fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11>39
123. 1795 -- July 19–Oct 12, Yellow Fever Epidemic, NY City, also Providence RI --745-800
124. 1796 -- Scarlet Fever epidemic (esp. children), Marblehead, MA and esp. VT --681-846
125. 1796 -- Yellow Fever, esp. Charleston, SC/300, New Orleans/250-400; Wilmington NC/150-836-986
126. 1797 -- Sum-fall, Dysentery, esp. Nantucket Isl. (100), Westport MA (30); Hanover NH (24)-163
127. 1797 -- Yellow Fever, New Design, MO, NYC, Philly, Providence, RI --2,502
128. 1798 -- Sum-fall, Dysentery, VT, esp. Norwich/Pomfret/Salem/Sandgate, Shays’ Stlmt., VT >141
129. 1798 -- Yellow Fever Epidemic, East Coast Port Cities ~10,000
130. 1799 -- Sum-Fall, Dysentery, especially children, Hanover and adjacent towns, NH --20-30
131. 1799 -- Yellow Fever, esp. Charleston, SC, NYC, Philadelphia, Delaware & Greene-1,356

132. 1800 -- Yellow Fever, esp. Baltimore, Charleston SC, Norfolk, Providence RI-1,509-1,806
133. 1800 -- Sum., Dysentery outbreak, esp. children, esp. Frantestown & Hanover NH --103-113
134. 1800 -- July-Oct Smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA27668

276 Cross-listed in Tainted Food, Drugs and Medications.
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

135. 1801 -- Oct (1st week), Dysentery (3-4 children a day), Salem, MA -- ≥10
136. 1801-02 -- Smallpox, Native Americans, esp. Omaha, esp. Midwest, Northwest ~1,500
137. 1801 -- Yellow Fever Epidemic, Queensborough, NYC, NY -- 156
138. 1802 -- Aug-Nov 2, Dysentery, esp. Greenfield & Shelburne MA (92), Bridport VT/16--137
139. 1802 -- Yellow Fever, Wilmington DE, MD, MA, Philadelphia, NH, SC -- 561
140. 1803 -- Sum.-fall, Dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50)-->82
141. 1803 -- Yellow Fever Epidemic, July 18-Oct, Charleston SC, NY, VA, Philadelphia--1,403
142. 1804 -- Dysentery, Summer-Fall (2 month period), (especially children), Orwell VT-- 60
143. 1804 -- Epidemic, Possibly Cholera (or Typhoid or Plague) Natives, Oahu, Hawaii >3,000
144. 1804 -- Scarlet Fever (“Canker Rash”), Reading, Windsor County, VT (15), NYC (14)-- 29
145. 1804 -- Smallpox Outbreak, New York City, NY --164-199
146. 1804 -- Tuberculosis, “Phthisis Pulmonalis,” New York City (2,125 deaths all causes)--499
147. 1804 -- Yellow Fever epidemics, NOLA, Brooklyn & especially Charleston, SC -- 198
148. 1805 -- Smallpox, New York City, NY -- 62
149. 1805 -- Tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes)-- 462
150. 1805 -- Yellow Fever Epidemic, New York, Philadelphia, Providence, RI -- 750
151. 1805 -- Sep-Oct (esp.), Dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA-- 50
152. 1806 -- Smallpox, New York City, NY (out of 2,225 deaths from all causes in NYC)-- 48
153. 1806 -- Tuberculosis (Phthisis Pulmonalis), New York City (2,225 deaths all causes)-- 354
154. 1807 -- Smallpox, New York City, NY (29 out of 2,312 deaths), Philadelphia (32) -- 61
155. 1807 -- Yellow Fever Epidemic, especially Charleston, SC -- 169
156. 1808 -- Year, Smallpox, Philadelphia, PA, New York City, NY -- 207
157. 1808 -- Yellow Fever Epidemic, Sep 5-Oct, St. Mary’s, GA -- 84
158. 1809 -- May-Feb 1810 -- Disease/Illness, U.S. Army, MS -- 656
159. 1809 -- Yellow Fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA-- 850
160. 1810-11 -- “Canker Rash” (Diphtheria or Scarlet Fever), children, Winchendon, MA--59
277
161. 1811 -- “Spotted Fever” (Meningitis), NH (≥10) & VT, esp. Woodstock (60-70), VT- 103-108
162. 1811 -- Oct-Apr 1812, Smallpox, New York City (117); Baltimore, MD (135) -- 252
163. 1811 -- Yellow Fever Epidemic, New Orleans, LA -- >500
164. 1812 -- Feb-Apr, Spotted Fever/Meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT- 265-325
165. 1812 -- Oct-June 1813 (esp.), Peripneumony/Lung Fever (pneumonia), VT, esp. Burlington-4350-6400
166. 1814 -- Summer-Fall, Epidemic Fever (referred to as Typhus), Wardsborough, VT --23-26
168. 1815 -- Smallpox, New York City, NY -- 94
169. 1815-16, Winter -- Smallpox Epidemic, Comanche Nation278 -->4,000

277 “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.
170. 1816 -- Smallpox, New York City, NY -- 179
171. 1817 -- June-Dec, Yellow Fever, esp. Charleston SC, Natchez MS, New Orleans-1208-1,233
172. 1818 -- Yellow Fever epidemics, esp. Charleston SC (115); New Orleans, LA (115)-- 234
173. 1819 -- Yellow Fever, esp. Charleston, Mobile, Natchez; most esp. New Orleans-2871-3019

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

174. 1820 -- Jan-March (mostly), Scurvy, Cantonment Missouri (Army), Council Bluff, NE--190
175. 1820 -- May-Dec, Yellow Fever, Savannah GA/New Orleans/NYC/Philadelphia --1,335
176. 1821 -- Summer-fall, Yellow Fever, esp. Norfolk VA (~160); St Augustine, FL (172) -- 414
177. 1821 -- Aug, Smallpox, Baltimore, MD -- 47
179. 1822 -- Yellow Fev., esp. late Sum-Fall, esp. NOLA/Marietta OH/NYC/Pensacola279 1519-2,741
180. 1823 -- Smallpox, Philadelphia, PA -- 160
181. 1823 -- July-Nov 1, Yellow Fever Epidemic, Natchez & vicinity, MS, New Orleans -- 581
182. 1824 -- Smallpox, NYC, NY, Philadelphia, PA, Sandusky, OH --740-745
183. 1824 -- July-Nov, Yellow Fever, esp. Charleston SC (235); New Orleans LA (≥108)--364-373
184. 1825 -- Yellow Fever, esp. Mobile, Key West & Pensacola, NOLA, Natchez, Washington MS-428
185. 1827 -- Yellow Fever, esp. Charleston, SC (64) & New Orleans (109) epidemics -- ≥195
186. 1828 -- Yellow Fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150--332
187. 1829-34 (esp. 1833) -- Unknown Epidemic, West Coast Native Americans --6,500-22,000
188. 1829 -- Yellow Fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA/900--1,146
189. 1830 -- July-Fall, Yellow Fever, Charleston SC (39) & especially New Orleans (132)-- 172
190. 1832 -- June-Dec 16, Cholera Epidemics, esp. DC/LA/MD/NJ/NY/OH/PA/VA--16,781-18,491
191. 1832 -- Early Aug-early Nov, Yellow Fever Epidemic, New Orleans LA -- 400
192. 1833 -- Unknown Epidemic, Natives esp. Sacramento/San Joaquin Valleys, CA (see 1829)
193. 1833 -- May-Aug (esp.), Cholera, esp. KY/~2000, NOLA/1000, WV/OH/IN/TN/IL--6308-6,353
194. 1833 -- Malaria Epidemic, ConCow Maidu Villages, Butte County, CA vicinity --≤800
195. 1834 -- Jul-Nov, Cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
196. 1834 -- Smallpox, New York City, NY and Philadelphia, PA -- 428
197. 1834 -- Yellow Fever Epidemic, New Orleans (≥95), LA; Charleston (49), SC -- 144
198. 1835 -- Apr-Aug, Cholera, esp. Madison, IN; KY, esp. Russellville; New Orleans, TN--590-601
199. 1835 -- Aug-Sep, Yellow Fever, Charleston SC (25-26) New Orleans LA (284-289)-309-315
200. 1835 -- Nov-Spring 1838, Smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK13,105
201. 1836 -- Scarlet Fever, Boston, MA, New York City, NY, Philadelphia, PA -- 458

278 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.
279 Also includes 101 fatalities on the U.S. Frigate Macedonian, sailing in the Caribbean late Spring to mid Summer.
202. 1836-37--Measles, New York City, NY                 --   443
203. 1837 -- Scarlet Fever, Boston, MA, New York City, NY, Philadelphia, PA --   823
204. 1837 -- Smallpox, California Native Americans\(^{280}\) 2,000-10,000
205. 1837 -- Aug-Nov, Yellow Fever Epidemics, Mobile AL; New Orleans LA; Natchez MS-1550-1930
206. 1837-38--Smallpox, Upper Mid-West Native American Tribes ~20,000
207. 1838 -- Yellow Fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)-376
208. 1839 -- Jun-Oct, Yellow Fever, SC, FL, GA, TX, esp. Mobile, Natchez, New Orleans--2764

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

209. 1840 -- Yellow Fever Outbreak, Charleston, SC (22), New Orleans (3) --  25
210. 1841 -- Yellow Fever, esp. FL & LA, esp. New Orleans, also Vicksburg, Charleston--3,498
211. 1842 -- July-Oct, Yellow Fever Epidemics, Mobile AL (66-77), New Orleans (211)-285-289
212. 1843 -- July-Nov, Yellow Fever, esp. Mobile AL (240-750), New Orleans (487-700)-758-1481
213. 1844 -- Yellow Fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA (148)-590
214. 1846 -- Yellow Fever epidemic, New Orleans, LA (146-160); also Mobile AL (4)--151-165
215. 1847 -- Smallpox, Modoc Native Americans, Southwestern Oregon -- >150
216. 1847 -- Fall, Measles Epidemic, Cayuse Indians, Southwestern WA -- >200
217. 1847 -- Yellow Fever, esp. NOLA, also Galveston, Mobile, Pensacola, Vicksburg\(^{281}\)>3,400
218. 1848 -- Dec, Cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX --1,159
219. 1848 -- Scarlet Fever Outbreak, Mobile, AL --  75
220. 1848 -- Jun-Nov, Yellow Fever, Mobile, New Orleans, NY Marine Hospital --  938
221. 1848 -- Sep-early 49, Measles/Whooping Cough/Dysentery/Influenza Epidemics, HI-10,000
222. 1849 -- Cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K)\(^{282}\)
223. 1849 -- Scarlet Fever Outbreak, Mobile, AL --  50
224. 1849-50 -- Scurvy,\(^{283}\) California Gold Rush Immigrants ~10,000
225. 1849 -- Yellow Fever Epidemic -- Charleston SC, New Orleans --  912

226. 1850 -- Cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI\(^{284}\)-14,158-14,637
227. 1850 -- Croup (contagious upper airway viral infection), nationwide 10,706
228. 1850 -- Dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965--20,556

\(^{280}\) 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 guestimate (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.”

\(^{281}\) 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 Matamoras, Texas. Mostly late Summer and Fall.

\(^{282}\) There were outbreaks in 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 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).

\(^{283}\) Severe vitamin C deficiency which can lead to death. GARD (Genetic and Rare Diseases Information Center), National Institutes of Health, U.S. Dept. of Health & Human Services, includes scurvy as a disease and shows a table which “lists symptoms that people with this disease may have.”

\(^{284}\) 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.
1850 -- Measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 -- 2,988
1850 -- Scarlet Fever, esp. PA/1,974, OH/1,301, NY/1,028, MA/571, MD/561, VA/523 -- 9,584
1850 -- Scurvy, especially MO/18, NM Territory/5, OH/5, LA/NY/VA/4 each, IA/3 -- 54
1850 -- Smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140 -- 2,352
1850 -- Tuberculosis (consumption), esp. NY/6,691, PA/3,520, MA/3,426, OH/2,558 -- 33,516
1850 -- Typhoid Fever, 31 States, Washington, DC, four Territories -- 13,099
1850 -- Whooping Cough, esp. NY/649, OH/450, GA/385, AL/305, PA/288, SC/269 -- 5,280

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

1851 -- June-Aug esp., Cholera, esp. St. Louis, IL, New Orl., Cincinnati, SD Sioux -- 3,314-3,322
1851 -- Smallpox, NYC, NY -- 562-586
1851 -- Yellow Fever Outbreak, New Orleans, LA -- 16

1852 -- Cholera, esp. NY/1.3K, IL/1.2-1.3K, New Orleans/1K-1.3K, MO/~1K--4,381-4,736
1852 -- Smallpox outbreak, Native Americans, Nevada City vicinity, CA -- ~100
1852 -- Smallpox outbreak, Philadelphia, PA -- 427
1852 -- Yellow Fever, Charleston, New Orleans, Savannah -- 745
1852 -- Nov/Dec, Unknown epidemic, Natives, Hock Farm, Sutter County, CA -- 40

1853 -- Cholera, New Orleans, LA (554-585); Choctaw on Arkansas Riv., OK/14--568-599
1853 -- Pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
1853 -- Smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC -7,450-9,450
1853 -- Typhoid outbreak, Native Americans, Nevada City vicinity, CA -- ~100
1853 -- May-Dec, Yellow Fever, esp. AL/1293, LA/~15K, MS/1311 TX/871--18,770-19,533

1854 -- Cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston -- 10,275-10,467
1854 -- Late March through early April (esp.) Scarlet Fever outbreak, Jacksonville, FL -- 15
1854 -- Late March through early April (esp.) Smallpox epidemic, Jacksonville, FL -- >15
1854 -- Jun-Dec, Yellow Fever, esp. Jacksonville, Charleston, Galveston, NOLA, Savannah -- 4,238
1855 -- May-Aug, Cholera, IL/KS/KY/MO/OH/WI, esp. New Orleans/883 -- 1,797-1,869
1855 -- Jun-Nov, Yellow Fever, esp. New Orleans/2,670; Norfolk/Portsmouth, VA/3K-6,059
1855 -- Sep 5, Cholera aboard Steamship Sierra Nevada, leaving NY -- 95
1856 -- Aug-Sep, Yellow Fever, Charleston SC/212-266, New Orleans/74, NY/12-304-358
1857 -- June-Dec, Yellow Fever, Charleston SC, Jacksonville FL/127, New Orleans/199-353
1858 -- Diphtheria, April-Fall, Albany, NY -- 167
1858 -- Jun-Dec, Yellow Fever, esp. Charleston SC; Galveston & Indianola; New Orleans/4855-- 6,490
1859 -- Yellow Fever Epidemic, Galveston & Edinburgh TX; New Orleans, LA -- 290

1860 -- Croup (contagious upper airway viral infection), nationwide 15,188
1860 -- Measles, especially NY, OH, MO and PA 3,809-3,900
1860 -- Scarletina (Scarlet Fever), 38 Census “Registration” States and DC 26,402

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285 Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.
286 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.
265. 1860 -- Smallpox, esp. MA/473, NY/303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271
266. 1860 -- Tuberculosis (consumption), 38 Census “Registration” States and DC 49,082
267. 1860 -- Typhoid Fever, 38 Census “Registration” States and DC 19,236
268. 1860 -- Whooping Cough, nationwide, especially, NY, NC, OH, PA, and VA  --8,408

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

269. 1861 -- Smallpox Outbreak, Philadelphia, PA  -- 758
270. 1861 -- May 1-June 30, 1865, Scurvy, white Union troops (non-POWs)  -- 383
271. 1861 -- May 1-Jun 30, 1866, Smallpox, Union soldiers and Confederate prisoners  --9,682

272. 1862 -- Yellow Fever, esp. Wilmington NC/>653; TX coast/>328; Key West --1,679
273. 1862 -- Feb-June 1865, Diarrhea & Dysentery, Confederate POWs, Camp Douglas IL- 698
274. 1862 -- Feb-Jun 1865 (41 mo.), malarial fevers, Confederate POWs, Camp Douglas IL- 233
275. 1862 -- Feb-Jun 1865 (41 mo.), pneumonia/pleurisy, Confederate POWs, Camp Douglas IL- 1,296
276. 1862 -- Feb-Jun 1865 (41 months), Scurvy, Confederate POWs, Camp Douglas, IL-- 30

277. 1863 -- Feb-Jun 1865 (41 months), Scurvy, Confederate POWs, Fort Delaware, DE-- 94
278. 1863 -- Sep-Jun 1865 (34 months), Dysentery/diarrhea, Confederate POWs, Alton, IL-229

279. 1863 -- Malaria (probably), Maidu Natives, Pence’s Ranch, Butte County, CA  -- 30
280. 1863 -- Smallpox, esp. DC/700, Camp Chase OH, Fort Delaware DE, Baltimore/IL/PA-2.3k--2,490
281. 1863 -- Yellow Fever Outbreak, Pensacola, FL  -- 200
282. 1863 -- June-June 1865 (25 mo.), Dysentery/diarrhea, Confederate POWs, Camp Morton, IN--315
283. 1863 -- Aug-Jun 1865, Diarrhea & Dysentery, Confederate POWs, Fort Delaware, DE- 644
284. 1863 -- Aug-Jun 1865 (23 months), Scurvy, Confederate POWs, Fort Delaware, DE-- 94
285. 1863 -- Sep-Jun 1865, Diarrhea & Dysentery, Confederate POWs, Point Lookout MD,2,050
286. 1863 -- Sep-Jun 1865 (20 months), Scurvy, Confederate POWs, Point Lookout MD-- 167
287. 1863 -- Nov 23-Mar 27 1865 (16 mo.), Dysentery, Union POWs, Prison Hosp., Danville VA-592

288. 1863 -- Cerebral Spinal Meningitis Epidemic, Carbondale & Philadelphia PA  -- 784
289. 1864 -- Smallpox, Fort Alton IL, Chicago/283, Philly/260, Northern VA/112, SC, DC--712
290. 1864 -- Yellow Fever, esp. New Bern NC/1,359, Charleston, SC/700, Galveston, NOLA--2,414
291. 1864 -- Feb-Jun 1865 (17 mo.), Dysentery/diarrhea, Confederate POWs, Camp Chase, OH--226
292. 1864 -- Feb-Jun 1865 (17 mo.), pneumonia/pleurisy, Confederate POWs, Camp Chase OH--954
293. 1864 -- Feb 24-Apr 17, 1865, Diarrhea & Dysentery, Union POW’s, Andersonville, GA --5,605
294. 1864 -- Feb 24-Aug 3, Malarial Fevers, Union POWs, Ft. Sumter, Andersonville GA-149
295. 1864 -- Feb-April 1865, Scurvy, Union POW’s, Camp Sumter, Andersonville, GA --3,614
296. 1864 -- July to June 1865, Diarrhea and Dysentery, Confederate POWs. Elmira, NY-1,394
297. 1864 -- July-June 1865 (12 mo.), pneumonia/pleurisy, Confederate POWs, Elmira, NY-773
298. 1865 -- Smallpox, esp. NYC/≤664, Philly/524, SC/GA/FL Sea Islands/~800
299. 1865 -- Smallpox, esp. MA/473, NY/303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271
300. 1865 -- Tuberculosis (consumption), 38 Census “Registration” States and DC 49,082
301. 1865 -- Typhoid Fever, 38 Census “Registration” States and DC 19,236
302. 1865 -- Whooping Cough, nationwide, especially, NY, NC, OH, PA, and VA  --8,408

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287 There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.
288 Categorized as intermittent (lets up but then comes back) and remittent (fluctuating body temperatures).
290 “Diarrhoea and Dysentery.”
291 Categorized as intermittent (lets up but then comes back) and remittent (fluctuating body temperatures).
292 This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.
DISEASES, especially communicable/infectious, esp. epidemics

298. 1866 -- May-Dec, Cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Philly/Army---~16K-17,742
299. 1866 -- Aug-Nov (esp.), Yellow Fever Outbreaks, especially New Orleans, LA (185)-- 211

300. 1867 -- Jan-Dec, Smallpox, Chicago, IL -- 123
301. 1867 -- Jun-Dec, Cholera Epidemic, esp. New Orleans, St. Louis, TN, U.S. Army --1,536
302. 1867 -- July-Dec, Yellow Fever, esp. New Orleans, Galveston/Houston; also AL/FL/MS/TN-10,004

303. 1868 -- June-Dec, Smallpox, esp. Chicago, Cincinnati, Milwaukee, San Francisco -- 960

304. 1869 -- Scarlet Fever, especially children, MI -- 252
305. 1869 -- Smallpox, Cincinnati, OH (231), Michigan (42) -- 273
306. 1869 -- Smallpox Epidemic, Gros Ventre Natives, Montana Territory --700--800

307. 1870 -- Croup, nationwide 10,692
308. 1870 -- Diarrhoea (14,195), Dysentery (7,912) and Enteritis (9,046) --31,153
309. 1870 -- Diphtheria, nationwide 6,303
310. 1870 -- Measles, nationwide 9,237
311. 1870 -- Pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA 40,012
312. 1870 -- Scarlet Fever, esp. IL, MO, NY, PA, WI 20,339
313. 1870 -- Smallpox, nationwide 4,597
314. 1870 -- Tuberculosis (Consumption), nationwide 69,896
315. 1870 -- Typhoid Fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA 22,187
316. 1870 -- Typhus, nationwide, especially IL, IN, NY, and PA --1,770
317. 1870 -- Whooping or “Hooping” Cough, nationwide, esp. NY, IL, IN, OH, PA 9,008
318. 1870 -- May-Dec, Yellow Fever, esp. New Orleans/587 Mobile/173 Brunswick GA --1,038

319. 1871 -- Scarlet Fever, especially children, Baltimore, MD (625), and MI (696) --1,321
320. 1871 -- May 1-Dec, Smallpox, Newark, Essex County, NJ -- ~96
321. 1871 -- July 30-Dec 18, Yellow Fever, esp. MS/143, Charleston SC/213, New Orleans/55--454
322. 1871 -- Winter-March 1872 -- Smallpox Epidemic, Philadelphia, PA --4,464
323. 1871 -- Nov-Dec, Smallpox Outbreak, Chicago, IL -- 60

324. 1872 -- Cerebral Spinal Meningitis, MA (esp. Boston), NYC, PA (esp. Philly) --1,090
325. 1872 -- Cholera, Philadelphia, PA --1,666
326. 1872 -- Measles Epidemic, Philadelphia, PA -- 143
327. 1872 -- Scarlet Fever, especially children, MI -- 565
328. 1872 -- Smallpox, esp. Baltimore, Boston, Cincinnati, IL, NYC, Philly, St. Louis --8,957
329. 1872 -- July 11-Nov 19, Yellow Fever, New Orleans, LA/~40; Galveston, TX/10 --50-51

330. 1873 -- Cerebral Spinal Meningitis, Boston & Lowell MA, Philadelphia, PA -- 499
331. 1873 -- Feb-Sep, Cholera, esp. AL/AR//IL/IN/IA/KY/LA/MS/MO/OH/TN ~4,539-4,599
332. 1873 -- Scarlet Fever, especially children, MI -- 580
333. 1873 -- Smallpox, esp. Chicago (515) and Baltimore (631); also Cincinnati (48) --1,194
334. 1873 -- July-Dec, Yellow Fever, esp. Memphis, AL, Pensacola, Louisville, LA, TX--3542-3584

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

335. 1874 -- Scarlet Fever, especially children, MI (440) and Cincinnati, OH (687) --1,127
336. 1874 -- Measles Epidemic, Omaha Nation, Nebraska Territory -- 533
337. 1874 -- Aug 17-Nov 9, Yellow Fever, Pensacola, Warrington, Woolsey, FL/381; also N.O.-- 398
338. 1875 -- Consumption (Tuberculosis), leading cause of death in State for year, MI --1,479
339. 1875 -- Diphtheria, Hudson County, NJ -- 533
340. 1875 -- Scarlet Fever, Michigan and Hudson County, NJ -- 537
341. 1875 -- Smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,699
342. 1875 -- Typhoid Fever, 3rd leading cause of death in MI for year -- 433
343. 1875 -- Whooping Cough, MI -- 101
344. 1875 -- Yellow Fever Outbreak, Key West, FL & Pascagoula, MS -- 98
345. 1875 -- Croup and Diphtheria, MI (374) and Hudson County, NJ (533) -- 907
346. 1876 -- Scarlet Fever, Hudson County, NJ -- 183
347. 1876 -- Smallpox, Cincinnati, OH -- 934
348. 1876 -- May 19-July 1, 1877, Smallpox Epidemic, San Francisco, CA -- 482
349. 1876 -- Yellow Fever, Savannah (also Brunswick), GA; also New Orleans & Baltimore --1,293
350. 1877 -- Diphtheria, Santa Cruz, CA; Hudson County, NJ -- 349
351. 1877 -- Scarlet Fever, Hudson County, NJ -- 213
352. 1877 -- Smallpox, Cincinnati, OH -- 56
353. 1877 -- Aug-Nov, Yellow Fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL--263
354. 1878 -- Diphtheria, Hudson County, NJ -- 177
355. 1878 -- Scarlet Fever, Hudson County, NJ (113); Fall, Cincinnati, OH (181) -- 294
356. 1878 -- Jun-Dec, Yellow Fever, esp. LA (esp. New Orleans), MS, TN (esp. Memphis)--20,000
357. 1879 -- Diphtheria, MN (955) and Hudson County, NJ (120)293 --1,071
358. 1879 -- Scarlet Fever Epidemic, Hudson County, NJ -- 232
359. 1879 -- Smallpox, San Antonio, TX; also to lesser extent NYC, NY -- 141
360. 1879 -- June-May 1880, Diphtheria, esp. Sep-Jan, esp. PA, IL, NY, IA 38,143
361. 1879 -- June-May 1880, “Malarial Fever,” esp. AL, AR, GA, IL, MS and MO 20,231
362. 1879 -- June-May 1880, Measles, nationwide, especially GA, IL, IN, KS and MO 8,254
363. 1879 -- June-May 1880, Meningitis, especially KY, NY, PA, MO and TN --7,481
364. 1879 -- June-May 1880, Scarlet Fever, especially children, esp. IN, NY and PA 16,388
365. 1879 -- June-May 1880, Smallpox, CA/CT/DC/IL/LA/MA/NJ/NM/NY, esp. PA,TX 1,284
366. 1879 -- June-May 1880, Typhoid (“Enteric”) Fever, esp. IL, IN, MO, OH, TX 23,339
367. 1879 -- June-May 1880, Tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA 91,270
368. 1879 -- June-May 1880, Whooping Cough, nationwide, esp. IN, GA, NC, TX, AL 11,064
369. 1879 -- June-Dec, Yellow Fever, Forest City, AR, Louisiana, MS, Memphis, TN --682-786
370. 1879 -- July-mid to early Aug, Cholera-like Epidemic, Center Point and Walker, IA--24-28

293 There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.
### DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

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<td>Diphtheria</td>
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<td>1884</td>
<td>Typhoid Fever</td>
<td>Washington, DC</td>
<td>76</td>
</tr>
<tr>
<td>1885</td>
<td>Diphtheria/Croup</td>
<td>localities in 16 states; esp. NY/4508, MI/1552, NJ/1496</td>
<td>10,788</td>
</tr>
<tr>
<td>1885</td>
<td>Typhoid Fever Epidemic</td>
<td>Plymouth, PA (114) &amp; Washington, DC (124)</td>
<td>238</td>
</tr>
<tr>
<td>1886</td>
<td>Typhoid Fever</td>
<td>Washington, DC</td>
<td>125</td>
</tr>
<tr>
<td>1887</td>
<td>Diphtheria</td>
<td>NYC, NY</td>
<td>4,509</td>
</tr>
<tr>
<td>1887</td>
<td>Typhoid Fever</td>
<td>Washington, DC</td>
<td>116</td>
</tr>
<tr>
<td>1887</td>
<td>Yellow Fever</td>
<td>esp. Fernandina Florida &amp; New Orleans, LA</td>
<td>941</td>
</tr>
<tr>
<td>1888</td>
<td>Measles Epidemic</td>
<td>Omaha Nation, Nebraska Territory</td>
<td>87</td>
</tr>
<tr>
<td>1888</td>
<td>Typhoid Fever</td>
<td>Washington, DC</td>
<td>168</td>
</tr>
<tr>
<td>1888</td>
<td>July-Dec, Yellow Fever epidemic</td>
<td>FL esp. Jacksonville/430; Decatur AL/35</td>
<td>546</td>
</tr>
<tr>
<td>1889</td>
<td>Measles Epidemic</td>
<td>Omaha Nation, Nebraska</td>
<td>50</td>
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<tr>
<td>1889</td>
<td>Typhoid Fever</td>
<td>Washington, DC</td>
<td>170</td>
</tr>
<tr>
<td>1889</td>
<td>Jan-Feb, Cerebro-spinal Meningitis Epidemic</td>
<td>Webster County, KY</td>
<td>50-70</td>
</tr>
<tr>
<td>1890</td>
<td>Diphtheria and Croup</td>
<td>especially IL, MA, NJ, NY</td>
<td>41,677</td>
</tr>
<tr>
<td>1890</td>
<td>Typhoid Fever</td>
<td>Nationwide, spiking in Oct</td>
<td>28,191-29,329</td>
</tr>
<tr>
<td>1890</td>
<td>Jan-Mar, Influenza (La Grippe/Russian Flu)</td>
<td>esp. IL, Northeast</td>
<td>16,024-17,526</td>
</tr>
</tbody>
</table>

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

294 Technically, what became the flu epidemic of early 1890 began in late December 1889.
400. 1891 -- March-May, Influenza and Pneumonia Epidemic, esp. Chicago, IL & NY  12,472
401. 1891 -- Epidemic, Typhoid Fever, Chicago (2,000), DC (208), Philadelphia (516)  --2,724
402. 1892 -- Typhoid, Washington, DC --  183
403. 1892 -- Typhus Fever, NYC, NY --  200
404. 1893 -- Cerebrospinal Meningitis Epidemic, New York City, NY --  469
405. 1893 -- Typhoid, Washington, DC --  186
406. 1893 -- Feb-Dec, Smallpox Outbreak, Reading, Berks County, PA --  18
407. 1893 -- Sep, Yellow Fever, Fort Bayou, AL, FL, Brunswick, GA --  61
408. 1893-94, Dec-Jan -- Epidemic Influenza, NY --2,200
409. 1893-94, Dec 24-Dec 22, -- Diphtheria, Brooklyn & NYC, NY --2,858
410. 1894 -- The Year, Polio Epidemic, VE, especially Rutland & Wallingford --  18
411. 1894 -- Jan 20-Jun 16, Scarlet Fever Outbreak, Brooklyn & New York City, NY --123
412. 1894 -- Jan-Dec 17, Smallpox, Chicago, DC, IL, IN, MI (esp. Detroit), NY, WI --1,397
413. 1894 -- Feb 4-10, Whooping Cough Outbreak, New York City, NY --  101
414. 1895 -- Feb 1-Jun 21 Smallpox Outbreak, esp. Hot Springs AR, Chicago, Cincinnati-- 160
416. 1895 -- June 16-22, Scarlet Fever, Binghamton, NYC, Oneonta, Yonkers --  17
417. 1895 -- Mid-Aug-Oct 3, Cholera Epidemic, Honolulu, HI --63-65
418. 1896 -- Measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT/3178
419. 1896 -- Smallpox, esp. New Orleans/238, Shreveport LA/11, Detroit/11, Dayton (8) --279
420. 1897 -- Typhoid Fever, esp. CT, DC, IN, MI, MN NY, OH, PA, Denver, St. Louis --5,855
421. 1897 -- Sep-Dec, Yellow Fever, esp. Mobile/48, New Orleans/298, MS, Memphis TN ~520
422. 1898 -- Smallpox Epidemic, Moqui Indians, AZ --  220
423. 1898 -- Aug 23-Nov 18, Yellow Fever, LA, especially New Orleans (57); MS (80) --175
425. 1899 -- Typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia --1,026
426. 1899 -- July-Dec, Yellow Fever, esp. Key West/68 Miami/14; New Orleans/23; MS, VA-- 126
427. 1899-90, Dec 11-March 31 -- Bubonic (Black) Plague (Asian ship), Honolulu, HI --  61
428. 1900 -- Croup (Upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686 --12,484
429. 1900 -- Diphtheria, esp. PA/2805, NY/2673, IL/1504, MA/1072, OH/698, NJ/678 --16,475
430. 1900 -- Dysentery, esp. AL/861 TX/794 GA/781 NY/676 TN/663 SC/578 AR/541--11,710
431. 1900 -- Influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778 VA/754 GA/667-16,645
432. 1900 -- Malarial Fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001 --14,874
433. 1900 -- Measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974--12,866
434. 1900 -- Meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189 NJ/909--19,423
435. 1900 -- Scarlet Fever, esp. PA/894, NY/812, TX/707, IL/643, MA/384, OH/334 --6,333
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

442. 1901 -- Jan 1-12, Grip (Influenza) Epidemic, St. Louis, MO -- 54

443. 1904-05 -- Cerebrospinal Meningitis Epidemic, New York City --2,594-3,428

444. 1905 -- Tuberculosis, Philadelphia, PA --3,365
445. 1905 -- May 21-Nov, Yellow Fever, esp. LA (esp. New Orleans/455), Pensacola, MS-1,131

446. 1906 -- Measles, Nationwide --5,087
447. 1906 -- The Year, Tuberculosis, Philadelphia, PA --3,742
448. 1906 -- Week of Dec 21, Scarlet Fever, Chicago, IL -- 115

449. 1907 -- Bubonic Plague “Epidemic,” San Francisco, CA -- 78
450. 1907 -- Diphtheria and Croup, Registration area, esp. NY and PA (esp. Philly) 10,154
451. 1907 -- Influenza, Census “Registration” States and Localities 10,066
452. 1907 -- Measles, Census Registration States and localities --4,302
453. 1907 -- Sum-Aut (Sep peak), Polio Epidemic, NY, esp. greater NYC --100-125
454. 1907 -- Scarlet Fever, Census Registration States and localities --4,309
455. 1907 -- Typhoid, Census Registration States and localities 12,670
456. 1907 -- Tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly) 76,650
457. 1907 -- Whooping Cough, Census Registration States and localities --4,856

458. 1908 -- Summer-Fall, Polio outbreak, IA, MA, MI, MN (13), VA, esp. WI (61) -- 87
459. 1908 -- Tuberculosis, Philadelphia, PA --3,490

460. 1909 -- Polio (Acute), IN, KS, MN, MT, ND, OR, especially MA and NE -- 266
461. 1909 -- Smallpox, 29 reporting States and the District of Columbia -- 132
462. 1909 -- Tuberculosis, Philadelphia, PA --3,496

463. 1910 -- Summer-Fall (especially), Polio, especially IA, MA, MN, NY, PA 1,459-1,655
464. 1910 -- Anthrax, CA, CO, DE, IN, ME, MD, MA, NY, OH, and esp. PA (7) -- 22
465. 1910 -- Smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67) --403-415
466. 1910 -- Tuberculosis, Philadelphia, PA 3,190
467. 1910 -- Typhoid, Nationwide 25,000

468. 1911 -- Anthrax, CA (2), CT (2), DE, IN, LA (2), MA, NY, OH, PA (2), VT -- 14
469. 1911 -- Diphtheria and Croup, NYC, NY --1,281
470. 1911 -- Measles, NYC, NY -- 659
471. 1911 -- Polio, Nationwide, esp. IL, IN, IA, MA, MN, NY, PA, WI -- 440
472. 1911 -- Scarlet Fever, NYC, NY -- 741
473. 1911 -- Smallpox, 29 reporting States and the District of Columbia -- 134
474. 1911 -- Typhoid Fever, PA -- 1,716
475. 1911 -- Aug-Dec, Tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX -- 10,926
476. 1911 -- Oct-June 8, 1912, Meningitis Epidemic, esp. TX, OK, MO -- 740

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

478. 1912 -- Diphtheria and Croup, NYC, NY -- 1,125
479. 1912 -- Measles, NYC, NY -- 671
480. 1912 -- March 24-June 8, Pneumonia, Chicago, IL, NYC, NY -- 4,342
481. 1912 -- Polio, especially Summer to Fall, especially children, especially CA (129) -- 518
482. 1912 -- Scarlet Fever, NYC, NY -- 615
483. 1912 -- Smallpox, 35 States and DC, especially TX (128); Pittsburgh (33) -- 301-307
484. 1912 -- Tuberculosis, Jan 1-Feb 24, Chicago IL, NJ, NYC, NY, Philadelphia, PA -- 2,960
485. 1912 -- Typhoid, Pennsylvania -- 1,310

486. 1913 -- Anthrax, CA, CT, DE/2, MA/3, MN, MO, NY/4, OH, PA/8, VA, WA, WI -- 25
487. 1913 -- Diphtheria and Croup, NYC, NY -- 1,333
488. 1913 -- Measles, NYC, NY and Pittsburgh, PA -- 423
489. 1913 -- Scarlet Fever, NYC, NY -- 507
490. 1913 -- June-Sep (esp. Sep), Polio Epidemic, Buffalo, NY -- 57

491. 1914 -- Anthrax, CA, CT, DE, LA, ME, NE, NJ (2), NY, OH (2), PA (6), VA, WI -- 19
492. 1914 -- Diphtheria and Croup, NYC, NY -- 1,489
493. 1914 -- Influenza and Pneumonia, NYC, NY -- 10,500
494. 1914 -- Measles, NYC, NY -- 367
495. 1914 -- Polio, the year, especially Summer-Fall, especially children, nation 413-434
496. 1914 -- Scarlet Fever, NYC, NY -- 451

497. 1915 -- Anthrax, CA/2, CO, CT/3, IN, LA, MA/4, MN/2, MT, NJ, NY/14, PA/4, UT -- 35
498. 1915 -- Diphtheria and Croup, NYC, NY -- 1,278
499. 1915 -- Measles, NYC, NY -- 630
500. 1915 -- Polio, the year, especially Summer and Fall, especially children -- 311
501. 1915 -- Scarlet Fever, NYC, NY -- 291
502. 1915-16 -- Dec-Jan, Influenza & Pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI -- 21,102

503. 1916 -- Anthrax, CT, IL, KY/2, MA/5, MI/2, MO, NY/4, NC/2, PA/7, TX/2, WA -- 28
504. 1916 -- Diphtheria, especially children, nationwide, esp. PA, NY, MI >8,000-17,000
505. 1916 -- July-Sep esp. Polio, esp. NYC/NY (3,331), NJ (1,180), PA (414) -- 6,745-7,000

**DISEASES, especially communicable/infectious, esp. Epidemics -- Chronological -- cont.**
1917 -- Anthrax, esp. CA/6, CO/2, KS/2, MA/11, NJ/6, NY/12, PA/10, WI/2 -- 62
1917 -- Influenza and Pneumonia -- 115,526
1917 -- Polio, especially Jun-Sep, Census registration area (27 States, some cities) >1,182
1917 -- Scurvy, New York City (15) and elsewhere state of NY (4) -- 19
1917-18 -- Oct 10-March 8, 1918, Smallpox, Eagle Pass, Maverick Co., TX -- 33
1917 -- Dec 21, Pneumonia, NYC, NY -- 56
1918 -- June-Nov, Polio Outbreak, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY -- ~180
1918 -- Typhoid Fever, 33 Registration States, DC and Puerto Rico, esp. TX -- 9,100
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
1919 -- Diphtheria, 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ, NY, OH-9,160
1919 -- Polio (Acute). Especially late Summer and Fall, especially children -- 747
1920 -- Diphtheria & Croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885295 --13,395
1920 -- Dysentery, 33 registration states -- 3,574
1920 -- Influenza and Pneumonia (1918-1920 subset) -- 141,609-220,798
1920 -- Mumps, 33 registration states -- 7,712
1920 -- Polio (Acute) especially late Summer and Fall (33 “registration states) -- 152
1920 -- Scarlet Fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE298-4,004
1920 -- Smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28299 -- 508
1920 -- Tuberculosis, esp. Denver, San Antonio, Nashville, New Orleans -- 99,916
1920 -- Typhoid Fever, esp. PA/503 KY/490 OH/435 TN/434 IL/380 NY/SC/379300 --6,805
1920 -- Whooping Cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536301 10,968
1921 -- Measles, especially children, nationwide -- 4,667
1921 -- Polio (Acute), esp. late Summer-Fall, esp. children, esp. NY, IL, WA, MI -- 1,597
1922 -- Polio (Acute), especially late Summer and Fall, especially children -- 790

DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.
1923 -- Polio (Acute), especially late Summer and Fall, especially children -- 850
1924 -- Polio (Acute), especially late Summer and Fall, especially children --1,079
1924 -- Oct-Nov esp. Pneumonic and Bubonic Plague Epidemic, Los Angeles, CA --35-37
1925 -- Anthrax, CA/2, CT, DE/3, IL, IN, LA/2, MA, MS, MO, NJ, NY/2, OR, PA/4, WA-- 22
1925 -- Diphtheria, esp. NY/1,006, PA/973, IL/409, OH/392, MI/360, NJ/337 --8,058
1925 -- Influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464 --30,538
1925 -- Malaria, esp. MS/426, FL/338, AL/256, MO/189, SC/183, TN/155 --2,132
1925 -- Measles, 40 Registration states, esp. PA/503, MA/349, NY/323, IL/217, NJ/124--2,404
1925 -- Meningococcus meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51 --1,095
1925 -- Polio, esp. late Sum.-Fall, esp. children, esp. NY/208, CA/149, MN/140 --1,519
1925 -- Scarlet Fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169 --2,762
1925 -- Smallpox, 24 States, especially PA/7, NY/6, VA/6, MI/5, AL/4 and MD/4 -- 58
1925 -- Tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819 89,268
1925 -- Typhoid & paratyphoid Fever, 48 States, esp. KY/668, TN/653, LA/649 --8,287
1925 -- Whooping Cough, esp. PA/648, NY/523, CA/481, OH/374, IL/315, MA/279--6,948
1926 -- Polio (Acute), especially late Summer and Fall, especially children -- 851
1927 -- Polio (Acute), especially late Summer and Fall, especially children --2,013
1928 -- Polio (Acute), especially late Summer and Fall, especially children --1,381
1928-29 -- Winter, Influenza and Pneumonia Epidemic ~50,000
1929 -- Polio (Acute), especially late Summer and Fall, especially children -- 812
1930 -- Influenza and Pneumonia, nationwide 102,504
1930 -- Malaria, nationwide, esp. AL, AR, FL, GA, LA, MS, OK, SC, TN, TX 3,572
1930 -- Polio, especially late Summer through Fall --1,370
1931 -- “Epidemic Cerebrospinal Meningitis,” especially IL, NY and PA 2,832
1931 -- The year, Diphtheria, especially children, especially AR, IL, KY and PA 5,738
1931 -- Influenza (31,701) and Pneumonia, all forms (96,974), especially PA 128,675
1931 -- Malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN 2,536
1931 -- Measles, especially children, especially IL and PA --3,576
1931 -- Polio, esp. July-Oct (Aug peak), esp. NY, NJ, MI, MA, IL, CT, PA 2,139-2,144
1931 -- Scarlet Fever, especially children, especially IL --2,651
1931 -- Tuberculosis, esp. CA, IL, NY, OH, PA 81,395
1931 -- Whooping Cough, year, especially children, esp. IL, KY, NY and PA --4,619
1932 -- Polio (Acute), especially late Summer and Fall, especially children -- 828
1933 -- Polio (Acute), especially late Summer and Fall, especially children -- 797
1934 -- Polio (Acute), especially late Summer and Fall, especially children -- 852

302 “Epidemic Cerebrospinal Meningitis,” is the name used for this malady in U.S. Census, Mortality Statistics 1931.
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

568. 1935 -- Polio (Acute), especially late Summer-and Fall, especially children --1,040
569. 1936 -- Polio (Acute), especially late Summer and Fall, especially children -- 780
570. 1937 -- Polio (Acute), especially late Summer and Fall, especially children --1,461
571. 1938 -- Polio (Acute), especially late Summer and Fall, especially children -- 487

572. 1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec, Nationwide, esp. GA, IL, NC, TX, VA 1,997
573. 1939 -- Influenza (21,464) & Pneumonia, esp. CA, IL, MI MO, NY, OH, PA, TX 99,097
574. 1939 -- Malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX 1,761
575. 1939 -- Polio (Acute), especially late Summer through Fall, especially children 773
576. 1939 -- Tuberculosis, Nationwide, esp. CA, IL, NY, OH, PA, TN, TX 61,609
577. 1939 -- Whooping Cough, nationally, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA 3,026

578. 1940 -- Influenza and Pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX 92,525
579. 1940 -- Malaria, especially AL, AR, GA, MS, SC and TX --1,442
580. 1940 -- Polio, Nationwide, especially IL, IN, IA, KS, MI, OH and WV --1,026
581. 1940 -- Tuberculosis, Nationwide, especially CA, IL, NY, OH, PA and TX 55,576
582. 1940 -- Whooping Cough, Nationwide, especially TX and KY --2,926

583. 1941 -- Measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133) --2,279
584. 1941 -- Polio, especially late Summer and Fall, especially children -- 807

585. 1942 -- Polio, especially late Summer and Fall, especially children -- 561
586. 1943 -- Measles, especially children -- 307
587. 1943 -- Polio, especially late Summer and Fall, especially children --1,151
588. 1943 -- Jan-Dec, Whooping Cough, especially children, nationwide --3,368

589. 1944 -- Cerebrospinal Meningitis, Nationwide, esp. CA, IL, MI, NJ, NY, OH, PA --2,812
590. 1944 -- Influenza, especially Jan-Apr & Dec, Nationwide, especially OH, PA, TX 17,320
591. 1944 -- Measles, especially Jan-June, Nationwide, esp. CA, GA, OH, PA, TX --1,923
592. 1944 -- Polio, the year, especially July-Nov (1,070 deaths), esp. NY, OH and PA --1,381
593. 1944 -- Tuberculosis, Nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX 54,731
594. 1944 -- Whooping Cough, Nationwide, especially NC, VA, TX, SC, KY, MS --1,878

595. 1945 -- Measles, especially children --1,301
596. 1945 -- Polio, especially July-Nov (Sept. peak) --1,186

597. 1946 -- Especially July-Nov, Polio, nationwide, esp. IL, MN and TX --1,845
598. 1947 -- Polio, nationwide -- 580
599. 1948 -- Polio, especially CA, MN, NC, OH, SD, TX and WI --1,895

601. 1950 -- Measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25) -- 468
602. 1950 -- Polio, esp. Jul-Nov (1,611 deaths), esp. CA, IL, MI, NY, OH, PA, TX --1,904
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

603. 1951 -- Polio, especially July-Nov, especially CA, IL, TX -- 1,551-1,555
604. 1951 -- Tuberculosis, CO -- 200

605. 1952 -- Polio Epidemic, Nationwide, esp. upper Midwest -- 3,000-3,300
606. 1953 -- Polio, especially CA, IL, MI, and NY -- 1,450

607. 1954 -- Polio, especially late Summer and Fall, especially children -- 1,368
608. 1955 -- Polio, most States, especially, Boston, MA (~200) -- 1,043

609. 1956 -- Polio, especially late Summer and Fall, especially children -- 566

610. 1957 -- Polio, especially late Summer and Fall, especially children -- 221
611. 1957-58 -- “Asian” Influenza (and Pneumonia) Epidemic, esp. Fall-Spring -- ~70,000

612. 1958 -- Polio (Acute), especially late Summer and Fall, especially children -- 255
613. 1959 -- Polio (Acute), especially late Summer and Fall, especially children -- 454

614. 1960 -- Measles, especially children -- 380
615. 1960 -- Polio (Acute), especially late Summer and Fall, especially children -- 230

616. 1961 -- Polio (Acute), especially late Summer and Fall, especially children -- 90
617. 1962 -- Polio (Acute), especially children -- 60
618. 1963 -- Polio (Acute), especially children -- 41

619. 1964 -- June 27-Oct 3, St. Louis Encephalitis Epidemic, Houston/33; elsewhere/24303 -- 57
620. 1966 -- Jan-Dec, Influenza and Pneumonia, nationwide 63,615
621. 1968-69 (Sep-March), A2 “Hong Kong” Influenza (and Pneumonia) Epidemic 33,800

622. 1976 -- Chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7 -- 106
623. 1976 -- Polio (Acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6 -- 90
624. 1976 -- Tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6 -- 3,130
625. 1976 -- Whooping Cough, NY (2), FL, MS, OH, OK, WI, one each -- 7

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

303 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.
1977 -- Chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each -- 89
1977 -- German Measles (Rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1-- 17
1977 -- Influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98--1,304
1977 -- Measles (Rubella), CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1 -- 15
1977 -- Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K -- 100
1977 -- Tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2 --2,968
1977 -- Whooping Cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each -- 10
1978 -- Chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT -- 91
1978 -- German Measles (Rubella), ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI -- 10
1978 -- Influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7 --4,052
1978 -- Measles (Rubella), ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OH/TX/VA-- 11
1978 -- Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K -- 95
1978 -- Tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914
1979 -- Chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5 -- 103
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
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
1980 -- Chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5 -- 78
1980 -- Influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
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
1980 -- Tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74 --1,978
1980 -- Whooping Cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NY/PA/VA-- 11
1981 -- Chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5 -- 84
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
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
1982 -- Chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6 -- 61
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 -- Scurvy/ascorbic acid deficiency, IN, KY, MD, MA, OH, TX (1 death each) -- 6
1982 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4 --1,807
1983 -- Chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5 -- 57
1983 -- Influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
1983 -- Tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2 --1,779
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

656. 1984 -- Chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5 -- 53
657. 1984 -- Influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 --1,096
658. 1984 -- Meningococcal Meningitis, ICD-9 code 036.0, esp. CA and NY (8 each) -- 95
659. 1984 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729
660. 1985 -- Chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10 -- 68
661. 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
662. 1985 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000 -- 13
663. 1985 -- Measles, AZ (1); IL (1); ME (1); MA (1) -- 4
664. 1985 -- Meningococcal Meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5 -- 88
665. 1985 -- Tuberculosis, death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34 --1,752
666. 1986 -- Chickenpox; US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5) -- 47
667. 1986 -- Influenza, US death rate 0.76 per 100K, esp. VT/3.9, ME/3.59, MN/3.2, ND/2.84 --1,838
668. 1986 -- Meningococcal Meningitis, ICD-9 code 036.0, esp. CA (13), NY (10) -- 88
669. 1986 -- Tuberculosis, death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34 --1,782
670. 1987 -- Chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10) -- 89
671. 1987 -- Influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632
672. 1987 -- Meningococcal Meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13 -- 64
673. 1987 -- Tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755
674. 1988 -- Chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/0.18 (1) -- 83
675. 1988 -- Influenza, US death rate 0.79 per 100K, esp. ID/3.7, IA/2.5, MT/2.6, SD/3.3 --1,943
676. 1988 -- Meningococcal Meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13 -- 87
677. 1988 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48 --1,921
678. 1988 -- Measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1 -- 3
679. 1989 -- Chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10) -- 89
680. 1989 -- Influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593
681. 1989 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000 -- 11
682. 1989 -- Measles, CDC reports 17,850 cases in 47 States and DC --45-62
683. 1989 -- Meningococcal Meningitis, ICD-9 code 036.0, especially CA/20, NY/13 -- 88
684. 1989 -- Tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34 --1,970
685. 1989 -- Whooping Cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old) -- 12
686. 1990 -- Chickenpox, US death rate 0.05 per 100K, esp. CA/26, NY/14, TX/10 -- 120
687. 1990 -- Influenza, US death rate 0.84 per 100K; esp. NE/3.5; IA/3.1; ID/2.3; SD/2.3 --2,098
688. 1990 -- Measles Resurgence (largest loss of life since 1971), esp. young children --79-108
689. 1990 -- Meningococcal Meningitis, ICD-9 code 036.0, especially CA, 13 deaths -- 72
690. 1990 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48 --1,810
691. 1990 -- Whooping Cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old) -- 12
1991 -- Chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths)  
1991 -- Influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54  
1991 -- Measles resurgence, especially CA (8); NY (15); and PA (9)  
1991 -- Meningococcal Meningitis, US death rate 0.02 per 100K, CA 0.03/10 deaths  
1991 -- Tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32. NY/1.62; AR/1.17  
1992 -- Chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07  
1992 -- Influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27  
1992 -- Measles, especially young children  
1992 -- Meningococcal Meningitis, US death rate 0.02 per 100K  
1992 -- Tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33  
1993 -- Chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16)  
1993 -- Influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37--1,044  
1993 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000  
1993 -- Meningococcal Meningitis, US death rate 0.10 per 100K; esp. CA & GA, 0.14  
1993 -- Tuberculosis, US death rate 0.63 per 100K, esp. DC/2.51 and NY/1.16  
1993 -- May esp., Hantavirus Pulmonary Syndrome, esp. Native Americans, NM/AZ  
1994 -- Chickenpox, especially CA (17), MI (10), NY (10) and TX (48)  
1994 -- Influenza, US death rate 0.47 per 100K; esp. SD/2.6; VE 2.42; MT 1.54; OR 1.37--1,044  
1994 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03  
1994 -- Tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86  
1995 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000  
1995 -- Chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12)  
1995 -- Influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32  
1995 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03  
1995 -- Tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89  
1996 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.002 per 100,000  
1996 -- Chickenpox (Varicella), ICD-9 code 052  
1996 -- Influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616)  
1996 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03  
1996 -- Tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92  
1997 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000  
1997 -- Chickenpox (Varicella), ICD-9 code 052, especially CA (12)  
1997 -- Influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99)  
1997 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12  
1997 -- Tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99  
1998 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000  
1998 -- Chickenpox (Varicella), ICD-9 code 052, especially CA (10)
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

1998 -- Infectious colitis, enteritis, gastroenteritis, ICD-9 code 009.0, death rate 0.124 per 100K -- 342
1998 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13) -- 73
1998 -- Tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 -- 1,112

1998 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13) -- 73
1998 -- Tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 -- 1,112

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

1999 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
1999 -- Chickenpox (Varicella), ICD-10 code B01 -- 48
1999 -- Diarrhoea/Gastroenteritis of infectious origin; no State with 10 deaths -- 65
1999 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) -- 1,765
1999 -- Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10) -- 71
1999 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, no state >10 deaths -- 55
1999 -- Tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608 -- 930

1999 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
1999 -- Chickenpox (Varicella), ICD-10 code B01 -- 48
1999 -- Diarrhoea/Gastroenteritis of infectious origin; no State with 10 deaths -- 65
1999 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) -- 1,765
1999 -- Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10) -- 71
1999 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11) -- 74
1999 -- Tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559 -- 776
1999 -- Whooping Cough (ICD-10 code A37.0), (all under 1 year-old) -- 12

2000 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
2000 -- Chickenpox (Varicella), ICD-10 code B01 -- 44
2000 -- Diarrhoea/Gastroenteritis of infectious origin; no State with 10 deaths -- 65
2000 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) -- 1,765
2000 -- Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15) -- 71
2000 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (11) -- 74
2000 -- Tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559 -- 776
2000 -- Whooping Cough (ICD-10 code A37.0), (all under 1 year-old) -- 12

2001 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 12
2001 -- Chickenpox (Varicella), ICD-10 code B01 -- 26
2001 -- Diarrhoea/Gastroenteritis of infectious origin; no State with 10 deaths -- 56
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
2001 -- Meningococcal Meningitis, ICD-10 code A39.0; no state over 9 deaths -- 61
2001 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10) -- 75
2001 -- Tuberculosis, ICD-10 code A16-19; death rate 0.268 per 100K, esp. DC, 1.741 -- 764
2001 -- Whooping Cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old) -- 17

2002 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 12
2002 -- Chickenpox (Varicella), ICD-10 code B01 -- 32
2002 -- Diarrhoea/Gastroenteritis of infectious origin; no State with 10 deaths -- 56
2002 -- Influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. SD (2.237) -- 727
2002 -- Malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths -- 12
2002 -- Meningococcal Meningitis, ICD-10 code A39.0; no state over 9 deaths -- 53
2002 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10) -- 78
2002 -- Tuberculosis, ICD-10 code A16-19; death rate .273 per 100K, esp. AR, .443-- 784
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
2003 -- Chickenpox (Varicella), ICD-10 code B01 -- 16
2003 -- Diarrhoea/Gastroenteritis of infectious origin, esp. FL/17, (above avg. death rate) -- 98
DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

2004 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000 -- 9
769. 2004 -- Chickenpox (Varicella), ICD-10 code B01 -- 19
770. 2004 -- Diarrhoea/Gastroenteritis, infectious origin, esp. FL/10, IL/10 (above avg. death rate) -- 111
771. 2004 -- Influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827) -- 1,100
772. 2004 -- Meningococcal Meningitis, ICD-10 code A39.0 (all states below 10 deaths) -- 38
773. 2004 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3, esp. CA (10) -- 71
774. 2004 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36 -- 57
775. 2004 -- Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old -- 16
776. 2005 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16
777. 2005 -- Chickenpox (Varicella), ICD-10 code B01 -- 13
778. 2005 -- Diarrhoea/Gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate) -- 132
779. 2005 -- Influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) -- 1,812
780. 2005 -- Meningococcal Meningitis, ICD-10 code A39.0 (all states below 10 deaths) -- 27
781. 2005 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 55
782. 2005 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.39 -- 648
783. 2005 -- Whooping Cough (ICD-10 code A37.0), 28 under 1 year-old -- 31
784. 2006 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
785. 2006 -- Chickenpox (Varicella), ICD-10 code B01 -- 18
786. 2006 -- Diarrhoea/Gastroenteritis, Infectious Origin, esp. CA/20, PA/14 (above avg. death rate) -- 149
787. 2006 -- Influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605) -- 849
788. 2006 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths) -- 32
789. 2006 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 57
790. 2006 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33 -- 652
791. 2007 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
792. 2007 -- Chickenpox (Varicella), ICD-10 code B01 -- 14
793. 2007 -- Diarrhoea/Gastroenteritis, Infectious Origin, esp. IL/10, NJ/10 (above avg. death rate) -- 127
794. 2007 -- Influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33) -- 411
795. 2007 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths) -- 24
796. 2007 -- Streptococcal toxic shock syndrome, ICD-10 code A48.3 (emerging disease) -- 18
797. 2007 -- Tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate -- 554
798. 2008 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16
799. 2008 -- Chickenpox (Varicella), ICD-10 code B01 -- 18
800. 2008 -- Diarrhoea and Gastroenteritis of Infectious Origin, esp. CA (17), NY (23) -- 134
801. 2008 -- Influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13) -- 1,772
The ICD-10 Code for Influenza and Pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).
<table>
<thead>
<tr>
<th>Year</th>
<th>Disease Description</th>
<th>ICD-10 Code</th>
<th>Deaths</th>
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<td>Whooping Cough</td>
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**DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.**

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<th>Deaths</th>
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DISEASES, especially communicable/infectious, esp. epidemics -- Chronological -- cont.

874. 2016 -- Whooping Cough (ICD-10 code A37.0) -- 11

875. 2017-2018 -- Winter (March 2018 end) Influenza (primarily H3N2) ~80,000

<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
<th>Death Rate per 100,000</th>
<th>Mortality</th>
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<td>Adenovirus infection, ICD-10 code B34.0</td>
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<td>Adenovirus infection, ICD-10 code B34.0</td>
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<td>2012</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
<td>0.007</td>
<td>21</td>
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<td>2013</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
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<td>2009</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
<td>0.006</td>
<td>19</td>
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<tr>
<td>1998</td>
<td>Adenovirus infection, ICD-9 code 079.0</td>
<td>0.01</td>
<td>16</td>
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<td>2005</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
<td>0.005</td>
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<td>Adenovirus infection, ICD-10 code B34.0</td>
<td>0.005</td>
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<tr>
<td>2000</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
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<td>11</td>
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<td>2018</td>
<td>October, Adenovirus 7, children, Wanaque Nursing &amp; Rehabilitation Center, NJ</td>
<td>0.002</td>
<td>11</td>
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<td>2004</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
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<td>2003</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
<td>0.003</td>
<td>8</td>
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<tr>
<td>1996</td>
<td>Adenovirus infection, ICD-10 code B34.0</td>
<td>0.002</td>
<td>6</td>
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</table>
Disease -- **ADENOVIRUS Infection** -- Chronologically

1. 1995 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
2. 1996 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.002 per 100,000 -- 6
3. 1997 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.004 per 100,000 -- 11
4. 1998 -- Adenovirus infection, ICD-9 code 079.0, death rate 0.01 per 100,000 -- 16
5. 1999 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
6. 2000 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 11
7. 2001 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 12
8. 2002 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.004 per 100,000 -- 12
9. 2003 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000 -- 8
10. 2004 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.003 per 100,000 -- 9
11. 2005 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16
12. 2006 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
13. 2007 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
14. 2008 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 16
15. 2009 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 19
16. 2010 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.005 per 100,000 -- 15
17. 2011 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000 -- 21
18. 2012 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.007 per 100,000 -- 21
19. 2013 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.006 per 100,000 -- 20
20. 2014 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.009 per 100,000 -- 29
21. 2015 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.015 per 100,000 -- 48
22. 2016 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.014 per 100,000 -- 46
23. 2017 -- Adenovirus infection, ICD-10 code B34.0, death rate 0.014 per 100,000 -- 48
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
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
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
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
<th>Deaths (ICD-9 Code)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994</td>
<td>Chickenpox, especially CA (17), MI (10), NY (10) and TX (48)</td>
<td>124</td>
</tr>
<tr>
<td>1990</td>
<td>Chickenpox, US death rate 0.05 per 100K, esp. CA (26), NY (14), TX (10)</td>
<td>120</td>
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<tr>
<td>1995</td>
<td>Chickenpox, esp. children &lt;9 (38) and 25-34 (30), esp. PA (10), TX (12)</td>
<td>115</td>
</tr>
<tr>
<td>1976</td>
<td>Chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7</td>
<td>106</td>
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<tr>
<td>1979</td>
<td>Chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5</td>
<td>103</td>
</tr>
<tr>
<td>1992</td>
<td>Chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07</td>
<td>100</td>
</tr>
<tr>
<td>1993</td>
<td>Chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16)</td>
<td>100</td>
</tr>
<tr>
<td>1997</td>
<td>Chickenpox (Varicella), ICD-9 code 052, especially CA (12)</td>
<td>99</td>
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<tr>
<td>1978</td>
<td>Chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT</td>
<td>91</td>
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<tr>
<td>1977</td>
<td>Chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each</td>
<td>89</td>
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<tr>
<td>1987</td>
<td>Chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10)</td>
<td>89</td>
</tr>
<tr>
<td>1989</td>
<td>Chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10)</td>
<td>89</td>
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<tr>
<td>1981</td>
<td>Chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5</td>
<td>84</td>
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<tr>
<td>1988</td>
<td>Chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/018 (1)</td>
<td>83</td>
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<tr>
<td>1991</td>
<td>Chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths)</td>
<td>81</td>
</tr>
<tr>
<td>1996</td>
<td>Chickenpox (Varicella), ICD-9 code 052</td>
<td>81</td>
</tr>
<tr>
<td>1998</td>
<td>Chickenpox (Varicella), ICD-9 code 052, especially CA (10)</td>
<td>81</td>
</tr>
<tr>
<td>1980</td>
<td>Chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5</td>
<td>78</td>
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<td>1985</td>
<td>Chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10</td>
<td>68</td>
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<tr>
<td>1982</td>
<td>Chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6</td>
<td>61</td>
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<tr>
<td>1983</td>
<td>Chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5</td>
<td>57</td>
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<tr>
<td>1984</td>
<td>Chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5</td>
<td>53</td>
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<td>1999</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
<td>48</td>
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<td>1986</td>
<td>Chickenpox; US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5)</td>
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<td>2000</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
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<td>2003</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
<td>16</td>
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<td>2012</td>
<td>Chickenpox (Varicella), ICD-10 code B01, especially ≥85 (7)</td>
<td>16</td>
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<tr>
<td>2010</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
<td>15</td>
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<td>2007</td>
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<td>2011</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
<td>14</td>
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<tr>
<td>2015</td>
<td>Chickenpox (Varicella), ICD-10 code B01, especially children</td>
<td>14</td>
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<td>2005</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
<td>13</td>
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<tr>
<td>2016</td>
<td>Chickenpox (Varicella), ICD-10 code B01</td>
<td>6</td>
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</tbody>
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Disease -- CHICKENPOX -- Chronological

1. 1976 -- Chickenpox; US death rate 0.05 per 100K; CA/9, NY/9, TX/9, IL/8, NJ/7 -- 106
2. 1977 -- Chickenpox; US death rate 0.04 per 100K, esp. CA/13, NJ/NY/TX/8 each -- 89
3. 1978 -- Chickenpox; US death rate .04 per 100K, esp. CA/14 (.06), TX/8 (.06), CT -- 91
4. 1979 -- Chickenpox; US death rate 0.05 per 100K, esp. CA/11, NY/10, TX/8, AL/5 -- 103
5. 1980 -- Chickenpox; US death rate 0.03 per 100K, esp. NY/9, TX/8, IL/7, MI/5 -- 78
6. 1981 -- Chickenpox; US death rate 0.04 per 100K, esp. IL/8, CA/7, NY/7, OH/6, NJ/5 -- 84
7. 1982 -- Chickenpox; US death rate 0.03 per 100K, especially CA/11, FL/6, NY/6 -- 61
8. 1983 -- Chickenpox; US death rate 0.02 per 100K, especially NY/8, CA/5, TX/5 -- 57
9. 1984 -- Chickenpox; US death rate 0.02 per 100K, especially CA/8, TX/7, NY/5 -- 53
10. 1985 -- Chickenpox; US death rate 0.03 per 100K, esp. CA/13 and NY/10 -- 68
11. 1986 -- Chickenpox, US death rate 0.02 per 100K, esp. NY (9), TX (7), CA (5) -- 47
12. 1987 -- Chickenpox, US death rate 0.04 per 100K, esp. NY (14), CA (10) -- 89
13. 1988 -- Chickenpox, US death rate 0.03 per 100K, esp. WY/0.22 (1), AK/018 (1) -- 83
14. 1989 -- Chickenpox, US death rate 0.04 per 100K, esp. CA/0.06 (18), NJ/0.13 (10) -- 89
15. 1990 -- Chickenpox, US death rate 0.05 per 100K, esp. CA (26), NY (14), TX (10) -- 120
16. 1991 -- Chickenpox, US death rate 0.03 per 100K, especially CA, 0.06 (17 deaths) -- 81
17. 1992 -- Chickenpox, US death rate 0.04 per 100K, esp. TX (12 deaths) at 0.07 -- 100
18. 1993 -- Chickenpox, US death rate 0.04 per 100K, especially CA (17), NY (16) -- 100
19. 1994 -- Chickenpox, especially CA (17), MI (10), NY (10) and TX (48) -- 124
20. 1995 -- Chickenpox, esp. children <9 (38) and 25-34 (30), esp. PA (10), TX (12) -- 115
21. 1996 -- Chickenpox (Varicella), ICD-9 code 052 -- 81
22. 1997 -- Chickenpox (Varicella), ICD-9 code 052, especially CA (12) -- 99
23. 1998 -- Chickenpox (Varicella), ICD-9 code 052, especially CA (10) -- 81
24. 1999 -- Chickenpox (Varicella), ICD-10 code B01 -- 48
25. 2000 -- Chickenpox (Varicella), ICD-10 code B01 -- 44
26. 2001 -- Chickenpox (Varicella), ICD-10 code B01 -- 26
27. 2002 -- Chickenpox (Varicella), ICD-10 code B01 -- 32
28. 2003 -- Chickenpox (Varicella), ICD-10 code B01 -- 16
29. 2004 -- Chickenpox (Varicella), ICD-10 code B01 -- 19
30. 2005 -- Chickenpox (Varicella), ICD-10 code B01 -- 13
31. 2006 -- Chickenpox (Varicella), ICD-10 code B01 -- 18
32. 2007 -- Chickenpox (Varicella), ICD-10 code B01 -- 14
33. 2008 -- Chickenpox (Varicella), ICD-10 code B01 -- 18
34. 2009 -- Chickenpox (Varicella), ICD-10 code B01 -- 22
35. 2010 -- Chickenpox (Varicella), ICD-10 code B01 -- 15
36. 2011 -- Chickenpox (Varicella), ICD-10 code B01 -- 14
37. 2012 -- Chickenpox (Varicella), ICD-10 code B01, especially >85 (7) -- 16
38. 2015 -- Chickenpox (Varicella), ICD-10 code B01, especially children -- 14
2016 -- Chickenpox (Varicella), ICD-10 code B01 -- 6
Disease -- **CHOLERA** -- By Mortality

1. 1849 -- Cholera, esp. OH (>7K); NY (>6K); Gold Rushers (~5K); Natives (~6K)\(^{305}\) >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\(^{306}\) --14,158-14,637
5. 1854 -- Cholera, esp. NYC/2.5K, St. Louis/1.5K, Chicago, Detroit, Boston --10,275-10,467
6. 1833 -- May-Aug (esp.), Cholera, esp. KY/≈2000, NOLA/1000, WV/OH/IN/TN/IL --6308-6,353
7. 1852 -- Cholera, esp. NY/1.3K, IL/1.2-1.3K, New Orleans/1K-1.3K, MO/≈1K --4,381-4,736
8. 1873 -- Feb-Sep, Cholera, esp. AL/AR/IL/IN/IA/KY/LA/MS/MO/OH/TN --4,539-4,599
9. 1851 -- June-Aug esp., Cholera, esp. St. Louis, IL, New Orl., Cincinnati, SD Sioux --3,314-3,322
10. 1855 -- May-Aug, Cholera, IL/KS/KY/MO/OH/WI, esp. New Orleans/883 --1,797-1,869
11. 1834 -- ~July-Nov, Cholera, esp. Baltimore, Cleveland, Detroit, Rochester; esp. NYC~1,693
12. 1872 -- Cholera, Philadelphia, PA --1,666
13. 1867 -- Jun-Dec, Cholera Epidemic, esp. New Orleans, St. Louis, TN, U.S. Army --1,536
14. 1848 -- Dec, Cholera, New Orleans, also MS Riv., Paducah KY, NYC, Port Lavaca TX --1,159
15. 1835 -- Apr-Aug, Cholera, esp. Madison, IN; KY, esp. Russellville; New Orleans, TN--590-601
16. 1853 -- Cholera, New Orleans, LA (554-585); Choctaw on Arkansas River, OK/14 --568-599
17. 1855 -- Cholera, Sep 05, aboard Steamship Sierra Nevada, leaving NY --95
18. 1895 -- Mid-Aug-Oct 3, Cholera Epidemic, Honolulu, HI --63-65
19. 1879 -- July-mid to early Aug, Cholera-like Epidemic, Center Point and Walker, IA --24-28

\(^{305}\) 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).

\(^{306}\) 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.
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) >45K-51,428
7. 1850 -- Cholera, esp. Sac. & SF, CA, IL, IN, KY, LA, MO, OH, TN, WI --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/10/MO/OH/WI, esp. New Orleans/883 --1,797-1,869
13. 1855 -- Sep 5, Cholera, aboard Steamship Sierra Nevada, leaving NY -- 95
14. 1866 -- May-Dec, Cholera, esp. Cincinnati/New Orleans/NYC/St. Louis/TN/Philly/Army ~16K-17,742
15. 1867 -- Jun-Dec, Cholera Epidemic, esp. New Orleans, St. Louis, TN, U.S. Army --1,536
16. 1872 -- Cholera, Philadelphia, PA --1,666
17. 1873 -- Feb-Sep, Cholera, esp. AL/AR/IL/IN/IA/KY/1A/MS/10/MO/OH/TN ~4,539-4,599
18. 1879 -- July-mid to early Aug, Cholera-like Epidemic, Center Point and Walker, IA --24-28
19. 1895 -- Mid-Aug-Oct 3, Cholera Epidemic, Honolulu, HI --63-65

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307 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).

308 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.
## 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. 1900 -- Croup (Upper airway viral infection), esp. PA/1064, TN/958, KY/768, GA/686--12,484
4. 1850 -- Croup (contagious upper airway viral infection), nationwide  10,706
5. 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
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### Diseases -- Diarrhoea and Gastroenteritis of Infectious Origin -- By Mortality

<table>
<thead>
<tr>
<th>Year</th>
<th>Diagnosis</th>
<th>Mortality Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1870</td>
<td>Diarrhoea (14,195) and Enteritis (9,046)</td>
<td>23,241</td>
</tr>
<tr>
<td>2009</td>
<td>Diarrhoea and Gastroenteritis of Infectious Origin (ICD-10 code A09)</td>
<td>2,756</td>
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<td>Diarrhoea &amp; Gastroenteritis of Infectious Origin (ICD-10 code A09), esp. NJ</td>
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<td>Diarrhoea and Gastroenteritis of Infectious Origin (ICD-10 code A09)</td>
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<td>2006</td>
<td>Diarrhoea/Gastroenteritis, Infectious Origin, esp. CA/20, PA/14 (above avg. death rate)</td>
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<td>Diarrhoea/Gastroenteritis, infectious origin, esp. CA/17, IL/11 (above avg. death rate)</td>
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<td>1999</td>
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<tr>
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<td>2000</td>
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<tr>
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</table>

### Diseases -- Diarrhoea and Gastroenteritis of Infectious Origin -- Chronologically

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168
Disease -- DIPHTHERIA – By Mortality

1. 1890 -- Diphtheria and Croup, especially IL, MA, NJ, NY                 --41,677
2. 1879 -- June-May 1880, Diphtheria, esp. Sep-Jan, esp. children, esp. PA, IL, NY, IA--38,143
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. 1920 -- Diphtheria & Croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885^309  --13,395
6. 1885 -- Diphtheria & Croup, localities in 16 states; esp. NY/4508, MI/1552, NJ/1496 10,788
7. 1907 -- Diphtheria and Croup, census registration area, esp. NY and PA (esp. Philly) 10,154
8. 1919 -- Diphtheria, 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ, NY, OH --9,160
9. 1925 -- Diphtheria, esp. NY/1,006, PA/973, IL/409, OH/392, MI/360, NJ/337 MA/334--8,058
10. 1870 -- Diphtheria, nationwide --6,303
11. 1931 -- The year, Diphtheria, especially children, especially AR, IL, KY and PA --5,738
12. 1735-1741 (esp. 1735-37), “Throat Distemper” (Diphtheria),^310 esp. CT/ME/MA/NH --5,000
13. 1887 -- Diphtheria, NYC, NY --4,509
14. 1893-94 -- Dec 24- Dec 22 -- Diphtheria, Brooklyn & NYC, NY --2,858
15. 1880 -- Diphtheria, esp. children, esp. NYC & Brooklyn; elsewhere NY --1,805-2,303
16. 1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec, Nationwide, esp. GA, IL, NC, TX, VA --1,997
17. 1914 -- Diphtheria and Croup, NYC, NY --1,489
18. 1913 -- Diphtheria and Croup, NYC, NY --1,333
19. 1891 -- Diphtheria and Croup, NYC, NY --1,281
20. 1915 -- Diphtheria and Croup, NYC, NY --1,278
21. 1912 -- Diphtheria and Croup, NYC, NY --1,125
22. 1879 -- Diphtheria, MN (955) and Hudson County, NJ (120)^311 --1,071
23. 1875 -- Croup and Diphtheria, MI (374) and Hudson County, NJ (533) -- 907
24. 1877 -- Diphtheria, Santa Cruz, CA; Hudson County, NJ -- 349
25. 1876 -- Diphtheria, Hudson County, NJ -- 327
26. 1751-52 -- “Throat Distemper” (Diphtheria), esp. Abington/Hingham/Weymouth, MA --240-290
27. 1878 -- Diphtheria, Hudson County, NJ -- 177
28. 1858 -- Diphtheria, April-Fall, Albany, NY -- 167
29. 1767-70-- Diphtheria epidemic (12% of population, mostly children), Oxford, MA --96-144
30. 1747 -- “Throat Distemper” (Diphtheria), MA (≥89) and Kensington, NH (48-52) --137-≥141
31. 1749-50 -- “Throat Distemper” (Diphtheria), MA, esp. Tewksbury (≥38) --≥106-112
32. 1895 -- Diphtheria, Jan-Jun, esp. Boston, Brooklyn, New York -- 99
33. 1742 -- Aug-Jan 1743 (esp.), “Throat Ail” (Diphtheria), Greenland & esp. Stratham, NH-- 97
34. 1753 -- “Throat Distemper (Diphtheria), Exeter, Stratham and Rye, NH -- ~72
35. 1795 -- “Throat Distemper” (Diphtheria), Royalston (66) and Rutland (5) MA -- 71
36. 1810-11 -- “Canker Rash” (Diphtheria or Scarlet Fever),^312 children, Winchendon, MA-- 59
37. 1754-55, Jan ‘54-July ‘55 -- “Throat Distemper” (Diphtheria), esp. children, Hampton NH-- 51

^309 Data from 34 Census Bureau Registration States and a number of cities ≥100,000 in non-registration states.
^310 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.
^311 There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.
^312 “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. Thus, we choose to cross-list this entry in both Diphtheria and Scarlet Fever, rather than once in “Other.”
38. 1883 -- Sep-Oct, Diphtheria, Orange County, NC -- 22
39. 1745 -- “Throat Distemper” (Diphtheria), Hampton and especially Kensington/16, NH-- 21
40. 1776 -- “Throat Ail” (Diphtheria?), especially children, Athol, MA -- 16
41. 1764 -- “Throat Distemper” (Diphtheria), especially children, Westminster, MA -- 15
42. 1756 -- Summer, Diphtheria epidemic, children, Saco, ME -- 14
43. 1755 -- Early Fall, Diphtheria, New Casco, ME -- 10
44. 1763 -- Winter, Throat Distemper Epidemic (Diphtheria), Philadelphia, PA -- >10
45. 1769 -- Throat Distemper (diphtheria), especially children, New York City, NY -- >10

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
1. 1735-1741 (esp. 1735-37), “Throat Distemper” (Diphtheria), esp. CT/ME/MA/NH --5,000
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28. 1887 -- Diphtheria, NYC, NY --4,509
29. 1890 -- Diphtheria and Croup, especially IL, MA, NJ, NY 41,677
30. 1893-94 -- Dec 24, 1893-Dec 22, 1894, Diphtheria, Brooklyn & NYC, NY --2,858

\[313\] 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.

\[314\] “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. Thus, we choose to cross-list this entry in both Diphtheria and Scarlet Fever, rather than once in “Other.”

\[315\] There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count.

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39. 1916 -- Diphtheria, especially children, nationwide, esp. PA, NY, MI >8,000-17,000
40. 1919 -- Diphtheria, 31 reporting states, DC & PR, esp. CT, DC, IL, MI, NJ, NY, OH --9,160

41. 1920 -- Diphtheria & Croup, esp. NY/1,931, PA/1,733, IL/1128, MI/885\(^{316}\) --13,395
42. 1925 -- Diphtheria, esp. NY/1,006, PA/973, IL/409, OH/392, MI/360, NJ/337 --8,058

43. 1931 -- The year, Diphtheria, especially children, especially AR, IL, KY and PA --5,738
44. 1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec, Nationwide, esp. GA, IL, NC, TX, VA --1,997

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\(^{316}\) Data from 34 Census Bureau Registration States and a number of cities ≥100,000 in non-registration states.
Disease -- DYSENTERY / SHIGELLOSIS -- By Mortality

1. 1850 -- Dysentery, esp. NY/3691, PA/2683, MA/2437, IN/1270, CT/965 --20,556
2. 1900 -- Dysentery, esp. NY/3691, PA/2683, OH/2568, MA/2437, IN/1270, CT/965 --20,556
3. 1870 -- Dysentery, esp. NY/1,068; PA/684; IL/664; MO/503; OH/461; MA/427 --7,912
4. 1864 -- Feb 24-Apr 17, 1865, Diarrhea & Dysentery, Union POW’s, Andersonville, GA-5,605
5. 1920 -- Dysentery, 33 registration states --3,574
6. 1863 -- Sep-June 1865, Diarrhea & Dysentery, Confederate POWs, Point Lookout MD --2,050
7. 1870 -- Dysentery, esp. NY/1,068; PA/684; IL/664; MO/503; OH/461; MA/427 --7,912
8. 1864 -- July to June 1865, Diarrhea and Dysentery, Confederate POWs. Elmira, NY --1,394
9. 1863 -- Aug-June 1865, Diarrhea & Dysentery, Confederate POWs, Fort Delaware, DE-- 644
10. 1863 -- Nov 23-Mar 27 1865 (16 mo.), Dysentery, Union POWs, Prison Hosp., Danville VA-- 592
11. 1775 -- Dysentery, DE, MD, NJ (>10), but primarily CT (>146) and MA (>326) -- >482
12. 1777 -- Dysentery, CT, NJ, PA, VT, and especially MA (>255) and NY (>100) -- >416
13. 1793 -- Dysentery, Coventry, CT, Caroline Co., MD, esp. Georgetown DC & vic. --Hundreds
14. 1863 -- June-June 1865 (25 mo.), Dysentery/diarrhea, Confederate POWs, Camp Morton, IN-- 315
15. 1794 -- Dysentery Epidemics, CT, esp. Waterbury (130) Woodbury (57), CT --252-262
16. 1862 -- Sep-June 1865 (34 months), Dysentery/diarrhea, Confederate POWs, Alton, IL-- 229
17. 1864 -- Feb-June 1865 (17 mo.), Dysentery/diarrhea, Confederate POWs, Camp Chase, OH-- 226
19. 1797 -- Sum-fall, Dysentery, esp. Nantucket Isl. (100), Westport, MA (30); Hanover NH (24)--163
20. 1795 -- Dysentery epidemics, esp. Branford/East Haven/New Haven, CT/96, Norwich VT/60--156
21. 1798 -- Sum-fall, Dysentery, VT, esp. Norwich/Pomfret/Salem/Sandgate, Shays’ Stlmt., VT>141
22. 1802 --Aug-Nov 2, Dysentery, esp. Greenfield & Shelburne MA (92), Bridport, VT (16)--137
23. 1796 -- Dysentery, VT, MA, esp. Sheffield/mill ponds area, MA & Worcester MA--139
24. 1751 -- Dysentery Epidemic, Canaan (~10), Hartford (64) and New Haven (45), CT -- ~19
25. 1800 -- Sum., Dysentery outbreak, esp. children, esp. Franestown & Hanover NH -- 103-113
26. 1778 -- Late Sum-Fall, Dysentery, esp. Dunstable, Lexington, Medford, Tewksbury, MA-111
27. 1769 -- Aug-Sep, Flux (Dysentery) and Fever Outbreak, esp. children, Boston, MA -- 108
28. 1803 -- Sum-fall, Dysentery, MA & VT, especially, Stowe and Stockbridge, VT (50) -- >82
29. 1745 -- Malignant Dysentery Epidemics, Shrewsbury, MA, esp. Stamford (one st.), CT -- 80
30. 1776 -- Dysentery Epidemics, NY (especially northern NY), MA and NJ -- 76
32. 1742 -- Aug-Summer 1743, Dysentery outbreak, East Haven (population ~500), CT -- 43-60
33. 1804 -- Summer-Fall (2 month period), Dysentery (especially children), Orwell, VT -- 60
34. 1676 -- Aug-Sep, Bloody Flux (Dysentery) Mass. Bay Colony, especially Boston -- 50
35. 1805 -- Sep-Oct (esp.), Dysentery, esp. Ashburnham/9, Beverly/24, Cambridge/9, MA-- 50
36. 1767 -- Late summer, Epidemic (Dysentery?), New York City, NY319 -- >30
37. 1799 -- Sum-Fall, Dysentery, especially children, Hanover and adjacent towns, NH -- 20-30
38. 1801 -- Oct (1st week), Dysentery (3-4 children a day), Salem, MA -- >10

317 “Diarrhoea and Dysentery.”
318 Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.
319 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 Boston\(^{320}\) -- 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


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


9. 1767 -- Late summer, Epidemic (Dysentery?), New York City, NY\(^{321}\) -- ≥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 -- Sum-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 (1\(^{st}\) 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. 1862 -- Feb-June 1865, Diarrhea & Dysentery, Confederate POWs, Camp Douglas, IL-- 698

29. 1862 -- Sep-June 1865 (34 months), Dysentery/diarrhea, Confederate POWs, Alton, IL-- 229

30. 1863 -- June-June 1865 (25 mo.), Dysentery/diarrhea, Confederate POWs, Camp Morton, IN-- 315

31. 1863 -- Aug-June 1865, Diarrhea & Dysentery, Confederate POWs, Fort Delaware, DE-- 644

32. 1863 -- Sep-June 1865, Diarrhea & Dysentery, Confederate POWs, Point Lookout MD-2,050

33. 1863 -- Nov 23-Mar 27 1865 (16 mo.), Dysentery,\(^{322}\) Union POWs, Prison Hosp., Danville VA-- 592

\(^{320}\) Fifty deaths in August (Increase Mather). Was also reported still deadly in September but we have no numbers.

\(^{321}\) Our number. Source notes “fifteen deaths were reported daily” during an epidemic (dysentery section of a paper).

\(^{322}\) “Diarrhoea and Dysentery.”
34. 1864 -- Feb-Jun 1865 (17 mo.), Dysentery/diarrhea, Confederate POWs, Camp Chase, OH -- 226
35. 1864 -- Feb 24-Apr 17, 1865, Diarrhea & Dysentery, Union POW’s, Andersonville, GA - 5,605
36. 1864 -- July to June 1865, Diarrhea and Dysentery, Confederate POWs. Elmira, NY -- 1,394

**Disease -- Dysentery/Shigellosis -- Chronological (cont.)**

37. 1870 -- Dysentery, esp. NY/1,068; PA/684; IL/664; MO/503; OH/461; MA/427 -- 7,912
38. 1900 -- Dysentery, esp. AL/861, TX/794, GA/781, NY/676, TN/663, SC/578 AR/541-11,710
39. 1920 -- Dysentery, 33 registration states -- 3,574
40. 1994 -- Shigellosis (infectious diarrhea / bacillary dysentery) ICD-9 code 004.0 -- 13
Disease -- German Measles (Rubella) -- By Mortality

1. 1977 -- German Measles (Rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1-- 17
2. 1978 -- German Measles (Rubella), ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI -- 10

Disease -- German Measles (Rubella) -- Chronological

1. 1977 -- German Measles (Rubella), MI/3, CA/IL/KY/VA/2 ea., AZ/FL/GA/NM/NY/WI/1-- 17
2. 1978 -- German Measles (Rubella), ICD 8 code 056; CA/FL/IL/IN/MO/OK/TN/WI -- 10
1. 1993 -- May esp., Hantavirus Pulmonary Syndrome, esp. Native Americans, NM/AZ --13-16
2. 2016 -- Hantavirus (cardio)-pulmonary Syndrome (HPS), ICD 10 Code B33.4 -- 10
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. 2009 -- Hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths) -- 26

1. 2009 -- Hepatitis A, ICD-10 code B15.0, US death rate 0.008 (no State over 9 deaths) -- 26
2. 2010 -- Viral Hepatitis, ICD-10 code B-15-19 (death rate 2.4 per 100K), esp. OK (4.9) --7,564
3. 2011 -- Viral Hepatitis, ICD-10 code B-15-19 (death rate 2.5 per 100K), esp. DC (7.1) --7,850
4. 2012 -- Viral Hepatitis, ICD-10 code B-15-B19, esp. NM/99, AZ/291, CA/1,387 --8,062
5. 2013 -- Viral Hepatitis, ICD-10 code B-15-B19, esp. OR/6.0 death rate, DC/5.9 --8,157
6. 2014 -- Viral Hepatitis, ICD-10 code B-15-B19, esp. DC, OR (5.3 death rate per 100,000) --8,081
7. 2015 -- Viral Hepatitis, ICD-10 code B15-B19, esp. DC (death rate 6.4 per 100,000) --7,461
8. 2016 -- Viral Hepatitis, ICD-10 code B15-B19, esp. DC (death rate 4.8 per 100K; US 2.0) --6,421
1. 2010 -- HIV/AIDS, U.S., nationally -- 15,525
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Death Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1918-19</td>
<td>Influenza and Pneumonia Epidemic in 1918 and 1919.</td>
<td>531,851-728,922</td>
</tr>
<tr>
<td></td>
<td>1918 -- Influenza and Pneumonia Epidemic in 1918.</td>
<td>430,000-543,482</td>
</tr>
<tr>
<td></td>
<td>1919 -- Influenza and Pneumonia Epidemic in 1919.</td>
<td>101,851-185,440</td>
</tr>
<tr>
<td>1920</td>
<td>Influenza and Pneumonia, nationwide in 1920.</td>
<td>141,609-220,798</td>
</tr>
<tr>
<td>1931</td>
<td>Influenza (31,701) and Pneumonia, all forms (96,974), especially PA in 1931.</td>
<td>128,675</td>
</tr>
<tr>
<td>1940</td>
<td>Influenza and Pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX in 1940.</td>
<td>92,525</td>
</tr>
<tr>
<td>2017-2018</td>
<td>Winter (March 2018 end) Influenza (primarily H3N2) in 2017-2018.</td>
<td>~80,000</td>
</tr>
<tr>
<td>1957-58</td>
<td>(esp. Fall-Spring), “Asian” Influenza (and Pneumonia), nationwide in 1957-1958.</td>
<td>~70,000</td>
</tr>
<tr>
<td>1917</td>
<td>Influenza and Pneumonia, nationwide in 1917.</td>
<td>115,526</td>
</tr>
<tr>
<td>1930</td>
<td>Influenza and Pneumonia, nationwide in 1930.</td>
<td>102,504</td>
</tr>
<tr>
<td>1939</td>
<td>Influenza (21,464) &amp; Pneumonia, esp. CA, IL, MI MO, NY, OH, PA, TX in 1939.</td>
<td>99,097</td>
</tr>
<tr>
<td>1940</td>
<td>Influenza and Pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX in 1940.</td>
<td>92,525</td>
</tr>
<tr>
<td>2017-2018</td>
<td>Winter (March 2018 end) Influenza (primarily H3N2) in 2017-2018.</td>
<td>~80,000</td>
</tr>
<tr>
<td>1957-58</td>
<td>(esp. Fall-Spring), “Asian” Influenza (and Pneumonia), nationwide in 1957-1958.</td>
<td>~70,000</td>
</tr>
<tr>
<td>1915, Dec-Jan 1916</td>
<td>Influenza &amp; Pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI in 1915, Dec-Jan 1916.</td>
<td>21,102</td>
</tr>
<tr>
<td>1890</td>
<td>Jan-Mar, Influenza (La Grippe/Russian Flu), esp. IL, Northeast in 1890.</td>
<td>16,124-17,626</td>
</tr>
<tr>
<td>1944</td>
<td>Influenza, especially Jan-Apr &amp; Dec, Nationwide, especially OH, PA, TX in 1944.</td>
<td>17,320</td>
</tr>
<tr>
<td>1900</td>
<td>Influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667 in 1900.</td>
<td>16,645</td>
</tr>
<tr>
<td>1891</td>
<td>Influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667 in 1891.</td>
<td>12,472</td>
</tr>
<tr>
<td>2009</td>
<td>April 12-April 10, 2010, H1N1 “Swine Flu” Pandemic (U.S.) in 2009-2010.</td>
<td>12,469</td>
</tr>
<tr>
<td>1914</td>
<td>The Year, Influenza and Pneumonia, NYC, NY in 1914.</td>
<td>10,500</td>
</tr>
<tr>
<td>1907</td>
<td>Influenza, Census “Registration” States and Localities in 1907.</td>
<td>10,066</td>
</tr>
<tr>
<td>1812</td>
<td>Oct-June 1813 (esp.), Peripneumony/Lung Fever (pneumonia), VT, esp. Burlington in 1812.</td>
<td>4350-6400</td>
</tr>
<tr>
<td>2015</td>
<td>Influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) in 2015.</td>
<td>16,124-17,626</td>
</tr>
<tr>
<td>2014</td>
<td>Influenza (ICD-10 codes J09, J10, J11), especially CA (457), TX (418) in 2014.</td>
<td>16,124-17,626</td>
</tr>
<tr>
<td>1870</td>
<td>Pneumonia, esp. AL, GA, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA in 1870.</td>
<td>40,012</td>
</tr>
<tr>
<td>1966</td>
<td>Influenza and Pneumonia, nationwide in 1966.</td>
<td>63,615</td>
</tr>
<tr>
<td>1928-29</td>
<td>Winter, Influenza and Pneumonia Epidemic in 1928-1929.</td>
<td>~50,000</td>
</tr>
<tr>
<td>1985</td>
<td>Influenza, death rate 0.86 per 100K, esp. NE/4.1, MT/2.8, IA/2.6, KS/2.4, WY/2.2 in 1985.</td>
<td>~2,054</td>
</tr>
<tr>
<td>1988</td>
<td>Influenza, death rate 0.80 per 100K, esp. NE/4.1, MT/2.8, IA/2.6, KS/2.4, WY/2.2 in 1988.</td>
<td>~2,054</td>
</tr>
<tr>
<td>1986</td>
<td>Influenza, death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84 in 1986.</td>
<td>~1,838</td>
</tr>
<tr>
<td>1980</td>
<td>Influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 in 1980.</td>
<td>~2,702</td>
</tr>
<tr>
<td>1900</td>
<td>June-Dec, Measles / Flu Epidemics, Native Alaskans, esp. western AK in 1900.</td>
<td>~2,000-2500</td>
</tr>
<tr>
<td>2009</td>
<td>Aug 30-Apr 3, 2010 -- Influenza (especially H1N1) Pandemic, nationwide in 2009.</td>
<td>~2,125</td>
</tr>
<tr>
<td>1990</td>
<td>Influenza, US death rate 0.84 per 100K; esp. NE/3.5; IA/3.1; ID/2.3; SD/2.3 in 1990.</td>
<td>~2,098</td>
</tr>
</tbody>
</table>

323 Technically, what became the flu epidemic of early 1890 began in late December 1889.
324 Cross-listed in Measles.
325 Laboratory-confirmed and reported to the CDC deaths; out of 41,914 cases. Includes 348 pediatric flu deaths.
39. 2005 -- Influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) -- 1,812
40. 2003 -- Influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) -- 1,792
41. 2008 -- Influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13) -- 1,772
42. 2000 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) -- 1,765
43. 1998 -- Influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) -- 1,742
44. 1999 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.597 per 100K; esp. SD/4.913 -- 1,665
45. 1989 -- Influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 -- 1,593
46. 1998 -- Influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) -- 1,557
47. 2011 -- Influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K) -- 1,532
48. 2004 -- Influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827) -- 1,100
49. 1984 -- Influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 -- 1,096
50. 1994 -- Influenza, ICD-9 code 470-474, US death rate 0.59 per 100K, esp. AL/1.98 -- 1,044
51. 1991 -- Influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54 -- 1,006
52. 2006 -- Influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605) -- 849
53. 1996 -- Influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616) -- 745
54. 1982 -- Influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34 -- 727
55. 2002 -- Influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. ME (1.827) -- 720
56. 1997 -- Influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99) -- 720
57. 2006 -- Influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605) -- 849
58. 1996 -- Influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616) -- 745
59. 1982 -- Influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34 -- 727
60. 2002 -- Influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. ME (1.827) -- 720
61. 1997 -- Influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99) -- 720
62. 1987 -- Influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632
63. 1995 -- Influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32 -- 606
64. 1979 -- Influenza, US death rate 0.27 per 100K, esp. ID/1.18, NE/1.15, KS/.98, WA/.85 -- 604
65. 1793 -- Influenza Epidemic, 5 counties, 4 weeks, VA -- 500
66. 2010 -- Influenza, ICD-10 codes J09-J11; US death rate 0.2 per 100K; esp. AK, KS (.4) -- 500
67. 2007 -- Influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33) -- 411
68. 1760, Wtr.-Spring 1761 -- Influenza Epidemic, esp. Natives, esp. CT, MA, ME, PA -- hundreds
69. 2001 -- Influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20) -- 257
70. 1711-12 -- Winter (within two months), “Malignant Distemper” (Influenza?), CT -- 250
71. 1647 -- Influenza, CT (~40-50) and MA (~40-50) Natives and other colonies (?) -- >100
72. 1697-98 -- ~Nov 1697--Feb 1698 (3 mo.), “mortal disease” (influenza?), Fairfield, CT-- 70
73. 1917 -- Dec 21, Pneumonia, NYC, NY -- 56
74. 1901 -- Grip (Influenza) Epidemic, Jan 1-12, St. Louis, MO -- 54
75. 1770-71 -- Winter, Influenza Epidemic “took scores of lives,” Philadelphia, PA -- >40
76. 1853 -- Pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
77. 1732 -- Oct, Influenza outbreak, New England, NY, Philadelphia/10, esp. Ipswich MA/17--36
326 The ICD-10 Code for Influenza and Pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).
78. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI

Placed in the “Influenza” sub-type in that both sources used thought this was outbreak was probably influenza.
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
5. 1760-61 -- Wtr.-Spring, Influenza Epidemic, esp. Natives, esp. CT, MA, ME, PA -- hundreds
6. 1764 -- Jan 20-30, “Nervous Pleuritic Disorder” (respiratory infection), Newport, RI^{328} -- 14
7. 1770-71 -- Winter, Influenza Epidemic “took scores of lives,” Philadelphia, PA -- ≥40
8. 1793 -- Influenza Epidemic, 5 counties, 4 weeks, VA -- 500
10. 1853 -- Pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA -- 40
11. 1870 -- Pneumonia, esp. AL, IL, IN, KY, MA, MO, NY, OH, PA, TN, TX, VA 40,012
12. 1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), esp. IL, Northeast^{329} 16,124-17,626
13. 1891 -- March-May, Influenza and Pneumonia Epidemic, esp. Chicago, IL & NY 12,472
14. 1893-94 -- (Dec 1893-Jan 1894), Epidemic Influenza, NY --2,200
15. 1900 -- Influenza, esp. MA/1130, TN/1019, PA/978, NC/799, AL/778, VA/754, GA/667--16,645
16. 1900 -- June-Dec, Measles / Flu Epidemics, Native Alaskans, esp. western AK^{330}--2000-2500
17. 1901 -- Jan 1-12, Grip (Influenza) Epidemic, St. Louis, MO -- 54
18. 1907 -- Influenza, Census “Registration” States and Localities ≥10,066
19. 1912 -- Mar 24-Jun 8, Pneumonia, Chicago, IL, NYC, NY --4,342
20. 1914 -- The Year, Influenza and Pneumonia, NYC, NY 10,500
21. 1915-16 - Dec-Jan 1916, Influenza & Pneumonia, LA, MD, NJ, NY, OH, PA, RI, WI 21,102
22. 1917 -- Influenza and pneumonia, Nationwide 115,526
23. 1917 -- Dec 21, Pneumonia, NYC, NY -- 56
24. 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
25. 1920 -- Influenza and Pneumonia (1918-1920 subset) 141,609-220,798
26. 1925 -- Influenza--esp. PA/2,068, OH/2,100, IL/1,558, IN/1,485, MO/1,464 30,538

^{328} Placed in the “Influenza” sub-type in that both sources used thought this was outbreak was probably influenza.
^{329} Technically, what became the flu epidemic of early 1890 began in late December 1889.
^{330} Cross-listed in Measles.
27. 1928-29 -- Winter, Influenza and Pneumonia Epidemic ~50,000

Disease -- INFLUENZA, Pneumonia, Grip -- Chronological (continued)

28. 1930 -- Influenza and Pneumonia, nationwide 102,504
29. 1931 -- Influenza (31,701) and Pneumonia, all forms (96,974), especially PA 128,675
30. 1939 -- Influenza (21,464) & Pneumonia, esp. CA, IL, MI MO, NY, OH, PA, TX 99,097

31. 1940 -- Influenza and Pneumonia, esp. CA, IL, MO, NY, OH, PA, TN, TX 92,525
32. 1944 -- Influenza, especially Jan-Apr & Dec, Nationwide, especially OH, PA, TX 17,320

33. 1957-58 -- (especially Fall-Spring) “Asian” Influenza (and Pneumonia) Epidemic ~70,000

34. 1966 -- Jan-Dec, Influenza and Pneumonia, nationwide 63,615
35. 1968-69 (Sep-March), A2 “Hong Kong” Influenza (and Pneumonia) Epidemic 33,800

36. 1977 -- Influenza, ICD-8 codes 470-474, US death rate 0.59 per 100K, esp. AL/1.98 --1,304
37. 1978 -- Influenza, ICD-8 codes 470-474, US death rate 1.8 per 100K, esp. ME/5.0, KS/4.7--4,052
38. 1979 -- Influenza, US death rate 0.27 per 100K, esp. ID/1.18, NE/1.15, KS/.98, WA/.85 -- 604

39. 1980 -- Influenza, US death rate 1.19 per 100K, esp. ND/4.3, MA/3.4, ME/3.3, MT/3 --2,702
40. 1981 -- Influenza, US death rate 1.31 per 100K, esp. SD/4.2, IA/3.5, UT/3.3, VT/3.3--3,006
41. 1982 -- Influenza, US death rate 0.31 per 100K, esp. NE/1.78, SD/1.74, ND/1.34 -- 727
42. 1983 -- Influenza, US death rate 0.61 per 100K, esp. ME/3.9, MT/3.2, MN/2.7 --1,431
43. 1984 -- Influenza, US death rate 0.46 per 100K, esp. MT, 2.3, OR/1.7, WA/1.4, AR/1.3 --1,096
44. 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
45. 1986 -- Influenza, US death rate 0.76 per 100K, esp. VT/3.9 ME/3.59 MN/3.2 ND/2.84331 --1,838
46. 1987 -- Influenza, death rate 0.26 per 100K; esp. NE/1.02 (16), SD/1.29 (9), VE/1.11 (6) -- 632
47. 1988 -- Influenza, US death rate 0.79 per 100K; esp. ID/3.7, IA/2.5, MT/2.6, SD/3.3 --1,943
48. 1989 -- Influenza, US death rate 0.64 per 100K; esp. IA/2.38, MT/2.1, ND/2.17, OR/2.0 --1,593

49. 1990 -- Influenza, US death rate 0.84 per 100K; esp. NE/3.5; IA/3.1; ID/2.3; SD/2.3 --2,098
50. 1991 -- Influenza, US death rate 0.45 per 100K; esp. NE/2.38, ND/1.73, IA/1.54 --1,137
51. 1992 -- Influenza, US death rate 0.39 per 100K; esp. ME/1.94; MT/1.21; WV/1.27 --1,006
52. 1993 -- Influenza, US death rate 0.40 per 100K; esp. ID 2.62; VE 2.42; MT 1.54; OR 1.37 --1,044
53. 1994 -- Influenza, US death rate 0.47 per 100K; esp. SD/2.6; MT/1.7; IA/ 1.5; NE/1.22 --1,229
54. 1995 -- Influenza, ICD-9 code 487.0; US death rate 0.23 per 100K; esp. WV, 1.32 -- 606
55. 1996 -- Influenza, ICD-9 code 487; US death rate 0.276 per 100K; esp. SD (1.616) -- 745
56. 1997 -- Influenza, ICD-9 code 487.0; US death rate 0.26 per 100K; esp. KS (0.99) -- 720
57. 1998 -- Influenza, ICD-9 code 487.0; US death rate 0.62 per 100K; esp. MT (6.72) --1,724
58. 1999 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.597 per 100K; esp. SD/4.913 --1,665

59. 2000 -- Influenza, ICD-10 codes J09-11.8; US death rate 0.63 per 100K; esp. SD (3.05) --1,765
60. 2001 -- Influenza, ICD-10 codes J09-11; US death rate 0.09 per 100K; esp. WI (0.20) -- 257
61. 2002 -- Influenza, ICD-10 codes J09-11; US death rate 0.253 per 100K; esp. SD (2.237) -- 727

331 Deaths due to influenza and pneumonia in 1986 (ICD-9 codes 480-487), were 69,812; 29.05 per 100K death rate.

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62. 2003 -- Influenza, ICD-10 codes J09-11; US death rate 0.618 per 100K; esp. ND (2.661) --1,792
63. 2004 -- Influenza, ICD-10 codes J09-11; US death rate 0.376 per 100K; esp. ME (1.827) --1,100
64. 2005 -- Influenza, ICD-10 codes J09-11; US death rate 0.613 per 100K; esp. SD (4.513) --1,812
65. 2006 -- Influenza, ICD-10 codes J09-11; US death rate 0.285 per 100K; esp. VE (1.605) -- 849
66. 2007 -- Influenza, ICD-10 codes J09-11; US death rate 0.14 per 100K; esp. IA (0.33) -- 411
67. 2008 -- Influenza, ICD-10 codes J09-11; US death rate 0.57 per 100K; esp. SD (2.13) --1,772
68. 2009 -- Influenza (avian), ICD-10 code J09 (US death rate 0.5 per 100K) esp. MT (1.3) --1,557

Disease -- INFLUENZA, Pneumonia, Grip -- Chronological (continued)

69. 2009-10 -- April 12-April 10, 2010, H1N1 “Swine Flu” Pandemic (U.S.) 12,469
70. 2010 -- Influenza, ICD-10 codes J09-J11; US death rate 0.2 per 100K; esp. AK, KS (4) -- 500
71. 2011 -- Influenza, ICD-10 codes J09-11 (US death rate 0.5), esp. SD (2.3 per 100K) --1,532
72. 2012 -- Influenza, ICD-10 codes J09-11; US death rate 0.4; SD, 2.5 per 100K --1,106
73. 2013 -- Influenza, ICD-10 codes J09-11, esp. SD (3.6) MT (3.5) ME (3.2) death rates --3,697
74. 2014 -- Influenza (ICD-10 codes J09, J10, J11), especially CA (457), TX (418) --4,605
75. 2015 -- Influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --5,251
76. 2016 -- Influenza (ICD-10 codes J09, J10.0, J10.1, J10.8, J11.0, J11.1, J11.8) --2,905
77. 2017-2018 -- Winter (March 2018 end) Influenza (primarily H3N2) ~80,000

332 The ICD-10 Code for Influenza and Pneumonia (J09-J18), for 2010, shows 50,097 deaths (death rate of 16.2).
186

Disease -- LEGIONNAIRES' – By Mortality

2. 2015 -- July-mid Aug, Legionnaires’ Disease, South Bronx, New York City, NY – 12

Disease -- LEGIONNAIRES’ – Chronological

2. 2015 -- July-mid Aug, Legionnaires’ Disease, South Bronx, New York City, NY – 12
Disease -- MALARIA -- By Mortality

1. 1879 -- June-May 1880, “Malarial Fever,” esp. AL, AR, GA, IL, MS and MO 20,231
2. 1900 -- Malarial Fever, esp. AR,1,730, TX/1,351, LA/1,030, AL/1,005, GA/1,001 14,874
3. 1930 -- Malaria, nationwide, esp. AL, FL, GA, LA, MS, OK, SC, TN, TX --3,572
4. 1920 -- Malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183333 --3,136
5. 1931 -- Malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN --2,536
7. 1939 -- Malaria, U.S., esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX --1,761
8. 1940 -- Malaria, nationwide, especially AL, AR, GA, MS, SC and TX --1,442
9. 1833 -- Malaria Epidemic, ConCow Maidu Villages, Butte County, CA vicinity -- ~800
10. 1862 -- Feb-Jun 1865 (41 mo.), malarial fevers,334 Confederate POWs, Camp Douglas IL-- 233

11. 1864 -- Feb 24-Aug 3, Malarial FEVERS,335 Union POWs, Ft. Sumter, Andersonville GA-- 149
12. 1863 -- Malaria (probably), Maidu Natives, Pence’s Ranch, Butte County, CA336 -- 30
13. 1985 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000 -- 13
14. 1993 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.005 per 100,000 -- 12
15. 2002 -- Malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths -- 12
16. 1989 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000 -- 11
17. 2010 -- Malaria, ICD-10 codes B50-B54, no State had at least 10 deaths -- 10
18. 2013 -- Malaria, ICD-10 Codes B50-B54 -- 10

2001 -- Malaria, ICD-10 codes B50-B54, death rate 0.003 per 100,000 -- 9
1978 -- Malaria, CA (1), FL (1), NY, (1), NC (1), PA (1) -- 5
1976 -- Malaria, AZ (1), CA (1), NY (1), WI (1) -- 4
1977 -- Malaria, CA (1), MD (1), WA (1) -- 3

333 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.
334 Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).
335 Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).
1. 1833 -- Malaria Epidemic, ConCow Maidu Villages, Butte County, CA vicinity -- ~800

2. 1862 -- Feb-Jun 1865 (41 mo.), malarial fevers. Confederate POWs, Camp Douglas IL-- 233

3. 1863 -- Malaria (probably), Maidu Natives, Pence’s Ranch, Butte County, CA -- 30

4. 1864 -- Feb 24-Aug 3, Malarial Fevers, Union POWs, Ft. Sumter, Andersonville GA-- 149

5. 1879 -- June-May 1880, “Malarial Fever,” esp. AL, AR, GA, IL, MS and MO -- 20,231

6. 1900 -- Malarial Fever, esp. AR/1,730, TX/1,331, LA/1,030, AL/1,005, GA/1,001 -- 14,874

7. 1920 -- Malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183 -- 3,136


9. 1930 -- Malaria, nationwide, esp. AL, AR, FL, GA, LA, MS, OK, SC, TN, TX -- 3,572

10. 1931 -- Malaria, esp. AL, AR, FL, GA, LA, MS, MO, SC, TN -- 2,536

11. 1939 -- Malaria, esp. May-Nov, especially AL, AR, FL, GA, LA, MS, SC, TX -- 1,761

12. 1940 -- Malaria, especially AL, AR, GA, MS, SC and TX -- 1,442

   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

13. 1985 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.01 per 100,000 -- 13

14. 1989 -- Malaria, ICD-9 codes 084.0-084.9, death rate 0.004 per 100,000 -- 11

15. 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
   16. 2002 -- Malaria, ICD-10 code B50-54, death rate 0.004 per 100K; all States <10 deaths -- 12
   17. 2010 -- Malaria, ICD-10 codes B50-B54, no State had at least 10 deaths -- 10

18. 2013 -- Malaria, ICD-10 Codes B50-B54 -- 10

---

337 Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).
339 Categorized as intermittent (lets-up but then comes back) and remittent (fluctuating body temperatures).
340 Based on death certificate data from 34 “registration states” as well as 17 cities 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.
1. 1900 -- Measles, esp. TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 & TN/974 --12,866
2. 1659 -- Measles Epidemic, Native Americans, FL --10,000
3. 1848 -- Sep-early ‘49, Measles/Whooping Cough/Dysentery/Influenza Epidemics, HI--10,000
4. 1870 -- Measles, nationwide, especially children --9,237
5. 1880 -- Measles, nationwide, especially GA, IL, IN, KS and MO --8,254
6. 1920 -- Measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496 --7,712
7. 1906 -- Measles, nationwide, especially children --5,087
8. 1921 -- Measles, nationwide, especially children --4,667
9. 1907 -- Measles, Census “Registration” States and localities, especially children --4,302
10. 1860 -- Measles, nationwide, especially NY, OH, MO and PA, esp. children 3,809-3,900
11. 1931 -- Measles, especially children, especially IL and PA --3,576
12. 1896 -- Measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT --3,178
13. 1850 -- Measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163 --2,988
14. 1900 -- Jun-Dec, Measles / Flu Epidemics, Native Alaskans, esp. western AK --2000-2500
15. 1925 -- Measles, 40 Registration states, esp. PA/503, MA/349, NY/323, IL/217, NJ/124 --2,404
16. 1941 -- Measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133) --2,279
17. 1944 -- Measles, especially Jan-June, Nationwide, especially CA, GA, OH, PA, TX --1,923
18. 1943 -- Measles, especially children --1,301
19. 1772 -- Measles Epidemics, Charleston, SC (800-900), Philadelphia, PA (180) --980-1,080
20. 1912 -- Measles, NYC, NY -- 671
21. 1911 -- Measles, NYC, NY -- 659
22. 1915 -- Measles, NYC, NY -- 630
23. 1950 -- Measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25) -- 468
24. 1836-37 -- Measles, New York City, NY -- 443
25. 1913 -- Measles, NYC, NY and Pittsburgh, PA -- 423
26. 1960 -- Measles, especially children -- 380
27. 1914 -- Measles, NYC, NY -- 367
28. 1945 -- Measles, especially children -- 307
29. 1847 -- Measles Epidemic, Fall, Cayuse Indians, Southwestern WA -- >200
30. 1872 -- Measles Epidemic, Philadelphia, PA -- 143
31. 1713 -- Oct-1714, Measles Epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA) -- >109
32. 1990 -- Measles Resurgence (largest loss of life since 1971), esp. young children -- 79-108
33. 1758-59 -- Measles Epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA) -- >100
34. 1888 -- Measles Epidemic, Omaha Nation, Nebraska Territory -- 87
35. 1747 -- Measles Epidemic, Philadelphia, PA (cases noted also in CT, NH, NY, SC) -- 84
36. 1874 -- Measles Epidemic, Omaha Nation, Nebraska Territory -- 76
37. 1989 -- Measles, CDC reports 17,850 cases in 47 States and DC --45-62
38. 1889 -- Measles Epidemic, Omaha Nation, Nebraska -- 50
39. 1991 -- Jan-Dec, Measles resurgence, especially CA (8); NY (15); and PA (9) -- 38

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, 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.
342 Cross-listed in Influenza.
Fewer than ten deaths:

715 -- Measles, Jan-April, New London, CT
1979 -- Measles, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each)
1983 -- Measles/Rubella (German Measles) CA/1, FL/1, KS/1, MI/1, MN/1, NM/1, NC/1
1981 -- Measles, US death rate 0.003 per 100K; CA/FL/IN/MA/WA (1 each), OH/2
1982 -- Measles, US death rate 0.003 per 100K; AZ, KY, MI, MS, NH, NY
1985 -- Measles (ICD-9, 055), AZ (1); IL (1); ME (1); MA (1); MO (1, ICD-9, 056)
1986 -- Measles, ICD-9, 055; LA/1, MS/1; ICD-9 056 (Rubella/German measles) TX/1
1988 -- Measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1
1987 -- Measles, Bristol and Middlesex counties, MA (boy, 5-9 and man, 55-64)
1984 -- Measles (ICD-9, 055), KY (1) Male, 35-44 (CDC WONDER)
1996 -- Year, Measles
2003 -- Year, Measles
2015 -- Year, Measles, Clallam County, WA
1993 -- Year, Measles
1994 -- Year, Measles
1995 -- Year, Measles
1997 -- Year, Measles
1998 -- Year, Measles
1999 -- Year, Measles
2000 -- Year, Measles
2001 -- Year, Measles
2002 -- Year, Measles
2004 -- Year, Measles
2005 -- Year, Measles
2006 -- Year, Measles
2007 -- Year, Measles
2008 -- Year, Measles
2009 -- Year, Measles
2010 -- Year, Measles
2011 -- Year, Measles
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2013 -- Year, Measles
2014 -- Year, Measles
2015 -- Measles and Rubella (German Measles)
2016 -- Measles and Rubella (German Measles)
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<td>Measles Epidemic, Native Americans, FL</td>
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<td>1713</td>
<td>Oct-1714, Measles Epidemic, Boston (100) MA (also CT, RI, NY, NJ, NH, PA)-- &gt;109</td>
<td>MA (also CT, RI, NY, NJ, NH, PA)</td>
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<td>1747</td>
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<td>PA (cases also in MA ME NJ SC VA)</td>
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<td>1758-59</td>
<td>Measles Epidemic, Philadelphia, PA (cases also in MA ME NJ SC VA)</td>
<td>PA (cases also in MA ME NJ SC VA)</td>
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<td>1759</td>
<td>Measles (“many…in a short space of time; not a house exempt…”), Fairfield NJ</td>
<td>NJ</td>
<td>&gt;100</td>
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<td>1772</td>
<td>Measles Epidemics, Charleston, SC (800-900), Philadelphia, PA (180)</td>
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<td>1836-37</td>
<td>Measles, New York City, NY</td>
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<td>Measles, especially NY/505, OH/363, PA/316, VA/222, MO/189, IN/163</td>
<td>NY/505, OH/363, PA/316, VA/222, MO/189, IN/163</td>
<td>2,988</td>
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<td>1860</td>
<td>Measles, especially NY, OH, MO and PA</td>
<td>NY, OH, MO and PA</td>
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<td>1870</td>
<td>Measles, nationwide, especially children</td>
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<td>9,237</td>
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<td>1872</td>
<td>Measles Epidemic, especially children, Philadelphia, PA</td>
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<td>1874</td>
<td>Measles Epidemic, Omaha Nation, Nebraska Territory</td>
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<td>1880</td>
<td>Measles, nationwide, especially GA, IL, IN, KS and MO</td>
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<td>1888</td>
<td>Measles Epidemic, Omaha Nation, Nebraska Territory</td>
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<td>1889</td>
<td>Measles Epidemic, Omaha Nation, Nebraska</td>
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<td>1896</td>
<td>Measles, esp. NYC/714, Brooklyn/333, Philadelphia/191, Cincinnati/100, CT</td>
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<td>1900</td>
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<td>TX/1,412, AR/1,274, NY/1,174, MS/950, PA/815 &amp; TN/974</td>
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<td>1900</td>
<td>June-Dec, Measles / Flu Epidemics, Native Alaskans, esp. western AK</td>
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<td>1906</td>
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<td>1920</td>
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<td>34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496</td>
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<td>1921</td>
<td>Measles, especially children, nationwide</td>
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<td>1925</td>
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<td>1931</td>
<td>Measles, especially children, especially IL and PA</td>
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<td>1941</td>
<td>Measles, esp. children, esp. VA (170), GA (160), KY (158), SC (138), TN (133)</td>
<td>VA (170), GA (160), KY (158), SC (138), TN (133)</td>
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<td>1943</td>
<td>Measles, especially children</td>
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<td>1944</td>
<td>Measles, especially Jan-June, nationwide, especially CA, GA, OH, PA, TX</td>
<td>Nationwide, especially CA, GA, OH, PA, TX</td>
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<tr>
<td>1945</td>
<td>Measles, especially children</td>
<td>Nationwide</td>
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*Cross-listed in Influenza.*

*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.*
37. 1950 -- Measles, esp. children, esp. MS (34), KY (30), MI (28), OH (27), NJ (26), TN (25) -- 468

38. 1960 -- Measles, especially children -- 380

**Measles vaccine becomes available in 1963**

39. 1977 -- Measles (Rubeola), CA/TX/2, CT/FL/GA/IN/MO/NJ/NC/OR/TN/VA/WI/1 -- 15
40. 1978 -- Measles (Rubeola), ICD-8 code 055; GA/2, IN/2, IA/MI/NJ/NY/OH/TX/VA -- 11
   1979 -- Measles, ICD-9 codes 055-056; IL, KS, LA, ME, NJ, PA, TX (1 each) -- 7

41. 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
42. 1989 -- Measles, CDC reports 17,850 cases in 47 States and DC --45-62

43. 1990 -- Measles Resurgence (largest loss of life since 1971), esp. young children --79-108
44. 1991 -- Jan-Dec, Measles resurgence, especially CA (8); NY (15); and PA (9) -- 38
45. 1992 -- Year, Measles, especially young children -- 3-11
   1993 -- Year, Measles -- 0
   1994 -- Year, Measles -- 0
   1995 -- Year, Measles -- 0
   1996 -- Year, Measles -- 1
   1997 -- Year, Measles -- 0
   1998 -- Year, Measles -- 0
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2000 -- Year, Measles -- 0
2001 -- Year, Measles -- 0
2002 -- Year, Measles -- 0
2003 -- Year, Measles -- 1
2004 -- Year, Measles -- 0
2005 -- Year, Measles -- 0
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<td>2014</td>
<td>Year, Measles</td>
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<td>2015</td>
<td>Year, Measles, Clallam County, WA</td>
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<tr>
<td>2016</td>
<td>Year, Measles and Rubella (German Measles)</td>
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</tr>
</tbody>
</table>
Disease -- MENINGITIS (Cerebrospinal; Meningococcal; Spotted Fever)\textsuperscript{345} – 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. 1904-05 -- Cerebrospinal Meningitis Epidemic, New York City, NY  -- --2,594-3,428
4. 1931 -- “Epidemic Cerebrospinal Meningitis,”\textsuperscript{346} U.S., esp. IL, NY and PA  -- --2,832
5. 1944 -- Cerebrospinal Meningitis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA  -- --2,812
7. 1872 -- Cerebral Spinal Meningitis, MA (esp. Boston), NYC, PA (esp. Philly)  -- --1,090
8. 1864 -- Cerebral Spinal Meningitis Epidemic, Carbondale & Philadelphia, PA  -- --784
9. 1911 -- Oct-June 8, 1912, Cerebrospinal Meningitis Epidemic, esp. TX, OK, MO  -- --740
10. 1873 -- Cerebral Spinal Meningitis, Boston & Lowell MA, Philadelphia, PA  -- --499

11. 1893 -- Cerebrospinal Meningitis Epidemic, New York City, NY  -- --469
12. 1881 -- Cerebrospinal Meningitis Epidemic, New York City, NY  -- --461
13. 1812 -- Feb-Apr, Spotted Fever/Meningitis, esp. Acworth & Antrim NH; Pomfret & Reading VT--265-325
14. 1811 -- “Spotted Fever” (Meningitis), NH (>10) & VT, esp. Woodstock (60-70), VT-103-108
15. 1984 -- Meningococcal Meningitis, ICD-9 code 036.0, esp. CA and NY (8 each)  -- --95
16. 1997 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA/12  -- --89
17. 1985 -- Meningococcal Meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5  -- --88
18. 1986 -- Meningococcal Meningitis, ICD-9 code 036.0, esp. CA (13), NY (10)  -- --88
19. 1899 -- Meningococcal Meningitis, ICD-9 code 036.0, especially CA/20, NY/13  -- --88
20. 1988 -- Meningococcal Meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13 -- --87
21. 1994 -- Meningococcal Meningitis, US death rate 0.03 per 100K; esp. CA/14, TX/12 -- --84
22. 1995 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03  -- --82
23. 1996 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03  -- --82
24. 1998 -- Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13)  -- --73
25. 1990 -- Meningococcal Meningitis, ICD-9 code 036.0, especially CA, 13 deaths  -- --72
26. 2000 -- Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.025; esp. CA (15) -- --71
27. 1889 -- Jan-Feb, Cerebrospinal Meningitis Epidemic, Webster County, KY  --50-70
28. 1993 -- Meningococcal Meningitis, US death rate 0.03 per 100K; esp. CA (10)  -- --70
29. 1999 -- Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10)  -- --67
30. 1987 -- Meningococcal Meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13 -- --64
31. 1992 -- Meningococcal Meningitis, US death rate 0.02 per 100K  -- --61
32. 2001 -- Meningococcal Meningitis, ICD-10 code A39.0; no state over 9 deaths  -- --61
33. 1991 -- Meningococcal Meningitis, US death rate 0.02 per 100K, CA 0.03/10 deaths  -- --59
34. 2002 -- Meningococcal Meningitis, ICD-10 code A39.0; no state over 9 deaths  -- --53
35. 2003 -- Meningococcal Meningitis, ICD-10 code A39.0, CA only state over 9 deaths  -- --49
36. 2004 -- Meningococcal Meningitis, ICD-10 code A39.0 (all states below 10 deaths)  -- --38
37. 2006 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths)  -- --32
38. 2008 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths)  -- --31
39. 2009 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths)  -- --28
40. 2005 -- Meningococcal Meningitis, ICD-10 code A39.0 (all states below 10 deaths)  -- --27
41. 2011 -- Meningococcal Meningitis, ICD 10 Code A39.0 (no state 10 or more deaths)  -- --26

\textsuperscript{345} Also includes Meningococcal Meningitis.

\textsuperscript{346} “Epidemic Cerebrospinal Meningitis,” is the name used for this malady in U.S. Census, Mortality Statistics 1931.
42. 2007 -- Meningococcal Meningitis, ICD-10 Code A39.0 (all states below 10 deaths) -- 24
43. 2010 -- Meningococcal Meningitis, ICD 10 Code A39.0 -- 14
44. 2015 -- Meningococcal Meningitis, ICD 10 Code A39.0 (no state with ≥10 deaths) -- 12
45. 2012 -- Meningococcal Meningitis, ICD 10 Code A39.0 -- 11
46. 2014 -- Meningococcal Meningitis, ICD 10 Code A39.0 (no state with ≥10 deaths) -- 10

2013 -- Meningococcal Meningitis, ICD 10 Code A39.0 -- 9
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<tr>
<th>Year</th>
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<th>Location</th>
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<td>1811</td>
<td>“Spotted Fever” (Meningitis), NH (≥10) &amp; VT, esp. Woodstock (60-70), VT-103-108</td>
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<td>1812</td>
<td>Feb-Apr, Spotted Fever/Meningitis, esp. Acworth &amp; Antrim NH; Pomfret &amp; Reading VT--265-325</td>
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<tr>
<td>1864</td>
<td>Cerebral Spinal Meningitis Epidemic, Carbondale &amp; Philadelphia, PA</td>
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<td>1872</td>
<td>Cerebral Spinal Meningitis, MA (esp. Boston), NYC, PA (esp. Philly)</td>
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<td>1873</td>
<td>Cerebral Spinal Meningitis, Boston &amp; Lowell MA, Philadelphia, PA</td>
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<td>1879</td>
<td>June-May 1880, Meningitis, nationwide, esp. KY, NY, PA, MO and TN</td>
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<td>1881</td>
<td>Cerebrospinal Meningitis Epidemic, New York City, NY</td>
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<td>1889</td>
<td>Jan-Feb, Cerebro-spinal Meningitis Epidemic, Webster County, KY</td>
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<td>1893</td>
<td>Cerebrospinal Meningitis Epidemic, New York City, NY</td>
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<td>1900</td>
<td>Meningitis, esp. NY/2602, PA/1613, IL/1318, MA/1206, OH/1189, NJ/909</td>
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<td>1904-05</td>
<td>Cerebrospinal Meningitis Epidemic, New York City</td>
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<td>Oct-June 8, 1912, Meningitis Epidemic, esp. TX, OK, MO</td>
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<td>1925</td>
<td>Meningococcus meningitis, esp. NY/148, PA/79, IL/56, OH/53, MA/51</td>
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<td>“Epidemic Cerebrospinal Meningitis,” U.S., especially IL, NY and PA</td>
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<td>Cerebrospinal Meningitis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA</td>
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<td>Meningococcal Meningitis, ICD-9 code 036.0, esp. CA and NY (8 each)</td>
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<td>Meningococcal Meningitis, especially TX (9), NY (8), CA (7), NJ/5, PA/5</td>
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<td>Meningococcal Meningitis, ICD-9 code 036.0, esp. CA (13), NY (10)</td>
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<td>1987</td>
<td>Meningococcal Meningitis, ICD-9 code 036.0, death rate 0.03 per 100K, esp. CA/13</td>
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<td>1988</td>
<td>Meningococcal Meningitis, ICD-9 code 036.0/death rate 0.04 per 100K, esp. CA/13</td>
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<td>Meningococcal Meningitis, ICD-9 code 036.0, especially CA/20, NY/13</td>
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<td>Meningococcal Meningitis, ICD-9 code 036.0, especially CA, 10 deaths</td>
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<td>1994</td>
<td>Meningococcal Meningitis, ICD-9 code 036.0, especially CA/14, TX/12</td>
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<td>1995</td>
<td>Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03</td>
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<td>1998</td>
<td>Meningococcal Meningitis, ICD-9 code 036.0; death rate 0.03; esp. CA (13)</td>
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<tr>
<td>1999</td>
<td>Meningococcal Meningitis, ICD-10 code A39.0; death rate 0.024; esp. CA (10)</td>
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</table>

347 “Epidemic Cerebrospinal Meningitis,” is the name used for this malady in U.S. Census, *Mortality Statistics 1931.*
<table>
<thead>
<tr>
<th>Year</th>
<th>Disease Description</th>
<th>Additional Information</th>
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<tbody>
<tr>
<td>2000</td>
<td>Meningococcal Meningitis, ICD-10 code A39.0</td>
<td>death rate 0.025; esp. CA (15)</td>
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<td>2001</td>
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<td>2003</td>
<td>Meningococcal Meningitis, ICD-10 code A39.0, CA only state over 9 deaths</td>
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<td>2004</td>
<td>Meningococcal Meningitis, ICD-10 code A39.0 (all states below 10 deaths)</td>
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<td>2015</td>
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</table>
Disease -- MUMPS -- By Mortality

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 -- MUMPS -- Chronological

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 -- **Bubonic Plague** “Epidemic,” San Francisco, CA -- 78
3. 1899 -- Dec 11-March 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
5. 1980 -- Plague (All forms/5, Bubonic/2), New Mexico (3), CA (1), NV (1) -- 5

Disease – PLAGUE – Chronological

1. 1899 -- Dec 11-March 31, 1900 -- **Bubonic** (Black) Plague (Asian ship), Honolulu, HI-- 61
2. 1900-04 -- **Bubonic Plague** “Epidemic,” May-Feb, San Francisco, CA -- 113
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   1980 -- Plague (All forms/5, Bubonic/2), New Mexico (3), CA (1), NV (1) -- 5
Diseases -- **PNEUMONIA and Pleurisy** -- **By Mortality**

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

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
### Disease -- POLIO (Poliomyelitis) – By Mortality

<table>
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<th>Year</th>
<th>Month(s)</th>
<th>Location(s)</th>
<th>Mortality</th>
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</thead>
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<tr>
<td>1916</td>
<td>July-Sep</td>
<td>NYC/NY (3,331), NJ (1,180), PA (414)</td>
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<td>1917</td>
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<td>Census registration area (27 States, some cities)</td>
<td>&gt;1,182</td>
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<tr>
<td>Year</td>
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<td>------------------------------------------------------------------------------</td>
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<tr>
<td>1911</td>
<td>Polio (Acute), nationwide, esp. IL, IN, IA, MA, MN, NY, PA, WI</td>
<td>440</td>
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<tr>
<td>1913</td>
<td>Polio (Acute), especially June-Sep (Sep peak), especially children</td>
<td>426</td>
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<tr>
<td>1914</td>
<td>Polio (Acute), the year, especially Summer-Fall, especially children, nation</td>
<td>413-434</td>
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<tr>
<td>1915</td>
<td>Polio (Acute), the year, especially Summer and Fall, especially children</td>
<td>305-311</td>
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<tr>
<td>1909</td>
<td>Polio (Acute), IN, KS, MN, MT, ND, OR, especially MA and NE</td>
<td>266</td>
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<tr>
<td>1958</td>
<td>Polio (Acute), especially late Summer and Fall, especially children</td>
<td>255</td>
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<td>1960</td>
<td>Polio (Acute), especially late Summer and Fall, especially children</td>
<td>230</td>
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<td>1957</td>
<td>Polio (Acute), especially late Summer and Fall, especially children</td>
<td>221</td>
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<tr>
<td>1918</td>
<td>Jun-Nov, Polio Outbreak, IA, IL, IN, MN, PA, WI, esp. Staten Island, NY</td>
<td>~180</td>
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<td>1907</td>
<td>Summer-Autumn (Sep peak), Polio Epidemic, NY, esp. greater NYC</td>
<td>100-125</td>
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<td>1977</td>
<td>Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K</td>
<td>100</td>
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<tr>
<td>1978</td>
<td>Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K</td>
<td>95</td>
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<tr>
<td>1961</td>
<td>Polio (Acute), especially late Summer and Fall, especially children</td>
<td>90</td>
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<tr>
<td>1976</td>
<td>Polio (Acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6</td>
<td>90</td>
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<tr>
<td>1908</td>
<td>Summer-Fall, Polio outbreak, IA, MA, MI, MN (13), VA, esp. WI (61)</td>
<td>87</td>
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<tr>
<td>1962</td>
<td>Polio (Acute), especially children</td>
<td>60</td>
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<tr>
<td>1963</td>
<td>Polio (Acute), especially children</td>
<td>41</td>
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<tr>
<td>1894</td>
<td>Polio Epidemic, VE, especially Rutland &amp; Wallingford</td>
<td>18</td>
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<tr>
<td>1979</td>
<td>Polio, CA (2), CT (1), MA (1)</td>
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<tr>
<td>1980</td>
<td>Polio, DE (1), NY (2), OH (2), PA (1)</td>
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</table>
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), IN, KS, MN, MT, ND, OR, especially MA and NE -- 266
5. 1910 -- Polio (Acute), esp. Summer-Fall, especially IA, MA, MN, NY, PA 1,459-1,655
6. 1911 -- Polio (Acute), nationwide, esp. IL, IN, IA, MA, MN, NY, PA, WI -- 440
7. 1912 -- Polio, especially Summer to Fall, especially children, especially CA (129) -- 518
8. 1913 -- Polio (Acute), especially June-Sep (Sep peak), especially children -- 426
9. 1914 -- Polio (Acute), especially Summer-Fall, especially children 413-434
10. 1915 -- Polio (Acute), especially Summer and Fall, especially children 305-311
11. 1916 -- July-Sep esp. Polio, esp. NYC/NY (3,331), NJ (1,180), PA (414) 6,745->7,000
12. 1917 -- Polio (Acute), esp. Jun-Sep, Census registration area (27 States, some cities) 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 -- 828
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 -- Jan-Dec, 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 -- Polio (Acute), especially July-Nov, esp. IL, MN and TX --1,845
42. 1947 -- Polio (Acute), the year, especially late Summer and Fall, nationwide -- 580
43. 1948 -- Polio (Acute), especially CA, MN, NC, OH, SD, TX and WI --1,895

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<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1950</td>
<td>Polio, esp. July-Nov (1,611 deaths), esp. CA, IL, MI, NY, OH, PA, TX --1,904</td>
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<td>1951</td>
<td>Polio (Acute), especially July-Nov, especially CA, IL, TX --1,551-1,555</td>
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<td>1952</td>
<td>Polio Epidemic, nationwide, esp. upper Midwest --3,000-3,300</td>
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<tr>
<td>1953</td>
<td>Polio (Acute), especially CA, IL, MI, and NY --1,450</td>
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<tr>
<td>1954</td>
<td>Polio (Acute), especially late Summer and Fall, especially children --1,368</td>
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<td>1955</td>
<td>Polio (Acute), most States, especially, Boston, MA (~200) --1,043</td>
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<td>1956</td>
<td>Polio (Acute), especially late Summer and Fall, especially children -- 566</td>
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<td>1957</td>
<td>Polio (Acute), especially late Summer and Fall, especially children -- 221</td>
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<td>1958</td>
<td>Polio (Acute), especially late Summer and Fall, especially children -- 255</td>
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<td>1959</td>
<td>Polio (Acute), especially late Summer and Fall, especially children -- 454</td>
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<td>1960</td>
<td>Polio (Acute), especially late Summer and Fall, especially children -- 230</td>
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<td>1961</td>
<td>Polio (Acute), especially late Summer and Fall, especially children -- 90</td>
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<tr>
<td>1962</td>
<td>Polio (Acute), especially children -- 60</td>
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<td>1963</td>
<td>Polio (Acute), especially children -- 41</td>
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<td>1976</td>
<td>Polio (Acute poliomyelitis, ICD-8 codes 040-045), especially CA/11, MI/6 -- 90</td>
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<tr>
<td>1977</td>
<td>Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.05 per 100K -- 100</td>
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<tr>
<td>1978</td>
<td>Polio (Acute poliomyelitis, ICD-8 codes 040-045), US death rate 0.04 per 100K -- 95</td>
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<tr>
<td>1979</td>
<td>Polio, CA (2), CT (1), MA (1) -- 4</td>
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<td>1980</td>
<td>Polio, DE (1), NY (2), OH (2), PA (1) -- 6</td>
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**Disease -- SCARLET FEVER -- By Mortality**

1. 1860 -- Scarlatina (Scarlet Fever), 38 Census “Registration” States and DC
2. 1870 -- Scarlet Fever, especially children, especially IL, MO, NY, PA, WI
3. 1880 -- Scarlet Fever, especially children, nationwide, especially IN, NY and PA
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. 1907 -- Scarlet Fever, especially children, Census “Registration” States and localities
7. 1920 -- Scarlet Fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE
8. 1925 -- Scarlet Fever, esp. PA/343, IL/279, OH/252, MI/216, NY/191, MO/169
9. 1931 -- Scarlet Fever, especially children, especially IL
10. 1871 -- Scarlet Fever, especially children, Baltimore, MD (625), and MI (696)
11. 1874 -- Scarlet Fever, especially children, MI (440) and Cincinnati, OH (687)
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
14. 1911 -- Scarlet Fever, especially children, NYC, NY
15. 1912 -- Scarlet Fever, especially children, NYC, NY
16. 1873 -- Scarlet Fever, especially children, MI
17. 1872 -- Scarlet Fever, especially children, MI
18. 1875 -- Scarlet Fever, esp. children, Michigan (423) and Hudson County, NJ (114)
19. 1913 -- Scarlet Fever, especially children, NYC, NY
20. 1836 -- Scarlet Fever, especially children, Boston, New York City, Philadelphia
21. 1914 -- Scarlet Fever, especially children, NYC, NY
22. 1878 -- Scarlet Fever, Hudson County, NJ (113); Fall, Cincinnati, OH (181)
23. 1915 -- Scarlet Fever, especially children, NYC, NY
24. 1869 -- Scarlet Fever, especially children, MI
25. 1879 -- Scarlet Fever epidemic, especially children, Hudson County, NJ
26. 1882 -- Jan 1-26, Scarlet Fever epidemic, especially children, NY, NJ
27. 1877 -- Scarlet Fever, especially children, Hudson County, NJ
28. 1876 -- Scarlet Fever, especially children, Hudson County, NJ
29. 1894 -- Scarlet Fever, Jan 20-Jun 16, esp. children, Brooklyn & New York City, NY
30. 1906 -- Scarlet Fever, Week of Dec 21, especially children, Chicago, IL
31. 1735 -- Aug-July, 1736 -- Scarlet Fever Outbreak, Boston, MA
32. 1794 -- Scarlet Fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT-- 100-114
33. 1848 -- Scarlet Fever, especially children, Mobile, AL
34. 1810-11 -- “Canker Rash” (Diphtheria or Scarlet Fever), children, Winchendon, MA-- 59
35. 1849 -- Scarlet Fever, especially children, Mobile, AL
36. 1795 -- Scarlet Fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11-- ≥39
37. 1804 -- Scarlet Fever (“Canker Rash”), Reading, Windsor County, VT (15), NYC (14)-- 29

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348 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.

349 “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. Thus, we choose to cross-list this entry in both Diphtheria and Scarlet Fever, rather than once in “Other.”
38. 1793 -- Scarlet Fever, New England (esp. CT), New Jersey, New York, Philadelphia  --  ≥25

Disease -- SCARLET FEVER -- By Mortality

39. 1832 -- June 16-22, Scarlet Fever, Binghamton, NYC, Oneonta, Yonkers  --  17
40. 1854 -- Late March through early April (esp.) Scarlet Fever outbreak, Jacksonville, FL  --  ≤12
41. 1771 -- May-July, Scarlet Fever (especially children), Duxbury, MA  --  ≥10

1978 -- Scarlet Fever, ICD-8 code 034.1; CA (1), NY (1), TX (2)  --  4
1976 -- Scarlet Fever, ICD-8 code 034.1; FL (1), NY (1)  --  2
1. 1735 -- Aug-July, 1736 -- Scarlet Fever Outbreak, Boston, MA        --100-114
2. 1771 -- May-July, Scarlet Fever (especially children), Duxbury, MA                --  ≥10
3. 1793 -- Scarlet Fever, New England (esp. CT), New Jersey, New York, Philadelphia --  ≥25
4. 1794 -- Scarlet Fever, Bolton, Lebanon, East Haven, etc., and esp. New Haven (52) CT--  ≥76
5. 1795 -- Scarlett Fever, at least 16 MA towns, esp. Beverly/19, Sterling/8, Topsfield/11--  ≥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), 350 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-- ≤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, especially children, Baltimore, MD (625), and MI (696) --1,321
20. 1872 -- Scarlet Fever, especially children, MI                              -- 565
21. 1873 -- Scarlet Fever, especially children, MI                              -- 580
22. 1874 -- Scarlet Fever, especially children, MI (440) and Cincinnati, OH (687) --1,127
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

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350 “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. Thus, we choose to cross-list this entry in both Diphtheria and Scarlet Fever, rather than once in “Other.”
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\(^{351}\) -- 4,004
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

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

\(^{351}\) 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 -- SCURVY

#### 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. 1917 -- Scurvy, New York City (15) and elsewhere state of NY (4) -- 19

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
1977 -- Scurvy/ascorbic acid deficiency, MD, NY, PA, 1 each -- 3

#### 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
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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

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

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352 Severe vitamin C deficiency which can lead to death. GARD (Genetic and Rare Diseases Information Center), National Institutes of Health, U.S. Dept. of Health & Human Services, includes scurvy as a disease and shows a table which “lists symptoms that people with this disease may have.”
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 Americans\(^{353}\) 2,000-10,000
6. 1861 -- May 1-June 30, 1866, Smallpox, Union soldiers and Confederate prisoners\(^{354}\) --9,682
7. 1853 -- Smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC --7,450-9,450
8. 1872 -- Smallpox, Boston, Cincinnati, IL, NY, Philly, St. Louis --8,957
9. 1900 -- Smallpox, esp. MS/782, LA/278, VA/263, AL/224, AR/195, TX/146-8,484
10. 1882 -- Smallpox, esp. Chicago, Cincinnati, PA, Baltimore, NOLA, TN; elsewhere --6,992
11. 1881 -- Smallpox, esp. Philly, Pittsburgh, Chicago, NYC, Richmond; also DE, HI, NJ, etc. --5,165
12. 1870 -- Smallpox, Nationwide --4,597
14. 1815-16, Winter -- Smallpox Epidemic, Comanche Nation\(^{355}\) --4,000
15. 1883 -- Smallpox, esp. New Orleans/1,079 Baltimore/633 Cincinnati/189 Chattanooga/103 --3,136
16. 1875 -- Smallpox, esp. New York City (1,899), Cincinnati (745), Philadelphia (54) --2,699
17. 1865 -- Smallpox, esp. NYC/≤664, Philly/524, SC/GA/FL Sea Islands/~800\(^{356}\) --2,500-2,510
18. 1863 -- Smallpox, esp. DC/700, Camp Chase OH, Fort Delaware DE, Baltimore/IL/PA-2.3K--2,490
19. 1850 -- Smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140--2,352
20. 1634-35--Smallpox Epidemic, Five Nations, especially Mohawks, Upper NY\(^{357}\) ≥2,000
21. 1709/10--Smallpox Epidemic, Native Americans, lower CA ≥2,000
22. 1764-65 -- Smallpox, esp. Iroquois, Shawnee, Lenape, Creek, Choctaw, Chickasaw >1,800
23. 1689-90--Smallpox, New England and NY, settlers and natives --≥820-1,500
24. 1801-02--Smallpox, Native Americans, esp. Omaha, esp. Midwest, Northwest --1,500
25. 1894 -- Jan-Dec 17 Smallpox, Chicago, DC, IL, IN, MI (esp. Detroit), NY, PA, WI --1,397
26. 1880 -- Smallpox, CA, CT, DC, IL, LA, MA, NJ, NM, NY, especially Philly & TX --1,284
27. 1860 -- Smallpox, esp. MA/473, NY/ 303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271
28. 1873 -- Smallpox, esp. Chicago (515) and Baltimore (631); also Cincinnati (48) --1,194
30. 1633-34--Smallpox Epidemic, New England Natives, Plymouth Colonists, MA >1,000
31. 1663 -- Smallpox, Fort Orange, NY and Northern “NY” Native American Tribes --1,000
32. 1677-78 -- Smallpox Epidemic, Massachusetts Bay Colony, esp. Boston & vic. --750-1,000
33. 1731 -- Smallpox Epidemics, New York City (548-700) and Philadelphia (288) --836-988

\(^{353}\) 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 guestimate (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.”

\(^{354}\) There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.

\(^{355}\) 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.

\(^{356}\) This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.

\(^{357}\) We assume that if, as reported, thousands died, then at least 2,000 must have died.
34. 1868 -- June-Dec, Smallpox, esp. Chicago, Cincinnati, Milwaukee, San Francisco -- 960
35. 1760 -- Smallpox Epidemic, Charleston SC (as well as undocumented Native deaths)-730-940
36. 1876 -- Smallpox, Cincinnati, OH -- 934
37. 1756 -- Smallpox Epidemic, Philadelphia -- 900

**Disease -- SMALLPOX -- By Mortality (Cont.)**

38. 1869 -- Smallpox Epidemic, Gros Ventre Natives, Montana Territory --700--800
39. 1861 -- Smallpox Outbreak, Philadelphia, PA -- 758
40. 1824 -- Smallpox, NYC, NY, Philadelphia, PA, Sandusky, OH --740-745
41. 1864 -- Smallpox, Fort Alton IL, Chicago/283, Philly/260, Northern VA/112, SC, DC-- -- 712
42. 1925 -- Smallpox, esp. MN/196, WI/134, CA/59, NJ/48, OH/47, IA/42, PA/29, IL/23 -- -- 709
43. 1759 -- Smallpox Epidemic, Philadelphia, PA -- 600
44. 1851 -- Smallpox, NYC, NY --562-586
45. 1752 -- Early in year through at least Summer, Small-Pox Epidemic, Boston, MA --535-569
46. 1920 -- Smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28 --535
47. 1730 -- Smallpox Epidemic, Massachusetts Bay Colony, especially Boston --502
48. 1890 -- Spring-Fall, Smallpox, Iroquois Native Americans, esp. upper New York --300-500
49. 1876 -- May 19-July 1, 1877, Smallpox Epidemic, San Francisco, CA -- 482
50. 1834 -- Smallpox, New York City, NY and Philadelphia, PA -- 428
51. 1852 -- Smallpox Outbreak, Philadelphia, PA -- 427
52. 1910 -- Smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67) --403-415
53. 1773 -- Smallpox Epidemic, Philadelphia (300), Marblehead (~3) & Salem (17), MA --321
54. 1702 -- Summer (late) to early Spring 1703, Smallpox Epidemic, Boston, MA --302-313
55. 1738 -- Smallpox Epidemic, Charleston, SC -- 311
56. 1912 -- Smallpox, 35 States and DC, especially TX (128); Pittsburgh (33) --301-307
57. 1667 -- Smallpox Epidemic, Native Americans, VA, especially eastern shore VA --200
58. 1697-98--Smallpox, Charleston, SC (pop. ≥5,000); (plus hundreds Native Americans) --200-300
59. 1759-60--Smallpox Epidemic, Catawba Nation, SC --300
60. 1896 -- Smallpox, esp. New Orleans (238), Shreveport LA/11, Detroit/11, Dayton (8) -- --279
61. 1869 -- Smallpox, Cincinnati, OH (231), Michigan (42) -- 273
62. 1811 -- Oct-Apr 1812, Smallpox, New York City (117); Baltimore, MD (135) -- 252
63. 1742 -- Smallpox Outbreak in New York, NY -- 250
64. 1898 -- Smallpox Epidemic, Moqui Indians, AZ -- 220
65. 1808 -- Year, Smallpox, Philadelphia, PA, New York City, NY -- 207
66. 1804 -- Smallpox Outbreak, New York City, NY --164-199
67. 1816 -- Smallpox, New York City, NY -- --179
68. 1763, Dec-July 1764 -- Smallpox Epidemic, Boston (170) & Cambridge (6), MA col. -- --176
69. 1898 -- Aug 23-Nov 18, Yellow Fever, LA, especially New Orleans (57); MS (80) --175
70. 1823 -- Smallpox, Epidemic, Philadelphia, PA -- 160
71. 1895 -- Smallpox Outbreak, Feb 1-Jun 21 esp. Hot Springs AR, Chicago, Cincinnati -- 160

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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, 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.

359 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.
72. 1736 -- Smallpox Epidemic, Philadelphia, PA
73. 1847 -- Smallpox, Modoc Native Americans, Southwestern Oregon
74. 1879 -- Smallpox, San Antonio, TX; also to lesser extent NYC, NY

**Disease -- SMALLPOX -- By Mortality (continued):**

75. 1911 -- Smallpox, 29 reporting States and the District of Columbia
76. 1909 -- Smallpox, 29 reporting States and the District of Columbia
77. 1867 -- Smallpox, Jan-Dec., Chicago, IL
78. 1732 -- Smallpox, esp. Cheshire CT (~18) and Albany (68) & Kingston (22), NY -- 104-118
79. 1763 -- Smallpox Epidemic, Native Americans, CA -- >100
80. 1852 -- Smallpox outbreak, Native Americans, Nevada City vicinity, CA -- ~100
81. 1871 -- May 1-Dec, Smallpox, Newark, Essex County, NJ -- ~96
82. 1871 -- Smallpox, New York City, NY -- ~94
83. 1800 -- July-Oct Smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA\(^\text{360}\) -- 68
84. 1805 -- Smallpox, New York City, NY -- 62
85. 1807 -- Smallpox, New York City, NY (29 out of 2,312 deaths), Philadelphia (32) -- 61
86. 1768 -- Fall-Winter (two months), Smallpox, especially children, Reading, PA -- >60
87. 1871 -- Smallpox Outbreak, Nov-Dec, Chicago, IL -- 60
88. 1877 -- Smallpox, Cincinnati, OH -- 56
89. 1666 -- Smallpox, (Population of colony about 4,000), Boston, MA -- 40-50
90. 1806 -- Smallpox, New York City, NY (out of 2,225 deaths from all causes in NYC) -- 48
91. 1821 -- Aug, Smallpox, Baltimore, MD -- 47
92. 1917 -- Oct 10-March 8, 1918, Smallpox Epidemic, Eagle Pass, Maverick Co., TX -- 33
93. 1739 -- June-July 19, Smallpox, Newport and nearby vicinity, RI -- 23-27
94. 1732 -- Spring, Smallpox Epidemic, Wallingford/New Cheshire, New Haven Co., CT -- 14-18
95. 1893 -- Smallpox Outbreak, Feb-Dec, Reading, Berks County, PA -- 18
96. 1854 -- Late March through early April (esp.) Smallpox epidemic, Jacksonville, FL -- >15
97. 1737, Dec-Jan 1738 -- Smallpox, esp. Chilmark & Edgartown, Martha’s Vineyard, MA -- 12
98. 1711-12 -- Winter, Disease (smallpox/pestilential fever/pleurisies/flux), Charleston SC -- >10

\(^{360}\) 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 NY ³⁶¹ ≥2,000
3. 1663 -- Smallpox, Fort Orange, NY and Northern “NY” Native American Tribes --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)³⁶²-200-300
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
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 col. -- 176

³⁶¹ We assume that if, as reported, thousands died, then at least 2,000 must have died.
³⁶² 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 MA363-- 68
36. 1801-02 -- Smallpox, Native Americans, esp. Omaha, esp. Midwest, Northwest ---1,500
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
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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 Nation364 -->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 and Philadelphia, PA -- 428
50. 1835 -- Nov-Spring 1838, Smallpox, Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK 13,105
51. 1837 -- Smallpox, California Native Americans365 2,000-10,000
52. 1837-38--Smallpox, Upper Mid-West Native American Tribes ~20,000

53. 1847 -- Smallpox, Modoc Native Americans, Southwestern Oregon -- >150

54. 1850 -- Smallpox, esp. OH/551, NY/276, MA/232, PA/208, KY/150, MD/144, IN/140--2,352
55. 1851 -- Smallpox, NYC, NY --562-586
56. 1852 -- Smallpox outbreak, Native Americans, Nevada City vicinity, CA -- ~100
57. 1852 -- Smallpox outbreak, Philadelphia, PA -- 427
58. 1853 -- Smallpox, esp. natives, HI, Nevada City vic., CA, OR/WA; also NYC --7,450-9,450
59. 1854 -- Late March through early April (esp.) Smallpox epidemic, Jacksonville, FL -- >15

60. 1860 -- Smallpox, esp. MA/473, NY/ 303, OH/135, PA/87, ME/56, VA/24 --1,263-1,271

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363 Cross-listed in Tainted Food, Drugs and Medications.
364 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.
365 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 guestimate (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.”
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<th>Year</th>
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<td>1861</td>
<td>Smallpox Outbreak, Philadelphia, PA</td>
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<td>Smallpox, Union soldiers and Confederate prisoners</td>
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<tr>
<td>1881</td>
<td>Smallpox, esp. Philly, Pittsburgh, Chicago, NYC, Richmond; also DE, HI, NJ, etc.</td>
<td>~5,165</td>
</tr>
<tr>
<td>1882</td>
<td>Smallpox, esp. Chicago, Cincinnati, PA, Baltimore, NOLA, TN; elsewhere</td>
<td>~6,992</td>
</tr>
<tr>
<td>1883</td>
<td>Smallpox, esp. New Orleans/1,079 Baltimore/633 Cincinnati/189 Chattanooga/103</td>
<td>~3,136</td>
</tr>
<tr>
<td>1893</td>
<td>Smallpox Outbreak, Feb-Dec, Reading, Berks County, PA</td>
<td>18</td>
</tr>
<tr>
<td>1894</td>
<td>Jan-Dec 17 Smallpox, Chicago, DC, IL, IN, MI (esp. Detroit), NY, PA, WI</td>
<td>~1,397</td>
</tr>
<tr>
<td>1895</td>
<td>Smallpox Outbreak, Feb 1-Jun 21 esp. Hot Springs AR, Chicago, Cincinnati</td>
<td>160</td>
</tr>
<tr>
<td>1896</td>
<td>Smallpox, esp. New Orleans (238), Shreveport LA/11, Detroit/11, Dayton (8)</td>
<td>~279</td>
</tr>
<tr>
<td>1898</td>
<td>Smallpox Epidemic, Moqui Indians, AZ</td>
<td>220</td>
</tr>
<tr>
<td>1898</td>
<td>Aug 23-Nov 18, Yellow Fever, LA, especially New Orleans (57); MS (80)</td>
<td>~175</td>
</tr>
<tr>
<td>1900</td>
<td>Smallpox, esp. MS/782, LA/708, NM/287, VA/263, AL/224, AR/195, TX/146-8,484</td>
<td></td>
</tr>
<tr>
<td>1909</td>
<td>Smallpox, 29 reporting States and the District of Columbia</td>
<td>132</td>
</tr>
<tr>
<td>1910</td>
<td>Smallpox, 23 reporting States and DC, esp. MI (121), OK (99), TX (67)</td>
<td>~403-415</td>
</tr>
<tr>
<td>1911</td>
<td>Smallpox, 29 reporting States and the District of Columbia</td>
<td>134</td>
</tr>
<tr>
<td>1912</td>
<td>Smallpox, 35 States and DC, especially TX (128); Pittsburgh (33)</td>
<td>~301-307</td>
</tr>
<tr>
<td>1917</td>
<td>Oct 10-March 8, 1918, Smallpox Epidemic, Eagle Pass, Maverick Co., TX</td>
<td>33</td>
</tr>
</tbody>
</table>

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366 There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.
367 This does not take into account hundreds of smallpox fatalities in military ranks and especially military prisons.
97. 1920 -- Smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28 368 -- 508

98. 1925 -- Smallpox, esp. MN/196, WI/134, CA/59, NJ/48, OH/47, IA/42, PA/29, IL/23 -- 709

368 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 -- 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
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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
1. 1900 -- Tuberculosis, esp. CA, IL, KY, MA, MO, NJ, NY, OH, PA, TN 109,750
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. CA, IL, NY, OH, PA 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. 1940 -- Tuberculosis, nationwide, especially CA, IL, NY, OH, PA and TX 55,576
10. 1944 -- Tuberculosis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX 54,731
11. 1860 -- Tuberculosis (Consumption), nationwide 49,082
12. 1850 -- Tuberculosis (consumption), esp. NY/6,691, PA/3,520, MA/3,426, OH/2,558 33,516
13. 1912 -- Jan 1-Jun 8, Tuberculosis, CA, IL, IN, MA, MO, NJ, NYC, PA, TX, WI --3,742
14. 1911 -- Aug-Dec, Tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX --10,926
15. 1906 -- Tuberculosis, Philadelphia, PA --3,496
16. 1909 -- Tuberculosis, Philadelphia, PA --3,496
17. 1908 -- Tuberculosis, Philadelphia, PA --3,490
18. 1905 -- Tuberculosis, Philadelphia, PA --3,365
19. 1910 -- Tuberculosis, Philadelphia, PA --3,190
20. 1976 -- Tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6 --3,130
21. 1977 -- Tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2 --2,968
22. 1978 -- Tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914
23. 1979 -- Tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
24. 1980 -- Tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74 --1,978
25. 1989 -- Tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34 --1,970
26. 1981 -- Tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43 --1,937
27. 1988 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48 --1,921
28. 1990 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48 --1,810
29. 1982 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4 --1,807
30. 1986 -- Tuberculosis, US death rate 0.74 per 100K, esp. DC/1.72, DE/1.43, NY/1.34 --1,782
31. 1983 -- Tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2 --1,779
32. 1987 -- Tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755
33. 1985 -- Tuberculosis, US death rate 0.74 per 100K, esp. DC/3.46, GA/1.34, AL/1.23 --1,752
34. 1984 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729
35. 1991 -- Tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32, NY/1.62; AR/1.17 --1,713
36. 1992 -- Tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33 --1,705
37. 1993 -- Tuberculosis (US death rate 0.63 per 100K), esp. DC/2.51 and NY/1.16 --1,631
38. 1875 -- Consumption (Tuberculosis), leading cause of death in State for year, MI --1,479
39. 1994 -- Tuberculosis, ICD-9 code 010-018, death rate 0.56 per 100K, esp. DC, 1.86 --1,478
40. 1995 -- Tuberculosis, ICD-9 code 010-018, death rate 0.5 per 100K, esp. DC, 1.89 --1,336
41. 1996 -- Tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92 --1,202
42. 1997 -- Tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99 --1,166
43. 1998 -- Tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 --1,112

Disease -- TUBERCULOSIS -- By Mortality
44. 1999 -- Tuberculosis, ICD-10 code A16-19, death rate 0.333 per 100K, esp. NM, 0.608 -- 930
45. 2002 -- Tuberculosis, ICD-10 code A16-19, death rate 0.273 per 100K, esp. AR, 0.443-- 784
46. 2000 -- Tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559 -- 776
47. 2001 -- Tuberculosis, ICD-10 code A16-19, death rate 0.268 per 100K, esp. DC, 1.741 -- 764
48. 2003 -- Tuberculosis, ICD-10 code A16-19, death rate 0.25 per 100K, esp. LA, 0.49 -- 711
49. 2004 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36 -- 657
50. 2006 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33 -- 652
51. 2005 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. LA, 0.39 -- 648
52. 2008 -- Tuberculosis, ICD-10 code A16-19, death rate 0.19; esp. MS (above avg. rate) -- 585
53. 2010 -- Tuberculosis, ICD-10 Code A16-19, esp. AL, CA, KY, TX (above avg. death rate) -- 569
54. 2013 -- Tuberculosis, ICD-10 Code A16-A19, especially CA (133) and TX (61) -- 555
55. 2007 -- Tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate -- 554
56. 2011 -- Tuberculosis, ICD-10 Code A16-A19, esp. CA (108), NY, SC (above avg. DR) -- 539
57. 2009 -- Tuberculosis, ICD-10 code A16-19, esp. CA, LA, OK, TX (above avg. death rate) -- 529
58. 2016 -- Tuberculosis, ICD-10 Codes A16-A19, esp. CA/111, TX/55, FL/36, OK/14 -- 528
59. 2012 -- Tuberculosis, ICD-10 Code A16-A19, especially CA (101) and TX (63) -- 510
60. 1804 -- Tuberculosis, “Phthisis Pulmonalis,” New York City (2,125 deaths all causes) -- 499
61. 2014 -- Tuberculosis, ICD-10 Code A16-A19, especially CA (101) -- 493
62. 2015 -- Tuberculosis, ICD-10 Codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22 -- 470
63. 1805 -- Tuberculosis (Phthisis Pulmonalis), New York City (2,344 deaths all causes) -- 462
64. 1806 -- Tuberculosis (Phthisis Pulmonalis), New York City (2,225 deaths all causes) -- 354
65. 1951 -- Tuberculosis, Colorado -- 200
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. 1870 -- Tuberculosis (Consumption), nationwide 69,896
7. 1875 -- Tuberculosis (Consumption) leading cause of death in State for year, MI 1,479
8. 1879 -- June-May 1880, Tuberculosis, esp., NY, PA, OH, IL, IN, TN, KY, MA 91,270
9. 1900 -- Tuberculosis, esp. CA, IL, IN, KY, MA, MO, NJ, NY, OH, PA, TN 109,750
10. 1905 -- Tuberculosis, Philadelphia, PA 3,365
11. 1906 -- Tuberculosis, Philadelphia, PA 3,742
12. 1907 -- Tuberculosis, esp. CA/Chicago, IN/MA/NY (esp. NYC)/PA (esp. Philly) 76,650
13. 1908 -- Tuberculosis, Philadelphia, PA 3,490
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16. 1911 -- Aug-Dec, Tuberculosis, NYC, NY, IL, CA, IN, MA, NJ, PA, TX 10,926
17. 1912 -- Jan 1-Jun 8, Tuberculosis, CA, IL, IN, MA, MO, NJ, NYC, PA, TX, WI 17,463
19. 1925 -- Tuberculosis, esp. NY/10,282, PA/7,300, CA/5,934, IL/5,537, OH/4,819 89,268
20. 1931 -- Tuberculosis, esp. CA, IL, NY, OH, PA 81,395
21. 1939 -- Tuberculosis, nationwide, esp. CA, IL, NY, OH, PA, TN, TX 61,609
22. 1940 -- Tuberculosis, nationwide, especially CA, IL, NY, OH, PA and TX 55,576
23. 1944 -- Tuberculosis, nationwide, esp. CA, IL, MI, NJ, NY, OH, PA, TN, TX 54,731
24. 1951 -- Tuberculosis, Colorado -- 200
25. 1976 -- Tuberculosis, US death rate 1.44 per 100K, esp. DC/4.0, NM/2.8, AL/2.6 --3,130
26. 1977 -- Tuberculosis, US death rate 1.35 per 100K, esp. DC/4.24, TN/2.8, KY/2.2 --2,968
27. 1978 -- Tuberculosis, ICD-8 codes 010-019, esp. NY/283, CA/217, PA/185, IL/165 --2,914
28. 1979 -- Tuberculosis, US death rate 0.89 per 100K, esp. DC/2.7, KY/1.7, MS/1.6 --2,007
29. 1980 -- Tuberculosis, US death rate 0.87 per 100K, esp. DC/4.21, SC, 1.79, AL/1.74 --1,978
30. 1981 -- Tuberculosis, US death rate 0.84 per 100K, esp. AL/1.96, DC/1.57, FL/1.43 --1,937
31. 1982 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.83, AL/1.63, TN/1.4 --1,807
32. 1983 -- Tuberculosis, US death rate 0.76 per 100K, esp. DC/3.63, AL/1.6, LA/1.2 --1,779
33. 1984 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/3.62, AL/1.57, NY/1.21 --1,729
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36. 1987 -- Tuberculosis, US death rate 0.72 per 100K, esp. DC/2.82, AL/1.54, NY/1.5 --1,755
37. 1988 -- Tuberculosis, US death rate 0.78 per 100K, esp. DC/2.05, NY/1.61, HI/1.48 --1,921
38. 1989 -- Tuberculosis, US death rate 0.80 per 100K, esp. DC/2.55; NY/1.63; LA/1.34 --1,970

39. 1990 -- Tuberculosis, US death rate 0.73 per 100K, esp. DC/1.97; NY/1.63; MS/1.48 --1,810
40. 1991 -- Tuberculosis, US death rate 0.68 per 100K, esp. DC/2.32. NY/1.62; AR/1.17 --1,713
41. 1992 -- Tuberculosis, US death rate 0.66 per 100K, esp. NY, 1.38; MS, 1.33 --1,705
42. 1993 -- Tuberculosis, US death rate 0.63 per 100K, esp. DC/2.51 and NY/1.16 --1,631
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45. 1996 -- Tuberculosis, ICD-9 code 010-018, death rate 0.45 per 100K, esp. DC, 1.92 --1,202
46. 1997 -- Tuberculosis, ICD-9 code 010-018, death rate 0.43 per 100K, esp. HI, 0.99 --1,166
47. 1998 -- Tuberculosis, ICD-9 code 010-018, death rate 0.40 per 100K, esp. LA, 0.72 --1,112
48. 1999 -- Tuberculosis, ICD-10 code A16-19, death rate 0.33 per 100K, esp. NM, 0.608 -- 930

49. 2000 -- Tuberculosis, ICD-10 code A16-19; death rate 0.276 per 100K, esp. LA, 0.559 -- 776
50. 2001 -- Tuberculosis, ICD-10 code A16-19, death rate 0.268 per 100K, esp. DC, 1.741 -- 764
51. 2002 -- Tuberculosis, ICD-10 code A16-19, death rate 0.273 per 100K, esp. AR, 0.443-- 784
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53. 2004 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. KY, 0.36 -- 657
54. 2005 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. LA, 0.39 -- 648
55. 2006 -- Tuberculosis, ICD-10 code A16-19, death rate 0.22 per 100K, esp. AR/.35, LA/.33-- 652
56. 2007 -- Tuberculosis, death rate 0.184 per 100K, esp. TN/.389 above avg. death rate -- 554
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64. 2015 -- Tuberculosis, ICD-10 Codes A16-A19, esp. CA/85, TX/61, NY/35, PA/22 -- 470
65. 2016 -- Tuberculosis, ICD-10 Codes A16-A19, esp. CA/111, TX/55, FL/36, OK/14 -- 528
Disease -- TYPHOID FEVER -- By Mortality

1. 1900 -- Typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX 35,379
2. 1890 -- Typhoid Fever, spiking in Oct, Census “Registration” States ~28,191-29,329
3. 1910 -- Typhoid Fever, nationwide 25,000
4. 1879 -- June-May 1880, Typhoid (“Enteric”) Fever, especially IL, IN, MO, OH, TX 23,339
5. 1870 -- Typhoid Fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA 22,187
6. 1860 -- Typhoid Fever, Census “Registration” States 19,236
7. 1850 -- Typhoid Fever, 31 States, Washington, DC, four Territories --13,099
8. 1907 -- Typhoid Fever, Census “Registration” States and localities 12,670
9. 1918 -- Typhoid Fever, 33 Registration States, DC and Puerto Rico, esp. TX 9,100
10. 1925 -- Typhoid & paratyphoid Fever, 48 States, esp. KY/668, TN/653, LA/649 8,287
11. 1920 -- Typhoid Fever, esp. PA/503 KY/490 OH/435 IL/380 NY/SC/379\(^{369}\) 6,805
12. 1897 -- Typhoid Fever, esp. CT, DC, IN, MI, MN NY, OH, PA, Denver, St. Louis 5,855
14. 1891 -- Epidemic, Typhoid Fever, Chicago (2,000), DC (208), Philadelphia (516) --2,724
15. 1911 -- Typhoid Fever, PA --1,716
16. 1912 -- Typhoid Fever, PA --1,310
17. 1899 -- Typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia --1,026
18. 1881 -- Typhoid Fever, Birmingham AL, Washington DC, Minneapolis, NYC -- 692
19. 1875 -- Typhoid Fever, 3\(^{rd}\) leading cause of death in MI for year -- 433
20. 1912 -- Apr, Typhoid Fever, NY -- 433
21. 1754 -- Typhoid Fever, Philadelphia, PA -- 273
22. 1885 -- Typhoid Fever Epidemic, Plymouth, PA (114) & Washington, DC (124) -- 238
23. 1893 -- Typhoid Fever, Washington, DC -- 186
24. 1892 -- Typhoid Fever, Washington, DC -- 183
25. 1889 -- Typhoid Fever, Washington, DC -- 170
26. 1888 -- Typhoid Fever, Washington, DC -- 168
27. 1886 -- Typhoid Fever, Washington, DC -- 125
28. 1882 -- Typhoid Fever, Washington, DC -- 120
29. 1887 -- Typhoid Fever, Washington, DC -- 116
30. 1853 -- Typhoid outbreak, Native Americans, Nevada City vicinity, CA -- ~100
31. 1883 -- Typhoid Fever, Washington, DC -- 92
32. 1727 -- Sum. esp., Typhoid fever-like epidemic Norwich (~40) & Woodbury (≥44), CT\(^{370}\) ≥84
33. 1884 -- Typhoid Fever, Washington, DC -- 76
34. 1746 -- Aug-frost (probably Oct), Yellow Fever or Typhoid epidemic, Albany, NY\(^{371}\) -- 45

1979 -- Typhoid & Paratyphoid Fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX-- 5

\(^{369}\) 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.

\(^{370}\) Epidemic cause not known. One of the sources (Duffy) notes it bore “some resemblance to typhoid attacks.”

\(^{371}\) Sources consulted then and since (five), disagree as to yellow fever or typhoid. Cross-listing in both sub-sets.
1. 1727 -- Sum. esp., Typhoid fever-like epidemic Norwich (~40) & Woodbury (≥44), CT
2. 1746 -- Aug-frost (probably Oct), Yellow Fever or Typhoid epidemic, Albany, NY
3. 1754 -- Typhoid Fever, Philadelphia, PA
4. 1850 -- Typhoid Fever, 31 States, Washington, DC, four Territories
5. 1853 -- Typhoid outbreak, Native Americans, Nevada City vicinity, CA
6. 1860 -- Typhoid Fever, Census “Registration” States
7. 1870 -- Typhoid Fever, nationwide, esp. IL, IN, MA, MO, NY, OH, PA
8. 1875 -- Typhoid Fever, 3rd leading cause of death in MI for year
9. 1879 -- June-May 1880, Typhoid (“Enteric”) Fever, especially IL, IN, MO, OH, TX
10. 1881 -- Typhoid Fever, Birmingham AL, Washington DC, Minneapolis, NYC
11. 1882 -- Typhoid Fever, Washington, DC
12. 1883 -- Typhoid Fever, Washington, DC
13. 1884 -- Typhoid Fever, Washington, DC
14. 1885 -- Typhoid Fever Epidemic, Plymouth, PA (114) & Washington, DC (124)
15. 1886 -- Typhoid Fever, Washington, DC
16. 1887 -- Typhoid Fever, Washington, DC
17. 1888 -- Typhoid Fever, Washington, DC
18. 1889 -- Typhoid Fever, Washington, DC
19. 1890 -- Typhoid Fever, nationwide, spiking in Oct
20. 1891 -- Typhoid Fever, Chicago (2,000), DC (208), Philadelphia (516)
21. 1892 -- Typhoid Fever, Washington, DC
22. 1893 -- Typhoid Fever, Washington, DC
23. 1897 -- Typhoid Fever, esp. CT, DC, IN, MI, MN NY, OH, PA, Denver, St. Louis
25. 1899 -- Typhoid fever epidemics/outbreaks, Greensboro, NC; PA, esp. Philadelphia
26. 1900 -- Typhoid, esp. AL, AR, GA, IN, KY, MS, MO, NY, NC, OH, PA, TN, TX
27. 1907 -- Typhoid, Census “Registration” States and localities
28. 1910 -- Typhoid Fever, nationwide
29. 1911 -- Typhoid Fever, PA
30. 1912 -- Typhoid Fever, PA
31. 1918 -- Typhoid Fever, 33 Registration States, DC and Puerto Rico, esp. TX
32. 1920 -- Typhoid Fever, esp. PA/503 KY/490 OH/435 TN/434 IL/380 NY/SC/379
33. 1925 -- Typhoid & Paratyphoid Fever, 48 States, esp. KY/668, TN/653, LA/649
34. 1979 -- Typhoid & Paratyphoid Fevers ICD-9 codes 002.0-002.9, AZ/CA/GA/MS/TX--

372 Epidemic cause not known. One of the sources (Duffy) notes it bore “some resemblance to typhoid attacks.”
373 Sources noted then and since (five), disagree as to yellow fever or typhoid. Cross-listing in both sub-sets.
374 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 – By Mortality**

1. 1870 -- Typhus, nationwide, especially IL, IN, NY, and PA -- 1,770
2. 1586 -- Passamaquoddy Natives “Devastated” by Typhus Epidemic, Maine -- Hundreds?
3. 1892 -- Typhus Fever, NYC, NY -- 200
4. 1814 -- Summer-Fall, Epidemic Fever (referred to as Typhus), Wardsborough, VT -- 23-26

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 – 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. 1870 -- Typhus, nationwide, especially IL, IN, NY, and PA -- 1,770
4. 1892 -- Typhus Fever, NYC, NY -- 200

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\(^{375}\) -- 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
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, 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, Nation wide, especially TX and KY -- 2,926
12. 1944 -- Whooping Cough, Nationwide, especially NC, VA, TX, SC, KY, MS -- 1,878
13. 1875 -- Whooping Cough, MI -- 101
14. 1894 -- Feb 4-10, Whooping Cough Outbreak, New York City, NY -- 101
15. 1770 -- “Chin” (Whooping) Cough epidemic esp. children, Salem (pop. ~5,000), MA -- 37
16. 2005 -- Whooping Cough (ICD-10 code A37.0), 28 under 1 year-old -- 31
17. 2010 -- Whooping Cough (ICD-10 code A37.0), 25 under 1 year-old -- 26
18. 2008 -- Whooping Cough (ICD-10 code A37.0), 18 under 1 year-old -- 20
19. 2002 -- Whooping Cough (ICD-10 code A37.0), all 18 under 1 year-old -- 18
20. 2001 -- Whooping Cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old) -- 17
21. 2012 -- Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old -- 17
22. 2004 -- Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old -- 16
23. 2009 -- Whooping Cough (ICD-10 code A37.0), all under 1 year-old -- 15
24. 2014 -- Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old -- 14
25. 1989 -- Whooping Cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old) -- 12
26. 1990 -- Whooping Cough (ICD-9 code 033.0), 11 (under 1 year), 1 (1-4 years old) -- 12
27. 2000 -- Whooping Cough (ICD-10 code A37.0), (all under 1 year-old) -- 12
28. 2013 -- Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old -- 12
29. 1980 -- Whooping Cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NC/PA/VA -- 11
30. 2003 -- Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old -- 11
31. 2016 -- Whooping Cough (ICD-10 code A37.0) -- 11
32. 1977 -- Whooping Cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each -- 10

---

\(^{375}\) Data from 34 registration States and a number of cities \(\geq 100,000\) in non-registration states.
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1978</td>
<td>Whooping Cough (ICD-8 code 0.33.0)</td>
<td>-- 6</td>
</tr>
<tr>
<td>1979</td>
<td>Whooping Cough, (ICD-9 code 033.0), all under 1 year old</td>
<td>-- 6</td>
</tr>
<tr>
<td>1981</td>
<td>Whooping Cough, CO, GA, KY, ND, WA, WI, 1 each</td>
<td>-- 6</td>
</tr>
<tr>
<td>1986</td>
<td>Whooping Cough (ICD-9 code 033.0), 5 &lt;1 year old, 1 in 65-74 age range</td>
<td>-- 6</td>
</tr>
<tr>
<td>1995</td>
<td>Whooping Cough (ICD-9 code 033.0), 6 &lt;1 year old</td>
<td>-- 6</td>
</tr>
<tr>
<td>1997</td>
<td>Whooping Cough (ICD-9 code 033.0), 6 &lt;1 year old</td>
<td>-- 6</td>
</tr>
<tr>
<td>1983</td>
<td>Whooping Cough (ICD-9 code 033.0), all under 1 year old</td>
<td>-- 5</td>
</tr>
<tr>
<td>1992</td>
<td>Whooping Cough (ICD-9 code 033.0), 4 &lt;1 year old, 1 age 5-9</td>
<td>-- 5</td>
</tr>
<tr>
<td>1998</td>
<td>Whooping Cough (ICD-9 code 033.0), 4 &lt;1 year, 1 between 1 and 4 years</td>
<td>-- 5</td>
</tr>
<tr>
<td>1982</td>
<td>Whooping Cough (ICD-9 code 033.0), all under 1 year old</td>
<td>-- 4</td>
</tr>
<tr>
<td>1985</td>
<td>Whooping Cough (ICD-9 code 033.0), 3 under 1 year and 1 in 1-4 age range</td>
<td>-- 4</td>
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<tr>
<td>1988</td>
<td>Whooping Cough (ICD-9 code 033.0), all under 1 year old</td>
<td>-- 4</td>
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<tr>
<td>1996</td>
<td>Whooping Cough (ICD-9 code 033.0), 4 &lt;1 year old</td>
<td>-- 4</td>
</tr>
<tr>
<td>1987</td>
<td>Whooping Cough (ICD-9 code 033.0), between age of 1 and 4</td>
<td>-- 1</td>
</tr>
<tr>
<td>1991</td>
<td>Whooping Cough (ICD-9 code 033.0)</td>
<td>-- 0</td>
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</tbody>
</table>
### Disease -- WHOOPING COUGH/Pertussis -- Chronological

1. 1770 -- “Chin” (Whooping) Cough epidemic esp. children, Salem (pop. ~5,000), MA -- 37
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
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8. 1900 -- Whooping Cough, esp. NY/988, PA/702, TX/576, IL/497, AL/494, TN/425 -- 9,958
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10. 1920 -- Whooping Cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536 -- 10,968
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12. 1939 -- Whooping Cough, nationally, esp. AL, GA, IL, MS, NY, NC, PA, TX, VA -- 3,026
13. 1940 -- Whooping Cough, Nationwide, especially TX and KY -- 2,926
14. 1943 -- Whooping Cough, especially children, nationwide -- 3,368
15. 1944 -- Whooping Cough, Nationwide, especially NC, VA, TX, SC, KY, MS -- 1,878

16. 1976 -- Whooping Cough, NY/2, FL, MS, OH, OK, WI one each (6 under 1, 1/10-14)-- 7
17. 1977 -- Whooping Cough, CA, FL, GA, KS, NC, PA, TN, TX, VA, WA 1 each -- 10
18. 1978 -- Whooping Cough, (ICD-9 code 033.0), 5 under 1 year old, 1 (20-24 age range)-- 6
19. 1979 -- Whooping Cough, (ICD-9 code 033.0), all under 1 year old -- 6
20. 1980 -- Whooping Cough, under 1 year/10, 1-4 years/1, CA/FL/GA/KY/NY/PA/VA -- 11
21. 1981 -- Whooping Cough, CO, GA, KY, ND, WA, WI, 1 each -- 6
22. 1982 -- Whooping Cough (ICD-9 code 033.0), all under 1 year old -- 4
23. 1983 -- Whooping Cough (ICD-9 code 033.0), all under 1 year old -- 5
24. 1984 -- Whooping Cough (ICD-9 code 033.0), all under 1 year old -- 7
25. 1985 -- Whooping Cough (ICD-9 code 033.0), 3 under 1 year and 1 in 1-4 age range -- 4
26. 1986 -- Whooping Cough (ICD-9 code 033.0), 5 <1 year old, 1 in 65-74 age range -- 6
27. 1987 -- Whooping Cough (ICD-9 code 033.0), between age of 1 and 4 -- 1
28. 1988 -- Whooping Cough (ICD-9 code 033.0), all under 1 year old -- 4
29. 1989 -- Whooping Cough (ICD-9 code 033.0), 9 (under 1 year), 3 (1-4 years old) -- 12
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32. 1992 -- Whooping Cough (ICD-9 code 033.0), 4 <1 year old, 1 age 5-9 -- 5

---

Data from 34 registration States and a number of cities ≥100,000 in non-registration states.
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1993</td>
<td>Whooping Cough (ICD-9 code 033.0), all &lt;1 year old</td>
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<tr>
<td>1994</td>
<td>Whooping Cough (ICD-9 code 033.0), all &lt;1 year old</td>
<td>8</td>
</tr>
<tr>
<td>1995</td>
<td>Whooping Cough (ICD-9 code 033.0), 6 &lt;1 year old</td>
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<tr>
<td>1996</td>
<td>Whooping Cough (ICD-9 code 033.0), 4 &lt;1 year old</td>
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</tr>
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<td>1997</td>
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<td>6</td>
</tr>
<tr>
<td>1998</td>
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<td>1999</td>
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<td>2000</td>
<td>Whooping Cough (ICD-10 code A37.0), (all under 1 year-old)</td>
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<td>2001</td>
<td>Whooping Cough (ICD-10 code A37.0), (16 under 1 year; 1, 1-4 years-old)</td>
<td>17</td>
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<tr>
<td>2002</td>
<td>Whooping Cough (ICD-10 code A37.0), all 18 under 1 year-old</td>
<td>18</td>
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<tr>
<td>2003</td>
<td>Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old</td>
<td>11</td>
</tr>
<tr>
<td>2004</td>
<td>Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old</td>
<td>16</td>
</tr>
<tr>
<td>2005</td>
<td>Whooping Cough (ICD-10 code A37.0), 28 under 1 year-old</td>
<td>31</td>
</tr>
<tr>
<td>2006</td>
<td>Whooping Cough (ICD-10 code A37.0), 8 &lt;1, 1 (75-84 age range)</td>
<td>9</td>
</tr>
<tr>
<td>2007</td>
<td>Whooping Cough (ICD-10 code A37.0), 8 &lt;1 year, 1 (45-54)</td>
<td>7</td>
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<tr>
<td>2008</td>
<td>Whooping Cough (ICD-10 code A37.0), 18 under 1 year-old</td>
<td>20</td>
</tr>
<tr>
<td>2009</td>
<td>Whooping Cough (ICD-10 code A37.0), all under 1 year-old</td>
<td>15</td>
</tr>
<tr>
<td>2010</td>
<td>Whooping Cough (ICD-10 code A37.0), 25 under 1 year-old</td>
<td>26</td>
</tr>
<tr>
<td>2011</td>
<td>Whooping Cough (ICD-10 code A37.0)</td>
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<tr>
<td>2012</td>
<td>Whooping Cough (ICD-10 code A37.0), 15 under 1 year-old</td>
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<td>2013</td>
<td>Whooping Cough (ICD-10 code A37.0), 10 under 1 year-old</td>
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<tr>
<td>2016</td>
<td>Whooping Cough (ICD-10 code A37.0)</td>
<td>11</td>
</tr>
</tbody>
</table>
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 10,004
4. 1798 -- Yellow Fever Epidemic, East Coast Port Cities --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, Vicksburg >3,400
12. 1819 -- Yellow Fever, esp. Charleston, Mobile, Natchez; most esp. New Orleans-2,871-3,019
14. 1822 -- Yellow Fever, esp. late Sum-Fall, esp. NOLA/Marietta OH/NYC/Pensacola >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/66--1,311-1,679
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. 1887 -- Yellow Fever Outbreaks, esp. Fernandina & Tampa, FL & New Orleans, LA -- 941
32. 1848 -- Yellow Fever, Jun-Nov, Mobile, New Orleans, NY Marine Hospital -- 938
33. 1849 -- Yellow Fever Epidemic -- Charleston SC, New Orleans --912
34. 1850 -- Jan-Oct, Yellow Fever, esp. Jefferson/Olens Parishes/New Orleans, LA and SC --862
35. 1809 -- Yellow Fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA--850

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377 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.

378 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 Matamoras, Texas. Mostly late Summer and Fall.

379 Also includes 101 fatalities on the U.S. Frigate Macedonian, sailing in the Caribbean late Spring to mid Summer.

380 Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.
36. 1795 -- July 19–Oct 12, Yellow Fever Epidemic, NY City, also Providence, RI  ~745-800
37. 1879 -- June-Dec, Yellow Fever, Forest City, AR, Louisiana, MS, Memphis, TN  ~682-786
38. 1805 -- Yellow Fever Epidemic, New York, Philadelphia, Providence, RI  --  750

Diseases -- YELLOW FEVER – By MORTALITY – Cont.

39. 1852 -- Yellow Fever, Charleston, New Orleans, Savannah  --  745
40. 1794 -- Yellow Fever Epidemic  --  624
41. 1844 -- Yellow Fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA (148)--590
42. 1823 -- July-Nov 1, Yellow Fever Epidemic, Natchez & vicinity, MS, New Orleans  --  581
43. 1702 -- Summer to late Fall, Yellow Fever Epidemic, New York City, NY  --  500-570
44. 1802 -- Yellow Fever, Wilmington DE, MD, MA, Philadelphia, NH, SC  --  561
45. 1888 -- July-Dec, Yellow Fever epidemic, FL esp. Jacksonville/430; Decatur AL/35  --  546
46. 1897 -- Sep-Dec, Yellow Fever, esp. Mobile/48, New Orleans/298, MS, Memphis TN-- ~520
47. 1821 -- Summer-fall, Yellow Fever, esp. Norfolk, VA (~160); St Augustine, FL (172) -- >414
48. 1832 -- Yellow Fever Outbreak, New Orleans, LA  --  400
49. 1741 -- Yellow Fever Epidemic, Boston MA and especially Philadelphia PA  --  265
50. 1763 -- Aug-Feb 1774, Yellow Fever, Indians, Nantucket Isl., & Martha’s Vineyard, MA 381-200-261
51. 1818 -- Yellow Fever epidemics, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150-- 332
52. 1827 -- Yellow Fever, esp. Charleston SC (64) & especially New Orleans (109) epidemics  --  198
53. 1866 -- Aug-Nov (esp.), Yellow Fever Outbreaks, especially New Orleans, LA (185) --  211
54. 1779 -- July-Oct, Yellow Fever Epidemic, New York City, NY  --  200
55. 1863 -- Yellow Fever Outbreak, Pensacola, FL  --  200
56. 1804 -- Yellow Fever Epidemics, NOLA, Brooklyn, NY & especially Charleston, SC  --  198
57. 1882 -- Yellow Fever, Aug-Nov, Pensacola, FL  --  198
58. 1827 -- Yellow Fever, esp. Charleston, SC (64) & New Orleans (109) epidemics  -- >195
59. 1898 -- Aug 23-Nov 18, Yellow Fever, LA, especially New Orleans (57); MS (80)  -- 175
60. 1877 -- Aug-Nov, Yellow Fever, esp. Enterprise/112, Fernandina/94, St. Augustine/50, FL-- 263
61. 1876 -- Aug-Feb 1774, Yellow Fever, Indians, Nantucket Isl., & Martha’s Vineyard, MA 381-200-261
62. 1818 -- Yellow Fever epidemics, esp. Charleston SC (115); New Orleans, LA (115)  --  234
63. 1873 -- May-Oct, Yellow Fever outbreaks, Charleston SC (130-150), NYC (70) --200-220
64. 1742 -- July 25-Oct, Yellow Fever Epidemic, New York City, NY  --  217
65. 1866 -- Aug-Nov (esp.), Yellow Fever Outbreaks, especially New Orleans, LA (185) --  211
66. 1791 -- Yellow Fever Epidemic, New York City, NY  --  200
67. 1863 -- Yellow Fever Outbreak, Pensacola, FL  --  200
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69. 1882 -- Yellow Fever, Aug-Nov, Pensacola, FL  --  198
70. 1827 -- Yellow Fever, esp. Charleston, SC (64) & New Orleans (109) epidemics  -- >195
71. 1898 -- Aug 23-Nov 18, Yellow Fever, LA, especially New Orleans (57); MS (80)  -- 175
72. 1830 -- July-Fall, Yellow Fever, Charleston SC (39) & especially New Orleans (132) --  172

Diseases -- YELLOW FEVER – By MORTALITY – Cont.

381 The Nantucket Island Native American population was decimated, only a small percentage survived.
<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
<th>Description</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1728</td>
<td>Late Summer to Fall, Yellow Fever, Charleston, SC</td>
<td>-- &lt;130</td>
<td></td>
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<tr>
<td>1739</td>
<td>Yellow Fever, “severe” extensive, “raged…violently,” Charleston, SC</td>
<td>-- Dozens</td>
<td></td>
</tr>
<tr>
<td>1745</td>
<td>June-Nov, Yellow Fever, New York City and especially Charleston, SC</td>
<td>-- Dozens</td>
<td></td>
</tr>
<tr>
<td>1762</td>
<td>Aug-Nov, Yellow Fever, Philadelphia, PA</td>
<td>-- 100?</td>
<td></td>
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<tr>
<td>1776</td>
<td>Yellow Fever Epidemic, Queensborough, NYC, NY</td>
<td>-- 156</td>
<td></td>
</tr>
<tr>
<td>1780</td>
<td>Yellow Fever Epidemic, New Orleans (≥95), LA; Charleston (49), SC</td>
<td>-- 144</td>
<td></td>
</tr>
<tr>
<td>1792</td>
<td>Yellow Fever Epidemic, Pensacola, FL</td>
<td>-- 125</td>
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<td>1801</td>
<td>Yellow Fever Epidemic, Queensborough, NY, NY</td>
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<td>1807</td>
<td>Yellow Fever Epidemic, especially Charleston, SC</td>
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<tr>
<td>1818</td>
<td>Yellow Fever Epidemic, New Orleans, LA (146-160); also Mobile AL (4)</td>
<td>-- 151-165</td>
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</tr>
<tr>
<td>1824</td>
<td>Yellow Fever Epidemic, Charleston, SC</td>
<td>-- 144</td>
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<tr>
<td>1834</td>
<td>Yellow Fever Epidemic, New Orleans (&gt;95), LA; Charleston (49), SC</td>
<td>-- 144</td>
<td></td>
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<tr>
<td>1846</td>
<td>Yellow Fever epidemic, New Orleans, LA (146-160); also Mobile AL (4)</td>
<td>-- 151-165</td>
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<tr>
<td>1851</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
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<td>1852</td>
<td>Yellow Fever Epidemic, Pensacola, FL</td>
<td>-- 125</td>
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<td>1853</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
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<tr>
<td>1859</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
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<td>1868</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
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<td>1872</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
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<td>1892</td>
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<td>1920</td>
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<td>1990</td>
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<td>1995</td>
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<td>2000</td>
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<tr>
<td>2005</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>-- 16</td>
<td></td>
</tr>
</tbody>
</table>

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382 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.

383 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.)

384 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.

385 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.
1. 1668 -- Yellow Fever Outbreak, New York, NY -- > 10
2. 1693 -- June 17 start, Yellow Fever, Boston, British fleet arrival from Martinique\textsuperscript{386} -- ≤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, SC\textsuperscript{387} -- 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, SC\textsuperscript{388} -- 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,\textsuperscript{389} Yellow Fever, Philadelphia, PA -- ~100?
15. 1763 -- Aug-Feb 1774, Yellow Fever, Indians, Nantucket Isl., & Martha’s Vineyard, MA\textsuperscript{390} -- 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 -- Yellow Fever Epidemic -- 624
21. 1795 -- July 19–Oct 12, Yellow Fever Epidemic, NY City, also Providence, RI -- 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 -- 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
31. 1805 -- Yellow Fever Epidemic, New York, Philadelphia, Providence, RI -- 750
32. 1807 -- Yellow Fever Epidemic, especially Charleston, SC -- 169

\textsuperscript{386} 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.

\textsuperscript{387} 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. \textit{Epidemics in Colonial America}. Baton Rouge: LSU Press, 1953, 1979, p. 152.)

\textsuperscript{388} 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.

\textsuperscript{389} The Nantucket Island Native American population was decimated, only a small percentage survived.
<table>
<thead>
<tr>
<th>Year</th>
<th>Description</th>
<th>Death Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1808</td>
<td>Yellow Fever Epidemic, Sep 5-Oct, St. Mary's, GA</td>
<td>84</td>
</tr>
<tr>
<td>1809</td>
<td>Yellow Fever, esp. Brooklyn/NYC (42); New Orleans (civilian/military; ~800), LA</td>
<td>850</td>
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<tr>
<td>1811</td>
<td>Yellow Fever Epidemic, New Orleans, LA</td>
<td>&gt;500</td>
</tr>
<tr>
<td>1812</td>
<td>Yellow Fever, esp. late Sum-Fall, esp. NOLA/Marietta OH/NYC/Pensacola</td>
<td>1,519-2,741</td>
</tr>
<tr>
<td>1813</td>
<td>Yellow Fever Epidemic, Natchez &amp; vicinity, MS, New Orleans</td>
<td>581</td>
</tr>
<tr>
<td>1814</td>
<td>July-Nov, Yellow Fever, esp. Charleston SC (235); New Orleans LA (≥108)</td>
<td>364-373</td>
</tr>
<tr>
<td>1815</td>
<td>Yellow Fever, esp. Mobile, Key West &amp; Pensacola, NOLA, Natchez, Washington</td>
<td>428</td>
</tr>
<tr>
<td>1816</td>
<td>Yellow Fever, esp. Charleston SC (64) &amp; New Orleans (109) epidemics</td>
<td>&gt;195</td>
</tr>
<tr>
<td>1817</td>
<td>Yellow Fever, esp. Charleston SC/26, Memphis/56, MS/90, New Orleans/150</td>
<td>332</td>
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<tr>
<td>1818</td>
<td>Yellow Fever, esp. FL, Mobile AL/130; Natchez MS/90; New Orleans LA</td>
<td>1,146</td>
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<tr>
<td>1819</td>
<td>July-Fall, Yellow Fever, Charleston SC (39) &amp; especially New Orleans (132)</td>
<td>172</td>
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<tr>
<td>1820</td>
<td>Yellow Fever Outbreak, New Orleans, LA</td>
<td>400</td>
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<tr>
<td>1821</td>
<td>Early Aug-early Nov, Yellow Fever Epidemic, New Orleans, LA</td>
<td>1,000</td>
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<tr>
<td>1822</td>
<td>Yellow Fever Epidemic, New Orleans (≥95), LA; Charleston (49), SC</td>
<td>144</td>
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<tr>
<td>1823</td>
<td>Aug-Sep, Yellow Fever, Charleston SC (25-26) New Orleans LA (284-289)</td>
<td>309-315</td>
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<td>1824</td>
<td>Aug-Nov, Yellow Fever Epidemics, Mobile AL; New Orleans LA; Natchez MS</td>
<td>1,550-1,930</td>
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<tr>
<td>1825</td>
<td>Yellow Fever, New Orleans LA (17), NY Marine Hosp. (8) Charleston SC (351)</td>
<td>376</td>
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<tr>
<td>1826</td>
<td>June-Oct, Yellow Fever, SC, FL, GA, TX, esp. Mobile, Natchez, New Orleans</td>
<td>2,764</td>
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<tr>
<td>1827</td>
<td>Yellow Fever Epidemic, Charleston, SC (22), New Orleans (3)</td>
<td>25</td>
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<tr>
<td>1828</td>
<td>Yellow Fever, esp. FL &amp; LA, esp. New Orleans, also Vicksburg, Charleston</td>
<td>3,498</td>
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<tr>
<td>1829</td>
<td>July-Oct, Yellow Fever Epidemics, Mobile AL (66-77), New Orleans (211)</td>
<td>285-289</td>
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<td>1830</td>
<td>July-Nov, Yellow Fever, esp. Mobile AL (240-750), New Orleans (487-700)</td>
<td>758-1,481</td>
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<td>1831</td>
<td>Yellow Fever, esp. Galveston TX (400); Mobile AL (40); New Orleans LA</td>
<td>3,400</td>
</tr>
<tr>
<td>1832</td>
<td>Yellow Fever epidemic, New Orleans, LA (146-160); also Mobile AL (4)</td>
<td>151-165</td>
</tr>
<tr>
<td>1833</td>
<td>Yellow Fever, esp. NOLA, also Galveston, Mobile, Pensacola, Vicksburg</td>
<td>3,400</td>
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<td>1834</td>
<td>Yellow Fever, Jun-Nov, Mobile, New Orleans, NY Marine Hospital</td>
<td>938</td>
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<tr>
<td>1835</td>
<td>Yellow Fever Epidemic -- Charleston SC, New Orleans</td>
<td>912</td>
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<tr>
<td>1836</td>
<td>Jan-Oct, Yellow Fever, esp. Jefferson/orleans Parishes/New Orleans, LA</td>
<td>862</td>
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<td>1837</td>
<td>Yellow Fever Outbreak, New Orleans, LA</td>
<td>16</td>
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<tr>
<td>1838</td>
<td>Yellow Fever, Charleston, New Orleans, Savannah</td>
<td>745</td>
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</table>

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391 Also includes 101 fatalities on the U.S. Frigate Macedonian, sailing in the Caribbean late Spring to mid Summer.
392 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 Matamoras, Texas. Mostly late Summer and Fall.
393 Seventh Census data supplemented by addition of at least 97 yellow fever deaths in New Orleans Aug-Sep.
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 10,004

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
Diseases – OTHER – By Mortality

1. 1829-1834 (esp. 1833) -- Unknown Epidemic, West Coast Native Americans -- 6,500-22,000
2. 1804 -- Epidemic, Possibly Cholera (or Typhoid or Plague) Natives, Oahu, Hawaii > 3,000
3. 1616 -- Unknown Epidemic, Natives, especially near coasts of MA, ME, RI -- Thousands
4. 1809 -- Disease/Illness, May-Feb 1810, U.S. Army, MS -- 656
5. 1609-10 -- Winter, Starvation, Disease, Attack, Jamestown Colony, VA
   > 400-440
6. 1585, June-June 1586 -- Disease, Natives visited by English from Roanoke Colony NC ≥ 360
7. 1998 -- Infectious colitis, enteritis, gastroenteritis, ICD-9 code 009.0, death rate 0.124 per 100K -- 342
8. 1538-1539, Unknown epidemic, “Cofitachequi” Natives, central SC Hundreds
9. 1616-17 -- Unknown epidemic, Native Americans, Maine ≥ Hundreds
10. 1822 -- Summer, “Bilious [“Intermittent”] Fever” Epidemic, Louisville, KY
    -- 140-232
11. 1920 -- Mumps, 33 registration states -- 152
13. 1607 -- July-Dec, Disease and Famine/Starvation, Jamestown Colony, VA
    -- 66
14. 1964 -- June 27-Oct 3, St. Louis Encephalitis Epidemic, Houston/33; elsewhere/24
    -- 57
15. 1753-54 -- Dec-Jan (2 mo.), unknown epidemic fever, Holliston (pop. ~80 families), MA
    -- 43
16. 1715 -- “Malignant disease,” Plymouth, MA -- 40
17. 1852 -- Nov/Dec, Unknown epidemic, Natives, Hock Farm, Sutter County, CA
    -- 40
18. 2014 -- Enterovirus infection, ICD-10 code B34.1, death rate 0.010 -- 31
20. 1736 -- July-Nov, Epidemic (scarlet fever or diphtheria?), esp. children, Marblehead MA
    -- ~25
21. 1726 -- Summer, unknown Typhoid Fever-like Epidemic, Newent Parish, Norwich, CT
    -- ~20
22. 1741 -- Pre-April, “Long” or “Lung” Fever, Sutton, MA (19), New London, CT
    (?) -- ≥ 19

394 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.
395 Cofitachequi is the name the Spaniards of Hernando de Soto’s expedition gave to these natives. Some speculate they could have been Catawban. (Holleyman, Joey. “The lost tribe of South Carolina.” The State, 7-5-2009.)
396 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 Service), and the U. S. Marine-Hospital Service.
397 Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.
398 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.
399 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.
1. 1538-1539, *Unknown epidemic*, “Cofitachequi”\(^{400}\) 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, VA\(^{401}\) -- 66
4. 1609-10 Winter, *Starvation*, *Disease*, *Attack*, Jamestown Colony, VA\(^{402}\) >400-440
5. 1616-17 -- *Epidemic*, Native Americans, Maine -- ≥Hundreds
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
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, CA\(^{403}\) -- 40
17. 1920 -- *Mumps*, 33 registration states -- 152
18. 1964 -- June 27-Oct 3, *St. Louis Encephalitis* Epidemic, Houston/33; elsewhere/24\(^{404}\)-- 57
19. 1998 -- Infectious colitis, enteritis, gastroenteritis, ICD-9 code 009.0, death rate 0.124 per 100K-- 342
20. 2014 -- Enterovirus infection outbreak, ICD-10 code B34.1, death rate 0.010 -- 31

**DROWNINGS**, especially swimming (not related to watercraft) – By Fatalities

---

\(^{400}\) 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.)

\(^{401}\) Cross-listed in Starvation. The sources utilized do not breakout starvation/famine from disease deaths.

\(^{402}\) 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.

\(^{403}\) 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.

\(^{404}\) 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.
1. 1899 -- Aug 6, Gangplank Fails, Drownings, Mount Desert Ferry ~ Bar Harbor, ME -- 20
2. 1838 -- Nov 19, Drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
3. 1911 -- July 4, Swimming Drownings, greater Philadelphia, PA -- 12
4. 1905 -- July 7, Drownings, at Log Jam, Chippewa River, Little Falls Dam, WI -- 11
5. 1913 -- June 30, Walkway/Gangway failure, drownings, Merrimac River, Lawrence, MA -- 11
6. 1901 -- Jun 30, Drownings NYC area (East, Harlem, Hudson, No. rivs.) Rockaway Beach-10
7. 1911 -- Jun 24, Swimming Drownings (all children), Pensacola, FL -- 10
8. 1927 -- July 18, Drownings at beaches, Lake Michigan, Chicago vicinity, IL -- 10
9. 1929 -- July 4, Swimming drownings, Grand Haven State Park, MI -- 10

1911 -- July 4, Swimming Drownings, NYC, NY -- 9
1897 -- July 4, Drownings in Lake Michigan during heat wave, Chicago area, IL -- 8
1990 -- Feb 19, teenagers/3 fall through thin ice, four rescuers die, Lake Convict, CA -- 7
2010 -- Aug 2, 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 4, Drownings in Lake Michigan during heat wave, Chicago area, IL -- 8
2. 1899 -- Aug 6, Gangplank Fails, Drownings, Mount Desert Ferry ~ Bar Harbor, ME -- 20

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## 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, CA\(^{405}\) -- 17
3. 1935 -- March 15-22, Dust Storms, MO, NE, NM, esp. KS/8 deaths, CO/6, TX/1 -- 15
4. 1945 -- July 14, USAAF B-29 Crash/Sandstorm, Kirtland Fld., Albuquerque NM\(^{406}\) -- 13
5. 1995 -- April 9, Dust Storm-Related Vehicle Accidents, Bowie, AZ\(^{407}\) -- 10

1950 -- March 25 Dust Storms & Auto Accidents, OK, TX, KS, MO, NM, NE -- 8
1999 -- Sep 25, I-84 pileup/dust storm/high wind/wheat field under plow ~Pendleton OR\(^{408}\)-8
2017 -- June 19, Dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM\(^{409}\)-- 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 -- March 15-22, Dust Storms, MO, NE, NM, esp. KS/8 deaths, CO/6, TX/1 -- 15

3. 1945 -- July 14, USAAF B-29 Crash/Sandstorm, Kirtland Fld., Albuquerque NM\(^{410}\) -- 13

1950 -- March 25 Dust Storms & Auto Accidents, OK, TX, KS, MO, NM, NE -- 8

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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, NM\(^{414}\)-- 6

\(^{405}\) Cross-listed in Road Events.  
\(^{406}\) Cross-listed in “Aviation.”  
\(^{407}\) Cross-listed in Road Events.  
\(^{408}\) Cross-listed in Road Events.  
\(^{409}\) Cross-listed in Road Events.  
\(^{410}\) Cross-listed in “Aviation.”  
\(^{411}\) Cross-listed in Road Events.  
\(^{412}\) Cross-listed in Road Events.  
\(^{413}\) Cross-listed in Road Events.  
\(^{414}\) Cross-listed in Road Events.
## EARTHQUAKES – Deadliest American – By Mortality:

1. 1906 -- Apr 18, Earthquake, Fire, Landslides, San Francisco & vicinity, CA\(^{415}\) --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, AK\(^{416}\) -- 170
4. 1886 -- Aug 31, Charleston, SC, Earthquake, felt in 27 states and DC --100-124
5. 1933 -- Mar 10, Earthquake, Long Beach, CA -- 120
6. 1918 -- Oct 11, Earthquake, Northwestern Mona Passage, Puerto Rico -- 116
7. 1868 -- Apr 02, Earthquake, Hawaii Island, HI\(^{417}\) -- 93
8. 1994 -- Jan 17, Northridge Earthquake, Los Angeles vicinity, CA --71-72
9. 1989 -- Oct 17, Loma Prieta Earthquake, San Francisco Bay Area, CA --66-68
10. 1971 -- Feb 09, Earthquake, San Fernando (Sylmar), CA -- 65
11. 1812 -- Dec 08, Earthquake, Wrightwood/San Juan Capistrano, CA -- 42
12. 1868 -- Oct 21, Earthquake, Hayward/San Francisco Bay-Area, CA -- 30
13. 1872 -- Mar 26 Earthquake, Lone Pine, Owens Valley, Central CA --27-30
14. 1959 -- Aug 18, Earthquake and Landslides, Hebgen Lake, MT\(^{418}\) -- 28
15. 1964 -- Mar 27, Earthquake, Anchorage, AK -- 15
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, Puget Sound-area, WA -- 8

\(^{415}\) Cross-listed in Fire and in Landslides, in that there were a small number of deaths due to slides.
\(^{416}\) Cross-listed with Tsunamis
\(^{417}\) Landslide fatalities = 31, tsunami fatalities = 46. (USGS, Deaths in the United States from Earthquakes, 2008)
\(^{418}\) Cross-listed in Landslides in that most of the fatalities were landslide related.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Deaths (estimated)</th>
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<tbody>
<tr>
<td>1811</td>
<td>Dec 16-Feb 7, 1812</td>
<td>New Madrid, KY, TN, NE AR, MO</td>
<td>379-1,000</td>
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<tr>
<td>1812</td>
<td>Dec 08</td>
<td>Wrightwood/San Juan Capistrano, CA</td>
<td>42</td>
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<tr>
<td>1868</td>
<td>Apr 02</td>
<td>Hawaii Island, HI</td>
<td>93</td>
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<tr>
<td>1868</td>
<td>Oct 21</td>
<td>Hayward/San Francisco Bay-Area, CA</td>
<td>30</td>
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<tr>
<td>1872</td>
<td>Mar 26</td>
<td>Lone Pine, Owens Valley, Central CA</td>
<td>27-30</td>
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<tr>
<td>1886</td>
<td>Aug 31</td>
<td>Charleston, SC</td>
<td>100-124</td>
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<td>1906</td>
<td>Apr 18</td>
<td>San Francisco &amp; vicinity, CA</td>
<td>3,000-5,000</td>
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<tr>
<td>1918</td>
<td>Oct 11</td>
<td>Northwestern Mona Passage, Puerto Rico</td>
<td>116</td>
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<tr>
<td>1925</td>
<td>June 29</td>
<td>Santa Barbara, CA</td>
<td>13</td>
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<tr>
<td>1933</td>
<td>Mar 10</td>
<td>Long Beach, CA</td>
<td>120</td>
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<tr>
<td>1940</td>
<td>May 19</td>
<td>Imperial Valley, CA</td>
<td>9</td>
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<tr>
<td>1946</td>
<td>Apr 01</td>
<td>Aleutian Islands, AK</td>
<td>170</td>
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<tr>
<td>1949</td>
<td>Apr 13</td>
<td>Puget Sound-area, WA</td>
<td>8</td>
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<tr>
<td>1952</td>
<td>July 21</td>
<td>Kern County, CA</td>
<td>12</td>
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<tr>
<td>1959</td>
<td>Aug 18</td>
<td>Hebgen Lake, MT</td>
<td>28</td>
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<tr>
<td>1964</td>
<td>Mar 27</td>
<td>Anchorage, AK</td>
<td>15</td>
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<tr>
<td>1971</td>
<td>Feb 09</td>
<td>San Fernando (Sylmar), CA</td>
<td>65</td>
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<tr>
<td>1989</td>
<td>Oct 17</td>
<td>Loma Prieta Earthquake, CA</td>
<td>66-68</td>
</tr>
<tr>
<td>1994</td>
<td>Jan 17</td>
<td>Northridge Earthquake, Los Angeles vicinity, CA</td>
<td>71-72</td>
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419 Landslide fatalities = 31, tsunami fatalities = 46. (USGS, Deaths in the United States from Earthquakes, 2008)
420 Cross-listed in Fire and in Landslides, in that there were a small number of deaths due to slides.
421 Cross-listed with Tsunamis
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<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1953</td>
<td>Nov 12-23, Smog, New York City</td>
<td>150-260</td>
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<tr>
<td>1966</td>
<td>Smog, New York City</td>
<td>168</td>
</tr>
<tr>
<td>1948</td>
<td>Oct 26-31, Industrial Smog/Pollution, Donora (and Webster), PA</td>
<td>20-22</td>
</tr>
</tbody>
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423 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 -- April 16-17, Ammonium nitrate explosion, *Grandcamp*, Texas City, TX\(^{424}\) --581-600
2. 1944 -- Nov 10, Explosion, USS *Mount Hood*, Seeadler Harbor, Manus Island\(^{425}\) --372-378
3. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA\(^{426}\) --320-325
4. 1937 -- March 18, Natural Gas explosion, consolidated school, New London, TX --311-319
5. 1865 -- May 25, Mobile Magazine Explosion, Mobile, AL -- 300
6. 1864 -- July 30, Federal Powder Explosion underneath Rebel Redoubt, Petersburg, VA -- 278
7. 1898 -- Feb 15, Battleship *USS Maine* Magazine Expls., Havana Hbr., Cuba\(^{427}\) --263-268
8. 1918 -- May 18, Aetna Chemical Co. Munitions Plant Explosion, Oakdale, PA -- 193
9. 1865 -- Feb 18, Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC\(^{428}\) --150-200
10. 1995 -- Apr 19, Terrorism, Alfred P. Murrah Federal Bldg. Bombing, Oklahoma City\(^{429}\) --168
11. 1944 -- May 21, Munitions Explosion, West Loch, Pearl Harbor, HI -- 163
12. 1944 -- Oct 20, LNG Tank Explosions & Fire, East Ohio Gas Co., Cleveland, OH\(^{430}\) 128-136
13. 1967 -- July 29, Rocket Explosion and Fire, USS *Forrestal*, Gulf of Tonkin ops.\(^{431}\) -- 134
14. 1917 -- Apr 10, Artillery Shell Munitions Plant Explosion, Eddystone, PA -- 133
15. 1918 -- Oct 04, Gillespie Co., Shell Loading Plant Explosion, Sayreville, NJ -- 100
16. 1864 -- May 26, Torpedo Mine Explos., Bachelor’s Creek Station ~New Bern, NC --40-93
17. 1862 -- Sep 17, Allegheny Arsenal Explosion & Fire, Lawrenceville/Pittsburgh, PA --74-79
18. 1850 -- Feb 04, Boiler Explosion, Taylor & Co., Hague St., Manhattan, NY\(^{432}\) --60-75
19. 1863 -- Oct 31, Bottled Propane Gas Tank Explosion, Indianapolis Coliseum, IN --74-75
20. 1905 -- Mar 20, Boiler Explos./Fire, Grover & Co. Shoe Factory, Brockton, MA\(^{433}\) -- 58
21. 1895 -- Jan 15, Fire/Dynamite Explosions, Kenyon-Connell Warehouse, Butte, MT -- 57
22. 1913 -- March 7, Harbor/Ship (*Alum Chine*) Dynamite Explosion, Baltimore, MD\(^{434}\) -- 55
23. 1909 -- Jan 20, Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~ Chicago\(^{435}\) -- 53
24. 1940 -- Sep 12, Hercules Powder/Munitions Co. Explosion, Kenvil, NJ -- 52
25. 1942 -- June 5, Explosion, Elwood Ordnance Plant, Joliet, IL --48-52
26. 1863 -- March 13, Explosion, Confederate Ordnance Lab., Brown’s Isl., Richmond VA --40-50
27. 1918 -- July 02, Semet-Solvay Co. TNT Plant Fire, Explosion, Fire, Split Rock, NY -- 50
28. 1862 -- Nov 05, Explosion, Munitions “Laboratory” Arsenal, Jackson, MS --40-48
29. 1919 -- May 22, Dust Explosion/Fire, Douglas Starch Works, Cedar Rapids, IA --40-48
30. 1989 -- Apr 19, *USS Iowa* No. 2 Turret Explosion, near Puerto Rico -- 47

\(^{424}\) Cross-listed in Maritime.
\(^{425}\) Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea. Cross-listed in Maritime.
\(^{426}\) Cross-listed under Maritime.
\(^{427}\) Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion. Cross-listed in Maritime.
\(^{428}\) Cross-listed in Violence and in Fire-Structural (almost 40% of victims died from fire and smoke inhalation). Cross-listed under Maritime.
\(^{429}\) Cross-listed in Violence and in Fire-Structural. At least 32 died in fires in nearby houses Cross-listed under Maritime.
\(^{430}\) Cross-listed under Fire, Structural.
\(^{431}\) Cross-listed under Fire.
\(^{432}\) Cross-listed under Maritime.
\(^{433}\) Cross-listed in Mines, Tunnels, Quarries.
31. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK  -- 40-44
32. 1924 -- Jan 03, Starch Dust Explosion, Corn Products Refining Co., Pekin, IL  -- 42
33. 1883 -- Sep 28, Explosion, California Powder Works, Pinole, CA  -- 41
34. 1968 -- Apr 06, Gas & Gunpowder Explosion, Fire, Marting Arms, Richmond, IN  -- 41
35. 1818 -- Mar 19, Du Pont Gun Powder Mill Explosion, Brandywine, DE  -- 40
36. 1829 -- Jun 4, Magazine Explosions, Steam Frigate Fulton, Navy Yard, Brooklyn, NY  -- 24-40
37. 1883 -- Jan 21, Explosions, Giant Powder-Works, Point Clement, ~Oakland, CA  -- 30-40
38. 1995 -- Nov 06, Evening Journal Building Boiler Explosion/Fire, Detroit, MI  -- 37-40
40. 1928 -- Apr 13, Explosion/Bldg. Collapse/Fire, Bond Dance Hall, West Plains, MO  -- 37-40
41. 1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA  -- 26-40
42. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island, NY  -- 40
43. 1972 -- Feb 1, gas explosion (lightning?), Tanker V. A. Fogg, off Galveston, TX  -- 39
44. 1912 -- Mar 18, Boiler Explosions, Train Engine, So. Pacific Yard, San Antonio, TX  -- 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 Explosions/Fire, Haber Corp. Metalworking, Chicago, IL  -- 35
48. 1904 -- Apr 13, Magazine Explosion, Battleship Missouri, off Pensacola, FL  -- 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, IN  -- 29-34
51. 1971 -- Feb 03, Thiokol Chemical Plant Explosion and Fire, Woodbine, GA  -- 34
52. 1913 -- June 24, Dust Explosion, Husted Milling Feed Plant, Buffalo, NY  -- 33
53. 1996 -- Nov 21, Propane Gas Explosion, Commercial Bldg., San Juan, Puerto Rico  -- 33
54. 1915 -- Nov 30, Explosions, Upper Hagley Yard, du Pont Powder Co., ~Wilmington, DE  -- 31
55. 1950 -- May 19, Munitions Explosion, Raritan River Pier, South Amboy, NJ  -- 31
56. 1845 -- July 19, Fire and Explosions, New, Broad, Beaver, Broadway Sts., NYC, NY  -- 30
57. 1901 -- Nov 26, Boiler Explosion and Fire, Penberthy Injector Co., Detroit, MI  -- 29-30
58. 1908 -- Feb 20, Nitroglycerin Explosion, Hercules Powder Works, Pinole, CA  -- 28-30
59. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA  -- 20-29
60. 1919 -- Nov 22, Stove Explosions/Fire/Crushing, Dance Hall/Store, Ville Platte, LA  -- 25-28
61. 1927 -- Nov 14, Natural Gas Tank Explosion, Equitable Gas Co., Pittsburgh, PA  -- 28
62. 1867 -- Jun 06, Geasy & Ward’s Cabinet Makers Boiler Explosion & Fire, Philly, PA  -- 22-27

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

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62. 1867 -- Jun 06, Geasy & Ward’s Cabinet Makers Boiler Explosion & Fire, Philly, PA  -- 22-27

436 Cross-listed in Hazardous Materials and in Rail.
437 Cross-listed under Fire, Structural.
438 Cross-listed in Maritime.
439 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.
440 Cross-listed under Lightning and Maritime.
441 Cross-listed in Rail.
442 Cross-listed in Maritime.
443 Cross-listed in Rail.
444 Cross-listed in Fire.
445 Cross-listed in Rail.
446 Cross-listed in Fires/Structural and in Violence/Trampling.
63. 1869 -- Oct 01, Boiler Explosion, Power Hall, State Fair, Indianapolis, IN --21-~27
64. 1880 -- Apr 16, Explosion, Giant Powder Works, Berkeley, CA --22-27
66. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY\textsuperscript{447} -- 26
67. 1895 -- Aug 19, Boiler Explosion/Fire, Gumry Hotel, Denver, CO -- 25
68. 1905 -- Sep 10, Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA --19-25

\begin{center}
\textbf{EXPLOSIONS – Master Set -- Deadliest American -- By MORTALITY -- (Cont.)}
\end{center}

69. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV\textsuperscript{448} -- 24
70. 1889 -- Feb 17, Park Central Hotel Boiler Explosion & Collapse, Hartford, CT --21-23
71. 1905 -- May 11, Trains Collide, blasting powder explosion, fire, SE Harrisburg, PA\textsuperscript{449} -- 23
73. 1962 -- Oct 03, Boiler Explosion, NY Telephone Co. Office, Manhattan, NY -- 23
74. 1989 -- Oct 23, Ethylene Gas Leak Explosion, Phillips Petroleum Co Pasadena TX\textsuperscript{450} -- 23
75. 1903 -- Jul 29, Powder/Dynamite Explos./Fire, U.S. Cartridge, Tewksbury, MA --20-22
76. 1926 -- Jul 10, Lightning/fire/Explosions, USN Lake Denmark Arsenal, Dover, NJ\textsuperscript{451} --21-22
77. 1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH\textsuperscript{452} -- 22
78. 1954 -- Mar 2, Boiler Explos./Fire, Fales & Gray Railroad Car Works, Hartford, CT -- 21
79. 1864 -- June 17, Explosion/fire, Washington Arsenal, Greenleaf Pt.,\textsuperscript{453} District of Col.-- 21
80. 1882 -- Feb 17, Explosion, Jackson Fireworks Plant, Chester, PA --15-21
81. 1904 -- Mar 02, Boiler Explodes, Hotel Darlington (under construct.), Manhattan, NY -- 21
82. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA\textsuperscript{454} -- 16
83. 1928 -- Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA\textsuperscript{455} --20-21
84. 1949 -- Dec 14, Natural Gas Explos., Swift & Co. Packing House, Sioux City, IA -- 21
85. 1956 -- Jan 17, Gasoline explosion/fire, SS Salem Maritime, terminal, Rose Bluff, LA\textsuperscript{456} --21
86. 1965 -- Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA\textsuperscript{457} -- 21
87. 1985 -- June 25, Fireworks Plant Explosion, Hallett, OK -- 21
88. 1866 -- April 16, Nitroglycerin explosion Wells Fargo building, San Francisco, CA --15-20
89. 1867 -- Nov 8, Boiler Explosion, Reese & Co. Rolling-Mill, Pitt Township, PA --17-20
90. 1879 -- Feb 22, Explosion, Thrashing Engine, Pump Exhibition, Stockton, CA -- 20
91. 1887 -- Apr 23, Boiler Explosion, Passaic Rolling Mills, Paterson, NJ -- 20
92. 1898 -- Feb 09, Fire & Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA\textsuperscript{458} --14-20
93. 1906 -- Sep 21, Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN -- 7-20
94. 1924 -- March 1, Nixon Nitration Works Explosion and Fire, Nixon, NJ -- 20

\textsuperscript{447} Cross-listed in Fire-Structural in that the fire came first, and when the powder blew, killed mostly firefighters.
\textsuperscript{448} Cross-listed in Rail and in Hazardous Materials.
\textsuperscript{449} Cross-listed in Rail and in Hazardous Materials.
\textsuperscript{450} Cross listed in Structural.
\textsuperscript{451} Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.
\textsuperscript{452} Cross-listed in Fire-Structural.
\textsuperscript{453} Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
\textsuperscript{454} Cross-listed in Fire-Structural.
\textsuperscript{455} Cross-listed in Fire-Structural.
\textsuperscript{456} Cross-listed in Hazardous Materials Transportation and in Maritime.
\textsuperscript{457} Cross-listed in Fire, Structural.
\textsuperscript{458} 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.
95. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI

96. 1976 -- Jan 10, Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE

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

97. 1904 -- Sep 10, Powder Mill Explosion, Fairchance, PA -- 19
98. 1930 -- May 08, Armour Meat Processing Plant Gas Explosion, St. Joseph, MO -- 19
99. 1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX -- 19
100. 1972 -- Dec 15, Gas Explosion, Koppers Steel/Coke Plant, Weirton, WV -- 19
101. 1847 -- Apr 14, Explosion, Du Pont Powder Works, Brandywine Ri., Wilmington, DE -- 18
102. 1878 -- May 02, Flour Dust Explosion/Fire, Washburne Flour Mills, Minneapolis MN -- 18
104. 1923 -- Dec 26, Fire, Illinois State Hospital for the Insane, Dunning, IL -- 18
105. 1926 -- Nov 19, Oil tanker Mantilla explos., Bethlehem Steel drydock, Sparrows Point, MD -- 18
106. 1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL -- 18
107. 1977 -- Dec 27, Dust Explosion, Farmers Export Grain Elevator, Galveston, TX -- 18
108. 1862 -- Mar 29, Samuel Jackson Cartridge Factory Explos., Tenth & Reed, Philly, PA -- 15-17
109. 1901 -- June 21, Fireworks Explos./Fire, Confectionery, Main Street, Paterson, NJ -- 17
110. 1902 -- Aug 20, Explosion, wood digesters, Delaware Pulp Mills, Wilmington, DE -- 17
111. 1903 -- Mar 09, Fire, Illinois State Hospital for the Insane, Dunning, IL -- 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, MA -- 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
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 -- Jul 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL -- 17
122. 1883 -- Aug 23, George-Whiting Paper Mill Fire & Explosion, Menasha, WI -- 16
123. 1892 -- Jun 13, Mil. Munitions Explo., USS Boston, Mare Isl. Navy Yard, CA -- 16
124. 1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA -- 16
125. 1978 -- Feb 24, Train Derailment, LPG Tank Car Explosion, Waverly, TN -- 16
126. 1860 -- Sep 21, Building falls during fire and explosion, New Orleans, LA -- 15

459 Cross-listed in Aviation
460 Cross-listed in Fire-Structural.
461 Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.
462 Cross-listed in Fire, Structural.
463 Cross-listed in Maritime.
464 Cross-listed in Fire, Structural.
465 Cross-listed in Rail.
466 Cross-listed in Maritime.
467 Cross-listed in Fire-Structural, because fires were started by the explosions.
468 Cross-listed in Maritime.
469 Cross listed in Maritime.
470 Cross listed in Hazardous Materials and in Rail.
471 Cross-listed in Fires-Structural.
127. 1890 -- Sep 06, Dynamite Explosion, No. Pacific Freight Yard, Spokane Falls, WA -- 15
128. 1895 -- May 21, Nitroglycerine Explosions, California Powder Works, Pinoles, CA -- 15
129. 1901 -- Dec 19, Blast Furnace Gas Explos., Jones & Laughlin Co., Pittsburgh, PA --10-15
130. 1902 -- Nov 04, Explosion of Fireworks, Madison Square, NY, NY -- 15
131. 1902 -- Nov 29, Boiler Explosion, Swift & Co. Power Plant, Chicago, IL --13-15
132. 1921 -- Jun 12, Lightning, Gasoline Storage Tank Explosion, Salt Lake City, UT -- 15
133. 1943 -- May 04, Explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
134. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV 473-15
135. 1948 -- Sep 07, Starch Dust Explosion, Candy Factory, Chicago, IL -- 15
138. 2005 -- Mar 23, BP America Refinery Explosion, Texas City, TX -- 15
139. 2013 -- Apr 17, Explosion, Adair Grain and West Fertilizer Co., West, TX -- 15

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

141. 1881 -- Jan 6, Big Puddle Boiler Explosion, Allentown Rolling Mill Co., PA --13-14
142. 1912 -- Nov 25, Dextrin Dust Explosion, Corn Products Co., Waukegan, IL -- 14
143. 1916 -- May 15, TNT Explosion, DuPont Co., Repauno Works., Gibbstown, NJ --11-14
144. 1917 -- Feb 02, Gas Explosion/Fire, Tenement Buildings, Chicago, IL 474 -- 14
145. 1917 -- Dec 05, TNT Explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA--8-14
146. 1919 -- Sep 13, Grain Dust Explosion, Grain Elevator, Kansas City, MO -- 14
147. 1928 -- Feb 10, Explosion and Fire, Beacon Oil Co. Refining Plant, Everett, MA 475 -- 14
148. 1932 -- Mar 09, Explosion, NJ Public Service Co. Gas Plant, South Camden, NJ -- 14
149. 1946 -- Feb 02, Explosion/Fire, Jennings Hall Home for Aged, Garfield Heights, OH-- 14
150. 1951 -- Feb 08, LPG Explos., Minnesota Mining/Mfg. Abrasives Fac, St. Paul, MN -- 14
151. 1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR 476 14
152. 1973 -- Feb 03, Nat. Gas Explosion, Coast-to-Coast Store, Eagle Grove, IA -- 14
153. 1891 -- May 19, Dynamite Explosion, Construction Train, near Tarrytown, NY 477 -- 13
154. 1891 -- Sep 24, Fireworks Mortar Explodes, Feast of St. Rocco Party, Newark, NJ -- >13
155. 1898 -- Apr 26, California Powder Works Explosions, near Santa Cruz, CA --11-13
156. 1901 -- Aug 19, Fire, Dynamite Explosion, M. & M. Roundhouse, ~Herkimer, NY -- 6-13
157. 1902 -- Feb 5, Gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL-11-13
158. 1910 -- May 17, Boiler Explosion, American Sheet and Tin Plate Co., Canton OH -- 13
160. 1921 -- Jan 24, Gasoline Explosion, Parked Rail Tank Car, Memphis, TN -- 13
161. 1940 -- Dec 17, Natural Gas Explos., Mercantile & Apartment Bldg., Cincinnati, OH-- 13
162. 1941 -- Dec 12, Explosion, Melt Unit, Iowa Ordnance Plant, Burlington, IA -- 13
163. 1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR 478

472 Cross listed in Lightning.
473 Cross-listed in Fire (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
474 Cross listed in Fires-Structural.
475 Cross-listed in Fires-Structural. Most deaths were from the explosion and a few from the resulting fire.
476 Cross-listed in Hazardous Materials Transportation.
477 Cross-listed in Rail.
478 Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.
164. 1973 -- Jul 5, PG Railcar Fire/Explosion, Propane, Doxel Gas Co., Kingman, AZ\textsuperscript{479} -- 13
165. 1976 -- Aug 12, Ethyl Benzene Explos., Tenneco Oil Refinery Tower, Chalmette, LA-- 13

**EXPLOSIONS -- Master Set -- Deadliest American -- By MORTALITY -- (Cont.)**

166. 1860 -- Sep 24, Boiler Explosion, W. W. Wallace Marble Works, Pittsburgh, PA -- 10-12
167. 1890 -- Mar 27, Starch Dust Explosion/Fire, Chicago Sugar Refinery, Chicago, IL -- 12
168. 1896 -- Sep 01, Powder Explosion, Hercules Powder Works, Pinole, CA -- 12
169. 1897 -- July 6, Wheat threshing machine boiler explosion, Hartsville area, TN -- 9-12
170. 1911 -- Feb 08, Boiler Explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
171. 1917 -- Jun 13, Sugar Dust Explosion and Fire, Sugar Refining Plant, Brooklyn, NY-- 12
172. 1919 -- Jan 07, Explosion and Fire, Film Exchange, Penn Ave., Pittsburgh, PA\textsuperscript{480} --10-12
173. 1919 -- Aug 04, Magazine Explosion, U.S. Arsenal, Raritan, NJ -- 7-12
174. 1923 -- May 09, Explosion/Fire, J.K. Hughes Co, McKie Oil Well, Corsicana, TX -- 12
175. 1943 -- Aug 19, Explosion, Naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ-- 12
176. 1944 -- Mar 13, Anti-Personnel Surface Mine Explosion, Camp Robinson, Ark. -- 12
177. 1945 -- May 25, Firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD -- 12
178. 1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO\textsuperscript{481}-- 12
180. 1953 -- Feb 12, Fire, Dynamite Explosion, Hercules Powder Co., near Pinole, CA -- 12
181. 1957 -- Dec 5, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA\textsuperscript{483}--12
182. 1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck, --Deer Lake, east PA\textsuperscript{484}--11-12
183. 1965 -- Aug 25, Explosions (26)/Fire, Du Pont Chemical Corp., near Louisville, KY\textsuperscript{485}-- 12
185. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM\textsuperscript{486} -- 12
186. 1862 -- Nov 7, Ammunition explosion, train car, near LaFouche station, Algiers,\textsuperscript{487} LA--11
187. 1889 -- Feb 25, Powder Explosion, Squib (Mining Fuse) Factory, Plymouth, PA -- 11
188. 1901 -- Aug 18, Blast Furnace Explosion, National Steel Co., Youngstown, OH -- 9-11
189. 1903 -- Apr 23, Northwestern Star Oil Plant Explosion, Minneapolis, MN --10-11
190. 1904 -- Mar 31, Explosion, Dickson Squib Factory, Priceburg, PA -- 11
191. 1906 -- June 9, Dynamite Explosion, Dynamite Plant, Bausman’s Hollow, PA -- 11
192. 1910 -- July 10, Artillery Explosion, Fort Monroe, VA -- 11
193. 1916 -- July 2, Powder Explosion, Aetna Explosives Co., Emporium, PA -- 11
194. 1924 -- Aug 28, Explosion, Ammonia Refrigeration Tank, Grocery, Des Moines, IA\textsuperscript{488}-- 11
195. 1924 -- Aug 29, Gasoline Tank Explosion, People’s Natural Gas, Pittsburgh, PA -- 11
196. 1935 -- Oct 07, Gas Explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
197. 1942 -- Nov 06, Gunpowder explosion, Rochester Fire Works Co., East Rochester, NY--11

\textsuperscript{479} Cross-listed in Rail.
\textsuperscript{480} Cross-listed in Fire-Structural.
\textsuperscript{481} Cross-listed in Fire-Structural.
\textsuperscript{482} Cross-listed in Maritime.
\textsuperscript{483} Cross-listed in Fire-Structural -- there were fatalities from the explosion and from the resulting fire.
\textsuperscript{484} Cross-listed in Road/Highway.
\textsuperscript{485} First explosion caused eleven deaths. Twelfth death was from burns several days later.
\textsuperscript{486} Cross-listed in Fire-Structural, and in Structural Failures.
\textsuperscript{487} Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.
\textsuperscript{488} Ten of the eleven died after the explosion from exposure to the ammonia fumes.
198. 1943 -- Mar 24, Fragmentation bombs explos., Portage Ordnance Depot, Portage, OH-- 11
199. 1944 -- Dec 05, Torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK -- 11
200. 1947 -- July 29, Butane Gas Explos./fire, Pauline’s Beauty School, Harrisonburg, VA 489 -- 11
201. 1953 -- Sep 23, Explosion, Organic Peroxides Plant, Tonawanda, NY -- 11
202. 1954 -- July 16, Explos./explos., Kent Defense/Fireworks Mfg., Chestertown, MD-- 11
204. 1966 -- Jan 28, Paramount Hotel Gas Explosion and Fire, Boston, MA 490 -- 11
205. 1967 -- Feb 15, Explosion, Lone Star Army Ammunition Plant, ~Texarkana, TX -- 11
206. 1967 -- Feb 17, Starch Dust Explosion, Fire, Int. Latex Corp., Hawthorne, NJ -- 11
207. 1980 -- July 24, Chem. Explos./Fire, Vogue Metal Crafts/Metgal Mfg., Queens NY 491 -- 11
208. 1989 -- Oct 3, F/V Northumberland ruptures NG pipeline/explosion/fire ~Sabine Pass, TX 492 -- 11
209. 2010 -- Apr 20, Drill Rig Deepwater Horizon Explosion, Gulf of Mex., ~50m, LA 493 -- 11

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

210. 1865 -- Jun 9, Ordnance Building Explosion/Fire, Train sparks, Chattanoog, TN 494-- ~10
211. 1866 -- Sep 12, Boiler Explosion, S&G Rork Sawing Mill, Albany, NY -- 10
212. 1873 -- Jun 29, Powder Explos., McLaughlin & Root Building, Virginia City NV -- 10
213. 1886 -- July 02, Powder Explosion, Atlantic Powder Works, near Drakesville, NJ -- 10
214. 1887 -- Nov 1, Explosion/fire, Newman’s Grocery Store/Tenement, St. Louis, MO -- 8-10
215. 1894 -- Apr 07, Fireworks Factory Explosion, Petersburg, VA
216. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI 495 -- 10
217. 1898 -- Sep 20, Grain Dust Explosion, Grain Elevator, Toledo, OH -- 10
218. 1900 -- July 04, Fireworks Explosion (children), Eighth Street, Philadelphia, PA -- 7-10
219. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY 496 --7->10
220. 1901 -- Mar 11, Boiler Explos., Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10
221. 1903 -- Apr 30, Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA-- 10
222. 1908 -- Aug 10, Boiler Explosion, Susquehanna Iron & Steel Co., York, PA -- 10
223. 1910 -- Dec 19, Train Crash/Gas Explosion, Grand Central Station yard, NY 497 -- 10
224. 1911 -- Feb 06, Explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI -- 10
225. 1914 -- May 15, Chemical Explosion, Mexican Crude Rubber Co., Detroit, MI -- 10
226. 1916 -- Feb 16, Gas Explos., Opera House collapses on Hitt Restaurant, Mexia, TX -- 9-10
227. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH -- 9-10
228. 1919 -- Nov 17, Oil Explosion, Oil Tank, Standard Oil Co., Hays, KS -- 10
229. 1930 -- Apr 03, Explosions, Pennsylvania Fireworks Display Company, Devon, PA -- 10
230. 1932 -- Apr 14, Natural Gas Explosion, State Office Building, Columbus, OH -- 10
231. 1933 -- Jun 02, Oil Explosion, Richfield Meandor Oil Refinery, Long Beach, CA -- 10

489 Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.
490 Cross-listed in Fire, Structural
491 Cross-listed in Fire, Structural
492 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.
493 Cross-listed in Maritime
494 Cross-listed in Fire, Structural
495 Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.
496 Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).
497 Cross-listed in Rail.
232. 1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY 498-- 10
233. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ -- 10
234. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI -- 10
235. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE -- 9-10
236. 1944 -- Nov 21, Car/Truck Collide, Butane Gas Tank Truck Explo., Denison, TX 499-- 10
237. 1946 -- June 21, Explosion (postulated as natural gas), Baker Hotel, Dallas, TX -- 10
238. 1953 -- Jan 27, Butane gas line leak explosion & fire, Jones Electric Co., Aiken, SC 500 -- 10
239. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY 501--10
240. 1957 -- Jan 29, Vapor Expl., Tanker Jeanny, Todd’s Shipyards, Alameda, CA 502 -- 10
242. 1960 -- July 18, Explosion (gas) and Fire, J.C. Penney Co. Dept. Store, Merrill, WI -- 10
243. 1962 -- May 10, Explosion, Chemical Reactor (Acrylic Polyamide), Toledo, OH -- 10
244. 1962 -- July 25, Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY 503--10

EXPLOSIONS – Master Set -- By MORTALITY -- (continued)

Other:
1903 -- Mar 31, Blast Furnace Explos., 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 504 -- 8-9
1945 -- May 26, Explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE -- 9
1946 -- July 18, Butane Gas Explosion, Christy’s Spa & 3 frame buildings, Onset, MA -- 9
1954 -- Mar 19, Kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV 505 -- 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 TN 506 -- 9
1901 -- Aug 5, gasoline tank explosion, grocery store cellar, Locust Street, Philadelphia PA-- 8
1921 -- March 18, Explosion of Fireworks, West & Co Warehouse, Chicago, IL -- 8
1940 -- Nov 28, Natural Gas explosion & fire, R. Gilbert Warehouse, Toppenish, WA -- 8
1943 -- Nov 16, Mines Explode, Warehouse, Naval Mine Depot, Yorktown, VA -- 7-8
1944 -- Apr 06, Explosion, Naval Ammunition Depot, near Hastings, NE -- 8
2010 -- Sep 9, Explosion and Fire, Pacific Gas & Electric Pipeline, 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 507 -- 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, NC 508 -- 7

498 Cross-listed in Fire-Structural. Do not have a breakout of deaths due to explosion as opposed to follow-on fire.
499 Cross-listed in Hazardous Materials and in Road/Highway Vehicle Events.
500 Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.
501 Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.
502 Cross-listed in Maritime.
503 Cross-listed in Road/Highway Vehicle Events.
504 Cross-listed in Hazardous Materials and in Road/Highway.
505 Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.
506 Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events.
507 When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.
1946 -- Feb 19, Natural Gas Explosion & Fire, Apartment Building, New Orleans, LA -- 7
1954 -- Apr 10, Explosion, kerosene put in home stove, fire, Columbia, AL
1963 -- March 29, Natural Gas leak explosion, Supreme Cleaners, Tucson, AZ -- 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/Fire, CTA Acoustics, Corbin, Laurel County, KY -- 7
2010 -- April 2, Explosion (heat exchanger), Tesoro Refinery, Anacortes, WA -- 7
2013 -- Mar 18, Mortar explosion, Marines, Hawthorne US Army munitions depot, NV -- 7

EXPLOSIONS – Master Set -- By MORTALITY -- (continued)

1897 -- March 4, Natural Gas Explosion, Tremont and Boylston Sts. Boston, MA -- 6
1949 -- April 10, Explosion, propane gas furnace leak, St. Mary’s Church, Marion, SD -- 6
1954 -- Apr 03, Explosion/fire, kerosene poured in home stove, Glouster, OH -- 6
1959 -- Aug 18, Service Station Fire/gasoline storage tank explosion, Kansas City, KS -- 6
1999 -- Feb 1, 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 3, Boiler Explosion, Dusard Brothers’ Saw Mill, near Fayetteville, IN -- 5
1892 -- May 21, Explosion and Fire, Aetna Pyrotechnic (Fireworks) Co., Hartford, CT -- 5
1999 -- March 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

508 The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield. Cross-listed in Highway events.
509 Cross-listed in Fire-structural.
510 Cross-listed in Fire-structural.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1818</td>
<td>Mar 19</td>
<td>Du Pont Gun Powder Mill Explosion, Brandywine, DE</td>
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<tr>
<td>1829</td>
<td>Jun 4</td>
<td>Magazine Explos., Steam Frigate Fulton, Navy Yard, Brooklyn, NY</td>
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<tr>
<td>1841</td>
<td>Aug 20</td>
<td>Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY</td>
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<td>1845</td>
<td>July 19</td>
<td>Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC</td>
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<td>1847</td>
<td>Apr 14</td>
<td>Explosion, Du Pont Powder Works, Brandywine Ri., Wilmington, DE</td>
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<tr>
<td>1850</td>
<td>Feb 04</td>
<td>Boiler Explosion, Taylor &amp; Co., Hague St., Manhattan, NY</td>
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<tr>
<td>1854</td>
<td>Mar 02</td>
<td>Boiler Explosion/Fire, Fales &amp; Gray RR Car Works, Hartford, CT</td>
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<tr>
<td>1860</td>
<td>Sep 21</td>
<td>Building falls during fire and explosion, New Orleans, LA</td>
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<tr>
<td>1860</td>
<td>Sep 24</td>
<td>Boiler Explosion, W. W. Wallace Marble Works, Pittsburgh, PA</td>
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<td>1862</td>
<td>Mar 29</td>
<td>Samuel Jackson Cartridge Factory Explos., Tenth &amp; Reed, Philly, PA</td>
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<td>1862</td>
<td>Sep 17</td>
<td>Allegheny Arsenal Explosion &amp; Fire, Lawrenceville/Pittsburgh, PA</td>
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<tr>
<td>1862</td>
<td>Nov 05</td>
<td>Explosion, Munitions “Laboratory” Arsenal, Jackson, MS</td>
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<tr>
<td>1862</td>
<td>Nov 7</td>
<td>Ammunition explosion, train car, near Lafourche station, Algiers</td>
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<tr>
<td>1863</td>
<td>March 13</td>
<td>Explosion, Confederate Ordnance Lab., Brown’s Isl., Richmond VA</td>
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<tr>
<td>1864</td>
<td>May 26</td>
<td>Torpedo Mine Explos., Bachelor’s Creek Station ~New Bern, NC</td>
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<tr>
<td>1864</td>
<td>June 17</td>
<td>Explosion/fire, Washington Arsenal, Greenleaf Pt., District of Col.</td>
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<tr>
<td>1864</td>
<td>July 30</td>
<td>Federal Powder Explosion underneath Rebel Redoubt, Petersburg, VA</td>
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<tr>
<td>1865</td>
<td>Feb 18</td>
<td>Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC</td>
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<tr>
<td>1865</td>
<td>May 25</td>
<td>Mobile Magazine Explosion, Mobile, AL</td>
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<tr>
<td>1866</td>
<td>April 16</td>
<td>Nitroglycerin explosion Wells Fargo building, San Francisco, CA</td>
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<tr>
<td>1866</td>
<td>Sep 12</td>
<td>Boiler Explosion, S&amp;G Rork Sawing Mill, Albany, NY</td>
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<tr>
<td>1867</td>
<td>June 6</td>
<td>Geasy &amp; Ward’s Cabinet Makers Boiler Explosion &amp; Fire, Philly, PA</td>
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<tr>
<td>1867</td>
<td>Nov 08</td>
<td>Boiler Explosion, Reese &amp; Co. Rolling-Mill, Pitt Township, PA</td>
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<tr>
<td>1869</td>
<td>Oct 01</td>
<td>Boiler Explosion, Power Hall, State Fair, Indianapolis, IN</td>
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<tr>
<td>1873</td>
<td>Jun 29</td>
<td>Powder Explos., McLaughlin &amp; Root Building, Virginia City NV</td>
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<tr>
<td>1878</td>
<td>May 02</td>
<td>Flour Dust Explosion/Fire, Washburne Flour Mills, Minneapolis MN</td>
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<tr>
<td>1879</td>
<td>Feb 22</td>
<td>Explosion, Thrashing Engine, Pump Exhibition, Stockton, CA</td>
</tr>
</tbody>
</table>

Cross-listed in Maritime.
Cross-listed in Fire-Structural in that the fire came first, and when the powder blew, killed mostly firefighters.
Cross-listed in Fire.
Cross-listed under Fire, Structural.
Cross-listed in Fires, Structural.
Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.
Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.
Cross-listed in Fire, Structural.
29. 1880 -- Apr 16, Explosion, Giant Powder Works, Berkeley, CA  --22-27
30. 1881 -- Jan 6, Big Puddle Boiler Explosion, Allentown Rolling Mill Co., PA  --13-14
31. 1882 -- Feb 17, Explosion, Jackson Fireworks Plant, Chester, PA  --15-21
32. 1883 -- Jan 21, Explosions, Giant Powder-Works, Point Clement, ~Oakland, CA  --30-40
33. 1883 -- Aug 23, George-Whiting Paper Mill Fire & Explosion, Menasha, WI  -- 16
34. 1883 -- Sep 28, Explosion, California Powder Works, Pinole, CA  -- 41
35. 1886 -- July 02, Powder Explosion, Atlantic Powder Works, near Drakesville, NJ  -- 10
36. 1887 -- Apr 23, Boiler Explosion, Passaic Rolling Mills, Paterson, NJ  -- 20
37. 1887 -- Nov 1, Explosion/fire, Newman’s Grocery Store/Tenement, St. Louis, MO  -- 8-10
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/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, NY  -- 13
1891 -- June 3, Boiler Explosion, Dusard Brothers’ Saw Mill, near Fayetteville, IN  -- 5
44. 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
45. 1892 -- Jun 13, Mil. Munitions Explo., USS Boston, Mare Isl. Navy Yard, CA  --14-16
46. 1894 -- Apr 07, Fireworks Factory Explosion, Petersburg, VA  -- 10
47. 1895 -- Jan 15, Fire/Dynamite Explosions, Kenyon-Connell Warehouse, Butte, MT  -- 57
48. 1895 -- May 21, Nitroglycerine Explosions, California Powder Works, Pinole, CA  -- 15
49. 1895 -- Aug 19, Boiler Explosion/Fire, Gumry Hotel, Denver, CO  -- 25
50. 1895 -- Nov 06, Evening Journal Building Boiler Explosion/Fire, Detroit, MI  --37-40
51. 1896 -- Sep 1, Powder Explosion, Hercules Powder Works, Pinole, CA  -- 12
1897 -- March 4, Natural Gas Explosion, Tremont and Boylston Sts. Boston, MA  -- 6
52. 1897 -- July 6, Wheat thrashing machine boiler explosion, Hartsville area, TN  -- 9-12
53. 1898 -- Feb 9, Fire & Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA  --14-20
54. 1898 -- Feb 15, Battleship USS Maine Magazine Explos., Havana Hbr., Cuba  --263-268
55. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI  -- 10
56. 1898 -- Apr 26, California Powder Works Explosions, near Santa Cruz, CA  --11-13
57. 1898 -- Sep 20, Grain Dust Explosion, Grain Elevator, Toledo, OH  -- 10

58. 1900 -- July 04, Fireworks Explosion (children), Eighth Street, Philadelphia, PA  -- 7-10
59. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY  --7->10

520 Cross-listed in Fire, Structural.
521 Cross-listed in Rail.
522 Cross-listed in Maritime.
523 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.
524 Cross-listed under Maritime.
525 Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.
526 Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).
60. 1901 -- March 11, Boiler Explos., Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10
61. 1901 -- June 21, Fireworks Exp./Fire, Confectionery, Main Street, Paterson, NJ -- 17
   1901 -- Aug 5, gasoline tank explosion, grocery store cellar, Locust st. Philadelphia PA-- 8
62. 1901 -- Aug 18, Blast Furnace Explosion, National Steel Co., Youngstown, OH -- 9-11
63. 1901 -- Aug 19, Fire, Dynamite Explosion, M. & M. Roundhouse, ~Herkimer, NY -- 6-13
64. 1901 -- Nov 26, Boiler Explosion and Fire, Penberthy Injector Co., Detroit, MI --29-30
65. 1901 -- Dec 19, Blast Furnace Gas Explos., Jones & Laughlin Co., Pittsburgh, PA --10-15

EXPLOSIONS -- Master Set – Deadliest American -- CHRONOLOGICAL – Cont.

66. 1902 -- Feb 05, Gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL --11-13
67. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA527 --20-29
68. 1902 -- Aug 20, Explosion, wood digester, Delaware Pulp Mills, Wilmington, DE -- 17
69. 1902 -- Nov 04, Explosion of Fireworks, Madison Square, NY, NY -- 15
70. 1902 -- Nov 29, Boiler Explosion, Swift & Co. Power Plant, Chicago, IL --13-15

71. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY528 -- 17
   1903 -- Mar 31, Blast Furnace Explos., Edgar Thomson Plant, Braddock, PA -- 9
72. 1903 -- Apr 23, Northwestern Star Oil Plant Explosion, Minneapolis, MN --10-11
73. 1903 -- Apr 30, Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA -- 10
74. 1903 -- Jul 29, Powder/Dynamite Explos./Fire, U.S. Cartridge, Tewksbury, MA --20-22

75. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV529 -- 24
76. 1904 -- Mar 02, Boiler Exploses, Hotel Darlington (under construct.), Manhattan, NY-- 21
77. 1904 -- Mar 31, Explosion, Dickson Squib Factory, Priceburg, PA -- 11
78. 1904 -- Apr 13, Magazine Explosion, Battleship Missouri, off Pensacola, FL530 --32-34
79. 1904 -- Sep 10, Powder Mill Explosion, Fairchance, PA -- 19

80. 1905 -- Mar 20, Boiler Explos./Fire, Grover & Co. Shoe Factory, Brockton, MA531 -- 58
81. 1905 -- May 11, Trains Collide, Blasting Powder Explosion, Fire, S. Harrisburg PA532-- 23
82. 1905 -- Sep 10, Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA --19-25

83. 1906 -- Jun 09, Dynamite Explosion, Dynamite Plant, Bausman’s Hollow, PA -- 11
84. 1906 -- Sep 21, Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN -- 7-20

85. 1907 -- Jan 09, Explosion, Eliza Furnaces, Jones & Laughlin Steel, Pittsburgh, PA --12-34
86. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN533 --29-34
87. 1907 -- Oct 15, Powder Explosion, DuPont Powder Mill, Fontanet, IN -- 27

88. 1908 -- Feb 20, Nitroglycerin Explosion, Hercules Powder Works, Pinole, CA --28-30

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527 Cross-listed in Rail.
528 Cross-listed in Rail.
529 Cross-listed in Rail and in Hazardous Materials.
530 Cross-listed in Maritime.
531 Cross-listed under Fire.
532 Cross-listed in Rail and in Hazardous Materials.
533 Cross-listed in Rail.
89. 1908 -- Aug 10, Boiler Explosion, Susquehanna Iron & Steel Co., York, PA -- 10
90. 1908 -- Oct 07, Dust Explosion and Fire, Grain Elevator, Richford, VT -- 17

EXPLOSIONS -- Master Set – Deadliest American -- CHRONOLOGICAL – Cont.

91. 1909 -- Jan 20, Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~ Chicago, IL -- 53
92. 1910 -- May 17, Boiler Explosion, American Sheet and Tin Plate Co., Canton OH -- 13
93. 1910 -- July 10, Artillery Explosion, Fort Monroe, VA -- 11
94. 1910 -- Dec 19, Train Crash/Gas Explosion, Grand Central Station yard, NY 534 -- 10
95. 1910 -- Dec 29, Boiler explosion, Morewood Lake Ice Co., south of Pittsfield, MA -- 17
96. 1911 -- Feb 01, Dynamite Explosion, Central Rail of NJ Terminal, Communipaw, NJ -- 24-35
97. 1911 -- Feb 06, Explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI -- 10
98. 1911 -- Feb 08, Boiler Explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
100. 1912 -- Mar 18, Boiler explosion, train engine, So. Pacific Yard, San Antonio TX 535 -- 36
101. 1912 -- Nov 25, Dextrin Dust Explosion, Corn Products Co., Waukegan, IL -- 14
102. 1913 -- March 7, Harbor/Ship (Alum Chine) Dynamite Explosion, Baltimore, MD 536 -- 55
103. 1913 -- June 24, Dust Explosion, Husted Milling Feed Plant, Buffalo, NY -- 33
104. 1914 -- May 15, Chemical Explosion, Mexican Crude Rubber Co., Detroit, MI -- 10
105. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK 537 -- 40-44
107. 1916 -- Feb 16, Gas Explos., Opera House collapses on Hitt Restaurant, Mexia, TX -- 9-10
108. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH -- 9-10
109. 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
110. 1916 -- July 2, Powder Explosion, Aetna Explosives Co., Emporium, PA -- 11
111. 1917 -- Feb 02, Gas Explosion/Fire, Tenement Buildings, Chicago, IL 538 -- 14
112. 1917 -- Apr 10, Artillery Shell Munitions Plant Explosion, Eddystone, PA -- 133
113. 1917 -- Jun 13, Sugar Dust Explosion and Fire, Sugar Refining Plant, Brooklyn, NY -- 12
114. 1917 -- Dec 05, TNT Explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA -- 8-14
115. 1918 -- May 18, Aetna Chemical Co. Munitions Plant Explosion, Oakdale, PA -- 193
116. 1918 -- July 02, Semet-Solvay Co. TNT Plant Fire, Explosion, Fire, Split Rock, NY -- 50
117. 1918 -- Oct 04, Gillespie Co., Shell Loading Plant Explosion, Sayreville, NJ -- 100

534 Cross-listed in Rail.
535 Cross-listed in Rail.
536 Cross-listed under Maritime.
537 Cross-listed in Hazardous Materials and in Rail.
538 Cross listed in Fires, Structural.
118. 1919 -- Jan 07, Explosion and Fire, Film Exchange, Penn Ave., Pittsburgh, PA --10-12
1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK --8-9
119. 1919 -- May 22, Dust Explosion/Fire, Douglas Starch Works, Cedar Rapids, IA --40-48
120. 1919 -- Aug 04, Magazine Explosion, U.S. Arsenal, Raritan, NJ -- 7-12
121. 1919 -- Sep 13, Grain Dust Explosion, Grain Elevator, Kansas City, MO -- --
122. 1919 -- Nov 17, Oil Explosion, Oil Tank, Standard Oil Co., Hays, KS -- 10
123. 1919 -- Nov 22, Stove Expls./Fire/Crushing, Dance Hall/Store, Ville Platte LA --25-28

EXPLOSIONS -- Master Set – Deadliest American -- CHRONOLOGICAL -- Cont.

125. 1921 -- Jan 24, Gasoline Explosion, Parked Rail Tank Car, Memphis, TN -- 13
121 -- March 18, Explosion of Fireworks, West & Co Warehouse, Chicago, IL -- 8
126. 1921 -- Jun 12, Lightning, Gasoline Storage Tank Explosion, Salt Lake City, UT -- 15
127. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA --
128. 1923 -- May 09, Explosion/Fire, J.K. Hughes Co, McKie Oil Well, Corsicana, TX -- 12
129. 1923 -- Dec 26, Fire, Illinois State Hospital for the Insane, Dunning, IL -- 18
130. 1924 -- Jan 03, Starch Dust Explosion, Corn Products Refining Co., 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, IA -- 11
134. 1924 -- Aug 29, Gasoline Tank Explosion, People’s Natural Gas, Pittsburgh, PA -- 11
135. 1926 -- Jul 10, Lightning/fire/Explos., USN Lake Denmark Arsenal, Dover, NJ --21-22
136. 1926 -- Nov 19, Oil tanker Mantilla explos., Bethlehem Steel drydock, Sparrows Point, MD --18
1927 -- Jan 26, Gas explosion, Mormon recreation hall, basketball game, Turner, ID -- 7
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, MA -- 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, OK -- 7

539 Cross-listed in Fire.
540 Cross-listed in Hazardous Materials and in Road/Highway.
541 Cross-listed in Fires/Structural and in Violence/Trampling.
542 Cross listed in Lightning.
543 Cross-listed in Fire-Structural.
544 Ten of the eleven died after the explosion from exposure to the ammonia fumes.
545 Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.
546 Cross-listed in Maritime.
547 Cross-listed in Fires-Structural. Most deaths were from the explosion and a few from the resulting fire.
548 Cross-listed in Fire-Structural.
146. 1933 -- June 2, Oil Explosion, Richfield Meandor Oil Refinery, Long Beach, CA -- 10
147. 1934 -- June 4, Dynamite explodes, Petty Geophysics Engineering crew, ~Norman, OK-- 7
148. 1935 -- Oct 07, Gas Explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
149. 1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY\textsuperscript{550} -- 10
150. 1937 -- March 18, Natural Gas explosion, consolidated school, New London, TX--311-319

**EXPLOSIONS** -- **Master Set** – **Deadliest American** -- **CHRONOLOGICAL** -- Cont.

151. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ -- 10
152. 1940 -- Sep 12, Hercules Powder/Munitions Co. Explosion, Kenvil, NJ -- 52
153. 1940 -- Nov 28, Natural Gas explosion & fire, R. Gilbert Warehouse, Toppenish, WA-- 8
154. 1940 -- Dec 17, Natural Gas Explos., Mercantile & Apartment Bldg., Cincinnati, OH-- 13
155. 1941 -- Dec 12, Explosion, Melt Unit, Iowa Ordnance Plant, Burlington, IA -- 13
156. 1942 -- Mar 04, Explosion, Iowa Ordnance Plant, Burlington, IA -- 22
157. 1942 -- Mar 07, Car and ammo truck collide, fire, delayed explosion, ~Selma, NC\textsuperscript{551}-- 7
158. 1942 -- June 5, Explosion, Elwood Ordnance Plant, Joliet, IL --48-52
159. 1942 -- Nov 06, Gunpowder explosion, Rochester Fire Works Co., East Rochester, NY--11
160. 1943 -- Mar 24, Fragmentation bombs explos., Portage Ordnance Depot, Portage, OH-- 11
161. 1943 -- May 04, Explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
162. 1943 -- July 12, Nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL-- 17
163. 1943 -- Aug 19, Explosion, Naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ-- 12
164. 1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA --26-40
165. 1943 -- Nov 16, Mines Explode, Warehouse, Naval Mine Depot, Yorktown, VA -- 7-8
166. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI\textsuperscript{552} -- 20
167. 1944 -- Mar 13, Anti-Personnel Surface Mine Explosion, Camp Robinson, Ark. -- 12
168. 1944 -- Apr 06, Explosion, Naval Ammunition Depot, near Hastings, NE -- 8
169. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA\textsuperscript{553}-- 17
170. 1944 -- May 21, Munitions Explosion, West Loch, Pearl Harbor, HI -- 163
171. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI -- 10
172. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA\textsuperscript{554} --320-325
173. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE -- 9-10
174. 1944 -- Oct 20, LNG tank explosions/fire, East Ohio Gas Co., Cleveland, OH\textsuperscript{555} --128-136
175. 1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA\textsuperscript{556} -- 16
176. 1944 -- Nov 10, Explosion, USS *Mount Hood*, Seeadler Harbor, Manus Island\textsuperscript{557} --372-378

\textsuperscript{550} When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.
\textsuperscript{551} Cross-listed in Fire-Structural. Do not have a breakout of deaths due to explosion as opposed to follow-on fire.
\textsuperscript{552} The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield. Cross-listed in Highway events.
\textsuperscript{553} Cross-listed in Aviation
\textsuperscript{554} Cross-listed in Maritime.
\textsuperscript{555} Cross-listed under Maritime.
\textsuperscript{556} Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses
\textsuperscript{557} Cross listed in Maritime.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1944</td>
<td>Nov 21</td>
<td>Car/Truck Collide, Butane Gas Tank Truck Exp., Denison, TX</td>
<td></td>
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<tr>
<td>1944</td>
<td>Dec 05</td>
<td>Torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK</td>
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<td><strong>EXPLOSIONS -- Master Set -- Deadliest American -- CHRONOLOGICAL -- Cont.</strong></td>
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<tr>
<td>1945</td>
<td>May 25</td>
<td>Firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD</td>
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<td>12</td>
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<tr>
<td>1945</td>
<td>May 26</td>
<td>Explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE</td>
<td></td>
<td>9</td>
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<tr>
<td>1946</td>
<td>Feb 02</td>
<td>Explosion/Fire, Jennings Hall Home for Aged, Garfield Heights, OH</td>
<td></td>
<td>14</td>
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<tr>
<td>1946</td>
<td>Feb 19</td>
<td>Natural Gas Explosion &amp; Fire, Apartment Building, New Orleans, LA</td>
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<tr>
<td>1946</td>
<td>June 21</td>
<td>Explosion (postulated as natural gas), Baker Hotel, Dallas, TX</td>
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<tr>
<td>1946</td>
<td>July 18</td>
<td>Butane Gas Explosion, Christy’s Spa &amp; 3 frame buildings, Onset, MA</td>
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<tr>
<td>1947</td>
<td>Feb 20</td>
<td>Chemical Explosion, O’Connor Electroplating Works, Los Angeles CA</td>
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<tr>
<td>1947</td>
<td>Apr 02</td>
<td>Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO</td>
<td></td>
<td>12</td>
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<tr>
<td>1947</td>
<td>Apr 16-17</td>
<td>Ammonium Nitrate Explosion, <em>Grandcamp</em>, Texas City, TX</td>
<td></td>
<td>10-12</td>
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<tr>
<td>1947</td>
<td>Jul 29</td>
<td>Butane Gas Explos./fire, Pauline’s Beauty School, Harrisonburg, VA</td>
<td></td>
<td>11</td>
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<tr>
<td>1947</td>
<td>Dec 25</td>
<td>Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV</td>
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<tr>
<td>1948</td>
<td>Sep 07</td>
<td>Dust Explosion, E.J. Brach &amp; Sons Candy Factory, Chicago, IL</td>
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<td>1948</td>
<td>Sep 07</td>
<td>Starch Dust Explosion, Candy Factory, Chicago, IL</td>
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<tr>
<td>1949</td>
<td>Apr 10</td>
<td>Explosion, propane gas furnace leak, St. Mary’s Church, Marion, SD</td>
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<tr>
<td>1949</td>
<td>Dec 14</td>
<td>Natural Gas Explos., Swift &amp; Co. Packing House, Sioux City, IA</td>
<td></td>
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<tr>
<td>1950</td>
<td>May 19</td>
<td>Munitions Explosion, Raritan River Pier, South Amboy, NJ</td>
<td></td>
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<tr>
<td>1951</td>
<td>Feb 08</td>
<td>LPG Exp., Minnesota Mining/Mfg. Abrasives Fac, St. Paul, MN</td>
<td></td>
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<tr>
<td>1951</td>
<td>Sep 17</td>
<td>Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL</td>
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<tr>
<td>1953</td>
<td>Jan 27</td>
<td>Butane gas line leak explosion &amp; fire, Jones Electric Co., Aiken, SC</td>
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<tr>
<td>1953</td>
<td>Feb 12</td>
<td>Fire, Dynamite Explosion, Hercules Powder Co., near Pinole, CA</td>
<td></td>
<td>12</td>
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<tr>
<td>1953</td>
<td>Apr 16</td>
<td>Aluminum Dust Exp./Fire, Haber Corp. Metalworking, Chic., IL</td>
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<tr>
<td>1953</td>
<td>Sep 23</td>
<td>Explosion, Organic Peroxides Plant, Tonawanda, NY</td>
<td></td>
<td>11</td>
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<tr>
<td>1954</td>
<td>Mar 19</td>
<td>Kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV</td>
<td></td>
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<tr>
<td>1954</td>
<td>Apr 03</td>
<td>Explosion/fire, kerosene poured in home stove, Glouster, OH</td>
<td></td>
<td>6</td>
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<tr>
<td>1954</td>
<td>Apr 10</td>
<td>Explosion, kerosene put in home stove, fire, Columbia, AL</td>
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</tbody>
</table>

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557 Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea
558 Cross-listed in Hazardous Materials and in Highway/Vehicular.
559 Cross-listed in Fire-Structural.
560 Cross-listed in Maritime.
561 Cross-listed in Maritime.
562 Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.
563 Cross-listed in Fire (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
564 Cross-listed in Fire, Structural.
565 Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.
566 Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.
567 Cross listed in Fire-structural.
193. 1954 -- July 16, Explos./fire/explos., Kent Defense/Fireworks Mfg., Chestertown, MD-- 11
195. 1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR 13
196. 1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH 22
197. 1956 -- Jan 17, Gasoline explosion/fire, SS Salem Maritime, terminal, Rose Bluff, LA 21
198. 1956 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH -- 22
199. 1956 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR 569
201. 1956 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR 570
203. 1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX 19
204. 1956 -- Aug 13, Explosion, Liquefied Petroleum Gas, Lariat Café, Monticello, UT -- 15
205. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY -- 10
206. 1957 -- Jan 29, Vapor Expls., Tanker Jeanny, Todd’s Shipyard, Alameda, CA 574
207. 1957 -- Dec 5, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA 575
209. 1957 -- June 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA 576
210. 1957 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR 577
214. 1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA 578
215. 1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR 579
216. 1959 -- Aug 18, Service Station Fire/gasoline storage tank explosion, Kansas City, KS -- 6

EXPLOSIONS -- Master Set – Deadliest American -- CHRONOLOGICAL – Cont.

206. 1960 -- July 18, Explosion (gas) and Fire, J.C. Penney Co. Dept. Store, Merrill, WI -- 10
207. 1960 -- Oct 04, Explosion, Tenn. Eastman Chemical, Aniline Plant, Kingsport, TN -- 15
208. 1962 -- May 10, Explosion, Chemical Reactor (Acrylic Polyamide), Toledo, OH -- 10
209. 1962 -- July 25, Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY 578
210. 1962 -- Oct 03, Boiler Explosion, NY Telephone Co. Office, Manhattan, NY -- 23
211. 1963 -- Jan 02, Home Meat Packing Co. Natural Gas Explosion, Terre Haute, IN -- 17
212. 1963 -- March 29, Natural Gas leak explosion, Supreme Cleaners, Tucson, AZ -- 7
213. 1963 -- Oct 31, Bottled Propane Gas Tank Explosion, Indianapolis Coliseum, IN --74-75
214. 1965 -- Mar 04, Explosion/Fire, Natural Gas Pipeline, residential Natchitoches, LA -- 17
215. 1965 -- Aug 25, Explosions (26)/Fire, Du Pont Chemical Corp., near Louisville, KY 579
216. 1965 -- Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA 580
217. 1966 -- Jan 28, Paramount Hotel Gas Explosion and Fire, Boston, MA 581
218. 1966 -- Feb 15, Explosion, Lone Star Army Ammunition Plant, ~Texarkana, TX -- 11
219. 1966 -- Feb 17, Starch Dust Explosion, Fire, Int. Latex Corp., Hawthorne, NJ -- 11
220. 1967 -- July 29, Rocket Explosion and Fire, USS Forrestal, Gulf of Tonkin ops. 582
221. 1968 -- Jan 10, Natural Gas Explosion Demolishes two adjoining Homes, Reading, PA -- 9

568 Cross-listed in Fire-structural.
569 Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.
570 Cross-listed in Fire-Structural.
571 Cross-listed in Hazardous Materials Transportation and in Maritime.
572 Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.
573 Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.
574 Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.
575 Cross-listed in Road/Highway.
576 Cross-listed in Road/Highway Vehicle Events.
577 Cross-listed in Road/Highway.
578 Cross-listed in Maritime.
579 Cross-listed in Road/Highway Vehicle Events.
580 First explosion caused eleven deaths. Twelfth death was from burns several days later.
EXPLOSIONS -- Master Set -- CHRONOLOGICAL – continued:

220. 1968 -- Apr 06, Gas & Gunpowder Exp., Fire, Marting Arms, Richmond, IN\textsuperscript{583} -- 41

221. 1971 -- Feb 3, Thiokol Chemical Plant Exp. and Fire, Woodbine, GA -- 34
222. 1971 -- June 24, Gas Explosion, Tunnel, California Water Project, Sylmar, CA -- 17
223. 1972 -- Feb 1, gas explosion (lightning?), Tanker \textit{V.A. Fogg}, off Galveston, TX\textsuperscript{584} -- 39
224. 1972 -- Dec 15, Gas Explosion, Koppers Steel/Coke Plant, Weirton, WV -- 19
225. 1973 -- Feb 03, Nat. Gas Explosion, Coast-to-Coast Store, Eagle Grove, IA -- 14
226. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY\textsuperscript{585} -- 40
227. 1973 -- Jul 5, PG Railcar Fire/Explosion, Propane, Doxel Gas Co., Kingman, AZ\textsuperscript{586} -- 13
228. 1976 -- Jan 10, Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE\textsuperscript{587} -- 20
229. 1976 -- Aug 12, Ethyl Benzene Explos., Tenneco Oil Refinery Tower, Chalmette, LA -- 13
230. 1977 -- Dec 22, Dust Explosion, Grain Elevator, Westwego, La -- 36
231. 1977 -- Dec 27, Dust Explosion, Farmers Export Grain Elevator, Galveston, TX -- 18
232. 1978 -- Feb 24, Train Derailment, LPG Tank Car Explosion, Waverly, TN\textsuperscript{588} -- 16
233. 1980 -- July 24, Chem. Explos./Fire, Vogue Metal Crafts/Metgal Mfg., Queens NY\textsuperscript{589} -- 11
   1982 -- Jan 19, Water heater explosion, Star Elementary School cafeteria, Spencer, OK -- 7
234. 1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL\textsuperscript{590} -- 17
235. 1985 -- Jun 25, Fireworks Plant Explosion, Hallett, OK -- 21
236. 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 TN\textsuperscript{591} -- 9
237. 1989 -- Apr 19, \textit{USS Iowa} No. 2 Turret Explosion, near Puerto Rico -- 47
238. 1989 -- Oct 3, F/V \textit{Northumberland} ruptures NG pipeline/expiration/fire ~Sabine Pass, TX\textsuperscript{592} -- 11
239. 1989 -- Oct 23, Ethylene Gas Leak Exp., Phillips Petroleum Co Pasadena TX\textsuperscript{593} -- 23
240. 1996 -- Nov 21, Propane Gas Explosion, Commercial Bldg., San Juan, Puerto Rico -- 33
   1998 -- Dec 11, Explosion, Independence Professional \textit{Fireworks} Co., Osseo, MI -- 7
   1999 -- Feb 1, Boiler Explosion, Ford Motor’s River Rouge complex, Dearborn, MI -- 6
   1999 -- March 29, Explosion, Independence Professional \textit{Fireworks} Co., Osseo, MI -- 5
241. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM\textsuperscript{594} -- 12
   2001 -- Oct 3, Explosions and fire, Pyro Design and Development near Rochester, IN -- 5

\textsuperscript{583} Cross-listed under Fire, Structural.
\textsuperscript{584} Cross-listed under Lightning and Maritime.
\textsuperscript{585} 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.
\textsuperscript{586} Cross-listed in Rail.
\textsuperscript{587} Cross-listed in Fire-Structural.
\textsuperscript{588} Cross listed in Structural.
\textsuperscript{589} Cross-listed in Hazardous Materials and in Rail.
\textsuperscript{590} Cross-listed in Fire, Structural.
\textsuperscript{591} Cross-listed in Fire-Structural, because fires were started by the explosions.
\textsuperscript{592} Cross-listed in Explosions in that the pipeline the fishing vessel \textit{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.
\textsuperscript{593} Cross listed in Structural.
\textsuperscript{594} Cross-listed in Fire-Structural, and in Structural Failures.
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<tr>
<td>2002</td>
<td>May 16, Fire and rubber dust explosion, Rouse Polymerics, Vicksburg, MS</td>
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<td>2003</td>
<td>Jan 29, Dust Explosion, West Pharmaceutical Services Plant, Kinston, NC</td>
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<td>2003</td>
<td>Feb 20, Resin Dust Explosions/Fire, CTA Acoustics, Corbin, Laurel Co., KY</td>
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<td>2005</td>
<td>Mar 23, BP America Refinery Explosion, Texas City, TX</td>
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**EXPLOSIONS -- Master Set -- CHRONOLOGICAL -- continued:**

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<tr>
<td>2030</td>
<td>Apr 20, Drill Rig Deepwater Horizon Exp., Gulf of Mexico, ~50m, LA</td>
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<tr>
<td>2010</td>
<td>Sep 9, Explosion and Fire, Pacific Gas &amp; Electric Pipeline, San Bruno, CA</td>
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<td>2013</td>
<td>Mar 18, Mortar explosion, Marines, Hawthorne US Army munitions depot, NV</td>
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<tr>
<td>2010</td>
<td>April 2, Explosion (heat exchanger), Tesoro Refinery, Anacortes, WA</td>
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<td>2043</td>
<td>Apr 17, Explosion, Adair Grain and West Fertilizer Co., West, TX</td>
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</table>

595 Cross-listed in Maritime
Explosions Subset – Blasting agents, dynamite, explosives, fireworks, gunpowder/munitions
(Excludes Mining)

1. 1947 -- Apr 16-17, Ammonium Nitrate Explosion, Grandcamp, Texas City, TX\textsuperscript{596} --581-600
2. 1944 -- Nov 10, Explosion, USS Mount Hood, Seeadler Harbor, Manus Island\textsuperscript{597} --372-378
3. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA\textsuperscript{598} --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 Explos., Havana Hbr., Cuba\textsuperscript{599} --263-268
7. 1865 -- Feb 18, Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC\textsuperscript{600} --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 City\textsuperscript{601} --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.\textsuperscript{602} -- 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 Explosions, Kenyon-Connell Warehouse, Butte, MT -- 57
17. 1913 -- March 7, Harbor/Ship (Alum Chine) Dynamite Explosion, Baltimore, MD\textsuperscript{603} -- 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 -- March 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, IN\textsuperscript{604} -- 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, NY\textsuperscript{605} --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. 1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA --26-40
32. 1911 -- Feb 01, Dynamite Explosion, Central Rail of NJ Terminal, Communipaw, NJ --24-35
33. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN\textsuperscript{606} --29-34

\textsuperscript{596} Cross-listed in Maritime.
\textsuperscript{597} Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea
\textsuperscript{598} Cross-listed under Maritime.
\textsuperscript{599} Cross-listed under Maritime.
\textsuperscript{600} Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.
\textsuperscript{601} Cross-listed in Violence and in Fire-Structural (almost 40% of victims died from fire and smoke inhalation).
\textsuperscript{602} Cross-listed under Maritime.
\textsuperscript{603} Cross-listed under Maritime.
\textsuperscript{604} Cross-listed under Fire, Structural.
\textsuperscript{605} Cross-listed under Maritime.
262

34. 1971 -- Feb 03, Thiokol Chemical Plant Explosion and Fire, Woodbine, GA -- 34
35. 1904 -- Apr 13, Magazine Explosion, Battleship Missouri, off Pensacola, FL --32-34
37. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY607 -- 30
38. 1908 -- Feb 20, Nitroglycerin Explosion, Hercules Powder Works, Pinole, CA --28-30

Explosions Subset – Blasting Agents, Dynamite, Fireworks, Gunpowder, Munitions
(Excludes Mining)

39. 1907 -- Oct 15, DuPont Powder Mill Explosion, Fontanet, IN -- 27
40. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY608 -- 26
41. 1905 -- Sep 10, Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA --19-25
42. 1905 -- May 11, Trains Collide, Blasting Powder Explosion, Fire, S. Harrisburg PA609 -- 23
43. 1903 -- Jul 29, Powder/Dynamite Explos./Fire, U.S. Cartridge, Tewksbury, MA --20-22
44. 1926 -- Jul 10, Lightning/fire/Explosions, USN Lake Denmark Arsenal, Dover, NJ610 --21-22
45. 1864 -- June 17, Explosion/fire, Washington Arsenal, Greenleaf Pt.,611 District of Col.-- 21
46. 1882 -- Feb 17, Explosion, Jackson Fireworks Plant, Chester, PA --15-21
47. 1866 -- April 16, Nitroglycerin explosion Wells Fargo building, San Francisco, CA --15-20
48. 1906 -- Sep 21, Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN -- 7-20
49. 1942 -- Mar 04, Explosion, Iova Ordnance Plant, Burlington, IA -- 22
50. 1943 -- Dec 7, Navy planes collide, bomb falls, Marines on ground die, Maui, HI612 -- 20
51. 1847 -- Apr 14, Explosion, Du Pont Powder Works, Brandywine Ri., Wilmington, DE-- 18
52. 1862 -- Mar 29, Samuel Jackson Cartridge Factory Explos., Tenth & Reed, Philly, PA--15-17
53. 1901 -- June 21, Fireworks Explos./Fire, Confectionery, Main Street, Paterson, NJ -- 17
54. 1943 -- July 12, Nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL-- 17
55. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA613-- 17
56. 1892 -- Jun 13, Mil. Munitions Explos., USS Boston, Mare Isl. Navy Yard, CA614 --14-16
57. 1890 -- Sep 06, Dynamite Explosion, No. Pacific Freight Yard, Spokane Falls, WA -- 15
58. 1895 -- May 21, Nitroglycerine Explosions, California Powder Works, Pinole, CA -- 15
59. 1902 -- Nov 04, Explosion of Fireworks, Madison Square, NY, NY -- 15
60. 1943 -- May 04, Explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
61. 1916 -- May 15, TNT Explosion, DuPont Co., Repauno Works, Gibbstown, NJ --11-14
62. 1917 -- Dec 05, TNT Explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA -- 8-14
63. 1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR -- 14
64. 1891 -- May 19, Dynamite Explosion, Construction Train, near Tarrytown, NY615 -- 13
65. 1891 -- Sep 24, Fireworks Mortar Explodes, Feast of St. Rocco celebration, Newark, NJ>13
66. 1898 -- Apr 26, California Powder Works Explosions, near Santa Cruz, CA --11-13

606 Cross-listed in Rail.
607 Cross-listed under Fire, Structural.
608 Cross-listed under Fire, Structural.
609 Cross-listed under Rail
610 Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.
611 Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
612 Cross-listed under Aviation.
613 Cross-listed in Maritime.
614 Cross-listed in Maritime.
615 Cross-listed in Rail.
76. 1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO
77. 1953 -- Feb 12, Fire, Dynamite Explosion, Hercules Powder Co., near Pinole, CA
78. 1862 -- Nov 7, Ammunition explosion, train car, near Lafourche station, Algiers, LA
79. 1889 -- Feb 25, Powder Explosion, Squib (Mining Fuse) Factory, Plymouth, PA
80. 1942 -- Nov 06, Gunpowder explosion, Rochester Fireworks Co., East Rochester, NY
81. 1894 -- Apr 07, Fireworks Factory Explosion, Petersburg, VA
82. 1900 -- July 04, Fireworks Explosion (children), Eighth Street, Philadelphia, PA
83. 1903 -- Apr 30, Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA
84. 1911 -- Feb 06, Explosion, Pluto Powder Co., near Winthrop & Ishpeming, MI
85. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH
86. 1930 -- Apr 03, Explosions, Pennsylvania Fireworks Display Company, Devon, PA
87. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI
88. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE
89. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY

Other:
1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK
1945 -- May 26, Explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE
1943 -- Nov 16, Mines Explode, Warehouse, Naval Mine Depot, Yorktown, VA

616 Cross-listed in Fire-Structural.
617 Algiers is today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Rail.
618 Cross-listed in Fire, Structural
619 Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.
620 Cross-listed in Hazardous Materials and in Road/Highway.
<table>
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<th>Year</th>
<th>Event Description</th>
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<tr>
<td>1944</td>
<td>Apr 06, Explosion, Naval Ammunition Depot, near Hastings, NE</td>
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<td>1934</td>
<td>June 04, Dynamite Explodes, Petty Geophysics Engineering crew, near Norman, OK</td>
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<tr>
<td>1942</td>
<td>Mar 07, Car and ammo truck collide, fire, delayed explosion, ~Selma, NC</td>
<td>-</td>
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<td>1998</td>
<td>Dec 11, Explosion, Independence Professional Fireworks Co., Osseo, MI</td>
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<td>1892</td>
<td>May 21, Explosion and Fire, Aetna Pyrotechnic (Fireworks) Co., Hartford, CT</td>
<td>-</td>
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<td>1999</td>
<td>March 29, Explosion, Independence Professional Fireworks Co., Osseo, MI</td>
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621 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 Mining) -- **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, NY\(^622\) --24-40

3. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY\(^623\) -- 26

4. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY\(^624\) -- 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 Gunpowder 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 Laforche station, Algiers\(^625\) -- ~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.,\(^626\) 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 SC\(^627\)--150-200
15. 1865 -- May 25, Mobile Magazine Explosion, Mobile, AL -- 300
16. 1865 -- June 09, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN\(^628\)-- ~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, No. Pacific Freight Yard, Spokane Falls, WA -- 15
24. 1891 -- May 19, Dynamite Explosion, Construction Train, near Tarrytown, NY\(^629\) -- 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, Mil. Munitions Explos., USS *Boston*, Mare Isl. Navy Yard, CA\(^630\) --14-16
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

\(^{622}\) Cross-listed under Maritime
\(^{623}\) Cross-listed under Fire, Structural.
\(^{624}\) Cross-listed under Fire, Structural.
\(^{625}\) Algiers is today a section of New Orleans, annexed to the city as the 15\(^{th}\) Ward in 1870. Cross-listed in Rail.
\(^{626}\) Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
\(^{627}\) Our impression from accounts is that the majority of deaths, if not the great majority, were from the explosion.
\(^{628}\) Cross-listed in Fire, Structural
\(^{629}\) Cross-listed in Rail.
\(^{630}\) Cross-listed in Maritime.
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<td>Sep 01</td>
<td>Powder Explosion, Hercules Powder Works, Pinole, CA</td>
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<td>1898</td>
<td>Feb 15</td>
<td>USS Maine Magazine Explosion, Havana Hbr., Cuba</td>
<td>-</td>
<td>263-268</td>
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<tr>
<td>1898</td>
<td>Apr 26</td>
<td>California Powder Works Explosions, near Santa Cruz, CA</td>
<td>CA</td>
<td>11-13</td>
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**Explosions Subset** – **Blasting Agents, Dynamite, Fireworks, Gunpowder, Munitions (Excludes Mining)**

**Chronological**

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<td>1900</td>
<td>July 04</td>
<td>Fireworks Explosion (children), Eighth Street, Philadelphia, PA</td>
<td>PA</td>
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<td>1901</td>
<td>June 21</td>
<td>Fireworks Explos./Fire, Confectionery, Main Street, Paterson, NJ</td>
<td>NJ</td>
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<td>1901</td>
<td>Aug 19</td>
<td>Fire, Dynamite Explosion, M. &amp; M. Roundhouse, ~Herkimer, NY</td>
<td>NY</td>
<td>6-13</td>
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<tr>
<td>1902</td>
<td>Nov 04</td>
<td>Explosion of Fireworks, Madison Square, NY, NY</td>
<td>NY</td>
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<td>1903</td>
<td>Apr 30</td>
<td>Explosions, Crescent Powder Co., Ganister, near Hollidaysburg, PA</td>
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<td>1903</td>
<td>July 29</td>
<td>Powder/Dynamite Explos./Fire, U.S. Cartridge, Tewksbury, MA</td>
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<td>20-22</td>
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<td>1904</td>
<td>Mar 31</td>
<td>Explosion, Dickson Squib Factory, Priceburg, PA</td>
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<td>1904</td>
<td>Apr 13</td>
<td>Magazine Explosion, Battleship Missouri, off Pensacola, FL</td>
<td>FL</td>
<td>32-34</td>
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<td>1905</td>
<td>May 11</td>
<td>Trains Collide, Blasting Powder Explosion, Fire, S. Harrisburg PA</td>
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<tr>
<td>1905</td>
<td>Sep 10</td>
<td>Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA</td>
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<td>19-25</td>
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<td>1906</td>
<td>June 09</td>
<td>Dynamite Explosion, Dynamite Plant, Bausman’s Hollow, PA</td>
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<td>1906</td>
<td>Sep 21</td>
<td>Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN</td>
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<td>1907</td>
<td>Jan 19</td>
<td>Train Car Explosion (Powder), Big Four Railroad, Sandford, IN</td>
<td>IN</td>
<td>29-34</td>
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<td>1907</td>
<td>Oct 15</td>
<td>DuPont Powder Mill Explosion, Fontanet, IN</td>
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<td>1908</td>
<td>Feb 20</td>
<td>Nitroglycerin Explosion, Hercules Powder Works, Pinole, CA</td>
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<td>28-30</td>
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<td>1909</td>
<td>Jan 20</td>
<td>Magazine Explos., Water Tunnel Crib Fire, Lake Mich., ~ Chicago, IL</td>
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<td>1910</td>
<td>July 10</td>
<td>Artillery Explosion, Fort Monroe, VA</td>
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<tr>
<td>1911</td>
<td>Feb 01</td>
<td>Dynamite Explosion, Central Rail of NJ Terminal, Communipaw, NJ</td>
<td>NJ</td>
<td>24-35</td>
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<tr>
<td>1911</td>
<td>Feb 06</td>
<td>Explosion, Pluto Powder Co., near Winthrop &amp; Ishpeming, MI</td>
<td>MI</td>
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<td>1911</td>
<td>Mar 09</td>
<td>Gunpowder Explosion, Laffin Rand Powder Co., Pleasant Prairie, WI</td>
<td>WI</td>
<td>40</td>
</tr>
<tr>
<td>1913</td>
<td>March 7</td>
<td>March 7, Harbor/Ship (Alum Chine) Dynamite Explosion, Baltimore, MD</td>
<td>MD</td>
<td>55</td>
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<tr>
<td>1916</td>
<td>May 15</td>
<td>TNT Explosion, DuPont Co., Repauno Works, Gibbstown, NJ</td>
<td>NJ</td>
<td>11-14</td>
</tr>
<tr>
<td>1916</td>
<td>May 15</td>
<td>Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH</td>
<td>OH</td>
<td>9-10</td>
</tr>
<tr>
<td>1916</td>
<td>July 02</td>
<td>Powder Explosion, Aetna Explosives Co., Emporium, PA</td>
<td>PA</td>
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<tr>
<td>1917</td>
<td>Apr 10</td>
<td>Artillery Shell Munitions Plant Explosion, Eddystone, PA</td>
<td>PA</td>
<td>133</td>
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<tr>
<td>1917</td>
<td>Dec 05</td>
<td>TNT Explosion, Aetna Chemical Plant, Heidelberg, ~Pittsburgh, PA</td>
<td>PA</td>
<td>8-14</td>
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<tr>
<td>1918</td>
<td>May 18</td>
<td>Aetna Chemical Co. Munitions Plant Explosion, Oakdale, PA</td>
<td>PA</td>
<td>193</td>
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<tr>
<td>1918</td>
<td>July 02</td>
<td>Semet-Solvay Co. TNT Plant Explosion/Fire, Split Rock, NY</td>
<td>NY</td>
<td>50</td>
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<tr>
<td>1918</td>
<td>Oct 04</td>
<td>Gillespie Co., Shell Loading Plant Explosion, Sayreville, NJ</td>
<td>NJ</td>
<td>100</td>
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<tr>
<td>1919</td>
<td>Jan 26</td>
<td>Nitroglycerin explodes, wagon going through town of Big Heart, OK</td>
<td>OK</td>
<td>8-9</td>
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<tr>
<td>1919</td>
<td>Aug 04</td>
<td>Magazine Explosion, U.S. Arsenal, Raritan, NJ</td>
<td>NJ</td>
<td>7-12</td>
</tr>
</tbody>
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631 Cross-listed under Maritime.
632 Cross-listed under Rail
633 Cross-listed under Rail.
634 Cross-listed under Maritime.
635 Cross-listed in Hazardous Materials and in Road/Highway.
Explosions Subset – Blasting Agents, Dynamite, Fireworks, Gunpowder, Munitions
Chronological
(Excludes Mining) (continued)

64. 1926 -- July 10, Lightning/fire/Explosions, USN Lake Denmark Arsenal, Dover, NJ

65. 1930 -- Apr 03, Explosions, Pennsylvania Fireworks Display Company, Devon, PA -- 10
    1934 -- Jun 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 -- March 4, Explosion, Iowa Ordnance Plant, Burlington, IA -- 22
    1942 -- March 7, Car and ammo truck collide, fire, delayed explosion, ~Selma, NC\textsuperscript{637} -- 7
68. 1942 -- June 05, Explosion, Elwood Ordnance Plant, Joliet, IL -- 48-52
69. 1942 -- Nov 06, Gunpowder explosion, Rochester Fire Works Co., East Rochester, NY-- 11
70. 1943 -- Mar 24, Fragmentation bombs explos., Portage Ordnance Depot, Portage, OH -- 11
71. 1943 -- May 04, Explosion, Triumph Explosives Inc. Munitions Plant, Elkton, MD -- 15
72. 1943 -- July 12, Nitramon test explosion mishap, Eglin Air Force Base, Pensacola, FL-- 17
73. 1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA -- 26-40
74. 1943 -- Nov 16, Mines Explode, Warehouse, Naval Mine Depot, Yorktown, VA -- 7-8
75. 1943 -- Dec 07, Navy planes collide, bomb falls, Marines on ground die, Maui, HI\textsuperscript{638} -- 20
76. 1944 -- Mar 13, Anti-Personnel Surface Mine Explosion, Camp Robinson, Ark. -- 12
    1944 -- April 6, Explosion, Naval Ammunition Depot, near Hastings, NE -- 8
77. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA\textsuperscript{639} -- 17
78. 1944 -- May 21, Munitions Explosion, West Loch, Pearl Harbor, HI -- 163
79. 1944 -- June 11, Torpedo Warheads Explode, Naval Ammunition Depot, Oahu, HI -- 10
80. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA\textsuperscript{640} --320-325
81. 1944 -- Sep 15, Explosion, Naval Ammunition Depot, near Hastings, NE -- 9-10
82. 1944 -- Nov 10, Explosion, USS Mount Hood, Seeadler Harbor, Manus Island\textsuperscript{641} --372-378
83. 1944 -- Dec 05, Torpedo magazine explodes, Naval Ammo. Depot, McAlester, OK -- 11
84. 1945 -- May 25, Firebomb igniter explosion, Edgewood Arsenal, Aberdeen, MD -- 12
    1945 -- May 26, Explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE-- 9
85. 1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO\textsuperscript{642} -- 12
86. 1947 -- Apr 16-17, Ammonium Nitrate Explosion, Grandcamp, Texas City, TX\textsuperscript{643} --581-600

87. 1953 -- Feb 12, Fire, Dynamite Explosion, Hercules Powder Co., near Pinole, CA -- 12
88. 1954 -- July 16, Explo./fire/explos., Kent Defense/Fireworks Mfg., Chestertown, MD-- 11

\textsuperscript{636} Cross-listed in Lightning -- lightning started the fire which led to explosions which caused loss of life.
\textsuperscript{637} The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield. Cross-listed in Highway events.
\textsuperscript{638} Cross-listed under Aviation.
\textsuperscript{639} Cross-listed in Maritime.
\textsuperscript{640} Cross-listed under Maritime.
\textsuperscript{641} Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea
\textsuperscript{642} Cross-listed in Fire-Structural.
\textsuperscript{643} 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.
89. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY  

Explosions Subset – Blasting Agents, Dynamite, Fireworks, Gunpowder, Munitions  
Chronological (continued)  
(Excludes Aviation, Maritime Boiler explosions and Mining)

91. 1967 -- Feb 15, Explosion, Lone Star Army Ammunition Plant, ~Texarkana, TX  
92. 1967 -- July 29, Rocket Explosion and Fire, USS Forrestal, Gulf of Tonkin ops.  
93. 1968 -- Apr 06, Gas & Gunpowder Explosion, Fire, Marting Arms, Richmond, IN 

94. 1971 -- Feb 03, Thiokol Chemical Plant Explosion and Fire, Woodbine, GA
95. 1989 -- Apr 19, USS Iowa No. 2 Turret Explosion, near Puerto Rico
96. 1995 -- Apr 19, Terrorism, Alfred P. Murrah Federal Bldg. Bombing, Oklahoma City
1998 -- Dec 11, Explosion, Independence Professional Fireworks Co., Osseo, MI

644 Cross-listed in Fire-Structural in that fire was the precipitating event. All deaths were due to the explosion.  
645 Cross-listed under Maritime.  
646 Cross-listed under Fire, Structural.  
647 Cross-listed in Violence and in Fire-Structural (almost 40% of victims died from fire and smoke inhalation).
EXPLORATIONS Subset – CHEMICALS – By Mortality

1. 1947 -- Apr 16-17, Ammonium Nitrate Explosion, Grandcamp, Texas City, TX\textsuperscript{648} -- 581-600
2. 1927 -- Apr 23, Chemical Explosions, Fire / Briggs Manufacturing Co., Detroit, MI -- 23
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, LA\textsuperscript{650} -- 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, KY\textsuperscript{651} -- 12
8. 1953 -- Sep 23, Explosion, Organic Peroxides Plant, Tonawanda, NY -- 11
10. 1980 -- July 24, Chemical Explos./Fire, Vogue Metal Crafts/Metgal Mfg., Queens NY\textsuperscript{652} -- 11

11. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI\textsuperscript{653} -- 10
12. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY\textsuperscript{654} -- 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. 1962 -- May 10, Explosion, Chemical Reactor (Acrylic Polyamide), Toledo, OH -- 10

Other:
16. 1892 -- May 21, Explosion and Fire, Aetna Pyrotechnic (Fireworks) Co., Hartford, CT-- 5

\textsuperscript{648} 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.
\textsuperscript{649} Cross-listed in Fire, Structural.
\textsuperscript{650} Cross-listed in Fires, Structural.
\textsuperscript{651} First explosion caused eleven deaths. Twelfth death was from burns several days later.
\textsuperscript{652} Cross-listed in Fire, Structural
\textsuperscript{653} Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.
\textsuperscript{654} 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, LA 655 -- 15
3. 1892 -- May 21, Explosion and Fire, Aetna Pyrotechnic (Fireworks) Co., Hartford, CT -- 5
4. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI 657 -- 10
5. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY 658 -- ≥7->10
6. 1914 -- May 15, Chemical Explosion, Mexican Crude Rubber Co., Detroit, MI -- 10
7. 1927 -- Apr 23, Chemical Explosions, Fire / Briggs Manufacturing Co., Detroit, MI -- 23
8. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ -- 10
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, TX 659 --581-600
11. 1953 -- Sep 23, Explosion, Organic Peroxides Plant, Tonawanda, NY -- 11
13. 1956 -- Dec 03, Waterfront Pier Fire and Explosion, Brooklyn, NY 660 -- 10
14. 1962 -- May 10, Explosion, Chemical Reactor (Acrylic Polyamide), Toledo, OH -- 10
15. 1965 -- Aug 25, Explosions (26)/Fire, Du Pont Chemical Corp., near Louisville, KY 661 -- 12
16. 1980 -- July 24, Chemical Explos./Fire, Vogue Metal Crafts/Metgal Mfg., Queens NY 662 -- 11
17. 2013 -- Apr 17, Explosion, Adair Grain and West Fertilizer Co., West, TX -- 15

655 Cross-listed in Fires, Structural.
656 Cross-listed in Fire, Structural.
657 Cross-listed in Fire, Structural -- all deaths were result of building failure following explosions, preceded by fire.
658 Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).
659 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.
660 Cross-listed in Fire, Structural.
661 First explosion caused eleven deaths. Twelfth death was from burns several days later.
662 Cross-listed in Fire, Structural
**EXPLOSIONS Subset -- DUST (Excluding Mining) -- By Mortality**

1. 1919 -- May 22, Dust Explosion/Fire, Douglas Starch Works, Cedar Rapids, IA -- 40-48
2. 1924 -- Jan 03, Starch Dust Explosion, Corn Products Refining Co., Pekin, IL -- 42
3. 1977 -- Dec 22, Dust Explosion, Grain Elevator, Westwego, La -- 36
4. 1953 -- Apr 16, Aluminum Dust Explos./Fire, Haber Corp. Metalworking, Chicago IL -- 35
5. 1913 -- Jun 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. 1948 -- Sep 07, Starch Dust Explosion, Candy Factory, Chicago, IL -- 15
8. 1912 -- Nov 25, Dextrin Dust Explosion, Corn Products Co., Waukegan, IL -- 14
9. 1919 -- Sep 13, Grain Dust Explosion, Grain Elevator, Kansas City, MO -- 14
10. 1890 -- Mar 27, Starch Dust Explosion/Fire, Chicago Sugar Refinery, Chicago, IL -- 12
11. 1917 -- Jun 13, Sugar Dust Explosion and Fire, Sugar Refining Plant, Brooklyn, NY -- 12
13. 1898 -- Sep 20, Grain Dust Explosion, Grain Elevator, Toledo, OH -- 10

**Other:**

1916 -- June 13, Dust Explosion, Grain Elevator, Central Elevator Co., Baltimore, MD -- 9
2003 -- Feb 20, Resin Dust Explosions/Fire, CTA Acoustics, Corbin, Laurel County, KY -- 7
2003 -- Jan 29, Dust Explosion, West Pharmaceutical Services Plant, Kinston, NC -- 6
2001 -- Oct 3, Explosions and fire, Pyro Design and Development near Rochester, IN\(^6\) -- 5
2002 -- May 16, Fire leading to rubber dust explosion, Rouse Polymerics, Vicksburg, MS -- 5

\(^6\) News articles of the time noted cause undetermined. However, the U.S. Chemical Safety and Hazard Investigation Board, 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).
1. 1878 -- May 2, Flour Dust Explosion/Fire, Washburne Flour Mills, Minneapolis MN
2. 1890 -- March 27, Starch Dust Explosion/Fire, Chicago Sugar Refinery, Chicago, IL
3. 1898 -- Sep 20, Grain Dust Explosion, Grain Elevator, Toledo, OH
4. 1912 -- Nov 25, Dextrin Dust Explosion, Corn Products Co., Waukegan, IL
5. 1913 -- June 24, Dust Explosion, Husted Milling Feed Plant, Buffalo, NY
6. 1916 -- June 13, Dust Explosion, Grain Elevator, Central Elevator Co., Baltimore, MD
7. 1917 -- June 13, Sugar Dust Explosion and Fire, Sugar Refining Plant, Brooklyn, NY
8. 1919 -- May 22, Dust Explosion/Fire, Douglas Starch Works, Cedar Rapids, IA
9. 1919 -- Sep 13, Grain Dust Explosion, Grain Elevator, Kansas City, MO
10. 1924 -- Jan 3, Starch Dust Explosion, Corn Products Refining Co., Pekin, IL
11. 1948 -- Sep 7, Starch Dust Explosion, Candy Factory, Chicago, IL
12. 1953 -- April 16, Aluminum Dust Explos./Fire, Haber Corp. Metalworking, Chicago, IL
14. 1977 -- Dec 22, Dust Explosion, Grain Elevator, Westwego, LA

2001 -- Oct 3, Explosions and fire, Pyro Design and Development near Rochester, IN
2002 -- May 16, Fire leading to rubber dust explosion, Rouse Polymeric, Vicksburg, MS
2003 -- Jan 29, Dust Explosion, West Pharmaceutical Services Plant, Kinston, NC
2003 -- Feb 20, Resin Dust Explosions/Fire, CTA Acoustics, Corbin, Laurel County, KY

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664 News articles of the time noted cause undetermined. However, the U.S. Chemical Safety and Hazard Investigation Board, 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 -- March 18, Natural Gas explosion, consolidated school, New London, TX --311-319
3. 1963 -- Oct 31, Bottled Propane Gas Tank Explosion, Indianapolis Coliseum, IN --74-75
4. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY 666-40
5. 1972 -- Feb 1, gas fumes explosion (lightning?), Tanker V.A. Fogg, off Galveston, TX 667-39
6. 1996 -- Nov 21, Propane Gas Explosion, Commercial Bldg., San Juan, Puerto Rico -- 33
7. 1927 -- Nov 14, Natural Gas Tank Explosion, Equitable Gas Co., Pittsburgh, PA -- 28
9. 1926 -- Nov 19, Oil tanker Mantilla explos., Bethlehem Steel drydock, Sparrows Point, MD 672-18
10. 1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL 673-18
11. 1965 -- Jan 02, Home Meat Packing Co. Natural Gas Explosion, Terre Haute, IN -- 17
12. 1965 -- Mar 04, Explosion/Fire, Natural Gas Pipeline, residential Natchitoches, LA -- 17
13. 1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL 674-17
14. 1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA 675-16
16. 1951 -- Feb 08, LPG Explosion, Minnesota Mining/Mfg. Abrasives Fac, St. Paul, MN -- 14
17. 1902 -- Feb 05, Gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL --11-13
18. 1940 -- Dec 17, Natural Gas Explosion, Mercantile & Apartment Bldg., Cincinnati, OH -- 13
19. 1996 -- Nov 20, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY -- 40
21. 1965 -- Mar 04, Explosion/Fire, Natural Gas Pipeline, residential Natchitoches, LA -- 17
22. 1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL -- 17
23. 1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA -- 16
25. 1951 -- Feb 08, LPG Explosion, Minnesota Mining/Mfg. Abrasives Fac, St. Paul, MN -- 14
26. 1902 -- Feb 05, Gas explosion/fire, Trostle Butcher Shop, Archer & 22nd, Chicago, IL --11-13
27. 1940 -- Dec 17, Natural Gas Explosion, Mercantile & Apartment Bldg., Cincinnati, OH -- 13
29. 1976 -- Aug 12, Ethyl Benzene Expols., Tenneco Oil Refinery Tower, Chalmette, LA -- 13
30. 1943 -- Aug 19, Explosion, Naphtha vapors, Conoco-Nairn Inc. plant, Kearny, NJ -- 12
32. 1957 -- Dec 5, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA -- 12
33. 1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA --11-12

665 Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses
666 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.
667 Cross-listed under Lightning and Maritime.
668 Cross listed under Fire, Structural.
669 Cross-listed in Fire-Structural.
670 Cross-listed in Fire-Structural.
671 Cross-listed in Fire-Structural.
672 Cross-listed in Maritime.
673 Cross-listed in Fire-Structural.
674 Cross-listed in Fire-Structural, because fires were started by the explosions.
675 Cross-listed under Maritime.
676 Cross-listed under Rail.
677 Cross-listed under Maritime.
678 Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.
31. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM  
32. 1924 -- Aug 28, Explosion, Ammonia Refrigeration Tank, Grocery, Des Moines, IA  
33. 1935 -- Oct 07, Gas Explosion, Glidden Soybean Processing Plant, Chicago, IL  
34. 1947 -- July 29, Butane Gas Explo./fire, Pauline’s Beauty School, Harrisonburg, VA  
35. 1966 -- Jan 28, Paramount Hotel Gas Explosion and Fire, Boston, MA  
36. 1989 -- Oct 3, F/V Northumberland ruptures NG pipeline/explosion/fire ~Sabine Pass, TX  
37. 1910 -- Dec 19, Train Crash/Gas Explosion, Grand Central Station yard, NY  
38. 1916 -- Feb 16, Gas Explosion, Opera House collapses on Hitt Restaurant, Mexia, TX  
39. 1932 -- Apr 14, Natural Gas Explosion, State Office Building, Columbus, OH  
40. 1937 -- Feb 05, Flooding/Bldg Gas Leak/Explos., Floyd & Market St., Louisville, KY  
41. 1944 -- Nov 21, Car/Truck Collision, Butane Gas Tank Truck Explos., Denison, TX  
42. 1946 -- June 21, Explosion (postulated as natural gas), Baker Hotel, Dallas, TX  
43. 1953 -- Jan 27, Butane gas line leak explosion & fire, Jones Electric Co., Aiken, SC  
44. 1960 -- July 18, Explosion (gas) and Fire, J.C. Penney Co. Dept. Store, Merrill, WI  
45. 1962 -- July 25, Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY  

Other:
1946 -- July 18, Butane Gas Explosion, Christy’s Spa & 3 frame buildings, Onset, MA  
1968 -- Jan 10, Natural Gas Explosion Demolishes two adjoining Homes, Reading, PA  
1988 -- Dec 23, Propane tanker hits wall explodes; parts hit house, cars, Memphis TN  
1901 -- Aug 5, gasoline tank explosion, grocery store cellar, Locust street, Philadelphia PA  
1940 -- Nov 28, Natural Gas Explosion & Fire, Richey Gilbert Warehouse, Toppenish, WA  
1946 -- Feb 19, Natural Gas Explosion & Fire, Apartment Building, New Orleans, LA  
1963 -- March 29, Natural Gas leak explosion, Supreme Cleaners, Tucson, AZ  
1949 -- April 10, Explosion, propane gas furnace leak, St. Mary’s Church, Marion, SD  

679 Cross-listed in Road/Highway.
680 Cross-listed in Fire-Structural, and in Structural Failures.
681 Ten of the eleven died after the explosion from exposure to the ammonia fumes.
682 Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.
683 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.
684 Cross-listed under Rail.
685 Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events.
686 Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.
687 Cross-listed in Road/Highway/Vehicular Events.
688 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 5, 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/Gas Explosion, Grand Central Station yard, NY689 -- 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, IA 690,-- 11
5. 1926 -- Nov 19, Oil tanker Mantilla explos., Bethlehem Steel drydock, Sparrows Point, MD691-- 18
6. 1927 -- Jan 26, Gas explosion, Mormon recreation hall, basketball game, Turner, ID -- 7
7. 1927 -- Nov 14, Natural Gas Tank Explosion, Equitable Gas Co., Pittsburgh, PA -- 28
8. 1928 -- Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA692 --20-21

9. 1932 -- Apr 14, Natural Gas Explosion, State Office Building, Columbus, OH -- 10
10. 1935 -- Oct 07, Gas Explosion, Glidden Soybean Processing Plant, Chicago, IL -- 11
11. 1937 -- Feb 05, Flooding/Bldg Gas Leak/Explos., Floyd & Market St., Louisville, KY -- 10
12. 1937 -- March 18, Natural Gas explosion, consolidated school, New London, TX --311-319

13. 1940 -- Nov 28, Natural Gas Explos. & Fire, Richey Gilbert Warehouse, Toppenish, WA-- 8
14. 1940 -- Dec 17, Natural Gas Explosion, Mercantile & Apartment Bldg., Cincinnati, OH-- 13
15. 1943 -- Aug 19, Explosion, Naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ -- 12
17. 1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA694 -- 16
18. 1944 -- Nov 21, Car/Truck Collision, Butane Gas Tank Truck Explos., Denison, TX695-- 10
19. 1946 -- Feb 19, Natural Gas Explosion & Fire, Apartment Building, New Orleans, LA-- 7
20. 1946 -- June 21, Explosion (postulated as natural gas), Baker Hotel, Dallas, TX -- 10
21. 1946 -- July 18, Butane Gas Explosion, Christy’s Spa & 3 frame buildings, Onset, MA-- 9
23. 1947 -- July 29, Butane Gas Explos./fire, Pauline’s Beauty School, Harrisonburg, VA697 -- 11
24. 1949 -- April 10, Explosion, propane gas furnace leak, St. Mary’s Church, Marion, SD-- 6
25. 1949 -- Dec 14, Natural Gas Explos., Swift & Co. Packing House, Sioux City, IA -- 21

26. 1951 -- Feb 08, LPG Explosion, Minnesota Mining/Mfg. Abrasives Fac, St. Paul, MN-- 14
27. 1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL698 -- 18
28. 1953 -- Jan 27, Butane gas line leak explosion & fire, Jones Electric Co., Aiken, SC699-- 10

689 Cross-listed under Rail.
690 Ten of the eleven died after the explosion from exposure to the ammonia fumes.
691 Cross-listed in Maritime.
692 Cross-listed in Fire-Structural.
693 Cross-listed in Fire-Structural. At least 32 died in fires in nearby houses
694 Cross-listed under Maritime.
695 Cross-listed in Hazardous Materials and in Highway/Vehicular.
696 Cross-listed under Maritime.
697 Cross-listed in Fire, Structural, though most if not all deaths were caused by explosion and building destruction.
698 Cross-listed in Fire, Structural.
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<th>Year</th>
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<th>Casualty Count</th>
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<tr>
<td>1956</td>
<td>Aug 13</td>
<td>Explosion, Liquefied Petroleum Gas, Lariat Café, Monticello, UT</td>
<td>15</td>
</tr>
<tr>
<td>1957</td>
<td>Dec 5</td>
<td>Natural gas explosion/fire, five downtown businesses, Villa Rica, GA</td>
<td>12</td>
</tr>
<tr>
<td>1959</td>
<td>June 02</td>
<td>Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA</td>
<td>11-12</td>
</tr>
<tr>
<td>1959</td>
<td>June 02</td>
<td>Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA</td>
<td>11-12</td>
</tr>
<tr>
<td>1960</td>
<td>July 18</td>
<td>Explosion (gas) and Fire, J.C. Penney Co. Dept. Store, Merrill, WI</td>
<td>10</td>
</tr>
<tr>
<td>1962</td>
<td>July 25</td>
<td>Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY</td>
<td>10</td>
</tr>
<tr>
<td>1963</td>
<td>Jan 02</td>
<td>Home Meat Packing Co. Natural Gas Explosion, Terre Haute, IN</td>
<td>17</td>
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<tr>
<td>1963</td>
<td>March 29</td>
<td>Natural gas leak explosion, Supreme Cleaners, Tucson, AZ</td>
<td>7</td>
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<tr>
<td>1963</td>
<td>Oct 31</td>
<td>Bottled Propane Gas Tank Explosion, Indianapolis Coliseum, IN</td>
<td>74-75</td>
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<tr>
<td>1965</td>
<td>Mar 04</td>
<td>Explosion/Fire, Natural Gas Pipeline, residential Natchitoches, LA</td>
<td>17</td>
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<tr>
<td>1965</td>
<td>Nov 24</td>
<td>Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA</td>
<td>21</td>
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<tr>
<td>1965</td>
<td>Jan 28</td>
<td>Paramount Hotel Gas Explosion and Fire, Boston, MA</td>
<td>11</td>
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<tr>
<td>1968</td>
<td>Jan 10</td>
<td>Natural Gas Explosion Demolishes two adjoining Homes, Reading, PA</td>
<td>9</td>
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<tr>
<td>1972</td>
<td>Feb 1</td>
<td>Gas fumes explosion (lightning?), tanker V.A. Fogg, off Galveston, TX</td>
<td>39</td>
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<tr>
<td>1972</td>
<td>Dec 15</td>
<td>Gas Explosion, Koppers Steel/Coke Plant, Weirton, WV</td>
<td>19</td>
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<tr>
<td>1973</td>
<td>Feb 10</td>
<td>Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY</td>
<td>40</td>
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<tr>
<td>1973</td>
<td>July 05</td>
<td>PG Railcar Fire/Explosion (Propane), Doxel Gas Co., Kingman, AZ</td>
<td>13</td>
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<tr>
<td>1976</td>
<td>Jan 10</td>
<td>Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE</td>
<td>20</td>
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<td>1976</td>
<td>Aug 12</td>
<td>Ethyl Benzene Explos., Tenneco Oil Refinery Tower, Chalmette, LA</td>
<td>13</td>
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<td>1984</td>
<td>July 24</td>
<td>Union Oil Co. Refinery Explosions and Fire, Romeoville, IL</td>
<td>17</td>
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<td>1985</td>
<td>Dec 16</td>
<td>Gas Explosion, Rocky Mt. Natural Gas Co., Glenwood Springs, CO</td>
<td>12</td>
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<tr>
<td>1988</td>
<td>Dec 23</td>
<td>Propane tanker hits wall explodes; parts hit house, cars, Memphis TN</td>
<td>9</td>
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<tr>
<td>1989</td>
<td>Oct 3</td>
<td>F/V Northumberland ruptures NG pipeline/explosion/fire ~Sabine Pass, TX</td>
<td>11</td>
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<tr>
<td>1989</td>
<td>Oct 23</td>
<td>Phillips Petroleum Co. Gas Leak Explosion, Pasadena TX</td>
<td>23</td>
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<td>1996</td>
<td>Nov 21</td>
<td>Propane Gas Explosion, Commercial Bldg., San Juan, Puerto Rico</td>
<td>33</td>
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<tr>
<td>2000</td>
<td>Aug 19</td>
<td>El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM</td>
<td>12</td>
</tr>
</tbody>
</table>

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699 Most, if not all, the deaths were thought to have been the direct result of the explosion and not the resulting fire.
700 Cross-listed in Fire-Structural – there were fatalities from the explosion and from the resulting fire.
701 Cross-listed in Road/Highway.
702 Cross-listed in Road/Highway Vehicle Events.
703 Cross-listed in Fire, Structural.
704 Cross-listed under Lightning and Maritime.
705 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.
706 Cross-listed under Rail.
707 Cross-listed in Fire-Structural.
708 Cross-listed in Fire-Structural, because fires were started by the explosions.
709 Cross-listed in Hazardous Materials and in Road/Highway/Vehicular Events
710 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.
711 Cross listed under Fire, Structural.
### EXPLOSIONS Subset – GASOLINE, KEROSENE, NAPTHA, OIL – By Mortality

1. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK --40-44
2. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA --20-29
3. 1956 -- Jan 17, Gasoline explosion/fire, SS *Salem Maritime*, terminal, Rose Bluff, LA -- 21
4. 1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX -- 19
5. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY -- 17
6. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA -- 16
7. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV -- 15
8. 1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR -- 13
9. 1923 -- May 9, Explosion/Fire, J.K. Hughes Co, McKie Oil Well, Corsicana, TX -- 12
10. 1903 -- Apr 23, Northwestern Star Oil Plant Explosion, Minneapolis, MN --10-11
11. 1924 -- Aug 29, Gasoline Tank Explosion, People’s Natural Gas, Pittsburgh, PA -- 11
12. 1919 -- Nov 17, Oil Explosion, Oil Tank, Standard Oil Company, Hays, KS -- 10
13. 1933 -- Jun 02, Oil Explosion, Richfield Meandor Oil Refinery, Long Beach, CA -- 10
15. 1933 -- Mar 25, Gasoline Stove Explosion under whisky still, home fire, ~Fargo, OK -- 7
16. 1954 -- Apr 10, Explosion, kerosene put in home stove, fire, Columbia, AL -- 7
17. 1954 -- Apr 03, Explosion/fire, kerosene poured in home stove, Glouster, OH -- 6
18. 1959 -- Aug 18, Service Station Fire/gasoline storage tank explosion, Kansas City, KS -- 6

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712 Cross-listed in Fire-Structural, and in Structural Failures.
713 Cross-listed in Hazardous Materials and in Rail.
714 Cross-listed in Rail.
715 Cross-listed in Hazardous Materials Transportation and in Maritime.
716 Cross-listed in Fire-Structural in that a fire was precipitating event – all deaths were due to the explosion.
717 Cross-listed in Fire and in Rail.
718 Cross-listed in Fire-Structural.
719 Cross-listed in Fire (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
720 Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.
721 Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.
722 When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.
723 Cross-listed in Fire-structural.
724 Cross listed in Fire-structural.
EXPLOSIONS Subset – GASOLINE, KEROSENE, NAPTHA, OIL – Chronological

1. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA \textsuperscript{725} --20-29
2. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY \textsuperscript{726} -- 17
3. 1903 -- Apr 23, Northwestern Star Oil Plant Explosion, Minneapolis, MN --10-11
4. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK \textsuperscript{727} --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, PA \textsuperscript{728} -- 16
7. 1923 -- May 9, Explosion/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
9. 1933 -- Mar 25, Gasoline Stove Explosion under whisky still, home fire, ~Fargo, OK \textsuperscript{729} -- 7
10. 1933 -- Jun 02, Oil Explosion, Richfield Meandor Oil Refinery, Long Beach, CA -- 10
11. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV \textsuperscript{730} -- 15
12. 1954 -- Mar 19, Kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV \textsuperscript{731} --9
13. 1954 -- Apr 03, Explosion/fire, kerosene poured in home stove, Glouster, OH \textsuperscript{732} -- 6
14. 1954 -- Apr 10, Explosion, kerosene put in home stove, fire, Columbia, AL \textsuperscript{733} -- 7
15. 1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR \textsuperscript{734} -- 13
16. 1956 -- Jan 17, Gasoline explosion/fire, SS Salem Maritime, terminal, Rose Bluff, LA \textsuperscript{735} -- 21
17. 1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX \textsuperscript{736} -- 19
18. 1959 -- Aug 18, Service Station Fire/gasoline storage tank explosion, Kansas City, KS -- 6

\textsuperscript{725} Cross-listed in Rail.
\textsuperscript{726} Cross-listed in Fire and in Rail.
\textsuperscript{727} Cross-listed in Hazardous Materials and in Rail.
\textsuperscript{728} Cross-listed in Fire-Structural.
\textsuperscript{729} When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.
\textsuperscript{730} Cross-listed in Fire (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
\textsuperscript{731} Cross-listed in Fire-Structural. Burning kerosene was thrown on some if not all victims; home burned to ground.
\textsuperscript{732} Cross listed in Fire-structural.
\textsuperscript{733} Cross-listed in Fire-structural.
\textsuperscript{734} Cross-listed in Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.
\textsuperscript{735} Cross-listed in Hazardous Materials Transportation and in Maritime.
\textsuperscript{736} 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, NY737 -- 60-75
2. 1905 -- Mar 20, Boiler Explos./Fire, Grover & Co. Shoe Factory, Brockton, MA738 -- 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 TX739 -- 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 Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA740 -- 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/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 Co. Office, 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. 1901 -- Dec 19, Blast Furnace Gas Explosion, Jones & Laughlin Co., Pittsburgh, PA -- 10-15
18. 1902 -- Nov 01, Boiler Explosion, Swift & Co. Power Plant, Chicago, IL -- 13-15
19. 1881 -- Jan 6, Big Puddle Boiler Explosion, Allentown Rolling Mill Co., PA -- 13-14
20. 1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA741 -- 14
21. 1910 -- May 17, Boiler Explosion, American Sheet and Tin Plate Co., Canton, OH -- 13
22. 1860 -- Sep 24, Boiler Explosion, W. W. Wallace Marble Works, Pittsburgh, PA -- 10-12
23. 1897 -- July 6, Wheat thrashing machine boiler explosion, Hartsville area, TN -- 9-12
24. 1911 -- Feb 8, Boiler Explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
25. 1901 -- Aug 18, Blast Furnace Explosion, National Steel Co., Youngstown, OH -- 9-11
26. 1866 -- Sep 12, Boiler Explosion, S&G Rork Sawing Mill, Albany, NY -- 10
27. 1901 -- March 11, Boiler explosion, Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10
28. 1908 -- Aug 10, Boiler Explosion, Susquehanna Iron & Steel Co., York, PA -- 10

Other:
29. 1903 -- March 31, Blast Furnace Expols., Edgar Thomson Plant, Braddock, PA -- 9
30. 1933 -- March 25, Gasoline Stove Explosion under whisky still, home fire, ~Fargo, OK742 -- 7
31. 1982 -- Jan 19, Water heater explosion, Star Elementary School cafeteria, Spencer, OK -- 7
32. 2010 -- April 2, Explosion (heat exchanger), Tesoro Refinery, Anacortes, WA -- 7
33. 1999 -- Feb 1, Boiler Explosion, Ford Motor’s River Rouge complex, Dearborn, MI -- 6
34. 1891 -- June 3, Boiler Explosion, Dusard Brothers’ Saw Mill, near Fayetteville, IN -- 5

737 Cross-listed in Fire, Structural.
738 Cross-listed under Fire.
739 Cross-listed in Rail.
740 Cross-listed in Fires-Structural and in Violence/Trampling.
741 Cross-listed in Fires-Structural. Most deaths were from the vaporizer explosion and a few from the resulting fire.
742 When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.
EXPLOSIONS (Industrial/Commercial) Subset – MACHINERY, BOILERS, ENGINES
(Excludes Maritime/Mining) – CHRONOLOGICAL – Deadliest American

1. 1850 -- Feb 04, Boiler Explosion, Taylor & Co., Hague St., Manhattan, NY\(^743\) --60-75
2. 1854 -- Mar 2, 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 6, Geasy & Ward’s Cabinet Makers Boiler Explosion & Fire, Philly, PA --22-27
5. 1867 -- Nov 8, Boiler Explosion, Reese & Co. Rolling-Mill, Pitt Township, PA --17-20
6. 1881 -- Jan 6, 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 3, Boiler Explosion, Dusard Brothers’ Saw Mill, near Fayetteville, IN -- 5
9. 1895 -- Aug 19, Boiler Explosion/Fire, Gumry Hotel, Denver, CO -- 25
11. 1897 -- July 6, Wheat thrashing machine boiler explosion, Hartsville area, TN -- 9-12
12. 1901 -- Mar 11, Boiler Explos., Doremus Laundry, 458 W. Madison, Chicago, IL -- ~10
13. 1901 -- Aug 18, Blast Furnace Explosion, National Steel Co., Youngstown, OH -- 9-11
14. 1901 -- Nov 26, Boiler Explosion and Fire, Penberthy Injector Co., Detroit, MI --29-30
15. 1901 -- Dec 19, Blast Furnace Gas Explos., Jones & Laughlin Co., Pittsburgh, PA --10-15
16. 1902 -- Aug 20, Explosion, wood digesters, Delaware Pulp Mills, Wilmington, DE -- 17
17. 1902 -- Nov 29, Boiler Explosion, Swift & Co. Power Plant, Chicago, IL --13-15
    1903 -- Mar 31, Blast Furnace Explos., Edgar Thomson Plant, Braddock, PA -- 9
18. 1905 -- Mar 20, Boiler Explos./Fire, Grover & Co. Shoe Factory, Brockton, MA\(^744\) -- 58
19. 1907 -- Jan 09, Explosion, Eliza Furnaces, Jones & Laughlin Steel, Pittsburgh, PA --12-34
20. 1908 -- Aug 10, Boiler Explosion, Susquehanna Iron & Steel Co., York, PA -- 10
21. 1910 -- May 17, Boiler Explosion, American Sheet and Tin Plate Co., Canton, OH -- 13
22. 1910 -- Dec 29, Boiler explosion, Morewood Lake Ice Co., south of Pittsfield, MA -- 17
23. 1911 -- Feb 08, Boiler Explosion, MO, KS & TX Rail Roundhouse, Smithville, TX -- 12
24. 1912 -- Mar 18, Boiler Explosion, Train Engine, So. Pacific Yard, San Antonio TX\(^745\) -- 36
25. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA\(^746\) --25-28
26. 1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA\(^747\) -- 14
27. 1962 -- Oct 03, Boiler Explosion, NY Telephone Co. Office, Manhattan, NY -- 23
    1982 -- Jan 19, Water heater explosion, Star Elementary School cafeteria, Spencer, OK-- 7
    1999 -- Feb 1, Boiler Explosion, Ford Motor’s River Rouge complex, Dearborn, MI -- 6

\(^743\) Cross-listed in Fire, Structural.
\(^744\) Cross-listed under Fire.
\(^745\) Cross-listed in Rail.
\(^746\) Cross-listed in Fires/Structural and in Violence/Trampling.
\(^747\) Cross-listed in Fires-Structural. Most deaths were from the vaporizer explosion and a few from the resulting fire.
2010 -- April 2, Explosion (heat exchanger), Tesoro Refinery, Anacortes, WA -- 7
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
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<tr>
<td>1887</td>
<td>Nov 1</td>
<td>Explosion/fire, Newman’s Grocery Store/Tenement</td>
<td>St. Louis, MO</td>
<td>8-10</td>
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<tr>
<td>1919</td>
<td>Jan 07</td>
<td>Explosion and Fire, Film Exchange, Penn Ave., Pittsburgh, PA</td>
<td>Pittsburgh, PA</td>
<td>10-12</td>
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<tr>
<td>1928</td>
<td>Apr 13</td>
<td>Explosion/Bldg. Collapse/Fire, Bond Dance Hall</td>
<td>West Plains, MO</td>
<td>37-40</td>
</tr>
<tr>
<td>1946</td>
<td>Feb 02</td>
<td>Explosion/Fire, Jennings Hall Home for Aged</td>
<td>Garfield Heights, OH</td>
<td>14</td>
</tr>
<tr>
<td>1955</td>
<td>Aug 10</td>
<td>Explosion (sewer gas?) &amp; Fire, Gateway Restaurant</td>
<td>Andover, OH</td>
<td>22</td>
</tr>
<tr>
<td>2010</td>
<td>Apr 20</td>
<td>Drill Rig <em>Deepwater Horizon</em> Explosion</td>
<td>Gulf of Mexico, ~50m, LA</td>
<td>11</td>
</tr>
</tbody>
</table>

748 Cross-listed in Fire.
749 Cross-listed in Fire-Structural.
Multiple-Death Fires (All Types --Top Ten)\textsuperscript{750}

1. 1906 -- Apr 18, Earthquake, Fire, Landslides, San Francisco & vicinity, CA\textsuperscript{751} --3,000-5,000
2. 2001 -- Sep 11, World Trade Center Terrorist Attack and Fires, NYC, NY\textsuperscript{752} --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 \textit{Sultana} explodes/burns, MS. Riv., Redman Point, AR\textsuperscript{753}--1,547-1,947
6. 1903 -- Dec 30, Fire, suffocation, trampling, Iroquois Theater, Chicago, IL\textsuperscript{754} -- 602
7. 1918 -- Oct 12, Forest Fires, Cloquet, Moose Lake, many towns, northeast MN --453-559
9. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA\textsuperscript{755}-- 498
10. 1894 -- Sep 01, Wildfire, Hinckley, Pokegania, Mission Creek destroyed, MN --418-450

\textsuperscript{750} Includes Forest/wildfires, fires from maritime events, 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.)

\textsuperscript{751} Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

\textsuperscript{752} Cross-listed in Violence-Terrorism section.

\textsuperscript{753} 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.

\textsuperscript{754} Cross-listed in Violence-Crushing, Trampling, Suffocation.

\textsuperscript{755} Cross-listed in Violence-Crushing, Trampling, Suffocation.
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. 1881 -- Sep 1-6, Wildfire, “The Thumb Fire,” Lower MI --169-500
4. 1894 -- Sep 01, Wildfire, Hinckley, Pokegania, Mission Creek destroyed, MN --418-450
5. 1825 -- Oct 07, Wildfires, Miramichi (Canada) and ME --300
6. 1871 -- Oct 8-9, Wildfires, esp. Port Huron, St. Clair Co., Manistee County, MI --756--169-~200
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 9-15, 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. --37-47
12. 2017 -- Nov 8-11, esp. 8th-9th, Wildfires, esp. Camp Fire (85), Butte Co., Paradise, CA -- 88
13. 2013 -- June 30, Wildfire, Granite Mt. Hotshot Firefighters killed, Yarnell Hill, AZ -- 19
14. 1894 -- July 26-30, Forest Fires, 8 counties, especially Phillips, Price County, WI --25
16. 1937 -- Aug 21, Blackwater Wildfire, Shoshone National Forest, WY -- 15
17. 1953 -- July 09, Rattlesnake Wildfire, Mendocino National. Forest, CA -- 15
18. 1898 -- Feb 16-17, Wildfires, SC -- 14
20. 1949 -- Aug 05, Mann Gulch Forest Fire, Gates of the Mountain, MT -- 13
21. 1893 -- May, Forest Fire, Lumber Camp, near Cadillac MI --10-12
22. 1943 -- Oct 03, Hauser Creek Wildfire, Cleveland National Forest, So. CA -- 11
24. 1994 -- July 06, South Canyon Wildfire, Storm King Mt., Glenwood Springs, CO -- 14
25. 1966 -- Nov 01, Loop Wildfire, near Angeles National Forest, LA County, CA -- 12
26. 2006 -- Mar 12, Wildfire (fire/evac. accidents, 7 direct 5 indirect), Northeastern TX -- 12
27. 1936 -- Sep 26-29, Wildfires, SW OR, esp. Bandon & Prosper (Sep 26), (also NO CA)-- 11
28. 1942 -- Oct 03, Hauser Creek Wildfire, Cleveland National Forest, So. CA -- 11
29. 1935 -- Nov 24, Inaja Wildland Fire, Cleveland National Forest, CA -- 11
30. 2018 -- July 13-Sep 19, Wildfires, Carr/8, Ferguson/2, Mendocino Complex/1, CA -- 11
31. 1867 -- Oct 7, Prairie Fire, Gov. stock yard and Indian Camp, Fort Ransom, ND -- 10
32. 1936 -- Sep 26-29, Wildfires, SW OR, esp. Bandon & Prosper (Sep 26), (also NO CA)-- 11
33. 1942 -- Oct 03, Hauser Creek Wildfire, Cleveland National Forest, So. CA -- 11
34. 1956 -- Nov 24, Inaja Wildland Fire, Cleveland National Forest, CA -- 11
35. 1867 -- Oct 7, Prairie Fire, Gov. stock yard and Indian Camp, Fort Ransom, ND -- 10
36. 2007 -- Oct 20-Nov 9, Wildfires (23), Southern CA -- 10

FIRES -- FOREST, PRAIRIE and WILDFIRES -- By MORTALITY (continued)

756 This is not a double counting of deaths of those in the Peshtigo/upper MI listing above, which were unconnected.
757 The Nowicki Siding train derailment and burning (15-16 fatalities) is cross-listed in Rail.
758 Cross-listed in Violence-Arson.
759 Cross-listed in Violence-Arson.
Some Select Other Wildfires taking fewer than ten lives:

1938 -- Oct 19, Forest Fire (arson), Pepper Hill, ~Sinnemahoning, Cameron Co., PA -- 8
2012 -- March-July 1, Wildfires, Western U.S., esp. CA, CO, MT, UT, WY -- 8
1955 -- Sep 2, Wildfire, 5 Youths, Fire Cpt., fighting arson brush fire, Puente Hills, CA -- 6
2006 -- Oct 26, Wildfire, Esperanza fire traps USFS Firefighters, San Jacinto Mts. So. CA-- 5
1938 -- Oct 10-11, Forest Fires, Border area of Ontario (19) and MN (3) -- 3
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Deaths or Damage</th>
</tr>
</thead>
<tbody>
<tr>
<td>1825</td>
<td>Oct 7</td>
<td>Wildfires, Miramichi (Canada) and ME</td>
<td>Miramichi, Canada and ME</td>
<td>300</td>
</tr>
<tr>
<td>1867</td>
<td>Oct 7</td>
<td>Prairie Fire, Gov. stock yard and Indian Camp, Fort Ransom, ND</td>
<td>ND</td>
<td>10</td>
</tr>
<tr>
<td>1871</td>
<td>Oct 8-9</td>
<td>Wildfires, both sides Bay of Green Bay, esp. Peshtigo; Birch Creek, MI</td>
<td>MI and upper MI</td>
<td>1,228-2,400</td>
</tr>
<tr>
<td>1871</td>
<td>Oct 8-9</td>
<td>Wildfires, esp. Port Huron, St. Clair Co., Manistee County, MI</td>
<td>MI and Manistee County</td>
<td>169--200</td>
</tr>
<tr>
<td>1881</td>
<td>Sep 1-6</td>
<td>Wildfire, “The Thumb Fire,” Lower Michigan</td>
<td>MI</td>
<td>169-500</td>
</tr>
<tr>
<td>1893</td>
<td>May</td>
<td>Forest Fire, Lumber Camp, near Cadillac MI</td>
<td>Cadillac MI</td>
<td>10-12</td>
</tr>
<tr>
<td>1894</td>
<td>July 26-30</td>
<td>Forest Fires, 8 counties, especially Phillips, Price County, WI</td>
<td>WI</td>
<td>20</td>
</tr>
<tr>
<td>1894</td>
<td>Sep 01</td>
<td>Wildfire, Hinckley, Pokegania, Mission Creek destroyed, MN</td>
<td>MN</td>
<td>418-450</td>
</tr>
<tr>
<td>1898</td>
<td>Feb 16-17</td>
<td>Wildfires, SC</td>
<td>SC</td>
<td>14</td>
</tr>
<tr>
<td>1902</td>
<td>Sep 9-15</td>
<td>Forest fires, NW OR and esp. Clark/Cowlitz counties, SW WA</td>
<td>WA</td>
<td>58-65</td>
</tr>
<tr>
<td>1908</td>
<td>Oct 15</td>
<td>Wildfire (Nowicki Train Fire), NE MI, esp. Metz, Presque Isle Co.</td>
<td>WI</td>
<td>37-47</td>
</tr>
<tr>
<td>1910</td>
<td>Aug 20-Sep 9</td>
<td>Wildfires, ID (84 deaths), MT (7 killed), WA (3 deaths)</td>
<td>ID and WA</td>
<td>94</td>
</tr>
<tr>
<td>1910</td>
<td>Oct 7</td>
<td>Wildfire, Northern MN, esp. Baudette, Pitt, Spooner, MN</td>
<td>MN and WI</td>
<td>32-43</td>
</tr>
<tr>
<td>1911</td>
<td>July 11</td>
<td>Wildfire, Northeast Michigan, esp. Au Sable, Oscoda on Lake Huron</td>
<td>MI</td>
<td>5-12</td>
</tr>
<tr>
<td>1918</td>
<td>Oct 12</td>
<td>Forest Fires, Cloquet, Moose Lake, many towns, northeast MN</td>
<td>MI</td>
<td>453-559</td>
</tr>
<tr>
<td>1933</td>
<td>Oct 03</td>
<td>Urban Wildfire, Griffin Park, Los Angeles, CA</td>
<td>CA</td>
<td>28-33</td>
</tr>
<tr>
<td>1936</td>
<td>Sep 26-29</td>
<td>Wildfires, SW OR, esp. Bandon &amp; Prosper (Sep 26), (also NO CA)</td>
<td>CA and NO CA</td>
<td>11</td>
</tr>
<tr>
<td>1937</td>
<td>Aug 21</td>
<td>Blackwater Wildfire, Shoshone National Forest, WY</td>
<td>WY</td>
<td>15</td>
</tr>
<tr>
<td>1938</td>
<td>Oct 10-11</td>
<td>Forest Fires, Border area of Ontario (19) and MN (3)</td>
<td>ON and MN</td>
<td>3</td>
</tr>
<tr>
<td>1938</td>
<td>Oct 19</td>
<td>Forest Fire (arson), Pepper Hill, ~Sinnemahoning, Cameron Co., PA</td>
<td>PA</td>
<td>8</td>
</tr>
<tr>
<td>1943</td>
<td>Oct 03</td>
<td>Hauser Creek Wildfire, Cleveland National Forest, So. CA</td>
<td>CA</td>
<td>11</td>
</tr>
<tr>
<td>1947</td>
<td>Oct 17-27</td>
<td>Forest Fire, Mount Desert Island, ME</td>
<td>MI</td>
<td>16</td>
</tr>
<tr>
<td>1949</td>
<td>Aug 05</td>
<td>Mann Gulch Forest Fire, Gates of the Mountain, MT</td>
<td>MT</td>
<td>13</td>
</tr>
<tr>
<td>1953</td>
<td>July 09</td>
<td>Rattlesnake Wildfire, Mendocino National. Forest, CA</td>
<td>CA</td>
<td>15</td>
</tr>
<tr>
<td>1955</td>
<td>Sep 02</td>
<td>Wildfire, 5 Youths, Fire Cpt., fighting arson brush fire, Puente Hills, CA</td>
<td>CA</td>
<td>6</td>
</tr>
<tr>
<td>1956</td>
<td>Nov 24</td>
<td>Inaja Wildland Fire, Cleveland National Forest, CA</td>
<td>CA</td>
<td>11</td>
</tr>
<tr>
<td>1966</td>
<td>Nov 1</td>
<td>Loop Wildfire, near Angeles National Forest, LA County, CA</td>
<td>CA</td>
<td>12</td>
</tr>
<tr>
<td>1970</td>
<td>Sep 22-Oct 4</td>
<td>CA Wildfires (some arson), esp. Laguna Fire, esp. Southern CA</td>
<td>CA</td>
<td>13-16</td>
</tr>
<tr>
<td>1991</td>
<td>Oct 20</td>
<td>Wildfire/Firestorm, East Bay Hills, Oakland/Berkeley Hills, CA</td>
<td>CA</td>
<td>25</td>
</tr>
<tr>
<td>1994</td>
<td>July 06</td>
<td>South Canyon Wildfire, Storm King Mt., Glenwood Springs, CO</td>
<td>CO</td>
<td>14</td>
</tr>
</tbody>
</table>

760 This is not a double counting of deaths of those in the Peshtigo/upper MI listing above, which were unconnected.
761 The Nowicki Siding train derailment and burning (15-16 fatalities) is cross-listed in Rail.
29. 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
30. 2007 -- Oct 20-Nov 9, Wildfires (23), Southern CA -- 10

   2012 -- March-July 1, Wildfires, Western U.S., esp. CA, CO, MT, UT, WY -- 8
32. 2013 -- June 30, Wildfire, Granite Mt. Hotshot Firefighters killed, Yarnell Hill, AZ -- 19
33. 2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN 763 -- 14
34. 2017 -- Oct 8-14, Wildfires, Northern CA, esp. Sonoma/Napa/Mendocino/Yuma Cntys -- 42
35. 2018 -- July 13-Sep 19, Wildfires, Carr/8, Ferguson/2, Mendocino Complex/1, CA -- 11
36. 2018 -- Nov 8-11, esp. 8th-9th, Wildfires, esp. Camp Fire (85), Butte Co., Paradise, CA -- 88

762 Cross-listed in Violence-Arson.
763 Cross-listed in Violence-Arson.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1906</td>
<td>Apr 18, Earthquake, Fire, Landslides</td>
<td>San Francisco &amp; vicinity, CA</td>
<td>3,000-5,000</td>
</tr>
<tr>
<td>2001</td>
<td>Sep 11, World Trade Center Terrorist Attack and Fires</td>
<td>NYC, NY</td>
<td>2,666</td>
</tr>
<tr>
<td>1903</td>
<td>Dec 30, Fire, suffocation, trampling</td>
<td>Iroquois Theater, Chicago, IL</td>
<td>602</td>
</tr>
<tr>
<td>1942</td>
<td>Nov 28, Fire/trampling/suffocation</td>
<td>Cocoanut Grove Nightclub, Boston, MA</td>
<td>300-498</td>
</tr>
<tr>
<td>1900</td>
<td>June 30, Fire</td>
<td>Lloyd Piers, Ships, North German Line, Hoboken, NJ</td>
<td>300-400</td>
</tr>
<tr>
<td>1892</td>
<td>Jun 05</td>
<td>Dam Failure, Oil Fire, Titusville, Oil City, PA</td>
<td>350</td>
</tr>
<tr>
<td>1930</td>
<td>Apr 22</td>
<td>Ohio State Penitentiary Fire, Columbus, OH</td>
<td>320-322</td>
</tr>
<tr>
<td>1871</td>
<td>Oct 8–10</td>
<td>Conflagration, The Great Chicago Fire</td>
<td>250-300</td>
</tr>
<tr>
<td>1977</td>
<td>May 28</td>
<td>Beverly Hills Supper Club Fire, Southgate, KY</td>
<td>165</td>
</tr>
<tr>
<td>1911</td>
<td>Mar 25</td>
<td>Fire, Triangle Shirtwaist Company</td>
<td>NYC, NY</td>
</tr>
<tr>
<td>1944</td>
<td>Oct 20</td>
<td>LNG Tank Explosions &amp; Fire</td>
<td>East Ohio Gas Co., Cleveland, OH</td>
</tr>
<tr>
<td>1929</td>
<td>May 15</td>
<td>Cleveland Clinic (Hospital) Fire</td>
<td>Cleveland, OH</td>
</tr>
<tr>
<td>1946</td>
<td>Dec 7</td>
<td>Hotel Winecoff Fire, Atlanta, GA</td>
<td>119</td>
</tr>
<tr>
<td>2003</td>
<td>Feb 20</td>
<td>Fire, Trampling</td>
<td>The Station Nightclub, West Warwick, RI</td>
</tr>
<tr>
<td>1986</td>
<td>Dec 31</td>
<td>Arson Fire Du Pont Plaza Hotel and Casino</td>
<td>San Juan, Puerto Rico</td>
</tr>
<tr>
<td>1958</td>
<td>Dec 01</td>
<td>Our Lady of the Angels Elementary School Fire</td>
<td>Chicago, IL</td>
</tr>
<tr>
<td>1883</td>
<td>Jan 10</td>
<td>Fire (suspected arson)</td>
<td>Newhall House (Hotel), Milwaukee, WI</td>
</tr>
<tr>
<td>1990</td>
<td>Mar 25</td>
<td>Arson Fire, Happy Land Social Club</td>
<td>Bronx, NY</td>
</tr>
<tr>
<td>1980</td>
<td>Nov 21</td>
<td>MGM Grand Hotel Fire</td>
<td>Las Vegas, NV</td>
</tr>
<tr>
<td>1993</td>
<td>Feb 1993</td>
<td>FBI/ATF Siege</td>
<td>Branch Davidian Compound, Waco TX</td>
</tr>
</tbody>
</table>

764 Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.
765 Cross-listed in Violence-Terrorism section.
766 Cross-listed in Violence-Crushing, Trampling, Suffocation.
767 Cross-listed in Violence-Crushing, Trampling, Suffocation.
768 Cross-listed in Maritime Disasters, Explosions/Fires.
769 Cross-listed in Dam Failures.
770 Cross-listed in Violence-Crushing, Trampling, Suffocation.
771 Cross-listed in Structural Failures.
772 Our impression from accounts is that the 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.
773 Cross-listed in Violence-Crushing, Trampling, Suffocation.
774 Cross-listed in Violence-Crushing, Trampling, Suffocation.
775 Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).
776 Cross-listed in Explosions. At least 32 died in fires in nearby houses.
777 Cross-listed in Violence-Crushing, Trampling, Suffocation.
778 Cross-listed in Violence-Mass Murder.
779 Cross-listed in Violence-Mass Murder.
780 Cross-listed in Violence, Government Use of Force.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1811</td>
<td>Dec 26</td>
<td>Theatre Fire, Richmond, VA</td>
<td>61-75</td>
</tr>
<tr>
<td>1850</td>
<td>Feb 04</td>
<td>Boiler Explosion &amp; Fire, Taylor &amp; Co., Hague St., Manhattan, NY</td>
<td>60-75</td>
</tr>
<tr>
<td>1875</td>
<td>May 27</td>
<td>Holyoke Catholic Church Fire, Holyoke, MA</td>
<td>75</td>
</tr>
<tr>
<td>1923</td>
<td>May 17</td>
<td>Fire, Cleveland School District, Kershaw County, near Camden, SC</td>
<td>77</td>
</tr>
<tr>
<td>1850</td>
<td>Jul 09</td>
<td>Fire/Conflagration, Old City Philadelphia, PA</td>
<td>44</td>
</tr>
<tr>
<td>1893</td>
<td>May 13</td>
<td>State Hospital for the Insane Fire, near Lilly (~Johnstown), PA</td>
<td>31-35</td>
</tr>
</tbody>
</table>

**FIRE – Structural – Master List – Deadliest American -- By MORTALITY -- (Cont.)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1946</td>
<td>Jun 05</td>
<td>LaSalle Hotel Fire, Chicago, IL</td>
<td>61</td>
</tr>
<tr>
<td>1905</td>
<td>Mar 20</td>
<td>Boiler Explos./Fire, Grover &amp; Co. Shoe Factory, Brockton, MA</td>
<td>58</td>
</tr>
<tr>
<td>1943</td>
<td>Sep 07</td>
<td>The Gulf Motel Fire, Houston, TX</td>
<td>54</td>
</tr>
<tr>
<td>1965</td>
<td>Aug 09</td>
<td>Titan II ICBM Silo Fire leading to Suffocation, near Searcy, AR</td>
<td>53</td>
</tr>
<tr>
<td>1918</td>
<td>Jul 02</td>
<td>Semet-Solvay Co. TNT Plant Fire/Explosions, Split Rock, NY</td>
<td>50</td>
</tr>
<tr>
<td>1931</td>
<td>Jul 24</td>
<td>Home for the Aged Fire, Pittsburgh, PA</td>
<td>48</td>
</tr>
<tr>
<td>1899</td>
<td>Mar 17</td>
<td>Fire, Windsor Hotel, Fifth Avenue, New York, NY</td>
<td>45</td>
</tr>
<tr>
<td>1850</td>
<td>Jul 09</td>
<td>Fire/Conflagration, Old City Philadelphia, PA</td>
<td>44</td>
</tr>
<tr>
<td>1894</td>
<td>Dec 24</td>
<td>Fire, Chrisman Bros. Hall, Silver Lake, Lake County, OR</td>
<td>43</td>
</tr>
<tr>
<td>1977</td>
<td>Jun 26</td>
<td>Arson Fire, Maury County Jail, Columbia, TN</td>
<td>42</td>
</tr>
<tr>
<td>1872</td>
<td>Nov 9-10</td>
<td>Conflagration (&quot;Great Boston Fire of 1872&quot;), Boston, MA</td>
<td>25-41</td>
</tr>
<tr>
<td>1893</td>
<td>Feb 09</td>
<td>Fire, Strafford County Workhouse, near Dover, NH</td>
<td>41</td>
</tr>
<tr>
<td>1950</td>
<td>Jan 07</td>
<td>Mercy Hospital Fire, Davenport, IO</td>
<td>41</td>
</tr>
<tr>
<td>1968</td>
<td>Apr 05</td>
<td>Gas and Gunpowder Explosion, Fire, Richmond, IN</td>
<td>41</td>
</tr>
<tr>
<td>1973</td>
<td>Feb 10</td>
<td>Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY</td>
<td>40</td>
</tr>
<tr>
<td>1918</td>
<td>Apr 13</td>
<td>State Hospital for the Insane Fire, Norman, OK</td>
<td>37-39</td>
</tr>
<tr>
<td>1888</td>
<td>Nov 09</td>
<td>Fire, Steam-Gauge and Lantern Works, Rochester, NY</td>
<td>34-38</td>
</tr>
<tr>
<td>1914</td>
<td>Mar 08</td>
<td>Fire, wall fall (17th) Missouri Athletic Club (Lodging), St. Louis, MO</td>
<td>37</td>
</tr>
<tr>
<td>1946</td>
<td>Dec 12</td>
<td>Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC</td>
<td>37</td>
</tr>
<tr>
<td>1924</td>
<td>Dec 24</td>
<td>Babbs Switch School Fire, Hobart, OK</td>
<td>36</td>
</tr>
<tr>
<td>2016</td>
<td>Dec 2</td>
<td>Fire, rave party in warehouse, Fruitvale district, Oakland, CA</td>
<td>36</td>
</tr>
<tr>
<td>1903</td>
<td>Nov 21</td>
<td>Railroad Workmen “Shanty” Fire, near Lilly (~Johnstown), PA</td>
<td>31-35</td>
</tr>
<tr>
<td>1913</td>
<td>Jul 21</td>
<td>Fire, Convict Cage, Oakley Convict Farm, Hinds County, MS</td>
<td>35</td>
</tr>
<tr>
<td>1913</td>
<td>Jul 22</td>
<td>Fire, Binghamton Clothing Company, New York City, NY</td>
<td>35</td>
</tr>
</tbody>
</table>

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781 Cross-listed in Explosions.
782 Cross-listed in Explosions. 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.
783 Cross-listed in Explosions.
784 Cross-listed in Explosions.
785 Cross-listed in Violence-Arson.
786 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.
787 Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.
73. 1938 -- May 17, Terminal Hotel Fire, Atlanta, GA -- 35
74. 1941 -- Aug 18, Fire, NY & Cuba Mail Steam Ship Co. Piers, Panuco, Brooklyn, NY -- 34-35
75. 1953 -- Mar 29, Fire, Littlefield Nursing Home, Largo, FL 788 -- 33-35
76. 1934 -- Dec 11, Kerns Hotel Fire, Grand Avenue, Lansing, MI -- 34
77. 1884 -- Jan 05, Fire, Immaculate Conception Academy (Convent/School), Belleville, II -- 32
78. 1943 -- Jan 31, Fire, Lake Forest Park Sanitarium, Lake Forest Park, WA -- 32
79. 1970 -- Jan 09, Harmer House Convalescent/Nursing Home Fire, Marietta, OH -- 32
80. 1973 -- June 24, Arson Fire, gay Upstairs Cocktail Lounge, New Orleans, LA 790 -- 32
81. 1901 -- Jan 08, Fire/Boiler Explosion, Orphan Asylum, Rochester, NY -- 31
82. 1981 -- Jan 09, Fire, Beachview Rest Home (Sheltered Care Facility) Keansburg, NJ -- 31
83. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY 791 -- 30
84. 1851 -- Mar 29, Fire, Littlefield Nursing Home, Largo, FL 788 -- 33-35
85. 1858 -- Feb 20, Fire, Pacific Hotel, St. Louis, MO -- 21-30
86. 1880 -- Nov 15, Fire, Minnesota State Asylum for Insane, St. Paul, MN -- 24-30
87. 1892 -- Feb 07, Fire, Hotel Royal, Fortieth Street & Sixth Avenue, NYC, NY -- 28-30
88. 1916 -- Mar 06, Jail Fire, "El Holocausto," or the "Jail Holocaust," El Paso, TX -- 18-30

FIRE – Structural – Master List – Deadliest American – By MORTALITY – (Cont.)

89. 1955 -- Feb 12, Barton Hotel Fire, Chicago, IL -- 29
90. 1982 -- Nov 8, Fire (intentionally set by inmate), Harrison County Jail, Biloxi, MS -- 29
91. 1850 -- Dec 03, Fire, Maine Insane Asylum, Augusta, ME -- 28
92. 1913 -- Dec 2, Fire, Arcadia Boarding House ("Hotel"/Flop House), Boston, MA -- 28
93. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA 792 -- 25-28
94. 1970 -- Dec 20, Pioneer International Hotel Arson Fire, Tucson, AZ 793 -- 28
95. 1857 -- Oct 19, Fire, Brothel, Stores, Warehouses, S. Water Street, Chicago, IL -- 27
96. 1923 -- Feb 18, Manhattan State Hospital Fire, Ward’s Island, NY -- 27
97. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY 794 -- 26
98. 1816 -- May 10, Explosion, Fire, Trampling, Theater, Wallacetown, VA -- 13-26
99. 1874 -- Sep 19, Fire, Granite Mill (Factory) No. 1, Fall River, MA -- 23-25
100. 1884 -- Dec 18, Fire, St. John’s Home Catholic Orphan Asylum, Brooklyn, NY -- 23-25
101. 1892 -- Feb 07, Fire, Hotel Royal, Fortieth Street & Sixth Avenue, NYC, NY -- 28-30
102. 1901 -- Aug 18, Fire, NY & Cuba Mail Steam Ship Co. Piers, Panuco, Brooklyn, NY -- 34-35
103. 1916 -- May 10, Explosion, Fire, Trampling, Theater, Wallacetown, VA -- 13-26
104. 1874 -- Sep 19, Fire, Granite Mill (Factory) No. 1, Fall River, MA -- 23-25
105. 1892 -- Feb 07, Fire, Hotel Royal, Fortieth Street & Sixth Avenue, NYC, NY -- 28-30
107. 1903 -- Nov 01, “House of All Nations” Tenement Fire, Eleventh Ave., NYC, NY -- 25
108. 1910 -- Nov 26, Fire, Asch Factory, Orange & High Sts., Newark, NJ -- 25
109. 1863 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlanta City, NJ 796 -- 25
110. 1867 -- Feb 07, Dale’s Penthouse Restaurant Fire, Montgomery, AL -- 25

788 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.
789 For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.
790 Cross-listed in Violence-Mass Murder.
791 Cross-listed in Explosions.
792 Cross-listed in Explosions and in Violence/Trampling.
793 Cross-listed in Violence-Mass Murder.
794 Cross-listed in Explosions.
795 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.
796 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted.
107. 1973 -- Nov 15, Apartment House Fire, Los Angeles, CA          --     25
109. 1979 -- April 2, Wayside Inn Boarding Home/Care Facility Fire, Farmington, MO --     25
110. 1982 -- Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA$^{797}$ --24-25
111. 1991 -- Sep 03, Chicken Processing Plant Fire, Hamlet, NC          --     25

**FIRE – Structural – Master List – Deadliest American -- By MORTALITY -- (Cont.)**

112. 1886 -- Dec 28, Fire, Steamer/Boarding House *Bradish Johnson*, Jackson, AL$^{798}$ -- ~24
113. 1910 -- Dec 22-23, Fire, Nelson-Morris Meatpacking Plant, Stockyards, Chicago, IL-- 24
114. 1924 -- May 31, Fire, Hope Development School, Playa Del Rey, near Venice CA --     24
115. 1958 -- March 19, Fire and Floor Collapse, Monarch Underwear Co., NYC, NY --     24
116. 1974 -- Jun 30, Gulliver’s Discotheque Fire, Port Chester, NY --     24
117. 1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL --     24
118. 1980 -- July 26, Brinley Inn Boarding Home (Mental Impairment) Fire, Bradley Beach, NJ-24
119. 1822 -- Jan 24, Fire, Philadelphia Orphan Asylum, Schuylkill & Cherry, Philly PA --     23
120. 1927 -- Apr 23, Fire/Explosions, Briggs Manufacturing Co., Detroit, MI --     23
121. 1947 -- May 14, Minerva Film Co. Fire, Rome, NY --     23
122. 1872 -- Dec 10, Fire, Fifth Avenue Hotel, New York, NY --     22
123. 1929 -- Sep 20, Study Club Dance Hall Fire, Detroit, MI --     22
124. 1934 -- Mar 24, Fire, Federal Transient Bureau Lodging, Lynchburg, VA --     22
125. 1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA$^{799}$ --     22
126. 1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH$^{800}$-- 22
127. 1963 -- Dec 29, Hotel Roosevelt Fire, Jacksonville, FL --     22
128. 1972 -- Sep 24, Plane Crash/Fire, Farrell’s Ice Cream Parlor, Sacramento, CA$^{801}$ --     22
129. 1864 -- Jun 17, Explosion/fire, Washington Arsenal, Greenleaf Pt., $^{802}$ District of Col.$^{803}$-21
130. 1877 -- Apr 11, Fire, Southern Hotel, St. Louis, MO --16-21
131. 1910 -- Oct 1, Los Angeles Trade Unionist Dynamiting and Fire, *LA Times*, CA --     21
132. 1915 -- Oct 28, Fire, Trampling, St. John’s Parochial School, Peabody, MA$^{804}$ --     21
133. 1928 -- Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA$^{805}$-20-21
134. 1945 -- Dec 24, Fire, Niles Street Convalescent Hospital, Hartford, CT --     21
135. 1951 -- Jan 30, Convalescent Home Fire, Hoquiam, WA --     21
136. 1959 -- Mar 5, Fire, Negro Boys Industrial School Reformatory Dorm, Wrightsville AR-21
137. 1965 -- Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA$^{806}$- 21
138. 1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ$^{807}$ --     21

$^{797}$ Cross-listed in Violence-Mass Murder.
$^{798}$ Cross-listed in Maritime.
$^{799}$ Cross-listed in Violence subset Arson.
$^{800}$ Cross-listed in Explosions.
$^{801}$ Cross-listed in Aviation.
$^{802}$ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
$^{803}$ Cross-listed in “Explosions.”
$^{804}$ Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.
$^{805}$ Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.
$^{806}$ 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.
$^{807}$ Cross-listed in Violence-Arson, Manslaughter, Homicide.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Death Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1849</td>
<td>May 17</td>
<td>Fire, 27 Boats, much of Wharf &amp; Business District</td>
<td>St. Louis, MO</td>
<td>3-20</td>
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<tr>
<td>1860</td>
<td>Feb 2</td>
<td>Tenement Building Fire</td>
<td>East Manhattan, NY, NY</td>
<td>10-20</td>
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<tr>
<td>1865</td>
<td>Feb 08</td>
<td>Conflagration Fire</td>
<td>Philadelphia, PA</td>
<td>20</td>
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<tr>
<td>1885</td>
<td>Feb 12</td>
<td>Arson Fire, Dept. for Insane</td>
<td>Blockley Almshouse, Philadelphia, PA</td>
<td>19-20</td>
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<tr>
<td>1888</td>
<td>Aug 03</td>
<td>Fire, Tenement House</td>
<td>197 Bowery, NY, NY</td>
<td>17-20</td>
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<tr>
<td>1902</td>
<td>Feb 22</td>
<td>Fire, Park Avenue Hotel</td>
<td>New York City, NY</td>
<td>20</td>
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<tr>
<td>1905</td>
<td>Mar 14</td>
<td>Fire, Tenement</td>
<td>New York City, NY</td>
<td>20</td>
</tr>
<tr>
<td>1907</td>
<td>July 28</td>
<td>Fire, Tenement House</td>
<td>222 Chrystie Street, East Side, NYC, NY</td>
<td>19-20</td>
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<tr>
<td>1913</td>
<td>Feb 28</td>
<td>Dewey Hotel Fire and possible gas explosion</td>
<td>Omaha, NE</td>
<td>5-20</td>
</tr>
<tr>
<td>1943</td>
<td>Feb 18</td>
<td>Boeing XB-29 Crash into Frye Packing Plant</td>
<td>Fire, Seattle, WA</td>
<td>~20</td>
</tr>
<tr>
<td>1952</td>
<td>Oct 31</td>
<td>Nursing Home Fire</td>
<td>Hillsboro, MO</td>
<td>20</td>
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<tr>
<td>1951</td>
<td>Jan 6</td>
<td>Thomas Hotel Fire</td>
<td>San Francisco, CA</td>
<td>20</td>
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<tr>
<td>1961</td>
<td>Dec 18</td>
<td>Maples (McGraw) Convalescent Home Fire</td>
<td>Fountaintown, IN</td>
<td>20</td>
</tr>
<tr>
<td>1976</td>
<td>Mar 10</td>
<td>Pathfinder (residential) Hotel Natural Gas Explos./Fire</td>
<td>Fremont, NE</td>
<td>19-20</td>
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<tr>
<td>1978</td>
<td>Jan 28</td>
<td>Coates House Hotel Fire</td>
<td>Kansas City, MO</td>
<td>20</td>
</tr>
<tr>
<td>1993</td>
<td>Mar 16</td>
<td>Fire, Paxton Hotel</td>
<td>Chicago, IL</td>
<td>20</td>
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<tr>
<td>1892</td>
<td>Jan 21</td>
<td>Fire, Surgical Institute</td>
<td>Indianapolis, IN</td>
<td>19</td>
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<tr>
<td>1893</td>
<td>July 10</td>
<td>Fire, Columbia Exposition Cold Storage Warehouse</td>
<td>Chicago, IL</td>
<td>17-19</td>
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<tr>
<td>1908</td>
<td>Apr 12</td>
<td>The Great Chelsea Fire/Conflagration</td>
<td>Chelsea, MA</td>
<td>15-19</td>
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<tr>
<td>1940</td>
<td>Jan 03</td>
<td>Fire, Marlborough (Apartment) Hotel</td>
<td>Minneapolis, MN</td>
<td>19</td>
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<tr>
<td>1943</td>
<td>Dec 24</td>
<td>Fire, Standard Hotel</td>
<td>West 42nd Street between 9th and 10th, NYC, NY</td>
<td>19</td>
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<tr>
<td>1945</td>
<td>Feb 17</td>
<td>Fire, Maefair Apartments</td>
<td>Tacoma, WA</td>
<td>19</td>
</tr>
<tr>
<td>1946</td>
<td>Jun 09</td>
<td>Canfield Hotel Fire</td>
<td>Dubuque, IA</td>
<td>19</td>
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<tr>
<td>1956</td>
<td>July 29</td>
<td>Fire/Explosion, McKee tank farm</td>
<td>Shamrock Oil &amp; Gas, Dumas, TX</td>
<td>19</td>
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<tr>
<td>1970</td>
<td>Sep 13</td>
<td>Ponet Square Hotel Fire</td>
<td>Los Angeles, CA</td>
<td>19</td>
</tr>
<tr>
<td>1981</td>
<td>March 14</td>
<td>Royal Beach (Residential) Hotel Fire</td>
<td>Chicago, IL</td>
<td>19</td>
</tr>
<tr>
<td>1876</td>
<td>March 7</td>
<td>Fire, Home for the Aged</td>
<td>East Brooklyn, NY</td>
<td>18</td>
</tr>
<tr>
<td>1885</td>
<td>Jan 18</td>
<td>Fire, Illinois Eastern Hospital for Insane</td>
<td>Kankakee, IL</td>
<td>18</td>
</tr>
<tr>
<td>1885</td>
<td>May 21</td>
<td>Stove Explosions</td>
<td>Fire, Sullivan’s Printing Bldg., Cincinnati, OH</td>
<td>18</td>
</tr>
<tr>
<td>1888</td>
<td>Aug 22</td>
<td>Fire &amp; Bleach Explosion, G. Whiting Paper Mill</td>
<td>Neenah, WI</td>
<td>18</td>
</tr>
<tr>
<td>1951</td>
<td>Sep 17</td>
<td>Shell Refinery cracking unit Explos./Fire</td>
<td>Roxana, Wood River, IL</td>
<td>18</td>
</tr>
</tbody>
</table>

808 Cross-listed in Violence-Arson, Manslaughter, Homicide.
809 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.
810 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.
811 Cross-listed in Violence-Arson, Manslaughter/Homicide.
812 Cross-listed in Explosions.
813 Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.
814 Cross-listed in Explosions (the cause of most, if not all, of the deaths).
172. 1953 -- Sep 07, Fire, Spector Realty Co. Tenement building, State St., Chicago, IL -- 18
173. 1957 -- Nov 16, Fire, Tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY -- 18

FIRE – Structural – Master List – Deadliest American -- By MORTALITY -- (Cont.)

174. 1881 -- Feb 27, Fire, St. Patrick’s Orphanage, Scranton, PA -- 17
175. 1881 -- Dec 10, Lamp Fire, Boarding House, Rock Cut, ~Pittsburgh, PA --16-17
176. 1889 -- Feb 12, Fire, State Insane Asylum, near Yankton, SD -- 17
177. 1945 -- Jan 31, Fire, Lacoste Babies’ Boarding Home & Nursery, Auburn, ME -- 17
178. 1952 -- Nov 26, Fire, Female Ward, Huntington State Mental Hosp., Huntington, WV -- 17
179. 1957 -- Feb 13, Fire, Council Bluffs Convalescent Home, Council Bluffs, IA --16-17
180. 1964 -- May 23, Samoan Fire-Dance Fire, All Hallows Parish Hall, San Fran., CA -- 17
181. 1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL 816 -- 17

182. 1878 -- Apr 7, Fire, Steuben County House (poor house/insane asylum), Bath, NY --15-16
183. 1883 -- Aug 23, George-Whiting Paper Mill Fire/Explosion, Menasha, WI -- 16
184. 1895 -- Dec 31, Fire, Delavan House (Hotel), Albany NY -- 16
185. 1898 -- Mar 16, Fire/Explo., Ayer Bldg. (Mercantile), Wabash Ave., Chicago, IL -- 16
186. 1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ 817 -- 16
187. 1919 -- May 19, Mental Asylum Fire in Columbia, SC -- 16
188. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA 818 --16
189. 1936 -- Feb 12, Fire, Victoria Mansion Hotel, Lexington & Seventh, Lakewood, NJ -- 16
190. 1959 -- Jan 08, Home Wood Stove Fire (15 children and woman), Boswell, OK -- 16
191. 1961 -- Dec 8, Fire, Hartford Hospital, Hartford, CT -- 16
192. 1977 -- Jan 28, Stratford Hotel Fire, Breckenridge, MN -- 16
193. 1989 -- Dec 24, John Seiver Elderly Residence Fire, Johnson City, TN -- 16
194. 2003 -- Feb 26, Fire (set by patient), Greenwood Nursing Home, Hartford, CT -- 16
195. 2003 -- Sep 25, Fire, National Healthcare Center Nursing Home, Nashville, TN -- 16

196. 1860 -- Sep 21, Building falls during fire and explosion (alcohol), New Orleans, LA 819 -- 15
197. 1867 -- Jun 19, Fox’s American Theater Fire, Philadelphia, PA --10-15
198. 1881 -- Jan 07, Fire, Strafford County Farm [for paupers], near Dover, NH --13-15
199. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX 820 --13-15
200. 1884 -- Apr 30, Fire, Van Buren County, MI Poorhouse, near Harford, MI --13-15
201. 1887 -- Mar 18, Fire, Richmond Hotel (Young Men’s Assn.), Buffalo, NY -- 15
202. 1903 -- Dec 18, Fire, Women’s Dormitory Walden University, Nashville, TN -- 9-15
203. 1904 -- June 04, Corning Distillery Fire, Explosions, Building Collapse, Peoria, IL -- 15
204. 1904 -- Sep 04, Fire, 5-Story Tenement, Attorney St., New York City, NY -- 15
205. 1906 -- Oct 25, Fire, Chamber of Commerce Building, Kansas City, KS -- 15
206. 1922 -- Oct 22, Fire, Apartment House, Lexington Avenue, NY, NY -- 15

815 Cross-listed in Explosions.
816 Cross-listed in Explosions, because fires were started by explosions.
817 Cross-listed in Violence-Arson, Manslaughter/Homicide.
818 Cross-listed in Explosions.
819 Cross-listed in Explosions (the explosion caused the building to fall, which was the cause of deaths).
820 Cross listed in Structural Failures.
207. 1945 -- Aug 13, Fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI  -- 15
208. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV821-15
209. 1950 -- Mar 08, Fire, prisoner jail, Sandia Secret Weapons Base, Albuquerque, NM -- 15
210. 1954 -- Mar 31, Fire, Cleveland Hill Elementary School, Cheektowaga, NY -- 15
211. 1957 -- Jan 24, M. Baer Dress Co. Factory Fire, New Haven, CT -- 15
212. 1971 -- Oct 19, Fire, Geiger Nursing Home, TX Township, Honesdale, PA -- 15
213. 1973 -- Dec 04, Caley Nursing and Rehabilitation Center Fire, Wayne, PA -- 15
214. 1978 -- Dec 09, Mental Hospital Fire, Ellsworth, MS -- 15
215. 1984 -- July 4, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA822 -- 15
216. 1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ823 -- 15

FIRE – Structural – By MORTALITY – (continued)

217. 1890 -- Feb 02, Shop and Tenement Fire, North Street, Boston, MA --12-14
218. 1892 -- Apr 27, Fire, Gilmore’s Central Theater, Philadelphia, PA -- 14
219. 1900 -- Jul 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ824--13-14
220. 1902 -- Dec 04, Fire, Lincoln Hotel, Madison Street, Chicago, IL -- 14
221. 1910 -- Dec 21, Fire, Friedlander Leather Remnants Factory, Philadelphia, PA -- 14
222. 1915 -- Oct 25, Fire, Union Paper Box Company, Pittsburgh, PA -- 14
223. 1917 -- Feb 02, Gas Explosion/Fire, Tenement Buildings, Chicago, IL825 -- 14
224. 1920 -- Sep 06, Fire, Houston Hotel, Klamath Falls, OR --10-14
225. 1924 -- Feb 19, Fire, Tenement House, Madison St., New York, NY -- 14
226. 1926 -- July 14, Fire, Twilight Inn, Haines Falls, NY -- 14
227. 1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA826--14
228. 1945 -- Jan 16, Fire, General Clark Hotel/Boarding House, N. Clark St., Chicago, IL-- 14
229. 1946 -- Feb 02, Explosion/Fire, Jennings Hall Home for Aged, Garfield Heights, OH-- 14
230. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK827 -- 14
231. 1975 -- Dec 12, Fire, Apartment Building, San Francisco, CA -- 14
232. 1979 -- Nov 11, Coats Boarding/Nursing House Fire, Pioneer, OH -- 14
233. 1982 -- July 5, Arson Fire, Apartment Building, Waterbury, CT828 -- 14

234. 1833 -- Oct 4, Fire, Eagle Woolen Mills, Allegheny, PA -- 13
235. 1866 -- Jan, Fire Jail and City Guard House, Marietta, GA -- 13
236. 1871 -- Sep 15, Restaurant Fire, Conflagration, Powder Explosion, Pioche, NV -- 13
237. 1877 -- June 8, Fire, Wall Failure, Sanford & Son’s Hat Factory, Bridgeport, CT --11-13
238. 1880 -- Dec 17, Fire, M.H. Birge & Co.’s ‘Manufactury,’” Buffalo, NY -- 13
239. 1890 -- Mar 17, Fire/Bldg. Collapse on firemen, Bowen-Merrill Co., Indianapolis, IN-- 13
240. 1890 -- May 07, Fire, Chenango Co. Poorhouse & Asylum, Preston, NY -- 13
241. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH829 --12-13

821 Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
822 Cross-listed in Violence-Arson, Manslaughter/Homicide.
823 Cross-listed in Violence-Arson, Manslaughter/Homicide.
824 Cross-listed in Violence-Arson, Manslaughter/Homicide.
825 Cross-listed in Explosions.
826 Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.
827 Cross-listed in Violence-Arson.
828 Cross-listed in Violence-Arson.
243. 1918 -- Jan 12, Fire, Boys dorm., Dwight Indian Mission School, Marble City, OK -- 13
244. 1921 -- Jan 30, Fire (cigarette), Colonial Hotel, Newark Street, Hoboken, NJ -- 13
245. 1923 -- Feb 23, Fire, Garage and Apartments, Hatley Building, Kansas City, KS -- 13
246. 1926 -- Jan 23, Fire, Lafayette Hotel, North Seventh Street, Allentown, PA -- 13
247. 1932 -- Jun 7, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH830 -- 13
248. 1941 -- Feb 7, Fire, Salvation Army Homeless Shelter/Lodging, Akard St., Dallas, TX -- 13
249. 1941 -- Mar 10, Strand Theater Fire & Roof Collapse, Brockton, MA -- 13
250. 1942 -- Jan 20, Fire, Melvin Hall Apartments, Lynn, MA -- 13
251. 1953 -- Mar 11, Fire, fermentation bldg. under construct., Anheuser-Busch, Newark NJ -- 13
252. 1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR831 -- 13
253. 1963 -- Dec 25, Oil Heater explodes/house burns (Johnson children), Charleston, SC -- 13
254. 1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL 832 -- 13
256. 1968 -- Aug 31, In-Crowd Lounge/Apartment Fire (possibly Arson), Gary, IN -- 13
257. 1979 -- Oct 19, Typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan -- 13
258. 1982 -- April 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ833 -- 13

FIRE – Structural – By MORTALITY -- (continued)

259. 1857 -- Apr 14, Fire, Warehouse wall/floor collapse, Charles Street, Baltimore, MD -- 12
260. 1870 -- Dec 25, Fire, Spotswood Hotel, Richmond, VA -- 9-12
261. 1881 -- Oct 12, Fire, Randolph Cotton and Woolen Mill, Randolph St., Philly, PA -- 9-12
262. 1882 -- Jan 31, Fire, World Building (Com.), Park Row and Beekman St., NYC, NY -- 12
263. 1887 -- Mar 24, Fire, Colby Iron Mine Boarding House, Bessemer, MI -- 12
264. 1891 -- Dec 09, Fires, Bamberger & Candy/Fireworks bldgs., Main St., Louisville, KY -- 12
265. 1896 -- Sep 05, Fire, Yore’s Opera House, Benton Harbor, MI -- 12
266. 1902 -- Oct 21, Fire, Glucose Sugar Refinery, glucose tank explosion, Chicago, IL -- 11-12
267. 1904 -- Nov 20, Fire, Tenement House, Troutman Street, Brooklyn, NY -- 12
268. 1905 -- Sep 17, Fuse Factory Explosion & Fire, Avon, CT -- 9-12
269. 1908 -- May 03, Fire, Aveline Hotel, Fort Wayne, IN -- 12
270. 1909 -- Nov 08, Explosion, Fire, Robert Morrison Comb Factory, Brooklyn NY834 -- 10-12
271. 1910 -- Mar 25, Fire, L. Fish & Co. Furniture Store, Wabash Ave., Chicago, IL -- 12
272. 1915 -- Nov 06, Fire, Essex Waist Co., Diamond Factory, Brooklyn, NY -- 12
273. 1919 -- Jan 07, Explosion and Fire, Film Exchange, Penn Ave., Pittsburgh, PA835 -- 10-12
274. 1921 -- Nov 14, Fire, Tenement House, 108 West 17th St., NYC, NY -- 10-12
275. 1922 -- Feb 07, Fire, Lexington Hotel, Richmond, VA -- 12
276. 1923 -- Apr 27, Fire, Tenement Building, East 109th Street, NYC, NY -- 12
277. 1926 -- Feb 22, Fire, Schindler’s Prairie House (Hotel), Hurleyville, NY -- 11-12
278. 1941 -- Oct 28, Home Fire, Montclair, NJ -- 12

829 Cross listed in Mines Tunnels and Quarries.
830 Cross-listed in Violence-Arson, Manslaughter/Homicide.
831 Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.
832 Cross-listed in Violence-Arson, Manslaughter/Homicide.
833 Cross-listed in Violence-Arson, Manslaughter/Homicide.
834 Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.
835 Cross-listed in Explosions.
279. 1945 -- May 07, Fire, Victory House (war workers lodging), Mobile, AL   --     12 
280. 1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO^36--  12 
281. 1955 -- Feb 01, Oil Stove Fire (11 children), Tenement, Schuyler St., Amsterdam, NY  -- 12 
282. 1956 -- July 30, Reagan Nursing Home Fire, Puxico, MO   -- 12 
283. 1957 -- Dec 5, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA^37--12 
284. 1961 -- Mar 28, Residential fire (lightning?), Alex Whitehead home, Dotsonville, TN^38--12 
285. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY^39  --12 
286. 1966 -- Jan 06, Fire, Hotel Carlton (and Apartments), St. Paul, MN^40 --11-12 
287. 1966 -- Oct 17, Mercantile Building Fire, New York City, NY   --12 
288. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed St., Moberly, MO^41 --12 
289. 1969 -- Jun 03, Fire, Apartment House, Kansas City, MO   --12 
290. 1969 -- June 8, Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV^42 --12 
292. 1971 -- Apr 25, Fire, Seventh Avenue Apartments Building, Seattle, WA   --12 
293. 1972 -- Jan 16, Pennsylvania House Hotel Fire, Tyrone, PA   --12 
295. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR^43 --12 
296. 1976 -- Dec 22, Fire, Department Store, Fulton St., Brooklyn, NY   --12 
297. 1976 -- Dec 23, Fire, Apartment House, Chicago, IL   --12 
298. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA^44 --12 
299. 1978 -- Dec 07, Fire, Tenement House, Newark, NJ   --12 
300. 1980 -- Dec 18, Fire, Avalon Apartment Building, Salt Lake City, UT   --12 
301. 1982 -- Mar 07, Westchase Hilton Hotel Fire, Houston, TX   --12 
302. 1987 -- Sep 30, Residence Fire, Milwaukee, WI   --12 
303. 1989 -- Oct 05, Fire, Hillhaven Rehabilitation and Convalescent Center, Norfolk VA--12 
304. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM^45 --12 
305. 2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV^46 --12 

FIRE – Structural – By MORTALITY -- (continued)

307. 1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY^47 --11 
308. 1867 -- Jun 18, Fire, Saloon, near Rock Island Railroad Depot, Chicago, IL   --10-11 
309. 1883 -- Mar 10, Fire, Boarding House, Brownsville, ND   --11 
310. 1887 -- July 9, Alcazar Theater Fire and town Conflagration, Hurley, WI  --10-11

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\(^{36}\) Cross-listed in Explosions.  
\(^{37}\) Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.  
\(^{38}\) Cross-listed in Lightning.  
\(^{39}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.  
\(^{40}\) The largest loss of life reported by a newspaper we have seen is 11. The NFPA reports 11 in one source and 12 in another. Neale Ward reports 12 in *Firehouse*. It is unclear to me whether the loss of life was 11 or 12.  
\(^{41}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.  
\(^{42}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.  
\(^{43}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.  
\(^{44}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.  
\(^{45}\) Cross-listed in Structural Failures and in Explosions. Technically perhaps not a “structural” fire.  
\(^{46}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.  
\(^{47}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
311. 1888 -- June 4, Fire, Mundine Hotel, Rockdale, TX -- 11
312. 1891 -- March 13, Fire, Central Tennessee Insane Asylum, near Nashville, TN --10-11
313. 1898 -- Mar 13, Fire, Bowery Mission and Young Men’s Home, NYC, NY -- 11

**FIRE – Structural – By MORTALITY** -- (continued)

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Cause</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>314.</td>
<td>1900</td>
<td>June 15, Tenement Fire, 34 Jackson Street, NYC, NY</td>
<td>--</td>
<td>11</td>
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<tr>
<td>315.</td>
<td>1902</td>
<td>Jan 29, Italian Tenement Fire, Fleet Street, North End, Boston, MA</td>
<td>--10-11</td>
<td></td>
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<tr>
<td>316.</td>
<td>1902</td>
<td>Feb 09, Fire, Empire Hotel lodging house, Olive Street, St. Louis, MO</td>
<td>--</td>
<td>11</td>
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<tr>
<td>317.</td>
<td>1906</td>
<td>Jan 10, West Hotel Fire, Minneapolis, MN</td>
<td>--</td>
<td>11</td>
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<tr>
<td>318.</td>
<td>1907</td>
<td>Sep 05, Fire, Webb Hotel, Shelton, WA</td>
<td>--10-11</td>
<td></td>
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<tr>
<td>319.</td>
<td>1909</td>
<td>Oct 30, Fire, St. Johnsbury, VT</td>
<td>--10-11</td>
<td></td>
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<tr>
<td>320.</td>
<td>1918</td>
<td>Sep 17, Fire, American Button Company Plant, Newark, NJ</td>
<td>--</td>
<td>11</td>
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<tr>
<td>321.</td>
<td>1924</td>
<td>Feb 15, Fire, Lawrence Building, Main Street, Montpelier VT</td>
<td>--</td>
<td>11</td>
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<tr>
<td>322.</td>
<td>1928</td>
<td>Apr 20, Fire, Alexander Industries Plane Plant, Englewood, CO</td>
<td>--</td>
<td>11</td>
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<tr>
<td>323.</td>
<td>1931</td>
<td>Mar 17, Fire, Stockade, County Jail, Kenansville, NC</td>
<td>--</td>
<td>11</td>
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<tr>
<td>324.</td>
<td>1946</td>
<td>Jan 27, Fire, Apartment Building/Rooming House, Kansas City, MO</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>325.</td>
<td>1947</td>
<td>July 29, Butane Gas Expl./fire, Pauline’s Beauty School, Harrisonburg, VA</td>
<td>848-11</td>
<td></td>
</tr>
<tr>
<td>326.</td>
<td>1948</td>
<td>Feb 13, Fire, Apartment Building, Hoage family, Cedar Street, Utica, NY</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>327.</td>
<td>1949</td>
<td>Mar 3, Kerosene Explosion and Fire, Residential, Lakewood, MI</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>328.</td>
<td>1956</td>
<td>Jan 29, MD Oyster Roast Fire, Arundel Park Hall, Brooklyn MD</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>329.</td>
<td>1959</td>
<td>Feb 14, Fire (from gas explosion), Apartment Building, Ashland, KY</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>330.</td>
<td>1959</td>
<td>Mar 15, Fire, Farm House (10 children and farmer), Cross Hill, SC</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>331.</td>
<td>1964</td>
<td>Feb 22, House Fire (Moses James family, 9 children), near Society Hill, SC</td>
<td>--</td>
<td>11</td>
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<tr>
<td>332.</td>
<td>1964</td>
<td>Nov 04, Fire, Dorchester Manor Apartment Hotel, Chicago, IL</td>
<td>--</td>
<td>11</td>
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<tr>
<td>333.</td>
<td>1966</td>
<td>Jan 28, Paramount Hotel Fire, Boston, MA</td>
<td>--</td>
<td>11</td>
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<tr>
<td>334.</td>
<td>1966</td>
<td>Feb 11, Fire, Dwelling, Franklin, PA</td>
<td>--</td>
<td>11</td>
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<tr>
<td>335.</td>
<td>1968</td>
<td>Jul 18, Fire, Dwelling (9 children, 2 adults), St. Albans sec., Queens, NY</td>
<td>--</td>
<td>11</td>
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<tr>
<td>337.</td>
<td>1969</td>
<td>Apr 06, Fire, Wood-Frame Tenement/Apartment House, Bridgeport, CT</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>340.</td>
<td>1975</td>
<td>June 9, Mattress set on Fire, spreads, Seminole County Jail, Sanford, FL</td>
<td>--</td>
<td>11</td>
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<tr>
<td>341.</td>
<td>1979</td>
<td>Dec 27, Fire, Lancaster County Jail, Lancaster, SC</td>
<td>--</td>
<td>11</td>
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<tr>
<td>342.</td>
<td>1980</td>
<td>Jul 24, Explosion/Fire, Vogue Metal Crafts Co./Metgal Mfg., Queens NY</td>
<td>850-11</td>
<td></td>
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<tr>
<td>343.</td>
<td>1981</td>
<td>Jan 11, Single Family Home Fire, East St. Louis, IL</td>
<td>--</td>
<td>11</td>
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<tr>
<td>345.</td>
<td>1985</td>
<td>May 13, Philadelphia Police Bomb MOVE, Rowhouse Fire, PA</td>
<td>852-11</td>
<td></td>
</tr>
<tr>
<td>347.</td>
<td>2001</td>
<td>Jan 03, Single Family Dwelling Fire, Oak Orchard, Sussex Ct., DE</td>
<td>--</td>
<td>11</td>
</tr>
<tr>
<td>348.</td>
<td>2005</td>
<td>Mar 10, Townhouse Mattress Fire, Marrero, LA</td>
<td>--</td>
<td>11</td>
</tr>
</tbody>
</table>

848 Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.
849 Cross-listed in Violence-Arson, Manslaughter/Homicide.
850 Cross-listed in Explosions.
851 Cross-listed in Violence-Arson, Manslaughter/Homicide.
852 Cross-listed in Violence-Governmental Use of Force.
349. 2006 -- Nov 27, Fire, Anderson Guest House (elderly/mentally-impaired), Anderson, MO--11

FIRE – Structural – **By MORTALITY** -- (continued)

350. 1860 -- Mar 28, Fire, 40th Street Tenement House, NYC, NY -- 10
351. 1865 -- Jun 9, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN\(^{853}\) -- ~10
352. 1877 -- Dec 20, Fire, Greenfield Candy Works, Barclay St., NY, NY -- 10
353. 1892 -- Oct 28, Conflagration, Milwaukee, WI -- 10
354. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI\(^{854}\) -- 10
355. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY\(^{855}\) >7->10
356. 1901 -- Nov 06, Fire, Klondyke Theater, Harley, WI -- 10
357. 1905 -- Jan 03, Entire Noweski Family Killed, Fire, Morris Run, PA -- 10
358. 1909 -- Mar 03, Fire, Tenement Building, 374 Seventh Avenue, NYC, NY -- 10
359. 1916 -- Oct 05, Fire, Christian Brothers College, St. Louis, MO -- 10
360. 1919 -- Feb 06, Fire, Tokyo Rooming House, South Weller St., Seattle, WA -- 10
361. 1923 -- Jun 21, Fire, Tenement Building, Federal Street, Chicago, IL -- 10
362. 1929 -- Oct 17, Fire, Portland Hotel, First Avenue, Seattle, WA -- 10
363. 1929 -- Dec 10, Fire (lamp), Pathe Film Studio, Manhattan, NYC, NY -- 10
366. 1935 -- Sep 29, Arson, Tenement, Chicago, IL\(^{856}\) -- 10
367. 1936 -- Feb 3, Fire, Dormitory, Parker Dam construction site, Colorado River, CA -- 10
368. 1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY\(^{857}\) -- 10
369. 1940 -- Jul 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ\(^{858}\) -- 10
370. 1941 -- Feb 05, Fire, New Haven Quilt and Pad Company, New Haven, CT -- 10
371. 1946 -- Jan 28, Gasoline fumes ignite, fire, Tinker Field Hangar ~Oklahoma City, OK-- 10
372. 1950 -- Dec 22, Fire, Walker Convalescent Home (for Elderly), near Amarillo, TX -- 10
374. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY\(^{859}\)--10
375. 1958 -- Apr 05, Home Fire, Porter Township, near Jersey Shore and Williamsport, PA --10
376. 1962 -- Jan 15, Westminster Terrace Nursing Home Fire, Buechel KY -- 10
377. 1963 -- Feb 21, Farm/tenant home Fire, near Luxora, AR -- 10
378. 1963 -- Feb 23, Home Fire (Paul Saville family--wife, 8 children), Morehouse, MO -- 10
379. 1964 -- Sep 12, Farm House Fire (Bowdish/McConnell children), Kasota, MN -- 10
380. 1966 -- Feb 5-6, Kerosene Heater Explosions, Fire, Rooming House, Miami, FL -- 10
381. 1969 -- Apr 5, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR--10
382. 1969 -- Jul 10, Fire, Farm Dwelling (laundry room), Posen, Presque Isle County, MI-- 10
383. 1969 -- Dec 18, Fire, Tenement, Brooklyn, NY -- 10
384. 1971 -- Jan 14, Westminster Terrace Nursing Home Fire, Buechel KY -- 10
385. 1972 -- Jan 26, Fire, Green Nursing Home, Lincoln Heights, OH -- 10

\(^{853}\) Cross-listed in Explosions.
\(^{854}\) Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.
\(^{855}\) Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).
\(^{856}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
\(^{857}\) Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.
\(^{858}\) Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.
\(^{859}\) Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.
FIRE – Structural – By MORTALITY -- (continued)

386. 1972 -- April 4, Fire, Fair Hills Nursing/Boarding Home, Rosecrans, WI
387. 1972 -- May 05, Fire, Carver Nursing Home, Springfield, IL
388. 1972 -- Nov 30, Baptist Towers Senior Citizens Home Fire, Atlanta, GA
389. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ 860
390. 1973 -- July 11, Fire, Apartment Bldg./Rooming House, Main St., Worcester, MA
392. 1976 -- Dec 20, Fire, Apartment House, MacArthur Park, LA, CA
393. 1977 -- Dec 10, Fire, Wenonah Park Building Apartments, Bay City, MI
394. 1977 -- Dec 13, Fire, Providence College Women’s Dormitory, Providence, RI
395. 1978 -- Nov 05, Younkers Dept. Store Fire, Des Moines, IA
396. 1978 -- Nov 26, Fire, Holiday Inn, Greece, NY
397. 1979 -- April 1, Fire, Marietta Manor private care home for elderly, Connellsville, PA
398. 1979 -- Apr 11, Fire, Halfway House (Mental Impairment), Lamont Street, Wash. DC
399. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH 861
400. 1982 -- May 14, Row House Fire, Baltimore, MD
401. 1984 -- Feb 8, Family Row-House Fire, Philadelphia (Kensington section), PA
402. 1985 -- July 23, Fire, Elderly Boarding Home, Sweet Valley, PA
403. 1989 -- Jan 01, Rural House Fire, Remer, MN
404. 1991 -- Feb 16, Fire (extension cord related), Apartment Bldg., New Britain, CT
405. 1991 -- March 4, Crystal Springs Boarding Home Fire, Colorado Springs, CO
406. 1991 -- Dec 9, West Side Apartment Building Fire, Humboldt Park, Chicago, IL
407. 1992 -- June 2, Fire, Nu-Way Development Home (Adult Foster Care), Detroit, MI
408. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA 862
409. 1997 -- May 13, Fire, Board and Care Facility, Harvey’s Lake, PA
410. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apts., Prairie Township, OH
411. 2007 -- Feb 06, Single-Family House Fire, Bardstown, KY
412. 2007 -- March 7, Rowhouse Fire, Bronx, NY
413. 2008 -- Apr 03, Residential Fire, Brockway, PA

Other:
1891 -- Apr 06, Fire, 3 tenement/store houses, NY St., Rochester, Beaver Co., PA
1916 -- Oct 17, Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY
1921 -- Nov 27, Fire, Rialto Theatre, New Haven, CT
1948 -- Mar 10/11, Fire, Highland Hospital for Nervous Disorders, Asheville, NC
1954 -- Mar 19, Kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV 863
1967 -- Jan 14, Row House (Cigarette) Fire, Philadelphia, PA
1972 -- June 17, Fire/building collapse, 9 firefighters killed, Hotel Vendome, Boston, MA
1973 -- Feb 07, Navy Corsair II Plane Crash/Apartment Bldg., Fire, Alameda, CA 864

860 Cross-listed in Violence-Arson, Manslaughter/Homicide.
861 Cross-listed in Violence-Arson, Manslaughter/Homicide.
862 Cross-listed in Violence – Arson.
863 Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.
864 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1984</td>
<td>Feb 4</td>
<td>Home fire, boy playing with lighter, victims 1-8 years old</td>
<td>Tacoma WA</td>
<td>9</td>
</tr>
<tr>
<td>1993</td>
<td>Feb 28</td>
<td>Fire, Apartment Building (8 children, 1 adult)</td>
<td>Ludington, MI</td>
<td>9</td>
</tr>
<tr>
<td>1994</td>
<td>Feb 26</td>
<td>Fire, from candle; rowhouse; power turned off, west Baltimore, MD</td>
<td>Baltimore, MD</td>
<td>9</td>
</tr>
<tr>
<td>2005</td>
<td>May 21</td>
<td>Arson Fire, House during child’s birthday sleepover</td>
<td>Cleveland, OH</td>
<td>8</td>
</tr>
<tr>
<td>2006</td>
<td>Mar 11</td>
<td>Fire, two-story home, Evensville, Rhea County, TN</td>
<td>Tennessee</td>
<td>9</td>
</tr>
<tr>
<td>2007</td>
<td>Jan 13</td>
<td>Fire, Emmons Jr. Apartment Building, Huntington, WV</td>
<td>West Virginia</td>
<td>9</td>
</tr>
<tr>
<td>2007</td>
<td>June 18</td>
<td>Fire, Sofa Super (furniture) Store, Firefighters killed</td>
<td>Charleston, SC</td>
<td>9</td>
</tr>
<tr>
<td>2012</td>
<td>Mar 24</td>
<td>Residential Home Fire, Charleston, WV</td>
<td>West Virginia</td>
<td>9</td>
</tr>
<tr>
<td>2014</td>
<td>Jan 30</td>
<td>Fire, home, linked to electric heater, Mom, children, Depoy, KY</td>
<td>Kentucky</td>
<td>9</td>
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</table>

**FIRE, Structural – By Mortality (continued)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1912</td>
<td>Oct 30</td>
<td>Fire, St. John’s Orphanage, San Antonio, TX</td>
<td>Texas</td>
<td>7-8</td>
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<tr>
<td>1943</td>
<td>Feb 16</td>
<td>Fire, Rooming House, Augusta, ME</td>
<td>Maine</td>
<td>8</td>
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<tr>
<td>1944</td>
<td>April 13</td>
<td>Fire, Douglas County Home (for the poor), near Lawrence, KS</td>
<td>Kansas</td>
<td>8</td>
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<tr>
<td>1944</td>
<td>Dec 30</td>
<td>Residential Home Fire, Columbus, IN</td>
<td>Indiana</td>
<td>8</td>
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<tr>
<td>1948</td>
<td>March 23</td>
<td>Fire, Ward’s Rest/Convalescent Home for elderly, north Omaha, NE</td>
<td>Nebraska</td>
<td>8</td>
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<tr>
<td>1950</td>
<td>March 2</td>
<td>Residential family home fire, Monson, ME</td>
<td>Maine</td>
<td>8</td>
</tr>
<tr>
<td>1959</td>
<td>Apr 28</td>
<td>Fire, coal-burning stove explosion, Nayakik residence, Point Barrow, AK</td>
<td>Alaska</td>
<td>8</td>
</tr>
<tr>
<td>1963</td>
<td>Jan 20</td>
<td>Home fire, thought related to coal stove, kills family, Calhoun, OK</td>
<td>Ohio</td>
<td>8</td>
</tr>
<tr>
<td>1967</td>
<td>July 4</td>
<td>Fire, Shanty Family Residence, Oxford, ME</td>
<td>Maine</td>
<td>8</td>
</tr>
<tr>
<td>1983</td>
<td>Aug 31</td>
<td>Fire, Mentally Handicapped Home, Annandale Village, Suwanee, GA</td>
<td>Georgia</td>
<td>8</td>
</tr>
<tr>
<td>1983</td>
<td>Dec 9</td>
<td>Fire (careless smoking) Row House (five children), west Baltimore, MD</td>
<td>Maryland</td>
<td>8</td>
</tr>
<tr>
<td>1992</td>
<td>Feb 13</td>
<td>Fire (space heaters or smoking) Row House (5 children), Camden NJ</td>
<td>New Jersey</td>
<td>8</td>
</tr>
<tr>
<td>1992</td>
<td>Dec 5</td>
<td>Fire (apparently smoking in bed), Row House (8 children), Chester, PA</td>
<td>Pennsylvania</td>
<td>8</td>
</tr>
<tr>
<td>1998</td>
<td>Apr 27</td>
<td>Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA</td>
<td>Virginia</td>
<td>8</td>
</tr>
<tr>
<td>2007</td>
<td>May 22</td>
<td>Fire (smoking materials), Row House, east Baltimore, MD</td>
<td>Maryland</td>
<td>8</td>
</tr>
<tr>
<td>2010</td>
<td>Dec 28</td>
<td>Fire, Abandoned Warehouse used by homeless, New Orleans, LA</td>
<td>Louisiana</td>
<td>8</td>
</tr>
</tbody>
</table>

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
1909 -- Aug 30, Fire, St. Malachy’s Home for Children, Far Rockaway Beach, NY -- 7
1933 -- Feb 8-9, 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 -- March 6, Children die in home fire, York Beach, ME -- 7
1949 -- March 4, Fire, Woolworth Dept. Store, firefieghters killed, Charleston, WV -- 7
1954 -- April 3, Fire Mother and Six Children Die, Farm House near Tuttle, ND -- 7
1954 -- April 10, Explosion, kerosene put in home stove, fire, Columbia, AL -- 7
1956 -- Dec 23, Fire, Xmas tree wiring short circuit, Doctors’ Hosp., Minneapolis, MN -- 7
1959 -- March 29, Fire, residence, children killed, Danieltown, Brunswick County, VA -- 7
1963 -- April 23, Residential Fire, River Park Drive, Louisville, KY -- 7

865 Cross-listed in Violence – Arson.
866 Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.
867 Cross-listed in Explosions.
1964 -- March 3 Lightning hits residence starting fire, Forrest City, AR

1994 -- Jan 9, Fire (clothing on heating grate), row house (6 children), Baltimore, MD

2006 -- July 20, Fire (over-heated refrigerator), Residential Home, Chickasha, OK

2007 -- Oct 28, Fire, Beach House (young college students), Ocean Isle Beach, NC

2013 -- March 9, Fire, Home (unknown cause), Man, Woman, 5 Children, Gray, KY

1851 -- Oct 15, Fire Orphan Asylum, Cincinnati, OH

1903 -- Feb 20, Fire, Clifton Hotel, Cedar Rapids, IA

1909 -- Apr 11, Urban Conflagration, Lenox, MA

1915 -- Nov 14, Fire, San Antonio Country Club, San Antonio, TX

1954 -- Apr 03, Explosion/fire, kerosene poured in home stove, Glouster, OH

1955 -- Feb 01, Home Fire, all children, Chuckatuck, VA

1959 -- Jan 05, Fire, residential, coal-burning stove, Winstonville, Bolivar County, MS

1959 -- Jan 20, Fire (exploding stove?), residence, children killed, Ashland, ME

1959 -- Mar 16, Fire, residence (father and five children), Superior, WI

1960 -- Mar 27, Home Fire kills widow and five children, Winthrop, ME

1993 -- Feb 27, Arson Fire & Mass Murder, Apartment Building, Providence, RI

2006 -- March 11, Fire, Residential, wood-burning stove probable cause, Shoals, IN

2010 -- Dec 14, Fire, Two Story Brick Row House Home, east Baltimore, MD

2014 -- Aug 29, Mobile home fire (cause undetermined), just outside Garland, NC

2014 -- Nov 1, rooming house fire (landlord charged with manslaughter), Portland, ME

FIRE, Structural – By Mortality (continued)

1902 -- Aug 24, Residential House Fire kills children, Portland, ME

1916 -- Dec 22, Fire, Kansas Masonic Charity Home, Wichita, KS

1935 -- Jan 1, Fire, Cherokee County Home for elderly men dormitory, Gaffney, SC

1950 -- July 16, Arson Fire set by mother kills six of her children, Baltimore, MD

1954 -- Jan 04, Fire, Residential Home, 5 Children Die, Oglethorpe, GA

1954 -- Jan 04, Fire, Home Oil Space Heater Explodes, Old Orchard Beach, ME

1954 -- Jan 21, Stove Explodes, Home Burns, mother and 4 children die, Gordon, NE

1954 -- Aug 23, Children die in residential home fire, Waterville, ME

1955 -- Jan 31, Fire (mother and children), Home Oil Stove, Lakeview, GA

868 Cross-listed in Lightning.
869 Cross-listed in Explosions.
870 Cross-listed in Violence-Arson.
871 Cross-listed in Violence-Arson.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Pages</th>
</tr>
</thead>
<tbody>
<tr>
<td>1956</td>
<td>Dec 23</td>
<td>Fire, Downtown Apartment Bldg., mother, four children</td>
<td>Meriden, CT</td>
<td>5</td>
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<tr>
<td>1958</td>
<td>Nov 27</td>
<td>Fire, Mary Flake Home for Handicapped Children</td>
<td>Warr Acres, OK</td>
<td>5</td>
</tr>
<tr>
<td>1959</td>
<td>Feb 15</td>
<td>Home Fire, thought to be from Coal Cooking Stove</td>
<td>Pinson Fork, KY</td>
<td>5</td>
</tr>
<tr>
<td>1992</td>
<td>Nov 8</td>
<td>Fire (fireplace ashes in box), Home</td>
<td>South Jordan (~Salt Lake), UT</td>
<td>5</td>
</tr>
<tr>
<td>1992</td>
<td>Dec 17</td>
<td>Fire, four-family apartment building</td>
<td>Auburn, WA</td>
<td>5</td>
</tr>
<tr>
<td>2007</td>
<td>Oct 2</td>
<td>Fire, 1,000 deep tunnel at Xcel hydroelectric plant</td>
<td>Georgetown, CO</td>
<td>5</td>
</tr>
</tbody>
</table>
FIRE – STRUCTURAL – CHRONOLOGICAL

1. 1811 -- Dec 26, Theatre Fire, Richmond, VA --61-75
2. 1822 -- Jan 24, Fire, Philadelphia Orphan Asylum, 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, NY872 -- 26
5. 1845 -- July 19, Fire and Explos., New, Broad, Beaver, Broadway Sts., NYC, NY873 -- 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, NY874 --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
11. 1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY875 -- 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 Cave-in & Fire, Pemberton Cotton Mills, Lawrence, MA876 88-200
16. 1860 -- Feb 02, Tenement Building Fire, 142 Elm Street, East Manhattan, NY, NY --10-20
17. 1860 -- Mar 28, Fire, 40th Street Tenement House, NYC, NY -- 10
18. 1860 -- Sep 21, Building falls during fire and explosion (alcohol), New Orleans, LA877-- 15
19. 1864 -- Jun 17, Explosion/fire, Washington Arsenal, Greenleaf Pt., 878 District of Col.879-- 21
20. 1865 -- Feb 08, Conflagration Fire, Philadelphia, PA -- 20
21. 1865 -- Jun 09, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN880 -- ~10
22. 1866 -- Jan, Fire Jail and City Guard House, Marietta, GA -- 13
23. 1867 -- Jun 18, Fire, Saloon, near Rock Island Railroad Depot, Chicago, IL --10-11
24. 1867 -- Jun 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
29. 1872 -- Dec 10, Fire, Fifth Avenue Hotel, New York, NY -- 22

872 Cross-listed in Explosions.
873 Cross-listed under Explosions.
874 Cross-listed under Explosions.
875 Cross-listed in Violence-Mass Murder.
876 Cross-listed under Structural Failures.
877 Cross-listed in Explosions (the explosion caused the building to fall, which was the cause of deaths).
878 Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
879 Cross-listed in “Explosions.”
880 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, NY881  --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
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 ---70--90
46. 1883 -- Mar 10, Fire, Boarding House, Brownsville, ND  -- 11
47. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX882  --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, PA883  --19-20
54. 1885 -- May 21, Stove Explodes, Fire, Sullivan’s Printing Bldg., Cincinnati, OH  -- 18
55. 1886 -- Dec 28, Fire, Steam-Boiling House Bradish Johnson, Jackson, MI884  -- ~24
56. 1887 -- Mar 18, Fire, Richmad Hotel (Young Men’s Asn.), 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
     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

881 Cross-listed under Violence-Crushing, Trampling, Suffocation.
882 Cross listed in Structural Failures.
884 Cross-listed in Maritime.
885 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, Fire, Chenango Co. Poorhouse & Asylum, 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, Fire, Surgical Institute, Illinois and Georgia 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\(^{886}\) -- 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\(^{887}\) --14-20
79. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI\(^{888}\) -- 10
80. 1898 -- Mar 13, Fire, Bowery Mission and Young Men’s Home, NYC, NY -- 11
81. 1898 -- Mar 16, Fire/Explo., 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\(^{889}\) -- 16
85. 1900 -- June 15, Tenement Fire, 34 Jackson Street, NYC, NY -- 11
86. 1900 -- June 30, Fire, Lloyd Piers, Ships, North German Line, Hoboken, NJ\(^{890}\) --300-400
87. 1900 -- July 03, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ\(^{891}\)-13-14
88. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY\(^{892}\) \(\geq7\to10\)

89. 1901 -- Jan 08, Fire/Boiler Explosion, Orphan Asylum, Rochester, NY -- 31
90. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH\(^{893}\) --12-13
92. 1901 -- Nov 06, Fire, Klondyke Theater, Harley, WI -- 10

93. 1902 -- Jan 29, Italian Tenement Fire, Fleet Street, North End, Boston, MA --10-11

\(^{886}\) Cross-listed under Dam Failures
\(^{887}\) 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.
\(^{888}\) Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.
\(^{889}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
\(^{890}\) Cross-listed under Maritime Disasters, Explosions/Fires.
\(^{891}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
\(^{892}\) Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).
\(^{893}\) Cross listed in Mines Tunnels and Quarries.
94. 1902 -- Feb 09, Fire, Empire Hotel lodging house, 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 

**FIRE – STRUCTURAL – CHRONOLOGICAL –** Cont. 

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, IL 894 -- 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 
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, CA 896 -- 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, PA 897 --169-175 
116. 1908 -- Mar 4, Fire, Trampling, Lake View Elementary Sch., Collinwood, OH 898 --172-178 
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 

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, Fire, Business District, St. Johnsbury, VT --10-11 
121. 1909 -- Nov 08, Explosion, Fire, Robert Morrison Comb Factory, Brooklyn NY 899 --10-12 

894 Cross-listed in Violence-Crushing, Trampling, Suffocation. 
895 Cross-listed under Explosions. 
896 Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides. 
897 Cross-listed under Violence-Crushing, Trampling, Suffocation. 
898 Cross-listed under Violence-Crushing, Trampling, Suffocation.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event</th>
<th>Place</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1910</td>
<td>Mar 25</td>
<td>Fire, L. Fish &amp; Co. Furniture Store</td>
<td>Wabash Ave., Chicago, IL</td>
<td>12</td>
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<td>1910</td>
<td>Oct 01</td>
<td>Los Angeles Trade Unionist Dynamiting and Fire</td>
<td>LA Times, CA</td>
<td>21</td>
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<tr>
<td>1910</td>
<td>Nov 26</td>
<td>Fire, Asch Factory, Orange &amp; High Sts., Newark, NJ</td>
<td>--</td>
<td>25</td>
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<tr>
<td>1910</td>
<td>Dec 21</td>
<td>Fire, Friedlander Leather Remnants Factory</td>
<td>Philadelphia, PA</td>
<td>14</td>
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<tr>
<td>1910</td>
<td>Dec 22-23</td>
<td>Fire, Nelson-Morris Meatpacking Plant, Stockyards</td>
<td>Chicago, IL</td>
<td>24</td>
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<tr>
<td>1911</td>
<td>Mar 25</td>
<td>Fire, Triangle Shirtwaist Company</td>
<td>NYC, NY</td>
<td>146-147</td>
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<tr>
<td>1912</td>
<td>Oct 30</td>
<td>Fire, St. John’s Orphanage</td>
<td>San Antonio, TX</td>
<td>7-8</td>
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<tr>
<td>1913</td>
<td>Feb 28</td>
<td>Dewey Hotel Fire and possible gas explosion</td>
<td>Omaha, NE</td>
<td>5-20</td>
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<tr>
<td>1913</td>
<td>July 21</td>
<td>Fire, Convict Cage, Oakley Convict Farm</td>
<td>Hinds County, MS</td>
<td>35</td>
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<tr>
<td>1913</td>
<td>July 22</td>
<td>Binghamton Clothing Company Fire</td>
<td>New York City, NY</td>
<td>35</td>
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<tr>
<td>1913</td>
<td>Dec 2</td>
<td>Fire, Arcadia Boarding House (“Hotel”/Flop House)</td>
<td>Boston, MA</td>
<td>28</td>
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<tr>
<td>1914</td>
<td>Mar 08</td>
<td>Fire, wall fall (17th) Missouri Athletic Club (Lodging)</td>
<td>St. Louis, MO</td>
<td>90137</td>
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<td>1915</td>
<td>Oct 25</td>
<td>Fire, Union Paper Box Company</td>
<td>Pittsburgh, PA</td>
<td>14</td>
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<tr>
<td>1915</td>
<td>Oct 28</td>
<td>Fire, Trampling, St. John’s Parochial School</td>
<td>Peabody, MA</td>
<td>21</td>
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<tr>
<td>1915</td>
<td>Nov 06</td>
<td>Fire, Essex Waist Co., Diamond Factory</td>
<td>Brooklyn, NY</td>
<td>12</td>
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<tr>
<td>1916</td>
<td>Mar 06</td>
<td>Jail Fire, “El Holocausto,” or the “Jail Holocaust,”</td>
<td>El Paso, TX</td>
<td>18-30</td>
</tr>
<tr>
<td>1916</td>
<td>Mar 26</td>
<td>Fire, San Antonio Country Club</td>
<td>San Antonio, TX</td>
<td>6</td>
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<tr>
<td>1916</td>
<td>May 10</td>
<td>Explosion, Fire, Trampling, Theater</td>
<td>Wallacetown, VA</td>
<td>13-26</td>
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<tr>
<td>1916</td>
<td>Oct 05</td>
<td>Fire, Christian Brothers College</td>
<td>St. Louis, MO</td>
<td>10</td>
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<tr>
<td>1916</td>
<td>Oct 17</td>
<td>Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City</td>
<td>NY</td>
<td>9</td>
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<tr>
<td>1916</td>
<td>Nov 22</td>
<td>Fire, Kansas Masonic Charity Home</td>
<td>Wichita, KS</td>
<td>5</td>
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<tr>
<td>1917</td>
<td>Feb 02</td>
<td>Gas Explosion/Fire, Tenement Buildings</td>
<td>Chicago, IL</td>
<td>903</td>
</tr>
<tr>
<td>1918</td>
<td>Jan 12</td>
<td>Fire, Boys dorm., Dwight Indian Mission School</td>
<td>Marble City, OK</td>
<td>13</td>
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<tr>
<td>1918</td>
<td>Apr 13</td>
<td>State Hospital for the Insane Fire</td>
<td>Norman, OK</td>
<td>37-39</td>
</tr>
<tr>
<td>1918</td>
<td>July 2</td>
<td>Semet-Solvay Co. TNT Plant Fire/Explosions</td>
<td>Split Rock, NY</td>
<td>50</td>
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<tr>
<td>1918</td>
<td>Sep 17</td>
<td>Fire, American Button Company Plant</td>
<td>Newark, NJ</td>
<td>11</td>
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<tr>
<td>1919</td>
<td>Jan 07</td>
<td>Explosion and Fire, Film Exchange</td>
<td>Penn Ave., Pittsburgh, PA</td>
<td>905</td>
</tr>
<tr>
<td>1919</td>
<td>Feb 06</td>
<td>Fire, Tokyo Rooming House, South Weller St., Seattle</td>
<td>WA</td>
<td>10-12</td>
</tr>
</tbody>
</table>

899 Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.
900 Cross-listed in Violence-Bombing and Violence-Labor-related.
901 Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.
902 Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.
903 Cross listed in Explosions.
904 Cross-listed under Explosions.
905 Cross-listed in Explosions.
146. 1919 -- May 19, Mental Asylum Fire in Columbia, SC
147. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA

**FIRE** – **STRUCTURAL** – **CHRONOLOGICAL** – Cont.

148. 1920 -- Sep 06, Fire, Houston Hotel, Klamath Falls, OR

149. 1921 -- Jan 30, Fire (cigarette), Colonial Hotel, Newark Street, Hoboken, NJ
150. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA
151. 1921 -- Nov 14, Fire, Tenement House, 108 West 17th St., NYC, NY
152. 1922 -- Feb 07, Fire, Lexington Hotel, Richmond, VA
153. 1922 -- Oct 22, Fire, Apartment House, Lexington Avenue, NY, NY

154. 1923 -- Feb 18, Manhattan State Hospital Fire, Ward’s Island, NY
155. 1923 -- Feb 23, Fire, Garage and Apartments, Hatley Building, Kansas City, KS
156. 1923 -- Apr 27, Fire, Tenement Building, East 109th Street, NYC, NY
157. 1923 -- May 17, Fire, Cleveland School District, Kershaw County, near Camden, SC
158. 1923 -- Jun 21, Fire, Tenement Building, Federal Street, Chicago, IL

159. 1924 -- Feb 15, Fire, Lawrence Building, Main Street, Montpelier VT
160. 1924 -- May 31, Fire, Hope Development School, Playa Del Rey, near Venice CA
161. 1924 -- Dec 24, Babbs Switch School Fire, Hobart, OK

162. 1926 -- Jan 23, Fire, Lafayette Hotel, North Seventh Street, Allentown, PA
163. 1926 -- Feb 22, Fire, Schwindler’s Prairie Hotel, Hurleyville, NY
164. 1926 -- July 14, Fire, Twilight Inn, Haines Falls, NY
165. 1927 -- Apr 23, Fire/Explosions, Briggs Manufacturing Co., Detroit, MI
166. 1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA
167. 1928 -- Apr 20, Fire, Alexander Industries Plane Plant, Englewood, CO
168. 1928 -- Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA

169. 1929 -- May 15, Cleveland Clinic (Hospital) Fire, Cleveland, OH
170. 1929 -- Sep 20, Study Club Fire, Detroit, MI
171. 1929 -- Oct 17, Fire, Portland Hotel, First Avenue, Seattle, WA
172. 1929 -- Dec 10, Fire (lamp), Pathe Film Studio, Manhattan, NYC, NY

173. 1930 -- Apr 22, Ohio State Penitentiary Fire, Columbus, OH
174. 1931 -- Mar 17, Fire, Stockade, County Jail, Kenansville, NC
175. 1931 -- July 24, Home for the Aged Fire, Pittsburgh, PA
176. 1932 -- Jun 07, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH

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906 Cross-listed in Explosions and in Violence/Trampling.
907 Cross-listed in Explosions.
908 Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.
909 Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.
1933 -- Feb 8-9, Millard Hotel Fire, firefighters killed by falling walls, Omaha, NE -- 7

FIRE – Structural -- CHRONOLOGICAL -- (continued)

179. 1934 -- Mar 24, Fire, Federal Transient Bureau Lodging, Lynchburg, VA -- 22
180. 1934 -- Dec 11, Kerns Hotel Fire, Grand Avenue, Lansing, MI -- 34

1935 -- Jan 1, Fire, Cherokee County Home for elderly men dormitory, Gaffney, SC -- 5
181. 1935 -- Sep 29, Arson, Tenement, Chicago, IL911 -- 10

182. 1936 -- Feb 3, Fire, Dormitory, Parker Dam construction site, Colorado River, CA -- 10
183. 1936 -- Feb 12, Fire, Victoria Mansion Hotel, Lexington & Seventh, Lakewood, NJ -- 16
   183. 1936 -- Feb 18, Broyles home fire, overheated stove, South Hutchinson, KS -- 7
184. 1936 -- Apr 06, Tornado and Fire, Cooper Pants Factory, Gainesville, GA912 -- 40-70

185. 1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY913 -- 10

186. 1938 -- May 17, Terminal Hotel Fire, Atlanta, GA -- 35

187. 1940 -- Jan 03, Fire, Marlborough (Apartment) Hotel, Minneapolis, MN -- 19
188. 1940 -- April 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
189. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ914 -- 10

190. 1941 -- Feb 05, Fire, New Haven Quilt and Pad Company, New Haven, CT -- 10
191. 1941 -- Feb 07, Fire, Salvation Army Homeless Shelter/Lodging, Akard St., Dallas, TX -- 13
192. 1941 -- Mar 10, Strand Theater Fire & Roof Collapse, Brockton, MA -- 13
193. 1941 -- Aug 18, Fire, NY & Cuba Mail Steam Ship Co. Piers, Panuco, Brooklyn NY-34-35
194. 1941 -- Oct 28, Home Fire, Montclair, NJ -- 12

195. 1942 -- Jan 20, Fire, Melvin Hall Apartments, Lynn, MA -- 13
196. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA915,498

197. 1943 -- Jan 31, Fire, Lake Forest Park Sanitarium,916 Lake Forest Park, WA -- 32
   1943 -- Feb 11, Fire and Suffocation (elderly), Convalescent Home, Sioux Falls, SD -- 7
   1943 -- Feb 16, Fire, Rooming House, Augusta, ME -- 8
198. 1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA917 -- ~20

910 Cross-listed in Violence-Mass Murder.
911 Cross-listed in Violence-Mass Murder.
912 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.
913 Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.
914 Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.
915 Cross-listed in Violence-Crushing, Trampling, Suffocation.
916 For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.
1944 -- April 13, Fire, Douglas County Home (for the poor), near Lawrence, KS -- 8

1943 -- Sep 07, The Gulf Motel Fire, Houston, TX -- 54

1943 -- Dec 24, Fire, Standard Hotel, West 42nd Street between 9th and 10th, NYC, NY -- 19

FIRE -- Structural -- CHRONOLOGICAL -- (continued)

1944 -- March 6, Children die in home fire, York Beach, ME -- 7
1944 -- March 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA -- 22

1944 -- July 06, Barnum & Ringling Broth. Circus Fire, Stampede, Hartford, CT -- 168-169

1944 -- Oct 20, LNG Tank Explosions/Fire, East Ohio Gas Co., Cleveland, OH -- 128-136
1944 -- Dec 30, Residential Home Fire, Columbus, IN -- 8

1945 -- Jan 16, Fire, General Clark Hotel/Boarding House, N. Clark St., Chicago, IL -- 14
1945 -- Jan 31, Fire, Lacoste Babies’ Boarding Home & Nursery, Auburn, ME -- 17

1945 -- Feb 17, Fire, Maefair Apartments, Tacoma, WA -- 19
1945 -- May 07, Fire, Victory House (war workers lodging), Mobile, AL -- 12

1945 -- Aug 13, Fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI -- 15
1945 -- Dec 24, Fire, Niles Street Convalescent Hospital, Hartford, CT -- 21

1946 -- Jan 27, Fire, Apartment Building/Rooming House, Kansas City, MO -- 11
1946 -- Jan 28, Gasoline fumes ignite, fire, Tinker Field Hangar ~Oklahoma City, OK -- 10

1946 -- Feb 02, Explosion/Fire, Jennings Hall Home for Aged, Garfield Heights, OH -- 14
1946 -- Jun 05, LaSalle Hotel Fire, Chicago, IL -- 61

1946 -- Dec 7, Hotel Winecoff Fire, Atlanta, GA -- 119
1946 -- Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC -- 37

1947 -- May 14, Minerva Film Co. Fire, Rome, NY -- 23
1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO -- 12
1947 -- July 29, Butane Gas Explos./fire, Pauline’s Beauty School, Harrisonburg, VA -- 11

1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV -- 15

1948 -- Feb 13, Fire, Apartment Building, Hoage family, Cedar Street, Utica, NY -- 11
1948 -- March 10/11, Fire, Highland Hospital for Nervous Disorders, Asheville, NC -- 9
1948 -- March 23, Fire, Ward’s Rest/Convalescent Home for elderly, north Omaha, NE -- 8

1949 -- Mar 03, Kerosene Explosion and Fire, Residential, Lakewood, MI -- 11
1949 -- Mar 04, Fire, Woolworth Dept. Store, firefighters killed, Charleston, WV -- 7

1949 -- Apr 4-5, St. Anthony’s Hospital Fire, Effingham, IL -- 74

917 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.

918 Cross-listed in Violence subset Arson.

919 Cross-listed in Explosions. At least 32 died in fires in nearby houses.

920 Cross-listed in Explosions.

921 Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.

922 Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Victims</th>
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<tbody>
<tr>
<td>1950</td>
<td>Jan 07</td>
<td>Mercy Hospital Fire, Davenport, IO</td>
<td>41</td>
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<tr>
<td>1950</td>
<td>Mar 02</td>
<td>Residential family home fire, Monson, ME</td>
<td>8</td>
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<tr>
<td>1950</td>
<td>Mar 08</td>
<td>Fire, prisoner jail, Sandia Secret Weapons Base, Albuquerque, NM</td>
<td>15</td>
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<tr>
<td>1950</td>
<td>July 16</td>
<td>Fire, lead and zinc smelting plant, Lark, UT</td>
<td>5</td>
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<tr>
<td>1950</td>
<td>Dec 22</td>
<td>Fire, Walker Convalescent Home (for Elderly), near Amarillo, TX</td>
<td>10</td>
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<tr>
<td>1951</td>
<td>Jan 30</td>
<td>Convalescent Home Fire, Hoquiam, WA</td>
<td>21</td>
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<tr>
<td>1951</td>
<td>Sep 17</td>
<td>Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL</td>
<td>18</td>
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<tr>
<td>1952</td>
<td>Oct 31</td>
<td>Nursing Home Fire, Hillsboro, MO</td>
<td>20</td>
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<tr>
<td>1952</td>
<td>Nov 26</td>
<td>Fire, Female Ward, Huntington State Mental Hosp., Huntington, WV</td>
<td>17</td>
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<td>1953</td>
<td>Mar 11</td>
<td>Fire, fermentation bldg. under construct., Anheuser-Busch, Newark NJ</td>
<td>13</td>
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<tr>
<td>1953</td>
<td>Mar 29</td>
<td>Fire, Littlefield Nursing Home, Largo, FL</td>
<td>33-35</td>
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<tr>
<td>1953</td>
<td>Sep 07</td>
<td>Fire, Spector Realty Co. Tenement building, State St., Chicago, IL</td>
<td>18</td>
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<tr>
<td>1954</td>
<td>Jan 04</td>
<td>Fire, Residential Home, 5 Children Die, Oglethorpe, GA</td>
<td>5</td>
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<tr>
<td>1954</td>
<td>Jan 04</td>
<td>Fire, Home Oil Space Heater Explodes, Old Orchard Beach, ME</td>
<td>5</td>
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<td>1954</td>
<td>Jan 21</td>
<td>Stove Explodes, Home Burns, mother and 4 children die, Gordon, NE</td>
<td>5</td>
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<td>1954</td>
<td>Mar 19</td>
<td>Kerosene explodes, home woodstove, Spider Ridge, ~Parkersburg, WV</td>
<td>5</td>
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<td>1954</td>
<td>Mar 31</td>
<td>Cleveland Hill Elementary School Fire, Cheektowaga, NY</td>
<td>15</td>
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<tr>
<td>1954</td>
<td>Apr 03</td>
<td>Fire Mother and Six Children Die, Farm House near Tuttle, ND</td>
<td>7</td>
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<tr>
<td>1954</td>
<td>Apr 03</td>
<td>Explosion/fire, kerosene poured in home stove, Glouster, OH</td>
<td>6</td>
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<tr>
<td>1954</td>
<td>Apr 10</td>
<td>Explosion, kerosene put in home stove, fire, Columbia, AL</td>
<td>7</td>
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<tr>
<td>1954</td>
<td>Aug 23</td>
<td>Children die in residential home fire, Waterville, ME</td>
<td>5</td>
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<tr>
<td>1955</td>
<td>Jan 31</td>
<td>Fire (mother and children), Home Oil Stove, Lakeview, GA</td>
<td>5</td>
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<tr>
<td>1955</td>
<td>Feb 01</td>
<td>Oil Stove Fire (11 children), Tenement, Schuyler St., Amsterdam, NY</td>
<td>12</td>
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<tr>
<td>1955</td>
<td>Feb 01</td>
<td>Home Fire, all children, Chuckatuck, VA</td>
<td>6</td>
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<tr>
<td>1955</td>
<td>Feb 12</td>
<td>Barton Hotel Fire, Chicago, IL</td>
<td>29</td>
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<tr>
<td>1955</td>
<td>Aug 10</td>
<td>Explosion (sewer gas?) &amp; Fire, Gateway Restaurant, Andover, OH</td>
<td>22</td>
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<tr>
<td>1956</td>
<td>Jan 29</td>
<td>MD Oyster Roast Fire, Arundel Park Hall, Brooklyn MD</td>
<td>11</td>
</tr>
<tr>
<td>1956</td>
<td>July 29</td>
<td>Fire/Explosion, McKee tank farm, Shamrock Oil &amp; Gas, Dumas, TX</td>
<td>19</td>
</tr>
<tr>
<td>1956</td>
<td>July 30</td>
<td>Reagan Nursing Home Fire, Puxico, MO</td>
<td>12</td>
</tr>
</tbody>
</table>

---

923 Cross-listed in Explosions.
924 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.
925 Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.
926 Cross listed in Explosions.
927 Cross-listed in Explosions.
928 Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.
929 Cross-listed in Explosions.
930 Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.
242. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY

931 1956 -- Dec 23, Fire, Downtown Apartment Bldg., mother, four children, Meriden, CT-- 5

932 1956 -- Dec 23, Fire, Xmas tree wiring short circuit, Doctors’ Hosp., Minneapolis, MN-- 7

FIRE -- Structural -- CHRONOLOGICAL -- (continued)

243. 1957 -- Jan 24, M. Baer Dress Co. Factory Fire, New Haven, CT -- 15

244. 1957 -- Feb 13, Fire, Council Bluffs Convalescent Home, Council Bluffs, IA --16-17

245. 1957 -- Feb 17, Katie Jane Nursing Home Fire, Warrington, MO -- 72

246. 1957 -- Nov 16, Fire, Tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY-- 18

247. 1957 -- Dec 5, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA

248. 1958 -- March 19, Fire and Floor Collapse, Monarch Underwear Co., NYC, NY -- 24

249. 1958 -- Apr 05, Home Fire, Porter Township, near Jersey Shore and Williamsport, PA-- 10

250. 1958 -- Nov 27, Fire, Mary Flake Home for Handicapped Children, Warr Acres, OK-- 5

251. 1959 -- Jan 05, Fire, residential, coal-burning stove, Winstonville, Bolivar Co., MS -- 6

252. 1959 -- Jan 08, Home Wood Stove Fire (15 children and woman), Boswell, OK -- 16

253. 1959 -- Feb 14, Fire (from gas explosion), Apartment Building, Ashland, KY -- 11

254. 1959 -- Feb 15, Home Fire, thought to be from Coal Cooking Stove, Pinson Fork, KY-- 5

255. 1959 -- Mar 5, Fire, Negro Boys Industrial School Reformatory Dorm, Wrightsville AR

256. 1959 -- Mar 15, Fire, Farm House (10 children and farmer), Cross Hill, SC -- 11

257. 1959 -- Mar 16, Fire, residence (father and five children), Superior, WI -- 6

258. 1959 -- Mar 29, Fire, residence, children killed, Danville, Brunswick County, VA-- 7

259. 1959 -- Apr 25, Fire, Waldrop residence, Hill City, near Calhoun, GA -- 6

260. 1959 -- Apr 28, Fire, coal-burning stove explosion, Nayakik residence, Barrow, AK-- 8

261. 1960 -- Mar 27, Home Fire kills widow and five children, Winthrop, ME -- 6


263. 1961 -- Jan 6, Thomas Hotel Fire, San Francisco, CA -- 20

264. 1961 -- Mar 28, Residential fire (lightning?), Alex Whitehead home, Dotsonville, TN

265. 1961 -- Dec 8, Fire, Hartford Hospital, Hartford, CT -- 16

266. 1962 -- Jan 15, Fire, Paladino home, Catholic Point community ~Center Ridge, AR -- 10

267. 1963 -- Jan 20, Home fire, thought related to coal stove, kills family, Calhoun, OK -- 8

268. 1963 -- Feb 21, Farm/tenant home Fire, near Luxora, AR -- 10

269. 1963 -- Feb 23, Home Fire (Paul Saville family--wife, 8 children), Morehouse, MO -- 10

270. 1963 -- Apr 23, Residential Fire, River Park Drive, Louisville, KY -- 7

271. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ

931 Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

932 Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.

933 Cross-listed in Lightning.
FIRE – Structural – CHRONOLOGICAL – (continued)

264. 1963 -- Nov 23, Golden Age Nursing Home Fire, Fitchville, OH -- 63
     1963 -- Dec 16, Children die, Duplex home fire, space heater spilled oil, Portland, ME-- 6
265. 1963 -- Dec 25, Oil Heater explodes/house burns (Johnson children), Charleston, SC-- 13
266. 1963 -- Dec 29, Hotel Roosevelt Fire, Jacksonville, FL -- 22

267. 1964 -- Feb 22, House Fire (Moses James family, 9 children), near Society Hill, SC -- 11
     1964 -- March 3 Lightning hits residence starting fire, Forrest City, AR\textsuperscript{935} -- 7
268. 1964 -- May 23, Samoan Fire-Dance Fire, All Hallows Parish Hall, San Fran., CA -- 17
269. 1964 -- Sep 12, Farm House Fire (Bowdish/McConnell children), Kasota, MN -- 10
270. 1964 -- Nov 04, Fire, Dorchester Manor Apartment Hotel, Chicago, IL -- 11
271. 1964 -- Dec 18, Maples (McGraw) Convalescent Home Fire, Fountaintown, IN -- 20

272. 1965 -- Aug 09, Titan II ICBM Silo Fire leading to Suffocation, near Searcy, AR -- 53
273. 1965 -- Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA\textsuperscript{936} -- 21
274. 1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL\textsuperscript{937} -- 13
275. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY\textsuperscript{938} -- 12

276. 1966 -- Jan 06, Fire, Hotel Carlton (and Apartments), St. Paul, MN\textsuperscript{939} -- 11-12
277. 1966 -- Jan 28, Paramount Hotel Fire, Boston, MA -- 11
278. 1966 -- Feb 5-6, Kerosene Heater Explodes, Fire, Rooming House, Miami, FL -- 10
279. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK\textsuperscript{940} -- 14
280. 1966 -- Oct 17, Mercantile Building Fire, New York City, NY -- 12
     1967 -- Jan 14, Row House (Cigarette) Fire, Philadelphia, PA -- 9
281. 1967 -- Feb 07, Dale’s Penthouse Restaurant Fire, Montgomery, AL -- 25
     1967 -- July 04, Fire, Shanty Family Residence, Oxford, ME -- 8

284. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed St., Moberly, MO\textsuperscript{941} -- 12
285. 1968 -- Feb 11, Fire, Dwelling, Franklin, PA -- 11
286. 1968 -- Apr 05, Gas and Gunpowder Explosion, Fire, Richmond, IN -- 41
287. 1968 -- July 18, Fire, Dwelling (9 children, 2 adults), St. Albans sec., Queens, NY -- 11
288. 1968 -- Aug 31, In-Crowd Lounge/Apartment Fire (possibly Arson), Gary, IN -- 13

\textsuperscript{934} Ex-mental patient and arsonist arrested and “confessed,” but was not indicted.
\textsuperscript{935} Cross-listed in Lightning.
\textsuperscript{936} 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.
\textsuperscript{937} Cross-listed in Violence-Mass Murder.
\textsuperscript{938} Cross-listed in Violence-Mass Murder.
\textsuperscript{939} The largest loss of life reported by a newspaper we have seen is 11. The NFPA reports 11 in one source and 12 in another. Neale Ward reports 12 in \textit{Firehouse}. It is unclear to me whether the loss of life was 11 or 12.
\textsuperscript{940} Cross-listed in Violence-Arson.
\textsuperscript{941} Cross-listed in Violence-Arson, Manslaughter/Homicide.
290. 1969 -- Apr 5, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR-- 10
291. 1969 -- Apr 06, Fire, Wood-Frame Tenement/Apartment House, Bridgeport, CT -- 11
292. 1969 -- June 3, Fire, Apartment House, Kansas City, MO -- 12
293. 1969 -- June 8, Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV942 -- 12
294. 1969 -- July 10, Fire, Farm Dwelling (laundry room), Posen, Presque Isle County, MI-- 10
295. 1969 -- Dec 18, Fire, Tenement, Brooklyn, NY -- 10
296. 1970 -- Jan 09, Convalescent Home Fire, Marietta, OH -- 32
297. 1970 -- Mar 20, Ozark Hotel (“flophouse”), Arson Fire, Seattle, WA943 -- 20
298. 1970 -- Aug 05, Fire, Pensioner Rooming House, E. Hennepin, Minneapolis, MN --11-12
299. 1970 -- Sep 13, Ponet Square Hotel Fire, Los Angeles, CA -- 19
300. 1970 -- Dec 20, Pioneer International Hotel Arson Fire, Tucson, AZ944 -- 28
301. 1971 -- Jan 14, Westminster Terrace Nursing Home Fire, Buechel KY -- 10
302. 1971 -- Apr 25, Fire, Seventh Avenue Apartments Building, Seattle, WA -- 12
303. 1971 -- Aug 15, Fire/Suffocation, Lil-Haven Nursing Home, Salt Lake City, UT -- 6
304. 1972 -- Jan 16, Pennsylvanian House Hotel Fire, Tyrone, PA -- 12
305. 1972 -- Jan 26, Fire, Green Nursing Home, Lincoln Heights, OH -- 10
306. 1972 -- Apr 04, Fire, Fair Hills Nursing/Boarding Home, Rosecrans, WI -- 10
307. 1972 -- May 05, Fire, Carver Nursing Home, Springfield, IL -- 10
308. 1972 -- Sep 24, Plane Crash/Fire, Farrell’s Ice Cream Parlor, Sacramento, CA945 -- 22
309. 1972 -- Nov 30, Baptist Towers Senior Citizens Home Fire, Atlanta, GA -- 10
310. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ946 -- 10
311. 1973 -- Feb 07, Navy Corsair II Plane Crash/Apartment Bldg., Fire, Alameda, CA947-- 8-9
312. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY948-- 40
313. 1973 -- Jun 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA949 -- 32
314. 1973 -- Jul 11, Fire, Apartment Bldg./Rooming House, Main St., Worcester, MA -- 10
316. 1973 -- Sep 29, Arson Fire, Tenement, Eleventh & Willow, Hoboken, NJ950 -- 11

942 Cross-listed in Violence-Arson, Manslaughter/Homicide.
943 Cross-listed in Violence-Arson, Manslaughter/Homicide.
944 Cross-listed in Violence-Arson, Manslaughter/Homicide.
945 Cross-listed in Aviation.
946 Cross-listed in Violence-Arson, Manslaughter/Homicide.
947 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.
948 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.
949 Cross-listed in Violence-Mass Murder.
950 Cross-listed in Violence-Arson, Manslaughter/Homicide.
316. 1973 -- Dec 04, Caley Nursing and Rehabilitation Center Fire, Wayne, PA -- 15
317. 1974 -- Jun 30, Gulliver’s Discotheque Fire, Port Chester, NY -- 24

**FIRE -- Structural -- CHRONOLOGICAL**  -- (continued)

319. 1975 -- June 9, Mattress set on Fire, spreads, Seminole County Jail, Sanford, FL -- 11
320. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR\(^{951}\) -- 12
321. 1975 -- Dec 12, Fire, Apartment Building, San Francisco, CA -- 14
    1975 -- Dec 28, Fire, Breezy Point Inn, Island Lake, near Duluth, MN -- 6
322. 1976 -- Jan 10, Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE\(^{952}\) -- 20
323. 1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL -- 24
326. 1976 -- Dec 20, Fire, Apartment House, MacArthur Park, LA, CA -- 10
327. 1976 -- Dec 22, Fire, Department Store, Fulton St., Brooklyn, NY -- 12
328. 1976 -- Dec 23, Fire, Apartment House, Chicago, IL -- 12
329. 1977 -- Jan 28, Stratford Hotel Fire, Breckenridge, MN -- 16
330. 1977 -- May 28, Beverly Hills Supper Club Fire, Southgate, KY -- 165
331. 1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN\(^{953}\) -- 42
332. 1977 -- Dec 10, Fire, Wenonah Park Building Apartments, Bay City, MI -- 10
333. 1977 -- Dec 13, Fire, Providence College Women’s Dormitory, Providence, RI -- 10
334. 1978 -- Jan 28, Coates House Hotel Fire, Kansas City, MO -- 20
335. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA\(^{954}\) -- 12
336. 1978 -- Nov 05, Younkers Dept. Store Fire, Des Moines, IA -- 10
337. 1978 -- Nov 26, Fire, Holiday Inn, Greece, NY -- 10
338. 1978 -- Dec 07, Fire, Tenement House, Newark, NJ -- 12
339. 1978 -- Dec 09, Mental Hospital Fire, Ellisville, MS -- 15
340. 1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ\(^{955}\) -- 21
341. 1979 -- April 1, Fire, Marietta Manor private care home for elderly, Connellsville, PA-- 10
342. 1979 -- April 2, Wayside Inn Boarding Home/Care Facility Fire, Farmington, MO -- 25
343. 1979 -- Apr 11, Fire, Halfway House (Mental Impairment), Lamont Street, Wah. DC-- 10
344. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH\(^{956}\) -- 10
345. 1979 -- Oct 19, Typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan-- 13
346. 1979 -- Nov 11, Coats Boarding House Fire, Pioneer, OH -- 14

\(^{951}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
\(^{952}\) Cross-listed in Explosions.
\(^{953}\) Cross-listed in Violence-Arson.
\(^{954}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
\(^{955}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
\(^{956}\) Cross-listed in Violence-Arson, Manslaughter/Homicide.
347. 1979 -- Dec 27, Fire, Lancaster County Jail, Lancaster, SC  -- 11

348. 1980 -- July 24, Explosion/Fire, Vogue Metal Crafts Co./Metgal Mfg., Queens, NY 957  -- 11
349. 1980 -- July 26, Brinley Inn Boarding Home (Mental Impairment) Fire, Bradley Beach NJ--24
350. 1980 -- Nov 21, MGM Grand Hotel Fire, Las Vegas, NV  -- 85
351. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson), 958 Harrison, NY -- 26
352. 1980 -- Dec 18, Fire, Avalon Apartment Building, Salt Lake City, UT  -- 12

FIRE -- Structural -- CHRONOLOGICAL -- (continued)

353. 1981 -- Jan 09, Fire, Beachview Rest Home (Sheltered Care Facility) Keansburg, NJ-- 31
354. 1981 -- Jan 11, Single Family Home Fire, East St. Louis, IL  -- 11
355. 1981 -- March 14, Royal Beach (Residential) Hotel Fire, Chicago, IL  -- 19

357. 1982 -- Mar 07, Westchase Hilton Hotel Fire, Houston, TX  -- 12
358. 1982 -- Apr 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ 960  -- 13
359. 1982 -- May 14, Row House Fire, Baltimore, MD  -- 10
360. 1982 -- July 5, Arson Fire, Apartment Building, Waterbury, CT 961  -- 14
361. 1982 -- Sep 4, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA 962  -- 24-25
362. 1982 -- Nov 8, 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 4, Home fire, boy playing with lighter, victims 1-8 years old, Tacoma WA-- 9
363. 1984 -- Feb 8, Family Row-House Fire, Philadelphia (Kensington section), PA  -- 10
364. 1984 -- July 4, Arson, Elliott Chambers Rooming Home Fire, Beverly, MA 963  -- 15
365. 1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL 964  -- 17
366. 1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ 965  -- 15

367. 1985 -- May 13, Philadelphia Police Bomb MOVE, Rowhouse Fire, PA 966  -- 11
368. 1985 -- July 23, Fire, Elderly Boarding Home, Sweet Valley, PA  -- 10

369. 1986 -- Dec 31, Arson Fire Dupont Plaza Hotel and Casino, San Juan, Puerto Rico 967  -- 97

957 Cross-listed in Explosions.
958 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.
959 Cross-listed in Violence-Arson, Manslaughter/Homicide.
960 Cross-listed in Violence-Arson, Manslaughter/Homicide.
961 Cross-listed in Violence-Arson.
962 Cross-listed in Violence-Arson, Manslaughter/Homicide.
963 Cross-listed in Violence-Arson.
964 Cross-listed in Explosions, because fires were started by explosions.
965 Cross-listed in Violence-Arson, Manslaughter/Homicide.
966 Cross-listed in Violence-Governmental Use of Force.
967 Cross-listed in Violence-Arson.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Victims</th>
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<tr>
<td>1987</td>
<td>Sep 30,</td>
<td>Residence Fire, Milwaukee, WI</td>
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<tr>
<td>1987</td>
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<td>FIRE Structural</td>
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<td></td>
<td>(continued)</td>
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<tr>
<td>1989</td>
<td>Jan 01,</td>
<td>Rural House Fire, Remer, MN</td>
<td>10</td>
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<td>Rural House Fire, Remer, MN</td>
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<tr>
<td>1989</td>
<td>Jul 4,</td>
<td>Home Fire, children, locked in house, River Park Drive, Louisville, KY</td>
<td>6</td>
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<tr>
<td>1989</td>
<td>Oct 05,</td>
<td>Fire, Hillhaven Rehabilitation and Convalescent Center, Norfolk VA</td>
<td>12</td>
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<tr>
<td>1989</td>
<td>Dec 24,</td>
<td>John Seiver Elderly Residence Fire, Johnson City, TN</td>
<td>16</td>
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<tr>
<td>1990</td>
<td>Mar 25,</td>
<td>Arson Fire, Happy Land Social Club, Bronx, NY</td>
<td>87</td>
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<td>1991</td>
<td>Sep 03,</td>
<td>Chicken Processing Plant Fire, Hamlet, NC</td>
<td>25</td>
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<td>1991</td>
<td>Dec 9,</td>
<td>West Side Apartment Building Fire, Humboldt Park, Chicago, IL</td>
<td>10</td>
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<tr>
<td>1992</td>
<td>Feb 16,</td>
<td>Fire (extension cord related), Apartment Bldg., New Britain, CT</td>
<td>10</td>
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<tr>
<td>1992</td>
<td>Jun 2,</td>
<td>Fire, Nu-Way Development Home (Adult Foster Care), Detroit, MI</td>
<td>10</td>
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<td>1992</td>
<td>Jul 7,</td>
<td>Arson Fire set by mother kills six of her children, Baltimore, MD</td>
<td>6</td>
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<td>1992</td>
<td>Nov 8,</td>
<td>Fire (fireplace ashes in box), Home, South Jordan (~Salt Lake), UT</td>
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<tr>
<td>1992</td>
<td>Dec 5,</td>
<td>Fire (apparently smoking in bed), Row House (8 children), Chester, PA</td>
<td>8</td>
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<tr>
<td>1992</td>
<td>Dec 17,</td>
<td>Fire, four-family apartment building, Auburn, WA</td>
<td>5</td>
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<tr>
<td>1993</td>
<td>Apr 19,</td>
<td>FBI/ATF attack/fire, Branch Davidian Compound, Waco, TX</td>
<td>75</td>
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<tr>
<td>1993</td>
<td>Feb 27,</td>
<td>Arson Fire &amp; Mass Murder, Apartment Building, Providence, RI</td>
<td>6</td>
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<tr>
<td>1993</td>
<td>Feb 28,</td>
<td>Fire, Apartment Building (8 children, 1 adult), Ludington, MI</td>
<td>9</td>
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<tr>
<td>1993</td>
<td>Mar 16,</td>
<td>Fire, Paxton Hotel, Chicago, IL</td>
<td>20</td>
</tr>
<tr>
<td>1995</td>
<td>Apr 19,</td>
<td>Terrorism, Alfred P. Murrah Federal bldg. Bombing, Oklahoma City</td>
<td>168</td>
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<tr>
<td>1997</td>
<td>May 13,</td>
<td>Fire, Board and Care Facility, Harvey’s Lake, PA</td>
<td>10</td>
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<tr>
<td>1998</td>
<td>Apr 27,</td>
<td>Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington WA</td>
<td>8</td>
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</table>

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968 Cross-listed in Violence-Arson.
969 Cross-listed in Violence-Arson.
970 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).  
971 Cross-listed in Violence-Arson, Manslaughter/Homicide.  
972 Cross-listed in Violence – Arson.  
973 Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).  
974 Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.
386. 1999 -- Jan 1, Fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN-- 6

**FIRE -- Structural -- CHRONOLOGICAL** -- (continued)

387. 2001 -- Jan 03, Single Family Dwelling Fire, Oak Orchard, Sussex Ct., DE -- 11
388. 2001 -- Sep 11, World Trade Center Terrorist Attack and Fires, NYC, NY[^975] --2,666

389. 2003 -- Feb 20, Fire, Trampling, The Station Nightclub, West Warwick, RI[^976] -- 100
390. 2003 -- Feb 26, Fire (set by patient), Greenwood Nursing Home, Hartford, CT -- 16
391. 2003 -- Sep 25, Fire, National Healthcare Center Nursing Home, Nashville, TN -- 16

392. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apts., Prairie Township, OH -- 10

393. 2005 -- March 10, Townhouse Mattress Fire, Marrero, LA -- 11
2005 -- May 21, Arson Fire, House during child’s birthday sleepover, Cleveland, OH[^977] -- 9

2006 -- March 11, Fire, Residential, wood-burning stove probable cause, Shoals, IN-- 6
2006 -- March 11, Fire, two-story home, Evansville, 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), Residential Home, Chickasha, OK -- 7
394. 2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV[^978] -- 12

2007 -- Jan 13, Fire, Emmons Jr. Apartment Building, Huntington, WV -- 9
396. 2007 -- Feb 06, Single-Family House Fire, Bardstown, KY -- 10
397. 2007 -- March 7, 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 2, 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

398. 2008 -- April 3, Residential Fire, Brockway, PA -- 10

2010 -- Dec 14, Fire, Two Story Brick Row House 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

[^975] Cross-listed in Aviation and Violence-Terrorism.
[^976] Cross-listed in Violence-Crushing, Trampling, Suffocation.
2014 -- Nov 1, rooming house fire (landlord charged with manslaughter), Portland, ME-- 6

399. 2016 -- Dec 2, Fire, rave party in warehouse, Fruitvale district, Oakland, CA -- 36

400. 2017 -- Dec 28, Fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY-- 12
### FIRE -- Structural -- Arson Subset

- **1854 -- Apr 25, Arson Fire, Jennings Building (all firemen), Broadway, NY, NY**  
  -- 11

- **1885 -- Feb 12, Arson, Dept. for Insane, Blockley Almshouse, Philadelphia, PA**  
  -- 19-20

- **1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ**  
  -- 16

- **1900 -- July 03, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ**  
  -- 13-14

- **1932 -- June 7, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH**  
  -- 13

- **1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL**  
  -- 10

- **1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA**  
  -- 22

- **1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV**  
  -- 15

- **1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ**  
  -- 25

- **1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY**  
  -- 12

- **1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL**  
  -- 13

- **1966 -- Sep 12, Arson Fire, Lane Hotel, Anchorage, AK**  
  -- 14

- **1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO**  
  -- 12

- **1969 -- June 8, Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV**  
  -- 12

- **1970 -- Mar 20, Ozark Hotel (“flophouse”), Arson Fire, Seattle, WA**  
  -- 20

- **1970 -- Dec 20, Pioneer International Hotel Arson Fire, Tucson, AZ**  
  -- 28

- **1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ**  
  -- 10

- **1973 -- June 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA**  
  -- 32

- **1973 -- Sep 29, Arson Fire, Tenement, Eleventh & Willow, Hoboken, NJ**  
  -- 11

- **1975 -- July 7, Arson Fire, Pomona Hotel, Portland, OR**  
  -- 12

- **1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL**  
  -- 24

- **1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN**  
  -- 42

- **1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA**  
  -- 12

- **1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ**  
  -- 21

- **1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH**  
  -- 10

- **1980 -- Oct 28, Apartment building arson fire kills children, South Side Chicago, IL**  
  -- 10

  -- 11

- **1982 -- Apr 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ**  
  -- 13

- **1982 -- Sep 04, Arson, Dorothy Mae Apartments/Hotel, Los Angeles, CA**  
  -- 24-25

- **1984 -- July 4, Arson, Elliott Chambers Rooming Home Fire, Beverly, MA**  
  -- 15

- **1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ**  
  -- 15

- **1986 -- Dec 31, Arson Fire Dupont Plaza Hotel, San Juan, Puerto Rico**  
  -- 97

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979 All Arson fires are cross-listed in Violence-Arson, Manslaughter/Homicide subset.

980 Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.

981 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Violence-Arson.

982 Cross-listed in Violence-Arson, Manslaughter/Homicide.

983 Originally a hotel, but had become a low-rent apartment building.
33. 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
34. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA -- 10
   1998 -- Apr 27, Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA 984
       Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.
35. 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
36. 2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV -- 12
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, NY 985 -- 11
2. 1857 -- Apr 14, Fire, Warehouse wall/floor collapse, Charles Street, Baltimore, MD -- 12
3. 1957 -- Dec 5, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA 986 -- 12
4. 1865 -- Jun 9, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN 987 -- ~10
5. 1882 -- Jan 31, Fire, World Building (Com.), Park Row and 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
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, PA 988 -- 10-12
13. 1924 -- Feb 15, Fire, Lawrence Building, Main Street, Montpelier VT -- 11
14. 1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY 989 -- 10
15. 1947 -- May 14, Minerva Film Co. Fire, Rome, NY -- 23
16. 1947 -- July 29, Butane Gas Explos./fire, Pauline’s Beauty School, Harrisonburg, VA 990 -- 11
   1949 -- Mar 04, Fire, Woolworth Dept. Store, firefighters killed, Charleston, WV -- 7
17. 1966 -- Oct 17, Mercantile Building Fire, New York City, NY -- 12
18. 1967 -- Feb 07, Dale’s Penthouse Restaurant Fire, Montgomery, AL -- 25
20. 1972 -- Sep 24, Plane Crash/Fire, Farrell’s Ice Cream Parlor, Sacramento, CA 991 -- 22
21. 1976 -- Dec 22, Fire, Department Store, Fulton St., Brooklyn, NY -- 12
22. 1978 -- Nov 05, Younkers Department Store Fire, Des Moines, IA -- 10
   2007 -- June 18, Fire, Sofa Super (furniture) Store, Firefighters killed, Charleston, SC -- 9

985 Cross-listed in Violence-Arson, Manslaughter/Homicide.
986 Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.
987 Cross-listed in Explosions.
988 Cross-listed in Explosions.
989 Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.
990 Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.
991 Cross-listed in Aviation.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
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</thead>
<tbody>
<tr>
<td>1845</td>
<td>July 19</td>
<td>Fire and Explosion, New, Broad, Beaver, Broadway Sts., NYC, NY</td>
<td>-- 30</td>
<td></td>
</tr>
<tr>
<td>1849</td>
<td>May 17</td>
<td>Fire, 27 Boats, much of Wharf &amp; Business District, St. Louis, MO</td>
<td>-- 3-20</td>
<td></td>
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<tr>
<td>1850</td>
<td>July 09</td>
<td>Fire/Conflagration, Old City Philadelphia, PA</td>
<td>-- 44</td>
<td></td>
</tr>
<tr>
<td>1851</td>
<td>May 3-4</td>
<td>Conflagration, “Fifth Great Fire,” San Francisco, CA</td>
<td>-- ~14-~30</td>
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<tr>
<td>1857</td>
<td>Oct 19</td>
<td>Fire, Brothel, Stores, Warehouses, S. Water Street, Chicago, IL</td>
<td>-- 27</td>
<td></td>
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<tr>
<td>1865</td>
<td>Feb 8</td>
<td>Conflagration Fire, Philadelphia, PA</td>
<td>-- 20</td>
<td></td>
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<tr>
<td>1865</td>
<td>Feb 18</td>
<td>Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC</td>
<td>--150-200</td>
<td></td>
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<tr>
<td>1871</td>
<td>Sep 15</td>
<td>Restaurant Fire, Conflagration, Powder Explosion, Pioche, NV</td>
<td>-- 13</td>
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<tr>
<td>1872</td>
<td>Oct 8-10</td>
<td>Conflagration, The Great Chicago Fire, IL</td>
<td>--250-300</td>
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<tr>
<td>1872</td>
<td>Nov 9-10</td>
<td>Conflagration (“Great Boston Fire of 1872”), Boston, MA</td>
<td>--25-41</td>
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<tr>
<td>1892</td>
<td>Oct 28</td>
<td>Conflagration, Milwaukee, WI</td>
<td>-- 10</td>
<td></td>
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<tr>
<td>1906</td>
<td>Apr 18</td>
<td>Earthquake, Fire, Landslides, San Francisco &amp; vicinity, CA</td>
<td>--3,000-5,000</td>
<td></td>
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<tr>
<td>1908</td>
<td>Apr 12</td>
<td>The Great Chelsea Fire/Conflagration of 1908, Chelsea, MA</td>
<td>--15-19</td>
<td></td>
</tr>
<tr>
<td>1909</td>
<td>Apr 11</td>
<td>Urban Conflagration, Lenox, MA</td>
<td>-- 6</td>
<td></td>
</tr>
<tr>
<td>1940</td>
<td>July 30</td>
<td>Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ</td>
<td>-- 10</td>
<td></td>
</tr>
</tbody>
</table>

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992 Cross-listed in Explosions.

993 Our impression from accounts is that the 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.

994 Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.

995 Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Cause</th>
<th>Casualty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1858</td>
<td>Feb 20</td>
<td>Pacific Hotel, St. Louis, MO</td>
<td>Fire</td>
<td>21-30</td>
</tr>
<tr>
<td>1870</td>
<td>Dec 25</td>
<td>Spotswood Hotel, Richmond, VA</td>
<td>Fire</td>
<td>9-12</td>
</tr>
<tr>
<td>1872</td>
<td>Dec 10</td>
<td>Fifth Avenue Hotel, New York, NY</td>
<td>Fire</td>
<td>22</td>
</tr>
<tr>
<td>1877</td>
<td>Apr 11</td>
<td>Southern Hotel Fire, St. Louis, MO</td>
<td>Fire</td>
<td>16-21</td>
</tr>
<tr>
<td>1881</td>
<td>Dec 10</td>
<td>Lamp Fire, Boarding House, Rock Cut, Pittsburgh, PA</td>
<td>Fire</td>
<td>16-17</td>
</tr>
<tr>
<td>1883</td>
<td>Jan 10</td>
<td>Newhall House (Hotel), Milwaukee, WI</td>
<td>Fire (suspected arson)</td>
<td>~70-~90</td>
</tr>
<tr>
<td>1883</td>
<td>Mar 10</td>
<td>Boarding House, Brownsville, ND</td>
<td>Fire</td>
<td>11</td>
</tr>
<tr>
<td>1883</td>
<td>Apr 07</td>
<td>Structural Failure and Fire, Ende Hotel, Greenville, TX</td>
<td>Structural Failure</td>
<td>13-15</td>
</tr>
<tr>
<td>1886</td>
<td>Dec 28</td>
<td>Steamer/Boarding House Bradish Johnson, Jackson, AL</td>
<td>Fire</td>
<td>~24</td>
</tr>
<tr>
<td>1887</td>
<td>Mar 18</td>
<td>Richmond Hotel (Young Men’s Assn.), Buffalo, NY</td>
<td>Fire</td>
<td>15</td>
</tr>
<tr>
<td>1887</td>
<td>Mar 24</td>
<td>Colby Iron Mine Boarding House, Bessemer, MI</td>
<td>Fire</td>
<td>12</td>
</tr>
<tr>
<td>1888</td>
<td>June 04</td>
<td>Mundine Hotel, Rockdale, TX</td>
<td>Fire</td>
<td>11</td>
</tr>
<tr>
<td>1892</td>
<td>Feb 07</td>
<td>Hotel Royal, Fortieth Street &amp; Sixth Avenue, NYC, NY</td>
<td>Fire</td>
<td>28-30</td>
</tr>
<tr>
<td>1895</td>
<td>Dec 31</td>
<td>Delavan House (Hotel), Albany NY</td>
<td>Fire</td>
<td>16</td>
</tr>
<tr>
<td>1898</td>
<td>Mar 13</td>
<td>Bowery Mission and Young Men’s Home, NYC, NY</td>
<td>Fire</td>
<td>11</td>
</tr>
<tr>
<td>1899</td>
<td>Mar 17</td>
<td>Windsor Hotel, Fifth Avenue, New York, NY</td>
<td>Fire</td>
<td>45</td>
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<tr>
<td>1902</td>
<td>Feb 09</td>
<td>Empire Hotel lodging house, Olive Street, St. Louis, MO</td>
<td>Fire</td>
<td>11</td>
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<tr>
<td>1902</td>
<td>Feb 22</td>
<td>Park Avenue Hotel, New York City, NY</td>
<td>Fire</td>
<td>20</td>
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<tr>
<td>1902</td>
<td>Dec 04</td>
<td>Lincoln Hotel, Madison Street, Chicago, IL</td>
<td>Fire</td>
<td>14</td>
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<tr>
<td>1903</td>
<td>Feb 20</td>
<td>Clifton Hotel, Cedar Rapids, IA</td>
<td>Fire</td>
<td>6</td>
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<tr>
<td>1903</td>
<td>Nov 21</td>
<td>Railroad Workmen “Shanty” Fire, near Lilly (~Johnstown), PA</td>
<td>Fire</td>
<td>31-35</td>
</tr>
<tr>
<td>1906</td>
<td>Jan 10</td>
<td>West Hotel Fire, Minneapolis, MN</td>
<td>Fire</td>
<td>11</td>
</tr>
<tr>
<td>1907</td>
<td>Sep 05</td>
<td>Webb Hotel, Shelton, WA</td>
<td>Fire</td>
<td>10-11</td>
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<tr>
<td>1908</td>
<td>May 03</td>
<td>Avilex Hotel, Fort Wayne, IN</td>
<td>Fire</td>
<td>12</td>
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<tr>
<td>1913</td>
<td>Feb 28</td>
<td>Dewey Hotel Fire and possible gas explosion, Omaha, NE</td>
<td>Fire</td>
<td>5-20</td>
</tr>
<tr>
<td>1913</td>
<td>Dec 2</td>
<td>Arcadia Boarding House (“Hotel”/Flop House), Boston, MA</td>
<td>Fire</td>
<td>28</td>
</tr>
<tr>
<td>1914</td>
<td>Mar 08</td>
<td>wall fall (17th) Missouri Athletic Club (Lodging), St. Louis, MO</td>
<td>Fire</td>
<td>37</td>
</tr>
<tr>
<td>1916</td>
<td>Mar 26</td>
<td>San Antonio Country Club, San Antonio, TX</td>
<td>Fire</td>
<td>6</td>
</tr>
<tr>
<td>1919</td>
<td>Feb 06</td>
<td>Tokyo Rooming House, South Weller St., Seattle, WA</td>
<td>Fire</td>
<td>10</td>
</tr>
<tr>
<td>1920</td>
<td>Sep 06</td>
<td>Houston Hotel, Klamath Falls, OR</td>
<td>Fire</td>
<td>10-14</td>
</tr>
<tr>
<td>1921</td>
<td>Jan 30</td>
<td>Colonial Hotel, Newark Street, Hoboken, NJ</td>
<td>Fire (cigarette)</td>
<td>13</td>
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<tr>
<td>1922</td>
<td>Feb 07</td>
<td>Fire, Lexington Hotel, Richmond, VA</td>
<td>Fire</td>
<td>12</td>
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<tr>
<td>1926</td>
<td>Jan 23</td>
<td>Lafayette Hotel, North Seventh Street, Allentown, PA</td>
<td>Fire</td>
<td>13</td>
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<tr>
<td>1926</td>
<td>Feb 22</td>
<td>Schindler’s Prairie House (Hotel), Hurleyville, NY</td>
<td>Fire</td>
<td>11-12</td>
</tr>
<tr>
<td>1926</td>
<td>July 14</td>
<td>Twilight Inn, Haines Falls, NY</td>
<td>Fire</td>
<td>14</td>
</tr>
</tbody>
</table>

996 Cross listed in Structural Failures.
997 Cross-listed in Maritime.
998 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 8-9, 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 17, Terminal Hotel Fire, Atlanta, GA -- 35
39. 1940 -- Jan 3, Fire, Marlborough (Apartment) Hotel, Minneapolis, MN -- 19
40. 1941 -- Feb 7, Fire, Salvation Army Homeless Shelter/Lodging, Akard St., Dallas, TX -- 13
41. 1943 -- Feb 16, Fire, Rooming House, Augusta, ME -- 8
41. 1943 -- Sep 7, The Gulf Motel Fire, Houston, TX -- 54
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, CA 999 -- 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, ME 1000 -- 17
46. 1945 -- May 7, Fire, Victory House (war workers lodging), Mobile, AL -- 12
47. 1946 -- June 5, LaSalle Hotel Fire, Chicago, IL -- 61
48. 1946 -- June 9, Canfield Hotel Fire, Dubuque, IA -- 19
49. 1946 -- Dec 7, Hotel Winecoff Fire, Atlanta, GA -- 119
50. 1955 -- Feb 12, Barton Hotel Fire, Chicago, IL -- 29
51. 1961 -- Jan 06, Thomas Hotel Fire, San Francisco, CA -- 20
52. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ 1001 -- 25
53. 1963 -- Dec 29, Hotel Roosevelt Fire, Jacksonville, FL -- 22
54. 1966 -- Jan 06, Fire, Hotel Carlton (and Apartments), St. Paul, MN 1002 -- 11-12
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, AK 1003 -- 14
57. 1970 -- Mar 20, Arson Fire, Ozark Hotel (“flophouse”), Seattle, WA 1004 -- 20
58. 1970 -- Sep 13, Ponet Square Hotel Fire, Los Angeles, CA -- 19
59. 1970 -- Dec 20, Arson Fire, Pioneer International Hotel, Tucson, AZ 1005 -- 28
60. 1972 -- Jan 16, Pennsylvania House Hotel Fire, Tyrone, PA -- 12
61. 1972 -- June 17, Fire/building collapse, firefighters killed, Hotel Vendome, Boston, MA -- 9

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999 Cross-listed in Violence subset Arson.
1000 This was a boarding home for babies and children up to five. Cross listed in Orphanage, though this was not one.
1001 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted.
1002 The largest loss of life reported by a newspaper we have seen is 11. The NFPA reports 11 in one source and 12 in another. Neale Ward reports 12 in Firehouse. It is unclear to me whether the loss of life was 11 or 12.
1003 Cross-listed in Violence-Arson.
1004 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1005 Cross-listed in Violence-Arson, Manslaughter/Homicide.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location and Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1975</td>
<td>July 07</td>
<td>Pomona Hotel Arson Fire, Portland, OR 1006</td>
</tr>
<tr>
<td>1975</td>
<td>Dec 28</td>
<td>Fire, Breezy Point Inn, Island Lake, near Duluth, MN 1007</td>
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<tr>
<td>1976</td>
<td>Jan 10</td>
<td>Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE 1007 -- 20</td>
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<tr>
<td>1977</td>
<td>Jan 28</td>
<td>Stratford Hotel Fire, Breckenridge, MN 1008</td>
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<tr>
<td>1977</td>
<td>Dec 28</td>
<td>Fire, Breezy Point Inn, Island Lake, near Duluth, MN 1009 -- 6</td>
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<tr>
<td>1978</td>
<td>Jan 10</td>
<td>Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE 1007 -- 20</td>
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<tr>
<td>1978</td>
<td>Nov 05</td>
<td>Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA 1008 -- 12</td>
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<td>1978</td>
<td>Nov 26</td>
<td>Fire, Holiday Inn, Greece, NY 1009</td>
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<tr>
<td>1979</td>
<td>July 31</td>
<td>Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH 1009 -- 10</td>
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<tr>
<td>1979</td>
<td>Nov 26</td>
<td>Fire, Holiday Inn, Greece, NY 1009</td>
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<tr>
<td>1980</td>
<td>Nov 21</td>
<td>MGM Grand Hotel Fire, Las Vegas, NV 1010</td>
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<tr>
<td>1980</td>
<td>Dec 4</td>
<td>Fire, Conference Ctr. at Stouffer’s Inn (possibly arson), Harrison, NY 1011</td>
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<tr>
<td>1981</td>
<td>March 14</td>
<td>Royal Beach (Residential) Hotel Fire, Chicago, IL 1012 -- 19</td>
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<tr>
<td>1982</td>
<td>Mar 07</td>
<td>Westchase Hilton Hotel Fire, Houston, TX 1013</td>
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<tr>
<td>1982</td>
<td>Apr 30</td>
<td>Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ 1014 -- 13</td>
</tr>
<tr>
<td>1982</td>
<td>Sep 04</td>
<td>Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA 1015 -- 24-25</td>
</tr>
<tr>
<td>1984</td>
<td>July 4</td>
<td>Arson Fire, Elliott Chambers Rooming Home, Beverly, MA 1016 -- 15</td>
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<tr>
<td>1984</td>
<td>Oct 18</td>
<td>Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ 1017 -- 15</td>
</tr>
<tr>
<td>1986</td>
<td>Dec 31</td>
<td>Arson Fire Dupont Plaza Hotel, San Juan, Puerto Rico 1018 -- 97</td>
</tr>
<tr>
<td>1993</td>
<td>Mar 16</td>
<td>Fire, Paxton Hotel, Chicago, IL 1019</td>
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<tr>
<td>2006</td>
<td>Oct 31</td>
<td>Arson Fire, Mizpah Hotel, North Lake St., Reno, NV 1020 -- 12</td>
</tr>
<tr>
<td>2007</td>
<td>Oct 28</td>
<td>Fire, Beach House (young college students), Ocean Isle Beach, NC 1021 -- 7</td>
</tr>
</tbody>
</table>

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1006 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1007 Cross-listed in Explosions.
1008 Cross-listed in Violence-Arson.
1009 Cross-listed in Violence-Arson.
1010 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.
1011 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1012 Cross-listed in Violence-Arson.
1013 Cross-listed in Violence-Arson.
1014 Cross-listed in Violence-Arson. (Originally a hotel, but had become a low-rent apartment building.)
1015 Cross-listed in Violence-Arson.
1016 Cross-listed in Violence-Arson.
1017 Owned by a family, but used as a vacation and rental structure, not a home.
1. 1833 -- Oct 04, Fire, Eagle Woolen Mills, Allegheny, PA -- 13
2. 1841 -- Aug 20, Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY -- 26
3. 1850 -- Feb 04, Boiler Explosion & Fire, Taylor & Co., Hague St., Manhattan, NY --60-75
4. 1860 -- Jan 10, Build. Cave-in/Fire, Pemberton Cotton Mills, Lawrence, MA --88-200
5. 1864 -- Jun 17, Explosion/fire, Washington Arsenal, Greenleaf Pt., District of Col. --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
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
13. 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
15. 1889 -- Nov 30, Fire, Tribune Building, Minneapolis, MN -- 7
16. 1893 -- Feb 09, Fire, Strafford County Workhouse, near Dover, NH -- 41
17. 1898 -- Feb 09, Fire & Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA --14-20
18. 1898 -- Mar 16, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI -- 10
19. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY --7->10
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
24. 1905 -- Sep 17, Fuse Factory Explosion & Fire, Avon, CT -- 9-12
25. 1909 -- Nov 08, Explosion, Fire, Robert Morrison Comb Factory, Brooklyn NY --10-12
29. 1911 -- Mar 25, Fire, Triangle Shirtwaist Company, NYC, NY --146-147

1018 Cross-listed in Explosions.
1019 Cross-listed in Explosions.
1020 Cross-listed in Structural Failures.
1021 Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
1022 Cross-listed in “Explosions.”
1023 Cross-listed in Explosions (the cause of most, if not all, of the deaths).
1024 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.
1025 Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.
1026 This was a mixed-use building with retail and wholesale commercial enterprises, as well as manufacturing.
1027 Cross-listed in Fire in that a fire of undetermined source led to a series of explosions (which caused the fatalities).
1028 Cross-listed in Explosions.
1029 Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.
30. 1913 -- July 22, Binghamton Clothing Company Fire, New York City, NY -- 35

**Fire - Industrial.** Production, Wholesale – Factories, Manufacturing, Warehouses -Chronological

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\(^\text{1030}\) -- 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\(^\text{1031}\) --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\(^\text{1032}\) -- 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\(^\text{1033}\) --20–21
40. 1929 -- Dec 10, Fire (lamp), Pathe Film Studio, Manhattan, NYC, NY -- 10
42. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ\(^\text{1034}\) -- 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\(^\text{1035}\)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. 1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO\(^\text{1036}\) -- 12
   1950 -- July 16, Fire, lead and zinc smelting plant, Lark, UT -- 5
48. 1951 -- Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL\(^\text{1037}\) -- 18
49. 1953 -- Mar 11, Fire, fermentation bldg. under construct., Anheuser-Busch, Newark NJ-- 13
51. 1956 -- July 29, Fire/Explosion, McKee tank farm, Shamrock Oil & Gas, Dumas, TX\(^\text{1038}\) -- 19
52. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY\(^\text{1039}\) -- 10
53. 1957 -- Jan 24, M. Baer Dress Co. Factory Fire, New Haven, CT -- 15
54. 1958 -- March 19, Fire and Floor Collapse, Monarch Underwear Co., NYC, NY -- 24
55. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY\(^\text{1040}\) -- 40
56. 1984 -- July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL\(^\text{1041}\) -- 17
57. 1991 -- Sep 03, Chicken Processing Plant Fire, Hamlet, NC -- 25
   2007 -- Oct 2, Fire, 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO -- 5
   2010 -- Dec 28, Fire, Abandoned Warehouse used by homeless, New Orleans, LA -- 8

\(^{1030}\) Cross-listed in Explosions.
\(^{1031}\) Cross-listed in Explosions.
\(^{1032}\) Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.
\(^{1033}\) Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.
\(^{1034}\) Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.
\(^{1035}\) Cross-listed in Explosions. At least 32 died in fires in nearby houses.
\(^{1036}\) Cross-listed in Explosions.
\(^{1037}\) Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.
\(^{1038}\) Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.
\(^{1039}\) 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.
\(^{1040}\) Cross-listed in Explosions, because fires were started by explosions.
**Fires, Structural -- Institutional – Hospitals subtype -- Chronological**

1. 1892 -- Jan 21, Fire, Surgical Institute, Illinois and Georgia streets, Indianapolis, IN -- 19
2. 1923 -- Feb 18, Manhattan State Hospital Fire, Ward’s Island, NY -- 27
3. 1929 -- May 15, Cleveland Clinic (Hospital) Fire, Cleveland, OH -- 125
4. 1945 -- Dec 24, Fire, Niles Street Convalescent Hospital, Hartford, CT -- 21
5. 1949 -- Apr 4-5, St. Anthony’s Hospital Fire, Effingham, IL -- 74
6. 1950 -- Jan 07, Mercy Hospital Fire, Davenport, IA -- 41
   1956 -- Dec 23, Fire, Xmas tree wiring short circuit, Doctors’ Hosp., Minneapolis, MN-- 7
7. 1961 -- Dec 8, Fire, Hartford Hospital, Hartford, CT -- 16
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1850</td>
<td>Dec 03</td>
<td>Fire, Maine Insane Asylum, Augusta, ME</td>
</tr>
<tr>
<td>1880</td>
<td>Nov 15</td>
<td>Fire, Minnesota State Asylum for Insane, St. Paul, MN</td>
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<tr>
<td>1885</td>
<td>Jan 18</td>
<td>Fire, Illinois Eastern Hospital for Insane, Kankakee, IL</td>
</tr>
<tr>
<td>1885</td>
<td>Feb 12</td>
<td>Arson fire, Dept. for Insane, Blockley Almshouse, Philadelphia PA</td>
</tr>
<tr>
<td>1891</td>
<td>March 13</td>
<td>Fire, Central Tennessee Insane Asylum, near Nashville, TN</td>
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<tr>
<td>1899</td>
<td>Feb 12</td>
<td>Fire, State Insane Asylum, near Yankton, SD</td>
</tr>
<tr>
<td>1902</td>
<td>June 09</td>
<td>Fire, St. Luke’s Society Sanitarium, Wabash / 21st, Chicago, IL</td>
</tr>
<tr>
<td>1918</td>
<td>Apr 13</td>
<td>State Hospital for the Insane Fire, Norman, OK</td>
</tr>
<tr>
<td>1919</td>
<td>May 19</td>
<td>Mental Asylum Fire in Columbia, SC</td>
</tr>
<tr>
<td>1943</td>
<td>Jan 31</td>
<td>Fire, Lake Forest Park Sanitarium, Lake Forest Park, WA</td>
</tr>
<tr>
<td>1948</td>
<td>Mar 10/11</td>
<td>Fire, Highland Hospital for Nervous Disorders, Asheville, NC</td>
</tr>
<tr>
<td>1952</td>
<td>Nov 26</td>
<td>Fire, Female Ward, Huntington State Mental Hosp., Huntington, WV</td>
</tr>
<tr>
<td>1978</td>
<td>Dec 09</td>
<td>Mental Hospital Fire, Ellisville, MS</td>
</tr>
<tr>
<td>1979</td>
<td>Apr 11</td>
<td>Fire, Halfway House (Mental Impairment), Lamont Street, Wash. DC</td>
</tr>
<tr>
<td>1980</td>
<td>July 26</td>
<td>Brinley Inn Boarding Home (Mental Impairment) Fire, Bradley Beach, NJ</td>
</tr>
<tr>
<td>1983</td>
<td>Aug 31</td>
<td>Fire, Mentally Handicapped Home, Annandale Village, Suwanee, GA</td>
</tr>
<tr>
<td>1992</td>
<td>June 2</td>
<td>Fire, Nu-Way Development Home (Adult Foster Care), Detroit, MI</td>
</tr>
<tr>
<td>1998</td>
<td>Apr 27</td>
<td>Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA</td>
</tr>
<tr>
<td>2006</td>
<td>Nov 27</td>
<td>Fire, Anderson Guest House (elderly/mentally-impaired), Anderson MO</td>
</tr>
</tbody>
</table>

1042 Cross-listed in Violence-Arson.
1043 For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.
1044 Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.
1. 1876 -- March 7, Fire, Home for the Aged, East Brooklyn, NY -- 18
   1916 -- Dec 22, Fire, Kansas Masonic Charity Home, Wichita, KS\textsuperscript{1046} -- 5
2. 1931 -- July 24, Home for the Aged Fire, Pittsburgh, PA -- 48
   1943 -- Feb 11, Fire and Suffocation (elderly), Convalescent Home, Sioux Falls, SD -- 7
4. 1946 -- Feb 02, Explosion/Fire, Jennings Hall Home for Aged, Garfield Heights, OH -- 14
   1948 -- March 23, Fire, Ward’s Rest/Convalescent Home for elderly, north Omaha, NE-- 8
5. 1950 -- Dec 22, Fire, Walker Convalescent Home (for Elderly), near Amarillo, TX -- 10
6. 1951 -- Jan 30, Convalescent Home Fire, Hoquiam, WA -- 21
7. 1952 -- March 31, Nursing Home Fire, Hillsboro, MO -- 20
8. 1953 -- Mar 29, Fire, Littlefield Nursing Home, Largo, FL\textsuperscript{1047} --33-35
10. 1957 -- Feb 13, Fire, Council Bluffs Convalescent Home, Council Bluffs, IA --16-17
11. 1957 -- Feb 17, Katie Jane Nursing Home Fire, Warrington, MO -- 72
12. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ\textsuperscript{1048} -- 25
14. 1964 -- Dec 18, Maples (McGraw) Convalescent Home Fire, Fountaintown, IN -- 20
15. 1970 -- Jan 09, Harmer House Convalescent/Nursing Home Fire, Marietta, OH -- 32
16. 1970 -- Aug 05, Fire, Pensioner Rooming House, E. Hennepin, Minneapolis, MN\textsuperscript{1049} --11-12
17. 1971 -- Jan 14, Westminster Terrace Nursing Home Fire, Buechel KY -- 10
   1971 -- Sep 15, Fire/Suffocation, Lil-Haven Nursing Home, Salt Lake City, UT -- 6
18. 1971 -- Oct 19, Fire, Geiger Nursing Home, TX Township, Honesdale, PA -- 15
19. 1972 -- Jan 26, Fire, Green Nursing Home, Lincoln Heights, OH -- 10
20. 1972 -- Apr 04, Fire, Fair Hills Nursing/Boarding Home, Rosecrans, WI -- 10
21. 1972 -- May 05, Fire, Carver Nursing Home, Springfield, IL -- 10
22. 1972 -- Nov 30, Baptist Towers Senior Citizens Home Fire, Atlanta, GA -- 10
23. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ\textsuperscript{1050} -- 10
25. 1973 -- Dec 04, Caley Nursing and Rehabilitation Center Fire, Wayne, PA -- 15
27. 1979 -- Apr 1, Fire, Marietta Manor private care home for elderly, Connellsville, PA -- 10
28. 1979 -- April 2, Wayside Inn Boarding Home/Care Facility Fire, Farmington, MO -- 25
29. 1979 -- Nov 11, Coats Boarding/Nursing House Fire, Pioneer, OH -- 14
30. 1981 -- Jan 09, Fire, Beachview Rest Home (Sheltered Care Facility) Keansburg, NJ -- 31
31. 1985 -- July 23, Fire, Elderly Boarding Home, Sweet Valley, PA -- 10
32. 1989 -- Oct 05, Fire, Hillhaven Rehabilitation and Convalescent Center, Norfolk, VA -- 12
33. 1989 -- Dec 24, John Seiver Elderly Residence Fire, Johnson City, TN -- 16
34. 1991 -- Mar 04, Crystal Springs Estates Boarding Home Fire, Colorado Springs, CO -- 10

\textsuperscript{1046} This was also an orphanage, but none of the fatalities were children. Section of home that burned was for elderly Masonic Lodge members.

\textsuperscript{1047} 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.

\textsuperscript{1048} Ex-mental patient and arsonist arrested and “confessed,” but was not indicted.

\textsuperscript{1049} Cross-listed in Structural Fire subset of Apartment/Boarding/Rooming House Fires. Most victims were retirees.

\textsuperscript{1050} Cross-listed in Violence-Arson, Manslaughter/Homicide.
35. 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, WA\(^{1051}\) -- 8

**Fires - Institutional - Nursing, Convalescent, Elderly Boarding, Retirement Homes** - Chronological (cont.)

36. 2003 -- Feb 26, Fire (set by patient), Greenwood Nursing Home, Hartford, CT -- 16
37. 2003 -- Sep 25, Fire, National Healthcare Center Nursing Home, Nashville, TN -- 16
38. 2006 -- Nov 27, Fire, Anderson Guest House (elderly/mentally-impaired), Anderson MO\(^{1052}\) - 11

\(^{1051}\) Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.

\(^{1052}\) Cross-listed in Structural Fire subset – Institutional – Mental Asylums, Boarding Homes.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Other Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1822</td>
<td>Jan 24</td>
<td>Fire, Philadelphia Orphan Asylum, Schuylkill &amp; Cherry, Philly PA</td>
<td>--</td>
<td>23</td>
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<tr>
<td>1851</td>
<td>Oct 15</td>
<td>Fire Orphan Asylum, Cincinnati, OH</td>
<td>--</td>
<td>6</td>
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<tr>
<td>1881</td>
<td>Feb 27</td>
<td>Fire, St. Patrick’s Orphanage, Scranton, PA</td>
<td>--</td>
<td>17</td>
</tr>
<tr>
<td>1884</td>
<td>Dec 18</td>
<td>Fire, St. John’s Home Catholic Orphan Asylum, Brooklyn, NY</td>
<td>--</td>
<td>23-25</td>
</tr>
<tr>
<td>1901</td>
<td>Jan 08</td>
<td>Fire/Boiler Explosion, Orphan Asylum, Rochester, NY</td>
<td>--</td>
<td>31</td>
</tr>
<tr>
<td>1909</td>
<td>Aug 30</td>
<td>Fire, St. Malachy’s Home for Children, Far Rockaway Beach, NY</td>
<td>--</td>
<td>7</td>
</tr>
<tr>
<td>1912</td>
<td>Oct 30</td>
<td>Fire, St. John’s Orphanage, San Antonio, TX</td>
<td>--</td>
<td>7-8</td>
</tr>
<tr>
<td>1945</td>
<td>Jan 31</td>
<td>Fire, Lacoste Babies’ Boarding Home &amp; Nursery, Auburn, ME&lt;sup&gt;1053&lt;/sup&gt;</td>
<td>--</td>
<td>17</td>
</tr>
<tr>
<td>1958</td>
<td>Nov 27</td>
<td>Fire, Mary Flake Home for Handicapped Children, Warr Acres, OK</td>
<td>--</td>
<td>5</td>
</tr>
</tbody>
</table>

<sup>1053</sup> This 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 7, 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

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 5, Fire, Negro Boys Industrial School Reformatory Dorm, Wrightsville AR-- 21
9. 1975 -- June 9, Mattress set on Fire, spreads, Seminole County Jail, Sanford, FL -- 11
10. 1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN\(^{1054}\) -- 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

\(^{1054}\) 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, OH\(^ {1055}\) -- 172-178
4. 1915 -- Oct 28, Fire, Trampling, St. John’s Parochial School, Peabody, MA\(^ {1056}\) -- 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

\(^{1055}\) Cross-listed in Violence-Crushing, Trampling, Suffocation.
\(^{1056}\) 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 -- Jun 30, Fire, Lloyd Steamship Piers, Ships, Hoboken, NJ\textsuperscript{1057} -- 300-400
3. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY\textsuperscript{1058} -- 10

\textsuperscript{1057} Cross-listed under Maritime Disasters, Explosions/Fires.
\textsuperscript{1058} 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
4. 1929 -- Sep 20, Study Club Dance Hall Fire, Detroit, MI -- 22
5. 1940 -- April 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
6. 1942 -- Nov 28, Fire/tramplng/suffocation, Cocoanut Grove Nightclub, Boston, MA 1060 -- 498
7. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV 1061 -- 15
8. 1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH 1062 -- 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, IL 1063 -- 13
11. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY 1064 -- 12
12. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO 1065 -- 12
13. 1973 -- Jun 24, Arson Fire, UpStairs Cocktail Lounge (gay), New Orleans, LA 1066 -- 32
14. 1974 -- Jun 30, Gulliver’s Discotheque Fire, Port Chester, NY -- 24
16. 1977 -- May 28, Beverly Hills Supper Club Fire, Southgate, KY -- 165
17. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY 1067 -- 87
18. 2003 -- Feb 20, Fire, Trampling, The Station Nightclub, West Warwick, RI 1068 -- 100
19. 2016 -- Dec 2, Fire, rave party in warehouse, Fruitvale district, Oakland, CA 1069 -- 36

1059 Cross-listed in Explosions and in Violence/Tramplng.
1060 Cross-listed in Violence-Crushing, Tramplng, Suffocation.
1061 Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
1062 Cross-listed in Explosions.
1063 Cross-listed in Violence-Arson.
1064 Cross-listed in Violence-Arson.
1065 Cross-listed in Violence-Arson.
1066 Cross-listed in Violence-Arson.
1067 Cross-listed in Violence-Arson.
1068 Cross-listed under Violence-Crushing, Tramplng, Suffocation.
1069 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, 3 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 03, Kerosene Explosion and Fire, Residential, Lakewood, 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^{1070} -- 9
1954 -- Apr 03, Explosion/fire, kerosene poured in home stove, Glouster, OH^{1071} -- 6
1954 -- Apr 03, Fire Mother and Six Children Die, Farm House near Tuttle, ND -- 7
1954 -- Apr 10, Explosion, kerosene put in home stove, fire, Columbia, AL^{1072} -- 7
1954 -- Aug 23, Children die in residential home fire, Waterville, ME -- 5
4. 1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR^{1073} -- 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. 1958 -- Apr 05, Home Fire, Porter Township, near Jersey Shore and Williamsport, PA -- 10
1959 -- Jan 05, Fire, residential, coal-burning stove, Winstonville, Bolivar County, MS -- 6
6. 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, Home Fire, thought to be from Coal Cooking Stove, Pinson Fork, KY -- 5
7. 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, Danieltown, 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

1960 -- Mar 27, Home Fire kills widow and five children, Winthrop, ME -- 6
8. 1961 -- Mar 28, Residential fire (lightning?), Alex Whitehead home, Dotsonville, TN^{1074} -- 12
9. 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

{\textsuperscript{1070} Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.
\textsuperscript{1071} Cross listed in Explosions.
\textsuperscript{1072} Cross-listed in Explosions.
\textsuperscript{1073} Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.
\textsuperscript{1074} Cross-listed in Lightning.}
10. 1963 -- Feb 21, Farm/tenant home Fire, near Luxora, AR -- 10
11. 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
12. 1963 -- Dec 25, Oil Heater explodes/house burns (Johnson children), Charleston, SC -- 13
13. 1964 -- Feb 22, House Fire (Moses James family, 9 children), near Society Hill, SC -- 11
   1964 -- March 3 Lightning hits residence starting fire, Forrest City, AR 1075 -- 7
14. 1964 -- Sep 12, Farm House Fire (Bowdish/McConnell children), Kasota, MN -- 10
   1967 -- July 04, Fire, Shanty Family Residence, Oxford, ME -- 8
15. 1968 -- Feb 11, Fire, Dwelling, Franklin, PA -- 11
16. 1968 -- July 18, Fire, Dwelling (9 children, 2 adults), St. Albans sec., Queens, NY -- 11
17. 1969 -- Apr 05, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR -- 10
18. 1969 -- July 10, Fire, Farm Dwelling (laundry room), Posen, Presque Isle County, MI -- 10
19. 1969 -- June 8, Arson Fire (Patricide), Bailey Family Home, Parkersburg, WV 1076 -- 12

   Fires, Structural -- Residences/Houses -- Chronological (Continued)

20. 1981 -- Jan 11, Single Family Home Fire, East St. Louis, IL -- 11
    1984 -- Feb 4, Home fire, boy playing with lighter, victims 1-8 years old, Tacoma WA -- 9
21. 1987 -- Sep 30, Residence Fire, Milwaukee, WI -- 12
22. 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 8, Fire (fireplace ashes in box), Home, South Jordan (~Salt Lake), UT -- 5
    1999 -- Jan 1, Fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN -- 6
24. 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 1077 -- 9
    2006 -- March 11, Fire, Residential, wood-burning stove probable cause, Shoals, IN -- 6
    2006 -- March 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), Residential Home, Chickasha, OK -- 7
25. 2007 -- Feb 06, Single-Family House Fire, Bardstown, KY -- 10
26. 2008 -- Apr 03, Residential Fire, Brockway, PA -- 10

    2012 -- Mar 24, Residential Home Fire, Charleston, WV -- 9
    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

1075 Cross-listed in Lightning.
1076 Cross-listed in Violence-Arson.
1077 Cross-listed in Violence-Arson.
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, NJ1078 -- 16
6. 1900 -- June 15, Tenement Fire, 34 Jackson Street, NYC, NY -- 11
7. 1900 -- July 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken, NJ1079-13-14
8. 1902 -- Jan 29, Italian Tenement Fire, Fleet Street, North End, Boston, MA -- 10-11
10. 1904 -- Sep 04, Fire, 5-Story Tenement, Attorney St., New York City, NY -- 15
11. 1904 -- Nov 20, Fire, Tenement House, Troutman Street, Brooklyn, NY -- 12
12. 1905 -- Mar 14, Fire, Tenement, Allen St., 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/Fire, Tenement Buildings, Chicago, IL1080 -- 14
16. 1921 -- Nov 14, Fire, Tenement House, 108 West 17th St., 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 St., New York, NY -- 14
22. 1932 -- June 7, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH1081-- 13
23. 1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL1082 -- 10
24. 1936 -- Feb 3, 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, Maefair Apartments, Tacoma, WA -- 19
28. 1946 -- Jan 27, Fire, Apartment Building/Roofing House, Kansas City, MO -- 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

1078 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1079 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1080 Cross-listed in Explosions.
1081 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1082 Cross-listed in Violence-Arson, Manslaughter/Homicide.
32. 1955 -- Feb 01, Oil Stove Fire (11 children), Tenement, Schuyler St., Amsterdam, NY-- 12
33. 1956 -- Dec 23, Fire, Downtown Apartment Bldg., mother, four children, Meriden, CT-- 5
34. 1957 -- Nov 16, Fire, Tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY-- 18
35. 1959 -- Feb 14, Fire (from gas explosion), Apartment Building, Ashland, KY -- 11

**FIRES, structural -- Tenements, Apartments, Rowhouses, Barracks -- Chronological (Cont.)**

36. 1959 -- Feb 14, Fire (from gas explosion), Apartment Building, Ashland, KY  -- 11
37. 1959 -- Feb 14, Fire, Rooming House, Miami, FL-- 10
38. 1960 -- Oct 17, Fire, Apartment House, Elmira, NY-- 10
40. 1961 -- Jan 17, Fire, Apartment Building, Kansas City, MO -- 10
41. 1961 -- Feb 24, Fire, Apartment Building, Lincoln, NE -- 10
42. 1961 -- Mar 20, Fire, Apartment Building, Waco, TX -- 10
43. 1961 -- Apr 30, Fire, Apartment Building, Baltimore, MD -- 10
44. 1961 -- Jun 24, Fire, Apartment Building, Washington, DC -- 10
45. 1961 -- Sep 27, Fire, Apartment Building, San Francisco, CA -- 10
46. 1961 -- Dec 20, Fire, Apartment Building, Hartford, CT -- 10
47. 1962 -- Jan 4, Fire, Apartment Building, New York, NY -- 10
48. 1962 -- Feb 18, Fire, Apartment Building, Chicago, IL -- 10
49. 1962 -- Mar 26, Fire, Apartment Building, Salem, OR -- 10
50. 1962 -- Apr 29, Fire, Apartment Building, Columbus, OH -- 10
51. 1962 -- May 29, Fire, Apartment Building, Kansas City, MO -- 10
52. 1962 -- Jun 25, Fire, Apartment Building, New York, NY -- 10
53. 1962 -- Jul 26, Fire, Apartment Building, Chicago, IL -- 10
54. 1962 -- Aug 31, Fire, Apartment Building, Los Angeles, CA -- 10
55. 1962 -- Sep 29, Fire, Apartment Building, New York, NY -- 10
56. 1962 -- Oct 9, Fire, Apartment Building, Philadelphia, PA -- 10
57. 1962 -- Nov 2, Fire, Apartment Building, Detroit, MI -- 10
58. 1962 -- Dec 12, Fire, Apartment Building, Chicago, IL -- 10
59. 1962 -- Dec 21, Fire, Apartment Building, New York, NY -- 10

1083 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1084 Though originally a hotel, it had been modified to provide apartments. Cross-listed in Explosions.
1085 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1086 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1087 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1088 Cross-listed in Violence-Arson.
1089 Cross-listed in Violence-Arson, Manslaughter/Homicide.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Victim Description</th>
<th>Source</th>
</tr>
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<tbody>
<tr>
<td>1984</td>
<td>Oct 18</td>
<td>Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ</td>
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<tr>
<td>1985</td>
<td>May 13</td>
<td>Philadelphia Police Bomb MOVE, Rowhouse Fire, PA</td>
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<td>1991</td>
<td>Feb 16</td>
<td>Fire (extension cord related), Apartment Bldg., New Britain, CT</td>
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<tr>
<td>1991</td>
<td>Dec 9</td>
<td>West Side Apartment Building Fire, Humboldt Park, Chicago, IL</td>
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<tr>
<td>1992</td>
<td>Feb 13</td>
<td>Fire (space heaters or smoking) Row House (5 children), Camden NJ</td>
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<tr>
<td>1992</td>
<td>Dec 5</td>
<td>Fire (apparently smoking in bed), Row House (8 children), Chester, PA</td>
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<tr>
<td>1992</td>
<td>Dec 17</td>
<td>Fire, four-family apartment building, Auburn, WA</td>
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<tr>
<td>1993</td>
<td>Feb 28</td>
<td>Fire, Apartment Building (8 children, 1 adult), Ludington, MI</td>
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<td>1993</td>
<td>May 3</td>
<td>Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA</td>
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<tr>
<td>1994</td>
<td>Jan 9</td>
<td>Fire (clothing on heating grate), row house (6 children), Baltimore, MD</td>
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<tr>
<td>1994</td>
<td>Feb 26</td>
<td>Fire, from candle; rowhouse; power turned off, west Baltimore, MD</td>
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<tr>
<td>2004</td>
<td>Sep 12</td>
<td>Arson Fire, Lincoln Park West Apartments, Prairie Township, OH</td>
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<tr>
<td>2005</td>
<td>Mar 10</td>
<td>Townhouse Mattress Fire, Marrero, LA</td>
<td>--</td>
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<tr>
<td>2007</td>
<td>Mar 07</td>
<td>Rowhouse Fire, Bronx, NY</td>
<td>--</td>
<td>10</td>
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<tr>
<td>2007</td>
<td>May 22</td>
<td>Fire (smoking materials), Row House, east Baltimore, MD</td>
<td>--</td>
<td>8</td>
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<tr>
<td>2010</td>
<td>Dec 14</td>
<td>Fire, Two Story Brick Row House Home, east Baltimore, MD</td>
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<td>6</td>
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<tr>
<td>2014</td>
<td>Nov 1</td>
<td>Rooming house fire (landlord charged with manslaughter), Portland, ME</td>
<td>--</td>
<td>6</td>
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<tr>
<td>2017</td>
<td>Dec 28</td>
<td>Fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY</td>
<td>--</td>
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</tbody>
</table>

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1090 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1091 Cross-listed in Violence-Arson. (Originally a hotel, but had become a low-rent apartment building.)
1092 Cross-listed in Violence-Governmental Use of Force.
1093 Cross-listed in Violence-Arson.
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 City\textsuperscript{1094}-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

\textsuperscript{1094} Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).
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, NY\textsuperscript{1095} --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, IL\textsuperscript{1096} -- 602
9. 1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA\textsuperscript{1097} --169-175
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

\textsuperscript{1095} Cross-listed in Violence-Crushing, Trampling, Suffocation.
\textsuperscript{1096} Cross-listed in Violence-Crushing, Trampling, Suffocation.
\textsuperscript{1097} Cross-listed in Violence-Crushing, Trampling, Suffocation.
1. 1892 -- June 05, Dam Failure, Oil Fire, Titusville, Oil City, PA\textsuperscript{1098} -- 350
2. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH\textsuperscript{1099} -- 12-13
3. 1936 -- Apr 06, Tornado and Fire, Cooper Pants Factory, Gainesville, GA\textsuperscript{1100} -- 40-70
4. 1943 -- Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA\textsuperscript{1101} -- ~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, IA\textsuperscript{1102} -- 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, NM\textsuperscript{1103} -- 12

\textsuperscript{1098} Cross-listed under Dam Failures
\textsuperscript{1099} Cross listed in Mines Tunnels and Quarries.
\textsuperscript{1100} 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.
\textsuperscript{1101} 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.
\textsuperscript{1102} 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.
\textsuperscript{1103} Cross-listed in Structural Failures and in Explosions. Technically perhaps not a “structural” fire.
FIRE, structural -- Arson subset

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 -- 25
7. 1982 -- Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA -- 24-25
8. 1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL -- 24
9. 1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA -- 22
10. 1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ -- 21
11. 1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA -- 19-20
12. 1970 -- Mar 20, Arson Fire, Ozark Hotel (“flophouse”), Seattle, WA -- 20
13. 1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ -- 16
14. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV -- 15
15. 1984 -- July 4, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA -- 15
17. 1900 -- July 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken, NJ -- 13-14
18. 1966 -- Sep 12, Arson Fire, Lane Hotel, Anchorage, AK -- 14
19. 1932 -- Jun 07, Explosion/Arson/Mass Murder, Ellington Apartments, Cleveland, OH -- 13
20. 1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL -- 13
21. 1982 -- Apr 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ -- 13
22. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY -- 12
23. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO -- 12
24. 1969 -- June 8, Arson Fire (Patricide), Bailey Family Home, Parkersburg, WV -- 12
25. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR -- 12
26. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA -- 12
27. 2006 -- Oct 31, Arson Fire, Mizpah Hotel, North Lake St., Reno, NV -- 12
28. 1854 -- Apr 25, Arson Fire, Jennings Building (all firemen), Broadway, NY, NY -- 11
31. 1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL -- 10
32. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ -- 10
33. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH -- 10
34. 1980 -- Oct 28, Apartment building arson fire kills children, South Side Chicago, IL -- 10
35. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA -- 10
36. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apartments, Prairie Township, OH -- 10

All arson fires are cross-listed in Violence - Arson, Manslaughter/Homicide subset.

Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Violence-Arson.


Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.

Originally a hotel, but had become a low-rent apartment building.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Incident Description</th>
<th>Location</th>
<th>Mortality</th>
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<tbody>
<tr>
<td>2005</td>
<td>May 21</td>
<td>Arson Fire, House during child’s birthday sleepover</td>
<td>Cleveland, OH</td>
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<td>1998</td>
<td>Apr 27</td>
<td>Arson? fire, Arlington Manor elderly/disabled boarding home</td>
<td>Arlington, WA</td>
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<td>1992</td>
<td>July 7</td>
<td>Arson Fire set by mother kills six of her children</td>
<td>Baltimore, MD</td>
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<tr>
<td>1993</td>
<td>Feb 27</td>
<td>Arson Fire &amp; Mass Murder, Apartment Building</td>
<td>Providence, RI</td>
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</tr>
</tbody>
</table>

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1109 Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.
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. 1947 -- May 14, Minerva Film Co. Fire, Rome, NY -- 23
3. 1972 -- Sep 24, Plane Crash/Fire, Farrell’s Ice Cream Parlor, Sacramento, CA\textsuperscript{1110} -- 22
4. 1893 -- July 10, Fire, Columbia Exposition Cold Storage Warehouse, Chicago, IL --17-19
5. 1906 -- Oct 25, Fire, Chamber of Commerce Building, Kansas City, KS -- 15
6. 1890 -- Mar 17, Fire/Bldg. Collapse on firemen, Bowen-Merrill Co., Indianapolis, IN -- 13
7. 1857 -- Apr 14, Fire, Warehouse wall/floor collapse, Charles Street, Baltimore, MD -- 12
8. 1882 -- Jan 31, Fire, World Building (Com.), Park Row and Beekman St., NYC, NY -- 12
9. 1891 -- Dec 09, Fires, Bamberger & Candy/Fireworks bldgs., Main St., Louisville, KY-- 12
10. 1910 -- Mar 25, Fire, L. Fish & Co. Furniture Store, Wabash Ave., Chicago, IL -- 12
11. 1919 -- Jan 07, Explosion & Fire, Film Exchange, Penn Ave., Pittsburg, PA\textsuperscript{1111} --10-12
12. 1957 -- Dec 05, Natural gas explosion/fire, five downtown businesses, Villa Rica, GA\textsuperscript{1112} --12
13. 1966 -- Oct 17, Mercantile Building Fire, New York City, NY -- 12
14. 1976 -- Dec 22, Fire, Department Store, Fulton St., Brooklyn, NY -- 12
15. 1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY -- 11
17. 1924 -- Feb 15, Fire, Lawrence Building, Main Street, Montpelier VT -- 11
18. 1947 -- July 29, Butane Gas Explos./fire, Pauline’s Beauty School, Harrisonburg, VA\textsuperscript{1113} --11
20. 1865 -- June 9, Ordnance Building Explosion/Fire, Train sparks, Chattanooga, TN\textsuperscript{1114} -- ~10
21. 1937 -- Feb 5, Flooding, natural gas leak/explosion/fire, Floyd St., Louisville, KY\textsuperscript{1115} -- 10
22. 1978 -- Nov 05, Younkers Department Store Fire, 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

\textsuperscript{1110} Cross-listed in Aviation.
\textsuperscript{1111} Cross-listed in Explosions.
\textsuperscript{1112} Cross-listed in Explosions -- there were fatalities from the explosion and from the resulting fire.
\textsuperscript{1113} Cross-listed in Explosions -- most, if not all, deaths were caused by the explosion and building destruction.
\textsuperscript{1114} Cross-listed in Explosions.
\textsuperscript{1115} Cross-listed in Explosions -- do not have a breakout of deaths by explosion and those by fire.
Fire, structural Conflagration, Urban (subset) By Mortality

1. 1906 -- Apr 18, Earthquake, Fire, Landslides, San Francisco & vicinity, CA\textsuperscript{1116} --3,000-5,000  
2. 1871 -- Oct 8–10, Conflagration, The Great Chicago Fire, IL --250-300  
3. 1865 -- Feb 18, Gunpowder explosion/fire, Northeastern RR Depot, Charleston SC\textsuperscript{1117} --150-200  
4. 1850 -- July 09, Fire/Conflagration, Old City Philadelphia, PA -- 44  
5. 1872 -- Nov 9-10, Conflagration (“Great Boston Fire of 1872”), Boston, MA --25-41  
6. 1845 -- July 19, Fire and Exp., New, Broad, Beaver, Broadway Sts., NYC, NY\textsuperscript{1118} -- 30  
7. 1851 -- May 3-4, 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 & 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\textsuperscript{1119}-- 10  

1909 -- Apr 11, Urban Conflagration, Lenox, MA -- 6

\textsuperscript{1116} Cross-listed in Earthquake and in Landslides, in that there were a small number of deaths due to slides.  
\textsuperscript{1117} Our impression from accounts is that the 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.  
\textsuperscript{1118} Cross-listed in Explosions.  
\textsuperscript{1119} Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.
1. 1946 -- Dec 7, Fire, Hotel Winecoff, Atlanta, GA -- 119
2. 1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico1120 -- 97
3. 1883 -- Jan 10, Fire (suspected arson), Newhall House (Hotel), Milwaukee, WI ---70--90
4. 1980 -- Nov 21, Fire, MGM Grand Hotel, Las Vegas, NV -- 85
5. 1946 -- Jun 05, Fire, LaSalle Hotel, Chicago, IL -- 61
6. 1943 -- Sep 07, Fire, The Gulf Motel, Houston, TX -- 54
7. 1899 -- Mar 17, Fire, Windsor Hotel, Fifth Avenue, New York, NY -- 45
8. 1914 -- Mar 08, Fire, wall fall (17th) Missouri Athletic Club (Lodging), St. Louis, MO1121--37
9. 1903 -- Nov 21, Fire, Railroad Workmen "Shanty," near Lilly (~Johnstown), PA --31-35
10. 1938 -- May 17, Fire, Terminal Hotel, Atlanta, GA -- 35
11. 1934 -- Dec 11, Fire, Kerns Hotel, Grand Avenue, Lansing, MI -- 34
12. 1858 -- Feb 20, Fire, Pacific Hotel, St. Louis, MO --21-30
13. 1892 -- Feb 07, Fire, Hotel Royal, Fortieth Street & Sixth Avenue, NYC, NY --28-30
14. 1955 -- Feb 12, Barton Hotel Fire, Chicago, IL -- 29
15. 1913 -- Dec 2, Fire, Arcadia Boarding House (“Hotel”/Flop House), Boston, MA -- 28
17. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson),1123 Harrison, NY-- 26
18. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ1124 -- 25
19. 1982 -- Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA1125 --24-25
20. 1886 -- Dec 28, Fire, Steamer/Boarding House Bradish Johnson, Jackson, AL1126 -- ~24
21. 1872 -- Dec 10, Fire, Fifth Avenue Hotel, New York, NY -- 22
22. 1934 -- Mar 24, Fire, Federal Transient Bureau Lodging, Lynchburg, VA -- 22
23. 1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA1127 -- 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, Fire, Park Avenue Hotel, 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, WA1128 -- 20
30. 1976 -- Jan 10, Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE1129-- 20
31. 1978 -- Jan 28, Coates House Hotel Fire, Kansas City, MO -- 20
32. 1993 -- Mar 16, Fire, Paxton Hotel, Chicago, IL -- 20
33. 1940 -- Jan 03, Fire, Marlborough (Apartment) Hotel, Minneapolis, MN -- 19

1120 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1121 Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.
1122 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1123 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.
1124 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1125 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1126 Cross-listed in Maritime.
1127 Cross-listed in Violence subset Arson.
1128 Cross-listed in Violence-Arson, Manslaughter/Homicide.
1129 Cross-listed in Explosions.
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

38. 1881 -- Dec 10, Lamp Fire, Boarding House, Rock Cut, ~Pittsburgh, PA -- 16-17
39. 1945 -- Jan 31, Fire, Lacoste Babies’ Boarding Home & Nursery, Auburn, ME\textsuperscript{1130} -- 17
40. 1895 -- Dec 31, Fire, Delavan House (Hotel), Albany NY -- 16
41. 1936 -- Feb 12, Fire, Victoria Mansion Hotel, Lexington & Seventh, Lakewood, NJ -- 16
42. 1977 -- Jan 28, Stratford Hotel Fire, Breckenridge, MN -- 16
43. 1887 -- Mar 18, Fire, Richmond Hotel (Young Men’s Assn.), Buffalo, NY -- 15
44. 1883 -- Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX\textsuperscript{1131} --13-15
45. 1984 -- July 4, Arson, Elliott Chambers Rooming Home Fire, Beverly, MA\textsuperscript{1132} -- 15
46. 1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ\textsuperscript{1133} -- 15
47. 1902 -- Dec 04, Fire, Lincoln Hotel, Madison Street, Chicago, IL -- 14
48. 1920 -- Sep 06, Fire, Houston Hotel, Klamath Falls, OR --10-14
49. 1926 -- July 14, Fire, Twilight Inn, Haines Falls, NY -- 14
50. 1945 -- Jan 16, Fire, General Clark Hotel/Boarding House, N. Clark St., Chicago, IL -- 14
51. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK\textsuperscript{1134} -- 14
52. 1921 -- Jan 30, Fire (cigarette), Colonial Hotel, Newark Street, Hoboken, NJ -- 13
53. 1926 -- Jan 23, Fire, Lafayette Hotel, North Seventh Street, Allentown, PA -- 13
54. 1941 -- Feb 7, Fire, Salvation Army Homeless Shelter/Lodging, Akard St., Dallas, TX-- 13
55. 1982 -- April 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ\textsuperscript{1135} -- 13
56. 1870 -- Dec 25, Fire, Spotswood Hotel, Richmond, VA -- 9-12
57. 1887 -- Mar 24, Fire, Colby Iron Mine Boarding House, Bessemer, MI -- 12
58. 1908 -- May 03, Fire, Aveline Hotel, Fort Wayne, IN -- 12
59. 1922 -- Feb 07, Fire, Lexington Hotel, Richmond, VA -- 12
60. 1926 -- Feb 22, Fire, Schindler’s Prairie House (Hotel), Hurleyville, NY --11-12
61. 1945 -- May 07, Fire, Victory House (war workers lodging), Mobile, AL -- 12
62. 1966 -- Jan 06, Fire, Hotel Carlton (and Apartments), St. Paul, MN\textsuperscript{1136} --11-12
63. 1972 -- Jan 16, Pennsylvania House Hotel Fire, Tyrone, PA -- 12
65. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR\textsuperscript{1137} -- 12
66. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA\textsuperscript{1138} -- 12
67. 1982 -- Mar 07, Westchase Hilton Hotel Fire, Houston, TX -- 12

\textsuperscript{1130} This was a boarding home for babies and children up to five. Cross listed in Orphanage, though this was not one.
\textsuperscript{1131} Cross listed in Structural Failures.
\textsuperscript{1132} Cross-listed in Violence-Arson.
\textsuperscript{1133} Cross-listed in Violence-Arson. (Originally a hotel, but had become a low-rent apartment building.)
\textsuperscript{1134} Cross-listed in Violence-Arson.
\textsuperscript{1135} Cross-listed in Violence-Arson, Manslaughter/Homicide.
\textsuperscript{1136} The largest loss of life reported by a newspaper we have seen is 11. The NFPA reports 11 in one source and 12 in another. Neale Ward reports 12 in \textit{Firehouse}. It is unclear to me whether the loss of life was 11 or 12.
\textsuperscript{1137} Cross-listed in Violence-Arson.
\textsuperscript{1138} Cross-listed in Violence-Arson.
68. 2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV -- 12
69. 1883 -- Mar 10, Fire, Boarding House, Brownsville, ND -- 11
70. 1888 -- June 04, Fire, Mundine Hotel, Rockdale, TX -- 11
71. 1898 -- Mar 13, Fire, Bowery Mission and Young Men’s Home, NYC, NY -- 11
72. 1902 -- Feb 09, Fire, Empire Hotel lodging house, Olive Street, St. Louis, MO -- 11
73. 1906 -- Jan 10, West Hotel Fire, Minneapolis, MN -- 11
74. 1907 -- Sep 05, Fire, Webb Hotel, Shelton, WA -- 10-11
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, Holiday Inn, Greece, NY -- 10
79. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH -- 10

Other:
1972 -- June 17, Fire/building collapse, firefighters killed, Hotel Vendome, Boston, MA -- 9
1943 -- Feb 16, Fire, Rooming House, Augusta, ME -- 8
1933 -- Feb 8-9, Millard Hotel Fire, firefighters killed by falling walls, Omaha, NE -- 7
2007 -- Oct 28, Fire, Beach House (young college students), Ocean Isle Beach, NC1139 -- 7
1903 -- Feb 20, Fire, Clifton Hotel, Cedar Rapids, IA -- 6
1916 -- March 26, Fire, San Antonio Country Club, San Antonio, TX -- 6
1975 -- Dec 28, Fire, Breezy Point Inn, Island Lake, near Duluth, MN -- 6

1139 Owned by a family, but used as a vacation and rental structure, not a home.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1860</td>
<td>Jan 10, Build. Cave-in/Fire, Pemberton Cotton Mills, Lawrence, MA</td>
<td>88-200</td>
<td></td>
</tr>
<tr>
<td>1911</td>
<td>Mar 25, Fire, Triangle Shirtwaist Company, NYC, NY</td>
<td>114-147</td>
<td></td>
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<tr>
<td>1944</td>
<td>Oct 20, LNG Tank Explosions/Fire, East Ohio Gas Co., Cleveland, OH</td>
<td>128-136</td>
<td></td>
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<tr>
<td>1850</td>
<td>Feb 04, Boiler Explosion &amp; Fire, Taylor &amp; Co., Hague St., Manhattan, NY</td>
<td>60-75</td>
<td></td>
</tr>
<tr>
<td>1905</td>
<td>Mar 20, Boiler Explos. &amp; Fire, Grover &amp; Co. Shoe Factory, Brockton, MA</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>1818</td>
<td>July 02, Semet-Solvay Co. TNT Plant Fire/Explosions, Split Rock, NY</td>
<td>50</td>
<td></td>
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<tr>
<td>1893</td>
<td>Feb 09, Fire, Strafford County Workhouse, near Dover, NH</td>
<td>41</td>
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<tr>
<td>1973</td>
<td>Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY</td>
<td>40</td>
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<tr>
<td>1888</td>
<td>Fire, Steam-Gauge and Lantern Works, Rochester, NY</td>
<td>34-38</td>
<td></td>
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<tr>
<td>1913</td>
<td>July 22, Binghamton Clothing Company Fire, New York City, NY</td>
<td>35</td>
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<tr>
<td>1841</td>
<td>Aug 20, Fire, Gunpowder Explosion, carpenter’s shop, Syracuse, NY</td>
<td>26</td>
<td></td>
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<tr>
<td>1874</td>
<td>Sep 19, Fire, Granite Mill (Factory) No. 1, Fall River, MA</td>
<td>23-25</td>
<td></td>
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<tr>
<td>1910</td>
<td>Nov 26, Fire, Asch Factory, Orange &amp; High Sts., Newark, NJ</td>
<td>25</td>
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<tr>
<td>1991</td>
<td>Sep 03, Chicken Processing Plant Fire, Hamlet, NC</td>
<td>25</td>
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<tr>
<td>1910</td>
<td>Dec 22-23, Fire, Nelson-Morris Meatpacking Plant, Stockyards, Chicago, IL</td>
<td>24</td>
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<tr>
<td>1958</td>
<td>March 19, Fire and Floor Collapse, Monarch Underwear Co., NYC, NY</td>
<td>24</td>
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<tr>
<td>1927</td>
<td>Apr 23, Fire/Explosions, Briggs Manufacturing Co., Detroit, MI</td>
<td>23</td>
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<tr>
<td>1864</td>
<td>Jun 17, Explosion/fire, Washington Arsenal, Greenleaf Pt., District of Col.</td>
<td>21</td>
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<tr>
<td>1928</td>
<td>Nov 08, Explosion, Fire, Preble Box Toe Co. Plant and house, Lynn, MA</td>
<td>20-21</td>
<td></td>
</tr>
<tr>
<td>1898</td>
<td>Feb 9, Fire &amp; Explosions, Chautauqua Lake Ice Co. Bldg., Pittsburgh, PA</td>
<td>14-20</td>
<td></td>
</tr>
<tr>
<td>1956</td>
<td>July 29, Fire/Explosion, McKee tank farm, Shamrock Oil &amp; Gas, Dumas, TX</td>
<td>19</td>
<td></td>
</tr>
<tr>
<td>1885</td>
<td>May 21, Stove Explodes, Fire, Sullivan’s Printing Bldg., Cincinnati, OH</td>
<td>18</td>
<td></td>
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<tr>
<td>1951</td>
<td>Sep 17, Shell Refinery cracking unit Explos./Fire, Roxana, Wood River, IL</td>
<td>18</td>
<td></td>
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<tr>
<td>1984</td>
<td>July 24, Union Oil Co. Refinery Explosions and Fire, Romeoville, IL</td>
<td>17</td>
<td></td>
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<tr>
<td>1883</td>
<td>Aug 23, George-Whiting Paper Mill Fire/Explosion, Menasha, WI</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>1898</td>
<td>Mar 16, Fire/Explo., Ayer Bldg. (Mercantile), Wabash Ave., Chicago, IL</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

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1140 Cross-listed in Structural Failures.
1141 Cross-listed in Explosions. At least 32 died in fires in nearby houses.
1142 Cross-listed in Explosions.
1143 Cross-listed in Explosions.
1144 Cross-listed in Explosions.
1145 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.
1146 Cross-listed in Explosions.
1147 Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.
1148 Cross-listed in “Explosions.”
1149 Cross-listed in Explosions. Besides deaths in the factory, seven people in adjoining house-fire died.
1150 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.
1151 Cross-listed in Explosions. A fire was precipitating event – all deaths were due to the explosion.
1152 Cross-listed in Explosions (the cause of most, if not all, of the deaths).
1153 Cross-listed in Explosions.
1154 Cross-listed in Explosions, because fires were started by explosions.
29. 1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA

30. 1904 -- June 04, Corning Distillery Fire, Explosions, Building Collapse, Peoria, IL

31. 1945 -- Aug 13, Fire, Export Box & Sealer Co. Packing Plant, Grand Ave., Detroit, MI

32. 1957 -- Jan 24, M. Baer Dress Co. Factory Fire, New Haven, CT

Fire, structural -- Industrial/Production/Wholesale – By Mortality (cont.)

33. 1910 -- Dec 21, Fire, Friedlander Leather Remnants Factory, Philadelphia, PA

34. 1915 -- Oct 25, Fire, Union Paper Box Company, Pittsburgh, PA

35. 1928 -- Feb 10, Vaporizer explos./fire, Beacon Oil Co. Refining Plant, Everett, MA

36. 1833 -- Oct 04, Fire, Eagle Woolen Mills, Allegheny, PA

37. 1877 -- Jun 08, Fire, Wall Failure, Sanford & Son’s Hat Factory, Bridgeport, CT

38. 1880 -- Dec 21, Fire, Friedlander Leather Remnants Factory, Philadelphia, PA

39. 1915 -- Oct 25, Fire, Union Paper Box Company, Pittsburgh, PA

40. 1881 -- Oct 12, Fire, Randolph Cotton and Woolen Mill, Randolph St., Philly, PA

41. 1902 -- Oct 21, Fire/glucose tank explosion, Glucose Sugar Refinery, Chicago, IL

42. 1888 -- Oct 04, Fire, Eagle Woolen Mills, Allegheny, PA

43. 1905 -- Sep 17, Fuse Factory Explosion & Fire, Avon, CT

44. 1915 -- Nov 06, Fire, Essex Waist Co., Diamond Factory, Brooklyn, NY

45. 1947 -- Apr 02, Explosion and fire, Lawrence Brown Fireworks Plant, Clinton, MO

46. 1918 -- Sep 17, Fire, American Button Company Plant, Newark, NJ

47. 1928 -- Apr 20, Fire, Alexander Industries Plane Plant, Englewood, CO

48. 1877 -- Dec 20, Fire, Greenfield Candy Works, Barclay St., NY, NY

49. 1898 -- Feb 26, Fire/Explosions, walls fall, Hall Brothers Chem., Kalamazoo, MI

50. 1900 -- Oct 29, Fire and Explosions, Tarrant & Co. Drug Warehouse, NYC, NY

51. 1929 -- Dec 10, Fire (lamp), Pathe Film Studio, Manhattan, NYC, NY

52. 1933 -- Jun 09, Fire, Atlantic Pyroxylin Waste Co., North Arlington, NJ

53. 1940 -- July 30, Explosions/Conflagration, R. M. Hollingshead Plant, Camden, NJ

54. 1941 -- Feb 05, Fire, New Haven Quilt and Pad Company, New Haven, CT

55. 1946 -- Jan 28, Gasoline fumes ignite, fire, Tinker Field Hangar ~Oklahoma City, OK


57. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY

Other:

1916 -- Oct 17, Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY

2010 -- Dec 28, Fire, Abandoned Warehouse used by homeless, New Orleans, LA

1888 -- Aug 09, Fire, Wall Collapse, Caldwell & Griffith block, Chattanooga, TN

1888 -- Sep 02, Fire, Firefighters killed, Hopkins Place, Baltimore, MD

1155 This was a mixed-use building with retail and wholesale commercial enterprises, as well as manufacturing.

1156 Cross-listed in Explosions.

1157 Cross-listed in Explosions. Most deaths were from the vaporizer explosion and a few from the resulting fire.

1158 Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.

1159 Cross-listed in Explosions.

1160 Cross-listed in Explosions -- all deaths were result of building failure following explosions, preceded by fire.

1161 Cross-listed in Fire in that fire of undetermined source led to a series of explosions (which caused the fatalities).

1162 Cross-listed in Explosions -- a series of explosions started the fires which became a conflagration.

1163 Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.
1889 -- Nov 30, Fire, Tribune Building, Minneapolis, MN -- 7
1950 -- July 16, Fire, lead and zinc smelting plant, Lark, UT -- 5
2007 -- Oct 2, Fire, 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO -- 5
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1929</td>
<td>May 15, Cleveland Clinic (Hospital) Fire</td>
<td>Cleveland, OH</td>
<td>125</td>
</tr>
<tr>
<td>1949</td>
<td>Apr 4-5, St. Anthony’s Hospital Fire</td>
<td>Effingham, IL</td>
<td>74</td>
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<tr>
<td>1950</td>
<td>Jan 07, Mercy Hospital Fire</td>
<td>Davenport, IA</td>
<td>41</td>
</tr>
<tr>
<td>1923</td>
<td>Feb 18, Manhattan State Hospital Fire</td>
<td>Ward’s Island, NY</td>
<td>27</td>
</tr>
<tr>
<td>1945</td>
<td>Dec 24, Fire, Niles Street Convalescent Hospital</td>
<td>Hartford, CT</td>
<td>21</td>
</tr>
<tr>
<td>1892</td>
<td>Jan 21, Fire, Surgical Institute, Illinois and Georgia streets</td>
<td>Indianapolis, IN</td>
<td>19</td>
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<tr>
<td>1961</td>
<td>Dec 8, Fire, Hartford Hospital</td>
<td>Hartford, CT</td>
<td>16</td>
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<tr>
<td>1956</td>
<td>Dec 23, Fire, Xmas tree wiring short circuit, Doctors’ Hosp.,</td>
<td>Minneapolis, MN</td>
<td>7</td>
</tr>
</tbody>
</table>
### Fires, structural Institutional – Mental Institutions/Boarding Homes

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1918</td>
<td>Apr 13</td>
<td>State Hospital for the Insane Fire, Norman, OK</td>
<td>--37-39</td>
</tr>
<tr>
<td>1943</td>
<td>Jan 31</td>
<td>Fire, Lake Forest Park Sanitarium, Lake Forest Park, WA</td>
<td>--32</td>
</tr>
<tr>
<td>1880</td>
<td>Nov 15</td>
<td>Fire, Minnesota State Asylum for Insane, St. Paul, MN</td>
<td>--24-30</td>
</tr>
<tr>
<td>1850</td>
<td>Dec 03</td>
<td>Fire, Maine Insane Asylum, Augusta, ME</td>
<td>--28</td>
</tr>
<tr>
<td>1980</td>
<td>July 26</td>
<td>Brinley Inn Boarding Home (Mental Impairment) Fire, Bradley Beach, NJ</td>
<td>--24</td>
</tr>
<tr>
<td>1885</td>
<td>Feb 12</td>
<td>Arson Fire, Dept. for Insane, Blockley Almshouse, Philadelphia, PA</td>
<td>--19-20</td>
</tr>
<tr>
<td>1885</td>
<td>Jan 18</td>
<td>Fire, Illinois Eastern Hospital for Insane, Kankakee, IL</td>
<td>--18</td>
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<tr>
<td>1899</td>
<td>Feb 12</td>
<td>Fire, State Insane Asylum, near Yankton, SD</td>
<td>--17</td>
</tr>
<tr>
<td>1952</td>
<td>Nov 26</td>
<td>Fire, Female Ward, Huntington State Mental Hosp., Huntington, WV</td>
<td>--17</td>
</tr>
<tr>
<td>1919</td>
<td>May 19</td>
<td>Mental Asylum Fire in Columbia, SC</td>
<td>--16</td>
</tr>
<tr>
<td>1978</td>
<td>Dec 09</td>
<td>Mental Hospital Fire, Ellisville, MS</td>
<td>--15</td>
</tr>
<tr>
<td>1902</td>
<td>June 09</td>
<td>Fire, St. Luke’s Society Sanitarium, Wabash / 21st, Chicago, IL</td>
<td>--12-13</td>
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<tr>
<td>1891</td>
<td>March 13</td>
<td>Fire, Central Tennessee Insane Asylum, near Nashville, TN</td>
<td>--10-11</td>
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<tr>
<td>2006</td>
<td>Nov 27</td>
<td>Anderson Guest House (elderly/mentally-impaired), Anderson, MO</td>
<td>--11</td>
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<tr>
<td>1979</td>
<td>Apr 11</td>
<td>Fire, Halfway House (Mental Impairment), Lamont Street, Wash. DC</td>
<td>--10</td>
</tr>
<tr>
<td>1992</td>
<td>June 2</td>
<td>Fire, Nu-Way Development Home (Adult Foster Care), Detroit, MI</td>
<td>--10</td>
</tr>
<tr>
<td>1948</td>
<td>March 10/11</td>
<td>Fire, Highland Hospital for Nervous Disorders, Asheville, NC</td>
<td>--9</td>
</tr>
<tr>
<td>1983</td>
<td>Aug 31</td>
<td>Fire, Mentally Handicapped Home, Annandale Village, Suwanee, GA</td>
<td>--8</td>
</tr>
<tr>
<td>1998</td>
<td>Apr 27</td>
<td>Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA</td>
<td>--8</td>
</tr>
</tbody>
</table>

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1164 For elderly, invalids and persons suffering from mental disabilities. Lake Forest Park is just north of Seattle.


1166 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, Fire, Littlefield Nursing Home, near Largo, FL1167 --33-35
5. 1970 -- Jan 09, Harmer House Convalescent/Nursing Home Fire, Marietta, OH -- 32
6. 1981 -- Jan 09, Fire, Beachview Rest Home (Sheltered Care Facility) Keansburg, NJ -- 31
7. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ1168 -- 25
8. 1979 -- April 2, Wayside Inn Boarding Home/Care Facility Fire, Farmington, MO -- 25
10. 1951 -- Jan 30, Convalescent Home Fire, Hoquiam, WA -- 21
11. 1952 -- Oct 31, Nursing Home Fire, Hillsboro, MO -- 20
12. 1964 -- Dec 18, Maples (McGraw) Convalescent Home Fire, Fountaintown, IN -- 20
13. 1876 -- Mar 07, Fire, Home for the Aged, East Brooklyn, NY -- 18
14. 1957 -- Feb 13, Fire, Council Bluffs Convalescent Home, Council Bluffs, IA --16-17
15. 1989 -- Dec 24, John Seiver Elderly Residence Fire, Johnson City, TN -- 16
16. 2003 -- Feb 26, Fire (set by patient), Greenwood Nursing Home, Hartford, CT -- 16
17. 2003 -- Sep 25, Fire, National Healthcare Center Nursing Home, Nashville, TN -- 16
18. 1971 -- Oct 19, Fire, Geiger Nursing Home, TX Township, Honesdale, PA -- 15
19. 1973 -- Dec 04, Caley Nursing and Rehabilitation Center Fire, Wayne, PA -- 15
20. 1946 -- Feb 02, Explosion/Fire, Jennings Hall Home for Aged, Garfield Heights, OH -- 14
22. 1956 -- July 30, Reagan Nursing Home Fire, Puxico, MO -- 12
24. 1989 -- Oct 05, Fire, Hillhaven Rehabilitation and Convalescent Center, Norfolk, VA -- 12
27. 1934 -- Feb 20, Fire, Penn. Mem. Home/Hosp. (Civil War veterans widows), Brookville, PA-- 10
28. 1950 -- Dec 22, Fire, Walker Convalescent Home (for Elderly), near Amarillo, TX -- 10
29. 1971 -- Jan 14, Westminster Terrace Nursing Home Fire, Buechel KY -- 10
30. 1972 -- Jan 26, Green Nursing Home, Lincoln Heights, OH -- 10
31. 1972 -- Apr 04, Fire, Fair Hills Nursing/Boarding Home, Rosecrans, WI -- 10
32. 1972 -- May 05, Fire, Carver Nursing Home, Springfield, IL -- 10
33. 1972 -- Nov 30, Baptist Towers Senior Citizens Home Fire, Atlanta, GA -- 10
34. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ1171 -- 10
35. 1979 -- April 1, Fire, Marietta Manor private care home for elderly, Connellsville, PA -- 10
36. 1985 -- July 23, Fire, Elderly Boarding Home, Sweet Valley, PA -- 10
38. 1997 -- May 13, Fire, Board and Care Facility, Harvey’s Lake, PA -- 10

1167 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.
1168 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted.
1169 Cross-listed in Structural Fire subset of Apartment/Boarding/Rooming House Fires. Most victims were retirees.
1170 Cross-listed in Structural Fire subset – Institutional – Mental Asylums/Boarding Homes.
1171 Cross-listed in Violence-Arson.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Cause</th>
</tr>
</thead>
<tbody>
<tr>
<td>1948</td>
<td>March 23</td>
<td>Fire, Ward’s Rest/Convalescent Home for elderly, north Omaha, NE</td>
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<tr>
<td>1998</td>
<td>Apr 27</td>
<td>Arson? fire, Arlington Manor elderly/disabled boarding home, Arlington, WA</td>
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<tr>
<td>1943</td>
<td>Feb 11</td>
<td>Fire and Suffocation (elderly), Convalescent Home, Sioux Falls, SD</td>
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<td>Believed to have been set by suicidal patient with schizophrenia, who had set fire at another location.</td>
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<tr>
<td>1971</td>
<td>Sep 15</td>
<td>Fire/Suffocation, Lil-Haven Nursing Home, Salt Lake City, UT</td>
<td></td>
<td></td>
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</tbody>
</table>
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\textsuperscript{1173} -- 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\textsuperscript{1174} -- 5
1958 -- Nov 27, Fire, Mary Flake Home for Handicapped Children, Warr Acres, OK -- 5

\textsuperscript{1173} 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.

\textsuperscript{1174} This was also an orphanage, but none of the fatalities were children. Section of home that burned was for elderly Masonic Lodge members.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
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</thead>
<tbody>
<tr>
<td>1878</td>
<td>Apr 7</td>
<td>Fire, Steuben County House (poor house/insane asylum), Bath, NY</td>
<td>--15-16</td>
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<tr>
<td>1881</td>
<td>Jan 07</td>
<td>Fire, Strafford County Farm [for paupers], near Dover, NH</td>
<td>--13-15</td>
<td></td>
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<tr>
<td>1884</td>
<td>Apr 30</td>
<td>Fire, Van Buren County, MI Poorhouse, near Harford, MI</td>
<td>--13-15</td>
<td></td>
</tr>
<tr>
<td>1890</td>
<td>May 07</td>
<td>Fire, Chenango Co. Poorhouse &amp; Asylum, Preston, NY</td>
<td>-- 13</td>
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<tr>
<td>1935</td>
<td>Jan 1</td>
<td>Fire, Cherokee County Home for elderly men dormitory, Gaffney, SC</td>
<td>-- 5</td>
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<tr>
<td>1944</td>
<td>April 13</td>
<td>Fire, Douglas County Home (for the poor), near Lawrence, KS</td>
<td>-- 8</td>
<td></td>
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<tr>
<td>Year</td>
<td>Event Description</td>
<td>Location</td>
<td>Mortality</td>
<td></td>
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<td>-----------------------------------------------------------------------------------</td>
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<tr>
<td>1930</td>
<td>Apr 22, Ohio State Penitentiary Fire</td>
<td>Columbus, OH</td>
<td>320-322</td>
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<tr>
<td>1977</td>
<td>June 26, Arson Fire, Maury County Jail</td>
<td>Columbia, TN</td>
<td>42</td>
<td></td>
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<tr>
<td>1967</td>
<td>July 16, Riot, Fire, Prison Barracks/Camp</td>
<td>Berrydale, FL</td>
<td>42</td>
<td></td>
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<tr>
<td>1913</td>
<td>July 21, Fire, Convict Cage, Oakley Convict Farm</td>
<td>Hinds County, MS</td>
<td>35</td>
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<tr>
<td>1916</td>
<td>Mar 06, Jail Fire, “El Holocausto,” or the “Jail Holocaust,”</td>
<td>El Paso, TX</td>
<td>18-30</td>
<td></td>
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<tr>
<td>1916</td>
<td>Mar 06, Jail Fire, “El Holocausto,” or the “Jail Holocaust,”</td>
<td>El Paso, TX</td>
<td>18-30</td>
<td></td>
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<tr>
<td>1982</td>
<td>Nov 8, Fire (intentionally set by inmate), Harrison County Jail</td>
<td>Biloxi, MS</td>
<td>29</td>
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<tr>
<td>1959</td>
<td>Mar 5, Fire, Negro Boys Industrial School Reformatory Dorm</td>
<td>Wrightsville, AR</td>
<td>21</td>
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<tr>
<td>1950</td>
<td>Mar 08, Fire, prisoner jail, Sandia Secret Weapons Base,</td>
<td>Albuquerque, NM</td>
<td>15</td>
<td></td>
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<tr>
<td>1866</td>
<td>Jan, Fire Jail and City Guard House</td>
<td>Marietta, GA</td>
<td>13</td>
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<tr>
<td>1931</td>
<td>Mar 17, Fire, Stockade, County Jail</td>
<td>Kenansville, NC</td>
<td>11</td>
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<tr>
<td>1975</td>
<td>June 9, Mattress set on Fire, spreads, Seminole County Jail</td>
<td>Sanford, FL</td>
<td>11</td>
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<tr>
<td>1979</td>
<td>Dec 27, Fire, Lancaster County Jail</td>
<td>Lancaster, SC</td>
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</table>

1175 Cross-listed in Violence-Arson.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Type, Location, Details</th>
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</thead>
<tbody>
<tr>
<td>1908</td>
<td>Mar 04</td>
<td>Fire, Trampling, Lake View Elem. School, Collinwood, OH</td>
</tr>
<tr>
<td>1958</td>
<td>Dec 01</td>
<td>Our Lady of the Angels Elementary School Fire, Chicago, IL</td>
</tr>
<tr>
<td>1923</td>
<td>May 17</td>
<td>Fire, Cleveland School District, Kershaw County, near Camden, SC</td>
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<tr>
<td>1924</td>
<td>Dec 24</td>
<td>Babbs Switch School Fire, Hobart, OK</td>
</tr>
<tr>
<td>1884</td>
<td>Jan 05</td>
<td>Fire, Immaculate Conception Academy (Conv./School), Belleville, IL</td>
</tr>
<tr>
<td>1924</td>
<td>May 31</td>
<td>Fire, Hope Development School, Playa Del Rey, near Venice CA</td>
</tr>
<tr>
<td>1915</td>
<td>Oct 28</td>
<td>Fire, Trampling, St. John’s Parochial School, Peabody, MA</td>
</tr>
<tr>
<td>1903</td>
<td>Dec 18</td>
<td>Fire, Women’s Dormitory, Walden University, Nashville, TN</td>
</tr>
<tr>
<td>1954</td>
<td>Mar 31</td>
<td>Cleveland Hill Elementary School Fire, Cheektowaga, NY</td>
</tr>
<tr>
<td>1918</td>
<td>Jan 12</td>
<td>Fire, Boys dorm., Dwight Indian Mission School, Marble City, OK</td>
</tr>
<tr>
<td>1916</td>
<td>Oct 05</td>
<td>Fire, Christian Brothers College, St. Louis, MO</td>
</tr>
<tr>
<td>1977</td>
<td>Dec 13</td>
<td>Fire, Providence College Women’s Dormitory, Providence, RI</td>
</tr>
</tbody>
</table>

1176 Cross-listed in Violence-Crushing, Trampling, Suffocation.

1177 Cross-listed in Violence subsection: Crushing, Trampling, Suffocation. Most of the girls died at the door block.
1. 1900 -- Jun 30, Fire, Lloyd Steamship Piers, Ships, Hoboken, NJ\textsuperscript{1178} --300-400
4. 1956 -- Dec 03, Luckenbach Steamship Pier Fire, Detonators Explode, Brooklyn, NY\textsuperscript{1179} -- 10

\textsuperscript{1178} Cross-listed under Maritime Disasters, Explosions/Fires.
\textsuperscript{1179} 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, MA 1180 -- 498
2. 1940 -- April 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, RI 1181 -- 100
5. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY 1182 -- 87
6. 1894 -- Dec 24, Fire, Chrisman Bros. Hall, Silver Lake, Lake County, OR -- 43
7. 2016 -- Dec 2, Fire, rave party in warehouse, Fruitvale district, Oakland, CA 1183 -- 36
8. 1973 -- Jun 24, Cocktail Lounge Fire, New Orleans, LA -- 32
11. 1974 -- Jun 30, Gulliver’s Discotheque Fire, 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, OH 1185 -- 22
14. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV 1186 -- 15
15. 1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL 1187 -- 13
16. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY 1188 -- 12
17. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO 1189 -- 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

1180 Cross-listed in Violence-Crushing, Trampling, Suffocation.
1181 Cross-listed in Violence-Crushing, Trampling, Suffocation.
1182 Cross-listed in Violence-Arson.
1183 An entertainment event (live music, paid admission) at a warehouse for artist work/non-permitted living.
1184 Cross-listed in Explosions and in Violence/Trampling.
1185 Cross-listed in Explosions.
1186 Cross-listed in Explosions (gas can deliberately thrown into fire from kicked-over stove), and in Violence.
1187 Cross-listed in Violence-Arson.
1188 Cross-listed in Violence-Arson.
1189 Cross-listed in Violence-Arson.
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, AR\textsuperscript{1190} -- 13
3. 1963 -- Dec 25, Oil Heater explodes/house burns (Johnson children), Charleston, SC -- 13
4. 1941 -- Oct 28, Home Fire, Montclair, NJ -- 12
5. 1961 -- Mar 28, Residential fire (lightning?), Alex Whitehead home, Dotsonville, TN\textsuperscript{1191} -- 12
6. 1969 -- June 8, Arson Fire (Patricide), Bailey Family Home, Parkersburg, WV\textsuperscript{1192} -- 12
7. 1987 -- Sep 30, Residence Fire, Milwaukee, WI -- 12
8. 1949 -- Mar 03, Kerosene Explosion and Fire, Residential, Lakewood, MI -- 11
9. 1959 -- Mar 15, Fire, Farm House (10 children and farmer), Cross Hill, SC -- 11
10. 1964 -- Feb 22, House Fire (Moses James family, 9 children), near Society Hill, SC -- 11
11. 1968 -- Feb 11, Fire, Dwelling, Franklin, PA -- 11
12. 1968 -- July 18, Fire, Dwelling (9 children, 2 adults), St. Albans sec., Queens, NY -- 11
15. 2001 -- Jan 03, Single Family Dwelling Fire, Oak Orchard, Sussex Ct., DE -- 11
16. 1905 -- Jan 03, Entire Noweski Family Killed, Fire, Morris Run, PA -- 10
17. 1958 -- Apr 05, Home Fire, Porter Township, near Jersey Shore and Williamsport, PA -- 10
18. 1962 -- Jan 15, Fire, Paladino home, Catholic Point community ~Center Ridge, AR -- 10
19. 1963 -- Feb 21, Farm/tenant home Fire, near Luxora, AR -- 10
20. 1963 -- Feb 23, Home Fire (Paul Saville family--wife, 8 children), Morehouse, MO -- 10
21. 1964 -- Sep 12, Farm House Fire (Bowdish/McConnell children), Kasota, MN -- 10
22. 1969 -- Apr 05, kerosene explosion/Fire, house, Oakwood Bayou community ~Dumas, AR -- 10
23. 1969 -- July 10, Fire, Farm Dwelling (laundry room), Posen, Presque Isle County, MI -- 10
24. 1989 -- Jan 01, Rural House Fire, Remer, MN -- 10
25. 2007 -- Feb 06, Single-Family House Fire, Bardstown, KY -- 10
26. 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, WV\textsuperscript{1193} -- 9
1984 -- Feb 4, 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, OH\textsuperscript{1194} -- 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, Fire, home, linked to electric heater, Mom, children, Depoy, KY -- 9

1944 -- Dec 30, Residential Home Fire, Columbus, IN -- 8
1950 -- March 2, Residential family home fire, Monson, ME -- 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

\textsuperscript{1190} Cross-listed in Explosions. The deaths were caused by burning fuel thrown onto the victims.
\textsuperscript{1191} Cross-listed in Lightning.
\textsuperscript{1192} Cross-listed in Violence-Arson.
\textsuperscript{1193} Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.
\textsuperscript{1194} Cross-listed in Violence-Arson.
1967 -- July 04, Fire, Shanty Family Residence, Oxford, ME

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1936</td>
<td>Feb 18</td>
<td>Broyles home fire, overheated stove, South Hutchinson, KS</td>
<td>7</td>
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<tr>
<td>1944</td>
<td>Mar 06</td>
<td>Children die in home fire, York Beach, ME</td>
<td>7</td>
</tr>
<tr>
<td>1954</td>
<td>Apr 03</td>
<td>Fire, Mother and Six Children Die, Farm House near Tuttle, ND</td>
<td>7</td>
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<tr>
<td>1954</td>
<td>Apr 10</td>
<td>Explosion, kerosene put in home stove, fire, Columbia, AL</td>
<td>7</td>
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<tr>
<td>1959</td>
<td>Mar 29</td>
<td>Fire, residence, children killed, Daniltown, Brunswick County, VA</td>
<td>7</td>
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<tr>
<td>1963</td>
<td>Apr 23</td>
<td>Residential Fire, River Park Drive, Louisville, KY</td>
<td>7</td>
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<tr>
<td>1964</td>
<td>Mar 3</td>
<td>Lightning hits residence starting fire, Forrest City, AR</td>
<td>7</td>
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<tr>
<td>2006</td>
<td>July 20</td>
<td>Fire (over-heated refrigerator), Residential Home, Chickasha, OK</td>
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<tr>
<td>2013</td>
<td>Mar 09</td>
<td>Fire, Home (unknown cause), Man, Woman, 5 Children, Gray, KY</td>
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<tr>
<td>1954</td>
<td>Apr 03</td>
<td>Explosion/fire, kerosene poured in home stove, Glouster, OH</td>
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<tr>
<td>1955</td>
<td>Feb 01</td>
<td>Home Fire, all children, Chuckatuck, VA</td>
<td>6</td>
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<tr>
<td>1959</td>
<td>Jan 05</td>
<td>Fire, residential, coal-burning stove, Winstonville, Bolivar Co., MS</td>
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<tr>
<td>1959</td>
<td>Jan 20</td>
<td>Fire (exploding stove?), residence, children killed, Ashland, ME</td>
<td>6</td>
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<tr>
<td>1959</td>
<td>Mar 16</td>
<td>Fire, residence (father and five children), Superior, WI</td>
<td>6</td>
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<tr>
<td>1959</td>
<td>Apr 25</td>
<td>Fire, Waldrop residence, Hill City, near Calhoun, GA</td>
<td>6</td>
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<tr>
<td>1960</td>
<td>Mar 27</td>
<td>Home Fire kills widow and five children, Winthrop, ME</td>
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<tr>
<td>1963</td>
<td>Dec 16</td>
<td>Children die, Duplex home fire, space heater spilled oil, Portland, ME</td>
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<tr>
<td>1989</td>
<td>July 4</td>
<td>Home Fire, children, locked in house, River Park Drive, Louisville, KY</td>
<td>6</td>
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<tr>
<td>1999</td>
<td>Jan 1</td>
<td>Fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN</td>
<td>6</td>
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<tr>
<td>2006</td>
<td>March 11</td>
<td>Fire, Residential, wood-burning stove probable cause, Shoals, IN</td>
<td>6</td>
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<tr>
<td>2006</td>
<td>Apr 7</td>
<td>Fire, Residential, Propane lantern ignites mtl. in mobile home, Jacksonville, FL</td>
<td>6</td>
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<tr>
<td>2014</td>
<td>Feb 22</td>
<td>House Fire (parents and four children), Indianapolis, IN</td>
<td>6</td>
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<tr>
<td>2014</td>
<td>Aug 29</td>
<td>Mobile home fire (cause undetermined), just outside Garland, NC</td>
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<tr>
<td>1902</td>
<td>Aug 24</td>
<td>Residential House Fire kills children, Portland, ME</td>
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<tr>
<td>1954</td>
<td>Jan 04</td>
<td>Fire, Residential Home, 5 Children Die, Oglethorpe, GA</td>
<td>5</td>
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<tr>
<td>1954</td>
<td>Jan 04</td>
<td>Fire, Home Oil Space Heater Explodes, Old Orchard Beach, ME</td>
<td>5</td>
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<tr>
<td>1954</td>
<td>Jan 21</td>
<td>Stove Explodes, Home Burns, mother and 4 children die, Gordon, NE</td>
<td>5</td>
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<tr>
<td>1954</td>
<td>Aug 23</td>
<td>Children die in residential home fire, Waterville, ME</td>
<td>5</td>
</tr>
<tr>
<td>1955</td>
<td>Jan 31</td>
<td>Fire (mother and children), Home Oil Stove, Lakeview, GA</td>
<td>5</td>
</tr>
<tr>
<td>1959</td>
<td>Feb 15</td>
<td>Home Fire, thought to be from Coal Cooking Stove, Pinson Fork, KY</td>
<td>5</td>
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<tr>
<td>1992</td>
<td>Nov 8</td>
<td>Fire (fireplace ashes in box), Home, South Jordan (~Salt Lake), UT</td>
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</tbody>
</table>

1195 Cross-listed in Explosions.
1196 Cross-listed in Lightning.
1197 Cross listed in Explosions.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
<th>Location</th>
<th>Casualty Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1946</td>
<td>Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC</td>
<td>--</td>
<td>37</td>
</tr>
<tr>
<td>1903</td>
<td>Nov 01, “House of All Nations” Tenement Fire, Eleventh Ave., NYC, NY</td>
<td>--</td>
<td>25</td>
</tr>
<tr>
<td>1973</td>
<td>Nov 15, Apartment House Fire, Los Angeles, CA</td>
<td>--</td>
<td>25</td>
</tr>
<tr>
<td>1982</td>
<td>Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA</td>
<td>--</td>
<td>24-25</td>
</tr>
<tr>
<td>1979</td>
<td>Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ</td>
<td>--</td>
<td>21</td>
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<tr>
<td>1860</td>
<td>Feb 02, Tenement Building Fire, 142 Elm Street, East Manhattan, NY, NY</td>
<td>--</td>
<td>10-20</td>
</tr>
<tr>
<td>1888</td>
<td>Aug 03, Fire, Tenement House, 197 Bowery, NY, NY</td>
<td>--</td>
<td>17-20</td>
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<tr>
<td>1905</td>
<td>Mar 14, Fire, Tenement, Allen St., New York City, NY</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1907</td>
<td>July 28, Fire, Tenement House, 222 Chrystie Street, East Side, NYC, NY</td>
<td>--</td>
<td>19-20</td>
</tr>
<tr>
<td>1976</td>
<td>Jan 10, Pathfinder (residential) Hotel Natural Gas Explos./Fire, Fremont, NE</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1940</td>
<td>Jan 03, Fire, Marlborough (Apartment) Hotel, Minneapolis, MN</td>
<td>--</td>
<td>19</td>
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<tr>
<td>1945</td>
<td>Feb 17, Fire, Maefair Apartments, Tacoma, WA</td>
<td>--</td>
<td>19</td>
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<tr>
<td>1953</td>
<td>Sep 07, Fire, Spector Realty Co. Tenement building, State St., Chicago, IL</td>
<td>--</td>
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<tr>
<td>1957</td>
<td>Nov 16, Fire, Tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY</td>
<td>--</td>
<td>18</td>
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<tr>
<td>1900</td>
<td>Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ</td>
<td>--</td>
<td>16</td>
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<tr>
<td>1904</td>
<td>Sep 04, Fire, 5-Story Tenement, Attorney St., New York City, NY</td>
<td>--</td>
<td>15</td>
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<tr>
<td>1922</td>
<td>Oct 22, Fire, Apartment House, Lexington Avenue, NY, NY</td>
<td>--</td>
<td>15</td>
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<tr>
<td>1984</td>
<td>July 4, Arson, Elliott Chambers Rooming Home Fire, Beverly, MA</td>
<td>--</td>
<td>15</td>
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<tr>
<td>1890</td>
<td>Feb 02, Shop and Tenement Fire, North Street, Boston, MA</td>
<td>--</td>
<td>12-14</td>
</tr>
<tr>
<td>1900</td>
<td>July 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken, NJ</td>
<td>--</td>
<td>13-14</td>
</tr>
<tr>
<td>1917</td>
<td>Feb 02, Gas Explosion/Fire, Tenement Buildings, Chicago, IL</td>
<td>--</td>
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<td>1924</td>
<td>Feb 19, Fire, Tenement House, Madison St., New York, NY</td>
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<tr>
<td>1975</td>
<td>Dec 12, Fire, Apartment Building, San Francisco, CA</td>
<td>--</td>
<td>14</td>
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<td>1982</td>
<td>July 5, Arson Fire, Apartment Building, Waterbury, CT</td>
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<tr>
<td>1923</td>
<td>Feb 23, Fire, Garage and Apartments, Hatley Building, Kansas City, KS</td>
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<tr>
<td>1932</td>
<td>June 07, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH</td>
<td>--</td>
<td>13</td>
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<tr>
<td>1942</td>
<td>Jan 20, Fire, Melvin Hall Apartments, Lynn, MA</td>
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<tr>
<td>1968</td>
<td>Aug 31, In-Crowd Lounge/Apartment Fire (possibly Arson), Gary, IN</td>
<td>--</td>
<td>13</td>
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<tr>
<td>1979</td>
<td>Oct 19, Typhoon/fuel bladder ruptures/barracks fire, USMC Camp Fuji, Japan</td>
<td>--</td>
<td>13</td>
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<tr>
<td>1982</td>
<td>April 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ</td>
<td>--</td>
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<tr>
<td>1904</td>
<td>Nov 20, Fire, Tenement House, Troutman Street, Brooklyn, NY</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1921</td>
<td>Nov 14, Fire, Tenement House, 108 West 17th St., NYC, NY</td>
<td>--</td>
<td>10-12</td>
</tr>
<tr>
<td>1923</td>
<td>Apr 27, Fire, Tenement Building, East 109th Street, NYC, NY</td>
<td>--</td>
<td>12</td>
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<tr>
<td>1955</td>
<td>Feb 01, Oil Stove Fire (11 children), Tenement, Schuyler St., Amsterdam, NY</td>
<td>--</td>
<td>12</td>
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</tbody>
</table>

1198 Cross-listed in Violence-Arson.
1199 Cross-listed in Violence-Arson.
1200 Though originally a hotel, it had been modified to provide apartments. Cross-listed in Fire-Explosions.
1201 Cross-listed in Violence-Arson.
1202 Cross-listed in Violence-Arson.
1203 Cross-listed in Violence-Arson.
1204 Cross-listed in Explosions.
1205 Cross-listed in Violence-Arson.
1206 Cross-listed in Violence-Arson.
1207 Cross-listed in Violence-Arson.
36. 1969 -- Jun 03, Fire, Apartment House, Kansas City, MO  -- 12
37. 1970 -- Aug 05, Fire, Pensioner Rooming House, E. Hennepin, Minneapolis, MN  -- 11-12
38. 1971 -- Apr 25, Fire, Seventh Avenue Apartments Building, Seattle, WA  -- 12
39. 1976 -- Dec 23, Fire, Apartment House, Chicago, IL  -- 12
40. 1978 -- Dec 07, Fire, Tenement House, Newark, NJ  -- 12
41. 1980 -- Dec 18, Fire, Avalon Apartment Building, Salt Lake City, UT  -- 12
42. 2017 -- Dec 28, Fire, boy, 3, playing with stove, apartment bldg., Belmont/Bronx, NY  -- 12

Fires  Tenements, Apartments, Rooming Houses, Rowhouses, Barracks  By Mortality con’t

43. 1900 -- June 15, Tenement Fire, 34 Jackson Street, NYC, NY  -- 11
44. 1902 -- Jan 29, Italian Tenement Fire, Fleet Street, North End, Boston, MA  -- 10-11
45. 1946 -- Jan 27, Fire, Apartment Building/Rooming House, Kansas City, MO  -- 11
46. 1948 -- Feb 13, Fire, Apartment Building, Hoage family, Cedar Street, Utica, NY  -- 11
47. 1959 -- Feb 14, Fire (from gas explosion), Apartment Building, Ashland, KY  -- 11
48. 1964 -- Nov 04, Fire, Dorchester Manor Apartment Hotel, Chicago, IL  -- 11
49. 1969 -- Apr 06, Fire, Wood-Frame Tenement/Apartment House, Bridgeport, CT  -- 11
52. 1985 -- May 13, Philadelphia Police Bomb MOVE, Rowhouse Fire, PA 1210  -- 11
53. 2005 -- Mar 10, Townhouse Mattress Fire, Marrero, LA  -- 11

54. 1860 -- Mar 28, Fire, 40th Street Tenement House, NYC, NY  -- 10
55. 1909 -- Mar 03, Fire, Tenement Building, 374 Seventh Avenue, NYC, NY  -- 10
56. 1923 -- Jun 21, Fire, Tenement Building, Federal Street, Chicago, IL  -- 10
57. 1935 -- Sep 29, Arson, Tenement, Chicago, IL  -- 10
58. 1936 -- Feb 3, Fire, Dormitory, Parker Dam construction site, Colorado River, CA  -- 10
59. 1966 -- Feb 5-6, Kerosene Heater Explodes, Fire, Rooming House, Miami, FL  -- 10
60. 1969 -- Dec 18, Fire, Tenement, Brooklyn, NY  -- 10
61. 1973 -- July 11, Fire, Apartment Bldg./Rooming House, Main St., Worcester, MA  -- 10
63. 1976 -- Dec 20, Fire, Apartment House, MacArthur Park, LA, CA  -- 10
64. 1977 -- Dec 10, Fire, Wenonah Park Building Apartments, Bay City, MI  -- 10
65. 1982 -- May 14, Row House Fire, Baltimore, MD  -- 10
66. 1984 -- Feb 8, Family Row-House Fire, Philadelphia (Kensington section), PA  -- 10
67. 1991 -- Feb 16, Fire (extension cord related), Apartment Bldg., New Britain, CT  -- 10
68. 1991 -- Dec 9, West Side Apartment Building Fire, Humboldt Park, Chicago, IL  -- 10
69. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA 1211  -- 10
70. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apartments, Prairie Township, OH  -- 10
71. 2007 -- Mar 07, Rowhouse Fire, Bronx, NY  -- 10

Other:

1208 Cross-listed in Violence-Arson.
1209 Cross-listed in Violence-Arson.
1210 Cross-listed in Violence-Governmental Use of Force.
1211 Cross-listed in Violence-Arson.
1967 -- Jan 14, Row House (Cigarette) Fire, 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

Fires  Tenements, Apartments, Rooming Houses, Rowhouses, Barracks  By Mortality  con’t

1983 -- Dec 9, 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 5, Fire (apparently smoking in bed), Row House (8 children), Chester, PA --       8
2007 -- May 22, Fire (smoking materials), Row House, east Baltimore, MD --       8

1994 -- Jan 9, 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 1, rooming house fire (landlord charged with manslaughter), Portland, ME --       6

1956 -- Dec 23, Fire, Downtown Apartment Bldg., mother, four children, Meriden, CT --       5
1992 -- Dec 17, Fire, four-family apartment building, Auburn, WA --       5
### Fire, structural -- Terrorism-Related subset -- By Mortality

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Victims</th>
</tr>
</thead>
<tbody>
<tr>
<td>2001</td>
<td>Sep 11, World Trade Center attack, American 11 and United 175, NY</td>
<td>2,830</td>
</tr>
<tr>
<td>2001</td>
<td>Sep 11, American Airlines hits Pentagon, Arlington VA</td>
<td>189</td>
</tr>
<tr>
<td>1995</td>
<td>Apr 19, Terrorism, Alfred P. Murrah Federal bldg. Bombing, Oklahoma City</td>
<td>121-168</td>
</tr>
<tr>
<td>1910</td>
<td>Oct 1, Los Angeles Trade Unionist Dynamiting and Fire, <em>LA Times</em>, CA</td>
<td>21</td>
</tr>
</tbody>
</table>

1212 Cross-listed in Violence and in explosions (almost 40% of 168 victims died from fire and smoke inhalation).
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1903</td>
<td>Dec 30</td>
<td>Fire, suffocation, trampling</td>
<td>Iroquois Theater, Chicago, IL</td>
<td>602</td>
</tr>
<tr>
<td>1876</td>
<td>Dec 05</td>
<td>Conway Theater Fire, Trampling, Suffocation</td>
<td>Brooklyn, NY</td>
<td>283-300</td>
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<tr>
<td>1908</td>
<td>Jan 13</td>
<td>Fire and Trampling</td>
<td>Rhoads Opera House, Boyertown, PA</td>
<td>169-175</td>
</tr>
<tr>
<td>1811</td>
<td>Dec 26</td>
<td>Theater Fire</td>
<td>Richmond, VA</td>
<td>61-75</td>
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<tr>
<td>1916</td>
<td>May 10</td>
<td>Explosion, Fire, Trampling</td>
<td>Theater, Wallacetown, VA</td>
<td>13-26</td>
</tr>
<tr>
<td>1867</td>
<td>Jun 19</td>
<td>Fox’s American Theater Fire</td>
<td>Philadelphia, PA</td>
<td>10-15</td>
</tr>
<tr>
<td>1892</td>
<td>Apr 27</td>
<td>Fire, Gilmore’s Central Theater</td>
<td>Philadelphia, PA</td>
<td>14</td>
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<tr>
<td>1941</td>
<td>Mar 10</td>
<td>Strand Theater Fire &amp; Roof Collapse</td>
<td>Brockton, MA</td>
<td>13</td>
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<tr>
<td>1896</td>
<td>Sep 05</td>
<td>Fire, Yore’s Opera House</td>
<td>Benton Harbor, MI</td>
<td>12</td>
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<tr>
<td>1887</td>
<td>July 9</td>
<td>Alcazar Theater Fire and town Conflagration</td>
<td>Hurley, WI</td>
<td>10-11</td>
</tr>
<tr>
<td>1901</td>
<td>Nov 06</td>
<td>Fire, Klondyke Theater</td>
<td>Harley, WI</td>
<td>10</td>
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<tr>
<td>1921</td>
<td>Nov 27</td>
<td>Fire, Rialto Theatre</td>
<td>New Haven, CT</td>
<td>9</td>
</tr>
</tbody>
</table>

1213 Cross-listed in Violence-Crushing, Trampling, Suffocation.
1214 Cross-listed in Violence-Crushing, Trampling, Suffocation.
1215 Cross-listed in Violence-Crushing, Trampling, Suffocation.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1892</td>
<td>June 05, Dam Failure and Oil Fire, Titusville, Oil City, PA&lt;sup&gt;1216&lt;/sup&gt;</td>
</tr>
<tr>
<td>1944</td>
<td>July 06, Barnum &amp; Ringling Broth. Circus Fire, Stampede, Hartford, CT&lt;sup&gt;1216&lt;/sup&gt;</td>
</tr>
<tr>
<td>1936</td>
<td>Apr 06, Tornado and Fire, Cooper Pants Factory, Gainesville, GA&lt;sup&gt;1217&lt;/sup&gt;</td>
</tr>
<tr>
<td>1965</td>
<td>Aug 09, Titan II ICBM Silo Fire leading to Suffocation, near Searcy, AR&lt;sup&gt;1218&lt;/sup&gt;</td>
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<tr>
<td>1968</td>
<td>Apr 05, Gas and Gunpowder Explosion, Fire, Richmond, IN&lt;sup&gt;1219&lt;/sup&gt;</td>
</tr>
<tr>
<td>1965</td>
<td>Nov 24, Natural Gas explosion/fire, Nat. Guard Armory dance, Keokuk, IA&lt;sup&gt;1218&lt;/sup&gt;</td>
</tr>
<tr>
<td>1943</td>
<td>Feb 18, Boeing XB-29 Crash into Frye Packing Plant, Fire, Seattle, WA&lt;sup&gt;1219&lt;/sup&gt;</td>
</tr>
<tr>
<td>1901</td>
<td>Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH&lt;sup&gt;1220&lt;/sup&gt;</td>
</tr>
<tr>
<td>2000</td>
<td>Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM&lt;sup&gt;1221&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

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<sup>1216</sup> Cross-listed under Dam Failures
<sup>1217</sup> 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.
<sup>1218</sup> 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.
<sup>1219</sup> 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.
<sup>1220</sup> Cross listed in Mines Tunnels and Quarries.
<sup>1221</sup> 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, PA --2,209-3,188
2. 1861 -- Dec-Jan 1862, Flooding, AZ, CA, OR, WA, UT, especially CA and OR -->1,000?
3. 1913 -- March 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, Flooding, OH/MS river valleys, esp. AR/KY/MI/OH/TN --408-467
6. 1928 -- Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA --370-431
7. 1844 -- May-June, Central US Floods, esp. IL, OH, KS, MO, Red, Upper MS Rivers -- 400
8. 1892 -- Jun 05, Dam Failure, Oil Fire, Titusville, Oil City, PA -- 350
9. 1899 -- June 17-28, Flooding, Brazos River, TX -- 284
10. 1903 -- June 14, Downpour, Flash Flood, Willow Creek, Heppner (and area), OR -- ~247
11. 1912 -- Mar-Apr, Flooding, Miss. River, IL, TN, MS, KY, AR, MO, LA -- 245
12. 1972 -- Jun 09, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD --236-238
13. 1921 -- Sep 8-10, Flooding, esp. San Antonio & Milam, Williamson Counties TX -- >224
14. 1874 -- July 26, Heavy Rain, Flooding, Allegheny/Pittsburgh, PA --100-220
15. 1938 -- Feb 27-March 4, Flooding, Southern CA -- 210
16. 1844 -- Oct 19, Lower Great Lakes Storm & Flooding, Lake Erie, Buffalo, NY -- 200
17. 1874 -- May 16, Mill River Reservoir Dam Failure, Williamson, MA --139-200
18. 1901 -- June 23, Flooding, Elkhorn River, Pocahontas Rgn., Burke, Keystone, WV -- 200
19. 1927 -- Nov 2-4, New England Flooding, MA, NH, CT, ME, and especially VT -- 200
20. 1936 -- Mar 11-21, Flooding, New England -- 200
21. 1913 -- Dec 2-10, Texas Floods, Brazos, Other Valleys, Cent., East, Coast TX -- 177-190
22. 1935 -- May 30-June 1, Floods, esp. Republican & Kansas Rivers, esp. NE, CO, KS-159-168
23. 1969 -- Aug 19, Flash Flood, Nelson County, VA -- 159
24. 1771 -- May 27, Flooding, esp. James, Rappahannock Rivers, Richmond & Henrico Co., VA --150
25. 1862 -- June 4/5, Great Flood of ’62, Flooding & Dam Failures, Lehigh River, PA -- ~150
26. 1903 -- May 26-Jun 18, Flooding, upper MS, lower MO valleys, IA, KS, MO --100-149
27. 1911 -- Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA --78-149
28. 1976 -- July 31, Big Thompson Canyon Flash Flood, CO -- 144
29. 1972 -- Feb 26, Dam Failure, Buffalo Creek, WV -- 126
30. 1850 -- Sep 2, Rain/Flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge -- 120
31. 1921 -- June 2, Arkansas River Levee Failures, Pueblo County, CO -- 120
32. 1969 -- Jan 18-26, Storms, Flooding, Vehicle deaths, Mudslides, Southern CA -- 97-103

1222 Cross-listed in Structural Failures -- Dam and Levees
1223 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.
1224 Cross-listed in Structural Failures -- Dam and Levees
1225 Cross-listed in Structural Failures -- Dam and Levees
1226 Cross-listed in Structural Failures -- Dam and Levees
1227 Cross-listed in Structural Failures -- Dam and Levees
1228 Cross-listed in Structural Failures -- Dam and Levees
1229 Cross-listed in Structural Failures -- Dam and Levees
1230 Cross-listed in Structural Failures -- Dam and Levees
1231 Cross-listed in Structural Failures -- Dam and Levees
1232 Cross-listed in Structural Failures in that most of the fatalities were of people in structures which failed.
1233 Cross-listed in Structural Failures -- Dam and Levees

33. 1882 -- Aug 23-24, Flooding, Concho Rivers, Ben Ficklin & vicinity, TX --65->100
34. 1890 -- Feb 22, Dam Failure, Walnut Grove, AZ1234 -- 100
35. 1916 -- Aug 9, Flash Floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV--60-100
36. 1936 -- Mar 17-20, “St Patrick’s Day Floods”, esp. Pittsburgh & Johnstown PA -- ~100

FLOODING – Deadliest American -- By MORTALITY -- (Cont.)

37. 1927 -- May, Kentucky River Flood -- 89
38. 1993 -- May-early Nov, July (especially), Midwest Flooding, esp. MS & MO Rivers --72-84
39. 1889 -- May 31/Jun 1, Flooding, Nittany Valley, North Central PA -- ~ 84
40. 1977 -- July 20, Dam Failures, Flash Floods, Johnstown & Tanneryville, PA1235 -- 84
41. 1908 -- Aug 24-28, Flooding, Fire, Bridge, Dam, Levee Failures NC, SC, GA, VA --46-80
42. 1939 -- July, Flooding, Licking and Kentucky Rivers -- 78
43. 1948 -- May 22-June 11, Flooding/dike failures, Pacific NW, esp. Vanport, OR1236 --57-77
44. 1907 -- March 13-18, Flooding, numerous rivers, Southern OH, Western PA, WV -- ~76
45. 1955 -- Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA1237 -- 76
46. 1985 -- Nov 4-5, Flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)1238 --71-74
47. 1903 -- June 6, Flash & River Flooding, Pacolet River, especially ~ Pacolet, SC -- 65
48. 1912 -- July 24, Cloudbursts, Flooding, PA, and WV -- 60
49. 1916 -- Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure1239 --22-60
50. 1943 -- Apr–Jun, Floods, Midwest Riv. Basin, AR/IA/IL/IN/MI/MI/MS/OH/OK --12-60
51. 1964 -- June 8-9, Heavy rain, flooding, dam failures, esp. Blackfeet Reservation, MT -- 58
52. 1935 -- July 7-11, Mohawk & Upper Susquehanna River Flooding, NY & PA -- 52
53. 1970 -- Oct 5-10, Tropical storm/flooding (18 confirmed, 34 missing), Puerto Rico1240--18-52
54. 1921 -- Sep 7, South TX Hurricane Leads to Flash Flood, San Antonio, TX -- 51
55. 1868 -- July 24, Storm Flood, Baltimore and Ellicott City, MD -- 50
56. 1895 -- July 4-7, Mid-West Storms, 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, Train Derails, Rockport Crossing, near Hackettstown, NJ1241 -- 50
59. 2001 -- June 08, Tropical Storm Allison Flooding, TX, LA, FL, NC, VA, PA -- ~ 50
60. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, SE TX, esp. greater Houston1242 -- >50
61. 1938 -- June 19, Flash Flood, Bridge Fails, Train Crash, Custer Creek, MT1243 --46-47
62. 1964 -- Dec 21-28, Floods, Pacific NW, esp. no. CA and OR; also so. WA/ID/NV --45-47
63. 1915 -- Aug 3, Cloudburst, Flash Flood, Drownings, Mill Creek, Erie, PA --29-45

1234 Cross-listed in Structural Failures -- Dam and Levees
1235 Cross-listed in Structural Failures, Dams and Levees.
1236 There was well over a month of flooding. Our dates encompass flooding deaths (including 11 from Canada). 57 is a solid figure; higher than 57 deaths figure is questionable in that it includes 39 deaths from WA (Weather Bureau report for Washington State for May-June notes 39 state deaths), and we have been able to specifically identify but six. Cross-listed in Structural Failures -- Dams, Dikes, and Levees.
1237 Cross-listed in Structural Failures, Dams and Levees.
1238 Cross-listed in Hurricanes. Death toll was 47-48 for WV, 22 for VA, 1 for MD and 1 for PA.
1239 Cross-listed in Structural Failures, Dams and Levees.
1240 Cross-listed in Hurricanes and Tropical Storms.
1241 Cross-listed in Rail.
1242 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 total hurricane-related deaths in TX -- we do.
1243 Cross-listed in Flash Floods and Structural Failures -- Bridge/Trestles.
64. 1933 -- Dec 30-31, Southern California Flooding
65. 1939 -- Sep 25, El Cordonazo Tropical Storm, Southern CA, Flooding subset
66. 1870 -- Sep 30, Flooding, Shenandoah River, Virginius Island, Harpers Ferry, WV
67. 1876 -- July 4, Storm, Flash Flood, Dam Failure, Rockdale, IA
68. 1942 -- May 22/23, Flooding, Eastern, Central, Northeastern PA
69. 1902 -- Mar 26-30, Storm, Flooding, AL, KY, MS, especially TN
70. 1951 -- July 12, Storms, Flooding, KS, MO, esp. Manhattan, Topeka, Lawrence, KS
71. 1969 -- July 04, Thunderstorms, Flooding, Strong Winds, Tornadoes, Erie Coast, OH
72. 1899 -- May, Brazos River Flood, Central and East TX
73. 1964 -- Dec, Southern California Flooding

FLOODING – Deadliest American -- By MORTALITY -- (Cont.)

74. 1977 -- Nov 06, Dam Failure and Flooding, Kelly Barnes Dam, Toccoa, GA
75. 1996 -- Jan 19-20, East Coast Flooding, especially PA (19) and NY (10)
76. 1916 -- Aug 2-3, Cloudburst, Mill Dam Fails, Flash Flood, ~New Tazewell, TN
77. 1900 -- Jun 23, Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA
78. 1980 -- Feb 13-21, Storms, flooding, mudslides, Cent. AZ, So.-coastal/Baja, CA, UT
79. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, AL, esp. GA
80. 2015 -- May 21-26, Storms, Heavy Rain, Flooding and Tornadoes, TX and OK
81. 1912 -- Sep 02, Storms, Flooding, PA, OH, WV
82. 1997 -- March 1-3, Flash Floods & Flooding, esp. Ohio River Valley, esp. KY (21)
83. 1915 -- Apr 23, Flash Flood, Austin, TX
84. 1882 -- Jan-March, Mississippi River Flood
85. 1978 -- July 30-Aug 4, Tropical Storm Amelia & remnants, Flash Flooding, TX
86. 1898 -- Apr 03, Levee Fails, Flash Flood, Shawnetown, IL
87. 1973 -- Mid-March to April, Mississippi River Flood of 1973
88. 2015 -- Dec 26-28, Flooding (31 drownings), AR (1); IL (9); MO (15); OK (7)
89. 1923 -- Sep 27, Flooding, Bridge Washout/Train Derails, near Lockett, WY
90. 1950 -- June 24-25, Flash Flooding, 6 Counties, Central WV
91. 1993 -- Jan 5-Feb 28, Winter storms, heavy rain and flooding, Southern CA
92. 1837 -- June 14-15, Thunderstorms, Flooding, Jones’ Falls, Baltimore, MD
93. 1873 -- April 8/10, Flood, Drowning/Bldg. Collapse, Genesee River, Rochester NY
94. 1874 -- Pueblo-area Flooding, CO

Cross-listed in Hurricanes and Tropical Storms.
Cross-listed in Structural Failures -- Dams, Dikes and Levees.
Cross-listed in Structural Failures -- Dams, Dikes and Levees.
Cross-listed in Structural Failures -- Dams, Dikes and Levees.
Cross-listed in Structural Failures – Dams, Dikes and Levees.
Cross-listed in hurricanes/Tropical Storms and in Structural Failures--Dams.
Cross-listed in Hurricanes/Tropical Storms.
Cross-listed in Structural Failures – Dams, Dikes and Levees.
Cross-listed in Winter Storms.

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 others were generally described as weather-related. One or more could have been from drowning, perhaps involving a vehicle. Cross-listed in Winter Storms.
95. 1874 -- July 24, Rain, Waterspout, Flooding, Eureka, NV --20-30
96. 1896 -- July 24, Flash Floods, Mt Vernon, Bear and Clear Creek Canyons, CO --29-30
97. 1888 -- July 18-19, Flooding, WV, especially Wheeling --20-30

FLOODING -- By MORTALITY (Cont.)

98. 1998 -- Oct 17-18, Flash Floods, Central TX -- 29
99. 1886 -- May 12, Flash Flood, Shawnee Creek, especially Barr’s Bottom, Xenia, OH -- 28
100. 1914 -- Sep 15, Flooding, Bridge Washout & Train Derailment, Lebanon, MO$^{1255}$ -- 28
101. 2010 -- May 1-2, Severe Storms, Flooding, KY, MS, esp. TN; Tornadoes, MS, TN$^{1256}$ -- 27
102. 1990 -- June 14, Flash Flood, Shadyside and vicinity, OH -- 26
103. 1892 -- May 18, Floyd River Flood, Sioux City, IA -- 25
104. 1977 -- Sep 13, “The Plaza Flood” Flash Flood, Kansas City, MO -- 25
105. 1900 -- April 7, Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX$^{1257}$ --24
106. 1965 -- June 11, Flash-Flood, Sanderson, TX -- 24
107. 1965 -- June 14-22, Intense Rainfall, South Platte and Ark. River basins, CO -- 24
108. 1995 -- May 5, Th-Storm, Flash flooding, roof collapse, lightning, Dallas area, TX$^{1258}$ --20-24
109. 1889 -- July 18, Flooding, Morristown, Rockport and Parkersburg vicinities, WV --19-23
110. 1898 -- Mar 22-26, Flooding, IN, OH, PA; also IL, MO, WV --18-23
111. 1903 -- Jul 05, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA$^{1259}$ --20-23
112. 1943 -- Aug 4/5, Flash Flood, Little Kanawha River Basin, central WV -- 23
113. 1950 -- May 8-9, Downbursts and Flash Floods and Flooding, Southeast Nebraska -- 23
114. 1970 -- Sep 4-6, Thunderstorms, Four Corners Flooding, AZ, CO, NM, UT -- 23
115. 2016 -- June 23-24, Flash Flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV -- 23
116. 1977 -- Apr (early) Flooding from rain, Western Slopes Appalachian Mountains -- 22
117. 1994 -- Oct 16-20 and 22, Flash Flooding/Flooding, esp. Southeast TX --19-22
118. 1907 -- Jun 7-8, Storm, Flash Flood, Gradyville, KY -- 21
120. 2015 -- Sep 14, Flash Flood; Hildale & Keyhole Canyon, Zion National Park, UT -- 21
121. 1850 -- July 18/19, Tropical Storm, Flooding, East-Central PA -- 20
122. 1877 -- Aug 29, Bridge washout, Train goes into Little Four Mile Creek, ~Des Moines, IA$^{1261}$ --20
123. 1906 -- Dec 3, Rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ --18-20
124. 1912 -- Apr 30-May 8, Levee-breaks/flooding, esp. Pointe Coupee Parish, LA --12-20
125. 2010 -- June 11, Flash Flood kills campers, Ouachita Mts., Albert Pike Rec. Area, AR -- 20
126. 1843 -- Aug 05, Cloudburst, Flash Flood, West, Southwest of Philadelphia, PA -- 19
127. 1898 -- July 8, Cloudburst, Flash Flood, Steelville and vicinity, MO -- 19
128. 1840 -- Apr 13, Downpour/Flooding/Dams Fail, esp. Pocasset Ri. Simmonsville, RI$^{1262}$ --18
129. 1891 -- Feb 18-26, Heavy Rain, Flooding, Central Highlands, esp. Clifton, AZ -- 18

$^{1255}$ Cross-listed in Rail.
$^{1256}$ There were additionally four tornado deaths and one storm-related natural death. There is reporting on two additional deaths in Mississippi.
$^{1257}$ Cross-listed in Structural Failure -- Dams, Dikes and Levees.
$^{1258}$ Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.
$^{1259}$ Cross-listed in Structural Failure– Dams, Dikes and Levees.
$^{1260}$ Cross-listed in Structural Failures.
$^{1261}$ Cross-listed in Rail. Storm heavy rainfall led to flooding which washed out the train bridge.
$^{1262}$ Cross-listed in Dam Failures.
130. 1933 -- May 12-15, Floods, esp. OH, Wabash, MS Rivs., IA/IL/IN/KY/OH/PA -- 15-18
131. 1957 -- April-June, Flooding, TX, AR, KS, LA, MO, OK River Basins -- 18
132. 1964 -- March 4-April 1, Flooding, Ohio River & tributaries, OH and esp. KY -- 15-18
133. 1970 -- Jan-Feb, Excessive Rain and Snow, Sacramento River, CA -- 18
134. 1972 -- May 11-12, downpour, flash flooding, New Braunfels and vicinity, TX -- 18

**FLOODING – Deadliest American -- By MORTALITY (Cont.)**

135. 1889 -- July 02, Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA 1263 -- 17
136. 1908 -- Aug 27-28, Cloudburst, Flash Flood, Folsom, NM -- 17
137. 1982 -- June 4-7, Heavy Rain/Flooding, New England, esp. CT/11-12 & RI/3-5 -- 14-17

138. 1817 -- Aug 8-9, Downpour, flooding, Jones Falls area, Baltimore, MD/6, York, PA/10--16
139. 1942 -- July 17-18, Cloudburst, Flash Flood, Folsom, NM -- 17
140. 1959 -- Jan 21-24, Heavy Rain, Flooding Statewide, OH -- 16
141. 2016 -- May 26-June 2, Flash Flooding/Flooding, esp. Fort Hood (June 2), TX -- 16

142. 1889 -- July 09, Storm, Flooding, Stone Bridge failure, Johnstown, NY 1264 -- 6-15
143. 1919 -- Dec 11, Heavy Rain, Flooding, GA, AL, MS -- 15
144. 1932 -- Sep 30, Flash Flood, Tehachapi Creek Basin, Woodford, Kern County, CA -- ≥15
145. 1965 -- Apr 16-27, Flooding, Levee Failures, IA, IL, MN, MO, WI -- 15
146. 1978 -- Apr, Flooding, Pearl River, LA and MS -- 15
147. 1983 -- Sep 29 to Oct 3, Storms, prolonged heavy rain and flooding, AZ 1265 -- 15
148. 1998 -- Jan 5-7, Flash Flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7) -- 15

149. 1830 -- July 26, Flooding, Middlebury, New Haven and Lincoln, VT -- 14
150. 1884 -- Feb 16, Ohio River Flooding, Boarding House Collapse, Cincinnati OH -- 10-14
151. 1903 -- Jul 2, Cloudburst/Flooding, Beeville, Mineral City, Normania, Pettus, TX -- 11-14
152. 1916 -- Jan 18, Heavy Rain, Flooding, Iao Valley, especially Wailuki, Maui, HI -- 13-14
153. 1953 -- June 8, Floyd River Flood, Sioux City, IA -- 14
154. 1957 -- Jan, Late and Early Feb, Flooding, TN, KY, VA, WV, AL -- 14
155. 1971 -- Aug 01, Thunderstorm, Flooding, Baltimore, MD -- 14
156. 1984 -- May 26-27, Flooding, Tulsa, OK -- 14
157. 1986 -- Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV 1266 -- 14

158. 1869 -- Jan 31, Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT 1267 -- 11-13
159. 1888 -- Aug, Cloudburst, Flash Flood, near Hot Springs, AR -- 13
160. 1901 -- Sep 25, Cloudburst, Flash Flood, Prospectors Drown, Presidio County, TX -- 13
161. 1903 -- June 9, downpour, Chase Creek/San Francisco Ri. flash flood, Clifton, AZ 1268 -- 7-13

1263 Cross-listed in Rail and in Fire.
1264 Cross-listed in Structural Failures -- Bridges.
1265 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.
1266 Cross-listed in Structural Failures – Dams, Dikes and Levees.
1267 Cross-listed in Structural Failures – Dams, Dikes, Levees.
162. 1947 -- Jun 23, Flooding, Cambridge and Orleans, NE -- 13
163. 1972 -- Jun 19-22, Flash Flooding from Hurricane Agnes, VA\textsuperscript{1269} -- 13
164. 1977 -- Nov 6/7, Heavy Rain, Flooding, esp. west Appalachian Mts., NC, TN -- 13
165. 1981 -- May 24, Intense Rain, Flash Flood, Austin, TX -- 13
166. 2016 -- Aug 12-16, Flooding, especially East Baton Rouge Parish, Louisiana -- 13

\textbf{FLOODING – Deadliest American -- By MORTALITY (Cont.)}

167. 1892 -- July 25, Cloudburst, Flash Flooding, Wheeling and vicinity, WV --10-12
168. 1899 -- Apr 08, Flash Flooding, Yellowstone River, esp. below Glendive, MT -- 12
169. 1902 -- May 05, Cloudburst, Flash Flood, Foss, OK -- 9-12
170. 1910 -- Mar 03, Flooding, Colfax, WA -- 12
171. 1930 -- Nov 18, Heavy Rain, Flooding, Kalihi in Honolulu, Hawaii -- 12
172. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho\textsuperscript{1270} --11-12
173. 1984 -- May 6-10, Severe storms, flash flooding esp. KY/7, SC/1, TN/3, WV/1 -- 12
174. 1985 -- Aug 01, Supercell Thunderstorm and Flash Flooding, Cheyenne, WY -- 12
175. 1998 -- Oct 4, Flash Flooding, Kansas City area (11) and south St. Joseph, MO (1) -- 12

176. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI\textsuperscript{1271} -- 11
177. 1879 -- Jun 12, Cloudburst, Flash Flood, Beaver Creek, Deadwood, SD -- 11
178. 1884 -- May 30, Cloudburst, Flash flood, cattle camp, Frenchman’s Creek, CO -- 11
179. 1909 -- July 07-9, Flooding, Missouri Valley, NW MO, KS, SE Neb., western IA -- 11
180. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS\textsuperscript{1272} -- 11
181. 1952 -- Apr, Flooding, Red River of North and upper Mississippi River -- 11
182. 1997 -- Aug 12, Flash Flood, Antelope Canyon, near Page, AZ -- 11
183. 2008 -- June 4-12, Heavy Rain leading to Flash Flooding and Flooding, Midwest -- 11

184. 1890 -- Feb 02, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR\textsuperscript{1273} -- 9-10
185. 1898 -- May 5-11, Flooding, esp. Grand, Verdigris, Ark., Canadian Rivers, AR, OK -- >10
186. 1906 -- Mar 26, Flooding, Bridge Fails Under Train, near Natrona, WY\textsuperscript{1274} -- 10
187. 1909 -- May 29, Flash Floods, Creek and Lincoln Counties, OK -- 10
188. 1915 -- Aug 20, Flooding, St. Louis and vicinity, MO -- 10
189. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO\textsuperscript{1275} -- 10
190. 1942 -- Dec (late) to first week Jan 1943, flooding, Willamette Valley, Western OR -- 10
191. 1945 -- Mar 08, Flooding, especially Ohio River, especially IN, KY, OH, PA, WV -- 10
192. 1969 -- Jan 20, Bulldozer rescue drownings, Sespe Creek, Los Padres Nat. For., CA\textsuperscript{1276} -- 10
193. 1985 -- Apr 27-28, Thunderstorms, Flash Flooding, Drownings (9), Tornadoes, TX -- 10

\textsuperscript{1268} 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.
\textsuperscript{1269} This is a subset of 129 total U.S. fatalities attributed to Hurricane Agnes.
\textsuperscript{1270} Cross-listed in Structural Failures – Dams, Dikes and Levees.
\textsuperscript{1271} Cross-listed in Structural Failures – Bridges.
\textsuperscript{1272} Cross-listed in Rail.
\textsuperscript{1273} Cross-listed in Rail and in Structural Failures, Rail Bridges and Trestles.
\textsuperscript{1274} Cross-listed in Rail and in Structural Failures – Bridges/Trestles.
\textsuperscript{1275} Cross-listed in Structural Failures (Bridge), and in Rail
\textsuperscript{1276} Subset of Jan 18-26, 1969 south California storms, flooding, and mudslides, noted above, with 97-103 fatalities.
194. 1987 -- Apr 5, Flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter\textsuperscript{1277} NY--10

195. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX\textsuperscript{1278} - 10

196. 2009 -- Sep 19-22, Downpours, Flooding, Greater Metropolitan Atlanta, GA -- 10

197. 2017 -- July 16, Flash Flood, Verde River, Tonto National Forest, Phoenix north, AZ-- 10

**Select/Notable Other (fewer than ten fatalities)**

1996 -- Feb 5-9, 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)\textsuperscript{1279} -- $\geq 7$

1996 -- Dec 26-Jan 3 ‘97, Storms, snow, heavy rain, snowmelt, flooding, CA (5), OR(1)\textsuperscript{1280} -- 6

1890 -- Feb 3-5, flooding, Portland, elsewhere, Willamette, Rogue, coastal rivers, OR -- $\geq 5$

1984 -- Sep 10, Flash Flood, family truck swept away ~15 miles W of Las Vegas, NV\textsuperscript{1281} -- 5

\textsuperscript{1277} 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.

\textsuperscript{1278} Cross-listed under Road/Highway events -- Bus.

\textsuperscript{1279} 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 drowning deaths.

\textsuperscript{1280} A significant flood event, which was a component of winter storms which caused 19 deaths in three states.

\textsuperscript{1281} Cross-listed under Road/Highway events.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1771</td>
<td>May 27</td>
<td>James, Rappahannock Rivers, Richmond &amp; Henrico Co., VA</td>
<td>150</td>
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<tr>
<td>1817</td>
<td>Aug 8-9</td>
<td>Jones Falls area, Baltimore, MD/6, York, PA</td>
<td>16</td>
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<tr>
<td>1830</td>
<td>July 26</td>
<td>Middlebury, New Haven and Lincoln, VT</td>
<td>14</td>
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<tr>
<td>1837</td>
<td>June 14-15</td>
<td>Thunderstorms, Jones’ Falls, Baltimore, MD</td>
<td>24-30</td>
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<tr>
<td>1840</td>
<td>Apr 13</td>
<td>Pocasset Ri., Simmonsville, RI</td>
<td>1282</td>
</tr>
<tr>
<td>1843</td>
<td>Aug 05</td>
<td>Cloudburst, Flash Flood, West, Southwest of Philadelphia, PA</td>
<td>19</td>
</tr>
<tr>
<td>1844</td>
<td>May-June</td>
<td>Central US Floods, esp. IL, OH, KS, MO, Red, Upper MS Rivers</td>
<td>400</td>
</tr>
<tr>
<td>1844</td>
<td>Oct 19</td>
<td>Lower Great Lakes Storm &amp; Flooding, Lake Erie, Buffalo, NY</td>
<td>200</td>
</tr>
<tr>
<td>1850</td>
<td>July 18-19</td>
<td>Tropical Storm, East-Central PA</td>
<td>20</td>
</tr>
<tr>
<td>1850</td>
<td>Sep 2</td>
<td>Rain/Flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge</td>
<td>1283</td>
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<tr>
<td>1861</td>
<td>Dec-Jan 1862</td>
<td>Flooding, AZ, CA, OR, WA, UT, especially OR and CA</td>
<td>1,000+</td>
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<tr>
<td>1862</td>
<td>June 4/5</td>
<td>Great Flood of ’62, Lehigh River, PA</td>
<td>184</td>
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<tr>
<td>1868</td>
<td>July 24</td>
<td>Storm Flood, Baltimore and Ellicott City, MD</td>
<td>50</td>
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<tr>
<td>1869</td>
<td>Jan 31</td>
<td>Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT</td>
<td>1285</td>
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<tr>
<td>1870</td>
<td>Sep 30</td>
<td>Flooding, Shenandoah River, Virginius Island, Harpers Ferry, WV</td>
<td>42</td>
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<tr>
<td>1873</td>
<td>Apr 8/10</td>
<td>Flood, Drowning/Bldg. Collapse, Genesee River, Rochester NY</td>
<td>30</td>
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<tr>
<td>1873</td>
<td>Apr 19</td>
<td>Train Derailment, Washed-out Bridge, Richmond Switch, RI</td>
<td>1286</td>
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<tr>
<td>1874</td>
<td>July 24</td>
<td>Storm Flood, CO</td>
<td>30</td>
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<tr>
<td>1874</td>
<td>May 16</td>
<td>Mill River Reservoir Dam Failure, Williamsburg, MA</td>
<td>1287</td>
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<tr>
<td>1874</td>
<td>July 24</td>
<td>Rain, Waterspout, Flooding, Eureka, NV</td>
<td>20-30</td>
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<tr>
<td>1876</td>
<td>July 04</td>
<td>Storm, Flash Flood, Dam Failure, Rockdale, IA</td>
<td>1288</td>
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<tr>
<td>1877</td>
<td>Aug 29</td>
<td>Bridge washout, Train goes into Little Four Mile Creek, ~Des Moines, IA</td>
<td>1289</td>
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<tr>
<td>1879</td>
<td>Jun 12</td>
<td>Cloudburst, Flash Flood, Beaver Creek, Deadwood, SD</td>
<td>11</td>
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<tr>
<td>1882</td>
<td>Jan-Mar</td>
<td>Mississippi River Flood</td>
<td>34</td>
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<tr>
<td>1882</td>
<td>Aug 23-24</td>
<td>Concho Rivers, Ben Ficklin &amp; vicinity, TX</td>
<td>65+</td>
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<tr>
<td>1884</td>
<td>Feb 16</td>
<td>Ohio River Flooding, Boarding House Collapse, Cincinnati OH</td>
<td>10-14</td>
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<tr>
<td>1884</td>
<td>May 30</td>
<td>Cloudburst, Flash Flood, cattle camp, Frenchman’s Creek, CO</td>
<td>11</td>
</tr>
<tr>
<td>1886</td>
<td>May 12</td>
<td>Flash Flood, Shawnee Creek, especially Barr’s Bottom, Xenia, OH</td>
<td>28</td>
</tr>
<tr>
<td>1888</td>
<td>July 18-19</td>
<td>Flooding, WV, especially Wheeling</td>
<td>20-30</td>
</tr>
<tr>
<td>1888</td>
<td>Aug</td>
<td>Cloudburst, Flash Flood, near Hot Springs, AR</td>
<td>13</td>
</tr>
</tbody>
</table>

1282 Cross-listed in Dam Failures.
1283 Cross-listed in Structural Failures in that most of the fatalities were of people in structures which failed.
1284 Cross-listed in Structural Failures – Dams, Dikes and Levees
1285 Cross-listed in Structural Failures – Dams, Dikes and Levees.
1286 Cross-listed in Structural Failures – Bridges.
1287 Cross-listed in Structural Failures – Dams, Dikes and Levees
1288 Cross-listed in Structural Failures – Dams, Dikes and Levees.
1289 Cross-listed in Rail. Storm heavy rainfall led to flooding which washed out the train bridge.
32. 1889 -- May 31, South Fork Dam Failure, Flash Flood, Fire Johnstown, PA 1290 --2,209
33. 1889 -- May 31/Jun 1, Flooding, Nittany Valley, Williamsport & North Central PA -- ~ 84
34. 1889 -- July 02, Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA 1291 -- 17
35. 1889 -- July 09, Storm, Flooding, Stone Bridge failure, Johnstown, NY 1292 -- 6-15
36. 1889 -- July 18, Flooding, Morristown, Rockport and Parkersburg vicinities, WV --19-23

FLOODING – Deadliest American -- CHRONOLOGICAL (Cont.)

37. 1890 -- Feb 2, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR 1293 -- 9-10
1890 -- Feb 3-5, flooding, Portland, elsewhere, Willamette, Rogue, coastal rivers, OR -- ≥5
38. 1890 -- Feb 22, Dam Failure, Walnut Grove, AZ 1294 -- 100

39. 1891 -- Feb 18-26, Heavy Rain, Flooding, Central Highlands, esp. Clifton, AZ -- 18

40. 1892 -- May 18, Floyd River Flood, Sioux City, IA -- 25
41. 1892 -- June 5, Dam Failure, Oil Fire, Titusville, Oil City, PA 1295 -- 350
42. 1892 -- July 25, Cloudburst, Flash Flooding, Wheeling and vicinity, WV --10-12

43. 1895 -- July 4-7, Mid-West Storms, Flooding, AR, IA, IL, KS, MO, NE, TX, WI -- ~50

44. 1896 -- July 24, Flash Floods, Mt Vernon, Bear and Clear Creek Canyons, CO --29-30

45. 1897 -- Apr 28, Flash Flood, Cottonwood River, Guthrie and vicinity, OK --28-50

46. 1898 -- Mar 22-26, Flooding, IN, OH, PA; also IL, MO, WV --18-23
47. 1898 -- Apr 03, Levee Fails, Flash Flood, Shawnetown, IL 1296 --25-33
48. 1898 -- May 5-11, Flooding, esp. Grand, Verdigris, Ark., Canadian Rivers, AR, OK -- ≥10
49. 1898 -- July 8, Cloudburst, Flash Flood, Steelville and vicinity, MO -- 19

50. 1899 -- Apr 08, Flash Flooding, Yellowstone River, esp. below Glendive, MT -- 12
51. 1899 -- May, Brazos River Flood, Central and East TX -- 40
52. 1899 -- June 17-28, Flooding, Brazos River, TX -- 284

53. 1900 -- April 7, Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX 1297 -- ≥24
54. 1900 -- Jun 23, Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA 1298 -- 37

55. 1901 -- Jun 23, Flooding, Elkhorn River, Pocahontas Rgn., Burke, Keystone, WV -- 200
56. 1901 -- Sep 25, Cloudburst, Flash Flood, Prospectors Drown, Presidio County, TX -- 13

1290 Cross-listed in Structural Failures – Dams, Dikes and Levees
1291 Cross-listed in Rail and in Fire.
1292 Cross-listed in Structural Failures – Bridges.
1293 Cross-listed in Rail and in Structural Failures – Rail Bridges and Trestles.
1294 Cross-listed in Structural Failures -- Dam and Levees
1295 Cross-listed in Structural Failures -- Dam and Levees
1296 Cross-listed in Structural Failures -- Dams, Dikes and Levees.
1297 Cross-listed in Structural Failures -- Dams, Dikes and Levees.
1298 Cross-listed in Rail and in Structural Failures -- Bridges/Trestle.
## FLOODING -- (Except Mine Floods) -- Deadliest American -- CHRONOLOGICAL

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location(s)</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1902</td>
<td>Mar 26-30</td>
<td>Storm, Flooding</td>
<td>AL, KY, MS, especially TN</td>
<td>38-41</td>
</tr>
<tr>
<td>1902</td>
<td>May 05</td>
<td>Cloudburst, Flash Flood</td>
<td>Foss, OK</td>
<td>9-12</td>
</tr>
<tr>
<td>1903</td>
<td>Mar 26-Jun 18</td>
<td>Flooding, upper MS, lower MO valleys</td>
<td>IA, KS, MO</td>
<td>100-149</td>
</tr>
<tr>
<td>1903</td>
<td>June 6</td>
<td>Flash &amp; River Flooding</td>
<td>Pacolet River, especially ~ Pacolet, SC</td>
<td>65</td>
</tr>
<tr>
<td>1903</td>
<td>June 9</td>
<td>Downpour, Chase Creek/San Francisco Riv. flash flood</td>
<td>Clifton, AZ</td>
<td>~7-13</td>
</tr>
<tr>
<td>1903</td>
<td>June 14</td>
<td>Downpour, Flash Flood</td>
<td>Willow Creek, Heppner (and area), OR</td>
<td>~247</td>
</tr>
<tr>
<td>1903</td>
<td>July 2</td>
<td>Cloudburst/Flooding</td>
<td>Beeville, Mineral City, Normania, Pettus, TX'</td>
<td>~11-14</td>
</tr>
<tr>
<td>1903</td>
<td>July 5</td>
<td>Cloudburst, Dam Failure</td>
<td>Flood, Oakford Park (~Pittsburgh), PA</td>
<td>20-23</td>
</tr>
<tr>
<td>1906</td>
<td>Mar 26</td>
<td>Flooding, Bridge Fails Under Train</td>
<td>near Natrona, WY</td>
<td>10</td>
</tr>
<tr>
<td>1907</td>
<td>March 13-18</td>
<td>Flooding, numerous rivers</td>
<td>Southern OH, Western PA, WV</td>
<td>~76</td>
</tr>
<tr>
<td>1907</td>
<td>June 7-8</td>
<td>Storm, Flash Flood</td>
<td>Gradyville, KY</td>
<td>21</td>
</tr>
<tr>
<td>1908</td>
<td>Aug 24-28</td>
<td>Flooding, Fire, Bridge, Dam, Levee Failures</td>
<td>NC, SC, GA, VA</td>
<td>46-80</td>
</tr>
<tr>
<td>1908</td>
<td>Aug 27-28</td>
<td>Cloudburst, Flash Flood</td>
<td>Folsom, NM</td>
<td>17</td>
</tr>
<tr>
<td>1909</td>
<td>May 29</td>
<td>Flash Floods</td>
<td>Creek and Lincoln Counties, OK</td>
<td>10</td>
</tr>
<tr>
<td>1909</td>
<td>July 07-9</td>
<td>Flooding</td>
<td>Missouri Valley, NW MO, KS, SE Neb., western IA</td>
<td>11</td>
</tr>
<tr>
<td>1910</td>
<td>Mar 03</td>
<td>Flooding</td>
<td>Colfax, WA</td>
<td>12</td>
</tr>
<tr>
<td>1911</td>
<td>Sep 30</td>
<td>Bayliss Dam Failure, Freeman Run Valley</td>
<td>Austin, PA</td>
<td>78-149</td>
</tr>
<tr>
<td>1912</td>
<td>Mar-Apr</td>
<td>Flooding</td>
<td>Miss. River, IL, TN, MS, KY, AR, MO, LA</td>
<td>245</td>
</tr>
<tr>
<td>1912</td>
<td>Apr 30-May 8</td>
<td>Levee-breaks/flooding, esp. Pointe Coupee Parish</td>
<td>LA</td>
<td>12-20</td>
</tr>
<tr>
<td>1912</td>
<td>July 24</td>
<td>Cloudbursts, Flooding</td>
<td>PA, and WV</td>
<td>60</td>
</tr>
<tr>
<td>1912</td>
<td>Sep 02</td>
<td>Storms, Flooding</td>
<td>PA, OH, WV</td>
<td>36</td>
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<tr>
<td>1913</td>
<td>March 23-27</td>
<td>Ohio Valley Flooding</td>
<td>dam/levee failures, esp. OH &amp; IN</td>
<td>593-670</td>
</tr>
<tr>
<td>1913</td>
<td>Dec 2-10</td>
<td>Texas Floods, Brazos, Other Valleys</td>
<td>Central, Eastern TX</td>
<td>177-190</td>
</tr>
<tr>
<td>1914</td>
<td>Sep 15</td>
<td>Flooding, Bridge Washout &amp; Train Derailment</td>
<td>Lebanon, MO</td>
<td>28</td>
</tr>
</tbody>
</table>

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1299 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.

1300 Cross-listed in Structural Failure – Dams, Dikes and Levees.

1301 Cross-listed in Rail and in Structural Failures – Bridges/Trestles.

1302 Cross-listed in Structural Failures -- Dam and Levees

1303 Cross-listed in Structural Failures -- Dam and Levees

1304 Cross-listed in Structural Failures -- Dam and Levees

1305 Cross-listed in Rail.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1915</td>
<td>Apr 23</td>
<td>Flash Flood, Austin, TX</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>1915</td>
<td>Aug 3</td>
<td>Cloudburst, Flash Flood, Drownings, Mill Creek, Erie, PA</td>
<td></td>
<td>29-45</td>
</tr>
<tr>
<td>1915</td>
<td>Aug 20</td>
<td>Flooding, St. Louis and vicinity, MO</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>1915</td>
<td>Oct 16</td>
<td>Flash Flooding, Bridge Fails, Train Derails, Randolph, KS</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>1916</td>
<td>Jan 14-30</td>
<td>Heavy Rain, So. CA Flooding, Lower Otay Dam Failure</td>
<td></td>
<td>22-60</td>
</tr>
<tr>
<td>1916</td>
<td>Jan 18</td>
<td>Heavy Rain, Flooding, Iao Valley, especially Wailuki, Maui, HI</td>
<td></td>
<td>13-14</td>
</tr>
<tr>
<td>1916</td>
<td>Aug 9</td>
<td>Flash Floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV</td>
<td></td>
<td>60-100</td>
</tr>
<tr>
<td>1916</td>
<td>Dec 11</td>
<td>Heavy Rain, Flooding, GA, AL, MS</td>
<td></td>
<td>15</td>
</tr>
<tr>
<td>1921</td>
<td>June 2</td>
<td>Arkansas River Levee Failures, Pueblo County, CO</td>
<td></td>
<td>120</td>
</tr>
<tr>
<td>1921</td>
<td>Sep 7</td>
<td>South TX Hurricane Leads to Flash Flood, San Antonio, TX</td>
<td></td>
<td>51</td>
</tr>
<tr>
<td>1921</td>
<td>Sep 8-10</td>
<td>Flooding, esp. San Antonio &amp; Milam, Williamson Counties TX</td>
<td></td>
<td>&gt;224</td>
</tr>
<tr>
<td>1923</td>
<td>Sep 27</td>
<td>Flooding, Bridge Washout/Train Derails, near Lockett, WV</td>
<td></td>
<td>31</td>
</tr>
<tr>
<td>1925</td>
<td>June 16</td>
<td>Train Derails, Rockport Crossing, near Hackettstown, NJ</td>
<td></td>
<td>50</td>
</tr>
<tr>
<td>1927</td>
<td>Late March-July</td>
<td>flooding, levee breaks upper and esp. lower MS River</td>
<td></td>
<td>246-500</td>
</tr>
<tr>
<td>1927</td>
<td>May</td>
<td>Kentucky River Flood</td>
<td></td>
<td>89</td>
</tr>
<tr>
<td>1927</td>
<td>Nov 2-4</td>
<td>New England Flooding, MA, NH, CT, ME, and especially VT</td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>1928</td>
<td>Mar 12-13</td>
<td>St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA</td>
<td></td>
<td>370-431</td>
</tr>
<tr>
<td>1929</td>
<td>July 18</td>
<td>Flash Flood, Bridge Down, Train Wreck, Stratton, CO</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>1930</td>
<td>Nov 18</td>
<td>Heavy Rain, Flooding, Kalihi in Honolulu, Hawaii</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>1932</td>
<td>Sep 30</td>
<td>Flash Flood, Tehachapi Creek Basin, Woodford, Kern County, CA</td>
<td></td>
<td>&gt;15</td>
</tr>
<tr>
<td>1933</td>
<td>May 12-15</td>
<td>Floods, esp. OH, Wabash, MS Rive., IA/IL/IN/KY/PA</td>
<td></td>
<td>&gt;15-18</td>
</tr>
<tr>
<td>1933</td>
<td>Dec 20-25</td>
<td>Storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)</td>
<td></td>
<td>&gt;7</td>
</tr>
<tr>
<td>1933</td>
<td>Dec 30-31</td>
<td>Southern California Flooding</td>
<td></td>
<td>45</td>
</tr>
<tr>
<td>1935</td>
<td>May 30-June 1</td>
<td>Floods, esp. Republican/Kansas Rivers, esp. NE, CO, KS</td>
<td></td>
<td>159-168</td>
</tr>
<tr>
<td>1935</td>
<td>July 7-11</td>
<td>Mohawk &amp; Upper Susquehanna River Flooding, NY &amp; PA</td>
<td></td>
<td>52</td>
</tr>
<tr>
<td>1936</td>
<td>Mar 11-21</td>
<td>Flooding, New England</td>
<td></td>
<td>200</td>
</tr>
<tr>
<td>1936</td>
<td>Mar 17-20</td>
<td>“St Patrick’s Day Floods”, esp. Pittsburgh &amp; Johnstown PA</td>
<td></td>
<td>~100</td>
</tr>
<tr>
<td>1937</td>
<td>Jan 11-Feb 15</td>
<td>Flooding, OH/MS river valleys, esp. AR/KY/MO/TN</td>
<td></td>
<td>~408-467</td>
</tr>
</tbody>
</table>

1306 Cross-listed in Rail.
1307 Cross-listed in Structural Failures, Dams and Levees.
1308 Cross-listed in Structural Failures -- Dams, Dikes and Levees.
1309 Cross-listed in Structural Failures -- Dam and Levees
1310 Cross-listed in Rail.
1311 Cross-listed in Rail.
1312 Cross-listed in Structural Failures -- Dam and Levees.
1313 Cross-listed in Structural Failures (Bridge), and in Rail
1314 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 drowning deaths.
1315 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.

111. 1938 -- Feb 27-March 4, Flooding, Southern CA -- 210

112. 1938 -- Jun 19, Flash Flood, Bridge Fails, Train Crash, Custer Creek, MT

113. 1939 -- July, Flooding, Licking and Kentucky Rivers -- 78

114. 1939 -- Sep 25, El Cordonazo Tropical Storm, Southern CA, Flooding subset

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–Jun, Floods, Midwest Riv. Basin, AR/IA/IL/IN/MI/MI/MS/OK/PA --57-77

119. 1943 -- Aug 4/5, Flash Flood, Little Kanawha River Basin, central WV -- 23

120. 1945 -- Mar 08, Flooding, especially Ohio River, especially IN, KY, OH, PA, WV -- 10

121. 1947 -- Jun 23, Flash Flooding, Cambridge to Orleans, NE -- 13

122. 1948 -- May 22-June 11, Flooding/dike failures, Pacific NW, esp. Vanport, OR

123. 1950 -- May 8-9, Downbursts and Flash Floods and Flooding, Southeast Nebraska -- 23

124. 1950 -- June 24-25, Flash Flooding, 6 Counties, Central WV -- 31

125. 1951 -- July 12, Storms, Flooding, KS, MO, esp. Manhattan, Topeka, Lawrence, KS -- 41

126. 1952 -- Apr, Flooding, Red River of North and upper Mississippi River -- 11

127. 1953 -- June 8, Floyd River Flood, Sioux City, IA -- 14

128. 1955 -- Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA -- 76

129. 1957 -- Jan, Late and Early Feb, Flooding, TN, KY, WA, WV, AL -- 14

130. 1957 -- Apr-Jun, Flooding, TX, AR, KS, LA, MO, OK River Basins -- 18

131. 1959 -- Jan 21-24, Heavy Rain, Flooding Statewide, OH -- 16

132. 1964 -- March 4-April 1, Flooding, Ohio River & tributaries, OH and esp. KY --15-18

133. 1964 -- June 8-9, Heavy rain, flooding, dam failures, esp. Blackfeet Reservation, MT-- 58

134. 1964 -- Dec, Southern California Flooding -- 40

135. 1964 -- Dec 21-28, Floods, Pacific NW, esp. no. CA and OR; also so. WA/ID/NV --45-47

136. 1965 -- Apr 16-27, Flooding, Levee Failures, IA, IL, MN, MO, WI -- 15

137. 1965 -- June 11, Flash-Flood, Sanderson, TX -- 24

138. 1965 -- June 14-22, Intense Rainfall, South Platte and Ark. River basins, CO -- 24

139. 1969 -- Jan 18-26, Storms, Flooding, Vehicle deaths, Mudslides, Southern CA -- 97-103

140. 1969 -- Jan 20, Bulldozer rescue drownings, Sespe Creek, Los Padres Nat. For., CA

141. 1969 -- July 04, Thunderstorms, Flooding, Strong Winds, Tornadoes, Erie Coast, OH -- 41

142. 1969 -- Aug 19, Flash Flood, Nelson County, VA -- 159

Cross-listed in Structural Failures
Cross-listed in Flash Floods and Structural Failures (Bridge/Trestles).
Cross-listed in Hurricanes and Tropical Storms.

There was well over a month of flooding. Our dates encompass flooding deaths (including 11 from Canada). 57 is a solid figure; higher than 57 deaths figure is questionable in that it includes 39 deaths from WA (Weather Bureau report for Washington State for May-June notes 39 state deaths), and we have been able to specifically identify but six. Cross-listed in Structural Failures -- Dams, Dikes, and Levees.

Cross-listed in Structural Failures, Dams and Levees.
Subset of Jan 18-26, 1969 south California storms, flooding, and mudslides, noted above, with 97-103 fatalities.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Fatalities/Injuries</th>
</tr>
</thead>
<tbody>
<tr>
<td>1970</td>
<td>Jan-Feb</td>
<td>Excessive Rain and Snow, Sacramento River, CA</td>
<td>18</td>
</tr>
<tr>
<td>1970</td>
<td>Sep 4-6</td>
<td>Thunderstorms, Four Corners Flooding, AZ, CO, NM, UT</td>
<td>23</td>
</tr>
<tr>
<td>1970</td>
<td>Oct 5-10</td>
<td>Tropical storm/flooding (18 confirmed, 34 missing), Puerto Rico</td>
<td>18-52</td>
</tr>
<tr>
<td>1971</td>
<td>Aug 01</td>
<td>Thunderstorm, Flooding, Baltimore, MD</td>
<td>14</td>
</tr>
<tr>
<td>1972</td>
<td>Feb 26</td>
<td>Dam Failure, Buffalo Creek, WV</td>
<td>126</td>
</tr>
<tr>
<td>1972</td>
<td>May 11-12</td>
<td>downpour, flash flooding, New Braunfels and vicinity, TX</td>
<td>18</td>
</tr>
<tr>
<td>1972</td>
<td>June 9</td>
<td>Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD</td>
<td>236-238</td>
</tr>
<tr>
<td>1972</td>
<td>June 19-22</td>
<td>Flash Flooding from Hurricane Agnes, VA</td>
<td>13</td>
</tr>
<tr>
<td>1973</td>
<td>Mid-March to April</td>
<td>Mississippi River Flood of 1973</td>
<td>33</td>
</tr>
<tr>
<td>1976</td>
<td>June 5</td>
<td>Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho</td>
<td>11-12</td>
</tr>
<tr>
<td>1976</td>
<td>July 31</td>
<td>Big Thompson Canyon Flash Flood, CO</td>
<td>144</td>
</tr>
<tr>
<td>1977</td>
<td>Apr (early)</td>
<td>Flooding from rain, Western Slopes Appalachian Mountains</td>
<td>22</td>
</tr>
<tr>
<td>1977</td>
<td>July 20</td>
<td>Dam Failures, Flash Floods, Johnstown &amp; Tanneryville, PA</td>
<td>84</td>
</tr>
<tr>
<td>1977</td>
<td>Sep 13</td>
<td>“The Plaza Flood” Flash Flood, Kansas City, MO</td>
<td>25</td>
</tr>
<tr>
<td>1977</td>
<td>Nov 6/7</td>
<td>Heavy Rain, Flooding, esp. west Appalachian Mts., NC, TN</td>
<td>13</td>
</tr>
<tr>
<td>1977</td>
<td>Nov 06</td>
<td>Dam Failure and Flash Flood, Kelly Barnes Dam, Toccoa, GA</td>
<td>39</td>
</tr>
<tr>
<td>1978</td>
<td>Apr</td>
<td>Flooding, Pearl River, LA and MS</td>
<td>15</td>
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<tr>
<td>1978</td>
<td>July 30-Aug 4</td>
<td>Tropical Storm Amelia &amp; remnants, Flash Flooding, TX</td>
<td>33-34</td>
</tr>
<tr>
<td>1980</td>
<td>Feb 13-21</td>
<td>Storms, flooding, mudslides, Cent. AZ, So.-coastal/Baja, CA, UT</td>
<td>37</td>
</tr>
<tr>
<td>1981</td>
<td>May 24</td>
<td>Intense Rain, Flash Flood, Austin, TX</td>
<td>13</td>
</tr>
<tr>
<td>1982</td>
<td>June 4-7</td>
<td>Heavy Rain/Flooding, New England, esp. CT/11-12 &amp; RI/3-5</td>
<td>14-17</td>
</tr>
<tr>
<td>1983</td>
<td>Sep 29 to Oct 3</td>
<td>Storms, prolonged heavy rain and flooding, AZ</td>
<td>15</td>
</tr>
<tr>
<td>1984</td>
<td>May 6-10</td>
<td>Severe storms, flash flooding esp. KY/7, SC/1, TN/3, WV/1</td>
<td>12</td>
</tr>
<tr>
<td>1984</td>
<td>May 26-27</td>
<td>Flooding, Tulsa, OK</td>
<td>14</td>
</tr>
<tr>
<td>1984</td>
<td>Sep 10</td>
<td>Flash Flood, family truck swept away ~15 miles W of Las Vegas, NV</td>
<td>5</td>
</tr>
<tr>
<td>1985</td>
<td>Apr 27-28</td>
<td>Thunderstorms, Flash Flooding, Drownings (9), Tornadoes, TX</td>
<td>10</td>
</tr>
<tr>
<td>1985</td>
<td>Aug 01</td>
<td>Supercell Thunderstorm and Flash Flooding, Cheyenne, WY</td>
<td>12</td>
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<tr>
<td>1985</td>
<td>Nov 4-5</td>
<td>Flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)</td>
<td>71-74</td>
</tr>
<tr>
<td>1986</td>
<td>Feb 11-24</td>
<td>Heavy Rain, Flooding, Levee Failures, Northern CA, NV</td>
<td>14</td>
</tr>
<tr>
<td>1987</td>
<td>Apr 5</td>
<td>Flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter NY</td>
<td>10</td>
</tr>
</tbody>
</table>

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1322 Cross-listed in Structural Failures -- Dam and Levees.
1323 Cross-listed in Structural Failures -- Dam and Levees.
1324 A subset of 129 total U.S. fatalities attributed to Hurricane Agnes.
1325 Cross-listed in Structural Failures -- Dams, Dikes and Levees.
1326 Cross-listed in Structural Failures -- Dams Dikes and Levees.
1327 Cross-listed in Structural Failures -- Dams, Dikes and Levees.
1328 Cross-listed in Hurricanes/Tropical Storms.
1329 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.
1330 Cross-listed in Hurricanes.
1331 Cross-listed in Structural Failures -- Dams Dikes and Levees.
1332 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.
FLOODING – Chronological (continued)

172. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX

173. 1990 -- June 14, Flash Flood, Shadyside and vicinity, OH
174. 1993 -- Jan 5-Feb 28, Winter storms, heavy rain and flooding, Southern CA
175. 1993 -- May-early Nov, July (especially), Midwest Flooding, esp. MS & MO Rivers
176. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, AL, esp. GA
177. 1994 -- Oct 16-20 and 22, Flash Flooding/Flooding, esp. Southeast TX
178. 1995 -- May 5, Th-Storm, Flash flooding, roof collapse, lightning, Dallas area, TX
179. 1996 -- Jan 19-20, East Coast Flooding, especially PA (19) and NY (10)
180. 1996 -- Feb 5-9, Heavy rain, flooding, mudslides, Pacific Northwest, esp. western OR
181. 1996 -- Dec 26-Jan 3 '97, Storms, snow, heavy rain, snowmelt, flooding, CA/5, OR/1
182. 1997 -- March 1-3, Flash Floods & Flooding, esp. Ohio River Valley, esp. KY (21)
183. 1997 -- Aug 12, Flash Flood, Antelope Canyon, near Page, AZ
184. 1998 -- Jan 5-7, Flash Flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7)
185. 1998 -- Oct 4, Flash Flooding, Kansas City area (11) and south St. Joseph, MO (1)
186. 1998 -- Oct 17-18, Flash Floods, Central TX
187. 2001 -- Jun 08, Tropical Storm Allison Flooding, TX, LA, FL, NC, VA, PA
188. 2010 -- May 1-2, Severe Storms, Flooding, KY, MS, esp. TN; Tornadoes, MS, TN
189. 2010 -- June 11, Flash Flood kills campers, Ouachita Mts., Albert Pike Rec. Area, AR
190. 2013 -- Sep 11-12 Flooding, Front Range area in and near Boulder, CO
191. 2015 -- May 21-26, Storms, Heavy Rain, Flooding and Tornadoes, TX and OK
192. 2015 -- Sep 14, Flash Flood; Hildale & Keyhole Canyon, Zion National Park, UT
193. 2015 -- Dec 26-28, Flooding (31 drownings), AR (1); IL (9); MO (15); OK (7)
194. 2016 -- June 23-24, Flash Flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV
195. 2016 -- Aug 12-16, Flooding, especially East Baton Rouge Parish, Louisiana
196. 2017 -- July 16, Flash Flood, Verde River, Tonto National Forest, Phoenix north, AZ
197. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, SE TX, esp. greater Houston

1333 Cross-listed under Road/Highway Events -- Bus.
1334 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.
1335 Cross-listed in Hurricanes/Tropical Storms and in Structural Failures--Dams.
1336 Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.
1337 A significant flood event, which was a component of winter storms which caused 19 deaths in three states.
1338 There were additionally four tornado deaths and one storm-related natural causes death. There is reporting on two additional deaths in Mississippi.
1339 Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.
1340 Cross-listed in Hurricanes and Tropical Storms. We frequently do not cross-list hurricane flooding deaths unless in-land. Given the large number of flooding deaths, however -- at least 50 out of 88 total hurricane-related deaths in TX -- we make an exception.
Flooding Subset -- FLASH FLOODS -- Deadliest American – By MORTALITY

1. 1889 -- May 31, South Fork Dam Failure, Flash Flood, Fire Johnstown, PA 1341 --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, SD 1342 --236-238
4. 1874 -- July 26, Heavy Rain, Flooding, Allegheny/Pittsburgh, PA --100-220
5. 1874 -- May 16, Mill River Reservoir Dam Failure, Williamsburg, MA 1343 --139-200
7. 1927 -- Nov 2-4, New England Flooding, MA, NH, CT, ME, and especially VT -- 200
8. 1969 -- Aug 19, Flash Flood, Nelson County, VA -- 159
9. 1976 -- July 31, Big Thompson Canyon Flash Flood, CO -- 144
10. 1882 -- Aug 23-24, Flooding, Concho Rivers, Ben Ficklin & vicinity, TX --65->100
11. 1916 -- Aug 9, Flash Floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV--60-100
12. 1903 -- June 6, Flash & River Flooding, Pacolet River, especially ~ Pacolet, SC -- 65
13. 1921 -- Sep 7, South TX Hurricane Leads to Flash Flood, San Antonio, TX -- 51
14. 1897 -- Apr 28, Flash Flood, Cottonwood River, Guthrie and vicinity, OK --28-50
15. 1925 -- June 16, Train Derails, Rockport Crossing, near Hackettstown, NJ 1344 -- 50
16. 1938 -- June 19, Flash Flood, Bridge Fails, Train Crash, Miles City, MT 1345 -- 47
17. 1938 -- June 19, Flash Flood Washes Out Train Tracks, Custer Creek, MT 1346 -- 46
18. 1915 -- Aug 03, Cloudburst, Flash Flood, Drownings, Mill Creek, Erie, PA --29-45
19. 1876 -- July 04, Storm, Flash Flood, Dam Failure, Rockdale, IA --41-42
20. 1889 -- July 02, Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA 1347 -- 41
22. 1915 -- Apr 23, Flash Flood, Austin, TX -- 35
23. 1898 -- Apr 03, Levee Fails, Flash Flood, Shawnetown, IL 1349 --25-33
24. 1978 -- Aug 02, Flooding, Flash-Floods, Southeast TX -- 33
25. 2015 -- Dec 26-28, 1350 Flooding (31 drownings), AR (1); IL (9); MO (15); OK (7) -- 32
26. 1950 -- June 24-25, Flash Flooding, 6 Counties, Central WV -- 31
27. 1896 -- July 24, Flash Floods, Mt Vernon, Bear and Clear Creek Canyons, CO --29-30
28. 1998 -- Oct 17-18, Flash Floods, Central TX -- 29
29. 1886 -- May 12, Flash Flood, Shawnee Creek, especially Barr’s Bottom, Xenia, OH -- 28
30. 1990 -- June 14, Flash Flood, Shadyside and vicinity, OH -- 26
31. 1977 -- Sep 13, “The Plaza Flood” Flash Flood, Kansas City, MO -- 25
32. 1965 -- June 11, Flash-Flood, Sanderson, TX -- 24
33. 1995 -- May 5, Th-Storm, Flash flooding, roof collapse, lightning, Dallas area, TX 1351 --20-24

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1341 Cross-listed in Structural Failures – Dams and Levees
1342 Cross-listed in Structural Failures -- Dams and Levees
1343 Cross-listed in Structural Failures -- Dams and Levees
1344 Cross-listed in Rail
1345 Cross-listed in Rail and in Structural Failures (Bridge/Trestles).
1346 Cross-listed in Rail
1347 Cross-listed in Rail.
1348 Cross-listed in Structural Failures – Dams, Dikes and Levees.
1349 Cross-listed in Structural Failures – Dams, Dikes and Levees.
1350 Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.
1351 Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.
34. 1889 -- July 18, Flooding, Morristown, Rockport and Parkersburg vicinities, WV --19-23
35. 1903 -- Jul 05, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA1352 --20-23
36. 1943 -- Aug 4/5, Flash Flood, Little Kanawha River Basin, central WV -- 23
37. 1950 -- May 8-9, Downbursts and Flash Floods and Flooding, Southeast Nebraska -- 23
38. 2016 -- June 23-24, Flash Flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV -- 23
40. 1907 -- Jun 7-8, Storm, Flash Flood, Gradyville, KY -- 21
41. 1935 -- May 30, Downbursts and Flash Floods, CO -- 21
42. 2015 -- Sep 14, Flash Flood; Hildale & Keyhole Canyon, Zion National Park, UT -- 21
43. 1906 -- Dec 3, rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ --18-20
44. 2010 -- June 23-24, Flash Flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV -- 21
45. 1843 -- Aug 05, Cloudburst, Flash Flood, West, Southwest of Philadelphia, PA -- 19
46. 1898 -- July 8, Cloudburst, Flash Flood, Steelville and vicinity, MO -- 19
47. 1972 -- May 11-12, downpour, flash flooding, New Braunfels and vicinity, TX -- 18
48. 1908 -- Aug 27-28, Cloudburst, Flash Flood, Folsom, NM -- 17
49. 1995 -- May 05, Hail Storm and Flash Flood Hits Dallas, TX -- 17
50. 1817 -- Aug 8-9, Downpour, flooding, Jones Falls area, Baltimore, MD/6, York, PA/10-- 16
51. 1942 -- July 17-18, Rainstorms and Flooding, North-Central PA & Southern NY -- 16
52. 2016 -- May 26-June 2, Flash Flooding/Flooding, esp. Fort Hood (June 2), TX -- 16
53. 1932 -- Sep 30, Flash Flood, Tehachapi Creek Basin, Woodford, Kern County, CA -- >15
54. 1998 -- Jan 5-7, Flash Flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7) -- 15
55. 1903 -- Jul 2, Cloudburst/Flooding, Beeville, Mineral City, Normania, Pettus, TX --11-14
56. 1869 -- Jan 31, Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT1353 --11-13
57. 1888 -- Aug, Cloudburst, Flash Flood, near Hot Springs, AR -- 13
58. 1901 -- Sep 25, Cloudburst, Flash Flood, Prospectors Drown, Presidio County, TX -- 13
59. 1903 -- June 9, downpour, Chase Creek/San Francisco Riv. flash flood, Clifton, AZ1354--7-13
60. 1947 -- Jun 23, Flash Flooding, Cambridge to Orleans, NE -- 13
61. 1972 -- June 19-22, Flash Flooding from Hurricane Agnes, VA1355 -- 13
62. 1977 -- Nov 6/7, Heavy Rain, Flooding, esp. west Appalachian Mts., NC, TN -- 13
63. 1981 -- May 24, Intense Rain, Flash Flood, Austin, TX -- 13
64. 1888 -- Aug 22, Remnant of Gulf Coast Hurricane, Flash Flooding, MD -- 12
65. 1892 -- July 25, Cloudburst, Flash Flooding, Wheeling and vicinity, WV --10-12
66. 1899 -- Apr 08, Flash Flooding, Yellowstone River, esp. below Glendive, MT -- 12
67. 1902 -- May 05, Cloudburst, Flash Flood, Foss, OK -- 9-12
68. 1985 -- Aug 01, Supercell Thunderstorm and Flash Flooding, Cheyenne, WY -- 12
69. 1998 -- Oct 4, Flash Flooding, Kansas City area (11) and south St. Joseph, MO (1) -- 12
70. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI1356 -- 11

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1352 Cross-listed in Structural Failure – Dams, Dikes and Levees.
1353 Cross-listed in Structural Failures – Dams, Dikes, Levees.
1354 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.
1355 A subset of 129 total U.S. fatalities attributed to Hurricane Agnes.
1356 Cross-listed in Bridge Failures and in Rail
71. 1879 -- June 12, Cloudburst, Flash Flood, Beaver Creek, Deadwood, SD -- 11
72. 1884 -- May 30, Cloudburst, Flash flood, cattle camp, Frenchman’s Creek, CO -- 11
73. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS1357 -- 11
74. 1997 -- Aug 12, Flash Flood, Antelope Canyon, near Page, AZ -- 11
75. 2008 -- June 4-12, Heavy Rain leading to Flash Flooding and Flooding, Midwest -- 11
76. 1909 -- May 29, Flash Floods, Creek and Lincoln Counties, OK -- 10
77. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO1358 -- 10
78. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX1359 -- 10
79. 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

1357 Cross-listed in Rail
1358 Cross-listed under Structural Failures (Bridge), and under Rail
1359 Cross-listed under Road/Highway Events -- Bus.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1817</td>
<td>Aug</td>
<td>Downpour, flooding, Jones Falls area, Baltimore, MD/6, York, PA/10</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>1843</td>
<td>Aug</td>
<td>Cloudburst, Flash Flood, West, Southwest of Philadelphia, PA</td>
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<td>19</td>
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<tr>
<td>1869</td>
<td>Jan</td>
<td>Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT</td>
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<td>11-13</td>
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<tr>
<td>1873</td>
<td>Apr</td>
<td>Train Derailment, Washed-out Bridge, Richmond Switch, RI</td>
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<tr>
<td>1874</td>
<td>May</td>
<td>Mill River Reservoir Dam Failure, Williamsburg, MA</td>
<td></td>
<td>139-200</td>
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<tr>
<td>1874</td>
<td>July</td>
<td>Heavy Rain, Flooding, Allegheny/Pittsburgh, PA</td>
<td></td>
<td>100-220</td>
</tr>
<tr>
<td>1876</td>
<td>July</td>
<td>Storm, Flash Flood, Dam Failure, Rockdale, IA</td>
<td></td>
<td>41-42</td>
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<tr>
<td>1879</td>
<td>June</td>
<td>Cloudburst, Flash Flood, Beaver Creek, Deadwood, SD</td>
<td></td>
<td>11</td>
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<tr>
<td>1882</td>
<td>Aug</td>
<td>Flooding, Concho Rivers, Ben Ficklin &amp; vicinity, TX</td>
<td></td>
<td>65-100</td>
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<tr>
<td>1884</td>
<td>May</td>
<td>Cloudburst, Flash flood, cattle camp, Frenchman’s Creek, CO</td>
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<td>11</td>
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<tr>
<td>1886</td>
<td>May 12</td>
<td>Flash Flood, Shawnee Creek, especially Barr’s Bottom, Xenia, OH</td>
<td></td>
<td>28</td>
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<tr>
<td>1888</td>
<td>Aug</td>
<td>Cloudburst, Flash Flood, near Hot Springs, AR</td>
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<td>13</td>
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<tr>
<td>1888</td>
<td>Aug</td>
<td>Aug 22, Remnant of Gulf Coast Hurricane, Flash Flooding, MD</td>
<td></td>
<td>12</td>
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<tr>
<td>1889</td>
<td>May</td>
<td>South Fork Dam Failure, Flash Flood, Fire Johnstown, PA</td>
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<td>2,209</td>
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<tr>
<td>1889</td>
<td>July</td>
<td>Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA</td>
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<td>41</td>
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<tr>
<td>1892</td>
<td>July</td>
<td>Cloudburst, Flash Flooding, Wheeling and vicinity, WV</td>
<td></td>
<td>19-23</td>
</tr>
<tr>
<td>1896</td>
<td>July</td>
<td>Flash Floods, Mt Vernon, Bear and Clear Creek Canyons, CO</td>
<td></td>
<td>29-30</td>
</tr>
<tr>
<td>1897</td>
<td>April</td>
<td>Flash Flood, Cottonwood River, Guthrie and vicinity, OK</td>
<td></td>
<td>28-50</td>
</tr>
<tr>
<td>1898</td>
<td>April</td>
<td>Levee Fails, Flash Flood, Shawneetown, IL</td>
<td></td>
<td>25-33</td>
</tr>
<tr>
<td>1898</td>
<td>July</td>
<td>Cloudburst, Flash Flood, Steelville and vicinity, MO</td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>1899</td>
<td>April</td>
<td>Flash Flooding, Yellowstone River, esp. below Glendive, MT</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>1901</td>
<td>June</td>
<td>Flooding, Elkhorn River, Pocahontas Rgn., Burke, Keystone, WV</td>
<td></td>
<td>200</td>
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<tr>
<td>1901</td>
<td>Sep</td>
<td>Cloudburst, Flash Flood, Prospectors Drown, Presidio County, TX</td>
<td></td>
<td>13</td>
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<tr>
<td>1902</td>
<td>May</td>
<td>Cloudburst, Flash Flood, Foss, OK</td>
<td></td>
<td>9-12</td>
</tr>
<tr>
<td>1903</td>
<td>June</td>
<td>Flash &amp; River Flooding, Pacolet River, especially ~ Pacolet, SC</td>
<td></td>
<td>65</td>
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<tr>
<td>1903</td>
<td>June</td>
<td>downpour, Chase Creek/San Francisco Riv. flash flood, Clifton, AZ</td>
<td></td>
<td>7-13</td>
</tr>
<tr>
<td>1903</td>
<td>June</td>
<td>Downpour, Flash Flood, Willow Creek, Heppner (and area), OR</td>
<td></td>
<td>~247</td>
</tr>
<tr>
<td>1903</td>
<td>July</td>
<td>Cloudburst/Flooding, Beeville, Mineral City, Normania, Pettus, TX</td>
<td></td>
<td>11-14</td>
</tr>
<tr>
<td>1903</td>
<td>July</td>
<td>Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA</td>
<td></td>
<td>20-23</td>
</tr>
</tbody>
</table>

1360 Cross-listed in Structural Failures – Dams, Dikes, Levees.
1361 Cross-listed in Bridge Failures and in Rail
1362 Cross-listed in Structural Failures -- Dams and Levees
1363 Cross-listed in Structural Failures – Dams and Levees
1364 Cross-listed in Rail.
1365 Cross-listed in Structural Failures – Dams, Dikes and Levees.
1366 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.
1367 Cross-listed in Structural Failure – Dams, Dikes and Levees.
31. 1907 -- June 7-8, Storm, Flash Flood, Gradyville, KY -- 21
32. 1908 -- Aug 27-28, Cloudburst, Flash Flood, Folsom, NM -- 17
33. 1909 -- May 29, Flash Floods, Creek and Lincoln Counties, OK -- 10

FLASH FLOODS -- Flooding Subset – Deadliest American – Chronological (continued)

34. 1915 -- April 23, Flash Flood, Austin, TX -- 35
35. 1915 -- Aug 03, Cloudburst, Flash Flood, Drownings, Mill Creek, Erie, PA -- 29-45
36. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS\(^{1368}\) -- 11
38. 1916 -- Aug 9, Flash Floods, Cabin Creek, Coal River, Paint Creek, Mud River, WV -- 60-100

39. 1921 -- Sep 07, South TX Hurricane Leads to Flash Flood, San Antonio, TX -- 51
40. 1925 -- Jun 16, Train Derails, Rockport Crossing, near Hackettstown, NJ\(^{1370}\) -- 50
41. 1927 -- Nov 2-4, New England Flooding, MA, NH, CT, ME, and especially VT -- 200
42. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO\(^{1371}\) -- 10

43. 1935 -- May 30, Downbursts and Flash Floods, CO -- 21
44. 1932 -- Sep 30, Flash Flood, Tehachapi Creek Basin, Woodford, Kern County, CA -- >15
45. 1938 -- June 19, Flash Flood, Bridge Fails, Train Crash, Miles City, MT\(^{1372}\) -- 46-47

46. 1942 -- July 17-18, Rainstorms and Flooding, North-Central PA & Southern NY -- 16
47. 1943 -- Aug 4/5, Flash Flood, Little Kanawha River Basin, central WV -- 23
48. 1947 -- June 23, Flash Flooding, Cambridge to Orleans, NE -- 13

49. 1950 -- May 8-9, Downbursts and Flash Floods and Flooding, Southeast Nebraska -- 23
50. 1950 -- June 24-25, Flash Flooding, 6 Counties, Central WV -- 31

51. 1965 -- June 11, Flash-Flood, Sanderson, TX -- 24
52. 1969 -- Aug 19, Flash Flood, Nelson County, VA -- 159

53. 1972 -- May 11-12, downpour, flash flooding, New Braunfels and vicinity, TX -- 18
54. 1972 -- June 9, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD\(^{1373}\) -- 236-238
55. 1972 -- June 19-22, Flash Flooding from Hurricane Agnes, VA\(^{1374}\) -- 13
56. 1976 -- July 31, Big Thompson Canyon Flash Flood, CO -- 144
57. 1977 -- Sep 13, “The Plaza Flood” Flash Flood, Kansas City, MO -- 25
58. 1977 -- Nov 6/7, Heavy Rain, Flooding, esp. west Appalachian Mts., NC, TN -- 13
59. 1978 -- Aug 02, Flooding, Flash-Floods, Southeast TX -- 33

60. 1981 -- May 24, Intense Rain, Flash Flood, Austin, TX -- 13

\(^{1368}\) Cross-listed in Rail
\(^{1369}\) Cross-listed in Structural Failures -- Dams, Dikes and Levees.
\(^{1370}\) Cross-listed in Rail
\(^{1371}\) Cross-listed under Structural Failures (Bridge), and under Rail
\(^{1372}\) Cross-listed in Rail and in Structural Failures (Bridge/Trestles).
\(^{1373}\) Cross-listed in Structural Failures -- Dams and Levees
\(^{1374}\) A subset of 129 total U.S. fatalities attributed to Hurricane Agnes.
1985 -- Apr 27-28, Thunderstorms, Flash Flooding, Drownings (9), Tornadoes (1), TX -- 9
61. 1985 -- Aug 1, Supercell Thunderstorm and Flash Flooding, Cheyenne, WY -- 12
62. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX\textsuperscript{1375} -- 10

63. 1990 -- June 14, Flash Flood, Shadyside and vicinity, OH -- 26
64. 1994 -- Oct 16-20 and 22, Flash Flooding/Flooding, esp. Southeast TX -- 19-22
65. 1995 -- May 5, Th-Storm, Flash flooding, roof collapse, lightning, Dallas area, TX\textsuperscript{1376} -- 20-24
66. 1997 -- Aug 12, Flash Flood, Antelope Canyon, near Page, AZ -- 11
67. 1998 -- Jan 5-7, Flash Flooding AL (2) AR (1) KY (1) LA (1) NC (2) SC (1) TN (7) -- 15
68. 1998 -- Oct 4, Flash Flooding, Kansas City area (11) and south St. Joseph, MO (1) -- 12
69. 1998 -- Oct 17-18, Flash Floods, Central TX -- 29

70. 2008 -- June 4-12, Heavy Rain leading to Flash Flooding and Flooding, Midwest -- 11
71. 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
72. 2015 -- Sep 14, Flash Flood; Hildale & Keyhole Canyon, Zion National Park, UT -- 21
73. 2015 -- Dec 26-28,\textsuperscript{1377} Flooding (31 drownings), AR (1); IL (9); MO (15); OK (7) -- 32
74. 2016 -- May 26-June 2, Flash Flooding/Flooding, esp. Fort Hood (June 2), TX -- 16
75. 2016 -- June 23-24, Flash Flooding, esp. Greenbrier (15) and Kanawha (6) Counties, WV -- 23
76. 2017 -- July 16, Flash Flood, Verde River, Tonto National Forest, Phoenix north, AZ -- 10

\textsuperscript{1375} Cross-listed under Road/Highway Events -- Bus.
\textsuperscript{1376} Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.
\textsuperscript{1377} Dates relate to time-frame flood-related (and other) deaths occurred, not to the time-frame of the flood event.
1. 1854 -- Sep 27, US Mail Steamship *Arctic* hit by *Vesta* in Fog, off Cape Race, NFLD\textsuperscript{1378} --318-562
2. 1977 -- Mar 27, KLM 4805/Pan Am 1736 Collide, fog, Tenerife Airport, Canary Is. \textsuperscript{1379}--339
3. 1852 -- Aug 20, Steamer *Atlantic* hits Freighter in Fog, Burns/Sinks, Lake Erie\textsuperscript{1380} -- 250
4. 1901 -- Feb 22, *City of Rio de Janeiro* Grounds/Sinks, Fog, Fort Point, SF Bay CA\textsuperscript{1381}127~140
5. 1918 -- July 05, Steamboat *Columbia* hits Bank, Fog, Sinks, IL Riv., Pekin, IL\textsuperscript{1382} --87-89
6. 1973 -- July 31, Delta Air #723 Crashes, Seawall in Fog, Logan, Boston, MA\textsuperscript{1383} -- 89
7. 1907 -- July 21, Collision, Steamer *Columbia* & *San Pedro*, off Shelter Cove, CA\textsuperscript{1384} --80-86
8. 1974 -- Sep 11, Eastern Air Flight 212 Crashes in Fog, Charlotte, NC\textsuperscript{1385} --72
9. 1918 -- May 1, Steamship *City of Athens* Sinks in Collision off Delaware Coast\textsuperscript{1386} -- 67
10. 1956 -- July 25, *Andrea Doria* and *Stockholm* Collide, Fog off Nantucket Isl., MA\textsuperscript{1387} -- 51
11. 1880 -- Jun 11, Steamer *Narragansett* Hit/Burns/Sinks, Fog, off Saybrook CT\textsuperscript{1388} --27-50
12. 1951 -- Aug 24, United 615, Crashes/Fog, Decoto, SW of Oakland IAP, CA\textsuperscript{1389} -- 50
13. 1865 -- Dec 26-27, Fog, Steamer *Constitution* Grounds, Cape Lookout shoals, NC\textsuperscript{1390} --30-48
14. 1944 -- Dec 31, Fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT\textsuperscript{1391}--48
15. 1930 -- June 10, Fog/Collision/Fire, *Fairfax* /Oil Tanker *Pinthis*, off Scituate, MA\textsuperscript{1392} --45-47
16. 1993 -- Sep 22, Fog, Barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL\textsuperscript{1393}--47
17. 1914 -- Jan 30, Steamers *Monroe* & *Nantucket* Collide, fog off Hog Island, VA\textsuperscript{1394} -- 41
18. 1951 -- Apr 20, *Esso Greensboro*/*Esso Suez* Collide in Fog, Gulf of Mexico\textsuperscript{1395} -- 39
19. 1949 -- July 12, Standard Air 897 Hits Mt., Fog, Approach to Burbank CA AP\textsuperscript{1396} -- 35
20. 1968 -- Aug 10, Plane Crash/Fog, Piedmont Air Flight 230 Charleston, WV\textsuperscript{1397} -- 35
21. 1888 -- Aug 22, Fog, Steamers *Oceanic* & *City of Chester* Collide, San Francisco\textsuperscript{1398} --10-34
22. 1950 -- Sep 11, Train Spirit of St. Louis Hits Troop Train, Fog, Isleta, OH\textsuperscript{1399} -- 33
23. 1968 -- Oct 25, Approach Crash/Fog, Northeast Air 946, Moose Mt., NH\textsuperscript{1400} -- 32

\textsuperscript{1378} Cross listed in Maritime. Off Newfoundland.
\textsuperscript{1379} Cross-listed in Aviation.
\textsuperscript{1380} Cross listed in Maritime.
\textsuperscript{1381} Cross listed in Maritime.
\textsuperscript{1382} Cross listed in Maritime.
\textsuperscript{1383} Cross listed in Aviation.
\textsuperscript{1384} Cross listed in Maritime.
\textsuperscript{1385} Cross listed in Aviation.
\textsuperscript{1386} Cross listed in Maritime.
\textsuperscript{1387} Cross-listed in Maritime. The *Andrea Doria* was an Italian liner and the *Stockholm* was Swedish. Noted herein because the collision occurred in U.S. waters. 46 passengers died on the *Andrea Doria* and 5 sleeping crewmen died on the *Stockholm*.
\textsuperscript{1388} Cross-listed in Maritime.
\textsuperscript{1389} Cross listed in Aviation.
\textsuperscript{1390} Cross-listed in Maritime.
\textsuperscript{1391} Cross-listed in Rail.
\textsuperscript{1392} Cross-listed in Maritime.
\textsuperscript{1393} Cross-listed in Maritime and Rail.
\textsuperscript{1394} Cross-listed in Maritime.
\textsuperscript{1395} Cross listed in Maritime.
\textsuperscript{1396} Cross-listed in Aviation.
\textsuperscript{1397} Cross listed in Aviation.
\textsuperscript{1398} Cross listed in Maritime.
\textsuperscript{1399} Cross listed in Rail.
\textsuperscript{1400} Cross-listed in Aviation.
24. 1854 -- Oct 02 S.S. Yankee Blade Capsizes on Reef in Fog, near Pt. Arguello, CA\textsuperscript{1401} --15-30
25. 1880 -- Jun 11, Narragansett/Stonington Collide in Fog with off Saybrook, CT\textsuperscript{1402} -- 30

**FOG -- Contributing Factor -- Deadliest American -- By MORTALITY -- Cont.**

26. 1968 -- Dec 27, Plane Hits Hangar/Fog, North Central Air 458, O'Hare, IL\textsuperscript{1403} -- 28
27. 1971 -- June 7, Approach Crash/Fog, Allegheny Airlines New Haven, CT\textsuperscript{1404} -- 28
28. 1916 -- March 29, Three Train Collision in Fog, near Amherst, OH\textsuperscript{1405} -- 27
29. 1907 -- Jan 19, Trains Collide in Fog, Big Four Line, Fowler, IN\textsuperscript{1406} --23-29
30. 1945 -- Jan 10, Plane Crash in Fog, American Air 6001, ~Burbank-Hollywood CA\textsuperscript{1407} -- 24
31. 1958 -- Aug 15, Northeast Air 258 Approach Crash in Fog, Nantucket, MA\textsuperscript{1408} -- 25
32. 1962 -- Nov 30, Approach Crash/Fog, Eastern Air Flight 512, Jamaica, NY\textsuperscript{1409} -- 25
33. 1893 -- Nov 7, Albany/Philadelphia Collision, Fog, L. Huron ~ Pte Aux Barques MI\textsuperscript{1410} -- 24
34. 1923 -- Sep 08, Fog, 7 US Navy Ships Run Aground, Honda Point, CA\textsuperscript{1411} -- 23
35. 1950 -- Aug 25, Hosp. Ship Benevolence hit/sunk/fog, M. Luckenbach ~SF CA\textsuperscript{1412} --18-23
36. 1960 -- Oct 29, Fog, Arctic-Pacific Takeoff Crash, Toledo Express Airport, OH\textsuperscript{1413} -- 22
37. 1913 -- Sep 02, Trains Collide, Foggy Weather, North Haven, CT\textsuperscript{1414} -- 21
38. 1946 -- Sep 05, Plane crash/fire, Trans-Luxury Airlines charter, fog, near Elko, NV\textsuperscript{1415} -- 21
39. 1917 -- Feb 27, Trains Collide in Fog at Night, Mount Union, PA\textsuperscript{1416} -- 20
40. 1918 -- Oct 03, Train Runs into Passengers in Fog, East Bedford, OH\textsuperscript{1417} -- 20
41. 1927 -- Oct 29, Fog, President Wilson, Hits Gloucester Fisher Avalon, ~Cape Cod MA\textsuperscript{1418} --20
42. 1943 -- Nov 21, Tanker Altair hit by tanker Bostonian, Fog, off Cape Henlopen, DE\textsuperscript{1419} -- 20
43. 1949 -- Jan 17, USAF B-29 Crash, Argyllshire Mts. in fog, near Glasgow, Scotland\textsuperscript{1420} -- 20
44. 1903 -- Oct 19, Steamer South Portland his rock in Fog, near Cape Blanco, OR\textsuperscript{1421} -- 19
45. 1910 -- May 23, fog, Frank H. Goodyear hit by Wood, sinks, Lake Huron ~Pt. Aux Barques MI-- 17-19
46. 1944 -- July 11, Plane Crash/Fire, Westbrook Trailer Colony, S. Portland, ME\textsuperscript{1422} -- 19
47. 1908 -- May 26, Boston Sch. Fame /UK Steamer Boston Collide, fog, Cashes Bank, ME\textsuperscript{1423} -- 18

\textsuperscript{1401} Cross listed in Maritime.
\textsuperscript{1402} Cross listed in Maritime.
\textsuperscript{1403} Cross-listed in Aviation.
\textsuperscript{1404} Cross-listed in Aviation.
\textsuperscript{1405} Cross listed in Rail.
\textsuperscript{1406} Cross listed in Rail
\textsuperscript{1407} Cross-listed I Aviation.
\textsuperscript{1408} Cross listed in Aviation.
\textsuperscript{1409} Cross listed in Aviation.
\textsuperscript{1410} Cross listed in Maritime.
\textsuperscript{1411} Cross listed in Maritime.
\textsuperscript{1412} Cross-listed in Maritime.
\textsuperscript{1413} Cross listed in Aviation.
\textsuperscript{1414} Cross listed in Rail
\textsuperscript{1415} Cross-listed in Aviation.
\textsuperscript{1416} Cross listed in Rail.
\textsuperscript{1417} Cross listed in Rail
\textsuperscript{1418} Cross-listed in Maritime.
\textsuperscript{1419} Cross-listed in Maritime.
\textsuperscript{1420} Cross-listed in Aviation.
\textsuperscript{1421} Cross listed in Maritime.
\textsuperscript{1422} Cross listed in Aviation.
48. 1943 -- May 15, Plane Crash, US Army AF C-47, Ginger Cake Mountain, NC\textsuperscript{1424} -- 18
49. 1958 -- Aug 07, Collision/Fog, Tanker \textit{Gulfoil} \& \textit{S.E. Graham}, off Bull Point, RI\textsuperscript{1425} -- 18

\textbf{FOG -- Contributing Factor -- By MORTALITY -- Cont.}

50. 1903 -- Oct 17, Fog, Work Trains Collide, Washington Crossing, near Trenton, NJ\textsuperscript{1426} -- 17
51. 1807 -- July 11, Schooner \textit{Charles}, Wrecks on Reef, fog, west of Portland Light, ME\textsuperscript{1427} -- 16
52. 1913 -- Jan 3, Fog, \textit{Julia Luckenbach} Collision/Sinks, \textasciitilde Tangier Island, VA\textsuperscript{1428} -- 16
53. 1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy\textsuperscript{1429} -- 16
54. 1969 -- Mar 20, Approach Crash/Fog, Avion Charter, New Orleans IAP, LA\textsuperscript{1430} -- 16
55. 1971 -- Oct 21, Approach Crash/Fog, Chicago \& Southern Air 804, Peoria, IL\textsuperscript{1431} -- 16
56. 1978 -- Oct 06, USN C-118 Transport Crashes into hill in Fog near Santiago, Chile\textsuperscript{1432} -- 16
57. 1903 -- May 5, Fog, Gloucester, MA fishing Sch. \textit{Gloriana} grounds, White Point, NS\textsuperscript{1433} -- 15
58. 1903 -- May 5, Fog, Steamer \textit{Saginaw} sinks, liner \textit{Hamilton} collis. \textasciitilde Hog Island, VA\textsuperscript{1434} -- 15
59. 1925 -- Jun 28, Gloucester, MA schooner \textit{Rex} sinks by Liner in fog 200 M E of N.S.\textsuperscript{1435} -- 15
60. 1909 -- July 12, Fog, SS \textit{John B. Cowle} hit by \textit{Scott}/sinks, Lake Superior off Whitefish Pt., MI\textsuperscript{1436} -- 14
61. 1945 -- Oct 31, US Navy Transport Plane Crash, heavy fog, Rich Mt., \textasciitilde Mena, AR\textsuperscript{1437} -- 14
62. 1945 -- July 28, B-25 Mitchell Bomber Flies into Empire State Building in Fog, NY\textsuperscript{1438} -- 14
63. 1912 -- July 14, Two-Train Collision in Fog, Western Springs, IL\textsuperscript{1439} -- 13
64. 1977 -- Dec 11, BNAS-based USN Orion Crash, Fog, El Hierro Mt., Canary Islands\textsuperscript{1440} -- 13
65. 1862 -- Aug 09, \textit{Illinois} Hits \textit{Oriole}, Fog, Lake Superior, off Munising, MI\textsuperscript{1441} -- 12
66. 1898 -- Nov 18, PA Train runs-down workmen, fog, Hackensack Meadows, NJ\textsuperscript{1442} -- 11-12
67. 1914 -- Aug 26, \textit{Admiral Sampson} Collision, Fog, Puget Sound, Point No Pt., WA\textsuperscript{1443} -- 12
68. 1943 -- May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog, Chicago, IL\textsuperscript{1444} -- 12
69. 1943 -- July 05, USAAF B-24E Crash in fog, Green Mt., San Miguel Island, CA\textsuperscript{1445} -- 12
70. 1944 -- Apr 27, \textit{Ashcroft Rams} Steamer \textit{James H. Reed}, Lake Erie Fog\textsuperscript{1446} -- 12

\textsuperscript{1423} Cross listed in Maritime.
\textsuperscript{1424} Cross listed in Aviation.
\textsuperscript{1425} Cross listed in Maritime.
\textsuperscript{1426} Cross-listed in Rail.
\textsuperscript{1427} Cross-listed in Maritime.
\textsuperscript{1428} Cross listed in Maritime.
\textsuperscript{1429} Cross-listed in Aviation.
\textsuperscript{1430} Cross-listed in Aviation.
\textsuperscript{1431} Cross-listed in Aviation.
\textsuperscript{1432} Cross-listed in Aviation.
\textsuperscript{1433} Cross-listed in Maritime.
\textsuperscript{1434} Cross-listed in Maritime.
\textsuperscript{1435} Cross-listed in Maritime.
\textsuperscript{1436} Cross-listed in Maritime.
\textsuperscript{1437} Cross listed in Aviation.
\textsuperscript{1438} Cross listed in Aviation.
\textsuperscript{1439} Cross listed in Rail.
\textsuperscript{1440} Cross listed in Aviation.
\textsuperscript{1441} Cross listed in Maritime.
\textsuperscript{1442} Cross listed in Rail.
\textsuperscript{1443} Cross listed in Maritime.
\textsuperscript{1444} Cross listed in Aviation.
\textsuperscript{1445} Cross listed in Aviation.
\textsuperscript{1446} Cross listed in Maritime.
71. 1990 -- Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN

72. 1891 -- Aug 6, Trains Collide, Fog, West Shore Railroad, “Dutcher’s Cut” NY

73. 1925 -- Mar 22, Trains Collide in Dense Fog, Ricohoc, LA

74. 1960 -- July 19, USN destroyers Collett & Ammen collide, fog, ~Newport Beach, CA

75. 1997 -- Nov 16, Highway Collision/Fog, Van and Semi, Mendota, CA

76. 1925 -- Nov 12, Trains Collide in Fog near Monmouth Junction, NJ

77. 1930 -- Sep 01, WA Sch. Orient Collides with Admiral Nelson, ~Vancouver Isl., BC

78. 1964 -- Nov 17, USN P-3A Orion Landing Crash, Fog, USN Base, Argentia NFL

79. 1965 -- May 7, Ships Collide, Fog, Cedarville Sinks, Mackinac Straits, MI

80. 1972 -- Dec 20, Planes Collide/Fog, North Central & Delta, O’Hare, Chicago, IL


1990 -- Dec 3, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus, MI

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1446 Cross listed in Maritime.
1447 Cross listed in Road/Highway.
1448 Cross-listed in Rail
1449 Cross listed in Rail.
1450 Cross listed in Maritime.
1451 Cross-listed in Road/Highway.
1452 Cross listed in Rail.
1453 Cross listed in Maritime.
1454 Cross-listed in Aviation.
1455 Cross-listed in Maritime.
1456 Cross-listed in Maritime.
1457 Cross-listed in Road/Highway.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Additional Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>1807</td>
<td>Jul 11</td>
<td>Schooner Charles, Wrecks on Reef, fog, west of Portland Light, ME</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1852</td>
<td>Aug 20</td>
<td>Steamer Atlantic Hits Freighter in Fog, Burns/Sinks, Lake Erie</td>
<td></td>
<td>-- 250</td>
</tr>
<tr>
<td>1854</td>
<td>Sep 27</td>
<td>US Mail Steamship Arctic hit by Vesta in Fog, off Cape Race</td>
<td></td>
<td>--318-562</td>
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<tr>
<td>1854</td>
<td>Oct 02</td>
<td>S.S. Yankee Blade Capsizes on Reef in Fog, near Pt. Arguello, CA</td>
<td></td>
<td>--15-30</td>
</tr>
<tr>
<td>1862</td>
<td>Aug 09</td>
<td>Illinois Hits Oriole, Fog, Lake Superior, off Munising, MI</td>
<td></td>
<td>--</td>
</tr>
<tr>
<td>1865</td>
<td>Dec 26-27</td>
<td>Fog, Steamer Constitution Grounds, Cape Lookout shoals, NC</td>
<td></td>
<td>--30-48</td>
</tr>
<tr>
<td>1880</td>
<td>Jun 11</td>
<td>Steamer Narragansett Hit/Burns/Sinks, Fog, off Saybrook CT</td>
<td></td>
<td>--27-50</td>
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<tr>
<td>1880</td>
<td>Jun 11</td>
<td>Narragansett/Stonington Collide in Fog with off Saybrook, CT</td>
<td></td>
<td>--30</td>
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<tr>
<td>1888</td>
<td>Aug 22</td>
<td>Fog, Steamers Oceanic &amp; City of Chester Collide, San Francisco</td>
<td></td>
<td>--30-34</td>
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<tr>
<td>1891</td>
<td>Aug 6</td>
<td>Trains Collide, Fog, West Shore Railroad, “Dutcher’s Cut” NY</td>
<td></td>
<td>--11</td>
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<tr>
<td>1893</td>
<td>Nov 7</td>
<td>Albany/Philadelphia Collision, Fog, L. Huron ~ Pte Aux Barques MI</td>
<td></td>
<td>--24</td>
</tr>
<tr>
<td>1898</td>
<td>Nov 18</td>
<td>PA Train runs-down workmen, fog, Hackensack Meadows, NJ</td>
<td></td>
<td>--11-12</td>
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<tr>
<td>1901</td>
<td>Feb 22</td>
<td>City of Rio de Janeiro Grounds/Sinks, Fog, Fort Point, SF Bay CA</td>
<td></td>
<td>--27~140</td>
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<tr>
<td>1903</td>
<td>May 5</td>
<td>fog, Gloucester, MA fishing Sch. Gloriana grounds, White Point, N.S.</td>
<td></td>
<td>--15</td>
</tr>
<tr>
<td>1903</td>
<td>May 5</td>
<td>Fog, Steamer Saginaw sinks, liner Hamilton collis. ~Hog Island, VA</td>
<td></td>
<td>--15</td>
</tr>
<tr>
<td>1903</td>
<td>Oct 17</td>
<td>Fog, Work Trains Collide, Washington Crossing, near Trenton, NJ</td>
<td></td>
<td>--17</td>
</tr>
<tr>
<td>1903</td>
<td>Oct 19</td>
<td>Steamer South Portland Grounds, Fog, Cape Blanco, OR</td>
<td></td>
<td>--19</td>
</tr>
<tr>
<td>1907</td>
<td>Jan 19</td>
<td>Trains Collide in Fog, Big Four Line, Fowler, IN</td>
<td></td>
<td>--23-29</td>
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<tr>
<td>1907</td>
<td>July 21</td>
<td>Collision, Steamer Columbia &amp; San Pedro, off Shelter Cove, CA</td>
<td></td>
<td>--80-86</td>
</tr>
<tr>
<td>1908</td>
<td>May 26</td>
<td>Boston Sch. Fame / UK Steamer Boston Collide, fog, Cashes Bank</td>
<td></td>
<td>--18</td>
</tr>
<tr>
<td>1909</td>
<td>July 12</td>
<td>Fog, SS John B. Cowle hit by Scott/sinks, Lake Superior off Whitefish Pt., MI</td>
<td></td>
<td>--14</td>
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</tbody>
</table>

1458 Cross-listed in Maritime.
1459 Cross listed in Maritime.
1460 Cross listed in Maritime.
1461 Cross listed in Maritime.
1462 Cross-listed in Maritime.
1463 Cross listed in Maritime.
1464 Cross listed in Maritime.
1465 Cross listed in Maritime.
1466 Cross listed in Maritime.
1467 Cross listed in Maritime.
1468 Cross listed in Rail.
1469 Cross listed in Maritime.
1470 Cross listed in Maritime.
1471 Cross-listed in Maritime.
1472 Cross listed in Rail.
1473 Cross listed in Maritime.
1474 Cross listed in Rail.
1475 Cross listed in Maritime.
1476 Cross listed in Maritime.
1477 Cross-listed in Maritime.
23. 1912 -- July 14, Two-Train Collision in Fog, Western Springs, IL 1478 -- 13
25. 1913 -- Sep 02, Trains Collide, Foggy Weather, North Haven, CT 1480 -- 21
26. 1914 -- Jan 30, Steamers *Monroe & Nantucket* Collide, fog off Hog Island, VA 1481 -- 41
27. 1914 -- Aug 26, Fog, Steamer *Admiral Sampson* Collision, Puget Sound, WA 1482 -- 11-12
28. 1916 -- March 29, Three Train Collision in Fog, near Amherst, OH 1483 -- 27
29. 1917 -- Feb 27, Trains Collide in Fog at Night, Mount Union, PA 1484 -- 20
30. 1918 -- May 1, Steamship *City of Athens* Sinks in Collision off Delaware Coast 1485 -- 67
31. 1918 -- July 05, Steamboat *Columbia* Hits Bank, Fog, Sinks, IL River, Pekin, IL 1486 -- 87-89
32. 1918 -- Oct 03, Train Runs into Passengers in Fog, East Bedford, OH 1487 -- 20

**FOG -- Contributing Factor -- Deadliest American -- Chronological -- Cont.**

33. 1923 -- Sep 08, Fog, 7 US Navy Ships Run Aground, Honda Point, CA 1488 -- 23
34. 1925 -- Mar 22, Trains Collide in Dense Fog, Ricohoc, LA 1489 -- 11
35. 1925 -- Jun 28, Gloucester, MA schooner *Rex* sunk by Liner in fog 200M E of N.S. 1490 -- 15
36. 1925 -- Nov 12, Trains Collide in Fog near Monmouth Junction, NJ 1491 -- 10

38. 1930 -- June 10, Fog/Collision/Fire, *Fairfax /Oil Tanker Pinthis*, off Scituate, MA 1493 -- 45-47
39. 1930 -- Sep 01, WA Sch. *Orient* Collides with *Admiral Nelson*, ~Vancouver Isl., BC 1494 -- 10

40. 1943 -- May 15, Plane Crash, US Army AF C-47, Ginger Cake Mountain, NC 1495 -- 18
41. 1943 -- May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog, Chicago IL 1496 -- 12
42. 1943 -- Nov 21, Tanker *Altair* hit by tanker *Bostonian*, Fog, off Cape Henlopen, DE 1497 -- 20
43. 1944 -- Apr 27, *Ashcroft Rams* Steamer *James H. Reed*, Lake Erie Fog 1498 -- 12
44. 1944 -- July 11, Plane Crash/Fire, Westbrook Trailer Colony, S. Portland, ME 1499 -- 19

1478 Cross listed in Rail.
1479 Cross listed in Maritime.
1480 Cross listed in Rail
1481 Cross-listed in Maritime.
1482 Cross listed in Maritime.
1483 Cross listed in Rail.
1484 Cross listed in Rail.
1485 Cross listed in Maritime.
1486 Cross listed in Maritime.
1487 Cross listed in Rail
1488 Cross listed in Maritime.
1489 Cross listed in Rail.
1490 Cross-listed in Maritime.
1491 Cross listed in Rail.
1492 Cross-listed in Maritime.
1493 Cross-listed in Maritime.
1494 Cross listed in Maritime.
1495 Cross listed in Aviation.
1496 Cross-listed in Aviation.
1497 Cross-listed in Maritime.
1498 Cross listed in Maritime.
45. 1944 -- Dec 31, Fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT

46. 1945 -- Jan 10, Plane Crash in Fog, American Air 6001, ~Burbank-Hollywood CA

47. 1945 -- July 28, B-25 Mitchell Bomber Flies into Empire State Building in Fog


49. 1946 -- Sep 05, Plane crash/fire, Trans-Luxury Airlines charter, fog, near Elko, NV

50. 1949 -- Jan 17, USAF B-29 Crash, Argyllshire Mts. in fog, near Glasgow, Scotland

51. 1949 -- July 12, Standard Air 897 Hits Mt., Fog, Approach to Burbank CA AP

52. 1950 -- Aug 25, Hosp. Ship Benevolence hit/sunk/fog, M. Luckenbach ~SF CA

53. 1950 -- Sep 11, Train Spirit of St. Louis Hits Troop Train, Fog, Isleta, OH

54. 1951 -- Apr 20, Esso Greensboro/Esso Suez Collide in Fog, Gulf of Mexico

55. 1951 -- Aug 24, United 615, Crashes/Fog, Decoto, SW of Oakland IAP, CA

56. 1956 -- July 25, Andrea Doria and Stockholm collide, Fog off Nantucket Isl., MA

57. 1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy

58. 1958 -- Aug 07, Collision/Fog, Tanker Gulfoil & S.E. Graham, off Bull Point, RI


60. 1960 -- July 19, USN destroyers Collett & Ammen collide, fog, ~Newport Beach, CA

61. 1960 -- Oct 29, Fog, Arctic-Pacific Takeoff Crash, Toledo Express Airport, OH


63. 1964 -- Nov 17, USN P-3A Orion Landing Crash, Fog, USN Base, Argentia NFL

64. 1965 -- May 7, Ships Collide, Fog, Cedarville Sinks, Mackinac Straits, MI


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FOG -- Contributing Factor – Deadliest American – Chronological – Cont.

52. 1950 -- Aug 25, Hosp. Ship Benevolence hit/sunk/fog, M. Luckenbach ~SF CA

53. 1950 -- Sep 11, Train Spirit of St. Louis Hits Troop Train, Fog, Isleta, OH

54. 1951 -- Apr 20, Esso Greensboro/Esso Suez Collide in Fog, Gulf of Mexico

55. 1951 -- Aug 24, United 615, Crashes/Fog, Decoto, SW of Oakland IAP, CA

56. 1956 -- July 25, Andrea Doria and Stockholm collide, Fog off Nantucket Isl., MA

57. 1958 -- Feb 15, USAF C-47 Transport Plane Crashes in fog on Mt. Vesuvius, Italy

58. 1958 -- Aug 07, Collision/Fog, Tanker Gulfoil & S.E. Graham, off Bull Point, RI


60. 1960 -- July 19, USN destroyers Collett & Ammen collide, fog, ~Newport Beach, CA

61. 1960 -- Oct 29, Fog, Arctic-Pacific Takeoff Crash, Toledo Express Airport, OH


63. 1964 -- Nov 17, USN P-3A Orion Landing Crash, Fog, USN Base, Argentia NFL

64. 1965 -- May 7, Ships Collide, Fog, Cedarville Sinks, Mackinac Straits, MI


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1499 Cross listed in Aviation.
1500 Cross-listed in Rail.
1501 Cross-listed in Aviation.
1502 Cross listed in Aviation.
1503 Cross listed in Aviation.
1504 Cross-listed in Aviation.
1505 Cross-listed in Aviation.
1506 Cross-listed in Aviation.
1507 Cross-listed in Maritime.
1508 Cross listed in Rail.
1509 Cross listed in Maritime.
1510 Cross listed in Aviation.
1511 Cross-listed in Maritime. The Andrea Doria was an Italian liner and the Stockholm was Swedish. Noted herein because the collision occurred in U.S. waters. 46 passengers died on the Andrea Doria and 5 sleeping crewmen died on the Stockholm.
1512 Cross-listed in Aviation.
1513 Cross listed in Maritime
1514 Cross listed in Aviation.
1515 Cross listed in Maritime.
1516 Cross listed in Aviation.
1517 Cross listed in Aviation.
1518 Crosslisted in Aviation.
1519 Cross-listed in Maritime.
1520 Cross listed in Aviation.
FOG -- Contributing Factor -- Deadliest American -- Chronological -- Cont.

66. 1968 -- Oct 25, Approach Crash/Fog, Northeast Air 946, Moose Mt., NH\textsuperscript{1521} -- 32
67. 1968 -- Dec 27, Plane Hits Hangar/Fog, North Central Air 458, O’Hare, IL\textsuperscript{1522} -- 28
68. 1969 -- Mar 20, Approach Crash/Fog, Avion Charter, New Orleans IAP, LA\textsuperscript{1523} -- 16

69. 1971 -- June 7, Approach Crash/Fog, Allegheny Airlines New Haven, CT\textsuperscript{1524} -- 28
70. 1971 -- Oct 21, Approach Crash/Fog, Chicago & Southern Air 804, Peoria IL\textsuperscript{1525} -- 16
71. 1972 -- Dec 20, Planes Collide/Fog, North Central & Delta, O’Hare, Chicago, IL\textsuperscript{1526} -- 10
72. 1973 -- July 31, Delta Air # 723 Crashes, Seawall in Fog, Logan, Boston, MA\textsuperscript{1527} -- 89
73. 1974 -- Sep 11, Eastern Air Flight 212 Crashes in Fog, Charlotte, NC\textsuperscript{1528} -- 72
74. 1977 -- Dec 11, BNAS-based USN Orion Crash, Fog, El Hierro Mt., Canary Islands\textsuperscript{1529} -- 13
75. 1978 -- Oct 06, USN C-118 Transport Crashes into hill in Fog near Santiago, Chile\textsuperscript{1530} -- 16

90. 1990 -- Dec 3, fog, runway collision/fire, Northwest 1482 & 299, DTW AP, Romulus, MI-- 8
76. 1990 -- Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN\textsuperscript{1531} -- 12
77. 1993 -- Sep 22, Fog, Barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL\textsuperscript{1532}--47
78. 1997 -- Nov 16, Highway Collision/Fog, Van and Semi, Mendota, CA\textsuperscript{1533} -- 11

\textsuperscript{1521} Cross-listed in Aviation.
\textsuperscript{1522} Cross-listed in Aviation.
\textsuperscript{1523} Cross-listed in Aviation.
\textsuperscript{1524} Cross-listed in Aviation.
\textsuperscript{1525} Cross-listed in Aviation.
\textsuperscript{1526} Cross-listed in Aviation.
\textsuperscript{1527} Cross-listed in Maritime.
\textsuperscript{1528} Cross listed in Aviation.
\textsuperscript{1529} Cross-listed in Aviation.
\textsuperscript{1530} Cross-listed in Aviation.
\textsuperscript{1531} Cross listed in Highway.
\textsuperscript{1532} Cross-listed in Maritime and in Rail.
\textsuperscript{1533} Cross-listed in Highway.
1. 1977 -- Apr 04, Hailstorm, Plane Crash, Southern Airways Flight #242, Hope, GA\textsuperscript{1534} -- 72

2. 1784 -- May 08, Hail Storm, Winnsborough, SC -- 3

3. 1742 -- June 10, Hail, Amwell, NJ -- 1

4. 1863 -- Sep 11, Hail, St. Charles County, MO -- 1

5. 1895 -- July 26, Hailstorm, near Djuberg 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

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\textsuperscript{1534} 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…”

\textsuperscript{1535} 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, TX\textsuperscript{1536} --581-600
2. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA\textsuperscript{1537} --320-325
3. 1863 -- Aug 19, Steamer City of Madison ammunition Explosion, Vicksburg, MS\textsuperscript{1538} --50-163
4. 1913 -- Mar 07, Harbor/Ship (Alum Chine) Dynamite Explosion, Baltimore, MD\textsuperscript{1539} -- 55
5. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK\textsuperscript{1540} --40-44
6. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN\textsuperscript{1541} --29-34
7. 1950 -- May 25, Collision, Green Hornet Trolley & Gasoline Tank Truck, Chicago IL\textsuperscript{1542} --34
8. 1893 -- Jan 21, Express Train Collides into Oil Cars/fire/explos., Wann, ~Alton, IL\textsuperscript{1543} -- 33
9. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA\textsuperscript{1544} --20-29
10. 1926 -- Apr 11, Tanker Gulf of Venezuela Explosion, Port Arthur, TX\textsuperscript{1545} -- 26

11. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV\textsuperscript{1546} -- 24
12. 1905 -- May 11, Trains Collide, Blasting Powder Explosion, Fire, S. Harrisburg, PA\textsuperscript{1547} -- 23
13. 1959 -- Jun 28, Train Derailment, LPG-Tank Rupture, Flash-Fire, Meldrim, GA\textsuperscript{1548} -- 23
14. 1956 -- Jan 17, Tanker SS Salem Maritime Gasoline Explosion/Fire, Lake Charles, LA\textsuperscript{1549} --21
15. 1941 --Mar 24, Oil Tanker Cities Service Denver Explosion/Fire, off NC/SC coast\textsuperscript{1550} --19-20
16. 1881 -- Dec 26, Steamer West Point gasoline fumes explo., York Ri., West Point, VA\textsuperscript{1551} --19
17. 1947 -- Aug 05, Worker/Gasoline Trucks Collide and Burn, near Waxahachie, TX\textsuperscript{1552} -- 19
18. 1932 -- Feb 4, Explosion, Sun Oil Tanker Bidwell while cleaning, Marcus Hook, PA\textsuperscript{1553} -- 18
19. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Expl., Olea, NY\textsuperscript{1554} -- 17
20. 1833 -- May 19, St. Lioness Fire/Gunpowder Explos., Red River, Montgomery, LA\textsuperscript{1555} --14-16
21. 1892 -- Jun 13, Mil. Munitions Explos., USS Boston, Mare Island Navy Yard, CA\textsuperscript{1556} -- 14-16
22. 1944 -- Oct 21, Vapor Explos./Fire, USN LSMs 211/212, Berth 223, LA Harbor, CA\textsuperscript{1557} -- 16

HAZARDOUS MATERIALS Transportation Incidents – By MORTALITY

\textsuperscript{1536} Cross-listed in Explosions, in Fire, and in Maritime.
\textsuperscript{1537} Cross-listed under Explosions and in Maritime.
\textsuperscript{1538} Cross-listed in Maritime.
\textsuperscript{1539} Cross-listed in Explosions and in Maritime.
\textsuperscript{1540} Cross-listed in Explosions and in Rail.
\textsuperscript{1541} Cross-listed in Rail.
\textsuperscript{1542} Cross-listed in Rail.
\textsuperscript{1543} Cross-listed in Rail.
\textsuperscript{1544} Cross-listed in Explosions and in Rail.
\textsuperscript{1545} Cross-listed in Rail.
\textsuperscript{1546} Cross-listed in Explosions and in Rail.
\textsuperscript{1547} Cross-listed in Rail.
\textsuperscript{1548} Cross-listed in Rail.
\textsuperscript{1549} Cross-listed in Explosions and Maritime.
\textsuperscript{1550} Cross-listed in Maritime. The cause of the explosion was undetermined.
\textsuperscript{1551} Cross-listed in Maritime.
\textsuperscript{1552} Cross-listed in Road and Highway Incidents.
\textsuperscript{1553} Cross-listed in Maritime.
\textsuperscript{1554} Cross-listed in Explosions and in Rail.
\textsuperscript{1555} Cross-listed in Maritime.
\textsuperscript{1556} Cross-listed in Explosions and in Maritime.
\textsuperscript{1557} Cross-listed in Explosions and in Maritime.
23. 1975 -- Apr 29, Surtigas, S.A. LP Gas Tank Truck Wreck, 277, near Eagle Pass, TX
25. 1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR
26. 1960 -- Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA
27. 1891 -- May 19, Dynamite Explosion, Construction Train, near Tarrytown, NY
28. 1916 -- Jan 4, Gas Fumes Explosion, Oil Tanker Aztec Norge, Erie Basin dock, NY
29. 1973 -- July 5, Propane Gas Railcar Fire/Explosion (Doxel Gas Co., Kingman, AZ)
30. 1974 -- Apr 9, Explosions, Oil Tanker S.S. Elias, Delaware River, Fort Mifflin, PA
31. 1942 -- Oct 03, Gasoline Tanker, Wagon, Bus collide, explosion ~Lumberton, NC
32. 1947 -- Jun 22, Tankship Markay Petrol. Products Loading Vapor Explos., LA CA
33. 1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA
34. 1990 -- Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN
35. 1944 -- Nov 21, Car/Truck Collision, Butane Gas Tank Truck Explos., Denison, TX
36. 1945 -- Jan 02, Fire/Explosion, Sun Oil Tanker Sunoco, off Sandy Hook, NJ
37. 1957 -- Jan 29, Vapor Explosion, Tanker SS Jeanny, Shipyard, Alameda, CA
38. 1957 - Mar 6, Navy Tanker Mission San Francisco & Elna II collis./explo., Del Ri., DE
39. 1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK
40. 1988 -- Dec 23, Propane tanker hits wall explodes; parts hit house, cars, Memphis TN
41. 2005 -- Jan 6, Train Wreck and Chlorine Release, Graniteville, SC
42. 1978 -- Feb 26, Train Derailment, Fog, Chlorine Release, Youngstown, FL
43. 1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO
44. 1977 -- Sep 24, Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY
45. 1982 -- Apr 07, HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA
46. 1971 -- Apr 02, Hazardous Materials Truck/Tank Incident, Berwick, ME
47. 1971 -- Jun 04, Hazardous Materials Truck/Car Collision/Explosion, ~Waco, GA

Other:
1. 1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK
2. 1988 -- Dec 23, Propane tanker hits wall explodes; parts hit house, cars, Memphis TN
3. 2005 -- Jan 6, Train Wreck and Chlorine Release, Graniteville, SC
4. 1978 -- Feb 26, Train Derailment, Fog, Chlorine Release, Youngstown, FL
5. 1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO
6. 1977 -- Sep 24, Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY
7. 1982 -- Apr 07, HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA
8. 1971 -- Apr 02, Hazardous Materials Truck/Tank Incident, Berwick, ME

1558 Cross-listed in Road/Highway Incidents.
1559 Cross-listed in Rail and under Explosions.
1560 Cross-listed in Explosions.
1561 Cross-listed in Road and Highway incidents and in Rail.
1562 Cross-listed in Explosions and in Rail.
1563 Cross-listed in Maritime.
1564 Cross-listed in Explosions and in Rail.
1565 Cross-listed in Maritime.
1566 Cross-listed in Road and Highway incidents.
1567 Cross-listed in Explosions and in Maritime.
1568 Cross-listed in Explosions and in Road and Highway incidents.
1569 Cross-listed in Fog as a contributing factor, and in Road and Highway incidents.
1570 Cross-listed in Explosions and in Road and Highway incidents.
1571 Cross-listed in Maritime.
1572 Cross-listed in Explosions and in Maritime.
1573 Cross-listed in Maritime.
1574 Cross-listed in Explosions and in Road/Highway.
1575 Cross-listed in Explosions and in Road/Highway/Vehicular Events.
1576 Cross-listed in Rail.
1577 Cross-listed in Road/Highway. Gasoline tanker ruptured/explored burning to death 6 passengers in nearby car.
1578 Cross-listed in Road/Highway.
1579 Cross-listed in Road/Highway.
10. 1976 -- May 11, Hazardous Materials Truck Tanker Wreck, I-610, Houston, TX -- 6
11. 1986 -- Jan 4, UF6 (uranium hexafluoride) cylinder rupture, Sequoyah Fuels Corp, OK-- 1
HAZARDOUS MATERIALS Transportation Incidents – CHRONOLOGICAL

1. 1833 -- May 19, St. Lioness Fire/Gunpowder Explos., Red River, Montgomery, LA 1580-14-16
2. 1863 -- Aug 19, Steamer City of Madison ammunition Explosion, Vicksburg, MS 1581--50-163
3. 1881 -- Dec 26, Steamer West Point gasoline fumes explos., York Ri., West Point, VA 1582-19
4. 1891 -- May 19, Dynamite Explosion, Construction Train, near Tarrytown, NY 1583 -- 13
5. 1892 -- Jun 13, Mil. Munitions Explos., USS Boston, Mare Island Navy Yard, CA 1584 --14-16
6. 1893 -- Jan 21, Express Train Collides into Oil Cars/fire/explos., Wann, ~Alton, IL 1585-- 33
7. 1902 -- May 12, Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA 1586 --20-29
8. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY 1587 -- 17
9. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV 1588 -- 24
11. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN --29-34
12. 1913 -- March 7, Harbor/Ship (Alum Chine) Dynamite Explosion, Baltimore, MD 1590 -- 55
13. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK 1591 --40-44
14. 1916 -- Jan 4, Gas Fumes Explosion, Oil Tanker Aztec Norge, Erie Basin dock, NY 1592 -- 13
     1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK 1593--8-9
15. 1926 -- Apr 11, Tanker Gulf of Venezuela Explosion, Port Arthur, TX 1594 -- 26
16. 1932 -- Feb 4, Explosion, Sun Oil Tanker Bidwell while cleaning, Marcus Hook, PA 1595-- 18
17. 1941 -- Mar 24, Oil Tanker Cities Service Denver Explosion/Fire, off NC/SC coast 1596--19-20
18. 1942 -- Oct 03, Gasoline Tanker, Wagon, Bus collide, explosion ~Lumberton, NC 1597 --11-12
19. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA 1598 --320-325

1580 Cross-listed in Maritime.
1581 Cross-listed in Maritime.
1582 Cross-listed in Maritime.
1583 Cross-listed in Explosions and in Rail.
1584 Cross-listed in Explosions and in Maritime.
1585 Cross-listed in Hazardous Materials incidents.
1586 Cross-listed in Explosions and in Rail.
1587 Cross-listed in Explosions and in Rail.
1588 Cross-listed in Explosions and in Rail.
1589 Cross-listed in Explosions and in Rail.
1590 Cross-listed in Explosions and in Maritime.
1591 Cross-listed in Explosions and in Rail.
1592 Cross-listed in Maritime.
1593 Cross-listed in Explosions and in Road/Highway.
1594 Cross-listed in Maritime.
1595 Cross-listed in Maritime.
1596 Cross-listed in Maritime. The cause of the explosion was undetermined.
1597 Cross-listed in Road and Highway incidents.
1598 Cross-listed under Explosions and in Maritime.
20. 1944 -- Oct 21, Vapor Explos./Fire, USN LSMs 211/212, Berth 223, LA Harbor, CA 1599-- 16
21. 1944 -- Nov 21, Car/Truck Collision, Butane Gas Tank Truck Explos., Denison, TX 1600-- 10
22. 1945 -- Jan 02, Fire/Explosion, Sun Oil Tanker Sunoco, off Sandy Hook, NJ 1601-- 10
23. 1947 -- Apr 16-17, Ammonium Nitrate Explosion, Grandcamp, Texas City, TX 1602--581-600
25. 1947 -- Aug 05, Worker & Gasoline Trucks Collide and Burn, ~Waxahachie, TX 1604-- 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, LA 1605--21
28. 1957 -- Jan 29, Vapor Explosion, Tanker SS Jeanny, Shipyard, Alameda, CA 1606-- 10
29. 1957 - Mar 6, Navy Tanker Mission San Francisco & Elna II collis./explo., Del Ri., DE 1607--10
30. 1959 -- Jun 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA 1608--11-12
31. 1959 -- Jun 28, Train Derailment, LPG-Tank Rupture, Flash-Fire, Meldrim, GA -- 23
32. 1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion, Roseburg, OR 1609-- 14

33. 1960 -- Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA -- 14

1971 -- Apr 02, Hazardous Materials Truck/Tank Incident, Berwick, ME -- 6
34. 1973 -- Jul 05, Propane Gas Railcar Fire/Explosion (Doxel Gas Co., Kingman AZ 1610 -- 13
35. 1974 -- Apr 9, Explosions, Oil Tanker S.S. Elias, Delaware River, Fort Mifflin, PA 1611-- 13
36. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
1976 -- May 11, Hazardous Materials Truck Tanker Wreck, I-610, Houston, TX -- 6
1977 -- Sep 24, Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY -- 7
37. 1978 -- Feb 24, LPG Tank Car Explosion, Waverly, TN -- 16
1978 -- Feb 26, Train Derailment, Fog, Chlorine Release, Youngstown, FL -- 8

1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO 1612--8
1982 -- Apr 07, HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA -- 7
1986 -- Jan 4, UF6 (uranium hexafluoride) cylinder rupture, Sequoyah Fuels Corp, OK-- 1
1988 -- Dec 23, Propane tanker hits wall explodes; parts hit house, cars, Memphis TN 1613-- 9

1599 Cross-listed in Explosions and in Maritime.
1600 Cross-listed in Explosions and in Road and Highway incidents.
1601 Cross-listed in Maritime.
1602 Cross-listed in Explosions, in Fire, and in Maritime.
1603 Cross-listed in Explosions and in Maritime.
1604 Cross-listed in Road and Highway Incidents.
1605 Cross-listed in Explosions and Maritime.
1606 Cross-listed in Explosions and in Maritime.
1607 Cross-listed in Maritime.
1608 Cross-listed in Explosions and in Road and Highway incidents.
1609 Cross-listed in Explosions.
1610 Cross-listed in Explosions and in Rail.
1611 Cross-listed in Maritime.
1612 Cross-listed in Road/Highway. Gasoline tanker ruptured/exploed burning to death 6 passengers in nearby car.
1613 Cross-listed in Explosions and in Road/Highway/Vehicular Events.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990</td>
<td>Dec 11</td>
<td>Fog, Multiple-Vehicle Collisions</td>
<td>I-75 near Calhoun, TN</td>
<td>12</td>
</tr>
<tr>
<td>2005</td>
<td>Jan 6</td>
<td>Train Wreck/Chlorine Release</td>
<td>Graniteville, SC</td>
<td>9</td>
</tr>
</tbody>
</table>
HEAT – By MORTALITY

1. 1936 -- July-Aug (esp.), Heat, esp. MN/772, MO/644, IL/634, MI/617, WI/500--4,678-5,418
4. 1966 -- July, Heat Wave and “excess deaths,” esp. IL, NYC, St. Louis, MO ~2,582-2,954
5. 1931 -- June-Sep, Heat Waves/excessive heat, West, Midwest, NE, esp. IL, IA, WI 2,768
6. 1911 -- Heat waves/excessive heat deaths, esp. June 4-23, July 1-13, esp. MW, NE ~2,190
9. 1925 -- Excessive Heat, especially NY (439), PA (299), NJ (112), CA (69), MA (65) 1,587
10. 1900 -- July-Aug (esp.) Heat, esp. NY/361, NJ/119, Chicago/102, St. Louis/90, PA/90 1,266
11. 1939 -- June-Sep, Heat, esp. Sep 15-23, Los Angeles (546), TX (42), MO (37)1615--527-1,073
13. 2005 -- June-Aug esp., Heat, esp. AZ/244, NYC/140, TX/112, CA/55, MD/47, PA/26-- 847
14. 2010 -- June-Aug esp., Heat, esp. AZ/186 TX/65 CA/36 MD/32 MO/26 MS/24 PA/24 627
15. 1897 -- July 1-11, Heat, esp. upper midwest/NE, esp. Chicago/Cincinnati/St. Louis --608-616
16. 2012 -- Summer esp. Heat, esp. AZ/157, MO/52, MD/46, CA/45, TX/40, IL/33, WI/24-- 598
18. 1953 -- Heat, the year, esp. Aug 22-Sep 5, esp. MO/71, NY/43, TX/41, PA/40 576
19. 1903 -- June-Aug (esp. July 1-11), Heat, esp. NY/144, NJ/60, IN/17, Chicago/15, CT/18-- 520
21. 1925 -- May 31-Jun 7, Heat Wave, Northeast Coast, esp. NYC and State 475
22. 2002 -- June-Aug esp., Heat, esp. AZ/130 MD/50 PA/42 IL/40 TX/39 CA/36 MI/27 471
23. 2016 -- Heat (ICD-10 code X30, exposure to excessive natural heat), esp. AZ (108) 458

1614 Our range is based on a State by State tally using best available 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.

1615 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.”

1616 The figure 115 refers to reporting by LA Coroner’s Office of deaths directly attributable to the heat. The larger number is undoubtedly a compilation of the daily “above-the-norm” deaths (compared to the 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.
33. 2007 -- June-Aug esp., Heat, esp. AZ/132 CA/62 TX/43 MO/34 MD/20 TN/19 SC/16 -- 438
35. 1872 -- July 1-7, Heatwave and Sunstroke, Boston, DC, Philadelphia, NJ, NYC -- ≥428
36. 2013 -- Summer esp., Heat, esp. AZ/151 CA/47 NV/45 TX/120 NY/62 FL/18 -- 435
37. 2009 -- June-Aug esp., Heat, esp. AZ/156, CA/55, TX/47, FL/42, IL/16, MO & TN/11-- 402

HEAT -- By MORTALITY (cont.)

39. 1913 -- June 25-July 1, Heat Wave, esp. IL, IN, IA, MI, MN, MO, OH, PA, WI -- 249-394
40. 2008 -- June-Aug esp., Heat, esp. AZ/112 TX/66 CA/42 PA/27 NV/19 NC/18 MD/17 -- 393
43. 2001 -- June-Aug esp., Heat, esp. AZ/74, MO/40, Chicago/36, PA/28, WI/24 CA&TX/23--378
44. 1898 -- Sep 1-7, Heat Wave, Baltimore, Chicago, NJ, OH, RI, Philly, esp. NYC -- 365
45. 2003 -- June-Aug esp., Heat, especially AZ/153, TX/63, CA/35, FL/18, MO/17 -- 351
46. 1981 -- June-Aug (esp.), Heat, esp. CA/44, GA/32, TX/23, OR/19, AZ/17, NY/16 -- ≥345
47. 2015 -- June-Aug (esp.), Heat, especially AZ/58; TN/47; NV/44; CA/38; TX/38 -- 339
50. 2004 -- June-Aug especially, Heat, especially AZ/130, TX/53, CA/31, FL/23, NV/14 -- ≥319
51. 1993 -- June-Aug (esp.), Heat, especially July 6-16 Philadelphia Heatwave (118) -- 311
52. 1977 -- Heat (esp. summer), ICD-8 E900 excessive natural heat, esp. MO/33, CA/NC/24-- 308
53. 1990 -- June-Aug, esp., Heat, esp. CA/44 deaths AZ/30 TX/29 LA/21 AR/17 MS/14 -- 300

54. 1918 -- Aug 2-14, esp. 6-8, Heat wave, esp. Upper Midwest, Mid-Atlantic, Northeast -- 294
55. 1902 -- June-Aug (especially July ) Heat, especially NY/46, Pittsburgh/18, MA/12 -- 290
56. 1978 -- Heat (esp. summer), ICD-8 E900 excessive natural heat, esp. TX/43, AZ/31, CA/27 -- 267
57. 1996 -- June-Aug esp., Heat, especially AZ/54, CA/40, TX/39, OK/15, GA/11, IL/10 -- 249
58. 1849 -- Sum-Fall, Heat/sunstroke, esp. MA (63), NY (56), PA (26), LA/25, MO/11 -- 248
59. 2014 -- Apr-Oct esp., Heat, (≥30 young children) 19 States esp. AZ/64, CA/37, NV/28--244
60. 1904 -- June-Aug, Heat, especially NY (48), MA (25), NJ (25) and MI (12) -- 235
61. 1984 -- June-early Sep, Heat, especially CA/53, TX/23, AZ/16, PA/15, NY/14 -- 228
62. 1985 -- Summer Heat ICD-9 E900 (Excessive Heat/Hyperthermia), esp. CA/29; GA/26-- 227
63. 1994 -- June-Aug esp., Heat, esp. AZ/47 (esp. July), CA/33, PA/22 (esp. July 5-10), TX/16-- 221
64. 1989 -- June-Aug (esp.), Heat, esp. CA/32, TX/23, MO/18, AZ/15, MS/10 -- 201

67. 1997 -- June-Aug esp., Heat, especially PA/36 IL/29 AZ/23 TX/22 CA/19 LA/11 -- 182
68. 1926 -- July 18-24, Heat Wave, West, Mid-West, Mid-Atlantic, esp. Northeast ---160-180
70. 1910 -- June 15-28, Heat Wave, esp. IL, IN, KS, MD, MI, MO, NJ, NY, OH, PA, WI -- 165
71. 1927 -- July 12-17, Heat Wave, especially the East, especially NJ, NY, PA -- 126-161
72. 1992 -- July-Aug (especially), Heat; especially CA/37, TX/20, AZ, GA, MS 10 each -- 155

1617 Does not include 18 illegal immigrants who died of dehydration and heat in locked RR car, Sierra Blanca, TX.
<table>
<thead>
<tr>
<th>Year</th>
<th>Summary</th>
<th>Location(s)</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1892</td>
<td>June-July, Heat-Related Deaths, Midwest, Northeast, esp. NYC, NY</td>
<td>-- 151</td>
<td></td>
</tr>
<tr>
<td>1930</td>
<td>July-Aug, Heat Waves, especially District of Columbia, MD, PA</td>
<td>-- 150</td>
<td></td>
</tr>
<tr>
<td>1979</td>
<td>June Aug esp., Heat, ICD-9 E900 excessive heat/hyperthermia, esp. CA/AZ/TX</td>
<td>-- 148</td>
<td></td>
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<tr>
<td>1948</td>
<td>Aug/Sep Heat, Particularly NYC and Philadelphia</td>
<td>-- 147</td>
<td></td>
</tr>
<tr>
<td>1909</td>
<td>Aug 9-17, Heat, Midwest and Northeast, esp. IL, MO, NB, NY, PA</td>
<td>-- 141</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>June 29-July 23, Heat, especially St. Louis, MO and NYC, NY</td>
<td>-- 91</td>
<td></td>
</tr>
<tr>
<td>1885</td>
<td>July 15-26, Heat, Philadelphia, PA</td>
<td>-- 40</td>
<td></td>
</tr>
<tr>
<td>1878</td>
<td>Summer, Heat, Cincinnati, OH</td>
<td>-- ~10</td>
<td></td>
</tr>
</tbody>
</table>
HEAT – CHRONOLOGICAL

1. 1849 -- Sum-Fall, Heat/sunstroke, esp. MA (63), NY (56), PA (26), LA/25, MO/11 -- 248
3. 1854 -- June 29-July 23, Heatwaves and Sunstrokes, esp. St. Louis, MO; NYC, NY -- 91
5. 1872 -- July 1-7, Heatwave and Sunstroke, Boston, DC, Philadelphia, NJ, NYC --≥428
6. 1878 -- Summer, Intense Heat, Sunstroke, Cincinnati, OH -- ~10
7. 1881 -- July 10-24, Heat-wave, Sunstroke, Dayton, Pittsburgh, esp. Cincinnati, OH -- ~480
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 -- July 30-Aug 17, Heat Wave, especially, IL, MD, MO, NJ, NY, OH, PA, WI --1,370
11. 1897 -- July 1-11, Heat, esp. upper midwest/NE, esp. Chicago/Cincinnati/St. Louis --608-616
13. 1900 -- July-Aug (esp.) Heat, esp. NY/361, NJ/119, Chicago/102, St. Louis/90, PA/90 --1,266
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
20. 1911 -- Heat waves/excessive heat deaths, esp. June 4-23, July 1-13, esp. MW, NE --2,190
21. 1913 -- June 25-July 1, Heat Wave, esp. IL, IN, IA, MI, MN, MO, OH, PA, WI --249-394
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
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
31. 1936 -- July-Aug (esp.), Heat, esp. MN/772, MO/644, IL/634, MI/617, WI/500 --4,678-5,418
33. 1939 -- June-Sep, Heat, esp. Sep 15-23, Los Angeles (546), TX (42), MO (37)\textsuperscript{1618}--527-1,073

\textsuperscript{1618} Low from Census reflecting 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

35. 1948 -- Aug/Sep Heat Wave, Particularly NYC and Philadelphia -- 147

36. 1953 -- Heat, the year, esp. Aug 22-Sep 5, esp. MO/71, NY/43, TX/41, PA/40 -- 576
38. 1955 -- Aug 31–Sep 9, Heatwave/excessive deaths, greater Los Angeles, CA 1619 -- 115- 946

39. 1966 -- July, Heat Wave and “excess deaths,” esp. IL, NYC, St. Louis, MO -- 2,582-2,954

40. 1972 -- July 11-25, Heat Wave, New York City, NY -- 891
41. 1977 -- Heat (esp. summer), ICD-8 E900 excessive natural heat, esp. MO/33, CA/NC/24-- 308
42. 1978 -- Heat (esp. summer), ICD-8 E900 excessive natural heat, esp. TX/43, AZ/31, CA/27 -- 267
43. 1979 -- June Aug esp., Heat, ICD-9 E900 excessive heat/hyperthermia, esp. CA/AZ/TX--148

44. 1980 -- Jun-Sep, Heat, esp. Midwest & So. Plains, esp. MO/TN/AR/TX/MS 1620 --1,863-1,904
45. 1981 -- June-Aug (esp.), Heat, esp. CA/44, GA/32, TX/23, OR/19, AZ/17, NY/16 -- ≥345
48. 1984 -- June-early Sep, Heat, especially CA/53, TX/23, AZ/16, PA/15, NY/14 -- 228
49. 1985 -- Summer Heat, ICD-9 E900 (Excessive Heat/Hyperthermia), esp. CA/29; GA/26--227
52. 1988 -- Heat, Summer (esp.); esp. IL/341, MI/121, IN/44, MO/44, MA/40, CA/37--913-921
53. 1989 -- June-Aug (esp.), Heat, esp. CA/32, TX/23, MO/18, AZ/15, MS/10 -- 201

54. 1990 -- June-Aug, esp., Heat, esp. CA/44 deaths AZ/30 TX/29 LA/21 AR/17 MS/14 -- 300
56. 1992 -- July-Aug (especially), Heat; especially CA/37, TX/20, AZ, GA, MS 10 each -- 155
57. 1993 -- June-Aug (esp.), Heat, especially July 6-16 Philadelphia Heatwave (118) -- 311
58. 1994 -- June-Aug esp., Heat, esp. AZ/47 (esp. July), CA/33, PA/22 (esp. July 5-10), TX/16-- 221
59. 1995 -- June-Aug, esp. July 12-17, Heat, esp. IL/>700 WI/154 PA/146 MO/58 --1,563-1,601
60. 1996 -- June-Aug esp., Heat, especially AZ/54, CA/40, TX/39, OK/15, GA/11, IL/10 -- 249
61. 1997 -- June-Aug esp., Heat, especially PA/36 IL/29 AZ/23 TX/22 CA/19 LA/11 -- 182

1619 The figure 115 refers to reporting by LA Coroner’s Office of deaths directly attributable to the heat. The larger number is undoubtedly a compilation of the daily “above-the-norm” deaths (compared to the 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.
1620 Our range is based on a State by State tally using best available 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.
1621 Does not include 18 illegal immigrants who died of dehydration and heat in locked RR car, Sierra Blanca, TX.
HEAT – CHRONOLOGICAL – Continued

64. 2000 -- June-Aug, esp., Heat, esp. TX/77, AZ/66, CA/43, LA/23, MO/22, PA/17 MS/16--333
65. 2001 -- May ~24, Illegal immigrants abandoned by smugglers die of heat, AZ desert\(^{1622}\) -- 14
67. 2002 -- June-Aug esp., Heat, esp. AZ/130 MD/50 PA/42 IL/40 TX/39 CA/36 MI/27 -- 471
68. 2003 -- June-Aug esp., Heat, especially AZ/153, TX/63, CA/35, FL/18, MO/17 -- 351
69. 2004 -- June-Aug especially, Heat, especially AZ/130, TX/53, CA/31, FL/23, NV/14 -- ≥319
70. 2005 -- June-Aug esp., Heat, esp. AZ/244, NYC/~140, TX/112, CA/55, MD/47, PA/26-- 847
71. 2006 -- June-Aug esp., Heat, esp. CA/184 AZ/169 NY/148 TX/106 MD/44 IL/43 PA/32≥912
72. 2007 -- June-Aug esp., Heat, esp. AZ/132 CA/62 TX/43 MO/34 MD/20 TN/19 SC/16-- 438
73. 2008 -- June-Aug esp., Heat, esp. AZ/112 TX/66 CA/42 PA/27 NV/19 NC/18 MD/17-- 393
74. 2009 -- June-Aug esp., Heat, esp. AZ/156, CA/55, TX/47, FL/24, IL/16, MO & TN/11-- 402
75. 2010 -- June-Aug esp., Heat, esp. AZ/186 TX/65 CA/36 MD/32 MO/26 MS/24 PA/24 -- 627
76. 2011 -- June-Aug esp., Heat, esp. AZ/177 TX/126 MO/52 PA/40 IL/35 MD/34 OK/33--719-725
77. 2012 -- Summer esp. Heat, esp. AZ/157, MO/52, MD/46, CA/45, TX/40, IL/33, WI/24-- 598
78. 2013 -- Summer esp., Heat, esp. AZ/151 CA/47 NV/45 TX/35 NY/26 FL/17 MD/15 -- 418
79. 2014 -- Apr-Oct esp., Heat, (≥30 young children) 19 States esp. AZ/86, CA/37, NV/28--244
80. 2015 -- June-Aug (esp.), Heat, especially AZ/58; TN/47; NV/44; CA/38; TX/38 -- 339
81. 2016 -- Heat (ICD-10 code X30, exposure to excessive natural heat), esp. AZ (108) -- 458

\(^{1622}\) Not included in Summer Heat, especially June-August.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
<td>Sep 9</td>
<td>Hurricane, Galveston and southeast coastal area, TX</td>
<td>--7,200-12,000</td>
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<tr>
<td>1899</td>
<td>Aug 8-19</td>
<td>San Ciriaco Hurricane, especially Puerto Rico and NC</td>
<td>-- ~3,477</td>
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<tr>
<td>1928</td>
<td>Sep 6-20</td>
<td>Hurricane, Flood, Southeast FL/Great Okeechobee, FL</td>
<td>--3,000</td>
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<tr>
<td>2017</td>
<td>Sep 20</td>
<td>Hurricane Maria, Puerto Rico (2,975), US Virgin Isl. (2), NJ (3)</td>
<td>--2,980</td>
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<tr>
<td>1893</td>
<td>Aug 27-29</td>
<td>Hurricane, Sea Islands, SC-GA</td>
<td>--1,000-2,500</td>
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<tr>
<td>1893</td>
<td>Oct 1-2</td>
<td>Hurricane Cheniere Caminanda, MS, AL, esp. LA</td>
<td>--1,700-2,000</td>
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<tr>
<td>2005</td>
<td>Aug 25-31</td>
<td>Hurricane Katrina, FL, LA, esp. NOLA &amp; MS</td>
<td>&gt;=1,833-1,836</td>
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<tr>
<td>1553</td>
<td></td>
<td>Hurricane, Lower Coast of TX</td>
<td>--1,700</td>
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<tr>
<td>1818</td>
<td>Sep 12-13</td>
<td>Hurricane, Galveston Island and ships in the area (14 lost), TX</td>
<td>--&lt;1,000</td>
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<tr>
<td>1938</td>
<td>Sep 21</td>
<td>Long Island, NY &amp; New England Hurricane, esp. RI, MA, CT</td>
<td>--682-712</td>
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<tr>
<td>1881</td>
<td>Aug 27</td>
<td>Hurricane, northeast GA, esp. Savannah/southeast SC/maritime</td>
<td>--~700</td>
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<tr>
<td>1873</td>
<td>Aug 14-27</td>
<td>“Nova Scotia” Hurricane</td>
<td>--&gt;600</td>
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<tr>
<td>1957</td>
<td>June 25-28</td>
<td>Hurricane Audrey, SW LA, TX, South Central US</td>
<td>--535-550</td>
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<tr>
<td>1804</td>
<td>Sep 7-9</td>
<td>Hurricane, esp. areas of Savannah, GA, Charleston, SC, maritime</td>
<td>--~500</td>
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<tr>
<td>1935</td>
<td>Sep 2</td>
<td>Labor Day Hurricane, Florida Keys, FL</td>
<td>-- 500</td>
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<tr>
<td>1683</td>
<td></td>
<td>Hurricane, Florida East Coast</td>
<td>-- 496</td>
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<tr>
<td>1815</td>
<td>Aug 16-17, 20</td>
<td>Hurricane/Tropical Storm, Gulf, SE Coast, TX, MO</td>
<td>--275-432</td>
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<tr>
<td>1875</td>
<td>Sep 15-16</td>
<td>TX Hurricane, Matagorda Bay-Sabine Pass, esp. Indianola TX</td>
<td>--176-420</td>
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<tr>
<td>1944</td>
<td>Sep 9-15</td>
<td>Northeast “Great Atlantic Hurricane,” esp. Maritime; MA^1624</td>
<td>--390-412</td>
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<tr>
<td>1926</td>
<td>Sep 17-18</td>
<td>Great Miami Hurricane, FL (also Sep 20, FL, AL, MS)</td>
<td>--372-408</td>
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<tr>
<td>1856</td>
<td>Aug 10-11</td>
<td>Hurricane, Isle Derniere (Last Island), LA (\textit{Nautilus} lost)</td>
<td>--140-400</td>
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<tr>
<td>1909</td>
<td>Sep 20-21</td>
<td>Grand Isle, LA, MS</td>
<td>--350-353</td>
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<tr>
<td>1874</td>
<td>Aug 17-22</td>
<td>Hurricane Camille, especially MS, South/SE LA, VA</td>
<td>--291-336</td>
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<tr>
<td>1906</td>
<td>Oct 18-21</td>
<td>Hurricane, Florida Keys and Maritime, FL</td>
<td>--211-328</td>
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<tr>
<td>1928</td>
<td>Sep 13</td>
<td>San Felipe Segundo Hurricane, Puerto Rico^1625</td>
<td>-- 312</td>
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<tr>
<td>1955</td>
<td>Aug 18-19</td>
<td>Hurricane Diane, Category 1, Northeast U.S.</td>
<td>--180-310</td>
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<tr>
<td>1822</td>
<td>Sep 27-28</td>
<td>Carolinas</td>
<td>-- 300</td>
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<tr>
<td>1915</td>
<td>Sep 29-Oct 1</td>
<td>Hurricane, LA and MS Coasts</td>
<td>--275-279</td>
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<tr>
<td>1527</td>
<td>Nov</td>
<td>Hurricane, Matagorda Bay, TX</td>
<td>-- 200</td>
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<tr>
<td>1785</td>
<td>Sep 2</td>
<td>Hurricane, Immigrant Ship \textit{Faithful Steward} Sinks, Coast of DE^1626</td>
<td>-- &gt;200</td>
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<tr>
<td>1819</td>
<td>July 27-28</td>
<td>Bay St. Louis Hurricane, Mobile AL (also LA and MS)</td>
<td>--43-200</td>
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<tr>
<td>2012</td>
<td>Oct 29-30</td>
<td>Hurricane Sandy, Mid-Atlantic, esp. NY, NJ, also PA, MD, CT, WV^1627</td>
<td>--154-182</td>
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<tr>
<td>1898</td>
<td>Oct 2</td>
<td>GA, SC, NC</td>
<td>-- 180</td>
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<tr>
<td>1775</td>
<td>Sep 2-6</td>
<td>NC, VA</td>
<td>-- 163</td>
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<tr>
<td>1886</td>
<td>Oct 12-13</td>
<td>Hurricane/Tropical Storm, East Texas</td>
<td>-- 150</td>
<td></td>
</tr>
</tbody>
</table>

^1623 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.

^1624 Cross-listed in Maritime in that 340-344 of the fatalities were crew of five U.S. Navy and USCG ships.

^1625 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.

^1626 Cross-listed in Maritime.

^1627 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.
37. 1849 -- Oct 6-7, Hurricane/Severe Strm., *St. John & Levi Woodbury* wreck, MA -- 143
38. 1972 -- June 18-26, Hurricane/Tropical Storm Agnes and Flooding, East Coast --138-140
39. 1906 -- Sep 27, MS, AL, Northwest FL -- 134
40. 1896 -- Sep 28-29, “Cedar Key” Hurricane, FL, GA, SC, VA -- 130
41. 1903 -- Sep 14-17, Atlantic Coast Hurricane, NC, VA, DE, NJ, NY, ME -- 57-125
42. 2005 -- Sep 22-24, Hurricane Rita, FL Keys, Louisiana and especially Texas --111-124
43. 1992 -- Aug 24, 26, Hurricane Andrew, FL (89-90) esp. Dade Co., and LA (17) --106-107
44. 2017 -- Sep 22-24, Hurricane Harvey, Texas and especially Houston -- >92
45. 1939 -- Sep 25, Tropical Storm, Long Beach/San Pedro, CA -- 93
46. 2008 -- Sep 12-14, *Hurricane Ike*, AR, IL, IN, KY, LA, MI, OH, PA, TN, esp. TX -- >92
47. 1846 -- Oct 12, Great Havana Hurricane, Florida, esp. Keys, East Coast to NY -- 60-90
48. 1863 -- Aug 21, USS Bainbridge Capsizes, Hurricane, off Cape Hatteras, NC -- 80-90
49. 1999 -- Sep 18 (Puerto Rico); 21-22 (SC/NC), Hurricane Hugo, also VA, NY, USVI -- 59-86
50. 1916 -- July 15-16, Tropical Storm, Flooding SC, VA, TN, WV, esp. NC -- 26-80
51. 1985 -- Nov 4-5, Flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV) -- 71-74
52. 1870 -- Oct 20, Hurricane, Steamer Varuna Capsizes, 35M NE of Jupiter Inlet, FL -- 36-72
53. 1878 -- Oct 21-24, Hurricane/Land & Maritime, NC, VA, MD, DE, PA, NJ, CT --70-72
54. 2004 -- Sep 15-18, Hurricane Ivan, Tornadoes, AL, GA, MD, MS, NC; esp. FL -- 51-72
55. 1713 -- Sep 16-17, Hurricane, Charleston and vicinity, South Carolina -- 70
56. 1844 -- Aug 6, Tropical Cyclone, Brownsville, TX -- 70

**HURRICANES and Tropical Storms—Deadliest American—By MORTALITY (Cont.)**

55. 1939 -- Sep 25, Tropical Storm, Long Beach/San Pedro, CA\(^{1631}\) -- 93
56. 2008 -- Sep 12-14, *Hurricane Ike*, AR, IL, IN, KY, LA, MI, OH, PA, TN, esp. TX -- >92
57. 1846 -- Oct 12, Great Havana Hurricane, Florida, esp. Keys, East Coast to NY -- 60-90
58. 1863 -- Aug 21, USS Bainbridge Capsizes, Hurricane, off Cape Hatteras, NC\(^{1633}\) -- 80-90
59. 1999 -- Sep 18 (Puerto Rico); 21-22 (SC/NC), Hurricane Hugo, also VA, NY, USVI -- 59-86
60. 1916 -- July 15-16, Tropical Storm, Flooding SC, VA, TN, WV, esp. NC -- 26-80
61. 1985 -- Nov 4-5, Flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)\(^{1634}\) -- 71-74
62. 1870 -- Oct 20, Hurricane, Steamer Varuna Capsizes, 35M NE of Jupiter Inlet, FL\(^{1635}\) -- 36-72
63. 1878 -- Oct 21-24, Hurricane/Land & Maritime, NC, VA, MD, DE, PA, NJ, CT\(^{1636}\) --70-72
64. 2004 -- Sep 15-18, Hurricane Ivan, Tornadoes, AL, GA, MD, MS, NC; esp. FL -- 51-72
65. 1713 -- Sep 16-17, Hurricane, Charleston and vicinity, South Carolina -- 70
66. 1844 -- Aug 6, Tropical Cyclone, Brownsville, TX -- 70

\(^{1628}\) Cross-listed in Maritime.
\(^{1629}\) Cross-listed in Maritime.
\(^{1630}\) Cross-listed in Maritime.
\(^{1631}\) Cross-listed in Flooding.
\(^{1632}\) WNS has Ike’s life as Sep 1-14. We use Sep 12-14 in that the storm was off Texas coast on the 12\(^{th}\) 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 14\(^{th}\). Brown, et al. “Atlantic Hurricane Season of 2008,” MWR, 5-2010.
\(^{1633}\) Cross-listed in Maritime.
\(^{1634}\) 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.
\(^{1635}\) Cross-listed in Maritime.
\(^{1636}\) Cross-listed in Maritime (54 maritime fatalities)
69. 1880 -- Aug 28, *City of Vera Cruz* Sinks in Hurricane off Mosquito Inlet, FL\(^{1637}\) -- 68
70. 1954 -- Aug 31, Hurricane Carol, New England Coastal States, Category 3 --45-68
71. 1975 -- Sep 16-27,\(^{1638}\) TS/Hurricane Eloise & remnants, PR, FL Gulf (23\(^{rd}\)) US East -- 68
72. 1879 -- Aug 18-19, Hurricane, SC, NC, MD, PA, DE, NJ, NY, CT, MA\(^{1639}\) --46-67
73. 1940 -- Aug 11-13, Hurricane, GA, SC, NC, VA, TN -- 65
74. 2004 -- Sep 5-8, Hurricane Frances, FL, GA, SC, NC, OH (esp. FL) -- 64
75. 1925 -- Dec 1-2, off Southeast FL Coast -- 60

**HURRICANES and Tropical Storms– Deadliest American -- By MORTALITY (Cont.)**

76. 2018 -- Oct 10, Hurricane Michael --Mexico Beach, FL, deaths also in GA/NC/VA --57-59
77. 1841 -- Oct 3-4, New England -- 58
78. 2018 -- Sep 14, Hurricane Florence (Wrightsville Beach landfall); NC/SC/VA aftermath --55-57
79. 2003 -- Sep 18-19, Hurricane Isabel, East Coast, especially VA and MD --55-56
81. 1883 -- Sep 11, Hurricane Three, SC, NC (53) VA (12\(^{th}\)), especially NC -- 53
82. 2001 -- June 5-17, Tropical Storm Allison, FL/MA/MS/NC/PA/VA, especially TX --52-53
83. 2008 -- Sep 01, Hurricane Gustav, FL, GA, MS and especially LA -- 53
84. 2016 -- Oct 7-9, Hurricane Matthew & aftermath, FL/13, GA/3, SC/5, NC/30, VA/2 -- 53
85. 1970 -- Oct 5-10, Tropical storm/flooding (18 confirmed, 34 missing), Puerto Rico --18-52
86. 1921 -- Sep 07, South TX, Flash Flood, San Antonio, TX -- 51
87. 1947 -- Sep 17-19, Fort Lauderdale Hurricane, FL, LA, Cat. 3 -- 51
88. 1747 -- Sep 15, Unnamed, Immigrants Ship sunk Rappahannock River, VA -- >50
89. 1772 -- Sep 01, Tropical Storm Grounds 14 vessels, Ocracoke Bar, NC -- 50
90. 1960 -- Sep 9-14, Hurricane Donna, FL/Eastern U.S., Cat. 4 -- 50

91. 1860 -- Aug 11, Hurricane, LA -- 47
92. 1961 -- Sep 11-14, Carla, TX, LA, KS, MO -- 46
93. 1897 -- Sep 08, Hurricane, North-Central Atlantic -- 45
94. 1955 -- Aug 12-13, Connie, SC, NC, PA, NY -- 43
95. 1806 -- Aug 21-24, Hurricane, Carolinas coastal/maritime, *Rose in Bloom* upset, NJ\(^ {1640}\) -- 42
96. 1964 -- Oct 3-4, Hurricane/Tropical Storm Hilda/Tornadoes, LA, MS, SE Coast -- 42
97. 1996 -- Sep 5-6, Hurricane Fran, SC, NC, VA, WV, MD, DC, PA, especially NC --40-42
98. 1909 -- July 21, Unnamed Hurricane./Tropical Storm, Velasco, TX -- 41
99. 1758 -- Hurricane, St. Marks, FL -- 40
100. 1853 -- Sep 6-7, Hurricane, Western Atlantic -- 40
101. 1889 -- Sep 9-10, Hurricane, VA, DE, MD, PA, NJ --40-50
102. 1932 -- Aug 13, Unnamed Hurricane/Tropical Storm, Freeport TX -- 40
103. 1933 -- Sep 4-5, Hurricane/Tropical Storm, Brownsville TX -- 40
104. 2004 -- Aug 13-14, Hurricane Charley, FL, SC, NC, VA, esp. SW & Central FL\(^ {1641}\) --34-40

\(^{1637}\) Cross-listed in Maritime.
\(^{1638}\) 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 27\(^{th}\) when Eloise remnants, causing flooding and taking lives, cleared.
\(^{1639}\) Maritime component cross-listed in Maritime.
\(^{1640}\) Cross-listed in Maritime. Majority of deaths were maritime (21 from *Rose in Bloom* alone).
\(^{1641}\) The range has to do with (1) 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.
105. 1815 -- Sep 23, “Great September Gale of 1815,” NY, New England -- >38
106. 1838 -- Sep 07, Hurricane, near Cape Florida, FL -- 38
107. 1886 -- Aug 19-20, Tropical Cyclone, TX, especially Indianola, TX -- 38
108. 1834 -- Sep 04, Hurricane, SC -- 37
109. 1863 -- May 26, Tropical Storm, Northeast Gulf of Mexico -- 37
110. 1869 -- Oct 04, Hurricane, Coastal New Brunswick, Canada, NY, ME -- 37
111. 1994 -- Jul 4-10, Tropical Storm Alberto Flooding, Dam Failures, AL, esp. GA\textsuperscript{1642} --34-37
112. 2005 -- Oct 24, Hurricane Wilma, Category 3, Landfall SW Coast of Florida --26-37
113. 1635 -- Aug 25, Great Colonial Hurricane, New England -- 35
114. 1821 -- Sep 15, Hurricane, MS -- 35
115. 1916 -- Jul 4-10, Hurricane, Gulf of Mexico and Gulf States -- 34
116. 1918 -- Aug 1-7, Hurricane One, 1918 Season, SW LA, Cat 3 -- 34
117. 1926 -- Aug 25, Hurricane, LA -- 34
118. 1978 -- Jul 30-Aug 4, Tropical Storm Amelia & remnants, Flash Flooding, TX\textsuperscript{1643} --33-34
119. 1995 -- Oct 4, Hurricane/Tropical Storm Opal, FL panhandle, NC, esp. AL & GA --30-34
120. 1861 -- Nov 2-3, Hurricane, NC, MA (RI Ship \textit{Maritana} grounds near Boston Light)-- 33
122. 2015 -- Oct 1, U.S. cargo ship \textit{El Faro} sinks / Hurricane Joaquin, off east Bahamas\textsuperscript{1644}-- 33
123. 1869 -- Sep 8, Cane, Sch. \textit{Eliza} Wrecks (Peak’s Isl. ME). \textit{Yankee Girl} lost, MA & RI-- 31
124. 1910 -- Oct 17-20, Unnamed, Key West, FL to NC -- 30

\textbf{HURRICANES & Tropical Storms – Deadliest American -- By MORTALITY (Cont.)}

125. 1821 -- Sep 03, Hurricane, VA, MD, DE, PA, NJ, NY, MA, CT -- ~29
126. 1897 -- Sep 12-13, Hurricane, Southeast TX, Beaumont, TX landfall -- 29
127. 1970 -- Aug 3-4, Hurricane Celia, So. TX (15), esp. Corpus Christi & off FL (14)\textsuperscript{1645} -- 29
128. 1893 -- Oct 11-13, Tropical Cyclone, FL, SC -- 28
129. 1878 -- Oct 9-13, Tropical Cyclone, Coastal New England -- 27
130. 1854 -- Sep 7-13, Hurricane, Mid-Atlantic Coast -- 26
131. 1933 -- Sep 15-16 Hurricane, coastal NC (21), VA (2-4), PA (1)\textsuperscript{1646} --23-26
132. 1865 -- Sep 13, Hurricane, Cameron, LA landfall -- 25
133. 1911 -- Aug 27-29, Tropical Cyclone, GA, SC -- 25
134. 1980 -- Aug 6-10, Hurricane Allen, TX & off LA coast (including copter crash 13) -- 24
135. 1996 -- Sep 09, Hurricane Hortense, rain, flash floods, mudslides, Puerto Rico --21-24
136. 1959 -- Sep 29-30, Hurricane Gracie, SC and Gracie-Spawned Tornadoes in VA\textsuperscript{1647} -- 22
137. 1979 -- Aug 30-Sep 6, Hurricane David, Puerto Rico (Aug 30-31) and East Coast --21-22
138. 2004 -- Sep 25-28, Hurricane Jeanne and remnants, esp. FL (also GA/SC/NC/VA) -- 22
139. 2011 -- Sep 2-10, Tropical Storm Lee, AL/GA/LA/MS/TX/TN/VA/MD/PA/NJ/NY -- 22

\textsuperscript{1642} Cross-listed in Flooding and in Structural Failures--Dams.
\textsuperscript{1643} Cross-listed in Flooding.
\textsuperscript{1644} Cross-listed in Maritime. There were twenty-eight U.S. nationals and five Polish nationals.
\textsuperscript{1645} There were also 5 fatalities in Cuba.
\textsuperscript{1646} 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.
\textsuperscript{1647} Cross-listed in Tornadoes.
140. 1635 -- Aug 14/15, Tropical Storm, *Watch and Wait* Wrecks, Thacher Isl., MA\(^{1648}\) -- 21
141. 1954 -- Sep 11, Edna, Northeast US -- 21
142. 1983 -- Aug 18, Hurricane Alicia, Galveston, greater Houston & Southeast Texas -- 21

**HURRICANES & Tropical Storms – Deadliest American -- By MORTALITY** (continued)

143. 1813 -- Sep 17, Unnamed, Navy Gun Vessel *164 Sinks*, Charleston, SC\(^{1649}\) -- 20
144. 1916 -- Aug 18, Hurricane No. 6, South TX, especially Corpus Christi, TX -- 13-20
145. 1989 -- Jun 26-Jul 5, Tropical Storm Allison & remnants, esp., LA, MS, TX, NC, DE, NJ -- 20

146. 1878 -- Oct 23, Hurricane, *A.S. Davis Grounds ~ Virginia Beach*, VA\(^{1650}\) -- 19
147. 1934 -- July 24-26, Hurricane, Rockport/Corpus Christi area, TX -- 19
148. 1979 -- Sep 12-13, Hurricane Frederic, MS, AL, LA, FL, TN, PA, especially AL -- 17-19
149. 1998 -- Aug 21-24, Tropical Storm Charley, SW, Central TX, esp. Del Rio, TX -- 16-19

150. 1933 -- Aug 23, Unnamed, VA -- 18
151. 1943 -- July 27, Tropical Hurricane, Southeastern TX -- 18
152. 1944 -- Oct 18, Hurricane, FL -- 18
153. 1967 -- Sep 20-22, Hurricane Beulah, flooding, tornadoes, Brownsville & SW TX -- 12-18
154. 2007 -- Aug 16-20, Tropical Storm Erin, Lamar, TX landfall to OK and MO -- 17-18

155. 1903 -- Sep 14-15, FL Hurricane, British steamer Inchulva grounds, land deaths -- 17
156. 1954 -- June 26, Hurricane Alice, Brownsville, TX and vicinity -- 17
157. 1985 -- Oct 27-31, Hurricane/Tropical Storm Juan, Gulf of Mexico, especially LA -- ~17
158. 1998 -- Sep 21 (PR), 25-29, Hurricane Georges, Puerto Rico, AL, FL, GA, LA, MS -- 17

159. 1888 -- Aug 22, Flooding, Remnant of Gulf Coast Hurricane #3, MD, PA, WV -- 16
160. 1985 -- Sep 27-28, Hurricane Gloria, East Coast, esp. NC/NJ/NY/CT/MA/NH/RI\(^{1651}\) -- 15-16

162. 1909 -- Oct 11, Hurricane, Keys, FL -- 15
163. 1956 -- Sep 24, Flossy, Grand Isle & New Orleans LA -- 15
164. 2005 -- July 10-13, Hurricane Dennis, GA and esp. FL (Santa Rosa Island landfall) -- 15

165. 1835 -- Sep 18, Hurricane, Corpus Christi, TX -- 14
166. 1854 -- Sep 17/18, Hurricane, Steamer *Kate Ward* Lost, Matagorda Bay TX\(^{1652}\) -- 14
167. 1887 -- Sep 21, Hurricane, Middle Coast of Texas, Sailors Lost at Sea -- 14
168. 1904 -- Sep 14-15, Tropical Storm, SC, NC, VA, DE, NI, RI, MA -- 14

169. 1989 -- July 31-Aug 1, Hurricane Chantal, Texas and Louisiana; *Avco 5* Capsizes -- 13
170. 1995 -- Aug 23-28, Tropical Storm Jerry, especially FL, SC, NC -- 13

\(^{1648}\) Cross-listed in Maritime.
\(^{1649}\) Cross-listed in Maritime.
\(^{1650}\) Cross-listed in Maritime.
\(^{1651}\) The range -- we can find no substantiation for a report of one life lost in a plane crash in NY related to the storm.
\(^{1652}\) Cross-listed in Maritime.
HURRICANES & Tropical Storms – Deadliest American – By MORTALITY (continued)

171. 1950 -- Sep 12-14, Dog, Cape Cod, MA & New England -- 12
173. 1995 -- Aug 13-19 Hurricane Felix, especially NC and NJ (also RI and VA) -- 12
174. 1996 -- July 09 (Puerto Rico), and 12-13 (East Coast), Hurricane Bertha, esp. NC -- 12
175. 1997 -- July 18-26, Hurricane and Tropical Storm Danny, Gulf, lower East Coasts --10-12
176. 1877 -- Oct 4, Tropical storm flooding, rails wash out, train derails --Kimberton, PA 1653 --11
177. 1994 -- Nov 13-18, Hurricane/Tropical Storm Gordon, especially FL -- 11
178. 1728 -- Aug 13-14, Hurricane, coast and coastal waters south of Charleston, SC -- >10
179. 1794 -- Aug 31-Sep 1, Hurricane, New O., Pilottown, Plaquemines, Avoyelles LA 1654 ~10
180. 1871 -- Oct 3, Hurricane, TX Coast, Steamer C. K. Hall Lost off Cedar Point TX -- >10
181. 1901 -- Aug 13-16, Hurricane, FL, AL, LA, MS -- 10
182. 1929 -- Sep 24-29, Hurricane, FL -- 10
183. 1995 -- Sep 15-16, Hurricane Marilyn, U.S. Virgin Islands, Puerto Rico -- 10
184. 2004 -- Aug 30-Sep 1, Hurricane Gaston, NC and especially VA -- 10

Notable Other:
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

1653 Cross-listed in Rail.
1654 This is our estimate of fatalities based upon statement that “many lives…perished in the storm.”
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
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<tr>
<td>1527</td>
<td>Nov</td>
<td>Hurricane, Matagorda Bay, TX</td>
<td>TX</td>
<td>200</td>
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<tr>
<td>1553</td>
<td></td>
<td>Hurricane, Lower Coast of TX</td>
<td>TX</td>
<td>1,700</td>
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<td>1554</td>
<td>April</td>
<td>Hurricane, today’s Brownsville, TX</td>
<td>TX</td>
<td>50-100</td>
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<td>1635</td>
<td>Aug 14/15</td>
<td>Tropical Storm, Watch and Wait Wrecks, Thacher Isl., MA</td>
<td>MA</td>
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<td>1635</td>
<td>Aug 25</td>
<td>Great Colonial Hurricane, New England</td>
<td>MA</td>
<td>35</td>
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<td>1683</td>
<td></td>
<td>Unnamed, Florida East Coast</td>
<td>FL</td>
<td>496</td>
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<tr>
<td>1700</td>
<td>Sep 14</td>
<td>Hurricane, Rising Sun wrecked, Ashley River bar, Charleston, SC</td>
<td>SC</td>
<td>~100</td>
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<tr>
<td>1713</td>
<td>Sep 16-17</td>
<td>Hurricane, Charleston and vicinity, South Carolina</td>
<td>SC</td>
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<td>1728</td>
<td>Aug 13-14</td>
<td>Hurricane, coast and coastal waters south of Charleston, SC</td>
<td>SC</td>
<td>≥10</td>
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<tr>
<td>1747</td>
<td>Sep 15</td>
<td>Unnamed, Immigrants Ship sunk Rappahannock River, VA</td>
<td>VA</td>
<td>&gt;50</td>
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<td>1752</td>
<td>Sep 15</td>
<td>Hurricane, esp. Charleston, SC and Johnston, NC</td>
<td>NC</td>
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<td>1758</td>
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<td>Hurricane, St. Marks, FL</td>
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<td>1772</td>
<td>Sep 01</td>
<td>Tropical Storm Grounds 14 vessels, Ocracoke Bar, NC</td>
<td>NC</td>
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<td>1775</td>
<td>Sep 2-6</td>
<td>NC, VA</td>
<td>VA</td>
<td>163</td>
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<tr>
<td>1794</td>
<td>Aug 31-Sep 1</td>
<td>Hurricane, New O., Pilottown, Plaquemines, Avoyelles LA</td>
<td>LA</td>
<td>~10</td>
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<tr>
<td>1785</td>
<td>Sep 02</td>
<td>Hurricane, Immigrant Ship Faithful Steward Sinks, Coast of DE</td>
<td>DE</td>
<td>&gt;200</td>
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<tr>
<td>1800</td>
<td>Sep</td>
<td>Revenue Cutter Brig USS Pickering Lost, Gale/Hurricane off FL</td>
<td>FL</td>
<td>70-105</td>
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<tr>
<td>1804</td>
<td>Sep 7-9</td>
<td>Hurricane, esp. areas of Savannah, GA, Charleston, SC, maritime</td>
<td>SC</td>
<td>~500</td>
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<tr>
<td>1806</td>
<td>Aug 21-24</td>
<td>Hurricane, Carolinas coastal/maritime, Rose in Bloom upset, NJ</td>
<td>NJ</td>
<td>42</td>
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<td>1812</td>
<td>Aug 19-20</td>
<td>New Orleans, LA</td>
<td>LA</td>
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<tr>
<td>1813</td>
<td>Sep 17</td>
<td>Unnamed, Navy Gun Vessel 164 Sinks, Charleston, SC</td>
<td>SC</td>
<td>20</td>
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<tr>
<td>1815</td>
<td>Sep 23</td>
<td>“Great September Gale of 1815,” NY, New England</td>
<td>NY</td>
<td>&gt;38</td>
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<tr>
<td>1818</td>
<td>Sep 12-13</td>
<td>Hurricane, Galveston Island and ships in the area (14 lost), TX</td>
<td>TX</td>
<td>&lt;1,000</td>
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<tr>
<td>1819</td>
<td>July 27-28</td>
<td>Bay St. Louis Hurricane, Mobile AL (also LA and MS)</td>
<td>AL</td>
<td>43-200</td>
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<tr>
<td>1821</td>
<td>Sep 3</td>
<td>Hurricane, VA, MD, DE, PA, NJ, NY, MA, CT</td>
<td>VA</td>
<td>~29</td>
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</tbody>
</table>

1655 Cross-listed in Maritime.
1656 Cross-listed in Maritime.
1657 This is our guestimate of fatalities based upon statement that “many lives…perished in the storm.”
1658 Cross-listed in Maritime.
1659 Cross-listed in Maritime.
1660 Cross-listed in Maritime. Majority of deaths were maritime (21 from Rose In Bloom alone).
1661 Cross-listed in Maritime.
26. 1821 -- Sep 15, Hurricane, MS        --     35
27. 1822 -- Sep 27-28, Carolinas         --   300
28. 1824 -- Sep 14-15, GA                --   100

HURRICANES & Tropical Storms – Deadliest American -- CHRONOLOGICAL (cont.)

29. 1834 -- Sep 04, Hurricane, SC        --     37
30. 1835 -- Sep 18, Hurricane, Corpus Christi, TX --     14
31. 1837 -- Oct 9, Hurricane Racer’s Storm, Steamer Home Founders off Ocracoke, NC1662 -- 90-100
32. 1838 -- Sep 07, Hurricane, near Cape Florida, FL --     38

33. 1841 -- Oct 3-4, New England         --     58
34. 1844 -- Aug 6, Tropical Cyclone, Brownsville, TX --     70
35. 1846 -- Oct 12, Great Havana Hurricane, Florida, esp. Keys, East Coast to NY --60-90
36. 1849 -- Oct 6-7, Hurricane/Severe Storm, St. John & Levi Woodbury wreck, MA -- 143

37. 1853 -- Sep 6-7, Hurricane, Western Atlantic --     40
38. 1854 -- Sep 7-13, Hurricane, Mid-Atlantic Coast --     26
39. 1854 -- Sep 17/18, Hurricane, Steamer Kate Ward Lost, Matagorda Bay TX1663 -- 14
40. 1856 -- Aug 10-11, Hurricane, Isle Derniere (Last Island), LA (Nautilus lost) --140-400

41. 1860 -- Aug 11, Hurricane, LA        --     47
42. 1861 -- Nov 2-3, Hurricane, NC, MA (RI Ship Maritana grounds near Boston Light) --     33
43. 1863 -- May 26, Tropical Storm, Northeast Gulf of Mexico --     37
44. 1863 -- Aug 21, USS Bainbridge Capsizes, Hurricane, off Cape Hatteras, NC1664 --80-90
45. 1865 -- Sep 13, Hurricane, Cameron, LA landfall --     25
46. 1867 -- Oct 1-3 or 7-8, Hurricane E. TX Coast, esp. Brownsville & Matamoros -->25-100
47. 1869 -- Sep 8, Cane, Schr. Eliza Wrecks (Peak’s Isl. ME). Yankee Girl lost, MA & RI -- 31
48. 1869 -- Oct 04, Hurricane, Coastal New Brunswick, Canada, NY, ME --     37

49. 1870 -- Oct 20, Hurricane, Steamer Varuna Capsizes, 35M NE of Jupiter Inlet, FL 1665 --36-72

50. 1871 -- Oct 3, Hurricane, TX Coast, Steamer C. K. Hall Lost off Cedar Point TX -- >10
51. 1873 -- Aug 14-27, “Nova Scotia” Hurricane -- >600
52. 1875 -- Sep 15-16, TX Hurricane, Matagorda Bay-Sabine Pass, esp. Indianola TX --176-420
53. 1877 -- Oct 4, Tropical storm flooding, rails wash out, train derails –Kimberton, PA1666-- 11
54. 1878 -- Oct 9-13, Tropical Cyclone, Coastal New England --     27
55. 1878 -- Oct 21-24, Hurricane/Land & Maritime, NC, VA, MD, DE, PA, NJ, CT1667 --70-72
56. 1879 -- Aug 18-19, Hurricane, SC, NC, MD, PA, DE, NJ, NY, CT, MA1668 --46-67

1662 Cross-listed in Maritime.
1663 Cross-listed in Maritime.
1664 Cross-listed in Maritime.
1665 Cross-listed in Maritime.
1666 Cross-listed in Rail.
1667 Cross-listed in Maritime (54 maritime fatalities)
1668 Maritime component cross-listed in Maritime.
57. 1880 -- Aug 28, *City of Vera Cruz* Sinks in Hurricane off Mosquito Inlet, FL\(^{1669}\) -- 68
59. 1883 -- Sep 11, Hurricane Three, SC, NC (53) VA (12\(^{th}\)), especially NC -- 53
60. 1885 -- Aug 24-25, Hurricane, FL, GA, NC, SC (fatalities primarily maritime) --25-33
61. 1886 -- Aug 19-20, Tropical Cyclone, TX, especially Indianola, TX -- 38
62. 1886 -- Oct 12-13, Hurricane/Tropical Storm, East Texas -- 150
63. 1887 -- Sec 21, Hurricane, Middle Coast of Texas, Sailors Lost at Sea -- 14
64. 1888 -- Aug 22, Flooding, Remnant of Gulf Coast Hurricane #3, MD, PA, WV -- 16
65. 1889 -- Sep 9-10, Hurricane, VA, DE, MD, PA, NJ --40-50

**HURRICANES & Tropical Storms – CHRONOLOGICAL (continued)**

66. 1893 -- Aug 27-29, Hurricane, Sea Islands, SC-GA --1,000-2,500
67. 1893 -- Oct 1-2, Hurricane Cheniere Caminanda, MS, AL, esp. LA –1,700-2,000
68. 1893 -- Oct 11-13, Tropical Cyclone, FL, SC -- 28
69. 1896 -- Sep 28-29, “Cedar Key” Hurricane, FL, GA, SC, VA -- 130
70. 1897 -- Sep 08, Hurricane, North-Central Atlantic -- 45
71. 1897 -- Sep 12-13, Hurricane, Southeast TX, Beaumont, TX landfall -- 29
72. 1898 -- Oct 2, GA, SC, NC -- 180
73. 1899 -- Aug 8-19, San Ciriaco Hurricane, especially Puerto Rico and NC -- ~3,477

74. 1900 -- Sep 9, Hurricane, Galveston and southeast coastal area, TX --7,200-12,000
75. 1901 -- Aug 13-16, Hurricane, FL, AL, LA, MS -- 10
76. 1903 -- Sep 14-15, FL Hurricane, British steamer *Inchulva* grounds, land deaths -- 17
77. 1903 -- Sep 14-17, Atlantic Coast Hurricane, NC, VA, DE, NJ, NY, ME --57-125
78. 1904 -- Sep 14-15, Tropical Storm, SC, NC, VA, DE, NJ, RI, MA -- 14
79. 1906 -- Sep 27, MS, AL, Northwest FL -- 134
80. 1906 -- Oct 18-21, Hurricane, Florida Keys and Maritime, FL --211-328
81. 1909 -- July 21, Unnamed Hurricane/Tropical Storm, Velasco, TX -- 41
82. 1909 -- Sep 20-21, Grand Isle, LA, MS --350-353
83. 1909 -- Oct 11, Hurricane, Keys, FL -- 15

84. 1910 -- Oct 17-20, Unnamed, Key West, FL to NC -- 30
85. 1911 -- Aug 27-29, Tropical Cyclone, GA, SC -- 25
86. 1915 -- Aug 16-17, 20, Hurricane/Tropical Storm, Gulf, SE Coast, TX, MO --275-432
87. 1915 -- Sep 29-Oct 1, Hurricane, LA and MS Coasts --275-279
88. 1916 -- July 4-10, Hurricane, Gulf of Mexico and Gulf States -- 34
89. 1916 -- July 15-16, Tropical Storm, Flooding SC, VA, TN, WV, esp. NC --26-80
90. 1916 -- Aug 18, Hurricane No. 6, South TX, Corpus Christi landfall --13-20
91. 1918 -- Aug 1-7, Hurricane One, 1918 Season, SW LA, Cat 3 -- 34
92. 1919 -- Sep 10-14 --Hurricane, Florida Keys, Gulf & Corpus Christi area, TX --727-1,131

93. 1921 -- Sep 07, South TX, Flash Flood, San Antonio, TX -- 51
94. 1925 -- Dec 1-2, off Southeast FL Coast -- 60
95. 1926 -- Aug 25, Hurricane, LA -- 34

\(^{1669}\) Cross-listed in Maritime.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Casualties</th>
</tr>
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<tbody>
<tr>
<td>1926</td>
<td>Sep 17–18</td>
<td>Great Miami Hurricane, FL (also Sep 20, FL, AL, MS)</td>
<td>--372-408</td>
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<tr>
<td>1926</td>
<td>Sep 13</td>
<td>San Felipe Segundo Hurricane, Puerto Rico</td>
<td>-- 312</td>
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<tr>
<td>1926</td>
<td>Sep 16-20</td>
<td>Hurricane, Flood, Southeast FL/Great Okeechobee, FL</td>
<td>--3,000</td>
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<td>1926</td>
<td>Sep 24-29</td>
<td>Hurricane, FL</td>
<td>-- 10</td>
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<td>1928</td>
<td>Sep 13</td>
<td>Hurricane, Flood, Southeast FL/Great Okeechobee, FL</td>
<td>--3,000</td>
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<td>1928</td>
<td>Sep 16-20</td>
<td>Hurricane, Flood, Southeast FL/Great Okeechobee, FL</td>
<td>--3,000</td>
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<td>1929</td>
<td>Sep 24-29</td>
<td>Hurricane, FL</td>
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<td>1932</td>
<td>Aug 13</td>
<td>Unnamed Hurricane/Tropical Storm, Freeport TX</td>
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<td>1933</td>
<td>Aug 23</td>
<td>Unnamed, VA</td>
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<td>1933</td>
<td>Sep 4-5</td>
<td>Hurricane/Tropical Storm, Brownsville TX</td>
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<td>1933</td>
<td>Sep 15-16</td>
<td>Hurricane, coastal NC (21), VA (2-4), PA (1)</td>
<td>--23-26</td>
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<td>1934</td>
<td>Jul 24-26</td>
<td>Hurricane, Rockport/Corpus Christ area, TX</td>
<td>-- 19</td>
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<td>1935</td>
<td>Sep 2</td>
<td>Labor Day Hurricane, Florida Key</td>
<td>-- 500</td>
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<td>1938</td>
<td>Sep 21</td>
<td>Long Island, NY &amp; New England Hurricane, esp. RI, MA, CT</td>
<td>--682-712</td>
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<td>1939</td>
<td>Sep 25</td>
<td>Tropical Storm, Long Beach/San Pedro, CA</td>
<td>-- 93</td>
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<td>1940</td>
<td>Aug 11-13</td>
<td>Hurricane, GA, SC, NC, VA, TN</td>
<td>-- 65</td>
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<tr>
<td>1943</td>
<td>Jul 27</td>
<td>Tropical Hurricane, Southeastern TX</td>
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<td>1944</td>
<td>Sep 9–15</td>
<td>Northeast “Great Atlantic hurricane,” esp. Maritime; MA</td>
<td>--390-412</td>
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<tr>
<td>1944</td>
<td>Oct 18</td>
<td>Hurricane, FL</td>
<td>-- 18</td>
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<td>1947</td>
<td>Sep 17-19</td>
<td>Fort Lauderdale Hurricane, FL, LA, Cat. 3</td>
<td>-- 51</td>
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<td>1950</td>
<td>Sep 12-14</td>
<td>Dog, Cape Cod, MA &amp; New England</td>
<td>-- 12</td>
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<td>1954</td>
<td>Jun 26</td>
<td>Hurricane Alice, Brownsville, TX and vicinity</td>
<td>-- 17</td>
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<td>1954</td>
<td>Aug 31</td>
<td>Hurricane Carol, New England Coastal States, Category 3</td>
<td>--45-68</td>
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<td>1954</td>
<td>Sep 11</td>
<td>Edna, Northeast US</td>
<td>-- 21</td>
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<td>1954</td>
<td>Oct 15-16</td>
<td>Hurricane Hazel, Mid and North Atlantic Coast</td>
<td>--95-103</td>
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<td>1955</td>
<td>Aug 12-13</td>
<td>Connie, SC, NC, PA, NY</td>
<td>-- 43</td>
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<td>1955</td>
<td>Aug 18-19</td>
<td>Hurricane Diane, Category 1, Northeast U.S.</td>
<td>--180-310</td>
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<td>1956</td>
<td>Sep 24</td>
<td>Flossy, Grand Isle &amp; New Orleans LA</td>
<td>-- 15</td>
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<td>1957</td>
<td>Jun 25-28</td>
<td>Hurricane Audrey, SW LA, TX, South Central US</td>
<td>--535-550</td>
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<tr>
<td>1959</td>
<td>Sep 29-30</td>
<td>Hurricane Gracie, SC and Gracie-Spawned Tornadoes in VA</td>
<td>--22</td>
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**HURRICANES & Tropical Storms – CHRONOLOGICAL (continued)**

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<th>Casualties</th>
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<tr>
<td>1960</td>
<td>Sep 9-14</td>
<td>Hurricane Donna, FL/Eastern U.S., Cat. 4</td>
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<tr>
<td>1961</td>
<td>Sep 11-14</td>
<td>Hurricane Carla, TX, LA, KS, MO</td>
<td>-- 46</td>
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<tr>
<td>1964</td>
<td>Oct 3-4</td>
<td>Hurricane/Tropical Storm Hilda/Tornadoes, LA, MS, SE Coast</td>
<td>-- 42</td>
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<tr>
<td>1965</td>
<td>Sep 7-10</td>
<td>Hurricane Betsy, SE FL, esp. LA (levee break), also AR, MS</td>
<td>93-105</td>
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<tr>
<td>1967</td>
<td>Sep 20-22</td>
<td>Hurricane Beulah, flooding, tornadoes, Brownsville &amp; SW TX</td>
<td>--12-18</td>
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<tr>
<td>1969</td>
<td>Aug 17-22</td>
<td>Hurricane Camille, especially MS, South/SE LA, VA</td>
<td>--291-336</td>
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1670 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.

1671 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.

1672 Cross-listed in Flooding

1673 Cross-listed in Maritime in that 340-344 of the fatalities were crew of five U.S. Navy and USCG ships.

1674 Cross-listed in Tornadoes.
HURRICANES & Tropical Storms – CHRONOLOGICAL (continued)

129. 1970 -- Aug 3-4, Hurricane Celia, So. TX (15), esp. Corpus Christi & off FL (14)\(^{1675}\) -- 29
130. 1970 -- Oct 5-10, Tropical storm/flooding (18 confirmed, 34 missing), Puerto Rico --18-52
131. 1972 -- June 18-26, Hurricane/Tropical Storm Agnes and Flooding, East Coast --138-140
132. 1975 -- Sep 16-27, \(^{1676}\) TS/Hurricane Eloise & remnants, PR, FL Gulf (23\(^{rd}\)), US East-- 68
133. 1978 -- July 30-Aug 4, Tropical Storm Amelia & remnants, Flash Flooding, TX\(^{1677}\) --33-34
134. 1979 -- Aug 30-Sep 6, Hurricane David, Puerto Rico (Aug 30-31) and East Coast --21-22
135. 1979 -- Sep 12-13, Hurricane Frederic, MS, AL, LA, FL, TN, PA, especially AL --17-19
136. 1980 -- Aug 6-10, Hurricane Allen, TX & off LA coast (including copter crash 13) -- 24
137. 1983 -- Aug 18, Hurricane Alicia, Galveston, greater Houston & Southeast Texas -- 21
138. 1985 -- Sep 27-28, Hurricane Gloria, East Coast, esp. NC/NJ/NY/CT/MA/NH/RI\(^{1678}\)15-16
139. 1985 -- Oct 27-31, Hurricane/Tropical Storm Juan, Gulf of Mexico, especially LA -- ~17
140. 1985 -- Nov 4-5, Flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV)\(^{1679}\)71-74
1985 -- Nov 21-23, Hurricane Kate, So. FL-Panama City/Apalachicola, FL Panhandle-- 5
141. 1989 -- June 26-Jul 5, Tropical Storm Allison & remnants, esp., LA, MS, TX, NC, DE, NJ--20
142. 1989 -- July 31-Aug 1, Hurricane Chantal, Texas and Louisiana; \textit{Avco} 5 Capsizes -- 13
143. 1989 -- Sep 18 (Puerto Rico); 21-22 (SC/NC), Hurricane Hugo, also VA, NY, USVI-59-86
144. 1990 -- Oct 10-12, Tropical Storms Marco and Klaus remnants, FL, GA, SC, NC -- 12
146. 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
147. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, AL, esp. GA\(^{1680}\)34-37
148. 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
149. 1995 -- Aug 13-19 Hurricane Felix, especially NC and NJ (also RI and VA) -- 12
150. 1995 -- Aug 23-28, Tropical Storm Jerry, especially FL, SC, NC -- 13
151. 1995 -- Sep 15-16, Hurricane Marilyn, U.S. Virgin Islands, Puerto Rico -- 10
152. 1995 -- Oct 4, Hurricane/Tropical Storm Opal, FL panhandle, NC, esp. AL & GA --30-34
153. 1996 -- Aug 09, Hurricane Hortense, rain, flash floods, mudslides, Puerto Rico --21-24
154. 1996 -- Sep 5-6, Hurricane Fran, SC, NC, VA, WV, MD, DC, PA, especially NC --40-42
155. 1997 -- Jul 18-26, Hurricane and Tropical Storm Danny, Gulf, lower East Coasts --10-12
156. 1996 -- Sep 09, Hurricane Hortense, rain, flash floods, mudslides, Puerto Rico --21-24
157. 1998 -- Aug 21-24, Tropical Storm Charley, SW, Central TX, esp. Del Rio, TX --16-19
158. 1998 -- Sep 21 (PR), 25-29, Hurricane Georges, Puerto Rico, AL, FL, GA, LA, MS -- 17
159. 1999 -- Sep 15-17, Hurricane Floyd, Mid Atlantic, Northeast, particularly NC --88-89

\(^{1675}\) There were also 5 fatalities in Cuba.
\(^{1676}\) 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 27\(^{th}\) when Eloise remnants, causing flooding and taking lives, cleared.
\(^{1677}\) Cross-listed in Flooding.
\(^{1678}\) The range -- we can find no substantiation for a report of one life lost in a plane crash in NY related to the storm.
\(^{1679}\) 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.
\(^{1680}\) Cross-listed in Flooding and in Structural Failures--Dams.
HURRICANES & Tropical Storms – CHRONOLOGICAL (continued)

160. 2001 -- June 5-17, Tropical Storm Allison, FL/LA/MS/NC/PA/VA, especially TX --52-53
161. 2003 -- Sep 18-19, Hurricane Isabel, East Coast, especially VA and MD --55-56
162. 2004 -- Aug 13-14, Hurricane Charley, FL, SC, NC, VA, esp. SW & Central FL 1681--34-40
163. 2004 -- Aug 30-Sep 1, Hurricane Gaston, NC and especially VA -- 10
164. 2004 -- Sep 5-8, Hurricane Frances, FL, GA, SC, NC, OH (esp. FL) -- 64
165. 2004 -- Sep 15-18, Hurricane Ivan, Tornadoes, AL, GA, MD, MS, NC; esp. FL --51-72
166. 2004 -- Sep 25-28, Hurricane Jeanne and remnants, esp. FL (also GA/SC/NC/VA) -- 22
167. 2005 -- July 10-13, Hurricane Dennis, GA and esp. FL (Santa Rosa Island landfall) -- 15
168. 2005 -- Aug 25-31, Hurricane Katrina, FL, LA, esp. NOLA & MS 1682 --≥1,833-1,836
169. 2005 -- Sep 22-24, Hurricane Rita, FL Keys, Louisiana and especially Texas --111-124
170. 2005 -- Oct 24, Hurricane Wilma, Category 3, Landfall SW Coast of Florida --26-37
171. 2007 -- Aug 16-20, Tropical Storm Erin, Lamar, TX landfall to OK and MO --17-18
172. 2008 -- Sep 01, Hurricane Gustav, FL, GA, MS and especially LA -- 53
173. 2008 -- Sep 12-14, Hurricane Ike, AR, IL, IN, KY, LA, MI, OH, PA, TN, esp. TX--≥92
175. 2011 -- Sep 2-10, Tropical Storm Lee, AL/GA/MD/MS/TX/TN/VA/MJ/PA/NJ/NY-- 22
176. 2012 -- Oct 29-30, Hurricane Sandy, Mid-Atlantic, esp. NY, NJ, also PA, MD, CT, WV1684--154-182
177. 2015 -- Oct 1, U.S. cargo ship El Faro sinks / Hurricane Joaquin, off east Bahamas1685-- 33
178. 2016 -- Oct 7-9, Hurricane Matthew & aftermath, FL/13, GA/3, SC/5, NC/30, VA/2-- 53
179. 2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey, Southeast TX, esp. Houston -- ≥89
180. 2017 -- Sep 6, Hurricane Irma, PR, US Virgin Isl.; Sep 10-11, GA, SC, NC, esp. FL -- 107
181. 2017 -- Sep 20, Hurricane Maria, Puerto Rico (2,975), US Virgin Isl. (2), NJ (3) --2,980
182. 2018 -- Sep 14, Hurricane Florence (Wrightsville Beach landfall); NC/SC/VA aftermath --55-57
183. 2018 -- Oct 10, Hurricane Michael ~Mexico Beach, FL, deaths also in GA/NC/VA --57-59

1681 The range has to do with (1) 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.
1682 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.
1683 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.
1684 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.
1685 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 7, Tropical Storm, Landslide, Mameyes neighborhood, Ponce, Puerto Rico -- 130
3. 2014 -- Mar 22, Mudslide, State Route 530, near Oso, Snohomish Co., WA 1687 -- 43-44
4. 1868 -- Apr 3, Earthquake-induced landslides, mudflows, cliff fall, Hawaii Island, HI -- 31-32
5. 1959 -- Aug 18, Earthquake and Landslides, Hebgen Lake, Montana 1688 -- 26-28
6. 1982 -- Jan 3-5, Rainstorms, Land-mudslides, esp. San Francisco Bay Area, CA 1689 -- 19-25
7. 2018 -- Jan 9, Heavy rain; Mudslides/debris flows (after forest fires), Montecito, CA -- 23
8. 1906 -- Jan 09, Landslide, Haverstraw, NY -- 22
9. 1942 -- Dec 22, Rockslide Crushes Passenger Bus, near Aliquippa, PA 1690 -- 22
10. 1843 -- Feb 16, Landslide, clay hill being mined at base, Troy, NY -- 17-18

11. 1969 -- Jan 25, Mudslides/debris flows, south Cal., especially Los Angeles Co., CA 1691 -- 16
12. 2003 -- Dec 25, Heavy Rain, Landslides/Mudslides, St. Sophia Camp, So. CA -- 16
13. 1936 -- Nov 22, Landslides (2), Mount Roberts debris into apt. bldgs. Juneau, AK 1692 -- 15
14. 1911 -- March 11, Ore Landslide, Oliver Iron Mine, Norman Open Pit, Virginia, MN -- 14
15. 1905 -- Aug 16, Quarry Landslide, Lehigh Portland Cement Co., Ormrod, PA -- 12
16. 1917 -- Jul 1, Washout under track, Trolley falls into Niagara River, Niagara Co., NY 1693 -- 12
17. 1906 -- Apr 18, Landslides as a result of the San Francisco Earthquake, CA 1694 -- 11
18. 1905 – Oct 06, Rock-fall, Vermont Slate Co. Briar Hill Quarry, Pawlet, VT -- 8-10
19. 1980 -- May 18, Mt. St. Helens Volcano Eruption and Landslides, WA 1695 -- 5-10
20. 2005 -- Jan 10, Mudslide, La Conchita, Ventura County, CA -- 10

1686 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.
1688 Cross-listed in Earthquakes. Highland and Schuster (USGS), in Significant Landslide Events in the United States (2003, p. 10), notes 26 fatalities, presumably from landslides. Another source: Person. The Hebgen Earthquake: 50 Years on.” Bozeman Daily Chronicle, 6-20-2009, notes that “At least 19 people were buried by the landslide that created Quake Lake…” There were at least several other definite landslide fatalities.
1689 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.
1690 Cross-listed in Road/Highway Events.
1691 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.
1692 Fourteen at the time and one from injuries about one week later.
1693 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.
1694 Cross-listed in Earthquakes. Details/references can be found in the 1906 SF earthquake section, 3-6k fatalities.
1695 Cross-listed in Volcano.
Other notable events:

1972 -- Feb 26, Dam Failure, Buffalo Coal Mining Co., Buffalo Creek, WV\textsuperscript{1696} -- 125-126
1826 -- Aug 18, Landslide, Crawford Notch, White Mountains, NH -- 9
1974 -- Jan 16, Canyon Mountain Landslide, Canyon Pass, Canyonville, OR -- 9
1933 -- Dec 20-25, Storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)\textsuperscript{1697} -- \geq 6
1996 -- Nov 18-20, Mudslides, Douglas County, OR -- 5

\textsuperscript{1696} 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 (\textit{Associated Press}). “Puerto Rico Toll May be Highest in U.S. Landslide History.” 10-10-1985.

\textsuperscript{1697} 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.
1. 1843 -- Feb 16, Landslide, clay hill being mined at base, Troy, NY  -- 17-18
2. 1868 -- April 3, 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 9, Landslide, Haverstraw, NY -- 22
5. 1906 -- April 18, Landslides as a result of the San Francisco Earthquake\(^{1698}\) -- 11
6. 1911 -- March 11, Ore Landslide, Oliver Iron Mine, Norman Open Pit, Virginia, MN -- 14
7. 1917 -- Jul 1, Washout under track, Trolley falls into Niagara River, Niagara Co., NY\(^{1699}\) -- 12
8. 1933 -- Dec 20-25, Storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)\(^{1700}\) -- >6
9. 1936 -- Nov 22, Landslides (2), Mount Roberts debris into apt. bldgs. Juneau, AK\(^{1701}\) -- 15
10. 1942 -- Dec 22, Rockslide Crushes Passenger Bus, near Aliquippa, PA\(^{1702}\) -- 22
11. 1969 -- Jan 25, Mudslides/debris flows, south Cal., especially Los Angeles County\(^{1704}\) -- 16
12. 1969 -- Aug 19-20, Camille storm, Flash Flooding, Mudslides, esp. Nelson Co., VA\(^{1705}\) -- <130

\(^{1698}\) Cross-listed in Earthquakes. Details/references can be found in the 1906 SF earthquake section, 3-6k fatalities.
\(^{1699}\) 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.
\(^{1700}\) 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.
\(^{1701}\) Fourteen at the time and one from injuries about one week later.
\(^{1702}\) Cross-listed in Road/Highway Events.
\(^{1703}\) Cross-listed in Earthquakes. Highland and Schuster (USGS), in Significant Landslide Events in the United States (2003, p. 10), notes 26 fatalities, presumably from landslides. Another source: Person. The Hebgen Earthquake: 50 Years on.” Bozeman Daily Chronicle, 6-20-2009, notes that “At least 19 people were buried by the landslide that created Quake Lake…” There were at least several other definite landslide fatalities.
\(^{1704}\) 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.
\(^{1705}\) 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 any one 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.
13. 1972 -- Feb 26, Dam Failure, Buffalo Coal Mining Co., Buffalo Creek, WV\textsuperscript{1706} -- 125-126
14. 1974 -- Jan 16, Canyon Mountain Landslide, Canyon Pass, Canyonville, OR -- 9

**LANDSLIDES. Mudslides, Debris Flows – Deadliest American – Chronological (con’t)**

15. 1974 -- Jan 16, Canyon Mountain Landslide, Canyon Pass, Canyonville, OR -- 9
16. 1980 -- May 18, Mt. St. Helens Volcano Eruption and Landslides\textsuperscript{1707} -- 5-10
17. 1982 -- Jan 3-5, Rainstorms, Land-mudslides, esp. San Francisco Bay Area, CA\textsuperscript{1708} -- 19-25
18. 1985 -- Oct 7, Tropical Storm, Landslide, Mameyes neighborhood, Ponce, Puerto Rico---130
19. 1985 -- Oct 7, Tropical Storm, Landslide, Mameyes neighborhood, Ponce, Puerto Rico---130
20. 1996 -- Nov 18-20, Mudslides, Douglas County, OR -- 5
21. 2003 -- Dec 25, Heavy Rain, Landslides/Mudslides, St. Sophia Camp, So. CA -- 16
22. 2005 -- Jan 10, Mudslide, La Conchita, Ventura County, CA -- 10
23. 2014 -- March 22, Mudslide, State Route 530, near Oso, Snohomish Co., WA\textsuperscript{1709} -- 43-44
24. 2018 -- Jan 9, Heavy rain; Mudslides/debris flows (after forest fires), Montecito, CA -- 23

\textsuperscript{1706} 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.

\textsuperscript{1707} Cross-listed in Volcano.

\textsuperscript{1708} 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.

\textsuperscript{1709} 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 8, Lightning, Fuel Gas Explosion, Crash, PanAm #214, Elkton, MD\textsuperscript{1710} -- 81
2. 1972 -- Feb 1, gas fumes explosion (lightning?), Tanker \textit{V.A. Fogg}, off Galveston, TX\textsuperscript{1711} -- 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, NJ\textsuperscript{1712} -- 21-22
5. 1918 -- Oct 6, US Steamer \textit{Dumaru} hit by Lightning, Burns, 22M west of Guam\textsuperscript{1713} -- 19
6. 1945 -- June 14, U.S.AAF C-46D Lightning Hit/Crash, near Oakridge, MS\textsuperscript{1714} -- 17
7. 1921 -- June 12, Lightning, Gasoline Storage Tank Explosion, Salt Lake City, UT\textsuperscript{1715} -- 15
8. 1961 -- March 28, Residential fire (lightning?), Alex Whitehead home, Dotsonville, TN\textsuperscript{1716} -- 12
9. 2006 -- Jan 2, Lightning/Explosion, Sago Coal Mine, Tallmansville WV\textsuperscript{1717} -- 12
10. 1901 -- July 1, Lightning, boys seeking shelter at pier at Montrose Blvd., Lake View, IL -- 11

11. 1945 -- July 17, U.S.AAF B-17F Plane Crash, near Smoky Hill AAB, Salina, KS\textsuperscript{1718} -- 10

Other:

1868 -- July 05, Lightning, Orange County, NY -- 9
1887 -- July 12, Lightning, People Seeking Shelter Under a Tree, ~Mt. Pleasant, TN -- 9

1929 -- Sep 3, 1\textsuperscript{st} US Lightning-Strike Plane Crash, Transcontinental Air, Mt. Taylor, NM -- 8
1961 -- July 12, Lightning strikes Tobacco Barn, near Clinton, Sampson County, NC -- 8

1893 -- June 21, Lightning strikes Ringling Brothers Circus Tent, River Falls, WI -- 7
1964 -- March 3 Lightning hits residence starting fire, Forrest City, AR\textsuperscript{1720} -- 7

1943 -- Aug 10, Lightning Kills Soldiers, Drill Field, Fort Belvoir, VA -- 6

1884 -- July 30, Lightning, 4 girls in bed killed, father commits suicide, Marysville KS -- 5
1994 -- June 16, Lightning, Lake Moomaw, Bath County, VA -- 5
2001 -- March 3, Lightning starts house fire, Montgomery, AL -- 5

\textsuperscript{1710} Cross-listed in Aviation.
\textsuperscript{1711} Cross-listed under Explosions and Maritime.
\textsuperscript{1712} Cross-listed in Explosions – lightning started a fire which led to explosions which led to loss of life.
\textsuperscript{1713} Cross-listed in Maritime.
\textsuperscript{1714} Cross-listed in Aviation.
\textsuperscript{1715} Cross-listed in Explosions.
\textsuperscript{1716} Cross-listed in Fire-Structural.
\textsuperscript{1717} Cross-listed in Mining.
\textsuperscript{1718} Cross-listed in Aviation.
\textsuperscript{1719} Cross-listed in Aviation.
\textsuperscript{1720} Cross-listed in Fire-Structural.
### LIGHTNING and Lightning-Related – Deadliest American – CHRONOLOGICAL

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1868</td>
<td>July 5</td>
<td>Lightning</td>
<td>Orange County, NY</td>
<td>9</td>
</tr>
<tr>
<td>1882</td>
<td>July 12</td>
<td>Lightning/Wind hits building, falls on saloon, Fire</td>
<td>Texarkana, AR</td>
<td>30</td>
</tr>
<tr>
<td>1884</td>
<td>July 30</td>
<td>Lightning, 4 girls in bed killed, father commits suicide</td>
<td>Marysville KS</td>
<td>5</td>
</tr>
<tr>
<td>1887</td>
<td>July 12</td>
<td>Lightning, People Seeking Shelter Under a Tree</td>
<td>Mt. Pleasant, TN</td>
<td>9</td>
</tr>
<tr>
<td>1893</td>
<td>Jun 21</td>
<td>Lightning strikes Ringling Brothers Circus Tent</td>
<td>River Falls, WI</td>
<td>7</td>
</tr>
<tr>
<td>1901</td>
<td>July 1</td>
<td>Lightning, boys seeking shelter at pier at Montrose Blvd.</td>
<td>Lake View, IL</td>
<td>11</td>
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<tr>
<td>1918</td>
<td>Oct 6</td>
<td>US Steamer <em>Dumaru</em> hit by Lightning, Burns, 22M west of Guam</td>
<td></td>
<td>19</td>
</tr>
<tr>
<td>1921</td>
<td>June 12</td>
<td>Lightning, Gasoline Storage Tank Explosion</td>
<td>Salt Lake City, UT</td>
<td>15</td>
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<tr>
<td>1926</td>
<td>July 10</td>
<td>Lightning/fire/Explosions, USN Lake Denmark Arsenal</td>
<td>Dover, NJ</td>
<td>21-22</td>
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<tr>
<td>1929</td>
<td>Sep 3</td>
<td>1st US Lightning-Strike Plane Crash, Transcontinental Air</td>
<td>Mt. Taylor, NM</td>
<td>8</td>
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<tr>
<td>1943</td>
<td>Aug 10</td>
<td>Lightning Kills Soldiers, Drill Field, Fort Belvoir, VA</td>
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<tr>
<td>1945</td>
<td>June 14</td>
<td>USAAF C-46D Lightning Hit/ Crash, near Oakridge, MS</td>
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<tr>
<td>1945</td>
<td>July 17</td>
<td>USAAF B-17F Plane Crash, near Smoky Hill AAB, Salina, KS</td>
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<tr>
<td>1961</td>
<td>Mar 28</td>
<td>Residential fire (lightning?), Alex Whitehead home</td>
<td>Dotsonville, TN</td>
<td>12</td>
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<tr>
<td>1961</td>
<td>July 12</td>
<td>Lightning strikes Tobacco Barn, near Clinton, Sampson County</td>
<td>NC</td>
<td>8</td>
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<tr>
<td>1963</td>
<td>Dec 8</td>
<td>Lightning, Fuel Gas Explosion, Crash, PanAm #214, Elkton, MD</td>
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<td>81</td>
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<tr>
<td>1964</td>
<td>March 3</td>
<td>Lightning hits residence starting fire, Forrest City, AR</td>
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<td>7</td>
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<tr>
<td>1972</td>
<td>Feb 1</td>
<td>Gas explosion (lightning), Tanker <em>V.A. Fogg</em>, off Galveston, TX</td>
<td></td>
<td>39</td>
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<tr>
<td>1994</td>
<td>June 16</td>
<td>Lightning, Lake Moomaw, Bath County, VA</td>
<td></td>
<td>5</td>
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<tr>
<td>2001</td>
<td>March 3</td>
<td>Lightning starts house fire, Montgomery, AL</td>
<td></td>
<td>5</td>
</tr>
<tr>
<td>2006</td>
<td>Jan 2</td>
<td>Lightning/Explosion, Sago Coal Mine, Tallmansville WV</td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

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1721 Cross-listed in Maritime.
1722 Cross-listed in Explosions.
1723 Cross-listed in Explosions.
1724 Cross-listed in Aviation.
1725 Cross-listed in Aviation.
1726 Cross-listed in Fire-Structural.
1727 Cross-listed in Aviation.
1728 Cross-listed in Fire-Structural.
1729 Cross-listed in Aviation.
1730 Cross-listed under Explosions and Maritime.
1731 Cross-listed in Mining.
1. 1865 -- Apr 27, Steamer *Sultana* explodes/burns, Miss. Riv., Redman Point, AR -1,547-1,947
4. 1944 -- Dec 18, Navy Task Force 38, Typhoon, 3 ships capsized off Philippines -- ~790
5. 1947 -- Apr 16-17, Ammonium Nitrate Explosion, *Grandcamp*, Texas City, TX1732 --581-600
6. 1854 -- Sep 27, US Mail *Arctic & Vesta* Collide/Fog, Cape Race Newfoundland --318-562
7. 1865 -- Mar 31, Steam Transport *General Lyon* Burns off Cape Hatteras, NC --400-500
8. 1898 -- Nov 26-27, Portland Gale, SS *Portland* sinks (Cape Ann MA), New Eng. --450-500
9. 1857 -- Sep 11/12, Hurricane, Steamer *Central America* Founders off VA1733 --400-427
10. 1837 -- Oct 31, *Monmouth & Tremont* Collide, MS Riv, Prophet Island Bend, LA --234-400
11. 1860 -- Sep 08, Steamer *Lady Elgin* Collision, Sinks, Lake Mich. off Winnepeta, IL --270-400
12. 1900 -- Jun 30, Fire, Lloyd Steamship Piers, *Main, Bremen, Saale*, Hoboken NJ1734 --300-400
15. 1800 -- Sep 20 (after), USS *Insurgent* disappears after leaving Hampton Roads, VA -- 340
16. 1907 -- Feb 11, *Larchmont* Steamship Hit/Sinks in Blizzard off Block Harbor RI --123-332
17. 1850 -- June 17, Steamer *G.P. Griffith* fire, Lake Erie, 20m off Cleveland, OH --250-325
18. 1944 -- July 17, Munitions Ships explode while loading, Port Chicago, CA1737 --320-325
19. 1854 -- Apr 16, Storm, Packet Ship *Powhatan* sinks off coast of NJ --250-311
20. 1918 -- Mar 04, Last sighting of Collier USS *Cyclops*, off Barbados, Caribbean -- 306
21. 1829-30 -- Brig *Kamehameha* lost, Honolulu HI, Dec 2, for Eromango island --250~300
23. 1853 -- Dec 24-Jan 2, ’54, Troopship *San Francisco* Stricken, Storm, off East Coast --150-300
24. 1854 -- Nov 13, US immigrant ship *New Era* Grounds, Storm, Deal Beach, NJ --240-300
25. 1875 -- Nov 04, Steamship *Pacific* sinks collis. with *Orpheus*, off N. WA Coast --200-300
26. 1988 -- July 3, USS *Vincennes* missile cruiser shoots down Iranian Air 655, Persian Gulf1738 --290
27. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost1739--US 172-192 of 254-277
29. 1866 -- Oct 03, Steamer *Evening Star* Founders, Storm, off Tybee Island, GA --247-261
30. 1856 -- Nov 2, Schooner *Le Lyonnais* Collision, Nantucket Island, MA --120-260
31. 1847 -- Nov 21, Fire, Steamboat *Phoenix*, Sinks, Lake MI, off Sheboygan, WI --160-258
32. 1841 -- Aug 09, *City of Erie* Explosion/Fire, Silver Creek, Lake Erie, 60m ~Buffalo-173-250

1732 Cross-listed in Explosions and in Fire.
1733 “...the steamship Central America, which had been contending for three days with a tremendous tempest off the shore of Virginia...” (New York Times, “The Loss of the Central America.” September 21, 1857)
1734 Cross-listed under Fires, Structural.
1735 Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea. Cross-listed in Explosions.
1736 Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.
1737 Cross-listed under Explosions.
1738 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 the target was a military one representing a threat. Indeed retrieved onboard screen shots demonstrated that the 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 Aviation in that it was a U.S. Navy vessel that caused the disaster.
1739 Cross-listed in Winter Storms (though technically late Fall, the storm itself was winter snow and wind storm).
1740 Cross-listed under Explosions.
33. 1944 -- Sep 13, Hurricane, USS *Warrington* Sinks off coast of FL\(^{1741}\) --247-248
34. 1837 -- May 08, Steamer *Ben Sherrod* Explosion/Fire, MS River, Fort Adams, MS --72-230
35. 1865 -- July 30, Storm, *Brother Jonathan* Grounds & Sinks off Crescent City, CA --146-225
36. 1866 -- Jan 28, Steamer *Miami*, Boiler Explosion, Arkansas River, ~ Napoleon, AR --40-225
37. 1866 -- Feb 2, Steamboat *W.R. Carter* Boiler Explosion, Miss. River, Island No. 98--123-215
38. 1860 -- Sep 18, U.S. Navy Sloop-of-War *Levant* sails SE from Hilo, HI, Lost --150-210
39. 1869 -- Oct 27, Fire, Steamer *Stonewall*, Mississippi River, Tea Table Bar, MO --125-209
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 DE\(^{1742}\) -- >200
42. 1799 -- Sixty Alaskan Native Bidarka’s lost in storm, Hinchinbrook entrance, AK -- 200
43. 1811 -- Dec 16-Feb 7, 1812, New Madrid Earthquakes, Mississippi River boats -- ~200
44. 1838 -- Apr 25, Steamboat *Moselle* Boiler Explosion/Fire, near Cincinnati, OH --81-200
45. 1862 -- July 27, Steamboat *Golden Gate* Burns off Mexican Coast (Manzanilla) --175-200
46. 1864 -- Dec 22, Military Steamer *North America* Sinks, Storm off Coast of FL --197-200

**MARITIME Disasters -- Master Set -- Deadliest American -- By MORTALITY (Con’t)**

1850 -- Sep 20, Barque *Emily* from SF, Cal., lost off Cape St. Lucas, Baja, Mex.\(^{1743}\) -- ~198
47. 1833 -- June-July (esp.), Cholera, esp. Brig *Ajax*, Steamers *Chester & Tobacco Plant*\(^{1744}\) --190
48. 1856 -- Jan 23, Amer. Steamer *Pacific* leaves Liverpool, Sinks, Irish Sea ~Wales\(^{1745}\) -- 186
49. 1870 -- Jan, Steamer *City of Boston* sails from NYC for Liverpool, Lost -- 177
50. 1853 -- Feb 16, Steamer *Independence* hits rock/sinks, Margarita Island, Lower CA--120-172
51. 1851 -- Oct 3-4, Storm, New England Fishing Schooners Lost, ~Prince Edward. Island-- 166
52. 1863 -- Aug 19, Steamer *City of Madison* ammunition Explosion, Vicksburg, MS --50-163
53. 1800 -- Feb 01, U.S. Frigate *Constellation* engagement with French *La Vengeance*\(^{1746}\) -- 160
54. 1858 -- Jun 13, *Pennsylvania* boiler explos./fire, MS Ri., Hardin Pt. ~Austin MS/Helena AR --60-160
55. 1879 -- Feb 20-21, Storm, ~13 Gloucester, MA Schooners Lost, George’s Bank, NF-143-157
56. 1840 -- Jan 13, Steamer *Lexington* Fire/Sinks, Long Island Sound, NY --118-156
57. 1832 -- Apr 9, Steamer *Brandywine* Burns, Miss. River, Brandywine Island, AR --60-155
58. 1895 -- May 27, Storm, *Colima* (SF, CA) Founders off Manzanilla, Mexico -- 153
59. 1849 -- Nov 15, Steamboat *Louisiana* Boiler Explosion, New Orleans, LA --86-150
60. 1864 -- Jul 21, *B.M. Runyan* Snags/Sinks, MS River, Island 84, Gaines Landing, MS--50-150
61. 1865 -- Nov 24, Niagara Sinks, Collis. with *Post Boy*, MS River ~Prairie Point AR --75-150
62. 1898 -- Feb 05, Storm, *Clara Nevada* Grounds/Explodes, ~Eldred Rock, AK --33-150
63. 1829 -- Sep 29, Brig *USS Hornet* Disappears, Gale off Tampa, Caribbean -- 145
64. 1838 -- June 14, Steamer *Pulaski* Boiler Explodes/Sinks off Cape Lookout, NC --100-141

\(^{1741}\) Cross-listed under Hurricane -- subset of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”
\(^{1742}\) Cross-listed under Hurricane, though there is some question that the hurricane was the primary factor.
\(^{1743}\) Later reports deny this event happened. It is not included in our numbers – listed to show it is nor an oversight.
\(^{1744}\) 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.
\(^{1745}\) 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.
\(^{1746}\) Cross-listed in Violence-Attack.
65. 1901--Feb 22, *City of Rio de Janeiro* Grounds/Sinks, Fog, Fort Point, SF Bay CA\textsuperscript{1747}--127--140

**MARITIME Disasters -- Master Set -- Deadliest American -- By MORTALITY** (Cont.)

67. 1934 -- Sep 08, S.S. *Morro-Castle* Ship Fire, off Coast of Sea Girt, NJ --126-137
68. 1841 -- Mar 11, Steamer *President* sails from New York, not heard from again -- 136
69. 1906 -- Jan 22, Storm, *Valencia* Grounds/Sinks south side Vancouver Island, BC --117-136
70. 1852 -- Apr 09, Steamboat *Saluda* Boiler Explosion, Missouri Riv., Lexington, MO --37-135
71. 1815 -- Aug 08, Last sighting of Sloop-of-War USS *Epervier*, Lost, Atlantic Ocean -- 134
72. 1967 -- July 29, USS *Forrestal*, Rocket Explosion and Fire, Gulf of Tonkin ops. -- 134
73. 1705 -- Dec 19-21, Privateer *Castle Del Rey*, Grounds/Breaks-up, Sandy Hook, NJ -- 132
74. 1838 -- Apr 21, Steamer *Oronoko* Flue Collapse/Explos., Miss. River, Princeton, MS-50-130
75. 1851 -- Jan 27, Steamboat *John Adams* Snags/Sinks, Miss. River, ~Greenville, MS --100-130
76. 1963 -- Apr 10, USS *Thresher* Submarine Sinks, Implosion -- 129
77. 1873 -- Aug 24, “Nova Scotia” Hurricane Sinks Fishing Fleet from Gloucester MA\textsuperscript{1748}-- 128
78. 1915 -- May 07, RMS *Lusitania* Torpedoed, German Sub (1,198 killed)\textsuperscript{1749} -- 128
79. 1893 -- Oct 1-2, Hurricane Cheniere Caminanda, Gulf Coast, LA, MS, AL\textsuperscript{1750} --123-127
80. 1919 -- Sep 9-10, Hurricane, *Corydon*, *Grampus*, *Larimer*, *Lake Conway*, *Munisla* lost -- 127
81. 1871 -- July 30, Staten Island Ferry *Westfield II* Boiler Explosion, NY Harbor, NY --86-126
82. 1865 -- Aug 09, *Pewabic* collides with *Meteor*, Sinks, Lake Huron, off Alpena, MI --32-125
83. 1862 -- Feb 24, Blow of 1862, 15 Gloucester MA Boats Lost, Georges Bank -- 122
84. 1888 -- Mar 11-14, East Coast “Blizzard of 1888,”\textsuperscript{1751} Maritime Loss component -- 121
85. 1912 -- Apr 14, RMS *Titanic* Hits Iceberg/Sinks (1,517 total fatalities\textsuperscript{1752}) Atlantic -- 119
86. 1837 -- Jan 2, Barque *Mexico* Grounds, Hempstead Beach, S. Shore Long Island, NY --116
87. 1941 -- Oct 31, USS *Reuben James* Sunk, German Submarine, near Iceland\textsuperscript{1753} -- 115
88. 1883 -- Nov 12-14, Gales, nine Gloucester, MA Fishing Schooners lost, Georges Bank-- 114
89. 1944 -- Jan 06, USS *St. Augustine & Camas Meadows* Collide off Cape May, NJ -- 115
90. 1908 -- Sep 20, Ship *Star of Bengal* Grounds, Coronation Island, AK -- 112
91. 1800 -- Sep, Revenue Cutter Brig USS *Pickering* Lost, Gale/Hurricane off FL\textsuperscript{1754} --70-105
92. 1878 -- Jan 31, Steamer *Metropolis* Wrecks, gale, south of Jones Hill Station, NC --85-104
93. 1868 -- Apr 9, Sidewheel *Sea Bird* Burns/Sinks, Lake Mich., off Waukegan, IL --67-103
94. 1877 -- Nov 24, Storm, Navy warship USS *Huron* Grounds, Nags Head, NC --83-103
95. 1884 -- Jan 18, *City of Columbus* hits Devil’s Bridge reef, ~Martha’s Vineyard, MA --97-103
96. 1954 -- May 26, Explosions/Fire, U.S. Carrier *Bennington*, off Quonset Point, RI -- 103
97. 1778 -- Dec 26-27, Blizzard, New Eng., esp. MA and RI, brig *Arnold*, sloop *Stark* -- 101
98. 1822 -- May 8-July 24,\textsuperscript{1755} Yellow Fever, U.S. Frigate *Macedonian*, Caribbean -- 101

\textsuperscript{1747} Cross listed in Fog as a Contributing Factor.
\textsuperscript{1748} Cross-listed here as a subset of Hurricane (total fatalities >600).
\textsuperscript{1749} Though a British boat, 128 U.S. citizens were killed; considered a disaster at the time.
\textsuperscript{1750} 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.
\textsuperscript{1751} Cross-listed in Winter Storms – Nor’easters
\textsuperscript{1752} Of the 1,517 fatalities, 119 were U.S. citizens. The Titanic was headed for New York. (J.R. Henderson)
\textsuperscript{1753} Cross-listed in Violence (Attack) – Member of Neutrality Patrol, prior to Pearl Harbor, declarations of war.
\textsuperscript{1754} Cross-listed in Hurricanes.
\textsuperscript{1755} The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.
99. 1880 -- Oct 15/17, Sidewheel Steamer *Alpena* Sinks, Lake MI Stm., ~Holland, MI  -57-101

**MARITIME Disasters -- Master Set -- Deadliest American -- By MORTALITY** (Con’t)

100. 1700 -- Sep 14, Hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston SC\(^{1756}\)--100
101. 1837 -- Oct 09, Storm, Steamship *Home* Shipwrecks at Ocracoke Island, NC\(^{1757}\) --90-100
102. 1844 -- Jan 03, Steamboat *Shepherdess* Snags/Sinks, 3M No of St. Louis, MO  --57-100
103. 1844 -- Oct 23, *Lucy Walker* boiler explosion/fire, Ohio River, ~New Albany IN --18-100
104. 1847 -- Nov 19, *Talisman* collides *Tempest*, sinks, MS Ri., Cape Girardeau, MO  40-100
105. 1850 -- Dec 13, Steamer-Tug *Anglo-Norman* Boiler Explos., ~New Orleans, LA  20-100
106. 1851 -- Sep 28, Steamer *Brilliant* Boiler Explos., Miss. River, Bayou Goula, LA  90-100
107. 1856 -- Sep 24, Sidewheel *Niagara* Burns/Sinks, Lake MI, off Port Washington WI  100
108. 1857 -- Nov 18, Storm, ~Twenty Coal Boats Sink, OH and MS Rivers ~Cairo IL -- ~100
109. 1859 -- Feb 27, Steamer *Princess* Boiler Explos./Fire, MS Riv., ~Baton Rouge, LA-70-100
110. 1865 -- Aug 21, USS *Bainbridge* Capsizes, Hurricane, off Cape Hatteras, NC  80-90
111. 1867 -- Jan 18, Steamer *Platte Valley* hits submerged wreck near Memphis, TN  60-100
112. 1868 -- Dec 4, Steamers *United States* & *America* collide, OH Riv. ~Warsaw, KY--59- 100
113. 1871 -- Jan 28, Steamboat *W. R. Arthur* Boiler Explosion,, near Memphis, TN  60-87
114. 1872 -- Oct 33, Screw Steamer *W. R. Arthur* Boiler Explosion,, near Memphis, TN  50-87
115. 1875 -- Oct 06, Storm, Emigrant (Irish) Ship *Saint John*, Wrecks, Scituate, MA  -- 99
116. 1876 -- Jan 30, Steamboat *Missouri* Boiler Explosion, Ohio Riv. near Newburg, IN --60-100
117. 1877 -- Jan 18, Steamer *Platte Valley* hits submerged wreck near Memphis, TN  60-100
118. 1878 -- Dec 4, Steamers *United States & America* collide, OH Riv. ~Warsaw, KY--59- 100
119. 1880 -- July 13, Severe Storm, Steamer *Sea Wing* Capsizes, Lake Pepin, MN  --97-100
120. 1881 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome AK\(^{1758}\) >100
121. 1885 -- Oct 06, Storm, Emigrant (Irish) Ship *Saint John*, Wrecks, Scituate, MA  -- 99
122. 1886 -- Jan 30, Steamboat *Missouri* Boiler Explosion, Ohio Riv. near Newburg, IN --60-100
123. 1887 -- Nov-Dec (esp.), Cholera, East Coast, Mississippi and Ohio river boats\(^{1759}\) -- >95
124. 1888 -- Sep 29-Oct, Navy Transport *Leviathan*, Influenza Epidemic, Atlantic Ocean -- 91
125. 1889 -- Dec 15, Winter Gale, Maritime losses, MA coast/harbors, esp. Gloucester\(^{1760}\) 64-90
126. 1890 -- July 13, Severe Storm, Steamer *Sea Wing* Capsizes, Lake Pepin, MN  --97-100
127. 1891 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome AK\(^{1758}\) >100
128. 1892 -- Oct 33, Screw Steamer *W. R. Arthur* Boiler Explosion,, near Memphis, TN  60-87
129. 1893 -- Oct 33, Screw Steamer *Missouri* Fire off Abaco Light, Lucaya, Bahamas  --50-87

\(^{1756}\) Cross-listed in Hurricanes.
\(^{1757}\) Cross-listed in Hurricanes.
\(^{1758}\) 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.
\(^{1759}\) We do not know actual number, but speculate is was very much in access 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).
\(^{1760}\) Cross-listed in Winter Storms.
\(^{1761}\) Cross-listed in Hurricanes.
131. 1781 -- Mar 18, Gale, Continental Sloop Saratoga Lost off the Bahamas\textsuperscript{1762} -- ~ 86
132. 1907 -- Jul 21, Collision, Steamer Columbia & San Pedro, off Shelter Cove, CA\textsuperscript{1763} --80-86
133. 1943 -- June 1, Collision, MM John Morgan, Tanker Montana, Cape Henry VA -- 86
134. 1982 -- Feb 15, Storm, Ocean Ranger oil rig sinks, Grand Banks, Canada\textsuperscript{1764} --84 (15 US)
135. 1852 -- Apr 03, Steamer Glencoe Boiler Explosion, St. Louis, MO --60-83
136. 1868 -- Mar 18, Steamer Magnolia Boiler Explos./Fire, OH Riv., ~Cincinnati OH --35-83
137. 1778 -- Dec 25, Stm., Brig. General Arnold Grounds, White Flats, Plymouth Bay MA-- 81
138. 1813 -- Aug 8, Schooners USS Hamilton & Scourge Capsize, Squall, Lake Ontario -- >80
139. 1844 -- Mar 01, Collision, Buckeye/De Soto MS River, near Atchafalaya, LA --50-80
140. 1847 -- Dec 29, Steamer A.N. Johnston Boiler Explosion, Ohio Riv., ~Maysville KY-60-80
141. 1855 -- Jan 27, Steamer Pearl Boiler Explos., Sacramento River, Marysville, CA --40-80

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

142. 1929 -- Aug 29/30, Steamer San Juan hit by S.C.T. Dodd, sinks off Pigeon Pt. CA --71-78
143. 1976 -- Oct 20, Tanker Frosta hits Ferry George Prince, Lower Miss. River, LA -- 77
144. 1845 -- Dec 18/19, Steamer Belle Zane Snags/Capsizes, MS River, Island No. 75 --30-76
145. 1862 -- Aug 13, USS George Peabody & West Point Collide, Potomac River, VA --70-76
146. 1903 -- Sep 15-17, Maritime Component, Mid-Atlantic Coast Hurricane\textsuperscript{1765} --90-107
147. 1857 -- Nov 21, Steamer Rainbow fire/sinks, MS Ri., Victoria Bend, Napoleon AR --20-75
148. 1862 -- Feb 27, Steamboat Prince Snags and Sinks, Miss. River, near Hickman, KY--74-75
149. 1864 -- Feb-Mar (esp. Mar 22), 8 Gloucester, MA Fishing Schooners Lost at Sea --74-75
150. 1871 -- Jan 14, Steamboat T.L. McGill Burns, Miss. River, Sho-Fly Bar, MS --15-75
151. 1871 -- Aug 27, Steamboat Ocean Wave Boiler Explos., Point Clear ~Mobile, AL --34-75
152. 1873 -- Aug 08, Steamer Wawaseter Burns, Potomac River, off Aqua Creek, VA --13-75
153. 1893 -- Oct 13-14, Great Lakes Storm, Dean Richmond, Wocoken, others, lost --65-73
154. 1969 -- June 3, Collision, USS Frank E. Evans/Carrier Melbourne, S. China Sea -- 73
155. 1857 -- Mar 13, Schooner Kamamalu sails from Honolulu for Hilo, Lost --70-72
156. 1870 -- Oct 20, Hurricane, Steamer Varuna Capsizes, 35m NE Jupiter Inlet, FL\textsuperscript{1766} --36-72
157. 1932 -- Sep 09, Explosion & Fire, Steam Screw Observation, East River, NY -- 72
158. 1849 -- Early May--May 10, Cholera, Steamer Monroe, St. Louis to Jefferson City\textsuperscript{1767} --63-70
159. 1850 -- Mar 4, Steamer Orline St. John Burns, AL Riv. ~Bridgeport Landing, AL --30-70
160. 1850 -- Apr 28, Steamer General Anthony Wayne Explosion, Lake Erie, OH --30-70
161. 1852 -- Cholera, esp. MS/OH Rivers, Steamers Midas/17 and Philadelphia/43 (Atlantic)>70
162. 1859 -- Apr 24 sidewheel St. Nicholas boiler explos./fire, Helena Isl. (No. 60) AR --50-70
163. 1872 -- Aug 30, Propeller Metis hits Sch. Nettis Cushing, sinks off Watch Hill, RI --20-70


\textsuperscript{1763} Cross listed in Fog as a Contributing Factor.

\textsuperscript{1764} Sixty-eight Canadians, one Englishman, and fifteen Americans

\textsuperscript{1765} Cross-listed in Hurricanes (total life lost, 125) – includes Sch. George F. Edmunds (15 lives lost)

\textsuperscript{1766} Cross-listed under Hurricanes.

\textsuperscript{1767} 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.
164. 1875 -- Nov 9, Steamship *City of Waco* Burns, off Galveston Bar, TX -- 49-70
165. 1883 -- May 03, American Steamer *Grapples*, Puget Sound to Alaska, Burns, off BC -- 70
166. 1901 -- Aug 14, Steamer *Islander* hits Iceberg, off Douglas Island, near Juneau, AK -- 42-70

**MARITIME Disasters – Master Set – Deadliest American – By MORTALITY (continued)**

167. 1869 -- Feb 12, Steamer *Mittie Stephens* fire, Caddo Lake ~Swanson’s Landing TX -- 61-69
168. 1880 -- Aug 28, *City of Vera Cruz* Sinks in Hurricane off Mosquito Inlet, FL
170. 1918 -- May 03, Steamship *City of Athens* Sinks in Collision off Coast of DE -- 67
171. 1857 -- May 31, Steamboat *Louisiana* Burns, off Galveston, TX -- 65
172. 1846 -- Sep 19, Gale, 11 Fishing Schooners Lost, out of Marblehead, MA -- 65
173. 1867 -- Feb 17, Steamer *David White* Boiler Explos., MS River, Pt. Chicot, MS -- 65
174. 1914 -- Sep 18, Steamer *Francis H. Leggett* Founders, Storm, off Coast of OR -- 65
175. 1902 -- Apr 20, Steamer *City of Pittsburg* Fire, OH Riv., ~Ogden’s Landing, KY -- 64
176. 1815 -- Jan 17, Steam Ferry *New Jersey* Fire,, Delaware Ri., Philly to Camden, NJ -- 60
177. 1851 -- Mar 2, Steamboat *Oregon* Boiler Explos./Fire, Island No. 82, MS River, MS -- 60
178. 1851 -- May 02, Cincinnati Steamer *Webster* Burns, MS Riv., Kentucky Bend KY -- 59
179. 1854 -- Jan 28, Steamboat *Georgia* Fire, Lake Pontchartrain, LA -- 59
180. 1867 -- Jan 17, Steamer *John Raine* Burns, Mississippi River, Greeneville, MS -- 59
182. 1856 -- Jul 17, *Northern Indiana* Burns, L. Erie (Buffalo-Toledo) ~Pt. Pelee, Ont. ‘ -- 58
183. 1918 -- Fall/Winter, Cruiser *Pittsburgh*, Influenza Epidemic, Rio de Janeiro Brazil -- 58

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1768 Cross-listed in Hurricanes.
1769 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.
1770 There are conflicting reports as to the exact date as well ambiguity in others, but it would appear that June 16th is the correct date.
200. 1926 -- Dec 20, Motor Launch *Linseed King* hits Ice, Sinks, Hudson River, NYC --35-58

**MARITIME Disasters -- Master Set -- Deadliest American -- By MORTALITY (Cont.)**

202. 1921 -- Mar 21, Ocean-going Tug USS *Conestoga* leaves Mare Island, CA, Lost -- 56
204. 1842 -- July 3, Steamboat *Edna* Boiler Explos., near Mouth of MO River, MO -- 55
206. 1913 -- March 7, Harbor/Ship (*Alum Chine*) dynamite explosion, Baltimore, MD1771 -- 55
207. 1918 – Sep 20-Oct 2, Navy Transport *America*, Influenza Outbreak, Atlantic/France-- 55
208. 1925 -- Aug 18, Steamer *Mackinac* Boiler Explosion, Narragansett Bay, RI --47-55
210. 1878 -- Oct 21-24, Hurricane, Maritime Loses, NC, VA, MD, DE, PA, NJ, CT1772 -- 54
211. 1848 -- Aug 12 , Steamer *Edward Bates*, Boiler Explosion, MS Riv., Hamburg, IL --40-53
212. 1851 -- Feb?, Steamboat *Arkansas*, Tallapoosa River, Mobile to Wetumpka, AL -- 52
213. 1904 -- Jan 8, Storm, Steamer *Clallam* Sinks, San Juan de Fuca Straits, WA -- 52
214. 1929 -- Oct 22, Rail Car Carrier *Milwaukee* Sinks, Lake MI Storm ~Kenosha, WI --46-52
215. 1840 -- May 7, Steamboat *Hinds* sunk, Tornado, Natchez, MS1773 -- 51
216. 1819 -- Nov 7-9, Baltimore MD Steamer *Polar Land* founders off Scatarie Isl. NS -- 51
217. 1856 -- Dec 25, *Andrea Doria* and *Stockholm* collide, Fog off Nantucket Isl., MA1774 -- 51
218. 1820 -- Jan 11, Last sighting of Schooner USS *Lynx*, St. Mary’s, GA to Jamaica -- 50
219. 1837 -- Dec 27, *Black Hawk* Boiler Explos./Fire, MS River, Black Hawk Pt., LA --30-50
220. 1845 -- July 1, Steamboat *Marquette* Boiler Explosion, New Orleans, LA --13-50
221. 1846 -- Nov 21, Steamers Collide, *Maria* Sinks, Miss. River, near Natchez, MS --30-50
222. 1848 -- May 27, Boiler Explosion, Steamer *H. Kenney*, Tombigbee River, AL -- 8-50
223. 1848 -- Dec 22, Cholera, Steamboat *Peytona* arrives at Louisville from New Orleans1775 -- 50
224. 1849 – sometime after Apr 21, Cholera on Steamboat *Mary*, MS Riv. before St. Joseph- 50
225. 1850 -- Oct 29, Steamboat *Sagamore* Boiler Explosion, San Francisco, CA --20-50
226. 1854 -- Apr 15, Steamer *Secretary* Explosion, SF Bay, ~ San Pablo Bay, CA -- 50
229. 1860 -- June 24, Steamer *Ben. W. Lewis* Boiler Explosion, Cairo, IL --23-50
230. 1874 -- Aug 5, Steamboat *Pat Rogers* Burns, Ohio River below Aurora, IN --47-50
231. 1880 -- June 11, Steamer *Narragansett* hit/burns/sinks, Fog, off Saybrook, CT1776 --27-50
232. 1880 -- June 28, Stmr. *Seawanahaka* Explodes/Burns, East River, Randall’s Isl., NY --24-50
233. 1887 -- Oct 29, Steamer *Vernon* Founders, Lake MI. Storm, off Sheboygan, WI --30-50

1771 Cross-listed in Explosions.
1772 Land & Maritime losses cross-listed in Hurricane.
1773 Cross-listed in Tornado. 586 people estimated to have been killed due to this tornado.
1774 Cross-listed in Fog as a Contributing Factor. The *Andrea Doria* was an Italian liner and the *Stockholm* was Swedish. Noted herein because the collision occurred in U.S. waters. 46 passengers died on the *Andrea Doria* and 5 sleeping crewmen died on the *Stockholm*.
1775 McClellan in his *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.
1776 Cross-listed under Fog as a Contributing Condition.
235. 1915 – Aug 16-17, Dredgeboat *Sam Houston* Grounds, Hurricane, Highland, TX\(^{1777}\) -- 50

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

236. 1915 – Apr 03, Shipwreck, Steamer *Prinz Mauritius*, off Cape Hatteras, NC -- 49
237. 1947 – Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Isl., BC\(^{1778}\)-- 49
238. 1865 – Dec 26-27, fog, Steamer *Constitution* grounds, Cape Lookout shoals, NC\(^{1779}\)--30-48
239. 1924 – Jun 12, Battleship *USS Mississippi* Gun Turret Cordite Fire off San Pedro, CA -- 48
241. 1916 – May 09, Steamer *Roanoke* Founders off Point Buchon, CA --45-47
242. 1947 – Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Isl., BC -- 49
243. 1865 – Dec 26-27, fog, Steamer *Constitution* grounds, Cape Lookout shoals, NC --30-48
244. 1924 – Jun 12, Battleship *USS Mississippi* Gun Turret Cordite Fire off San Pedro, CA -- 48
246. 1947 – Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Isl., BC -- 49
248. 1865 – Dec 26-27, fog, Steamer *Constitution* grounds, Cape Lookout shoals, NC --30-48
249. 1924 – Jun 12, Battleship *USS Mississippi* Gun Turret Cordite Fire off San Pedro, CA -- 48
251. 1947 – Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Isl., BC -- 49

\(^{1777}\) Cross-listed in Hurricanes as a subset. There were 275-352 total fatalities.

\(^{1778}\) Part of Canadian Graham Island group just south of southern point of Alaska’s Alexander Archipelago.

\(^{1779}\) Cross-listed in Maritime.

\(^{1780}\) Cross-listed in Fog as a Contributing Condition.

\(^{1781}\) Cross-listed in Fog as a contributing factor and in Rail.

\(^{1782}\) Cross-listed under Hurricane.

\(^{1783}\) Cross-listed in Fog as a Contributing Condition.
272. 1811 or 12 -- Oct 05, USS Gun Boat # 2, Sinks in Gale off St Mary’s GA -- 40
273. 1829 -- Jun 4, Magazine Explos., Steam Frigate Fulton, Navy Yard, Brooklyn -- 24-40
274. 1833 -- Nov, Steamship Caspian Burns, near Mouth of Red River, LA -- 25-40
275. 1833 -- Oct 31, Steamer St. Martin Burns, Mississippi River, Donaldsonville, LA -- 30-40
276. 1835 -- May 15, Steamboat Majestic boiler collapse/explosion, Memphis TN -- 38-40
277. 1842 -- Oct 8, S.B. Eliza Snags/Sinks, MS Ri. ~5m above mouth OH Ri, IL Shore -- 30-40
278. 1845 -- Apr 07, Steamer Swallow Grounds, Hudson River, near Athens, NY -- 15-40
279. 1845 -- Dec 11, Steamer Caspian Snags/Sinks, MS Riv., Island No. 25, AR -- 40
280. 1850 -- Jan, Steamboat Dove, Cholera, Ouachita River, AR and LA -- 30-40
281. 1850 -- Dec 17, Steamboat South America Burns, MS River, near Bayou Sera, LA -- 27-40
282. 1852 -- Jan 25, Steamboat De Witt Clinton Snags, near Memphis, TN -- 36-40
283. 1852 -- Apr 03, Steamer Redstone Boiler Explosion, Ohio River ~Carrolton, KY -- 14-40
284. 1852 -- July 05, Steamer St. James Explodes Lake Pontchartrain, LA -- 30-40
286. 1870 -- Dec 18, Nick Wall Snags/Sinks Miss. River, ~Napoleon, AR & Princeton, MS -- 39
287. 1886 -- Nov 12, Last sighting of Whaling Bark Amethyst of SF, CA on Arctic Trip -- 40
288. 1886 -- Dec 13, Steamer J. M. White, Fire & Explosions, near Point Coupée, LA -- 15-40
289. 1887 -- Nov 17-19, Northeaster, Lake Superior, Thirty Shipwrecks -- ~ 40
290. 1888 -- Feb 27, Ferryboat Julia, Boiler Explosion/Fire, South Vallejo, CA -- 30-40
291. 1903 -- Nov 1, Storm, Steamer Discovery founders (all lost), off SE AK Coast -- 26+40
292. 1920 -- Apr 18, Storm Steamer William O’Brien, NYC, Lost in Atlantic -- 40
293. 1927 -- Dec 17, Sub USS S-4 struck, CG Paulding ~ Provincetown, MA -- 40

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

295. 1851 -- Nov 27, Archer collision/sinks, Upper MS, Enterprise Isl. near Grafton IL -- 28-39
297. 1870 -- Dec 18, Nick Wall Snags/Sinks Miss. River, ~Napoleon, AR & Princeton, MS -- 39
298. 1886 -- Nov 15-18, Great Lakes Region Storm, Maritime Disaster -- 39
299. 1906 -- Nov 21-22, Great Lakes Storm, U.S. and Canadian losses (esp. maritime) -- 38-39
300. 1913 -- Jan 1-25, Steamer El Dorado Lost, from Sparrow Point MD to Galveston -- 39
301. 1951 -- Apr 20, Esso Greensboro/Esso Suez Collide in Fog, Gulf of Mexico -- 39
302. 1953 -- Oct 16, Carrier USS Leyte explos./fire, S. Boston Naval Yard, Boston MA -- 37-39
303. 1963 -- Feb 04, SS Marine Sulphur Queen Lost off coast of FL -- 39
304. 1972 -- Feb 1, Gas explosion (lightning?), Tanker V.A. Fogg, off Galveston, TX -- 39
305. 1860 -- Jan 5, Steamer Northerner hits rock off Centerville Beach, S of Humboldt Bay CA-33-38
306. 1862 -- Fall, esp., Yellow Fever, especially U.S. Frigate St. Lawrence (29) -- 38
307. 1878 -- Dec 10, Steamer Emily B. Souder Founders, Storm, off Cape Hatteras, NC -- 36-38
308. 1900 -- Aug 7, Storm, Maritime Disaster, Nome and vicinity, AK -- 38
309. 1918 -- Early Oct, Navy Transport Siboney, Influenza Epidemic, Atlantic Ocean -- 38
310. 1919 -- Dec 18, Steamer J.A. Chanslor Hits Rocks, Wrecks, off Cape Blanco, OR -- 38
311. 1806 -- Aug 21-24, Hurricane, Carolinas coastal/maritime, Rose in Bloom upset, NJ -- 37

1784 Cross-listed in Explosions.
1785 Cross-listed in Fog as a Contributing Condition.
1786 Cross-listed in Lightning and Explosions.
1787 Cross-listed in Hurricanes. Majority of deaths were maritime (21 from Rose In Bloom off Barnegat Inlet NJ, alone). Sources note 42 deaths. We 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.

1788 These fatalities are part of the 391 attributed to the “Great Atlantic Hurricane.”

1789 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.

1790 Cross-listed in Violence -- Attacks.

1791 There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

MARITIME Disasters Master Set – Deadliest American – By MORTALITY (continued)
1898 -- Jan 31-Feb 1, Storm, Maritime Fatalities, MA Coast, esp. Gloucester area --17-35
1921 -- Oct 24, Last com. with Oil Tanker *Santa Rita*, New Orleans to Italy, Lost -- 35
1924 -- Mar 11, Shipwreck, Ward Line Steamer *Santiago*, off Hatteras, NC --25-35
1926 -- Apr 08, *Silvanns/Thomas H. Wheeler* Collide, Pointe A La Hache, LA -- 35
1941 -- Aug 18, Fire, Pier 27, spreads to Freighter *Panuco*, burns/sinks, Brooklyn NY-34-35
1980 -- May 9, *Summit Venture* hits Sunshine Skyway Bridge, Collapse, Tampa FL

**MARITIME Disasters -- Master Set -- Deadliest American-- By MORTALITY (Cont.)**

353. 1841 -- Steamer *Carolina* snags, Mississippi River, Osceola, AR -- 34
354. 1848 -- Dec, Cholera, esp. MS River steamers Paytona/14, Mohawk/6, Fashion/5 -- 34
355. 1851 -- Feb 09, *Autocrat/Magnolia* Collide ~Butler’s Plantation, Iberville Par. LA --10-34
356. 1861 -- Feb, Gloucester MA Schrs. *Sweepstakes, Young, Stanwood, White Swallow* lost- 34
357. 1863 -- Aug 28, Steamer *Sunbeam* Sinks, Lake Sup. Storm, ~Keweenaw Pt., MI --25-34
358. 1865 -- Oct 25, Steamer *Republic* (former USS *Tennessee*) Founders ~Savannah, GA-- 34
359. 1866 -- Jan 8-10, Gale, Coast of NJ, NY and New England, Maritime Losses -- 34
360. 1886 -- Oct 5, Flue Collapse/Fire, Steamer *La Mascotte*, Neely’s Landing, MO -- 34
361. 1888 -- Aug 22, Fog, Steamers *Oceanic & City of Chester* Collide, San Fran.1793 --10-34
362. 1898 -- May 22, Seattle Schooner *Jane Grey*, leaks, sinks, W of Cape Flattery, WA -- 34
363. 1904 -- Apr 13, Battleship *Missouri*, Magazine Explosion, off Pensacola, FL1794 --32-34
364. 1916 -- Dec 26, Steamer *Maryland* Lost, Atlantic, 300 miles off NY --26-34
365. 1932 -- Sep 27, Steamer *Nevada* hits rock off Aleutian Island Amatignak, AK -- 34
366. 1859 -- Dec 18, Ship *Silas Holmes* Founders vicinity of Florida Keys, FL -- 33
367. 1861 -- Nov 21-24, Storm, Buffalo NY Steamer *Keystone State* Sinks, Lake Huron --20-33
368. 1864 -- Apr 15, Steamer *Chenango* Boiler Explos. NY Harbor ~Ft. Richmond NY --30-33
369. 1887 -- July 10, Overloaded Sloop Yacht *Mystery* Capsizes, Canarsie Bay, LI, NY --24-33
370. 1888 -- Dec 23, Steamer *Kate Adams* Burns, MS River, Commerce Landing, MS --14-33
371. 1887 -- Dec 23, Steamship *Matteawan* lost off West Coast -- 33
372. 1890 -- Mar 15, Tug USS *Nina* Lost, presumably Gale off Chesapeake Capes VA1795 -- 33
374. 1901 -- Dec, Steamship *Matteawan* lost off Cape Hatteras, NC1796 --32-33
375. 1894 -- Sep 12, USS *YMS-409* Minesweeper founders off Cape Hatteras, NC1796 --32-33

1792 Cross-listed in Structural Failure, Bridge Collapse and in Road/Highway.
1793 Cross listed in Fog as a Contributing Factor.
1794 Cross-listed under Explosions.
1795 *Lowell Sun* (MA) gives the date Feb 6, 1910 in “Shipping Disasters: Summary of the Accidents That Occurred Last Year,” March 21, 1910.
1796 Cross-listed in Hurricanes, as part of subset of 390-412 deaths in Sep 9-15 “Great Atlantic Hurricane of 1944.”
1958 -- Nov 18, MI Freighter *Carl D. Bradley* Sinks in Lake MI Storm, MI -- 33
2015 -- Oct 1, U.S. cargo ship *El Faro* sinks / Hurricane Joaquin, off east Bahamas

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

385. 1846 -- Dec 08, Storm, U.S. Naval Brig *Somers* Capsizes off Vera Cruz, Mexico --30-32
386. 1853 -- Apr 11, Steamship *Jenny Lind* Boiler Explosion, Alviso to SF, CA -- 31
387. 1859 -- Oct 1, Battleship *New Hampshire* Launch Capsizes, Hudson River, NY -- 23-31
388. 1866 -- Apr 26, Steamer *Car of Commerce* Boiler Explos., Canadian Reach, AR -- 30
389. 1871 -- Oct 15, *Coburn* Sinks, Lake Huron Storm, near Pointe aux Barques, MI -- 32
390. 1872 -- Dec 26, Storm, bark *Kadosh* wrecked, ship *Peruvian* lost, MA coast -- 32
391. 1883 -- Sep 7-9, GA and SC Hurricane (>500 deaths land and sea) -- >30
392. 1892 -- Sep 1, Storm, *Western Reserve* Sinks off Sable Banks, ~Deer Park, MI -- 26-31
393. 1896 -- Mar 6-7, Gale, Gloucester Schrs. *Price, Porter, & Woodbury* lost, Georges Bk.--31
394. 1899 -- Sep 9, *Pere Marquette 18* springs leak/sinks, Lake MI, 20 M off Sheboygan WI --33
395. 1900 -- May 13, Storm, *Marine Electric* (34 crew) capsizes/sinks off Chincoteague, VA --31
397. 1906 -- Apr 21, Steamship *Jenny Lind* Boiler Explosion, Alviso to SF, CA -- 31
398. 1914 -- Jan 04, Steamer *Oklahoma* breaks-up/sinks/rough sea, ~Sandy Hook, NJ --26-32
399. 1917 -- Sep 03, Bark *Alice Knowles* Founders 200 Miles Northeast of Bermuda -- 31
400. 1934 -- Nov 9, Schooner *John R. Manta* lost after sailing from Providence, RI -- 31
401. 1948 -- Aug 17, Steamer *State of California* hits rock, Gambier Bay, Admiralty Is. -- 31
402. 1958 -- Nov 18, MI Freighter *Carl D. Bradley* Sinks in Lake MI Storm, MI -- 33
403. 1979 -- Nov 1, tanker *Burmah Agate* collides with freighter *Mimosa*, Galveston, TX-- 32
404. 1983 -- Feb 12, Gale, collier *Marine Electric* (34 crew) capsizes/sinks off Chincoteague, VA

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1797 Cross-listed in Hurricanes. There were twenty-eight U.S. nationals and five Polish nationals.
1798 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.”
1799 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.
1800 We include two fatalities from the *Pere Marquette 17* while trying to perform rescues.
1801 We do not know, and do not think it is 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.
449. 1845 -- Oct 27, Steamer Plymouth collides (Lady Madison), OH Ri. ~Shawneetown, IL -- 20-30
450. 1846 -- Feb 13/14, Steamers Congress & Saladin Collide, MS Riv. KY Bend, KY -- 15-30
451. 1846 -- Jun 27, Brig Sutley, Pictou N.S. to Fall River Wrecks, Vineyard Sound MA -- 30
452. 1848 -- Jan 8, Blue Ridge Boiler Explosion, OH Ri., Raccoon Is., ~Gallipolis, OH -- 11-30
453. 1848 -- Nov 21, Steamer Wyandotte Snags/Sinks, MS River, above Vicksburg MS -- 30
454. 1850 -- Nov 21, 25 or 26, Steamer Antoinette Douglas Boiler Explos., AL Riv., AL -- 9-30
455. 1852 -- Jan 14, Steamer George Washington Boiler Explos./Fire, Grand Gulf, MS -- 16-30
456. 1854 -- Mar 27, Steamer Sutley, Pictou N.S. to Fall River Wrecks, Vineyard Sound MA -- 30
457. 1856 -- Jan 8, Blue Ridge Boiler Explosion, OH Ri., Raccoon Is., ~Gallipolis, OH --11-30
458. 1856 -- Nov 21, Steamer Wyandotte Snags/Sinks, MS River, above Vicksburg MS -- 30
459. 1858 -- Feb 05, Steamer Belle Boiler Explosion, nine miles above Sacramento, CA -- 15-30
460. 1856 -- Aug --10, Steamer Nautilus Founders, Hurricane off LA Coast -- 1802
461. 1860 -- Aug 4, Steamboat Rob't. E. Lee Burns, Mississippi River, Yucatan Landing, MS -- 30
462. 1862 -- Oct 04, Steamer San Sabo hits log/sinks, 15 miles SW of Barnegat, NJ -- 1804
463. 1875 -- Apr 23, Steamers Exporter, Charles Bodman, Kyle Burn, New Orleans, LA -- 30
464. 1876 -- Jan 30, WPA Worker Barge Sinks, Birds Pt./New Madrid Spillway, MO -- 26-30

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

437. 1834 -- Cholera, Steamboats Champion (8), Chicago (2), and Kentuckian (18) -- 29
438. 1848 -- Jan 8, Blue Ridge Boiler Explosion, OH Ri., Raccoon Is., ~Gallipolis, OH -- 11-30
439. 1854 -- Mar 27, Steamer Monroe hits log/sinks, MS Ri., just north of Natchez, MS -- 17-30
440. 1854 -- Sep 30, SS Yankee Blade Capsizes on Reef, Fog, near Pt. Arguello CA -- 15-30
441. 1856 -- Feb 05, Steamer Belle Boiler Explosion, nine miles above Sacramento, CA -- 1803
442. 1856 -- Aug --10, Steamer Nautilus Founders, Hurricane off LA Coast -- 1803
443. 1860 -- Aug 4, Steamboat Rob't. E. Lee Burns, Mississippi River, Yucatan Landing, MS -- 30
444. 1862 -- Oct 04, Steamer San Sabo hits log/sinks, 15 miles SW of Barnegat, NJ -- 1804
445. 1875 -- Apr 23, Steamers Exporter, Charles Bodman, Kyle Burn, New Orleans, LA -- 30
446. 1876 -- Jan 30, WPA Worker Barge Sinks, Birds Pt./New Madrid Spillway, MO -- 26-30

1802 Cross listed in Fog as a Contributing Factor.
1803 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.
1804 Cross-listed in Violence-Attack.
452. 1901 -- Aug 28, *City of Trenton*, Boiler Explodes, Delaware River, ~Torresdale, PA -- 26-28
453. 1907 -- April 2/3, Ship *Arthur Sewall* Lost at Sea after leaving Philadelphia, PA -- 28
454. 1914 -- Nov 19, Storm, Steamer *C.F. Curtis/two Barges* Sink ~Grand Marais, MI -- 27-28
455. 1924 -- Sep 22, Steamer *Clifton* Lost, Lake Huron, off Coast of MI -- 28
457. 1966 -- Nov 29, *Daniel J. Morrell* (Cleveland OH) Breaks-up/Sinks, Lake Huron Stm-- 28
458. 1969 -- Jan 14, Explosions and Fire on USS *Enterprise*, off Pearl Harbor, Hawaii -- 28

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

459. 1837 -- Aug 15, Steamer *Dubuque* Boiler Explosion, Miss. Ri. Muscatine Bar, IA -- 16-27
460. 1849 -- early June, Cholera, steamboat *Uncle Toby*, MS River, ~Quincy to Rock Isl. -- 27
461. 1851 -- Jan 07, Brig *Martha Sanger*, California to NY, wrecks on reef, Caribbean -- 27
462. 1861 -- Nov 2-3, Storm, Ship *Maritana* wrecks, Egg Rocks ~Boston Light, MA -- 26-27
463. 1873 -- Sep 15, Storm, Steamship *Ironsides* sinks, Lake MI, near Grand Haven, MI -- 24-27
464. 1874 -- Jun 07, Storm, Boats Capsize, Drownings, Lakes Oneida & Onondaga NY -- 27
465. 1875 -- Sep 10, Propeller *Equinox* Sinks, Storm, Lake Mich., ~Big Sable Point, MI -- 21-26
466. 1884 -- Dec 12, Storm, Oyster Boats Capsize, Men Drown, Rappahannock River VA-- 27
467. 1886 -- Dec 17, Whaling Bark *Atlantic* Grounds near San Francisco, CA -- 27
468. 1887 -- Apr, *Stephan* or *Stephens*, Seattle to San Francisco, lost at sea near WA -- 27
469. 1901 -- May 12, *City of Paducah* snags/sinks, MS Ri., ~Brunkhorst Landing, IA -- 15-27
470. 1908 -- Nov 30/Dec 1, Storm, Steamer *D.M. Clemson* Sinks ~Whitefish Pt., MI -- 24-27
471. 1927 -- Jan 11, Storm, Collier *John Tracy* Sinks off Highland Light, Truro, MA -- 26-27
472. 1927 -- July 28, Passenger Vessel *Favorite* Sinks in Storm, Chicago IL -- 27
473. 1939 -- May 23, Submarine *Squalus*, Sinks 16 miles off Portsmouth, NH -- 26-27

474. 1780 -- American Sailing Ship *Watt* Wrecks on Long Island, NY -- 26
475. 1846 -- May 24, Steamer *Queen City* Boiler Flue Collapse/Explos., Natchez, MS >10-26
476. 1849 -- Nov 9, Bath, ME ship *Hanover*, grounds, gale, mouth Kennebec River, ME -- 24-26
477. 1863 -- Apr 27, Steamer *Ada Hancock* Explosion, San Pedro Bay, LA, CA -- 26
478. 1865 -- Oct 29, Steamer *St. John* Boiler Explosion, ~5 miles above NY, NY -- 26
479. 1868 -- Sep 07, *Hippocampus Grounds*, Lake MI Storm, off St. Joseph, MI -- 26
480. 1875 -- Sep 10, Propeller *Equinox* Sinks, Storm, Lake Mich., ~Big Sable Point, MI -- 21-26
481. 1884 -- Feb 28, Gale, Gloucester MA Fishing Schooners *Magic* and *Phoenix* lost -- 26
482. 1894, Jan 12-13~, Gloucester Fishing Schs. *Edwards, Flash, Henrietta* lost, Gale -- 26
483. 1895 -- Jan 21, *Chicora* Sinks, Storm, Lake MI, off South Haven, MI -- 24-26
484. 1905 -- Sep 2-3, *Josco & Olive-Jeanette* sink, Lake Sup. storm, E of Keweenaw Pen., MI~-- 26
485. 1907 -- Oct 11, Storm, Steamer *Cypress* Founders, Lake Sup., off Deer Park, MI -- 22-26
486. 1909 -- May 18, Drownings, overloaded Launch Sinks, OH Ri., ~Schoenville PA -- 20-26
487. 1919 -- Nov 19-Dec, Providence, RI Schooner *T.W. Allan* Founders, Bay of Fundy -- 26
488. 1926 -- Apr 11, Tanker *Gulf of Venezuela* Explosion, Port Arthur, TX -- 26
489. 1944 -- Sep 14, Hurricane, USCG Cutter *Bedloe* Sinks off Hatteras, NC~1807 -- 26
490. 1969 -- Dec 26, USN Charter SS *Badger State* Explos./raft hit by falling bomb, N. Pacific-- 26

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1805 Subset of Hurricane listing.
1806 Cross-listed in Hurricanes.
1807 These fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”
491. 1798 -- Nov 17-21, New England Blizzard and Maritime Storm\textsuperscript{1808} -- >25
492. 1803 -- March, Massacre, Crew of American ship Boston, Nootka, Vancouver Isl.\textsuperscript{1809} -- 25
493. 1839 -- Dec 22-23, Gale, Maritime losses (Henry, Lloyd, Pocahontas), NJ, esp. MA --24-25
494. 1842 -- May 06, Sail boat Polka tips/Sinks, off Thompson’s Island, Mass Bay, MA -- 25
495. 1843 -- Mar ~15, USS Grampus Lost, presumably gale off Charleston, SC -- 25
496. 1847 -- June 4 or 5, Steamer Polka Boiler Explosion, Lake Michigan, MI -- 25
497. 1851 -- before June 22, Steamer Grand Turk, Cholera, Mississippi River -- 25
498. 1851 -- before June 22, Steamer Pride of the West, Cholera, Mississippi River\textsuperscript{1811} -- ~25
499. 1854 -- Apr 08, Steamer Gazelle Boiler Explosion, Oregon City, OR -- 25
500. 1877 -- Jan 20, U.S. Schooner George Washington Strands, Mistaken Point, NFLD -- 25
501. 1887 -- Oct 18, Ship Alfred Watts, Philadelphia to Japan, Lost at Sea -- 25
502. 1888 -- Oct 03, Whaling Bark Ohio driven ashore near Point Hope, Chukchi Sea, AK -- 25
503. 1890 -- Nov 05, 8, Schs. Lillie Amoit & D. Miner collide, Menominee Hbr., MI -- 25
504. 1894 -- May 11, Amer. Whaling Bark James Allen hits rock/sinks, Amlia Isl., AK -- 25
505. 1916 -- July 17, Steamer C.W. Morse leaves NY, NY, not heard from again -- 25
506. 1918 -- Oct 4/5, Collier USS Herman Frasch Collision (Henry) ~Cape Sable NS --17-25
507. 1929 -- Sep 9/10, Andaste Sinks, Lakes MI Storm 14m W off Holland, MI -- 25
508. 1969 -- Apr 6, Collision, Union Faith/Warren J. Doucet, MS Ri. New Orleans LA -- 25
509. 1837 -- Apr, Georges Bank Gale, 3 Fishing Boats Lost out of Gloucester MA -- 24
510. 1840 -- Nov 1, 7, 9 or 10, Flue Collapse, Steamer Persian, MS Ri., ~Napoleon AR --23-24
511. 1849 -- May 18, Collision, Empire/Noah Brawn, Newburgh Bay, NY -- 24
512. 1852 -- Nov 12, Buckeye Belle Explo., Muskingum Riv., Beverly Canal OH -- 24
513. 1860 -- Nov 24, Dacotah, Grounds/Breaks, Lake Erie Stm., ~ Angola, NY -- 24
514. 1865 -- Oct ~24, Steamer D.H. Mount Lost, Cape Hatteras to Jacksonville, FL -- 24
515. 1867 -- Dec 24, Steamer Raleigh Burns to water, off Charleston, SC --14-24
516. 1882 -- Mar 17?, Gale, Gloucester MA Schooners Northern and Victor lost, GB -- 24
517. 1882 -- Aug 07, Steamboat Gold Dust, Boiler Explosion, near Hickman, KY --17-24
518. 1883 -- Aug 29, Gale, Gloucester MA Schooners Alaska & James Bliss lost, GB --23-24
519. 1886 -- Nov, Kodiak Schooner Flying Scud lost near Karluk, AK --16-24
520. 1886 -- Dec 28, Fire, Steamer/Boarding House Bradish Johnson, Jackson, AL\textsuperscript{1812} -- ~24
521. 1887 -- Jun 17, Steamer Champlain Burns, Lake Michigan, off Charlevoix, MI --20-24
522. 1891 -- Feb 26, Gale, craft lost, lower James Ri. ~Warwick Ri. mouth, Newport News, VA --20-24
523. 1893 -- Nov 07, Albany/Philadelphia Col., Fog, L. Huron ~ Pte Aux Barques MI -- 24
524. 1894 -- Sep 27, Ship Ivanhoe leaves Seattle for SF, lost in storm off WA/OR coast --23-24
525. 1901 -- Sep 16, Steamer Hudson Founders in Gale, L. Sup. ~8M off Eagle River, WI-- 24

\textsuperscript{1808} There was a much larger loss of life, but we do not know the approximate 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.

\textsuperscript{1809} Cross-listed in Violence – Massacres of Whites by Natives.

\textsuperscript{1810} We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

\textsuperscript{1811} We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

\textsuperscript{1812} Cross-listed in Fires.
1814 -- Jun 30, Tornado Sinks Schooner USS Alligator, Port Royal Sound, SC
1815 -- Dec 09, Steamboat Clermont sinks (unknown cause), White River, AR
1851 -- Dec 09, Steamboat Clermont sinks (unknown cause), White River, AR
1852 -- Oct 08, Steamboat E.K. Collins Burns, near Mouth of Detroit River, MI
1855 -- Mar 27, Steamer Bulletin No. 2 Burns, Miss. River, Tompkin’s Bend
1858 -- Apr 02, Steamer Sultan Fire, Mississippi River, near St. Genevieve, MO
1859 -- Oct 16, Propeller Troy Founders, Lake Huron Storm, Point aux Barques, MI
1867 -- May 21, Steamer Wisconsin Fire/Drowning, Lake Ont., ~ Cape Vincent, NY
1868 -- Jun ~15, Brit. Bark Istria Wrecks, Diamond Shoals off Cape Hatteras NC
1869 -- Jan 11, Steamer Gulf City Grounds and Breaks-up, Cape Lookout, NC
1872 -- Mar, Gloucester, MA Schooners Matchless, Franklin Snow lost, Georges Bk.
1874 -- Oct 22, Steamer Brooklyn Boiler Explodes, Detroit River, MI
1878 -- Oct 12, Whaling Bark Sarah Capsizes in Gale, out of Bedford, MA
1885 -- May 5, New Bedford, MA Whaling Bark Napoleon Sunk by Ice, Bering Sea
1877 -- Apr 13, Steamer Leo Burns 83 miles south of Tybee Light, GA
1907 -- Feb 22, Steamer Marion Burns, Wadmalaw Sound, Hart’s Landing, SC
1910 -- Jan 12, Steamer Czarina, Grounds on Coos Bay Bar, OR
1914 -- Nov 23, Steamer Hanalei Grounds, Duxbury Reef ~ San Fran. CA
1923 -- Sep 08, Fog, 7 US Navy Ships Run Aground, Honda Point, CA
1925 -- May 8, US Steamer M.E. Norman Capsizes/Sinks, MS Riv., Coahoma, MS
1927 -- Aug 24~, Gloucester, MA Sch. Columbia Lost, Gale, off Sable Island, NS
1869 -- Sep 8, Hurr., Schrs. Helen Eliza Grounds (Peak’s Isl., ME), Yankee Girl lost
1874 -- Oct 22, Steamer Brooklyn Boiler Explodes, Detroit River, MI
1885 -- May 5, New Bedford, MA Whaling Bark Napoleon Sunk by Ice, Bering Sea
1890 -- Aug 6, Boston Sch. Magellan, sank by the St. Mary near Falkland Islands
1901 -- Aug 19, Steamer City of Golconda Turtles, Windstorm, OH Riv. ~ Paducah, KY
1909 -- July 18, Sloop Roxana Capsizes, and other Drownings, N. Y. Bay
1911 -- Jun 24, City of St. Joseph, Flue Collapse, MS Riv., Presidents Island, TN
1913 -- May 02, Cordelia Founders, Tensas River, for Natchez, MS
1914 -- Apr 28, Storm, Steamer Benj. Noble Founders, Lake Sup., ~Knife Is. MN
1919 -- Nov 11, John Owen Founders, Lake Superior, Out of Duluth, MN
1920 -- Jan 26, Steamer Mielero Sinks in Storm off Coast of FL
1942 -- Dec 03, Cleveco Tanker/Barge Sinks, Lake Erie Blizzard ~Euclid, OH
1944 -- Sep 14, Hurricane, USCG Cutter Jackson Sinks off Hatteras, NC
1964 -- Jun 30, Drilling Barge C.P. Baker, Explosion/Fire, Gulf of Mexico

1813 Cross-listed in Tornadoes.
1814 Cross-listed in Hurricanes.
1815 Cross-listed in Fog as a Contributing Condition.
1816 These fatalities are part of the 409 attributed to the “Great Atlantic Hurricane.”
564. 1635 -- Aug 14/15, Storm, Pinnace *Watch and Wait* Wrecks, Thacher Is., MA -- 21
565. 1871 -- Feb, Gloucester, MA Fishing Schooners *Hiawatha & E.L. Cook* lost at sea -- 21
566. 1871 -- Aug 18, Steamer *Lodona* Grounds, Storm, near Cape Canaveral, FL -- 21
567. 1873 -- Feb 15, Steamer *Henry A. Jones* Burns, Galveston, TX -- 21
568. 1888 -- Nov 27, Storm, Philly Steam Collier *Allentown* Grounds ~ Cohasset, MA --18-21
569. 1892 -- July 12, Storm, *Frankie Folsom*, small boats founder, IL Ri., Peoria, IL -- 14-21
570. 1892 -- Oct ~28, OH Steamer *W.H. Gilcher* Sinks, Stm., Lake MI, ~Manitou Is. MI --18-21
571. 1906 -- Oct 18, Sidewheel Steamer *St. Lucie* Founders, Hurricane, Elliot Key, FL -- 21
572. 1907 -- Nov 24, Last contact with Ship *Bangalore*, Norfolk VA to Honolulu, HI -- 21
573. 1909 -- May, ~1-2, Storm, Stm. *Adella Shores* Sinks, Lake Sup., ~Grand Isl., MI --14-21
574. 1915 -- Mar 25, Submarine Skate (F-4) Sinks, near Honolulu Harbor, HI -- 21
575. 1916 -- May 08, Steamer *Kirby* Sinks, Lake Sup. Storm, near Eagle Harbor, MI --20-21
576. 1929 --~Jan 13, Fishing Trawler *Seiner* Lost, Georges Bank, out of New London CT -- 21
577. 1932 -- Feb 05, Boston Sch. *Eleanor Nickerson* hit/sinks off SE of Cape Sable, N.S.-- 21
578. 1956 -- Jan 17, Gasoline explos./fire, SS *Salem Maritime*, terminal, Rose Bluff, LA -- 21
579. 1968 -- Mar 16, Collision, SS *African Star* & barge *Intercity No. 11*, MS River, LA -- 21

580. 1716 -- Five Gloucester MA Fishing Vessels Lost, Voyage to Cape Sable -- ~ 20
581. 1799 -- Nov-Feb 1880, Ship USS *Delaware*, Yellow Fever, Curacao, Caribbean 1819 -- 20
582. 1799 – Jun-Jul, Frigate USS *General Greene*, Yellow Fever, Cuba to Portsmouth NH 1820>20
584. 1813 -- Sep 17, Navy Gun Vessel. *No. 164* Sinks, Hurricane, Charleston, SC 1821 -- 20
585. 1821 -- Sep 17, Schooner *Washington* strands, hurricane, Bay St. Louis, MS 1822 -- ~20
586. 1832 -- Jun 02, Steamer *Hornet* Capsizes, Storm, Ohio River, Maysville, KY -- 20
587. 1833 -- Oct 16, Steamer *New England*, Boiler Explosion, CT River, Essex, CT --13-20
588. 1836 -- Jun 9, Steamboat *Rob Roy* Boiler Explos., Miss. River, near Columbia, AR --17-20
589. 1837 -- Mar 17, Steamboat *Tiskilwa* hit by the *Wisconsin*, near mouth Ill. River, IL --10-20
590. 1838 -- Sep 7, Sloops *Alabama, Dread, Caution* wreck near Cape FL, FL, storm 1823 -- >20
591. 1838 -- Dec 03, *Augusta*, Boiler Exp., MS Riv. between Natchez/Vicksburg, MS -- 20
592. 1841 -- Aug 12, Boiler Explos., Steamboat *Louisiana*, MS Riv., Bayou Sara, LA --18-20
593. 1846 -- Sep 05, Steamer *New York* founders in Storm, ~ 60m off Cameron, LA -- 20
594. 1846 -- Nov 19, *Indian Queen* founders in Storm, ~ 60m off Cameron, LA -- 20
595. 1847 -- June 29, Steamboat *Spangled Banner* Snags, Baton Rouge, LA -- 20
596. 1850 -- Jan 23, *St. Joseph* Boiler Explos., MS Ri., Islands No 80/81, ~Napoleon AR-- 8-20
597. 1850 -- Dec 17, Steamboat *Knoxville*, Boiler Explosion, New Orleans, LA --12-20
598. 1851 -- Feb 20, Boiler Explosion, Sidewheel Ferry *St. Louis*, St. Louis, MO -- 20

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1817 164 deaths are attributed in total to the Oct 18-21, 1906 Florida Keys Hurricane.
1818 Cross-listed in Explosions and in Hazardous Materials Transportation.
1819 There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.
1820 There were at least 1,335 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.
1821 Cross-listed in Hurricanes
1822 Cross-listed in Hurricanes (subset of 35 total fatalities).
1823 Subset of Sep 7, 1838 Hurricane near Cape Florida, FL taking 38 lives in total.

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453
600. 1851 -- Nov 29, Steamboats Molly Grath& Pontiac No. 2 collide -- Owensboro, KY -- 20
601. 1852 -- Apr 25, Steamboat Prairie State No. 2, Boiler Explosion, Pekin, IL -- 20
602. 1852 -- Apr 26, Steamers Collide, Chickasaw/W.B. Clifton, French Is., Evansville IN -- 20
603. 1852 -- July 12, City of Oswego sinks, collis. America, L. Erie -- Willoughby, OH -- 15-20
604. 1852 -- Aug 22, Overcrowded Ferryboat Capsizes, Hudson River, Albany, NY -- 10-20
605. 1854 -- Aug 26, Steamboat Timour No. 2, Boiler Explosion, ~Jefferson City, MO -- 17-20
606. 1858 -- Jan 28, Fanny Fern Boiler Explos., OH River, ~Lawrenceburg, IN -- 13-20
607. 1858 -- Feb 17, Steamer Magnolia, Boiler Explos., Cape Fear Riv., White Hall NC -- 11-20
608. 1860 -- Nov 3, Steam Towboat Baltic, Explosion, Mobile, AL -- 20
609. 1862 -- Dec 31, Iron Clad USS Monitor sinks, Storm off Cape Hatteras, NC -- 16-20
610. 1863 -- Oct, Steamship Water Witch Founders, Saginaw Bay, MI -- 20
611. 1864 -- Feb 22, Steamship Bohemian, wrecks, Alden’s Rock, off Richmond Isl., ME -- 19-20
612. 1865 -- June 8, Steamer Admiral Dupont hit/sunk, British Studacona, S. NJ Coast -- 15-20
613. 1866 -- Mar 4, Steamboat Lockwood, Explosion/Burns, 8 miles below Memphis TN -- 9-20
614. 1867 -- Dec 31, Steamer Henry Ames guards fail while unloading, New Orleans, LA -- 20
615. 1878 -- Dec 01, Cotton Valley/Charles Morgan, Collide, MS R., ~Bringier Pt., LA -- 12-20
616. 1883 -- Nov 12, Gale, Chesapeake Bay, Schooner Anne Gertrude, other Vessels Lost -- 9-20
617. 1887 -- Mar 01, W.H. Gardner, Burns, Tombigbee River, Gainesville, AL -- 20
618. 1887 -- Nov 3, Schooner Ocean Bird Capsizes, Storm, Pasquotank River, NC -- 9-20
619. 1891 -- Feb 21, Ship Elizabeth, NYC to SF, Grounds, Tenn. Cove, Marin Ct. CA -- 17-20
620. 1899 -- Apr 14/15, Sailing Ship Andelana, sinks while moored at Tacoma, WA -- 17-20
621. 1905 -- Jan 03, Towboat Defender, Boiler Explosion, OH River, ~Huntington WV -- 9-20
622. 1905 -- Aug 28, Steamship Peconic Founders off Northeast Coast of FL -- 20
623. 1908 -- Aug 27, Last report from Ship Fort George, NY, NY to Honolulu, HI -- 20
624. 1916 -- Aug 16, Storm, Admiral Clark Founders off San Antonio, TX -- 20
625. 1918 -- Sep 17, Storm, Cal. Steamer San Gabriel Founders off Cape Lucas, Mexico -- 20
626. 1920 -- Nov 24, Barge W. J. Pirrie, Hits Rocks, Sinks, off Coast of WA -- 20
627. 1927 -- Oct 29, Fog, President Wilson, Hits Gloucester Fisher Avalon, Cape Cod MA -- 20
628. 1941 -- Jan 21, Mary E. O’Hara & barge collide, entrance to Boston Harbor, MA -- 18-20
629. 1941 -- Mar 24, Steamer Cities Service Denver, Explosion/Fire, off NC/SC coast -- 19-20
630. 1942 -- Dec 31, Storm, Maiden Creek Founders/Sinks, off S. Long Is. NY -- 20
631. 1943 -- Nov 21, Tanker Altair hit by Bostonian, Fog, off Cape Henlopen, DE -- 20
632. 1945 -- Feb 5, Tanker Spring Hill hit/explosion/fire, off Stapleton, Staten Island, NY -- 19-20
633. 1953 -- Sep 02, Military Pontoon Raft Capsizes in lake, Fort Bragg, NC -- 20
634. 1962 -- Oct 20, Collision/Fire, Boheme & Barge Parker, Miss. River ~Lutcher, LA -- 20
635. 2005 -- Oct 02, Ethan Allen tour boat capsizes, Lake George, near Cramer Point, NY -- 20
636. 1822 -- July-Aug, Yellow Fever, U.S. Brig Enterprise, Caribbean to NYC & at NYC -- 19
638. 1852 -- Nov 10/11, Propeller Oneida founders, Lake Erie storm, west of Ripley NY -- 17-19
639. 1881 -- Dec 26, Steamship West Point, Gas Explosion/Fire, York River, VA -- 19

1824 Also referred to as the Mollie Garth in Twaintimes.
1825 Cross-listed in Fog as Contributing Factor.
1826 Cross-listed in Fog as Contributing Factor.
1883 -- Jan 2, Cowe Tunnel Convict Boat Capsizes, Tuckasegee River, Western NC-- 19
1883 -- Mar 4, Steamboat *Yazoo Valley* Snags/Sinks, MS Riv., ~ Red Church, LA --16-19
1887 -- Sep 3, Gale, Provincetown, MA Fishing Sch. *Rebecca R. Nickerson* lost, GB -- 19
1890 -- Nov 27, Steamer *T. P. Leathers* Burns, Miss. River, Point Breeze, MS --17-19
1891 -- Mar 24, Steamer *Strathairly*, Shipwreck, Chicamacomico, NC -- 19
1891 -- Oct 29, Str. *Oliver Beirne* Fire, MS Ri., Millikens Bend, ~Vicksburg MS --15-19
1892 -- Feb 02, SF, CA Whaling Bark *Tamerlane*, Strands, Puna Island, HI -- 19
1893 -- Mar 12, Steamer *Providence* Grounds, Storm, Davis Bend, LA -- 19
1893 -- Oct, Hurricane, Steamer *George W. Kelley* lost, Caribbean, for New Orleans-- 19
1894 -- Dec 02, U.S. Steamer *Soo City* Lost in Storm, Gulf of St. Lawrence -- 19
1895 -- May 23, fog, *Frank H. Goodyear* hit by Wood, sinks, Lake Huron ~Pt. Aux Barques MI-17-19
1895 -- Aug 16-17, U.S. Dredger *San Bernardo* Grounds, Hurricane ~Galveston1827 -- 19
1896 -- Mar 24, Ship *Strathairly* Lost after leaving Norfolk, VA -- 19
1896 -- Mar 21, Ship *Timandra* Lost after leaving Norfolk, VA -- 19
1897 -- Dec 17, USN Sub *F-1* Collides with *F-3*, Sinks off Coast of San Diego CA-- 19
1898 -- Jun 28, Steamboat *Jessie V.* swamped, Kuskokwim River mouth, AK -- 19

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

1786 -- Dec 5, Gale, sloop grounds, Lovell’s Isl., Brig at Pt. Shirley, Boston Harbor, MA-- 18
1834 -- Aug, early, Steamboat *Kentucky*, Cholera -- 18
1843 -- Sep 25, Gale, Steamer *Sarah Barnes* Sinks in Gulf, west of Sabine Pass, TX--17-18
1847 -- May 6, Steamboat *New Hampshire* boiler explos., Ark Riv., Pine Bluff, AR--12-18
1847 -- Jun 11, Schooner *Merchant*, Lost, Sault Ste. Marie, Lake Superior MI -- 18
1848 -- Sep 15-21, Prop. *Goliath* Fire/Explos., Lake Huron, ~Point au Barques, MI -- 18
1850 -- Sep 12-17, Cholera, Steamer *Falcon*, Chagres, Panama to Havana, Cuba1830 --17-18
1854 -- Aug 02, Steamer *Cape May* Snags, Mt. Vernon, IN -- 18
1857 -- Nov 12 or 15, *Opelousas* & *Galveston* Collide, Gulf of MX off LA Coast -- 18
1876 -- March 1, *Nuova Ottavia* Grounds, Life-Saving Crew Lost, Kittyhawk, NC -- 18
1898 -- Jun 28, Storm, Steamer *Jessie V.* swamped, Kuskokwim River mouth, AK -- 18

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1827 Cross-listed in Hurricane as a maritime subset.
1828 U.S. was not at war at the time. Congress declared war on April 6, 1917.
1829 Cross-listed in Lightning.
1830 Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1903</td>
<td>Jan 2, Bark <em>Prince Arthur</em>, Grounds on Rocks off Coast of WA</td>
</tr>
<tr>
<td>1903</td>
<td>Feb 17, Steamer <em>Olive</em> sunk, Tornado, Chowan Riv., Woodley’s Pier, NC&lt;sup&gt;1831&lt;/sup&gt;</td>
</tr>
<tr>
<td>1907</td>
<td>Apr 10, Bark <em>Adolph Obrig</em> Lost after sailing from NYC, NY</td>
</tr>
<tr>
<td>1908</td>
<td>Jan ~23, Steamer <em>Bluefields</em> Founders, Storm off Cape Hatteras, NC</td>
</tr>
<tr>
<td>1908</td>
<td>May 26, Boston Sch. <em>Fame</em>/<em>UK Steamer Boston</em> Collide, fog, Cashes Bank&lt;sup&gt;1832&lt;/sup&gt;</td>
</tr>
<tr>
<td>1913</td>
<td>Apr 6, Grounded Barque <em>Mimi</em> Capsizes during Salvage, Nehalem Spit OR</td>
</tr>
<tr>
<td>1917</td>
<td>Jun 30, <em>Christopher Columbus</em> Collision/Water-tank Falls, Milke. Riv. WI</td>
</tr>
<tr>
<td>1918</td>
<td>Apr 10, Bark <em>Adolph Obrig</em> Lost after sailing from NYC, NY</td>
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<tr>
<td>1924</td>
<td>Mar 11/12, Maine Schooner <em>Wyoming</em> sinks in blizzard off Chatham, MA</td>
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<tr>
<td>1926</td>
<td>Nov 8, Lumber Schooner <em>Brooklyn</em> Founders, Humboldt Bar, Eureka, CA</td>
</tr>
<tr>
<td>1928</td>
<td>May 07, US Army dredge <em>Navesink</em> hits <em>Swinburne</em>, sinks ~Stapleton, NY</td>
</tr>
<tr>
<td>1930</td>
<td>Dec 7/8, Westmoreland <em>Founders</em> Lake MI Ice Storm, Manitou Passage, MI</td>
</tr>
<tr>
<td>1932</td>
<td>Apr 6, Barque <em>Diablo</em> Capsizes during Salvage, Panama City, FL</td>
</tr>
<tr>
<td>1936</td>
<td>Nov 24, Steamer <em>City of Charlton</em> Collides with <em>Matanzas</em> off Absecon, NJ</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1771</td>
<td>Early, <em>Beaver</em>&lt;sup&gt;2nd&lt;/sup&gt; lost on Lake Erie near Sandusky, OH</td>
</tr>
<tr>
<td>1820</td>
<td>Mar 20, Steamboat <em>Buffalo</em> Explosion, Owensboro, KY</td>
</tr>
<tr>
<td>1840</td>
<td>Dec 12, Steamboat <em>Cherokee</em> Explosion, Ark. River, Lewisburg, AR</td>
</tr>
<tr>
<td>1844</td>
<td>Aug 12, Steamer <em>Louisiana</em> Boiler Explosion,, 15m north Bayou Sara, LA</td>
</tr>
<tr>
<td>1849</td>
<td>Nov (early to 15&lt;sup&gt;th&lt;/sup&gt; arrival at St. Louis), Steamboat <em>Constitution</em>, Cholera&lt;sup&gt;1835&lt;/sup&gt;</td>
</tr>
<tr>
<td>1850</td>
<td>Oct 28-Nov 8, Cholera, Barque <em>Splendid</em>, Sacramento to San Francisco&lt;sup&gt;1836&lt;/sup&gt;</td>
</tr>
<tr>
<td>1852</td>
<td>Mar, Gloucester MA Schrs. <em>Golden Fleece</em> &amp; C.E. Parkhurst lost, Georges Bank</td>
</tr>
<tr>
<td>1854</td>
<td>Dec 7/8, <em>Westmoreland Founders</em>, Lake MI Ice Storm, Manitou Passage, MI&lt;sup&gt;1837&lt;/sup&gt;</td>
</tr>
<tr>
<td>1859</td>
<td>Apr ~1, Stm., Gloucester Schrs. <em>Grace T. Powers</em> &amp; <em>Charles E. Grover</em> lost</td>
</tr>
<tr>
<td>1860</td>
<td>May 09, Steamer <em>R.F. Sass</em> Snags, Miss. River, Clark’s Bar, ~Glover, MS</td>
</tr>
<tr>
<td>1864</td>
<td>Jul 03, Steamer <em>Locust Point</em> Collides with <em>Matanzas</em> off Absecon, NJ</td>
</tr>
<tr>
<td>1864</td>
<td>Oct 30, Union packet <em>Universe</em> snags/sinks, MS Riv., between Islands 35-36&lt;sup&gt;1838&lt;/sup&gt;</td>
</tr>
<tr>
<td>1867</td>
<td>Aug, Two Gloucester, MA Fishing Schooners Lost on Georges Bank</td>
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<tr>
<td>1885</td>
<td>Dec 25, Steamship <em>City of Nassau</em> lost after leaving Philly, PA</td>
</tr>
<tr>
<td>1871</td>
<td>Sep 2, Gloucester, MA Fishing Schooners <em>Montrose</em> and <em>Emporia</em> lost at sea&lt;sup&gt;1839&lt;/sup&gt;</td>
</tr>
<tr>
<td>1871</td>
<td>Nov 22, Steamer <em>City of New London</em> Burns, Norwich, CT</td>
</tr>
</tbody>
</table>

<sup>1831</sup> Cross-listed in Tornadoes.<br><sup>1832</sup> Cross listed in Fog as Contributing Factor.<br><sup>1833</sup> Cross-listed in Explosions.<br><sup>1834</sup> Cross listed in Fog as Contributing Factor.<br><sup>1835</sup> St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.<br><sup>1836</sup> The last three deaths were on the 8<sup>th</sup> in a San Francisco hospital after transfer from the boat upon landing on 7<sup>th</sup>.
717. 1882 -- Dec 06, Steamboat *Morning Star* Boiler Explos., MS Riv., below N.O., LA --16-17
718. 1893 -- Aug 24, Tugboat *Panther* Sinks, Storm, SE Coast Long Island, NY -- 17
719. 1893 -- Dec 15, Schooner *Mascot* leaves SF, CA homeport, sealing trip, lost at sea -- 17
721. 1899 -- Apr 21, Steamer *General Whitney* Founders, off St. Augustine, FL -- 17
722. 1902 -- Jan 25, Gloucester, MA fishing Schooner *Alva* sails for Georges Bank, Lost -- 17
723. 1905 -- Oct 25, storm, steamship *L.R. Doty* sinks, Lake Mich., north of Milwaukee, WI- 17
724. 1911 -- Jan 10, Gloucester, MA fishing Schooner *Alva* sails for Georges Bank, Lost -- 17
726. 1918 -- Apr 05, Ship *Avon* Departs NY, NY, not heard from again, presumed lost -- 17
727. 1919 -- Mar ~28, Boston Tug *Charles W. Parker, Jr.*, Norfolk to Boston, Lost -- 17
728. 1924 -- Aug 26~, Three MA fishing schooners lost, probably in gale, Georges Bank -- 17
729. 1941 -- Dec 10, *Oregon* Collision with USN Boat, Sinks off Nantucket, MA -- 17
730. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA1837--17
731. 1947 -- Jan 09, Boston Fishing Trawler *Belle* Goes Missing off Northeast Coast -- 17
732. 1951 -- Jan 15, Boston, MA fishing trawler *Gudrun* lost off Newfoundland in storm -- 17
733. 1953 -- Mar 03, Steamer *Woodsman*, Mississippi River, Bayou Sara, LA -- 3-16
734. 1968 -- Dec 7, Collis., USCG *White Alder & Helena*, Head of Passes, MS Riv. LA -- 17
735. 2018 -- July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO -- 17

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

736. 1807 -- July 11, Schooner *Charles*, Wrecks on Reef, fog, W of Portland Light, ME1838-- 16
737. 1833 -- May 19, St. *Lioness* Fire/Gunpowder Explos., Red River, Montgomery, LA --14-16
738. 1842 -- Feb 25, Steamboat *North Star* Boiler Explosion & Fire, Tuscaloosa, AL --15-16
739. 1842 -- Apr 04, Launch from U.S Steam Frigate *Missouri* sinks, Potomac River -- 16
740. 1848 -- Oct 06, Steamer *Piney Woods* Burns, near Springfield, LA --15-16
741. 1849 -- Mar 03, Steamer *Woodman*, Mississippi River, Bayou Sara, LA -- 3-16
743. 1858 -- Oct, Gloucester, MA Fishing Schooner Village Belle Lost -- 16
744. 1860 -- Apr 26, Steamer *Alfred T. Lacy* fire, Isl. 16, MS Riv., ~Caruthersville, MO --13-16
745. 1860 -- Sep 17-18, Storm, *R. H. Dixie* wrecked, Bay of Mobile, off AL -- 16
746. 1863 -- Dec 13, Steamer *Quincy* Founders, Cape Hatteras, NC -- 16
747. 1864 -- Aug 18-30 timeframe, Yellow Fever, U.S. gunboat *John Chambers* -- 16
748. 1864 -- Nov ~5, Union transport *James White*, snags/sinks, MS River, Island #10, TN--16
749. 1866 -- May 03, Clipper *Hornet*, NY to San Francisco, burns sinks, Pacific Ocean -- 16
750. 1874 -- Sep 28, Steamer *Amanda Winants* Lost off Georgetown, SC -- 16
751. 1882 -- Dec 05, Sch. *Henry Folger* Grounds on Reef, Salmon Pt. ~Wellington, Ont. -- 16
752. 1884 -- Aug 29, Steamer *Belmont* Capsizes, High Wind, near Evansville, IN >=13-16
753. 1885 -- Dec 25-Jan 1886, Gloucester, MA Fishing Schooner *Mabel Dilloway* Lost -- 16
754. 1887 -- Apr-Aug, MA Fishing Sch. *Lydia Y. (or T.) Crowell*, Lost, N.S. fishing --15-16
755. 1890 -- Mar-Apr, Gloucester, MA Fishing Sch. *William W. Rice* lost, Iceland trip -- 16
756. 1891 -- Aug 12, Storm, Barge *Republic* deck falls, Cold Spring Harbor, L.I., NY --13-16

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1837 Cross-listed in Explosions.
1838 Cross-listed in Fog as a Contributing Condition.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1892</td>
<td>USS Boston, Mil. Munitions Explos., Mare Isl. Navy Yard</td>
<td>CA</td>
<td>-14-16</td>
</tr>
<tr>
<td>1894</td>
<td>Gloucester Fishing Sch. Ambrose H. Knight lost, Iceland trip</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1894</td>
<td>Schooners Albert W. Smith and Kate Markee Wrecked, NJ Coast</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1897</td>
<td>Whaler Navarch caught in ice, abandoned off Blossom Shoals, AK</td>
<td>-</td>
<td>13-16</td>
</tr>
<tr>
<td>1906</td>
<td>Dec 19, W.T. Scovell Boiler Explosion, ~Vicksburg, MS</td>
<td>-</td>
<td>10-16</td>
</tr>
<tr>
<td>1913</td>
<td>Jan 03, Julia Luckenbach Collision/Sinks, Fog, near Tangier Island, VA</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1913</td>
<td>Jan 09, Jas. T. Staples, Boiler Explosion, Tombigbee River, ~Mobile, AL</td>
<td>-</td>
<td>15-16</td>
</tr>
<tr>
<td>1916</td>
<td>Jan 5, Kanawha, in storm hits tower, Capsizes, OH Ri. ~Parkersburg, WV</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1918</td>
<td>Feb 02, Storm, Lifeboat from Carolina (sunk by U-151) Capsizes, off NJ</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1918</td>
<td>July 3, Whaler Schooner Pedro Varela departs New Bedford, MA, Lost</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1919</td>
<td>July 04, Pleasure Steamer Reliance Snags and Sinks, Lake Madison, SD</td>
<td>-</td>
<td>15-16</td>
</tr>
<tr>
<td>1920</td>
<td>Nov 18, Motorboat fire, Lumbermen drownings, Chesuncook Lake, ME</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1921</td>
<td>Feb 26, U.S. Destroyer Woolsey hit by Steel Inventor, Sinks, Panama</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1929</td>
<td>Oct 29, Steamier S. S. Wisconsin Sinks off Kenosha, WI, Lake MI Storm</td>
<td>-</td>
<td>9-16</td>
</tr>
<tr>
<td>1930</td>
<td>Apr 24, Long Island Sound Freighter Thames Burns, ~Captains Island, CT</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1942</td>
<td>Feb 22, Towboat G. W. McBride hits bridge pier, sinks, Ohio R., Cincinnati OH</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1944</td>
<td>Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1973</td>
<td>May 19, Fishing Boat Comet Founders off Point Judith, RI</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1974</td>
<td>Jun 02, Collision/Explosion, Sea Witch/Esso Brussels, NY Harbor, NY</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1975</td>
<td>Jan 18, SS Baune and Tanker Keytrader Collide Lower Miss. River, LA</td>
<td>-</td>
<td>16</td>
</tr>
<tr>
<td>1978</td>
<td>June 17, Tornado, Showboat Whippoorwill capsized, Pomona Lake, KS</td>
<td>-</td>
<td>16</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1829</td>
<td>Sep 16, Steam Pipe Explodes, William Peacock, Lake Erie, near Buffalo, NY</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>1830</td>
<td>Apr 01, Explosion of the Tri-Color, Ohio River, Wheeling, WV</td>
<td>-</td>
<td>15</td>
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<tr>
<td>1830</td>
<td>Apr 22, Steamer Chief Justice Marshall Boiler Explos., Hudson River, NY</td>
<td>-</td>
<td>15</td>
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<tr>
<td>1835</td>
<td>Oct 1, Steamer Carrollton Explosion, Baton Rouge, LA</td>
<td>-</td>
<td>8-15</td>
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<tr>
<td>1836</td>
<td>Oct, Steamer Nicholas Biddle Boiler Explosion, below Memphis TN</td>
<td>-</td>
<td>13-15</td>
</tr>
<tr>
<td>1836</td>
<td>Dec 19, Schooner Dolphin, Boiler Explosion, off St. Johns Bar, FL</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>1838</td>
<td>Nov 19, Drownings, Lock and Dam No. 3, Green River, Rochester, KY</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>1839</td>
<td>May 08, Last seen, Schooner USS Sea Gull, Tierra del Fuego to Valparaiso</td>
<td>-</td>
<td>15</td>
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<tr>
<td>1839</td>
<td>Late Summer or Fall, Steamboat Corsair, Yellow Fever, Mississippi River</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>1840</td>
<td>Mar 25, Brig Escambia founders betw. Frying Pan Shoals/Cape Lookout NC</td>
<td>-</td>
<td>12-15</td>
</tr>
<tr>
<td>1840</td>
<td>Apr 25, Bedford Snags ~mouth MO Ri. ~Mobile Isl./Cori Isle Chute MO</td>
<td>-</td>
<td>15</td>
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<tr>
<td>1843</td>
<td>Mar 17, Steamboat Cutter Flue Collapse, Pittsburgh, PA</td>
<td>-</td>
<td>15</td>
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<tr>
<td>1846</td>
<td>Oct 12, Steamer Colonel Harney Strands, Brazos, TX</td>
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<td>15</td>
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<tr>
<td>1846</td>
<td>Nov, Gloucester MA Schooners General Scott, Canton lost, Georges Bank</td>
<td>-</td>
<td>15</td>
</tr>
<tr>
<td>1847</td>
<td>June 09, Collision, Chesapeake and Porter, Lake Erie, Conneaut, OH</td>
<td>-</td>
<td>10-15</td>
</tr>
<tr>
<td>1847</td>
<td>Dec 20, Steamer Westwood hits bank, explosion, near New Orleans, LA</td>
<td>-</td>
<td>12-15</td>
</tr>
</tbody>
</table>

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1839 Cross-listed in Explosions.
1840 Cross-listed in Fog as a Contributing Condition.
1841 Cross-listed in Explosions.
1842 Cross-listed in Violence (Attack).
1843 Cross-listed in Tornadoes.
795. 1849 -- Jan 14, Steamer Richland Boiler Explos., Pee Dee Riv. Britton’s Ferry, SC -- 15
796. 1849 -- Mar 31, Steamer Virginia Boiler Explosion, Ohio River, Rush Run, OH --10-15
797. 1850 -- April, Gloucester MA Fishing Schooners Walter Scott and Specie Lost -- 15
798. 1850 -- May 07, Flue Collapse, Steamboat Columbus, Mississippi River, Island 4 -- 15
799. 1850 -- July 31, Boiler Explosion, Steamer America, Lake Erie, near Buffalo, NY -- 9-15
800. 1850 -- Nov 07, Steamboat Telegraph Boiler Explosion, off New Castle, DE -- 15
801. 1853 -- Dec 22, Steamer Marlboro/Marlborough Boiler Explosion, Charleston SC --14-15
802. 1854 -- Jan 09, General Bem Snags, AR or MS Riv., Walnut Bend, AR or Grand Cutoff --10-15
803. 1854 -- Feb 16, Steamboat Kate Kearney Boiler Explosion, St. Louis, MO --> 9-15
804. 1857 -- Feb 21, Steamer Humbolt sunk by Belfast, chute of Island No. 75, Miss. Riv.-- 15
805. 1857 -- Mar 27, Lake Michigan Storm and Marine Disaster, Chicago, IL -- 15
807. 1857 -- Oct 15, Steamer Tropic snagged, Missouri River, near Waverly, MO -- 8-15
808. 1857 -- Nov 17, Cataract Mud Drum Explosion, Missouri River, Lisbon, MO --12-15
809. 1858 -- Feb 4, Steamer Colonel Crossman boiler expls., MS Riv. ~New Madrid MO ~15
810. 1860 -- Nov 08, Steamer Globe Boiler Explosion, dock, Chicago, IL -- 15
811. 1862 -- Nov 12, Steamer Eugene snags wreck, Miss. River, Plum Point Bend, TN -- 15
812. 1869 -- Jan 13, Steamer Glide Boiler Explosion, ~50m above New Orleans, LA -- 15
813. 1872 -- Nov 27, Jupiter & Saturn Ground, Lake Sup. Storm, Vermilion Point, MI -- 15
814. 1878 -- Sep 28, Steamer Adelphi Boiler Expls., ~Gregory’s Pt. E. Norwalk, CT --14-15
815. 1879 -- Aug~ , Whaling Schooner Arizona, reportedly lost off Cape Hatteras, NC -- 15
816. 1880 -- Apr 27, Schooner Olivia Schultze Founders, ~mouth of Sinslaw River, OR -- 15
817. 1885 -- Aug 20, Brit. Bark Haddingtonshire Strands 3 miles No. Point Reyes, CA -- 15
818. 1888 -- Nov 26, Schooner Edward Norton Wrecks, Stm., First Cliff Pt., Scituate MA-- 15
819. 1891 -- Oct, MA Fishing Schooner, Hattie N. Reed, Lost at Sea -- 15
820. 1900 -- Aug 2-3, Storm, Steamers Merwin, Resolute and Dollar “Wreck,” AK -- 15
821. 1902 -- Dec 21, Last sighting of American ship Florence, Tacoma, WA for Honolulu-- ~15
822. 1903 --May 5, fog, Gloucester, MA fishing Sch. Gloriana grounds, White Point, NS1844-15
823. 1903 -- May 5, Fog, Steamer Saginaw sinks, liner Hamilton collis. ~Hog Island, VA1845-15
824. 1903 -- Sep 16, Gloucester Sch. George F. Edmunds, grounds, storm, Pemaquid Pt. ME-15
825. 1909 -- Dec 08, Clarion Fire, Lifeboat Loss, Lake Erie, SE Shoal Lighthouse -- 15
826. 1911 -- Jun 12, Storm, Fishing Boats Capsized, James River & Hampton Roads, VA-- 15
827. 1913 -- June 9, Whaler Steamer A. T. Gifford leaves New Bedford, MA, Lost -- 15
828. 1915 -- Jan 24-5, Sch. Yacht Idler Grounds, Diamond Shoals, ~Cape Hatteras, NC --12-15
829. 1915 -- Apr 03, Steamer Edward Luckenbach Founders, False Capes, VA -- 15
830. 1915 -- Nov 2, Steamer Santa Clara Grounds, Coos Bay Bar, OR --12-15
831. 1917 -- Mar 16, Vigilancia (NY to Archangel) torpedoed by German Sub -- 15
832. 1919 -- May 23, Steamer Virginia Fire ~Potomac Riv. mouth, Chesapeake Bay, MD-- 6-15
833. 1923 -- Feb 20, Alta Sails from San Pedro, CA for Bellingham, WA, Lost -- 15
834. 1925 -- June 28, Gloucester, MA fishing Sch. Rex sunk by Liner off 200M E of N.S.-- 15
835. 1930 -- July 29, Sandsucker George Whelan Capsizes/Sinks, Dunkirk, NY -- 15
836. 1942 -- Dec 2, Navy boat capsizes (shore-leave sailors); Narragansett Bay ~Jamestown, RI-- 15

1844 Cross-listed in Fog as a Contributing Factor.
1845 Cross-listed in Fog as a Contributing Factor.
MARITIME Disasters – Master Set – Deadliest American -- By MORTALITY (Cont.)

838. 1802 -- Feb 22/23, winter storm, ships ground, esp. Brutus, exposure, Cape Cod, MA
839. 1834 -- Apr 12, Steamer St. Louis, Boiler Explos., Des Moines Rapids, IA
840. 1841 -- Nov, Pilot Boat & boat from William Gaston Capsize, Indian River Bar, FL
841. 1842 -- Feb 19, Steam Towboat Mohican Boiler Expl., MS Ri., New Orleans, LA
842. 1848 -- Late Dec, Steamer Potomac [unclear], Cholera, NOLA to Louisville, KY
843. 1849 -- Jun 09, Flue collapse, Steamboat Embassy, Ohio River, Three Mile Bar, KY
844. 1854 -- Oct 06, Steamer Princess Burns, Mississippi River, Fort Adams, MS
845. 1856 -- Nov 26, Schooner Cherokee Founders, Lake MI Gale, ~Manistee, MI
846. 1858 -- Dec, Gloucester MA Schooner John Franklin lost after leaving Prince Ed. Il.
847. 1862 -- Nov 05, Steamer J.H. Dickey Grounds IL shore, MS River, Boiler Explodes
848. 1864 -- Feb 17, Steamboat Orient Snags, upper Mississippi River, Commerce, MO
849. 1866 -- June 18, Jennie P. King Wrecks, L. Erie Stm., out of Tonawanda, NY
850. 1867 -- Oct 20, Last sighting of Fishing Schooner Cunard out of Gloucester, MA
851. 1867 -- Nov, Gloucester, MA Fishing Schooner Andrew Leighton lost, Banks
852. 1868 -- Oct 06, Propeller Perseverance Burns, Lake Ontario off Pultneyville, NY
853. 1876 -- Apr-May, Gloucester, MA Fishing Schooner James L. Shute Lost on GB
854. 1876 -- Jan-Feb, Gloucester, MA Fishing Schooner Carrie P. Morton lost, Grand Bk.
855. 1879 -- Apr 18, Steamer Great Republic Strands, Columbia River, Sand Island, OR
856. 1879 -- Oct 29, Gloucester, MA Fishing Schooner N. H. Phillips, Lost, Banquereau Bank
857. 1879 -- Oct, Gloucester, MA Fishing Schooner Andrew Leighton lost, LaHave Bank
858. 1881 -- Aug-Sep, Gloucester, MA Fishing Sch. Guy Cunningham lost Grand Bank
859. 1882 -- Dec 01, R.G. Peters Fire/Founders, Lake MI Stm., out of Manistee, MI
860. 1885 -- Feb 9~, Gale, Gloucester, MA Fishing Schooner Solomon Poole lost GB
861. 1886 -- Jun-Jul, Gloucester, MA Fishing Schooner Virginia Dare Lost, GB
862. 1886 -- Aug-Sep, Gloucester, MA Fishing Schooner Seth Stockbridge lost, Greenland
863. 1885 -- Oct 03, Propeller California Founders, Lake MI, Straits of Mackinac, MI
864. 1885 -- Dec-Jan 1886, Gloucester, MA Fishing Schooner Isabel, San Francisco to Shamagin Island, AK

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1846 Cross-listed under Winter Storms.
1847 "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.)
1848 On Fishing trip to the Grand Banks.
875. 1888 -- May 21, Fishing Schooner Isabel springs a leak, founders, Coast of Alaska -- 14
876. 1889 -- Mar 16, Portland, ME Bark E.L. Pettengill, Wrecks, Chesapeake Bay -- 14
877. 1889 -- Mar 26~, Gloucester Fishing Sch. Shiloh reported run down off Cape Cod -- 14
878. 1890 -- Jan 9~, Gloucester, MA Fishing Schooner Alice M. Strople lost GB Gale? -- 14
879. 1890 -- Sep, Portland ME Fishing Schooner City Point Lost, La Harve Banks trip -- 12-14
880. 1891 -- Aug 26, Ship William A. Campbell, out of Port Townsend, WA sinks, storm--11-14
881. 1895 -- Mar 08, Steamer Longfellow hits C&O Bridge Pier, Sinks, Cincinnati, OH -- 11-14
882. 1901 -- Jan 22, Gloucester, MA schooner Commonwealth sails for Georges Bank, lost-- 14
883. 1901 -- Sep 16, Gloucester, MA Schooner Lolanthe departs for codfishing trip, lost -- 14
884. 1902 -- July 17, Sudden Squall, Excursion Party Boat Capsizes, ~Appledore Is. ME -- 14
885. 1902 -- Nov 23, Freighter Silvanus J. Macy Sinks, Lake Erie Storm -- 14
886. 1904 -- Feb 27, Steamship Queen, Fire/Drowning, off Coast of OR -- 14
887. 1909 -- July 12, Fog, SS John B. Cowle hit by Scott/sinks, Lake Superior off Whitefish Pt., MI 1849 -- 14
888. 1909 -- Dec 26, Schooner Davis Palmer Founders off Boston Harbor, MA -- 14
889. 1911 -- Nov 12, Storm, Steam Barge Lost off NY Harbor, NY -- 14
890. 1919 -- Jan 15, Schooner Ellen A. Swift Leaves New Bedford, MA, Whaling, Lost -- 14
891. 1923 -- Dec 5, Steamer T.W. Lake Lost in Storm, off San Juan Islands, WA --13-14
892. 1924 -- Oct 20, USS Trenton Gun Turret Powder Bag Explosion, off Norfolk, VA -- 14
893. 1928 -- Aug 9, William A. McKenney, Storm/Drownings, Coast of CA -- 14
894. 1937 -- Jan 26, Rescue Barge Capsizes during Ohio Flooding, Paducah, KY -- 14
895. 1942 -- Dec 2, Tug Admiral Sinks, Lake Erie Storm ~Avon Pt. Cleveland, OH -- 14
896. 1943 -- Jan 12, USN Destroyer Worden hits rock/sinks, off Amchitka Island, AK -- 14
897. 1955 -- Aug 12, Schooner Levin J. Marvel founders Chesapeake Bay ~Fairhaven MD-- 14
898. 1981 -- May 26, USN EA-68 Prowler Crash, USS Nimitz, off Jacksonville, FL 1850 -- 14
899. 1983 -- Feb 14, Crab boats Altair & Americus capsize, Altair sinks, Bering Sea ~AK-- 14
900. 2002 -- May 26, Barge hits Bridge, Span Collapse, Webbers Falls, OK 1851 -- 14
901. 1810 -- Sep 11, USN Gun Boat # 159 Sinks in Gale Chesapeake Bay -- 13
902. 1824 -- May 15 Steamboat Aetna Boiler Explosion, New York Harbor, NY --10-13
903. 1831 -- May 14, Steamboat Coosa sinks, collision with Huntress, Caruthersville, MO-- 13
904. 1831 -- Jul-Aug, Schooner USS Sylph Lost after leaving Pensacola, FL -- 13
905. 1833 -- Nov 08, Steamer Illinois Boiler Explosion, Miss. River, near Cairo, IL -- 13
906. 1841 -- Aug 29, Steamboat Keokuk Snags, Miss. River, St. Genevieve Island, MO --11-13
907. 1846 -- Nov 19, Schooner Lexington Sinks, Lake Erie Storm, ~Pt. Mouillee, MI -- 13
908. 1850 -- April, Cholera, Steamer St. Louis, New Orleans to St. Louis, arriving May 1--12-13
909. 1851 -- Fishing Schooner Burlington Lost -- 13
910. 1851 -- June-July? 1852 Cholera, Steamboat St. Ange, upon arrival at Fort Pierre, SD -- 13

1849 Cross-listed in Fog as a contributing factor.
1850 Cross-listed in Aviation.
1851 Cross-listed in Bridge Failures.
1852 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.
913. 1852 -- Jan 09, Steamboat Magnolia Explodes, St. Simon’s Island, GA -- 13
914. 1863 -- Feb 22, Tug Merrimac Wrecks, Humboldt Bar, CA -- 13
915. 1864 -- May 21, Steamboat Nile Boiler Explosion, Detroit, MI -- 6-13
916. 1867 -- Sep, Gale, Gloucester MA Fishing Sch. Fashion lost, Bay of St. Lawrence -- 13
917. 1874 -- Apr 15, Tow Boat Capsizes, Mississippi River, Below New Orleans, LA -- 13
918. 1874 -- Nov, Gloucester, MA Fishing Schooner G. G. Kidder Lost, Grand Banks -- 12-13
919. 1876 -- Mar 01, Explosion, Scow, Umatilla Rapids, OR -- 13
920. 1876 -- Sep 17, Steamer Rebecca Clyde, Strands/Wrecks, 20m so. of Hatteras, NC -- 12-13
921. 1877 -- Jan 7, Steamer Montgomery hit by Seminole, sinks, 38m NE of Cape May NJ -- 13
922. 1878 -- Jan 10, Storm, Boston Fishing Sch. Little Kate Grounds Near Duxbury, MA -- 13
923. 1880 -- Jan, Barkentine Ray R. Sharp, Philadelphia, PA for Lisbon, Portugal, Lost -- 13
924. 1880 -- Aug 28, Bark Miriam, Pensacola to Rio de Janeiro, Lost at Sea -- 13
925. 1880 -- Aug 29, Bark Alfred, Pascagoula MS for Trinidad Island, Spain lost at sea -- 13
926. 1884 -- Apr 3, Rebecca Everingham fire, Chattahoochee Riv., Fitzgerald Landing GA -- 13
927. 1885 -- Oct, Bark Bertha, Sand Key, Turk’s Isl. for Boston, Lost at Sea -- 13
928. 1893 -- May 07, Steam Flue Bursts, Steamer Ohio, Miss. River ~ Wolf Island, MS -- 13
929. 1896 -- Oct 20, Steamer Arago Snags/Sinks, Mouth of Coos Bay, OR -- 13
930. 1909 -- Dec 13, Sch. Governor Ames Wrecks, Stm., Wimble Shoals, Cape Hat., NC -- 11-13
931. 1916 -- Jan 04, Gas Fumes Explos., Oil Tank Steamer Aztec Norge, Erie Basin, NY -- 13
932. 1919 -- Dec 26, Schooner Eleanor A. Percy Founders of coast of Ireland -- 13
933. 1821 -- Oct 25, Sea Fox Capsizes Storm, same day as sailing from NYC, NY -- 12
934. 1853 I assume that the Fortune and Samuel Faunce events refer to same event and that one of the sources is wrong.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1850</td>
<td>April, Cholera, Steamer <strong>Missouri</strong>, New Orleans to St. Louis, arriving May 2--</td>
</tr>
<tr>
<td>1850</td>
<td>May 23, Flue Collapse, Steamboat <strong>St. Louis</strong>, Jefferson Barracks, MO</td>
</tr>
<tr>
<td>1851</td>
<td>by April 24, Cholera, Steamboat <strong>Iroquois</strong>, New Orleans to St. Louis, MO</td>
</tr>
<tr>
<td>1852</td>
<td>Feb 16, Flues Collapse, <strong>May Queen</strong>, AR Riv., 45m below Little Rock, AR</td>
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<tr>
<td>1852</td>
<td>Apr 11, <strong>Pocahontas</strong> Fire, Miss. River, Island No. 78, Choctaw Bend, AR</td>
</tr>
<tr>
<td>1852</td>
<td>Dec 14, <strong>Western World/H.R.W. Hill</strong>, collide, MS Riv., Princeton Landing, MS</td>
</tr>
<tr>
<td>1854</td>
<td>Feb, Gloucester, MA Fishing Schooner <strong>Flight</strong> Lost, Georges Bank</td>
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<tr>
<td>1854</td>
<td>Sep 17/18, Steamer <strong>Kate Ward</strong> Lost, Hurricane, Matagorda Bay, TX</td>
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<tr>
<td>1854</td>
<td>Apr 11, <strong>Pocahontas</strong> Fire, Miss. River, Island No. 78, Choctaw Bend, AR</td>
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<tr>
<td>1855</td>
<td>Apr 20, Propeller <strong>Oregon</strong> Boiler Explosion, Detroit River, ~Belle Isle, MI</td>
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<tr>
<td>1860</td>
<td>Mar 06, Steamer <strong>Alfred Thomas</strong> Boiler Explosion, Del. River, Easton, PA</td>
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<tr>
<td>1860</td>
<td>Sep 22, Gloucester, MA Schooner <strong>Neptune’s Bride</strong> Lost, Maine</td>
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<tr>
<td>1862</td>
<td>Aug 09, <strong>Illinois</strong> Hits <strong>Oriole</strong>, Fog, Lake Superior, off Munising, MI</td>
</tr>
<tr>
<td>1862</td>
<td>Oct 08, Steamer <strong>Ceres</strong> Explosion, St. Joseph Island, LA</td>
</tr>
<tr>
<td>1864</td>
<td>Aug 10, Propeller Racine boiler Explosion, Lake Erie, off Rondeau, Ontario</td>
</tr>
<tr>
<td>1865</td>
<td>Jun 3, Steamers <strong>Poland</strong> and <strong>Idaho</strong> Collide, <strong>Poland</strong> Sinks, Yazoo River, MS</td>
</tr>
<tr>
<td>1865</td>
<td>July 31, Steamer <strong>Joseph Pierce</strong> Boiler Explosion, Palmyra Landing, MS</td>
</tr>
<tr>
<td>1866</td>
<td>Jan 09, Steamer <strong>Asher Ayres</strong> Burns, Altamaha River, Darien, GA</td>
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<tr>
<td>1867</td>
<td>Mar 03, Propeller steamer <strong>Andalusia</strong> Fire and Drownings, off Hatteras, NC</td>
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<tr>
<td>1868</td>
<td>~Dec-Jan 1869, Stm., Gloucester, MA Fishing Sch. Forest Belle lost, GB</td>
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<tr>
<td>1870</td>
<td>Sep 22, Gloucester, MA Schooner <strong>Neptune’s Bride</strong> Wrecks, Maine</td>
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<tr>
<td>1871</td>
<td>Summ, East Gloucester, MA Fishing Schooner <strong>River Queen</strong> lost at sea</td>
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<tr>
<td>1872</td>
<td>Jan, Gloucester, MA Fishing Schooner <strong>Messenger</strong> lost on Western Bank</td>
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<tr>
<td>1874</td>
<td>Feb 11, Gale, Gloucester, MA Fishing Schr. <strong>B. H. Smith</strong>, Lost Grand Banks</td>
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<tr>
<td>1874</td>
<td>Mar, Gloucester, MA Fishing Schooner <strong>White Fawn</strong> lost Western Banks</td>
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<tr>
<td>1875</td>
<td>Jan, Gloucester, MA Fishing Sch. <strong>David Burnham</strong> lost on Grand Banks</td>
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<tr>
<td>1875</td>
<td>Feb, Gloucester, MA Fishing Schooner <strong>Joseph Chandler</strong> lost, Grand Banks</td>
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<tr>
<td>1875</td>
<td>Feb, Gloucester, MA Fishing Schooner <strong>J. C. Call</strong> lost, Grand Banks</td>
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<tr>
<td>1875</td>
<td>Feb, Gloucester, MA Fishing Schooner <strong>Sarah H. Cressey</strong> lost, Grand Bank</td>
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<tr>
<td>1875</td>
<td>Mar, Gloucester, MA Fishing Schooner <strong>H.B. Stanwood</strong> lost, Georges Bank</td>
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<tr>
<td>1875</td>
<td>Nov, Gloucester, MA Fishing Schooner <strong>Pharsalia</strong> Lost, Georges Banks</td>
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<tr>
<td>1876</td>
<td>~May, Gloucester, MA Fishing Sch. <strong>Saratoga</strong> hit/sunk, Georges Banks</td>
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<tr>
<td>1876</td>
<td>Sep, Gloucester, MA Fishing Schooner <strong>Walter M. Falt</strong> lost on Grand Banks</td>
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<tr>
<td>1876</td>
<td>Dec, Gloucester, MA Fishing Schooner <strong>William T. Merchant</strong> lost, Grand Bank</td>
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<tr>
<td>1878</td>
<td>Jan 2-3, Cape Cod Storm, Schrs. <strong>A.P. Avery</strong>, <strong>Powwow</strong>, <strong>F. Fish</strong> Wrecked</td>
</tr>
<tr>
<td>1879</td>
<td>Apr, Gloucester, MA Fishing Schooner <strong>Ida (or Ada)</strong> E. Baker, Western Bank</td>
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<tr>
<td>1881</td>
<td>Apr 15, Gloucester, MA Fishing Schooner <strong>Carrie S. Dagle</strong> lost, Western Bank</td>
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<tr>
<td>1885</td>
<td>Dec 25-Jan 1886, Gloucester, MA Fishing Sch. <strong>Hyperion</strong> lost, GB trip gale?</td>
</tr>
<tr>
<td>1887</td>
<td>Apr, Gloucester, MA Fishing Schooner <strong>Jamestown</strong> Lost, Western Bank</td>
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<tr>
<td>1887</td>
<td>Apr 01, Ship <strong>Eldorado</strong> (Seattle to SF) Founders off Cape Flattery, WA</td>
</tr>
<tr>
<td>1887</td>
<td>Nov-Dec, Gloucester, MA Fishing Schooner <strong>Peter D. Smith</strong> lost Georges trip</td>
</tr>
</tbody>
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1854 Cross-listed under Hurricane.
1855 Cross-listed under Fog as a contributing factor.
997. 1887 -- Nov-Dec, Gloucester, MA Fishing Schooner William Parsons, 2nd, lost, GB -- 12
998. 1887 -- Dec 20, Str. San Vicente, SF to Santa Cruz, Burns off Point New Year, CA -- 12
999. 1888 -- Nov-Dec, Gloucester, MA Fishing Schooner Carleton Lost, Georges trip -- 12
1000. 1888 -- Nov-Dec, Gloucester, MA Fishing Schooner Joseph O. lost, Georges trip -- 12
1001. 1889 -- Nov 20, Steamer Manhattan sinks, collision, Sch. Agnes Manning, off DE --10-12
1002. 1891 -- Jan-Feb?, Gloucester, MA Fishing Schooner, Veteran lost, Georges trip -- 12
1003. 1891 -- Sep, Gale, Beverly, MA Fishing Sch. Albert Woodbury Lost ~Nova Scotia --11-12
1004. 1891 -- Sep-Oct, Gloucester, MA Fishing Schooner Percy Lost, Georges Bank trip -- 12
1005. 1893 -- Aug, Gloucester, MA Fishing Sch. Pioneer lost, Georges Bank trip -- 12
1006. 1895 -- Jan 26, Barges towed by Sea King Founder, Storm, off Pt. Judith, RI -- 12
1007. 1895 -- Feb 09, Gloucester Schooner Clara F. Friend Lost ~Nova Scotia --11-12
1008. 1897 -- Oct 30, Steamer George L. Colwell Founders, Gale off Coast of SC -- 12
1009. 1899 -- Dec 05, Freighter Niagara sinks, Lake Erie Storm, 10m E, Long Pt. Ontario-- 12
1010. 1899 -- Dec 05, Ship Progreso, Fuel Tank Explosion, Fulton Shipyard, CA -- 12
1011. 1902 -- Mar 17, Monomoy Station Lifeboat Capsizes off Chatham, MA -- 12
1012. 1902 -- Dec 03, Ship Progresso, Fuel Tank Explosion, Fulton Shipyard, SF, CA -- 12
1013. 1903 -- Oct 03, Storm, Steamer Erie L. Hackley Sinks, Green Bay ~Green Isl., WI --11-12
1014. 1906 -- Jan 13, Schooner Robert H. Stevenson Grounds, Diamond Shoals, NC -- 12
1015. 1906 -- June 11, Steamer Corinthian Grounds, Humboldt Bar, CA -- 12
1016. 1907 -- April 13, Steamer Arcadia Founders, Lake Michigan, Big Sable, MI -- 12
1017. 1910 -- May 11, City of Saltillo Grounds on Rock, Sinks, Glen Park, MO -- 12
1018. 1911 -- July 07, Steamer Santa Rosa Grounds north of Point Arguello, CA -- 12
1019. 1914 -- Aug 26, Admiral Sampson Collision, Fog, Puget Sound, Point No Pt., WA 1856-- 12
1020. 1924 -- Nov 15, Rum Runner tug William Maloney Founders, storm, Newport, RI --11-12
1021. 1927 -- Apr 08, Gloucester, MA fishing schooner Clara F. Friend burns, Eastern Head, N.S. -- 12
1022. 1934 -- Jun 12, Tuna Clipper Belle Isle Sails from San Diego, CA, Lost at Sea -- 12
1023. 1936 -- June 19, Outboard Motor Boat Capsizes, Children Drown, Lake Gardner, ME-- 12
1024. 1938 -- Sep 21, New England Hurricane, Charles O. Carlson (5), Ocean View (6) 1857 -- 12
1025. 1939 -- Salmon boat Oduna sinks off Noyes Island, AK -- 12
1026. 1944 -- Apr 27, Ashcroft Rams James H. Reed, Lake Erie Fog, OH 1858 -- 12
1027. 1944 -- Sep 15, USCG Lightship LS-73 Sinks, Hurricane, off coast of MA -- 12
1028. 1945 -- May 5, Civilian US Steamer Black Point Torpedoed, off Point Judith, RI 1859-- 12
1029. 1947 -- Mar 12, Tanker Fort Dearborn, San Fran. to Shanghai, breaks up, gale, Pacific--12
1031. 1950 -- Dec 18, Tug Sachem Sinks, Lake Erie, off Dunkirk, NY -- 12
1032. 1961 -- Nov 07, M/V Union Reliance, M/V Berean, Collision, near Houston, TX -- 12
1033. 1979 -- Aug 30, Inca Tupac Yupanqui hits barge, explos./fire, MS Riv., Good Hope, LA--12

1856 Cross-listed under Fog as a contributing factor.
1857 At least one other death at sea -- from a fishing boat which foundered off Block Island, R.I.
1858 Cross-listed under Fog as Contributing Factor.
1859 Cross-listed under Violence-Attack
1860 Cross-listed under Explosions.
MARITIME Disasters – Master Set -- By MORTALITY (continued):

1034. 1822 -- Oct 27, Ship Savannah Grounds and Breaks-up ~ Fire Island, L.I., NY -- 11
1035. 1830 -- Apr 22, New Caledonia, Boiler Explodes, MS Riv, near Cairo, IL -- 11
1036. 1841 -- Sep-Oct. Yellow Fever, crew of the USS Levant, at Pensacola, FL -- 11
1037. 1847 -- Jan 29, the Tuscaloosa, Boiler Explosion, 10M from Mobile, AL -- 11
1038. 1849 -- Apr 17, Outward Bound Founders, Lake MI Stm., Manitou Passage MI -- 11
1039. 1850 -- Oct 5, Steamer Kate Fleming boiler explos., OH R. Mouth1861 ~Walker’s Bar-9-11
1040. 1851 -- Fishing Schooner Hamilton Lost -- 11
1041. 1851 -- Aug 20, Steamboat Dacotah, Explosion, Peoria, IL -- 11
1042. 1853 -- June 20, Steamboat New World, Boiler Explosion, New York, NY -- 11
1043. 1854 -- May 12, Steamer Pike Snags/Sinks, Big Eddy, Wilkinson’s Landing, MO -- 10-11
1044. 1855 -- Nov 3, Delaware Grounds, Lake MI Storm, 8m off Sheboygan, WI -- 11
1045. 1857 -- Mar 31, Steamer Forest Rose Boiler Explosion Miss. River, ~Napoleon, AR-- 11
1046. 1858 -- May 12, Steamboat Pike Snags/Sinks, Big Eddy, Wilkinson’s Landing, MO -- 10-11
1047. 1859 -- Aug 26, Ships Comet & Manitoba Hit, 7M SE Whitefish Point, WI -- 11
1048. 1861 -- Nov 4-15, 1862 WW Arnold Grounds, Lake Sup. Storm, Two Hearted River, MI-- 11
1049. 1870 -- Jan, Gloucester, MA Fishing Schooner Viking lost, on way to Grand Banks -- 11
1050. 1871 -- Jul 3, Cal. Brig Sheehoff disabled Pacific Ocean storm, starvation, found Oct 19-11
1051. 1872 -- Mar, Gloucester, MA Fishing Schooner J. H. Orne lost on Georges Bank -- 11
1052. 1875 -- Apr 29, Fishermen Drown off Saint Joseph, MI -- 11
1053. 1875 -- Aug 26, Ships Comet & Manitoba Hit, 7M SE Whitefish Point, WI -- 11
1054. 1876 -- Feb 19-Mar 02~, Gale, Sch. Tucumseh, Strands, Fenwick Isl. Shoals, MD -- 10-11
1055. 1876 -- Mar 20, Gloucester, MA Fishing Schooner Janet Middleton Lost on GB -- 11
1056. 1876 -- Apr 29, Fishermen Drown off Saint Joseph, MI -- 11
1057. 1876 -- Dec 01, Steamboat Sunnyside hits Ice/Sinks, Hudson, near West Park, NY -- 11
1058. 1876 -- May 1, Propeller Gov. Cushman Explodes, Buffalo, NY -- 11
1059. 1876 -- May 1, Propeller Gov. Cushman Explodes, Buffalo, NY -- 11
1060. 1876 -- Dec, Gloucester, MA Fishing Sch. Modena B. Jerauld Lost, La Have Bank-- 11
1061. 1877 -- Jan, Gloucester, MA Fishing Schooner Mary Burnham lost, La Have Bank -- 11
1062. 1883 -- May 22, Schooner Wells Burt founders, Lake MI Storm, off Evanston, IL -- 10-11
1063. 1884 -- June 8, Ferry Boat goes over Falls, Drownings, Thompson’s Falls, MT -- 11
1064. 1886 -- Mar 16, Stm. Beda, Columbia Ri. to SF CA Founders ~Cape Perpetua, OR-- 11
1065. 1886 -- Sep, Steamboat Julia Boiler Explosion -- 11
1066. 1888 -- Jan 09, Ship John T. Berry, Philadelphia, Pa. to Japan, Burns at Sea -- 11
1067. 1889 -- Jan 05, Steamer Paris C. Brown Snags and Sinks, Hermitage Landing, LA -- 8-11
1068. 1889 -- Feb 22, Nova Scotia Bark Josie Troop Wrecks at Chicamacomico, NC -- 11
1069. 1892 -- Feb 19-Mar 02~, Gale, Sch. Tucumseh, Strands, Fenwick Isl. Shoals, MD -- 10-11
1070. 1895 -- Nov 23-Dec, Gloucester Fishing Schooner Falcon Lost, Georges Bank trip -- 11
1071. 1896 -- Oct 14, NY Fishing Smack W.W. Story last seen off Absecon, NJ -- 11
1072. 1900 -- Sep 11, John B. Lyon Sinks, Lake Erie Storm, off Conneaut, OH -- 11
1073. 1902 -- Dec 17, Schooners Louise B. Crary/Frank A. Palmer Collide, Gloucester, MA--11
1074. 1904 -- May 26, Tow Fred Wilson, Boiler Explosion, W. Louisville, KY -- 11

1861 This would put the event between Illinois and Kentucky.
1862 Four dates are provided in the accounts cited in narrative, Nov 1, on or after Nov 4, Nov 11, and Nov. 15.
MARITIME Disasters – Master Set – Deadliest American -- By MORTALITY (continued):

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1863</td>
<td>1860-1865</td>
<td>Cross-listed in Explosions in that the pipeline ruptured near a drilling rig, causing an explosion and resulting fire.</td>
<td>Sabine Pass, TX</td>
<td></td>
</tr>
<tr>
<td>1864</td>
<td>1866</td>
<td>Cross-listed in Fog as Contributing Factor.</td>
<td>Gulf of Mexico</td>
<td></td>
</tr>
<tr>
<td>1865</td>
<td>1864-1870</td>
<td>Cross-listed in Violence (Attack). This was before Pearl Harbor and U.S. declarations of war.</td>
<td>Various</td>
<td></td>
</tr>
</tbody>
</table>

1863 Cross-listed in Violence (Attack). This was before Pearl Harbor and U.S. declarations of war.
1864 Cross-listed in Fog as Contributing Factor.
1865 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.

466
1115. 1816 -- June 9, Steamboat *Washington* Explosion, Point Harmar, OH -- ~10
1116. 1832 -- Oct 5, Schooner *Eliza Whittlesey* capsizes, squall, Lake Erie off Ashtabula, OH-10
1117. 1837 -- Jun 19, Steamboat *Crusader* Boiler Explosion, Rabbit Island, LA -- ~10
1118. 1839 -- Nov 18, *Wilmington* Boiler Explos., MS Riv., ~AR Riv. and Napoleon, AR-- 6-10
1119. 1843 -- Aug, Gloucester MA Fishing Schooner *The Byron* Lost, “South Channel” -- 10
1120. 1845 -- Feb 08, Steamer *Siren*, Boiler Explosion, below Chattahoochee, FL -- 9-10
1121. 1845 -- Aug 12, Collis., Steamers *London*, *Kent* (Sinks), L. Erie, Pt Pelee, Ontario -- 10
1122. 1848 -- Apr 18 Schooner *Tribune* lost Lake MI., found ~Cathead Point, MI -- 10
1123. 1849 -- by Mar 24, Cholera, Steamboat *Yorktown*, MS Riv. before reaching Cairo IL -- 10
1124. 1849 -- Oct 06, Gloucester MA Fishing Sch. *Levi Woodbury* Lost, Severe Storm -- 10
1125. 1851 -- Apr 10, Fishing Schooner *Harvest Home* of Newcastle, NH Lost -- 10
1126. 1852 -- Jan 14, Steamer *Martha Washington* Burns, MS Ri., Island #65 ~Jackson Pt.-5--10
1127. 1852 -- Dec 14, Steamer *Magnet* Boiler Explosion, OH Riv., Grandview Island, WV-- 10
1128. 1853 -- Feb 16/26, Brig *Vintage Sails*, Salem, MA for West Coast of Africa, Lost -- 10
1129. 1854 -- Mar 08, Schooner *Robert Walsh* lost off Cape Hatteras, NC -- 10
1130. 1854 -- Nov 13, Propeller *Bucephalus* Sinks in Lake Huron storm ~Bird’s Creek, MI-- 10
1131. 1856 -- ~Aug 16, Ship *Manila* “Lost” off Timbalier Island, LA -- 10
1132. 1864 -- Nov 8, *Mojave* Sinks, mid Lake MI betw. Sheboygan WI, Big Sable Point -- 10
1133. 1866 -- Sep 29, Steamer *Julia*, Steam Drum Explosion, San Francisco, CA -- 10
1134. 1867 -- May 04, Steamer *Main* Capsized in Storm on Lake Pontchartrain, LA -- 10
1135. 1868 -- Jun, Gloucester MA Fishing Schooner *General Butler* lost, Georges Bank -- 10
1136. 1868 -- Sep 16, *Persian* Hit by E.B. Allen, L. Huron 3m off 40-Mile Point, MI -- 10
1137. 1870 -- Jan 25, Gloucester, MA Fishing Schooner *Weather Gage* lost, Grand Banks-- 10
1138. 1870 -- Mar, Gloucester MA Fishing Schooner *William F. Pool* lost on Georges Bank-- 10
1139. 1870 -- Oct, Gloucester, MA Fishing Schooner *Alatamaha* lost, Georges Bank -- 10
1140. 1871 -- Oct 3, Hurricane, TX Coast, Steamer *C. K. Hall* Lost off Cedar Point TX1867... >10
1141. 1875 -- Mar Gloucester, MA Fishing Schooner *William C. Endicott* lost, Georges Bank-10
1142. 1875 -- July 6, Steamer *Isaac Bell* & tug *Lumberman* Collide, Hampton Roads, VA-- 10
1143. 1876 -- Apr 8, Gloucester, MA Fishing Schooner *Henrietta Greenleaf* Capsizes, ~GB-- 10
1144. 1876 -- Oct, Gloucester, MA Fishing Sch. *Joseph F. Allen* Lost on Western Bank -- 10
1145. 1876 -- Dec, Gloucester, MA Fishing Schooner *D. E. Woodbury* lost, trip to GB -- 10
1146. 1876 -- Dec, Gloucester, MA Fishing Schooner *J.F. Huntress* Lost, La Have Bank -- 10
1147. 1876 -- Dec, Gloucester, MA Fishing Schooner *John S. Tyler* lost, La Have Bank -- 10
1148. 1876 -- Dec, Gloucester, MA Fishing Schooner *Wyoming* Lost, La Have Bank -- 9-10
1149. 1879 -- Oct-Dec, Gloucester MA Fishing Sch. *Harvey C. Mackay* Lost, Grand Banks-- 10
1150. 1880 -- Aug, Bark *Emma C. Litchfield*, St. Mary’s, GA to Buenos Aries lost at sea -- 10
1151. 1880 -- Aug 9, Steamer *Bonnie Lee* Boiler Explosion, Lenoir Pt., Red River, LA -- 9-10
1152. 1882 -- Jan 22, Bark *F. L. Carney*, Shipwreck, South Hatteras Inlet, NC -- 8-10
1153. 1883 -- Jan 29, Steam Collier *Tacoma* grounds off Umpqua, OR -- 10
1154. 1883 -- May 25, Steamboat *Pilot* Boiler Explosion, Petaluma Riv. near Lakeville, CA-- 10

1866 Cross-listed in Explosions.
1867 Cross-listed under Hurricane.
1155. 1883 -- Sep, Gloucester MA Schooner Charles Hildreth lost, trip to Georges Bank -- 10
1156. 1884 -- Jan 23, Raft upset/drownings, Upper Cumberland River, near Carthage, TN-- 9-10
1157. 1884 -- Jun 27, Schooner Deborah H. Diverty Founders, storm, off Beck’s Beach, NJ-- 10
1158. 1885 -- Aug, Schooner Washington, Appalachicola, FL to NYC, Lost at Sea -- 10
1159. 1886 -- Aug-Sep, Gloucester, MA Fishing Sch. John F. Wonson lost, Brown’s Bk. -- 10
1160. 1887 -- Jul-Oct, Bark Isabel, Rockland, ME to Pensacola, FL, Lost at Sea -- 10
1161. 1890 -- Nov 24, NY Steam-Yacht F.L. Norton, leaves New London for France, lost -- 10
1162. 1893 -- Aug 24, Schooner Empire State Sinks, Storm, off Barnegat, NY -- 10
1163. 1895 -- Apr 22, Storm, Rappahannock Riv., Middlesex Co., Burham’s Wharf, VA -- 10
1164. 1896 -- May 10, Harry Brown, Boiler Explosion, MS Riv. ~Ursina Landing, MS -- 10
1165. 1899 -- Mar 07, Steamer James Bowen Founders off Hog Island, VA -- 10
1166. 1899 -- Apr 04, Chilkat Wrecks in “Heavy Sea,” Humboldt Bay Bar, CA -- 10
1167. 1902 -- Oct 13, Storm, C.B. Lockwood, lifeboat lost, Lake Erie, off Fairport Harbor, OH-- 10
1168. 1902 -- Dec 05, Schooner Wesley M. Oler Founders off Hatteras Inlet, NC -- 10
1169. 1906 -- Jan 10, Bark Nicholas Thayer Lost from Seattle WA for Seward, AK -- 10
1170. 1906 -- Apr 13, Battleship USS Kearsarge Turret Powder Fire off Cape Cruz Cuba -- 10
1171. 1907 -- July 15, USS Georgia Gun Turret Powder Explosion off Cape Cod, MA -- 10
1172. 1907 -- Oct 22, Gloucester, MA fishing sch. Clara G. Silva loses five dories, storm -- 10
1173. 1908 -- Jan 08, Schooner John F. Miller Grounds, Nelson Lagoon, AK -- 10
1174. 1908 -- Jan/Feb, Gloucester Fishing Schooner Northern Eagle, lost, Gulf of Mex. -- 9-10
1175. 1908 -- July 24, Bark Auburndale Lost from Turks Island (Carib.) to Philadelphia PA-- 10
1176. 1909 -- Jan 25, Schooner William C. Tanner Lost, Rockport, MA to Key West, FL -- 10
1177. 1909 -- Dec 23, Schooner Susie M. Plummer abandoned, Cape Flattery, WA -- 10
1178. 1910 -- Jan 22, Schooner Henry B. Fiske of Boston, Capsizes off Nantucket MA -- 8-10
1179. 1911 -- Jan 21~, Gloucester Sch. Ella M. Goodwin departs Bay of Islands, NFL, lost-- 10
1180. 1911 -- Aug 26, Schooner Margaret A. May Founders, Kiawah Island, SC -- 10
1181. 1912 -- Feb 29, Steamer J.E. Trudeau Burns, Belle River, LA -- 10
1182. 1912 -- Mar 15, Gloucester Schooner Patrician founders, Jordan Bay, Nova Scotia -- 10
1183. 1912 -- Dec 15, Schooner S.O. Co. No. 87 Founders, Gulf of Mexico -- 10
1184. 1913 -- June 28, Raft ferry sinks, Drownings, Kiskiminetas River, near Leeuchburg, PA--10
1185. 1913 -- Dec 26, Barges A.G. Ropes & Undaunted Founder, off Barneget, NJ -- 10
1186. 1915 -- Apr 03, Cumberland, 2 Barges Wreck, Storm, Cape Henlopen, DE -- 10
1187. 1915 -- Apr 5, Gale, Sch. John B. Manning found bottom-up 20m N, Hatters NC -- 10
1188. 1920 -- Feb 19, Schooner Henry W. Cramp Lost, Norfolk VA to Dominican Rep. -- 10
1189. 1921 -- Nov 21, Tug Sea Eagle hit by large wave in storm, Capsizes, ~Yaquina, OR-- 9-10
1190. 1923 -- Apr 6, Steamer John Dwight sinks, suspected rum runner, Vineyard Sound, MA-- 8-10
1191. 1924 -- July 05, Ship Three Rivers Fire, Chesapeake Bay, Cove Point, MD -- 10
1192. 1930 -- Sep 01, Seattle Sch. Orient Collides with Admiral Nelson, ~Vancouver Isl., BC--10
1193. 1942 -- Jan 8, Army’s General Richard Arnolld Sinks off Isles of Shoals, NH -- 10
1194. 1943 -- Apr 19, Cabin Cruiser Legionnaire Sinks, South Bay, off Long Island, NY -- 10
1195. 1945 -- Jan 2, Sun Oil Tanker Sunoco, Fire/Explosion, off Sandy Hook, NJ -- 10
1196. 1957 -- Jan 29, Tanker SS Jeanny, Vapor Explosion, Shipyard, Alameda, CA1868 -- 10
1197. 1957 - Mar 6, Navy Tanker Mission San Francisco & Elna II collis./explo., Del Ri., DE1869-10

1868 Cross-listed under Explosions
1198. 1960 -- Oct 22, Alcoa Corsair Collision, Mouth of Mississippi River, LA  --  10
1199. 1965 -- May 7, Ships Collide, Fog, Cedarville Sinks, Mackinac Straits, MI\textsuperscript{1870}  --  10
1200. 1972 -- Nov 7, Freighter Hits Sidney Lanier Bridge, Span Collapse, Brunswick GA\textsuperscript{1871}  --  10
1201. 1978 -- Dec 9/10, Holo-Holo Departs Honolulu, Lost off HI  --  10
1202. 1987 -- Feb 5, Fishing vessel Fish-n-Fool (LA, CA) capsizes ~Isla De San Martin, MX-10

**Notable Other:**

1893 -- Aug 03, Steamer Rachel Sinks, Lake George, ~Fourteen Mile Island Hotel, NY  --  9
1957 -- Jun 27, Hurricane Audrey, fishing schooner Keturah down off Galveston coast  --  9
2001 -- Sep 15, Barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX  --  8
1908 -- Sep 1, Drownings, Sloop Capsizes in Squall, Penobscot Bay off Deer Isle, ME  --  7
1891 -- Oct 22, Gale, Fishing Schooner Red Wing breaks in surf, ~Indian Riv. Inlet, DE  --  6
1991 -- Oct 28-Nov 1, Perfect Storm Nor’easter, East Coast, Andrea Gail Lost  --  6

\textsuperscript{1869} Cross-listed in Hazardous Materials Transportation.
\textsuperscript{1870} Cross-listed in Fog as contributing condition.
\textsuperscript{1871} Cross-listed in Road/Highway and in Structural Collapse/Bridge.
1. 1635 -- Aug 14/15, Pinnace *Watch and Wait* Wrecks, Storm, Thacher Island, MA -- 21
2. 1700 -- Sep 14, Hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC\(^{1872}\) -- ~100
3. 1705 -- Dec 19-21, Privateer *Castle Del Rey*, Grounds/Breaks-up, Sandy Hook, NJ -- 132
4. 1716 -- Five Gloucester MA Fishing Vessels Lost, Voyage to Cape Sable -- ~20
5. 1766 -- Mar, Storm, 7 Gloucester MA Fishing Boats Sink, Grand Banks -- ~40
6. 1771 -- Early, *Beaver* 2nd lost on Lake Erie near Sandusky, OH -- 17
7. 1777 -- Privateer *The Gloucester* Lost, out of Gloucester, MA -- ~60
8. 1778 -- Privateer General Arnold (81) and sloop General Stark (20) ground in gale, MA--101
10. 1781 -- Mar 18, Gale, Continental Sloop *Saratoga* Lost off the Bahamas\(^{1873}\) -- ~86
11. 1785 -- Sep 02, Immigrant Ship *Faithful Steward* Grounds, Coast of DE\(^{1874}\) -- >200
12. 1786 -- Dec 5, Gale, sloop grounds, Lovell’s Isl., Brig at Pt. Shirley, Boston Harbor, MA--18
13. 1792 -- Jul 1, Storm or Tornado, Philadelphia and NYC, Boaters Drown -- ~40
14. 1798 -- Nov 17-21, New England Blizzard and Maritime Storm\(^{1875}\) -- >25
15. 1799 -- Sixty Alaskan Native Bidarka’s lost in storm, Hinchinbrook entrance, AK -- 200
16. 1799 -- Jun-Jul, Frigate USS *General Greene*, Yellow Fever, Cuba to Portsmouth NH\(^{1876}\) -- >20
17. 1799 -- Nov-Feb 1880, Ship USS *Delaware*, Yellow Fever, Curacao, Caribbean\(^{1877}\) -- 20
18. 1800 -- Feb 01, U.S. Frigate *Constellation* engagement with French *La Vengeance*\(^{1878}\) -- 160
19. 1800 -- ~Sep, Revenue Cutter Brig USS *Pickering* Lost, Gale/Hurricane off FL\(^{1879}\) --70-105
20. 1800 -- Sep 20 (after), USS *Insurgent* disappears after leaving Hampton Roads, VA -- 340
21. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA\(^{1880}\)-- 14
22. 1803 -- March, Massacre, Crew of American ship *Boston*, Nootka, Vancouver Isl.\(^{1881}\) -- 25
23. 1804 -- Sep 7-9, GA and SC Hurricane (>500 deaths land and sea)\(^{1882}\) -- >30

\(^{1872}\) Cross-listed in Hurricanes.
\(^{1874}\) Cross-listed in Hurricane, though there is some question that the hurricane was the primary factor.
\(^{1875}\) There was a much larger loss of life, but we do not know the approximate 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.
\(^{1876}\) There were at least 1,335 yellow fever deaths in 1799 -- principally Charleston, SC, NYC, and Philadelphia.
\(^{1877}\) There were at least 1,355 yellow fever deaths in 1799 -- principally Charleston, SC, NYC, and Philadelphia.
\(^{1878}\) Cross-listed in Violence-Attack.
\(^{1879}\) Cross-listed in Hurricanes.
\(^{1880}\) Cross-listed under Winter Storms.
\(^{1881}\) Cross-listed in Violence – Massacres of Whites by Natives.
\(^{1882}\) We do not know, and do not think it is 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:
26. 1807 -- July, South Ferry scow Sinks, Hudson River, Albany, NY
27. 1807 -- July 11, Schooner *Charles*, Wrecks on Reef, fog, west of Portland Light, ME

**MARITIME Disasters – Master Set – Deadliest American – CHRONOLOGICAL** (Cont.)

28. 1810 -- Sep 11, USN *Gun Boat #159* Sinks in Gale in Chesapeake Bay -- 13
29. 1811 or 12 -- Oct 05, USS *Gun Boat #2*, Sinks in Gale off St Mary’s GA -- 40
30. 1811 -- Dec 16-Feb 7, 1812, New Madrid Earthquakes, Mississippi River boats -- ~200
32. 1813 -- Aug 08, Schooners USS *Hamilton* & *Scourge* Capsize, Squall, Lake Ontario -- >80
33. 1813 -- Sep 17, Navy Gun Vessel. *No. 164* Sinks, Hurricane, Charleston, SC
34. 1814 -- Jun 30, Schooner USS *Alligator* Sinks, Tornado, Port Royal Sound, SC
35. 1815 -- Jan 23, Portland ME Privateer *Dash* lost, presumably on George’s Bank -- 63
36. 1815 -- Aug 8, Last sighting of Sloop-of-War USS *Epervier*, Lost, Atlantic Ocean -- 134
37. 1816 -- Jun 09, Steamboat *Washington* Explosion, Point Harmar, OH -- ~10
38. 1817 -- May 4, Steamship *Constitution* Boiler Explosion, MS River, Point Coupee, LA --10-30
40. 1820 -- Jan 11, Last sighting of Schooner USS *Lynx*, St. Mary’s, GA to Jamaica -- 50
41. 1820 -- Mar 6, USN Chartered Schooner *Quaker* Sinks in Gale, Chesapeake Bay --41-46
42. 1820 -- Mar 20, Steamboat *Buffalo* Explosion, Owensboro, KY -- 17
43. 1821 -- Sep 17, Schooner *Washington* strands, hurricane, Bay St. Louis, MS
44. 1821 -- Oct 25, *Sea Fox* Capsizes, storm, same day as sailing from NYC, NY -- 12
45. 1822 -- May 8-July 24, Yellow Fever, U.S. Frigate *Macedonian*, Caribbean -- 101
46. 1822 -- July-Aug, Yellow Fever, U.S. Brig *Enterprise*; Caribbean to NYC & at NYC -- 19
47. 1822 -- Oct 27, Ship *Savannah* Grounds and Breaks-up near Fire Island, L.I., NY -- 11
48. 1823 -- Feb 08, Steamboat *Tennessee* Snags, Mississippi River, near Natchez, MS -- 60
49. 1824 -- May 15 Steamer *Aetna* Boiler Explosion, New York Harbor, NY --10-13

*brig Consolation, and schooners Favourite, Liberty (all hands lost) Pasy, 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.*

*1883 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.*

*1884 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.*

*1885 Cross-listed in Fog as a Contributing Condition*

*1886 Cross-listed in Hurricanes*

*1887 Cross-listed in Tornadoes.*

*1888 Cross-listed under Hurricane.*

*1889 Cross-listed in Hurricanes (subset of 35 total fatalities).*

*1890 The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.*
50. 1824 -- Oct 28, Schooner USS *Wildcat* Founders, Gale, Cuba to Thompson’s Isl. W.I. -- ~31

**MARITIME** Disasters – **Master Set** -- **Deadliest American** – **CHRONOLOGICAL** (Cont.)

51. 1825 -- May 05, Steamer *Teche*, Explos. MS R., St. Catherines Creek, ~Natchez MS --15-60

52. 1828 -- May 14, *Car of Commerce* Boiler Explos., MS. River, Canadian Reach, AR -- 30

53. 1829-30, Brig *Kamehameha* lost, Honolulu HI, Dec 2, for Eromango island --250--300

54. 1829 -- Jun 04, Steam Frigate *Fulton*, Magazine Explos., Navy Yard, Brooklyn NY\(^{1891}\) 24-40

55. 1829 -- Sep 16, *William Peacock* Steam Pipe Explodes, Lake Erie, near Buffalo, NY -- 15

56. 1829 -- Sep 29, Brig USS *Hornet* Disappears, Gale off Tampico, Caribbean -- 145

57. 1830 -- Feb 24, Steamboat *Helen McGregor* Boiler Explosion, Memphis, TN --33-60

58. 1830 -- Apr 01, *Tri-Color* Explosion, Ohio River, Wheeling, WV -- 15

59. 1830 -- Apr 22, Steamer *Chief Justice Marshall* Boiler Explosion, Hudson River, NY -- 15

60. 1830 -- Apr 22, *New Caledonia* Boiler Explodes, Mississippi River, near Cairo, IL -- 11

61. 1831 -- May 14, Steamboat *Coosa* sinks, collision with *Huntress*, ~Caruthersville, MO-- 13

62. 1831 -- June 9, *General Jackson* Explosion, Hudson River, Grassy Point, NY -- 12

63. 1831 -- July-Aug, Schooner USS *Sylph* Lost after leaving Pensacola, FL -- 13

64. 1832 -- Apr 9, Steamer *Brandywine* Burns, Miss. River, Brandywine Island, AR --60-155

65. 1832 -- June 2, Steamer *Hornet* Capsizes, Storm, Ohio River, Maysville, KY -- 20

66. 1832 -- Oct 5, Schooner *Eliza Whittlesey* capsizes, squall, Lake Erie off Ashtabula, OH-- 10

67. 1832 -- Nov-Dec (especially), Cholera, East Coast, Mississippi and Ohio river boats\(^{1892}\) --25-95

68. 1833 -- June-July (esp.), Cholera, esp. Brig *Ajax*, Steamers *Chester & Tobacco Plant*\(^{1893}\) --190

69. 1833 -- Late Oct/early Nov, Steamship *Caspian* Burns, near Mouth of Red River, MS -- 40

70. 1833 -- May 19, St. *Lioness* Fire/Gunpowder Explos., Red River, Montgomery, LA --14-16

71. 1833 -- June 7, Steamer *Peruvian* Boiler Explosion, MS River, ~New Orleans LA\(^{1894}\) --50-60

72. 1833 -- Oct 16, Boiler Explosion, Steamer *New England*, CT River, Essex, CT --13-20

73. 1833 -- Oct 31, Steamer *St. Martin* Burns, Mississippi River, Donaldsonville, LA --30-40

74. 1833 -- Nov, Steamship *Caspian* Burns, near Mouth of Red River, LA --25-40

75. 1833 -- Nov 08, Steamship *Illinois Boiler* Explosion, Miss. River, near Cairo, IL -- 13

\(^{1891}\) Cross-listed in Explosions.

\(^{1892}\) We do not know actual number, but speculate is was very much in access 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).

\(^{1893}\) 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.

\(^{1894}\) 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.
76. 1834 -- Cholera, Steamboats Champion (8), Chicago (2), and Kentuckian (18) -- 29
77. 1834 -- April 12, Steamer St. Louis Boiler Explosion, Des Moines Rapids, IA -- 14
78. 1834 -- Oct 24, Missouri Belle Sinks, Collision (Boonslick), ~Kenner & N.O., LA -- 30

79. 1835 -- May 15, Steamboat Majestic boiler collapse/explosion, Memphis TN -- 38-40
80. 1835 -- Oct 1, Steamer Carrollton Explosion, Baton Rouge, LA -- 8-15
81. 1835 -- Dec 2, Lady Franklin Sinks, hit by Portsmouth, OH Ri., 2m ~Owensboro KY -- 15-18

82. 1836 -- Mar 12-13, Steamboat Ben Franklin Boiler Explosion, Mobile, AL -- 11-30
83. 1836 -- Jun 09, Steamboat Rob Roy Boiler Explos., Miss. River, near Columbia, AR -- 17-20
84. 1836 -- Aug 09, Steamer Motto Boiler Explos., Blennerhasset’s Island, OH Riv., WV -- 12
85. 1836 -- ~Oct , Steamer Nicholas Biddle Boiler Explosion, below Memphis, TN -- 13-15
86. 1836 -- Nov 21/22, storm, U.S. ship Bristol Wrecks, Far Rockaway Beach, Long Isl., NY-- 64-89
87. 1836 -- Dec 19, Schooner Dolphin Boiler Explosion, off St. Johns Bar, FL -- 15

88. 1837 -- Jan 02, Barque Mexico Grounds, Hempstead Beach, S. Shore Long Island, NY-- 116
89. 1837 -- Mar 17, Steamboat Tiskilwa hit by the Wisconsin, near mouth Ill. River, IL -- 10-20
90. 1837 -- May 08, Steamer Ben Sherrod Explosion/Fire, MS River, Fort Adams, MS -- 72-230
91. 1837 -- Jun 19, Steamboat Crusader Boiler Explosion, Rabbit Island, LA -- ~10
92. 1837 -- July 28, Sidewheel Chariton Boiler Explosion, St. Louis, MO -- 12
93. 1837 -- Apr, Georges Bank Gale, 3 Fishing Boats Lost out of Gloucester MA -- 24
94. 1837 -- Aug 15, Steamer Dubuque Boiler Explosion, Miss. Ri. Muscatine Bar, IA -- 16-27
95. 1837 -- Oct 09, Storm, Steamship Home Shipwrecks at Ocracoke Island, NC1895 -- 90-100
96. 1837 -- Oct 31, Monmouth & Tremont Collide, MS Riv, Prophet Island Bend, LA -- 234-400
97. 1837 -- Dec 27, Black Hawk Boiler Explos./Fire, MS River, Black Hawk Pt., LA -- 30-50

98. 1838 -- Barque Edward Quesnel Wrecks on Nepeague Beach, Long Island, NY -- 10-12
99. 1838 -- Apr 21, Steamer Oronoko flue collapse/explos., MS River, Princeton MS-- 100-130
100. 1838 -- Apr 25, Steamboat Moselle Boiler Explosion/Fire, near Cincinnati, OH -- 81-200
101. 1838 -- June 14, Steamer Pulaski Boiler Explodes/Sinks off Cape Lookout, NC -- 100-141
102. 1838 -- Jun 16,1896 George Washington (2d) Burns, Lake Erie, ~Silver Creek, NY -- 20-60
103. 1838 -- Sep 7, Sloops Alabama, Dread, Caution wreck, storm, near Cape Flor., FL1897->20
104. 1838 -- Nov 19, Drownings, Lock and Dam No. 3, Green River, Rochester, KY -- 15
105. 1838 -- Nov 25, General Brown Boiler Explosion, Mississippi River, Helena, AR -- 30-60
106. 1838 -- Dec 03, Augusta Boiler Explos., Miss. Riv. between Natchez/Vicksburg, MS-- 20

107. 1839 -- May 6, George Collier Steam Escape, Miss. River at Red River mouth, LA -- 26-30
108. 1839 -- May 08, Last seen, Schooner USS Sea Gull, Tierra del Fuego to Valparaiso -- 15
109. 1839 -- Late Summer or Fall, Steamboat Corsair, Yellow Fever, Mississippi River -- 15

1895 Cross-listed in Hurricanes.
1896 There are conflicting reports as to the exact date as well ambiguity in others, but it would appear that June 16th is the correct date.
1897 Subset of Sep 7, 1838 Hurricane near Cape Florida, FL taking 38 lives in total.
110. 1839 -- Nov 18, *The Wilmington* Boiler Explosion, Miss. River, near Arkansas. River-- 10
111. 1839 -- Dec 15, Winter Gale, Maritime losses, MA coast/harbors, esp. Gloucester1898 64-90
112. 1839 -- Dec 22-23, Gale, Maritime losses (*Henry, Lloyd, Pocahontas*), NJ, esp. MA--24-25

**MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (Cont.)**

113. 1840 -- Jan 13, Steamer *Lexington* Fire/Sinks, Long Island Sound, NY --118-156
114. 1840 --Mar 25, Brig *Escambia* founders betw. Frying Pan Shoals/Cape Lookout, NC-12-15
116. 1840 -- May 07, Tornado, Steamboat *Hinds* sunk, Natchez, MS1899 -- 51
117. 1840 -- May 10, Schooner *Keola* sinks after ballast shifts, off Kahoolawe, Hawaii --26-36
118. 1840 -- Nov 1, 7, 9 or 10, Flue Collapse, Steamer *Persian*, MS Ri., ~Napoleon AR --23-24
119. 1840 -- Dec 12, Steamboat *Cherokee* Explosion,, Arkansas. River, Lewisburg, AR -- 17
120. 1841 -- Feb 13, Steamer *Lamplighter* Disabled/Sinks, Storm, East Pass, FL --19-35
121. 1841 -- Feb 22, Fire, Steamer *Creole*, Miss. River, Torras, ~Red River Mouth, LA --12-36
122. 1841 -- Mar 11, Steamer *President* sails from New York, not heard from again -- 136
123. 1841 -- Aug 09, *City of Erie* Explo./Fire, Silver Creek, Lake Erie, 60m ~Buffalo--173-250
125. 1841 -- Aug 29, Steamboat *Keokuk* Snags, Miss. River, St. Genevieve Island, MO --11-13
126. 1842 -- Feb 19, Steam Towboat *Mohican* Boiler Explos., MS Ri., New Orleans, LA--10-14
127. 1842 -- Feb 25, Steamboat *North Star* Boiler Explosion & Fire, Tuscaloosa, AL --15-16
128. 1842 -- Apr 04, Launch from U.S Steam Frigate *Missouri* sinks, Potomac River -- 16
129. 1842 -- Apr 14, Steamer *Medora* Boiler Explosion, Baltimore Harbor, MD -- 28
130. 1842 -- May 06, Sail boat *Polka* tips/Sinks, off Thompson’s Island, Mass Bay, MA -- 25
131. 1842 -- Jul 03, Steamboat *Edna* Boiler Explosion, near Mouth of MO River, MO -- 55
132. 1842 -- Oct 8, *S.B. Eliza* Snags/Sinks, MS Ri. ~5m above mouth OH Ri, IL Shore --30-40
133. 1842 -- Nov 30, Coastal Storm, *Isadore* lost, Cape Nedock ME, also MA and NH --28-30
134. 1843 -- Mar ~15, USS *Grampus* Lost, presumably gale off Charleston, SC -- 25
135. 1843 -- Mar 17, Steamboat *Cutter* Flue Collapse, Pittsburgh, PA -- 15
136. 1843 -- Aug, Gloucester MA Fishing Schooner *The Byron* Lost, “South Channel” -- 10
137. 1843 -- Sep 19, Steamboat *Clipper No. 1* Boiler Explosion, near Bayou Sara, LA --20-33
138. 1843 -- Sep 25, Gale, Steamer *Sarah Barnes* Sinks in Gulf, west of Sabine Pass, TX--17-18
139. 1844 -- Jan 03, Steamboat *Shepherdess* Snags/Sinks, 3M No of St. Louis, MO --57-100
140. 1844 -- Mar 01, Steamers *Buckeye & De Soto* Collide, MS River, ~Atchafalaya, LA--50-80
141. 1844 -- Jun 19, Sidewheel Steamer *Palestine* Fire and Drownings, MS Ri., ~Cairo, IL -- 12
142. 1844 -- Aug 12, Steamer *Louisiana* Boiler Explosion, 15 miles north Bayou Sara, LA-- 17
143. 1844 -- Oct 23, *Lucy Walker* Boiler Explosion/Fire, Ohio Ri., near New Albany IN-- 18-100
144. 1844 -- Dec 14, Collision, *Belle of Clarksville/Louisiana*, MS River, ~Memphis, TN-31-36

1898 Cross-listed in Winter Storms.
1899 Cross-listed in Tornado. 586 people estimated to have been killed due to this tornado.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1845</td>
<td>Feb 08</td>
<td>Steamer <em>Siren</em> Boiler Explosion, below Chattahoochee, FL</td>
<td>FL</td>
<td>9-10</td>
</tr>
<tr>
<td>1845</td>
<td>Apr 07</td>
<td>Steamer <em>Swallow</em> Grounds, Hudson River, near Athens, NY</td>
<td>NY</td>
<td>15-40</td>
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<tr>
<td>1845</td>
<td>July 01</td>
<td>Steamboat <em>Marquette</em> Boiler Explosion, New Orleans, LA</td>
<td>LA</td>
<td>13-50</td>
</tr>
<tr>
<td>1845</td>
<td>Aug 12</td>
<td>Steamers <em>London &amp; Kent</em> (Sinks), Collision, L. Erie, Pt Pelee, Ont.</td>
<td>L. Erie, Pt Pelee, Ont.</td>
<td>10</td>
</tr>
<tr>
<td>1845</td>
<td>Oct 27</td>
<td>Steamer <em>Plymouth</em> collision with <em>Lady Madison</em>, ~Shawneetown, IL</td>
<td>IL</td>
<td>20-30</td>
</tr>
<tr>
<td>1845</td>
<td>Dec 11</td>
<td>Steamer <em>Caspian</em> Snags/Sinks, Miss. River, Island No. 25, AR</td>
<td>AR</td>
<td>40</td>
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<tr>
<td>1845</td>
<td>Dec 18/19</td>
<td>Steamer <em>Belle Zane</em> Snags/Capsizes, Miss. River, Island No. 75</td>
<td>AR</td>
<td>30-76</td>
</tr>
<tr>
<td>1846</td>
<td>Feb 13/14</td>
<td>Steamers <em>Congress &amp; Saladin</em> Collide, MS Riv. KY Bend, KY</td>
<td>KY Bend, KY</td>
<td>15-30</td>
</tr>
<tr>
<td>1846</td>
<td>Feb 14/15</td>
<td>Winter Snow Storm, <em>John Minturn</em> &amp; other boats wreck, NJ</td>
<td>NJ</td>
<td>50-60</td>
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<tr>
<td>1846</td>
<td>May 6</td>
<td>Steamboat <em>Queen City</em> Boiler Flue Collapse/Explos., Natchez, MS</td>
<td>MS</td>
<td>&gt;10-26</td>
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<tr>
<td>1846</td>
<td>Jun 27</td>
<td>Brig <em>Sutley</em>, Pictou N.S. to Fall River Wrecks, Vineyard Sound, MA.</td>
<td>MA</td>
<td>30</td>
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<tr>
<td>1846</td>
<td>Sep 05</td>
<td>Steamer <em>New York</em> founders in Storm, about 60 miles off Cameron, LA</td>
<td>LA</td>
<td>20</td>
</tr>
<tr>
<td>1846</td>
<td>Sep 19</td>
<td>Fishing Schooners (11) Lost, Gale, out of Marblehead, MA</td>
<td>MA</td>
<td>65</td>
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<tr>
<td>1846</td>
<td>Oct 12</td>
<td>Steamer <em>Colonel Harney</em> Strands, Brazos, TX</td>
<td>TX</td>
<td>15</td>
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<tr>
<td>1846</td>
<td>Nov</td>
<td>Gloucester MA Schooners <em>General Scott, Canton</em> lost, Georges Bank</td>
<td>MA</td>
<td>15</td>
</tr>
<tr>
<td>1846</td>
<td>Nov 19</td>
<td><em>Indian Queen</em> Wrecked, Lake Erie Storm, near Dunkirk NY</td>
<td>NY</td>
<td>20</td>
</tr>
<tr>
<td>1846</td>
<td>Nov 19</td>
<td>Schooner <em>Lexington</em> Sinks, Lake Erie Storm, near Point Mouillee, MI</td>
<td>MI</td>
<td>13</td>
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<tr>
<td>1846</td>
<td>Nov 21</td>
<td>Steamers <em>Collide, Maria</em> Sinks, Miss. River, near Natchez, MS</td>
<td>MS</td>
<td>30-50</td>
</tr>
<tr>
<td>1846</td>
<td>Nov 27</td>
<td><em>Atlantic</em> steam explos., Grounds, Reef, gale ~Fisher’s Island, NY</td>
<td>NY</td>
<td>42</td>
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<tr>
<td>1846</td>
<td>Dec 08</td>
<td>U.S. Naval Brig <em>Somers</em> Capsizes, Storm, off Vera Cruz, Mexico</td>
<td>Mexico</td>
<td>30-32</td>
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<tr>
<td>1847</td>
<td>Jan 29</td>
<td><em>Tuscaloosa</em> Boiler Explosion, 10 miles from Mobile, AL</td>
<td>AL</td>
<td>11</td>
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<tr>
<td>1847</td>
<td>May 27</td>
<td>Steamboat <em>New Hampshire</em> boiler explos., Ark Riv., Pine Bluff, AR</td>
<td>AR</td>
<td>12-18</td>
</tr>
<tr>
<td>1847</td>
<td>June 09</td>
<td>Steamer <em>Edna</em> Boiler Explosion, Ouachita Riv. Columbia, LA</td>
<td>LA</td>
<td>20-25</td>
</tr>
<tr>
<td>1847</td>
<td>Jun 29</td>
<td>Steamboat <em>Star Spangled Banner</em> Snags, Baton Rouge, LA</td>
<td>LA</td>
<td>20</td>
</tr>
<tr>
<td>1847</td>
<td>Nov 19</td>
<td><em>Talisman</em> collides <em>Tempest</em>, sinks, MS Ri., Cape Girardeau, MO</td>
<td>MO</td>
<td>40-100</td>
</tr>
<tr>
<td>1847</td>
<td>Nov 21</td>
<td>Fire, Steamboat <em>Phoenix</em> Sinks, Lake MI, off Sheboygan, WI</td>
<td>WI</td>
<td>160-258</td>
</tr>
<tr>
<td>1847</td>
<td>Dec 20</td>
<td>Steamer <em>Westwood</em> hits bank, explodes, near New Orleans, LA</td>
<td>LA</td>
<td>12-15</td>
</tr>
<tr>
<td>1847</td>
<td>Dec 29</td>
<td>Steamer <em>A. N. Johnston</em> Boiler Explos., Ohio Riv., ~Maysville, KY</td>
<td>KY</td>
<td>60-80</td>
</tr>
<tr>
<td>1848</td>
<td>Jan 8</td>
<td><em>Blue Ridge</em> Boiler Explosion, OH Ri., Racoon Is., ~Gallipolis, OH</td>
<td>OH</td>
<td>11-30</td>
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<tr>
<td>1848</td>
<td>Jan 18</td>
<td>Steamboat <em>Yalobusha</em> Burns, Donaldsonville, LA</td>
<td>LA</td>
<td>35</td>
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<tr>
<td>1848</td>
<td>Apr 18</td>
<td>Schooner <em>Tribune</em> lost Lake Mich., found near Cathead Point, MI</td>
<td>MI</td>
<td>10</td>
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<tr>
<td>1848</td>
<td>May 27</td>
<td>Steamer <em>H. Kenney</em> Boiler Explosion, Tombigbee River, AL</td>
<td>AL</td>
<td>8-50</td>
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<tr>
<td>1848</td>
<td>May 27</td>
<td>Str. <em>Clarksville</em> Burns, MS R., ~Isl. 75/Ozark Isl. ~Napoleon AR</td>
<td>AR</td>
<td>20-41</td>
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<tr>
<td>1848</td>
<td>Aug 12</td>
<td>Steamer <em>Edward Bates</em>, Boiler Explosion, MS Riv., Hamburg, IL</td>
<td>IL</td>
<td>40-53</td>
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<tr>
<td>1848</td>
<td>Sep 15-21</td>
<td>Prop. <em>Goliath</em> Fire/Explos., Lake Huron, ~Point au Barques, MI</td>
<td>MI</td>
<td>18</td>
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<tr>
<td>1848</td>
<td>Sep 17</td>
<td><em>Concordia</em>, Boiler Explosion, Mississippi River, Plaquemine, LA</td>
<td>LA</td>
<td>8-28</td>
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<tr>
<td>1848</td>
<td>Oct 06</td>
<td>Steamer <em>Piney Woods</em> Burns, near Springfield, LA</td>
<td>LA</td>
<td>15-16</td>
</tr>
<tr>
<td>1848</td>
<td>Nov 21</td>
<td>Steamer <em>Wyandotte</em> Snags/Sinks, MS River, above Vicksburg MS</td>
<td>MS</td>
<td>30</td>
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<tr>
<td>Year</td>
<td>Event</td>
<td>Location</td>
<td>Deaths</td>
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<tr>
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<tr>
<td>1850</td>
<td>Jan 14, Steamboat Richland Boiler Expls.</td>
<td>Pee Dee Riv. Briton’s Ferry, SC</td>
<td>15</td>
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<tr>
<td>1850</td>
<td>Mar 4, Steamboat Online St. John Burns, AL</td>
<td>Riv. ~Bridgeport Landing, AL</td>
<td>30-70</td>
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<tr>
<td>1850</td>
<td>Mar 23, Troy Explodes, Lake Erie, mouth Niagara River, near Buffalo NY</td>
<td>15-29</td>
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<tr>
<td>1850</td>
<td>Apr 2, Gloucester MA Fishing Schooners Walter Scott and Specie Lost</td>
<td></td>
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<tr>
<td>1850</td>
<td>Apr 2, Steamer St. Louis, from New Orleans to St. Louis, arriving May 1</td>
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<tr>
<td>1850</td>
<td>Apr 22, Belle of the West, Fire/Boiler Explos., OH River, ~Warsaw, KY</td>
<td>34-36</td>
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<tr>
<td>1850</td>
<td>Apr 28, Steamboat General Anthony Wayne Explosion, Lake Erie, OH</td>
<td>30-70</td>
<td></td>
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<tr>
<td>1850</td>
<td>May 07, Flue Collapse, Steamboat Columbus, Mississippi River, Island 4</td>
<td>15</td>
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<tr>
<td>1850</td>
<td>May 23, Flue Collapse, Steamboat St. Louis, Jefferson Barracks, MO</td>
<td>10-12</td>
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<tr>
<td>1850</td>
<td>June 17, Steamer G.P. Griffith fire, Lake Erie, 20m off Cleveland, OH</td>
<td>250-325</td>
<td></td>
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<tr>
<td>1850</td>
<td>July 31, Boiler Explosion, Steamer America, Lake Erie, near Buffalo, NY</td>
<td>9-15</td>
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<tr>
<td>1850</td>
<td>Sep 12-17, Cholera, Steamers Falcon, Chagres, Panama to Havana, Cuba</td>
<td>17-18</td>
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<tr>
<td>1850</td>
<td>Sep 20, Barque Emily from SF, Cal., lost off Cape St. Lucas, Baja, Mex</td>
<td>198</td>
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<tr>
<td>1850</td>
<td>Oct 5, Steamer Kate Fleming Boiler Explos., OH R. Mouth, ~Walker’s Bar</td>
<td>9-11</td>
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<tr>
<td>1850</td>
<td>Oct 06, Saint John Emigrant (Irish) Ship Wrecks, Storm, Scituate, MA</td>
<td>99</td>
<td></td>
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</tbody>
</table>

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1848 -- Dec 22, Cholera, Steamboat Peytona arrives at Louisville from New Orleans. McClellan in his *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.

1849 -- May 18, Steamer *Monroe*, St. Louis to Jefferson City --63-70

1849 -- early June, Cholera, steamboat *Uncle Toby*, MS River, ~Quincy to Rock Isl. -- 27

1849 -- Jun 09, Flue collapse, Steamboat *Embassy*, Ohio River, Three Mile Bar, KY- 10-14

1849 -- Oct 06, Levi Woodbury Gloucester MA Fishing Schooner Lost, Severe Storm-- 10

1850 -- Jan 23, *St. Joseph* Boiler Expls., MS Ri., Islands No 80/81, ~Napoleon AR-- 8-20

1850 -- Mar 4, Steamboat Online St. John Burns, AL Riv. ~Bridgeport Landing, AL --30-70

1850 -- Mar 23, Troy Explodes, Lake Erie, mouth Niagara River, near Buffalo NY --15-29

1850 -- April, Gloucester MA Fishing Schooners Walter Scott and Specie Lost -- 15

1850 -- April, Steamer St. Louis, from New Orleans to St. Louis, arriving May 1 --12-13

1850 -- Apr 22, Belle of the West, Fire/Boiler Expols., OH River, ~Warsaw, KY 34-36

1850 -- Apr 28, Steamboat General Anthony Wayne Explosion, Lake Erie, OH 30-70

1850 -- May 07, Flue Collapse, Steamboat Columbus, Mississippi River, Island 4 15

1850 -- May 23, Flue Collapse, Steamboat St. Louis, Jefferson Barracks, MO 10-12

1850 -- June 17, Steamer G.P. Griffith fire, Lake Erie, 20m off Cleveland, OH 250-325

1850 -- July 31, Boiler Explosion, Steamer America, Lake Erie, near Buffalo, NY 9-15

1850 -- Sep 12-17, Cholera, Steamers Falcon, Chagres, Panama to Havana, Cuba 17-18

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1900 McClellan in his *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.

1901 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.

1902 St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.

1903 There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

1904 Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.

1905 Later reports deny this event happened. It is not included in our numbers – listed to show it is nor an oversight.

1906 This would put the event between Illinois and Kentucky.
218. 1850 -- Oct 28-Nov 8, Cholera, Barque Splendid, Sacramento to San Francisco\(^{1907}\) -- 17
220. 1850 -- Nov 07, Steamboat Telegraph Boiler Explosion, off New Castle, DE -- 15
221. 1850 -- Nov 21, 25 or 26, Steamer Antoinette Douglas Boiler Explos., AL Riv., AL -- 9-30
222. 1850 -- Dec 13, Steamer-Tug Anglo-Norman Boiler Expols., ~New Orleans, LA --20-100
223. 1850 -- Dec 17, Steamboat Knoxville Boiler Explosion, New Orleans, LA --12-20
224. 1850 -- Dec 17, Steamboat South America Burns, MS River, near Bayou Sera, LA --27-40

**MARITIME Disasters – Master Set** -- Deadliest American -- **CHRONOLOGICAL** (Cont.)

225. 1851 -- Fishing Schooner Burlington Lost -- 13
226. 1851 -- Fishing Schooner Hamilton Lost -- 11
227. 1851 -- Jan 07, Brig Martha Sanger, California to NY, wrecks on reef, Caribbean -- 27
228. 1851 -- Jan 27, Steamboat John Adams Snags/Sinks, Miss. Riv., ~Greenville, MS--100-130
229. 1851 -- Feb?, Steamboat Arkansas, Tallapoosa River, Mobile to Wetumpka, AL -- 52
230. 1851 -- Feb 9, Autocrat/Magnolia Collide ~Butler’s Plantation, Iberville Parish LA --10-34
231. 1851 -- Mar 2, Steamer Oregon Boiler Explos/Fire, Island No. 82, MS Riv., MS –18-60
232. 1851 -- Mar 24, Boats Collide, Lowell Sinks, OH Riv., Captina Isl., ~Wheeling WV--15-20
233. 1851 -- by April 24, Cholera, Steamboat Iroquois, New Orleans to St. Louis, MO -- 12
234. 1851 -- Apr 10, Fishing Schooner Harvest Home of Newcastle, NH Lost -- 10
235. 1851 -- before June 22, Steammer Grand Turk, Cholera, Mississippi River\(^{1908}\) -- ~25
236. 1851 -- before June 22, Steamer Pride of the West, Cholera, Mississippi River\(^{1909}\) -- ~25
237. 1851 -- June-July?\(^{1910}\) Cholera, Steamboat St. Ange, upon arrival at Fort Pierre, SD -- 13
238. 1851 -- May 02, Cincinnati Steamer Webster Burns, MS Riv., Kentucky Bend KY --40-60
239. 1851 -- Aug 20, Steamboat Dacotah Explosion., Peoria, IL -- 11
240. 1851 -- Sep 28 Steamer Brilliant Boiler Explosion, Miss. River, Bayou Goula, LA—9-100
241. 1851 -- Oct 3-4, Storm, New England Fishing Schooners Lost, ~Prince Edward. Isl.-- 166
243. 1851 -- Nov 27, Archer collision/sinks, Upper MS riv., Enterprise Isl. ~Grafton IL --28-39
244. 1851 -- Dec 09, Steamboat Clermont sinks (unknown cause), White River, AR --20-23

245. 1852 -- Cholera, esp. MS/OH Rivers, Steamers Midas/17 and Philadelphia/43 (Atlantic)>70
246. 1852 -- Jan 09, Steamboat Magnolia Explodes, St. Simon’s Island, GA -- 13
247. 1852 -- Jan 14, Steamer George Washington Boiler Explos./Fire, Grand Gulf, MS --16-30
248. 1852 -- Jan 14, Steamer Martha Washington Burns, MS Ri., Island #65 ~Jackson Pt.-- 5-10
249. 1852 -- Jan 25, Steamboat De Witt Clinton Snags/Sinks near Memphis, TN --36-40
250. 1852 -- Jan 31, Steamer General Warren Grounds/wrecks, Columbia River Bar, OR--40-42
251. 1852 -- Feb 16, May Queen Flues Collapse., AR River, 45m below Little Rock, AR -- 12
252. 1852 -- Mar, Gloucester MA Schrs. Golden Fleece & C.E. Parkhurst lost, Georges Bk-- 17
253. 1852 -- Apr 03, Steamer Redstone Boiler Explosion, Ohio River ~Carrolton, KY --14-40

\(^{1907}\) The last three deaths were on the 8th in a San Francisco hospital after transfer from the boat upon landing on 7th.

\(^{1908}\) We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

\(^{1909}\) We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

\(^{1910}\) 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event</th>
<th>Location</th>
<th>Deaths</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>1852</td>
<td>Apr 03</td>
<td>Steamboat <em>Glencoe</em> Boiler Explosion</td>
<td>St. Louis, MO</td>
<td>--60-83</td>
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<tr>
<td>1852</td>
<td>Apr 9</td>
<td>Steamboat <em>Saluda</em> Boiler Explosion</td>
<td>Missouri Riv., Lexington, MO</td>
<td>--37-135</td>
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<tr>
<td>1852</td>
<td>Apr 11</td>
<td><em>Pocahontas</em> Fire</td>
<td>Miss. River, Island No. 78, Choctaw Bend, AR</td>
<td>--10-12</td>
<td></td>
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<tr>
<td>1852</td>
<td>Apr 25</td>
<td>Steamboat <em>Prairie State No. 2</em> Boiler Explosion</td>
<td>Pekin, IL</td>
<td>--20</td>
<td></td>
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<tr>
<td>1852</td>
<td>Apr 26</td>
<td>Steamers Collide, <em>Chickasaw/W.B. Clifton</em></td>
<td>French Is., Evansville IN</td>
<td>--20</td>
<td></td>
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<tr>
<td>1852</td>
<td>July 05</td>
<td>Steamboat <em>St. James</em> Boiler Explosion</td>
<td>Lake Pontchartrain, LA</td>
<td>--30-40</td>
<td></td>
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<tr>
<td>1852</td>
<td>July 12</td>
<td><em>City of Oswego</em> sinks, collis. <em>America</em></td>
<td>L. Erie ~Willoughby, OH</td>
<td>--15-20</td>
<td></td>
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<tr>
<td>1852</td>
<td>July 28</td>
<td>Steamboat <em>Henry Clay</em> Burns/Sinks</td>
<td>Hudson River, Yonkers, NY</td>
<td>--70-90</td>
<td></td>
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<tr>
<td>1852</td>
<td>Aug 20</td>
<td>Fog, Collision, <em>Atlantic</em> Burns/Sinks</td>
<td>Lake Erie ~Long Pt. Ont.</td>
<td>--100-~300</td>
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<tr>
<td>1852</td>
<td>Aug 22</td>
<td>Steamboat <em>Reindeer</em> Boiler Explosion</td>
<td>Missouri River, Island No. 78, Choctaw Bend, AR</td>
<td>--10-12</td>
<td></td>
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<tr>
<td>1852</td>
<td>Dec 14</td>
<td>Steamboat <em>Magnet</em> Boiler Explosion</td>
<td>OH Riv., Grandview Island, WV</td>
<td>--10</td>
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<tr>
<td>1853</td>
<td>Feb 16</td>
<td>Steamboat <em>Independence</em> Hits Rock/sinks</td>
<td>Margarita Isl., Lower CA</td>
<td>--120-172</td>
<td></td>
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<tr>
<td>1853</td>
<td>Feb 26/26</td>
<td>Brig <em>Vintage</em> Sails</td>
<td>Salem, MA for West Coast of Africa, Lost</td>
<td>--10</td>
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<tr>
<td>1853</td>
<td>Mar 23</td>
<td>Racing, Steamboat <em>Farmer</em> Boiler Explosion</td>
<td>Galveston Bay, TX</td>
<td>--28-36</td>
<td></td>
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<tr>
<td>1853</td>
<td>Apr 11</td>
<td>Steamship <em>Jenny Lind</em> Boiler Explosion</td>
<td>Alviso to SF, CA</td>
<td>--31</td>
<td></td>
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<tr>
<td>1853</td>
<td>May 15</td>
<td>US (Baltimore built) <em>Monumental City</em> grounds</td>
<td>Tullaberga Is. Aus.</td>
<td>--32-37</td>
<td></td>
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<tr>
<td>1853</td>
<td>Jun 20</td>
<td>Steamboat <em>New World</em> Boiler Explosion</td>
<td>New York, NY</td>
<td>--11</td>
<td></td>
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<tr>
<td>1853</td>
<td>Dec 22</td>
<td>Steamboat <em>Marlboro/Marlborough</em> Boiler Explosion</td>
<td>Charleston SC</td>
<td>--14-15</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Jan 09</td>
<td><em>General Bem</em> Snags, AR or MS Riv., Walnut Bend, AR or Grand Cutoff</td>
<td>--10-15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Jan 28</td>
<td>Steamboat <em>Georgia</em> Fire</td>
<td>Lake Pontchartrain, LA</td>
<td>--25-60</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Feb</td>
<td>Flight, Gloucester, MA Fishing Schooner Lost, Georges Bank</td>
<td>--12</td>
<td></td>
<td></td>
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<tr>
<td>1854</td>
<td>Feb 16</td>
<td>Steamboat <em>Kate Kearney</em> Boiler Explosion</td>
<td>St. Louis, MO</td>
<td>--29-15</td>
<td></td>
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<tr>
<td>1854</td>
<td>Mar 5</td>
<td>Steamboat <em>Caroline</em> burns near mouth of White River</td>
<td>AR</td>
<td>--45-60</td>
<td></td>
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<tr>
<td>1854</td>
<td>Mar 08</td>
<td>Schooner <em>Robert Walsh</em> lost off Cape Hatteras</td>
<td>NC</td>
<td>--10</td>
<td></td>
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<tr>
<td>1854</td>
<td>Mar 09</td>
<td>Steamboat <em>John L. Avery</em> Snags, Miss. River, Black Hawk Point</td>
<td>LA</td>
<td>--12-90</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Mar 13/14</td>
<td>Steamboat <em>Reindeer</em> Burst Flue</td>
<td>Ohio River, Cannelton, IN</td>
<td>--38-46</td>
<td></td>
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<tr>
<td>1854</td>
<td>Mar 27</td>
<td>Steamboat <em>Monroe</em> hits log/sinks, MS Ri., just north of Natchez</td>
<td>MS</td>
<td>--17-30</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Apr 08</td>
<td>Steamboat <em>Gazelle</em> Boiler Explosion</td>
<td>Oregon City, OR</td>
<td>--25</td>
<td></td>
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<tr>
<td>1854</td>
<td>Apr 15</td>
<td>Steamboat <em>Secretary</em> Explosion</td>
<td>SF Bay, near San Pablo Bay, CA</td>
<td>--50</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Apr 16</td>
<td>Storm, Packet Ship <em>Powhatan</em> sinks off coast of NJ</td>
<td>--250-311</td>
<td></td>
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<tr>
<td>1854</td>
<td>May 12</td>
<td>Steamboat <em>Pike</em> Snags/Sinks</td>
<td>Big Eddy, Wilkinson’s Landing, MO</td>
<td>--10-11</td>
<td></td>
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<tr>
<td>1854</td>
<td>Aug 02</td>
<td>Steamboat <em>Cape May</em> Snags</td>
<td>Mt. Vernon, IN</td>
<td>--18</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Aug 26</td>
<td>Steamboat <em>Timour No. 2</em> Boiler Explosion</td>
<td>near Jefferson City, MO</td>
<td>--17-20</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Sep 12</td>
<td>Steamboat <em>Malon</em> Sinks</td>
<td>Ohio River, near Paducah, KY</td>
<td>--36</td>
<td></td>
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<tr>
<td>1854</td>
<td>Sep 17/18</td>
<td>Steamboat <em>Kate Ward</em> Lost, Hurricane, Matagorda Bay</td>
<td>TX</td>
<td>--12</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Sep 27</td>
<td>US Mail <em>Arctic &amp; Vesta</em> Collide/Fog</td>
<td>Cape Race Newfoundland</td>
<td>--318-562</td>
<td></td>
</tr>
</tbody>
</table>

1911 Cross-listed under Hurricane.
297. 1854 -- Sep 30, SS Yankee Blade Capsizes on Reef, Fog, near Pt. Arguello CA\textsuperscript{1912} -- 15-30
298. 1854 -- Oct 06, Steamer Princess Burns, Mississippi River, Fort Adams, MS -- 14
299. 1854 -- Oct 08, Steamer E.K. Collins Burns, near Mouth of Detroit River, MI -- 20-23
300. 1854 -- Nov 13, Propeller Bucephalus Sinks in Lake Huron storm ~Bird’s Creek, MI -- 10
301. 1854 -- Nov 13, US immigrant ship New Era Grounds, Storm, Deal Beach, NJ -- 240-300
302. 1854 -- Dec 7/8, Westmoreland Founders, Lake MI Ice Storm, Manitou Passage, MI -- 17

**MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (Cont.)**

303. 1855 -- Jan 27, Steamer Pearl Boiler Explosion, Sacramento River, Marysville, CA -- 40-80
304. 1855 -- Mar, Gloucester MA Schooners Reporter & Abner L. Colby lost Georges Bank -- 16
305. 1855 -- Apr 20, Propeller Oregon Boiler Explosion, Detroit River, near Belle Isle MI -- 12
306. 1855 -- June 30, Steamer Lexington Boiler Explos., Ohio River, ~Stephensport, KY -- 30-35
307. 1855 -- Nov 03, Delaware Grounds, Lake MI Storm, 8 miles off Sheboygan, WI -- 11
308. 1856 -- Jan 23, Amer. Steamer Pacific leaves Liverpool, Sinks, Irish Sea ~Wales\textsuperscript{1913} -- 186
309. 1856 -- Feb 05, Steamer Belle Boiler Explosion, nine miles above Sacramento, CA -- 30
310. 1856 -- Mar 15, Fire, Steam Ferry New Jersey, DE Riv., Philly to Camden, NJ -- 30-61
311. 1856 -- Jul 17, Northern Indiana Burns, L. Erie (Buffalo-Toledo) ~Pt. Pelee, Ontario -- 58
312. 1856 -- Aug ~10, Steamer Nautilus Founders, Hurricane off LA Coast\textsuperscript{1914} -- 20-30
313. 1856 -- Aug 16, Ship Manila “Lost” off Timbalier Island, LA -- 10
314. 1856 -- Sep 24, Sidewheel Niagara Burns/Sinks, Lake MI, off Port Washington, WI -- 100
315. 1856 -- Oct 24, Toledo Sinks, Lake Michigan Storm, off Port Washington, WI -- 30-55
316. 1856 -- Oct 29/30, Stmr. Superior Grounds, Lake Sup. Storm, Pictured Rocks, MI -- 34-54
317. 1856 -- Nov 2, Schooner Le Lyonnais Collision, Nantucket Island, MA -- 120-260
318. 1856 -- Nov 4, J.S. Brooks Sinks, Stm., Lake Ont., ~Oswego & Sacket’s Harbor NY -- 50
319. 1856 -- Nov 26, Schooner Cherokee Founders, Lake Mich. Gale, near Manistee, MI -- 14
320. 1857 -- Feb 21, Steamer Humbolt sunk by Belfast, chute of Island No. 75, Miss. Riv. -- 15
321. 1857 -- Mar 13, Schooner Kamamalu sails from Honolulu for Hilo, Lost -- ~70-72
322. 1857 -- Mar 31, Steamer Forest Rose Boiler Explosion Miss. River, ~Napoleon, AR -- 11
323. 1857 -- Mar 27, Lake Michigan Storm and Marine Disaster, Chicago, IL -- 15
324. 1857 -- May 31, Steamboat Louisiana Burns, Galveston Bay, TX -- 35-66
326. 1857 -- Sep 11/12, Steamer Central America Founders, Hurricane, off VA\textsuperscript{1915} -- 400-427
327. 1857 -- Oct 15, Steamer Tropic snagged, Missouri River, near Waverly, MO -- 8-15
328. 1857 -- Nov 12 or 15, Opelousas & Galveston Collide, Gulf of MX off LA Coast -- 18
329. 1857 -- Nov 17, Cataract Mud Drum Explosion, Missouri River, Lisbon, MO -- 12-15
330. 1857 -- Nov 18, Storm, ~Twenty Coal Boats Sink, OH and MS Rivers ~Cairo IL -- 100

\textsuperscript{1912} Cross listed in Fog as a Contributing Factor.
\textsuperscript{1913} 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.
\textsuperscript{1914} 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.
\textsuperscript{1915} “...the steamship Central America, which had been contending for three days with a tremendous tempest off the shore of Virginia…” (*New York Times*, “The Loss of the Central America.” September 21, 1857)
332. 1857 -- Nov 21, Steamer *Rainbow* fire/sinks, MS Ri., Victoria Bend, Napoleon AR --20-75

**MARITIME Disasters – Master Set --Deadliest American -- CHRONOLOGICAL (Cont.)**

333. 1858 -- Jan 28, *Fanny Fern* Boiler Explos., OH River, ~Lawrenceburg, IN --13-20
334. 1858 -- Feb 4, Steamer *Colonel Crossman* boiler explos., MS Riv. ~New Madrid MO -- ~15
335. 1858 -- Feb 17, Steamer *Magnolia* Boiler Explos., Cape Fear Riv., White Hall, NC --11-20
337. 1858 -- Mar 1, Fire/Explos. , Steamer *Eliza Battle*, Kemp’s Landing ~Demopolis AL --29-90
338. 1858 -- Apr 02, Steamer *Sultan* Fire, Mississippi River, near St. Genevieve, MO -- -- 23
339. 1858 -- Apr 22, Steam *Ocean Spray* Fire (Racing), Miss. River, ~St. Louis, MO --10-23
340. 1859 -- Feb 27, Steamer *Princess* Boiler Explos./Fire, MS Riv., ~Baton Rouge, LA --70-100
342. 1859 -- Apr ~1, Stm., Gloucester Schrs. *Grace T. Powers* & *Charles E. Grover* lost -- 17
343. 1859 -- Jun 24, Steamer *Ben. W. Lewis* Boiler Explosion, Cairo, IL --23-50
344. 1860 -- Jan 5, Steamer *Northerner* hits rock off Centerville Beach, S of Humboldt Bay CA --33-38
345. 1860 -- Feb, Gloucester Ma Sch. *George Washington, Advance, W.S. Wonsor, Relief* lost -- 35
346. 1860 -- Jun 24, Steamer *Ben. W. Lewis* Boiler Explosion, Cairo, IL --23-50
347. 1860 -- Mar 06, Steamer *Alfred Thomas* Boiler Explosion, Del. River, Easton, PA --10-12
348. 1860 -- Apr 26, Steamer *Alfred T. Lacy* fire, Isl. 16, MS Riv., ~Caruthersville, MO --13-16
349. 1860 -- May 09, Steamer *R.F. Sass* Snags, Miss. River, Clark’s Bar, ~Glover, MS -- 17
350. 1860 -- Sep 08, Steamer *Lady Elgin* Collision, Sinks, Lake MI off Winnetka, IL --270-400
351. 1860 -- Sep 17-18, Storm, *R. H. Dixie* wrecked, Bay of Mobile, off AL -- 16
352. 1860 -- Sep 18, U.S. Navy Sloop-of-War *Levant* sails SE from Hilo, HI, Lost --150-210
355. 1860 -- Nov 03, Steam Towboat *Baltic* Explosion, Mobile, AL -- 20
356. 1860 -- Nov 08, Steamer *Globe* Boiler Explosion, dock, Chicago, IL -- 15
357. 1860 -- Dec 08, *Dacotah*, Grounds/Breaks, Lake Erie Storm, near Angola, NY -- 24
358. 1861 -- Jan 1, Stm., Gloucester Schooners *Cynisca, Life Boat, Ocean Traveller* lost -- 29
359. 1861 -- Feb 23, Confederate Steamer *Cambridge* Snags, Grand Glaise, AR -- 42

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1916 Cross-listed in Hurricanes.

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<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
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</thead>
<tbody>
<tr>
<td>1862</td>
<td>Feb 24</td>
<td>Blow of 1862, 15 Fishing boats</td>
<td>Georges Bank, out of Gloucester MA</td>
<td>122</td>
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<tr>
<td>1862</td>
<td>Feb 27</td>
<td>Steamboat Prince Snags and Sinks</td>
<td>Miss. River, near Hickman, KY</td>
<td>74-75</td>
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<tr>
<td>1862</td>
<td>July 27</td>
<td>Steamboat Golden Gate Burns off Mexican Coast</td>
<td>(Manzanilla)</td>
<td>175-200</td>
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<tr>
<td>1862</td>
<td>Aug 9</td>
<td>Illinois Hits Oriole, Fog, Lake Superior, off Munising, MI</td>
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<tr>
<td>1862</td>
<td>Aug 13</td>
<td>USS George Peabody &amp; West Point Collide</td>
<td>Potomac River, VA</td>
<td>70-76</td>
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<tr>
<td>1862</td>
<td>Aug 28</td>
<td>Steamboat Ceres Burns</td>
<td>St. Joseph Island, LA</td>
<td>12</td>
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<tr>
<td>1862</td>
<td>Aug 30</td>
<td>Steamboat Ruth Burns</td>
<td>Mississippi River, ~Columbus, KY</td>
<td>26</td>
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<tr>
<td>1862</td>
<td>Aug 27</td>
<td>Steamboat Sunbeam Sinks</td>
<td>Lake Sup. Storm, ~Keweenaw Pt., MI</td>
<td>25-34</td>
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<tr>
<td>1863</td>
<td>Aug 4</td>
<td>Steamboat Cheno</td>
<td>Boiler Explosion, NY Harbor ~Ft. Richmond NY</td>
<td>30-33</td>
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<tr>
<td>1863</td>
<td>Aug 8</td>
<td>Steamboat Berk</td>
<td>Fire, Hudson River, Esopus Island, NY</td>
<td>6-13</td>
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<tr>
<td>1863</td>
<td>Aug 21</td>
<td>Steamboat Manhattan Sinks</td>
<td>Lake Sup. Storm, ~Keweenaw Pt., MI</td>
<td>25-34</td>
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<tr>
<td>1864</td>
<td>Jan 23</td>
<td>Schooner Dashaway Wrecks</td>
<td>Cape Mendocino, CA</td>
<td>14</td>
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<td>1864</td>
<td>Feb 17</td>
<td>Steamboat Orient Snags</td>
<td>upper Mississippi River, Commerce, MO</td>
<td>14</td>
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<tr>
<td>1864</td>
<td>Feb 22</td>
<td>Shipwreck Bohemian</td>
<td>Alden’s Rock, off Richmond Isl., ME</td>
<td>19-20</td>
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<tr>
<td>1864</td>
<td>Feb-Mar (esp. Mar 22)</td>
<td>Eight Gloucester, MA Fishing Schooners Lost at Sea</td>
<td></td>
<td>74-75</td>
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<tr>
<td>1864</td>
<td>Apr 15</td>
<td>Steamer Chenango Boiler Explosion</td>
<td>NY Harbor ~Ft. Richmond NY</td>
<td>30-33</td>
</tr>
<tr>
<td>1864</td>
<td>May 21</td>
<td>Steamboat Nile Boiler Explosion</td>
<td>Detroit, MI</td>
<td>6-13</td>
</tr>
<tr>
<td>1864</td>
<td>June 3</td>
<td>Steamer Pocahontas sinks</td>
<td>City of Bath, collision, off Cape May, NJ</td>
<td>40-41</td>
</tr>
<tr>
<td>1864</td>
<td>June 8</td>
<td>Steamer Berkshire Fire</td>
<td>Hudson River, Esopus Island, NY</td>
<td>35</td>
</tr>
<tr>
<td>1864</td>
<td>July 3</td>
<td>Steamer Locust Point Collides with Matanzas</td>
<td>off Absecon, NJ</td>
<td>17</td>
</tr>
<tr>
<td>1864</td>
<td>Jul 21</td>
<td>B.M. Runyan Snags/Sinks</td>
<td>MS Riv., Island 84, Gaines Landing MS</td>
<td>50-150</td>
</tr>
<tr>
<td>1865</td>
<td>Jan 26/27</td>
<td>Steamer Eclipse Boiler Explosion</td>
<td>Tenn. River, Johnsonville, TN</td>
<td>27-36</td>
</tr>
<tr>
<td>1865</td>
<td>Mar 31</td>
<td>Steam Transport General Lyon Burns off Cape Hatteras, NC</td>
<td></td>
<td>400-500</td>
</tr>
<tr>
<td>1865</td>
<td>Apr 27</td>
<td>Steamer Sultana explodes/burns</td>
<td>MS. Riv., Redman Point, AR</td>
<td>1,547-1,947</td>
</tr>
</tbody>
</table>

1917 Cross-listed under Fog as a contributing factor.
1918 Cross-listed in Hurricanes.
409. 1865 -- May 29, Steamer *Governor Troup* burns Savannah Ri., below Augusta, SC shore-- 40
410. 1865 -- Jun 3, Steamers *Poland* and *Idaho* Collide, *Poland* Sinks, Yazoo River, MS --10-12
411. 1865 -- June 8, Steamer *Admiral Dupont* hit/sunk, British *Studacona*, S. NJ Coast --15-20
412. 1865 -- Jun 9~, SS *Kentucky* snags/sinks, Red River, Tow Head Isl. ~Shreveport LA-- ≤30
413. 1865 -- July 30, Storm, *Brother Jonathan* Grounds & Sinks off Crescent City, CA-146-225
414. 1865 -- July 31, Steamer *Joseph Pierce* Boiler Explosion, Palmyra Landing, MS -- 12
417. 1865 -- Oct ~24, Steamer *D.H. Mount* Lost, Cape Hatteras to Jacksonville, FL -- 24
418. 1865 -- Oct 25, Steamer *Republic* (former USS *Tennessee*) Founders ~Savannah, GA-- 34
419. 1865 -- Oct 29, Steamer *St. John* Boiler Explosion, ~5 miles above NYC, NY -- 26
420. 1865 -- Nov 24, *Niagara* Sinks, Collis. with *Post Boy*, MS River ~Prairie Point AR-75-150
421. 1865 -- Dec 09, Ferry Steamboat *De Soto*, Explosion, Pascagoula, MS -- 11
422. 1865 -- Dec 26-27, Fog, Steamer *Constitution* Grounds, Cape Lookout shoals, NC191930-48
423. 1866 -- Jan 09, Steamer *Asher Ayres* Burns, Altamaha River, Darien, GA -- 6-12
424. 1866 -- Jan 28, Steamer *Miami*, Boiler Explosion, Arkansas Riv., ~Napoleon, AR--40-225
425. 1866 -- Jan 30, Steamer *Missouri* Boiler Explosion, Ohio Riv. near Newburg, IN --60-100
426. 1866 -- Feb 02, Steamboat *W.R. Carter* Boiler Explosion, MS Riv., Island No. 98--123-215
427. 1866 -- Mar 04, Steamer *Lockwood* Explosion/Burns, 8 miles below Memphis, TN -- 9-20
428. 1866 -- Apr 18, *City of Norwich* & *Van Vliet* collide, Huntington Harbor, NY -- 11
429. 1866 -- Apr 26, Steamer *Windsor* Burned, Detroit River, Detroit, MI --20-31
430. 1866 -- May 03, Clipper *Hornet*, NY to San Francisco, burns sinks, Pacific Ocean -- 16
431. 1866 -- May 31, *City of Memphis* Explodes/Burns, MS River, off Buck Island, MS--11--60
432. 1866 -- June 18, *Jennie P. King* Wrecks, Lake Erie Storm, out of Tonawanda, NY -- 14
433. 1866 -- Sep 29, Steamer *Julia*, Steam Drum Explosion, San Francisco, CA -- 10
434. 1866 -- Oct 03, Steamer *Evening Star* Founders, Storm, off Tybee Island, GA --247-261
435. 1866 -- Oct (late), US gunboat *Bienville*, while in Caribbean and passage to NYC -- 14
436. 1866 -- Dec 27, Steamer *Fashion* Fire, 7-12 miles above Baton Rouge, LA -- 43
437. 1867 -- Jan-Feb, Amer. Bark *John Bright* strands near Nootka Isl., BC, crew murdered-- 14
438. 1867 -- Jan 17, Steamer *John Raine* Burns, Mississippi River, Greeneville, MS -- 59
439. 1867 -- Jan 18, Steamer *Platte Valley* hits submerged wreck near Memphis, TN 60-100
440. 1867 -- Feb 10, Steamer *City of Bath* Fire off Cape Hatteras, NC -- 22
441. 1867 -- Feb 17, Steamer *David White* Boiler Expols., MS River, Pt. Chicot MS --60-65
442. 1867 -- Mar 03, Propeller steamer *Andalusia* Fire and Drownings, off Hatteras, NC -- 12
443. 1867 -- May 04, Steamer *Main* Capsized in Storm on Lake Pontchartrain, LA -- 10
444. 1867 -- May 21, Steamer *Wisconsin* Fire/Drowning, Lake Ont., ~Cape Vincent, NY-- 23
445. 1867 -- Aug, Two Gloucester, MA Fishing Schooners Lost on Georges Bank -- 17
446. 1867 -- Sep, Gale, Gloucester MA Fishing Sch. *Fashion* lost, Bay of St. Lawrence -- 13
447. 1867 -- Nov 17, Steamboat *Onward* burns, Alabama River, Bells Ledge, AL -- 11
448. 1867 -- Dec 24, Steamer *Raleigh* Burns to water, off Charleston, SC --14-24
449. 1867 -- Dec 31, Steamer *Henry Ames* guards fail while unloading, New Orleans, LA-- ~20

1919 Cross-listed in Maritime.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1868</td>
<td>Mar 18</td>
<td>Steamer <em>Magnolia</em> Boiler Explos./Fire, OH Riv., ~Cincinnati OH</td>
<td>35-83</td>
<td></td>
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<tr>
<td>1868</td>
<td>Apr 9</td>
<td>Sidewheel <em>Sea Bird</em> Burns/Sinks, Lake Mich., off Waukegan, IL</td>
<td>--68-103</td>
<td></td>
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<tr>
<td>1868</td>
<td>May 01</td>
<td>Propeller * Gov. Cushman* Explodes, Buffalo, NY</td>
<td>--</td>
<td>11</td>
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<tr>
<td>1868</td>
<td>June</td>
<td>Gloucester MA Fishing Schooner <em>General Butler</em> lost, Georges Bank</td>
<td>--10</td>
<td></td>
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<tr>
<td>1868</td>
<td>June ~15</td>
<td>Brit. Bark <em>Istria</em> Wrecks, Diamond Shoals off Cape Hatteras NC</td>
<td>--23</td>
<td></td>
</tr>
<tr>
<td>1868</td>
<td>Jun 20</td>
<td>Steamer <em>Morning Star / Cortland</em> Collide, Lake Erie, ~Avon Pt. OH--25-60</td>
<td>--</td>
<td></td>
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<tr>
<td>1868</td>
<td>Sep 07</td>
<td><em>Hippocampus</em> Grounds, Lake Michigan Storm, off St. Joseph, MI</td>
<td>--26</td>
<td></td>
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<tr>
<td>1868</td>
<td>Sep 16</td>
<td><em>Persian</em> Hit by <em>E.B. Allen</em>, Lake Huron 3m off 40-Mile Point, MI</td>
<td>--10</td>
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<tr>
<td>1868</td>
<td>Oct 06</td>
<td>Propeller <em>Perseverance</em> Burns, Lake Ontario off Pultneyville, NY</td>
<td>--14</td>
<td></td>
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<tr>
<td>1868</td>
<td>Dec-Jan</td>
<td>Stm., Gloucester, MA Fishing Sch. <em>Forest Belle</em> lost, GB</td>
<td>--12</td>
<td></td>
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<tr>
<td>1869</td>
<td>Jan 11</td>
<td>Steamer <em>Gulf City</em> Grounds and Breaks-up, Cape Lookout, NC</td>
<td>--22-23</td>
<td></td>
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<tr>
<td>1869</td>
<td>Jan 13</td>
<td>Steamer <em>Glide</em> Boiler Explosion, ~50m above New Orleans, LA</td>
<td>--15</td>
<td></td>
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<tr>
<td>1869</td>
<td>Feb 12</td>
<td>Steamer <em>Mittie Stephens</em> fire, Caddo Lake ~Swanson’s Landing TX</td>
<td>--61-69</td>
<td></td>
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<tr>
<td>1869</td>
<td>Mar 6-7</td>
<td>Gale, Gloucester Schrs. <em>Price, Porter, &amp; Woodbury</em> lost, Georges Bk.--31</td>
<td>--</td>
<td></td>
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<tr>
<td>1869</td>
<td>Sep 8</td>
<td>Hurr., Schrs. <em>Helen Eliza</em> Grounds (Peak’s Isl., ME), <em>Yankee Girl</em> lost</td>
<td>--1920-23</td>
<td></td>
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<tr>
<td>1869</td>
<td>Oct 27</td>
<td>Fire, Steamer <em>Stonewall</em>, Mississippi River, Tea Table Bar, MO</td>
<td>--125-209</td>
<td></td>
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<tr>
<td>1869</td>
<td>Nov 4-15</td>
<td><em>WW Arnold</em> Grounds, Lake Sup. Storm, Two Hearted River, MI</td>
<td>--11</td>
<td></td>
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<tr>
<td>1870</td>
<td>Jan</td>
<td>Gloucester, MA Fishing Schooner <em>Viking</em> lost, on way to Grand Banks</td>
<td>--11</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Jan</td>
<td>Steamer <em>City of Boston</em> sails from NYC for Liverpool, Lost</td>
<td>--177</td>
<td></td>
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<tr>
<td>1870</td>
<td>Jan 25</td>
<td>Gloucester, MA Fishing Schooner <em>Weather Gage</em> lost, Grand Banks</td>
<td>--10</td>
<td></td>
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<tr>
<td>1870</td>
<td>Sep</td>
<td>Gloucester MA Fishing Schooner <em>William F. Pool</em> lost on Georges Bank</td>
<td>--10</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Sep 18</td>
<td>Gale, Gloucester, MA Fishing Schooner <em>Day Star</em> Lost at Sea</td>
<td>--12</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Oct</td>
<td>Gloucester, MA Fishing Schooner <em>Alatamaha</em> lost, Georges Bank</td>
<td>--10</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Oct 09</td>
<td>Sternwheel Steamer <em>Mariposa</em> Founders off Coast of FL</td>
<td>--36</td>
<td></td>
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<tr>
<td>1870</td>
<td>Oct 20</td>
<td>Hurricane, Steamer <em>Varuna</em> Capsizes, 35m NE Jupiter Inlet, FL</td>
<td>--36-72</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Dec 18</td>
<td><em>Nick Wall</em> Snags/Sinks Miss. Riv., ~Napoleon, AR &amp; Princeton, MS</td>
<td>--39</td>
<td></td>
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<tr>
<td>1871</td>
<td>Jan 9</td>
<td>Gloucester, MA Fishing Schooner <em>Edith Wonson</em> lost on Western Bank</td>
<td>--12</td>
<td></td>
</tr>
<tr>
<td>1871</td>
<td>Jan 14</td>
<td>Steamboat <em>T.L. McGill</em> Burns, Miss. River, Shoo-Fly Bar, MS</td>
<td>--15-75</td>
<td></td>
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<tr>
<td>1871</td>
<td>Jan 28</td>
<td>Steamboat <em>W. R. Arthur</em> Boiler Explosion, near Memphis, TN</td>
<td>--60-87</td>
<td></td>
</tr>
<tr>
<td>1871</td>
<td>Feb</td>
<td>Gloucester, MA Fishing Schooners <em>Hiawatha &amp; E.L. Cook</em> lost at sea</td>
<td>--21</td>
<td></td>
</tr>
<tr>
<td>1871</td>
<td>Apr 02</td>
<td>Gale, Gloucester, MA Schs. <em>Lindberg, Pride, Murray, Hough</em> lost</td>
<td>--42</td>
<td></td>
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<tr>
<td>1871</td>
<td>Summer</td>
<td>East Gloucester, MA) Fishing Schooner <em>River Queen</em> lost at sea</td>
<td>--12</td>
<td></td>
</tr>
<tr>
<td>1871</td>
<td>Jul 3</td>
<td>Cal. Brig <em>Shelehoff</em> disabled Pacific Ocean storm, starvation, found Oct 19--11</td>
<td>--</td>
<td></td>
</tr>
<tr>
<td>1871</td>
<td>July 30</td>
<td>Staten Island Ferry <em>Westfield II</em> Boiler Explosion, NY Harbor NY--86-126</td>
<td>--</td>
<td></td>
</tr>
</tbody>
</table>

1920 Cross-listed in Hurricanes.
1921 Four dates are provided in the accounts cited in narrative, Nov 1, on or after Nov 4, Nov 11, and Nov. 15.
1922 Cross-listed under Hurricanes.
1871 -- Aug 18, Steamer Lodona Grounds, Storm, near Cape Canaveral, FL -- 21
1871 -- Aug 27, Steamboat Ocean Wave Boiler Explos., Point Clear ~Mobile, AL --34-75
1871 -- Sep 2, Gloucester, MA Fishing Schooners Montrose and Emporia lost at sea-- 17
1871 -- Oct 3, Hurricane, TX Coast, Steamer C. K. Hall Lost off Cedar Point TX1923 -- >10
1871 -- Oct 15, Coburn Sinks, Lake Huron Storm, near Pointe aux Barques, MI -- 32
1871 -- Nov 22, Steamer City of New London Burns, Norwich, CT -- 17

MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (cont.)

1872 -- Jan, Gloucester, MA Fishing Schooner Messenger lost on Western Bank -- 12
1872 -- Mar, Gloucester, MA Schooners Matchless, Franklin Snow lost, Georges Bk.-- 22
1872 -- Apr 11, Steamer Oceanus, Boiler Explosion, MS. River, Brook’s Point, IL -- 40
1872 -- Aug 30, Propeller Metis hits Sch. Nettis Cushing, sinks off Watch Hill, RI --20-70
1872 -- Oct 33, Screw Steamer Missouri Fire off Abaco Light, Lucaya, Bahamas --50-87
1872 -- Nov 27, Jupiter & Saturn Ground, Lake Sup. Storm, Vermilion Point, MI -- 15
1872 -- Dec, 26, Bark Kadosh wrecked, ship Peruvian lost, Storm, MA coast -- 32

1873 -- Feb 15, Steamer Henry A. Jones Burns, Galveston, TX -- 21
1873 -- Mar, Gloucester, MA Fishing Schooner J. H. Orne lost on Georges Bank -- 11
1873 -- Aug 22, George C. Wolfe Boiler Explo., MS Ri., St. Francis Is. ~Helena AR-12-30
1873 -- Aug 24, “Nova Scotia” Storm Sinks Fishing Fleet from Gloucester MA1924 -- 128
1873 -- Sep 15, Storm, Steamship Ironsides sinks, Lake MI, near Grand Haven, MI --18-27

1874 -- Feb 11, Gale, Gloucester, MA Fishing Schr. B. H. Smith, Lost Grand Banks -- 12
1874 -- Apr 15, Tow Boat Capsizes, Mississippi River, Below New Orleans, LA -- 13
1874 -- Jun 07, Storm, Boats Capsize, Drownings, Lakes Oneida & Onondaga NY -- 27
1874 -- Aug 5, Steamboat Pat Rogers Burns, Ohio River below Aurora, IN --47-50
1874 -- Sep 28, Steamer Amanda Winants Lost off Georgetown, SC -- 16
1874 -- Oct 22, Steamer Brooklyn Boiler Explosion, Detroit River, MI --20-22
1874 -- Nov, Gloucester, MA Fishing Schooner G. G. Kidder Lost, Grand Banks --12-13

1875 -- Jan, Gloucester, MA Fishing Schooner David Burnham lost on Grand Banks-- 12
1875 -- Jan, Gloucester, MA Fishing Schooner Joseph Chandler lost, Grand Banks -- 12
1875 -- Feb, Gloucester, MA Fishing Schooner J. C. Call lost, Grand Banks -- 12
1875 -- Feb, Gloucester, MA Fishing Schooner Sarah H. Cressey lost, Grand Banks -- 12
1875 -- Mar, Gloucester, MA Fishing Schooner H.B. Stanwood lost, Georges Bank -- 12
1875 -- Mar. Gloucester, MA Fishing Schooner William C. Endicott lost, Georges Bk.-- 10
1875 -- Apr 23, Steamers Exporter, Charles Bodman, Kyle Burn, New Orleans, LA -- 30
1875 -- Apr 29, Fishermen Drown off Saint Joseph, MI -- 11
1875 -- Jul 06, Steamer Isaac Bell & tug Lumberman Collide, Hampton Roads, VA -- 10
1875 -- Aug 26, Ships Comet & Manitoba Collide, 7M SE Whitefish Point, WI -- 11
1875 -- Sep 10, Propeller Equinox Sinks, Storm, Lake Mich., ~Big Sable Point, MI --21-26

1923 Cross-listed under Hurricane.
1924 Cross-listed here as a subset of Hurricane (total fatalities >600).
MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (cont.)

524. 1875 -- Nov, Gloucester, MA Fishing Schooner *Pharsalia* Lost, Georges Banks -- 12
525. 1875 -- Nov 04, Steamship *Pacific* sinks collis. with *Orpheus*, off N. WA Coast --200-300
526. 1875 -- Nov 9, Steamship *City of Waco* Burns, off Galveston Bar, TX --49-70
527. 1875 -- Nov 18 Sch. *Sunshine* Strands, Columbia mouth, ~Cape Foul-Weather, OR --20-40
528. 1875 -- Dec 01, Steamer *Sunnyside* hits Ice/Sinks, Hudson Riv., near West Park, NY-- 11

529. 1876 -- Mar 01, *Nuova Ottavia* Grounds, Life-Saving Crew Lost, Kittyhawk, NC -- 18
530. 1876 -- March 1, Scow, Explosion, Umatilla Rapids, OR -- 13
531. 1876 -- ~Apr 4, Gloucester, MA Fishing Schooner *Kearsarge* Lost, Georges Bank -- 11
532. 1876 -- Apr 8, Gloucester, MA Fishing Schooner *Henrietta Greenleaf* Capsizes, ~GB-- 10
533. 1876 -- Apr-May, Gloucester, MA Fishing Schooner *James L. Shute* Lost on GB -- 14
534. 1876 -- Apr-May, Gloucester, MA Fishing Schooner *Janet Middleton* Lost on GB -- 11
535. 1876 -- ~May, Gloucester, MA Fishing Sch. *Saratoga* hit/sunk, Georges Bank -- 9-12
536. 1876 -- July 09, Steamer *St. Clair* Fire, Lake Superior, off 14 Mile Point, MI --26-27
537. 1876 -- Sep, Gloucester, MA Fishing Schooner *Walter M. Falt* lost on Grand Banks-- 12
538. 1876 -- Sep 17, Steamer *Rebecca Clyde*, Strands/Wrecks, 20m so. of Hatteras, NC --12-13
539. 1876 -- Oct, Gloucester, MA Fishing Sch. *Joseph F. Allen* Lost on Western Bank -- 10
540. 1876 -- Dec, Gloucester, MA Fishing Schooner *D. E. Woodbury* lost, trip to GB -- 10
541. 1876 -- Dec, Gloucester, MA Fishing Schooner *Howard Steele* Lost, La Have Bank -- 11
542. 1876 -- Dec, Gloucester, MA Fishing Schooner *J.F. Huntress* Lost, La Have Bank -- 10
543. 1876 -- Dec, Gloucester, MA Fishing Schooner *John S. Tyler* lost, La Have Bank -- 10
544. 1876 -- Dec, Gloucester, MA Fishing Sch. *Modena B. Jerauld* lost, La Have Bank -- 11
545. 1876 -- Dec, Gloucester, MA Fishing Schooner *William T. Merchant* lost, Grand Bk.-- 12
546. 1876 -- Dec, Gloucester, MA Fishing Schooner *Wyoming* lost, La Have Bank -- 9-10
547. 1876 -- Dec 30, Freighter *Circassian* Breaks-up in Storm, Mecox, Long Island, NY -- 28

548. 1877 -- Jan, Gloucester, MA Fishing Schooner *Mary Burnham* lost, La Have Bank -- 11
549. 1877 -- Jan 7, Steamer *Montgomery* hit by *Seminole*, sinks, 38m NE of Cape May NJ-- 13
550. 1877 -- Jan 20, U.S. Schooner *George Washington* Strands, Mistaken Point, NFLD-- 25
551. 1877 -- Apr 13, Steamer *Leo* Burns 83 miles south of Tybee Light, GA -- 23
552. 1877 -- Nov 24, U.S. Navy warship USS *Huron* Grounds in Storm, Nags Head NC- 83-103

553. 1878 -- Jan 2-3, Cape Cod Storm, Schrs. *A.P. Avery*, *Powwow*, *F. Fish* Wrecked -- ~12
554. 1878 -- Jan 10, Storm, Boston Fishing Sch. *Little Kate* Grounds Near Duxbury, MA-- 13
555. 1878 -- Jan 31, Steamer *Metropolis* Wrecks, gale, south of Jones Hill Station, NC --85-104
556. 1878 -- Jan-Feb, Gloucester, MA Fishing Schooner *Carrie P. Morton* lost, Grand Bk.-- 14
557. 1878 -- Sep 28, Steamer *Adelphi* Boiler Explos., ~Gregory’s Pt. E. Norwalk, CT --14-15
558. 1878 -- Oct 12, Whaling Bark *Sarah* Capsizes in Gale, out of Bedford, MA -- 22
559. 1878 -- Oct 20, Last sighting of Fishing Schooner *Cunard* out of Gloucester, MA1925-- 14
560. 1878 -- Oct 21-24, Hurricane, Maritime Loses, NC, VA, MD, DE, PA, NJ, CT1926-- 54
561. 1878 -- Dec 01, *Cotton Valley/Charles Morgan* Collide, MS R., ~Bringier Pt., LA --12-20
562. 1878 -- Dec 10, Steamer *Emily B. Souder* Founders, Storm, off Cape Hatteras, NC --36-38

1925 On Fishing trip to the Grand Banks.
1926 Land & Maritime losses cross-listed in Hurricane.
563. 1879 -- Feb 20-21, Storm, ~13 Gloucester, MA Sch’s Lost, George’s Bank, NF -- 143-157
564. 1879 -- Apr, Gloucester, MA Fishing Schooner Ida (or Ada) E. Baker, Western Bk. -- 12
565. 1879 -- Apr, Gloucester, MA Fishing Schooner William Thompson, lost, Banks -- 14
566. 1879 -- Apr 18, Steamer Great Republic Strands, Columbia River, Sand Island, OR -- 13-14
567. 1879 -- Aug-~, Whaling Schooner Arizona, reportedly lost off Cape Hatteras, NC -- 15
568. 1879 -- Aug 18-19, Hurricane, CT, MA, ME, VA, Chesapeake Bay, At Sea\textsuperscript{1927} -- 28
569. 1879 -- Oct, Gloucester, MA Fish Sch. N. H. Phillips, Lost, Banquereau Bank NS -- 13-14
570. 1879 -- Oct-Dec, Gloucester MA Fishing Sch. Harvey C. Mackay Lost, Grand Banks-- 10
571. 1879 -- Nov 08, Steamer Champion Collision with Brit. Bark, Cape Henlopen DE -- 31-32
572. 1879 -- Dec, Schooner Mary D. Pomeroy, Crescent City, CA to SF, CA, Lost -- 14
573. 1880 -- Jan, Barkentine Ray R. Sharp, Philadelphia, PA for Lisbon, Portugal, Lost -- 13
574. 1880 -- Mar 23, Gloucester, MA Sch. Annie C. Norwood lost, Caches’ Shoal, MA -- 14
575. 1880 -- Apr 27, Schooner Olivia Schultze Founders, ~mouth of Sinslaw River, OR -- 15
576. 1880 -- May 04, Storm, fishing boats capsize, Columbia River mouth, OR and WA -- 15-36
577. 1880 -- Jun 11, Steamer Narragansett Hit/Burns/Sinks, Fog, off Saybrook CT\textsuperscript{1928} -- 27-50
578. 1880 -- June 28, Stmr. Seawanhaka Explodes/Burns, East River, Randall’s Isl. NY -- 24-50
579. 1880 -- July 22, Stm. Mamie Bisected by Garland, Detroit Riv., ~Grosse Isle, MI -- 16-17
580. 1880 -- Aug, Bark Emma C. Litchfield, St. Mary’s, GA to Buenos Aries lost at sea -- 10
581. 1880 -- Aug 9, Steamer Bonnie Lee Boiler Explosion, Lenoir Pt., Red River, LA -- 9-10
582. 1880 -- Aug 28, Steamer City of Vera Cruz Sinks, Hurricane off Mosquito Inlet, FL\textsuperscript{1929} -- 68
583. 1880 -- Aug 28, Bark Miriam, Pensacola, FL to Rio de Janeiro, Lost at Sea -- 13
584. 1880 -- Aug 29, Bark Alfred, Pascagoula MS for Trinidad Island, Spain lost at sea -- 13
585. 1880 -- Oct 15/17, Steamer Alpena Sinks, Lake MI Storm, off Holland, MI -- 57-101
586. 1880 -- Nov, Gloucester, MA Fishing Schooner Nathaniel Webster, the Banks -- 14
587. 1881 -- Apr 15, Gloucester, MA Fishing Schooner Carrie S. Dagle lost, Western Bk.-- 12
588. 1881 -- Aug-Sep, Gloucester, MA Fishing Sch. Guy Cunningham lost Grand Banks-- 13-14
589. 1881 -- Dec 26, Steamer West Point Gas Explosion/Fire, York River, VA -- 19
590. 1882 -- Jan 22, Shipwreck, Bark F.L. Carney, South Hatteras Inlet, NC -- 8-10
591. 1882 -- Feb 5?, Gale, Gloucester Schs. Bellerophon, Carroll, Pew, Revere, Somes, GB-- 67
592. 1882 -- Mar 17?, Gale, Gloucester MA Schooners Northerner and Victor lost, GB -- 24
593. 1882 -- Mar 30, Steamboat Golden City burns near Memphis, TN -- 35
594. 1882 -- July 04, Scioto sinks, hit by John Lomas, OH River, Mingo Junction, OH -- 56-57
595. 1882 -- Aug 07, Steamboat Gold Dust Boiler Explosion, near Hickman, KY -- 17-24
596. 1882 -- Sep 30, Steamboat Rob’t. E. Lee burns, MS River, Yucatan Landing, MS ---25-30
597. 1882 -- Dec 01, R.G. Peters Fire/Founders, Lake Mich. Storm, out of Manistee, MI -- 14
598. 1882 -- Dec 05, Sch. Henry Folger Grounds on Reef, Salmon Pt. ~Wellington, Ont. -- 16
599. 1882 -- Dec 06, Steamboat Morning Star Boiler Explos., MS Riv., below N.O., LA -- 16-17

\textsuperscript{1927} Subset of Hurricane listing.
\textsuperscript{1928} Cross-listed under Fog as a Contributing Condition.
\textsuperscript{1929} Cross-listed in Hurricanes.
600. 1883 -- Jan 2, Cowe Tunnel Convict Boat Capsizes, Tuckasegee River, Western NC-- 19
601. 1883 -- Jan 29, Steam Collier Tacoma grounds off Umpqua, OR -- 10
602. 1883 -- Mar 04, Steamboat Yazoo Valley Snags/Sinks, MS Riv., ~ Red Church, LA --16-19
603. 1883 -- May 03, American Steamer Grapples, Puget Sound to Alaska, Burns, off BC-- 70
604. 1883 -- May 22, Schooner Wells Burt founders, Lake MI Storm, off Evanston, IL --10-11
605. 1883 -- May 25, Steamboat Pilot Boiler Explosion, Petaluma Riv. near Lakeville, CA-- 10
606. 1883 -- Aug 29, Gale, Gloucester MA Schooners Alaska & James Bliss lost, GB --23-24
607. 1883 -- Sep, Gloucester MA Schooner Charles Hildreth lost, trip to Georges Bank -- 10
608. 1883 -- Nov 12, Gale, Chesapeake Bay, Sloop Anne Gertrude, other Vessels Lost -- 9-20
609. 1883 -- Nov 12-14, Gales, nine Gloucester, MA Fishing Schooners lost, Georges Bank-114
610. 1883 -- Nov 16, Gale, Steamer Manistee lost, Lake Superior, ~Keweenaw Pen., MI --25-37
611. 1883 -- Dec 28, Gale, Gloucester Schs. Stetson, Knutsford, Irving, Maddocks lost --52-55
612. 1884 -- Jan 18, City of Columbus hits Devil’s Bridge reef, Martha’s Vineyard, MA--97-103
613. 1884 -- Jan 23, Raft upset/drownings, Upper Cumberland River, near Carthage, TN -- 9-10
614. 1884 -- Feb 28, Gale, Gloucester MA Fishing Schooners Magic and Phoenix lost -- 26
615. 1884 -- Apr 3, Rebecca Everingham fire, Chattahoochee Riv., Fitzgerald Landing GA-- 13
616. 1884 -- Jun 08, Ferry Boat goes over Falls, Drownings, Thompson’s Falls, MT -- 11
617. 1884 -- Jun 27, Schooner Deborah H. Diverty Founders, storm, off Beck’s Beach, NJ-- 10
618. 1884 -- Aug 29, Steamer Belmont Capsizes, High Wind, near Evansville, IN -- >13-16
619. 1884 -- Dec 12, Oyster Boats Capsize, Men Drown, Storm, Rappahannock River VA-- 27
620. 1885 -- Feb 9~, Gale, Gloucester, MA Fishing Schooner Solomon Poole lost GB -- 14
621. 1885 -- May 5, New Bedford, MA Whaling Bark Napoleon Sunk by Ice, Bering Sea-- 22
622. 1885 -- Aug, Schooner Washington, Appalachicola, FL to NYC, Lost at Sea -- 10
623. 1885 -- Aug 20, Brit. Bark Haddingtonshire Strands 3 miles No. Point Reyes, CA -- 15
624. 1885 -- Oct, Bark Bertha, Sand Key, Turk’s Island for Boston, Lost at Sea -- 13
625. 1885 -- Oct 12, Last sighting of Whaling Bark Amethyst of SF, CA on Arctic trip -- 40
626. 1885 -- Dec 25, Steamship City of Nassau lost after leaving Philly, PA -- 17
627. 1885 -- Dec 25-Jan 1886, Gloucester, MA Fishing Sch. Hyperion lost, GB trip gale? -- 12
628. 1885 -- Dec 25-Jan 1886, Gloucester, MA Fishing Schooner Mabel Dilloway Lost -- 16
629. 1885 -- Dec-Jan 1886, Gloucester, MA Fishing Schooner Virginia Dare Lost, GB -- 14
630. 1886 -- Jan 8-10, Gale, Coast of NJ, NY and New England, Maritime Losses -- 34
631. 1886 -- Jun-Jul, Gloucester, MA Fishing Schooner Seth Stockbridge lost, Greenland-- 14
632. 1886 -- Mar 16, Stm. Beda, Columbia Ri. to SF CA Founders ~Cape Perpetua OR -- 11
633. 1886 -- Aug-Sep, Gloucester, MA Fishing Schooner George L. Smith lost GB trip -- 14
634. 1886 -- Aug-Sep, Gloucester, MA Fishing Sch. John F. Wonson lost, Brown’s Bank-- 10
635. 1886 -- Sep, Steamboat Julia Boiler Explosion, [probably CA] -- 11
636. 1886 -- Oct 05, Steamer La Mascotte Flue Collapse/Fire, Neely’s Landing, MO -- 34
637. 1886 -- Nov, Kodiak Schooner Flying Scud lost near Karluk, AK --16-24
638. 1886 -- Nov 15-18, Great Lakes Region Storm, Maritime Disaster -- 39
639. 1886 -- Nov 19, Barges Menekaunee & Marinette Wreck, Lake MI., ~Frankfort, MI-- 14
640. 1886 -- Dec 13, Fire & Explosions, Steamer J. M. White, near Point Coupee, LA --15-40
641. 1886 -- Dec 14, Ship Harvey Mills founders, gale, Cape Flattery, WA -- 22
642. 1886 -- Dec 17, Whaling Bark Atlantic Grounds near San Francisco, CA -- 27
643. 1886 -- Dec 28, Steamer/Boarding House Bradish Johnson Fire,., Jackson, AL\(^{1930}\) -- ~24

MARITIME Disasters – Master Set -- Deadliest American – CHRONOLOGICAL (cont.)

644. 1887 -- Mar 01, W.H. Gardner Burns, Tombigbee River, Gainesville, AL -- 20
645. 1887 -- Apr, Gloucester, MA Fishing Schooner Jamestown Lost, Western Bank -- 12
646. 1887 -- Apr, St. Stephen or Stephens, Seattle to San Francisco, lost at sea near WA -- 27
647. 1887 -- Apr 01, Ship Eldorado (Seattle to SF) Sinks in storm off Cape Flattery, WA-- 12
648. 1887 -- Apr-Aug, MA Fishing Sch. Lydia Y. (or T.) Crowell, Lost, N.S. fishing --15-16
649. 1887 -- Jul 10, Sloop Yacht Mystery Capsizes, Overloaded, Canarsie Bay, LI, NY --24-33
650. 1887 -- Jun 17, Steamer Champlain Burns, Lake Michigan, off Charlevoix, MI --20-24
651. 1887 -- Jul-Oct, Bark Isabel, Rockland, ME to Pensacola, FL, Lost at Sea -- 10
652. 1887 -- Aug 20, Gale, Provincetown MA Whaling Sch. Ellen Rizpah lost ~Hatteras --13-14
653. 1887 -- Sep 3~, Gloucester, MA Fishing Sch. Thomas L. Tarr Lost, Gale, Banks trip-- 14
654. 1887 -- Sep 3, Gale, Provincetown, MA Fishing Sch. Rebecca R. Nickerson lost, GB -- 19
655. 1887 -- Oct 13, Propeller California Founders, Lake Mich., Straits of Mackinac, MI--13-14
656. 1887 -- Oct 18, Ship Alfred Watts, Philadelphia to Japan, Lost at Sea -- 25
657. 1887 -- Oct 29, Steamer Vernon Founders, Lake Mi. Storm, off Sheboygan, WI --30-50
658. 1887 -- Nov 3, Schooner Ocean Bird Capsizes, Storm, Pasquotank River, NC -- 9-20
659. 1887 -- Nov 17-19, Northeaster, Lake Superior, Thirty Shipwrecks -- ~ 40
660. 1887 -- Nov-Dec, Gloucester, MA Fishing Schooner Peter D. Smith lost Georges trip-- 12
661. 1887 -- Nov-Dec, Gloucester, MA Fishing Schooner William Parsons, 2\(^{nd}\), lost, GB -- 12
662. 1887 -- Dec 20, Str. San Vicente, SF to Santa Cruz, Burns off Point New Year, CA -- 12

663. 1888 -- Jan 09, Ship John T. Berry, Philadelphia, Pa. to Japan, Burns at Sea -- 11
664. 1888 -- Feb 27, Ferryboat Julia Boiler Explosion/Fire, South Vallejo, CA --30-40
665. 1888 -- Mar 11-14, East Coast “Blizzard of 1888,”\(^{1931}\) Maritime Loss component -- >100
666. 1888 -- May 03 Schooner Isabel, San Francisco to Shamagin Island, AK, Lost -- 14
667. 1888 -- May 21, Fishing Schooner Isabel springs a leak, founders, Coast of Alaska -- 14
668. 1888 -- Aug 22, Steamers Oceanic & City of Chester Collide, Fog, San Francisco\(^{1932}\)-10-34
669. 1888 -- Oct 03, Whaling Bark Ohio driven ashore near Point Hope, Chukchi Sea, AK-- 25
670. 1888 -- Nov 26, Schooner Edward Norton Wrecks, Stm., First Cliff Pt., Scituate MA-- 15
671. 1888 -- Nov 27, Storm, Philly Steam Collier Allentown Grounds off Cohasset, MA --18-21
672. 1888 -- Nov-Dec, Gloucester, MA Fishing Schooner Carleton Lost, Georges trip -- 12
673. 1888 -- Nov-Dec, Gloucester, MA Fishing Schooner Joseph O. lost, Georges trip -- 12
674. 1888 -- Dec 23, Steamer Kate Adams Burns, MS River, Commerce Landing, MS --14-33
675. 1888 -- Dec 24, Steamer John H. Hanna Burns, Mississippi Riv., Plaquemine, LA --20-30

676. 1889 -- Jan 05, Steamer Paris C. Brown Snags and Sinks, Hermitage Landing, LA -- 8-11
677. 1889 -- Feb 22, Nova Scotia Bark Josie Troop Wrecks at Chicamacomico, NC -- 11

\(^{1930}\) Cross-listed in Fires.
\(^{1931}\) Cross-listed in Winter Storms – Nor’easters
\(^{1932}\) Cross listed in Fog as a Contributing Factor.
678. 1889 -- Mar 16, Portland, ME Bark *E.L. Pettengill*, Wrecks, Chesapeake Bay -- 14
679. 1889 -- Mar 26--, Gloucester Fishing Sch. *Shiloh* reported run down off Cape Cod -- 14
680. 1889 -- Apr 06, Nor’easter, DE/MD/VA/NC, Chesapeake Bay, Many Vessels Lost -- 25-37
681. 1889 -- May 13, Storm, Steamer *Alaskan* Founders off Cape Blanco, OR -- 15-31
682. 1889 -- Oct 3, Steamer *Corona* Boiler Explos., Mississippi River, False River, LA -- 38-46
683. 1889 -- Nov 20, Steamer *Manhattan* sinks, collision, Sch. *Agnes Manning*, off DE -- 10-12

**MARITIME Disasters – Master Set – Deadliest American – CHRONOLOGICAL (cont.)**

684. 1890 -- Jan 9~, Gloucester, MA Fishing Schooner *Alice M. Strople* lost GB Gale? -- 14
685. 1890 -- Mar-Apr, Gloucester, MA Fishing Sch. *William W. Rice* lost, Iceland trip -- 16
686. 1890 -- July 13, Severe Storm, Steamer *Sea Wing* Capsizes, Lake Pepin, MN -- 97-100
687. 1890 -- Aug 6, Boston Sch. *Magellan*, sunk by the *St. Mary* near Falkland Islands -- 20-22
688. 1890 -- Nov 05, 8, Schs. *Lillie Amoit & John D. Miner* collide, Menominee Hbr., MI -- 25
689. 1890 -- Nov 24, NY Steam-Yacht *F.L. Norton* leaves New London for France, Lost -- 10
690. 1890 -- Nov 27, Steamer *T. P. Leathers* Burns, Miss. River, Point Breeze, MS -- 17-19

691. 1891 -- Jan-Feb?, Gloucester, MA Fishing Schooner, *Veteran* lost, Georges trip -- 12
692. 1891 -- Feb 21, Ship *Elizabeth*, NYC to SF, Grounds, Tenn. Cove, Marin Ct. CA -- 17-20
693. 1891 -- Feb 26, Gale, craft lost, lower James Ri. ~Warwick Ri. mouth, Newport News, VA -- 20-24
694. 1891 -- Mar 24, Steamer *Strathairly* Wrecks (Grounds) at Chicamacomico, NC -- 19
695. 1891 -- Aug 12, Storm, Barge *Republic* deck falls, Cold Spring Harbor, L.I., NY -- 13-16
696. 1891 -- Sep, Gale, Beverly, MA Fishing Sch. *Albert Woodbury* Lost ~Nova Scotia -- 11-12
697. 1891 -- Sep-Oct, Gloucester, MA Fishing Schooner *Percy* Lost, Georges Bank trip -- 12
698. 1891 -- Oct, MA Fishing Schooner, *Hattie N. Reed*, Lost at Sea -- 15
700. 1891 -- Oct 22, Gale, Fishing Schooner *Red Wing* breaks in surf, ~Indian Riv. Inlet, DE -- 6
701. 1891 -- Oct 29, Str. *Oliver Beirne* Fire, MS Ri., Millikens Bend, ~Vicksburg MS -- 15-19

702. 1892 -- Feb 02, SF, CA Whaling Bark *Tamerlane*, Strands, Puna Island, HI -- 19
703. 1892 -- Feb 19-Mar 02~, Gale, Sch. *Tecumseh*, Strands, Fenwick Isl. Shoals, MD -- 10-11
704. 1892 -- Jun 13, Mil. Munitions Explos., USS *Boston*, Mare Isl. Navy Yard, CA -- 14-16
705. 1892 -- July 12, Storm, *Frankie Folsom*, small boats founder, IL Ri., Peoria, IL -- 14-21
706. 1892 -- Aug 26, Ship *William A. Campbell*, out of Port Townsend, WA sinks, storm -- 11-14
707. 1892 -- Sep 01, *Western Reserve* Sinks, Storm, off Sable Banks, near Deer Park, MI -- 26-31
708. 1892 -- Oct ~28, OH Steamer *W.H. Gilcher* Sinks, Stm., Lake MI, ~Manitou Is. MI -- 18-21

709. 1893 -- May 07, Steamer *Ohio* Steam Flue Bursts, Miss. River near Wolf Island, MS -- 13
710. 1893 -- Aug, Gloucester, MA Fishing Sch. *Pioneer* lost, Georges Bank trip -- 12
711. 1893 -- Aug 03, Steamer *Rachel* Sinks, Lake George, ~Fourteen Mile Island Hotel, NY -- 9
712. 1893 -- Aug 24, Schooner *Empire State* Sinks, Storm, off Barnegat, NY -- 10
713. 1893 -- Aug 24, Tugboat *Panther* Sinks, Storm, SE Coast Long Island, NY -- 17
714. 1893 -- Oct 1-2, Hurricane Cheniere Caminanda, Gulf Coast, LA, MS, AL -- 123-127

1933 Cross-listed in Explosions.
1934 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.
1893 -- Oct 13-14, Great Lakes Storm, Dean Richmond, Wocoken, others, lost --65-73
1893 -- Dec 15, Schooner Mascot leaves SF, CA homeport, sealing trip, lost at sea -- 17

MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (cont.)

1894 -- Jan 12-13~, Gloucester Fishing Schs. Edwards, Flash, Henrietta lost, Gale -- 26
1894 -- Mar 12-Jun~, Gloucester Fishing Sch. Ambrose H. Knight lost, Iceland trip -- 16
1894 -- Apr, Gloucester, MA Fishing Sch. Martha and Susan lost, Georges trip -- 13
1894 -- Apr 10, Schooners Albert W. Smith and Kate Markee Wrecked, NJ Coast -- 16
1894 -- May 11, Amer. Whaling Bark James Allen hits rock/sinks, Amlia Isl., AK -- 25
1894 -- Jun 14, Steam Tug James D. Nicol Overloaded, Founders, Sandy Hook, NJ --35-42
1894 -- Sep 27, Ship Ivanhoe leaves Seattle for SF, lost in storm off WA/OR coast --23-24
1894 -- Dec, Steamer Keweenaw Lost, Storm, Pacific NW Coast -- 29
1895 -- Jan 21, Chicora Sinks, Storm, Lake Michigan, off South Haven, MI --24-26
1895 -- Jan 26, Barges towed by Sea King Founder, Storm, off Point Judith, RI -- 12
1895 -- Feb 09, Gloucester Schooner Clara F. Friend strands, Eastern Head, N.S. -- 12
1895 -- Mar 08, Steamer Longfellow hits C&O Bridge Pier, Sinks, Cincinnati, OH --11-14
1895 -- Apr 22, Storm, Rappahannock Riv., Middlesex Co., Burham’s Wharf, VA -- 10
1895 -- May 27, Colima (SF, CA) Founders, Storm, off Manzanilla, Mexico -- 153
1895 -- Nov 23-Dec, Gloucester Fishing Schooner Falcon Lost, Georges Bank trip -- 11
1896 -- May 10, Harry Brown Boiler Explosion, Miss. Riv. ~Ursina Landing, MS -- 10
1896 -- Oct 14, NY Fishing Smack W. W. Story last seen off Absecon, NJ -- 11
1896 -- Oct 20, Steamer Arago Snags/Sinks, Mouth of Coos Bay, OR -- 13
1897 -- Aug 12, Whaler Navarch caught in ice, abandoned off Blossom Shoals, AK --13-16
1897 -- Nov 05, Freighter Idaho Sinks, Lake Erie Storm, off Long Point, Ontario -- 19
1897 -- Nov 25, Provincetown, MA sch. Susan R. Stone sails for West. Bank, lost -- 19
1898 -- Jan 31-Feb 1, Storm, Maritime Fatalities, MA Coast, esp. Gloucester area --17-35
1898 -- Feb 5, Storm, Clara Nevada Grounds/Explodes, ~Eldred Rock, AK --33-150
1898 -- Feb 15, Battleship USS Maine magazine explosion, Havana Hbr., Cuba --263-268
1898 -- Mar 20/21, Bark Helen W. Almy capsizes in gale near Point Bonita, CA --40-41
1898 -- May 22, Seattle Schooner Jane Grey, leaks, sinks, W of Cape Flattery, WA -- 34
1898 -- June 28, Storm, Steamer Jessie V. swamped, Kuskokwim River mouth, AK -- 18
1898 -- Nov 26-27, Portland Gale, SS Portland sinks (Cape Ann MA), New Eng.--450-500
1899 -- Jan 14/15, Sailing Ship Andelana sinks while moored at Tacoma, WA --17-20
1899 -- Feb 14~, Gloucester MA Schooner A.M. Burnham lost on Brown’s Bank -- 12
1899 -- Mar 07, Steamer James Bowen Founders off Hog Island, VA -- 10
1899 -- Apr 04, Chilkat Wrecks in “Heavy Sea,” Humboldt Bay Bar, CA -- 10
1899 -- Apr 21, Steamer General Whitney Founders, off St. Augustine, FL -- 17

1935 Cross-listed under Explosions.
752. 1899 -- Oct 30, Steamer George L. Colwell Founders, Gale off Coast of SC -- 12
753. 1899 -- Dec 05, Freighter Niagara sinks, Lake Erie Storm, 10m E of Long Pt. Ontario-- 12

**MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (cont.)**

754. 1900 -- Jun 30, Fire, Lloyd Steamship Piers, Main, Bremen, Saale, Hoboken NJ1936-300-400
755. 1900 -- Aug 2-3, Storm, Steamers Merwin, Resolute and Dollar “Wreck,” AK -- 15
756. 1900 -- Aug 7, Storm, Maritime Disaster, Nome vicinity, AK -- 38
757. 1900 -- Sep 11, John B. Lyon Sinks, Lake Erie Storm, off Conneaut, OH -- 11
758. 1900 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome AK1937>100
759. 1900 -- Sep 14, Gloucester, MA fishing schooner Sigfrid sails for Quero Bank, lost -- 13
760. 1901 -- Jan 22, Gloucester, MA schooner Commonwealth sails for Georges Bank, lost-- 14
761. 1901--Feb 22, City of Rio de Janeiro Grounds/Sinks, Fog, Fort Point, SF Bay CA1938-127-140
762. 1901 -- May 12, City of Paducah snags/sinks, MS Ri., ~Brunkhorst Landing, IL --15-27
763. 1901 -- May 24, Lake Huron storm, steamer Baltimore sinks off Au Sable Pt., MI --12-13
764. 1901 -- Aug 14, Steamer Islander hits Iceberg, off Douglas Island, near Juneau, AK --42-70
765. 1901 -- Aug 28, City of Trenton, Boiler Explodes, Delaware River, ~Torresdale, PA--26-28
766. 1901 -- Aug 28, City of Trenton, Boiler Explodes, Delaware River, ~Torresdale, PA--26-28
767. 1901 -- Sep 16, Gloucester, MA Schooner Lolanthe departs for codfishing trip, lost -- 14
768. 1901 -- Sep 16, Steamer Hudson Founders in Gale, L. Sup. ~8M off Eagle River, WI-- 24
769. 1901 -- Dec, Steamship Matteawan lost off West Coast -- 33
770. 1902 -- Jan 2, Steamer Walla Walla hit by bark Max, 9m off Cape Mendocino, CA --36-43
771. 1902 -- Jan 25, Gloucester, MA fishing Schooner Alva sails for Georges Bank, Lost-- 17
772. 1902 -- Feb 02, Belle of Oregon, Antelope, Mystic Bell lost, near Fire Island, NY -- 13
773. 1902 -- Mar 12, Steamer Providence Grounds, Storm, Davis Bend, LA -- 19
774. 1902 -- Apr 20, Steamer City of Pittsburg Fire, OH Riv., ~Ogden’s Landing, KY -- 12
775. 1902 -- July 17, Sudden Squall, Excursion Party Boat Capsizes, ~Appledore Is. ME -- 14
776. 1902 -- Oct 13, Storm, C.B. Lockwood, lifeboat lost, Lake Erie, off Fairport Harbor, OH-- 10
777. 1902 -- Nov 23, Freighter Silvanus J. Macy Sinks, Lake Erie Storm -- 14
778. 1902 -- Dec 03, Ship Progreso Fuel Tank Explosion, Fulton Shipyard, SF, CA -- 12
779. 1902 -- Dec 05, Schooner Wesley M. Oler Founders off Hatteras Inlet, NC -- 10
780. 1902 -- Dec 17, Schooners Louise B. Crary/Frank A. Palmer Collide, Gloucester MA-- 11
781. 1902 -- Dec 17, Last sighting, Gloucester fishing Sch. Annie Wesley, off Sable Island-- 14
782. 1902 -- Dec 21, Last sighting of American ship Florence, Tacoma, WA for Honolulu-- ~15
783. 1903 -- Jan 02, Bark Prince Arthur Grounds on Rocks off Coast of WA -- 18
784. 1903 -- Feb 17, Steamer Olive sunk, Tornado, Chowan Riv., Woodley’s Pier, NC1939-14-18

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1936 Cross-listed under Fires, Structural.
1937 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.
1938 Cross listed in Fog as Contributing Factor.
1939 Cross-listed in Tornadoes.
1903 -- Mar 07, Ferryboat Capsizes, Hudson River, Spier Falls ~Glens Falls, NY – 17-19
1903 -- May 5, fog, Gloucester, MA fishing Sch. *Gloriana* grounds, White Point, NS1940-15
1903 -- May 5, Fog, Steamer *Saginaw* sinks, liner *Hamilton* collis. ~Hog Island, VA1941-15
1903 -- Aug, Hurricane, Steamer *George W. Kelley* lost, Caribbean, for New Orleans– 19
1903 -- Sep 15-17, Maritime Component, Mid-Atlantic Coast Hurricane1942 --90-107
1903 -- Oct 03, Storm, Steamer *Erie L. Hackley* Sinks, Green Bay ~Green Isl., WI -- 11-12
1903 -- Oct 19, Steamer *South Portland* Grounds, Cape Blanco, OR -- 19
1903 -- Nov 1, Storm, Steamer *Discovery* founders (all lost), off SE AK Coast --26+40

**MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (cont.)**

1904 -- Jan 8, Steamer *Clallam* Sinks, Storm, San Juan de Fuca Straits, WA -- 52
1904 -- Feb 27, Steamship *Queen* Fire/Drownings,, off Coast of OR -- 14
1904 -- Apr 13, Battleship *Missouri* Magazine Explosion, off Pensacola, FL1943 --32-34
1904 -- May 26, Tow *Fred Wilson* Boiler Explosion, West Louisville, KY -- 11
1904 -- June 15, Fire, General Slocum Excursion Steamer, East Riv., NYC, NY--957-1,200

1905 -- Jan 3, Towboat *Defender* Boiler Explos., OH Riv., near Huntington, WV -- 9-20
1905 -- March 10, San Francisco fishing schr. *Pearl* Wreck Found, Unga Island, AK-30-36
1905 -- July 7, Drownings, at Log Jam, Chippewa River, Little Falls Dam, WI -- 11
1905 -- July 21, USS *Bennington* Gunboat Boiler Explosion, San Diego, CA --60-65
1905 -- Aug 28, Steamship *Peconic* Founders off Northeast Coast of FL -- 20
1905 -- Sep 2-3, *Iosco & Olive-Jeanette* sink, Lake Sup. storm, E of Keweenaw Pen., MI--26
1905 -- Oct 19, *Kaliyuga* Lost, Lake Huron Storm, last seen off Presque Isle, MI -- 17
1905 -- Nov 25, *Nellie Coleman* Lost at Sea, Squaw Harbor, AK to Seattle, WA --12-30

1906 -- Jan 10, Bark *Nicholas Thayer* Lost from Seattle WA for Seward, AK -- 10
1906 -- Jan 13, Schooner *Robert H. Stevenson* Grounds, Diamond Shoals, NC -- 12
1906 -- Jan 22, Storm, *Valencia* Grounds/Sinks south side Vancouver Island, BC --117-136
1906 -- Apr 13, Battleship USS *Kearsarge* Turret Powder Fire off Cape Cruz Cuba -- 10
1906 -- Jun 11, Steamer *Corinthian* Grounds, Humboldt Bar, CA -- 12
1906 -- Oct 18, Sidewheel Steamer *St. Lucie* Founders, Hurricane, Elliot Key, FL1944 -- 21
1906 -- Nov 18, Steamers *Dix* and *Jeanie* collide, *Dix* sinks, Puget Sound, WA --42-45
1906 -- Nov 21-22, Great Lakes Storm, U.S. and Canadian losses (esp. maritime) --38-39
1906 -- Dec 19, Steamer *W.T. Scovell* Boiler Explosion, ~Vicksburg, MS --10-16

1907 -- Feb 11, Steamship *Larchmont* Hit/Sinks in Blizzard off Block Harbor RI --123-332
1907 -- Feb 22, Steamer *Marion* Burns, Wadmalaw Sound, Hart’s Landing, SC --12-24
1907 -- Apr 2/3, Ship *Arthur Sewall* Lost at Sea after sailing from Philadelphia, PA -- 28

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1940 Cross-listed in Fog as a Contributing Factor.
1941 Cross-listed in Fog as a Contributing Factor.
1942 Cross-listed in Hurricanes (total life lost, 125) – includes Sch. *George F. Edmunds* (15 lives lost)
1943 Cross-listed under Explosions.
1944 164 deaths are attributed in total to the Oct 18-21, 1906 Florida Keys Hurricane.
821. 1907 -- Apr 10, Bark *Adolph Obrig* Lost after sailing from NYC, NY -- 18
822. 1907 -- Apr 13, Steamer *Arcadia* Founders, Lake Michigan, Big Sable, MI -- 12
823. 1907 -- June 11, Battleship *Minnesota* Launch Run-Down Hampton Roads, VA -- 11
824. 1907 -- July 15, USS *Georgia* Gun Turret Powder Explosion off Cape Cod, MA -- 10
825. 1907 -- July 21, Collision, Steamer *Columbia & San Pedro*, off Shelter Cove, CA -- 80-86
826. 1907 -- Oct 22, Gloucester, MA fishing sch. *Clara G. Silva* loses five dories, storm -- 10
827. 1907 -- Oct 11, Storm, Steamer *Cypress* Founders, Lake Sup., off Deer Park, MI -- 22-26
828. 1907 -- Nov 24, Last contact with Ship *Bangalore*, Norfolk VA to Honolulu, HI -- 21
829. 1908 -- Jan/Feb, Gloucester Fishing Schooner *Northern Eagle*, lost, Gulf of Mex. -- 9-10
830. 1908 -- Jan 08, Schooner *John F. Miller* Grounds, Nelson Lagoon, AK -- 10
831. 1908 -- Jan ~23, Steamer *Bluefields* Founders, Storm off Cape Hatteras, NC -- 18
832. 1908 -- Feb 14, Ship *Emily Reed* Grounds, Nehalem Beach, OR -- 11
834. 1908 -- May 02, Steamer *Minnie E. Kelton* Grounds, Yaquina Head, OR -- 11
835. 1908 -- May 26, Boston Sch. *Fame*/UK Steamer *Boston* Collide, fog, Cashes Bank -- 18
836. 1908 -- July 24, Bark *Auburndale* Lost from Turks Island, Carib., to Philadelphia PA -- 10
837. 1908 -- Aug 27, Last report from Ship *Fort George*, NY, NY to Honolulu, HI -- 20
838. 1908 -- Sep 1, Drownings, Sloop Capsizes in Squall, Penobscot Bay off Deer Isle, ME -- 7
839. 1908 -- Sep 20, Ship *Star of Bengal* Grounds, Coronation Island, AK -- 112
840. 1908 -- Nov 21, Steamer *Star of Bengal* Explosion/Fire, Miss. River, Palo Alto, LA -- 10-11
841. 1908 -- Nov 30/Dec 1, Storm, Steamer *Star of Bengal* Grounds, ~Whitefish Pt., MI -- 24-27
842. 1908 -- Dec 02, U.S. Steamer *Soo City* Lost in Storm, Gulf of St. Lawrence -- 19
843. 1909 -- Jan 25, Schooner *William C. Tanner* Lost, Rockport, MA to Key West, FL -- 10
844. 1909 -- May, ~1-2, Storm, Stm. *Adella Shores* Sinks, Lake Sup., ~Grand Isl., MI -- 14-21
845. 1909 -- May 18, Drownings, overloaded Launch Sinks, OH Riv., ~Schoenville, PA -- 20-26
846. 1909 -- June 06, Ship Hits Wharf, Collapses, Mandeville, Lake Pontchartrain LA -- 11
847. 1909 -- July 12, Fog, SS *John B. Cowle* hit by *Scott*, sinks, Lake Superior off Whitefish Pt., MI -- 10-11
848. 1909 -- July 18, Sloop *Roxana* Capsizes, and other Drownings, N. Y. Bay -- 19-22
849. 1909 -- Aug 18, Gloucester, MA Schooner *Orinoco* capsizes, Sambro, Nova Scotia -- 11
850. 1909 -- Oct 11, Tug *Sybil* Wrecks, Hurricane, off coast of Miami, FL -- 11
851. 1909 -- Dec 08, Coal Ferry *Marquette & Bessemer* #2 Sinks, Lake Erie Storm -- 19-22
852. 1909 -- Dec 08, *Clarion* Fire, Lifeboat Loss, Lake Erie, ~SE Shoal Lighthouse, Ont.-- 15
854. 1909 -- Dec 23, Schooner *Susie M. Plummer* abandoned, Cape Flattery, WA -- 10
855. 1909 -- Dec 24, Steamer *Columbia* Lost, out of NYC, NY to Port au Prince Haiti -- 11
856. 1909 -- Dec 26, Schooner *David Palmer* Founders off Boston Harbor, MA -- 14
857. 1910 -- Jan 12, Steamer *Czarina*, Grounds on Coos Bay Bar, OR -- 24
858. 1910 -- Jan 22, Schooner *Henry B. Fiske* of Boston, Capsizes off Nantucket MA -- 8-10

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1945 Cross listed in Fog as Contributing Factor.
1946 Cross-listed in Fog as a contributing factor.
MARITIME Disasters – Master Set -- CHRONOLOGICAL (continued):

860. 1910 -- Mar 15, Tug USS Nina Lost, presumably Gale off Chesapeake Capes, VA 1948 -- 33
861. 1910 -- May 11, City of Saltillo Grounds on Rock, Sinks, Glen Park, MO -- 12
862. 1910 -- May 23, Frank H Goodyear hit/Sinks, Lake Huron, ~Pt. Aux Barques MI -- 23
863. 1910 -- May 23, fog, Frank H. Goodyear hit by Wood, sinks, Lake Huron ~Pt. Aux Barques MI 17-19
864. 1910 -- Oct 1, Battleship New Hampshire Launch Capsizes, Hudson River, NY --23-31
865. 1910 -- Oct 11-14, Steamship Arkadia Lost, New Orleans, LA to San Juan, P.R. -- 37

866. 1911 -- Jan 10, Barges Trevorton/Corbin/Pine Forest Wreck, Cape Cod, MA -- 17
867. 1911 -- Jan 21~, Gloucester Sch. Ella M. Goodwin departs Bay of Islands, NFL, lost-- 10
868. 1911 -- Jun 12, Storm, Fishing Boats Capsized, James River & Hampton Roads, VA-- 15
869. 1911 -- Jun 24, City of St. Joseph Flue Collapse, Miss River, Presidents Island, TN -- 22
870. 1911 -- July 07, Steamer Santa Rosa Grounds north of Point Arguello, CA -- 12
871. 1911 -- July 28, New England Coastal Storm, Craft Lost (esp. Nokomis), esp. MA -- 11
872. 1911 -- Aug 26, Schooner Margaret A. May Founders, Kiawah Island, SC -- 10
873. 1911 -- Nov 12, Storm, Steam Barge Lost off NY Harbor, NY -- 14

874. 1912 -- Feb 29, Steamer J.E. Trudeau Burns, Belle River, LA -- 10
875. 1912 -- Mar 15, Gloucester MA Schooner Patrician founders, Jordan Bay, Nova Scotia-10
876. 1912 -- Apr 14, RMS Titanic Hits Iceberg/Sinks (1,517 total fatalities 1949) Atlantic -- 119
877. 1912 -- Nov 23, Rouse Simmons Sinks, Lake Michigan Storm, near Two Rivers, WI--11-17
878. 1912 -- Dec 15, Schooner S.O. Co. No. 87 Founders, Gulf of Mexico -- 10

879. 1913 -- Jan 1-25, Steamer El Dorado Lost, from Sparrow Point MD to Galveston -- 39
880. 1913 -- Jan 03, Julia Luckenbach Collision/Sinks, Fog, near Tangier Island, VA1950 -- 16
881. 1913 -- Jan 07, Rosecrans Grounds, Storm, mouth Columbia Riv., Peacock Spit OR--30-36
882. 1913 -- Jan 09, Jas. T. Staples Boiler Explosion, Tombigbee River, near Mobile, AL-15-16
883. 1913 -- March 7, Harbor/Ship (Alum Chine) dynamite explosion, Baltimore, MD1951-- 55
884. 1913 -- Apr 06, Grounded Barque Mimi Capsizes during Salvage, Nehalem Spit OR-- 18
885. 1913 -- May 02, Concordia Founders, Tensas River, for Natchez, MS -- 22
886. 1913 -- June 9, Whaler Steamer A. T. Gifford leaves New Bedford, MA, Lost -- 15
887. 1913 -- June 28, Raft ferry sinks, drownings, Kiskiminetas River, near Leechburg, PA-- 10
888. 1913 -- Aug 17, Steamer State of California hits rock, Gambier Bay, Admiralty Is. AK--31-32
889. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost1952-US 172-192 of 254-277
890. 1913 -- Dec 26, Barges A.G. Ropes & Undaunted Founder, off Barnegat, NJ -- 10

891. 1914 -- Jan 04, Steamer Oklahoma breaks-up/sinks/rough sea, off Sandy Hook, NJ --26-32
892. 1914 -- Jan 30, Steamers Monroe & Nantucket Collide, fog off Hog Island, VA1953 -- 41

1947 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.”
1948 Lowell Sun (MA) gives the date Feb 6, 1910 in “Shipping Disasters: Summary of the Accidents That Occurred Last Year,” March 21, 1910.
1949 Of the 1,517 fatalities, 119 were U.S. citizens. The Titanic was headed for New York. (J.R. Henderson)
1950 Cross-listed in Fog as a Contributing Condition.
1951 Cross-listed in Explosions.
1952 Cross-listed in Winter Storms (though technically late Fall, the storm itself was winter snow and wind storm).
901. 1915 -- Jan 24-5, Sch. Yacht Idler Grounds, Diamond Shoals, ~Cape Hatteras, NC --12-15
902. 1915 -- Mar 25, USN Submarine Skate (F-4) Sinks, near Honolulu Harbor, HI -- 21
903. 1915 -- Apr 03, Storm, Cumberland, 2 Barges Wreck, Cape Henlopen, DE -- 10
904. 1915 -- Apr 03, Steamer Edward Luckenbach Founders, False Capes, VA -- 15
905. 1915 -- Apr 03, Steamer Prinz Mauritius Wrecks, off Cape Hatteras, NC -- 49
906. 1915 -- Apr 05, Gale, Schooner John B. Manning found bottom-up 20m N, Hatteras NC-10
907. 1915 -- May 07, RMS Lusitania Torpedoed, German Sub (1,198 killed)\(^{1954}\) -- 128
908. 1915 -- Jul 24, Eastland Passenger Ship overloaded, Capsizes, Chicago, IL --812-852
909. 1915--Aug 14-15, United Fruit Co. Steamer Marowijne Sinks, Hurricane, Gulf of Mx.-87-98
910. 1915 – Aug 16-17, Dredgeboat Sam Houston Grounds, Hurricane, Highland, TX\(^{1955}\)-- 50
911. 1915 -- Aug 16-17, U.S. Dredger San Bernardo Grounds, Hurricane ~Galveston\(^{1956}\)-- 19
912. 1915 -- Aug 22, Boston Schooner Maude Palmer Sinks, Gulf of Mexico -- 11
913. 1915 -- Nov 2, Steamer Santa Clara Grounds, Coos Bay Bar, OR --12-15
914. 1915 -- Nov 03, Steamer Orteantan sails from NY, NY, not heard from again -- 36

915. 1916 -- Freight Steamer Frederick Lost at Sea, North Atlantic -- 33
916. 1916 -- Jan 04, Gas Fumes Explos., Oil Tank Steamer Aztec Norge, Erie Basin, NY -- 13
917. 1916 -- Jan 5, Kanawha, in storm hits tower, Capsizes, OH Ri. ~Parkersburg, WV -- 16
918. 1916 -- Feb 02, Steamer Sam Brown Boiler Explosion, Huntington, WV -- 11
919. 1916 -- Apr 07, Schooner Bertha L. Barker Lost, out of New York, NY -- 13
920. 1916 -- May 08, Steamer Kirby Sinks, Lake Superior Storm, near Eagle Harbor, MI --20-21
921. 1916 -- May 09, Steamer Roanoke Founders off Point Buchon, CA --45-47
922. 1916 -- June 5, Tornado, Packet-boat Eleanor Capsizes, MS River ~Memphis, TN--12-30
923. 1916 -- July 14, Ramos Founders, from Philly PA to Cartagena, Columbia -- 11
924. 1916 -- July 17, Steamer C.W. Morse leaves NY, NY, not heard from again -- 25
925. 1916 -- Aug 16, Admiral Clark Founders, Storm, off San Antonio, TX -- 20
926. 1916 -- Aug 29, Cruiser USS Memphis driven to shore by Giant Waves, Dom. Rep. -- 41
927. 1916 -- Oct 20-21, Merida, D.L. Flyer, James B. Colgate Sink, Storm, Lake Erie --54-59
928. 1916 -- Dec 26, Steamer Orleanian Founders in Storm, Atlantic, out of NYC -- 36
929. 1916 -- Dec 26, Steamer Maryland Lost, Atlantic, 300 miles off NY --26-34

\(^{1953}\) Cross-listed in Fog as a Contributing Condition.
\(^{1954}\) Though a British boat, 128 U.S. citizens were killed; considered a disaster at the time.
\(^{1955}\) Cross-listed in Hurricanes as a subset. There were 275-352 total fatalities.
\(^{1956}\) Cross-listed in Hurricane as a maritime subset.
1917 -- March 6, Ship *Timandra* Lost after leaving Norfolk, VA -- 19
1917 -- March 16, *Vigilancia* torpedoed by German Sub (NY to Archangel) -- 15
1917 -- March 21, Steamer *Healdton* Torpedoed, German Sub, North Sea
1917 -- April 1, U.S. Steamer *Aztec* Hit by German Torpedo, off France -- 29
1917 -- Jun 30, *Chesapeake Columbus* hits wharf/water-tank falls, Milwke. Riv. WI--15-18
1917 -- Sep 03, Bark *Alice Knowles* Founders 200 Miles Northeast of Bermuda -- 31
1917 -- Sep 5, Whaling Brig *Viola* sails, not seen again, out of New Bedford, MA -- 19
1917 -- Dec 08, *Eugene F. Moran* Founders, Storm, off Atlantic City, NJ -- 13
1917 -- Dec 17, USN Sub *F-1* Collides with *F-3*, Sinks off Coast of San Diego CA -- 19
1918 -- Mar 04, Last sighting of Collier USS *Cyclops*, off Barbados, Caribbean -- 306
1918 -- Mar 19, Tug *W.A. Bisso*, Sinks in Collision near New Orleans, LA -- 13
1918 -- Apr 05, Ship *Avon* Departs NY, NY, not heard from again, presumed lost -- 17
1918 -- May 01, Steamship *City of Athens* Sinks in Collision off Coast of DE -- 67
1918 -- Jun 02, Lifeboat from *Carolina* (sunk by U-151) Capsizes, Storm, off NJ -- 16
1918 -- Jul 05, Steamer *Columbia* Snags/Sinks, Fog, IL Riv., Wesley City, Pekin IL--87-89
1918 -- Aug 27, USS *SC-209* Sub Chaser Sunk by USCG, so. of Long Island, NY --17-18
1918 -- Sep 25, *Princess Sophia* (Can.) Strands, Vanderbilt Reef ~Juneau AK --333-360
1919 -- Jan 10, Steamer *Yuna* Grounds, Monchoir Bank, Bahamas -- 64
1919 -- Mar ~28, Boston Tug *Charles W. Parker, Jr*, Norfolk to Boston, Storm/Lost-- 17
1919 -- Apr 28 U.S. Navy Launch Hits Log, Capsizes, Hudson River, NY, NY -- 13
1919 -- May 23, Steamer *Virginia* Fire ~Potomac Ri. mouth, Chesapeake Bay, MD -- 6-15
1957 U.S. was not at war at the time. Congress declared war on April 6, 1917.
1959 Cross-listed in Lightning.
1960 Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.
968. 1919 -- Sep 9-10, Hurricane, Corydon, Grampus, Larimer, Lake Conway, Munisla lost-127
969. 1919 -- Oct 28, Steamer Muskegon Hits Pier in Storm, Muskegon Harbor, MI -- 29
970. 1919 -- Nov 7-9, Baltimore MD Steamer Polar Land founders off Scatarie Isl. NS -- 51
971. 1919 -- Nov 11, John Owen Founders, Lake Superior, Out of Duluth, MN -- 22
972. 1919 -- Nov 19-Dec, Providence, RI Schooner T.W. Allan Founders, Bay of Fundy -- 26
973. 1919 -- Nov 22, Steamer Myron Founders in Lake Sup. Gale off Whitefish Point, MI-16-18
974. 1919 -- Dec 17, Schooner Sunbeam Wrecks (Grounds), off Currituck, NC -- 18
975. 1919 -- Dec 18, Steamer J.A. Chanslor Hits Rocks, Wrecks, off Cape Blanco, OR -- 38
976. 1919 -- Dec 26, Schooner Eleanor A. Percy Founders off coast of Ireland -- 13

MARITIME Disasters – Master Set – CHRONOLOGICAL (continued)

977. 1920 -- Jan 26, Steamer Mielero Sinks in Storm off Coast of FL -- 22
978. 1920 -- Jan 29, Steamer Samuel Faunce lost, Wilmington, NC to Key West FL1961 -- 13
979. 1920 -- Feb 01, Steamer Fortune Lost off Jekyll Island, GA -- 13
980. 1920 -- Feb 06, Steamer Polias, Snowstorm, hits Old Cilley Ledge, Penobscot Bay, ME-- 11
981. 1920 -- Feb 19, Schooner Henry W. Cramp Lost, Norfolk VA to Dominican Rep. -- 10
982. 1920 -- Feb 29, Steamer Cubadist Lost from Cuba to Baltimore, MD -- 37
983. 1920 -- Apr 18, Steamer William O’Brien out of NYC, Lost in Storm, Atlantic -- 40
984. 1920 -- Aug 20, Superior City Hit/Sinks, Lake Superior, Whitefish Bay, WI -- 29
985. 1920 -- Oct 29, Schooner Cape Fear & City of Atlanta Collide, Narragansett Bay RI-- 19
986. 1920 -- Nov 18, Motorboat fire, Lumbermen drownings, Chesuncook Lake, ME -- 16
987. 1920 -- Nov 24, Barge W. J. Pirrie, Hits Rocks, Sinks, off Coast of WA -- 20

988. 1921 -- Jan 20, Steamer Hewitt Lost, sailed from Sabine TX for Boston, MA -- 42
989. 1921 -- Jan 31, Schooner Carroll A. Deering, Grounds, Diamond Shoals, NC -- 11
990. 1921 -- Feb 26, USN Destroyer Woolsey hit by Steel Inventor, Sinks, Panama -- 16
991. 1921 -- Mar 21, Ocean-going Tug USS Conestoga leaves Mare Island, CA, Lost -- 56
992. 1921 -- Aug 06, Steamer Alaska Grounds off Blunts Reef, CA -- 42
993. 1921 -- Oct 24, Last com. with Oil Tanker Santa Rita, New Orleans to Italy, Lost -- 35
994. 1921 -- Oct 30, House of David Schooner Rosa Belle Founders, Storm, mid-Lake MI-- 11
995. 1921 -- Oct 30, Two Hilton Fishing Co. Boats Capsize, off Anglesea, NJ -- 11
996. 1921 -- Nov 21, Tug Sea Eagle hit by large wave in storm, Capsizes, ~Yaquina, OR-- 9-10

997. 1923 -- Feb 20, Alta Sails from San Pedro, CA for Bellingham, WA, Lost -- 15
998. 1923 -- Apr 6, Steamer John Dwight sinks, suspected rum runner, Vineyard Sound, MA--8-10
999. 1923 -- Sep 08, US Navy Ships (7) Run Aground, Fog, Honda Point, CA -- 23
1000. 1923 -- Dec 05, Steamer T.W. Lake Lost in Storm, near San Juan Islands, WA --13-14

1001. 1924 -- Mar 11, Ward Line Steamer Santiago Wrecks, off Hatteras, NC --25-35
1002. 1924 -- Mar 11/12, Maine Schooner Wyoming sinks in blizzard off Chatham, MA --13-18
1003. 1924 -- Jun 12, Battleship USS Mississippi Gun Turret Cordite Fire off San Pedro CA-- 48
1004. 1924 -- July 05, Ship Three Rivers Fire, Chesapeake Bay, Cove Point, MD -- 10
1005. 1924 -- Aug 26~, Three MA fishing schooners lost, probably in gale, Georges Bank -- 17
1006. 1924 -- Sep 22, Steamer Clifton Lost, Lake Huron, off Coast of MI -- 28

1961 I assume that the Fortune and Samuel Faunce events refer to same event and that one of the sources is wrong.
1007. 1924 -- Oct 20, USS Trenton Gun Turret Powder Bag Explosion, off Norfolk, VA -- 14
1008. 1924 -- Nov 15, Rum Runner tug William Maloney Founders, storm, Newport, RI -- 11-12

MARITIME Disasters – Master Set -- Deadliest American -- CHRONOLOGICAL (cont.)

1009. 1925 -- May 8, US Steamer M.E. Norman Capsizes/Sinks, MS Riv., Coahoma, MS -- 23
1010. 1925 -- June 28, Gloucester, MA fishing Sch. Rex sunk by Liner off 200M E of N.S.-- 15
1011. 1925 -- Aug 18, Steamer Mackinac Boiler Explosion, Narragansett Bay, RI -- 47-55
1012. 1925 -- Sep 25, Sub USS S-51 hit by City of Rome, Sinks, Block Island, RI -- 33

1013. 1926 -- Apr 08, Silvanns & Thomas H. Wheeler Collide, Pointe A La Hache, LA -- 35
1014. 1926 -- Apr 11, Tanker Gulf of Venezuela Explosion, Port Arthur, TX -- 26
1015. 1926 -- Nov 19, Oil tanker Mantilla explos., Bethlehem Steel drydock, Sparrows Point, MD 1962 -- 18
1016. 1926 -- Dec 20, Motor Launch Linseed King hits Ice, Sinks, Hudson River, NYC -- 35-58

1017. 1927 -- Jan 11, Storm, Collier John Tracy Sinks off Highland Light, Truro, MA -- 26-27
1018. 1927 -- Apr 08, Gloucester, MA fishing schooner Commonwealth burns, N.S. coast -- 12
1019. 1927 -- July 08, Boat with Miss. River Flood Evacuees Overturns, Port Barre, LA -- 11
1020. 1927 -- July 28, Passenger Vessel Favorite Sinks in Storm, Chicago, IL -- 27
1021. 1927 -- Aug 24~, Gloucester, MA Sch. Columbia Lost, Gale, off Sable Island, NS -- 23
1022. 1927 -- Oct 29, President Wilson Hits Gloucester Fisher Avalon, Fog, Cape Cod, MA 1962 -- 20
1023. 1927 -- Dec 17, Sub USS S-4 struck by USCG Paulding near Provincetown, MA -- 40

1024. 1928 -- May 07, US Army dredge Navesink hits Swinburne, sinks ~Stapleton, NY -- 17-18
1025. 1928 -- Aug 09, William A. McKenney, Storm/Drownings, Coast of CA -- 14

1026. 1929 -- Jan 13, Fishing Trawler Seiner Lost, Georges Bank, out of New London, CT -- 21
1027. 1929 -- Aug 29/30, Steamer San Juan hit by S.C.T. Dodd, sinks off Pigeon Pt. CA -- 71-78
1028. 1929 -- Sep 9/10, Andaste Sinks, Lakes MI Storm 14 miles west off Holland, MI -- 25
1029. 1929 -- Oct 22, Rail Car Carrier Milwaukee Sinks, Lake MI Storm ~Kenosha, WI -- 46-52
1030. 1929 -- Oct 29, Steamer S. S. Wisconsin Sinks off Kenosha, WI, Lake MI Storm -- 9-16

1031. 1930 -- Jan 28, Edgar F. Coney Sinks/Storm, Gulf of Mex. ~70m off Sabine Pass TX -- 14
1032. 1930 -- Apr 24, Long Island Sound Freighter Thames Burns, ~Captains Island, CT -- 16
1033. 1930 -- Jun 10, Fog/Collision/Fire, Fairfax/Oil Tanker Pinthis, off Scituate, MA 1964 -- 45-47
1034. 1930 -- Jul 29, Sandsucker George Whelan Capsizes/Sinks, Dunkirk, NY -- 15
1035. 1930 -- Sep 01, Seattle Sch. Orient Collides with Admiral Nelson, ~Vancouver Isl., BC -- 10
1036. 1930 -- Sep 16/17, SF CA Schooner South Coast Sinks, OR Coast, ~Cape Blanco -- 18-19
1037. 1930 -- Nov 8, Lumber Schooner Brooklyn Founders, Humboldt Bar, Eureka, CA -- 18

1038. 1932 -- Feb 04, Oil Tanker Bidwell Explosion., Marcus Hook, PA -- 18
1039. 1932 -- Feb 05, Boston Sch. Eleanor Nickerson hit/sinks off SE of Cape Sable, N.S. -- 21
1040. 1932 -- Sep 09, Explosion & Fire, Steam Screw Observation, East River, NY -- 72

1962 Cross-listed in Explosions.
1963 Cross-listed in Fog as Contributing Factor.
1964 Cross-listed in Fog as a Contributing Condition.
1041. 1932 -- Sep 27, Steamer *Nevada* hits rock off Aleutian Island Amatignak, AK -- 34

**MARITIME Disasters -- Master Set -- CHRONOLOGICAL** (continued):

1042. 1933 -- Jan 24, Storm, Diesel *Umnak Native* strands, Inanudak Bay, Umnak Isl., AK -- 11

1043. 1934 -- Jun 12, Tuna Clipper *Belle Isle* Sails from San Diego, CA, Lost at Sea -- 12

1044. 1934 -- Sep 08, S.S. *Morro-Castle* Ship Fire, off Coast of Sea Girt, NJ -- 126-137

1045. 1934 -- Nov 9, Schooner *John R. Manta* lost after sailing from Providence, RI -- 31

1046. 1935 -- Jan 25, Liner SS *Mohawk*/*Freighter Talisman* Collision, off NJ/NY -- 46

1047. 1936 -- Jan 12, Steamer SS *Iowa* Grounds/Sinks, Heavy Sea, Peacock Spit, WA -- 34

1048. 1936 -- Oct 17, *Sand Merchant* Capsizes, Lake Erie Storm, off Avon Point, OH -- 19

1049. 1937 -- Jan 26, Rescue Barge Capsizes during Ohio Flooding, Paducah, KY -- 14

1050. 1937 -- Jan 30, WPA Worker Barge Sinks, Birds Pt./New Madrid Spillway, MO -- 26-30


1052. 1939 – Salmon boat *Oduna* sinks off Noyes Island, AK -- 12

1053. 1939 -- May 23, Submarine *Squalus*, Sinks 16 miles off Portsmouth, NH -- 26-27

1054. 1940 -- Nov 11-12, *Anna Minch*, others lost, Armistice Day Storm, Lake MI -- 34

1055. 1941 -- Jan 08, Army’s *General Richard Arnold* Sinks off Isles of Shoals, NH -- 10

1056. 1941 -- Jan 24, Steamer *Cities Service Denver* Explosion/Fire, off NC/SC coast -- 19-20

1057. 1941 -- Jun 19, Outboard Motor Boat Capsizes, Children Drown, Lake Gardner, ME -- 12

1058. 1941 -- June 29, Cabin Cruiser *Don* Explodes and Burns off Bailey Island, ME -- 37

1059. 1941 -- Aug 18, Fire, Pier 27, spreads to Freighter *Panuco*, burns/sinks, Brooklyn NY -- 34-35

1060. 1941 -- Oct 17, USS *Kearny* Torpedoed by German Submarine, off Iceland 1966 -- 11

1061. 1941 -- Oct 31, USS *Reuben James* Sunk, German Submarine, near Iceland 1967 -- 115

1062. 1941 -- Dec 2, Navy boat capsizes (shore-leave sailors); Narragansett Bay ~Jamestown, RI -- 15


1965 At least one other death at sea -- from a fishing boat which foundered off Block Island, R.I.

1966 Cross-listed in Violence (Attack). This was before Pearl Harbor and U.S. declarations of war.

1967 Cross-listed in Violence (Attack) – Member of Neutrality Patrol, prior to Pearl Harbor, declarations of war.

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MARITIME/Riverine Events – Master Set – CHRONOLOGICAL (continued):

1072. 1943 -- Jan 12, USN Destroyer *Worden* hits rock/sinks, off Amchitka Island, AK -- 14
1073. 1943 -- Feb 20, USN Minesweeper *YMS-133* Capsizes, off Coos Bay, OR -- 18
1074. 1943 -- Apr 19, Cabin Cruiser *Legionnaire* Sinks, South Bay, off Long Island, NY -- 10
1075. 1943 -- Jun 01, MM *John Morgan* & Tanker *Montana* Collide, Cape Henry, VA -- 86
1076. 1943 -- Jun 12, U.S. Navy Submarine *R-12* Sinks Accidentally, Lower FL Keys -- 42
1077. 1943 -- Oct 21, Collision, Tankers *GulfBelle* & *GulfLand*, near Lake Worth Inlet, FL-- 88
1078. 1943 -- Nov 21, Tanker *Altair* hit by *Bostonian*, Fog, off Cape Henlopen, DE1968 -- 20
1079. 1943 -- Nov 24/25, *John P. Gaines* breaks-up, storm, 40M S of Cherikoff Isl, AK --10-11

1080. 1944 -- Jan 03, USS *Turner*, Ammunition Explosions, Sinks, NY Harbor, NY -- 138
1081. 1944 -- Jan 06, USS *St. Augustine* & *Camas Meadows* Collide off Cape May, NJ -- 115
1082. 1944 -- Mar 16, Assault Boat Training Drownings, Lakewood, ~Camp Robinson, AR-- 11
1085. 1944 -- May 14-21, Heavy seas, sleeping Marines in LCT pitched overboard off LST-483, HI-19
1086. 1944 -- July 17, Munitions Ships Explode while loading, Port Chicago, CA1971 --320-325
1087. 1944 -- Sep 12, USN Minesweeper *YMS 409* Sinks, Hurricane, off Cape Hatteras NC1972 --32-33
1088. 1944 -- Sep 13, USS *Warrington* Sinks, Hurricane, off coast of FL1973 --247-248
1089. 1944 -- Sep 14, USCG Cutter *Bedloe* Sinks Hurricane, off Hatteras, NC1974 -- 26
1090. 1944 -- Sep 14, USCG Cutter *Jackson* Sinks Hurricane, off Hatteras, NC1975 --21-22
1091. 1944 -- Sep 15, USCG Lightship *LS-73* Sinks, Hurricane, off coast of MA -- 12
1092. 1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire, Berth 223, LA Harbor, CA1976-- 16
1093. 1944 -- Apr 19, U.S. Liberty Ship *John Straub* Explodes/Sinks off Sanak Island, AK-- 55
1094. 1944 -- Dec 18, Navy Task Force 38, Typhoon, 3 ships capsize off Philippines -- ~790

1095. 1945 -- Jan 02, Sun Oil Tanker *Sunoco* Fire/Explosion, off Sandy Hook, NJ -- 10
1096. 1945 -- Jan 21, USN Plane Bombs Explode USS *Hancock* landing, South China Sea-- 62
1097. 1945 -- Feb 5, Tanker *Spring Hill* hit/explos./fire, off Stapleton, Staten Island, NY --19-20
1098. 1945 -- May 5, Civilian US Steamer *Black Point* Torpedoed, off Point Judith, RI1977-- 12

1099. 1946 -- Feb 04, AK Steamship *Yukon* hits rocks off Johnstone Bay, SE of Seward, AK--11

1100. 1947 -- Jan 09, Boston Fishing Trawler *Belle* Goes Missing off Northeast Coast -- 17
1101. 1947 -- Mar 12, Tanker *Fort Dearborn*, San Fran. to Shanghai, breaks up, gale, Pacific- 12

1968 Cross-listed in Fog as Contributing Factor.
1969 Cross-listed in Fog as Contributing Factor.
1970 Cross-listed in Explosions.
1971 Cross-listed in Explosions.
1972 Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”
1973 Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”
1974 Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”
1975 Cross-listed in Hurricane. Fatalities are part of the 390-412 attributed to the “Great Atlantic Hurricane of 1944.”
1976 Cross-listed in Explosions.
1977 Cross-listed in Violence-Attack
1102. 1947 -- Apr 16-17, Ammonium Nitrate Explos., Grandcamp, Texas City, TX\textsuperscript{1978}-581-600
1103. 1947 -- June 22, Tankship Markay Petrol. Prod. Loading Vapor Explos., LA CA\textsuperscript{1979}-10-12
1104. 1947 -- Sep 9, Fuel Tanks Explode, Fire, Island Queen Steamboat, Pittsburgh, PA -- 19
1105. 1947 -- Nov 24, storm, Army transport Clarksdale Victory grounds, Hippa Isl., BC\textsuperscript{1980}-49

MARITIME Disasters -- Master Set -- Deadliest American -- CHRONOLOGICAL (Cont.)

1106. 1948 -- May 31, USN Carrier Kearsarge Launch Swamped, Hampton Roads, VA --30-32
1108. 1950 -- Dec 18, Tug Sachem Sinks, Lake Erie, off Dunkirk, NY -- 12

1109. 1951 -- Jan 15, Boston, MA fishing trawler Gudrun lost off Newfoundland -- 17
1110. 1951 -- Apr 20, Esso Greensboro & Esso Suez Collide in Fog, Gulf of Mexico\textsuperscript{1982} -- 39
1111. 1951 -- May 14, Collis./Fire USS Valcour & Thomas Tracy off Cape Henry VA -- 36
1112. 1951 -- Sep 01, Deep-Sea Fishing Boat Capsizes off Montauk Pt., Long Island, NY-37-45

1113. 1952 -- Jan 09, SS Pennsylvania Founders 665 miles off Cape Flattery, WA -- 46
1114. 1953 -- May 11 Henry Steinbrenner Sinks, Storm, Lake Sup. Near Isle Royale, MI -- 17
1115. 1953 -- Sep 02, Military Pontoon Raft Capsizes in lake, Fort Bragg, NC -- 20
1116. 1953 -- Oct 16, Carrier USS Leyte explos./fire, S. Boston Naval Yard, Boston, MA --37-39

1117. 1954 -- May 26, Explosions/Fire, U.S. Carrier Bennington, off Quonset Point, RI -- 103
1118. 1954 -- Aug 31, Fisher Restart breaks-up during Carol, out of New Bedford, MA -- 11
1119. 1954 -- Oct 07, SS Mormackite Founders, off the Virginia Capes, VA -- 37
1120. 1954 -- Dec 05~, M/V Southern Districts Disappears off East Coast -- 23

1122. 1955 -- Aug 12, Schooner Levin J. Marvel founders Chesapeake Bay ~Fairhaven MD-- 14

1123. 1956 -- Jan 17, Gasoline explos./fire, SS Salem Maritime, terminal, Rose Bluff, LA\textsuperscript{1983}--21
1124. 1956 -- July 25, Andrea Doria and Stockholm collide, Fog off Nantucket Isl., MA\textsuperscript{1984}-- 51

1125. 1957 -- Jan 29, Tanker SS Jeanny Vapor Explosion, Shipyard, Alameda, CA\textsuperscript{1985} -- 10
1126. 1957 - Mar 6, Navy Tanker Mission San Francisco & Elna II collis./explo., Del Ri., DE\textsuperscript{1986}-10

\textsuperscript{1978} Cross-listed in Explosions and in Fire.
\textsuperscript{1979} Cross-listed under Explosions.
\textsuperscript{1980} Part of Canadian Graham Island group just south of southern point of Alaska’s Alexander Archipelago.
\textsuperscript{1981} Cross-listed in Fog as a Contributing Condition.
\textsuperscript{1982} Cross-listed in Fog as a Contributing Factor.
\textsuperscript{1983} Cross-listed in Explosions and in Hazardous Materials Transportation.
\textsuperscript{1984} Cross-listed in Fog as a Contributing Factor. The Andrea Doria was an Italian liner and the Stockholm was Swedish. Noted herein because the collision occurred in U.S. waters. 46 passengers died on the Andrea Doria and 5 sleeping crewmen died on the Stockholm.
\textsuperscript{1985} Cross-listed under Explosions
\textsuperscript{1986} Cross-listed in Hazardous Materials Transportation.
1130. 1959 -- Nov 27, MV National Pride Capsizes, off Coast of TX, near Galveston -- 11
1131. 1960 – July 19, USN destroyers Ammen & Collett Collide, Fog ~Newport Beach, CA^{1988} 11
1132. 1960 -- Oct 22, Alcoa Corsair Collision, Mouth of Mississippi River, LA -- 10
1134. 1961 -- Nov 07, M/V Union Reliance & M/V Berean Collide, near Houston, TX -- 12
1135. 1962 -- Aug 18, Overloaded Sunday School boat capsizes, Lake Talquin ~Quincy, FL-- 18
1136. 1962 -- Oct 20, Collision/Fire, Boheme & Barge Parker, Miss. River ~Lutcher, LA -- 20
1137. 1962 -- Nov 15~, New Bedford, MA scalloper Midnight Sun lost, Georges Bank -- 11
1138. 1963 -- Feb 04, SS Marine Sulphur Queen Lost off coast of FL -- 39
1139. 1963 -- Apr 10, USS Thresher Submarine Sinks, Implosion -- 129
1140. 1964 -- Jun 30, Drilling Barge C.P. Baker, Explosion/Fire, Gulf of Mexico -- 22
1141. 1965 -- May 07, Ships Collide, Fog, Cedarville Sinks, Mackinac Straits, MI^{1989} -- 10
1142. 1965 -- Nov 13, SS Yarmouth Castle Fire/Capsize/Sinks, Miami to Nassau, Bahamas-- 90
1143. 1966 -- Jun 16 (& 28), Collision/Explosions/Fire, Texaco Mass./Alva Cape, off NY, NY^{1990}-- 37
1144. 1966 -- Nov 29, Daniel J. Morrell (Cleveland OH) Breaks-up/Sinks, Lake Huron Stm-- 28
1145. 1967 -- July 29, USS Forrestal, Rocket Explosion and Fire, Gulf of Tonkin ops. -- 134
1146. 1967 -- Oct 09, SS Panoceanic Faith (homeport NY) Founders, North Pacific --36-37
1147. 1968 -- Mar 16, Collision, SS African Star & barge Intercity No. 11, MS River, LA-- 21
1148. 1968 -- Dec 07, USCG White Alder & Helena, Collis., Head of Passes, MS Riv. LA-- 17
1149. 1969 -- Jan 14, Explosions and Fire on USS Enterprise, off Pearl Harbor, Hawaii -- 28
1150. 1969 -- Apr 6, Union Faith & Warren J. Doucet Collide, MS Riv., New Orleans LA-- 25
1151. 1969 -- May ~31, CA-based Racing Yacht Goodwill Wrecks on Reef off Baja, CA -- 9-13
1152. 1969 -- June 3, USS Frank E. Evans/Carrier Melbourne Collision, S. China Sea -- 73
1153. 1969 -- Dec 26, USN Charter SS Badger State Explo./raft hit by falling bomb, N. Pacific-- 26

^{1987} Cross listed in Fog as Contributing Factor
^{1988} Cross-listed in Fog as Contributing Factor.
^{1989} Cross-listed in Fog as contributing condition.
^{1990} 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.
1154. 1971 -- Mar 27, SS Texaco Oklahoma Breaks-up, Sinks, off Cape Hatteras, NC -- 36
1155. 1972 -- Feb 1, Tanker V.A. Fogg, gas explosion (lightning), off Galveston, TX1991 -- 39
1156. 1972 -- Aug 16, Small boast lost, Wind Storm off Northern CA and Southern OR -- 13
1158. 1973 -- May 19, Fishing Boat Comet Founders off Point Judith, RI -- 16
1159. 1973 -- Jun 02, Sea Witch/Esso Brussels Collision/Explosion, NY Harbor, NY -- 16
1160. 1974 -- Jan 18, SS Baune and Tanker Keytrader Collide, Lower Miss. River, LA -- 16
1161. 1974 -- Apr 09, Tanker S.S. Elias, Explosions, Delaware River, Fort Mifflin, PA -- 13
1162. 1975 -- Jan 31, Edgar M. Queeny & Corinthis Collide, Marcus Hook, PA -- 29
1164. 1975 -- Nov 10, SS Edmund Fitzgerald Sinks, Storm, Whitefish Bay, MI -- 29
1165. 1976 -- Apr 15, Oil Platform Ocean Express Capsizes, Storm, Gulf of Mex., off TX-- 13
1166. 1976 -- Oct 20, Tanker Frosta hits Ferry George Prince, Lower Miss. River, LA -- 77
1167. 1978 -- June 17, Tornado, Showboat Whippoorwill capsized, Pomona Lake, KS1994 -- 16
1168. 1978 -- Oct 20, USCGC Cuyahoga & Santa Cruz II Collide, near Smith Point, VA -- 11
1169. 1978 -- Dec 9-10, Holo-Holo Departs Honolulu, Lost off HI -- 10
1170. 1979 -- Aug 30, Inca Tupac Yupanqui hits barge, explos./fire, MS Riv., Good Hope, LA--12
1171. 1979 -- Nov 1, tanker Burmah Agate collides with freighter Mimosas, Galveston, TX--32
1172. 1980 -- Jan 28, collision, tanker Capricorn & USCGC Blackthorn (sinks), Tampa Bay, FL-23
1173. 1980 -- May 9, Summit Venture hits Sunshine Skyway Bridge, Collapse, Tampa FL1995--35
1175. 1981 -- May 26, USN EA-68 Prowler Crash, USS Nimitz, off Jacksonville, FL1996 -- 14
1176. 1982 -- Feb 15, Storm, Ocean Ranger oil rig sinks, Grand Banks, Canada1997 --84 (15 US)
1177. 1983 -- Feb 12, gale, collier Marine Electric (34 crew) capsizes/sinks off Chincoteague, VA31
1178. 1983 -- Feb 14, Crab boats Altair & Americus capsize, Altair sinks, Bering Sea ~AK-- 14
1179. 1984 -- July 7, Microburst, Sternwheel SCltanic capsizes, TN Riv., Ditto Landing, AL-- 11
1180. 1987 -- Feb 5, Fishing vessel Fish-n-Fool (LA, CA) capsizes ~Isla De San Martin, MX-10
1181. 1987 -- May 17, USS Stark hit by Iraqi Air Force Mirage missiles, Persian Gulf1998 -- 37
1182. 1988 -- July 3, USS Vincennes missile cruiser shoots down Iran Air 655, Persian Gulf1999-290

1991 Cross-listed in Lightning and Explosions.
1992 Cross-listed in Road/Highway and in Structural Collapse/Bridge.
1993 Cross-listed in Violence (Attack)
1994 Cross-listed in Tornadoes.
1995 Cross-listed in Structural Failure, Bridge Collapse and in Road/Highway.
1996 Cross-listed in Aviation.
1997 Sixty-eight Canadians, one Englishman, and fifteen Americans
| Year | Event Description                                                                 | Location                  | Casualties
|------|----------------------------------------------------------------------------------|---------------------------|------------
| 1989 | USS Iowa No. 2 Turret Explosion, Near Puerto Rico                                | ---                       | 47         
| 1989 | Avco 5 Liftboat Capsizes, Hurricane Chantal, off Morgan City, LA                 | ---                       | 13         
| 1989 | F/V Northumberland ruptures NG pipeline/explosion/fire ~Sabine Pass, TX          | ---                       | 11         

**MARITIME/Riverine Events – Master Set -- CHRONOLOGICAL (continued):**

| Year | Event Description                                                                 | Location                  | Casualties
|------|----------------------------------------------------------------------------------|---------------------------|------------
| 1991 | Perfect Storm Nor’easter, East Coast, Andrea Gail Lost                            | ---                       | 6          
| 1993 | Fog, Barge hits bridge, Amtrak train derails into water/fire, ~Mobile AL         | ---                       | 47         
| 1999 | Miss Majestic DUKW tour boat sinks off St. John’s Isl., Lake Hamilton, AR      | ---                       | 13         

| Year | Event Description                                                                 | Location                  | Casualties
|------|----------------------------------------------------------------------------------|---------------------------|------------
| 2001 | April 1-2, 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          
| 2002 | May 26, Barge hits Bridge, Span Collapse, Webbers Falls, OK                      | ---                       | 14         
| 2003 | June 14, Taki-Tooo fishing charter capsizes crossing bar, Tillamook Bay Inlet, OR | ---                       | 11         
| 2003 | Oct 15, Ferry Andrew J. Barberi hits pier, St George Terminal, Staten Isl. NY  | ---                       | 11         
| 2005 | Oct 02, Ethan Allen tour boat capsizes, Lake George, near Cramer Point, NY      | ---                       | 20         
| 2010 | Apr 20, Drill Rig Deepwater Horizon Explosion, Gulf of Mex., ~50m, LA           | ---                       | 11         
| 2015 | Oct 1, U.S. cargo ship El Faro sinks / Hurricane Joaquin, off east Bahamas     | ---                       | 33         
| 2017 | Aug 21, USS John S. McCain collision/merchant ship Alnic MC ~Singapore          | ---                       | 10         
| 2018 | July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO            | ---                       | 17         
| 2019 | Sep 2, diving boat Conception fire, near north side of Santa Cruz Island, CA   | ---                       | 34         

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1999 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 the target was a military one representing a threat. Indeed retrieved onboard screen shots demonstrated that the 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 in that it was a U.S. Navy vessel that caused the disaster.

2000 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.

2001 Cross-listed in Fog as a contributing factor and in Rail.

2002 Cross-listed under Bridge Failures.

2003 Cross-listed in Explosions.

2004 Cross-listed in Hurricanes. There were twenty-eight U.S. nationals and five Polish nationals.
MARITIME Disasters -- Boiler Flue Collapse Subset -- By FATALITY

1. 1838 -- Apr 21, Steamer *Oronoko* Flue Collapse/Explos., MS River, Princeton, MS--100-130
2. 1886 -- Oct 05, Flue Collapse/Fire, Steamer *La Mascotte*, Neely’s Landing, MO -- 34
4. 1846 -- May 24, Steamer *Queen City* Boiler Flue Collapse/Explos., Natchez, MS >10-26
5. 1840 -- Nov 1, 7, 9 or 10, Flue Collapse, Steamer *Persian*, MS Ri., ~Napoleon AR --23-24
7. 1843 -- Mar 17, Steamboat *Cutter* Flue Collapse, Pittsburgh, PA -- 15
8. 1850 -- May 07, Flue Collapse, Steamboat *Columbus*, Mississippi River, Island 4 -- 15
9. 1849 -- Jun 09, Flue collapse, Steamboat *Embassy*, Ohio River, Three Mile Bar, KY --10-14
10. 1850-- May 23, Flue Collapse, Steamboat *St. Louis*, Jefferson Barracks, MO --10-12
11. 1852 -- Feb 16, Flues Collapse, *May Queen*, AR Riv., 45m below Little Rock, AR -- 12

Other:
1853 -- July 1, Flues Collapse, Steamboat *New World*, New York, NY2006 -- 8

MARITMIME Disasters -- Boiler Flue Collapse Subset --Deadliest Amer. -- Chronological

1. 1838 -- Apr 21, Steamer *Oronoko* Flue Collapse/Explos., Miss. River, Princeton, MS- 50-130
2. 1840 -- Nov 1, 7, 9 or 10, Flue Collapse, Steamer *Persian*, MS Ri., ~Napoleon AR --23-24
3. 1843 -- Mar 17, Steamboat *Cutter* Flue Collapse, Pittsburgh, PA -- 15
4. 1846 -- May 24, Steamer *Queen City* Boiler Flue Collapse/Explos., Natchez, MS >10-26
5. 1849 -- Jun 09, Flue collapse, Steamboat *Embassy*, Ohio River, Three Mile Bar, KY --10-14
6. 1850 -- May 07, Flue Collapse, Steamboat *Columbus*, Mississippi River, Island 4 -- 15
7. 1850-- May 23, Flue Collapse, Steamboat *St. Louis*, Jefferson Barracks, MO --10-12
10. 1853 -- July 1, Flues Collapse, Steamboat *New World*, New York, NY2007 -- 8
11. 1886 -- Oct 05, Flue Collapse/Fire, Steamer *La Mascotte*, Neely’s Landing, MO -- 34

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2005 Flues are inside of boilers, and when one or more collapse, hot scalding steam is released. A boiler does not need to explode for this to take place, thus the separation of flue collapse and boiler explosions.

2006 Included in that this was the first steamboat “accident” to be investigated by the New York Inspectors pursuant to the law of 1852.

2007 Included in that this was the first steamboat “accident” to be investigated by the New York Inspectors pursuant to the law of 1852.
1. 1854 -- Sep 27, US Mail *Arctic & Vesta* Collide in Fog, Cape Race, Newfoundland -- 318-562
2. 1837 -- Oct 31, *Monmouth & Tremont* Collide, MS Riv, Prophet Island Bend, LA -- 234-400
3. 1860 -- Sep 8, Steamer *Lady Elgin* Collision, Sinks, Lake Mich. off Winnetka, IL -- 270-400
4. 1852 -- Aug 20, Fog, Collision, *Atlantic* Burns/Sinks, Lake Erie ~Long Point Ont.--100~300
5. 1875 -- Nov 04, Steamship *Pacific* sinks collis. with *Orpheus*, off N. WA Coast -- 200-300
6. 1856 -- Nov 2, Schooner *Le Lyonnais* Collision, Nantucket Island, MA -- 120-260
7. 1865 -- Nov 24, *Niagara* Sinks, Collis. with *Post Boy*, MS River ~Prairie Point AR -- 75-150
9. 1912 -- Apr 14, RMS *Titanic* Hits Iceberg/Sinks (1,517 total fatalities\(^{2008}\)) -- 119
10. 1944 -- Jan 6, USS *St. Augustine & Camas Meadows* Collide off Cape May, NJ -- 115
11. 1847 -- Nov 19, *Talisman* collides *Tempest*, sinks, MS Ri., Cape Girardeau, MO -- 40-100
12. 1868 -- Dec 4, Steamers *United States & America* collide, OH Riv. ~Warsaw, KY -- 59-100
13. 1943 -- Oct 21, Collision, Tankers *GulfBelle & GulfLand* off Lake Worth Inlet FL -- 88
14. 1907 -- July 21, Collision, Steamer *Columbia & San Pedro*, off Shelter Cove, CA -- 80-86
15. 1943 -- June 1, Collision, MM *John Morgan*, Tanker *Montana*, Cape Henry VA -- 86
16. 1844 -- March 1, Collision, *Buckeye/De Soto* MS River, near Atchafalaya, LA -- 50-80
17. 1976 -- Oct 20, Tanker *Frosta* hits Ferry *George Prince*, Lower Miss. River, LA -- 77
18. 1862 -- Aug 13, USS *George Peabody & West Point Collide*, Potomac River, VA -- 70-76
19. 1929 -- Aug 29/30, Steamer *San Juan* Collides with *S.C.T. Dodd*, ~Pigeon Point, CA -- 71-78
22. 1901 -- Aug 14, Steamer *Islander* hits Iceberg, off Douglas Island, near Juneau, AK -- 42-70
23. 1918 -- May 1, Steamship *City of Athens* Sinks in Collision off Delaware Coast -- 67
24. 1926 -- Dec 20, Motor Launch *Linseed King* hits Ice, Sinks, Hudson River, NYC -- 35-58
25. 1956 -- July 25, *Andrea Doria* hit (Stockholm), Fog off Nantucket Island, Sinks -- 58
27. 1868 -- Jun 20, Steamer *Morning Star / Cortland* Collide, Lake Erie, ~Avon Pt., OH -- 25-60
28. 1846 -- Nov 21, Steamers Collide, Maria Sinks, Miss. River, near Natchez, MS -- 30-50
30. 1880 -- Jun 11, Steamer *Narragansett* Hit/Burns/Sinks, Fog, off Saybrook CT\(^{2009}\) -- 27-50
32. 1993 -- Sep 22, Fog, Barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL\(^{2011}\) -- 47
33. 1935 -- Jan 25, Collision, Liner SS *Mohawk/Freighter Talisman*, off NJ/NY -- 46
34. 1942 -- Jan 24, USS S-26 Accidentally rammed/sunk by PC-460, Gulf of Panama -- 46
35. 1902 -- Jan 2, Steamer *Walla Walla* hit by bark *Max*, 9m off Cape Mendocino, CA -- 36-43
36. 1906 -- Nov 18, Steamers *Walla & Jeannie* collide, *Dix* sinks, Puget Sound, WA -- 42-45
37. 1864 -- Jun 3, Steamer *Pocahontas* sinks, *City of Bath*, collision, off Cape May, NJ -- 40-41
38. 1914 -- Jan 30, Steamers *Monroe & Nantucket* Collide, fog off Hog Island, VA\(^{2012}\) -- 41
39. 1927 -- Dec 17, Sub *USS S-4* hit by CG Cutter *Paulding*, off Provincetown, MA -- 40

\(^{2008}\) Of the 1,517 fatalities, 119 were U.S. citizens. The Titanic was headed for New York. (J.R. Henderson)

\(^{2009}\) Cross-listed in Fog as a Contributing Condition.

\(^{2010}\) Cross-listed in Fog as a Contributing Condition.

\(^{2011}\) Cross-listed in Fog as a contributing factor and in Rail.

\(^{2012}\) Cross-listed in Fog as a Contributing Condition.
40. 1851 -- Nov 27, *Archer* collision/sinks, Upper MS, Enterprise Island near Grafton IL – 28-39
41. 1951 -- Apr 20, *Esso Greensboro* & *Esso Suez* Collide in Fog, Gulf of Mexico\(^\text{2013}\) -- 39
42. 1966 -- Jun 16 (& 28), Collision/Explosions/Fire, *Texaco Mass./Alva Cape*, off NY, NY\(^\text{2014}\) -- 37
43. 1844 -- Dec 14, Collision, *Belle of Clarksville/Louisiana*, MS River, ~Memphis, TN -- 31-36
44. 1851 -- May 14, Collis./Fire *USS Valcour* & *Thomas Tracy* off Cape Henry VA -- 36
45. 1926 -- Apr 08, Collision, *Silvanns/Thomas H. Wheeler*, Pointe A La Hache, LA -- 35
46. 1845 -- Oct 27, Steamer *Plymouth* collision with *Lady Madison*, ~Shawneetown, IL -- 20-30
47. 1888 -- Aug 22, Fog, Steamers *Oceanic* & *City of Chester* Collide, San Francisco -- 10-34
48. 1925 -- Sep 25, Sub *USS S-51* hit by *City of Rome*, sinks off Block Island, RI -- 33
49. 1918 -- Oct 03, *Lake City* & *James McGee* Collide, American Shoal Light, FL -- 29
50. 1879 -- Oct 24, Steamboat *Missouri Belle* Sinks, Collision (*Boonslick*), ~Kenner & N.O., LA -- 30
51. 1842 -- Feb 09, *Autocrat/Magnolia* Collide ~Butler’s Plantation, Iberville Parish LA -- 10-34
52. 1834 -- Oct 24, *Missouri Belle* Sinks, Collision (*Boonslick*), ~Kenner & N.O., LA -- 30
53. 1846 -- Feb 13/14, Steamers *Congress* & *Saladin* Collide, MS Riv. KY Bend, KY -- 15-30
54. 1851 -- Steamship *Autocrat* Collision, near Natchez, MS -- 30
55. 1890 -- Nov 05, 8, Schs. *Lillie Amoit* & *John D. Miner* collide, Menominee Hbr., MI -- 25
56. 1918 -- Oct 03, *Lake City* & *James McGee* Collide, American Shoal Light, FL -- 30
57. 1920 -- Aug 20, *Superior City* Hit/Sinks, Lake Superior, Whitefish Bay, WI -- 29
58. 1975 -- Jan 31, Collision, SS *Edgar M. Queeny/Corinthos*, Marcus Hook, PA -- 29
59. 1890 -- Nov 05, 8, Schs. *Lillie Amoit* & *John D. Miner* collide, Menominee Hbr., MI -- 25
60. 1918 -- Oct 4/5, Collier *USS Herman Frasch* Collision (*USS Henry*) ~Cape Sable NS -- 17-25
63. 1890 -- Nov 08, Steamer *Champion* Collision with Brit. Bark, Cape Henlopen DE -- 31-32
64. 1849 -- May 18, Collision, *Empire/Schooner Noah Brawn*, Newburgh Bay, NY -- 24
65. 1878 -- Dec 01, Steamship *Dunmore* & *Saladin* Collide, MS Riv., ~Bringier Point, LA -- 12-20
67. 1890 -- Nov 08, Steamer *Champion* Collision with Brit. Bark, Cape Henlopen DE -- 31-32
68. 1852 -- Apr 26, Steamers Collide, *Chickasaw/W.B. Clifton*, French Is., Evansville, IN -- 20
69. 1837 -- Mar 17, Steamboat *Tiskilwa* hit by the *Wisconsin*, near mouth Ill. River, IL -- 10-20
70. 1851 -- Mar 24, Boats Collide, *Lowell Sinks*, OH Riv., Captina Isl., ~Wheeling, WV -- 15-20
71. 1852 -- Apr 26, Steamers Collide, *Chickasaw/W.B. Clifton*, French Is., Evansville, IN -- 20
72. 1852 -- July 12, *City of Oswego* sinks, collis. *America*, L. Erie ~Willoughby, OH -- 15-20
73. 1865 -- June 8, Steamer *Admiral Dupont* hit/sunk, British *Staunton*, S. NJ Coast -- 15-20
74. 1878 -- Dec 01, *Cotton Valley/Charles Morgan* Collide, MS Riv., ~Bringer Point, LA-12-20

\(^{2013}\) Cross-listed in Fog as a Contributing Factor.
\(^{2014}\) 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.
\(^{2015}\) Cross listed in Fog as a Contributing Factor.
\(^{2016}\) Cross-listed in Fog as a Contributing Condition.
76. 1941 -- Jan 21, Mary E. O'Hara & barge collide, entrance to Boston Harbor, MA --18-20
77. 1943 -- Nov 21, Tanker Altair hit by Bostonian, Fog, off Cape Henlopen, DE2018 -- 20
78. 1945 -- Feb 05, Tanker Spring Hill hit/explosion/fire, off Stapleton, Staten Island, NY--19-20
79. 1962 -- Oct 20, Collision/Fire, Boheme & Barge Parker, Miss. River ~Lutcher, LA -- 20

**Maritime Disasters -- COLLISIONS Subset – Deadliest American – By Mortality (Con’t)**

80. 1910 -- May 23, fog, Frank H. Goodyear hit by Wood, sinks, Lake Huron ~Pt. Aux Barques MI--17-19
81. 1917 -- Dec 17, USN Sub F-1 Collides with F-3, Sinks off Coast of San Diego CA -- 19
82. 1920 -- Oct 29, Ship Collision, Schooner Cape Fear, Narragansett Bay, RI -- 19
83. 1835 -- Dec 02, Lady Franklin Sinks, hit by Portsmouth, OH Riv. ~Owensboro KY --15-18
84. 1857 -- Nov 12 or 15, Opelousas & Galveston Collide, Gulf of MX off LA Coast -- 18
85. 1908 -- May 26, Boston Sch. Fame/UK Steamer Boston Collide, fog, Cashes Bank 2019-- 18
86. 1917 -- Jun 30, Christopher Columbus Collision/Water-tank Falls, Milwauk. Riv. WI --15-18
87. 1928 -- May 07, US Army Dredge Navesink hit/sunk by Svinburne, off Stapleton NY--17-18
89. 1864 -- July 03, Steamer Locust Point Collides with Matanzas off Absecon, NJ -- 17
90. 1880 -- July 22, Stm. Mamie Bisected by Garland, Detroit Riv., ~Grosse Isle, MI --16-17
91. 1941 -- Dec 10, Oregon Collision with USN Boat, Sinks off Nantucket, MA -- 17
92. 1968 -- Dec 7, Collision, USCG White Alder & Helena, Head of Passes, MS Riv., LA -- 17
93. 1913 -- Jan 03, Fog, Julia Luckenbach Collision/Sinks, ~Tangier Island, VA 2021 -- 16
94. 1921 -- Feb 26, U.S. Destroyer Woolsey hit by Steel Inventor, Sinks, off Panama -- 16
95. 1942 -- Feb 22, Towboat G. W. McBride hits bridge pier, sinks, Ohio R., Cincinnati, OH-- 16
96. 1973 -- Jun 02, Collision/Explosion, Sea Witch/Esso Brussels, NY Harbor, NY -- 16
97. 1974 -- Nov 17, SS Baume and Tanker Keytrader Collide, Lower Mississippi River LA -- 16
98. 1847 -- June 09, Collision, Chesapeake and Porter, Lake Erie, Conneaut, OH --10-15
99. 1857 -- Feb 21, Steamer Humbolt sunk by Belfast, chute of Island No. 75, Miss. River-- 15
100. 1857 -- Aug 15, Steamers Collide, J.N. Harris Sinks, L.I. Sound, ~Falkland Isl. CT --13-15
101. 1903 -- May 5, Fog, Steamer Saginaw sinks, liner Hamilton collis, ~Hog Island, VA 2022--15
102. 1909 -- July 12, Fog, SS John B. Cowle hit by Scott/sinks, Lake Superior off Whitefish Pt., MI2014-- 14
103. 1925 -- June 28, Gloucester, MA fishing Sch. Rex sunk by Liner off 200M E of N.S.-- 14
104. 1889 -- Mar 26--~, Gloucester Fishing Sch. Shiloh reported run down off Cape Cod -- 14
105. 1895 -- Mar 08, Steamer Longfellow hits C&O Bridge Pier, Sinks, Cincinnati, OH --11-14
106. 1831 -- May 14, Steamboat Coosa sinks, collision with Huntress, Caruthersville, MO-- 13
107. 1877 -- Jan 7, Steamer Montgomery hit by Seminole, sinks, 38m NE of Cape May, NJ-- 13
108. 1918 -- Mar 19, Tug W.A. Bisso, Sinks in Collision near New Orleans -- 13
110. 1862 -- Aug 09, Illinois Hits Oriole, Fog, Lake Superior, off Munising, MI 2024 -- 12
111. 1865 -- Jun 3, Steamers Poland and Idaho Collide, Poland Sinks, Yazoo River, MS --10-12

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2017 Cross-listed in Fog as a Contributing Factor.
2018 Cross-listed in Fog as Contributing Factor.
2019 Cross listed in Fog as Contributing Factor.
2020 Cross listed in Fog as a Contributing Factor.
2021 Cross-listed in Fog as a Contributing Factor.
2022 Cross-listed in Fog as a Contributing Factor.
2023 Cross-listed in Fog as a Contributing factor.
2024 Cross-listed in Fog as a Contributing Factor.
112. 1876 -- ~May, Gloucester, MA Fishing Sch. Saratoga hit/sunk, Georges Bank -- 9-12
113. 1889 -- Nov 20, Steamer Manhattan sinks, collision, Sch. Agnes Manning, off DE --10-12
114. 1914 -- Aug 26, Admiral Sampson Collision, Fog, Puget Sound, Point No Point, WA 9-12
115. 1944 -- Apr 27, Ashcroft Rams James H. Reed, Lake Erie Fog, OH 12
116. 1961 -- Nov 07, Collision, M/V Union Reliance, M/V Berean, Houston Channel, TX -- 12
117. 1979 -- Aug 30, Inca Tupac Yupanqui hits barge, explos./fire, MS Riv., Good Hope, LA -- 12

MARITIME Disasters -- COLLISIONS Subset – By MORTALITY (continued)

118. 1866 -- Apr 18, City of Norwich/Gen. Van Vliet collide, Huntington Harbor NY -- 11
119. 1875 -- Aug 26, Ships Collide, Comet & Manitoba, 7M SE Whitefish Point, WI -- 11
120. 1875 -- Dec 01, Steamer Sunnyside hits Ice/Sinks, Hudson, off West Park, NY -- 11
121. 1902 -- Dec 17, Schooners Louise B. Crary/Frank A. Palmer Collide, Gloucester MA -- 11
122. 1907 -- June 11, Battleship Minnesota Launch Run-Down Hampton Roads, VA -- 11
123. 1909 -- June 06, Ship Hits Wharf, Collapses, Mandeville, Lake Pontchartrain LA -- 11
124. 1960 -- July 19, USN destroyers Ammen & Collett Collide, Fog ~Newport Beach, CA 11
125. 1978 -- Oct 20, Collis. USCG Cutter Cuyahoga/MV Santa Cruz II, ~Smith Point VA -- 11
126. 2003 -- Oct 15, Ferry Andrew J. Barberi hits pier, St George Terminal, Staten Isl. NY -- 11

127. 1845 -- Aug 12, Collision, Steamers London & Kent (Sinks), L. Erie, Pt. Pelee, Ont. -- 10
128. 1847 -- Jun 09, Chesapeake/Porter Collide, Lake Erie, Conneaut, OH -- <10
129. 1868 -- Sep 16, Persian Sunk by E.B. Allen, Lake Huron 3m off 40-Mile Point, MI -- 10
130. 1875 -- July 6, Steamer Isaac Bell & tug Lumberman Collide, Hampton Roads, VA -- 10
131. 1930 -- Sep 01, Seattle Sch. Orient Collides with Admiral Nelson, ~Vancouver Isl., BC -- 10
132. 1957 - Mar 6, Navy Tanker Mission San Francisco & Elna II collis./explo., Del Ri., DE 10
133. 1960 -- Oct 22, Alcoa Corsair Collision, Mouth of Mississippi River, LA -- 10
134. 1965 -- May 07, Ships Collide, Fog, Cedarville Sinks, Mackinac Straits, MI 10
135. 1972 -- Nov 7, Freighter Hits Sidney Lanier Bridge, Span Collapse, Brunswick GA 10

2025 Cross-listed in Fog as a Contributing Factor
2026 Cross-listed in Fog as Contributing Factor.
2027 Cross-listed in Fog as Contributing Factor.
2028 Cross-listed in Hazardous Materials Transportation.
2029 Cross-listed in Fog as contributing condition.
2030 Cross-listed in Road/Highway and in Structural Collapse/Bridge.
1. 1833 -- June-July (esp.), Cholera, esp. Brig Ajax, Steamers Chester & Tobacco Plant$^{2031}$ -->190
2. 1822 -- May 8-July 24,$^{2032}$ Yellow Fever, U.S. Frigate Macedonian, Caribbean -- 101
3. 1832 -- Nov-Dec (especially), Cholera, East Coast, Mississippi and Ohio river boats$^{2033}$ -->95
4. 1818 -- Sep 29- Oct, Navy Transport Leviathan, Influenza Epidemic, Atlantic Ocean -- 91
5. 1849 -- Early May--May 10, Cholera, Steamer Monroe, St. Louis to Jefferson City$^{2034}$ --63-70
6. 1852 -- Cholera, esp. MS/OH Rivers, Steamers Midas/17 and Philadelphia/43 (Atlantic)-- >70
7. 1818 -- Fall/Winter, Cruiser Pittsburgh, Influenza Epidemic, Rio de Janeiro Brazil -- 58
8. 1818 -- Sep 20-Oct 2, Navy Transport America, Influenza Outbreak, Atlantic/ France -- 55
9. 1851 -- Feb?, Steamer Arkansas, Tallapoosa River, Mobile to Wetumpka, AL -- 52
10. 1848 -- Dec 22, Cholera, Steamboat Peytona arrives at Louisville from New Orleans$^{2035}$ -- 50
11. 1849 -- sometime after Apr 21, Cholera on Steamboat Mary, MS Riv. 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, Steamer Dove, Cholera, Ouachita River, AR and LA --30-40
15. 1862 -- Fall, esp., Yellow Fever, especially U.S. Frigate St. Lawrence (29) -- 38
16. 1818 -- 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 -- early June, Cholera, steamboat Uncle Toby, MS River, -- Quincy to Rock Isl. -- 27
19. 1851 -- before June 22, Steamer Grand Turk, Cholera, Mississippi River$^{2036}$ -- ~25
20. 1851 -- before June 22, Steamer Pride of the West, Cholera, Mississippi River$^{2037}$ -- ~25
21. 1853 -- --Early March, Steamer Golden Gate, Panama to San Francisco, Yellow Fever--23
22. 1799 -- Nov-Feb 1880, Ship USS Delaware, Yellow Fever, Curacao, Caribbean$^{2038}$ -- 20
23. 1799 -- Jun-Jul, Frigate USS General Greene, Yellow Fever, Cuba to Portsmouth NH$^{2039}$ -- >20
24. 1822 -- July-Aug, Yellow Fever, U.S. Brig Enterprise; Caribbean to NYC & at NYC -- 19
25. 1850 -- Sep 12-17, Cholera, Steamer Falcon, Chagres, Panama to Havana, Cuba$^{2040}$ --17-18

$^{2031}$ 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.

$^{2032}$ The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.

$^{2033}$ We do not know actual number, but speculate is was very much in access 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).

$^{2034}$ 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. 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.

$^{2035}$ McClellan in his 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.

$^{2036}$ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

$^{2037}$ We note about twenty-five in that newspaper article writes of fifty deaths on Grand Turk and Pride of the West.

$^{2038}$ There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

$^{2039}$ There were at least 1,335 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

510
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Details</th>
<th>Location</th>
<th>Mortality</th>
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<tr>
<td>1849</td>
<td>Nov</td>
<td>Steamboat Constitution, Cholera</td>
<td>St. Louis</td>
<td>12-17</td>
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<td>1850</td>
<td>Oct 28-Nov 8</td>
<td>Cholera, Barque Splendid, Sacramento to San Francisco</td>
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<td>1864</td>
<td>Aug 18-30</td>
<td>Yellow Fever, U.S. gunboat John Chambers</td>
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<td>1839</td>
<td>Late Summer or Fall</td>
<td>Steamboat Corsair, Yellow Fever, Mississippi River</td>
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<td>1848</td>
<td>Late Dec</td>
<td>Steamer Potomac [unclear], Cholera, NOLA to Louisville, KY</td>
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<td>1866</td>
<td>Oct (late)</td>
<td>US gunboat Bienville, while in Caribbean and passage to NYC</td>
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<td>1850</td>
<td>April</td>
<td>Cholera, Steamer St. Louis, New Orleans to St. Louis, arriving May 1</td>
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<td>12-13</td>
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<td>1851</td>
<td>June-July</td>
<td>Cholera, Steamboat St. Ange, upon arrival at Fort Pierre, SD</td>
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<td>13</td>
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<td>1851</td>
<td>by April 24</td>
<td>Cholera, Steamboat Iroquois, New Orleans to St. Louis, MO</td>
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<tr>
<td>1841</td>
<td>Sep-Oct</td>
<td>Yellow Fever, crew of the USS Levant, at Pensacola, FL</td>
<td></td>
<td>11</td>
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<tr>
<td>1849</td>
<td>by Mar 24</td>
<td>Cholera, Steamboat Yorktown, MS Riv. before reaching Cairo, IL</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

2040 Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.
2041 St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.
2042 The last three deaths were on the 8th in a San Francisco hospital after transfer from the boat upon landing on 7th.
2043 “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.)
2044 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.
1. 1799 -- Jun-Jul, Frigate USS General Greene, Yellow Fever, Cuba to Portsmouth NH\textsuperscript{2045} -->20
2. 1799 -- Nov-Feb 1880, Ship USS Delaware, Yellow Fever, Curacao, Caribbean\textsuperscript{2046} -- 20

3. 1822 -- May 8-July 24,\textsuperscript{2047} 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 boats\textsuperscript{2048} -->95
6. 1833 -- June-July (esp.), Cholera, esp. Brig Ajax, Steamers Chester & Tobacco Plant\textsuperscript{2049} -->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

10. 1848 -- Dec 22, Cholera, Steamboat Peytona arrives at Louisville from New Orleans\textsuperscript{2050} -- 50
11. 1848 -- Late Dec, Steamer Potomac [unclear], Cholera, NOLA to Louisville, KY\textsuperscript{2051} -- 14

12. 1849 -- by Mar 24, Cholera, Steamboat Yorktown, MS Riv. before reaching Cairo IL -- 10
13. 1849 -- After Apr 21, Cholera on Steamboat Mary, MS Riv. before St. Joseph -- 50
14. 1849 -- Early May--May 10, Cholera, Steamer Monroe, St. Louis to Jefferson City\textsuperscript{2052} --63-70
15. 1849 -- early June, Cholera, steamboat Uncle Toby, MS River, ~Quincy to Rock Isl. -- 27
16. 1849 -- Nov (early to 15\textsuperscript{th} arrival at St. Louis), Steamboat Constitution, Cholera\textsuperscript{2053} --12-17

17. 1850 -- Jan, Steamboat Dove, Cholera, Ouachita River, AR and LA --30-40
18. 1850 -- April, Cholera, Steamer St. Louis, New Orleans to St. Louis, arriving May 1 --12-13

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\textsuperscript{2053} St. Louis paper notes 17 deaths; a later New Orleans paper writes that of that number only 12 were truly cholera.
19. 1850 -- April, Cholera, Steamer *Missouri*, New Orleans to St. Louis, arriving May 2 -- ~12
20. 1850 -- Sep 12-17, Cholera, Steamer *Falcon*, Chagres, Panama to Havana, Cuba\(^{2054}\) --17-18
21. 1850 -- Oct 28-Nov 8, Cholera, Barque *Splendid*, Sacramento to San Francisco\(^{2055}\) -- 17

**MARITIME** Subset – **DISEASE, infectious and/or contagious** – **Chronological** (continued)

22. 1851 -- Feb?, Steamboat *Arkansas*, Tallapoosa River, Mobile to Wetumpka, AL -- 52
23. 1851 -- by April 24, Cholera, Steamboat *Iroquois*, New Orleans to St. Louis, MO -- 12
24. 1851 -- before June 22, Steamer *Grand Turk*, Cholera, Mississippi River\(^{2056}\) -- ~25
25. 1851 -- before June 22, Steamer *Pride of the West*, Cholera, Mississippi River\(^{2057}\) -- ~25
26. 1851 -- June-July?\(^{2058}\) Cholera, Steamboat *St. Ange*, upon arrival at Fort Pierre, SD -- 13

27. 1852 -- Cholera, esp. MS/OH Rivers, Steamers *Midas*/17 and *Philadelphia*/43 (Atlantic)-- ≥70

28. 1853 -- ~Early March, Yellow Fever, Steamer *Golden Gate*, Panama to San Francisco-- 23
29. 1853 -- ~Early March, Yellow Fever, Steamer *Winfield Scott*, Panama to San Francisco--~41

30. 1858 -- Spring, Yellow Fever Outbreak, USS *Susquehanna*, off San Juan, Puerto Rico-- 46

31. 1862 -- Fall, esp., Yellow Fever, especially U.S. Frigate *St. Lawrence* (29) -- 38

32. 1864 -- Aug 18-30 timeframe, Yellow Fever, U.S. gunboat *John Chambers* -- 16

33. 1866 -- Oct (late). US gunboat *Bienville*, while in Caribbean and passage to NYC -- 14

34. 1918 -- Fall/Winter, Cruiser *Pittsburgh*, Influenza Epidemic, Rio de Janeiro Brazil -- 58
35. 1918 -- Sep 20-Oct 2, Navy Transport *America*, Influenza Outbreak, Atlantic/France -- 55
36. 1918 -- Sep 29-Oct, Navy Transport *Leviathan*, Influenza Epidemic, Atlantic Ocean -- 91
37. 1918 -- Early Oct, Navy Transport *Siboney*, Influenza Epidemic, Atlantic Ocean -- 38

\(^{2054}\) Were for most part, if not all, on way from California back, via Panama, to East Coast. Sixteen were Americans.
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<tbody>
<tr>
<td>1865</td>
<td>Apr 27</td>
<td>Steamer <em>Sultana</em> boiler explos./fire, MS Riv., Redman Point, AR</td>
<td>1,547-1,947</td>
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<tr>
<td>1947</td>
<td>Apr 16-17</td>
<td>Ammonium Nitrate Explosion, <em>Grandcamp</em>, Texas City, TX</td>
<td>581-600</td>
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<td>1944</td>
<td>Nov 10</td>
<td>Explosion, USS <em>Mount Hood</em>, Seeadler Harbor, Manus Island</td>
<td>372-378</td>
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<tr>
<td>1944</td>
<td>July 17</td>
<td>Munitions Ships Explode while loading, Port Chicago, CA</td>
<td>320-325</td>
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<tr>
<td>1898</td>
<td>Feb 15</td>
<td>Battleship USS <em>Maine</em> Magazine Explos., Havana Harbor, Cuba</td>
<td>263-268</td>
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<td>1841</td>
<td>Aug 09</td>
<td><em>City of Erie</em> Explosion/Fire, Silver Creek, Lake Erie, 60m ~Buffalo</td>
<td>173-250</td>
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<tr>
<td>1837</td>
<td>May 08</td>
<td>Steamer <em>Ben Sherrod</em> Explosion/Fire, MS River, Fort Adams, MS</td>
<td>72-230</td>
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<tr>
<td>1866</td>
<td>Jan 28</td>
<td>Steamer <em>Miami</em>, Boiler Explosion, Arkansas River, ~Napoleon, AR</td>
<td>40-225</td>
<td></td>
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<td>1944</td>
<td>July 17</td>
<td>Munitions Ships Explode while loading, Port Chicago, CA</td>
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<td></td>
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<tr>
<td>1838</td>
<td>Apr 25</td>
<td>Steamboat <em>Moselle</em> Boiler Explosion/Fire, near Cincinnati, OH</td>
<td>81-200</td>
<td></td>
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<td>Steamer <em>Ben Sherrod</em> Explosion/Fire, MS River, Fort Adams, MS</td>
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<td>1846</td>
<td>Jan 28</td>
<td>Steamer <em>Miami</em>, Boiler Explosion, Arkansas River, ~Napoleon, AR</td>
<td>40-225</td>
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<tr>
<td>1866</td>
<td>Feb 2</td>
<td>Steamboat <em>W.R. Carter</em> Boiler Explosion, Miss. River, Island No. 98</td>
<td>123-215</td>
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<tr>
<td>1838</td>
<td>Apr 25</td>
<td>Steamboat <em>Moselle</em> Boiler Explosion/Fire, near Cincinnati, OH</td>
<td>81-200</td>
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<td>1863</td>
<td>Aug 19</td>
<td>Steamer <em>City of Madison</em> ammunition Explosion, Vicksburg, MS</td>
<td>50-163</td>
<td></td>
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<td>1858</td>
<td>Jun 13</td>
<td><em>Pennsylvania</em> boiler explos./fire, MS Ri., Hardin Pt. ~Austin MS/Helena AR</td>
<td>60-160</td>
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<td>1849</td>
<td>Nov 15</td>
<td>Steamboat <em>Louisiana</em> Boiler Explosion, New Orleans, LA</td>
<td>86-150</td>
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<td>1838</td>
<td>June 14</td>
<td>Steamer <em>Pulaski</em> Boiler Exploses/Sinks off Cape Lookout, NC</td>
<td>100-141</td>
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<td>1944</td>
<td>Jan 03</td>
<td>USS <em>Turner</em>, Ammunition Explosions, Sinks, NY Harbor, NY</td>
<td>138</td>
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<td>1852</td>
<td>Apr 09</td>
<td>Steamboat <em>Saluda</em> Boiler Explosion, Missouri Riv., Lexington, MO</td>
<td>37-135</td>
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<tr>
<td>1867</td>
<td>July 29</td>
<td>Rocket Explosion and Fire, USS <em>Forrestal</em>, off coast of Vietnam</td>
<td>134</td>
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<td>1838</td>
<td>Apr 21</td>
<td>Boiler Explosion, Steamer <em>Oronoko</em>, MS River, near Princeton, MS</td>
<td>100-130</td>
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<td>1871</td>
<td>July 30</td>
<td>Staten Island Ferry <em>Westfield II</em> Boiler Explosion, NY Harbor, NY</td>
<td>86-126</td>
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<tr>
<td>1954</td>
<td>May 26</td>
<td>Explosions/Fire, U.S. Carrier <em>Bennington</em>, off Quonset Point, RI</td>
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<td>1844</td>
<td>Oct 23</td>
<td><em>Lucy Walker</em> Boiler Explosion/Fire, Ohio Riv., near New Albany IN</td>
<td>18-100</td>
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<td>1850</td>
<td>Dec 13</td>
<td>Steamer-Tug <em>Anglo-Norman</em> Boiler Explos., near New Orleans, LA</td>
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<td>1851</td>
<td>Sep 28</td>
<td>Steamer <em>Brilliant</em> Boiler Explos., Miss. Riv., Bayou Goula, LA</td>
<td>90-100</td>
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<td>1859</td>
<td>Feb 27</td>
<td>Steamer <em>Princess</em> Boiler Explos./Fire, MS River, ~Baton Rouge, LA</td>
<td>70-100</td>
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<td>1866</td>
<td>Jan 30</td>
<td>Steamer <em>Missouri</em> Boiler Explosion, Ohio Riv. near Newburg, IN</td>
<td>60-100</td>
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<tr>
<td>1852</td>
<td>Apr 03</td>
<td>Steamer <em>Glencoe</em> Boiler Explosion, St. Louis, MO</td>
<td>60-83</td>
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<td>1868</td>
<td>Mar 18</td>
<td>Steamer <em>Magnolia</em> Boiler Explos./Fire, OH Riv., ~Cincinnati, OH</td>
<td>35-83</td>
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<td>1847</td>
<td>Dec 29</td>
<td>Steamer <em>A.N. Johnston</em> Boiler Explosion, Ohio River, ~Maysville KY</td>
<td>60-80</td>
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<tr>
<td>1855</td>
<td>Jan 27</td>
<td>Steamer <em>Pearl</em> Boiler Explosion, Sacramento River, Marysville, CA</td>
<td>40-80</td>
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<tr>
<td>1871</td>
<td>Jan 28</td>
<td>Steamboat <em>W. R. Arthur</em> Boiler Explosion, near Memphis, TN</td>
<td>60-87</td>
<td></td>
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<tr>
<td>1871</td>
<td>Aug 27</td>
<td>Steamboat <em>Ocean Wave</em> Boiler Explos., Point Clear ~Mobile, AL</td>
<td>34-75</td>
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<tr>
<td>1932</td>
<td>Sep 09</td>
<td>Explosion &amp; Fire, Steam Screw <em>Observation</em>, East River, NY</td>
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<td>1850</td>
<td>Apr 28</td>
<td>Steamer <em>General Anthony Wayne</em> Explosion, Lake Erie, OH</td>
<td>30-70</td>
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<td>1859</td>
<td>Apr 24</td>
<td>sidewheel <em>St. Nicholas</em> boiler explos./fire, Helena Isl. (No. 60), AR</td>
<td>50-70</td>
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<td>1867</td>
<td>Feb 17</td>
<td>Steamer <em>David White</em> Boiler Explos., MS River, Pt. Chicot MS</td>
<td>60-65</td>
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<td>1905</td>
<td>July 21</td>
<td>USS <em>Bennington</em> Gunboat Boiler Explosion, San Diego, CA</td>
<td>60-65</td>
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<tr>
<td>1945</td>
<td>Jan 21</td>
<td>USN Plane Bombs Explode USS <em>Hancock</em> landing, South China Sea</td>
<td>62</td>
<td></td>
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<tr>
<td>1864</td>
<td>Nov 12</td>
<td>Navy Gunboat <em>Tulip</em> Boiler Explosion, Ragged Point, MD</td>
<td>49-61</td>
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<tr>
<td>1825</td>
<td>May 05</td>
<td>Steamer <em>Teche</em>, Explos. MS R., St. Catherines Creek, ~Natchez, MS</td>
<td>15-60</td>
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</tbody>
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2059 Cross-listed in Explosions, in Fire, and in Hazardous Materials Transportation.  
2060 Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea. Cross-listed in Explosions.  
2061 Cross-listed under Explosions and in Hazardous Materials Transportation.  
2062 Cross-listed under Explosions.  
1830 -- Feb 24, Steamboat Helen McGregor Boiler Explosion, Memphis, TN --33-60
1833 -- June 7, Steamer Peruvian Boiler Explosion, MS River, ~New Orleans LA2064 --50-60
1838 -- Nov 25, General Brown Boiler Explosion, Mississippi River, Helena, AR --30-60
1854 -- Jan 28, Steamboat Georgia Fire, Lake Pontchartrain, LA --25-60
1851 -- Mar 2, Steamer Oregon Boiler Explosion/Fire, Island No. 82, MS River, MS --18-60
1866 -- May 31, City of Memphis Explodes/Burns, MS River, off Buck Island, MS --11-60

Maritime Disasters -- EXPLOSIONS Subset – By Mortality (continued)

46. 1842 -- July 3, Boiler Explos., Steamboat Edna, near Mouth of Missouri River, MO -- 55
47. 1913 -- March 7, Harbor/Ship (Alum Chine) Dynamite Explosion, Baltimore, MD2065 -- 55
48. 1845 -- July 1, Steamboat Marquette Boiler Explosion, New Orleans, LA --13-50
49. 1848 -- Aug 12, Boiler Explos., Steamboat Majestic, boiler collapse/explosion, Memphis TN --38-40
50. 1852 -- Apr 03, Steamer Redstone Boiler Explosion, Ohio River ~Carrolton, KY --14-40
51. 1852 -- July 05, Steamer St. James Boiler Explosion, Lake Pontchartrain, LA --30-40
52. 1872 -- Apr 11, Boiler Explosion, Steamer Oceanus, MS. River, Brook’s Point, IL -- 40
53. 1888 -- Feb 27, Boiler Explosion, Ferryboat Julia, South Vallejo, CA --30-40
54. 1860 -- June 24, Steamer Ben. W. Lewis Boiler Explosion, Cairo, IL --23-50
55. 1888 -- Jun 28, Steamer Seawanhaka Explodes/Burns, East River, Randall’s Isl. NY --24-50
56. 1899 -- 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 3, Steamer Corona Boiler Explos., Mississippi River, False River, LA --38-46
59. 1829 -- Jun 4, Magazine Explos., Steam Frigate Fulton, Navy Yard, Brooklyn NY2066 --24-40
60. 1852 -- Apr 03, Steamer Redstone Boiler Explosion, Ohio River ~Carrolton, KY --14-40
61. 1852 -- July 05, Steamer St. James Boiler Explosion, Lake Pontchartrain, LA --30-40
62. 1855 -- Apr 15, Steamer Secretary Explosion, SF Bay, at San Pablo Bay, CA -- 50
63. 1941 -- June 29, Cabin Cruiser Don Explodes and Burns off Bailey Island, ME -- 37
64. 1953 -- Oct 16, Carrier USS Leyte explos./fire, South Boston Naval Yard, Boston MA --37-39
65. 1945 -- Aug 12, Steamer Edward Bates Boiler Explosion, MS Riv., Hamburg, IL --40-53
66. 1837 -- Dec 27, Black Hawk Boiler Explos./Fire, MS River, Black Hawk Pt., IA --30-50
67. 1848 -- May 27, Boiler Explosion, Steamboat H. Kenney, Tombigbee River, AL -- 8-50
68. 1850 -- Oct 29, Steamboat Sagamore Boiler Explosion, San Francisco, CA --20-50
69. 1848 -- July 1, Steamboat Marquette Boiler Explosion, New Orleans, LA --13-50
70. 1860 -- Oct 31, Steamer H.R.W. Hill Boiler Explosion, Baton Rouge, LA -- 39
71. 1850 -- Sep 4, Steamboat Reindeer Boiler Explosion, Hudson River ~ Bristol, NY --28-37
72. 1848 -- May 27, Boiler Explosion, Steamboat H. Kenney, Tombigbee River, AL -- 8-50
73. 1888 -- Feb 27, Boiler Explosion, Ferryboat Julia, South Vallejo, CA --30-40
74. 1855 -- Jun 30, Steamer Lexington Boiler Explos., Ohio River, ~Stephensport, KY --30-35
75. 1864 -- Apr 15, Steamer Chenango Boiler Explos. NY Harbor ~Ft. Richmond NY --30-33

2064 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.
2065 Cross-listed in Explosions and in Hazardous Materials Transportation.
2066 Cross-listed in Explosions.
2067 There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.
Maritime Disasters-- EXPLOSIONS Subset – By Mortality (continued)

77. 1853 -- Apr 11, Steamship Jenny Lind Boiler Explosion, Alviso to SF, CA -- 31

78. 1817 -- May 04, Steamer Constitution Boiler Explos., MS Riv., Point Coupee, LA --10-30
79. 1828 -- May, Car of Commerce Boiler Explos., Miss. River, 110m so. OH River -- 30
80. 1836 -- Mar 12-13, Steamboat Ben Franklin Boiler Explosion, at Mobile, AL --11-30
81. 1839 -- May 6, George Collier Steam Escape, Miss. River at Red River mouth, LA --26-30
82. 1848 -- Jan 8, Blue Ridge Boiler Explosion, OH Ri., Racoon Is., ~Gallipolis, OH --11-30
83. 1850 -- Nov 21, 25 or 26, Steamer Antoinette Douglas Boiler Explos., AL Riv., AL -- 9-30
84. 1852 -- Jan 14, Steamer George Washington Boiler Explos./Fire, Grand Gulf, MS --16-30
85. 1856 -- Feb 05, Steamer Belle Boiler Explosion, nine miles above Sacramento, CA -- ~30
86. 1873 -- Aug 22, George C. Wolfe Boiler Explo., MS Riv., St. Francis Is. ~Helena, AR --12-30
87. 1918 -- Oct 04, Steamer San Sabo strikes mine, 15 miles SW of Barnegat, NJ2068 -- 30
88. 1850 -- Mar 23, Steam Troy Explodes, Lake Erie, mouth Niagara Riv.~ Buffalo, NY --15-29
89. 1842 -- Apr 14, Medora Steamboat Boiler Explosion, Baltimore Harbor, MD -- 28
90. 1848 -- Sep 17, Concordia, Boiler Explosion, Mississippi River, Plaquemine, LA -- 8-28
91. 1901 -- Aug 28, Boiler Explosodes, City of Trenton, Delaware Riv., ~Torresdale, PA --26-28
92. 1969 -- Jan 14, Explosions and Fire on USS Enterprise, off Pearl Harbor, Hawaii -- 28
93. 1837 -- Aug 15, Steamer Dubuque Boiler Explosion, Miss. Ri. Muscatine Bar, IA --16-27
94. 1863 -- Apr 27, Steamer Ada Hancock Explosion, San Pedro Bay, LA, CA -- 26
95. 1865 -- Oct 29, Boiler Explosion, Steamer St. John, ~5 miles above NY, NY -- 26
96. 1926 -- Apr 11, Tanker Gulf of Venezuela Explosion, Port Arthur, TX2069 -- 26
97. 1969 -- Dec 26, USN Charter SS Badger State Explos./raft hit by falling bomb, N. Pacific -- 26
98. 1847 -- June 4 or 5, Steamer Edna Boiler Explosion, Ouachita Riv. Columbia, LA --20-25
99. 1854 -- Apr 8, Steamer Gazelle Boiler Explosion, Oregon City, OR -- 25
100. 1852 -- Nov 12, Buckeye Belle Boiler Explosion, Muskingum Riv., Beverly Canal OH-- 24
101. 1882 -- Aug 7, Steamboat Gold Dust Boiler Explosion, near Hickman, KY --17-24
102. 1874 -- Oct 22, Steamer Brooklyn Boiler Explosodes, Detroit River, MI --20-22
103. 1964 -- Jun 30, Explosion/Fire, Drilling Barge C.P. Baker, Gulf of Mexico -- 22
104. 1956 -- Jan 17, Gasoline explos./fire, SS Salem Maritime, terminal, Rose Bluff, LA2070--21
105. 1833 -- Oct 16, Boiler Explosion, Steamer New England, CT River, Essex, CT --13-20
106. 1836 -- Jun 09, Steamboat Rob Roy Boiler Explos., Miss. River, ~Columbia, AR --17-20
107. 1838 -- Dec 03, Boiler Explosion, Augusta, MS Riv. between Natchez/Vicksburg, MS-- 20
108. 1841 -- Aug 12, Boiler Explos., Steamboat Louisiana, MS Riv., Bayou Sara, LA --18-20
109. 1850 -- Jan 23, St. Joseph Boiler Explos., MS Ri., Islands No 80/81, ~Napoleon AR-- 8-20
110. 1850 -- Dec 17, Steamboat Knoxville, Boiler Explosion, New Orleans, LA --12-20
111. 1851 -- Feb 20, Boiler Explosion, Sidewheel Ferry St. Louis, St. Louis, MO -- 20
112. 1852 -- Apr 25, Boiler Explosion, Steamboat Prairie State No. 2, Pekin, IL -- 20
113. 1854 -- Aug 26, Steamboat Timour No. 2 Boiler Explosion, ~Jefferson City, MO --17-20
114. 1858 -- Jan 28, Fanny Fern Boiler Explosion, Ohio River, near Lawrenceburg, IN --13-20

2068 Cross-listed in Violence-Attack.
2069 Cross-listed in Hazardous Materials Transportation.
2070 Cross-listed in Explosions and in Hazardous Materials Transportation.
115. 1858 -- Feb 17, Steamer *Magnolia* Boiler Explos., Cape Fear River, White Hall, NC
116. 1860 -- Nov 3, Steam Towboat *Baltic* Explosion, Mobile, AL
117. 1866 -- Mar 4, Steamer *Lockwood* Explosion/Fire, 8 miles below Memphis, TN
118. 1905 -- Jan 03, Towboat *Defender* Boiler Explosion, OH River, ~Huntington WV
119. 1941 --Mar 24, Oil Tanker *Cities Service Denver* Explosion/Fire, off NC/SC coast
120. 1945 -- Feb 5, Tanker *Spring Hill* hit/explosion/fire, off Stapleton, Staten Island, NY

121. 1881 - Dec 26, Steamer *West Point* gasoline fumes explos., York Ri., West Point, VA
122. 1947 -- Sep 09, Fuel Tanks Explode, Fire, *Island Queen* Steamboat, Pittsburgh, PA
123. 1947 -- May 6, Steamboat *New Hampshire* boiler explos., Ark Riv., Pine Bluff, AR
124. 1848 -- Sep 15-21, Prop. *Goliath* Fire/Explos., Lake Huron, ~Point au Barques, MI
125. 1926 -- Nov 19, Oil tanker *Mantilla* explos., Bethlehem Steel drydock, Sparrows Point, MD
126. 1932 -- Feb 4, Explos., Sun Oil Tanker *Bidwell* while cleaning, Marcus Hook, PA
127. 1820 -- Mar 20, Steamboat *Buffalo* Explosion, Owensboro, KY
128. 1840 -- Dec 12, Explosion, Steamboat *Cherokee*, Ark. River, Lewisburg, AR
129. 1844 -- Aug 12, Boiler Explos., Steamer *Louisiana*, 15m north of Bayou Sara, LA
130. 1882 -- Dec 06, Steamboat *Morning Star* Boiler Explos., MS Riv., below N.O., LA
131. 1944 -- May 11, Explos. Ammo dump at sea, Hingham Depot boat, ~Boston Harbor, MA
132. 1833 -- May 19, St. *Lioness* Fire/Gunpowder Explos., Red Riv., Montgomery, LA
133. 1842 -- Feb 25, Steamboat *North Star* Boiler Explosion & Fire, Tuscaloosa, AL
134. 1849 -- Mar 03, Steamer *Woodsmant*, Mississippi River, Bayou Sara, LA
135. 1892 -- Jun 13, Mil. Munitions Explosos., USS *Boston*, Mare Island Navy Yard, CA
136. 1906 -- Dec 19, Steamer *W. T. Scovell* Boiler Explosion, ~Vicksburg, MS
137. 1913 -- Jan 09, Boiler Explosion, *Jas. T. Staples*, Tombigbee River, ~Mobile, AL
138. 1944 - Oct 21, Vapor Explos./Fire, USN LSMs 211/212, Berth 223, LA Harbor, CA
139. 1829 -- Sep 16, Steam Pipe Explodes, *William Peacock*, Lake Erie, ~Buffalo, NY
140. 1830 -- Apr 01, Explosion of the *Tri-Color*, Ohio River, Wheeling, WV
141. 1830 -- May, Boiler Explosion, *Chief Justice Marshall* Hudson River, NY
142. 1835 -- Oct 1, Steamer *Carrollton* Explosion, Baton Rouge, LA
143. 1836 -- ~Oct , Steamer *Nicholas Biddle* Boiler Explosion, below Memphis TN
144. 1836 -- Dec 19, Boiler Explosion, Schooner *Dolphin*, off St. Johns Bar, FL
145. 1847 -- Dec 20, Steamer *Westwood* hits bank, explosion, near New Orleans, LA
146. 1849 -- Jan 14, Steamer *Richland* Boiler Explosion, Pee Dee Riv. Briton’s Ferry, SC

**Maritime Disasters -- EXPLOSIONS Subset -- By Mortality (continued)**

2071 Cross-listed in Hazardous Materials Transportation, as a possible cause of the explosion.
2072 Cross-listed in Hazardous Materials Transportation.
2073 Cross-listed in Explosions.
2074 Cross-listed in Hazardous Materials Transportation.
2075 Cross-listed in Explosions.
2076 Cross-listed in Hazardous Materials Transportation.
2077 Cross-listed in Explosions and in Hazardous Materials Transportation.
2078 Cross-listed in Explosions and in Hazardous Materials Transportation.
147. 1849 -- Mar 31, Steamer *Virginia* Boiler Explosion, Ohio River, Rush Run, OH -- 10-15
148. 1850 -- July 31, Boiler Explosion, Steamer *America*, Lake Erie, near Buffalo, NY -- 9-15
149. 1850 -- Nov 07, Steamboat *Telegraph* Boiler Explosion, off New Castle, DE -- 15
150. 1853 -- Dec 22, Steamer *Marlboro/Marlborough* Boiler Explosion, Charleston SC -- 14-15
151. 1854 -- Feb 16, Steamboat *Kate Kearney* Boiler Explosion, St. Louis, MO -->9-15
152. 1857 -- Nov 17, *Cataract* Mud Drum Explosion, Missouri River, Lisbon, MO -- 12-15
153. 1858 -- Feb 4, Steamer *Colonel Crossman* boiler explos., MS Riv. ~New Madrid MO~ -- 15
154. 1860 -- Nov 08, Steamer *Globe* Boiler Explosion, dock, Chicago, IL -- 15
155. 1869 -- Jan 13, Steamer *Glide* Boiler Explosion, ~50m above New Orleans, LA -- 15
156. 1878 -- Sep 28, Steamer *Adelphi* Boiler Explosion, ~Gregory’s Pt. E. Norwalk, CT -- 14-15

**MARITIME Disasters -- EXPLOSIONS Subset -- MORTALITY (continued)**

157. 1834 -- Apr 12, Boiler Explodes, Steamer *St. Louis*, Des Moines Rapids, IA -- 14
158. 1842 -- Feb 19, Steam Towboat *Mohican* boiler explodes, MS Ri., New Orleans, LA-10-14
159. 1862 -- Nov 05, Steamer *J.H. Dickey* Grounds IL shore, MS River, Boiler Explodes -- 14
160. 1924 -- Oct 20, USS *Trenton* Gun Turret Powder Bag Explosion, off Norfolk, VA -- 14

161. 1824 -- May 15 Steamboat *Aetna* Boiler Explosion, New York Harbor, NY -- 10-13
162. 1833 -- Nov 08, Steamer *Illinois* Boiler Explosion, Miss. River, near Cairo, IL -- 13
163. 1852 -- Jan 9, Steamboat *Magnolia* Exploses, St. Simon’s Island, GA -- 13
164. 1864 -- May 21, Steamboat *Nile* Boiler Explosion, Detroit, MI -- 6-13
165. 1876 -- Mar 01, Explosion, Scow, Umatilla Rapids, OR -- 13
166. 1893 -- May 7, Steam Flue Bursts, Steamer *Ohio*, Miss. River ~ Wolf Island, MS -- 13
167. 1893 -- May 7, Steam Flue Bursts, Steamer *Ohio*, Miss. River ~ Wolf Island, MS -- 13
168. 1916 -- Jan 4, Gas Fumes Explosion, Oil Tanker *Aztec Norge*, Erie Basin dock, NY\textsuperscript{2079} -- 13
169. 1947 -- Jun 22, Tankship *Markay* Petrol. Prod. Loading Vapor Explos., LA CA\textsuperscript{2081} -- 10-12

170. 1836 -- Aug 9, Steamer *Motto* Boiler Explos., Blennerhasset’s Island, OH Riv., WV-- 12
171. 1837 -- July 28, Boiler Explosion Sidewheel *Chariton*, St. Louis, MO -- 12
172. 1864 -- Aug 10, Propeller Racine boiler explosion, Lake Erie, off Rondeau, Ontario -- 12
173. 1855 -- Apr 20, Propeller *Oregon* Boiler Explosion, Detroit River, ~Belle Isle, MI -- 12
174. 1860 -- Mar 06, Steamer *Alfred Thomas* Boiler Explosion, Del. River, Easton, PA -- 10-12
175. 1862 -- Oct 08, Steamer *Ceres*, Explosion, St. Joseph Island, LA -- 12
176. 1865 -- July 31, Steamer *Joseph Pierce* Boiler Explosion, Palmyra Landing, MS -- 12
178. 1947 -- Jun 22, Tankship *Markay* Petrol. Prod. Loading Vapor Explos., LA CA\textsuperscript{2081} -- 10-12

179. 1830 -- Apr 22, Boiler Explosion, *New Caledonia*, MS River, near Cairo, IL -- 11
180. 1847 -- Jan 29, Boiler Explosion, Steamer *Tuscaloosa*, 10 miles from Mobile, AL -- 11
181. 1850 -- Oct 5, Steamer *Kate Fleming* Boiler Explos., OH R. Mouth\textsuperscript{2082} ~Walker’s Bar-9-11
182. 1851 -- Aug 20, Explosion, Steamboat *Dacotah*, Peoria, IL -- 11

\textsuperscript{2079} Cross-listed in Hazardous Materials Transportation.
\textsuperscript{2080} Cross-listed in Hazardous Materials Transportation.
\textsuperscript{2081} Cross-listed in Explosions and in Hazardous Materials Transportation.
\textsuperscript{2082} This would put the event between Illinois and Kentucky.
183. 1853 -- Jun 20, Boiler Explosion, Steamboat *New World*, New York, NY -- 11
184. 1857 -- Mar 31, Steamer *Forest Rose* Boiler Explosion MS Riv., ~Napoleon, AR -- 11
185. 1865 -- Dec 09, Ferry Steamboat *De Soto*, Explosion, Pascagoula, MS -- 11
186. 1868 -- May 01, Propeller *Gov. Cushman* Explodes, Buffalo, NY -- 11
187. 1886 -- Sep, Boiler Explosion, Steamboat *Julia* -- 11
188. 1904 -- May 26, Boiler Explosion, Tow *Fred Wilson*, W. Louisville, KY -- 11
189. 1908 -- Nov 21, Steamer *H.M. Carter* Explosion/Fire, Miss. River, Palo Alto, LA -- 10-11
190. 1914 -- May 11, Boiler Scalding, Steamer *Jefferson*, Norfolk, VA to NYC -- 11
191. 1916 -- Feb 02, Steamer *Sam Brown* Boiler Explosion, Huntington, WV -- 11
192. 1989 -- Oct 3, F/V *Northumberland* ruptures NG pipeline/explosion/fire ~Sabine Pass, TX
193. 2010 -- Apr 20, Drill Rig *Deepwater Horizon* Explosion, Gulf of Mex., ~50m, LA -- 11

<table>
<thead>
<tr>
<th>MARITIME</th>
<th>Disasters -- EXPLOSIONS Subset -- MORTALITY (continued)</th>
</tr>
</thead>
<tbody>
<tr>
<td>194.</td>
<td>1816 -- Jun 09, Steamer <em>Washington</em> Explosion, Ohio River, Point Harmar, OH -- ~10</td>
</tr>
<tr>
<td>195.</td>
<td>1837 -- Jun 19, Steamboat <em>Crusader</em> Boiler Explosion, Rabbit Island, LA -- ~10</td>
</tr>
<tr>
<td>196.</td>
<td>1839 -- Nov 18, <em>Wilmington</em> Boiler Explos., MS Riv., ~AR Riv. and Napoleon, AR -- 6-10</td>
</tr>
<tr>
<td>197.</td>
<td>1845 -- Feb 08, Boiler Explosion, Steamer <em>Siren</em>, below Chattahoochee, FL -- 9-10</td>
</tr>
<tr>
<td>198.</td>
<td>1852 -- Dec 14, Steamer <em>Magnet</em> Boiler Explosion, OH Riv., Grandview Island, WV -- 10</td>
</tr>
<tr>
<td>199.</td>
<td>1866 -- Sep 29, Steamer <em>Julia</em>, Steam Drum Explosion, San Francisco, CA -- 10</td>
</tr>
<tr>
<td>200.</td>
<td>1880 -- Aug 9, Steamer <em>Bonnie Lee</em> Boiler Explosion, Lenoir Pt., Red River, LA -- 9-10</td>
</tr>
<tr>
<td>201.</td>
<td>1883 -- May 25, Steamboat <em>Pilot</em> Boiler Explosion, Petaluma Riv. near Lakeville, CA -- 10</td>
</tr>
<tr>
<td>203.</td>
<td>1907 -- July 15, USS <em>Georgia</em> Gun Turret Powder Explosion off Cape Cod, MA -- 10</td>
</tr>
<tr>
<td>204.</td>
<td>1945 -- Jan 02, Fire/Explosion, Sun Oil Tanker <em>Sunoco</em>, off Sandy Hook, NJ -- 10</td>
</tr>
<tr>
<td>205.</td>
<td>1957 -- Jan 29, Vapor Explosion, Tanker SS <em>Jeanny</em>, Shipyard, Alameda, CA -- 10</td>
</tr>
</tbody>
</table>

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2083 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.
2084 Cross-listed in Explosions.
2085 Cross-listed in Hazardous Materials Transportation.
2086 Cross-listed in Explosions and in Hazardous Materials Transportation.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1904</td>
<td>Jun 15</td>
<td>Fire, <strong>General Slocum</strong></td>
<td>Excursion Steamer, East Riv., NYC, NY</td>
<td>957-1,200</td>
</tr>
<tr>
<td>1865</td>
<td>Mar 31</td>
<td>Steam Transport <strong>General Lyon</strong></td>
<td>Burns off Cape Hatteras, NC</td>
<td>400-500</td>
</tr>
<tr>
<td>1900</td>
<td>Jun 30</td>
<td>Fire, Steamship Piers, Ships, North German Line, Hoboken NJ</td>
<td>400</td>
<td></td>
</tr>
<tr>
<td>1850</td>
<td>Jun 17</td>
<td>Steamer <strong>G.P. Griffith</strong></td>
<td>Burns, Lake Erie, 20m off Cleveland, OH</td>
<td>250-325</td>
</tr>
<tr>
<td>1847</td>
<td>Nov 21</td>
<td>Fire, Steamboat <strong>Phoenix</strong></td>
<td>Sinks, Lake MI, off Sheboygan, WI</td>
<td>160-258</td>
</tr>
<tr>
<td>1869</td>
<td>Oct 27</td>
<td>Fire, Steamer <strong>Stonewall</strong></td>
<td>Mississippi River, Tea Table Bar, MO</td>
<td>125-209</td>
</tr>
<tr>
<td>1862</td>
<td>July 27</td>
<td>Steamboat <strong>Golden Gate</strong></td>
<td>Burns off Mexican Coast (Manzanilla)</td>
<td>175-200</td>
</tr>
<tr>
<td>1840</td>
<td>Jan 13</td>
<td>Steamer <strong>Lexington</strong></td>
<td>Fire/Sinks, Long Island Sound, NY</td>
<td>118-156</td>
</tr>
<tr>
<td>1832</td>
<td>Apr 9</td>
<td>Steamer <strong>Brandywine</strong></td>
<td>Burns, Miss. River, Brandywine Island, AR</td>
<td>60-155</td>
</tr>
<tr>
<td>1934</td>
<td>Sep 8</td>
<td><strong>Morro-Castle</strong> Ship Fire,</td>
<td>off Coast of NJ</td>
<td>137</td>
</tr>
<tr>
<td>1868</td>
<td>Apr 9</td>
<td>Sidewheel <strong>Sea Bird</strong></td>
<td>Burns/Sinks, Lake Mich., off Waukegan, IL</td>
<td>68-103</td>
</tr>
<tr>
<td>1856</td>
<td>Sep 24</td>
<td>Sidewheel <strong>Niagara</strong></td>
<td>Burns/Sinks, Lake MI, off Port Washington, WI</td>
<td>100</td>
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<tr>
<td>1852</td>
<td>July 28</td>
<td>Steamer <strong>Henry Clay</strong></td>
<td>Burns/Sinks, Hudson River, Yonkers, NY</td>
<td>70-90</td>
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<tr>
<td>1858</td>
<td>Mar 1</td>
<td>Fire/Expos. <strong>Steamer Eliza Battle</strong>, Kemp’s Landing ~Demopolis AL</td>
<td>29-90</td>
<td></td>
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<tr>
<td>1872</td>
<td>Oct 33</td>
<td>Screw Steamer <strong>Missouri</strong></td>
<td>Fire off Abaco Light, Lucaya, Bahama</td>
<td>50-87</td>
</tr>
<tr>
<td>1857</td>
<td>Nov 21</td>
<td>Steamer <strong>Rainbow</strong></td>
<td>Fire/sinks, MS RI, Victoria Bend, Napoleon, AR</td>
<td>20-75</td>
</tr>
<tr>
<td>1871</td>
<td>Jan 14</td>
<td>Steamboat <strong>T.L. McGill</strong></td>
<td>Burns, Miss. River, Shoo-Fly Bar, MS</td>
<td>15-75</td>
</tr>
<tr>
<td>1873</td>
<td>Aug 8</td>
<td>Steamer <strong>Wawaset</strong></td>
<td>Burns off Aquia Creek, VA</td>
<td>13-75</td>
</tr>
<tr>
<td>1850</td>
<td>Mar 4</td>
<td>Steamer <strong>Orline St. John</strong></td>
<td>Burns, AL Riv. ~Bridgeport Landing, AL</td>
<td>30-70</td>
</tr>
<tr>
<td>1875</td>
<td>Nov 9</td>
<td>Steamship <strong>City of Waco</strong></td>
<td>Burns, off Galveston Bar, TX</td>
<td>49-70</td>
</tr>
<tr>
<td>1883</td>
<td>May 3</td>
<td>American Steamer <strong>Grapples</strong>, Puget Sound to Alaska, Burns, off BC</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>1869</td>
<td>Feb 12</td>
<td>Steamer <strong>Mittie Stephens</strong></td>
<td>Fire, Caddo Lake ~Swanson’s Landing TX</td>
<td>61-69</td>
</tr>
<tr>
<td>1857</td>
<td>May 31</td>
<td>Steamboat <strong>Louisiana</strong></td>
<td>Burns, Galveston Bay, TX</td>
<td>35-66</td>
</tr>
<tr>
<td>1902</td>
<td>Apr 20</td>
<td>Steamboat <strong>City of Pittsburg</strong></td>
<td>Fire, OH Riv., ~Ogden’s Landing, KY</td>
<td>64</td>
</tr>
<tr>
<td>1856</td>
<td>Mar 15</td>
<td>Steam Ferry-Boat <strong>New Jersey</strong></td>
<td>Burns, PA to Camden NJ</td>
<td>30-61</td>
</tr>
<tr>
<td>1838</td>
<td>Jun 16</td>
<td>Satellite <strong>George Washington (2d)</strong></td>
<td>Burns, Lake Erie, near Silver Creek, NY</td>
<td>20-60</td>
</tr>
<tr>
<td>1851</td>
<td>May 02</td>
<td>Cincinnati Steamer <strong>Webster</strong></td>
<td>Burns, MS Riv., Kentucky Bend KY</td>
<td>40-60</td>
</tr>
<tr>
<td>1854</td>
<td>Mar 05</td>
<td>Steamboat <strong>Caroline</strong></td>
<td>Burns near mouth of White River, AR</td>
<td>45-60</td>
</tr>
<tr>
<td>1867</td>
<td>Jan 17</td>
<td>Steamer <strong>John Raine</strong></td>
<td>Burns, Mississippi River, Greeneville, MS</td>
<td>59</td>
</tr>
<tr>
<td>1856</td>
<td>July 17</td>
<td><strong>Northern Indiana</strong> Burns, L. Erie (Buffalo-Toledo) ~Pt. Pelee, Ontario</td>
<td>58</td>
<td></td>
</tr>
<tr>
<td>1854</td>
<td>Apr 15</td>
<td>Steamer <strong>Secretary</strong></td>
<td>Explosion, SF Bay, at San Pablo Bay, CA</td>
<td>50</td>
</tr>
<tr>
<td>1874</td>
<td>Aug 5</td>
<td>Steamboat <strong>Pat Rogers</strong></td>
<td>Burns, Ohio River below Aurora, IN</td>
<td>47-50</td>
</tr>
<tr>
<td>1924</td>
<td>Jun 12</td>
<td>Battleship <strong>USS Mississippi</strong></td>
<td>Gun Turret Cordite Fire off San Pedro CA</td>
<td>48</td>
</tr>
<tr>
<td>1940</td>
<td>Jun 10</td>
<td>Fog/Collision/Fire, <strong>Fairfax/Oil Tanker Pinthis</strong>, off Scituate, MA</td>
<td>45-47</td>
<td></td>
</tr>
<tr>
<td>1866</td>
<td>Dec 27</td>
<td>Steamer <strong>Fashion</strong> Fire, 7-12 miles above Baton Rouge, LA</td>
<td>43</td>
<td></td>
</tr>
<tr>
<td>1848</td>
<td>May 27</td>
<td>Str. <strong>Clarksville</strong> Burns, MS R., ~Isl. 75/Ozark Isl. ~Napoleon AR</td>
<td>20-41</td>
<td></td>
</tr>
<tr>
<td>1833</td>
<td>Oct 31</td>
<td>Steamer <strong>St. Martin</strong></td>
<td>Burns, Mississippi River, Donaldsonville, LA</td>
<td>30-40</td>
</tr>
<tr>
<td>1833</td>
<td>Nov</td>
<td>Steamship <strong>Caspian</strong></td>
<td>Burns, near Mouth of Red River, LA</td>
<td>25-40</td>
</tr>
<tr>
<td>1850</td>
<td>Dec 17</td>
<td>Steamboat <strong>South America</strong></td>
<td>Burns, MS River, near Bayou Sera, LA</td>
<td>27-40</td>
</tr>
<tr>
<td>1865</td>
<td>May 29</td>
<td>Stm. <strong>Governor Troup</strong></td>
<td>Burns Savannah Ri., below Augusta, SC shore</td>
<td>40</td>
</tr>
</tbody>
</table>

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1. Cross-listed under Maritime, Explosions/Fires.
2. Though fire was the precipitating event, at coroner’s inquest it was stated that most of the deaths were drowning.
3. Conflicting reports as to date as well ambiguity in others, but it would appear that June 16th is the correct date.
4. Cross-listed in Fog as a Contributing Condition. There were deaths due to the collision and to the fire.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event</th>
<th>Vessel</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1841</td>
<td>Feb 22</td>
<td>Fire, Steamer</td>
<td>Creole</td>
<td>Miss. River, Torras, ~Red River Mouth, LA</td>
<td>12-36</td>
</tr>
<tr>
<td>1850</td>
<td>Apr 22</td>
<td>Belle of the West, Fire / Boiler Explos., OH River, ~Warsaw, KY</td>
<td>-</td>
<td>-</td>
<td>34-36</td>
</tr>
<tr>
<td>1851</td>
<td>May 14</td>
<td>Collis./Fire USS Valcour &amp; Thomas Tracy off Cape Henry VA</td>
<td>-</td>
<td>-</td>
<td>36</td>
</tr>
<tr>
<td>1848</td>
<td>Jan 18</td>
<td>Steamboat Yalobusha</td>
<td>Burns, Donaldsonville, LA</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>1864</td>
<td>Jun 08</td>
<td>Fire Steamboat Berkshire, Hudson River, Esopus Island, NY</td>
<td>-</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
<td>1841</td>
<td>Aug 18</td>
<td>Fire, Pier 27, spreads to Freighter Panuco, burns/sinks, Brooklyn NY</td>
<td>-</td>
<td>-</td>
<td>34-35</td>
</tr>
<tr>
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<td>May 14</td>
<td>Collis./Fire USS Valcour &amp; Thomas Tracy off Cape Henry VA</td>
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</tr>
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<td>-</td>
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</tr>
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<td>-</td>
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</tr>
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<td>35</td>
</tr>
<tr>
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<td>Fire Steamboat Berkshire, Hudson River, Esopus Island, NY</td>
<td>-</td>
<td>-</td>
<td>35</td>
</tr>
<tr>
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<td>Aug 18</td>
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<td>-</td>
<td>-</td>
<td>34-35</td>
</tr>
</tbody>
</table>

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2091 There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.
2092 Cross-listed in Grounding in that sources note grounding as cause of loss, fire as cause of loss, and grounding followed by fire as cause of loss.
2093 Cross-listed in Fires.
80. 1920 -- Nov 18, Motorboat fire, Lumbermen drownings, Chesuncook Lake, ME  --  16
81. 1930 -- Apr 24, Long Island Sound Freighter Thames Burns, ~Captains Island, CT  --  16
82. 1909 -- Dec 8, Steamer Clarion Fire, Lifeboat Loss, Lake Erie, SE Shoal Light  --  15
83. 1919 -- May 23, Steamer Virginia Fire ~Potomac Riv. mouth, Chesapeake Bay, MD  --  6-15
84. 1854 -- Oct 06, Steamer Princess Burns, Mississippi River, Fort Adams, MS  --  14
85. 1868 -- Oct 06, Propeller Perseverance Burns, Lake Ontario off Pultneyville, NY  --  14
86. 1904 -- Feb 27, Fire/Drowning, Steamship Queen, off Coast of OR  --  14
87. 1884 -- Apr 3, Rebecca Everingham fire, Chattahoochee Riv., Fitzgerald Landing, GA--  13
88. 1844 -- Jun 19, Sidewheel Steamer Palestine Fire and Drownings, MS Ri., ~Cairo, IL --  12
89. 1852 -- Apr 11, Pocahontas Fire, Miss. River, Island No. 78, Choctaw Bend, AR  --  10-12
90. 1866 -- Jan 09, Steamer Asher Ayres Burns, Altamaha River, Darien, GA  --  6-12
91. 1867 -- Mar 03, Propeller steamer Andalusia Fire and Drownings, off Hatteras, NC  --  12
92. 1887 -- Dec 20, Str. San Vicente, SF to Santa Cruz, Burns off Point New Year, CA  --  12
93. 1927 -- Apr 08, Gloucester, MA fishing schooner Commonwealth burns, N.S. coast  --  12

MARITIME Disasters -- FIRE Subset – By MORTALITY (continued)

94. 1867 -- Nov 17, Steamboat Onward burns, Alabama River, Bells Ledge, AL  --  11
95. 1888 -- Jan 09, Ship John T. Berry, Philadelphia, Pa. to Japan, Burns at Sea  --  11
96. 1852 -- Jan 14, Steamer Martha Washington Burns, MS Riv., Island #65 ~Jackson Pt. --  5-10
97. 1906 -- Apr 13, Battleship USS Kearsarge Turret Powder Fire off Cape Cruz Cuba  --  10
98. 1912 -- Feb 29, Steamer J.E. Trudeau Burns, Belle River, LA  --  10
99. 1924 -- July 05, Three Rivers Fire, Chesapeake Bay, off Cove Point, MD  --  10
100. 1945 -- Jan 02, Fire/Explosion, Sun Oil Tanker Sunoco, off Sandy Hook, NJ  --  10
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1915</td>
<td>July 24</td>
<td><strong>Eastland</strong> Passenger Ship overloaded, Capsizes, Chicago, IL</td>
<td>--812-852</td>
<td></td>
</tr>
<tr>
<td>1919</td>
<td>Nov 7-9</td>
<td><strong>Baltimore</strong> MD Steamer <strong>Polar Land</strong> founders off Scatarie Isl. NS</td>
<td>-- 51</td>
<td></td>
</tr>
<tr>
<td>1916</td>
<td>May 09</td>
<td>Steamer <strong>Roanoke</strong> Founders, off Point Buchon, CA</td>
<td>--45-47</td>
<td></td>
</tr>
<tr>
<td>1903</td>
<td>Oct 22</td>
<td>Steam Screw Freighter <strong>Milwaukee</strong> Founders, Lake Michigan</td>
<td>-- 46</td>
<td></td>
</tr>
<tr>
<td>1894</td>
<td>Jun 14</td>
<td>Steam Tug <strong>James D. Nicol</strong> Overloaded, Founders, Sandy Hook, NJ</td>
<td>--35-42</td>
<td></td>
</tr>
<tr>
<td>1943</td>
<td>Jun 12</td>
<td>U.S. Navy Submarine R-12 Sinks Accidentally, Lower FL Keys</td>
<td>-- 42</td>
<td></td>
</tr>
<tr>
<td>1875</td>
<td>Nov 18</td>
<td><strong>Sunshine</strong> Strands, Columbia mouth, near Cape Foul-Weather OR</td>
<td>-- 20-40</td>
<td></td>
</tr>
<tr>
<td>1967</td>
<td>Oct 09</td>
<td>SS <strong>Panoceanic Faith</strong> (homeport NY) Founders, North Pacific</td>
<td>--36</td>
<td></td>
</tr>
<tr>
<td>1941</td>
<td>June 19</td>
<td><strong>USS 0-9 (SS-70)</strong> Lost, Deep Submerge. Test off Isle of Shoals, NH</td>
<td>-- 33</td>
<td></td>
</tr>
<tr>
<td>2015</td>
<td>Oct 1</td>
<td>U.S. cargo ship <strong>El Faro</strong> sinks / Hurricane Joaquin, off east Bahamas</td>
<td>--33</td>
<td></td>
</tr>
<tr>
<td>1948</td>
<td>May 31</td>
<td>USN Carrier <strong>Kearsarge</strong> Launch Swamped, Hampton Roads, VA</td>
<td>-- 30-32</td>
<td></td>
</tr>
<tr>
<td>1914</td>
<td>Jan 4</td>
<td>Steamer <strong>Oklahoma</strong> breaks-up/sinks/rough sea, off Sandy Hook, NJ</td>
<td>--26-32</td>
<td></td>
</tr>
<tr>
<td>1910</td>
<td>Sep 9</td>
<td><strong>Pere Marquette 18</strong> springs leak/sinks, Lake MI, 20M off Sheboygan WI</td>
<td>-- 29-31</td>
<td></td>
</tr>
<tr>
<td>1910</td>
<td>Oct 1</td>
<td>Battleship <strong>New Hampshire</strong> Launch Capsizes, Hudson River, NY</td>
<td>-- 23-31</td>
<td></td>
</tr>
<tr>
<td>1917</td>
<td>Sep 3</td>
<td>Bark <strong>Alice Knowles</strong> Founders 200 miles Northeast of Bermuda</td>
<td>-- 31</td>
<td></td>
</tr>
<tr>
<td>1983</td>
<td>Feb 12</td>
<td>Gale, collier <strong>Marine Electric</strong> (34 crew) capsizes/sinks off Chincoteague, VA</td>
<td>--31</td>
<td></td>
</tr>
<tr>
<td>1937</td>
<td>Jan 30</td>
<td>WPA Worker Barge Sinks, Birds Pt./New Madrid Spillway, MO</td>
<td>-- 26-30</td>
<td></td>
</tr>
<tr>
<td>1924</td>
<td>Sep 22</td>
<td>Steamer <strong>Clifton</strong> Lost, Lake Huron, off Coast of MI</td>
<td>-- 28</td>
<td></td>
</tr>
<tr>
<td>1939</td>
<td>May 23</td>
<td>Submarine <strong>The Squalus</strong>, Sinks 16 miles off Portsmouth, NH</td>
<td>-- 26-27</td>
<td></td>
</tr>
<tr>
<td>1909</td>
<td>May 18</td>
<td>Drownings, overloaded Launch Sinks, Ohio River, ~Schoenville, PA</td>
<td>-- 20-26</td>
<td></td>
</tr>
<tr>
<td>1842</td>
<td>May 06</td>
<td>Sail boat <strong>Polka</strong> tips/Sinks, off Thompson’s Island, Mass Bay, MA</td>
<td>-- 25</td>
<td></td>
</tr>
<tr>
<td>1851</td>
<td>Dec 09</td>
<td>Steamboat <strong>Clermont</strong> sinks (unknown cause), White River, AR</td>
<td>-- 20-23</td>
<td></td>
</tr>
<tr>
<td>1859</td>
<td>Oct 16</td>
<td>Propeller <strong>Troy</strong> Founders, Lake Huron Storm, Point aux Barques, MI</td>
<td>-- 23</td>
<td></td>
</tr>
<tr>
<td>1925</td>
<td>May 8</td>
<td>US Steamer <strong>M.E. Norman</strong> Capsizes/Sinks, MS Riv., Coahoma, MS</td>
<td>-- 23</td>
<td></td>
</tr>
<tr>
<td>1885</td>
<td>May 5</td>
<td>New Bedford, MA Whaling Bark <strong>Napoleon</strong> Sunk by Ice, Bering Sea</td>
<td>-- 22</td>
<td></td>
</tr>
<tr>
<td>1909</td>
<td>July 18</td>
<td>Sloop <strong>Roxana</strong> Capsizes, and other Drownings, N. Y. Bay</td>
<td>--19-22</td>
<td></td>
</tr>
<tr>
<td>1913</td>
<td>May 02</td>
<td>Steamship <strong>Concordia</strong> Founders, Tensas River, for Natchez, MS</td>
<td>-- 22</td>
<td></td>
</tr>
<tr>
<td>1919</td>
<td>Nov 11</td>
<td><strong>John Owen</strong> Founders, Lake Superior, Out of Duluth, MN</td>
<td>-- 22</td>
<td></td>
</tr>
<tr>
<td>1852</td>
<td>Aug 22</td>
<td>Overcrowded Ferryboat Capsizes, Hudson River, Albany, NY</td>
<td>--10-20</td>
<td></td>
</tr>
<tr>
<td>1863</td>
<td>Oct</td>
<td>Steam Screw <strong>Water Witch</strong> Founders, Saginaw Bay, MI</td>
<td>-- 20</td>
<td></td>
</tr>
<tr>
<td>1899</td>
<td>Jan 14/15</td>
<td>Sailing Ship <strong>Andelana</strong> sinks while moored at Tacoma, WA</td>
<td>--17-20</td>
<td></td>
</tr>
</tbody>
</table>

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2094 Cross-listed in Hurricanes and in Maritime-Storms. 28 U.S. nationals and 5 Polish nationals were onboard.
2095 We include two fatalities from the **Pere Marquette 17** while trying to perform rescues.
2096 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Location</th>
<th>Outcome</th>
</tr>
</thead>
<tbody>
<tr>
<td>1905</td>
<td>Aug 28, Steamship Peconic Founders</td>
<td>Off Northeast Coast of FL</td>
<td>-- 20</td>
</tr>
<tr>
<td>1918</td>
<td>Sep 17, Storm, Cal. Steamer San Gabriel Founders</td>
<td>Off Cape Lucas, Mexico</td>
<td>-- 20</td>
</tr>
<tr>
<td>1942</td>
<td>Dec 31, Maiden Creek Founders and Sinks</td>
<td>Off S. Long Island, NY</td>
<td>-- 20</td>
</tr>
<tr>
<td>1953</td>
<td>Sep 02, Military Pontoon Raft Capsizes</td>
<td>In lake, Fort Bragg, NC</td>
<td>-- 20</td>
</tr>
<tr>
<td>2005</td>
<td>Oct 02, Ethan Allen tour boat</td>
<td>Capsizes, Lake George, near Cramer Point, NY</td>
<td>-- 20</td>
</tr>
<tr>
<td>1883</td>
<td>Jan 2, Cowe Tunnel Convict Boat Capsizes</td>
<td>Tuckasegee River, Western NC</td>
<td>-- 19</td>
</tr>
<tr>
<td>1903</td>
<td>Mar 07, Ferryboat Capsizes</td>
<td>Hudson River, Spier Falls, NY</td>
<td>-- 19</td>
</tr>
<tr>
<td>1905</td>
<td>Nov 28, Ira H. Owen Founders</td>
<td>Lake Sup., Storm, Outer Is., Apostles, WI</td>
<td>-- 19</td>
</tr>
<tr>
<td>1913</td>
<td>Apr 06, Grounded Barque Mimi Capsizes</td>
<td>During Salvage, Nehalem Spit, OR</td>
<td>-- 19</td>
</tr>
<tr>
<td>1918</td>
<td>Dec 19, Standard Oil Tanker George Loomis</td>
<td>Founders ~Blunts Reef Light CA</td>
<td>-- 18</td>
</tr>
<tr>
<td>1930</td>
<td>Nov 8, Lumber Schooner Brooklyn</td>
<td>Founders, Humboldt Bar, Eureka, CA</td>
<td>-- 18</td>
</tr>
<tr>
<td>1943</td>
<td>Feb 20, USN Minesweeper YMS-133 Capsizes</td>
<td>Off Coos Bay, OR</td>
<td>-- 18</td>
</tr>
<tr>
<td>1962</td>
<td>Aug 18, Overloaded Sunday School boat</td>
<td>Capsizes, Lake Talquin</td>
<td>-- 18</td>
</tr>
<tr>
<td>1893</td>
<td>Aug 24, Storm, Tugboat Panther Sinks</td>
<td>SE Coast Long Island, NY</td>
<td>-- 17</td>
</tr>
<tr>
<td>1899</td>
<td>Apr 21, Steamer General Whitney Founders</td>
<td>Off St. Augustine, FL</td>
<td>-- 17</td>
</tr>
<tr>
<td>2018</td>
<td>July 19, Duck Boat sinks in storm</td>
<td>Table Rock Lake, near Branson, MO</td>
<td>-- 17</td>
</tr>
<tr>
<td>1863</td>
<td>Dec 13, Steamer Quincy Founders</td>
<td>Cape Hatteras, NC</td>
<td>-- 16</td>
</tr>
<tr>
<td>1919</td>
<td>Nov 22, Steamer Myron &amp; Barge Miztec</td>
<td>Founder off Whitefish Point, MI</td>
<td>-- 16</td>
</tr>
<tr>
<td>1973</td>
<td>May 19, Fishing Boat Comet Founders</td>
<td>Off Point Judith, RI</td>
<td>-- 16</td>
</tr>
<tr>
<td>1880</td>
<td>Apr 27, Schooner Olivia Schulze Founders</td>
<td>~mouth of Sinslaw River, OR</td>
<td>-- 15</td>
</tr>
<tr>
<td>1915</td>
<td>Apr 03, Steamer Edward Luckenbach Founders</td>
<td>False Capes, VA</td>
<td>-- 15</td>
</tr>
<tr>
<td>1930</td>
<td>July 29, Sandsucker George J. Whelan Capsizes/Sinks</td>
<td>Off Dunkirk, NY</td>
<td>-- 15</td>
</tr>
<tr>
<td>1942</td>
<td>Dec 2, Navy boat capsizes</td>
<td>(shore-leave sailors); Narragansett Bay ~Jamestown, RI</td>
<td>-- 15</td>
</tr>
<tr>
<td>2001</td>
<td>April 1-2, fishing boat Arctic Rose</td>
<td>Homeport Seattle, WA</td>
<td>Sinks, Bering Sea</td>
</tr>
<tr>
<td>1841</td>
<td>Nov, Pilot Boat &amp; boat from William Gaston</td>
<td>Capsize, Indian River Bar, FL</td>
<td>-- 14</td>
</tr>
<tr>
<td>1902</td>
<td>July 17, Sudden Squall, Excursion Party Boat Capsizes</td>
<td>~Appledore Is., ME</td>
<td>-- 14</td>
</tr>
<tr>
<td>1909</td>
<td>Dec 26, Schooner Davis Palmer Founders</td>
<td>Off Boston Harbor, MA</td>
<td>-- 14</td>
</tr>
<tr>
<td>1930</td>
<td>Jan 28, Edgar F. Coney Sinks/Storm</td>
<td>Gulf of Mex. ~70m off Sabine Pass, TX</td>
<td>-- 14</td>
</tr>
<tr>
<td>1937</td>
<td>Jan 26, Rescue Barge Capsizes</td>
<td>During Ohio Flooding, Paducah, KY</td>
<td>-- 14</td>
</tr>
<tr>
<td>1983</td>
<td>Feb 14, Crab boats Altair &amp; Americus capsizes, Altair sinks</td>
<td>Bering Sea</td>
<td>-- 14</td>
</tr>
<tr>
<td>1874</td>
<td>Apr 15, Tow Boat Capsizes, Mississippi River</td>
<td>Below New Orleans, LA</td>
<td>-- 13</td>
</tr>
<tr>
<td>1902</td>
<td>Feb 02, Belle of Oregon, Antelope, Mystic Bell lost</td>
<td>Near Fire Is., NY</td>
<td>-- 13</td>
</tr>
<tr>
<td>1919</td>
<td>Dec 26, Schooner Eleanor A. Percy Founders</td>
<td>Of coast of Ireland</td>
<td>-- 13</td>
</tr>
<tr>
<td>1999</td>
<td>May 01, Sinking, Miss Majestic</td>
<td>Off St. John’s Island, Lake Hamilton, AR</td>
<td>-- 13</td>
</tr>
<tr>
<td>1902</td>
<td>Mar 17, Monomoy Station Lifeboat Capsizes</td>
<td>Off Chatham, MA</td>
<td>-- 12</td>
</tr>
<tr>
<td>1907</td>
<td>Apr 13, Steamer Arcadia Founders</td>
<td>Lake Michigan, Big Sable, MI</td>
<td>-- 12</td>
</tr>
<tr>
<td>1936</td>
<td>June 19, Outboard Motor Boat Capsizes</td>
<td>Children Drown, Lake Gardner, ME</td>
<td>-- 12</td>
</tr>
<tr>
<td>1939</td>
<td>--</td>
<td>Salmon boat Oduna sinks off Noyes Island, AK</td>
<td>-- 12</td>
</tr>
<tr>
<td>1822</td>
<td>Oct 27, Ship Savannah Grounds and Breaks</td>
<td>-up ~Fire Island, Long Island, NY</td>
<td>-- 11</td>
</tr>
<tr>
<td>1886</td>
<td>Mar 16, storm, Beda, Columbia Ri. to SF CA</td>
<td>Founders ~Cape Perpetua OR</td>
<td>-- 11</td>
</tr>
<tr>
<td>1905</td>
<td>July 7, Drownings, at Log Jam, Chippewa River</td>
<td>Little Falls Dam, WI</td>
<td>-- 11</td>
</tr>
<tr>
<td>1908</td>
<td>Feb 14, Ship Emily Reed</td>
<td>Grounds, Nehalem Beach, OR</td>
<td>-- 11</td>
</tr>
</tbody>
</table>

Cross-listed in Maritime subset -- Storms.

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2097 Cross-listed in Maritime subset -- Storms.
83. 1908 -- Apr 26, *Miriam* hit by “Cyclone,” Capsizes, Miss. River, ~Hardins Point, AR
84. 1909 -- Aug 18, Gloucester, MA Schooner *Orinoco* capsizes, Sambro, Nova Scotia
85. 1919 -- July 25, Springfield Boys’ Club Boat Capsizes, Big Pond, East Otis, MA
86. 1921 -- Oct 30, Two Hilton Fishing Co. Boats Capsize, off Anglesea, NJ
87. 1927 -- July 08, Boat with Miss. River Flood Evacuees Overturns, Port Barre, LA
88. 1944 -- Mar 16, Assault Boat Cap., Trng. Drownings, Lakewood, ~Camp Robinson, AR
89. 1959 -- Nov 27, Capsizing, MV National Pride, off Coast of TX, near Galveston
90. 2003 -- June 14, *Taki-Tooo* fishing charter capsizes crossing bar, Tillamook Bay Inlet, OR

**MARITIME Disasters -- FOUNDERING/Sinking/Capsizing** Subset (except storms) – cont.

91. 1848 -- Apr 18 Schooner *Tribune* Missing Lake MI., found off Cathead Point, MI
92. 1851 -- ~Nov-Dec, Fishing Schooner *Franklin Dexter* Capsizes, Pollock Rip, MA
93. 1864 -- Nov 08, *Mojave* Sinks, mid Lake MI betw. Sheboygan WI, Big Sable Pt. MI
94. 1876 -- Apr 8, Gloucester, MA Fishing Schooner *Henrietta Greenleaf* Capsizes, ~GB
95. 1884 -- Jan 23, Raft upset/drownings, Upper Cumberland River, near Carthage, TN
96. 1899 -- Mar 07, Steamer *James Bowen* Founders off Hog Island, VA
97. 1902 -- Dec 05, Schooner *Wesley M. Oler* Founders off Hatteras Inlet, NC
98. 1910 -- Jan 22, Schooner *Henry B. Fiske of Boston*, Capsizes off Nantucket, MA
99. 1911 -- Aug 26, Schooner *Margaret A. May* Founders, Kiawah Island, SC
100. 1912 -- Dec 15, Schooner *S.O. Co. No. 87* Founders, Gulf of Mexico
101. 1913 -- Jun 28, Raft Ferry Sinks, Drownings, Kiskiminetas River, near Leechburg, PA
102. 1913 -- Dec 26, Barges *A.G. Ropes & Undaunted* Founder, off Barnegat NJ
103. 1915 -- Apr 5, Gale, Schooner *John B. Manning* found bottom-up 20m N, Hatteras NC
104. 1923 -- Apr 6, Steamer *John Dwight* sinks, suspected rum runner, Vineyard Sound, MA
105. 1942 -- Jan 08, Army Boat *General Richard Arnold* Sinks off Isles of Shoals, NH
106. 1943 -- Apr 19, Cabin Cruiser *Legionnaire* Sinks, South Bay, off Long Island, NY
107. 1987 -- Feb 5, Fishing vessel *Fish-n-Fool* (LA, CA) capsizes ~Isla De San Martin, MX

**Other:**
1908 -- Sep 1, Drownings, Sloop Capsizes in Squall, Penobscot Bay off Deer Isle, ME

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2098 One theory is that the ship was intentionally scuttled.
### Maritime -- GROUNDING/Stranding (Bars, Reefs, Rocks, Shore) Subset

2. 1865 -- July 30, Storm, *Brother Jonathan* Grounds & Sinks off Crescent City, CA -- 146-225
3. 1785 -- Sep 02, Immigrant Ship *Faithful Steward* Sinks, Coast of DE 2100 -- >200
4. 1853 -- Feb 16, Steamer *Independence* Hits rock/sinks, Margarita Island, Lower CA -- 146-225
5. 1901 -- Feb 22, *City of Rio de Janeiro* Grounds/Sinks, Fog, Fort Point, SF Bay CA 2101 -- ~140
6. 1906 -- Jan 22, Storm, *Valencia* Grounds/Sinks south side Vancouver Island, BC -- 117-136
7. 1705 -- Dec 19-21, Privateer *Castle Del Rey*, Grounds/Breaks-up, Sandy Hook, NJ -- 132
8. 1837 -- Jan 2, Barque *Mexico* Grounds, Hempstead Beach, So. Shore Long Island, NY -- 116
9. 1908 -- Sep 20, Ship *Star of Bengal* Grounds, Coronation Island, AK -- 112
10. 1884 -- Jan 18, *City of Columbus* hits Devil’s Bridge reef, ~Martha’s Vineyard, MA -- 97-103
11. 1778 -- Dec 26-27, Blizzard, New Eng., esp. MA and RI, brig *Arnold*, sloop *Stark* -- 101
12. 1700 -- Sep 14, Hurricane, *Rising Sun* wrecked, Ashley River bar, Charleston, SC 2102 -- ~100
13. 1919 -- Aug 06, Steamer *Alaska* Grounds off Blunts Reef, CA -- 42
16. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Island, BC -- 49
17. 1865 -- Dec 26-27, Fog, Steamer *Constitution* Grounds, Cape Lookout shoals, NC -- 30-48
18. 1852 -- Jan 31, Steamer *General Warren* Grounds/wrecks, Columbia River Bar, OR -- 40-42
20. 1860 -- Jan 5, Steamer *Northerner* hits rock off Centerville Beach, S of Humboldt Bay CA -- 33-38
21. 1919 -- Dec 18, Steamer *J.A. Chanslor* Hits Rocks, Wrecks, off Cape Blanco, OR -- 38
23. 1913 -- Jan 07, Stm. *Rosecrans* Grounds, mouth Columbia Riv., Peacock Spit, OR -- 30-36
25. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Island, BC -- 49
26. 1865 -- Dec 26-27, Fog, Steamer *Constitution* Grounds, Cape Lookout shoals, NC -- 30-48
27. 1852 -- Jan 31, Steamer *General Warren* Grounds/wrecks, Columbia River Bar, OR -- 40-42
28. 1921 -- Aug 06, Steamer *Alaska* Grounds off Blunts Reef, CA -- 42
29. 1846 -- Feb 14/15, Winter Snow Storm, *John Minturn* & other boats ground/wreck, NJ -- 50-60
33. 1919 -- Dec 18, Steamer *J.A. Chanslor* Hits Rocks, Wrecks, off Cape Blanco, OR -- 38
34. 1853 -- May 15, US (Baltimore built) *Monumental City* grounds, Tullaberga Is. Aus. -- 32-37
35. 1913 -- Jan 07, Stm. *Rosecrans* Grounds, mouth Columbia Riv., Peacock Spit, OR -- 30-36
36. 1825 -- Jan 31, Steamer *General Warren* Grounds/wrecks, Columbia River Bar, OR -- 40-42
37. 1921 -- Aug 06, Steamer *Alaska* Grounds off Blunts Reef, CA -- 42
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42. 1919 -- Dec 18, Steamer *J.A. Chanslor* Hits Rocks, Wrecks, off Cape Blanco, OR -- 38
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47. 1853 -- May 15, US (Baltimore built) *Monumental City* grounds, Tullaberga Is. Aus. -- 32-37
49. 1853 -- May 15, US (Baltimore built) *Monumental City* grounds, Tullaberga Is. Aus. -- 32-37

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2099 Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.
2100 Cross-listed in Maritime.
2101 Cross listed in Fog as Contributing Factor.
2102 Cross-listed in Hurricanes.
2103 Part of Canadian Graham Island group just south of southern point of Alaska’s Alexander Archipelago.
2104 Cross-listed in Fog as a Contributing Condition.
2105 Cross-listed in Fire in that sources note grounding as cause of loss, fire as cause of loss, and grounding followed by fire as cause of loss.
2106 Cross listed in Fog as a Contributing Condition.
36. 1877 -- Nov 20, U.S. Schooner *George Washington* Strands, Mistaken Point, NFLD -- 25
37. 1894 -- May 11, Amer. Whaling Bark *James Allen* hits rock/sinks, Amlia Isl., AK -- 25
38. 1910 -- Jan 12, Steamer *Czarina*, Grounds on Coos Bay Bar, Oregon -- 24
39. 1868 -- Jun ~15, British Bark *Istria* Wrecks, Diamond Shoals, off Cape Hatteras, NC -- 23
40. 1869 -- Jan 11, Steamer *Gulf City* Grounds and Breaks-up, Cape Lookout, NC -- 22-23
41. 1914 -- Nov 23, Steamer *Hanalei*, Grounds, Duxbury Reef ~ San Francisco, CA -- 23
42. 1923 -- Sep 08, 7 US Navy Ships Run Aground, Fog, Honda Point CA -- 23

**MARITIME Disasters – GROUNDING Subset -- By MORTALITY (continued)**

43. 1864 -- Feb 22, Steamship *Bohemian* wrecks, Alden’s Rock, off Richmond Isl., ME -- 19-20
44. 1891 -- Feb 21, Ship *Elizabeth*, NYC to SF, Grounds, Tenn. Cove, Marin Ct. CA -- 17-20
45. 1892 -- Feb 02, SF, CA Whaling Bark *Tamerlane*, Strands, Puna Island, HI -- 19
46. 1903 -- Jan 02, Bark *Prince Arthur*, Grounds on Rocks off Coast of WA -- 18
47. 1876 -- Sep 17, Steamer *Rebecca Clyde*, Strands/Wrecks, 20m so. of Hatteras, NC -- 12-13
48. 1946 -- Feb 04, AK Steamship *Yukon* hits rock/sinks, off Johnstone Bay, SE of Seward, AK -- 11
49. 1883 -- Jan 29, Steam Collier *Tacoma* grounds off Umpqua, OR -- 10
50. 1908 -- Jan 08, Schooner *John F. Miller*, Grounds, Nelson Lagoon, AK -- 10
51. 1912 -- Mar 15, Gloucester MA Schooner *Patrician* founders, Jordan Bay, Nova Scotia-- 10

2107 There was a much larger loss of life, but we do not know the approximate 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.

2108 Cross-listed in Fog as a Contributing Condition

2109 Cross-listed in Fog as a Contributing Factor.
Notable Other:

1893 -- Aug 03, Steamer Rachel Sinks, Lake George, ~Fourteen Mile Island Hotel, NY -- 9
1. 1829-30, Brig Kamehameha lost, Honolulu HI, Dec 2, for Eromango island --250--300
2. 1800 -- Sep 20 (after), USS Insurgent disappears after leaving Hampton Roads, VA -- 340
3. 1918 -- Mar 04, Last sighting of Collier USS Cyclops, off Barbados, Caribbean -- 306
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 ~Wales - 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, NF-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 8, Last sighting of Sloop-of-War USS Epervier, Lost, Atlantic Ocean -- 134
11. 1781 -- Mar 18, Gale, Continental Sloop Saratoga Lost off the Bahamas -- ~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. 1921 -- Oct 24, Last com. with Oil Tanker Santa Rita, New Orleans to Italy, Lost -- 35
15. 1915 -- Nov 03, Steamer Orteantan sails from NY, NY, not heard from again, Lost -- 36
16. 1916 -- Dec (late), Steamer Maryland Lost at Sea, North Atlantic -- 26
17. 1910 -- Oct 11-14, Steamship Arkadia Lost, from New Orleans, LA to San Juan, P.R. -- 37
18. 1887 -- Oct 18, Ship Alfred Watts, Philadelphia to Japan, Lost at Sea -- 25
19. 1885 -- Oct 12, Last sighting of Whaling Bark Amethyst of SF, CA on Arctic trip -- 40
20. 1913 -- Jan 25, Steamer El Dorado Lost, from Sparrow Point MD to Galveston, TX -- 39
21. 1907 -- Apr 2/3, Ship Arthur Sewall Lost at Sea after sailing from Philadelphia, PA -- 28
22. 1891 -- Dec, Steamship Matteawan lost off West Coast -- 33
23. 1921 -- Jul 17, Steamer C.W. Morse leaves NY, NY, not heard from again -- 25
24. 1919 -- Nov 19-Dec, Providence, RI Schooner T.W. Allan Founders, Bay of Fundy -- 26
25. 1886 -- Nov, Kodiak Schooner Flying Scud lost near Karluk, AK --16-24
26. 1888 -- Jan, Fishing Schooners William Parsons / Peter D. Smith lost, Gloucester MA -- 24

2110 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.
<table>
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<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
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<td>Gloucester, MA</td>
<td>Five Fishing Vessels</td>
<td>“Lost,” Voyage to Cape Sable</td>
<td>~20</td>
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<tr>
<td>1872</td>
<td>Mar</td>
<td>Gloucester, MA</td>
<td>Schooners</td>
<td>Matchless, Franklin Snow</td>
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<tr>
<td>1871</td>
<td>Feb</td>
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<td>Hiawatha &amp; E.L. Cook</td>
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<td>1907</td>
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<td>Protestant, Virginia</td>
<td>Last contact with Ship</td>
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<td>1929</td>
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<td>New London, CT</td>
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<td>1717</td>
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<td>Ship</td>
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<td>1858</td>
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<td>Schooner</td>
<td>Golden Fleece &amp; E.L. Cook</td>
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<td>1867</td>
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<td>Two Gloucester</td>
<td>Fishing Schooners</td>
<td>Lost on Georges Bank</td>
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<td>1871</td>
<td>Sep</td>
<td>Gloucester, MA</td>
<td>Fishing Schooners</td>
<td>Montrose &amp; Emporia</td>
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<tr>
<td>1890</td>
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<td>Fishing Sch.</td>
<td>William W. Rice</td>
<td>Lost, Iceland trip</td>
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<td>1894</td>
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<td>Fishing Schooners</td>
<td>Walter Scott &amp; Specie</td>
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<td>1899</td>
<td>Oct</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner</td>
<td>Hattie N. Reed</td>
<td>Lost at Sea</td>
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<tr>
<td>1902</td>
<td>Dec</td>
<td>Gloucester, MA</td>
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<td>Florence</td>
<td>Sailing from Tacoma, WA, with Buenos Aires, South America</td>
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<td>1913</td>
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<td>Steamer</td>
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<td>1923</td>
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<td>San Pedro, CA</td>
<td>Alta</td>
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<td>1850</td>
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<td>Walter Scott &amp; Specie</td>
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<td>1876</td>
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<td>Gloucester, MA</td>
<td>Fishing Schooner</td>
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<tr>
<td>1878</td>
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<td>Gloucester, MA</td>
<td>Fishing Schooner</td>
<td>Carrie P. Morton</td>
<td>Lost, Grand Bk.</td>
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<tr>
<td>Year</td>
<td>Event</td>
<td>Location</td>
<td>Details</td>
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<td>1878</td>
<td>Oct 20</td>
<td>Gloucester, MA</td>
<td>Last sighting of Fishing Schooner <em>Cunard</em> out of Gloucester, MA</td>
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<td>1879</td>
<td>Apr</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>William Thompson</em>, lost, Banks</td>
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<td>1879</td>
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<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Andrew Leighton</em> lost, LaHave Bank</td>
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<td>1879</td>
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<td>Gloucester, MA</td>
<td>Fish Sch. <em>N. H. Phillips</em>, Lost, Banqueueur Bank NS--13-14</td>
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<tr>
<td>1879</td>
<td>Dec</td>
<td>Gloucester, MA</td>
<td>Schooner <em>Mary D. Pomeroy</em>, Crescent City, CA to SF, CA, Lost</td>
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<tr>
<td>1879</td>
<td>Mar</td>
<td>Gloucester, MA</td>
<td>Sch. <em>Annie C. Norwood</em> lost, Caches’ Shoal, MA</td>
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<td>1879</td>
<td>Aug-Sep</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Guy Cunningham</em> lost Grand Banks</td>
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<td>1879</td>
<td>Dec</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Virginia Dare</em> lost, GB</td>
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<tr>
<td>1880</td>
<td>Jun-Jul</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Seth Stockbridge</em> lost, Greenland</td>
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<tr>
<td>1880</td>
<td>Aug-Sep</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>George L. Smith</em> lost GB trip</td>
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<td>Gloucester, MA</td>
<td>Fishing Sch. <em>N. H. Phillips</em>, Lost, Banquereau Bank NS--13-14</td>
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<td>Dec-Jan</td>
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<tr>
<td>1882</td>
<td>Jul-Aug</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Sylph</em> lost after leaving Pensacola, FL</td>
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<tr>
<td>1884</td>
<td>Jan</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Flight</em> lost, Georges Bank</td>
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<tr>
<td>1884</td>
<td>Jan</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Pharsalia</em> lost, Georges Banks</td>
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<tr>
<td>1885</td>
<td>Jan</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>J. C. Call</em> lost, Grand Banks</td>
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<tr>
<td>1885</td>
<td>Mar</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Sarah H. Cressy</em> lost, Grand Banks</td>
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<tr>
<td>1885</td>
<td>Mar</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>H.B. Stanwood</em> lost, Georges Bank</td>
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<tr>
<td>1885</td>
<td>Nov</td>
<td>Gloucester, MA</td>
<td>Fishing Schooner <em>Pharsalia</em> lost, Georges Banks</td>
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</tr>
</tbody>
</table>

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2112 On Fishing trip to the Grand Banks.

2113 I assume the *Fortune* and *Samuel Faunce* events refer to the same event and that one of the sources is wrong.
124. 1876 -- Sep, Gloucester, MA Fishing Schooner Walter M. Falt lost on Grand Banks
125. 1876 -- Dec, Gloucester, MA Fishing Schooner William T. Merchant lost, Grand Bk.
126. 1879 -- Apr, Gloucester, MA Fishing Schooner Ida (or Ada) E. Baker, Western Bank
127. 1881 -- Apr 15, Gloucester, MA Fishing Schooner Carrie S. Dagle lost, Western Bk.
128. 1887 -- Apr, Gloucester, MA Fishing Schooner Jamestown Lost, Western Bank
129. 1887 -- Nov-Dec, Gloucester, MA Fishing Schooner William Parsons, 2nd, lost, GB
130. 1887 -- Nov-Dec, Gloucester, MA Fishing Schooner Carleton Lost, Georges trip
131. 1888 -- Nov-Dec, Gloucester, MA Fishing Schooner Joseph O. lost, Georges Bank trip
132. 1891 -- Jan-Feb?, Gloucester, MA Fishing Schooner Veteran lost, Georges trip
133. 1891 -- Sep-Oct, Gloucester, MA Fishing Schooner Percy Lost, Georges Bank trip
134. 1893 -- Aug, Gloucester, MA Fishing Schooner Pioneer lost, Georges Bank trip
135. 1899 -- Feb 14~, Gloucester MA Schooner A.M. Burnham lost on Brown’s Bank
136. 1934 -- Jun 12, Tuna Clipper Belle Isle Sails from San Diego, CA, Lost at Sea

MARITIME Disasters -- LOST (not found) Subset – By MORTALITY (continued)

137. 1851 -- Fishing Schooner Hamilton Lost
138. 1870 -- Jan, Gloucester, MA Fishing Schooner Viking lost, on way to Grand Banks
139. 1873 -- Mar, Gloucester Fishing Schooner J. H. Orne lost on Georges Bank
140. 1876 -- ~Apr 4, Gloucester, MA Fishing Schooner Kearsarge Lost, Georges Bank
141. 1876 -- Apr-May, Gloucester, MA Fishing Schooner Janet Middleton Lost on GB
142. 1876 -- Dec, Gloucester, MA Fishing Schooner Howard Steele Lost, La Have Bank
143. 1876 -- Dec, Gloucester, MA Fishing Sch. Modena B. Jerauld Lost, La Have Bank
144. 1877 -- Jan, Gloucester, MA Fishing Schooner Mary Burnham lost, La Have Bank
145. 1895 -- Nov 23-Dec, Gloucester Fishing Schooner Falcon Lost, Georges Bank trip
146. 1896 -- Oct 14, NY Fishing Smack W.W. Story last seen off Absecon, NJ
147. 1909 -- Dec 24, Stm. Columbia Lost out of NYC, NY to Port au Prince Haiti
148. 1914 -- Oct 31, Schooner Lizzie Lee leaves New Bedford MA for Cape Verde, Is., Lost
149. 1915 -- ~Aug 22, Boston Schooner Maude Palmer Sinks, Gulf of Mexico
150. 1916 -- July 14, Ship Ramos Founders, from Philly PA to Cartagena, Columbia
151. 1955 -- Jan 13~, New Bedford MA Fisher Doris Gertrude Lost, New Eng. coast
152. 1962 -- Nov 15~, New Bedford, MA scalloper Midnight Sun lost, Georges Bank

153. 1843 -- Aug, Gloucester MA Fishing Schooner The Byron Lost, “South Channel”
154. 1851 -- Apr 10, Fishing Schooner Harvest Home of Newcastle, NH Lost
155. 1851 -- Oct, Gloucester, MA Schooner Princeton Lost, St. Lawrence Bay
156. 1853 -- Feb 16/26, Brig Vintage Sails, Salem, MA for West Coast of Africa, Lost
157. 1854 -- Mar 08, Schooner Robert Walsh lost off Cape Hatteras, NC
158. 1856 -- ~Aug 16, Ship Manila “Lost” off Timbalier Island, LA
159. 1868 -- June, Gloucester MA Fishing Schooner General Butler lost, Georges Bank
160. 1870 -- Jan 25, Gloucester, MA Fishing Schooner Weather Gage lost, Grand Banks
161. 1870 -- Mar, Gloucester MA Fishing Sch. William F. Pool lost on Georges Bank
162. 1870 -- Oct, Gloucester, MA Fishing Schooner Alatamaha lost, Georges Bank
164. 1876 -- Oct, Gloucester, MA Fishing Sch. Joseph F. Allen Lost on Western Bank
165. 1876 -- Dec, Gloucester, MA Fishing Schooner D. E. Woodbury lost, trip to GB
166. 1876 -- Dec, Gloucester, MA Fishing Schooner *John S. Tyler* lost, La Have Bank -- 10

**MARITIME Disasters -- ** LOST (not found) Subset -- **By MORTALITY** (continued)

167. 1876 -- Dec, Gloucester, MA Fishing Schooner *J.F. Huntress* lost, La Have Bank -- 10
168. 1876 -- Dec, Gloucester, MA Fishing Schooner *Wyoming* lost, La Have Bank -- 9-10
169. 1879 -- Oct-Dec, Gloucester MA Fishing Sch. *Harvey C. Mackay* lost, Grand Banks-- 10
170. 1880 -- Aug, Bark *Emma C. Litchfield*, St. Mary’s, GA to Buenos Aries lost at sea -- 10
171. 1883 -- Sep, Gloucester MA Schooner *Charles Hildreth* lost, trip to Georges Bank -- 10
172. 1885 -- Aug, Schooner *Washington*, Appalachicola, FL to NYC, Lost at Sea -- 10
173. 1886 -- Aug-Sep, Gloucester, MA Fishing Sch. *John F. Wonson* lost, Brown’s Bk. -- 10
174. 1887 -- Jul-Oct, Bark *Isabel*, Rockland, ME to Pensacola, FL, Lost at Sea -- 10
176. 1906 -- Jan 10, Bark *Nicholas Thayer* Lost from Seattle WA for Seward, AK -- 10
177. 1908 -- Jan-Feb, Gloucester Fishing Schooner *Northern Eagle*, lost, Gulf of Mex. -- 9-10
178. 1908 -- Jul 24, Bark *Auburndale* Lost from Turks Island (Carib.) to Philadelphia PA-- 10
179. 1909 -- Jan 25, Schooner *William C. Tanner* Lost, Rockport, MA to Key West, FL -- 10
180. 1911 -- Jan 21~, Gloucester Sch. *Ella M. Goodwin* departs Bay of Islands, NFL, lost-- 10
181. 1920 -- Feb 19, Schooner *Henry W. Cramp* Lost, Norfolk VA to Dominican Rep. -- 10
### Maritime Disasters – Offshore PLATFORMS Subset – By Mortality

2. 1964 -- Jun 30, Explosion/Fire, Drilling Barge *C.P. Baker*, Gulf of Mexico  -- 22
4. 1976 -- Apr 15, Oil Platform *Ocean Express* Capsizes, Storm, Gulf of Mex. off TX  -- 13
6. 2010 -- Apr 20, Drill Rig *Deepwater Horizon* Explosion, Gulf of Mex., ~50m, LA[^115] -- 11

### Maritime Disasters – Offshore PLATFORMS Subset – Chronological

2. 1964 -- Jun 30, Explosion/Fire, Drilling Barge *C.P. Baker*, Gulf of Mexico  -- 22
3. 1976 -- Apr 15, Oil Platform *Ocean Express* Capsizes, Storm, Gulf of Mex. off TX  -- 13
6. 2010 -- Apr 20, Drill Rig *Deepwater Horizon* Explosion, Gulf of Mex., ~50m, LA[^117] -- 11

[^114]: Sixty-eight Canadians, one Englishman, and fifteen Americans
[^115]: Cross-listed in Explosions.
[^116]: Sixty-eight Canadians, one Englishman, and fifteen Americans
[^117]: Cross-listed in Explosions.
Maritime – SNAGS and SAWYERS Subset – By Mortality

1. 1864 -- Jul 21, B.M. Runyan Snags/Sinks, MS River, Island 84, Gaines Landing, MS—50-150
2. 1851 -- Jan 27, Steamboat John Adams Snags/Sinks, Miss. Riv., ~Greenville, MS --100-130
3. 1844 -- Jan 03, Steamboat Shepherdess Snags/Sinks, 3M No of St. Louis, MO --57-100
4. 1867 -- Jan 18, Steamboat Platte Valley hits submerged wreck near Memphis, TN --60-100
5. 1854 -- Mar 09, Steamer John L. Avery Snags, Miss. River, Black Hawk Pt., LA --12-90
6. 1918 -- July 5, Fog, Steamer Columbia Snags/Sinks, IL Riv., Wesley City, Pekin, IL --87-89
7. 1845 -- Dec 18/19, Steamer Belle Zane Snags/Capsizes, Miss. River, Island No. 75 --30-76
8. 1862 -- Feb 27, Steamboat Prince Snags and Sinks, Miss. River, near Hickman, KY --74-75
9. 1844 -- Jan 03, Steamboat Shepherdess Snags/Sinks, 3M No of St. Louis, MO --57-100
10. 1862 -- Feb 23, Confederate Steamer Cambridge Snags, Grand Glaise, AR -- 42
11. 1842 -- Oct 8, S.B. Eliza Snags/Sinks, MS Ri. ~5m above mouth OH Ri, IL Shore --30-40
12. 1845 -- Dec 11, Steamboat Caspian Snags/Sinks, MS River, Island No. 25, AR -- 40
13. 1852 -- Jan 25, Steamboat De Witt Clinton Snags, near Memphis, TN --36-40
14. 1870 -- Dec 18, Nick Wall Snags/Sinks Miss. River, ~Napoleon, AR & Princeton, MS -- 39
15. 1841 -- Steamer Carolina snags, Mississippi River, Osceola, AR -- 34
16. 1848 -- Nov 21, Steamer Wyandotte Snags/Sinks, MS River, above Vicksburg MS -- 30
17. 1854 -- Mar 27, Steamer Monroe hits log/sinks, MS Ri., just north of Natchez, MS --17-30
18. 1865 -- Jun 9~, SS Kentucky snags/sinks, Red River, Tow Head Isl. ~Shreveport LA -- ≤30
19. 1901 -- May 12, City of Paducah snags/sinks, MS Ri., ~Brunckhorst Landing, IL --15-27
20. 1847 -- June 29, Steamboat Star Spangled Banner Snags, Baton Rouge, LA -- 20
21. 1883 -- Mar 04, Steamboat Yazoo Valley Snags/Sinks, Miss. River, ~Red Church, LA--16-19
22. 1854 -- Aug 02, Steamer Cape May Snags, Mt. Vernon, IN -- 18
23. 1860 -- May 09, Steamer R.F. Sass Snags, Miss. River, Clark’s Bar, ~Glover, MS -- 17
24. 1864 -- Oct 30, Union packet Universe snags/sinks, MS Riv., between Islands 35&36 -- 17
25. 1864 -- Nov ~5, Union transport James White, snags/sinks, MS River, Island #10, TN -- 16
26. 1919 -- July 04, Pleasure Steamer Reliance Snags and Sinks, Lake Madison, SD --15-16
27. 1840 -- Apr 25, Bedford Snags, mouth of MO Riv. ~Mobile Is. or Cora Is. Chute, MO-- 15
28. 1854 -- Jan 09, General Bem Snags, AR or MS Riv., Walnut Bend, AR or Grand Cutoff --10-15
29. 1857 -- Oct 15, Steamer Tropic snagged, Missouri River, near Waverly, MO -- 8-15
30. 1862 -- Nov 12, Steamer Eugene snags sunken wreck, MS Riv. Plum Point Bend, TN -- 15
31. 1864 -- Feb 17, Steamboat Orient Snags, upper Mississippi River, Commerce, MO -- 14
32. 1841 -- Aug 29, Steamboat Keokuk Snags, Miss. River, St. Genevieve Island, MO --11-13
33. 1896 -- Oct 20, Steamer Arago Snags/Sinks, Mouth of Coos Bay, OR -- 13
34. 1919 -- Apr 28 U.S. Navy Launch Hits Log, Capsizes, Hudson River, NY, NY -- 13
35. 1854 -- May 12, Steamer Pike Snags/Sinks, Big Eddy, Wilkinson’s Landing, MO --10-11
36. 1889 -- Jan 05, Steamer Paris C. Brown Snags and Sinks, Hermitage Landing, LA -- 8-11
1. 1944 -- Dec 18, Typhoon, 3 ships capsize, Navy Task Force 38, off Philippines -- ~790
2. 1898 -- Nov 26-27, Portland Gale/Nor’easter, Cape Cod, MA -- 500
3. 1857 -- Sep 11/12, Hurricane, Steamer Central America Founders off VA2118 400-427
4. 1907 -- Feb 11, Larchmont Steamship Hit/Sinks in Blizzard off Block Harbor RI 123-332
5. 1853 -- Dec 24-Jan 2, '54, Troopship San Francisco Stricken, Storm, off East Coast -- 150-300
6. 1854 -- Apr 16, Storm, Packet Ship Powhatan sinks off coast of NJ 250-311
7. 1854 -- Nov 13, Storm, US immigrant ship New Era Grounds, Deal Beach, NJ 240-300
8. 1866 -- Oct 03, Steamer Evening Star Founders, Storm, off Tybee Island, GA -- 247-261
9. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost2119 -- US 172-192 or 254-277
10. 1865 -- July 30, Storm, Brother Jonathan Grounds & Sinks off Crescent City, CA -- 146-225
11. 1944 -- Sep 13, Hurricane, USS Warrington Sinks off coast of FL2120 -- 248
12. 1800 -- ~Sep, Revenue Cutter Brig USS Pickering Lost, Gale/Hurricane off FL2122 70-105
13. 1877 -- Nov 24, Navy warship USS Huron Founders in Storm off Nags Head, NC 83-103
14. 1890 -- July 13, Severe Storm, Steamer Sea Wing Capsizes, Lake Pepin, MN -- 97-100
15. 1898 -- Nov 26-27, Storm, Sidewheel Steamer Portland Sinks, Cape Cod, MA 127-192
16. 1895 -- May 27, Storm, Colima (SF, CA) Founders off Manzanilla, Mexico -- 153
17. 1898 -- Feb 05, Storm, Clara Nevada Grounds/Explodes, ~Eldred Rock, AK -- 33-150
18. 1878 -- Jan 31, Steamer Metropolis Wrecks, gale, south of Jones Hill Station, NC 85-104
19. 1877 -- Nov 24, Navy warship USS Huron Founders in Storm off Nags Head, NC 83-103
20. 1880 -- Oct 15/17, Sidewheel Steamer Alpena Sinks, Lake MI Storm., ~Holland, MI--57-101
22. 1705 -- Dec 19-21, Privateer Castle Del Rey, Grounds/Breaks-up, Sandy Hook, NJ -- 132
23. 1893 -- Oct 1-2, Hurricane Cheriene Caminanda, Gulf Coast, LA, MS, AL2121 --123-127
24. 1888 -- Mar 11-14, East Coast “Blizzard of 1888,”2125 Maritime Loss component -- >100
25. 1883 -- Nov 12-14, Gales, nine Gloucester, MA Fishing Schooners lost, Georges Bank -- 122
26. 1700 -- Sep 14, Hurricane, Rising Sun wrecked, Ashley River bar, Charleston, SC2123 -- ~100
27. 1857 -- Nov 18, Storm, ~Twenty Coal Boats Sink, OH and MS Rivers ~Cairo IL -- ~100
28. 1890 -- July 13, Severe Storm, Steamer Sea Wing Capsizes, Lake Pepin, MN -- 97-100
29. 1899 – Sixty Native Alaskan Bidarka’s lost in storm, Hinchinbrook entrance, AK -- 200
30. 1919 -- Sep 9-10, Hurricane, Corydon, Grampus, Larimer, Lake Conway, Munisla lost-- 127
31. 1883 -- Nov 12-14, Gales, nine Gloucester, MA Fishing Schooners lost, Georges Bank -- 114
32. 1854 -- Nov 13, Storm, US immigrant ship New Era Grounds, Deal Beach, NJ 240-300
33. 1862 -- Feb 24, Blow of 1862, 15 Gloucester MA Boats Lost, Georges Bank -- 122
34. 1880 -- Oct 15/17, Sidewheel Steamer Alpena Sinks, Lake MI Storm., ~Holland, MI--57-101
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,”2125 Maritime Loss component -- >100
37. 1890 -- July 13, Severe Storm, Steamer Sea Wing Capsizes, Lake Pepin, MN -- 97-100
38. 1900 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome, AK2126 >100

2118 “…the steamship Central America, which had been contending for three days with a tremendous tempest off the shore of Virginia…” (New York Times, “The Loss of the Central America.” September 21, 1857)
2119 Cross-listed in Winter Storms (though technically late Fall, the storm itself was winter snow and wind storm).
2120 These fatalities are part of the 390 attributed to the “Great Atlantic Hurricane.”
2121 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.
2122 Cross-listed in Hurricanes.
2123 Cross-listed in Hurricanes.
2124 Cross-listed in Hurricanes.
2125 Cross-listed in Winter Storms – Nor’easters
34. 1850 -- Oct 06, Storm, Emigrant (Irish) Ship Saint John, Wrecks, Scituate, MA -- 99
35. 1915 -- Aug 14-15, United Fruit Co. steamer Marowijne sinks, Hurricane, Gulf of Mx.--87-98
36. 1839 -- Dec 15, Winter Gale, Maritime losses, MA coast/harbors, esp. Gloucester\textsuperscript{2127} --64-90
37. 1863 -- Aug 21, Hurricane, USS Bainbridge Capsizes, off Cape Hatteras, NC\textsuperscript{2128} --80-90

38. 1836 -- Nov 21/22, storm, U.S. ship Bristol Wrecks, Far Rockaway Beach, Long Isl., NY-64-89
39. 1778 -- Dec 25, Storm, Brig General Arnold Grounds, White Flats, Plymouth Bay MA -- 81

40. 1893 -- Oct 13-14, Great Lakes Storm, Dean Richmond, Wocoken, others, lost --65-73
41. 1870 -- Oct 20, Hurricane, Steamer Varuna Capsizes, 35M NE of Jupiter Inlet, FL\textsuperscript{2129}--36-72

42. 1882 -- Feb 5?, Gale, Gloucester Schs. Bellerophon, Carroll, Pew, Revere, Somes, GB-- 67
43. 1846 -- Sep 19, Gale, 11 Fishing Schooners Lost, out of Marblehead, MA -- 65
44. 1914 -- Sep 18, Storm, Steamer Francis H. Leggett Founders, off OR Coast -- 65
45. 1846 -- Feb 14/15, Winter Snow Storm, John Minturn & other boats ground/wreck, NJ-50-60

46. 1916 -- Oct 20-21, Merida, D.L. Flyer, James B. Colgate Sink, Storm, Lake Erie --54-59
47. 1856 -- Oct 24, Toledo Sinks, Lake Michigan Storm, off Port Washington, WI --30-55
49. 1856 -- Oct 29/30, Superior Grounds, Lake Sup. Stm., Pictured Rocks ~Cascade MI --34-54
50. 1878 -- Oct 21-24, Hurricane, Maritime Loses, NC, VA, MD, DE, PA, NJ, CT\textsuperscript{2130} -- 54
51. 1904 -- Jan 08, Storm, Steamer Clallam Sinks, Straits of San Juan de Fuca, WA -- 52
52. 1929 -- Oct 22, Rail Car Carrier Milwaukee Sinks, Lake MI Storm ~Kenosha, WI --46-52
53. 1840 -- May 7, Tornado, Steamboat Hinds sunk, Natchez, MS\textsuperscript{2131} -- 51
54. 1839 -- Dec 15, “Great Storm of 1839,” Massachusetts Bay, MA -- >50
55. 1856 -- Oct 29, Storm, Steamer Superior Grounds, Lake Superior -- 50
56. 1856 -- Nov 4, J.S. Brooks Founders, Stm., Lake Ont., ~Oswego & Sacket’s Harbor NY-- 50
57. 1887 -- Oct 29, Steamer Vernon Founders, Lake MI. Storm, off Sheboygan, WI --30-50
58. 1915 -- Aug 16-17, Dredgeboat Sam Houston Grounds, Hurricane, Highland, TX\textsuperscript{2132} -- 50
59. 1915 -- Apr 03, Storm, Steamer Prinz Maurits Lost off Cape Hatteras, NC -- 49
60. 1947 -- Nov 24, storm, Army transport Clarksdale Victory grounds, Hippa Island, BC\textsuperscript{2133} --49
61. 1944 -- Sep 14, Hurricane, USCG Cutters Bedloe & Jackson Sink off Hatteras, NC\textsuperscript{2134} -- 48

\textsuperscript{2126} 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.
\textsuperscript{2127} Cross-listed in Winter Storms.
\textsuperscript{2128} Cross-listed in Hurricanes.
\textsuperscript{2129} Cross-listed in Hurricanes.
\textsuperscript{2130} Land & Maritime losses cross-listed in Hurricane.
\textsuperscript{2131} Cross-listed in Tornado. 586 people estimated to have been killed due to this tornado.
\textsuperscript{2132} Cross-listed in Hurricanes as a subset. There were 275-352 total fatalities.
\textsuperscript{2133} Part of Canadian Graham Island group just south of southern point of Alaska’s Alexander Archipelago.
63. 1820 -- Mar 6, USN Chartered Schooner Quaker Sinks in Gale, Chesapeake Bay --41-46
64. 1952 -- Jan 09, SS Pennsylvania (Tacoma) Founders 665 miles off Cape Flattery, WA-- 46
65. 1846 -- Nov 27, Atlantic steam explos., Grounds, Reef, gale ~Fishers Island, NY -- 42
66. 1871 -- Apr 02, Gale, Gloucester, MA Schs. Lindberg, Pride, Murray, Hough lost -- 42
68. 1898 -- Mar 20/21, Bark Helen W. Almy capsizes in gale near Point Bonita, CA --40-41
69. 1878 -- Dec 10, Steamer Emily B. Souder Founders, Storm, off Cape Hatteras, NC --36-38
70. 1905 -- Mar 10, San Francisco Fishing Schr. Pearl Wreck Found, Unga Island AK --30-36
71. 1909 -- Dec 08, Ferry Marquette & Bessemer No. 2 Sinks, Lake Erie Storm --30-36
72. 1916 -- Dec 26, Storm, Steamer Orleanian Founders, Atlantic, out of NYC --36
73. 1887 -- Oct 02, Gale, Gloucester, MA Schs. Lindberg, Pride, Murray, Hough lost --42
74. 1920 -- Apr 18, Storm, Steamer William O’Brien, out of NYC Lost in Atlantic Ocean -- 40

**MARITIME Disasters – STORMS Subset -- Deadliest Amer. -- By MORTALITY (Cont.)**

75. 1886 -- Nov 15-18, Great Lakes Region Storm, Maritime Disaster -- 39
76. 1906 -- Nov 21-22, Great Lakes Storm, U.S. and Canadian losses (esp. maritime) --38-39
77. 1878 -- Dec 10, Steamer Emily B. Souder Founders, Storm, off Cape Hatteras, NC --36-38
78. 1900 -- Aug 7, Storm, Maritime Disaster, Nome and vicinity, AK -- 38
79. 1806 -- Aug 21-24, Hurricane, Carolinas coastal/maritime, Rose in Bloom upset, NJ 2136 --37
80. 1883 -- Nov 16, Gale, Steamer Manistee lost, Lake Superior, ~Keweenaw Pen., MI --25-37
81. 1889 -- Apr 06, Nor’easter, DE/MD/VA/NC, Chesapeake Bay, Many Vessels Lost --25-37
82. 1905 -- Mar 10, San Francisco Fishing Schr. Pearl Wreck Found, Unga Island AK --30-36
83. 1900 -- Aug 7, Storm, Maritime Disaster, Nome and vicinity, AK -- 38
84. 1806 -- Aug 21-24, Hurricane, Carolinas coastal/maritime, Rose in Bloom upset, NJ 2136 --37
85. 1887 -- Oct 29, Steamer Vernon “Wrecked,” Lake MI. Storm off Sheboygan, WI -- 36
86. 1905 -- Mar 10, San Francisco Fishing Schr. Pearl Wreck Found, Unga Island AK --30-36
87. 1909 -- Dec 08, Ferry Marquette & Bessemer No. 2 Sinks, Lake Erie Storm --30-36
88. 1916 -- Dec 26, Storm, Steamer Orleanian Founders, Atlantic, out of NYC --36
89. 1841 -- Feb 13, Steamer Lamplighter Disabled/Sinks, Storm, East Pass, FL --19-35
90. 1860 -- Feb, Gloucester Ma Sch. George Washington, Advance, Wonson, Relief lost -- 35
92. 1898 -- Jan 31-Feb 1, Storm, Maritime Fatalities, MA Coast, esp. Gloucester area --17-35
93. 1861 -- Feb, Gloucester MA Schrs. Sweepstakes, Young, Stanwood, White Swallow lost-- 34
94. 1863 -- Oct 28, Steamer Sunbeam Sinks, Lake Sup. Storm, ~Keweenaw Pt., MI --25-34
95. 1865 -- Oct 25, Steamer Republic (former USS Tennessee) Founders ~Savannah, GA -- 34
96. 1886 -- Jan 8-10, Gale, Coast of NJ, NY and New England, Maritime Losses -- 34
97. 1936 -- Jan 12, Steamer SS Iowa Grounds/Sinks, Heavy Sea, Peacock Spit, WA -- 34
98. 1940 -- Nov 11-12, Armistice Day Storm, Lake MI, Anna Minch, others lost, MI -- 34

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2134 These fatalities are part of the 390 attributed to the “Great Atlantic Hurricane.” Cross-listed in Hurricanes.
2135 Cross-listed under Hurricane.
2136 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.
2137 These fatalities are part of the 391 attributed to the “Great Atlantic Hurricane.”
99. 1861 -- Nov 21-24, Storm, Buffalo NY Steamer *Keystone State* Sinks, Lake Huron --20-33
100. 1910 -- Mar 15, Tug USS *Nina* Lost, presumably in Gale off Chesapeake Capes VA, --33
101. 1958 -- Nov 18, MI Freighter *Carl D. Bradley* Sinks in Lake MI Storm, MI -- 33
102. 2015 -- Oct 1, U.S. cargo ship *El Faro* sinks / Hurricane Joaquin, off east Bahamas --33

103. 1846 -- Dec 08, Storm, U.S. Naval Brig *Somers* Capsizes off Vera Cruz, Mexico --30-32
104. 1871 -- Oct 15, R.G. Coburn Sinks, Lake Huron Storm, ~Pointe aux Barques, MI -- 32
105. 1872 -- Dec, 26, Storm, bark *Kadosh* wrecked, ship *Peruvian* lost, MA coast -- 32
106. 1910 -- Feb 6-8, US Naval Tug *Nina* lost, Norfolk-Boston, gale, Fenwick Isl. Shoals, DE-31-32

108. 1824 -- Oct 28, Schooner USS *Wildcat* Founders, Gale, Cuba to Thompson’s Isl. W.I. --31
109. 1889 -- May 13, Storm, Steamer *Alaskan* Founders off Cape Blanco, OR --15-31
110. 1892 -- Sep 1, Storm, *Western Reserve* Sinks off Sable Banks, ~Deer Park, MI --26-31
111. 1983 -- Feb 12, gale, collier *Marine Electric* (34 crew) capsizes/sinks off Chincoteague, VA-31

112. 1856 -- Aug ~10, Steamer *Nautilus* Founders, Hurricane off LA Coast --20-30
113. 1903 -- Sep 15-17, Fishing Schooner *Beatrice* Lost north of Chincoteague, VA --30
114. 1916 -- June 5, Tornado, Packet-boat *Eleanore* Capsizes, MS River ~Memphis, TN--12-30
115. 1918 -- Feb 26, U.S. Naval Tug, *Cherokee*, Founders, Storm, Delaware Capes, DE -- 30

116. 1862 -- Jan 1, Stm., Gloucester Schooners *Cynisca*, *Life Boat*, *Ocean Traveller* lost -- 29
117. 1894 -- Dec, Pacific Storm, Steamer *Keweenaw* Lost, Pacific NW Coast -- 29
118. 1975 -- Nov 10, Storm, SS *Edmund Fitzgerald* Sinks, Lake S., Whitefish Bay, MI -- 29

119. 1876 -- Dec 30, Freighter *Circassian* Breaks-up in Storm, Mecox, Long Island, NY -- 28
120. 1879 -- Aug 18-19, Hurricane, CT, MA, ME, VA, Chesapeake Bay, At Sea --28
121. 1914 -- Nov 19, Storm, Steamer C.F. Curtis/two Barges Sink ~Grand Marais, MI --27-28
123. 1966 -- Nov 29, Daniel J. Morrell (Cleveland OH) Breaks-up/Sinks, Lake Huron Storm-28

124. 1861 -- Nov 2-3, Storm, Ship *Maritana* wrecks, Egg Rocks ~Boston Light, MA --24-27

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2138 Lowell Sun (MA) gives the date Feb 6, 1910 in “Shipping Disasters: Summary of the Accidents That Occurred Last Year,” March 21, 1910.
2139 Cross-listed in Hurricanes and in Maritime-Foundered. 28 U.S. nationals and 5 Polish nationals were onboard.
2140 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.”
2141 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.
2142 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.
2143 Cross-listed, as a subset of 57 total fatalities, in Hurricanes.
2144 Subset of Hurricane listing.
2145 Cross-listed in Hurricanes.
125. 1873 -- Sep 15, Storm, Steamship *Ironsides* sinks, Lake MI, near Grand Haven, MI -- 18-27
126. 1874 -- Jun 07, Storm, Boats Capsize, Drownings, Lakes Oneida & Onondaga NY -- 1-27
127. 1884 -- Dec 12, Storm, Oyster Boats Capsize, Men Drown, Rappahannock River VA-- 27
128. 1908 -- Nov 30/Dec 1, Storm, Steamer *D.M. Clemson* Sinks ~Whitefish Pt., MI -- 24-27
129. 1927 -- Jan 11, Storm, Collier *John Tracy* Sinks off Highland Light, Truro, MA -- 26-27
130. 1927 -- July 28, Passenger Vessel Favorite Sinks in Storm, Chicago IL -- 27

**MARITIME Disasters – STORMS Subset -- By MORTALITY (Cont.)**

131. 1849 -- Nov 9, Bath, ME ship *Hanover*, grounds, gale, mouth Kennebec River, ME -- 24-26
132. 1868 -- Sep 7, *Hippocampus* Grounds, Lake MI Storm, off St. Joseph, MI -- 26
133. 1875 -- Sep 10, Propeller *Equinox* Sinks, Storm, Lake Mich., ~Big Sable Point, MI -- 21-26
134. 1884 -- Feb 28, Gale, Gloucester MA Fishing Schooners *Magic* and *Phoenix* lost -- 26
136. 1895 -- Jan 21, Storm, Steamer *Chicora* Sinks, Lake MI, off South Haven, MI -- 24-26
137. 1905 -- Sep 2-3, *Iosco* & *Olive-Jeanette* sink, Lake Sup. storm, E of Keweenaw Pen., MI -- 26
138. 1907 -- Oct 11, Storm, Steamer *Cypress* Founders, Lake Sup., off Deer Park, MI -- 22-26
139. 1944 -- Sep 14, Hurricane, USCG Cutter *Bedloe* Sinks off Cape Hatteras, NC -- 26
140. 1798 -- Nov 17-21, New England Blizzard and Maritime Storm -- >25
141. 1839 -- Dec 22-23, Gale, Maritime losses (*Henry*, *Lloyd*, *Pocahontas*), NJ, esp. MA -- 24-25
142. 1888 -- Oct 03, Whaling Bark *Ohio* driven ashore near Point Hope, Chukchi Sea, AK -- 25
143. 1929 -- Sep 9/10, *Andaste* Sinks, Lakes Mich. Storm 14m west off Holland, MI -- 25

144. 1837 -- Apr, Severe Gale, Georges Bank, 3 Gloucester MA Fishing Boats Sink -- 24
145. 1860 -- Nov 24, Freight *Dacotah*, Grounds/Breaks, Lake Erie Storm, ~ Angola NY -- 24
146. 1882 -- Mar 17?, Gale, Gloucester MA Schooners *Northerner* and *Victor* lost, GB -- 24
147. 1883 -- Aug 29, Gale, Gloucester MA Schooners *Alaska* & *James Bliss* lost, GB -- 23-24
148. 1891 -- Feb 26, Gale, craft lost, lower James Ri. ~Warwick Ri. mouth, Newport News, VA -- 20-24
149. 1894 -- Sep 27, Ship *Ivanhoe* leaves Seattle for SF, lost in storm off WA/OR coast -- 23-24
150. 1901 -- Sep 16, Steamer *Hudson* Founders in Gale, L. Sup. ~8M off Eagle River, WI -- 24

151. 1814 -- Jun 30, Tornado Sinks Schooner USS *Alligator*, Port Royal Sound, SC -- 23
152. 1869 -- Sep 8, Hurr., Schrs. *Helen Eliza* Grounds (Peak’s Isl., ME), *Yankee Girl* lost -- 23
154. 1927 -- Aug 24~, Gloucester, MA Sch. *Columbia* Lost, Gale, off Sable Island, NS -- 23
155. 1878 -- Oct 12, Whaling Bark *Sarah* Capsizes in Gale, out of New Bedford, MA -- 22
156. 1886 -- Dec 14, Ship *Harvey Mills* founders, gale, Cape Flattery, WA -- 22

2146 These fatalities are part of the 409 attributed to the “Great Atlantic Hurricane.”
2147 There was a much larger loss of life, but we do not know the approximate 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.
2148 Cross-listed in Tornadoes.
2149 Cross-listed in Hurricanes.
158. 1914 -- Apr 28, Storm, Steamer *Benj. Noble* Founders, Lake Sup., ~Knife Isl. MN --16-22
159. 1920 -- Jan 26, Steamer *Mieler* Sinks in Storm off Coast of FL -- 22
160. 1942 -- Dec 3, *Cleveco* Tanker/Barge Sinks, Lake Erie Blizzard 6m no. Euclid, OH -- 22
161. 1944 -- Sep 14, Hurricane, USCG Cutter *Jackson* Sinks off Cape Hatteras, NC²¹⁵⁰ -- 22

**MARITIME Disasters -- STORMS Subset – By Mortality (continued)**

162. 1635 -- Aug 14-15, Pinnace *Watch and Wait* Wrecks, Storm, on Thacher Island MA-- 21
163. 1871 -- Aug 18, Steamer *Lodona* Grounds, Storm, near Cape Canaveral, FL -- 21
164. 1888 -- Nov 27, Storm, Philly Steam Collier *Allentown* Grounds off Cohasset, MA --18-21
165. 1892 -- July 12, Storm, *Frankie Folsom*, small boats founder, IL Ri., Peoria, IL --14-21
166. 1892 -- Oct ~28, OH Steamer *W.H. Gilcher* Sinks, Stm., Lake MI, ~Manitou Is. MI --18-21
167. 1906 -- Oct 18, Sidewheel Steamer *St. Lucie* Sinks, Hurricane, Elliot Key, FL²¹⁵¹ -- 21
168. 1909 -- May, ~1-2, Storm, Stm. *Adella Shores* Sinks, Lake Sup., ~Grand Isl., MI --14-21
169. 1916 -- May 8, Steamer *Kirby* Sinks, Lake Sup. Storm 8m no. of Eagle Harbor MI --20-21

171. 1813 -- Sep 17, Hurricane, Navy Gun Vessel *No. 164* Sinks, Charleston, SC²¹⁵² -- 20
172. 1821 -- Sep 17, Schooner *Washington* strands, hurricane, Bay St. Louis, MS²¹⁵³ -- ~20
173. 1832 -- Jun 02, Storm, Steamboat *Hornet* Capsizes, OH Riv., above Maysville, KY -- 20
174. 1838 -- Sep 7, Sloops *Alabama*, *Dread*, *Caution* Wreck ~Cape FL, FL, Hurricane²¹⁵⁴ -- >20
175. 1846 -- Sep 05, Storm, Steamer *New York* founders ~60 miles off Cameron, LA -- 20
176. 1846 -- Nov 19, *Indian Queen* Wrecked, Lake Erie Storm, near Dunkirk, NY -- 20
177. 1851 -- Nov 21/22, Propeller *Oneida* founders, Lake Erie storm, west of Ripley NY--16-19
178. 1852 -- Nov 10/11, Propeller *Oneida* founders, Lake Erie storm, west of Ripley NY--17-19
179. 1878 -- Oct 23, Hurricane, *A.S. Davis* Grounds near Virginia Beach, VA -- 19
180. 1887 -- Sep 3, Gale, Provincetown, MA Fishing Sch. *Rebecca R. Nickerson* lost, GB -- 19
181. 1897 -- Nov 5, Freighter *Idaho* Sinks, Lake Erie Storm, off Long Point, Ontario -- 19
182. 1902 -- Mar 12, Storm, Steamer *Province* Grounds, Davis Bend, LA -- 19
184. 1908 -- Dec 02, U.S. Steamer *Soo City* Lost in Storm, Gulf of St. Lawrence -- 19
185. 1915 -- Aug 16-17, U.S. Dredger *San Bernardo* Grounds, Hurricane ~Galveston²¹⁵⁵ -- 19
186. 1936 -- Oct 17, *Sand Merchant* Capsizes/Sinks, Lake Erie Storm off Avon Pt., OH -- 19
187. 1916 -- Aug 16, Storm, Steamer *Admiral Clark* Founders off San Antonio, TX -- 20

188. 1786 -- Dec 5, Gale, sloop grounds, Lovell’s Isl., Brig at Pt. Shirley, Boston Harbor, MA 18

²¹⁵⁰ These fatalities are part of the 409 attributed to the “Great Atlantic Hurricane.”
²¹⁵¹ 164 deaths are attributed in total to the Oct 18-21, 1906 Florida Keys Hurricane.
²¹⁵² Cross-listed in Hurricanes.
²¹⁵³ Cross-listed in Hurricanes (subset of 35 total fatalities).
²¹⁵⁴ Subset of Sep 7, 1838 Hurricane near Cape Florida, FL taking 38 lives in total.
²¹⁵⁵ Cross-listed in Hurricane as a maritime subset.
192. 1843 -- Sep 25, Gale, Steamer *Sarah Barnes* Sinks in Gulf, west of Sabine Pass, TX--17-18
193. 1876 -- Mar 01, *Nuova Ottavia* Grounds, Life-Saving Crew Lost, Kittyhawk, NC -- 18
194. 1898 -- Jun 28, Storm, Steamer *Jessie V.* swamped, Kuskokwim River mouth, AK -- 18
195. 1903 -- Feb 17, Steamer *Olive* sunk, Tornado, Chowan Riv., Woodley’s Pier, NC2156--14-18
196. 1908 -- Jan ~23, Steamer *Bluefields* Founders, Storm off Cape Hatteras, NC -- 18
197. 1924 -- Mar 11/12, Maine Schooner *Wyoming* sinks in blizzard off Chatham, MA --13-18

**MARITIME Disasters -- STORMS Subset -- By Mortality (continued)**

198. 1854 -- Dec 7/8, *Westmoreland Founders*, Lake MI Ice Storm, Manitou Passage, MI-- 17
199. 1859 -- Apr ~1, Stm., Gloucester Schrs. *Grace T. Powers* & *Charles E. Grover* lost -- 17
203. 1911 -- Jan 10, Barges *Trevorton*, *Corbin*, *Pine Forest*, Wreck, Cape Cod, MA -- 17
204. 1912 -- Nov 23, Schooner *Rouse Simmons* Sinks, Lake MI Storm ~Two Rivers, WI--11-17
205. 1919 -- Mar ~28, Boston Tug *Charles W. Parker, Jr*, Norfolk to Boston, Stm./Lost -- 17
206. 1924 -- Aug 26~, Three MA fishing schooners lost, probably in gale, Georges Bank-- 17
207. 1953 -- May 11 Storm, *Henry Steinbrenner* Sinks Lake Superior ~Isle Royale, MI -- 17
208. 2018 -- July 19, Duck Boat sinks in storm, Table Rock Lake, near Branson, MO2157 -- 17
209. 1860 -- Sep 17-18, Storm, *R. H. Dixon* wrecked, Bay of Mobile, off AL -- 16
210. 1882 -- Dec 05, Sch. *Henry Folger* Grounds on Reef, Salmon Pt. ~Wellington, Ont. -- 16
211. 1884 -- Aug 29, Steamer *Belmont* Capsizes, High Wind, near Evansville, IN ->13-16
212. 1891 -- Aug 12, Storm, Barge *Republic* deck fails, Cold Spring Harbor, L.I., NY --13-16
213. 1916 -- Jan 5, *Kanawha*, in storm hits tower, Capsizes, OH Ri. ~Parkersburg, WV -- 16
214. 1918 -- Jun 02, Storm, Lifeboat from *Carolina* (sunk by U-151) Capsizes, off NJ -- 16
215. 1929 -- Oct 29, Steamer *S. S. Wisconsin* Sinks off Kenosha, WI, Lake MI Storm -- 9-16
216. 1978 -- June 17, Tornado, Showboat *Whippoorwill* capsized, Pomona Lake, KS2158 -- 16

217. 1840 -- Mar 25, Brig *Escambia* founders betw. Frying Pan Shoals/Cape Lookout NC-12-15
218. 1846 -- Nov, Gloucester MA Schooners *General Scott*, *Canton* lost, Georges Bank -- 15
219. 1872 -- Nov 27, Barges *Jupiter & Saturn* Ground, Lake Sup. Stm., Vermilion Pt., MI-- 15
220. 1888 -- Nov 26, Stm., Schooner *Edward Norton* Wrecks, First Cliff Pt., Scituate MA-- 15
221. 1900 -- Aug 2-3, Storm, Steamers *Merwin*, *Resolute* and *Dollar* “Wreck,” AK -- 15
222. 1911 -- Jun 12, Storm, Fishing Boats Capsized, James River & Hampton Roads, VA-- 15
223. 1802 -- Feb 22/23, winter storm, ships ground, esp. *Brutus*, exposure, Cape Cod, MA2159 -- 14
224. 1851 -- Oct 03, Gloucester, MA Schooner *Flirt* Sank, Bay of St. Lawrence Gale -- 14
225. 1856 -- Nov 26, Schooner *Cherokee* Founders, Lake MI Gale 7m so. Manistee, MI -- 14
226. 1866 -- Jun 18, *Jennie P. King* Wrecks, L. Erie Stm., Long Pt., out of Tonawanda NY-- 14
227. 1882 -- Dec 01, *R.G. Peters* Fire, Founders, Lake MI Storm, Bound Manistee MI -- 14

2156 Cross-listed in Tornadoes.
2157 Cross-listed in Maritime subset -- Sinking/capsizing.
2158 Cross-listed in Tornadoes.
2159 Cross-listed under Winter Storms.
228. 1885 -- Feb 9~, Gale, Gloucester, MA Fishing Schooner *Solomon Poole* lost GB -- 14
229. 1887 -- Aug 20, Gale, Provincetown MA Whaling Sch. *Ellen Rizpah* lost ~Hatteras --13-14
230. 1887 -- Sep 3~, Gloucester, MA Fishing Sch. *Thomas L. Tarr* Lost, Gale, Banks trip-- 14
231. 1887 -- Oct 3, Prop. *California* Founders, Lake MI Stm., Straits of Mackinac, MI --13-14
232. 1890 -- Jan 9~, Gloucester, MA Fishing Schooner *Alice M. Strople* lost GB Gale? -- 14
233. 1892 -- Aug 26, Ship *William A. Campbell*, out of Port Townsend, WA sinks, storm --11-14
234. 1902 -- Nov 23, Freighter *Silvanus J. Macy* Sinks, Lake Erie Storm -- 14
235. 1911 -- Nov 12, Storm, Steam Barge Lost off NY Harbor, NY -- 14
236. 1923 -- Dec 05, Steamer *T.W. Lake* Lost in Storm, near San Juan Islands, WA --13-14
237. 1928 -- Aug 09, Steamer *William A. McKenney*, Storm/Drownings, Coast of CA -- 14
238. 1942 -- Dec 2, Tug *Admiral* Sinks, Lake Erie Storm, ~10m Avon Pt. Cleveland OH -- 14
239. 1955 -- Aug 12, Schooner *Levin J. Marvel* founders Chesapeake Bay ~Fairhaven MD-- 14

**MARITIME Disasters -- STORMS Subset – By Mortality (continued)**

240. 1810 -- Sep 11, USN *Gun Boat # 159* Sinks in Gale in Chesapeake Bay -- 13
241. 1846 -- Nov 19, Schooner *Lexington* Sinks, Lake Erie Storm, off Pt. Mouillee, MI -- 13
242. 1867 -- Sep, Gale, Gloucester MA Fishing Sch. *Fashion* lost, Bay of St. Lawrence -- 13
243. 1878 -- Jan 10, Storm, Boston Fishing Sch. *Little Kate* Grounds Near Duxbury, MA -- 13
244. 1901 -- May 24, Lake Huron storm, steamer *Baltimore* sinks off Au Sable Pt., MI --12-13
245. 1909 -- Dec 13, Sch. *Governor Ames* Wrecks, Stm., Wimble Shoals, Cape Hat. NC --11-13
246. 1917 -- Dec 08, Storm, Ship *Eugene F. Moran* Founders off Atlantic City, NJ -- 13
247. 1922 -- Aug 16, Marine Wind Storm off Northern CA and Southern OR -- 13
248. 1928 -- Aug 09, Schooner *Levin J. Marvel* founds Chesapeake Bay ~Fairhaven MD-- 14
249. 1821 -- Oct 25, Storm, *Sea Fox* Capsizes same day as sailing from NYC, NY -- 12
250. 1854 -- Sep 17/18, Hurricane, Steamer *Kate Ward* Lost, Matagorda Bay TX -- 12
251. 1868 -- ~Dec-Jan 1869, Stm., Gloucester, MA Fishing Sch. *Forest Bell* lost, GB -- 12
252. 1874 -- Feb 11, Gale, Gloucester, MA Fishing Schr. *B. H. Smith*, Lost Grand Banks -- 12
253. 1878 -- Jan 2-3, Cape Cod Storm, Schrs. *A.P. Avery*, *Powwow*, *F. Fish* Wrecked -- ~12
254. 1885 -- Dec 25-Jan 1886, Gloucester, MA Fishing Sch. *Hyperion* lost, GB trip gale? -- 12
255. 1887 -- Apr 01, Ship *Eldorado* (Seattle to SF) Sinks in Storm off Cape Flattery, WA -- 12
256. 1887 -- Nov-Dec, Gloucester, MA Fishing Schooner *Peter D. Smith* lost Georges trip-- 12
257. 1891 -- Sep, Gale, Beverly, MA Fishing Sch. *Albert Woodbury* Lost ~Nova Scotia --11-12
258. 1895 -- Jan, 26, Storm, Barges Towed by *Sea King* Founder Off Pt. Judith RI -- 12
259. 1899 -- Oct 30, Steamer *George L. Colwell* Founders in Gale off Coast of SC -- 12
260. 1899 -- Dec 05, Freighter *Niagara* sinks, Lake Erie Storm, 10m E of Long Pt. Ont. -- 12
261. 1903 -- Oct 03, Storm, Steamer *Erie L. Hackley* Sinks, Green Bay ~Green Isl., WI --11-12
262. 1924 -- Nov 15, Rum Runner tug *William Maloney* Founder off Block Island, R.I. -- 12
264. 1944 -- Sep 15, Hurricane, USCG Lightship *LS-73* Sinks, off coast of MA -- 12
265. 1947 -- Mar 12, Tanker *Fort Dearborn*, San Fran. to Shanghai, breaks up, gale, Pacific--12

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2160 Cross-listed under Hurricane.
2161 At least one other death at sea -- from a fishing boat which foundered off Block Island, R.I.
267. 1849 -- Apr 17, *Outward Bound* Founders, Lake MI Storm, Manitou Passage, MI -- 11
268. 1855 -- Nov 03, *Delaware* Grounds, Lake MI Storm, 8m off Sheboygan, WI -- 11
269. 1869 -- Nov 4-15, WW Arnold Grounds, Lake Sup. Storm, Two Hearted River, MI -- 11
270. 1871 -- Jul 3, Cal. Brig *Shelehoff* disabled Pacific Ocean storm, starvation, found Oct 19--11
271. 1883 -- May 22, Schooner *Wells Burt* founders, Lake MI Storm, off Evanston, IL -- 10-11
272. 1889 -- Feb 22, Storm, N.S. Bark *Josie Troop* hits rocks off Chicamacomico, NC -- 11
273. 1892 -- Feb 19-Mar 02~, Gale, Sch. Tecumseh, Strands, Fenwick Isl. Shoals, MD -- 10-11
274. 1900 -- Sep 11, Freight *John B. Lyon* Sinks, Lake Erie Stm., off Conneaut, OH -- 11
275. 1905 -- Nov 29, Mataafa, Edenborn, Lafayette wreck, Lake Sup. Stm. ~Duluth MN -- 11
276. 1908 -- Apr 26, Boat *Miriam* struck by “Cyclone,” Wrecked, MS Riv. TN-AR -- 11
277. 1909 -- Oct 11, Tug *Sybil* Wrecks, Hurricane, off coast of Miami, FL -- 11
278. 1911 -- July 28, New England Coastal Storm, Craft Lost (esp. Nokomis), esp. MA -- 11
279. 1918 -- Dec 03, Storm, Manola Founders, Lake Ontario, ~Duck Island, Canada. -- 11
280. 1920 -- Feb 6, Steamer *Polias*, Snowstm., hits Old Cilley Ledge, Penobscot Bay ME-- 11
281. 1921 -- Oct 30, Storm, House of David Schooner *Rosa Belle* Founders, mid-Lake MI-- 11
282. 1943 -- Nov 24/25, John P. Gaines breaks-up, storm, 40M S of Cherikoff Isl, AK -- 10-11
283. 1954 -- Aug 31, Fisher *Redstart* breaks-up during Carol, out of New Bedford, MA -- 11
284. 1984 -- Jul 07, Sternwheel *SCltanic* Capsizes, Storm, TN Riv., Ditto’s Landing, AL-- 11

**MARITIME** Disasters -- **STORMS** Subset – By Mortality (continued)

285. 1832 -- Oct 5, Schooner *Eliza Whittlesey* capsizes, squall, Lake Erie off Ashtabula, OH--10
286. 1849 -- Oct 06, Severe Storm, Gloucester MA Fishing Schooner *Levi Woodbury* Lost -- 10
287. 1854 -- Nov 13, Propeller *Bucephalus* Sinks in Lake Huron storm ~Bird’s Creek, MI-- 10
288. 1867 -- May 04, Steamer *Main* Capsized in Storm on Lake Pontchartrain, LA -- 10
289. 1871 -- Oct 3, Hurricane, TX Coast, Steamer C. K. Hall Lost off Cedar Point TX2163-- >10
290. 1884 -- Jun 27, Schooner *Deborah H. Diverty* Founders, storm, off Beck’s Beach, NJ-- 10
291. 1893 -- Aug 24, Storm, Schooner *Empire State* Sinks off Barnegat, NY -- 10
292. 1895 -- Apr 22, Storm, Rappahannock Riv., Middlesex Co., Burham’s Wharf, VA -- 10
293. 1902 -- Oct 13, Storm, C.B. Lockwood, lifeboat lost, Lake Erie, off Fairport Harbor, OH--10
294. 1907 -- Oct 22, Gloucester, MA fishing sch. *Clara G. Silva* loses five dories, storm -- 10
295. 1915 -- Apr 3, Storm, Cumberland and 2 Barges Wreck, Cape Henlopen, DE -- 10
296. 1921 -- Nov 21, Tug *Sea Eagle* hit by large wave in storm, Capsizes, ~Yaquina, OR-- 9-10

**Notable Other:**
1957 -- Jun 27, Hurricane Audrey, fishing schooner *Keturah* down off Galveston coast -- 9
1891 -- Oct 22, Gale, Fishing Schooner *Red Wing* breaks in surf, ~Indian Riv. Inlet, DE -- 6

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2162 Four dates are provided in the accounts cited in narrative, Nov 1, on or after Nov 4, Nov 11, and Nov. 15.
2163 Cross-listed under Hurricane.
1. 1988 -- July 3, USS *Vincennes* missile cruiser shoots down Iran Air 655, Persian Gulf\(^{2164}\) -- 290
2. 1811 -- Dec 16-Feb 7, 1812, *New Madrid Earthquakes*, Mississippi River boats -- ~200
4. 1915 -- May 07, RMS *Lusitania* Torpedoed, German Sub (1,198 killed), Atlantic -- 128
6. 1987 -- May 17, USS *Stark* hit by Iraqi Air Force Mirage missiles, Persian Gulf\(^{2165}\) -- 37
7. 1846 -- Jun 27, Brig *Sutley*, Pictou N.S. to Fall River Wrecks, Vineyard Sound, MA -- 30
8. 1891 -- Mar 24, Shipwreck, Steamer *Strathairy*, Chicamacomico, NC -- 19
9. 1917 -- Mar 21, Attack, Steamer *Healdton* Torpedoed, German Sub, North Sea\(^{2167}\) -- 19
10. 1867 -- Dec 31, Steamer *Henry Ames* guards fail while unloading, New Orleans, LA -- ~20
11. 1894 -- Apr 10, Schooners *Albert W. Smith* and *Kate Markee* Wrecked, NJ Coast -- 16
12. 1917 -- May 14-21, *Heavy seas*, sleeping Marines in LCT pitched overboard off LST-485, HI -- 19
13. 1882 -- Jan 22, Shipwreck, Bark *F.L. Carney*, South Hatteras Inlet, NC -- 8-10
14. 1909 -- Dec 23, Schooner *Susie M. Plummer* abandoned, Cape Flattery, WA -- 10

Other

\(^{2164}\) 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 the target was a military one representing a threat. Indeed retrieved onboard screen shots demonstrated that the 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 in that it was a U.S. Navy vessel that caused the disaster.

\(^{2165}\) Cross-listed in Violence -- Attacks.

\(^{2166}\) Cross-listed in Violence – Massacres of Whites by Natives.

\(^{2167}\) U.S. was not at war at the time. Congress declared war on April 6, 1917.

\(^{2168}\) Cross-listed in Maritime.

\(^{2169}\) U.S. was not at war at the time. Congress declared war on April 6, 1917.
### MINING, Quarrying, Tunneling Events – Deadliest American -- By Mortality

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46. 1910 -- Jan 31, Explosion, Primero “A” Coal Mine, Primero, CO  -- 75
47. 1883 -- Feb 16, Diamond Coal Mine Roof Collapse & Flooding, Braidwood IL  -- 69-74
48. 1943 -- Feb 27, Explosion, Smith Coal Mine #3, Washoe & Bearcreek, MT  -- 74
49. 1911 -- Apr 7, 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 Explos., ~St. Clairsville, OH-- 72
52. 1909 -- Jan 12, Explosion, Pocahontas Coal Mine, Lick Branch, WV  -- 67
53. 1944 -- July 5, 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, McAllester, 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, Explosion, Yolande Coal Mine, Yolande, AL  -- 57
62. 1910 -- Oct 08, Coal Mine Dust Explosion, Colorado Fuel Co., Starkville, CO  -- 56
63. 1942 -- May 12, Explosion, Christopher No. 3 Coal Mine, Osage, WV  -- 56
64. 1855 -- March 19, Explosion, Coal Mine, Midlothian, VA  -- 55
65. 1932 -- Dec 24, Coal Mine Methane Gas Explosion, Moweaqua, Shelby County, IL  -- 54
66. 1839 -- March 18, Black Heath Coal Mine methane gas explosion, ~Richmond, VA -- 40-53
67. 1909 -- Jan 20, Magazine Explos., 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 3, Flood, Barnes Hecker Iron Mine, Ishpeming, MI  -- 51
73. 1896 -- Feb 18, Explosion, Vulcan Coal Mine, New Castle, CO  -- 49
74. 1905 -- Apr 3, Explosion, Zeigler Coal Mine, Zeigler, IL  -- 49
75. 1922 -- Aug 27, Fire, Argonaut Gold Mine, Jackson, CA  -- 47
76. 1900 -- March 6, Explosion, Red Ash Coal Mine, New River Canyon, WV  -- 46
77. 1929 -- March 21, Explosion, Kinloch Coal Mine, Parnassus, PA  -- 46
78. 1892 -- May 10, Explosion, Roslyn Coal Mine, Roslyn, WA  -- 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 5, Flooding, Milford Iron Ore Mine, Crosby, MN  -- 41
82. 1888 -- Nov 9, Explosion, Coal Mine Shaft No. 2, Frontenac, KS  -- 40
83. 1910 -- Apr 20, Explosion, Mulga Coal Mine, Mulga, AL  -- 40
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, Explosion, Coal Mine, Almy, WY  -- 38
88. 1932 -- Feb 27, Explosion, Boissevain Coal Mine, Boissevain, VA  -- 38
89. 1970 -- Dec 30, Explosion, Finley Coal Co. Nos. 15 & 16 Mine, Hyden, KY  -- 38

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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, Gas Explosion, Pocahontas Fuel, Coal Mine No. 35, Bishop, 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, Sands 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 5, 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, Ext. 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

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
MINING, Quarrying, Tunneling Events – By MORTLITY (Cont.)

130. 1947 -- July 24, Explosion, Old Ben No. 8 Coal Mine, 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, MN\(^{2170}\) -- 26
135. 1924 -- Mar 28, Explosion, #2 Mine, Yukon Pocahontas Coal, Yukon, WV -- 26
136. 1976 -- Mar 9-11 Explosions, Scotia Mine, Blue Diamond Coal, Oven Fork, KY -- 26

137. 1907 -- Feb 4, Coal Mine Explos. (Gas), Thomas #25, Thomas, Tucker Co., WV -- 25
138. 1910 -- June 1, 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, Explosion, Belva No. 1, Coal Mine, 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 4, Powder Explosion, Coaldale Coal Mine, Mercer County, WV -- 22-24
146. 1907 -- Jan 23, Explosion, Primero Coal Mine, Primero, CO -- 24
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148. 1895 -- Apr 8, 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
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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
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156. 1930 -- Feb 06, Explosion, Standard Coal Mine, Standardville, UT -- 23
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158. 1945 -- May 9, Explosion, No. 1 Coal Mine, Sunnyside, UT -- 23

159. 1901 -- Oct 26, Explosion, Diamondville Coal Mine, Diamondville, WY -- 22
160. 1902 -- Jan 24, Coal Mine Explosion, Lost Creek Mining Co. No. 2, Osskaloosa, IA -- 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, Gas Explosion, Coal Mine 35, Pocahontas Fuel, Bishop, WV -- 22
165. 1961 -- Mar 02, Viking Coal Mine Air 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, Gas Explosion, Lake Huron Water Tunnel, Port Huron, MI -- 22

\(^{2170}\) Cross-listed in Landslides.
**MINING, Quarrying, Tunneling Events – By MORTALITY (Cont.)**

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2171 Cross-listed in Carbon Monoxide poisoning typology.
MINING, Quarrying, Tunneling Events – By MORTALITY (Cont.)

207. 1937 -- Mar 11, Explosion, Hutchinson Coal Co., Mine, Macbeth, WV -- 18
208. 1960 -- Mar 08, Fire, Island Creek Coal Co. No. 22 Mine, Holden, WV -- 18

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/Asphyxiation, 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 -- Jun 08, Explosion, Dorrance No. 9 Coal Mine, Sturgis, KY -- 17
223. 1928 -- May 22, Explosion, Yukon Pocahontas Coal Mine No. 1, Yukon, WV -- 17
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225. 1934 -- Aug 06, Explosion, Derby No. 3 Coal Mine, Big Stone Gap, VA -- 17
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228. 1910 -- Nov 06, Explosion, Lawson Coal Mine, Black Diamond, WA -- 16
229. 1914 -- Oct 05, Explosion, Mulga Coal Mine, Mulga, AL -- 16
230. 1915 -- Oct 19, Dynamite Explosion, Granite Mountain Copper Mine, Butte, MT -- 16
231. 1916 -- Feb 29, Davis Coal & Coke Co., Mine No. 42 Dust Explos., ~Kempton, MD-- 16
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233. 1926 -- Sep 03, Explosion, Tahona Coal Mine, Tahona, OK -- 16
234. 1930 -- Mar 30, Explosion, Pioneer Mine, Kettle Island, KY -- 16
235. 1944 -- Mar 25, Explosion, Katherine Coal Mine No. 4, Lumberport, WV -- 16
236. 1954 -- Nov 13, Explosion, Jamison Coal Co. Mine 9, Farmington, WV -- 16
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238. 1892 -- July 23, Explosion, York Farm Coal Mine, Pottsville, PA -- 15
239. 1919 -- Jun 30, Explosion, Alderson No. 5 Coal Mine, Alderson, OK -- 15
240. 1900 -- Nov 02, Explosion, Southern Coal & Trans. Co. Mine, Berryburg, WV -- 15
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242. 1904 -- Jan 26, Mine Cage Fall, Stratton Independence Gold Mine, Victor, CO -- 15
243. 1913 -- May 17, Explosion, Noble Coal Mine, Imperial Mining, Belle County, OH -- 15
244. 1919 -- Jun 30, Explosion, Alderson No. 5 Coal Mine, Alderson, OK -- 15
245. 1927 -- Aug 03, Explosion, West Kentucky No. 7 Coal Mine, Clay, KY -- 15
246. 1930 -- Nov 29, Explosion, Lutie No. 5 Coal Mine, Lutie, OK -- 15
247. 1941 -- Oct 27, Explosion, Daniel Boon Coal Mine, Daniel Boone, KY -- 15
248. 1946 -- Jan 15, Explosion, New River & Pocahontas Coal Mine, Havaco, WV -- 15

2172 Cross-listed in Rail.
249. 1946 -- Apr 18, Explosion, Great Valley Coal Mine, McCoy, VA -- 15
250. 1947 -- Jan 15, Explosion, Nottingham Coal Mine, Plymouth, PA -- 15
251. 1981 -- Apr 15, Dutch Creek No. 1 methane/coal dust mine explos., Redstone, CO -- 15

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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
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, OH2173 --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, Explos., 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
280. 1915 -- Feb 17, Gas Explos., 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, Explosion, King Coal Mine, Princeton, IN -- 13
288. 1981 -- Dec 8, Coal mine No. 21 (Grundy Mining) methane gas explos., Whitwell, TN--13
289. 2001 -- Sep 23, Jim Walter Resources No. 5 Coal Mine Gas Explosion, Brookwood, AL--13

2173 Cross listed in Fires, Structural.
MINING, Quarrying, Tunneling Events – By MORTALITY (continued)

290. 1868 -- Mar 31, Shaft Platform Break/Fall, Diamond Coal Mine, 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
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. 1951 -- Oct. 31, Dust Explosion, Truax-Traer Coal United 1, Wevaco, WV -- 12
314. 1959 -- Jan 22, Flooding, Knox Coal Mine, Jenkins Township, PA -- 12
315. 2006 -- Jan 02, Lightning/Explosion, Sago Coal Mine Tallmansville, WV2174 -- 12

316. 1844 -- June 15, Powder and gas explosions, Black Heath Coal Mine, ~Richmond VA--11
317. 1891 -- May 22, Explosion, Pratt No. 1 Shaft Coal Mine, Pratt City, AL -- 11
318. 1891 -- Jun 24, Fire, Gould & Curry Gold/Silver Mine, Virginia City, NV -- 11
319. 1898 -- Jul 11, Gas Explosion, Lake Erie Water Works Tunnel, near Cleveland, OH-- 11
320. 1902 -- Oct 01, Explosion, Lawson Coal Mine, Black Diamond, WA -- 11
321. 1903 -- Nov 20, Explosion, Bonanza No. 20 Coal Mine, Bonanza, AR -- 11
322. 1907 -- Mar 16, Explosion, Bond & Bruce Coal Mine, Tacoma, VA -- 11
323. 1907 -- Nov 30, Fire, Fremont Gold Mine, Drytown, CA -- 11
324. 1907 -- Dec 31, Explosion, Bernal Coal Mine, Carthage, NM -- 11
325. 1909 -- Oct. 21, Explosion, Rock Island No. 8 Coal Mine, Hartshorne, OK --10-11
326. 1910 -- Apr 13, Explosion, Limestone Quarry, Nazareth, PA -- 11
327. 1910 -- Sep 11, Cave-in, Bergen Tunnel, Erie Railroad, Jersey City, NJ -- 11
328. 1914 -- Sep 17, Cave-in, Centennial-Eureka Gold Mine, Eureka, UT -- 11
329. 1915 -- Apr 05, Explosion, Panama No. 1 Coal Mine, Panama, IL -- 11
330. 1917 -- Dec 20, Explosion, No. 3 Coal Mine, Catoosa, TN -- 11

2174 Cross listed in Lightning.
MINING, Quarrying, Tunneling Events – By MORTALITY (continued)

339. 1872 -- July 03, Atwater Slope Coal Mine Fire, Atwater Township, Portage Co., OH -- 10
340. 1873 -- Jun 10, Explosion, Henry Clay Coal Mine, Shamokin, PA -- 10
341. 1883 -- Jan 09, Explosion, Coulterville Mine, Coulterville, IL -- 10
342. 1884 -- Oct 8, Gale, Hyde Park Waterworks Crib cabin washed away, Chicago, IL -- 9-10
343. 1885 -- Apr 06, Roof Fall, Cuyler Coal Mine, Raven Run, PA -- 10
344. 1885 -- Nov 13, Explosion, Bull Domingo Silver/Gold Mine Silver Cliff, CO -- 10
345. 1888 -- Sep 11, Premature Explos., Wickes Tunnel, Montana Central RR ~Helena, MT--10
346. 1889 -- May 09, Car Fall, Kaska William Coal Mine, Middleport, PA -- 10
347. 1889 -- Sep 09, Flooding, White Ash Coal Mine, Golden, CO -- 10
348. 1892 -- Apr 20, Flooding, Lytle Coal Mine, Minersville, PA -- 10
349. 1893 -- Apr 01, Fire, Neilson Coal Mine, Shamokin, PA -- 10
350. 1893 -- May 14, Hoist Cage Overwind, Red Jacket Shaft Copper Mine, Calumet MI -- 10
351. 1898 -- Aug 22, Carnegie Tunnel Wall Collapses burying workmen, ~Pittsburg, PA -- 8-10
352. 1901 -- May 15, Explos., George’s Creek, Chatham coal mine, Farmington, WV -- 10
353. 1902 -- Jan 13, Fire, Milby & Dow Coal Mine, Dow, OK -- 10
354. 1904 -- May 11, Explosion, Big Muddy Coal Mine, Herrin, IL -- 10
355. 1904 -- Nov 02, Haulage Accident, Auchincloss Coal Mine, Nanticoke, PA -- 10
356. 1905 -- March 10, Explosion, Oswald Mine, Princeton Coal & Mining, Gibson, IN -- 10
357. 1905 -- Apr 26, Haulage Accident Conyngham Coal Mine, Wilkes-Barre, PA -- 10
358. 1905 -- Oct 06, Rock-fall, Vermont Slate Co. Briar Hill Quarry, Pawlet, VT -- 8-10
359. 1906 -- Oct 05, Explosion, Dutchman Coal Mine, Blossburg, NM -- 10
360. 1907 -- Dec 07, Skip Fall, Rolling Mill Iron Mine, Negaunee, MI -- 10
361. 1909 -- Oct 03, Explosion, Northwestern Coal Mine, Roslyn, WA -- 10
362. 1910 -- Nov 25, Explosion, Providence No. 3 Coal Mine, Providence, KY -- 10
363. 1910 -- Dec 14, Fire, Leyden Coal Mine, Leyden, CO -- 10
365. 1912 -- July 07, Dynamite Explosion, Eureka Pit Copper Mine Ely, NV -- 10
366. 1916 -- Mar 28, Explosion, King Coal Co., Mine No. 28, Vivian, WV -- 10
367. 1916 -- Oct 19, Explosion, Jamison Coal No. 7 Mine, Barrackville, WV -- 10
368. 1920 -- Aug 21, Explosion, No. 19 Coal Mine, Degnan, OK -- 10
369. 1923 -- Mar 02, Explosion, Weyanoke Coal Co. Mine, Arista, WV -- 10
370. 1923 -- May 05, Explosion, Southwestern Coal Mine, Aguilar, Colorado -- 10
371. 1924 -- July 25, Explosion, Gates No. 1 Coal Mine, Brownsville, PA -- 10
372. 1925 -- July 23, Explosion, Rockwood Coal Mine, Rockwood, TN -- 10
373. 1925 -- Aug 03, Explosion, Dorrance No. 9 Coal Mine, Wilkes-Barre, PA -- 10
374. 1928 -- May 25, Explosion, Baltimore No. 5 Coal Mine, Parsons, PA -- 10
375. 1929 -- May 27, Explosion, Connellsville Coal Mine, Yolande, AL -- 10
376. 1932 -- June 13, Explosion, Splashdam No. 6 Coal Mine, Splashdam, VA -- 10
377. 1936 -- Sep 02, Explosion, Hutchinson Coal Co. Mine, Macbeth, WV -- 10
378. 1936 -- Oct 06, Shaft Accident, Morning Mine, Lead Mine, Mullan, ID -- 10
379. 1938 -- Jan 12, Explosions, Harwick Coal Mine, Harwick, PA -- 10
380. 1938 -- Jun 02, Gas Explosion, Butler Slope Coal Mine, Pittston, PA -- 10
381. 1940 -- Aug 27, Explosion, Bates No. 2 Coal Mine, Bares, Arkansas -- 10
382. 1943 -- May 05, Explosion, NuRex Coal Mine, LaFollette, TN -- 10
383. 1947 -- Apr 10, Explosion, Schooley Coal Mine, Exeter, PA -- 10

Select Other (fewer than ten lives lost):

1870 -- Aug 10, Haulage Cage Falls, Heins & Glassmire Colliery, Middleport, PA -- 9
1891 -- Jan 5, Steel cable breaks, hoist car falls, Utica Gold Mine, Angels Camp, CA -- 9
1891 -- Nov 3/4, Men fall from haulage cage, Anaconda Copper Mine, near Butte, MT -- 9
1893 -- Apr 21, Mine Fire and Suffocations, Silver Bow No 2 Copper Mine, Butte, MT -- 9
1895 -- Mar 9 or 10, Fire, Old Abe Gold Mine, White Oaks, NM -- 5-9
1898 -- Nov 5, 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, Coal Mine Fire, Wichita Coal & Mining Co. No. 5, 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, Fire, Webb Coal Mine, Bellaire, OH -- 9
1934 -- Nov 12, Rohl Connolly granite quarry explosives detonation, Avalon, CA -- 9
1936 -- Aug 01, Fire, Kathleen Coal Mine, Dowell, IL -- 9
1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA -- 9
1963 -- Dec 16, Coal mine explosion in No. 2 shaft of Carbon Fuel mine, Helper, UT -- 9
2007 -- Aug 6, Crandall Canyon Coal Mine Wall Collapse (3 rescuers die Aug 16), Emery Co., UT -- 9

1890 -- Feb 01, Coal Mine Gas Explosion, Nottingham Shaft, Plymouth, PA -- 8
1891 -- Aug 19, Explosion of Giant Powder, Black Bear Mine, Gem, near Burke, ID -- 4-8
1893 -- Feb 14, Chicago & Iowa coal mine explosion, Albia, IA -- 8
1901 -- June 4, Dynamite explosion, Chapin iron mine, Iron Mountain, MI -- 8
1916 -- Mar 30, Expols., Robindale Mine, Conemaugh Smokeless Coal, Seward, PA -- 8
1947 -- Apr 30, Spring Hill coal mine explosion, Terre Haute, IN -- 8
1948 -- Feb 28, Sun Excelsior coal mine explosion, Excelsior, AR -- 8

1884 -- Aug 21, Gas Asphyxiation, Buck Ridge Colliery, 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, Gas Explos., Lance Mine, Lehigh/Wilkes-Barre Coal Co., Plymouth, PA  --  7
1922 -- Nov 5, Anthracite coal mine explosion in number four shaft, Madrid, NM  --  7

Select Other **Mine/Quarry/Tunneling events** (fewer than ten lives lost), continued:

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Lives Lost</th>
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<td>1873</td>
<td>Sep 20</td>
<td>Fire, Yellow Jacket gold mine, Gold Hill, NV</td>
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<td>1874</td>
<td>Feb 13</td>
<td>Copper mine dynamite explosion, Phoenix, MI</td>
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<td>1876</td>
<td>Jul 24</td>
<td>Black Diamond coal mine fire, Nortonville, CA</td>
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<td>1881</td>
<td>Feb 12</td>
<td>Copper Mine blacksmith shop fire and powder explosion, Belmont, MT</td>
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<td>1887</td>
<td>Jun 04</td>
<td>Rock Fall, Quarry, Birmingham, PA (near Altoona)</td>
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<td>1889</td>
<td>Nov 23</td>
<td>St. Lawrence copper mine fire, suffocation Anaconda mine, Butte, MT</td>
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<td>1909</td>
<td>Jan 19</td>
<td>Stone Canyon coal mine explosion, Chancellor, CA</td>
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<td>1920</td>
<td>Apr 15</td>
<td>Gas explosion, Jefferson Island salt mine, Delcambre, LA</td>
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<td>1937</td>
<td>Feb 19</td>
<td>Detonation of explosives, Walker copper quarry, Walkermine, CA</td>
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<td>1942</td>
<td>May 11</td>
<td>Peerless coal mine number 2 shaft explosion, Excelsior, AR</td>
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<td>1944</td>
<td>Jul 28</td>
<td>Brilliant coal mine no. 2 shaft explosion, Brilliant, NM</td>
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<td>1911</td>
<td>Mar 18</td>
<td>Coal mine explosion, Mineral, KS</td>
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<td>1915</td>
<td>Feb 18</td>
<td>New Home coal mine shaft number 2 explosion, Rich Hill, MO</td>
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<td>1920</td>
<td>May 3</td>
<td>Submarine coal mine explosion, Clinton, IN</td>
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<td>1930</td>
<td>Jul 14</td>
<td>Fire, Glenn gold mine, Placer County, CA</td>
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<td>1930</td>
<td>Dec 6</td>
<td>Lamb coal mine explosion, Madrid, NM</td>
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<td>1938</td>
<td>Aug 31</td>
<td>Dynamite explosion, Asheville granite quarry, Asheville, NC</td>
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<td>1948</td>
<td>Nov 04</td>
<td>Milt coal mine fire, Kitzmiller, MD</td>
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<td>1953</td>
<td>Mar 30</td>
<td>O’Brien coal mine explosion, Lovilia, IA</td>
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<td>1957</td>
<td>Jan 18</td>
<td>Evan Jones Coal Mine explosion, Jonesville, AK</td>
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<td>1979</td>
<td>Jun 08</td>
<td>Gas explosion, Belle Isle Mine, Franklin, LA</td>
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</table>
1. 1839 -- March 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
13. 1870 -- Aug 10, Haulage Cage Falls, Heins & Glassmire Colliery, Middleport, PA -- 9
14. 1871 -- May 27, Smoke Suffocation, West Pittston Coal Mine. West Pittston, PA -- 20
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
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
19. 1881 -- Feb 12, Copper Mine blacksmith shop fire and powder explosion, Belmont, MT-- 6
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
26. 1884 -- Aug 21, Gas Asphyxiation, Buck Ridge Colliery, Shamokin, PA -- 7
27. 1884 -- Oct 08, Gale, Hyde Park Waterworks Crib cabin washed away, S. Chicago, IL-- 9-10
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 -- Jun 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 Explos., 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 -- Jun 16, Fire, Hill Farm Coal Mine, Dunbar, PA  --  31

45. 1891 -- Jan 27, Explosion, Mammoth Coal Mine, Mt. Pleasant, PA  --  109
1891 -- Jan 05, Steel cable breaks, hoist car falls, Utica Gold Mine, Angels Camp, CA-- 9
46. 1891 -- Feb 04, Flooding, Jeannsville 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 -- Aug 19, Explosion of Giant Powder, Black Bear Mine, Gem, near Burke, ID  --  4-8
1891-- Nov 3/4, Men fall from haulage cage, Anaconda Copper Mine, near Butte, MT-- 9
49. 1891 -- Nov 08, Explosion, Susquehanna No. 1, Coal Mine, Nanticoke, PA  --  12

50. 1892 -- Jan 07, Explosion, Osage Coal Mine No. 11, Krebs, OK  --  100
51. 1892 -- Apr 20, Flooding, Lytle Coal Mine, Minersville, PA  --  10
52. 1892 -- May 10, Explosion, Roslyn Coal Mine, Roslyn, WA  --  45
53. 1892 -- July 23, Explosion, York Farm Coal Mine, 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
56. 1893 -- Apr 21, Mine Fire and Suffocations, Silver Bow No 2 Copper Mine, Butte, MT-- 9
57. 1893 -- May 14, Hoist Cage Overwind, Red Jacket Shaft Copper Mine, Calumet, MI  --  10
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<th>Year</th>
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<th>Event</th>
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<td>Sep 28</td>
<td>Flooding</td>
<td>Mansfield Iron Mine, Crystal Falls, MI</td>
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<td>1894</td>
<td>Feb 13</td>
<td>Roof Collapse</td>
<td>Gaylord Coal Mine, Plymouth, PA</td>
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<td>1894</td>
<td>Aug 24</td>
<td>Fire, Asphyxiation</td>
<td>Franklin Coal Mine, Franklin, WA</td>
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<td>Explosion</td>
<td>White Ash Coal Mine, Cerrillos, NM</td>
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<td>1895</td>
<td>Mar 9 or 10</td>
<td>Fire, Old Abe Gold Mine, White Oaks, NM</td>
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<td>1895</td>
<td>Mar 20</td>
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<td>Red Canyon Coal Mine, Red Canyon, near Evanston, WY</td>
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<td>Flooding, Sleepy Hollow Gold Mine, Sleepy Hollow, CO</td>
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<td>Fire, Osceolo Copper Mine Level 27, Calumet, MI</td>
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<td>Cumnock Coal Mine, Cumnock, NC</td>
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<td>Explosion, Nelson Coal Mine, Dayton, TN</td>
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<td>Vulcan Coal Mine Explosion</td>
<td>New Castle, CO</td>
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<td>Explosion</td>
<td>Berwind Coal Mine, DuBois, PA</td>
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<td>Jun 28</td>
<td>Roof Collapse and Flood</td>
<td>Twin Shaft Coal Mine, Pittston, PA</td>
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<td>Dec 26</td>
<td>Oswald coal mine explosion</td>
<td>Princeton, IN</td>
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<td>Kansas &amp; Texas #44 Coal Mine, Huntington, AR</td>
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<td>Explosion, Sunshine Coal Mine, Sunshine, CO</td>
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<td>Jul 11</td>
<td>Gas Explosion</td>
<td>Lake Erie Water Works Tunnel, near Cleveland, OH</td>
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<td>1898</td>
<td>Aug 22</td>
<td>Carnegie Tunnel Wall Collapses burying workmen, ~Pittsburg, PA</td>
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<td>1898</td>
<td>Nov 5</td>
<td>Coal cars crash into Exeter shaft, onto haulage cage, West Pittston, PA</td>
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<td>Nov 14 &amp; 22</td>
<td>Fire</td>
<td>Baby and West Mines, Pocahontas Coal, Pocahontas, VA</td>
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<td>Outside Fire</td>
<td>Suffocation in Smuggler-Union Mine, Telluride, CO</td>
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2175 Cross listed in Mines Tunnels and Quarries.
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<td>Daly-West lead/silver mine explosion/asphyxiations, Park City, UT</td>
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<td>Quarry Landslide, Lehigh Portland Cement Co., Ormrod, PA</td>
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<td>Tunnel Dynamite Explosion, South &amp; Western RR, Alta Pass, NC</td>
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1910 -- Jan 31, Explosion, Primero “A” Coal Mine, Primero, CO -- 75
1910 -- Feb 01, Explosion, Browder Coal Mine, Browder, KY -- 34
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1910 -- Apr 13, Explosion, Limestone Quarry, Nazareth, PA -- 11

\(^{2176}\) Cross-listed in Landslides.
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<td>Explosion, Coal Mine No. 3, Palos/Birmingham, AL</td>
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<td>Explosion, Union Limestone Quarry, Devils Slide, UT</td>
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<td>Cave-in, Bergen Tunnel, Erie Railroad, Jersey City, NJ</td>
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<td>Explosion, Victor American No. 3 Coal Mine, Delagua, CO</td>
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<td>Explosion, Providence No. 3 Coal Mine, Providence, KY</td>
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<td>Gas Explosion, Jumbo Asphalt Mine, Durant, OK</td>
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<td>Haulage Disaster, Lick Fork Mine Red Jacket Coal, Thacker, WV</td>
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<td>Explosion, Cokedale Coal Mine, Trinidad, CO</td>
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<td>Suffocation, Tunnel Caisson, Pontoon, Passaic River, Newark, NJ</td>
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<td>Slide, Norman Open Pit Iron Mine, Virginia, MN</td>
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<td>Coal mine explosion, Mineral, KS</td>
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<td>Explosion, Ott No. 20 Coal Mine, Elk Garden, WV</td>
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<td>Explosion, Cascade Coal Co. Mine, Sykesville, PA</td>
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238. 1919 -- Apr 29, Explosion, Majestic Coal Mine, Majestic, AL -- 22
239. 1919 -- Jun 05, Explosion, Baltimore Tunnel No. 2 Coal Mine, Wilkes-Barre, PA -- 92-93
240. 1919 -- Jun 30, Explosion, Alderson No. 5 Coal Mine, Alderson, OK -- 15
241. 1919 -- Aug 18, Gas Explosion, Oakdale Coal Mine, La Veta, CO -- 18
242. 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
243. 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
244. 1920 -- Aug 21, Explosion, No. 19 Coal Mine, Degnan, OK -- 10
245. 1920 -- Nov 23, Explosion, Parrish Coal Mine, Parrish, AL -- 12
246. 1921 -- Aug 31, Explosion, Harco Coal Mine, Harrisburg, IL -- 12

247. 1922 -- Feb 02, Explosion, Gates No, 2 Coal Mine, Gates, PA -- 25
248. 1922 -- Mar 24, Explosion, Sopris No. 2 Coal Mine, Sopris, CO -- 17
249. 1922 -- May 25, Explosion, Acmar No. 3 Coal Mine, Acmar, AL -- 11
1922 -- June 27, Explosion, Holston marble quarry, Strawberry plains ~Knoxville, TN -- 9
250. 1922 -- Aug 27, Fire, Argonaut Gold Mine, Jackson, CA -- 47
1922 -- Nov 5, Anthracite coal mine explosion in number four shaft, Madrid, NM -- 7
251. 1922 -- Nov 6, Explosion, Reilly No. 1 Coal Mine, Spangler, PA -- 79
252. 1922 -- Nov 22, Explosion, Dolomite No. 3 Coal Mine, Dolomite, AL -- 90
253. 1922 -- Nov 25, Explosion, Cerillos No. 4 Coal Mine, Cerillos, NM -- 12

254. 1923 -- Feb 08, Explosion, Stag Canon No. 1 Coal Mine, Dawson, MN -- 120
255. 1923 -- Mar 02, Explosion, Weyanoke Coal Co. Mine, Arista, WV -- 10
256. 1923 -- May 05, Explosion, Southwestern Coal Mine, Aguilar, CO -- 10
257. 1923 -- Aug 14, Explosion, Frontier No. 1 Coal Mine, Kemmerer, WY -- 99
258. 1923 -- Nov 06, Explosion, Raleigh-Wyoming, Glen Rogers Mine, Beckley, WV -- 27

259. 1924 -- Jan 25, Explosion, McClintock Coal Mine, Johnston City, IL -- 33
260. 1924 -- Jan 26, Explosion, Lancashire No. 18 Coal Mine, Shanktown, PA -- 36
261. 1924 -- Feb 05, Flooding, Milford Iron Ore Mine, Crosby, MN -- 41
262. 1924 -- Mar 08, Fire & Explosion, Castle Gate #2 Coal Mine, Castle Gate, UT -- 172
263. 1924 -- Mar 28, Explosion, Yukon Pocahontas #2 Coal Mine, Yukon, WV -- 26
264. 1924 -- Apr 28, Explosion, Benwood Coal Mine, Benwood (near Wheeling), WV -- 119
265. 1924 -- Jun 06, Explosion, Loomis Collieries Coal Mine, Nanticoke, PA -- 14
266. 1924 -- July 25, Explosion, Gates No. 1 Coal Mine, Brownsville, PA -- 10
267. 1924 -- Sep 16, Explosion, Sublet No. 5 Coal Mine, Sublet, WY -- 39

268. 1925 -- Feb 20, Explosion, City Coal Mine, Sullivan, IN -- 52
269. 1925 -- Mar 17, Explosion, Bethlehem Mines Coal Mine, Barrackville, WV -- 33
270. 1925 -- May 27, Explosion, Carolina Coal Mine, Farmville (Coal Glen), NC -- 53
271. 1925 -- June 08, Explosion, Dorrance No. 9 Coal Mine, Sturgis, KY -- 17
272. 1925 -- July 23, Explosion, Rockwood Coal Mine, Rockwood, TN -- 10
273. 1925 -- Aug 03, Explosion, No. 9 Coal Mine, Wilkes-Barre, PA -- 10
274. 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.)

275. 1926 -- Jan 13, Explosion, No. 21 Coal Mine, Wilburton, OK -- 91
276. 1926 -- Jan 14, Explosion, Mine No. 8, Jamison Coal Co., Farmington, WV -- 19
277. 1926 -- Jan 29, Explosion, Mossboro No. 1 Coal Mine, Helena, AL -- 27
278. 1926 -- Feb 03, Explosion, Horning No. 4, Coal Mine, Horning, PA -- 20
279. 1926 -- Mar 08, Explosion, Crab Orchard/Eccles No. 5 Coal Mine, Eccles, WV -- 20
280. 1926 -- Aug 26, Explosion, Clymer No. 1 Coal Mine, Clymer, PA -- 44
281. 1926 -- Sep 03, Explosion, Tahona Coal Mine, Tahona, OK -- 16
282. 1926 -- Oct 04, Explosion, Rockwood Coal Mine, Rockwood, TN -- 27
283. 1926 -- Nov 03, Flooding, Barnes Hecker Iron Mine, Ishpeming, MI -- 51
284. 1926 -- Dec 09, Explosion, Francisco No. 2 Coal Mine, Francisco, IN -- 37

285. 1927 -- Apr 30, Explosion, Federal No. 3 Coal Mine, Everettville, WV -- 111
286. 1927 -- Aug 03, Explosion, West Kentucky No. 7 Coal Mine, Clay, KY -- 15

287. 1928 -- Jan 09, Explosion, No. 18 Coal Mine, West Frankfort, IL -- 21
288. 1928 -- Feb 20, Explosion, Kinloch Coal Mine, Parnassus, PA -- 12
289. 1928 -- Feb 24, Explosion, Mama No. 3 Coal Mine, Jenny Lind, AR -- 13
290. 1928 -- May 19, Explosion, Mather No. 1 Coal Mine, Mather, PA -- 273
291. 1928 -- May 22, Explosion, Yukon Pocahontas Coal Mine No. 1, Yukon, WV -- 17
292. 1928 -- May 25, Explosion, Baltimore No. 5 Coal Mine, Parsons, PA -- 10
293. 1928 -- Aug 15, Explosion, Irvona No. 3 Coal Mine, Coalport, PA -- 13

294. 1929 -- Jan 26, Explosion, Kingston Pocahontas Coal Mine, Kingston, WV -- 14
295. 1929 -- Mar 21, Explosion, Kinloch Coal Mine, Parnassus, PA -- 46
296. 1929 -- May 27, Explosion, Connellsville Coal Mine, Yolande, AL -- 10
297. 1929 -- Dec 17, Explosion, Old Town Coal Mine, McAlester, OK -- 61

298. 1930 -- Feb 06, Explosion, Standard Coal Mine, Standardville, UT -- 23
299. 1930 -- Mar 26, Explosion, Crown Coal Co, Yukon Mine, Arnettsville, WV -- 12
300. 1930 -- Mar 30, Explosion, Pioneer Coal Mine, Kettle Island, KY -- 16
301. 1930 -- Apr 12, Explosion, Carbonado Coal Mine, Carbonado, WA -- 17
1930 -- July 14, Fire, Glenn gold mine, Placer County, CA -- 5
302. 1930 -- Oct 27, Explosion, Wheatley No. 4 Coal Mine, McAlester, OK -- 30
303. 1930 -- Nov 05, Methane Explosion, Sunday Creek Coal Mine No. 6, Millfield, OH -- 82
304. 1930 -- Nov 29, Explosion, Lutie No. 5 Coal Mine, Lutie, OK -- 15
1930 -- Dec 6, Lamb coal mine explosion, Madrid, NM -- 5
305. 1931 -- Jan 28, Gas Explosion, Little Betty Coal Mine, Dugger, near Linton, IN  --  28
306. 1931 -- Apr 13, Fire/Carbon Monoxide Poisoning, Tunnel, Chicago IL  --  11

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307. 1932 -- Feb 27, Explosion, Boissevain Coal Mine, Boissevain, VA  --  38
308. 1932 -- June 13, Explosion, Splashdam No. 6 Coal Mine, Splashdam, VA  --  10
309. 1932 -- Dec 07, Explosion, Morgan-James Coal Mine, Madrid, NM  --  14
310. 1932 -- Dec 09, Explosion, Zero Coal Mine, Yancey, KY  --  23
311. 1932 -- Dec 24, Coal Mine Methane Gas Explosion, Moweaqua, Shelby Co., IL  --  54

312. 1934 -- Aug 06, Explosion, Derby No. 3 Coal Mine, Big Stone Gap, VA  --  17
313. 1935 -- Jan 21, Gas Explosion, Gilberton Coal Mine, Gilberton, PA  --  13
314. 1936 -- Aug 01, Fire, Kathleen Coal Mine, Dowell, IL  --  9
315. 1936 -- Sep 02, Explosion, Hutchinson Coal Co. Mine, Macbeth, WV  --  10
316. 1936 -- Oct 06, Shaft Accident, Morning Mine, Lead Mine, Mullan, ID  --  10
317. 1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA  --  9
318. 1937 -- Feb 19, Detonation of explosives, Walker copper quarry, Walkermine, CA  --  6
319. 1937 -- Mar 11, Explosion, Hutchinson Coal Co., Mine, Macbeth, WV  --  18
320. 1937 -- July 15, Explosion, Baker Coal Mine, Sullivan, IN  --  20
321. 1937 -- Oct 15, Explosion, Mulga Coal Mine, Mulga, AL  --  34
322. 1938 -- Jan 12, Explosions, Harwick Coal Mine, Harwick, PA  --  10
323. 1938 -- Apr 22, Explosion, Keen Mountain Coal Mine, Hanger, VA  --  45
324. 1938 -- June 2, Gas Explosion, Butler Slope Coal Mine, Pittston, PA  --  10
325. 1938 -- Aug 31 Dynamite explosion, Asheville granite quarry, Asheville, NC  --  5
326. 1939 -- July 14, Explosion, Duvin Coal Mine, Providence, KY  --  28
327. 1940 -- Jan 10, Mine Explosion, Pond Creek Mine, Bartley, WV  --  91
328. 1940 -- Mar 16, Hanna Coal Co. Willow Grove #10 Mine Explos., ~St. Clairsville, OH--72
329. 1940 -- July 15, Coal Mine Explosion, Sonman, Portage Township, Cambria Co., PA-- 63
330. 1940 -- Aug 27, Explosion, Bates No. 2 Coal Mine, Bares, Arkansas -- 10
331. 1940 -- Nov 29, Explosion, OH-PA Coal Co. Nelms No. 1 Mine, Cadez, OH  --  31
332. 1941 -- May 22, Explosion, Panhandle No. 2 Coal Mine, Bicknell, IN  --  14
333. 1941 -- July 10, Explosion, Acmar No. 6 Coal Mine, Acmar, AL  --  11
334. 1941 -- Oct 27, Explosion, Daniel Boone Coal Mine, Daniel Boone, KY  --  15
335. 1942 -- Jan 27, Explosion, Wadge Coal Mine, Mount Harris, CO  --  34
336. 1942 -- Mar 26, Asphyxiation, Sandts Eddy Limestone Quarry, Allentown, PA  --  31
1942 -- May 11, Peerless coal mine number 2 shaft explosion, Excelsior, AR -- 6
334. 1942 -- May 12, Explosion, Christopher No. 3 Coal Mine, Osage, WV -- 56
335. 1942 -- July 09, Explosion, Pursglove Coal Mine No. 2, Pursglove, WV -- 20

**MINING, Quarrying, Tunneling Events – CHRONOLOGICAL** (Cont.)

336. 1943 -- Jan 08, Fire, Pursglove Coal Mine No. 15, Pursglove, WV -- 13
337. 1943 -- Feb 27, Explosion, Smith Coal Mine #3, Washoe & Bearcreek, MT -- 74
338. 1943 -- May 05, Explosion, NuRex Coal Mine, LaFollette, TN -- 10
339. 1943 -- May 11, Explosion, Praco No. 10 Coal Mine, Praco, AL -- 12
340. 1943 -- Aug 28, Explosion, Sayreton No. 2 Coal Mine, Sayreton, AL -- 28
341. 1943 -- Sep 16, Explosion, Point Coal Mine No. 3, Three Point, KY -- 12
342. 1943 -- Sep. 24, Explosion, Primrose Colliery Coal Mine, Minersville, PA -- 14
343. 1943 -- Nov 06, Explosion Nellis No. 3, Coal Mine, Madison, WV -- 11

344. 1944 -- Mar 25, Explosion, Kathrine Coal Mine No. 4, Lumberport, WV -- 16
345. 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

346. 1945 -- May 09, Explosion, No. 1 Coal Mine, Sunnyside, UT -- 23
347. 1945 -- Dec 26, Explosion, Belva No. 1, Coal Mine, Fomurile, KY -- 25

348. 1946 -- Jan 15, Explosion, New River & Pocahontas Mine, Havaco, WV -- 15
349. 1946 -- Apr 18, Explosion, Great Valley Coal Mine, McCoy, VA -- 15

350. 1947 -- Jan 15, Explosion, Nottingham Coal Mine, Plymouth, PA -- 15
351. 1947 -- Mar 25, Explosion, Centralia No, 5 Coal Mine, Centralia, IL -- 111
352. 1947 -- Apr 10, Explosion, Schooley Coal Mine, Exeter, PA -- 10
1947 -- Apr 30, Spring Hill coal mine explosion, Terre Haute, IN -- 8
353. 1947 -- July 24, Explosion, Old Ben No. 8 Coal Mine, West Frankfort, IL -- 27

1948 -- Feb 28, Sun Excelsior coal mine explosion, Excelsior, AR -- 8
354. 1948 -- July 27, Explosion, King Coal Mine, Princeton, IN -- 13
355. 1948 -- July 30, Explosion, Edgewater Coal Mine, Birmingham, AL -- 11
1948 -- Nov 04, Milt coal mine fire, Kitzmiller, MD -- 5

356. 1951 -- Jan 18, Gas Explosion, Burning Springs Collieries, Kermit, WV -- 11
357. 1951 -- Oct 15, Gas Explosion, Trotter Coal Bunker Mine, Cassville, WV -- 10
358. 1951 -- Oct 31, Dust Explosion, Truax-Traer Coal United 1, Wevaco, WV -- 12
359. 1951 -- Dec 21, New Orient Coal Mine #2 Gas Explosion, West Frankfort, IL -- 119
1953 -- Mar 30, O’Brien coal mine explosion, Lovillia, IA -- 5
360. 1954 -- Nov 13, Explosion, Jamison Coal Co. Mine # 9, Farmington, WV -- 16
1957 -- Jan 18, Evan Jones Coal Mine explosion, Jonesville, AK -- 5
361. 1957 -- Feb 04, Gas Explosion, Pocahontas Fuel Coal Mine No. 35, Bishop, WV -- 37
362. 1957 -- Dec 27, Gas Explosion, Pocahontas Fuel, Mine 31, Amonate, WV -- 11
363. 1958 -- Oct 27, Explosion, Bishop Coal Mine # 34, Pocahontas Fuel, Bishop, WV -- 22
365. 1959 -- Jan 22, Flooding, Knox Coal Mine, Jenkins Township, PA -- 12

MINING, Quarrying, Tunneling Events – CHRONOLOGICAL (Cont.)

366. 1960 -- Mar 08, Fire, Island Creek Coal Co. No. 22 Mine, Holden, WV -- 18
367. 1961 -- Mar 02, Viking Coal Mine Air Dust Explosion, near Terre Haute, IN -- 22
368. 1962 -- Jan 10, Blue Blaze No. 2 Coal Mine gas and dust Explosion, Carterville, IL -- 11
369. 1962 -- Dec 06, Coal Mine gas and dust Explosions, Robena No. 3, Carmichaels, PA -- 37
370. 1963 -- Apr 25, Gas Explosion, Clinchfield Coal Compass #2 Mine, Dola, WV -- 22
1963 -- Dec 16, Coal mine explosion in No. 2 shaft of Carbon Fuel mine, Helper, UT -- 9
372. 1968 -- Mar 6, Cargill Salt Mine Shaft Fire, CO² Asphyxiation, Belle Isle, LA²¹⁷⁷ -- 21
373. 1968 -- Nov 20, Explosion, Consol 9 Coal Mine, Farmington, WV -- 78

375. 1971 -- Dec 11, Gas Explosion, Lake Huron Water Tunnel, Port Huron, MI -- 22
376. 1972 -- May 02, Fire/Gas Poisoning, Sunshine Silver Mine, Kellogg, ID -- 91-92
377. 1976 -- Mar 9-11, Explosion, Scotia Mine Blue Diamond Coal, Oven Fork, KY -- 26
1979 -- June 8, Gas explosion, Belle Isle Mine, Franklin, LA -- 5

378. 1981 -- Apr 15, Dutch Creek No. 1 methane/coal dust mine explos., Redstone, CO -- 15
379. 1981 -- Dec 8, Coal mine No. 21 (Grundy Mining) methane gas explos., Whitwell, TN -- 13
380. 1984 -- Dec 19, Fire, Emery Mining, Wilberg Mine, Orangeville, UT -- 27
381. 1989 -- Sep 13, Coal Mine Gas Explosion, William Station Mine, Wheatcroft, KY -- 10

382. 2001 -- Sep 23, Jim Walter Resources No. 5 Coal Mine Gas Explosion, Brookwood, AL -- 13
383. 2006 -- Jan 2, Lightning/Explosion, Sago Coal Mine, Tallmansville, WV²¹⁷⁸ -- 12
2007 -- Aug 6, Crandall Canyon Coal Mine Wall Collapse (3 rescuers die Aug 16), Emery Co., UT -- 9
384. 2010 -- Apr 05, Gas Explosion, Upper Big Branch Coal Mine, Montcoal, WV -- 29

²¹⁷⁷ Cross-listed in Carbon Monoxide poisoning typology.
²¹⁷⁸ Cross listed in Lightning.
QUARRYING Subset – By Mortality

1. 1942 -- Mar 26, Asphyxiation, Sandts Eddy Limestone Quarry, Allentown, PA -- 31
2. 1910 -- June 1, 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
Paralytic Shellfish Poisoning (PSP) -- By Mortality

1. 1799 -- July, Paralytic Shellfish Poisoning,\(^{2179}\) Aleuts, Russians, Peril Strait, AK -- ~100

Paralytic Shellfish Poisoning (PSP) -- Chronological

1. 1799 -- July, Paralytic Shellfish Poisoning, Aleuts, Russians, Peril Strait, AK -- ~100

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\(^{2179}\) “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.)
SUBSIDENCE due to Mining Undermining Subset

1. 1869 -- Dec 18, Subsidence, Houses fall into Coal Mine, Stockton, near Hazelton, PA -- 6-15
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. 1907 -- May 11, Tunnel Dynamite Explosion, South & Western RR, Alta Pass, NC -- 9-14
7. 1867 -- Oct 19, Naphtha Explosion/Fire, Hoosac Tunnel, Northern Berkshires, MA -- 13
8. 1901 -- Aug 14, Waterworks Crib Fire, two miles off Cleveland Harbor, OH 2180 -- 12-13
9. 1911 -- Jan 31, Suffocation, Tunnel Caisson, Pontoon, Passaic River, Newark, NJ -- 12
10. 1898 -- July 11, Gas Explosion, Lake Erie Water Works Tunnel, near Cleveland, OH -- 11
11. 1910 -- Sep 11, Cave-in, Bergen Tunnel, Erie Railroad, Jersey City, NJ -- 11
12. 1931 -- Apr 13, Fire/Carbon Monoxide Poisoning, Tunnel, Chicago IL -- 11
13. 1884 -- Oct 08, Gale, Hyde Park Waterworks Crib cabin washed away, S. Chicago, IL -- 9-10
14. 1888 -- Sep 11, Premature Explos., Wickes Tunnel, Montana Central RR ~Helena, MT-- 10
15. 1898 -- Aug 22, Carnegie Tunnel Wall Collapses burying workmen, ~Pittsburg, PA -- 8-10

2180 Cross listed in Fires, Structural.
2181 Cross listed in Fires, Structural.
Mining Fatalities by Decade

Mining Events by Decade

Series 1
RAIL – Train, Electric Rail, Streetcar, Subway, Trolley Events

Deadliest American -- By Mortality

1. 1910 -- March 1, Avalanche, two Trains Derailed, Stevens Pass, Wellington, WA\textsuperscript{2182} -- 118
2. 1904 -- Aug 7, Train Trestle Fails, Train Wreck, Eden/Pueblo, CO\textsuperscript{2183} -- ~83-116
3. 1918 -- July 9, Trains Collide, Great Nashville Tenn Train Wreck, Nashville, TN --89-101
4. 1876 -- Dec 29, Bridge Collapse Under Train \textit{Pacific Express}, Ashtabula, OH\textsuperscript{2184} -- 100
5. 1901 -- Nov 27, Passenger trains collide head-on, one burns, Wabash RR ~Seneca, MI--23-100
6. 1918 -- Nov 1, Rapid Transit Train Derailment, Brooklyn, NY -- 97
7. 1918 -- June 22, Trains Collide, Hammond Circus Train Wreck, Ivanhoe, IN -- 86
8. 1887 -- Aug 10, Great Chatsworth Trestle Failure/Train Wreck, IL\textsuperscript{2185} -- 85
9. 1951 -- Feb 6, Speeding commuter train derails at temporary trestle, Woodbridge, NJ -- 85
10. 1943 -- Sep 6, Congressional Limited Train Derailment, Frankford Junction, PA\textsuperscript{2186} --79-81

11. 1950 -- Nov 22, Train Collision, 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, Train Derailment, Atlantic Coast Line, 2nd Crash, Rennert, NC --69-74
15. 1888 -- Oct 10, Lehigh Valley RR Trains Collide, Mud Run, Carbon County, PA --64-66
16. 1903 -- Dec 23, Train Wreck, Connelsville, 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. 1853 -- May 06, New Haven Rail Train Goes Into River, South Norwalk, CT --40-56
20. 1883 -- Mar 30, Train Accident, Cincinnati So. Rail, Mason’s Station, OH -- 53
21. 1906 -- Dec 30, Trains Collide, Terra Cotta (now Fort Totten) Station, Wash. DC --53-59
22. 1917 -- Dec 20, Train Collision, Shepherdsville, KY -- 51
23. 1867 -- Dec 18, Lake Shore and Michigan Southern Derailment/Fire, Angola NY --39-50
24. 1896 -- July 30, Two-Train Collision, Atlantic City, NJ -- 50
25. 1906 -- Nov 12, Trains Collide, Baltimore & Ohio Railroad, near Woodville, IN --44-50
26. 1916 -- Nov 07, Train goes through open drawbridge, ~South Station, Boston, MA -- 50
27. 1925 -- June 16, Train Derails, Rockport Crossing, near Hackettstown, NJ\textsuperscript{2187} -- 50
28. 1910 -- March 21, Train Derailment, Rock Island RR, Green Mountain, Gladbrook, IA-- 49
29. 1944 -- Dec 31, Fog, Southern Pacific mail-express hits passenger train, ~Bagley, UT\textsuperscript{2188}--48
30. 1958 -- Sep 15, Train derails into water through open span of Newark Bay Bridge, NJ -- 48
31. 1938 -- June 19, Flash Flood, Bridge Fails, Train Crash, Miles City, MT\textsuperscript{2189} -- 47
32. 1944 -- Aug 05, Atlantic Coast Line Train Wreck, near Stockton, GA -- 47
33. 1946 -- April 26, Train Collision, \textit{Advance Flyer} & \textit{Exposition Flyer}, Naperville, IL -- 47

\textsuperscript{2182} Cross-listed in Avalanche.
\textsuperscript{2183} Cross-listed in Structural Failures, Bridges.
\textsuperscript{2184} Cross-listed in Structural Failures, Bridges.
\textsuperscript{2185} Cross-listed in Structural Failures, Bridge/Trestles.
\textsuperscript{2186} Accounts then and since note either 79 or 80 deaths. We do not know which is correct. The range of 79-81 is due to our including as an indirect death that 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.
\textsuperscript{2187} Cross-listed in Flash Floods.
\textsuperscript{2188} Cross-listed in Fog as a Contributing Factor.
\textsuperscript{2189} Cross-listed in Flash Floods and Structural Failures (Bridge/Trestles).
RAIL Events -- By MORTALITY – (continued)

34. 1993 -- Sep 22, Fog, Barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL

35. 1972 -- Oct 30, Illinois Central Gulf Commuter Rail Crash, Chicago, IL

36. 1915 -- Sep 27, Rail Tank Car Gasoline Explosion, Ardmore, OK

37. 1900 -- July 04, Trolley Car Derails, Tacoma, WA

38. 1914 -- Aug 05, Trains Collide, Tipton Ford, MO

39. 1940 -- July 31, Train Collision, Cuyahoga Falls, OH

40. 1910 -- Sep 21, Interurban Electric Train Car (Trolley) Crash, Kingsland, IN

41. 1859 -- Jun 28, Springbrook Bridge Fails Under Train, Mishawaka, IN

42. 1901 -- Aug 30, Runaway freight cars collide with train, fire ~Nyack station, MT

43. 1912 -- July 04, Train Collision, East Corning, NY

44. 1854 -- Nov 01, Train Derailment, Chicago for Rock Island, IL

45. 1887 -- Feb 05, Train Derails/Fire, Woodstock Bridge, White River, ~Hartford, VT

46. 1903 -- Nov 14, Trains Collide and Burn, Illinois Central RR, near Kentwood, LA

47. 1907 -- May 11, Train Derails, Coast Line, Southern Pacific RR, near Honda, CA

48. 1887 -- Mar 14, Busey Bridge Collapses Under Train, Roslindale, MA

49. 1910 -- Nov 04, Traction (Electric) Trains Collide, near Staunton, IL

50. 1921 -- Feb 27, Trains Collide, NY Central & MI Central RR, Porter, IN

51. 1900 -- Jun 23, Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA

52. 1899 -- Aug 06, Train Derailment, Peck’s Mill Pond, Oronoque ~ to Bridgeport, CT

53. 1912 -- Mar 18, Boiler Explos., Train Engine, So. Pacific Yard, San Antonio TX

54. 1907 -- Jan 2, Rock Island RR Trains 29#2 & 30 Collide, Fire, near Volland, KS

55. 1944 -- July 06, Troop Train Derailment, Jellico, TN

56. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN

57. 1922 -- Aug 05, Trains Collide, MO Pacific Railroad, Sulphur Springs, MO

58. 1945 -- Aug 09, Train Collision, Great Northern’s Empire Builder, Michigan, ND

59. 1950 -- May 25, Collision, Green Hornet Trolley & Gasoline Tank Truck, Chicago IL

60. 1893 -- Jan 21, Express Train Collides into Oil Cars/fire/explos., Wann, ~Alton, IL

61. 1917 -- Sep 28, Trains Collide, near Kellyville, OK

62. 1950 -- Sep 11, Train Spirit of St. Louis Hits Troop Train, Fog, Isleta, OH

63. 1871 -- Aug 26, Trains Collide, Eastern RR of Mass., Revere Station ~Boston MA

64. 1880 -- Oct 9, Trains Collide, Pennsylvania Railroad, Pittsburgh, PA

65. 1907 -- July 20, Excursion & Freight Trains Collide, Pere Marquette RR, ~Salem, MI

66. 1963 -- Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chulaear, CA

67. 1855 -- Nov 01, Bridge Failure Under Excursion Train, Gasconade, MO

68. 1923 -- Sep 27, Flooding, Bridge Washout/Train Derails, near Lockett, WY

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2190 Cross-listed in Fog as a contributing factor and in Maritime.
2191 Cross-listed in Explosions and in Hazardous Materials.
2192 Cross-listed under Structural Failure-Trestle and Flooding.
2193 Cross-listed in Explosions.
2194 Cross-listed in Explosions and in Hazardous Materials incidents.
2195 Cross-listed in Hazardous Materials incidents.
2196 Cross-listed in Hazardous Materials incidents.
2197 Cross-listed in Vehicular/Road/Highway events.
2198 Cross-listed in Structural Failures – Bridges/Trestles.
<table>
<thead>
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<th>Year</th>
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<th>Event Details</th>
<th>Deaths</th>
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<td>1950</td>
<td>Feb 17</td>
<td>Train Accident, Rockville Centre Station, Rockville Centre, NY</td>
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<td>1854</td>
<td>July 04</td>
<td>Two-Train Collision, Near Relay House, Baltimore, MD</td>
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<td>1864</td>
<td>Sep 01</td>
<td>Confederate Wounded Train Collision, Barnesville, GA</td>
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<td>1879</td>
<td>Oct 09</td>
<td>Rear-end Train Collision, Michigan Central RR, Jackson, MI</td>
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<td>1896</td>
<td>July 11</td>
<td>Trains Collide head-on, Chicago &amp; Northwestern RR, Logan, IA</td>
<td>30</td>
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<tr>
<td>1897</td>
<td>Sep 08</td>
<td>Trains Collide, Santa Fe Railroad, near Emporia, KS</td>
<td>30</td>
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<tr>
<td>1897</td>
<td>Sep 10</td>
<td>Trains Collide, Fire, near Newcastle, CO</td>
<td>30</td>
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<td>1902</td>
<td>Sep 01</td>
<td>Excursion Train Derailment, Southern Railway, near Berry, AL</td>
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<td>1926</td>
<td>Sep 05</td>
<td>Train Derailment, near Waco, CO</td>
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<tr>
<td>1940</td>
<td>Apr 19</td>
<td>Train Derails, NY Central Lake Shore Limited, Little Falls, NY</td>
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<td>1956</td>
<td>Jan 22</td>
<td>Train Derailment, Santa Fe RR, Redondo Junction, Los Angeles, CA</td>
<td>30</td>
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<tr>
<td>1890</td>
<td>May 30</td>
<td>Train Falls through open Drawbridge, Drownings, Oakland, CA</td>
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<tr>
<td>1899</td>
<td>May 12</td>
<td>Trains Collide, Philadelphia &amp; Reading Railroad, Exeter, PA</td>
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<td>1902</td>
<td>May 12</td>
<td>Explosion, Freight Train Oil and Naphtha Cars, Sheraden, PA</td>
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<td>1904</td>
<td>Oct 10</td>
<td>Train Collision, Freight/Passenger, near Warrensburg, MO</td>
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<td>1907</td>
<td>Jan 19</td>
<td>Trains Collide in Fog, Big Four Line, Fowler, IN</td>
<td>23-29</td>
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<tr>
<td>1911</td>
<td>Aug 25</td>
<td>Train Derailment, Lehigh Valley Railroad, Manchester, NY</td>
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<tr>
<td>1940</td>
<td>Mar 14</td>
<td>Train hits farm workers Truck at Highway 83 Crossing, Alamo, TX</td>
<td>2202-29</td>
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<td>1943</td>
<td>Aug 30</td>
<td>Lackawanna Limited Train Collision, near Wayland, NY</td>
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<td>1944</td>
<td>Sep 14</td>
<td>Train Collision, Terre Haute, IN</td>
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<td>1893</td>
<td>Oct 20</td>
<td>World’s Fair excursion trains collide head-on, burn, ~Battle Creek MI</td>
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<td>1907</td>
<td>Mar 28</td>
<td>Train Derails, Sunset Express, Southern Pacific Rail, Colton, CA</td>
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<tr>
<td>1914</td>
<td>Sep 15</td>
<td>Flooding, Bridge Washout &amp; Train Derailment, Lebanon, MO</td>
<td>2203-28</td>
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<tr>
<td>1864</td>
<td>Sep 27</td>
<td>Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO</td>
<td>2204-22-27</td>
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<tr>
<td>1888</td>
<td>Mar 17</td>
<td>Trestle Collapse, West India Mail Train Derails, Blackshear, GA</td>
<td>2205-25-27</td>
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<tr>
<td>1916</td>
<td>Mar 29</td>
<td>Three Train Collision in Fog, near Amherst, OH</td>
<td>2206-27</td>
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<tr>
<td>1916</td>
<td>Aug 12</td>
<td>Runaway Trolley Car Collision, ~Ebensburg and Johnstown, PA</td>
<td>26-27</td>
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<tr>
<td>1921</td>
<td>Dec 5</td>
<td>Trains collide/burn, Philadelphia &amp; Reading RR ~Bryn Athyn, PA</td>
<td>26-27</td>
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<tr>
<td>1868</td>
<td>Apr 15</td>
<td>Broken Rail Train Derails/Fire, Carr’s Rock, Pike County, PA</td>
<td>22-26</td>
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<td>1880</td>
<td>Aug 11</td>
<td>Trains Collide, West Jersey &amp; Atlantic Railroad, Mays Landing, NJ</td>
<td>23-26</td>
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<tr>
<td>1903</td>
<td>Aug 7</td>
<td>Brake fails, Wallace Circus trains collide, Grand Trunk RR, Durand, MI</td>
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<tr>
<td>1905</td>
<td>Jun 17</td>
<td>Trains Collide, Western MD Road, near Patapsco Station, MD</td>
<td>23-26</td>
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2199 Cross-listed in Flooding.
2200 Cross-listed in Explosions and in Hazardous Materials incidents.
2201 Cross-listed in Fog as a Contributing Factor.
2202 Cross-listed in Road/Highway.
2203 Cross-listed in Flooding.
2204 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.
2205 Cross listed in Structural Failures (Bridge, Trestle)
2206 Cross-listed in Fog as a Contributing Factor.
101. 1855 -- Aug 29, RR Crossing Crash & Derailment, North PA RR, Burlington, NJ -- 25
102. 1870 -- May 12, Train Collision, Missouri Pacific RR, near Eureka, MO -- 25
103. 1872 -- Dec 24, Train Derailment and Fire, near Prospect Station, Goose Creek, NY -- 19-25
104. 1883 -- Jan 20, Train Derails, Southern Pacific Railroad, near Tehachapi, CA -- 15-25
105. 1907 -- Sep 15, Trains Collide, near Canaan, NH -- 25
106. 2008 -- Sep 12, Metrolink 111 and Union Pacific Train Collision, Chatsworth, CA -- 25
107. 1883 -- June 23, Trains Collide, Northern Pacific RR, Heron Station, MT -- 24
108. 1903 -- Jan 27, Trains Collide/burn, NJ Central RR, ~Graceland and Plainfield, NJ -- 23-24
109. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV -- 24
110. 1907 -- Feb 16, Electric Train Derailment, Harlem Div., NY Central Rail, Bronx -- 23-24
111. 1919 -- Dec 20, Trains Collide/Fire, near Onawa, ME -- 23-24
112. 1938 -- Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT -- 26
113. 1939 -- Aug 12, Violence (Sabotage), Train Derails, S. Pacific RR, Carlin, NV -- 24
114. 1947 -- Feb 18, Train Derails, Pennsylvania RR Red Arrow, near Altoona, PA -- 24
116. 1890 -- Aug 19, Train Derails, Cape Cod Express, Old Colony RR, ~Quincy, MA -- 23
117. 1901 -- July 10, Trains Collide head-on, Chicago & Alton Road, ~Norton, MO -- 21-23
118. 1903 -- Jul 07, Trains Collide, Rockfish Depot, 20 miles S of Charlottesville, VA -- 23-24
119. 1905 -- May 11, Trains Collide, blasting powder explodes/fire, SE Harrisburg, PA -- 23
120. 1910 -- July 04, Head-on Train Collision, Middletown, OH -- 23
121. 1912 -- July 05, Train Collision, Ligonier, PA -- 23
122. 1933 -- Sep 5, Passenger and Milk Trains Collide, Erie Railroad, Binghamton NY -- 14-23
123. 1959 -- June 28, Train Derailment, 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/Negligence/Competition, Grand Crossing, Chicago IL -- 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 OH -- 19-21
136. 1909 -- Jan 15, Train Collision, Denver and Rio Grande RR, Dotsero, CO -- 21
137. 1913 -- Sep 02, Trains Collide, North Haven CT -- 21

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2207 Cross-listed in Explosions and in Hazardous Materials.
2208 Cross-listed in Highway
2209 Cross-listed in Violence (Sabotage).
2210 Cross-listed in Explosions and in Hazardous Materials.
2211 Cross-listed in Hazardous Materials.
2212 Cross-listed in Highway (Bus)
2213 Cross-listed in Violence Subsections Mass Murder and Sabotage.
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<td>1867</td>
<td>Dec 11</td>
<td>Train goes into River, Central VT Railroad, near Northfield, VT</td>
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<tr>
<td>1877</td>
<td>Aug 29</td>
<td>Bridge washout, Train goes into Little Four Mile Creek, ~Des Moines, IA2215</td>
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<tr>
<td>1886</td>
<td>Sep 14</td>
<td>Trains Collide, Nickel-Plate Railroad, Silver Creek, NY</td>
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<tr>
<td>1887</td>
<td>Jan 04</td>
<td>Freight and Passenger Trains Collide Head-on, Fire, Republic, OH</td>
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<tr>
<td>1888</td>
<td>July 22</td>
<td>Trains Collide, Forest Depot, near Lynchburg, VA</td>
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<tr>
<td>1891</td>
<td>Aug 27</td>
<td>Train Derails off Boston’s Bridge, near Statesville, NC</td>
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<tr>
<td>1902</td>
<td>Dec 20</td>
<td>Train Collision, Stockton Flyer/LA Owl, Bryon Springs, CA</td>
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<tr>
<td>1903</td>
<td>Nov 19</td>
<td>Big Four Railway Freight and Work Trains Collide near Tremont, IL</td>
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<tr>
<td>1904</td>
<td>Jan 06</td>
<td>Two Rock Island Trains Collide, near Willard &amp; Topeka, KS</td>
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<tr>
<td>1904</td>
<td>July 03</td>
<td>Train Derails, Wabash Railroad, Litchfield, IL</td>
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<tr>
<td>1905</td>
<td>Nov 26</td>
<td>Trains Collide, Bakers Bridge, MA</td>
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<td>1908</td>
<td>Sep 25</td>
<td>Snowstorm, Trains Collide, Young’s Point, near Park City, MT</td>
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<tr>
<td>1911</td>
<td>Oct 28</td>
<td>Train Wreck, Union Pacific Railroad, near Cheyenne, WY</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1917</td>
<td>Feb 27</td>
<td>Trains Collide in Fog, Pennsylvania RR, Mount Union, PA2216</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1918</td>
<td>Oct 03</td>
<td>Train Runs into Passengers in Fog, East Bedford, OH2217</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1929</td>
<td>Jan 22</td>
<td>Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH2218</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1956</td>
<td>Sep 05</td>
<td>Trains Collide, Santa Fe Express trains, near Robinson, NM</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1961</td>
<td>Dec 14</td>
<td>Train and School Bus Collision, Auburn, CO2219</td>
<td>--</td>
<td>20</td>
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<tr>
<td>1878</td>
<td>Oct 08</td>
<td>Train Derailment, Old Colony Road, Wollaston, near Boston, MA</td>
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<td>19</td>
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<tr>
<td>1891</td>
<td>July 03</td>
<td>Freight and Passenger Trains Collide, Burn, at depot, Ravenna, OH</td>
<td>--</td>
<td>19</td>
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<tr>
<td>1911</td>
<td>Aug 13</td>
<td>Trains Collide, near North Branford, CT</td>
<td>--</td>
<td>19</td>
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<td>1926</td>
<td>Dec 23</td>
<td>Trains Collide, near Rockmart, GA</td>
<td>--</td>
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<tr>
<td>1945</td>
<td>June 15</td>
<td>Freight train car derails/hit by passenger train (cars derail), Milton, PA</td>
<td>--</td>
<td>19</td>
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<tr>
<td>1946</td>
<td>Dec 13</td>
<td>Train Collision, PRR’s Golden Triangle, near Coulter, OH</td>
<td>--</td>
<td>19</td>
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<tr>
<td>1898</td>
<td>Sep 5</td>
<td>Troy City Rail Car/D&amp;H Train Collide, Cohoes Crossing, Albany NY</td>
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<td>20; US 13-18</td>
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<tr>
<td>1911</td>
<td>May 29</td>
<td>Trains Collide/Fog, Chicago, Burlington &amp; Quincy RR, McCook, NE</td>
<td>--</td>
<td>18</td>
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<tr>
<td>1934</td>
<td>Dec 27</td>
<td>Boiler Explosion, Engine Hauling Mine Workers, McDunn WV2220</td>
<td>--</td>
<td>18</td>
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<tr>
<td>1951</td>
<td>Nov 12</td>
<td>Trains Collide, Snowstorm, Union Pacific Railroad, Evanston, WY</td>
<td>--</td>
<td>17-18</td>
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<tr>
<td>1878</td>
<td>Jan 14</td>
<td>Bridge Failure, Train Crash, CT Western RR, Tariffville, CT</td>
<td>--</td>
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<tr>
<td>1889</td>
<td>July 02</td>
<td>Flash Flood, Washout/Train Derailment, Fire, near Thaxton, VA2221</td>
<td>--</td>
<td>17</td>
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<tr>
<td>1895</td>
<td>Nov 16</td>
<td>Streetcar goes into Cuyahoga River, Cleveland, OH</td>
<td>--</td>
<td>17</td>
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</table>

2214 Cross-listed in Road/Highway.
2215 Cross-listed in Flooding. Storm heavy rainfall led to flooding which washed out the train bridge.
2216 Cross-listed in Fog as a Contributing Factor.
2217 Cross-listed in Fog as a Contributing Factor.
2218 Cross-listed in Highway and Winter Storm
2219 Cross-listed in Highway.
2220 Cross-listed in Rail.
2221 Cross-listed in Flash Flooding.
RAIL Events -- By MORTALITY (continued)

174. 1899 -- Jan 09, Trains Collide, Lehigh Valley Railroad near West Dunellen, NJ -- 17
175. 1901 -- Feb 21, “Nellie Bly” Train collision/fire, Rusling’s Siding, ~Bordentown, NJ-- 17
176. 1902 -- Jan 8, Trains Collide, “New Rochelle Car,” Park Avenue Tunnel, NYC -- 17
177. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explosions, Olean, NY2222-- 17
178. 1903 -- Oct 17, Fog, Work Trains Collide, Washington Crossing, near Trenton, NJ2223-- 17
179. 1903 -- Oct 31, Purdue Football Team Train Wreck, 18th St., Indianapolis, IN -- 17
180. 1904 -- Jul 10, Trains Collide, Greenwood Lake Div, Erie R.R., Midvale, NJ -- 17
181. 1909 -- Oct 08, Trains Collide, Topeka, KS -- 17
182. 1913 -- Oct 19, Train Derailment, Buckatunna, MS -- 17
183. 1918 -- Jan 14, Train Derailment and Collision, Hammond, TX -- 17
184. 1920 -- Jul 03, Trains Collide, Lackawanna & WY Valley RR, South Pittston, PA -- 17
185. 1951 -- Nov 25, New York and New Orleans Trains Collide near Woodstock, AL -- 17
186. 1893 -- Aug 26, Trains Collide, Harlem Road, Berlin, NY -- 16
187. 1901 -- Jun 26, Trestle weakened under Train, recent rain, near Peru, IN -- 16
188. 1908 -- Oct 15, Wildfire, Relief Train derails, burns, Nowicki Siding ~Metz, MI 2224-- 16
189. 1909 -- July 31, Electric Trains Collide Head-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, ~Vineyard Station, L.A., CA -- 16
192. 1919 -- Nov 1, Train Hits “Auto Truck” at Grade Crossing, Clarksboro, NJ -- 14-16
193. 1926 -- Jun 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, Train Crashes into Bus, Detroit, MI 2225-- 16
196. 1978 -- Feb 24, Train Derailment, Explosion, LPG Tank Car, Waverly, TN 2226-- 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, TN 2227-- 15
199. 1876 -- Mar 6, Bridge Fails under Train, Valley Div., B&O, Shenandoah Co., VA 2228-- 15
200. 1878 -- Aug 07, Train Collision, Panhandle Rail, near Mingo Junction, OH -- 15
201. 1883 -- Jan 23, Train Derails, Georges Creek & Cumberland Rd., ~Cumberland, WV -- 15
202. 1887 -- July 21, Train Derails, 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 ~Slattington, PA 2229-- 13-15
205. 1901 -- Aug 29, Train Derails, 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 Derails (broken rail), burns, ~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, WI 2230-- 15

2222 Cross-listed in Explosions and in Hazardous Materials.
2223 Cross-listed in Fog as a Contributing Factor.
2224 Cross-listed in Fire – Wildfires/Forest Fires. Total loss of life was 37-47.
2225 Cross-listed in Highway.
2226 Cross listed in Hazardous Materials.
2227 Cross-listed in Structural Failures – Bridges/Trestles.
2228 Cross-listed in Structural Failures – Bridges/Trestles.
2229 Cross-listed in Road/Highway -- Rail Crossing Collisions.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location Details</th>
<th>Mortality</th>
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<tbody>
<tr>
<td>1912</td>
<td>Nov 11</td>
<td>Trains Collide, Montz, LA</td>
<td>15</td>
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<tr>
<td>1912</td>
<td>Nov 13</td>
<td>Trains Collide, Indianapolis, IN</td>
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<tr>
<td>1918</td>
<td>Jul 20</td>
<td>Trains Collide, near Chelsea, MI</td>
<td>15</td>
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<tr>
<td>1918</td>
<td>Sep 17</td>
<td>Trains Collide, near Marshfield, MO</td>
<td>15</td>
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<tr>
<td>1919</td>
<td>Aug 14</td>
<td>Train &amp; Street Car Collide, Parmaco, near Parkersburg, WV</td>
<td>15</td>
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<tr>
<td>1920</td>
<td>Jun 09</td>
<td>Trains Collide, near Schenectady, NY</td>
<td>15</td>
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<tr>
<td>1859</td>
<td>Nov 01</td>
<td>Train Derails, Johnson Creek, WI</td>
<td>14</td>
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<td>1859</td>
<td>Dec 31</td>
<td>Train and Bridge Disaster, near Columbus, GA</td>
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<td>1873</td>
<td>Aug 16</td>
<td>Trains Collide, Chicago and Alton Railroad, Lemont, IL</td>
<td>14</td>
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<tr>
<td>1884</td>
<td>May 14</td>
<td>Trains Collide, Baltimore &amp; Ohio RR, near Connellsville, PA</td>
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<tr>
<td>1888</td>
<td>Jan 10</td>
<td>Train Derailment, Merrimac Riv. Bridge, Haverhill, MA</td>
<td>9-14</td>
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<tr>
<td>1891</td>
<td>Jul 4</td>
<td>Train cars go through fire-damaged trestle, Farm Sta., ~Charleston, WV&gt;14</td>
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<tr>
<td>1892</td>
<td>Sep 07</td>
<td>Train Wreck, near Eckenrode Mills, PA</td>
<td>14</td>
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<tr>
<td>1893</td>
<td>Oct 13</td>
<td>NY excursion train rear-ended by second train, depot, Jackson, MI --12-14</td>
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<td>1900</td>
<td>Sep 2</td>
<td>Milk and Excursion Trains Collide, Reading RR, Hatfield, PA</td>
<td>13-14</td>
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<tr>
<td>1902</td>
<td>Jul 4</td>
<td>Trolley's Collide, Mt. Lake RR, Bleecker Mt. ~Gloversville, NY</td>
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<tr>
<td>1903</td>
<td>Jan 28</td>
<td>Trains Collide/burn on Southern Pacific, Esmond, near Tucson, AZ -- &gt;14</td>
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<td>1907</td>
<td>Aug 30</td>
<td>Electric Trains Collide (Trolley &amp; Express), near Charleston, IL</td>
<td>14</td>
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<tr>
<td>1911</td>
<td>Jul 11</td>
<td>Train Derailment, Burr Crossing, Bridgeport, CT</td>
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<td>1916</td>
<td>Oct 1</td>
<td>Freight Train/Street Car (Trolley) Crossing Collision, Detroit, MI --10-14</td>
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<td>1919</td>
<td>Jan 13</td>
<td>Trains Collide, Fort Washington, PA (near Philadelphia)</td>
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<td>1929</td>
<td>Aug 18</td>
<td>Train Derailment, Henryetta, OK</td>
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<tr>
<td>1930</td>
<td>Feb 23</td>
<td>Train/Car/Train Collisions, near Kenosha, WI</td>
<td>14</td>
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<tr>
<td>1935</td>
<td>Apr 12</td>
<td>School Bus &amp; Train Collision, Grade-Crossing, Rockville, MD2231</td>
<td>14</td>
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<tr>
<td>1942</td>
<td>Sep 24</td>
<td>Three-Train Crash, Smith's Cut, so. of Frederick, ~Dickerson, MD</td>
<td>14</td>
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<tr>
<td>1948</td>
<td>Jan 01</td>
<td>Missouri Pacific Trains Collide, near Ottewill and Syracuse, MO</td>
<td>14</td>
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<tr>
<td>1960</td>
<td>Mar 01</td>
<td>Train and Oil Tank Truck Collide, Explosion, Bakersfield, CA2232</td>
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<td>1837</td>
<td>Aug 11</td>
<td>Trains Collide, Portsmouth &amp; Roanoke Line, near Suffolk, VA</td>
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<td>1853</td>
<td>Aug 12</td>
<td>Train Collision, Valley Falls Station, Pawtucket, RI</td>
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<tr>
<td>1886</td>
<td>Apr 7</td>
<td>Train Derails betw. Bardswell Ferry &amp; W. Durfield Station, MA</td>
<td>13</td>
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<tr>
<td>1891</td>
<td>May 19</td>
<td>Dynamite Explosion, Construction Train, near Tarrytown, NY2233</td>
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<td>1891</td>
<td>Jul 31</td>
<td>Train Wreck, near Louisville, KY</td>
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<td>1891</td>
<td>Dec 24</td>
<td>Train Wreck, NY Central and Hudson River RR, near Hastings NY</td>
<td>13</td>
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<tr>
<td>1892</td>
<td>May 20</td>
<td>Passenger/freight trains collide, Crooked Bayou near Goldman, AR -- 9-13</td>
<td></td>
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<td>1893</td>
<td>Aug 31</td>
<td>Bridge Fails, Train Wreck, near Chester, MA2234</td>
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<td>1894</td>
<td>Jan 15</td>
<td>Trains Collide, near Hoboken, NJ</td>
<td>11-13</td>
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<td>1902</td>
<td>Aug 6</td>
<td>Trains Collide head-on, Work and Freight, near Rhodes, IA</td>
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2230 Cross-listed in Road/Highway – Rail Crossing Collisions.
2231 Cross-listed in Highway-Bus.
2232 Cross-listed in Hazardous Materials Transportation and in Road/Highway.
2233 Cross-listed in Explosions and in Hazardous Materials Transportation.
2234 Cross-listed in Structural Failures – Bridge/Trestles.
RAIL Events – Deadliest American -- By MORTALITY (Cont.)

248. 1905 -- Oct 30, Atchison, Topeka & Santa Fe Train Derails near Kansas City, MO -- 13
249. 1906 -- July 03, Runaway Mine Car Hits Pedestrians, ~Portage, PA -- 11-13
250. 1912 -- July 14, Trains Collide, Western Springs, IL -- 13
251. 1913 -- Jun 19, Electric Trains Collide, S.F., Napa & Calistoga RR, near Vallejo, CA-- 13
252. 1918 -- Feb 25, Trains Collide, near Frost Station, SC -- 13
253. 1920 -- Sep 06, Trains Collide, Denver & Interurban RR, ~Globeville, CO -- 13
254. 1924 -- Jun 01, Train Derailment/Collision, Wabash RR, Williamsport, IN -- 13
255. 1947 -- Feb 17, Bus-Train Collision, Michigan City, IN \(^{2235}\) -- 13
256. 1966 -- Dec 28, Train hits stalled Oil Tank Truck at RR crossing, Fire, Everett, MA \(^{2236}\) -- 13
257. 1973 -- Jul 05, Propane Gas Railcar Fire/Explosion (Doxel Gas Co., Kingman AZ \(^{2237}\) -- 13

258. 1865 -- Feb 4-5, Bridge fails, train falls into Lee’s Creek, burns, ~Leesburg, OH \(^{2238}\), 11-12
259. 1884 -- Oct 02, Washout, Omaha RR construction Train Derails near Bayfield, WI -- 10-12
260. 1884 -- Nov 13, Sabotage, Houston & TX Central Train derails, ~Hempstead, TX \(^{2239}\), 9-12
261. 1885 -- Oct 18, Trains collide (3), near Jersey City, NJ -- 12
262. 1889 -- June 26, Three Trains Collide, Burn, Loyal Hanna Bridge, near Latrobe, PA -- 10-12
263. 1892 -- June 25, Trains Collide, Western Express, near Union Station, Harrisburg, PA -- 12
264. 1893 -- Sep 07, Trains Collide, Fort Wayne Route, near Colehour, IL -- 12
265. 1898 -- Nov 18, PA Train runs-down workmen, fog, Hackensack Meadows, NJ \(^{2240}\), 11-12
266. 1903 -- Jan 20, Trains Collide, Great Northern RR, ~Chiwakum, Chelan County, WA -- 12
267. 1905 -- Sep 11, 9th Avenue Elevated Train Derails on 53rd Street Curve, NY, NY -- 12
268. 1909 -- Jun 19, Trains Collide, Burns Harbor, IN -- 12
269. 1911 -- Apr 29, Train Derails, Penn. Railroad, Martin’s Creek Station, NJ -- 12
270. 1911 -- Dec 18, Trains Collide, Chicago, Milwaukee, St. Paul RR, Odessa, MN -- 12
271. 1917 -- July 1, Washout under track, Trolley into Niagara Riv., Niagara Co., NY -- 12
272. 1919 -- July 01, Trains Collide, Dunkirk, NY -- 12
273. 1925 -- Jun 08, Train Derail, Chesapeake & OH Railway, ~Converse, IN -- 12
274. 1929 -- July 09, Train Derail/Hit by Train, Erie Railroad, near Corning, NY -- 12
275. 1942 -- Jul 08, Liberty Bell Trolley, Freight Car Collide, near Norristown, PA -- 12
276. 1976 -- Feb 7, Train hits Camper-Truck of children, grade crossing, Beckemeyer, IL \(^{2241}\), 12

277. 1862 -- Nov 7, Ammunition explosion, train car, ~Lafourche station, Algiers, LA \(^{2242}\) -- ~11
278. 1865 -- Aug 15, Train collision “Fairfield” and “Bridgeport,” near Bridgeport, CT -- 11
279. 1873 -- Apr 19, Train Derail, Washed-out Bridge, Richmond Switch, RI \(^{2243}\) -- 11
280. 1875 -- July 5, Trains Collide, Long Island So. RR ~Far Rockaway Depot, LI, NY -- 11
281. 1877 -- Oct 4, Tropical storm flooding, rails wash out, train derails ~Kimberton, PA \(^{2244}\) -- 11

\(^{2235}\) Cross-listed in Highway-Bus.
\(^{2236}\) Cross-listed in Vehicular—Road/Highway
\(^{2237}\) Cross-listed in Explosions and in Hazardous Materials Transportation.
\(^{2238}\) Cross-listed in Structural Failures – Railroad Bridges and Trestles.
\(^{2239}\) Cross-listed in Violence, Sabotage.
\(^{2240}\) Cross-listed in Fog as a Contributing Factor.
\(^{2241}\) Cross-listed in Road/Highway.
\(^{2242}\) Today a section of New Orleans, annexed to the city as the 15th Ward in 1870. Cross-listed in Explosions.
\(^{2243}\) Cross-listed in Flash Flooding as well as under Bridge Failures.

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282. 1885 -- Dec 15, Train Collision, Georgia Pacific Rail, near Austell, GA -- 11
283. 1888 -- June 26, Trains Collide, Penn & Schuykill RR, Cable City, ~Shamokin PA -- 6-11
284. 1889 -- Dec 28, C&O Train Derails, Jary’s Run, near White Sulphur Springs, WV --10-11
286. 1892 -- Sep 21, Train Collision, Fort Wayne Railroad, Shreve, OH -- 11
287. 1896 -- Feb 06, Train Bridge Fails (repairmen die), Pequabuck Riv., East Bristol CT2246 --11
288. 1901 -- July 11, Nickel Plate RR Bridge Collapse, Train Crash, Springfield, PA2247 -- 11
289. 1903 -- Sep 27, Train Derails at Trestle, Southern. Rail Train # 97, Danville, VA -- 11
290. 1906 -- Jun 03, Trolley Upset, Providence, RI -- 11
291. 1906 -- Dec 23, Passenger & Freight Trains Collide in Fog, Enderlin, ND --10-11
292. 1910 -- Aug 08, Northwestern Pacific RR Train Crash, Ignacio, CA -- 11
293. 1912 -- Dec 03, Trains Collide, Dresden, OH -- 11
294. 1915 -- Oct 16, Flash Flood, Bridge Fails, Train Derails, Randolph, KS2248 -- 11
295. 1915 -- Nov 22, Trains Collide, Circus and Passenger, near Columbus, GA -- 11
296. 1916 -- Oct 15, Trains Collide, Burlington RR, Elwood, near Smithfield, NE -- 11
297. 1918 -- Sep 10, Trains Collide, near Birdsell, NE -- 11
298. 1925 -- Mar 22, Trains Collide in Dense Fog, Ricohoc, LA2249 -- 11
299. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM2250 -- 11
300. 1933 -- Dec 14, School Bus hit, Atlantic Coast Line Train, near Crescent City, FL2251 -- 11
301. 1936 -- Jan 24, Train hits car at crossing, all 11 members of family killed, Grabill, IN2252 --11
302. 1936 -- Mar 28, Grade Crossing Collision, Bus/Central Georgia Train, Bryon GA2253 -- 11
303. 1955 -- Aug 22, Grade Crossing, School Bus Hit by Train, Spring City, TN2254 -- 11
304. 1971 -- June 10, Amtrak train derails, northbound City of New Orleans, near Salem, IL--11
305. 1977 -- Feb 04, Train Derailment, Chicago Transit Authority Elevated “L,” IL -- 11
306. 1996 -- Feb 16, MARC 286 & Amtrak 29 Trains Collide/Fire ~Silver Spring, MD -- 11
307. 1999 -- Mar 15, Amtrak train & truck collision, grade crossing, Bourbonnais, IL2255 -- 11
308. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA2256 -- 11

**RAIL Events – Deadliest American -- By MORTALITY (Cont.)**

309. 1865 -- Mar 07, Trains Collide, Wash. Express, Camden & Amboy RR, Bristol, NJ -- 10
310. 1867 -- Sep 05, Branch River Bridge Fails, Naugatuck Train Fall ~Thomaston CT2257 -- 10
311. 1869 -- July 14, Trains Collide, Erie Express, Mast Hope, NY -- 10
312. 1871 -- July 25, Trains Collide, Toledo and Wabash Railroad, 16M ~St. Louis, MO -- 8-10

2244 Cross-listed in Hurricanes/Tropical Storms and Remnants.
2245 Cross-listed in Fog as a Contributing Factor.
2246 Cross-listed in Structural Failures.
2247 Cross-listed in Structural Failures -- Bridge/Trestles
2248 Cross-listed in Flash Flooding as well as under Bridge Failures.
2249 Listed as well under Fog.
2250 Cross-listed under Structural Failure (Bridge/Trestle).
2251 Cross-listed in Road/Highway/Vehicular Incidents.
2252 Cross-listed in Road/Highway/Vehicular Incidents.
2253 Cross-listed in Road/Highway/Vehicular Incidents.
2254 Cross-listed in Road/Highway/Vehicular Incidents.
2255 Cross-listed in Road/Highway/Vehicular Incidents.
2256 Cross-listed in Road/Highway/Vehicular Indidents, and in Violence/Manslaughter.
2257 Cross-listed in Structural Failures (Bridge/Trestle)
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
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<tbody>
<tr>
<td>1882</td>
<td>Jan 13</td>
<td>Hudson Riv. RR 2-Train Collision, Spuyten Duyvil, NY</td>
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<tr>
<td>1884</td>
<td>Aug 28/29</td>
<td>Orton’s Anglo-American Circus Train fire, near Greeley, CO</td>
<td></td>
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<tr>
<td>1886</td>
<td>Dec 31</td>
<td>Trains Collide/Fire, Southern Pacific Railroad, Devil’s River, TX</td>
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<tr>
<td>1887</td>
<td>Oct 10</td>
<td>Trains Collide, near Kout, IN</td>
<td></td>
<td>10</td>
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<tr>
<td>1888</td>
<td>Jul 12</td>
<td>Fat Nancy Trestle Failure/Train Wreck, ~Orange Court House VA</td>
<td></td>
<td>9-10</td>
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<tr>
<td>1888</td>
<td>Oct 16</td>
<td>Trains Collide, near Tamanend switch, PA</td>
<td></td>
<td>10</td>
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<tr>
<td>1889</td>
<td>Jan 14</td>
<td>Passenger and Freight Trains collide, burn, near Tallmadge, OH</td>
<td></td>
<td>8-10</td>
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<tr>
<td>1890</td>
<td>Feb 02</td>
<td>Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR</td>
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<td>9-10</td>
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<td>1891</td>
<td>July 12</td>
<td>Train Engine and train collide, scalding, near Aspen Junction, CO</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>1892</td>
<td>Jan 19</td>
<td>Train hits Clover Fishing Club Sleighbing party, St Louis, MO</td>
<td></td>
<td>~10</td>
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<tr>
<td>1893</td>
<td>Sep 16</td>
<td>Runaway Train Wreck, Brake Failure, near Lafayette, IN</td>
<td></td>
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<tr>
<td>1893</td>
<td>Sep 23</td>
<td>Train Wreck, Kingsbury, IN</td>
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<tr>
<td>1903</td>
<td>Feb 19</td>
<td>Trolley Car with HS students, Train collide at crossing, Newark, NJ</td>
<td></td>
<td>9-10</td>
</tr>
<tr>
<td>1903</td>
<td>June 19</td>
<td>Trains Collide Head-on, Illinois Central Railroad near Raymond, IA</td>
<td></td>
<td>10</td>
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<tr>
<td>1903</td>
<td>Dec 21</td>
<td>Train Wreck, St. Louis &amp; SF Train, near Fort Scott, KS</td>
<td></td>
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<tr>
<td>1905</td>
<td>Feb 01</td>
<td>Sleigh and Train Collision, Shawmut Crossing, near Arkport, NY</td>
<td></td>
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<tr>
<td>1905</td>
<td>Aug 20</td>
<td>Street Car and Freight Train Crossing Collision, Butte, MT</td>
<td></td>
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<tr>
<td>1905</td>
<td>Dec 7</td>
<td>Trains collide, Union Pacific freight/Overland Ltd., ~Rock Springs WY</td>
<td></td>
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<tr>
<td>1906</td>
<td>March 26</td>
<td>Bridge Fails Under Train, Drownings, near Natrona, WY</td>
<td></td>
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<tr>
<td>1906</td>
<td>May 04</td>
<td>Trains Collide, Clover Creek Junction, PA</td>
<td></td>
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<tr>
<td>1909</td>
<td>Aug 14</td>
<td>Head-on Train Collision, near Husted, CO</td>
<td></td>
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<tr>
<td>1910</td>
<td>Dec 19</td>
<td>Train Crash and Gas Explosion, Grand Central Station yard, NY</td>
<td></td>
<td>10</td>
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<tr>
<td>1911</td>
<td>March 25</td>
<td>Dixie Flyer Train breaks axle, Derails on Trestle, near Ocilla, GA</td>
<td></td>
<td>9-10</td>
</tr>
<tr>
<td>1913</td>
<td>Nov 13</td>
<td>Three Train coaches derail down embankment, near Clayton, AL</td>
<td></td>
<td>~10</td>
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<tr>
<td>1914</td>
<td>Sep 18</td>
<td>Malicious Vandalism, Train Derails, Livingston, AL</td>
<td></td>
<td>10</td>
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<tr>
<td>1916</td>
<td>Feb 22</td>
<td>Three Train Collision, near Milford, CT</td>
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<tr>
<td>1918</td>
<td>June 05</td>
<td>Trains Collide, near Burlington, VT</td>
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<tr>
<td>1920</td>
<td>March 14</td>
<td>Trains Collide, near Riverside, VT</td>
<td></td>
<td>10</td>
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<tr>
<td>1921</td>
<td>Feb 22</td>
<td>Trolleys collide head-on, 5-gallon gas can ignites, fire, Shelton, CT</td>
<td></td>
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<tr>
<td>1922</td>
<td>Aug 12</td>
<td>Train/Truck/Train Collisions, Annandale, MN</td>
<td></td>
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<tr>
<td>1925</td>
<td>Nov 12</td>
<td>Trains Collide in Fog near Monmouth Junction, NJ</td>
<td></td>
<td>10</td>
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<tr>
<td>1926</td>
<td>Sep 02</td>
<td>Trains Collide, near Monroe, MI</td>
<td></td>
<td>10</td>
</tr>
<tr>
<td>1927</td>
<td>Jan 22</td>
<td>Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>

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2258 Have not located sufficient material to be confident of the date or the number of fatalities.
2259 Cross-listed in Structural Failures (Bridge/Trestle)
2260 Cross-listed in Flooding and in Structural Failures, Rail Bridges and Trestles.
2261 Cross-listed in Road/Highway/Vehicular Incidents.
2262 Cross-listed in Flood and in Structural Failures, Bridges/Trestles.
2263 Cross-listed in Explosions.
2264 Cross-listed in Violence (other).
2265 All deaths due to fire and/or suffocation.
2266 Cross-listed in Fog as a Contributing Factor
2267 Cross-listed in Road/Highway/Vehicular Incidents.
347. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO\textsuperscript{2268} -- 10

RAIL Events – Deadliest American -- By MORTALITY (continued):

348. 1930 -- Jan 22, Train Hits School Bus, Berea, OH\textsuperscript{2269} -- 10
349. 1936 -- Nov 24, L Train rear-ended, North Shore Line Interurban, Chicago, IL -- 10
350. 1937 -- Oct 22, School Bus hit by Rock Island Line Train Rocket, Mason City, IA\textsuperscript{2270} -- 10
351. 1944 -- Sep 28 Trains Collide, North Western Railroad, near Missouri Valley, IA -- 10
352. 1944 -- Nov 08, Train Derailment, Southern Pacific Challenger, near Colfax, CA -- 9-10
353. 1950 -- Sep 02, Trains Collide, Milwaukee, WI -- 10
354. 1951 -- May 18, Penn. RR Red Arrow & Pittsburgh Flyer Collide ~Bryn Mawr PA -- 8-10
355. 1959 -- Mar 18, Car Hit by Train, Beavercreek Girlscouts, Beavercreek, OH\textsuperscript{2271} -- 10
356. 1964 -- May 11, Train hits station wagon with 8 children at crossing, ~Mesa, AZ\textsuperscript{2272} -- 10
357. 1977 -- Oct 02, Amtrak Train hits Pickup Truck at Crossing, Plant City, FL\textsuperscript{2273} -- 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 -- Jul 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
1891 -- June 19, Train Wreck, near Sauve plantation and New Orleans, LA\textsuperscript{2274} -- 6-8
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 Lmtd. Train, Cascades, ~Corea Station, WA\textsuperscript{2275} -- 7-8
1978 -- Feb 26, Train Derailment, Fog, Chlorine Release, Youngstown, FL\textsuperscript{2276} -- 8
1862 -- Jan 15, Train goes into canal at open drawbridge near St. George’s station, DE -- 7
1897 -- Sep 12, Train truck breaks, train derails, Iron Mt. Road, Hanson (I.T.), OK\textsuperscript{2277} -- 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, IL\textsuperscript{2278} -- 7
1890 -- Aug 22, Runaway Gravity Car, Mt. Penn Railroad, Mt. Penn, ~Reading, PA -- 5-6
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

\textsuperscript{2268} Cross-listed in Structural Failures (Bridge), and under Flash Flooding
\textsuperscript{2269} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2270} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2271} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2272} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2273} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2274} Cross-listed in Avalanche.
\textsuperscript{2275} Cross-listed in Avalanche.
\textsuperscript{2276} Cross-listed in Hazardous Materials.
\textsuperscript{2277} Sources consulted note that it was thought that two injured would also die, but we have not been able to verify.
\textsuperscript{2278} Cross-listed in Road/Highway/Vehicular Incidents.
1830 -- Dec, First U.S. Railroad Fatality, Baltimore & Ohio Line

1. 1837 -- Aug 11, Trains Collide, Portsmouth & Roanoke Line, near Suffolk, VA

2. 1853 -- Apr 25, Trains Collide/Negligence/Competition, Grand Crossing, Chicago, IL

3. 1853 -- May 6, New Haven Rail Train Goes Into River, South Norwalk, CT

4. 1853 -- Aug 12, Train Collision, Valley Falls Station, Pawtucket, RI

5. 1854 -- July 04, Two-Train Collision, Near Relay House, Baltimore, MD

6. 1854 -- Nov 01, Train Derailment, Chicago for Rock Island, IL

7. 1855 -- Aug 29, RR Crossing Crash & Derailment, North PA RR, Burlington, NJ

8. 1855 -- Nov 01, Bridge Failure Under Excursion Train, Gasconade, MO

9. 1856 -- July 17, Great Train Wreck, N. PA Railroad, Camp Hill/Ft. Washington, PA

10. 1856 -- Jun 28, Springbrook Bridge Fails Under Train, Mishawaka, IN

11. 1859 -- Nov 01, Train Derails, Johnson Creek, WI

12. 1859 -- Dec 31, Train and Bridge Disaster, near Columbus, GA

13. 1862 -- Jan 15, Train goes into canal at open drawbridge near St. George’s station, DE

14. 1864 -- July 15, Head-on Erie RR war-prisoner train/PA coal Train crash ~Shohola PA

15. 1864 -- Sep 01, Confederate Wounded Train Collision, Barnesville, GA

16. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO

17. 1865 -- Feb 4-5, Bridge fails, train falls into Lee’s Creek, burns, ~Leesburg, OH

18. 1865 -- March 7, Trains Collide, Wash. Express, Camden & Amboy RR, Bristol, NJ

19. 1865 -- Aug 15, Train collision “Fairfield” and “Bridgeport,” near Bridgeport, CT

20. 1867 -- Sep 05, Branch River Bridge Fails, Naugatuck Train Fall ~Thomaston CT

21. 1867 -- Dec 11, Train goes into River, Central VT Railroad, near Northfield, VT

22. 1867 -- Dec 18, Lake Shore and Michigan Southern Derailment/Fire, Angola NY

23. 1868 -- Apr 15, Broken Rail Train Derails/Fire, Carr’s Rock, Pike County, PA

24. 1869 -- July 14, Trains Collide, Erie Express, Mast Hope, NY

25. 1870 -- May 12, Train Collision, Missouri Pacific RR, near Eureka, MO

26. 1871 -- Feb 06, Train Collision, Wappingers Creek, New Hamburg, NY

27. 1871 -- July 03, Bridge Fails under Train, Harpeth River, near Nashville, TN

28. 1871 -- July 25, Trains Collide, Toledo and Wabash Railroad, 16M ~St. Louis, MO

29. 1871 -- Aug 26, Trains Collide, Eastern RR of Mass., Revere Station ~Boston MA

30. 1872 -- Dec 24, Train Derailment and Fire, near Prospect Station, Goose Creek, NY

31. 1873 -- Apr 19, Train Derail, Washed-out Bridge, Richmond Switch, RI

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2279 Cross-listed in Structural Failures – Bridges/Trestles.

2280 Cross-listed in Explosions.

2281 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.

2282 Cross-listed in Structural Failures – Railroad Bridges and Trestles.

2283 Cross-listed in Structural Failures (Bridge/Trestle)

2284 Cross-listed in Structural Failures – Brides/Trestles.

2285 Cross-listed in Flash Flooding and in Structural Failures – Bridges/Trestles.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Railroad</th>
<th>Results</th>
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<tbody>
<tr>
<td>1873</td>
<td>Aug 16</td>
<td>Trains Collide</td>
<td>Chicago and Alton Railroad</td>
<td>14</td>
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<tr>
<td>1875</td>
<td>July 05</td>
<td>Trains Collide</td>
<td>Long Island So. RR</td>
<td>11</td>
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<tr>
<td>1876</td>
<td>Mar 06</td>
<td>Bridge Fails</td>
<td>Valley Div., B&amp;O, Shenandoah Co., VA</td>
<td>15</td>
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<tr>
<td>1876</td>
<td>Dec 29</td>
<td>Bridge Collapse</td>
<td>Pacific Express, Ashtabula, OH</td>
<td>100</td>
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<tr>
<td>1877</td>
<td>Aug 29</td>
<td>Bridgewashout</td>
<td>Little Four Mile Creek, Des Moines, IA</td>
<td>20</td>
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<tr>
<td>1877</td>
<td>Oct 04</td>
<td>Tropical Storm</td>
<td>Far Rockaway Depot, Long Island So. RR</td>
<td>11</td>
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<tr>
<td>1876</td>
<td>Mar 06</td>
<td>Bridge Collapse</td>
<td>Valley Div., B&amp;O, Shenandoah Co., VA</td>
<td>15</td>
</tr>
<tr>
<td>1876</td>
<td>Dec 29</td>
<td>Bridge Crash</td>
<td>Pacific Express, Ashtabula, OH</td>
<td>100</td>
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<tr>
<td>1877</td>
<td>Aug 29</td>
<td>Bridgewashout</td>
<td>Little Four Mile Creek, Des Moines, IA</td>
<td>20</td>
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<tr>
<td>1878</td>
<td>Jan 14</td>
<td>Bridge Failure</td>
<td>Train Crash, CT Western RR, Tariffville, CT</td>
<td>17</td>
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<tr>
<td>1878</td>
<td>Aug 07</td>
<td>Train Collision</td>
<td>Panhandle Rail, near Mingo Junction, OH</td>
<td>15</td>
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<tr>
<td>1878</td>
<td>Oct 08</td>
<td>Train Derailment</td>
<td>Old Colony Road, Wollaston, near Boston, MA</td>
<td>19</td>
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<tr>
<td>1879</td>
<td>Oct 09</td>
<td>Rear-end Train</td>
<td>Michigan Central RR, Jackson, MI</td>
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**RAIL -- Train, Electric Rail, Streetcar, Trolley Events -- Chronological (continued)**

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Railroad</th>
<th>Results</th>
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<tbody>
<tr>
<td>1880</td>
<td>Aug 11</td>
<td>Trains Collide</td>
<td>West Jersey &amp; Atlantic Railroad</td>
<td>23-26</td>
</tr>
<tr>
<td>1880</td>
<td>Oct 9</td>
<td>Trains Collide</td>
<td>Pennsylvania Railroad</td>
<td>27-32</td>
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<tr>
<td>1882</td>
<td>Jan 13</td>
<td>Hudson Riv. RR</td>
<td>2-Train Collision</td>
<td>10</td>
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<tr>
<td>1883</td>
<td>Jan 19/20</td>
<td>Southern Pacific Railroad</td>
<td>Train Derails</td>
<td>14-25</td>
</tr>
<tr>
<td>1883</td>
<td>Jan 23</td>
<td>Train Derails</td>
<td>Georges Creek &amp; Cumberland Rd., (~Cumberland), WV</td>
<td>15</td>
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<tr>
<td>1883</td>
<td>Mar 30</td>
<td>Train Accident</td>
<td>Cincinnati So. Rail, Mason’s Station, OH</td>
<td>53</td>
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<tr>
<td>1883</td>
<td>June 23</td>
<td>Trains Collide</td>
<td>Northern Pacific RR, Heron Station, MT</td>
<td>24</td>
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<tr>
<td>1883</td>
<td>July 27</td>
<td>“Thousand Islands” Passenger Train</td>
<td>hits Railcar, Carlton, NY</td>
<td>17-23</td>
</tr>
<tr>
<td>1884</td>
<td>May 14</td>
<td>Trains Collide</td>
<td>Baltimore &amp; Ohio RR, near Connellsville, PA</td>
<td>14</td>
</tr>
<tr>
<td>1884</td>
<td>Aug 28/29</td>
<td>Orton’s Anglo-American Circus Train</td>
<td>fire, near Greeley, CO</td>
<td>10</td>
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<tr>
<td>1884</td>
<td>Oct 02</td>
<td>Washout, Omaha RR construction</td>
<td>Train Derails near Bayfield, WI</td>
<td>10-12</td>
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<tr>
<td>1884</td>
<td>Nov 13</td>
<td>Sabotage, Houston &amp; TX Central Train</td>
<td>derails, ~Hempstead, TX</td>
<td>9-12</td>
</tr>
<tr>
<td>1885</td>
<td>Oct 18</td>
<td>Trains collide (3)</td>
<td>near Jersey City, NJ</td>
<td>12</td>
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<tr>
<td>1885</td>
<td>Dec 15</td>
<td>Train Collision</td>
<td>Georgia Pacific Rail, near Austell, GA</td>
<td>11</td>
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<tr>
<td>1886</td>
<td>Apr 07</td>
<td>Train Derails between</td>
<td>Bardswell Ferry &amp; W. Durfield Station, MA</td>
<td>13</td>
</tr>
<tr>
<td>1886</td>
<td>Sep 14</td>
<td>Trains Collide</td>
<td>Nickel-Plate Railroad, Silver Creek, NY</td>
<td>20</td>
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<tr>
<td>1886</td>
<td>Oct 28</td>
<td>Train Derailment and Fire</td>
<td>near East Rio, WI</td>
<td>22</td>
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<tr>
<td>1886</td>
<td>Dec 31</td>
<td>Trains Collide/Fire</td>
<td>Southern Pacific Railroad, Devil’s River, TX</td>
<td>~10</td>
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<tr>
<td>1887</td>
<td>Jan 04</td>
<td>Freight and Passenger Trains</td>
<td>Collide Head-on, Fire, Republic, OH</td>
<td>~20</td>
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<tr>
<td>1887</td>
<td>Feb 05</td>
<td>Train Derails/Fire</td>
<td>Woodstock Bridge, White River, ~Hartford, VT</td>
<td>&gt;40</td>
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<tr>
<td>1887</td>
<td>Mar 14</td>
<td>Busey Bridge Collapses</td>
<td>Under Train, Roslindale, MA</td>
<td>23-37</td>
</tr>
</tbody>
</table>

2286 Cross-listed in Structural Failures – Brides/Trestles.
2287 Cross-listed in Structural Failures -- Bridges/Trestles.
2288 Cross-listed in Rail. Storm heavy rainfall led to flooding which washed out the train bridge.
2289 Cross-listed in Hurricanes/Tropical Storms and Remnants.
2290 Cross-listed in Violence, Sabotage
2291 Cross-listed in Structural Failures, Bridges.
63. 1887 -- July 21, Train Runs Into Work-Gang, Erie Railroad, near Hohokus, NY -- 15
64. 1887 -- July 27, Trains Collide, Chicago/Alton RR, between Hopedale & Delavan, IL -- 15
65. 1887 -- Aug 10, Great Chatsworth (IL) Trestle Failure/Train Wreck \textsuperscript{2292} -- 85
66. 1887 -- Sep 22~, Trains Collide, near Guthrie (Indian Territory), OK \textsuperscript{2293} -- ?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 Riv. Bridge, Haverhill, MA -- 9-14
69. 1888 -- Mar 17, Train Derails, Trestle Collapse, W. India Fast Mail Blackshear GA \textsuperscript{2294} -- 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, ~Shamokin PA -- 6-11
71. 1888 -- July 12, Fat Nancy Trestle Failure, Train Wreck, ~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, VA \textsuperscript{2295} -- 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, OR \textsuperscript{2296} -- 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, NY \textsuperscript{2297} -- 13
   1891 -- June 19, Train Wreck, near Saue plantation and New Orleans, LA \textsuperscript{2298} -- 6-8
85. 1891 -- July 03, Freight and Passenger Trains Collide, Burn, at depot, Ravenna, OH -- 19
86. 1891 -- July 4, Train cars go through fire-damaged trestle, Farm Sta., ~Charleston, WV -- >14
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 06, Trains Collide, Fog, West Shore Railroad, “Dutcher’s Cut,” NY \textsuperscript{2299} -- 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

\textsuperscript{2292} Cross-listed in Structural Failures, Bridges.
\textsuperscript{2293} Have not located sufficient material to be confident of the date or the number of fatalities.
\textsuperscript{2294} Cross-listed in Structural Failures, Rail Bridges and Trestles.
\textsuperscript{2295} Cross-listed in Flash Flooding.
\textsuperscript{2296} Cross-listed in Flooding and in Structural Failures, Rail Bridges and Trestles.
\textsuperscript{2297} Cross-listed in Explosions and in Hazardous Materials Transportation.
\textsuperscript{2298} Six reportedly killed in scant report of a “wreck” on June 19 and 2 survivors dying of injuries the next day.
\textsuperscript{2299} Cross-listed in Fog as a Contributing Factor.
92. 1892 -- Jan 19, Train hits Clover Fishing Club Sleighing party, St Louis, MO\(^{2300}\) -- ~10
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 07, Train Wreck, near Eckenrode Mills, PA -- 14
96. 1892 -- Sep 21, Train Collision, Fort Wayne Railroad, Shreve, OH -- 11

**RAIL -- Train, Electric Rail, Streetcar, Trolley Events -- CHRONOLOGICAL (continued)**

1893 -- Jan 18, Sleighing Party Hit by Train at grade crossing, Lonsdale, RI\(^{2301}\) -- 9
97. 1893 -- Jan 21, Express Train Collides into Oil Cars/fire/explos., Wann, ~Alton, IL\(^{2302}\) --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, MA\(^{2303}\) -- 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
111. 1897 -- Sep 12, Train truck breaks, train derails, Iron Mt. Road, Hanson (I.T.), OK\(^{2304}\) -- 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, NJ\(^{2305}\) --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 GA\(^{2306}\) -- 37
118. 1900 -- July 04, Trolley Car Derails, Tacoma, WA -- 43

\(^{2300}\) Cross-listed in Road/Highway.
\(^{2301}\) Cross-listed in Road/Highway.
\(^{2302}\) Cross-listed in Hazardous Materials incidents.
\(^{2303}\) Cross-listed in Structural Failures – Brides/Trestles.
\(^{2304}\) Sources consulted note that it was thought that two injured would also die, but we have not been able to verify.
\(^{2305}\) Cross-listed in Fog as a Contributing Factor.
\(^{2306}\) Cross-listed in Structural Failure-Trestle and Flooding.
RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (Cont.)

119. 1900 -- Sep 2, Milk and Excursion Trains Collide, Reading RR, Hatfield, PA --13-14
120. 1900 -- Aug 12, Train hits horse-drawn coach at grade crossing ~Slatington, PA 2307 --13-15

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, IN 2308-- 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, PA 2309 -- 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, PA 2310 --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

135. 1903 -- Jan 07, Trains Collide, Cochrane station, PA -- 8
136. 1903 -- Jan 20, Trains Collide, Great Northern RR, ~Chiwakum, Chelan County, WA--2-12
137. 1903 -- Jan 27, Trains Collide/burn, NJ Central RR, ~Graceland and Plainfield, NJ --23-24
138. 1903 -- Jan 28, Trains Collide/burn on Southern Pacific, Esmond, near Tucson, AZ -- >14
139. 1903 -- Feb 19, Trolley Car with HS students, Train collide at crossing, Newark, NJ-- 9-10
140. 1903 -- Mar 09, Train Wreck/Fire, delayed Oil/Gasoline Tanker Explos., Olean, NY 2311-17
141. 1903 -- Jun 19, Trains Collide Head-on, Illinois Central Railroad near Raymond, IA-- 10
142. 1903 -- Jul 07, Trains Collide, Rockfish Depot, 20 miles S of Charlottesville, VA --23-24
143. 1903 -- Aug 7, Brake fails, Wallace Circus trains collide, Grand Trunk RR, Durand, MI- 26
144. 1903 -- Sep 27, Train Derails at Trestle, Southern. Railway Train # 97, Danville, VA-- 11
145. 1903 -- Oct 17, Fog, Work Trains Collide, Washington Crossing, near Trenton, NJ 2312-- 17
146. 1903 -- Oct 31, Purdue Football Team Train Wreck, 18th St., Indianapolis, IN -- 17
147. 1903 -- Nov 14, Trains Collide and Burn, Illinois Central RR, near Kentwood, LA --30-40
148. 1903 -- Nov 19, Big Four Railway Freight and Work Trains Collide near Tremont, IL-- 20
149. 1903 -- Dec 21, Train Wreck, St. Louis & SF Train, Near Fort Scott, KS -- 10
150. 1903 -- Dec 23, Train Derailment, Baltimore & Ohio Railroad, Connelsville, PA -- 64
151. 1904 -- Jan 06, Two Rock Island Trains Collide, near Willard & Topeka, KS -- 20

2307 Cross-listed in Road/Highway -- Rail Crossing Collisions.
2308 Cross-listed in Structural Failure- Trestle Failure
2309 Cross-listed in Structural Failures – Bridge/Trestles
2310 Cross-listed in Explosions and in Hazardous Materials incidents.
2311 Cross-listed in Explosions and in Hazardous Materials.
2312 Cross-listed in Fog as a Contributing Factor.
152. 1904 -- Feb 19, Trains Collide, Dynamite Explodes, Jackson Station, NV -- 24
153. 1904 -- July 03, Train Derails, Wabash Railroad, Litchfield, IL -- 20
154. 1904 -- Jul 10, Trains Collide, Greenwood Lake Div, Erie R.R., Midvale, NJ -- 17
155. 1904 -- Aug 07, Train Trestle Fails, Train Wreck, Eden/Pueblo, CO\textsuperscript{2313} -- ~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 (Cont.)**

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 PA\textsuperscript{2314} -- 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 OH\textsuperscript{2315} -- 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, WY\textsuperscript{2316} -- 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 IN\textsuperscript{2317} -- 29-34
181. 1907 -- Jan 19, Trains Collide in Fog, Big Four Line, Fowler, IN\textsuperscript{2318} -- 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

\textsuperscript{2313} Cross-listed in Structural Failures, Bridges.
\textsuperscript{2314} Cross-listed in Explosions and in Hazardous Materials.
\textsuperscript{2315} Cross-listed in Violence Subsections Mass Murder and Sabotage.
\textsuperscript{2316} Cross-listed in Flood and in Structural Failures, Bridges/Trestles.
\textsuperscript{2317} Cross-listed in Explosions.
\textsuperscript{2318} Cross-listed in Fog as a Contributing Factor.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1907-09-15</td>
<td>Trains Collide, near Canaan, NH</td>
<td></td>
<td>25</td>
</tr>
<tr>
<td>1908-09-25</td>
<td>Snowstorm, Trains Collide, Young’s Point, near Park City, MT</td>
<td></td>
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<tr>
<td>1908-10-15</td>
<td>Wildfire, Relief Train derails, burns, Nowicki Siding – Metz, MI</td>
<td></td>
<td>15-16</td>
</tr>
</tbody>
</table>

**RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (Cont.)**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1909-01-15</td>
<td>Train Collision, Denver and Rio Grande RR, Dotsero, CO</td>
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<tr>
<td>1909-06-19</td>
<td>Trains Collide, Burns Harbor, IN</td>
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<tr>
<td>1909-02-22</td>
<td>Trains Collide in Fog, Delmar, DE</td>
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<tr>
<td>1909-07-31</td>
<td>Electric Trains Collide Head-on, Gibbs, near Coeur d’Alene, ID</td>
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<tr>
<td>1909-08-14</td>
<td>Aug 14, Head-on Train Collision, near Husted, CO</td>
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<tr>
<td>1909-10-08</td>
<td>Trains Collide, Topeka, KS</td>
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<td>17</td>
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<tr>
<td>1909-12-15</td>
<td>Dec 15, Train Derailment, Reedy Fork trestle, near Greensboro, NC</td>
<td></td>
<td>12-16</td>
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<tr>
<td>1910-03-01</td>
<td>Avalanche, two Trains Derailed, Stevens Pass, Wellington, WA</td>
<td></td>
<td>118</td>
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<tr>
<td>1910-03-21</td>
<td>Train Derailment, Rock Island, RR, Green Mt, Gladbrook, IA</td>
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</tr>
<tr>
<td>1910-07-04</td>
<td>Head-on Train Collision, Middletown, OH</td>
<td></td>
<td>23</td>
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<tr>
<td>1910-08-08</td>
<td>Aug 08, Northwestern Pacific RR Train Crash, Ignacio, CA</td>
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<td>11</td>
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<tr>
<td>1910-07-21</td>
<td>Train Derailment, Rock Island, RR, Green Mt, Gladbrook, IA</td>
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<tr>
<td>1910-07-04</td>
<td>Head-on Train Collision, Middletown, OH</td>
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<tr>
<td>1910-07-14</td>
<td>Trains Collide, Western Springs, IL</td>
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<tr>
<td>1911-07-11</td>
<td>Train Derailment, Burr Crossing, Bridgeport, CT</td>
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<td>1911-07-28</td>
<td>Head-on Train Collision, Bangor and Aroostook RR, Grindstone, ME</td>
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<td>8-9</td>
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<tr>
<td>1911-08-25</td>
<td>Train Derailment, Lehigh Valley Rail Road, Manchester, NY</td>
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<tr>
<td>1911-08-24</td>
<td>Train Collision with Hay Wagon at Crossing, Neenah, WI</td>
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<tr>
<td>1911-10-28</td>
<td>Train Wreck, Union Pacific Railroad, near Cheyenne, WY</td>
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<td>1911-12-18</td>
<td>Trains Collide, Chicago, Milwaukee, St. Paul RR, Odessa, MN</td>
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<tr>
<td>1912-03-18</td>
<td>Boiler Explo., Train Engine, So. Pacific Yard, San Antonio TX</td>
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<tr>
<td>1912-05-06</td>
<td>Train Derailment (poorly maintained roadbed) near Eastabuchie, MS</td>
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<tr>
<td>1912-07-04</td>
<td>Train Collision, Lackawanna Express, East Corning, NY</td>
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<tr>
<td>1912-07-05</td>
<td>Train Collision, Ligonier Valley Railroad, Ligonier, PA</td>
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<tr>
<td>1912-07-14</td>
<td>Trains Collide, Western Springs, IL</td>
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<td>13</td>
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<tr>
<td>1912-10-03</td>
<td>Train Derails, NY, New Haven &amp; Hartford RR, Westport, CT</td>
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<tr>
<td>1912-11-15</td>
<td>Nov 11, Trains Collide, Montz, LA</td>
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<tr>
<td>1912-11-13</td>
<td>Nov 13, Trains Collide, Indianapolis, IN</td>
<td></td>
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</tr>
</tbody>
</table>

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2319 Cross-listed in Fire – Wildfires/Forest Fires. Total loss of life was 37-47.
2320 Cross-listed in Avalanche.
2321 Cross-listed in Explosions.
2322 Cross-listed in Road/Highway – Rail Crossing Collisions
2323 Cross-listed in Explosions.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Severity</th>
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<tbody>
<tr>
<td>1912</td>
<td>Nov 19</td>
<td>Passenger Trains Collide near Granite, NC</td>
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<tr>
<td>1912</td>
<td>Dec 03</td>
<td>Trains Collide, Dresden, OH</td>
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<td>11</td>
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<tr>
<td>1913</td>
<td>Jun 19</td>
<td>Electric Trains Collide, S.F., Napa &amp; Calistoga RR, near Vallejo, CA</td>
<td></td>
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<tr>
<td>1913</td>
<td>Jul 13</td>
<td>Pacific Electric RR Trains Collide, ~Vineyard Station, L.A., CA</td>
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<tr>
<td>1913</td>
<td>Sep 02</td>
<td>Trains Collide, North Haven CT</td>
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<td>21</td>
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<tr>
<td>1913</td>
<td>Oct 19</td>
<td>Train Derailment, Buckatunna, MS</td>
<td></td>
<td>17</td>
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<tr>
<td>1913</td>
<td>Nov 13</td>
<td>Three Train coaches derail down embankment, near Clayton, AL</td>
<td></td>
<td>~10</td>
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<tr>
<td>1914</td>
<td>Aug 05</td>
<td>Trains Collide/Fire, KC and S. MO RR, Tipton Ford/Joplin, MO</td>
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<td>43</td>
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<tr>
<td>1914</td>
<td>Sep 15</td>
<td>Flooding, Bridge Washout &amp; Train Derailment, Lebanon, MO</td>
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<td>1914</td>
<td>Sep 18</td>
<td>Malicious Vandalism, Train Derails, Livingston, AL</td>
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<tr>
<td>1915</td>
<td>Sep 27</td>
<td>Rail Tank Car Gasoline Explosion, Ardmore, OK</td>
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<td>40-44</td>
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<tr>
<td>1915</td>
<td>Oct 16</td>
<td>Flash Flood, Bridge Fails, Train Derails, Randolph, KS</td>
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<tr>
<td>1915</td>
<td>Oct 19</td>
<td>Freight &amp; Pass. Trains Collide, Agawam Curve, near Chickasha, OK</td>
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<tr>
<td>1915</td>
<td>Nov 22</td>
<td>Trains Collide, Circus and Passenger, near Columbus, GA</td>
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<tr>
<td>1916</td>
<td>Feb 22</td>
<td>Three Train Collision, near Milford, CT</td>
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<tr>
<td>1916</td>
<td>Mar 29</td>
<td>Three Train Collision in Fog, NY Central RR, ~ Amherst, OH</td>
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<tr>
<td>1916</td>
<td>Aug 12</td>
<td>Runaway Trolley Car Collision, ~Ebensburg and Johnstown, PA</td>
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<td>26-27</td>
</tr>
<tr>
<td>1916</td>
<td>Oct 01</td>
<td>Freight Train/Street Car (Trolley) Crossing Collision, Detroit, MI</td>
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<td>10-14</td>
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<td>1916</td>
<td>Oct 15</td>
<td>Trains Collide, Burlington RR, Elwood, near Smithfield, NE</td>
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<tr>
<td>1916</td>
<td>Nov 7</td>
<td>Train goes through open drawbridge, ~ South Station, Boston, MA</td>
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<tr>
<td>1917</td>
<td>Feb 27</td>
<td>Trains Collide in Fog, Pennsylvania RR, Mount Union, PA</td>
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<tr>
<td>1917</td>
<td>Jul 1</td>
<td>Washout under track, Trolley into Niagara Riv., Niagara Co., NY</td>
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<tr>
<td>1917</td>
<td>Sep 28</td>
<td>Trains Collide, near Kellyville, OK</td>
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<tr>
<td>1917</td>
<td>Aug 13</td>
<td>Trains Collide, near North Branford, CT</td>
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<td>1917</td>
<td>Dec 20</td>
<td>Train Collision, Shepherdsville, KY</td>
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<tr>
<td>1918</td>
<td>Jan 14</td>
<td>Train Derailment and Collision, Hammond, TX</td>
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<td>1918</td>
<td>Feb 25</td>
<td>Trains Collide, near Frost Station, SC</td>
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<td>1918</td>
<td>Jun 05</td>
<td>Trains Collide, near Burlington, VT</td>
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<tr>
<td>1918</td>
<td>Jun 22</td>
<td>Trains Collide, Hammond Circus Train Wreck, Ivanhoe, IN</td>
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<tr>
<td>1918</td>
<td>Jul 9</td>
<td>“Great Nashville Tennessee” Train Wreck (rear-end collision) TN</td>
<td></td>
<td>89-101</td>
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<tr>
<td>1918</td>
<td>Jul 20</td>
<td>Trains Collide, near Chelsea, MI</td>
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</tbody>
</table>

2324 Cross-listed in Flooding
2325 Cross-listed in Violence (other).
2326 Cross-listed in Explosions and in Hazardous Materials.
2327 Cross-listed in Flash Flooding and in Structural Failures, Bridges.
2328 Cross listed in Fog as a Contributing Factor.
2329 Cross-listed in Fog as a Contributing Factor.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Deaths</th>
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<tbody>
<tr>
<td>1918</td>
<td>Sep 10</td>
<td>Trains Collide, near Birdsell, NE</td>
<td>11</td>
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<tr>
<td>1918</td>
<td>Sep 17</td>
<td>Trains Collide, near Marshfield, MO</td>
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<tr>
<td>1918</td>
<td>Oct 03</td>
<td>Train Runs into Passengers in Fog, East Bedford, OH</td>
<td>20</td>
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<tr>
<td>1918</td>
<td>Nov 01</td>
<td>Rapid Transit Train Derailment, Brooklyn, NY</td>
<td>97</td>
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<tr>
<td>1919</td>
<td>Jan 12</td>
<td>Trains Collide (rear-end), NY Central Railroad, South Byron, NY</td>
<td>20-22</td>
</tr>
<tr>
<td>1919</td>
<td>Jan 13</td>
<td>Trains Collide, Fort Washington, PA (near Philadelphia)</td>
<td>14</td>
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<tr>
<td>1919</td>
<td>July 01</td>
<td>Trains Collide, Dunkirk, NY</td>
<td>12</td>
</tr>
<tr>
<td>1919</td>
<td>Aug 14</td>
<td>Train &amp; Street Car Collide, Parmaco, near Parkersburg, WV</td>
<td>15</td>
</tr>
<tr>
<td>1919</td>
<td>Nov 1</td>
<td>Train Hits “Auto Truck” at Grade Crossing, Clarksboro, NJ</td>
<td>14-16</td>
</tr>
<tr>
<td>1919</td>
<td>Dec 20</td>
<td>Trains Collide/Fire, near Onawa, ME</td>
<td>23-24</td>
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<tr>
<td>1920</td>
<td>Mar 14</td>
<td>Trains Collide, near Riverside, VT</td>
<td>10</td>
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<tr>
<td>1920</td>
<td>Jun 09</td>
<td>Trains Collide, near Schenectady, NY</td>
<td>15</td>
</tr>
<tr>
<td>1920</td>
<td>Jul 03</td>
<td>Trains Collide, Lackawanna &amp; WY Valley RR, South Pittston, PA</td>
<td>17</td>
</tr>
<tr>
<td>1920</td>
<td>Sep 06</td>
<td>Trains Collide, Denver &amp; Interurban RR, ~ Globeville, CO</td>
<td>13</td>
</tr>
<tr>
<td>1921</td>
<td>Feb 22</td>
<td>Trolleys collide head-on, 5-gallon gas can ignites, fire, Shelton, CT</td>
<td>10</td>
</tr>
<tr>
<td>1921</td>
<td>Feb 27</td>
<td>Trains Collide, NY Central &amp; MI Central RR, Porter, IN</td>
<td>37</td>
</tr>
<tr>
<td>1921</td>
<td>Dec 5</td>
<td>Trains collide/burn, Philadelphia &amp; Reading RR ~Bryn Athyn, PA</td>
<td>26-27</td>
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<tr>
<td>1922</td>
<td>Aug 05</td>
<td>Trains Collide, MO Pacific Railroad, Sulphur Springs, MO</td>
<td>34</td>
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<tr>
<td>1922</td>
<td>Aug 12</td>
<td>Train/Truck/Train Collisions, Annandale, MN</td>
<td>10</td>
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<tr>
<td>1922</td>
<td>Dec 13</td>
<td>Trains Collide, Humble, TX</td>
<td>22</td>
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<tr>
<td>1923</td>
<td>Sep 27</td>
<td>Flooding, Bridge Washout/Train Derails, near Lockett, WY</td>
<td>31</td>
</tr>
<tr>
<td>1924</td>
<td>Feb 2</td>
<td>Interurban Traction Trains collide/fire, edge of Alfont, IN</td>
<td>19-21</td>
</tr>
<tr>
<td>1924</td>
<td>June 1</td>
<td>Train Derailment/Collision, Wabash RR, Williamsport, IN</td>
<td>13</td>
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<tr>
<td>1925</td>
<td>Mar 22</td>
<td>Trains Collide in Dense Fog, Ricohoc, LA</td>
<td>11</td>
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<tr>
<td>1925</td>
<td>June 8</td>
<td>Train Derail, Chesapeake &amp; OH Railway, ~ Converse, IN</td>
<td>12</td>
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<tr>
<td>1925</td>
<td>June 16</td>
<td>Train Derails, Rockport Crossing, near Hackettstown, NJ</td>
<td>50</td>
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<tr>
<td>1925</td>
<td>Nov 12</td>
<td>Trains Collide in Fog near Monmouth Junction, NJ</td>
<td>10</td>
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<tr>
<td>1926</td>
<td>Jun 16</td>
<td>Trains Collide, Pennsylvania Railroad, near Gray, PA</td>
<td>16</td>
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<tr>
<td>1926</td>
<td>Sep 02</td>
<td>Trains Collide, near Monroe, MI</td>
<td>10</td>
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<tr>
<td>1926</td>
<td>Sep 05</td>
<td>Train Derailment, Denver &amp; Rio Grande RR, near Waco, CO</td>
<td>30</td>
</tr>
</tbody>
</table>

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*2330 Cross-listed in Fog as a Contributing Factor.*

*2331 All deaths due to fire and/or suffocation.*

*2332 Cross-listed in Flooding.*

*2333 Cross-listed in Fog as a Contributing Factor.*

*2334 Cross-listed in Flooding.*

*2335 Cross-listed in Fog as a Contributing Factor.*
RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (Cont.)

276. 1926 -- Dec 23, Trains Collide, near Rockmart, GA -- 19

277. 1927 -- Oct 14, Interurban Railcar hits truck-trailer with people, Indianapolis, IN\textsuperscript{2336}--20-21

278. 1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX\textsuperscript{2337} -- 10

279. 1928 -- Aug 24, Subway Train Crash, 42\textsuperscript{nd} Street-Times Square Station, NYC NY -- 16

280. 1929 -- Jan 22, Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH\textsuperscript{2338} -- 20

281. 1929 -- July 09, Train Derail/Hit by Train, Erie Railroad, near Corning, NY -- 12

282. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO\textsuperscript{2339} -- 10

283. 1929 -- Aug 18, Train Derailment, Henryetta, OK -- 14

284. 1930 -- Jan 22, Train Hits School Bus, Berea, OH\textsuperscript{2340} -- 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\textsuperscript{2341} -- 22

287. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM\textsuperscript{2342} -- 11

288. 1933 -- Sep 5, 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, FL\textsuperscript{2343} -- 11

290. 1934 -- Dec 27, Boiler Explosion, Engine Hauling Mine Workers, McDunn WV\textsuperscript{2344} -- 18

291. 1935 -- Apr 12, School Bus & Train Collision, Grade-Crossing, Rockville, MD\textsuperscript{2345} -- 14

292. 1936 -- Jan 24, Train hits car at crossing, all 11 members of family killed, Grabill, IN\textsuperscript{2346} 11

293. 1936 -- Mar 28, Grade Crossing Collision, Bus/Central Georgia Train, Bryon GA\textsuperscript{2347} -- 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, IA\textsuperscript{2348} -- 10

296. 1938 -- Jun 19, Flash Flood, Bridge Fails, Train Crash, Miles City, MT\textsuperscript{2349} -- 47

297. 1938 -- Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT\textsuperscript{2350} -- 26

298. 1939 -- Aug 12, Violence (Sabotage), Train Derails, S. Pacific RR, Carlin, NV\textsuperscript{2351} -- 24

\textsuperscript{2336} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2337} Cross-listed in Mining.
\textsuperscript{2338} Cross-listed in Highway/Bus and in Winter Storms
\textsuperscript{2339} Cross-listed in Structural Failures (Bridge), and in Flooding
\textsuperscript{2340} Cross-listed in Highway/Bus
\textsuperscript{2341} Cross-listed in Highway/Bus
\textsuperscript{2342} Cross-listed in Structural Failure (Bridge/Trestle)
\textsuperscript{2343} Cross-listed in Highway Incidents – Bus.
\textsuperscript{2344} Cross-listed in Rail.
\textsuperscript{2345} Cross-listed in Highway Incidents – Bus.
\textsuperscript{2346} Cross-listed in Road/Highway/Vehicular Incidents.
\textsuperscript{2347} Cross-listed in Highway Incidents.
\textsuperscript{2348} Cross-listed in Highway Incidents – Bus.
\textsuperscript{2349} Cross-listed in Flash Floods and Structural Failures (Bridge/Trestles).
\textsuperscript{2350} Cross-listed in Highway
\textsuperscript{2351} Cross-listed in Violence (Sabotage)
299. 1940 -- Mar 14, Train hits farm workers Truck at Highway 83 Crossing, Alamo, TX

300. 1940 -- Apr 19, Train Derails, NY Central Lake Shore Limited, Little Falls, NY -- 30

301. 1940 -- July 31, Train Collision (head-on), Pennsylvania RR, Cuyahoga Falls, OH -- 43

**RAIL – Train, Electric Rail, Streetcar, Trolley Events – CHRONOLOGICAL (Cont.)**

302. 1942 -- July 08, Liberty Bell Trolley, Freight Car Collide, near Norristown, PA -- 12

303. 1942 -- Sep 24, Three-Train Crash, Smith’s Cut, so. of Frederick, ~Dickerson, MD -- 14

304. 1942 -- Oct 28, Train Crashes into Bus, Detroit, MI \(^{2353}\) -- 16

305. 1943 -- Aug 30, Lackawanna Limited Train Collision, near Wayland, NY -- 28-29

306. 1943 -- Sep 6, Congressional Limited Train Derailment, Frankford Junction, PA \(^{2354}\) - 79-81

307. 1943 -- Dec 16, Train Derailment, Atlantic Coast Line, 2\(^{nd}\) Crash, Rennert, NC --69-74

308. 1944 -- July 06, Troop Train Derailment, Jellico, TN -- 35

309. 1944 -- Sep 14, Train Collision (head-on), Chicago & East IL RR, 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, UT \(^{2355}\), 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 26, Train Collision, Advance Flyer & Exposition Flyer, Naperville, IL -- 47

317. 1946 -- Dec 13, Train Collision, PRR’s Golden Triangle, near Coulter, OH -- 19

318. 1947 -- Feb 17, Bus-Train Collision, Michigan City, IN \(^{2356}\) -- 13

319. 1947 -- Feb 18, Train Derails, Pennsylvania RR Red Arrow, near Altoona, PA -- 24

320. 1948 -- Jan 01, Missouri Pacific Trains Collide, near Otterville and Syracuse, MO -- 14

321. 1950 -- Feb 17, Train Collision, Rockville Centre Station, Rockville Centre, NY -- 31

322. 1950 -- May 25, Collision, Green Hornet Trolley/Gasoline Tank Truck, Chicago IL \(^{2357}\) - 34

323. 1950 -- Sep 11, Train Spirit of St. Louis Hits Troop Train, Fog, Isleta, OH -- 33

324. 1950 -- Sep 2, Trains Collide, Milwaukee, WI -- 10

325. 1950 -- Nov 22, Train Collision, Richmond Hill, Queens, NY -- 79

326. 1951 -- Feb 6, Speeding commuter train derails at temporary trestle, Woodbridge, NJ-- 85

\(^{2352}\) Cross-listed in Road/Highway.

\(^{2353}\) Cross listed in Highway Incidents -- Bus.

\(^{2354}\) Accounts then and since note either 79 or 80 deaths. We do not know which is correct. The range of 79-81 is due to our including as an indirect death that 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.

\(^{2355}\) Cross-listed in Fog as a Contributing Factor.

\(^{2356}\) Cross-listed in Highway Incidents.

\(^{2357}\) Cross-listed in Hazardous Materials incidents.
327. 1951 -- May 18, Penn. RR Red Arrow & Pittsburgh Flyer Collide ~Bryn Mawr PA -- 8-10
328. 1951 -- Nov 12, Trains Collide, Snowstorm, Union Pacific Railroad, Evanston, WY -- 17-18
329. 1951 -- Nov 25, New York and New Orleans Trains Collide near Woodstock, AL -- 17

**RAIL** – Train, Electric Rail, Streetcar, Trolley Events – **CHRONOLOGICAL** (Cont.)

330. 1953 -- Mar 27, Trains Collide, New York Central Line, near Conneaut, OH -- 21
331. 1955 -- Aug 22, Grade Crossing, School Bus Hit by Train, Spring City, TN\(^{2358}\) -- 11
332. 1956 -- Jan 22, Train Derailment, Santa Fe RR, Redondo Jct., Los Angeles, CA -- 30
333. 1956 -- Sep 05, Trains Collide, Santa Fe Express trains, near Robinson, NM -- 20
334. 1958 -- Sep 15, Train derails into water through open span of Newark Bay Bridge, NJ-- 48
335. 1959 -- Mar 18, Car Hit by Train, Beavercreek Girlscouts, Beavercreek, OH\(^{2359}\) -- 10
336. 1959 -- June 28, Train Derailment, LPG-Tank Rupture, Flash-Fire, Meldrim, GA\(^{2360}\) -- 23
337. 1960 -- Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA\(^{2361}\) -- 14
340. 1963 -- Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chula, CA\(^{2363}\) -- 32
341. 1964 -- May 11, Train hits station wagon with 8 children at crossing, ~Mesa, AZ\(^{2364}\) -- 10
342. 1966 -- Dec 28, Train hits stalled Oil Tank Truck at RR crossing, Fire, Everett, MA\(^{2365}\) -- 13
343. 1971 -- June 10, Amtrak train derails, northbound City of New Orleans, near Salem, IL-- 11
344. 1972 -- Oct 30, Trains Collide, Illinois Central Gulf Commuter Rail, Chicago, IL -- 45
345. 1973 -- Jul 05, Propane Gas Railcar Fire/Explosion (Doxel Gas Co., Kingman AZ\(^{2366}\) -- 13
346. 1976 -- Feb 7, Train hits Camper-Truck of children, grade crossing, Beckemeyer, IL\(^{2367}\) -- 12
347. 1977 -- Feb 04, L Train Crash Derailment, Lake and Wabash, Chicago, IL -- 11
348. 1977 -- Oct 02, Amtrak Train hits Pickup Truck at Crossing, Plant City, FL\(^{2368}\) -- 10
349. 1978 -- Feb 24, Train Derailment, Explosion, LPG Tank Car, Waverly, TN\(^{2369}\) -- 16
1978 -- Feb 26, Train Derailment, Fog, Chlorine Release, Youngstown, FL\(^{2370}\) -- 8
358. 1987 -- Jan 4, Amtrak 94 rear-ends Conrail ENS-121 freight train, Chase, MD -- 16

\(^{2358}\) Cross-listed in Highway Incidents.
\(^{2359}\) Cross-listed in Highway Incidents.
\(^{2360}\) Cross listed in Hazardous Materials.
\(^{2361}\) Cross-listed in Hazardous Materials and in Highway Incidents.
\(^{2362}\) Cross-listed in Highway.
\(^{2363}\) Cross-listed in Vehicular/Road/Highway events.
\(^{2364}\) Cross-listed in Road/Highway.
\(^{2365}\) Cross-listed in Vehicular—Road/Highway
\(^{2366}\) Cross-listed in Explosions and in Hazardous Materials Transportation.
\(^{2367}\) Cross-listed in Road/Highway.
\(^{2368}\) Cross-listed in Road/Highway.
\(^{2369}\) Cross listed in Hazardous Materials.
\(^{2370}\) Cross listed in Hazardous Materials.
350. 1993 -- Sep 22, Fog, Barge hits bridge, Amtrak train derails into water/fire, ~Mobile, AL\footnote{Cross-listed in Fog as a contributing factor and in Maritime.}
1995 -- Oct 25, School Bus stopped at crossing hit by Train, Fox River Grove, IL\footnote{Cross-listed in Vehicular/Road/Highway.}
351. 1996 -- Feb 16, MARC and Amtrak 29 Trains Collide/Fire, ~Silver Spring, MD  --  11
352. 1999 -- Mar 15, Amtrak train & truck collision, grade crossing, Bourbonnais, IL\footnote{Cross-listed in Highway Incidents.}  --  11
353. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA\footnote{Cross-listed in Vehicular/Highway, and in Violence/Manslaughter.}  --  11
354. 2008 -- Sep 12, Metrolink 111 and Union Pacific Train Collision, Chatsworth, CA  --  25
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, WY 2375 -- 46
2. 1989 -- Oct 17, Earthquake, Nimitz Highway Collapse, Loma Prieta, Northern CA 2376 -- 41
3. 1980 -- May 09, Freighter hits Sunshine Skyway Bridge, span collapse, Tampa, FL 2377 -- 35
4. 1950 -- May 25, Collision, Green Hornet Trolley & Gasoline Tank Truck, Chicago, IL 2378 -- 34
5. 1963 -- Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chualar, CA 2379 -- 32
6. 1940 -- Mar 14, Train hits farm workers Truck at Highway 83 Crossing, Alamo, TX 2380 -- 29
7. 1976 -- May 21, Yuba City High School Bus goes off Cliff, Yuba City, CA -- 29
8. 1944 -- Jan 06, Army Air Force Bus and Train Collide, Kingman Army Air Field, AZ -- 28
9. 1952 -- Aug 04, Greyhound Buses Collide Head-on /Fire, Waco, TX -- 28
10. 1958 -- Feb 28, School Bus Hits Truck, goes into River, Prestonsburg, KY -- 27
11. 1963 -- May 18, Farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL -- 27
12. 1988 -- May 14, Church Bus Hit by Drunk Driver, Carrollton, KY -- 27
13. 1938 -- Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT 2381 -- 26
14. 1931 -- Aug 03, Bus goes through open drawbridge, Sampit River ~Georgetown, SC 2382 -- 23
15. 2005 -- Sep 23, Hurricane Rita Nursing Home Bus Burns, Wilmer, TX -- 23
16. 1930 -- Apr 11, Train Hits Pickwick-Greyhound Bus, near Isleta, NM 2383 -- 22
17. 1942 -- Dec 22, Rockslide Crushes Passenger Bus, near Aliquippa, PA 2384 -- 22
18. 1999 -- May 9, Casino/Tour Bus Crashes into Concrete Wall, New Orleans, LA -- 22
19. 1927 -- Oct 14, Interurban Railcar hits truck-trailer with people, Indianapolis, IN 2385 -- 20-21
20. 1937 -- Mar 24, Blowout, Roller-Skate Team Bus Hits Bridge, Fire, Salem IL -- 21
21. 1957 -- June 06, Tractor-TRailer/Migrant Labor Truck Collision/Fire ~Fayetteville, NC-20-21
23. 1989 -- Sep 21, Truck/Mission School Bus Collision/Drowning, Alton, TX -- 21
24. 1929 -- Jan 22, Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH 2386 -- 20
25. 1934 -- July 22, Bus with defective brakes runs off road, Burns, Ossining, NY -- 19-20
27. 1944 -- Mar 20, Bus Slides off Market St. Bridge into Passaic River, ~Passaic, NJ -- 19-20
28. 1961 -- Dec 14, Train and School Bus Collision, Auburn, CO 2387 -- 20
29. 1968 -- Mar 07, Wrong-side/intoxicated driver’s auto hits Bus, fire, I-15, Baker, CA -- 20
30. 1980 -- June 5, Central Texas Charter Tour Bus goes off Highway 7, near Jasper, AR -- 20
31. 2018 -- Oct 6, Birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie, NY -- 20

2375 Cross-listed in Structural Collapse.
2376 Cross-listed in Earthquakes. There was a total of 67 fatalities.
2377 Cross-listed in Maritime and in Structural Collapse/Bridges. A bus and several cars fell; 22 fatalities on the bus.
2378 Cross-listed in Rail.
2379 Cross-listed in Rail.
2380 Cross-listed in Rail.
2381 Cross-listed in Rail.
2382 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.
2383 Cross-listed in Rail.
2384 Cross-listed in Landslides.
2385 Cross-listed in Rail.
2386 Cross-listed in Rail and Winter Storms.
2387 Cross-listed in Rail.
32. 1943 -- June 05, Army truck crashes through bridge over railroad near Nashville, TN -- 19
33. 1947 -- Aug 05, Worker/Gasoline Trucks Collide and Burn, near Waxahachie, TX 2388 -- 19
34. 1972 -- Dec 26, Bus/Truck Collision, U.S. 60-84, Fort Sumner, NM -- 19
35. 1974 -- Jan 19, Farm Labor Bus Crash/Submergence, Blythe, CA -- 19

ROAD/HWY/Vehicular -- Main List – Auto/Bus/Motorized Coach/Trolley/Truck/Van -- Mortality (continued)

36. 1922 -- Sep 11, Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA 2389-18
37. 1937 -- Jan 28, Tamiami Trail Tour Bus goes into Canal, near Coral Gables FL -- 17
38. 1941 -- Oct 26, Passenger Bus Hits Concrete Railing, Burns, Clanton, AL -- 17
39. 1959 -- June 08, Farm Labor Truck/Bus Crash, Fuel Explos./Fire, near Phoenix, AZ -- 17
40. 1991 -- Nov 29, Dust Storm, Massive I-5 Pileup, Coalinga, CA 2390 -- 17
41. 2008 -- Aug 8, Chartered Tour Bus Crash off Bridge, U.S. Highway 75, Sherman, TX -- 17
42. 1919 -- Nov 1, Train Hits “Auto Truck” at Grade Crossing, Clarksboro, NJ 2391 --14-16
43. 1942 -- Oct 28, Train Crashes into Bus, Detroit, MI 2392 -- 16
44. 1945 -- Nov 26, School Bus goes into Lake Chelan in Snowstorm, Chelan, WA -- 16
45. 1949 -- Aug 10, Greyhound Bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN -- 16
46. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16
47. 1900 -- Aug 12, Train hits horse-drawn coach at grade crossing ~Slatington, PA 2393 --13-15
48. 1911 -- Sep 24, Train Collision with Hay Wagon at Crossing, Neenah, WI 2394 -- 15
49. 2004 -- Oct 09, MCI Motorcoach Crash, I-55 near Turrell, AR -- 15
50. 2011 -- Mar 12, World Wide Travel Casino Tour Bus Crash, I-95, Bronx, NY -- 15
51. 1935 -- Apr 12, School Bus and Train Collision, Rockville, MD 2395 -- 14
52. 1935 -- Dec 22, Bus Drives Off River Drawbridge, Hopewell, VA -- 14
53. 1951 -- Aug 18, Beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI --11-14
54. 1957 -- June 13, Army Truck Skids into Piney Ford Creek, Ft. Campbell, KY -- 14
55. 1958 -- June 16, Migrant Farm Worker Truck Fire (spilled gasoline) Soledad, CA -- 14
56. 1960 -- Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA 2396 -- 14
57. 1972 -- May 13, Greyhound Bus/Freight Truck Collision, Bean Station, TN -- 14
58. 1994 -- July 03, Tractor Trailer rear-ends Family Van, Interstate 20, Weatherford, TX -- 14
59. 2002 -- May 26, Barge hits Bridge, Span Collapse, vehicles fall, Webbers Falls, OK 2397 -- 14
60. 2002 -- Sep 12, Speeding Van, off John’s Bridge btw Eagle & Churchill Lakes, ME -- 14
61. 2012 -- July 22, Pickup Truck with 23 illegals crashes, US Highway 59 ~Goliad, TX -- 14
62. 1947 -- Feb 17, Train Crew Bus-Train Collision, Michigan City, IN 2398 -- 13
63. 1963 -- Jun 10, Brakes fail, Boy Scouts in Truck goes off hill, ~Hole-in-the-Wall, UT -- 13

2388 Cross-listed in Hazardous Materials Transportation.
2389 Cross-listed in Structural Failures—Bridges.
2390 Cross-listed in Dust Storms.
2391 Cross-listed in Rail.
2392 Cross-listed in Rail.
2393 Cross-listed in Rail.
2394 Cross-listed in Rail.
2395 Cross-listed in Rail.
2396 Cross-listed in Hazardous Materials Transportation and in Rail.
2397 Cross-listed under Maritime and Structural Collapse.
2398 Cross-listed in Rail.
64. 1966 -- Dec 28, Train hits stalled Oil Tanker Truck at RR crossing, Fire, Everett, MA 2399 -- 13
65. 1973 -- Nov 03, Driver Heart Attack, Charter Bus Crash, I-880 near Sacramento, CA -- 13
67. 1999 -- Aug 09, Farm Worker Van Collides with Truck, Five Points, CA -- 13
68. 1999 -- Dec 04, Illegal Worker Van collides with 18-Wheeler, I-40 ~Albuquerque, NM-- 13
69. 2007 -- Aug 01, Interstate 35W Bridge Collapse, vehicles fall, Minneapolis, MN 2400 -- 13
70. 2016 -- Oct 23, Tour Bus runs into Semi, I-10, Indian Canyon near Palm Springs, CA -- 13
71. 2017 -- March 29, Pickup truck hits church bus head-on, Hwy 83 near Concan, TX -- 13

ROAD /Hwy/ Vehicular – Main List – Auto/Bus/Motorized Coach/Trolley/Truck/Van –
Mortality (continued)

72. 1940 -- Apr 21, Two Cars Collide Head-on (young people 17-23), Slayton, MN 2401 -- 12
73. 1942 -- Oct 03, Gasoline Tanker, Wagon, Bus collide, explosion ~Lumberton, NC 2402 -- 11-12
74. 1956 -- Dec 16, Car, inebriated driver, hits train at Crossing, SW Phoenix, AZ -- 12
75. 1957 -- Dec 16, Train hits Farm Worker Truck at RR Crossing, Vroman, CO -- 12
76. 1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA 2403 -- 11-12
77. 1959 -- Oct 09, Semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ-- 12
78. 1976 -- Feb 07, Train hits Camper-Truck of children, grade crossing, Beckemeyer, IL 2404 -- 12
79. 1990 -- Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN 2405 -- 12
80. 1994 -- Mar 09, Pickup Truck with 20 illegals wrecks, I-15 near Barstow, CA -- 12

81. 1933 -- Dec 14, School Bus hit, Atlantic Coast Line Train, near Crescent City, FL 2406 -- 11
82. 1936 -- Jan 24, Train hits car at crossing, all 11 members of family killed, Grabill, IN 2407 -- 11
83. 1936 -- Mar 28, Grade Crossing Collision, Bus & Central of Georgia Train, Bryon, GA 2408 11
84. 1943 -- Dec 14, War workers bus and tractor trailer collide, bus burns, ~Campbell, NY-- 11
85. 1954 -- July 31, Car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11
86. 1955 -- Aug 22, Grade Crossing, School Bus Hit by Train, Spring City, TN 2409 -- 11
87. 1961 -- June 30, Wrong-way, Cal. speeding pickup hits Cal. Station Wagon, Jean, NV-- 11
88. 1963 -- Nov 3, Car goes through inoperable dead-end warning into Harlem Riv., NYC-- 11
89. 1965 -- Aug 28, Collision Greyhound Bus & Timber Truck, Vinton, LA -- 11
90. 1981 -- Feb 18, Commuter Bus Crash, I-95, into Chopawamsic Creek ~Quantico, VA -- 11
91. 1983 -- Aug 10, Car/Tractor-Trailer Head-on Collision, Hwy 86 ~Coachella, CA -- 11
92. 1994 -- July 03, Tractor Trailer broadsides Pickup Truck near Snyder, west TX -- 11
93. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 ~Wenatchee, WA -- 11
94. 1997 -- July 29, Dump Truck Hits Pickup Truck, Albion, Concord Township, MI -- 11

2399 Cross-listed in Rail.
2400 Cross-listed in Structural Collapse/Bridges.
2401 This was at the time the deadliest “pleasure car” accident in the country.
2402 Cross-listed in Hazardous Materials Transportation.
2403 Cross-listed in Explosions and in Hazardous Materials Transportation.
2404 Cross-listed in Rail.
2405 Cross-listed in Fog as a Contributing Factor.
2406 Cross-listed in Rail.
2407 Cross-listed in Rail.
2408 Cross-listed in Rail.
2409 Cross-listed in Rail.
95. 1997 -- Sep 09, Van/Pickup Collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA -- 11
96. 1997 -- Nov 16, Highway Collision/Fog, Van and Semi, Mendota, CA2410 -- 11
97. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL2411 -- 11
98. 2001 -- Jan 26, Black Ice HWY Accident, Salvation Army Bus/Van, Will County, IL -- 11
99. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA2412 -- 11
100. 2009 -- June 6, Illegal Immigrant (22) smuggling SUV blowout/rolls, ~Sonoita, AZ -- 11
101. 2010 -- Mar 26, Highway Crash, Tractor-Trailer hits Van, ~Munfordville, KY -- 11
102. 2012 -- Jan 29, Smoke/Haze/Fog, Interstate 75 Pileup, south of Gainsville, FL -- 11

ROAD/HWY/Vehicular -- Main List – Auto/Bus/Motorized Coach/Trolley/Truck/Van Mortality (continued)

103. 1892 -- Jan 19, Train hits Clover Fishing Club Sleighing party, St Louis, MO2413 -- ~10
104. 1926 -- July 22, Bus with Brooklyn excursionists Overturns, near Nyack, NY -- 10
105. 1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX2414 -- 10
106. 1930 -- Jan 22, Train Hits School Bus, Berea, OH2415 -- 10
107. 1937 -- Oct 22, School Bus hit by Rock Island Line Train Rocket, Mason City, IA2416 -- 10
108. 1944 -- Nov 21, Car/Truck Collision, Butane Gas Tank Truck Explos., Denison, TX2417_10
109. 1949 -- Nov 10, Cotton Pickers Truck/Semi Collide, U.S. Hwy. 80 near Gila Bend, AZ--10
110. 1953 -- Mar 20, Family Killed, Truck and Car Collision, near Washington, NJ -- 10
111. 1954 -- June 7, Two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD-- 10
112. 1956 -- Oct 03, Two Automobiles collide head-on near Muncie, IN -- 10
113. 1959 -- Mar 18, Car Hit by Train, Beavercreek Girlscouts, Beavercreek, OH2418 -- 10
114. 1962 -- July 25, Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY2419_10
115. 1963 -- Sep 02, Two-Car Collision, TX State Highway 146 near Dayton, TX -- 10
116. 1964 -- May 11, Train hits station wagon with 8 children at crossing, near Mesa, AZ2420_10
117. 1967 -- Jun 23, Asphalt tanker truck and station wagon collide, Hardeeville, SC -- 10
118. 1972 -- Nov 7, Freighter Hits Sidney Lanier Bridge, Span Collapse, Brunswick GA2421 -- 10
119. 1975 -- Jul 3, Car/Truck-Camper Headon Collision, Rt/ 98 Navajo Reservation, no. AZ--10
120. 1977 -- Oct 02, Amtrak Train hits Pickup Truck at Crossing, Plant City, FL2422 -- 10
121. 1979 -- Apr 23, impaired driver pickup speeds through curve into trees ~Crofton, MD-- 10
123. 1982 -- Oct 8, Tractor Semitrailer collides head-on with church van near Lemoore, CA-- 10
124. 1983 -- Dec 23, Collision, Activity Bus/Semitrailer, near Devers, TX -- 10
125. 1985 -- Oct 6, Brush Fire Smoke, 33-Vehicle Pileup, I-5 near Sacramento, CA -- 10

2410 Cross-listed in Fog as a Contributing Factor.
2411 Cross-listed in Rail.
2412 Cross-listed in Rail, and in Violence/Manslaughter.
2413 Cross-listed in Rail.
2414 Cross-listed in Rail.
2415 Cross-listed in Rail.
2416 Cross-listed in Rail.
2417 Cross-listed in Explosions and in Hazardous Materials Transportation.
2418 Cross-listed in Rail.
2419 Cross-listed in Explosions.
2420 Cross-listed in Rail.
2421 Cross-listed under Maritime and Structural Collapse/Bridge.
2422 Cross-listed in Rail.
ROAD/HWY/Vehicular -- Main List -- Auto/Bus/Motorized Coach/Trolley/Truck/Van
Mortality (continued)

126. 1987 -- Apr 5, Flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter\(^{2423}\), NY--10
127. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX\(^{2424}\)--10
128. 1990 -- Jan 24, Farm Worker Van goes into Canal, curve in fog, near Clewiston, FL -- 10
129. 1995 -- Apr 09, Dust Storm-Related Vehicle Accidents, Bowie, AZ\(^{2425}\) -- 10
130. 1997 -- July 30, High Schoolers’ SUV in no-passing zone, hit by truck, ~Plymouth NC-- 10
131. 2000 -- Jan 23, Icy-road, Multi-vehicle Collision/Fire, I-29 near Platte City, MO -- 10
132. 2002 -- Oct 11, Fog, Multi Vehicle Pileup, I-43, near Cedar Grove, WI\(^{2426}\) -- 10
133. 2003 -- July 16, Car Collides with Car and Pedestrians, Santa Monica, CA -- 10
134. 2004 -- Sep 20, Tractor-trailer crosses median, hits Pickup and SUV, ~Sherman, TX-- 10
135. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip, ~Yuma, AZ-- 10
136. 2009 -- Jun 26, Tractor-Trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK-- 10
137. 2014 -- Apr 11, FedEx truck hits High School Charter Bus, I-5 near Orland, CA -- 10
138. 2015 -- Jan 14, TX Corrections Dept. Prison Bus skids off icy I-20, hits Train ~Penwell, TX-- 10

Other:

- 1893 -- Jan 18, Sleighing Party Hit by Train at grade crossing, Lonsdale, RI\(^{2427}\) -- 9
- 1912 -- Oct 7, Racing Cars Collide, Thirty-third Street Bridge, Philadelphia, PA -- 9
- 1919 -- Jan 26, Nitroglycerin explodes, wagon going through town of Big Heart, OK\(^{2428}\)--8-9
- 1936 -- July 18, Train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI-- 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
- 1983 -- March 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 TN\(^{2429}\)-- 9
- 1990 -- Feb 24, 32-car pileup at beginning of blizzard, I-75 north of Tipp City, OH -- 9
- 2003 -- Jan 2, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA -- 9
- 2008 -- Jan 6, Motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
- 2012 -- Dec 30, Road, 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 1, 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
1942 -- Feb 22, Train hits car at crossing, near Abingdon, VA -- 8
1943 -- July 04, Autos Collide, near Marienville, Northwest PA -- 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

\(^{2423}\) 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, which is 37 miles NW of Albany.

\(^{2424}\) Cross-listed under Flooding and Flash Floods.

\(^{2425}\) Cross-listed in Dust Storms.

\(^{2426}\) Cross-listed in Fog as a Contributing Condition.

\(^{2427}\) Cross-listed in Rail.

\(^{2428}\) Cross-listed in Explosions and in Hazardous Materials Events

\(^{2429}\) Cross-listed in Explosions and in Hazardous Materials Events.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Cross-listed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1977</td>
<td>July 14</td>
<td>Motor Home and car collide, rural road U.S. 69 near Stringtown, OK</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>1981</td>
<td>Mar 6</td>
<td>Mid-Valley High School Auto Crash, Underwood Road, Throop, PA</td>
<td>PA</td>
<td></td>
</tr>
<tr>
<td>1981</td>
<td>Nov 14</td>
<td>Hazardous material tanker sideswipes truck, explodes ~Canon City, CO</td>
<td>CO</td>
<td></td>
</tr>
<tr>
<td>1989</td>
<td>Apr 01</td>
<td>Hatchie River Bridge Collapse, 5 vehicles fall, near Covington, TN</td>
<td>TN</td>
<td></td>
</tr>
<tr>
<td>1999</td>
<td>Sep 25</td>
<td>Pileup/dust storm/high wind/wheat field under plow ~Pendleton OR</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>2001</td>
<td>Sep 15</td>
<td>Barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX</td>
<td>TX</td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>Mar 26</td>
<td>Retirement Home Bus Crashes into van, Dodge County, WI</td>
<td>WI</td>
<td></td>
</tr>
<tr>
<td>2008</td>
<td>Feb 16</td>
<td>Car hits street race spectators, Indian Head Highway, Accokeek, MD</td>
<td>MD</td>
<td></td>
</tr>
<tr>
<td>2010</td>
<td>Oct 2</td>
<td>Church bus tire blowout, crash into SUV and tractor-trailer, I-40 east TN</td>
<td>TN</td>
<td></td>
</tr>
<tr>
<td>1934</td>
<td>Nov 16</td>
<td>Auto’s Collide and Burn, Hensheytown, ~Bellwood and Altoona PA</td>
<td>PA</td>
<td></td>
</tr>
<tr>
<td>1942</td>
<td>Feb 26</td>
<td>Bus with airmen hit by train at RR Crossing in snow storm ~Enid, OK</td>
<td>OK</td>
<td></td>
</tr>
<tr>
<td>1942</td>
<td>Mar 07</td>
<td>Car and ammo truck collide, fire, delayed explosion, ~Selma, NC</td>
<td>NC</td>
<td></td>
</tr>
<tr>
<td>1944</td>
<td>July 2</td>
<td>Army Truck overturns, Farrington Hwy, Waialua, Oahu, hits pedestrians</td>
<td>Oahu</td>
<td></td>
</tr>
<tr>
<td>1951</td>
<td>Jan 28</td>
<td>Traffic Accident, Toccoa, Stephens County, GA</td>
<td>GA</td>
<td></td>
</tr>
<tr>
<td>1952</td>
<td>Jan 28</td>
<td>Tire blowout, Car hits bridge, goes into slough, US 54 ~Kingman, KS</td>
<td>KS</td>
<td></td>
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<tr>
<td>1959</td>
<td>Nov 09</td>
<td>Vehicular Accident, three trucks and one car, West Brooklyn, IL</td>
<td>IL</td>
<td></td>
</tr>
<tr>
<td>1969</td>
<td>Dec 14</td>
<td>Eastern Star Charter Bus slides off snowy road, Gap, ~Lancaster, PA</td>
<td>PA</td>
<td></td>
</tr>
<tr>
<td>1970</td>
<td>Jul 15</td>
<td>Hillel Day Sch., L.I., NY, Charter Bus Wreck, ~New Smithville, PA</td>
<td>PA</td>
<td></td>
</tr>
<tr>
<td>1977</td>
<td>Sep 24</td>
<td>Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY</td>
<td>KY</td>
<td></td>
</tr>
<tr>
<td>1982</td>
<td>Apr 07</td>
<td>HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA</td>
<td>CA</td>
<td></td>
</tr>
<tr>
<td>1983</td>
<td>Jan 19</td>
<td>Driver dozes, Semi hits cars/fire, toll booth, CT Turnpike, Stratford, CT</td>
<td>CT</td>
<td></td>
</tr>
<tr>
<td>1988</td>
<td>Aug 3</td>
<td>Multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR</td>
<td>OR</td>
<td></td>
</tr>
<tr>
<td>1994</td>
<td>Jan 30</td>
<td>Van apparently driven into path of tractor-trailer, near Howell, MI</td>
<td>MI</td>
<td></td>
</tr>
<tr>
<td>1994</td>
<td>Feb 8</td>
<td>Fargo ND Van hits Snowplow in Whiteout, I-94 near Alexandria, MN</td>
<td>MN</td>
<td></td>
</tr>
<tr>
<td>1995</td>
<td>Oct 25</td>
<td>School Bus stopped at road crossing hit by Train, Fox River Grove, IL</td>
<td>IL</td>
<td></td>
</tr>
<tr>
<td>2007</td>
<td>March 2</td>
<td>Bluffton Univ., OH Baseball Team Bus crash, Atlanta, GA</td>
<td>GA</td>
<td></td>
</tr>
<tr>
<td>2009</td>
<td>Jan 30</td>
<td>Tour Bus Crash (Loss of Control and Rollover), Dolan Springs, AZ</td>
<td>AZ</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>Jan 3</td>
<td>Multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL</td>
<td>FL</td>
<td></td>
</tr>
<tr>
<td>2019</td>
<td>June 21</td>
<td>Pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH</td>
<td>NH</td>
<td></td>
</tr>
<tr>
<td>1891</td>
<td>July 27</td>
<td>Minister’s Family Buggy hit by Train at Grade Crossing, Elmira, NY</td>
<td>NY</td>
<td></td>
</tr>
<tr>
<td>1934</td>
<td>Apr 15</td>
<td>Nevin Western Bus hits Truck on side of road, near Elyria, OH</td>
<td>OH</td>
<td></td>
</tr>
<tr>
<td>1953</td>
<td>May 29</td>
<td>Speeding Car and 10-ton Power Shovel Collide, South China, ME</td>
<td>ME</td>
<td></td>
</tr>
<tr>
<td>1959</td>
<td>June 08</td>
<td>Family Killed, Auto/Trucks Collide, ~Duncansville, Western PA</td>
<td>PA</td>
<td></td>
</tr>
</tbody>
</table>

2430 Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.
2431 Cross-listed in Structural Collapse/Bridges.
2432 Cross-listed in Dust Storms.
2433 Cross-listed in Automobile Racing.
2434 The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
2435 Cross-listed in Explosions.
2436 Cross-listed in Hazardous Materials.
2437 Cross-listed in Rail.
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 -- March 20, Car skids on icy US 69 curve into path of truck, near Cameron, MO -- 6
1969 -- June 4, Automobiles Collide, near Slippery Rock, western PA -- 6
1969 -- Nov 29, Multiple-vehicle collisions in fog, fires, NJ Turnpike, no. of Gate 2 -- 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
2017 -- June 19, Dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM 2438 -- 6
2019 -- Jan 6, drunk driver going wrong way, I-75, hits MI family car, Lexington, KY -- 6

ROAD/HWY/Vehicular -- Main List -- Auto/Bus/Motorized Coach/Trolley/Truck/Van
By Mortality (continued)

1935 -- Aug 20, Vehicles Collide, wet road, car slides into bus path, near Bowie, MD -- 5
1953 -- Oct 9, Car and Motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5
1958 -- Apr 4, Car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR -- 5
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 ~15 miles W of Las Vegas, NV -- 5
2016 -- Nov 21, Woodmore elementary school bus crash, Brainerd ~Chattanooga, TN -- 5

2438 Cross-listed in Dust Storms.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1891</td>
<td>July 27</td>
<td>Minister’s Family Buggy hit by Train at Grade Crossing, Elmira, NY</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>1892</td>
<td>Jan 19</td>
<td>Train hits Clover Fishing Club Sleighing party, St Louis, MO</td>
<td>~10</td>
<td></td>
</tr>
<tr>
<td>1893</td>
<td>Jan 18</td>
<td>Sleighing Party Hit by Train at grade crossing, Lonsdale, RI</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>1892</td>
<td>Jan 19</td>
<td>Train hits horse-drawn coach at grade crossing ~Slattington, PA</td>
<td>13-15</td>
<td></td>
</tr>
<tr>
<td>1911</td>
<td>Sep 24</td>
<td>Train Collision with Hay Wagon at Crossing, Neenah, WI</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>1912</td>
<td>Oct 07</td>
<td>Racing Cars Collide, Thirty-third Street Bridge, Philadelphia, PA</td>
<td>9</td>
<td></td>
</tr>
<tr>
<td>1919</td>
<td>Jan 26</td>
<td>Nitroglycerin explodes, wagon going through town of Big Heart, OK</td>
<td>8-9</td>
<td></td>
</tr>
<tr>
<td>1919</td>
<td>Nov 1</td>
<td>Train Hits “Auto Truck” at Grade Crossing, Clarksboro, NJ</td>
<td>14-16</td>
<td></td>
</tr>
<tr>
<td>1922</td>
<td>Sep 11</td>
<td>Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA</td>
<td>2445-18</td>
<td></td>
</tr>
<tr>
<td>1926</td>
<td>Jul 22</td>
<td>Bus with Brooklyn excursionists Overturns, near Nyack, NY</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>1926</td>
<td>Nov 1</td>
<td>Truck hits Street Car head-on, is hit by following truck, Fire, Dayton, OH</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>1927</td>
<td>Jan 22</td>
<td>Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>1927</td>
<td>Oct 14</td>
<td>Interurban Railcar hits truck-trailer with people, Indianapolis, IN</td>
<td>20-21</td>
<td></td>
</tr>
<tr>
<td>1929</td>
<td>Jan 22</td>
<td>Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH</td>
<td>20</td>
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</tr>
<tr>
<td>1930</td>
<td>Jan 22</td>
<td>Train Hits School Bus, Berea, OH</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>1930</td>
<td>Apr 11</td>
<td>Train Hits Pickwick-Greyhound Bus, near Isleta, NM</td>
<td>22</td>
<td></td>
</tr>
<tr>
<td>1931</td>
<td>Aug 03</td>
<td>Bus goes through open drawbridge, Sampit River ~Georgetown, SC</td>
<td>23</td>
<td></td>
</tr>
<tr>
<td>1933</td>
<td>Dec 14</td>
<td>School Bus hit, Atlantic Coast Line Train, near Crescent City, FL</td>
<td>11</td>
<td></td>
</tr>
<tr>
<td>1934</td>
<td>Apr 15</td>
<td>Nevin Western Bus hits Truck on side of road, near Elyria, OH</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>1934</td>
<td>July 22</td>
<td>Bus with defective brakes runs off road, Burns, Ossining, NY</td>
<td>19-20</td>
<td></td>
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<tr>
<td>1934</td>
<td>Nov 16</td>
<td>Auto’s Collide and Burn, Hensheytown, ~Bellwood and Altoona, PA</td>
<td>7</td>
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<tr>
<td>1935</td>
<td>Apr 12</td>
<td>School Bus and Train Collision, Rockville, MD</td>
<td>14</td>
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<tr>
<td>1935</td>
<td>Aug 20</td>
<td>Vehicles Collide, wet road, car slides into bus path, near Bowie, MD</td>
<td>5</td>
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<tr>
<td>1935</td>
<td>Dec 22</td>
<td>Bus Drives Off River Drawbridge, Hopewell, VA</td>
<td>14</td>
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<tr>
<td>1936</td>
<td>Jan 24</td>
<td>Train hits car at crossing, all 11 members of family killed, Grabill, IN</td>
<td>11</td>
<td></td>
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<tr>
<td>1936</td>
<td>Jan 31</td>
<td>Hwy. Accident &amp; Fire, Prison Transport Bus, Scottsboro, AL</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

2439 Cross-listed in Rail.
2440 Cross-listed in Rail.
2441 Cross-listed in Rail.
2442 Cross-listed in Rail.
2443 Cross-listed in Explosions and in Hazardous Materials.
2444 Cross-listed in Rail.
2445 Cross-listed in Structural Failures—Bridges.
2446 Cross-listed in Rail.
2447 Cross-listed in Rail.
2448 Cross-listed in Rail and Winter Storms.
2449 Cross-listed in Rail.
2450 Cross-listed in Rail.
2451 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.
2452 Cross-listed in Rail.
2453 Cross-listed in Rail.
2454 Cross-listed in Rail.
19. 1936 -- Mar 28, Grade Crossing Collision, Bus & Central of GA Train, Bryon, GA\textsuperscript{2455} -- 11
   1936 -- July 18, Train hits car/9 occupants, crossing near Dundee, near Ann Arbor, MI\textsuperscript{2456} -- 9
20. 1937 -- Jan 28, Tamiami Trail Tour Bus goes into Canal, near Coral Gables FL -- 17
21. 1937 -- Mar 24, Blowout, Roller-Skate Team Bus Hits Bridge, Fire, Salem IL -- 21
22. 1937 -- June 26, Automobiles collide head-on, west of Erick, OK -- 6
23. 1937 -- Oct 22, School Bus hit by Rock Island Line Train Rocket, Mason City, IA\textsuperscript{2457} -- 10
24. 1938 -- Nov 19, Auto with 7 Crippled Children Falls into Mine-Pit, Wilkes-Barre, PA -- 8
25. 1938 -- Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT\textsuperscript{2458} -- 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, TX\textsuperscript{2459} -- 29
25. 1940 -- Apr 21, Two Cars Collide Head-on (young people 17-23), Slayton, MN\textsuperscript{2460} -- 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, NC\textsuperscript{2461} -- 7
27. 1942 -- Oct 03, Gasoline Tanker/Wagon/Bus/Collision, near Lumberton, NC -- 11-12
28. 1942 -- Oct 22, Train Crashes into Bus, Detroit, MI\textsuperscript{2462} -- 16
29. 1942 -- Dec 22, Rockslide Crushes Passenger Bus, near Alaquippa, PA\textsuperscript{2463} -- 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, 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, ~Passaic, NJ -- 19-20
   1944 -- July 2, USA Truck overturns, Farrington Hwy, Waialua, Oahu, hits pedestrians-- 7
34. 1944 -- Nov 21, Car/Truck Collision, Butane Gas Tank Truck Explos., Denison, TX\textsuperscript{2464} -- 10
35. 1945 -- Nov 26, School Bus goes into Lake Chelan in Snowstorm, Chelan, WA -- 16
36. 1947 -- Feb 17, Train Crew Bus-Train Collision, Michigan City, IN\textsuperscript{2465} -- 13
37. 1947 -- Aug 05, Worker/Gasoline Trucks Collide and Burn, near Waxahachie, TX -- 19
38. 1949 -- Aug 10, Greyhound Bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN -- 16
39. 1949 -- Nov 10, Cotton Pickers Truck/Semi Collide, U.S. Hwy. 80 near Gila Bend, AZ-- 10
40. 1950 -- May 25, Collision, Green Hornet Trolley & Gasoline Tank Truck, Chicago, IL\textsuperscript{2466}-- 34

\textsuperscript{2455} Cross-listed in Rail.
\textsuperscript{2456} Cross-listed in Rail.
\textsuperscript{2457} Cross-listed in Rail.
\textsuperscript{2458} Cross-listed in Rail.
\textsuperscript{2459} This was at the time the deadliest “pleasure car” accident in the country.
\textsuperscript{2460} The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.
\textsuperscript{2461} Cross-listed in Explosions.
\textsuperscript{2462} Cross-listed in Rail.
\textsuperscript{2463} Cross-listed in Landslides.
\textsuperscript{2464} Cross-listed in Explosions and in Hazardous Materials.
\textsuperscript{2465} Cross-listed in Rail.
\textsuperscript{2466} Cross-listed in Rail.
1951 -- Jan 28, Traffic Accident, Toccoa, Stephens County, GA -- 7
41. 1951 -- Aug 18, Beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI --11-14
1952 -- Jan 28, Tire blowout, Car hits bridge, goes into slough, US 54 ~Kingman, KS -- 7
42. 1952 -- Aug 04, Greyhound Buses Collide Head-on /Fire, Waco, TX -- 28
43. 1953 -- Mar 20, Family Killed, Truck and Car Collision, near Washington, NJ -- 10
1953 -- May 29, Speeding Car and 10-ton Power Shovel collide, South China, ME -- 6
1953 -- Oct 09, Car and Motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5
44. 1954 -- June 7, Two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD -- 10
45. 1954 -- July 31, Car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11
46. 1955 -- Aug 22, Grade Crossing, School Bus Hit by Train, Spring City, TN 2466 -- 11
1955 -- Nov 18, Truck drives into path of train at crossing near Newport, MI -- 9
47. 1956 -- Oct 3, Two Automobiles collide head-on near Muncie, IN -- 10
48. 1956 -- Dec 16, Car, inebriated driver, hits train at Crossing, SW Phoenix, AZ -- 12
49. 1957 -- June 6, Tractor-Trailer/Migrant Labor Truck Collision/Fire ~Fayetteville, NC --20-21
50. 1957 -- June 11, Train hits Farm Worker Truck at RR Crossing, Vroman, CO -- 12
51. 1957 -- June 13, Army Truck Skids into Piney Ford Creek, Ft. Campbell, KY -- 14
52. 1958 -- Feb 28, School Bus Hits Truck, goes into River, Prestonsburg, KY -- 27
53. 1958 -- April 4, Car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR -- 5
54. 1958 -- June 16, Migrant Farm Worker Truck Fire (spilled gasoline) Soledad, CA -- 14
55. 1959 -- March 18, Car Hit by Train, Beaver Creek Girlscouts, Beaver Creek, OH 2467 -- 10
56. 1959 -- June 2, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA 2468 --11-12
57. 1959 -- June 6, Farm Labor Truck/Bus Crash, Fuel Explos./Fire, near Phoenix, AZ -- 17
58. 1959 -- June 8, Family Killed, Auto/Trucks Collide, ~Duncansville, Western PA -- 6
59. 1959 -- Nov 9, Vehicular Accident, three trucks and one car, West Brooklyn, IL -- 7
60. 1959 -- Dec 18, Car tries to beat train across road at crossing, Fowlerville, MI -- 8
61. 1959 -- Dec 25, Car collides with concrete abutment, Hwy 9-W near Haverstraw, NY -- 8

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

57. 1960 -- Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA 2469 -- 14
60. 1962 -- July 25, Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY 2471-- 10
61. 1963 -- May 18, Farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL -27
62. 1963 -- June 10, Brakes fail, Boy Scouts in truck goes off hill, ~Hole-in-the-Wall, UT -- 13
63. 1963 -- Sep 02, Two-Car Collision, TX State Highway 146 near Dayton, TX -- 10
64. 1963 -- Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chula, CA 2472 -- 32

2466 Cross-listed in Rail.
2467 Cross-listed in Rail
2468 Cross-listed in Explosions.
2469 Cross-listed in Hazardous Materials and in Rail.
2470 Cross-listed in Rail.
2471 Cross-listed in Explosions.
2472 Cross-listed in Rail.
65. 1963 -- Nov 3, Car goes through inoperable dead-end warning into Harlem Riv., NYC-- 11 
1964 -- March 20, Car skids on icy US 69 curve into path of truck, near Cameron, MO-- 6 
66. 1964 -- May 11, Train hits station wagon with 8 children at crossing, near Mesa, AZ. 10 
67. 1965 -- Aug 28, Collision Greyhound Bus & Timber Truck, Vinton, LA -- 11 
68. 1966 -- Dec 28, Train hits stalled Oil Tanker Truck at RR crossing, Fire, Everett, MA -- 13 
69. 1967 -- Jun 23, Asphalt tanker truck and station wagon collide, Hardeeville, SC -- 10 
70. 1967 -- Dec 15, Silver Bridge Collapse, vehicles fall, OH Riv., Point Pleasant, W.V. -- 46 
71. 1968 -- Mar 07, Wrong-side/intoxicated driver’s auto hits Bus, fire, I-15, Baker, CA -- 20 
1969 -- June 4, Automobiles Collide, near Slippery Rock, western PA -- 6 
1969 -- Nov 29, Multiple-vehicle collisions in fog, fires, NJ Turnpike, no. of Gate 2 -- 6 
1969 -- Dec 14, Eastern Star Charter Bus slides off snowy road, Gap, ~Lancaster, PA -- 7 

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

1972 -- Mar 24, High School Bus fails to stop at crossing, hit by Train, Congers, NY -- 5 
72. 1972 -- May 13, Greyhound Bus/Freight Truck Collision, Bean Station, TN -- 14 
73. 1972 -- Nov 7, Freightier Hits Sidney Lanier Bridge, Span Collapse, Brunswick GA -- 10 
74. 1972 -- Dec 26, Bus/Truck Collision, U.S. 60-84, Fort Sumner, NM -- 19 
75. 1973 -- Nov 03, Driver Heart Attack, Charter Bus Crash, I-880 ~Sacramento, CA -- 13 
76. 1974 -- Jan 19, Farm Labor Bus Crash/Submergence, Blythe, CA -- 19 
78. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX-- 16 
79. 1975 -- Jul 3, Car/Truck-Camper Headon Collision, Rt/ 98 Navajo Reservation, no. AZ-- 10 
80. 1976 -- Feb 07, Train hits Camper-Truck of children, grade crossing, Beckemeyer, IL --12 
81. 1976 -- May 21, Yuba City High School Bus goes off Cliff, Yuba City, CA -- 29 
1977 -- July 14, Motor Home and car collide, rural road U.S. 69 near Stringtown, OK -- 8 
1977 -- Sep 24, Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY -- 7 
82. 1977 -- Oct 02, Amtrak Train hits Pickup Truck at Crossing, Plant City, FL -- 10 
83. 1979 -- Apr 23, impaired driver, pickup speeds through curve into trees ~Crofton, MD-- 10 

84. 1980 -- May 9, Freightier hits Sunshine Skyway Bridge, span collapse, Tampa, FL -- 35 
85. 1980 -- June 5, Central Texas Charter Tour Bus goes off Highway 7, near Jasper, AR -- 20 
86. 1981 -- Feb 18, Commuter Bus Crash, I-95, into Chopawamsic Creek ~Quantico, VA -- 11 
1981 -- March 6, Mid-Valley High School Auto Crash, Underwood Road, Throop, PA-- 8 
1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO -- 8 
1982 -- April 7, HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA -- 7 

2473 Cross-listed in Rail. 
2474 Cross-listed in Rail. 
2475 Cross-listed in Structural Collapse. 
2476 Cross-listed under Maritime and Structural Collapse/Bridge. 
2477 Cross-listed in Rail. 
2478 Cross-listed in Road/Highway. 
2479 Cross-listed in Rail. 
2480 Cross-listed in Maritime and in Structural Collapse/Bridges. A bus and several cars fell; 22 fatalities on the bus. 
2481 Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car. 

609
88. 1982 -- Oct 8, 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 -- March 25, Crash, Jonesboro School District Bus, near Newport AR -- 9
89. 1983 -- Aug 10, Car/Tractor-Trailer Head-on Collision, Hwy 86 ~Coachella, CA -- 11
90. 1983 -- Dec 23, Collision, Activity Bus/Semitrailer, 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
91. 1985 -- Oct 6, Brush Fire Smoke, 33-Vehicle Pileup, I-5 near Sacramento, CA -- 10
92. 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, Moo restown NJ-- 6

ROAD/HWY  -- Main List—Auto, Bus, Motorized Coach, Trolley, Truck, Van–Chronological

93. 1987 -- Apr 5, Flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter2483 NY-- 10
94. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX2484 -- 10
95. 1988 -- May 14, Church Bus Hit by Drunk Driver, Carrollton, KY -- 27
1988 -- Aug 3, 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 TN2485-- 9
1989 -- Apr 01, Hatchie River Bridge Collapse, 5 vehicles fall, near Covington, TN2486-- 8
96. 1989 -- Sep 21, Truck/Mission School Bus Collision/Drowning, Alton, TX -- 21
97. 1989 -- Oct 17, Earthquake, Nimitz Highway Collapse, Loma Prieta, Northern CA2487 -- 41

98. 1990 -- Jan 24, Farm Worker Van 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
99. 1990 -- Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN2488 -- 12
100. 1991 -- Nov 29, Dust Storm, Massive I-5 Pileup, Coalinga, CA2489 -- 17
    1994 -- Jan 30, Van apparently driven into path of tractor-trailer, near Howell, MI -- 7
    1994 -- Feb 8, Fargo ND van hits snowplow in whiteout, I-94 near Alexandria, MN-- 7
101. 1994 -- March 9, Pickup Truck with 20 illegals wrecks, I-15 near Barstow, CA -- 12
102. 1994 -- July 03, Tractor Trailer broadsides Pickup Truck near Snyder, west TX -- 11
103. 1994 -- July 03, Tractor Trailer rear-ends Family Van, Interstate 20, Weatherford, TX-- 14
104. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 ~W enatchee, WA -- 11
105. 1995 -- Apr 09, Dust Storm-Related Vehicle Accidents, Bowie, AZ2490 -- 10
    1995 -- Oct 25, School Bus stopped at crossing hit by Train, Fox River Grove, IL2491-- 7
106. 1997 -- July 29, Dump Truck Hits Pickup Truck, Albion, Concord Township, MI -- 11

2482 Cross-listed in Hazardous Materials.
2483 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, which is 37 miles NW of Albany.
2484 Cross-listed under Flooding and Flash Floods.
2485 Cross-listed in Explosions and in Hazardous Materials Events.
2486 Cross-listed in Structural Collapse/Bridges.
2487 Cross-listed in Earthquakes. There was a total of 67 fatalities.
2488 Cross-listed in Fog as a Contributing Factor.
2489 Cross-listed in Dust Storms.
2490 Cross-listed in Dust Storms.
2491 Cross-listed in Rail.
107. 1997 -- July 30, High Schoolers’ SUV in no-passing zone, hit by truck, ~Plymouth NC-- 10
108. 1997 -- Sep 09, Van/Pickup Collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA-- 11
110. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL 2493 -- 11
111. 1999 -- May 9, Casino/Tour Bus Crashes into Concrete Wall, New Orleans, LA -- 22
       1999 -- June 4, Speeding car runs light, hits car with 3 retired couples, Boca Raton, FL-- 6
112. 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 OR 2494-8
113. 1999 -- Dec 04, Illegal Worker Van collides with 18-Wheeler, I-40 ~Albuquerque, NM--13

ROAD/HWY--Main List--Auto, Bus, Motorized Coach, Trolley, Truck, Van--Chronological

114. 2000 -- Jan 23, Icy-road, Multi-vehicle Collision/Fire, I-29 near Platte City, MO -- 10
115. 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 -- March 26, Retirement Home Bus Crashes into van, Dodge County, WI -- 8
116. 2002 -- May 26, Barge hits Bridge, Span Collapse, vehicles fall, Webbers Falls, OK 2495--14
117. 2002 -- Sep 12, Speeding Van, off John’s Bridge btw Eagle & Churchill Lakes, ME-- 14
       2003 -- Jan 2, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA--9
119. 2003 -- July 16, Car Collides with Car and Pedestrians, Santa Monica, CA -- 10
120. 2004 -- Sep 20, Tractor-trailer crosses median, hits Pickup and SUV, ~Sherman, TX-- 10
121. 2004 -- Oct 09, MCI Motorcoach Crash, I-55 near Turrell, AR -- 15
122. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA 2497 -- 11
123. 2005 -- Sep 23, Hurricane Rita Nursing Home Bus Burns, Wilmer, TX -- 23
124. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip, ~Yuma, AZ--10
       2007 -- March 2, Bluffton Univ., OH Baseball Team Bus crash, Atlanta, GA -- 7
125. 2007 -- Aug 01, Interstate 35W Bridge Collapse, vehicles fall, Minneapolis, MN 2498--13
       2008 -- Jan 6, Motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
126. 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
127. 2009 -- Jun 06, Illegal Immigrant (22) Smuggling SUV Blowout/Rolls, ~Sonoita, AZ--11
128. 2009 -- Jun 26, Tractor-Trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK--10

129. 2010 -- Mar 26, Highway Crash, Tractor-Trailer hits Van, ~Munfordville, KY -- 11
130. 2011 -- Mar 12, World Wide Travel Casino Tour Bus Crash, I-95, Bronx, NY -- 15
131. 2012 -- Jan 29, Smoke/Haze/Fog, Interstate 75 Pileup, south of Gainesville, FL -- 11
       2012 -- Dec 30, Road, 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

2492 Cross-listed in Fog as a Contributing Factor.
2493 Cross-listed in Rail.
2494 Cross-listed in Dust Storms.
2495 Cross-listed under Maritime and Structural Collapse.
2496 Cross-listed in Fog as a Contributing Condition.
2497 Cross-listed in Rail, and in Violence/Manslaughter.
2498 Cross-listed in Structural Collapse/Bridges.
2013 -- Oct 2, Church bus tire blowout, crash into SUV and tractor-trailer, I-40 east TN-- 8
133. 2014 -- Apr 11, FedEx truck hits High School Charter Bus, I-5 near Orland, CA -- 10
134. 2015 -- Jan 14, TX Corrections Dept. Prison Bus skids off icy I-20, hits Train ~Penwell, TX-- 10
135. 2016 -- Oct 23, Tour Bus runs into Semi, I-10, Indian Canyon near Palm Springs, CA-- 13
136. 2016 -- Nov 21, Woodmore elementary school bus crash, Brainerd ~Chattanooga, TN -- 5
137. 2017 -- March 29, Pickup truck hits church bus head-on, Hwy 83 near Concan, TX -- 13
138. 2017 -- June 19, Dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM2499 -- 6
139. 2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM -- 9
140. 2018 -- Oct 6, Birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie, NY-20
141. 2019 -- Jan 3, Multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL -- 7
142. 2019 -- Jan 6, drunk driver going wrong way, I-75, hits MI family car, Lexington, KY -- 6
143. 2019 -- June 21, Pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH -- 7

2499 Cross-listed in Dust Storms.
### ROAD/Highway Subset – AUTOMOBILE, PICKUP, SUV, VAN – by Fatality

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1968</td>
<td>March 7</td>
<td>Wrong-side/intoxicated driver’s auto hits Bus, fire</td>
<td>I-15, Baker, CA</td>
<td>20</td>
</tr>
<tr>
<td>2018</td>
<td>Oct 6</td>
<td>Birthday party limo hits vehicle/bystanders</td>
<td>Schoharie, NY</td>
<td>20</td>
</tr>
<tr>
<td>1951</td>
<td>Aug 18</td>
<td>Beer truck/car collide, truck/Greyhound bus collide</td>
<td>Alpena, MI</td>
<td>11-14</td>
</tr>
<tr>
<td>2002</td>
<td>Sep 12</td>
<td>Speeding Van, off John’s Bridge between Eagle &amp; Churchill Lakes</td>
<td>ME</td>
<td>14</td>
</tr>
<tr>
<td>2012</td>
<td>July 22</td>
<td>Pickup Truck with 23 illegals crashes</td>
<td>US Highway 59, Goliad, TX</td>
<td>14</td>
</tr>
<tr>
<td>1999</td>
<td>Aug 9</td>
<td>Farm Worker Van Collides with Truck</td>
<td>Five Points, CA</td>
<td>13</td>
</tr>
<tr>
<td>1999</td>
<td>Dec 4</td>
<td>Illegal Worker Van collides with 18-Wheeler</td>
<td>Albuquerque, NM</td>
<td>13</td>
</tr>
<tr>
<td>1940</td>
<td>April 21</td>
<td>Two Cars Collide Head-on</td>
<td>Slayton, MN</td>
<td>12</td>
</tr>
<tr>
<td>1994</td>
<td>March 9</td>
<td>Pickup Truck with 20 illegals wrecks</td>
<td>I-15 near Barstow, CA</td>
<td>12</td>
</tr>
<tr>
<td>1954</td>
<td>July 31</td>
<td>Car loses brakes, hits cliff and burns</td>
<td>Pine Mountain, KY</td>
<td>11</td>
</tr>
<tr>
<td>1961</td>
<td>June 30</td>
<td>Wrong-way, Cal. speeding pickup hits Cal. Station Wagon</td>
<td>Jean, NV</td>
<td>11</td>
</tr>
<tr>
<td>1963</td>
<td>Nov 3</td>
<td>Car goes through inoperable dead-end warning into Harlem Riv., NYC</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>1983</td>
<td>Aug 10</td>
<td>Car/Tractor-Trailer Head-on Collision</td>
<td>Hwy 86, Coachella, CA</td>
<td>11</td>
</tr>
<tr>
<td>1994</td>
<td>Aug 21</td>
<td>SUV crosses center-line, hits sedan</td>
<td>Hwy 1, Plymouth NC</td>
<td>11</td>
</tr>
<tr>
<td>1997</td>
<td>Sep 09</td>
<td>Van/Pickup Collide/burn</td>
<td>Hwy 1, San Julian Ranch &amp; Lompoc, CA</td>
<td>11</td>
</tr>
<tr>
<td>2009</td>
<td>Jun 06</td>
<td>Illegal Immigrant (22) Smuggling SUV Blowout/Rolls</td>
<td>~Sonoita, AZ</td>
<td>11</td>
</tr>
<tr>
<td>1954</td>
<td>July 6</td>
<td>Two-car collision</td>
<td>Rt. 416 (MD 4) Lyons Creek, Calvert County, MD</td>
<td>10</td>
</tr>
<tr>
<td>1956</td>
<td>Oct 3</td>
<td>Two Automobiles collide head-on</td>
<td>Muncie, IN</td>
<td>10</td>
</tr>
<tr>
<td>1963</td>
<td>Sep 02</td>
<td>Two-Car Collision</td>
<td>TX State Highway 146 near Dayton, TX</td>
<td>10</td>
</tr>
<tr>
<td>2015</td>
<td>July 3</td>
<td>Car/Truck-Camper Headon Collision</td>
<td>Rt/ 98 Navajo Reservation, no. AZ</td>
<td>10</td>
</tr>
<tr>
<td>1979</td>
<td>Apr 23</td>
<td>impaired driver, pickup speeds through curve into trees</td>
<td>Crofton, MD</td>
<td>10</td>
</tr>
<tr>
<td>1987</td>
<td>Apr 5</td>
<td>Flooding/ Schoharie Cr. bridge fails/vehicles fall</td>
<td>I-90, Fort Hunter, NY</td>
<td>10</td>
</tr>
<tr>
<td>1990</td>
<td>Jan 24</td>
<td>Farm Worker Van goes into Canal, curve in fog</td>
<td>~Clewisnton, FL</td>
<td>10</td>
</tr>
<tr>
<td>1997</td>
<td>July 30</td>
<td>High Schoolers’ SUV in no-passing zone</td>
<td>Plymouth NC</td>
<td>10</td>
</tr>
<tr>
<td>2003</td>
<td>July 16</td>
<td>Car Collides with Car and Pedestrians</td>
<td>Santa Monica, CA</td>
<td>10</td>
</tr>
<tr>
<td>2006</td>
<td>Aug 07</td>
<td>SUV with illegals flips evading Border Patrol spike strip</td>
<td>~Yuma, AZ</td>
<td>10</td>
</tr>
</tbody>
</table>

### Some Select Other Events (fewer than ten lives lost):

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1912</td>
<td>Oct 07</td>
<td>Racing Cars Collide</td>
<td>Thirty-third Street Bridge, Philadelphia, PA</td>
<td>9</td>
</tr>
<tr>
<td>1936</td>
<td>July 18</td>
<td>Train hits car/9 occupants</td>
<td>near Dundee, near Ann Arbor, MI</td>
<td>9</td>
</tr>
<tr>
<td>2003</td>
<td>Jan 2</td>
<td>pickup carrying illegals crashes into tractor trailer</td>
<td>I-80 near Menlo, IA</td>
<td>9</td>
</tr>
<tr>
<td>1919</td>
<td>Jan 26</td>
<td>Nitroglycerin explodes, wagon going through town of Big Heart, OK</td>
<td>8-9</td>
<td></td>
</tr>
<tr>
<td>1926</td>
<td>Nov 1</td>
<td>Truck hits Street Car head-on</td>
<td>Fire, Dayton, OH</td>
<td>8</td>
</tr>
<tr>
<td>1938</td>
<td>Nov 19</td>
<td>Auto with 7 Crippled Children Falls into Mine-Pit</td>
<td>Wilkes-Barre, PA</td>
<td>8</td>
</tr>
<tr>
<td>1943</td>
<td>July 4</td>
<td>Autos Collide, near Marienville</td>
<td>Northwest PA</td>
<td>8</td>
</tr>
</tbody>
</table>

2500 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.

2501 Cross-listed in bus and in truck subsets, where all the fatalities occurred.

2502 This was at the time the deadliest “pleasure car” accident in the country.

2503 All the fatalities were in the car, which ran a stop-sigh, while speeding, and was hit by the truck.

2504 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, which is 37 miles NW of Albany.

2505 Cross-listed in Explosions and in Hazardous Materials.
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
1977 -- July 14, Motor Home and car collide, rural road U.S. 69 near Stringtown, OK 2506 -- 8
1981 -- Mar 6, 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, MD 2507 -- 8

ROAD/Highway Subset – AUTOMOBILE, PICKUP, SUV, VAN – by Fatality

1934 -- Nov 16, Auto’s Collide and Burn, Hensheytown, ~Bellwood and Altoona, PA -- 7
1942 -- Mar 07, Car and ammo truck collide, fire, delayed explosion, ~Selma, NC 2508 -- 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, IL 2509 -- 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
2019 -- June 21, Pickup truck crashes into ten motorcycles, U.S. 2, Randolph, NH -- 7

1937 -- June 26, Automobiles collide head-on, west of Erick, OK -- 6
1959 -- June 08, Family Killed, Auto/Trucks Collide, ~Duncansville, Western PA -- 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 -- March 20, Car skids on icy US 69 curve into path of truck, near Cameron, MO -- 6
1969 -- June 4, Automobiles Collide, near Slippery Rock, western PA -- 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 -- March 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 -- Oct 9, Car and Motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5
1958 -- Apr 4, Car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR -- 5
1984 -- Sep 10, Flash Flood, family truck swept away ~15 miles W of Las Vegas, NV -- 5

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2506 Six of the fatalities were in the car which swerved into the path of the mobile home.
2507 Cross-listed in Automobile Racing.
2508 The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield. Cross-listed in Explosions.
2509 Six of the dead were family members in the car. One truck driver was killed.
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, OK 2510 -- 8-9

1926 -- Nov 1, 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 -- 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, MN 2511 -- 12

2. 1940 -- Apr 21, Two Cars Collide Head-on (young people 17-23), Slayton, MN 2511 -- 12

3. 1943 -- July 04, Autos Collide, near Marienville, Northwest PA -- 8

4. 1951 -- Aug 18, Beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI 2512 -- 11-14

5. 1953 -- Oct 9, Car and Motorcycle collide, US 285, 37 miles north of Roswell, NM -- 5

6. 1954 -- July 7, Two-car collision, Rt. 416 (MD 4) Lyons Creek, Calvert County, MD -- 10

7. 1954 -- July 31, Car loses brakes, hits cliff and burns, Pine Mountain, KY -- 11

8. 1956 -- Oct 3, Two Automobiles collide head-on near Muncie, IN -- 10

9. 1958 -- April 4, Car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR -- 5

10. 1959 -- June 8, Family Killed, Auto/Trucks Collide, ~Duncansville, Western PA -- 6

11. 1959 -- Dec 18, Car tries to beat train across road at crossing, Fowlerville, MI -- 8

12. 1959 -- Dec 25, Car collides with concrete abutment, Hwy 9-W near Haverstraw, NY -- 8

13. 1961 -- June 17, Automobiles Collide Head-on near Lovelock, NV -- 6


15. 1963 -- Jan 27, Cars collide, Corunna and Morrish Rds., five miles west of Flint, MI -- 6

16. 1963 -- Sep 2, Two-Car Collision, TX State Highway 146 near Dayton, TX -- 10

17. 1963 -- Nov 3, Car goes through inoperable dead-end warning into Harlem Riv., NYC -- 11

18. 1964 -- March 20, Car skids on icy US 69 curve into path of truck, near Cameron, MO -- 6

19. 1968 -- March 7, Wrong-side/intoxicated driver’s auto hits bus, fire, I-15, Baker, CA 2514 -- 20

20. 1969 -- June 4, Automobiles Collide, near Slippery Rock, western PA -- 6

21. 1975 -- July 3, Car/truck-camper headon collision, Rt/ 98 Navajo Reservation, no. AZ -- 10

22. 1977 -- July 14, Motor Home and car collide, rural road U.S. 69 near Stringtown, OK 2515 -- 8

23. 1979 -- Apr 23, impaired driver, pickup speeds through curve into trees ~Crofton, MD -- 10

2510 Cross-listed in Explosions and in Hazardous Materials.
2511 This was at the time the deadliest “pleasure car” accident in the country.
2512 Cross-listed in bus and in truck subsets.
2513 Six of the dead were family members in the car. One truck driver was killed.
2514 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.
2515 Six of the fatalities were in the car which swerved into the path of the mobile home.
1981 -- Mar 6, Mid-Valley High School Auto Crash, Underwood Road, Throop, PA -- 9
13. 1983 -- Aug 10, Car/Tractor-Trailer Head-on Collision, Hwy 86 ~Coachella, CA\textsuperscript{2516} -- 11
1984 -- Sep 10, Flash Flood, family truck swept away ~15 miles W of Las Vegas, NV -- 5
1986 -- July 20, Stolen police car runs red light, rams car killing 6 inside, Moorestown NJ-- 6
14. 1987 -- Apr 5, flooding/Schoharie Cr. bridge fails/vehicles fall, I-90 ~Fort Hunter\textsuperscript{2517} NY-- 10
1988 -- Aug 3, Multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR -- 7

ROAD/Highway Events Subset – AUTOMOBILE, PICKUP, SUV, VAN— Chronological

15. 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 8, Fargo ND Van hits Snowplow in Whiteout, I-94 near Alexandria, MN -- 7
16. 1994 -- March 9, Pickup Truck with 20 illegals wrecks, I-15 near Barstow, CA -- 12
17. 1994 -- Aug 21, SUV crosses center-line, hits sedan, Hwy Alt 97 ~ Wenatchee, WA -- 11
18. 1997 -- July 30, High Schoolers’ SUV in no-passing zone, hit by truck, ~Plymouth NC-- 10
19. 1997 -- Sep 9, Van/Pickup Collide/burn, Hwy 1, ~San Julian Ranch & Lompoc, CA -- 11
1999 -- June 4, Speeding car runs light, hits car with 3 retired couples, Boca Raton, FL-- 6
20. 1999 -- Aug 9, Farm Worker Van Collides with Truck, Five Points, CA -- 13

2001 -- Sep 15, Barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX -- 8
22. 2002 -- Sep 12, Speeding Van, off John’s Bridge btwn Eagle & Churchill Lakes, ME -- 14
2003 -- Jan 02, pickup carrying illegals crashes into tractor trailer, I-80 near Menlo, IA-- 9
23. 2003 -- July 16, Car Collides with Car and Pedestrians, Santa Monica, CA -- 10
24. 2006 -- Aug 07, SUV with illegals flips evading Border Patrol spike strip, ~Yuma, AZ-- 10
2008 -- Feb 16, Car hits street race spectators, Indian Head Highway, Accokeek, MD\textsuperscript{2518} -- 8
25. 2009 -- June 6, Illegal Immigrant (22) Smuggling SUV Blowout/Rolls, ~Sonoita, AZ -- 11


27. 2018 -- Oct 6, Birthday party limo hits vehicle/bystanders, Apple Barrel, Schoharie, NY-- 20
2019 -- Jan 6, 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

\textsuperscript{2516} All the fatalities were in the car, which ran a stop-sigh, while speeding, and was hit by the truck.
\textsuperscript{2517} 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, which is 37 miles NW of Albany.
\textsuperscript{2518} Cross-listed in Automobile Racing.
1. 1989 -- Oct 17, Earthquake, Nimitz Highway Collapse, Loma Prieta, Northern CA\textsuperscript{2519} -- 41
2. 1967 -- Dec 15, Silver Bridge Collapse, vehicles fall, OH Riv., Point Pleasant, WV\textsuperscript{2520} -- 46
3. 1980 -- May 09, Freighter hits Sunshine Skyway Bridge, span collapse, Tampa, FL\textsuperscript{2521} -- 35
4. 1922 -- Sep 11, Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA\textsuperscript{2522} -- 18
5. 2002 -- May 26, Barge hits Bridge, Span Collapse, vehicles fall, Webbers Falls, OK\textsuperscript{2523} -- 14
6. 2007 -- Aug 01, Interstate 35W Bridge Collapse, vehicles fall, Minneapolis, MN\textsuperscript{2524} -- 13
7. 1972 -- Nov 7, Freighter Hits Sidney Lanier Bridge, Span Collapse, Brunswick GA\textsuperscript{2525} -- 10
8. 1987 -- Apr 05, Bridge Collapse, Schoharie Crk., NY State Thruway, Amsterdam NY\textsuperscript{2526} -- 10
9. 1989 -- Apr 01, Hatchie River Bridge Collapse, 5 vehicles fall, near Covington, TN\textsuperscript{2527} -- 8
10. 2001 -- Sep 15, Barge hits Queen Isabella Causeway, span collapses, Port Isabel, TX -- 8

\textsuperscript{2519} Cross-listed in Earthquakes. There was a total of 67 fatalities.
\textsuperscript{2520} Cross-listed in Structural Collapse.
\textsuperscript{2521} Cross-listed in Maritime and in Structural Collapse/Bridges. A bus and several cars fell; 22 fatalities on the bus.
\textsuperscript{2522} Cross-listed in Structural Failures—Bridges.
\textsuperscript{2523} Cross-listed under Maritime and Structural Collapse.
\textsuperscript{2524} Cross-listed in Structural Collapse/Bridges.
\textsuperscript{2525} Cross-listed under Maritime and Structural Collapse/Bridge.
\textsuperscript{2526} Cross-listed in Flooding and in Structural Collapse/Bridges.
\textsuperscript{2527} Cross-listed in Structural Collapse/Bridges.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1963</td>
<td>Sep 17</td>
<td>Train hits migrant worker truck-bus, grade-crossing, Chualar, CA</td>
<td></td>
<td>32</td>
</tr>
<tr>
<td>1944</td>
<td>Jan 06</td>
<td>Army Air Force Bus and Train Collide, Kingman Army Air Field, AZ</td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>1952</td>
<td>Aug 04</td>
<td>Greyhound Buses Collide Head-on /Fire, Waco, TX</td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>1963</td>
<td>May 18</td>
<td>Farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL</td>
<td></td>
<td>27</td>
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<tr>
<td>1988</td>
<td>May 14</td>
<td>Church Bus Hit by Drunk Driver, Carrollton, KY</td>
<td></td>
<td>27</td>
</tr>
<tr>
<td>1980</td>
<td>May 09</td>
<td>Freighter hits bridge, span collapse, Greyhound bus falls, Tampa, FL</td>
<td></td>
<td>26</td>
</tr>
<tr>
<td>1931</td>
<td>Aug 03</td>
<td>Bus goes through open drawbridge, Sampit River ~Georgetown, SC</td>
<td></td>
<td>23</td>
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<tr>
<td>2005</td>
<td>Sep 23</td>
<td>Hurricane Rita Nursing Home Bus Burns, Wilmer, TX</td>
<td></td>
<td>23</td>
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<tr>
<td>1930</td>
<td>Apr 11</td>
<td>Train Hits Pickwick-Greyhound Bus, near Isleta, NM</td>
<td></td>
<td>22</td>
</tr>
<tr>
<td>1942</td>
<td>Dec 22</td>
<td>Rockslide Crushes Passenger Bus, near Aliquippa, PA</td>
<td></td>
<td>22</td>
</tr>
<tr>
<td>1999</td>
<td>May 9</td>
<td>Casino/Tour Bus Crashes into Concrete Wall, New Orleans, LA</td>
<td></td>
<td>22</td>
</tr>
<tr>
<td>1937</td>
<td>Mar 24</td>
<td>Blowout, Roller-Skate Team Bus Hits Bridge, Fire, Salem IL</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>1986</td>
<td>May 30</td>
<td>Tour Bus Crashes in West Walker River, Walker, CA</td>
<td></td>
<td>21</td>
</tr>
<tr>
<td>1929</td>
<td>Jan 22</td>
<td>Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>1934</td>
<td>July 22</td>
<td>Bus with defective brakes runs off road, Burns, Ossining, NY</td>
<td></td>
<td>19-20</td>
</tr>
<tr>
<td>1936</td>
<td>Jan 31</td>
<td>Hwy. Accident &amp; Fire, Prison Transport Bus, Scottsboro, AL</td>
<td></td>
<td>20</td>
</tr>
<tr>
<td>1944</td>
<td>Mar 20</td>
<td>Bus Slides off Market St. Bridge into Passaic River, ~Passaic, NJ</td>
<td></td>
<td>19-20</td>
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<tr>
<td>1968</td>
<td>Mar 07</td>
<td>Wrong-side/intoxicated driver’s auto hits Bus, fire, I-15, Baker, CA</td>
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<td>20</td>
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<tr>
<td>1980</td>
<td>June 5</td>
<td>Central Texas Charter Tour Bus goes off Highway 7, near Jasper, AR</td>
<td></td>
<td>20</td>
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<tr>
<td>1972</td>
<td>Dec 26</td>
<td>Bus/Truck Collision, U.S. 60-84, Fort Sumner, NM</td>
<td></td>
<td>19</td>
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<tr>
<td>1974</td>
<td>Jan 19</td>
<td>Farm Labor Bus Crash/Submergence, Blythe, CA</td>
<td></td>
<td>19</td>
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<tr>
<td>1937</td>
<td>Jan 28</td>
<td>Tamiami Trail Tour Bus goes into Canal, near Coral Gables FL</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>1941</td>
<td>Oct 26</td>
<td>Passenger Bus Hits Concrete Railing, Burns, Clanton, AL</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>2008</td>
<td>Aug 8</td>
<td>Chartered Tour Bus Crash off Bridge, U.S. Highway 75, Sherman, TX</td>
<td></td>
<td>17</td>
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<tr>
<td>1942</td>
<td>Oct 28</td>
<td>Train Crashes into Bus, Detroit, MI</td>
<td></td>
<td>16</td>
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<tr>
<td>1949</td>
<td>Aug 10</td>
<td>Greyhound Bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN</td>
<td></td>
<td>16</td>
</tr>
<tr>
<td>2004</td>
<td>Oct 09</td>
<td>MCI Motorcoach Crash, I-55 near Turrell, AR</td>
<td></td>
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<tr>
<td>2011</td>
<td>Mar 12</td>
<td>World Wide Travel Casino Tour Bus Crash, I-95, Bronx, NY</td>
<td></td>
<td>15</td>
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<tr>
<td>1935</td>
<td>Dec 22</td>
<td>Bus Drives Off River Drawbridge, Hopewell, VA</td>
<td></td>
<td>14</td>
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<tr>
<td>1951</td>
<td>Aug 18</td>
<td>Beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI</td>
<td></td>
<td>11-14</td>
</tr>
<tr>
<td>1960</td>
<td>Mar 01</td>
<td>Train and Oil Tank Truck Collision, Fire, Bakersfield, CA</td>
<td></td>
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<tr>
<td>1972</td>
<td>May 13</td>
<td>Greyhound Bus/Freight Truck Collision, Bean Station, TN</td>
<td></td>
<td>14</td>
</tr>
<tr>
<td>1947</td>
<td>Feb 17</td>
<td>Train Crew Bus-Train Collision, Michigan, IN</td>
<td></td>
<td>13</td>
</tr>
</tbody>
</table>

2528 Cross-listed in Rail. This was a flatbed truck which had been converted into a bus-like vehicle.
2529 Cross-listed in Truck subset as well -- a passing, sideswiping, pickup truck caused the bus to go into the canal.
2530 Cross-listed in Maritime and in Structural Collapse/Bridges. There were 35 total fatalities.
2531 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.
2532 Cross-listed in Rail.
2533 Cross-listed in Landslides.
2534 Cross-listed in Rail and Winter Storms.
2535 Cross-listed in Rail.
2536 Cross-listed in auto and in truck subsets.
2537 Cross-listed in Hazardous Materials and in Rail.
34. 1973 -- Nov 03, Driver Heart Attack, Charter Bus Crash, I-880 ~Sacramento, CA -- 13
36. 2016 -- Oct 23, Tour Bus runs into Semi, I-10, Indian Canyon near Palm Springs, CA -- 13
37. 2017 -- March 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.)

38. 1942 -- Oct 03, Gasoline Tanker/Wagon/Bus/Collision, near Lumberton, NC -- 11-12
39. 1936 -- Mar 28, Grade Crossing Collision, Bus & Central of Georgia Train, Bryon, GA 2539 11
40. 1940 -- Apr 21, Two Cars Collide Head-on (young people 17-23), Slayton, MN -- 11
41. 1943 -- Dec 14, War workers bus and tractor trailer collide, bus burns, ~Campbell, NY-- 11
42. 1965 -- Aug 28, Collision Greyhound Bus & Timber Truck, Vinton, LA -- 11
43. 1981 -- Feb 18, Commuter Bus Crash, I-95, into Chopawamsic Creek ~Quantico, VA -- 11

44. 1926 -- Jul 22, Bus with Brooklyn excursionists Overturns, near Nyack, NY -- 10
45. 1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX 2540 -- 10
47. 1982 -- Oct 8, Tractor Semitrailer collides head-on with church van near Lemoore, CA-- 10
48. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX 2541-- 10
49. 1983 -- Dec 23, Collision, Activity Bus/Semitrailer, near Devers, TX -- 10
50. 2015 -- Jan 14, TX Corrections Dept. Prison Bus skids off icy I-20, hits Train ~Penwell, TX -- 10

Other:
2008 -- Jan 6, Motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
2012 -- Dec 30, Road, 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

2002 -- March 26, Retirement Home Bus Crashes into van, Dodge County, WI -- 8
2013 -- Oct 2, 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 RR Crossing in snow storm ~Enid, OK -- 7
1969 -- Dec 14, Eastern Star Charter Bus slides off snowy road, Gap, ~Lancaster, 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, MD 2542 -- 5

2538 Cross-listed in Rail.
2539 Cross-listed in Rail.
2540 Cross-listed in Rail.
2541 Cross-listed under Flooding and Flash Floods.
2542 All the deaths were in the car, though the bus did turn over.
1. 1926 -- Jul 22, Bus with Brooklyn excursionists Overturns, near Nyack, NY -- 10
2. 1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX 2543 -- 10
3. 1929 -- Jan 22, Train Hits Greyhound Bus, Snowstorm, near Bellevue, OH 2544 -- 20

4. 1930 -- Apr 11, Train Hits Pickwick-Greyhound Bus, near Isleta, NM 2545 -- 22
5. 1931 -- Aug 03, Bus goes through open drawbridge, Sampit River ~Georgetown, SC 2546 -- 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, MD 2547 -- 5
7. 1935 -- Dec 22, Bus Drives Off River Drawbridge, Hopewell, VA -- 14
8. 1936 -- Jan 31, Hwy. Accident & Fire, Prison Transport Bus, Scottsboro, AL -- 20
9. 1936 -- Mar 28, Grade Crossing Collision, Bus & Central of Georgia Train, Bryon, GA 2548 -- 11
10. 1937 -- Jan 28, Tamiami Trail Tour Bus goes into Canal, near Coral Gables, FL -- 17
11. 1937 -- Mar 24, Blowout, Roller-Skate Team Bus Hits Bridge, Fire, Salem, IL -- 21

12. 1941 -- Oct 26, Passenger Bus Hits Concrete Railing, Burns, Clanton, AL -- 17
13. 1942 -- Oct 03, Gasoline Tanker/Wagon/Bus/Collision, near Lumberton, NC -- 11-12
14. 1942 -- Oct 28, Train Crashes into Bus, Detroit, MI 2549 -- 16
15. 1942 -- Dec 22, Rockslide Crushes Passenger Bus, near Aliquippa, PA 2550 -- 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, ~Passaic, NJ -- 19-20
18. 1947 -- Feb 17, Train Crew Bus-Train Collision, Michigan City, IN 2551 -- 13
19. 1949 -- Aug 10, Greyhound Bus Overturn/Fire, Bloomington, IN -- 15

20. 1951 -- Aug 18, Beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI 2552 -- 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, CA 2553 -- 14
23. 1963 -- May 18, Farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL 2554 -- 27
24. 1963 -- Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chualar, CA 2555 -- 32

2543 Cross-listed in Rail.
2544 Cross-listed in Rail and Winter Storms.
2545 Cross-listed in Rail.
2546 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.
2547 All the deaths were in the car, though the bus did turn over.
2548 Cross-listed in Rail.
2549 Cross-listed in Rail.
2550 Cross-listed in Landslides.
2551 Cross-listed in Rail.
2552 Cross-listed in auto and in truck subsets.
2553 Cross-listed in Hazardous Materials and in Rail.
2554 Cross-listed in Truck subset as well -- a passing, sideswiping, pickup truck caused the bus to go into the canal.
2555 Cross-listed in Rail. This was a flatbed truck which had been converted into a bus-like vehicle.
1969 -- Dec 14, Eastern Star Charter Bus slides off snowy road, Gap, ~Lancaster, PA -- 7

ROAD/HWY Events subset -- BUS/MOTORCOACH/VAN (not School Buses) -- Chronological

27. 1972 -- May 13, Greyhound Bus/Freight Truck Collision, Bean Station, TN -- 14
28. 1972 -- Dec 26, Bus/Truck Collision, U.S. 60-84, Fort Sumner, NM -- 19
29. 1973 -- Nov 03, Driver Heart Attack, Charter Bus Crash, I-880 ~Sacramento, CA -- 13
30. 1974 -- Jan 19, Farm Labor Bus Crash/Submergence, Blythe, CA -- 13

32. 1980 -- May 09, Freighter hits bridge, span collapse, Greyhound bus falls, Tampa, FL\textsuperscript{2556} -- 26
33. 1980 -- June 5, Central Texas Charter Tour Bus goes off Highway 7, near Jasper, AR -- 20
34. 1981 -- Feb 18, Commuter Bus Crash, I-95, into Chopawamsic Creek ~Quantico, VA -- 11
36. 1982 -- Oct 8, Tractor Semitrailer collides head-on with church van near Lemoore, CA -- 10
37. 1983 -- Dec 23, Collision, Activity Bus/Semitrailer, near Devers, TX -- 10
38. 1986 -- May 30, Tour Bus Crashes in West Walker River, Walker, CA -- 21
39. 1987 -- July 17, Flash Flood, Church Youth Bus & Van swept into river ~Comfort, TX\textsuperscript{2557} -- 10
40. 1988 -- May 14, Church Bus Hit by Drunk Driver, Carrollton, KY -- 27

41. 1999 -- May 9, Casino/Tour Bus Crashes into Concrete Wall, New Orleans, LA -- 22

2002 -- March 26, Retirement Home Bus Crashes into van, Dodge County, WI -- 8
42. 2004 -- Oct 09, MCI Motorcoach Crash, I-55 near Turrell, AR -- 15
43. 2005 -- Sep 23, Hurricane Rita Nursing Home Bus Burns, Wilmer, TX -- 23
    2008 -- Jan 6, Motorcoach runs off road, rolls over, U.S. Rt. 163, Mexican Hat, UT -- 9
44. 2008 -- Aug 8, Chartered Tour Bus Crash off Bridge, U.S. Highway 75, Sherman, TX -- 17
45. 2009 -- Jan 30, Tour Bus Crash (Loss of Control and Rollover), Dolan Springs, AZ -- 7

46. 2011 -- Mar 12, World Wide Travel Charter Casino Tour Bus Crash, I-95, Bronx, NY -- 15
    2012 -- Dec 30, Road, 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
47. 2015 -- Jan 14, TX Corrections Dept. Prison Bus skids off icy I-20, hits Train ~Penwell, TX -- 10
49. 2017 -- March 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

\textsuperscript{2556} Cross-listed in Maritime and in Structural Collapse/Bridges. There were 35 total fatalities.
\textsuperscript{2557} Cross-listed under Flooding and Flash Floods.
### ROAD / Highway Events subset – MULTI-VEHICLE Crashes, Pileups – By Mortality

1. 1991 -- Nov 29, Dust Storm, Massive I-5 Pileup, Coalinga, CA\(^{2558}\) -- 17
2. 1990 -- Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN\(^ {2559}\) -- 12
3. 2012 -- Jan 29, Smoke/Haze/Fog, Interstate 75 Pileup, south of Gainesville, FL -- 11
5. 1995 -- Apr 09, Dust Storm-Related Vehicle Accidents, Bowie, AZ\(^ {2560}\) -- 10
7. 2009 -- Jun 26, Tractor-Trailer hits multiple cars, Will Rogers Turnpike ~Miami, OK -- 10

1990 -- Feb 24, 32-car pileup at beginning of blizzard, I-75 north of Tipp City, OH -- 9
1988 -- Aug 3, Multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR -- 7
2019 -- Jan 3, Multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL -- 7
1969 -- Nov 29, Multiple-vehicle collisions in fog, fires, NJ Turnpike, no. of Gate 2 -- 6
2017 -- June 19, Dust-storm, vehicular pileup, westbound I-10, near Lordsburg, NM\(^ {2562}\) -- 6

### ROAD / Highway Events subset – MULTI-VEHICLE Crashes, Pileups – Chronological

1. 1985 -- Oct 06, Brush Fire Smoke, 33-Vehicle Pileup, I-5 near Sacramento, CA -- 10
2. 1988 -- Aug 3, 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, TN\(^ {2563}\) -- 12
3. 1991 -- Nov 29, Dust Storm, Massive I-5 Pileup, Coalinga, CA\(^ {2564}\) -- 17
4. 1995 -- Apr 09, Dust Storm-Related Vehicle Accidents, Bowie, AZ\(^ {2565}\) -- 10
5. 2002 -- Oct 11, Fog, Multi Vehicle Pileup, I-43, near Cedar Grove, WI\(^ {2566}\) -- 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, NM\(^ {2567}\) -- 6
2019 -- Jan 3, Multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL -- 7

\(^{2558}\) Cross-listed in Dust Storms.
\(^{2559}\) Cross-listed in Fog as a Contributing Factor.
\(^{2560}\) Cross-listed in Dust Storm.
\(^{2561}\) Cross-listed in Fog as a Contributing Condition.
\(^{2562}\) Cross-listed in Dust Storms.
\(^{2563}\) Cross-listed in Fog as a Contributing Factor.
\(^{2564}\) Cross-listed in Dust Storms.
\(^{2565}\) Cross-listed in Dust Storm.
\(^{2566}\) Cross-listed in Fog as a Contributing Condition.
\(^{2567}\) Cross-listed in Dust Storms.
1. 1976 – May 21, Yuba City High School Bus goes off Cliff, Yuba City, CA -- 29
2. 1958 – Feb 28, School Bus Hits Truck, goes into River, Prestonsburg, KY -- 27
3. 1938 -- Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT\textsuperscript{2568} -- 26
4. 1989 – Sep 21, Truck/Mission School Bus Collision/Drowning, Alton, TX -- 21
5. 1961 – Dec 14, Train and School Bus Collision, Auburn, CO\textsuperscript{2569} -- 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 9, Semi-trailer tanker rear-ends Trenton St. Col. bus, New Brunswick, NJ\textsuperscript{2570} -- 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, OH\textsuperscript{2571} -- 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
1995 -- Oct 25, School Bus stopped at road crossing hit by Train, Fox River Grove, IL\textsuperscript{2572} -- 7
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

\textsuperscript{2568} Cross-listed in Rail.
\textsuperscript{2569} Cross-listed in Rail.
\textsuperscript{2570} Cross-listed in Truck subsection – bus of Trenton State College students at a red-light was rear-ended by truck.
\textsuperscript{2571} Cross-listed in Rail
\textsuperscript{2572} Cross-listed in Rail.
1. 1930 – Jan 22, Train Hits School Bus, Berea, OH
2. 1933 – Dec 14, School Bus hit, Atlantic Coast Line Train, near Crescent City, FL
3. 1935 – Apr 12, School Bus and Train Collision, Rockville, MD
4. 1937 – Oct 22, School Bus hit by Rock Island Line Rocket, Mason City, IA
5. 1938 – Dec 01, Train hits Jordan High School Bus at Crossing, Midvale, UT

6. 1945 – Nov 26, School Bus goes into Lake Chelan in Snowstorm, Chelan, WA
7. 1955 – Aug 22, School Bus Hit by Train, Spring City, TN
8. 1958 – Feb 28, School Bus Hits Truck, goes into River, Prestonsburg, KY

10. 1961 – Dec 14, Train and School Bus Collision, Auburn, CO

    1972 – Mar 24, High School Bus fails to stop at crossing, hit by Train, Congers, NY
11. 1976 – May 21, Yuba City High School Bus goes off Cliff, Yuba City, CA

    1983 – Mar 25, Crash, Jonesboro School District Bus, near Newport, AR
    1984 – Jan 21, Whitefish HS wrestling team bus hits jack-knifed fuel tanker/burns ~Essex MT-9
12. 1989 – Sep 21, Truck/Mission School Bus Collision/Drowning, Alton, TX

    1995 – Oct 25, School Bus stopped at crossing hit by Train, Fox River Grove, IL

2016 – Nov 21, Woodmore elementary school bus crash, Brainerd ~Chattanooga, TN

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2573 Cross-listed in Rail
2574 Cross-listed in Rail.
2575 Cross-listed in Truck subsection – bus of Trenton State College students at a red-light was rear-ended by truck.
2576 Cross-listed in Rail.
2577 Cross-listed in Rail.
ROAD / Highway Events -- Track Crossings & Vehicle Collisions Subset\(^{2578}\) – By Mortality

1. 1963 -- Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chualar, CA -- 32
2. 1940 -- Mar 14, Train hits farm workers Truck at Highway 83 Crossing, Alamo, TX -- 29
3. 1938 -- Dec 01, Train hits Jordan High School Bus at 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\(^{2579}\) -- 20
7. 1961 -- Dec 14, Train and School Bus Collision, Auburn, CO -- 20
8. 1919 -- Nov 1, Train Hits “Auto Truck” at Grade Crossing, Clarksboro, NJ --14-16
9. 1942 -- Oct 28, Train Crashes into Bus, Detroit, MI -- 16
10. 1900 -- Aug 12, Train hits horse-drawn coach at grade crossing ~Slatington, PA --13-15
11. 1911 -- Sep 24, Train Collision with Hay Wagon at Crossing, Neenah, WI -- 15
12. 1916 -- Oct 01, Freight Train/Street Car (Trolley) Crossing Collision, Detroit, MI --10-14
13. 1935 -- Apr 12, School Bus and Train Collision, Rockville, MD -- 14
14. 1960 -- Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA\(^{2580}\) -- 14
15. 1947 -- Feb 17, Train Crew Bus-Train Collision, Michigan City, IN -- 13
16. 1966 -- Dec 28, Train hits stalled Oil Tanker Truck at RR crossing, Fire, Everett, MA -- 13
17. 1956 -- Dec 16, Car, inebriated driver, hits train at Crossing, SW Phoenix, AZ -- 12
18. 1957 -- June 11, Train hits Farm Worker Truck at RR Crossing, Vroman, CO -- 12
19. 1976 -- Feb 07, Train hits Camper-Truck of children, grade crossing, Beckemeyer, IL -- 12
20. 1933 -- Dec 14, School Bus hit, Atlantic Coast Line Train, near Crescent City, FL -- 11
21. 1936 -- Jan 24, Train hits car at crossing, all 11 members of family killed, Grabill, IN -- 11
22. 1936 -- Mar 28, Grade crossing collision, Bus & Central of Georgia Train, Bryon, GA--11
23. 1955 -- Aug 22, Grade Crossing, School Bus Hit by Train, Spring City, TN -- 11
24. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL -- 11
25. 2005 -- Jan 26, Train-Crossing Collision/Derailment/Auto Collision, Glendale, CA -- 11
26. 1892 -- Jan 19, Train hits Clover Fishing Club Sleighing party, St Louis, MO -- ~10
27. 1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train, Round Rock, TX -- 10
28. 1930 -- Jan 22, Train Hits School Bus, Berea, OH -- 10
29. 1937 -- Oct 22, School Bus hit by Rock Island Line Train Rocket, Mason City, IA -- 10
30. 1959 -- Mar 18, Car Hit by Train, Beavercreek Girlscouts, Beavercreek, OH -- 10
31. 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/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
1942 -- Feb 26, Bus with airmen hit by train at RR Crossing in snow storm ~Enid, OK -- 7
1995 -- Oct 25, School Bus stopped at road crossing hit by Train, Fox River Grove, IL -- 7
1891 -- July 27, Minister’s Family Buggy hit by Train at Grade Crossing, Elmira, NY -- 6
1972 -- Mar 24, High School Bus fails to stop at crossing, hit by Train, Congers, NY -- 5

\(^{2578}\) These events are cross-listed in Rail.
\(^{2579}\) Cross-listed in Rail and Winter Storms.
\(^{2580}\) Cross-listed in Hazardous Materials and in Rail.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1892</td>
<td>Jan 19</td>
<td>Train hits Clover Fishing Club sleighing party</td>
<td>St Louis, MO</td>
<td>~10</td>
</tr>
<tr>
<td>1893</td>
<td>Jan 18</td>
<td>Sleighing party hit by train at grade crossing</td>
<td>Lonsdale, RI</td>
<td>9</td>
</tr>
<tr>
<td>1900</td>
<td>Aug 12</td>
<td>Train hits “omnibus” at grade crossing near Slatington</td>
<td>PA</td>
<td>15</td>
</tr>
<tr>
<td>1911</td>
<td>Sep 24</td>
<td>Train collision with hay wagon at crossing</td>
<td>Neenah, WI</td>
<td>15</td>
</tr>
<tr>
<td>1916</td>
<td>Oct 01</td>
<td>Freight train/street car (Trolley) crossing collision</td>
<td>Detroit, MI</td>
<td>10-14</td>
</tr>
<tr>
<td>1919</td>
<td>Nov 1</td>
<td>Train hits “Auto Truck” at grade crossing</td>
<td>Clarksboro, NJ</td>
<td>14-16</td>
</tr>
<tr>
<td>1927</td>
<td>Jan 22</td>
<td>Baylor Univ. Basketball Team bus hit by train</td>
<td>Round Rock, TX</td>
<td>10</td>
</tr>
<tr>
<td>1929</td>
<td>Jan 22</td>
<td>Train hits Greyhound bus, snowstorm</td>
<td>near Bellevue, OH</td>
<td>20</td>
</tr>
<tr>
<td>1930</td>
<td>Jan 22</td>
<td>Train hits School bus</td>
<td>Berea, OH</td>
<td>10</td>
</tr>
<tr>
<td>1930</td>
<td>Apr 11</td>
<td>Train hits Pickwick-Greyhound Bus</td>
<td>near Isleta, NM</td>
<td>22</td>
</tr>
<tr>
<td>1933</td>
<td>Dec 14</td>
<td>School bus hit, Atlantic Coast Line train</td>
<td>near Crescent City, FL</td>
<td>11</td>
</tr>
<tr>
<td>1933</td>
<td>Apr 12</td>
<td>School bus and train collision</td>
<td>Rockville, MD</td>
<td>14</td>
</tr>
<tr>
<td>1936</td>
<td>Jan 24</td>
<td>Train hits car at crossing</td>
<td>all 11 members of family killed, Grabill, IN</td>
<td>11</td>
</tr>
<tr>
<td>1936</td>
<td>Mar 28</td>
<td>Grade crossing collision, bus &amp; Central of Georgia train</td>
<td>Bryon, GA</td>
<td>11</td>
</tr>
<tr>
<td>1936</td>
<td>July 18</td>
<td>Train hits car/9 occupants</td>
<td>crossing near Dundee, near Ann Arbor, MI</td>
<td>9</td>
</tr>
<tr>
<td>1937</td>
<td>Oct 22</td>
<td>School bus hit by Rock Island Line Train</td>
<td>Rocket, Mason City, IA</td>
<td>10</td>
</tr>
<tr>
<td>1938</td>
<td>Dec 1</td>
<td>Grade crossing collision, School bus</td>
<td>Midvale ~Salt Lake City</td>
<td>24</td>
</tr>
<tr>
<td>1938</td>
<td>Oct 28</td>
<td>Train crashes into bus</td>
<td>Detroit, MI</td>
<td>16</td>
</tr>
<tr>
<td>1947</td>
<td>Feb 17</td>
<td>Train crew bus-train collision</td>
<td>Michigan City, IN</td>
<td>13</td>
</tr>
<tr>
<td>1955</td>
<td>Aug 22</td>
<td>Grade crossing, school bus hit by train</td>
<td>Spring City, TN</td>
<td>11</td>
</tr>
<tr>
<td>1955</td>
<td>Nov 18</td>
<td>Truck drives into path of train at crossing</td>
<td>near Newport, MI</td>
<td>9</td>
</tr>
<tr>
<td>1956</td>
<td>Dec 16</td>
<td>Car, inebriated driver</td>
<td>hits train at crossing</td>
<td>SW Phoenix, AZ</td>
</tr>
<tr>
<td>1959</td>
<td>March 18</td>
<td>Car hits by train</td>
<td>Beavercreek Girlscouts, Beavercreek, OH</td>
<td>10</td>
</tr>
<tr>
<td>1959</td>
<td>Dec 18</td>
<td>Car tries to beat train across road</td>
<td>at crossing, Fowlerville, MI</td>
<td>8</td>
</tr>
<tr>
<td>1960</td>
<td>Mar 01</td>
<td>Train and oil tank truck collision</td>
<td>Fire, Bakersfield, CA</td>
<td>14</td>
</tr>
<tr>
<td>1961</td>
<td>Dec 14</td>
<td>Train and school bus collision</td>
<td>Auburn, CO</td>
<td>20</td>
</tr>
<tr>
<td>1963</td>
<td>Sep 17</td>
<td>Train hits migrant worker truck-bus, grade-crossing</td>
<td>Chualar, CA</td>
<td>32</td>
</tr>
<tr>
<td>1964</td>
<td>May 11</td>
<td>Train hits station wagon with 8 children</td>
<td>near Mesa, AZ</td>
<td>10</td>
</tr>
<tr>
<td>1966</td>
<td>Dec 28</td>
<td>Train hits stalled oil tanker truck</td>
<td>at RR crossing, Fire, Everett, MA</td>
<td>13</td>
</tr>
<tr>
<td>1972</td>
<td>Mar 24</td>
<td>High School bus fails to stop at crossing</td>
<td>hit by train, Congers, NY</td>
<td>5</td>
</tr>
<tr>
<td>1977</td>
<td>Oct 02</td>
<td>Amtrak train hits pickup truck</td>
<td>at crossing, Plant City, FL</td>
<td>10</td>
</tr>
<tr>
<td>1995</td>
<td>Oct 25</td>
<td>School bus stopped at RR crossing</td>
<td>hit by train, Fox River Grove, IL</td>
<td>7</td>
</tr>
<tr>
<td>1999</td>
<td>Mar 15</td>
<td>Amtrak train &amp; truck collision</td>
<td>at grade crossing, Bourbonnais, IL</td>
<td>11</td>
</tr>
<tr>
<td>2005</td>
<td>Jan 26</td>
<td>Train-crossing collision/derailment/auto collision</td>
<td>Glendale, CA</td>
<td>11</td>
</tr>
</tbody>
</table>

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2581 If followed by an asterisk the event is cross-listed in Rail.
2582 Cross-listed in Rail and Winter Storms.
2583 Cross-listed in Hazardous Materials and in Rail.
2584 Cross-listed in Rail. This was a flatbed truck which had been converted into a bus-like vehicle.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1950</td>
<td>May 25</td>
<td>Collision, Green Hornet Trolley &amp; Gasoline Tank Truck</td>
<td>Chicago, IL</td>
<td>34</td>
</tr>
<tr>
<td>1963</td>
<td>May 18</td>
<td>Farm worker bus sideswipe by truck, goes into canal</td>
<td>Belle Glade, FL</td>
<td>27</td>
</tr>
<tr>
<td>1957</td>
<td>Jun 06</td>
<td>Tractor-Trailer/Migrant Labor Truck Collision/Fire</td>
<td>Fayetteville, NC</td>
<td>20-21</td>
</tr>
<tr>
<td>1989</td>
<td>Sep 21</td>
<td>Truck/Mission School Bus Collision/Drowning</td>
<td>Alton, TX</td>
<td>-- 21</td>
</tr>
<tr>
<td>1943</td>
<td>June 05</td>
<td>Army truck crashes through bridge over railroad</td>
<td>Nashville, TN</td>
<td>-- 19</td>
</tr>
<tr>
<td>1947</td>
<td>Aug 05</td>
<td>Worker/Gasoline Trucks Collide and Burn</td>
<td>Waxahachie, TX</td>
<td>-- 19</td>
</tr>
<tr>
<td>1972</td>
<td>Dec 26</td>
<td>Bus/Truck Collision</td>
<td>U.S. 60-84, Fort Sumner, NM</td>
<td>-- 19</td>
</tr>
<tr>
<td>1959</td>
<td>June 8</td>
<td>Farm Labor Truck/Bus Crash, Fuel Explosion/Fire</td>
<td>Phoenix, AZ</td>
<td>-- 17</td>
</tr>
<tr>
<td>1975</td>
<td>Apr 29</td>
<td>Surtigas, S.A. LPG tank truck crash/explosion/fire</td>
<td>Eagle Pass, TX</td>
<td>-- 16</td>
</tr>
<tr>
<td>1951</td>
<td>Aug 18</td>
<td>Beer truck/car/colide, truck/Greyhound bus collide</td>
<td>Alpena, MI</td>
<td>-- 11-14</td>
</tr>
<tr>
<td>1957</td>
<td>June 13</td>
<td>Army Truck Skids into Piney Ford Creek</td>
<td>Ft. Campbell, KY</td>
<td>-- 14</td>
</tr>
<tr>
<td>1958</td>
<td>June 16</td>
<td>Migrant Farm Worker Truck Fire (spilled gasoline)</td>
<td>Soledad, CA</td>
<td>-- 14</td>
</tr>
<tr>
<td>1972</td>
<td>May 13</td>
<td>Greyhound Bus/Freight Truck Collision</td>
<td>Bean Station, TN</td>
<td>-- 14</td>
</tr>
<tr>
<td>1994</td>
<td>July 03</td>
<td>Tractor Trailer rear-ends Family Van</td>
<td>Interstate 20, Weatherford, TX</td>
<td>-- 14</td>
</tr>
<tr>
<td>1963</td>
<td>Jun 10</td>
<td>Brakes fail, Boy Scouts in Truck goes off hill</td>
<td>Hole-in-the-Wall, UT</td>
<td>-- 13</td>
</tr>
<tr>
<td>1966</td>
<td>Dec 28</td>
<td>Train hits stalled Oil Tanker Truck at RR crossing</td>
<td>Everett, MA</td>
<td>-- 13</td>
</tr>
<tr>
<td>1942</td>
<td>Oct 03</td>
<td>Gasoline Tanker/Wagon/Bus/Collision</td>
<td>Lumberton, NC</td>
<td>--11-12</td>
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<tr>
<td>1959</td>
<td>June 02</td>
<td>Collision/Fire/Explos., Propane Gas Truck</td>
<td>Deer Lake, east PA</td>
<td>--11-12</td>
</tr>
<tr>
<td>1959</td>
<td>Oct 9</td>
<td>Semi-trailer tanker rear-ends Trenton St. Col. bus</td>
<td>New Brunswick, NJ</td>
<td>--12</td>
</tr>
<tr>
<td>1943</td>
<td>Dec 14</td>
<td>War workers bus and tractor trailer collide, bus burns</td>
<td>Campbell, NY</td>
<td>-- 11</td>
</tr>
<tr>
<td>1965</td>
<td>Aug 28</td>
<td>Collision Greyhound Bus &amp; Timber Truck</td>
<td>Vinton, LA</td>
<td>-- 11</td>
</tr>
<tr>
<td>1994</td>
<td>July 03</td>
<td>Tractor Trailer broadsides Pickup Truck</td>
<td>Snyder, west TX</td>
<td>-- 11</td>
</tr>
<tr>
<td>1997</td>
<td>July 29</td>
<td>Dump Truck Hits Pickup Truck</td>
<td>Albion, Concord Township, MI</td>
<td>-- 11</td>
</tr>
<tr>
<td>1997</td>
<td>Nov 16</td>
<td>Highway Collision/Fog, Van and Semi</td>
<td>Mendota, CA</td>
<td>-- 11</td>
</tr>
<tr>
<td>1999</td>
<td>Mar 15</td>
<td>Amtrak train &amp; truck collision at grade crossing</td>
<td>Bourbonnais, IL</td>
<td>-- 11</td>
</tr>
<tr>
<td>2010</td>
<td>Mar 26</td>
<td>Highway Crash, Tractor-Trailer hits Van</td>
<td>Munfordville, KY</td>
<td>-- 11</td>
</tr>
<tr>
<td>1944</td>
<td>Nov 21</td>
<td>Car/Truck Collision, Butane Gas Tank Truck</td>
<td>Denison, TX</td>
<td>--10</td>
</tr>
<tr>
<td>1949</td>
<td>Nov 10</td>
<td>Cotton Pickers Truck/Semi Collide</td>
<td>Hwy. 80 near Gila Bend, AZ</td>
<td>-- 10</td>
</tr>
<tr>
<td>1953</td>
<td>Mar 20</td>
<td>Family Killed, Truck and Car Collision</td>
<td>Washington, NJ</td>
<td>-- 10</td>
</tr>
<tr>
<td>1967</td>
<td>Jun 23</td>
<td>Asphalt tanker truck and station wagon collide</td>
<td>Hardeeville, SC</td>
<td>-- 10</td>
</tr>
<tr>
<td>1982</td>
<td>Oct 8</td>
<td>Tractor Semitrailer collides head-on with church van</td>
<td>Lemoore, CA</td>
<td>--10</td>
</tr>
<tr>
<td>1983</td>
<td>Dec 23</td>
<td>Collision, Activity Bus/Semitrailer</td>
<td>Devers, TX</td>
<td>-- 10</td>
</tr>
<tr>
<td>2000</td>
<td>Jan 23</td>
<td>Icy-road, Multi-vehicle Collision</td>
<td>Platte City, MO</td>
<td>-- 10</td>
</tr>
<tr>
<td>2004</td>
<td>Sep 20</td>
<td>Tractor-trailer crosses median, hits Pickup and SUV</td>
<td>Sherman, TX</td>
<td>-- 10</td>
</tr>
</tbody>
</table>

---

2585 Cross-listed in Rail.
2586 Cross-listed in Truck subset because a passing, sideswiping, pickup truck caused the bus to go into the canal.
2587 Cross-listed in auto and in bus subsets.
2588 Cross-listed in Rail.
2589 Cross-listed in Explosions.
2590 Cross-listed in Schoolbus subsection – bus of Trenton St. Col. students at a red-light was rear-ended by truck.
2591 Cross-listed in Fog as a Contributing Factor.
2592 Cross-listed in Rail
2593 Cross-listed in Explosions and in Hazardous Materials.
2594 Cross-listed in Van subset in that all ten fatalities were in the van struck by the truck.
### Other:

ROAD/HWY Events Subset -- TRUCK/Tractor Trailer/Tanker -- By Mortality

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Description</th>
<th>Location</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1940</td>
<td>Nov 07</td>
<td>Automobile and Gravel Truck Collide, all killed, Pipestone, MN</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>1988</td>
<td>Dec 23</td>
<td>Propane tanker hits wall explodes; parts hit house, cars, Memphis TN</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>2018</td>
<td>Aug 30</td>
<td>Semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM</td>
<td></td>
<td>9</td>
</tr>
<tr>
<td>1981</td>
<td>Nov 14</td>
<td>Hazardous material tanker sideswipes truck, explodes ~Canon City, CO</td>
<td></td>
<td>8</td>
</tr>
<tr>
<td>1977</td>
<td>Sep 24</td>
<td>Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>1982</td>
<td>Apr 07</td>
<td>HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>1983</td>
<td>Jan 19</td>
<td>Driver dozes, Semi hits cars/fire, toll booth, CT Turnpike, Stratford, CT</td>
<td></td>
<td>7</td>
</tr>
<tr>
<td>2019</td>
<td>Jan 3</td>
<td>Multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL</td>
<td></td>
<td>7</td>
</tr>
</tbody>
</table>

2595 Cross-listed in Explosions and in Hazardous Materials Events.
2596 Cross-listed in HazMat. Gasoline tanker ruptured/exploded burning to death 6 passengers in nearby car.
2597 Cross-listed in Road/Highway.
2598 Cross-listed in Hazardous Materials.
2599 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/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 TX 2600 -- 10
4. 1947 -- Aug 05, Truck/Vehicle Collision/Fire, Transport Co., of TX, Waxahachie, TX -- 19
5. 1949 -- Nov 10, Cotton Pickers Truck/Semi Collide, U.S. Hwy. 80 near Gila Bend, AZ -- 10

6. 1950 -- May 25, Collision, Green Hornet Trolley & Gasoline Tank Truck, Chicago, IL 2601-34
7. 1951 -- Aug 18, Beer truck/car collide, truck/Greyhound bus collide ~Alpena, MI 2602 --11-14
8. 1957 -- June 06, Tractor-Trailer/Migrant Labor Truck Collision/Fire ~Fayetteville, NC-20-21
9. 1957 -- June 13, Army Truck Skids into Piney Ford Creek, Ft. Campbell, KY -- 14
10. 1958 -- June 16, Migrant Farm Worker Truck Fire (spilled gasoline) Soledad, CA -- 14
11. 1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck, ~Deer Lake, east PA 2603 --11-12
12. 1959 -- June 08, Farm Labor Truck/Bus Crash, Fuel Explos./Fire, near Phoenix, AZ -- 17

14. 1963 -- May 18, Farm worker bus sideswiped by truck, goes into canal, ~Belle Glade, FL 2605 27
15. 1965 -- Aug 28, Collision Greyhound Bus & Timber Truck, Vinton, LA -- 11
16. 1966 -- Dec 28, Train hits stalled Oil Tanker Truck at RR crossing, Fire, Everett, MA 2606 -- 13
17. 1967 -- Jun 23, Asphalt tanker truck and station wagon collide, Hardeeville, SC -- 10

18. 1972 -- May 13, Greyhound Bus/Freight Truck Collision, Bean Station, TN -- 14
19. 1972 -- Dec 26, Bus/Truck Collision, U.S. 60-84, Fort Sumner, NM -- 19
20. 1975 -- Apr 29, Surtigas, S.A. LPG tank truck crash/explosion/fire, near Eagle Pass, TX -- 16
       1977 -- Sep 24, Gasoline Tank Truck Collision, St. Ft. 11, Beattyville, KY 2607 -- 7

1981 -- Nov 14, hazardous material tanker sideswipes truck, explodes ~Canon City, CO 2608-8
1982 -- Apr 7, HazMat Gasoline Truck Collision, Caldecott Tunnel, Oakland CA 2609 -- 7
21. 1982 -- Oct 8, Tractor Semitrailer collides head-on with church van near Lemoore, CA 2610-10
       1983 -- Jan 19, Driver dozes, Semi hits cars/fire, toll booth, CT Turnpike, Stratford, CT -- 7
22. 1983 -- Dec 23, Collision, Activity Bus/Semitrailer, near Devers, TX -- 10
       1988 -- Dec 23, Propane tanker hits wall explodes; parts hit house, cars, Memphis TN 2611 -- 9
23. 1989 – Sep 21, Truck/Mission School Bus Collision/Drowning, Alton, TX -- 21

2600 Cross-listed in Explosions and in Hazardous Materials.
2601 Cross-listed in Rail.
2602 Cross-listed in auto and in bus subsets.
2603 Cross-listed in Explosions.
2604 Cross-listed in Schoolbus subsection – bus of Trenton St. Col. students at a red-light was rear-ended by truck.
2605 Cross-listed in Truck subset because a passing, sideswiping, pickup truck caused the bus to go into the canal.
2606 Cross-listed in Rail.
2607 Cross-listed in Road/Highway.
2608 Cross-listed in HazMat. Gasoline tanker ruptured/exploled burning to death 6 passengers in nearby car.
2609 Cross-listed in Hazardous Materials.
2610 Cross-listed in Van subset in that all ten fatalities were in the van struck by the truck.
2611 Cross-listed in Explosions and in Hazardous Materials Events.
24. 1997 -- July 29, Dump Truck Hits Pickup Truck, Albion, Concord Township, MI -- 11
25. 1997 -- Nov 16, Highway Collision/Fog, Van and Semi, Mendota, CA\textsuperscript{2612} -- 11
26. 1999 -- Mar 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL\textsuperscript{2613} -- 11

**Highway Accidents/Incidents Subset -- Truck/Tractor-Trailer/Tanker-- Chronological**

27. 2010 -- Mar 26, Highway Crash, Tractor-Trailer hits Van, ~Munfordville, KY -- 11
   2018 -- Aug 30, semitrailer hits Greyhound bus after blowout, I-40, near Thoreau, NM-- 9
   2019 -- Jan 3, Multi-vehicle collision (4); diesel fuel fire, I-75 near Gainesville, FL\textsuperscript{2614}-- 7

\textsuperscript{2612} Cross-listed in Fog as a Contributing Factor.
\textsuperscript{2613} Cross-listed in Rail
\textsuperscript{2614} Though a family of five were killed in their vehicle, we list here because a tractor-trailer caused the collision.
SOUTHEASTER NORTHERN PACIFIC (ALASKA) STORM

1. 1900 -- Sep 12-13, Southeaster gale, off-shore Natives in boats, inshore, Nome, AK2615 >100

2615 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 – By Mortality

1. 1918 -- Late Fall-Early Spring, 1919, Influenza, Starvation, Freezing, Natives\textsuperscript{2616} \(\rightarrow\geq1,500\)
2. 1668 -- Famine and Starvation, Las Humanas and other Pueblos, current-day NM \(\rightarrow\sim450\)
3. 1609-10 -- Hard winter, Starvation, Disease, Attack, Jamestown Colony, VA\textsuperscript{2617} \(>400-440\)
4. 1607 -- July-Dec, Disease and Famine/Starvation, Jamestown Colony, VA\textsuperscript{2618} \(\rightarrow\sim66\)
5. 1847 -- Feb, Donner Party Tragedy, Winter Storms, Snow, Starvation, Donner Lake, CA \(\rightarrow\sim43\)
6. 1871 -- Jul 3, Cal. Brig \textit{Shelehoff} disabled Pacific Ocean storm, starvation, found Oct 19\textsuperscript{2619-11}

STARVATION -- Chronological

1. 1607 -- July-Dec, Disease and Famine/Starvation, Jamestown Colony, VA\textsuperscript{2620} \(\rightarrow\sim66\)
2. 1609-10 -- Hard winter, Starvation, Disease, Attack, Jamestown Colony, VA\textsuperscript{2621} \(>400-440\)
3. 1668 -- Famine and Starvation, Las Humanas and other Pueblos, current-day NM \(\rightarrow\sim450\)
4. 1847 -- Feb, Donner Party Tragedy, Winter Storms, Snow, Starvation, Donner Lake, CA \(\rightarrow\sim43\)
5. 1871 -- Jul 3, Cal. Brig \textit{Shelehoff} disabled Pacific Ocean storm, starvation, found Oct 19\textsuperscript{2622-11}
6. 1918 -- Late Fall-Early Spring, 1919, Influenza, Starvation, Freezing, Natives\textsuperscript{2623} \(\rightarrow\geq1,500\)

\textsuperscript{2616} Cross-listed in Disease.
\textsuperscript{2617} 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.
\textsuperscript{2618} Cross-listed in Disease. The sources utilized do not breakout starvation/famine from disease deaths.
\textsuperscript{2619} Criss-listed in Maritime.
\textsuperscript{2620} Cross-listed in Disease. The sources utilized do not breakout starvation/famine from disease deaths.
\textsuperscript{2621} 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.
\textsuperscript{2622} Criss-listed in Maritime.
\textsuperscript{2623} Cross-listed in Disease.
## STRUCTURAL FAILURE -- Master List -- By MORTALITY

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1889</td>
<td>May 31, South Fork Dam Failure, Flood, Fire</td>
<td>Johnstown, PA</td>
<td>3,311</td>
</tr>
<tr>
<td>2005</td>
<td>Aug 29, Levee Failure due to Hurricane Katrina</td>
<td>New Orleans, LA</td>
<td>1,253</td>
</tr>
<tr>
<td>1927</td>
<td>Late March-July, flooding, levee breaks upper and esp. lower MS River</td>
<td></td>
<td>2625-246-500</td>
</tr>
<tr>
<td>1928</td>
<td>Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley</td>
<td>CA</td>
<td>2626-370-431</td>
</tr>
<tr>
<td>1892</td>
<td>June 5, Dam Failure, Oil Fire, Titusville, Oil City</td>
<td>PA</td>
<td>2627</td>
</tr>
<tr>
<td>1912</td>
<td>Mar-Apr, Flooding/Levee failures, MS River, IL, TN, MS, KY, AR, MO, LA</td>
<td></td>
<td>2628-245</td>
</tr>
<tr>
<td>1972</td>
<td>Jun 09, Pactola Dam Failure, Black Hills Flash Flood</td>
<td>Rapid City, SD</td>
<td>2629-236-238</td>
</tr>
<tr>
<td>1860</td>
<td>Jan 10, Building Cave-in &amp; Fire, Pemberton Cotton Mills</td>
<td>Lawrence, MA</td>
<td>2630-238</td>
</tr>
<tr>
<td>1874</td>
<td>May 16, Mill River Reservoir Dam Failure</td>
<td>Williamsburg, MA</td>
<td>2631-139-200</td>
</tr>
<tr>
<td>1927</td>
<td>Nov 2-4, New England Flooding, Sharon Dam Fails</td>
<td>Winooski River, VT</td>
<td>2632-200</td>
</tr>
<tr>
<td>1913</td>
<td>Dec 2-10, Flooding/Levee Failures, Brazos, Other Valleys, Cent., East, Coast TX</td>
<td></td>
<td>2633-177-190</td>
</tr>
<tr>
<td>1862</td>
<td>June 4/5, Great Flood of '62, Flooding &amp; Dam Failures, Lehigh River</td>
<td>PA</td>
<td>2634-150</td>
</tr>
<tr>
<td>1911</td>
<td>Sep 30, Bayliss Dam Failure, Freeman Run Valley</td>
<td>Austin, PA</td>
<td>2635-78-149</td>
</tr>
<tr>
<td>1972</td>
<td>Feb 26, Dam Failure, Buffal Creek</td>
<td>WV</td>
<td>2636-126</td>
</tr>
<tr>
<td>1850</td>
<td>Sep 2, Rain/Flooding, esp. east central PA, esp. Tamaqua, Nescopeck Forge</td>
<td></td>
<td>2637-100-120</td>
</tr>
<tr>
<td>1921</td>
<td>Jun 02, Arkansas River Levee Failures, Pueblo County, CO</td>
<td></td>
<td>2638-120</td>
</tr>
<tr>
<td>1904</td>
<td>Aug 07, Bridge/Trestle Fails Under Train, Near Pueblo</td>
<td>CO</td>
<td>2639-116</td>
</tr>
<tr>
<td>1981</td>
<td>Jul 17, Hyatt Regency Walkway Collapse, Kansas City</td>
<td>MO</td>
<td>2640-114</td>
</tr>
<tr>
<td>1876</td>
<td>Dec 29, Bridge Collapse Under Train, Ashtabula, OH</td>
<td></td>
<td>2641-100</td>
</tr>
<tr>
<td>1890</td>
<td>Feb 22, Dam Failure, Walnut Grove</td>
<td>AZ</td>
<td>2642-100</td>
</tr>
<tr>
<td>1922</td>
<td>Jan 28, Roof Collapse, snow weight, Knickerbocker Theater</td>
<td>Wash. DC</td>
<td>2643-98</td>
</tr>
<tr>
<td>1887</td>
<td>Aug 10, Great Chatsworth (IL) Trestle Failure/Train Wreck</td>
<td>IL</td>
<td>2644-85</td>
</tr>
<tr>
<td>1977</td>
<td>July 20, Dam Failures, Flash Floods, Johnstown &amp; Tanneryville</td>
<td>PA</td>
<td>2645-84</td>
</tr>
<tr>
<td>1955</td>
<td>Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA</td>
<td></td>
<td>2646-76</td>
</tr>
</tbody>
</table>

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2624 Cross-listed in Flooding.
2625 Cross-listed in Flooding.
2626 Cross-listed in Flooding.
2627 Cross-listed in Fire, Structural, and in Flooding.
2628 Cross-listed in Flooding.
2629 Cross-listed in Flooding.
2630 Cross-listed in Fire.
2631 Cross-listed in Flooding; some of the flooding fatalities were attributable to the Sharon Dam failure.
2632 Cross-listed in Flooding.
2633 Cross-listed in Flooding.
2634 Cross-listed in Flooding.
2635 Cross-listed in Flooding.
2636 Cross-listed in Flooding.
2637 Cross-listed in Flooding. Noted here in that most of the fatalities were of people in structures which failed.
2638 Cross-listed in Flooding.
2639 Cross-listed in Rail.
2640 Cross-listed in Rail.
2641 Cross-listed in Flooding.
2642 Cross-listed in Winter Storms.
2643 Cross-listed under Rail.
2644 Cross-listed in Flooding.
2645 Cross-listed in Flooding.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1883</td>
<td>July 23</td>
<td>Pier Fails, North Point, Tivoli Park, Baltimore, MD</td>
<td></td>
<td>63-70</td>
</tr>
<tr>
<td>1891</td>
<td>Aug 22</td>
<td>Building Collapse/Fire, Taylor Bldg., Park Place, New York, NY</td>
<td></td>
<td>60-61</td>
</tr>
<tr>
<td>1870</td>
<td>Apr 29</td>
<td>Court House Gallery Collapse, Richmond, VA</td>
<td></td>
<td>~60</td>
</tr>
<tr>
<td>1916</td>
<td>Jan 14-30</td>
<td>Heavy Rain, So. CA Flooding, Lower Otay Dam Failure, CA</td>
<td></td>
<td>22-60</td>
</tr>
<tr>
<td>1873</td>
<td>May 4</td>
<td>Truesdell Bridge Collapse, Pedestrians fall, Rock River, Dixon, IL</td>
<td></td>
<td>56</td>
</tr>
<tr>
<td>1978</td>
<td>Apr 27</td>
<td>Scaffold Collapses, Monongahela Power Co., Willow Island, WV</td>
<td></td>
<td>51</td>
</tr>
<tr>
<td>1965</td>
<td>Sep 9-10</td>
<td>Hurricane Betsy, levee breaks, New Orleans and South LA</td>
<td></td>
<td>~50</td>
</tr>
<tr>
<td>1913</td>
<td>May 24</td>
<td>Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach CA</td>
<td></td>
<td>40-47</td>
</tr>
<tr>
<td>1938</td>
<td>Jun 19</td>
<td>Flash Flood, Bridge Fails, Train Crash, Miles City, MT</td>
<td></td>
<td>47</td>
</tr>
<tr>
<td>1967</td>
<td>Dec 15</td>
<td>Silver Bridge Collapse, OH River, Point Pleasant WV &amp; Gallipolis, OH</td>
<td></td>
<td>46</td>
</tr>
<tr>
<td>1925</td>
<td>July 4, 2nd</td>
<td>floor collapse into basement, Pickwick dance Club, Boston, MA</td>
<td></td>
<td>44-45</td>
</tr>
<tr>
<td>1876</td>
<td>July 4</td>
<td>Storm, Flash Flood, Dam Failure, Rockdale, IA</td>
<td></td>
<td>41-42</td>
</tr>
<tr>
<td>1859</td>
<td>June 28</td>
<td>Summer Brook Bridge Fails Under Train, Mishawaka, IN</td>
<td></td>
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</tr>
<tr>
<td>1912</td>
<td>June 23</td>
<td>Pier/Dock Collapse, Eagle Park, Niagara River, near Buffalo, NY</td>
<td></td>
<td>39</td>
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<tr>
<td>1918</td>
<td>June 29</td>
<td>Structural Failure, Ruff Building, Sioux City, IA</td>
<td></td>
<td>39</td>
</tr>
<tr>
<td>1977</td>
<td>Nov 06</td>
<td>Dam Failure and Flash Flood, Kelly Barnes Dam, Tococa, GA</td>
<td></td>
<td>39</td>
</tr>
<tr>
<td>1887</td>
<td>Mar 14</td>
<td>Busey Bridge Collapses Under Train, Roslindale ~Boston, MA</td>
<td></td>
<td>37</td>
</tr>
<tr>
<td>1900</td>
<td>June 23</td>
<td>Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA</td>
<td></td>
<td>23-37</td>
</tr>
<tr>
<td>1946</td>
<td>Dec 12</td>
<td>Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC</td>
<td></td>
<td>2655-37</td>
</tr>
<tr>
<td>1980</td>
<td>May 9</td>
<td>Summit Venture hits Sunshine Skyway Bridge, Collapse, Tampa FL</td>
<td></td>
<td>35</td>
</tr>
<tr>
<td>1898</td>
<td>Apr 03</td>
<td>Levee Fails, Flash Flood, Shawneetown, IL</td>
<td></td>
<td>25-33</td>
</tr>
<tr>
<td>1855</td>
<td>Nov 01</td>
<td>Bridge Failure Under Excursion Train, Gasconade, MO</td>
<td></td>
<td>20-31</td>
</tr>
<tr>
<td>1923</td>
<td>Sep 27</td>
<td>Bridge Washout/Train Derailment, near Lockett, WY</td>
<td></td>
<td>31</td>
</tr>
<tr>
<td>1987</td>
<td>Apr 23</td>
<td>Const. Collapse, L’Ambiance Plaza Apartments, Bridgeport, CT</td>
<td></td>
<td>28</td>
</tr>
<tr>
<td>1888</td>
<td>Mar 17</td>
<td>Trestle Collapse, West India Mail Train wrecks, Blackshear GA</td>
<td></td>
<td>25-27</td>
</tr>
<tr>
<td>1900</td>
<td>April 7</td>
<td>Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX</td>
<td></td>
<td>&gt;24</td>
</tr>
<tr>
<td>1921</td>
<td>Sep 10</td>
<td>Third Street Foot-Bridge Collapses, Chester River, Chester, PA</td>
<td></td>
<td>24</td>
</tr>
<tr>
<td>1903</td>
<td>July 5</td>
<td>Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA</td>
<td></td>
<td>20-23</td>
</tr>
</tbody>
</table>

2646 Cross-listed in Flooding.
2647 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.
2648 Cross-listed in Flash Floods and Structural Failures (Bridge/Trestles).
2649 Cross-listed in Flooding.
2650 Cross-listed in Rail.
2651 Cross-listed in Flooding - Flash Floods.
2652 Cross-listed in Flooding.
2653 Cross-listed in Flooding.
2654 Cross-listed in Rail.
2655 Cross-listed in Rail and Flooding.
2656 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-feet thick brick wall to fall onto and crush the tenement.
2657 Cross-listed in Maritime and in Road/Highway.
2658 Cross-listed in Flooding.
2659 Cross-listed in Rail.
2660 Cross-listed in Flooding.
54. 1893 -- June 9, Building Collapse, Ford’s Theater, Washington, DC -- 22
55. 1840 -- Aug 22, State Street Canal Basin Drawbridge Fails, Albany, NY -- 21
56. 1880 -- July 21, Tunnel Failure (Blowout), Hudson & Manhattan (Hudson Riv), NY -- 21
57. 1893 -- Dec 15, Crane/Span Fall, Bridge construction, Louisville, KY/Jeffersonville, IN -- 21
58. 1919 -- Jan 15, Molasses Tank Collapse, US Industrial Alcohol Co., Boston, MA -- 21
59. 1855 -- Nov 01, Bridge Failure Under Excursion Train from St. Louis, MO 2661 -- 20
60. 1856 -- July 01, Wharf Fails, Reed Street, Delaware River, Philadelphia, PA 10-20
61. 1899 -- Aug 06, Gangplank Fails, Drowning, Mount Desert Ferry ~ Bar Harbor, ME -- 20
63. 1908 -- Aug 25, Bridge fails with pedestrians watching flood water, Camden, SC 2662 -- 19
64. 1924 -- Dec 24, Mathieson Alkali Works “Muck” dam fails, Palmerton/Saltville, VA -- 19
66. 1840 -- Apr 13, Downpour, flooding, dams fail, esp. Pocasset Riv. Simmonsville, RI 2664 -- 18
67. 1864 -- July 20, Structural Collapse, Blockley Almshouse and Insane Asylum, Philly -- 16-18
68. 1906 -- Dec 04, Heavy Rain, Detroit Dam Fails, Flooding, Clifton, AZ 2665 -- 13-18
69. 1922 -- Sep 11, Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA 2666-18
70. 1895 -- Aug 13, Ireland Building Collapse (under construction), New York, NY -- 17
71. 1883 -- Feb 20, Fire Evacuation, Railing Breaks, Fall & Suffocation, School, NYC -- 15-16
72. 1901 -- June 26, Trestle Fails under Train, weakened by recent rain, near Peru, IN 2667 -- 16
73. 1941 -- Dec 04, Charter Oak Bridge Collapse (under construction), Hartford, CT -- 16
74. 1948 -- May 22-June 11, Flooding/dike failures, Pacific NW, esp. Vanport, OR 2668 -- ≥16
75. 1871 -- July 03, Bridge Fails under Train, Harpeth River, near Nashville, TN 2669 -- 15
76. 1872 -- Dec 25, Memorial Bap. Church XMAS Svc. Floor Collapse, Newberry, PA -- 13-15
77. 1876 -- Mar 6, Bridge Fails under Train, Valley Div., B&O, Shenandoah Co., VA 2670 -- 15
78. 1883 -- Apr 07, Ende Hotel Structural Failure and Fire, Greenville, TX 2671 -- 13-15
79. 1885 -- May 05, Factory Building Collapse, State and Hicks Streets, Brooklyn, NY -- 15
80. 1889 -- July 09, Storm, Flooding, Stone Bridge failure, Johnstown, NY 2672 -- 6-15
81. 1898 -- Nov 05, Building Collapse, Wonderland Theater, Detroit, MI -- 15
82. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, Americus, GA 2673 -- ≥15

2661 Cross-listed in Rail
2662 Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.
2663 Cross-listed in Flooding.
2664 Cross-listed in Flooding.
2665 Cross-listed in Flooding -- Flash Flood.
2666 Cross-listed in Road and Highway.
2667 Cross-listed in Rail
2668 There was well over a month of flooding. Our dates encompass flooding deaths (including 11 Canadian). 57 is a solid figure; higher than 57 figure is questionable in that it includes 39 deaths from WA (Weather Bureau report for Washington State for May-June notes 39 state deaths), and we have been able to specifically identify but six. Cross-listed in Flooding. At least 16 of the deaths can be directly attributed to “dike” failures.
2669 Cross-listed in Rail.
2670 Cross-listed under Rail.
2671 Cross listed in Fire.
2672 Cross-listed in Flooding.
2673 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.
83. 1874 -- June 23, Floor Failure, Festival, Central Baptist Church, Syracuse, NY -- 14
84. 1890 -- Jan 9, Bridge Caisson No. 1, floods, Ohio River, near Jeffersonville, IN -- 14
85. 1973 -- Mar 02, Construct. Collapse, Skyline Plaza Apartments, Baileys Crossroads VA -- 14
86. 1986 -- Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV \[2674\] -- 14
87. 1988 -- July 7, La Tienda Amigo Dept. Store Collapse, heavy rain, Brownsville, TX -- 14
88. 2002 -- May 26, Barge hits Bridge, Span Collapse, Webbers Falls, OK \[2675\] -- 14

89. 1860 -- March 1, Building Wall Failure, St. Francis Xavier Church, Cincinnati, OH -- 13
90. 1866 -- Sep 14, Rail Bridge Collapse, Pedestrians fall, Johnstown, PA -- 13
91. 1869 -- Jan 31, Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT \[2676\] -- 11-13
92. 1893 -- Aug 31, Bridge Fails, Train Wreck, near Chester, MA \[2677\] -- 13
93. 1905 -- Aug 08, Collapse, John G. Myers Dry Goods Store, Pearl St., Albany, NY -- 13
95. 1982 -- Apr 15, Construction Failure, Indiana Highway Ramp, East Chicago, IL -- 13
96. 2003 -- June 29, Apartment Building Balcony Collapse, Lincoln Park, Chicago, IL -- 13
97. 2007 -- Aug 01, Interstate 35W Bridge Collapse, Minneapolis, MN -- 13

98. 1865 -- Feb 4-5, Bridge fails, train falls into Lee’s Creek, burns, ~Leesburg, OH \[2678\] -- 11-12
99. 1874 -- Feb 13, 3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA -- 8-12
100. 1876 -- Feb 05, Gallery Fails, Robinson’s Opera House, Cincinnati, OH -- 12
101. 1903 -- Aug 08, Bleacher Collapses, National Baseball Park, Philadelphia, PA -- 12
102. 1906 -- July 23, Collapse, Amsden Building, South Framingham, MA -- ~12
103. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho \[2679\] -- 11-12
104. 1999 -- Nov 17/18, Texas A&M Bonfire Stack collapse, College Station, TX -- 12
105. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM \[2680\] -- 12

106. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI \[2681\] -- 11
107. 1896 -- Feb 6, Train Bridge Failure (repairmen die), Pequabuck Riv., East Bristol, CT \[2682\] -- 11
108. 1901 -- July 11, Nickel Plate RR Bridge Collapse, Train Crash, Springfield, PA \[2683\] -- 11
109. 1905 -- Feb 27, Floor Collapse/Fire Scare/Trampling, Church Service, Brooklyn, NY \[2684\] -- 11
110. 1913 -- Late April, flooding from Ohio and Mississippi River flooding, levee break \[2685\] -- 11
111. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA-11

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\[2674\] Cross-listed in Flooding.
\[2675\] Cross-listed in Maritime. More of a knock-down than a failure.
\[2676\] Cross-listed in Flooding.
\[2677\] Cross-listed in Rail.
\[2678\] Cross-listed in Rail.
\[2679\] Cross-listed in Flooding.
\[2680\] Cross-listed in Explosions and in Fires-Structural.
\[2681\] Cross-listed in Rail as well as Flash Flooding
\[2682\] Cross-listed in Rail.
\[2683\] Cross-listed in Rail.
\[2684\] Cross-listed in Violence – Crushing, Trampling, Suffocation

There were many levee failures from this large-area rain storms event March 23-27, especially in the Ohio River Valley. There were failures down the Ohio River and then down the Mississippi River. See 1913 March Flood file.
112. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS\(^{2686}\) -- 11
113. 1923 -- Mar 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT --10-11
114. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM\(^{2687}\) -- 11
115. 1981 – March 27, Construction Failure, Harbour Cay Condominium, Cocoa Beach, FL--11

**STRUCTURAL FAILURE – Master List -- By MORTALITY -- (Cont.)**

116. 1832 -- May 04, Building Collapse, Phelps & Peck, Cliff & Fulton Streets, NYC -- 10
117. 1835 -- May 14, Collapse, Planters’ Hotel, New Orleans, LA -- >10
118. 1867 -- Sep 05, Branch River Bridge Fails, Naugatuck Train Fall — Thomaston CT\(^{2688}\) -- 10
119. 1877 -- May 11, Unfinished Court-House walls fail, killing workers, Rockford, IL -- 10
120. 1888 -- Jul 12, Fat Nancy Trestle Failure, Train Wreck — Orange Court House VA\(^{2689}\) --9-10
121. 1890 -- Feb 02, Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR\(^{2690}\) -- 9-10
122. 1891 -- Dec 04, Wall falls, previously fire-damaged Shepard building, St. Paul, MN— ~10
123. 1903 -- Oct 19, Ropes Break, Wabash Railroad Bridge Construction, Pittsburgh, PA -- 10
124. 1906 -- Mar 26, Bridge Fails Under Train, Drownings, near Natrona, WY\(^{2691}\) -- 10
125. 1906 -- Nov 09, Building Collapse, Bixby Hotel, Long Beach, CA -- 10
126. 1911 -- June 30, Collapse of Pumping Station Roof, Buffalo, NY -- 9-10
127. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron OH\(^{2692}\) 9-10
128. 1929 -- July 18, Flash Flood, Bridge Fails, Train Wreck, Stratton, CO\(^{2693}\) -- 10
129. 1937 -- Feb 17, Construction scaffolding collapse, Golden Gate Bridge, San Fran., CA-- 10
130. 1956 -- Oct 03, Building Collapse (under const.), Consumers Power Co., Jackson, MI -- 10
131. 1972 -- Nov 07, Sidney Lanier Bridge Span Collapse, Freighter Hit, Brunswick GA -- 10
132. 1987 -- Apr 5, Bridge Collapse, Schoharie Crk., NY State Thruway, Amsterdam NY\(^{2694}\) -- 10

**Other:**

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
1979 -- Aug 13, construction failure/roof collapse, Rosemont Horizon Arena, Chicago, IL -- 5
1971 -- Jan 25, Construction Failure, 16-Story Apartment Bldg., Boston, MA -- 4
1983 -- June 28, eastbound Mianus River bridge span collapse, I-95, Greenwich, CT -- 3

\(^{2686}\) Cross-listed in Rail as well as Flash Flooding.
\(^{2687}\) Cross-listed in Rail.
\(^{2688}\) Cross-listed in Rail.
\(^{2689}\) Cross-listed in Rail.
\(^{2690}\) Cross-listed in Flooding and in Rail.
\(^{2691}\) Cross-listed in Rail and in Flood.
\(^{2692}\) Cross-listed in Explosions -- construction-site dynamite blast - caused ill-constructed structure next-door to collapse.
\(^{2693}\) Cross-listed in Flooding and under Rail.
\(^{2694}\) Cross-listed in Flooding.
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, RI 2695-18
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 Forge 2696 100-120
6. 1855 -- Nov 01, Bridge Failure Under Excursion Train, Gasconade, MO 2697 --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 2698 -- 41
9. 1860 -- Jan 10, Building Cave-in & Fire, Pemberton Cotton Mills, Lawrence, MA 2699 88-200
10. 1860 -- Mar 01, Building Wall Failure, St. Francis Xavier Church, Cincinnati, OH -- 13
11. 1862 -- June 4/5, Great Flood of ’62, Flooding & Dam Failures, Lehigh River, PA 2700 -- ~150
12. 1864 -- Jul 20, Structural Collapse, Blockley Almshouse and Insane Asylum, Philly --16-18
13. 1865 -- Feb 4-5, Bridge fails, train falls into Lee’s Creek, burns, ~Leesburg, OH 2701 --11-12
14. 1866 -- Sep 14, Bridge Collapse, Johnstown, PA -- 13
15. 1867 -- Sep 05, Branch River Bridge Fails, Naugatuck Train Fall ~Thomaston CT 2702 -- 10
16. 1869 -- Jan 31, Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT 2703 --11-13
17. 1870 -- Apr 29, Court House Gallery Collapse, Richmond, VA -- ~60
18. 1871 -- July 03, Bridge Fails under Train, Harpeth River, near Nashville, TN 2704 -- 15
20. 1873 -- Apr 19, Train Derailment, Washed-out Bridge, Richmond Switch, RI 2705 -- 11
21. 1873 -- May 4, Truesdell Bridge Collapse, Pedestrians fall, Rock River, Dixon IL -- 56
22. 1874 -- Feb 13, 3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA -- 8-12
23. 1874 -- May 16, Mill River Reservoir Dam Failure, Williamsburg, MA 2706 --139-200
24. 1874 -- June 23, Floor Failure, Festival, Central Baptist Church, Syracuse, NY -- 14
25. 1876 -- Feb 05, Gallery Fails, Robinson’s Opera House, Cincinnati, OH -- 12
26. 1876 -- Mar 6, Bridge Fails under Train, Valley Div., B&O, Shenandoah Co., VA 2707 -- 15
27. 1876 -- July 4, Storm, Flash Flood, Dam Failure, Rockdale, IA 2708 --41-42
28. 1876 -- Dec 29, Bridge Collapse Under Train, Ashtabula, OH 2709 -- 100

Cross-listed in Flooding.
Cross-listed in Flooding. Noted here in that most of the fatalities were of people in structures which failed.
Cross-listed in Structural Failures – Bridges/Trestles.
Cross-listed in Rail
Cross-listed in Fire.
Cross-listed in Flooding.
Cross-listed in Rail.
Cross-listed in Rail.
Cross-listed in Flooding.
Cross-listed in Rail.
Cross-listed in Rail as well as Flash Flooding
Cross-listed in Flooding.
Cross-listed under Rail.
Cross-listed in Flooding.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
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<tr>
<td>1877</td>
<td>May 11</td>
<td>Unfinished Court-House walls fail, killing workers</td>
<td>Rockford, IL</td>
<td>10</td>
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<tr>
<td>1880</td>
<td>July 21</td>
<td>Tunnel Failure (Blowout), Hudson &amp; Manhattan (Hudson Riv), NY</td>
<td>New York, NY</td>
<td>21</td>
</tr>
<tr>
<td>1883</td>
<td>Feb 20</td>
<td>Fire Evacuation, Railing Breaks, Fall &amp; Suffocation, School, NYC</td>
<td>Brooklyn, NY</td>
<td>15-16</td>
</tr>
<tr>
<td>1883</td>
<td>Apr 07</td>
<td>Structural Failure and Fire, Ende Hotel, Greenville, TX</td>
<td>Greenville, TX</td>
<td>13-15</td>
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<td>1883</td>
<td>July 23</td>
<td>Pier Fails, North Point, Tivoli Park, Baltimore, MD</td>
<td>Baltimore, MD</td>
<td>63-70</td>
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<td>1885</td>
<td>May 05</td>
<td>Factory Building Collapse, State and Hicks Streets, Brooklyn, NY</td>
<td>Brooklyn, NY</td>
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<tr>
<td>1886</td>
<td>Apr 20</td>
<td>Rain, Mud Pond Reservoir Dam/Mt. Lake Fails/Flood, East Lee, MA</td>
<td>East Lee, MA</td>
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<tr>
<td>1887</td>
<td>Aug 10</td>
<td>Great Chatsworth (IL) Trestle Failure/Train Wreck</td>
<td>Illinois, IL</td>
<td>85</td>
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<tr>
<td>1887</td>
<td>Mar 14</td>
<td>Busey Bridge Collapses Under Train, Roslindale ~Boston, MA</td>
<td>Boston, MA</td>
<td>23-37</td>
</tr>
<tr>
<td>1888</td>
<td>Mar 17</td>
<td>Trestle Collapse, West India Mail Train wrecks, Blackshear GA</td>
<td>Blackshear, GA</td>
<td>25-27</td>
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<tr>
<td>1888</td>
<td>July 12</td>
<td>Fat Nancy Trestle Failure, Train Wreck, ~Orange Court House VA</td>
<td>Orange Court, VA</td>
<td>9-10</td>
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<td>1888</td>
<td>May 31</td>
<td>South Fork Dam Failure, Flood, Fire Johnstown, PA</td>
<td>Pennsylvania, PA</td>
<td>3,311</td>
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<td>1888</td>
<td>Jul 09</td>
<td>Storm, Flooding, Stone Bridge failure, Johnstown, NY</td>
<td>New York, NY</td>
<td>6-15</td>
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<td>1890</td>
<td>Jan 9</td>
<td>Bridge Caisson No. 1, floods, Ohio River, near Jeffersonville, IN</td>
<td>Jeffersonville, IN</td>
<td>14</td>
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<td>1890</td>
<td>Feb 02</td>
<td>Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR</td>
<td>Oregon, OR</td>
<td>9-10</td>
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<tr>
<td>1890</td>
<td>Feb 22</td>
<td>Dam Failure, Walnut Grove, AZ</td>
<td>Arizona, AZ</td>
<td>100</td>
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<td>1891</td>
<td>Aug 22</td>
<td>Building Collapse/Fire, Taylor Bldg., Park Place, New York</td>
<td>New York, NY</td>
<td>60-61</td>
</tr>
<tr>
<td>1891</td>
<td>Dec 04</td>
<td>Wall falls, previously fire-damaged Shepard building, St. Paul, MN</td>
<td>Minnesota, MN</td>
<td>~10</td>
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<tr>
<td>1892</td>
<td>June 5</td>
<td>Dam Failure, Oil Fire, Titusville, Oil City, PA</td>
<td>Pennsylvania, PA</td>
<td>350</td>
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<tr>
<td>1893</td>
<td>Jun 09</td>
<td>Building Collapse, Ford’s Theater, Washington, DC</td>
<td>Washington, DC</td>
<td>22</td>
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<tr>
<td>1893</td>
<td>Aug 31</td>
<td>Bridge Fails, Train Wreck, near Chester, MA</td>
<td>Massachusetts, MA</td>
<td>13</td>
</tr>
<tr>
<td>1893</td>
<td>Dec 15</td>
<td>Crane/Span Fall, Bridge construction, Louisville, KY/Jeffersonville, IN</td>
<td>Kentucky, KY</td>
<td>21</td>
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<tr>
<td>1895</td>
<td>Aug 13</td>
<td>Ireland Building (under construction) Collapse, New York</td>
<td>New York, NY</td>
<td>17</td>
</tr>
<tr>
<td>1896</td>
<td>Feb 06</td>
<td>Train Bridge Failure (repairmen die), Pequabuck Riv., East Bristol CT</td>
<td>Connecticut, CT</td>
<td>2721-11</td>
</tr>
<tr>
<td>1898</td>
<td>Apr 03</td>
<td>Levee Fails, Flash Flood, Shawnetown, IL</td>
<td>Illinois, IL</td>
<td>25-33</td>
</tr>
<tr>
<td>1898</td>
<td>Nov 05</td>
<td>Building Collapse, Wonderland Theater, Detroit, MI</td>
<td>Michigan, MI</td>
<td>15</td>
</tr>
<tr>
<td>1899</td>
<td>Aug 06</td>
<td>Gangplank Fails, Drowning, Mount Desert Ferry ~ Bar Harbor, ME</td>
<td>Bar Harbor, ME</td>
<td>20</td>
</tr>
<tr>
<td>1900</td>
<td>April 7</td>
<td>Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX</td>
<td>Texas, TX</td>
<td>&gt;24</td>
</tr>
</tbody>
</table>

2709 Cross-listed under Rail.
2710 Cross listed in Fire.
2711 Cross-listed under Rail.
2712 Cross-listed in Rail.
2713 Cross listed in Rail.
2714 Cross-listed in Rail.
2715 Cross-listed in Flooding.
2716 Cross-listed in Flooding.
2717 Cross-listed in Flooding and in Rail.
2718 Cross-listed in Flooding.
2719 Cross-listed in Fire, Structural, and in Flooding.
2720 Cross-listed in Rail.
2721 Cross-listed in Rail.
2722 Cross-listed in Structural Failures – Dams, Dikes and Levees.
2723 Cross-listed in Structural Failure -- Dams, Dikes and Levees.
56. 1900 -- Jun 23, Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA \(^2\) -- 37
57. 1900 -- Nov 29, Roof Collapse, San Francisco Pacific Glass Works, San Francisco, CA \(^1\) -- 20
58. 1901 -- June 26, Trestle Fails under Train, weakened by recent rain, near Peru, IN \(^2\) -- 16
59. 1901 -- July 11, Nickel Plate RR Bridge Collapse, Train Crash, Springfield, PA \(^2\) -- 11
60. 1903 -- Jul 05, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA -- 20-23
61. 1903 -- Aug 08, Bleacher Collapses, National Baseball Park, Philadelphia, PA -- 12
62. 1903 -- Oct 19, Ropes Break, Wabash Railroad Bridge Construction, Pittsburgh, PA -- 10
63. 1904 -- Aug 07, Bridge/Trestle Fails Under Train, Near Pueblo, CO \(^2\) -- 116
64. 1904 -- Sep 23, School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH -- 9
65. 1905 -- Feb 27, Floor Collapse/Fire Scare, Trampling, Church Service, Brooklyn, NY \(^2\) -- 11
66. 1905 -- Aug 08, Collapse, John G. Myers Dry Goods Store, Pearl St., Albany, NY -- 13
67. 1906 -- March-April, Flooding, Miss. River, IL, TN, MS, KY, AR, MO, LA \(^2\) -- 245
68. 1906 -- Jun 23, Pier/Dock Collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
69. 1906 -- Nov 09, Building Collapse, Bixby Hotel, Long Beach, CA -- 10
70. 1908 -- Aug 25, Bridge fails with Pedestrians watching flood water, Camden, SC \(^2\) -- 19

**STRUCTURAL FAILURES – Master List – CHRONOLOGICAL (continued)**

72. 1911 -- Jun 30, Collapse of Pumping Station Roof, Buffalo, NY -- 9-10
73. 1911 -- Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA \(^2\) -- 78-149
74. 1912 -- March-April, Flooding, Miss. River, IL, TN, MS, KY, AR, MO, LA \(^2\) -- 245
75. 1912 -- June 23, Pier/Dock Collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
76. 1913 -- Late April, flooding from Ohio and Mississippi River flooding, levee break \(^2\) -- 11
77. 1913 -- May 24, Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach, CA -- 40-47
78. 1913 -- June 30, walkway/gangway failure, drownings, Merrimac River, Lawrence, MA -- 11
79. 1913 -- Dec 1-5, Floods/Levee Failures, Brazos, Other Valleys, cent., east, coast TX -- 187
80. 1915 -- Oct 16, Flash Flooding, Bridge Fails, Train Derails, Randolph, KS \(^2\) -- 11
81. 1916 -- Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure \(^2\) -- 22-60
82. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH \(^2\) -- 9-10
84. 1918 -- June 29, Structural Failure, Ruff Building, Sioux City, IO -- 39

\(^{2724}\) Cross-listed in Rail and Flooding.
\(^{2725}\) Cross-listed in Structural Failure - Trestle Failure
\(^{2726}\) Cross-listed in Rail
\(^{2727}\) Cross-listed under Rail.
\(^{2728}\) Cross-listed in Violence – Crushing, Trampling, Suffocation
\(^{2729}\) Cross-listed in Rail and in Flood.
\(^{2730}\) Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.
\(^{2731}\) Cross-listed in Flooding.
\(^{2732}\) Cross-listed in Flooding.
\(^{2733}\) Cross-listed in Explosions -- construction-site dynamite blast caused weak structure next-door to collapse.
\(^{2734}\) Cross-listed in Structural Failures – Dams, Dikes and Levees.
85. 1919 -- Jan 15, Molasses Tank Collapse, US Industrial Alcohol Co., Boston, MA -- 21

Structural Failures - Master List - Chronological (continued)

86. 1921 -- Jun 02, Arkansas River Levee Failures, Pueblo County, CO\textsuperscript{2738} -- 120
87. 1921 -- Sep 10, Third Street Foot-Bridge Collapses, Chester River, Chester, PA -- 24
88. 1922 -- Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC\textsuperscript{2739} -- 98
89. 1922 -- Sep 11, Truck falls through wood bridge, Satilla Riv., 20 mi. ~Homerville, GA\textsuperscript{2740,18} -- 120
90. 1923 -- Mar 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT --10-11
91. 1923 -- Sep 27, Bridge Washout/Train Derailment, near Lockett, WY -- 31
92. 1924 -- Dec 24, Mathieson Alkali Works “Muck” dam fails, Palmertown/Saltville, VA-- 19
93. 1925 -- July 4, 2\textsuperscript{nd} floor collapse into basement, Pickwick dance Club, Boston, MA --44-45
94. 1927 -- Late March-July, flooding, levee breaks upper and esp. lower MS River,\textsuperscript{2741-246-500}
95. 1927 -- Nov 2-4, New England Flooding, Sharon Dam Fails, Winooksi River, VT\textsuperscript{2742} -- 200
96. 1928 -- Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA\textsuperscript{2743,370-431} -- 370-431
97. 1929 -- July 18, Flash Flood, Bridge Fails, Train Wreck, Stratton, CO\textsuperscript{2744} -- 10
98. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM\textsuperscript{2745} -- 11
99. 1937 -- Feb 17, Construction scaffolding collapse, Golden Gate Bridge, San Fran., CA-- 10
100. 1937 -- Aug 11, Heavy Rain, 3 Tenement Bldgs. Collapse, New Brighton, S.I., NY\textsuperscript{2746} -- 19
101. 1938 -- Jun 19, Flash Flood, Bridge Fails, Train Crash, Miles City, MT\textsuperscript{2747} -- 47

102. 1941 -- Dec 04, Bridge Construction Collapse, Charter Oak Bridge, Hartford, CT -- 16
103. 1946 -- Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC\textsuperscript{2748,37} -- 37
104. 1948 -- May 22-June 11, Flooding/dike failures, Pacific NW, esp. Vanport, OR\textsuperscript{2749} -- ≥16

105. 1955 -- Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA\textsuperscript{2750} -- 76
106. 1956 -- Oct 03, Building Collapse (under const.), Consumers Power Co., Jackson, MI-- 10

107. 1965 -- Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA\textsuperscript{2751} -- ~50

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\textsuperscript{2738} Cross-listed in Floods.
\textsuperscript{2739} Cross-listed in Winter Storms.
\textsuperscript{2740} Cross-listed in Road and Highway.
\textsuperscript{2741} Cross-listed in Floods; some of the flooding fatalities were attributable to the Sharon Dam failure.
\textsuperscript{2742} Cross-listed in Flooding and under Rail.
\textsuperscript{2743} Cross-listed in Floods.
\textsuperscript{2744} This is a 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.
108. 1967 -- Dec 15, Silver Bridge Collapse, OH River, Point Pleasant WV & Gallipolis, OH-46

109. 1971 -- Jan 25, Construction Failure, 16-Story Apartment Bldg., Boston, MA -- 4

110. 1972 -- Feb 26, Dam Failure, Buffalo Creek, WV2752 -- 126

111. 1972 -- Nov 07, Sidney Lanier Bridge Span Collapse, Freighter Hit, Brunswick GA -- 10

112. 1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island NY2754 --40

113. 1972 -- Jun 09, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD2753 --236-238

114. 1972 -- Nov 09, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD2753 --236-238

115. 1977 -- July 20, Dam Failures, Flash Floods, Johnstown & Tanneryville, PA2756 -- 84

116. 1977 -- Nov 06, Dam Failure and Flash Flood, Kelly Barnes Dam, Toccoa, GA2757 -- 39

117. 1978 -- Apr 27, Scaffold Collapses, Monongahela Power Co., Willow Island, WV -- 51

118. 1980 -- May 9, Summit Venture hits Sunshine Skyway Bridge, Collapse, Tampa FL2758 -- 35

119. 1981 -- March 27, Construction Failure, Harbour Cay Condominium, Cocoa Beach, FL--11

120. 1981 -- July 17, Hyatt Regency Walkway Collapse, Kansas City, Missouri -- 114

121. 1982 -- Apr 15, Construction Failure, Indiana Highway Ramp, East Chicago, IL -- 13

122. 1986 -- Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV2759 -- 14

123. 1987 -- Apr 5, Bridge Collapse, Schoharie Crk., NY State Thruway, Amsterdam NY2760 --10


125. 1988 -- July 7, La Tienda Amigo Dept. Store Collapse, heavy rain, Brownsville, TX-- 14

126. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, Americus, GA2761 -->15

127. 1999 -- Nov 17/18, Texas A&M, College Station, Bonfire Stack Disaster -- 12

128. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM2762 -- 12

129. 2002 -- May 26, Barge hits Bridge, Span Collapse, Webbers Falls, OK2763 -- 14

130. 2003 -- June 29, Apartment Building Balcony Collapse, Lincoln Park, Chicago, IL -- 13

131. 2005 -- Aug 29, Levee Failure due to Hurricane Katrina, New Orleans, LA --1,253

2752 Cross-listed in Flooding.
2753 Cross-listed in Flooding.
2754 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.
2755 Cross-listed in Flooding.
2756 Cross-listed in Flooding.
2757 Cross-listed in Flooding - Flash Floods.
2758 Cross-listed in Maritime and in Road/Highway.
2759 Cross-listed in Flooding.
2760 Cross-listed in Flooding.
2761 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.
2762 Cross-listed in Explosions and in Fires-Structural.
2763 Cross-listed in Maritime
132. 2007 -- Aug 01, Interstate 35W Bridge Collapse, Minneapolis, MN -- 13
### Structural Failures Subset -- BRIDGE/Trestle (Rail) Collapse/Failures – By Mortality

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
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<tbody>
<tr>
<td>1904</td>
<td>Aug 7, 1904</td>
<td>Bridge/Trestle Fails Under Train, Near Eden/Pueblo, CO</td>
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<td>83-116</td>
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<tr>
<td>1876</td>
<td>Dec 29, 1876</td>
<td>Bridge Collapse Under Train, Ashtabula, OH</td>
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<tr>
<td>1887</td>
<td>Aug 10, 1887</td>
<td>Great Chatsworth (IL) Trestle Failure/Train Wreck</td>
<td></td>
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<tr>
<td>1938</td>
<td>June 19, 1938</td>
<td>Flash Flood, Bridge Fails, Train Crash, Miles City, MT</td>
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<tr>
<td>1859</td>
<td>June 28, 1859</td>
<td>Springbrook Bridge Fails Under Train, Mishawaka, IN</td>
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<tr>
<td>1887</td>
<td>Mar 14, 1887</td>
<td>Busey Bridge Collapses Under Train, Roslindale ~Boston, MA</td>
<td></td>
<td>23-37</td>
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<tr>
<td>1900</td>
<td>Jun 23, 1900</td>
<td>Cloudburst, Trestle Washout/Train Wreck/Fire, ~McDonough GA</td>
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<td>37</td>
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<tr>
<td>1855</td>
<td>Nov 01, 1855</td>
<td>Bridge Failure Under Excursion Train, Gasconade, MO</td>
<td></td>
<td>20-31</td>
</tr>
<tr>
<td>1923</td>
<td>Sep 27, 1923</td>
<td>Bridge Washout/Train Derailment, near Lockett, WY</td>
<td></td>
<td>31</td>
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<tr>
<td>1888</td>
<td>Mar 17, 1888</td>
<td>Trestle Collapse, West India Mail Train wrecks, Blackshear GA</td>
<td></td>
<td>25-27</td>
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<tr>
<td>1901</td>
<td>June 26, 1901</td>
<td>Trestle Fails under Train, weakened by recent rain, near Peru, IN</td>
<td></td>
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<tr>
<td>1871</td>
<td>July 03, 1871</td>
<td>Bridge Fails under Train, Harpeth River, near Nashville, TN</td>
<td></td>
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<tr>
<td>1876</td>
<td>Mar 6, 1876</td>
<td>Bridge Fails under Train, Valley Div., B&amp;O, Shenandoah Co., VA</td>
<td></td>
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<tr>
<td>1866</td>
<td>Sep 14, 1866</td>
<td>Rail Bridge Collapse, Pedestrians Fall, Johnstown, PA</td>
<td></td>
<td>13</td>
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<tr>
<td>1893</td>
<td>Aug 31, 1893</td>
<td>Bridge Fails, Train Wreck, near Chester, MA</td>
<td></td>
<td>13</td>
</tr>
<tr>
<td>1865</td>
<td>Feb 4-5, 1865</td>
<td>Bridge fails, train falls into Lee’s Creek, burns, ~Leesburg, OH</td>
<td></td>
<td>11-12</td>
</tr>
<tr>
<td>1873</td>
<td>Apr 19, 1873</td>
<td>Train Derailment, Washed-out Bridge, Richmond Switch, RI</td>
<td></td>
<td>11</td>
</tr>
<tr>
<td>1896</td>
<td>Feb 06, 1896</td>
<td>Train Bridge Failure (repairmen die), Pequabuck Riv., East Bristol CT</td>
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<tr>
<td>1901</td>
<td>July 11, 1901</td>
<td>Nickel Plate RR Bridge Collapse, Train Crash, Springfield, PA</td>
<td></td>
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<tr>
<td>1915</td>
<td>Oct 16, 1915</td>
<td>Flash Flooding, Bridge Fails, Train Derails, Randolph, KS</td>
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<tr>
<td>1933</td>
<td>Aug 29, 1933</td>
<td>Storm, Bridge Weakened, Train Wreck, Tucumcari, NM</td>
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<tr>
<td>1867</td>
<td>Sep 05, 1867</td>
<td>Branch River Bridge Fails, Naugatuck Train Fall ~Thomaston CT</td>
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<tr>
<td>1888</td>
<td>July 12, 1888</td>
<td>Fat Nancy Trestle Failure, Train Wreck, ~Orange Court House VA</td>
<td></td>
<td>9-10</td>
</tr>
<tr>
<td>1890</td>
<td>Feb 02, 1890</td>
<td>Flooding, Trestle fails, Train cars fall, near Cascade Locks, OR</td>
<td></td>
<td>9-10</td>
</tr>
<tr>
<td>1906</td>
<td>Mar 26, 1906</td>
<td>Bridge Fails Under Train, Drownings, near Natrona, WY</td>
<td></td>
<td>10</td>
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</tbody>
</table>

2764 Cross-listed under Rail.  
2765 Cross-listed under Rail.  
2766 Cross-listed under Rail.  
2767 Cross-listed under Flash Floods and Structural Failures (Bridge/Trestles).  
2768 Cross-listed under Rail.  
2769 Cross-listed under Rail.  
2770 Cross-listed under Rail and Flooding.  
2771 Cross-listed in Structural Failures – Bridges/Trestles.  
2772 Cross listed under Rail.  
2773 Cross listed under Rail.  
2774 Cross-listed under Rail.  
2775 Cross-listed under Rail.  
2776 Cross-listed under Rail.  
2777 Cross-listed in Rail.  
2778 Cross-listed under Rail as well as Flash Flooding  
2779 Cross-listed under Rail.  
2780 Cross-listed under Rail.  
2781 Crosslisted under Rail as well as Flash Flooding.  
2782 Cross-listed under Rail.  
2783 Crosslisted under Rail.  
2784 Cross-listed under Rail.  
2785 Cross-listed in Flooding and in Rail.
26. 1929 -- July 18, Flash Flood, Bridge Down, Train Wreck, Stratton, CO\textsuperscript{2787} -- 10

Other:

1989 -- Apr 01, Hatchie River Bridge Collapse, near Covington, TN -- 8

\textsuperscript{2786} Cross-listed under Rail and under Flood.
\textsuperscript{2787} Cross-listed under Flood and under Rail
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Dates</th>
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<tbody>
<tr>
<td>1855</td>
<td>Bridge Failure Under Excursion Train</td>
<td>Gasconade, MO</td>
<td>Nov 01</td>
</tr>
<tr>
<td>1859</td>
<td>Springbrook Bridge Fails Under Train</td>
<td>Mishawaka, IN</td>
<td>June 28</td>
</tr>
<tr>
<td>1865</td>
<td>Bridge fails, train falls into Lee’s Creek</td>
<td>Leesburg, OH</td>
<td>Feb 4-5</td>
</tr>
<tr>
<td>1866</td>
<td>Rail Bridge Collapse, Pedestrians Fall</td>
<td>Johnstown, PA</td>
<td>Sep 14</td>
</tr>
<tr>
<td>1867</td>
<td>Branch River Bridge Fails</td>
<td>Thomaston, CT</td>
<td>Sep 05</td>
</tr>
<tr>
<td>1871</td>
<td>Bridge fails, train falls into Lee’s Creek</td>
<td>Leesburg, OH</td>
<td>Feb 4-5</td>
</tr>
<tr>
<td>1873</td>
<td>Rail Bridge Collapse</td>
<td>Richmond Switch, RI</td>
<td>Apr 19</td>
</tr>
<tr>
<td>1876</td>
<td>Bridge Fails under Train</td>
<td>Thropton, CT</td>
<td>Mar 6</td>
</tr>
<tr>
<td>1876</td>
<td>Rail Bridge Collapse</td>
<td>Ashtabula, OH</td>
<td>Aug 5</td>
</tr>
<tr>
<td>1877</td>
<td>Great Chatsworth (IL) Trestle Failure</td>
<td>Chicago, IL</td>
<td>Aug 10</td>
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<tr>
<td>1878</td>
<td>Trestle Collapse</td>
<td>Blackshear, GA</td>
<td>Mar 17</td>
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<td>1879</td>
<td>Fat Nancy Trestle Failure</td>
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<td>1880</td>
<td>Flooding, Trestle fails, Train cars fall</td>
<td>Cascade Locks, OR</td>
<td>Aug 30</td>
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<td>1890</td>
<td>Flash Flooding, Bridge Fails</td>
<td>Pequabuck River, CT</td>
<td>Sep 27</td>
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<td>1891</td>
<td>Railroad Bridge Failure</td>
<td>Stratton, CO</td>
<td>Jul 18</td>
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<td>1892</td>
<td>Railroad Bridge Failure</td>
<td>Randolph, KS</td>
<td>Oct 16</td>
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<td>1893</td>
<td>Railroad Bridge Failure</td>
<td>Stratton, CO</td>
<td>Jul 18</td>
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<td>1894</td>
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<td>Jul 18</td>
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<td>1903</td>
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<td>1904</td>
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<td>1905</td>
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<td>1917</td>
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<td>1918</td>
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</table>

2788 Cross-listed in Structural Failures – Bridges/Trestles.
2789 Cross-listed under Rail.
2790 Cross-listed in Rail.
2791 Cross-listed under Rail.
2792 Cross-listed under Rail.
2793 Cross-listed under Rail as well as Flash Flooding.
2794 Cross-listed under Rail.
2795 Cross-listed under Rail.
2796 Cross-listed under Rail.
2797 Cross-listed under Rail.
2798 Cross listed under Rail.
2799 Cross-listed under Rail.
2800 Cross-listed in Flooding and in Rail.
2801 Cross-listed under Rail.
2802 Cross-listed under Rail.
2803 Cross-listed under Rail and Flooding.
2804 Cross-listed under Rail.
2805 Cross-listed under Rail.
2806 Cross-listed under Rail.
2807 Cross-listed under Rail and under Flood.
2808 Cross-listed under Flash Floods and Structural Failures (Bridge/Trestles).
2809 Cross-listed under Rail as well as Flash Flooding.
26. 1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck, Tucumcari, NM  

Other:

1989 -- Apr 01, Hatchie River Bridge Collapse, near Covington, TN
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
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<tbody>
<tr>
<td>1873</td>
<td>May 4, Truesdell Bridge Collapse</td>
<td>Rock River, Dixon IL</td>
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<td>1967</td>
<td>Dec 15, Silver Bridge Collapse</td>
<td>Pt. Pleasant WV &amp; Gallipolis OH</td>
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<td>1921</td>
<td>Sep 10, Third Street Foot-Bridge Collapses</td>
<td>Chester River, Chester, PA</td>
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<td>1840</td>
<td>Aug 22, State Street Canal Basin Drawbridge Fails</td>
<td>Albany, NY</td>
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<tr>
<td>1908</td>
<td>Aug 25, Bridge fails with Pedestrians watching flood water</td>
<td>Camden, SC</td>
<td>19</td>
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<tr>
<td>1922</td>
<td>Sep 11, Truck falls through wood bridge</td>
<td>Satilla Riv., 20 mi. ~Homerville, GA</td>
<td>18</td>
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<td>1941</td>
<td>Dec 4, Bridge Construction Collapse</td>
<td>Charter Oak Bridge, Hartford, CT</td>
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<tr>
<td>1889</td>
<td>July 09, Storm, Flooding</td>
<td>Stone Bridge failure, Johnstown, NY</td>
<td>6-15</td>
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<tr>
<td>2007</td>
<td>Aug 1, Interstate 35W Bridge Collapse</td>
<td>Minneapolis, MN</td>
<td>13</td>
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<tr>
<td>1987</td>
<td>Apr 5, Flooding/Schoharie Cr. bridge fails/vehicles fall</td>
<td>I-90 ~Fort Hunter, NY</td>
<td>10</td>
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<tr>
<td>1989</td>
<td>Apr 01, Hatchie River Bridge Collapse</td>
<td>near Covington, TN</td>
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<tr>
<td>1983</td>
<td>June 28, eastbound Mianus River bridge span collapse</td>
<td>I-95, Greenwich, CT</td>
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</tbody>
</table>

**Other:**
- 1989 -- Apr 01, Hatchie River Bridge Collapse, 5 vehicles fall, near Covington, TN
- 1983 -- June 28, eastbound Mianus River bridge span collapse, I-95, Greenwich, CT

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2812 Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.
2813 Cross-listed in Road and Highway.
2814 Cross-listed in Flooding.
2815 Cross-listed in Road/Highway.
2816 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, which is 37 miles NW of state capital of Albany.
2817 Cross-listed in Road/Highway.
2818 Cross-listed in Flooding.
2819 Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.
2820 Cross-listed in Road and Highway.
2821 Cross-listed in Road/Highway.
2822 Cross-listed in Road/Highway.
<table>
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<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
</tr>
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<tbody>
<tr>
<td>1860</td>
<td>Jan 10, Building Cave-in &amp; Fire, Pemberton Cotton Mills, Lawrence, MA</td>
<td>88-200</td>
<td></td>
</tr>
<tr>
<td>1981</td>
<td>July 17, Hyatt Regency Walkway Collapse, Kansas City, MO</td>
<td>-- 114</td>
<td></td>
</tr>
<tr>
<td>1922</td>
<td>Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC</td>
<td>-- 98</td>
<td></td>
</tr>
<tr>
<td>1891</td>
<td>Aug 22, Building Collapse/Fire, Taylor Building, Park Place, New York, NY</td>
<td>--60-61</td>
<td></td>
</tr>
<tr>
<td>1870</td>
<td>Apr 29, Court House Gallery Collapse, Richmond, VA</td>
<td>-- ~60</td>
<td></td>
</tr>
<tr>
<td>1913</td>
<td>May 24, Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach CA</td>
<td>-- 40-47</td>
<td></td>
</tr>
<tr>
<td>1925</td>
<td>July 4, 2nd floor collapse into basement, Pickwick dance Club, Boston, MA</td>
<td>-- 44-45</td>
<td></td>
</tr>
<tr>
<td>1918</td>
<td>Jun 29, Overloaded floors, Ruff Building Collapse, Sioux City, IA</td>
<td>-- 39</td>
<td></td>
</tr>
<tr>
<td>1946</td>
<td>Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC</td>
<td>-- 37</td>
<td></td>
</tr>
<tr>
<td>1893</td>
<td>Jun 09, Building Collapse, Ford’s Theater, Washington, DC</td>
<td>-- 22</td>
<td></td>
</tr>
<tr>
<td>1900</td>
<td>Nov 29, Roof Collapse, San Francisco Pacific Glass Works, San Francisco, CA</td>
<td>-- 20</td>
<td></td>
</tr>
<tr>
<td>1864</td>
<td>Jul 20, Structural Collapse, Blockley Almshouse and Insane Asylum, Philly</td>
<td>--16-18</td>
<td></td>
</tr>
<tr>
<td>1883</td>
<td>Feb 20, Fire Evacuation, Railing Breaks, Fall &amp; Suffocation, School, NYC</td>
<td>-- 15-16</td>
<td></td>
</tr>
<tr>
<td>1872</td>
<td>Dec 25, Memorial Bap. Church XMAS Svc. Floor Collapse, Newberry, PA</td>
<td>-- 13-15</td>
<td></td>
</tr>
<tr>
<td>1883</td>
<td>Apr 07, Structural Failure and Fire, Ende Hotel, Greenville, TX</td>
<td>-- 13-15</td>
<td></td>
</tr>
<tr>
<td>1885</td>
<td>May 05, Factory Building Collapse, State and Hicks Streets, Brooklyn, NY</td>
<td>-- 15</td>
<td></td>
</tr>
<tr>
<td>1898</td>
<td>Nov 05, Building Collapse, Wonderland Theater, Detroit, MI</td>
<td>-- 15</td>
<td></td>
</tr>
<tr>
<td>1874</td>
<td>June 24, Floor Failure, Festival, Central Baptist Church, Syracuse, NY</td>
<td>-- 14</td>
<td></td>
</tr>
<tr>
<td>1906</td>
<td>July 23, Collapse, Amsden Building, South Framingham, MA</td>
<td>-- ~12</td>
<td></td>
</tr>
<tr>
<td>1905</td>
<td>Feb 27, Floor Collapse, Fire Scare, Trampling, Church Service, Brooklyn, NY</td>
<td>-- ~12</td>
<td></td>
</tr>
<tr>
<td>1923</td>
<td>Mar 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT</td>
<td>-- 10-11</td>
<td></td>
</tr>
<tr>
<td>1832</td>
<td>May 04, Building Collapse, Phelps &amp; Peck, Cliff &amp; Fulton Streets, NYC</td>
<td>-- 10</td>
<td></td>
</tr>
<tr>
<td>1835</td>
<td>May 14, Collapse, Planters’ Hotel, New Orleans, LA</td>
<td>-- ≥10</td>
<td></td>
</tr>
<tr>
<td>1891</td>
<td>Dec 04, Wall falls, previously fire-damaged Shepard building, St. Paul, MN</td>
<td>-- ~10</td>
<td></td>
</tr>
<tr>
<td>1906</td>
<td>Nov 09, Building Collapse, Bixby Hotel, Long Beach, CA</td>
<td>-- 10</td>
<td></td>
</tr>
</tbody>
</table>

**Other:**
1904 -- Sep 23, School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH -- 9

---

2823 Cross-listed in Fire.
2824 Cross-listed in Winter Storms.
2825 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-feet thick brick wall to fall onto and crush the tenement.
2826 Cross listed in Fire.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1832</td>
<td>May 04</td>
<td>Building Collapse, Phelps &amp; Peck, Cliff &amp; Fulton Streets, NYC</td>
<td>NYC</td>
<td>10</td>
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<tr>
<td>1835</td>
<td>May 14</td>
<td>Collapse, Planters’ Hotel, New Orleans, LA</td>
<td>New Orleans, LA</td>
<td>&gt;10</td>
</tr>
<tr>
<td>1860</td>
<td>Jan 10</td>
<td>Building Cave-in &amp; Fire, Pemberton Cotton Mills, Lawrence, MA</td>
<td>Lawrence, MA</td>
<td>88-200</td>
</tr>
<tr>
<td>1860</td>
<td>Mar 01</td>
<td>Building Wall Failure, St. Francis Xavier Church, Cincinnati, OH</td>
<td>Cincinnati, OH</td>
<td>13</td>
</tr>
<tr>
<td>1864</td>
<td>Jul 20</td>
<td>Structural Collapse, Blockley Almshouse and Insane Asylum, Philly</td>
<td>Philadelphia, PA</td>
<td>16-18</td>
</tr>
<tr>
<td>1870</td>
<td>Apr 29</td>
<td>Court House Gallery Collapse, Richmond, VA</td>
<td>Richmond, VA</td>
<td>~60</td>
</tr>
<tr>
<td>1874</td>
<td>Feb 13</td>
<td>3rd Story Ice House Walls Fail, Brewery Collapse, Philadelphia, PA</td>
<td>Philadelphia, PA</td>
<td>8-12</td>
</tr>
<tr>
<td>1874</td>
<td>Jun 24</td>
<td>Floor Failure, Festival, Central Baptist Church, Syracuse, NY</td>
<td>Syracuse, NY</td>
<td>14</td>
</tr>
<tr>
<td>1876</td>
<td>Feb 05</td>
<td>Gallery Fails, Robinson’s Opera House, Cincinnati, OH</td>
<td>Cincinnati, OH</td>
<td>12</td>
</tr>
<tr>
<td>1883</td>
<td>Feb 20</td>
<td>Fire Evacuation, Railing Breaks, Fall &amp; Suffocation, School, NYC</td>
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<td>Building Collapse/Fire, Taylor Building, Park Place, New York, NY</td>
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<td>Jun 09</td>
<td>Building Collapse, Ford’s Theater, Washington, DC</td>
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<td>1898</td>
<td>Nov 05</td>
<td>Building Collapse, Wonderland Theater, Detroit, MI</td>
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<td>Nov 29</td>
<td>Roof Collapse, San Francisco Pacific Glass Works, San Francisco, CA</td>
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<td>1905</td>
<td>Feb 27</td>
<td>Floor Collapse, Fire Scare, Trampling, Church Service, Brooklyn, NY</td>
<td>Brooklyn, NY</td>
<td>11</td>
</tr>
<tr>
<td>1905</td>
<td>Aug 08</td>
<td>Collapse, John G. Myers Dry Goods Store, Pearl St., Albany, NY</td>
<td>Albany, NY</td>
<td>13</td>
</tr>
<tr>
<td>1906</td>
<td>July 23</td>
<td>Collapse, Amsden Building, South Framingham, MA</td>
<td>Framingham, MA</td>
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<td>1906</td>
<td>Nov 09</td>
<td>Building Collapse, Bixby Hotel, Long Beach, CA</td>
<td>Long Beach, CA</td>
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<tr>
<td>1913</td>
<td>May 24</td>
<td>Auditorium floor collapse, Pine Ave. Municipal Pier, Long Beach CA</td>
<td>Long Beach, CA</td>
<td>40-47</td>
</tr>
<tr>
<td>1918</td>
<td>Jun 29</td>
<td>Overloaded floors, Ruff Building Collapse, Sioux City, IA</td>
<td>Sioux City, IA</td>
<td>39</td>
</tr>
<tr>
<td>1922</td>
<td>Jan 28</td>
<td>Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC</td>
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<td>1923</td>
<td>Mar 31</td>
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<td>1925</td>
<td>July 4</td>
<td>2nd floor collapse into basement, Pickwick dance Club, Boston, MA</td>
<td>Boston, MA</td>
<td>44-45</td>
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<td>1946</td>
<td>Dec 12</td>
<td>Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC</td>
<td>NYC</td>
<td>37</td>
</tr>
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2827 Cross-listed in Fire.
2828 Cross listed in Fire.
2829 Cross-listed in Winter Storms.
2830 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-feet thick brick wall to fall onto and crush the tenement.
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<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>30.</td>
<td>1981 -- July 17</td>
<td>Hyatt Regency Walkway Collapse, Kansas City, MO</td>
<td>-- 114</td>
<td></td>
</tr>
<tr>
<td>31.</td>
<td>1988 -- July 7</td>
<td>La Tienda Amigo Dept. Store Collapse, heavy rain, Brownsville, TX</td>
<td>-- 14</td>
<td></td>
</tr>
<tr>
<td>32.</td>
<td>2003 -- June 29</td>
<td>Apartment Building Balcony Collapse, Lincoln Park, Chicago, IL</td>
<td>-- 13</td>
<td></td>
</tr>
</tbody>
</table>

**Other:**

<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1904</td>
<td>Sep 23</td>
<td>School Outhouse floor collapses, girls 8-14 drown, Pleasant Ridge, OH</td>
<td>-- 9</td>
<td></td>
</tr>
</tbody>
</table>
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 NY2831-- 40
4. 1880 -- July 21, Tunnel Construction Blowout, Hudson & Manhattan (Hudson Riv) NY-- 21
5. 1893 -- Dec 15, Crane/Span Fall, Bridge construction, Louisville, KY/Jeffersonville, IN-- 21
6. 1864 -- July 20, Structural Collapse, Blockley Almshouse and Insane Asylum, Philly --16-18
7. 1895 -- Aug 13, Construction Collapse, Ireland Building, New York, NY -- 17
8. 1941 -- Dec 04, Bridge Construction Collapse, Charter Oak Bridge, Hartford, CT -- 16
9. 1890 -- Jan 9, Bridge Caisson No. 1, floods, Ohio River, near Jeffersonville, IN -- 14
10. 1973 -- March 2, Construction Collapse, Skyline Plaza Apartmnts., Baileys Crossroads VA-14

12. 1982 -- April 15, Construction Failure, Indiana Highway Ramp, East Chicago, IL -- 13
13. 1981 -- March 27, Construction Failure, Harbour Cay Condominium, Cocoa Beach, FL-- 11
14. 1877 -- May 11, Unfinished Court-House walls fail, killing workers, Rockford IL -- 10
15. 1891 -- Dec 04, Wall falls, previously fire-damaged Shepard building, St. Paul, MN2832-- ~10
16. 1903 -- Oct 19, Ropes Break, Wabash Railroad Bridge Construction, Pittsburgh, PA -- 10
17. 1911 -- June 30, Collapse of Pumping Station Roof, under construction, Buffalo, NY -- 9-10
18. 1916 -- May 15, Dynamite Blast, adjacent site, Crystal Rest. collapses, Akron, OH 2833-- 9-10
19. 1937 -- Feb 17, Construction scaffolding collapse, Golden Gate Bridge, San Fran., CA-- 10
20. 1956 -- Oct 03, Building Collapse (under const.), Consumers Power Co., Jackson, MI-- 10

Other:

1979 -- Aug, Construction Failure, Rosemont Horizon Arena, Chicago, IL -- 5
1971 -- Jan 25, Construction Failure, 16-Story Apartment Bldg., Boston, MA -- 4

2831 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.
2832 Approximately fifteen workmen were working near a wall of building that had burned about two-weeks before.
2833 Cross-listed in Explosions. This was a construction-site dynamite blast, which caused a faultily-constructed structure next-door to collapse.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Fatalities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1889</td>
<td>May 31, South Fork Dam Failure, Flood, Fire, Johnstown, PA*</td>
<td>--3,311</td>
<td></td>
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<tr>
<td>2005</td>
<td>Aug 29, Levee Failure due to Hurricane Katrina, New Orleans, LA</td>
<td>--1,253</td>
<td></td>
</tr>
<tr>
<td>1913</td>
<td>Mar 23-27, Ohio Valley Flooding/dam/levee failures, esp. OH, IN, IL</td>
<td>700-732</td>
<td></td>
</tr>
<tr>
<td>1927</td>
<td>Late March-July, flooding, levee breaks upper and esp. lower MS River*</td>
<td>--246-500</td>
<td></td>
</tr>
<tr>
<td>1928</td>
<td>Mar 12-13, St. Francis Dam Failure/Flood, Santa Clara Riv. valley, CA*</td>
<td>--370-431</td>
<td></td>
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<tr>
<td>1892</td>
<td>June 5, Dam Failure, Oil Fire, Titusville, Oil City, PA</td>
<td>--350</td>
<td></td>
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<tr>
<td>1912</td>
<td>Mar-Apr, Flooding/Levee Failures, MS Riv., IL, TN, MS, KY, AR, MO, LA*</td>
<td>--245</td>
<td></td>
</tr>
<tr>
<td>1972</td>
<td>Jun 09, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD</td>
<td>--236-238</td>
<td></td>
</tr>
<tr>
<td>1874</td>
<td>May 16, Mill River Reservoir Dam Failure, Williamsburg, MA*</td>
<td>--139-200</td>
<td></td>
</tr>
<tr>
<td>1927</td>
<td>Nov 2-4, New England Flooding, Sharon Dam Fails, Winooski River, VT</td>
<td>--200</td>
<td></td>
</tr>
<tr>
<td>1913</td>
<td>Dec 1-5, TX Floods/Levee Failures, Brazos, Other Valleys, Cent., East TX*</td>
<td>--187</td>
<td></td>
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<tr>
<td>1862</td>
<td>June 4/5, Great Flood of ’62, Flooding &amp; Dam Failures, Lehigh River, PA*</td>
<td>--~150</td>
<td></td>
</tr>
<tr>
<td>1911</td>
<td>Sep 30, Bayliss Dam Failure, Freeman Run Valley, Austin, PA*</td>
<td>--78-149</td>
<td></td>
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<tr>
<td>1972</td>
<td>Feb 26, Dam Failure, Buffalo Creek, WV*</td>
<td>--126</td>
<td></td>
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<tr>
<td>1921</td>
<td>June 2, Arkansas River Levee Failures, Pueblo County, CO*</td>
<td>--120</td>
<td></td>
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<tr>
<td>1890</td>
<td>Feb 22, Dam Failure, Walnut Grove, AZ*</td>
<td>--100</td>
<td></td>
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<tr>
<td>1977</td>
<td>July 20, Dam Failures, Flash Floods, Johnstown &amp; Tanneryville, PA*</td>
<td>--84</td>
<td></td>
</tr>
<tr>
<td>1955</td>
<td>Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA*</td>
<td>--76</td>
<td></td>
</tr>
<tr>
<td>1916</td>
<td>Jan 14-30, Heavy Rain, So. CA Flooding, Lower Otay Dam Failure*</td>
<td>--22-60</td>
<td></td>
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<tr>
<td>1948</td>
<td>May 30, Flooding, Dikes Collapse, Columbia River, esp. Vanport City, OR*</td>
<td>--55</td>
<td></td>
</tr>
<tr>
<td>1850</td>
<td>Sep 2, Rainstorm, Mauch Chunk Dam Fails, Flood Tamaqua, Pottsville PA*</td>
<td>--~54</td>
<td></td>
</tr>
<tr>
<td>1965</td>
<td>Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA</td>
<td>--~50</td>
<td></td>
</tr>
<tr>
<td>1876</td>
<td>July 4, Storm, Flash Flood, Dam Failure, Rockdale, IA*</td>
<td>--41-42</td>
<td></td>
</tr>
<tr>
<td>1977</td>
<td>Nov 06, Dam Failure and Flash Flood, Kelly Barnes Dam, Toccoa, GA*</td>
<td>--39</td>
<td></td>
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<tr>
<td>1898</td>
<td>April 3, Levee Fails, Flash Flood, Shawnetown, IL*</td>
<td>--25-33</td>
<td></td>
</tr>
<tr>
<td>1900</td>
<td>April 7, Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX*</td>
<td>~24</td>
<td></td>
</tr>
<tr>
<td>1903</td>
<td>July 5, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA*</td>
<td>--20-23</td>
<td></td>
</tr>
<tr>
<td>1906</td>
<td>Dec 3, rain, Detroit Copper Mining Co. dam fails, flash flood, Clifton, AZ</td>
<td>--18-20</td>
<td></td>
</tr>
<tr>
<td>1924</td>
<td>Dec 24, Mathieson Alkali Works “Muck” dam fails, Palmertown/Saltville, VA</td>
<td>--19</td>
<td></td>
</tr>
<tr>
<td>1840</td>
<td>Apr 13, Downpour, Flooding, Dams Fail, esp. Pocasset Riv. Simmonsville, RI*</td>
<td>--18</td>
<td></td>
</tr>
<tr>
<td>1994</td>
<td>July 4-10, Tropical Storm Alberto Flooding, Dam Failures, Americus, GA</td>
<td>~15</td>
<td></td>
</tr>
<tr>
<td>1986</td>
<td>Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV*</td>
<td>--14</td>
<td></td>
</tr>
<tr>
<td>1869</td>
<td>Jan 31, Dam Failures/Flood, Upper/Lower Kohanza/Flint, Danbury, CT*</td>
<td>--11-13</td>
<td></td>
</tr>
<tr>
<td>1976</td>
<td>June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho*</td>
<td>--11-12</td>
<td></td>
</tr>
</tbody>
</table>

An asterisk following the description indicates a cross-listing in Floods

Only a subset of fatalities can be attributed to the failures of dams, dikes and levees. Cross-listed in Flooding.

Cross-listed in Fire, Structural, and in Flooding

Cross-listed in Flooding; some of the flooding fatalities were attributable to the Sharon Dam failure.

This is our guestimate. 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.

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:
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 – Chronological

1. 1840 -- Apr 13, Downpour, Flooding, Dams Fail, esp. Pocasset Riv. Simmonsville, RI* -- 18
2. 1850 -- Sep 2, 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 Failure, Williamsburg, MA* -- 139-200
6. 1876 -- July 4, Storm, Flash Flood, Dam Failure, Rockdale, IA* -- 41-42
7. 1889 -- May 31, South Fork Dam Failure, Flood, Fire Johnstown, PA* -- 3,311
8. 1890 -- Feb 22, Dam Failure, Walnut Grove, AZ* -- 100
9. 1892 -- June 5, Dam Failure, Oil Fire, Titusville, Oil City, PA* -- 350
10. 1898 -- April 3, Levee Fails, Flash Flood, Shawnetown, IL* -- 25-33
11. 1900 -- April 7, Heavy rain, Austin (McDonald) Dam Failure/Flooding, Austin, TX* -- >24
12. 1903 -- July 5, Cloudburst, Dam Failure, Flood, Oakford Park (~Pittsburgh), PA* -- 20-23
13. 1906 -- Dec 3, 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, IL* -- 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
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, VT* -- 200
24. 1928 -- March 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. 1965 -- Sep 9-10, Hurricane Betsy, levee breaks, New Orleans and South LA* -- ~50
28. 1972 -- Feb 26, Dam Failure, Buffalo Creek, WV* -- 126
29. 1972 -- June 9, Pactola Dam Failure, Black Hills Flash Flood, Rapid City, SD* -- 236-238
30. 1976 -- June 5, Teton Dam failure/flood, Teton River, ~Newdale, Southeast Idaho* -- 11-12
31. 1977 -- July 20, Dam Failures, Flash Floods, Johnstown & Tannerville, PA* -- 84
32. 1977 -- Nov 06, Dam Failure, Kelly Barnes Dam, Toccoa, GA -- 39
33. 1986 -- Feb 11-24, Heavy Rain, Flooding, Levee Failures, Northern CA, NV* -- 14
34. 1994 -- July 4-10, Tropical Storm Alberto Flooding, Dam Failures, Americus, GA* -- >15
35. 2005 -- Aug 29, Levee Failure due to Hurricane Katrina, New Orleans, LA* -- 1,253

Other:

If followed by an asterisk, cross-listed in Flooding.
Cross-listed in Fire, Structural, and in Flooding

Only a subset of fatalities can be attributed to the failures of dams, dikes and levees. Cross-listed in Flooding.
Cross-listed in Flooding; some of the flooding fatalities were attributable to the Sharon Dam failure.

This is our guestimate. 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.

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.
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 FL\(^{2846}\) -- 35
4. 1956 -- 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 -- Aug 26, Barge hits Bridge, Span Collapse, Webbers Falls, OK\(^{2847}\) -- 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, NM\(^{2848}\) -- 12
11. 1913 -- Jun 30, Walkway/Gangway failure, drownings, Merrimac River, Lawrence, MA -- 11
12. 1972 -- Nov 7, Freighter Hits Sidney Lanier Bridge, Span Collapse, Brunswick GA\(^{2849}\) -- 10

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\(^{2846}\) Cross-listed under Maritime and Road/Highway. More of a knock-down than a failure.
\(^{2847}\) Cross-listed under Maritime and Road/Highway
\(^{2848}\) Cross-listed in Explosions and in Fires-Structural.
\(^{2849}\) 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. 1883 -- July 23, **Pier** Fails, North Point, Tivoli Park, Baltimore, MD --63-70
3. 1899 -- Aug 06, **Gangplank** Fails, Drowning, Mount Desert Ferry ~ Bar Harbor ME -- 20
4. 1903 -- Aug 08, Bleacher Collapses, National Baseball Park, Philadelphia, PA -- 12
5. 1912 -- Jun 23, **Pier/Dock** Collapse, Eagle Park, Niagara River, near Buffalo, NY -- 39
6. 1913 -- Jun 30, **Walkway/Gangway** failure, drownings, Merrimac River, Lawrence, MA -- 11
7. 1919 -- Jan 15, Molasses Tank Failure, US Industrial Alcohol Co., Boston, MA -- 21
8. 1972 -- Nov 7, Sidney Lanier Bridge Span Collapse, Freighter Hits, Brunswick GA\(^{2850}\) -- 10
9. 1980 -- May 9, *Summit Venture* hits Sunshine Skyway Bridge, Collapse, Tampa FL\(^{2851}\) -- 35
10. 1999 -- Nov 17/18, Bonfire Stack Failure, Texas A&M, College Station, TX -- 12
11. 2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire, Carlsbad, NM\(^{2852}\) -- 12
12. 2002 -- May 26, Barge hits Bridge, Span Collapse, Webbers Falls, OK\(^{2853}\) -- 14

\(^{2850}\) Cross-listed under Maritime and Road/Highway.
\(^{2851}\) Cross-listed under Maritime and Road/Highway.
\(^{2852}\) Cross-listed in Explosions and in Fires-Structural.
\(^{2853}\) 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., CA—85-95
4. 1941 -- Sulfathiazole Winthrop Poisoning (tablets contaminated with phenobarbital) -- ≥82
5. 1800 -- July-Oct Smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA—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. 2002 -- July-Sep, Food poisoning Listeriosis outbreak, sliceable turkey deli meat -- 7-10

Other:
   1. 1901 -- Nov, Tetanus-tainted Smallpox vaccination deaths, Camden, NJ -- 9
   2. 2008 -- Sep-March, 2009; Salmonella food poisoning; peanut butter; ID/MN/NC/OH/VA-- 9

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2854 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.

2855 Cross-listed in Diseases.
1. 1800 -- July-Oct Smallpox epidemic blamed on virulent smallpox vaccine, Marblehead MA\textsuperscript{2856}--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. 1941 -- Sulfathiazole Winthrop Poisoning (tablets contaminated with phenobarbital) -- >82

10. 1942 -- Nov 18, Sodium fluoride poisoning, patients/staff, OR State Hosp., Salem, OR-- 47

11. 1985 -- Apr-July 28, Listeria food poisoning; unpasteurized milk contaminated cheese, esp. LA Co., CA\textsuperscript{2857}--85-95

12. 1998 -- Aug-Feb 1999 -- Listeria tainted hot dog and deli meat food poisoning deaths -- 21

13. 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

14. 2011 -- Aug-Oct, Listeriosis food poisoning; cantaloupes; packing facility ~Holly, CO-- 33

15. 2012 -- Fungal Meningitis Outbreak from tainted steroid injections, esp. MI/19 TN/16 -- 64

\textsuperscript{2856} Cross-listed in Diseases.

\textsuperscript{2857} 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.
1. 1925 -- March 18, Tornadoes, esp. Tri-State Tornado (IL/IN/MO) 695; AL/KY/TN -- 740-792
2. 1840 -- May 7, Tornado, Natchez, MS; Concordia and LA Plantations -- 317-586
3. 1884 -- Feb 19-20, Enigma SE Tornadoes, AL, GA, KY, LA, MS, NC, SC, VA -- 178-420
5. 2011 -- April 27, Tornadoes, Storms, Flash Floods, AL, AR, MS, TN, GA, VA, KY- 341-350
6. 1896 -- April 23-25, Tornado Outbreak (18), AL, GA, LA, MS, NE, TX -- 250-332
7. 1908 -- April 3-4, Tornadoes, esp. AL/GA/IL/IN/KY/MI//NC/OH/TN/VA/WV -- 294-342
8. 1936 -- April 5, Tornadoes, AL, AR, MS, TN -- 223
9. 1899 -- June 12, Tornado New Richmond, St. Croix County, WI -- 119
10. 1902 -- May 18, Tornado, Joplin, MO -- 159-163
11. 1927 -- May 9, Tornadoes, AR/70, MO/93 (esp. Poplar Bluff/83), TX/40, IL/7, LA/1 -- 211
12. 1936 -- April 6, Tornadoes and Fires (esp. Cooper Pants Factory), Gainesville, GA -- 203
13. 1913 -- March 23, Easter Sunday Tornadoes, LA, MO, esp. Omaha, NE, IN, IA -- 194-196
14. 1947 -- April 9, Woodward, Oklahoma Tornado; Tornado Outbreak TX, KS -- 185
15. 1860 -- June 3, Tornado Outbreak, Camanche, IA & Albany, IL -- 175
16. 1880 -- April 18, Tornadoes, AR/10, IL/KS/OK 1 ea., MO/152, esp. Marshfield/99, MO-- 165
17. 1920 -- April 20, Palm Sunday Tornado Outbreak, IL, WI, IN, MI, AL, GA -- 163
18. 2011 -- May 22, Tornado, Joplin, MO -- 159-163
19. 1905 -- May 10, F5 Tornado, Lock hamlet & esp. Snyder, Kiowa Co. & area, OK -- 97--120
20. 1953 -- June 8, Tornadoes, MI/125 (especially Flint/115), OH/18 -- 143
21. 1942 -- March 16, Tornadoes, IL, KY, MS, TN, AL, IN -- 145
22. 1944 -- June 23, Appalachians Tornado Outbreak, WV (Shinnston), PA, MD, DE -- 154
23. 1909 -- April 29, Tornadoes, AL, AR, IL, MS, MO, TN -- 132-146
24. 1953 -- May 11, Tornadoes, Tom Green and McLennan Counties (Waco/114), TX -- 127
25. 1875 -- March 20, SE Tornado Outbreak, especially GA, also AL, NC, SC -- 93-120
26. 1999 -- June 12, Tornado New Richmond, St. Croix County, WI -- 119
27. 1875 -- May 1, Tornadoes, AL, GA, SC -- 96-99
28. 1903 -- June 1, Tornado, Gainesville (includes former mill village of New Holland), GA--98-113
29. 1971 -- Feb 21, Tornadoes, Mississippi Delta, MS -- 109
30. 1955 -- May 25, Tornadoes, TX, OK, KS -- 102
31. 1917 -- May 26, Tornado, 7 counties, especially Coles County (Mattoon), IL -- 101
32. 1860 -- May 21, Tornado, Louisville, KY to Portsmouth, OH -- 100
33. 1882 -- June 18, Tornado, Grinnell, Iowa -- 100
34. 1875 -- May 1, Tornadoes, AL, GA, SC -- 96-99
35. 1953 -- June 9, F4 Tornado; Worcester/60, Holden/9, Shrewsbury/12, Westborough/6, MA -- 94
36. 1920 -- April 20, Tornadoes, AL -- 92

Cross-listed in Fire-Structural. Approximately 40-70 people died in the Pants Factory fire.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1924</td>
<td>June 28</td>
<td>Tornadoes, (Lorain, Sandusky, elsewhere), OH</td>
<td>89</td>
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<tr>
<td>1933</td>
<td>Mar 30/31</td>
<td>Tornado outbreak/high winds, AL/2, AR/1, LA/11, MS/56, TX/18</td>
<td>88</td>
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<tr>
<td>1883</td>
<td>Apr 22</td>
<td>Tornado, MS</td>
<td>81</td>
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<tr>
<td>1927</td>
<td>Sep 29</td>
<td>Tornadoes, St. Louis City and County, MO, Madison County, IL</td>
<td>81</td>
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<td>1930</td>
<td>May 06</td>
<td>Tornadoes, TX</td>
<td>81</td>
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<tr>
<td>1955</td>
<td>April 25</td>
<td>Tornado, Udall, KS</td>
<td>80</td>
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<tr>
<td>1886</td>
<td>Apr 14</td>
<td>Tornadoes, Sterns/Benton (Sauk Rapids)/Morrison Counties, MN</td>
<td>79</td>
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<tr>
<td>1913</td>
<td>March 13/14</td>
<td>Tornado Outbreak, AL, AR, GA, LA, MS, TN, TX</td>
<td>78</td>
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<tr>
<td>1985</td>
<td>May 31</td>
<td>Tornadoes, OH (11 fatalities) and PA (65-67 fatalities)</td>
<td>76-78</td>
</tr>
<tr>
<td>1909</td>
<td>Oct 14</td>
<td>Tornado Outbreak, esp. AL (11-21), AR (2), GA (1-2), TN (42-50)</td>
<td>56-75</td>
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<tr>
<td>1927</td>
<td>Apr 12</td>
<td>Rock Springs TX Tornado</td>
<td>74</td>
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<tr>
<td>1896</td>
<td>May 15</td>
<td>Sherman Texas Tornado</td>
<td>73</td>
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<tr>
<td>1893</td>
<td>July 6</td>
<td>Tornado, Cherokee/Buena Vista/Pocahontas/Calhoun Counties, IA</td>
<td>71</td>
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<td>1920</td>
<td>May 02</td>
<td>Tornado, Peggs (Cherokee County), OK</td>
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<tr>
<td>1968</td>
<td>May 15</td>
<td>Tornado Outbreak, AR, IA, IL, IN, KS, OH, MO</td>
<td>71</td>
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<tr>
<td>1900</td>
<td>Nov 20</td>
<td>Tornado, MS, TN</td>
<td>69</td>
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<tr>
<td>1883</td>
<td>May 18</td>
<td>Tornado Outbreak, IL and WI</td>
<td>62</td>
</tr>
<tr>
<td>1921</td>
<td>Apr 21</td>
<td>Tornado, Northeast TX and AR</td>
<td>61</td>
</tr>
<tr>
<td>1919</td>
<td>June 22</td>
<td>Tornado, Fergus Falls (Ottertail County), MN</td>
<td>59</td>
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<tr>
<td>1926</td>
<td>May 18</td>
<td>Tornado Outbreak, IL and WI</td>
<td>62</td>
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<tr>
<td>1921</td>
<td>Apr 21</td>
<td>Tornado, Northeast TX and AR</td>
<td>61</td>
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<td>1900</td>
<td>June 22</td>
<td>Tornado, Fergus Falls (Ottertail County), MN</td>
<td>59</td>
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<td>1919</td>
<td>April 9</td>
<td>Tornadoes, TX</td>
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<tr>
<td>2008</td>
<td>Feb 5-6</td>
<td>“Super Tuesday” Tornado Outbreak, AL, AR, KY, TN</td>
<td>62-63</td>
</tr>
<tr>
<td>1883</td>
<td>May 18</td>
<td>Tornado Outbreak, IL and WI</td>
<td>62</td>
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<tr>
<td>1921</td>
<td>Apr 21</td>
<td>Tornado, Northeast TX and AR</td>
<td>61</td>
</tr>
<tr>
<td>1900</td>
<td>June 22</td>
<td>Tornado, Fergus Falls (Ottertail County), MN</td>
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<td>1919</td>
<td>Jan 03</td>
<td>Tornado Outbreak, AR</td>
<td>58</td>
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<tr>
<td>1919</td>
<td>Apr 21</td>
<td>Tornadoes, Northern IL</td>
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<td>1966</td>
<td>Mar 03</td>
<td>Tornado, Hinds and Kemper Counties, MS</td>
<td>57</td>
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<tr>
<td>1979</td>
<td>Apr 10</td>
<td>Tornadoes, Red River Valley (especially Wichita Falls, TX), OK, TX</td>
<td>56-57</td>
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<td>1979</td>
<td>Apr 9</td>
<td>Tornadoes, TX</td>
<td>56</td>
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<tr>
<td>1979</td>
<td>Apr 10</td>
<td>Tornadoes, Miller, Hempstead, Pile, Yell, Pope Counties, AR</td>
<td>56</td>
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<tr>
<td>1942</td>
<td>April 27</td>
<td>Tornadoes, Rogers, Mayes (Pryor), Counties OK</td>
<td>56</td>
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<tr>
<td>1898</td>
<td>Jan 11</td>
<td>Tornado, Fort Smith, Arkansas</td>
<td>55</td>
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<tr>
<td>1898</td>
<td>May 18</td>
<td>Tornadoes, IA, IL, WI</td>
<td>55</td>
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<tr>
<td>1929</td>
<td>April 10</td>
<td>Tornado Outbreak, AR</td>
<td>55</td>
</tr>
<tr>
<td>1999</td>
<td>May 3</td>
<td>Tornadoes (74; 58 in OK); KS (6 deaths) &amp; especially OK (45)(^{2859})</td>
<td>51-55</td>
</tr>
</tbody>
</table>

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\(^{2859}\) 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.
83. 1933 -- March 14, Tornado outbreak, esp. Nashville, Pruden, Kingsport area, TN --45-52
84. 1949 -- May 21, Tornado Outbreak, MO/IL/IN --  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. 1915 -- July 7, Tornado Outbreak and Windstorms, OH/KY/IL/IN/MS -- >50
88. 1917 -- May 27-28, Tornado Outbreak (7), AL --  50

**TORNADOES – Deadliest American -- By MORTALITY -- (Cont.)**

89. 1929 -- Apr 25, Tornado Outbreak, GA --  49
90. 1957 -- May 20, Tornado, Kansas City Suburbs, Jackson County, MO --  48
91. 1896 -- May 25, Tornado Outbreak, IL and MI --  47
93. 2011 -- Apr 14-16, Storms, wind, tornadoes, flash floods, AL, AR, MS, NC, OK, VA --  46
94. 1945 -- Feb 12, Tornado Outbreak, AL/MS --  43
95. 1948 -- Mar 19, Tornado Outbreak, MO/IL/KY/PA/MD --  43
96. 1919 -- Mar 16, Tornado Outbreak, LA and MS, especially Isola, MS --  42
97. 1998 -- Feb 22-23, Tornadoes, Orange, Osceola, Seminole, Volusia Counties, FL --  42
98. 1879 -- May 30, Tornadoes, MO, KS, NE -- >40
99. 1880 -- May 28, Tornado, Fannin County, TX --  40
100. 1883 -- Aug 21, Tornado Outbreak, MN --  40

101. 1944 -- Apr 10, Tornadoes, AR --  39
102. 2012 -- Mar 02, Tornadoes, Midwest and South, esp. AL, GA, IN, KY, OH, TN --  39
103. 1953 -- Dec 05, F5 Tornado, Warren County, MS --  38
104. 2003 -- May 4, Tornadoes, SE KS (8) MO (19) TN (11) esp. Denmark area --  38
105. 1884 -- Feb 19, Tornadoes, MS-AL, AL-GA, KY, GA-SC --  37
106. 1893 -- Apr 25, Cleveland, Grady, Logan, McClain, Payne Counties, OK --  37
107. 1904 -- Jan 22, Tornado, Hale-Tuscaloosa Counties (Moundville), AL --  37
108. 1932 -- Mar 21, Tornadoes, GA2860 --  37
109. 2014 -- Apr 27-28, Tornadoes, AR, OK, IA, AL, MS, TN, especially AR and MS --  37
110. 1918 -- Aug 21, Brookings County SD / Lincoln, Lyon Counties, MN --  36
111. 1933 -- May 09, Tornado, Monroe/Cumberland/Adair/Russell, KY --  36
112. 1936 -- Apr 02, Tornado, Crisp County (especially Cordele), GA --  36
113. 1933 -- May 10, Tornado, Overton/Pickett, TN --  35
114. 1942 -- June 12, Tornado, Oklahoma County, OK --  35
115. 1947 -- June 01, Tornado, Jefferson County, AR --  35
116. 1878 -- Aug 09, Tornado, Wallingford, New Haven County, CT --27-34
117. 1905 -- May 08, Tornado, McPherson and Saline Counties, KS --  34
118. 1909 -- May 30, Tornado, Brown County, TX --  34
119. 1913 -- Mar 21, Tornadoes (5), AL --  34
120. 1917 -- June 5, Cooper/Boone/Audrain/Wright/Ray/Carroll Counties, MO --  34
121. 1924 -- Sep 21, Tornadoes, WI --  34
122. 1933 -- May 01, Tornadoes (2), Webster/Bienville/Claiborne, LA --  34
123. 1998 -- Apr 8, Tornadoes, Oak Grove, Moody Counties, Birmingham, AL --  34

2860 GA subset of Southeast Tornado Outbreak, March 21, 1932, AL, GA, KY, MS, TN

663
124. 2002 -- Nov 10, Tornado Outbreak, AL (12) MS (1) OH (5) PA (1) TN (15) -- 34
125. 1921 -- Feb 10, Tornado, Oconee and Gardner (Washington County), GA -- 32
126. 1938 -- Sep 29, Tornado, Charleston County, SC -- 32
127. 1939 -- Apr 16, Tornadoes, Drew, Cleveland, Jefferson Counties, AR -- 32
128. 1969 -- Jan 23, Tornado Outbreak, Central MS -- 32
129. 1950 -- Feb 12, Tornadoes, TX, LA -- 31
130. 1960 -- May 05, Tornado Outbreak, OK -- 31
131. 1982 -- Apr 2, Tornadoes, AR/IL/IA/KS/LA/MS/NE/OK/TN/TX esp. AR/15, MS/3, MO/2 TX/11-31
133. 1818 -- Aug 15, Tornado, Stafford County, VA to Charles County, MD -- 30
134. 1876 -- July 4, Tornadoes, Warren and Madison Counties, IA -- >30
135. 1884 -- Mar 25, Tornadoes, GA, IN, KY, NC, OH, SC -- 30
136. 1888 -- Feb 19, Tornado, F4, Mount Vernon, Jefferson County, IL --24-30
137. 1912 -- Apr 21, Tornadoes (6), IL, IL-IN, IN -- 30
138. 1917 -- Mar 11, Tornados, Henry and White Counties, IN, Cincinnati, OH --28-30
139. 1924 -- May 26, Tornadoes, MS -- 30
140. 1946 -- Jan 4, Tornado Outbreak, TX -- 30
141. 1987 -- May 22, Tornado, Saragosa, Reeves County, TX -- 30
142. 2006 -- Apr 2, Tornadoes, high-wind Storms, AR, IL, IN, MO, esp. NW TN --29-30

**TORNADOES – Deadliest American -- By MORTALITY**

143. 1887 -- Apr 21, Tornado, Anderson, Linn Counties, KS; Bates County, MO -- 29
144. 1912 -- Apr 27, Tornadoes, 7 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 -- March 1, Tornadoes; especially AR (27 deaths) MS (1 death) and TN (1) 2861 -- 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. 1958 -- Jun 04, Tornado Outbreak, WI -- 28
151. 1878 -- Apr 21, Tornadoes, six Counties, IA -- 27
152. 1927 -- Feb 17, Tornadoes, Sabine/Natchitoches/Red River, Tensas, LA -- 27
153. 1942 -- May 02, Tornadoes (3), multiple counties, OK -- 26
154. 1970 -- May 11, F5 Tornado, Lubbock, TX -- 26
155. 1992 -- Nov 21-23, Tornado Outbreak, GA/6 KY/1 MS/15 NC/2 SC/1 TN/1 -- 26
156. 1854 -- Aug 27, Tornado, Louisville, KY -- 25
157. 1882 -- May 08, Tornadoes, Alfalfa, Johnston, and Pittsburg Counties, OK -- 25
158. 1887 -- April 22, Tornadoes, ~Clarksville, AR; ~Mt. Carmel, IN; Buena Vista, IL -- 25
159. 1892 -- Mar 31, Tornadoes, Ottawa/Sumner/Sedgwick & other Counties, KS -- 25
160. 1896 -- May 17, Tornado, Palmer, Kansas to Falls City, NE -- 25
161. 1901 -- March 25, Tornado, Jefferson Co. (Birmingham/Avondale/Irondale), AL --16-25
162. 1933 -- May 05, Tornadoes, AL -- 25
163. 1956 -- April 15, Tornado, Jefferson County, AL -- 25
164. 2005 -- Nov 6, Tornado, Eastbrook Mobile Homes, Evansville & Warrick Co., IN 2862 --24-25

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2861 Includes one indirect electrocution death in Pulaski County, AR, on March 2, during clean-up; male, 35.
<table>
<thead>
<tr>
<th>Year</th>
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<tr>
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<td>1927</td>
<td>March 18</td>
<td>Tornado, Carroll and Boone Counties, AR</td>
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<td>1947</td>
<td>Apr 29</td>
<td>Tornadoes, MO/AR</td>
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<td>1949</td>
<td>Mar 26</td>
<td>Tornadoes, AR</td>
<td>24</td>
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<tr>
<td>1964</td>
<td>Oct 03</td>
<td>Tornado (Spawned by Hilda), Larose, Lafourche Parish, LA</td>
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<td>2013</td>
<td>May 20</td>
<td>Tornado, Moore, OK</td>
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<td>1814</td>
<td>Jun 30</td>
<td>Tornado Sinks Schooner USS Alligator, Port Royal Sound, SC</td>
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<tr>
<td>1893</td>
<td>Apr 28</td>
<td>Tornado, Eastland County, TX</td>
<td>23</td>
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<tr>
<td>1906</td>
<td>Mar 02</td>
<td>Tornado, Meridian, Lauderdale County, MS</td>
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<td>1917</td>
<td>May 25</td>
<td>Tornado, Sedgwick, Harvey, Marion Counties, KS</td>
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<td>1923</td>
<td>May 14</td>
<td>Tornado, F5, Howard and Mitchell Counties, TX</td>
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<td>1930</td>
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<td>Tornado, Oklahoma County, OK</td>
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<td>1944</td>
<td>Apr 16</td>
<td>Tornado, Franklin, Hart, Elbert, GA</td>
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<td>1955</td>
<td>Feb 01</td>
<td>Tornadoes, Tunica/DeSoto Counties, MS</td>
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<td>2019</td>
<td>March 3</td>
<td>Tornadoes, esp. EF-4 Lee County (including Beauregard), AL</td>
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<td>1865</td>
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<td>Tornado, Viroqua, WI</td>
<td>22</td>
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<td>1929</td>
<td>May 2</td>
<td>Tornadoes, VA</td>
<td>22</td>
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<td>1977</td>
<td>April 04</td>
<td>Tornado, Jefferson County AL</td>
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<tr>
<td>1991</td>
<td>April 26</td>
<td>Tornadoes, KS (18 deaths); OK (4 deaths), esp. Andover area, KS</td>
<td>22</td>
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<td>1994</td>
<td>March 27</td>
<td>Tornado, St. Clair, Calhoun, Cherokee Counties, AL</td>
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<td>1846</td>
<td>May 07</td>
<td>Tornado, Grenada, MS</td>
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<td>1896</td>
<td>May 24</td>
<td>Tornado, Des Moines/Valeria, IA</td>
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<td>1927</td>
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<td>1938</td>
<td>Feb 17</td>
<td>Tornado, Cass, TX; Caddo, LA</td>
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<td>1953</td>
<td>Apr 30</td>
<td>Tornadoes, GA</td>
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<td>1957</td>
<td>May 15</td>
<td>Tornado, Silverton, Briscoe County, TX</td>
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<td>1959</td>
<td>Feb 10</td>
<td>Tornado, St. Louis City and County, MO</td>
<td>21</td>
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<td>1989</td>
<td>Nov 15</td>
<td>Tornado, Madison County, AL</td>
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<td>2007</td>
<td>Feb 02</td>
<td>Tornadoes, Lady Lake and Lake Mack, Lake County, Central FL</td>
<td>21</td>
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<td>2008</td>
<td>May 10</td>
<td>Tornadoes, Northeast OK and Southwest MO</td>
<td>21</td>
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<tr>
<td>2017</td>
<td>Jan 21</td>
<td>(MS/4) and Jan 22 (GA/16-17) Tornadoes and High Wind (FL/1)</td>
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<tr>
<td>1883</td>
<td>May 28</td>
<td>Tornadoes, --Clay City, Clay Co., Edinburgh, Johnston Co., IN</td>
<td>14-20</td>
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<td>1880</td>
<td>June 09</td>
<td>Tornado, Wheeler’s Grove, Pottawattamie County, IA</td>
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<tr>
<td>1903</td>
<td>Apr 3</td>
<td>Tornadoes (2), Leesburg, Hopewell, Summit, AL</td>
<td>20</td>
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</tbody>
</table>

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2862 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.
2863 Also included in Hurricane Hilda fatality count of 42.
2864 Cross-listed in Maritime
2865 Range reflects Albany, GA boy, 2, still missing one month later. The FL death was attributed to high wind.
200. 1923 -- Mar 11, Tornado, Chester/Madison, TN -- 20
201. 1930 -- May 18, Tornadoes, Arkansas and Phillips Counties, AR -- 20
202. 1936 -- Jan 18, Tornadoes, AL (6 deaths), FL (7 deaths), GA (7 deaths) -- 20
203. 1948 -- Mar 26, Tornado Outbreak, IN -- 20
204. 1955 -- Apr 25, Tornado, Blackwell, OK -- 20
205. 2013 -- May 31, Tornadoes, flooding, Oklahoma City region, Central OK\textsuperscript{2866} -- 20

\textbf{TORNADOES -- Deadliest American -- By MORTALITY (Cont.)}

206. 1858 -- May 31, Tornado, Ellison, Warren County, IL -- 19
207. 1918 -- May 21, Tornadoes (7), 10 Counties, IA -- 19
208. 1920 -- Apr 19, Tornadoes, Yell/Logan/Johnson/Pope Counties, AR -- 19
209. 1929 -- Feb 25, Tornado, F4, Bolivar County, MS -- 19
210. 1933 -- May 5, Tornado, Anderson and Laurens Counties, SC -- 19
211. 1941 -- Oct 26, Tornadoes, Yell, Pope and Ashley Counties, AR -- 19
212. 2000 -- Feb 13-14, Georgia Tornadoes, esp. Camilla, Mitchell County, GA -- 19

213. 1873 -- May 22, Tornadoes, KS, IA, IL -- 18
214. 1905 -- July 05, Tornado, Montague Country, TX -- 18
215. 1917 -- May 27, Tornado, Miss., AR, TN -- 18
216. 1919 -- Apr 08, Tornado, F4, Collin and Fannin Counties, TX -- 18
217. 1925 -- Oct 25, Tornado, Pike-Bullock-Barbour-Crenshaw Counties, AL -- 18
218. 1940 -- Feb 10, Tornado, Dougherty County, GA -- 18
219. 1944 -- Apr 16, Tornadoes, Anderson/Abbeville/Newberry Counties, SC -- 18
220. 1947 -- Dec 31, Tornado, Bossier, Webster, Claiborne Counties, LA -- 18
221. 1956 -- Apr 3, Tornado, Allegan/Ottawa/Kent/Montcalm, MI -- 18

222. 1878 -- May 23, Tornadoes, WI and Dane County, IA -- 17
223. 1886 -- May 14, Tornado Outbreak (3) OH -- 17
224. 1892 -- May 27, Tornado, Barber, Harper, and Sumner Counties, KS -- 17
225. 1903 -- Feb 17, Steamer \textit{Olive} sunk, Tornado, Chowan Riv., Woodley’s Pier, NC\textsuperscript{2867} -- >17
226. 1903 -- Oct 03, Tornadoes (3), MN-WI, WI, IL -- 17
227. 1905 -- Mar 20, Tornado, Chambers/Randolph Counties, AL; Heard County, GA -- 14-17
228. 1906 -- Apr 26, Tornado, Clay and Montague Counties, TX -- 17
229. 1912 -- Apr 20, Tornadoes (9), KS, OK, TX -- 17
230. 1916 -- Dec 26, Tornadoes (3), AR -- 17
231. 1917 -- Jan 04, Tornado, Vireton, OK -- 17
232. 1923 -- March 15, Tunica, Tate, Desoto, Quitman, Panola Counties, MS -- 17
233. 1926 -- Nov 9, Tornado, Charles and Prince Georges Counties, MD -- 17
234. 1953 -- March 13, Tornado, Haskell/Knox Counties, TX -- 17
235. 1962 -- March 31, Tornado, Milton, Santa Rosa County, FL -- 17
236. 1966 -- June 8, Tornado, Topeka, Shawnee, KS -- 16-17
237. 1970 -- April 18, Tornado, Swisher/Briscoe/Armstrong/Donley/Gray, TX -- 17

\textsuperscript{2866} 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.

\textsuperscript{2867} Cross-listed in Maritime.
238. 2011 -- May 24, Tornadoes, OK, KS, Ark  -- 17
239. 2015 -- Dec 23, Storms and Tornadoes, AR (1 death) MS (10 deaths) and TN (6)  -- 17

TORNADOES – Deadliest American -- By MORTALITY – Cont.

240. 1852 -- Apr 30, Tornado, New Harmony, IN  -- 16
241. 1874 -- Nov 22, Tornadoes, Colbert, Lauderdale, Shelby Counties, AL  -- 12-16
242. 1877 -- June 4, Tornado, Mt. Carmel, Wabash County, IL  -- 16
243. 1879 -- July 2, Tornado Outbreak, IA, MN, WI  -- 16
244. 1893 -- Mar 23, Clarke/Desoto MS; Richland, LA; Shelby/Weakley, TN  -- 16
245. 1894 -- Mar 18, Tornadoes, Harrison and Nacogdoches Counties, TX  -- 10-16
246. 1899 -- Mar 18, Tornadoes (3), AL  -- 16
247. 1905 -- Apr 29, Severe Storm or Tornado, Laredo, TX  -- 16
248. 1909 -- Apr 30, Tornado Outbreak, GA  -- 16
249. 1915 -- May 06, Tornadoes, MS, LA, TN  -- 16
250. 1917 -- Feb 23, Tornadoes, Hale, Perry, Elmore, Coosa, Clay Counties, AL  -- 16
251. 1924 -- Apr 30, Tornado Outbreak, GA  -- 16
252. 1933 -- May 22, Tornadoes, OK, KS, NE, ND  -- 16
253. 1961 -- May 05, Tornado, Leflore County, OK  -- 16
254. 1978 -- June 17, Tornado, Showboat Whippoorwill capsized, Pomona Lake, KS2868  -- 16
255. 1984 -- April 21, MS (15-16) & TN Tornadoes esp. Water Valley and Philipp, MS  -- 15-16

256. 1854 -- Jan, Tornado, Louisville Vicinity, KY  -- 15
257. 1881 -- Jun 12, KS, MO  -- 15
258. 1904 -- Apr 25, Tornadoes, TX, Indian Territory, AR, KS  -- 15
259. 1909 -- May 29, Tornadoes (4), OK and ND  -- 15
260. 1921 -- Apr 16, Tornado Outbreak (9), AL  -- 15
261. 1921 -- Apr 26, Tornado, Copiah, Simpson Counties, MS  -- 15
262. 1923 -- April 4, Tornado, Rapides, LA  -- 15
263. 1924 -- May 28, Tornado Outbreak, OK  -- 15
264. 1942 -- April 29, Tornado, Allen, Bourbon, Linn Counties, KS  -- 15
265. 1949 -- Nov 24, Tornado Outbreak, AL  -- 15
266. 1957 -- May 21, Tornado Outbreak, MO  -- 15
267. 1958 -- June 10, Tornado, El Dorado, Butler County, KS  -- 15
268. 1969 -- Aug 06, Tornado Outbreak, MN  -- 15

269. 1893 -- March 3, Tornado Outbreak, GA  -- 14
270. 1897 -- March 30, Tornado, Lincoln County, OK  -- 14
271. 1901 -- March 9, Tornado Outbreak (5), AR, TX  -- 14
272. 1903 -- May 24, Franklin, Kearney, Adams, Webster, Clay Counties, AL  -- 14
273. 1908 -- Feb 14, Tornadoes, Tyler, TX, and Mossville, Service and Soso, MS  -- 8-14
274. 1908 -- Nov 23, Tornado, Franklin County, AR  -- 14
275. 1909 -- Feb 05, Tornado Outbreak, AL, AR and MS  -- 14
276. 1911 -- Apr 12, Tornadoes (8), AR, KS, OK, OK-KS-MO  -- 14
277. 1912 -- Feb 25, Tornadoes, Lincoln/Jefferson/Arkansas, Lee Counties, AR  -- 14

2868 Cross-listed in Maritime.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Date</th>
<th>Location</th>
<th>Mortality</th>
</tr>
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<tbody>
<tr>
<td>1913</td>
<td>Mar</td>
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<td>14</td>
<td>Storm/Tornadoes, esp. Tamora, McCool Junction, Seward, NB</td>
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<td>1917</td>
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<td>1</td>
<td>Tornado, Coal County, OK</td>
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<td>1918</td>
<td>May</td>
<td>9</td>
<td>Tornadoes, IL and IA</td>
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<td>1919</td>
<td>Mar</td>
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<td>Tornadoes, Dover, --Hinton, Kingfisher, Porter, Weatherford, OK</td>
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<td>Tornadoes, LA, MS</td>
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<td>1922</td>
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<td>Tornadoes, AR, LA, MS</td>
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<td>Tornado, Warren, Covington, Jones, Jasper Counties, MS</td>
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<td>F4 Tornado, Rockford, IL</td>
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<td>Tornadoes, KS, MO, NE, IA, WI</td>
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<td>Tornado, Guilford County, NC</td>
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<td>May</td>
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<td>Tornado Outbreak (8), TX, OK, MN, OH</td>
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<td>F4 Tornado, Sebastian Country, AR</td>
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<td>June</td>
<td>8</td>
<td>Tornado, Payne, Creek, Pawnee, Osage Counties, OK</td>
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**TORNADOES – Deadliest American – By MORTALITY – Cont.**

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<thead>
<tr>
<th>Year</th>
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<th>Date</th>
<th>Location</th>
<th>Mortality</th>
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<td>12/13</td>
<td>Tornado/Storm, New Madrid Co., MO, Hickman Co., KY</td>
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<td>Tornado, Lee and Dekalb Counties, IL</td>
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<td>1911</td>
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<td>11</td>
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<td>Tornadoes (3), 12 counties, TN</td>
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<td>Tornado, Crew and Desha Counties, AR</td>
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<td>Tornado, IL</td>
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<td>1958</td>
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<tr>
<td>1967</td>
<td>Apr</td>
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<td>Tornado Outbreak, Freeborn/Waseca/Steele, MN</td>
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<td>1968</td>
<td>May</td>
<td>15</td>
<td>Tornado, Franklin/Butler/Floyd/Chickasaw/Howard Counties, IA</td>
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<td>1984</td>
<td>June</td>
<td>7</td>
<td>Tornado outbreak, especially WI (9 deaths), IA (4) and MO (1 death)</td>
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<td>2007</td>
<td>May</td>
<td>4</td>
<td>Tornado outbreak, Greensburg (11), Hopewell (1), Macksville (1), KS</td>
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320. 1868 -- May 05, Tornadoes, Pickens/Tuscaloosa/Talladega Counties, AL -- 12
321. 1881 -- Sep 20, Tornado, Mondovi, Buffalo County, WI -- 12

**TORNADOES – Deadliest American – By MORTALITY (Cont.)**

322. 1884 -- April 1, Tornado, OH/IN/TN/Western PA -- 12
323. 1890 -- June 3, Tornado, Bradshaw, NE -- 12
324. 1893 -- April 11, Tornado, Dent and Crawford Counties, MO -- 12
325. 1898 -- July 4, Tornado/Squall, Hampton Beach, NH -- 9-12
326. 1907 -- May 25, Mason, San Saba, Van Zandt, Rains Counties, TX -- 12
327. 1908 -- June 5, Tornado, Thayer and Fillmore Counties, NE -- 12
328. 1912 -- Feb 20, Tornado Outbreak (2), Caddo/Bossier, Claiborne, LA -- 12
329. 1914 -- Oct 09, Tornadoes (4), Elk, Wilson, Cherokee KS; Ottawa Co. OK -- 12
330. 1917 -- June 6, Tornadoes, MI, PA, KY -- 12
331. 1919 -- Apr 09, Tornadoes, Fannin, Bryan, Coal, Pontotoc Counties, OK -- 12
332. 1922 -- Apr 08, Tornado, Runnels, Coleman and Callahan Counties, TX -- 12
333. 1922 -- May 4, Tornado, Travis County, TX -- 12
334. 1926 -- Nov 25, Tornado, Sabine/Natchitoches/Red River, LA -- 12
335. 1927 -- March 17, Tornado, Hot Springs, Saline, Pulaski Counties, AR -- 12
336. 1927 -- May 08, Tornadoes, MO -- 12
337. 1929 -- Apr 05, Pierce/St. Croix/Dunn/Barron/Rusk/Sawyer Counties, WI -- 12
338. 1935 -- Feb 08, Tornado, Leon and Houston Counties, TX -- 12
339. 1953 -- May 10, Tornado Outbreak, WI/MN/IA -- 12
340. 1957 -- Nov 07, Tornado Outbreak, LA, MS, TX -- 12
341. 1959 -- Sep 30, Hurricane Gracie Spawns Tornadoes in Central VA, esp. Ivy2869 --11-12
342. 1963 -- Apr 29, Tornadoes, MO, MS, TN -- 12
343. 1968 -- Apr 03, Tornado Outbreak, AR, KY, TN, OK, MO -- 12
344. 1984 -- April 26, Tornado Outbreak, IA, MN (1), KS, and especially OK (11) -- 12
345. 1998 -- Mar. 20, Tornado, Hall (Gainesville Area) and White Counties, GA -- 12
346. 2000 -- Dec 16, Tornadoes, Geneva (1 fatality) and Tuscaloosa (11 deaths), AL -- 12
347. 2012 -- Feb 30, Severe Weather, Tornadoes, Harrisburg, IL, KS, KY, MO, NE, TN -- 12

348. 1804 -- April 4, Tornadoes, Six Counties in GA, Edgefield County, SC -- 11
349. 1811 -- Sep 10, Tornado, Charleston County, SC -- 11
350. 1859 -- May 26, Tornado, Scott and Morgan Counties, IL -- 11
351. 1873 -- July 04, Tornado or Storm, Boats Capsize, Drownings, Green Lake, WI2870 -- 11
352. 1893 -- June 21, Tornado, Jefferson County, KS -- 11
353. 1882 -- Mar 27, Tornadoes, Jones, Randolph, Terrell, Lee, Sumter Counties, GA -- 11
354. 1882 -- Apr 19, Tornado, Petits and Saline Counties, MO -- 11
355. 1883 -- Apr 23, Tornado Outbreak, GA -- 11
356. 1888 -- Aug 21, Tornado, Kent County, MD -- 11
357. 1891 -- July 06, Tornado, West Baton Rouge/East Baton Rouge, LA -- 11
358. 1899 -- June 13, Tornado, Washington County, NE -- 11
359. 1903 -- July 17, Tornadoes, La Salle and Livingston Counties, IL -- 11

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2869 Cross-listed under Hurricanes.
2870 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.
360. 1907 -- June 7-8, Tornadoes, New Minden and York, IL; Grayville, IN --10-11
361. 1907 -- July 3, Tornadoes, Jackson, Juneau, Monroe, Sauk Counties, WI -- 11

**TORNADOES -- Deadliest American -- By MORTALITY -- Cont.**

362. 1912 -- June 15, Tornado, Linn, Miami Counties, KS; Bates, Cass Counties, MO -- 11
363. 1915 -- Nov 10, Tornado, Pawnee and Barton Counties, KS -- 11
364. 1916 -- Apr 19, Tornadoes, Bourbon Ct., KS; Six Counties in MO -- 11
365. 1916 -- May 20, Tornadoes (2), TX and TX-OK -- 11
366. 1921 -- Apr 13, Tornado, F4, Collin County, TX -- 11
367. 1921 -- Nov 17, Tornadoes, Polk/Clark/Hot Springs/Garland Counties, AR -- 11
368. 1921 -- Dec 23, Tornadoes, AR/MS -- 11
369. 1922 -- Apr 17, Tornado, Warren County, IN -- 11
370. 1922 -- Nov 04, Tornado, Creek and Pawnee Counties, OK -- 11
371. 1938 -- March 30-31, Tornadoes, AR -- 11
372. 1938 -- April 7, Tornado, Near Aliceville, Pickens County, AL -- 11
373. 1940 -- April 30, Tornadoes, AR, MO -- 11
374. 1942 -- April 28, Tornado, F4, Foard County, TX -- 11
375. 1946 -- Jan 6, Tornado Outbreak, AR/MS -- 11
376. 1946 -- Aug 17, Tornado (F4), Blue Earth County, MN -- 11
377. 1950 -- Apr 28, Tornado Outbreak, TX/OK -- 11
378. 1953 -- June 7, Tornado, Madsen farm near Arcadia, Nebraska --10-11
379. 1957 -- Dec 18, Tornado, Jackson, Williamson, Franklin Counties, IL -- 11
380. 1964 -- May 8, Tornado, Macomb, MI -- 11
381. 1966 -- Apr 4, Tornadoes, Pinellas and Polk Counties, FL -- 11
382. 1971 -- Feb 21, Tornado, Waverly, Madison Parish, LA -- 11
383. 1973 -- May 26, Tornado Outbreak, KS/MO -- 11
384. 1975 -- Jan 10, Tornado Outbreak (8), LA/MS/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 5, Tornado Outbreak, VA and MD -- 10
388. 1881 -- Apr 12, Tornado, F3, Tunica, Desoto Counties, MS -- 10
389. 1882 -- Apr 6, 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
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, Tornadoes, 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 -- April 07, Tornadoes (2), White/Cleburne, Van Buren Counties, AR -- 10
403. 1909 -- Feb 23, Tornadoes (3), AR -- 10
404. 1909 -- March 23, Tornado, Denton, TX -- 10

TORNADOES – Deadliest American -- By MORTALITY (Cont.)

405. 1909 -- June 10, Tornadoes, Jones and Haskell Counties, TX -- 10
406. 1915 -- May 7, Tornadoes, SC and MS -- 10
407. 1915 -- June 12, 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
413. 1919 -- Mar 5, 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 7, 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 Ct., AR & Dunklin/Pemiscot, Cts., MO -- 10
425. 1938 -- Mar 15, Tornado, F4, St. Clair County, IL -- 10
426. 1938 -- Mar 30, Tornado, Craig Ct., OK; Labette/Cherokee Counties, KS -- 10
427. 1940 -- Mar 12, Tornado, Harrison, TX; Caddo/Bossier, LA -- 10
428. 1948 -- Mar 25, Tornado, Hughes, McIntosh Counties, OK -- 10
429. 1948 -- Nov 05, Tornadoes, Madison, Tippah Counties, MS -- 10
430. 1949 -- Dec 11, Tornado Outbreak, AR, MO -- 10
431. 1957 -- Jan 22, Tornado, Sequoyah County (Gans), OK -- 10
432. 1957 -- Apr 2, Tornado, Dallas County, TX -- 10
433. 1964 -- Jan 24, Tornado, Harpersville, AL -- 10
434. 1971 -- Apr 27, Tornado Outbreak, KY -- 10
435. 1973 -- Mar 31, Tornado Outbreak, GA, SC -- 10
436. 1982 -- May 29, F4 Tornado, Marion, Williamson County, IL -- 10
437. 1989 -- Nov 16, Tornado, East Coldenham Elementary School, Newburgh, NY\textsuperscript{2871} -- 9-10
438. 2007 -- Mar 01, Tornado Outbreak (Prairie, Enterprise), AL -- 10
439. 2010 -- Apr 24, Tornado, Central MS (Choctaw, Holmes and Yazoo County deaths)-- 10
440. 2011 -- Apr 25, Severe Storms, Flash Floods, Tornadoes, Ark. -- 10

Notable Other Events fewer than ten lives lost:

1897 -- March 22, Tornado, School, Arlington, GA\textsuperscript{2872} -- 8

\textsuperscript{2871} 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Details</th>
<th>Fatalities</th>
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<tr>
<td>2009</td>
<td>Feb 10, Tornado, Lone Grove, OK</td>
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<td>1914</td>
<td>Aug 21, F3 Tornado, Luzerne County, PA</td>
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<td>1888</td>
<td>June 14, Tornado, Lexington, Sand Hollow, and Pine City, Morrow County, OR</td>
<td>3-6</td>
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<td>1972</td>
<td>April 5, Tornado, Vancouver, Washington</td>
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<td>1925</td>
<td>April 5, Tornado, Dade County, FL</td>
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</table>

*Included in the top-ten list of fatalities at schools hit by tornadoes includes just seven events wherein there were ten or more fatalities.*
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Death Count</th>
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<tr>
<td>1925</td>
<td>Mar 18</td>
<td>Tornado, Desoto, IL</td>
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<td>1925</td>
<td>Mar 18</td>
<td>Tornado, Murphysboro, IL</td>
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<td>1955</td>
<td>Feb 01</td>
<td>Tornado, Commerce Landing, MS</td>
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<td>1917</td>
<td>Jan 04</td>
<td>Tornado, Vireton, OK</td>
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<td>1926</td>
<td>Nov 09</td>
<td>Tornado, La Plata, MD</td>
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<td>1967</td>
<td>Apr 21</td>
<td>Tornado, Belvidere, IL</td>
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<td>1929</td>
<td>May 02</td>
<td>Tornado, Rye Cove School, Scott County, VA</td>
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<td>1989</td>
<td>Nov 16</td>
<td>Tornado, East Coldenham Elementary School, Newburgh, NY</td>
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<td>1865</td>
<td>Jun 28</td>
<td>Tornado, Viroqua, WI</td>
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<td>1897</td>
<td>Mar 22</td>
<td>Tornado, Arlington, GA</td>
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<tr>
<td>1918</td>
<td>Jan 11</td>
<td>Tornado, Dothan, AL</td>
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<td>2007</td>
<td>Mar 01</td>
<td>Tornado, Enterprise High School, Enterprise, AL</td>
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<td>1890</td>
<td>June 20</td>
<td>Tornado, Deacon Hunt School, near Paw Paw, IL</td>
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<tr>
<td>1924</td>
<td>Apr 30</td>
<td>Tornado, Steedman School (3) and Horrell county school (4), SC</td>
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<td>2013</td>
<td>May 20</td>
<td>Tornado, Plaza Towers School, Moore, OK (24 total fatalities)</td>
<td></td>
<td></td>
<td>7</td>
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</tbody>
</table>

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.

Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

There was an additional fatality not at the school.

There were three additional fatalities not at the school.

There were fifty-eight fatalities in all.

There were twenty-two fatalities in all.

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.

One teacher and 8 students. There were 22 fatalities in all. (Grazulis. *Significant Tornadoes*, 1993, p. 570.)

This is a subset of the 13 total fatalities for this tornado.

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.”)

Six students and one teacher. (Grazulis. *Significant Tornadoes*, 1993, p. 652.)

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.
1865 -- Jun 28, Tornado, Viroqua, WI

1890 -- June 20, Tornado, Deacon Hunt School, near Paw Paw, IL

1897 -- Mar 22, Tornado, Arlington, GA

1. 1917 -- Jan 04, Tornado, Vireton, OK

2. 1918 -- Jan 11, Tornado, Dothan, AL

3. 1924 -- Apr 30, Tornado, Steedman School (3) and Horrell county school (4), SC

4. 1925 -- Mar 18, Tornado, Desoto, IL

5. 1925 -- Mar 18, Tornado, Murphysboro, IL

6. 1926 -- Nov 09, Tornado, La Plata, MD

7. 1929 -- May 02, Tornado, Rye Cove School, Scott County, VA

8. 1955 -- Feb 01, Tornado, Commerce Landing, MS

9. 1967 -- Apr 21, Tornado, Belvidere, IL

10. 1989 -- Nov 16, Tornado, East Coldenham Elementary School, Newburgh, NY

2007 – Mar 01, Tornado, Enterprise High School, Enterprise, AL

2013 -- May 20, Tornado, Plaza Towers School, Moore, OK (24 total fatalities)

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.

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There was an additional fatality not at the school.

This is a subset of the 13 total fatalities for this tornado.

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Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

Subset of the Tri-State tornado outbreak which took upwards of 792 lives.

There were three additional fatalities not at the school.

There were twenty-two fatalities in all.

Subset of total of 23 fatalities due to this tornado.

There were fifty-eight fatalities in all.

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.

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.”)
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location Description</th>
<th>Casualty</th>
</tr>
</thead>
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<tr>
<td>1804</td>
<td>Apr 4</td>
<td>Tornadoes, Six Counties in GA, Edgefield County, SC</td>
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<td>1811</td>
<td>Sep 10</td>
<td>Tornado, Charleston County, SC</td>
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<td>1814</td>
<td>Jun 30</td>
<td>Tornado Sinks Schooner USS Alligator, Port Royal Sound, SC</td>
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<td>1818</td>
<td>Aug 15</td>
<td>Tornado, Stafford County, VA to Charles County, MD</td>
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<td>1834</td>
<td>May 5</td>
<td>Tornado Outbreak, VA and MD</td>
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<td>1840</td>
<td>May 07</td>
<td>Tornado, Natchez, MS; Concordia and LA Plantations</td>
<td>--317-586</td>
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<td>1846</td>
<td>May 07</td>
<td>Tornado, Grenada, MS</td>
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<td>1852</td>
<td>Apr 30</td>
<td>Tornado, New Harmony, IN</td>
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<td>1854</td>
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<td>1854</td>
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<td>1858</td>
<td>May 31</td>
<td>Tornado, Ellison, Warren County, IL</td>
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<td>1860</td>
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<td>May 05</td>
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<td>1872</td>
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<td>F5 Tornado, Greene, Boone Story, Marshall, Jasper, Poweshiek, IA</td>
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<td>1873</td>
<td>May 22</td>
<td>Tornadoes, KS, IA, IL</td>
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<td>1873</td>
<td>Jul 04</td>
<td>Tornado or Storm, Boats Capsize, Drownings, Green Lake, WI</td>
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<td>1874</td>
<td>Nov 22</td>
<td>Tornadoes, Colbert, Lauderdale, Shelby Counties, AL</td>
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<td>1875</td>
<td>Mar 20</td>
<td>SE Tornado Outbreak, especially GA, also AL, NC, SC</td>
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<td>1875</td>
<td>May 01</td>
<td>Tornadoes, AL, GA, SC</td>
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<td>1876</td>
<td>Jul 04</td>
<td>Tornadoes, Warren and Madison Counties, IA</td>
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<td>1878</td>
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<td>1878</td>
<td>May 23</td>
<td>Tornadoes, WI and Dane County, IA</td>
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<td>1878</td>
<td>Aug 09</td>
<td>Tornado, Wallingford, New Haven County, CT</td>
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2901 Cross-listed in Maritime
2902 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 2, Tornado Outbreak, IA, MN, WI -- 16

**TORNADOES – Deadliest American – CHRONOLOGICAL – Cont.**

31. 1880 -- April 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 -- April 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, Tornado Outbreak (3) 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
63. 1888 -- Feb 19, Tornado, F4, Mount Vernon, Jefferson County, IL -- 24-30
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1888</td>
<td>June 14</td>
<td>Tornado, Lexington, Sand Hollow, and Pine City, Morrow Co., OR</td>
<td>3-6</td>
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<tr>
<td>1888</td>
<td>Aug 21</td>
<td>Tornado, Kent County, MD</td>
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**TORNADOES – Deadliest American – CHRONOLOGICAL – Cont.**

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
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<tbody>
<tr>
<td>1890</td>
<td>Jan 12/13</td>
<td>Tornado/Storm, New Madrid Co., MO, Hickman Co., KY</td>
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<tr>
<td>1890</td>
<td>Mar 27</td>
<td>Tornadoes, MO-IL, IL, MO-KY, MO-IL, KY-IL-KY, TN, KY</td>
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<tr>
<td>1890</td>
<td>Jun 03</td>
<td>Tornado, Bradshaw, NE</td>
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<td>1890</td>
<td>Jun 20</td>
<td>Tornado, Lee and Dekalb Counties, IL</td>
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<td>1890</td>
<td>Aug 19</td>
<td>Tornadoes, Berks, Carbon, Luzerne, Susquehanna Counties, PA</td>
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<table>
<thead>
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<th>Year</th>
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<tr>
<td>1891</td>
<td>July 06</td>
<td>Tornado, West Baton Rouge/East Baton Rouge, LA</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1892</td>
<td>Mar 31</td>
<td>Tornadoes, Ottawa/Sumner/Sedgwick &amp; other Counties, KS</td>
<td>25</td>
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<tr>
<td>1892</td>
<td>May 27</td>
<td>Tornado, Barber, Harper, and Sumner Counties, KS</td>
<td>17</td>
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<td>1892</td>
<td>May 31</td>
<td>Tornado, Bell and Falls Counties, TX</td>
<td>10</td>
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<tr>
<td>1892</td>
<td>June 15</td>
<td>Tornado Outbreak, Multiple Counties, MN</td>
<td>40-50</td>
</tr>
<tr>
<td>1892</td>
<td>July 14</td>
<td>“Cyclone,” Springfield, OH</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
<th>Deaths</th>
</tr>
</thead>
<tbody>
<tr>
<td>1893</td>
<td>Mar 03</td>
<td>Tornado Outbreak, GA</td>
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<tr>
<td>1893</td>
<td>Mar 23</td>
<td>Clarke/Desoto MS; Richland, LA; Shelby/Weakley, TN</td>
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<tr>
<td>1893</td>
<td>Apr 11</td>
<td>Tornado, Dent and Crawford Counties, MO</td>
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<tr>
<td>1893</td>
<td>Apr 12</td>
<td>Tornado, Tunits and Desoto Counties, MS</td>
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<tr>
<td>1893</td>
<td>Apr 25</td>
<td>Cleveland, Grady, Logan, McClain, Payne Counties, OK</td>
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<tr>
<td>1893</td>
<td>Apr 28</td>
<td>Tornado, Eastland County, TX</td>
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<tr>
<td>1893</td>
<td>Jun 21</td>
<td>Tornado, Jefferson County, KS</td>
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<tr>
<td>1893</td>
<td>July 6</td>
<td>Tornado, Cherokee/Buena Vista/Pocahontas/Calhoun Counties, IA</td>
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<table>
<thead>
<tr>
<th>Year</th>
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<tbody>
<tr>
<td>1894</td>
<td>Mar 18</td>
<td>Tornadoes, Harrison and Nacogdoches Counties, TX</td>
<td>10-16</td>
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<tr>
<td>1894</td>
<td>Sep 21</td>
<td>Tornado Outbreak (5) IA/MN</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>1895</td>
<td>May 01</td>
<td>Tornado, Halstead, KS</td>
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<tr>
<td>1895</td>
<td>May 03</td>
<td>Tornado, Sioux, Lyon, Osceola, Madison Counties, IA</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Location</th>
<th>Deaths</th>
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<tbody>
<tr>
<td>1896</td>
<td>May 15</td>
<td>Sherman Texas Tornado</td>
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<td>1896</td>
<td>May 17</td>
<td>Tornado, Palmer, Kansas to Falls City, NE</td>
<td>25</td>
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<td>1896</td>
<td>May 24</td>
<td>Tornado, Des Moines/Valeria, IA</td>
<td>21</td>
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<td>1896</td>
<td>May 25</td>
<td>Tornado Outbreak, IL and MI</td>
<td>47</td>
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<tr>
<td>1896</td>
<td>May 27</td>
<td>Tornadoes IL and MO. Particularly St. Louis, MO</td>
<td>306</td>
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<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
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<th>Deaths</th>
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<tbody>
<tr>
<td>1897</td>
<td>May 22</td>
<td>Tornado, School, Arlington, GA</td>
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<tr>
<td>1897</td>
<td>May 30</td>
<td>Tornado, Lincoln County, OK</td>
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<tr>
<td>1898</td>
<td>Jan 11</td>
<td>Tornado, Fort Smith, Arkansas</td>
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2903 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.
<table>
<thead>
<tr>
<th>Date</th>
<th>Event描述</th>
<th>Casualties</th>
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<tbody>
<tr>
<td>1898-05-18</td>
<td>Tornadoes, IA, IL, WI</td>
<td>55</td>
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<tr>
<td>1898-07-04</td>
<td>Tornado/Squall, Hampton Beach, NH</td>
<td>9-12</td>
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<tr>
<td>1899-03-18</td>
<td>Tornadoes (3), AL</td>
<td>16</td>
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<tr>
<td>1899-04-27</td>
<td>Tornado, Kirksville and Newtown, MO</td>
<td>63</td>
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<tr>
<td>1899-06-12</td>
<td>Tornado New Richmond, St. Croix County, WI</td>
<td>119</td>
</tr>
<tr>
<td>1899-06-13</td>
<td>Tornado, Washington County, NE</td>
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<tr>
<td>1900-11-20</td>
<td>Tornado, MS, TN</td>
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<tr>
<td>1901-03-09</td>
<td>Tornado Outbreak (5), AR, TX</td>
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<tr>
<td>1901-04-25</td>
<td>Tornado, Jefferson Co. (Birmingham/Avondale/Irondale), AL</td>
<td>16-25</td>
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<tr>
<td>1901-06-21</td>
<td>Tornado Boyd County, NE</td>
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<tr>
<td>1902-05-18</td>
<td>TX Tornado Outbreak, esp. Goliad, TX</td>
<td>118</td>
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<tr>
<td>1903-02-17</td>
<td>Steamer Olive sunk, Tornado, Chowan River, Woodley’s Pier, NC</td>
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<tr>
<td>1903-04-23</td>
<td>Tornadoes (2), Leesburg, Hopewell, Summit, AL</td>
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<td>1903-05-24</td>
<td>Franklin, Kearney, Adams, Webster, Clay Counties, AL</td>
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<td>1903-06-25</td>
<td>Nodaway Co., MO; Polk/Monroe/Mahaska Counties, IA</td>
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<td>1903-06-01</td>
<td>Gainesville (includes former mill village New Holland), GA</td>
<td>98-113</td>
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<td>1903-07-17</td>
<td>Tornadoes, La Salle and Livingston Counties, IL</td>
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<td>1903-08-08</td>
<td>Tornadoes (3), MN-WI, WI, IL</td>
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<td>1904-01-22</td>
<td>Tornado, Hale-Tuscaloosa Counties (Moundville), AL</td>
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<td>1904-04-25</td>
<td>Tornadoes, TX, Indian Territory, AR, KS</td>
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<td>1905-03-20</td>
<td>Tornado, Chambers/Randolph Counties, AL; Heard County, GA</td>
<td>14-17</td>
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<td>1905-04-29</td>
<td>Severe Storm or Tornado, Laredo, TX</td>
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<td>1905-05-08</td>
<td>Tornado, McPherson and Saline Counties, KS</td>
<td>34</td>
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<td>1905-05-10</td>
<td>F5 Tornado, Lock hamlet &amp; esp. Snyder, Kiowa Co. &amp; area, OK</td>
<td>97-120</td>
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<tr>
<td>1905-07-05</td>
<td>Tornado, Montague Country, TX</td>
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<td>1906-03-02</td>
<td>Tornado, Meridian, Lauderdale County, MS</td>
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<td>1906-06-24</td>
<td>Tornado, Clay and Montague Counties, TX</td>
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<td>1907-04-05</td>
<td>West Feliciana/East Feliciana, LA</td>
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<td>1907-05-25</td>
<td>Mason, San Saba, Van Zandt, Rains Counties, TX</td>
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<td>1907-06-07</td>
<td>Tornadoes, New Minden and York, IL; Grayville, IN</td>
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<td>1907-07-03</td>
<td>Tornadoes, Jackson, Juneau, Monroe, Sauk Counties, WI</td>
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<td>1908-02-14</td>
<td>Tornadoes, Tyler, TX, and Mossville, Service and Soso, MS</td>
<td>8-14</td>
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<td>1908-04-23</td>
<td>Tornado Outbreak (18), AL, AR, GA, LA, MS, NE, TX</td>
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</table>

2004 Cross-listed in Maritime.
<table>
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<tr>
<th>Year</th>
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<th>Deaths</th>
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<tbody>
<tr>
<td>1908</td>
<td>May 13</td>
<td>Tornado Outbreak, Caddo, Bossier, &amp; 5 other Counties, LA</td>
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<td>1908</td>
<td>Jun 05</td>
<td>Tornado, Thayer and Fillmore Counties, NE</td>
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<td>1908</td>
<td>Nov 23</td>
<td>Tornado, Franklin County, AR</td>
<td>14</td>
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<tr>
<td>1909</td>
<td>Feb 05</td>
<td>Tornado Outbreak, AL, AR and MS</td>
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<tr>
<td>1909</td>
<td>Feb 23</td>
<td>Tornadoes (3), AR</td>
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<tr>
<td>1909</td>
<td>March 8</td>
<td>Tornadoes, AR</td>
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<td>1909</td>
<td>March 23</td>
<td>Tornado, Denton, TX</td>
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<td>Tornadoes, AL, AR, IL, MS, MO, TN</td>
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<td>Tornado Outbreak, GA</td>
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<td>May 29</td>
<td>Tornadoes (4), OK and ND</td>
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<td>May 30</td>
<td>Tornado, Brown County, TX</td>
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<td>1909</td>
<td>June 10</td>
<td>Tornadoes, Jones and Haskell Counties, TX</td>
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<tr>
<td>1909</td>
<td>Oct 14</td>
<td>Tornado Outbreak, esp. AL (11-21), AR (2), GA (1-2), TN (42-50)</td>
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<tr>
<td>1911</td>
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<td>Tornadoes (8), AR, KS, OK, OK-KS-MO</td>
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<td>1911</td>
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<td>Tornadoes (3), Mason, IL; Rock, WI; Shiawassee, MI</td>
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<td>Tornado Outbreak (2), Caddo/Bossier, Claiborne, LA</td>
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<tr>
<td>1912</td>
<td>Feb 25</td>
<td>Tornadoes, Lincoln/Jefferson/Arkansas, Lee Counties, AR</td>
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<tr>
<td>1912</td>
<td>Apr 20</td>
<td>Tornadoes (9), KS, OK, TX</td>
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<td>1913</td>
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<td>Tornado Outbreak, AL, AR, GA, LA, MS, TN, TX</td>
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<tr>
<td>1913</td>
<td>March 23</td>
<td>Easter Sunday Tornadoes, LA, MO, esp. Omaha, NE, IN, IA</td>
<td>--194-196</td>
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<td>May 14</td>
<td>Storm/Tornadoes, esp. Tamora, McCool Junction, Seward, NB</td>
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<td>1914</td>
<td>Aug 21</td>
<td>F3 Tornado, Luzerne County, PA</td>
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<tr>
<td>1914</td>
<td>Oct 09</td>
<td>Tornadoes (4), Elk, Wilson, Cherokee KS; Ottawa Co. OK</td>
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<tr>
<td>1915</td>
<td>May 06</td>
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<tr>
<td>1915</td>
<td>May 07</td>
<td>Tornadoes, SC and MS</td>
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<td>June 12</td>
<td>Alamance, Sauk Counties WI; Crawford County, IA</td>
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<tr>
<td>1915</td>
<td>July 07</td>
<td>Tornado Outbreak and Windstorms, OH/KY/IL/IN/MS</td>
<td>&gt;50</td>
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<td>1915</td>
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<td>Tornado, Pawnee and Barton Counties, KS</td>
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<td>1915</td>
<td>Dec 17</td>
<td>Tornado, Lauderdale and Kemper Counties, MS, Millport, AL</td>
<td>~10</td>
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<tr>
<td>1916</td>
<td>Mar 24</td>
<td>Tornadoes, Garvin, Murray and Pontotoc Counties, OK</td>
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<td>1916</td>
<td>Apr 19</td>
<td>Tornadoes, Bourbon Ct., KS; Six Counties in MO</td>
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<tr>
<td>Year</td>
<td>Date</td>
<td>Location Description</td>
<td>Tornadoes</td>
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<td>-----------------------------------------------</td>
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<tr>
<td>1916</td>
<td>May 20</td>
<td>Tornadoes (2), TX and TX-OK</td>
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<tr>
<td>1916</td>
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<td>Tornadoes (3), AR-MO, AR-TN, MO-IL, MS</td>
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<td>Tornado Hinds and Madison Counties, MS</td>
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<td>1916</td>
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<tr>
<td>1917</td>
<td>Jan 04</td>
<td>Tornado, Vireton, OK</td>
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</tr>
<tr>
<td>1917</td>
<td>Feb 23</td>
<td>Tornadoes, Hale, Perry, Elmore, Coosa, Clay Counties, AL</td>
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<tr>
<td>1917</td>
<td>Mar 11</td>
<td>Tornados, Henry and White Counties, IN, Cincinnati, OH</td>
<td>28-30</td>
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<tr>
<td>1917</td>
<td>Mar 23</td>
<td>Tornadoes, IL, Jefferson Co., KY, esp. New Albany, Floyd Co., IN</td>
<td>46</td>
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<td>1917</td>
<td>Mar 26-27</td>
<td>Tornadoes (2), Pike, Crenshaw, Hale Counties, AL</td>
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<tr>
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<td>May 25</td>
<td>Tornado, Sedgwick, Harvey, Marion Counties, KS</td>
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<tr>
<td>1917</td>
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<td>Tornado, 7 counties, especially Coles County (Mattoon), IL</td>
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<td>1917</td>
<td>May 27</td>
<td>Tornado, TN, KY</td>
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<td>Tornado, Miss., AR, TN</td>
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<td>Tornadoes (3), 12 counties, TN</td>
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<td>May 27-28</td>
<td>Tornado Outbreak (7), AL</td>
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<td>1917</td>
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<td>Brookings County SD / Lincoln, Lyon Counties, MN</td>
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242. 1927 -- March 18, Tornado, Carroll and Boone Counties, AR    --     24
243. 1927 -- April 12, Rock Springs TX Tornado    --     74
244. 1927 -- April 18, Tornado, Choctaw County, OK    --     10
245. 1927 -- April 19, Tornadoes, IL    --     21
246. 1927 -- May 7, 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 and County, MO, Madison County, IL    --     81

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
265. 1932 -- Mar 21, Tornadoes, LA2905    --     37
266. 1933 -- March 14, Tornado outbreak, esp. Nashville, Pruden, Kingsport area, TN    --45-52
267. 1933 -- Mar 30/31, Tornado outbreak/high winds, AL/2 AR/1 LA/11 MS/56 TX/18 -- 88
268. 1933 -- May 01, Tornadoes (2), Webster/Bienville/Claiborne, LA    --     34
269. 1933 -- May 05, Tornadoes, AL    --     25
270. 1933 -- May 05, Tornado, Anderson and Laurens Counties, SC    --     19
271. 1933 -- May 09, Tornado, Monroe/Cumberland/Adair/Russell, KY    --     36
272. 1933 -- May 10, Tornado, Overton/Pickett, TN    --     35
273. 1933 -- May 22, Tornadoes, OK, KS, NE, ND    --     16
274. 1935 -- Feb 08, Tornado, Leon and Houston Counties, TX    --     12
275. 1935 -- Apr 06, Tornado, Wilkinson/Amite, MS; St. Helena, LA    --     14
276. 1936 -- Jan 18, Tornadoes, AL (6 deaths), FL (7 deaths), GA (7 deaths)    --     20
277. 1936 -- Apr 02, Tornado, Crisp County (especially Cordele), GA    --     36
278. 1936 -- Apr 02, Tornado, Guilford County, NC    --     14

2905 GA subset of Southeast Tornado Outbreak, March 21, 1932, AL, GA, KY, MS, TN
279. 1936 -- Apr 05, Tornadoes, AL, AR, MS, TN -- 249
280. 1936 -- Apr 06, Tornadoes and Fires (esp. Cooper Pants Factory), Gainesville, GA

TORNADOES – Deadliest American -- CHRONOLOGICAL (Cont.)

281. 1938 -- Feb 17, Tornado, Cass, TX; Caddo, LA -- 21
282. 1938 -- Mar 15, Tornado, Greene Ct., AR & Dunklin/Pemiscot, Cts., MO -- 10
283. 1938 -- Mar 15, Tornado, F4, St. Clair County, IL -- 10
284. 1938 -- Mar 30, Tornado, IL -- 13
285. 1938 -- Mar 30, Tornado, Craig Ct., OK; Labette/Cherokee Counties, KS -- 10
286. 1938 -- Mar 30-31, Tornadoes, AR -- 11
287. 1938 -- Apr 07, Tornado, Near Aliceville, Pickens County, AL -- 11
288. 1938 -- Jun 10, Tornado, F5, Callahan County, TX -- 14
289. 1938 -- Sep 29, Tornado, Charleston County, SC -- 32
290. 1939 -- Apr 16, Tornadoes, Drew, Cleveland, Jefferson Counties, AR -- 32
291. 1940 -- Feb 10, Tornado, Dougherty County, GA -- 18
292. 1940 -- Mar 12, Tornado, Harrison, TX; Caddo/Bossier, LA -- 10
293. 1940 -- Apr 30, Tornadoes, AR, MO -- 11
294. 1941 -- Oct 26, Tornadoes, Yell, Pope and Ashley Counties, AR -- 19
295. 1942 -- Feb 06, Tornadoes, GA -- 13
296. 1942 -- Mar 16, Tornadoes, IL, KY, MS, TN, AL, IN -- 145
297. 1942 -- Apr 27, Tornadoes, Rogers, Mayes (Pryor), Counties OK -- 56
298. 1942 -- Apr 28, Tornado, F4, Foard County, TX -- 11
299. 1942 -- Apr 29, Tornado, Allen, Bourbon, Linn Counties, KS -- 15
300. 1942 -- May 02, Tornadoes (3), multiple counties, OK -- 26
301. 1942 -- June 12, Tornado, Oklahoma County, OK -- 35
302. 1942 -- Oct 29, Tornado, Carroll County, AR -- 29
303. 1944 -- Apr 10, Tornadoes, AR -- 39
304. 1944 -- Apr 16, Tornado, Franklin, Hart, Elbert, GA -- 23
305. 1944 -- Apr 16, Tornadoes, Anderson/Abbeyville/Newberry Counties, SC -- 18
306. 1944 -- Jun 17, Brown/Codington/Grant/Roberts, SD; Big Stone, MN -- 13
307. 1944 -- Jun 23, Appalachians Tornado Outbreak, WV (Shinnston), PA, MD, DE -- 154
308. 1945 -- Feb 12, Tornado Outbreak, AL/MS -- 43
309. 1945 -- Apr 12, Tornadoes, OK, AR, MO -- 128
310. 1946 -- Jan 04, Tornado Outbreak, TX -- 30
311. 1946 -- Jan 06, Tornado Outbreak, AR/MS -- 11
312. 1946 -- Aug 17, Tornado (F4), Blue Earth County, MN -- 11

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2906 Cross-listed in Fire-Structural. Approximately 40-70 people died in the Cooper Pants Factory fire.
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<th>Casualties</th>
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<td>Tornado Outbreak, MO/IL/KY/OH/PA/MD</td>
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349. 1957 -- May 21, Tornado Outbreak, MO
350. 1957 -- June 20, Supercell Thunderstorm, Tornadoes, Fargo, ND F5 (12), SD (1)
351. 1957 -- Nov 7, Tornado Outbreak, LA, MS, TX
352. 1957 -- Dec 18, Tornado, Jackson, Williamson, Franklin Counties, IL

TORNADOES – Deadliest American -- CHRONOLOGICAL (Cont.)

353. 1958 -- Feb 26, Tornado Outbreak, MS
354. 1958 -- June 04, Tornado Outbreak, WI
355. 1958 -- June 10, Tornado, El Dorado, Butler County, KS

356. 1959 -- Feb 10, Tornado, St. Louis City and County, MO
357. 1959 -- Sep 30, Hurricane Gracie Tornado, Ivy, Albemarle County VA

358. 1960 -- May 05, Tornado Outbreak, OK
359. 1961 -- May 05, Tornado, Leflore County, OK
360. 1962 -- Mar 31, Tornado, Milton, Santa Rosa County, FL
361. 1963 -- Apr 29, Tornadoes, MO, MS, TN
362. 1964 -- Jan 24, Tornado, Harpersville, AL
363. 1964 -- May 8, Tornado, Macomb, MI
364. 1964 -- Oct 03, Tornado (Spawned by Hilda), Larose, Lafourche Parish, LA
365. 1965 -- April 11, Storms/Palm Sunday Tornado outbreak, IL/IN/IA/MI/OH/WI
366. 1965 -- May 06, Tornado Outbreak (8), TX, OK, MN, OH
367. 1966 -- Mar 03, Tornado, Hinds and Kemper Counties, MS
368. 1966 -- Apr 04, Tornadoes, Pinellas and Polk Counties, FL
369. 1966 -- June 8, Tornado, Topeka, Shawnee, KS
370. 1967 -- Apr 21, Tornadoes, Northern IL
371. 1967 -- Apr 30, Tornado Outbreak, Freeborn/Waseca/Steele, MN
372. 1968 -- Apr 03, Tornado Outbreak, AR, KY, TN, OK, MO
373. 1968 -- Apr 19, F4 Tornado, Sebastian Country, AR
374. 1968 -- Apr 23, Tornado Outbreak, OH, MI, TN, KY
375. 1968 -- May 15, Tornado Outbreak, AR, IA, IL, IN, KS, OH, MO
376. 1968 -- May 15, Tornado, Franklin/Butler/Floyd/Chickasaw/Howard Counties, IA
377. 1969 -- Jan 23, Tornado Outbreak, Central MS
378. 1969 -- Apr 06, Tornado Outbreak, MN
379. 1970 -- Apr 18, Tornado, Swisher/Briscoe/Armstrong/Donley/Gray, TX
380. 1970 -- May 11, F5 Tornado, Lubbock, TX
381. 1971 -- Feb 21, Tornadoes, Mississippi Delta, MS
382. 1971 -- Feb 21, Tornado, Waverly, Madison Parish, LA
383. 1971 -- Apr 27, Tornado Outbreak, KY
384. 1971 -- April 5, Tornado, Vancouver, Washington
385. 1973 -- Mar 31, Tornado Outbreak, GA, SC
386. 1973 -- May 26, Tornado Outbreak, KS/MO

2907 Cross-listed in Hurricanes
2908 Also included in Hurricane Hilda fatality count of 42.
387. 1974 -- Jun 08, Tornado, Payne, Creek, Pawnee, Osage Counties, OK -- 14
388. 1975 -- Jan 10, Tornado Outbreak (8), LA/MS/AL -- 11
389. 1977 -- Apr 04, Tornado, Jefferson County AL -- 22
390. 1978 -- June 17, Tornado Outbreak, Whippoorwill capsized, Pomona Lake, KS -- 16
391. 1979 -- Apr 10, Tornadoes, Red River Valley (esp. Wichita Falls, TX), OK/TX --56-57

TORNADOES – Deadliest American -- CHRONOLOGICAL (Cont.)

392. 1982 -- April 2, Tornadoes, 7 counties, esp. Faulkner and Hempstead Co’s., AR --14-15
393. 1982 -- April 2, Tornado, Lamar, Red River Counties, TX -- 10
394. 1982 -- May 29, F4 Tornado, Marion, Williamson County, IL -- 10
395. 1984 -- April 21, MS (15-16) & TN Tornadoes esp. Water Valley and Philipp, MS --15-16
396. 1984 -- April 26, Tornado Outbreak, IA, MN (1), KS, and especially OK (11) -- 12
397. 1984 -- June 7, Tornado outbreak, especially WI (9 deaths), IA (3) and MO (1 death) -- 13
398. 1985 -- May 31, Tornado, OH (11 fatalities) and PA (65-67 fatalities) --76-78
399. 1987 -- May 22, Tornado, Saragosa, Reeves County, TX -- 30
400. 1987 -- Nov 15, Tornadoes, TX (10 deaths) and LA (1) -- 11
401. 1989 -- Nov 15, Tornado, Madison County, AL -- 21
402. 1989 -- Nov 16, Tornado, East Coldenham Elementary School, Newburgh, NY -- 9-10

403. 1990 -- Aug 28, F5 Tornado, Kendall and Will Counties (especially Plainfield), IL -- 29
404. 1991 -- April 26, Tornadoes, KS (18 deaths); OK (4 deaths), esp. Andover area, KS -- 22
405. 1992 -- Nov 21-23, Tornado Outbreak, GA/6 KY/1 MS/15 NC/2 SC/1 TN/1 -- 26
406. 1994 -- March 27, Tornado, St. Clair, Calhoun, Cherokee Counties, AL -- 22
407. 1997 -- March 1, Tornadoes; especially AR (27 deaths) MS (1 death) and TN (1) -- 29
408. 1997 -- May 27, Tornadoes, Jarrell (Williamson Co.); Lakeway (Travis Co.) TX --28-29
409. 1998 -- Feb 22-23, Tornadoes, Orange, Osceola, Seminole, Volusia Counties, FL -- 42
410. 1998 -- March 20, Tornado, Hall (Gainesville Area) and White Counties, GA -- 12
411. 1998 -- April 8, Tornadoes, Oak Grove, Moody Counties, Birmingham, AL -- 34
412. 1999 -- May 3, Tornadoes (74; 58 in OK); KS (6 deaths) & especially OK (45) --51-55

413. 2000 -- Feb 13-14, Georgia Tornadoes, esp. Camilla, Mitchell County, GA -- 19
414. 2000 -- Dec 16, Tornadoes, Geneva (1 fatality) and Tuscaloosa (11 deaths), AL -- 12
415. 2002 -- Nov 10, Tornado Outbreak, AL (12) MS (1) OH (5) PA (1) TN (15) -- 34
416. 2003 -- May 4, Tornadoes, SE KS (8) MO (19) TN (11) esp. Denmark area -- 38
417. 2005 -- Nov 6, Tornado, Eastbrook Mobile Homes, Evansville & Warrick Co., IN --24-25

2909 Cross-listed in Maritime.
2910 Fifteenth fatality was indirect – policeman killed at a roadblock leading to damaged area in Faulkner County.
2911 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.
2912 Includes one indirect electrocution death in Pulaski County, AR, on March 2, during clean-up; male, 35.
2913 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.
2914 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.
418. 2006 -- Apr 2, Tornadoes, high-wind Storms, AR, IL, IN, MO, esp. NW TN --29-30
419. 2007 -- Feb 2, Tornadoes, Lady Lake and Lake Mack, Lake County, Central FL -- 21
420. 2007 -- March 1, Tornado Outbreak (Prairie, Enterprise), AL -- 10
421. 2007 -- May 4, Tornado outbreak, Greensburg (11), Hopewell (1), Macksville (1), KS-- 13
422. 2008 -- Feb 5-6, “Super Tuesday” Tornado Outbreak, AL, AR, KY, TN --62-63
423. 2008 -- May 10, Tornadoes, Northeast OK and Southwest MO -- 21
424. 2009 -- Feb 10, Tornado, Lone Grove, OK -- 8

**TORNADOES – Deadliest American -- CHRONOLOGICAL (Cont.)**

425. 2010 -- Apr 24, Tornado, Central MS (Choctaw, Holmes and Yazoo County deaths)-- 10
426. 2011 -- Apr 14-16, Storms, wind, tornadoes, flash flood, AL, AR., MS, NC, OK, VA^2915 46
427. 2011 -- Apr 25, Severe Storms, Flash Floods, Tornadoes, Ark. -- 10
428. 2011 -- Apr 27, Tornadoes, Storms, Flash Floods, AL, AR, MS, TN, GA, VA, KY 341-350
429. 2011 -- May 22, Tornado, Joplin, MO --159-163
430. 2011 -- May 24, Tornadoes, OK, KS, Ark -- 17
431. 2012 -- Feb 30, Severe Weather, Tornadoes, Harrisburg, IL, KS, KY, MO, NE, TN -- 12
432. 2012 -- Mar 02, Tornadoes, Midwest and South, esp. AL, GA, IN, KY, OH, TN -- 39
433. 2013 -- May 20, Tornado, Moore, OK -- 24
434. 2013 -- May 31, Tornadoes, flooding, Oklahoma City region, Central OK^2916 -- 20
435. 2014 -- Apr 27-28, Tornadoes, AR, OK, IA, AL, MS, TN, especially AR and MS -- 37
436. 2015 -- Dec 23, Tornadoes, AR (1 death) MS (10 deaths) and TN (6 deaths) -- 17
437. 2015 -- Dec 26, Tornadoes, north TX, Blue Ridge, Copeville, and esp. Garland, TX -- 11
438. 2017 -- Jan 21 (MS/4) and Jan 22 (GA/16-17) Tornadoes and High Wind (FL/1)^2917 --21-22
439. 2019 -- March 3, Tornadoes, esp. EF-4 Lee County (including Beauregard), AL -- 23

^2915 Cross-listed in Wind Storms – there were deaths due to winds knocking trees down on cars and dwellings, tornadoes, and flash flooding (2).
^2916 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.
^2917 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, Alaska Earthquake/Tsunami, AK, CA, HI -- 165
2. 1964 -- March 28, AK Tsunami, Gulf of Alaska, AK -- 106
3. 1960 -- May 23, Great Chilean (Valdivia) Earthquake, Tsunami, Hilo, Hawaii -- 61
4. 1868 -- April 2, 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 7, Tsunami, Islands of Maui and Hawaii, HI -- 15-16
7. 1964 -- March 28, Tsunamis, ~Newport, OR (4), Crescent City (11), Requa (1), CA -- 16

Other:
1. 1942 -- Lake Erie Large Wave, Cleveland -- 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, August 11 -- 5
5. 1958 -- Southeastern Alaska Tsunami, July 10 -- 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
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 -- April 2, 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 -- April 1, Aleutian Islands, Alaska Earthquake/Tsunami, AK, CA, HI -- 165
   -- Alaska only, Aleutian Islands, Alaska Earthquake/Tsunami -- 5
   -- CA only, Aleutian Islands, Alaska Earthquake/Tsunami -- 1
   1958 -- Southeastern Alaska Tsunami, July 10 -- 5
4. 1960 -- May 23, Great Chilean (Valdivia) Earthquake, Tsunami, Hilo, Hawaii -- 61
5. 1964 -- March 28, AK Tsunami, Gulf of Alaska, AK -- 106
6. 1964 -- March 28, Tsunamis, ~Newport, OR (4), Crescent City (11), Requa (1), CA -- 16
7. 2009 -- Sep 29, Tsunami, magnitude 8.0 earthquake 120M offshore, American Samoa-- 34
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>1540</td>
<td>Oct 18, Spanish (de Soto) battle/massacre, with Atahachi, Mabila, AL</td>
<td>--2,500-6,000</td>
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<tr>
<td>1838</td>
<td>May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK</td>
<td>~4,000</td>
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<tr>
<td>2001</td>
<td>Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA</td>
<td>--3,064</td>
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<tr>
<td></td>
<td>--Sep 11, World Trade Center, American 11 and United 175, NY</td>
<td>--2,830</td>
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<tr>
<td></td>
<td>--Sep 11, American Airlines hits Pentagon, Arlington, VA</td>
<td>--189</td>
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<tr>
<td></td>
<td>--Sep 11, United Airlines N591UA Crash Shanksville, PA</td>
<td>--45</td>
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<tr>
<td>1941</td>
<td>Dec 7, Attack by Japanese on Pearl Harbor, HI</td>
<td>--2,402</td>
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<tr>
<td>1675</td>
<td>Dec 19, English Colonists Massacre Narragansetts, Great Swamp, RI</td>
<td>--365-1,100</td>
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<tr>
<td>1978</td>
<td>Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana</td>
<td>~918</td>
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<tr>
<td>1599</td>
<td>Spanish (Oñate) Massacre Acoma Natives, punitive expedition, NM</td>
<td>--300-800</td>
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<tr>
<td>1637</td>
<td>May 26, Mystic Massacre, Eng. Colonists Attack Pequot Vil., Mystic River CT</td>
<td>--700</td>
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<tr>
<td>1644</td>
<td>Feb, Massacre, Dutch attack Siwanoys, Petuquapaen, ~Cos Cob, CT</td>
<td>--500-700</td>
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<tr>
<td>1862</td>
<td>Aug 17-Sep, Violence, Sioux “Insurrection,” Litchfield, elsewhere, MN</td>
<td>--300-650</td>
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<td>1903</td>
<td>Dec 30, Trampling, Suffocation, Iroquois Theater Fire, Chicago, IL</td>
<td>602</td>
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<tr>
<td>1853</td>
<td>Burnt Ranch Massacre, Settlers kill Tolowa, Yontocket, Smith Riv., No. CA</td>
<td>450-600</td>
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<tr>
<td>1813</td>
<td>Aug 30, Creeks Massacre militia/settlers, Fort Mims, Baldwin Co., AL</td>
<td>--250-517</td>
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<tr>
<td>1864</td>
<td>July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA</td>
<td>~500</td>
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<tr>
<td>1864</td>
<td>Sep, General massacre of Yana Natives, Northern CA</td>
<td>--335-500</td>
</tr>
<tr>
<td>1942</td>
<td>Nov 28, Fire/trampling/suffocation, Coconut Grove nightclub, Boston, MA</td>
<td>--498</td>
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<tr>
<td>1644</td>
<td>Apr 18, Native Massacre of English Colonists along James River, VA</td>
<td>--300-400</td>
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<tr>
<td>1859</td>
<td>Late Mar-mid Apr, Whites kill Natives, Round Valley, Mendocino Co., CA</td>
<td>--300-400</td>
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<tr>
<td>1864</td>
<td>Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC</td>
<td>--300-400</td>
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<tr>
<td>1863</td>
<td>Jan 29, Massacre, Shoshoni Village attacked, Bear River, Utah Territory</td>
<td>--384</td>
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<tr>
<td>1763</td>
<td>Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK</td>
<td>&gt;375</td>
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<tr>
<td>1890</td>
<td>Massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD</td>
<td>350</td>
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<tr>
<td>1622</td>
<td>Mar 22, Jamestown Massacre, Natives Attack, Jamestown Colony, VA</td>
<td>347</td>
</tr>
<tr>
<td>1836</td>
<td>Mar 27, Mexican Pres. Santa Anna orders execution of TX prisoners, Goliad, TX</td>
<td>342</td>
</tr>
</tbody>
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2918 We use Hofstadter’s definition: “Acts of violence…are those which kill or injure persons or do significant damaged 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.)

2919 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.

2920 The four planes involved are each cross-listed in Aviation.

2921 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.

2922 In dispute – some place the massacre in Westchester County, NY (Dinan. “Historians Sift Clues…” Greenwich Time, 3-5-2006.)

2923 Cross-listed in Fire-Structural.

2924 Cross-listed in Fire-Structural.
VIOLENCE – Deadliest American – By MORTALITY (continued)

25. 1676 -- May 19, Eng. Colonists massacre Peskeomskut Natives, Turners Falls, MA --200-300
26. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscaroras, Craven Co. NC--300
27. 1729 -- Nov 28, Ft. Rosalie Massacre, French Colonists by Natives, Natchez MS --200-300
28. 1771 -- May 16, “Regulators” Uprising, NC -- 300
29. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscaroras, Craven Co. NC --200-300
30. 1813 -- Nov 3, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek Vil., AL -- 300
31. 1863 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300
32. 1876 -- Dec 05, Fire, Trampling, Suffocation, Conway Theater, Brooklyn, NY 2925 --284-300
33. 1863 -- Aug 21, Atrocity/War Crime, Quantrell’s Raiders, Lawrence, KS -- 191
34. 1874 -- Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR -- >200
35. 1851 -- Massacre, White Miners Burn Wintu Council House, Old Shasta, CA -- 300
36. 1813 -- Nov 3, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek Vil., AL -- 300
37. 1859 -- May, Whites Massacre Yuki Natives, Round Valley, Mendocino County, CA -- 240
38. 1850 -- May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA --60-200
39. 1846 -- Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA -- >175
40. 1870 -- Jan 23, Massacre, Marias Riv. Piegan Tribe attacked by 2nd Cav., MT Territory -- >200
41. 1864 -- Apr 12/13, Massacre, Confederates kill captives, esp. Black, Fort Pillow, TN --~300
42. 1757 -- Aug, Natives Massacre garrison after surrender, Fort William Henry, NY --~184
43. 1840 -- April 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
44. 1888 -- Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland--2926 (189 U.S.) 270
45. 1883 -- Oct 23, Terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon -- 241
46. 1917 -- July 1-3, especially July 2, East St. Louis anti-Black Race Riots, IL --48-200
47. 1908 -- Mar 04, Fire/Trampling/Suffocation, Lakeview Sch., Collinwood, OH 2928 --172-178
49. 1921 -- May 31-Jun 1, Race Riot, Whites attack Blacks, Greenwood area, Tulsa, OK--38-200
50. 1865 -- May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA --60-200
51. 1957 -- March 1, Massacre, Atascosa Natives, Texas --191
53. 1863 -- Aug 21, Atrocity/War Crime, Quantrell’s Raiders, Lawrence, KS -- 191
54. 1917 -- July 1-3, especially July 2, East St. Louis anti-Black Race Riots, IL --48-200
55. 1908 -- Mar 04, Fire/Trampling/Suffocation, Lakeview Sch., Collinwood, OH 2928 --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, PA 2929 --169-175
58. 1784 -- Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK -- >200
59. 1874 -- Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR -- >200
60. 1800 -- Feb 01, U.S. Frigate Constellation engagement with French La Vengeance 2931 -- 160

2925 Cross-listed in Fire-Structural
2926 Sub-listed in Terrorism and cross-listed in Aviation.
2927 Cross-listed in Aviation.
2928 Cross-listed in Fire-Structural
2929 Cross-listed in Fire-Structural
2930 Cross-listed in Explosions and in Fire-Structural.
2931 Cross-listed in Maritime
61. 1852 -- Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA -- 140-153
62. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK -- ≤150
63. 1833 -- Early Sum., Cutthroat Gap Massacre, Osage attack Kiowa, ~Saddle Mt., OK -- ~150
64. 1857 -- Sep 03, Massacre, Col Harney Attacks Sioux Camp, Bluewater Creek, NE -- 150
65. 1862 -- Oct 24, Massacre of Tonkawa by pro-Union Natives near Anadarko, OK -- 136-150
66. 1864 -- Apr 25, Rebels murder runaway slaves with Union force, Marks’ Mills, AR -- 100-150
67. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO -- 130-150
68. 1866 -- May 19-21, Massacres of Chinese Miners by Natives, Battle Creek vic., OR -- 50-150
69. 1871 -- Apr 30, Massacre of Apaches, Camp Grant Arivaipa, Arizona Territory -- 125-150
70. 1850 -- “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA -- 145
71. 1565 -- Sep 20, Massacre, Spanish troops kill male French colonists, Ft. Caroline, FL -- 140
72. 1711 -- Sep 22, Tuscarora Massacre of White Settlers, Bath County, NC -- >130-140
73. 1840 -- Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX -- 110-140
74. 1857 -- Sep 11, Mt. Meadows Massacre, Mormons/Paiutes attack Wagon Train, UT -- 120-140
75. 1676 -- Jul 02, Massacre, Eng. Colonists attack Narragansett camp --Providence, RI -- 100-126
76. 1644 -- Early (Jan?), Massacre, Dutch and English attack Mespath (Long Island, NY) -- 120
77. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY -- 105--120
78. 1902 -- Sep 20, Panic/Stampede, Shiloh Baptist Church Birmingham, AL -- 115
79. 1841 -- Oct 31, Attack, USS Reuben James Sunk, German Submarine, near Iceland -- 115
80. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana -- 67-105
81. 1868 -- Nov 27, “Battle” of the Washita, Custer attacks Cheyenne village, OK -- 103
82. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
83. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA -- 100
84. 1863 -- July 11-17, New York Draft Riots, NY -- 100
85. 1824 -- Aug 23, Massacre, colonial militia attack Abenaki village, Norridgewock, ME -- 80-100
86. 1790 -- Jan late, Olowalu Massacre, Cpt. Metcalfe, Eleanor, fires on Native canoes, Maui -- 100
87. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA -- 30--100
88. 1863 -- July 11-17, New York Draft Riots, NY -- 100
89. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory -- 100
90. 1876 -- Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken & Barnwell Co.’s, SC -- 25-100
91. 1877 -- Jul 20-26, Great Railroad Strike, Clash with Police/Mil., MD/IL/PA -- 92-100
92. 2003 -- Feb 20, Fire, Trampling, Station Nightclub, West Warwick, RI -- 100
93. 1812 -- Aug 15, Pottawatomie Massacre of Soldiers/Homesteaders, Fort Dearborn, IL -- ~98
94. 1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico -- 97

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2932 Today’s Jacksonville.
2933 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.)
2934 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.
2935 These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.
2936 Cross-listed in Fire-Structural
2937 Cross-listed in Fire-Structural and in Violence subsection of Mass Murder.
96. 1782 -- Mar 08, Massacre of noncombatant Indians by PA militia, Gnadenhutten, OH -- 96

97. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY2938 -- 87
98. 1637 -- Massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80

99. 1675--Sep 18-19,2939 Bloody Brook Massacre, Natives attack wagon train, S. Deerfield, MA-59-76
100. 1692 -- Jan 25, Massacre, French and Indians attack English colony, York, ME ---50-75
101. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA-- >75
102. 1864 -- Feb 20, Atrocity, Confederates kill wounded black US soldiers, Olustee, FL--25-75
103. 1913 -- Dec 24, Crushing/Trampling Italian Hall Disaster, Calumet, MI --73-75
104. 1993 -- April 19, FBI/ATF attack Branch Davidian Compound/fire ~Waco, TX2940 -- 75
105. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA-- 72
106. 1855 -- Sep, “Cpt.” Jarboe force Massacres Achomawi Natives, Pit River village, CA-- >70
107. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70
108. 1873 -- Aug 5, Dakota/Sioux war party attack Pawnee camp, Massacre Canyon, NE-- ~70

109. 1704 -- Feb 29, Massacre, French and Native allies attack Deerfield, MA2941 -- 68
111. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA-55-65
112. 1983 -- Apr 18, Terrorism, US Embassy suicide bombing, Beirut, Lebanon --17 US of 63
113. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA--62
114. 1703 -- Aug 10, French & Indians attack So. coastal ME, esp. greater Portland vic. -- >61
115. 1813 -- Nov 18, Hillabee Massacre, US Troops attack Creek Vil. suing for peace, AL-- 61
116. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME -- 60
117. 1832 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI-- < 60
118. 1853--Fall, White/Chinese retaliatory attack re. Natives, Feather Riv., Butte Co., CA-40-60
119. 1871 -- Boyne Day Parade and Religious “Orange Riot,” NYC, July 12 -- < 60

120. 2017 -- Oct 1, Shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV2942 --58-59
121. 1875 -- Sep 4-6, Racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS --37-57
122. 1884 -- Mar 28-30, Hamilton County Courthouse Riots, Cincinnati, OH --45-56
123. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC ~32--54
124. 1992 -- April 29-May 4, Riots following Rodney King Verdict, Los Angeles, CA --53-54
125. 1741 -- Mar, Alleged Slave Uprising, Blacks Burned and Hanged, NYC, NY --33-52
126. 1778 -- May 30, Violence, Loyalists and Indians attack Cobus Kill Settlement, NY -- ~52
127. 1868 -- Jul 15, Political/Racial Riot, Millican, TX -- 6-55
128. 1541/42 Winter, Coronado’s Expeditionaries burn-at-stake Tiwa Natives, NM2943 --40-50
129. 1676--Jun 12, Mohawks massacre Native camp whose men were attacking Hadley, MA-50

2938 Cross-listed in Fire-Structural
2939 Both dates are used, apparently depending on whether old style or new style dating is applied.
2940 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.
2941 Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, 20 captives.
2942 Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.
2943 Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”
130. 1851 -- Jan 11, Whites attack Natives, Mt. ~No. Fork, San Joaquin Ri., Mariposa Co., CA-23-50
131. 1874 -- Dec 07, Violence-Massacre, Whites attack Blacks, Vicksburg, MS -- 50
132. 1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux LA\textsuperscript{2944}--30->50
133. 1921 -- Aug 27-Sep 3, Battle of Blair Mt., Miners vs. Operators, Logan Co., WV --16->50
134. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL --2945

VIOLENCE – Master Set -- Deadliest American – By MORTALITY -- Cont.

135. 1859 -- Late Aug,\textsuperscript{2946} McElroy party massacres Natives Roff’s Ranch, Pitt Ri. vic., CA->49
136. 1778 -- Nov 11, Massacre, women/children, Loyalist/Seneca Force, Cherry Valley NY-- 48
137. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN\textsuperscript{2947}--46-48
138. 1927 -- May 18, Dynamite Bombing, Bath Township Consolidated School, MI\textsuperscript{2948} -- 46
139. 1921 -- Aug 27-Sep 3, Battle of Blair Mt., Miners vs. Operators, Logan Co., WV --16->50
140. 1968 -- Apr 4-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC, --42-46
141. 1962 -- May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO\textsuperscript{2949}-- 45
142. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO\textsuperscript{2950}-- 44
143. 1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA --38-48
144. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mexico\textsuperscript{2951}-- 42
145. 1967 -- July 23-26, Detroit Race Riots, Army, Mich. NG, Detroit & State Police, MI-- 43
146. 1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40

There were unconfirmed reports of up to 300 fatalities.

\textsuperscript{2944} Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50.
\textsuperscript{2945} Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.
\textsuperscript{2946} Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire.
\textsuperscript{2947} 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 2\textsuperscript{nd} grader Richard Fritz died of “lingering injuries.” Cross-listed in Violence subsets of Bombings and School Shootings/Bombings.
\textsuperscript{2948} Cross-listed in Aviation.
\textsuperscript{2949} Cross-listed in Aviation.
\textsuperscript{2950} Cross-listed in Aviation. Presumed explosion thought to be for collection of insurance.
\textsuperscript{2951} Cross-listed in Aviation.
\textsuperscript{2952} Cross-listed in Aviation.
\textsuperscript{2953} Cross-listed in Aviation.
\textsuperscript{2954} Cross-listed in Aviation.
\textsuperscript{2955} Cross-listed in Violence-Revolt/Riots.
\textsuperscript{2956} Cross-listed in Fire-Structural and in Violence subset of Arson.
159. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA-30-40
160. 1854 -- May 15~, Asbill party kill Yukis, Round Valley, Mendocino County, CA --32--40
161. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA-->40
162. 1857 -- Mar 8-9, Massacre, Wahpetuke Dakota (Sioux) attack Spirit Lake IA --35-40
163. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
164. 1859 -- Summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA--40
165. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK--40
166. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA--40
167. 1879 -- Oct 11-19, Apache Massacre settlers, CO and NM --21-40
168. 1906 -- Sep 22-26, Race Rioting, Atlanta, GA --25-40

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

169. 1860 -- Fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR-- 39
170. 1861 --Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA-13-39
172. 1997 -- ~March 23, Mass Suicide, Heaven’s Gate Cult, Rancho Santa Fe, CA -- 39
173. 1874 -- Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA-27-38
174. 1919 -- July 27-31 (dates of major rioting and deaths), Race Riots, Chicago, IL -- 38
175. 1920 -- Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY--30-38
176. 1987 -- May 17, USS Stark hit by Iraqi Air Force Mirage missiles, Persian Gulf-- 37
177. 1676 -- Feb 10, Massacre, Nipmuc Natives attack Lancaster, MA --34-35
178. 1800 -- Aug 30, Gabriel’s Rebellion/Slave Uprising/Mass Hanging, Richmond, VA -- 35
179. 1863 -- Apr 19, Keysville Massacre, US Army attacks Natives, near Keysville, CA -- 35
180. 1882 -- June, Slave Insurrection Conspiracy Charge, Executions, Charleston, SC -- 35
181. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR-- 31-34
182. 1943 -- June 20-22, Detroit Racial Rioting, MI -- 34
183. 1960 -- Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC2959 -- 34
184. 1965 -- Aug 11-17, Watts Race Riots, Los Angeles, CA -- 34
185. 1967 -- June 8, Attack, USS Liberty by Israeli Air and Naval Craft, near Sinai Penn.-- 34
186. 1950 -- Oct 29-Nov 6, Independence uprisings multiple locations, Puerto Rico -- ~33
187. 1980 -- Feb 2-3, NM State Penitentiary Uprising/Inmate Killings, ~Santa Fe, NM -- >33
188. 2007 -- Apr 16, Virginia Tech Shootings, Blacksburg, VA --296132-33
189. 1632 – Nov, Massacre at Fort Zwaanendael (Lewes), first Dutch Del. Colony -- 32
190. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA --20-32
191. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA--32
192. 1973 -- June 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA2962 -- 32
193. 1856 -- Feb 22/23, Natives attack garrison & settlers, Rogue River, Whaleshead, OR-- 31
194. 1877 -- Jul 10, Chief Joseph’s Nez Perce Massacre Chinese, Clearwater River, ID --30-31
195. 1969 -- Apr 14, Attack, Navy EC-121M Shot Down by North Korea, Sea of Japan2963 -- 31

2957 Cross-listed in Violence-Bombing, violence Mass Murder and in Violence-Terrorism. 
2958 Cross-listed in Maritime. 
2959 Cross-listed under Aviation. 
2960 Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6. 
2961 Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter. 
2962 Cross-listed in Fires-Structural and in Violence subset of Mass Murder. 
2963 Cross-listed in Aviation.
196. 1690 -- March 18, Massacre, French & Indians attack settlers, Salmon Falls, NH

197. 1690 -- March 18, Massacre, French & Indians attack settlers, Salmon Falls, NH

198. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga NY

199. 1849 -- May 10, Astor Place Opera House Riot & Government Response, NYC

200. 1851 -- Jun, Battle Rock battle, Pacific Mail men kill natives with cannon, Port Orford, OR

201. 1852 -- July 03, Harvey party attacks Yokut village, Kings River rancheria, CA

202. 1859 -- Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA

203. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO

204. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA

205. 1918 -- Oct 04, Attack, Steamer San Sabo hits mine, 15 miles SW of Barnegat, NJ

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

206. 1861 -- May 10, Camp Jackson Affair, Union German unit kills Civilians, St Louis, MO

207. 1862--Aug 10, Rebel cav. attacks fleeing Germans, Nueces River, Kenney Co., TX

208. 1865-Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY

209. 1877 -- Jun 14-15, Nez Perce attack settlers on and near Salmon River, no. ID

210. 1885 -- Sep 2, Labor/Racial Violence/Massacre, Chinese Miners, Rock Springs WY

211. 1910 -- July 29-30, Racial Rioting, Whites attack Blacks, Slocum, TX and vicinity

212. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA

213. 1970 -- Dec 20, Mass Murder, Arson Fire, Pioneer International Hotel Tucson, AZ

214. 2012 -- Dec 14, Mass Shooting, Sandy Hook Elementary School, Newtown, CT

215. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA

216. 1859 -- Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA

217. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO

218. 1895 -- Dec 27, Fire Panic, Trampling, Front St. Theater, Baltimore, MD

219. 1697 -- Sep 11, Massacre, Natives attack Lancaster, MA

220. 1854 -- Feb 15, Miller group massacres Chetco River Natives ~river mouth, SW OR

221. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA

222. 1898 -- Nov 10, Racial and Political (local coup d’état) Violence, Wilmington, NC

223. 1911 -- Aug 26, Trampling/Suffocation, Opera House, Canonsburg, PA

224. 1967 -- July 12-17 (esp. 13th), Police Violence and Racial Rioting, Newark, NJ

225. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson), Harrison, NY

2964 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.

2965 Cross-listed in Maritime.

2966 The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

2967 A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without controversy.

2968 Cross-listed under Violence-Racial.

2969 Cross-listed in Explosions and in Fires/Structural – approximately half of the fatalities were due to crushing.

2970 Cross-listed under “Fire – Structural.”

2971 Shooter killed 27 – 20 children and 6 adults at the school, plus his mother at home. Then committed suicide (28).

2972 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.

2973 One death was a drug overdose. Have not been able to determine why this was attributed to the rioting.
226. 2017 -- Nov 5, Mass Shooting, First Baptist Church, Sutherland Springs, TX

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

227. 1803 -- March, Massacre, Crew of American ship Boston, Nootka, Vancouver Isl.

228. 1914 -- Apr 20, Gov. Force, Ludlow Massacre (CO NG Attacks Mining Strikers)

229. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ

230. 1982--Sep 4, Mass murder/arson, Dorothy Mae Apartments/Hotel, Los Angeles, CA

231. 1663 -- Jun 7, Massacre, Natives attack Dutch at Wiltwyck (Kingston, NY) and vic. -22-24

232. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME

233. 1862 --Aug, Massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA

234. 1910 -- Jul 3-5, Race Riots/Violence, result of Jack Johnson defeat of Jim Jeffries

235. 1939 -- Aug 12, Sabotage, Train Derails, South Pacific Railroad Carlin, NV

236. 1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL

237. 1991 -- Oct 16, Violence, Rampage Shooting, Luby’s Restaurant, Killeen, TX

238. 2003 -- Oct 25-Nov 4, Arson Wildfires (esp. Cedar, Old Fire, Paradise), Southern CA

239. 1677 -- Leaders of Bacon’s Rebellion (colonists vs. Gov. Berkeley) hanged in VA

240. 1689 -- Jun 27, Massacre, Penacooks attack English colonists, Cochecho (Dover) NH

241. 1812 -- Sep 4-5, Massacre of Settlers, by Shawnee, Pigeon Roost Settlement, IN

242. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX

243. 1863 -- Aug 4, Massacre, Confederates kill captured Union black soldiers, Jackson, LA

244. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL

245. 1689 -- Aug 28, Massacre, Natives attack settlers from Huckin’s garrison, NH

246. 1694 -- July 27, Massacre, Natives attack settlers, Groton, MA

247. 1760 -- Feb, Massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC

248. 1763 -- Jun 02, Massacre, Fort Michilimackinac, MI, Ojibwas and Sacs Attack

249. 1779 --Feb 14, boat theft, hostage-taking attempt, violence, Capt. James Cook/Hawaiians

250. 1849 -- Mar Ore. miners kill Maidus, American River, Weber’s Creek, Coloma, CA

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2974 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.

2975 Cross-listed in Violence – Massacres of Whites by Natives.

2976 Cross-listed in Violence Subsets – Governmental Use of Force and in Labor-Related.

2977 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.

2978 Cross-listed in Rail.

2979 Cross-listed in Violence-Arson.

2980 Twenty-three killed by the shooter, George Hennard, who killed himself after being wounded by police.

2981 Cross-listed in Fires – Forest, Prairie and Wildfires.

2982 Two striking union-miners were killed by mine guards on June 21 when attacked by a large group of the striking miners and one other died of his wounds on July 13. Nineteen to twenty 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.
1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Vly., OR -- 12-22
1855 -- Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY -- 22
1944 -- March 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA -- 22
2019 -- Aug 3, white supremacist lone gunman mass shooting, Walmart, El Paso, TX -- 22

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

1690 -- ~Sep 15, Massacre, English attack native village, NW of Brunswick, ME -- 21
1712 -- Apr 06, Violence, Fear of Insurrection of Blacks, Executions, NY, NY -- 21
1871 -- Oct 24, Racial Violence and Massacre, Chinatown, Los Angeles, CA -- 21
1884 -- June 4, Infant Bodies found, Nivison Home for Infants, Hammonton, NJ -- 21
1888 -- Aug 16, Racial Violence, White Regulators attack Blacks, Freetown, LA -- 10-21
1904 -- Jun 6-8, Labor Vol., Bombing/Shooting, Cripple Creek, Teller County, CO -- 21
1905 -- Apr 6-Jul 19, Labor Violence, Teamsters’ Strike and Riots, Chicago, IL -- 21
1905 -- Jun 21, Sabotage, Train Derails, Twentieth Century Ltd., Mentor OH -- 19-21
1910 -- Oct 01, Labor Violence, Trade Unionist bombing, LA Times, Los Angeles, CA -- 21
1915 -- Oct 28, Fire, Trampling, St. John’s Parochial School, Peabody, MA -- 21
1922 -- Jul 17, Striking Miners attack Saledka Mine, Sheriffs men, Cliftonville, OH -- 19-21
1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ -- 21
1984 -- July 18, Mass Killing, James Oliver Huberty, McDonald’s, San Ysidro, CA -- 21
2003 -- Feb 17, Stampede/Crushing/Asphyxiation, E2/Epitome Night Club, Chicago, IL -- 21

1541, ~Mar 10, Hernando de Soto forces & “Chicasa” battle and “slaughter,” MS -- > 20
1643 -- Fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT -- 18-20
1763 -- Dec 14 & 27, Massacres, Paxton Boys kill Natives, Conestoga & Lancaster, PA -- 20
1837 -- Spring, Santa Rita/John Johnson Massacre, Apache Trading Party, SW NM -- 20
1852 -- Jul 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20
1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama -- 16-20
1858 -- Early-mid Jun, Whites attack Mattole Natives, Mattole Vly., Humboldt Co. -- 15-20
1859 -- Oct 16-18, John Brown Insurrection, Harper’s Ferry, VA -- 20
1864 -- Apr 30, Captured and/or wounded soldiers killed, Battle of Jenkins’ Ferry, AR -- > 20
1864 -- Jun 10, Confederates kill captured black soldiers, Battle of Brice’s Cross Roads, MS -- > 20
1867 -- Apr 18, Labor Riot, Silver Bend Mining Co., Belmont, NV -- 20

2983 Cross-listed in Violence subset Arson.
2984 Cross-listed in Rail and in Violence subsection Mass Murder.
2985 Cross-listed in Fire-Structural and in Violence subset of Crushing, Trampling, Suffocation. Most of the girls died at the door block.
2986 Cross-listed in Fire-Structural and in Violence subset of Arson-Manslaughter/Homicide.
2987 No estimate at all is made of the Natives killed, thus we have conjectured the number “more than 20,” as a very conservative, we think, 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.
283. 1876 -- Oct 30, Fire Scare/Trampling, Chinese Royal Theatre, Jackson St. SF, CA  --19-20  
284. 1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA 2988 --19-20  
285. 1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN  -- 20  
286. 1917 -- Aug 23, 24th Infantry (Black)/Camp Logan Mutiny/Racial Riot, Houston, TX -- 20  
287. 1921 -- May 12-15, Battle of the Tug, coal mine labor conflict, Mingo County, WV  -- 6-20  
288. 1924 -- Sep 9, Labor Violence, Filipinos Strikers/Sheriffs Clash, Hanapepe, Kauai, HI  -- 20  
289. 1970 -- Mar 20, Ozark Hotel (“flophouse”), Arson Fire, Seattle, WA 2989 -- 20

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

290. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD 2990  
291. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM  -- 19  
292. 1703 -- Oct 6, Massacre, Eng. settlers/militia attacked while farming, Scarborough, ME 19  
293. 1704 -- May 13, Massacre, Natives attack settlers, Pascommuck (Easthampton) MA  -- 19  
294. 1708 -- Aug 29, Raid/Massacre, French and Indians attack settlers, Haverhill, MA  --16-19  
295. 1847 -- Jan 19-20 Mexican/Pueblo Revolt, against U.S. NM occupation, Taos vic. 16-19  
296. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR  --13-19  
298. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA  -- 19  
299. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico  -- 19  
300. 2003 -- May 13-14 Illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX  -- 19

301. 1676 -- Feb 21, Massacre, Nipmuc and Narragansett Natives attack Medfield, MA  --17-18  
302. 1838 -- Oct 08, Massacre of Surveying Party near Dawson, Navarro County TX  -- 18  
303. 1838 -- Oct 30, Haun’s Mill (Mormon) Massacre, Caldwell County, MO  -- 18  
304. 1872 -- Nov 29-30 Modoc “Hooker Jim” band kills white males, SE Tule Lake, CA  --14-18  
305. 1884 -- Nov 01, Political Riot, Loreauville, Iberia Parish, LA  -- 18  
307. 1906 -- Jan 21, Fire, Trampling, St. Paul’s Baptist Church, Philadelphia, PA  -- 18  
308. 1916 -- Mar 09, Pancho Villa Attacks Columbus, NM  -- 18  
309. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami FL  --18

310. 1849 -- Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA 2991  
311. 1859 -- July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA  -- 17  
312. 1916 -- Jan 10, Mass Murder, Americans on Train 50M W. Chihuahua City, MX  --16-17  
313. 1958 -- Sep 2, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR 2992  
314. 1966 -- Aug 01, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper  --16-17  
315. 2000 -- Oct 12, Suicide Terrorism, USS Cole Bombed, Port of Aden, Yemen  -- 17  
316. 2018 -- Feb 14, School Shooting, Marjory Stoneman Douglas High Sch., Parkland, FL  -- 17

317. 1643 -- Aug, Massacre, Anne Hutchinson’s settlement by Siwanoy on Pelham Bay, NY 16

2988 Cross-listed in Fire-Structural and in Violence subset of Mass Murder.  
2989 Cross-listed in Fire-Structural and in Violence subset of Mass Murder.  
2990 Cross-listed in Violence subsets of “Battles” and “Religious Violence.”  
2991 Cross-listed in Aviation.  
2992 Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.
1854 -- Jan 29, Coos Co. whites massacre Coquilles, Whiskey Run, no. of Coquille Ri., OR
1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA
1861 -- Apr 19, Secession Mob Attacks 6th MA & 7th PA Regiments, Baltimore
1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ
1913 -- Feb 10, Labor Vio., Miners/Guards Clash, ~Mucklow, Kanawha County, WV
1953 -- July 29, Yokota Air Base, Japan, USAF RB50, shot down, Sea of Japan
1956 -- Aug 22, Attack, Navy P4M-1Q Shot Down near Wenchow, China
1975 -- May 14, Attack, USS Mayaguez Khmer Rouge, Koh Tang Isl, Cambodia
1987 -- Dec 22, 26, 28, R. Gene Simmons Killing Spree, Dover & Russellville, AR

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

1675 -- Dec 16, Massacre, Natives attack Bull Garrison, Pettaquamscutt (Kingston), RI
1677 -- Sep 19, Massacre, Pocumtuck Natives attack English colonists, Hatfield, MA
1694 -- Jul 18, Massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH
1745 -- Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK
1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA
1828 -- Jedediah Smith Massacre by Natives, near Gardiner, OR
1847 -- Nov 29, Whitman Massacre, Missionaries, by Natives, near Walla Walla WA
1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR
1852 -- Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border
1855 -- Oct 9, Indians retaliate & attack settlers, upper Rogue River Valley, OR
1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA
1865 -- Oct 9, Indians retaliate & attack settlers, upper Rogue River Valley, OR
1868 -- July 15 time-frame, White vs. Black Conflict, Millican, Brazos Co., TX
1888 -- Dec 08, Hawes Lynch Mob fired on, Jefferson Co. Jail, Birmingham, AL
1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO
1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV
1984 -- July 4, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA
1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ
1999 -- April 20, Columbine High School Shooting, Columbine, CO

1675 -- Jul or Sep, VA Militiamen looking for Doeg Natives Kill Susquehannocks, VA
1676 -- Aug 13-14, Massacre, Natives attack settlers, Kennebec Riv. & Arrowsic, ME
1696 -- June 26, Massacre, Natives attack English settlers, Portsmouth Plains, NH
1767 -- Jul, Chippewas attack two Baynton, Wharton, Morgan trade boats, Ohio Riv.
1844 -- May 6-8, Riots, Protestant Nativists and Catholic Irish, Philadelphia, PA
1850 -- Apr 03, Sioux Massacre Chippewa men, women, children, Apple River, WI
1858 -- Dec 31 Whites kill Natives —Eden Valley, Russian River area, Sonoma Co., CA
1900 -- Jul 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ

2993 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
2994 Cross-listed in Aviation.
2995 Cross-listed in Aviation.
2996 Cross-listed in Maritime.
2997 Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).
2998 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
2999 Cross-listed in Fire-structural. (Originally a hotel, but had become a low-rent apartment building.)
3000 Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.
1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK

1982 -- July 5, Arson Fire, Apartment Building, Waterbury, CT

1986 -- Aug 20, Postal worker Pat Sherrill Mass Shooting, Post Office, Edmond, OK

2001 -- May ~24, Smugglers abandon immigrants without water in desert heat, AZ

2009 -- April 3, Mass Killings, Immigration Services Center, Binghamton, NY

2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA

2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

1598--Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM

1691 -- Sep 29, Massacre, Indians attack English settlers, Sandy Beach (now Rye), NH

1755 -- Oct 16-17, Massacre, Natives attack German settlers, Penn’s Creek, PA

1832 -- July --12, Battle of Pierre’s Hole, fur-trappers, natives on both sides, ID

1840 -- March, Retaliation for Council House Comanche peace envoy deaths; prisoners killed--

1850 --Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA

1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA

1853 -- Mar 1, Cattle theft reported, Whites attack Natives in cave near Oak Grove, CA

1863 -- ~Jan 18, Shelton Laurel Massacre, Rebels murder Unionists, Madison Co., NC

1883 -- Aug 12, Massacre, Santa Fe Railroad Surveyors Attacked by Apaches

1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre, Carrollton, MS

1898 -- Oct 12, Labor Violence, coal miners and mine guards shootout, Virden, IL

1904 -- Mar 23-24, Racial Violence Against Blacks, St. Charles, AR

1932 -- June 7, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH

1949 -- Sep 06, Howard Barton Unruh Rampage Mass Shooting, Camden, NJ

1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL

1975 -- Dec 29, Mass Mur., Bomb Explosion, LaGuardia AP Terminal, Brooklyn NY

1980 -- July 5-6, smugglers abandon immigrants, dehydration, Organ Pipe Cactus Nat. Mon., AZ

1982 -- April 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ

1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA

1983 -- Feb 19, Fatal shootings (13 of 14), Wah Mee Club, Seattle “Chinatown”, WA

1999 -- July 27-29, Workplace Shootings/9; family killed/3; suicide/1; Atlanta, GA

3002 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

3003 Cross-listed in Fire-Structural.

3004 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.

3005 Cross-listed in Heat.

3006 Shooter shoots and kills thirteen people and then shoots himself fatally.

3007 Sub-listed in Mass Murder and in Terrorism.

3008 Cross-listed in Fire-Wildfires.

3009 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

3010 Cross-listed in Violence subsets of Mass Murder and Shooting Sprees.

3011 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.

3012 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.

3013 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
382. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX -- 13
384. 2018 -- Nov 7, Mass shooting/12 suicide/1, Borderline Bar & Grill, Thousand Oaks, CA-- 13

VIOLENCE – Master Set – Deadliest American – By MORTALITY (continued)

385. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12
386. 1675 -- ~June 23-25, King Philips War begins, Wampanoag attack Swansea, MA -- 9-12
387. 1676 -- Mar 12, Massacre, Natives Attack Clark House, Eel River, ~Plymouth, MA --11-12
388. 1676 -- Apr 18, Massacre, Natives attack settlers at Sudbury, MA -- 7-12
389. 1791 -- Jan 2, Violence-Massacre, Delaware & Wyandot kill Big Bottom settlers, OH-- 12
390. 1813 -- Sep 01, Massacre, Borderline Bar & Grill, Thousand Oaks, CA -- 12
391. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH --10-12
392. 1868 -- Aug ~14-16, Cheyenne Raids on Settlers in and around Asher Creek, KS -- ~12
393. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
394. 1883 -- May 30, Crushing/Trampling, Brooklyn Bridge, NY, NY -- 12
395. 1884 -- Nov 13, Sabotage, Houston & TX Central Train derails, ~Hempstead, TX 3015--9-12
396. 1889 -- Dec 10, Fire Scare, Trampling, Parke Theater/Opera House, Johnstown, PA -- 12
397. 1900 -- Jul 24-27, Anti-black riots (re. Robert Charles shootings), New Orleans, LA 3016--12
398. 1913 -- Sep 28, Mass Murder Shooting Spree, Lynching, Harriston, MS --11-12
399. 1945 -- May 5, Attack, Civ. US Steamer Black Point Torpedoed off Point Judith RI 3017--12
400. 1952 -- Jun 13, Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan 3018 -- 12
401. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY 3019 -- 12
402. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO 3020-- 12
403. 1968 -- Apr 01, Attack, Navy P3B Coastal Surveillance Downed, Gulf of Thailand 3021-- 12
404. 1969 -- June 8, Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV 3022 -- 12
405. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR 3023 --11-12
406. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA 3024 -- 12
407. 1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
408. 1990 -- June 17-18, Violence/Shootings, esp. GMAC (18th), Jacksonville, FL 3025--11-12
409. 2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV 3026 -- 12
410. 2012 -- July 20, James Holmes Mass Shooting, Century 16 Theater, Aurora, CO -- 12

3014 Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.
3015 Cross-listed in Violence subsets Mass Murder and Sabotage.
3016 This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.
3017 Cross-listed in Maritime.
3018 Cross-listed in Aviation.
3019 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3020 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3021 Cross-listed in Aviation.
3022 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3023 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3024 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3025 James Edward Pough shot and killed two people on the 17th. The 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.
3026 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1755</td>
<td>Delawares/Shawnees attack settlers, Fulton/Franklin Cty, PA</td>
<td>PA</td>
<td>≥11</td>
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<tr>
<td>1763</td>
<td>St. Joseph’s Post Massacre, Mouth of St. Joseph’s River, MI</td>
<td>MI</td>
<td>11</td>
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<tr>
<td>1764</td>
<td>Indians attack one-room Schoolhouse, Greencastle, PA</td>
<td>PA</td>
<td>11</td>
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<tr>
<td>1848</td>
<td>Violence, Vigilante Riot, Jailhouse, Cincinnati, OH</td>
<td>OH</td>
<td>11</td>
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<tr>
<td>1850</td>
<td>Sweat Head Massacre, Sonoma County Whites kill Natives, Napa County, CA</td>
<td>CA</td>
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<tr>
<td>1855</td>
<td>Violence, Vigilante Riot, Jailhouse, Cincinnati, OH</td>
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<tr>
<td>1859</td>
<td>--Oct 11, Massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA</td>
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<td>1871</td>
<td>Nov 5, Violence-Trampling, African Baptist Meeting-house, Louisville KY</td>
<td>KY</td>
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<tr>
<td>1872</td>
<td>Apr 15, Shoot-out, U.S. Marshals &amp; Cherokee, Indian Court House, OK</td>
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<td>1886</td>
<td>May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL</td>
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<td>1891</td>
<td>Mar 14, Racial Vio., Mob Kills Italian Prisoners, New Orleans LA</td>
<td>LA</td>
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<td>1891</td>
<td>Apr 02, Violence, Deputies Kill Strikers, Morewood Mine, Morewood, PA</td>
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<td>11</td>
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<tr>
<td>1892</td>
<td>July 06, Violence, Strikers &amp; Pinkertons, Carnegie Steel, Homestead, PA</td>
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<td>1905</td>
<td>Feb 27, Floor Collapse, Fire Scare/Trampling, Church Serv., Brooklyn NY</td>
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<td>1920</td>
<td>May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV</td>
<td>WV</td>
<td>10-11</td>
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<td>1941</td>
<td>Oct 17, Attack. USS Keary Torpedoed by German Submarine, off Iceland</td>
<td>NJ</td>
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<tr>
<td>1973</td>
<td>Sep 29, Arson Fire, Tenement, Eleventh &amp; Willow, Hoboken, NJ</td>
<td>NJ</td>
<td>3030</td>
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<td>1975</td>
<td>Mar 30, Violence, mass murder, James Ruppert shoots relatives, Hamilton, OH</td>
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<td>1979</td>
<td>Dec 3, WHO Concert Crushing/Trampling, Riverfront Colsm., Cincinnati OH</td>
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<td>1985</td>
<td>May 13, Gov. Vio., Police Bomb MOVE Group, Row House Fire, Philly PA</td>
<td>PA</td>
<td>3032-11</td>
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<tr>
<td>2002</td>
<td>Oct 13, Decomposed bodies of illegal aliens found in railcar, Denison, IA</td>
<td>IA</td>
<td>11</td>
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<tr>
<td>2005</td>
<td>Jan 26, Train hits parked SUV; Derailed; hits parked train, Glendale, CA</td>
<td>CA</td>
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<tr>
<td>2018</td>
<td>Oct 27, Mass Shooting, Tree of Life Synagogue, Pittsburgh, PA</td>
<td>PA</td>
<td>11</td>
</tr>
</tbody>
</table>

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3027 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3028 Cross-listed in Structural Failures.
3029 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.
3030 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3031 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3032 Cross-listed in Fire-Structural.
3033 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.
3034 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.
445. 1850 -- May, Jicarilla Apaches/Utes Massacre US Mail wagon train, Wagon Mound, NM--10

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

446. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
447. 1853 -- Fall, Natives Kill Chinese, west branch Feather River, Butte County, CA -- 10
448. 1854 -- Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO -- 10
449. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR-- ~10
450. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA -- ~10
451. 1862 -- Oct 18, Unionist disappears, Union Col. executes Reb. prisoners, Palmyra, MO--10
452. 1864 -- Apr 18, Rebels & Choctaws kill wounded/captured blacks, Poison Spring, AR-- >10
453. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~Berryville, VA-->10
454. 1889 -- Dec 25, Racial Violence, Jesup, GA --6--10
455. 1902 -- Apr 30, False-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA-- 8-10
456. 1914 -- Sep 18, Sabotage, Train Derailment, Livingston, AL -- 10
457. 1916 -- Mass Killing, Archer Home for Elderly, Winsor, New Haven County, CT -- 10
458. 1916 -- Jul 22, Mass Murder, Preparedness Day Parade Bombing, San Francisco CA-- 10
459. 1917 -- Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI -- 10
460. 1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL3035 -- 10
461. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL3036 -- 10
462. 1950 -- Apr 08, USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area3037 -- 10
463. 1951 -- Nov 6, Attack, P2V-3W Downed, Soviet plane, Sea of Japan off Vladivostok-- 10
464. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ3038 -- 10
466. 1979 -- July 31, Arson Fire (smoke inhalation deaths), Holiday Inn, Cambridge, OH3039 -- 10
467. 1980 -- Oct 28, Arson Fire, Apartment Building, Chicago, IL3040 -- 10
468. 1984 -- Apr 15, Mass Murder, Christopher Thomas “Palm Sunday Massacre,” NYC-- 10
469. 1984 -- May-Nov, Bobby Joe Long Serial Killings of women, Tampa Bay Area, FL -- >10
470. 1993 -- Feb 28, Shootout, Large ATF force attempts to serve David Koresh, Waco, TX3041 -- 10
471. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA3042--10
473. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
474. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN-- 30439-10
475. 2009 -- Mar 10, Michael McLendon Shooting Spree, Geneva County, AL -- 10
476. 2015 -- Oct 1, Mass shooting, Umpqua Community College, Roseburg, OR 3044 -- 9-10
477. 2017 -- July 23, Migrants die in hot semi trailer found in parking lot, San Antonio, TX-- 10

3035 Cross-listed in Violence-Mass Murder.
3036 Cross-listed in Violence sub-sections Governmental Use of Force and Labor-Related.
3037 Cross-listed in Aviation.
3038 Cross-listed in Fire-Structural and in Violence subset-Arson.
3039 Cross-listed in Fire-Structural and in Violence subset-Arson.
3040 Cross-listed in Fire-Structural and in Violence subset-Arson.
3041 Four ATF agents/six Davidians. See 4-19-1993 on FBI/ATF attack, wherein 75 Davidians (25 children) died.
3042 Cross-listed in Fire-Structural and in Violence subset-Arson.
3043 Killed were nine people -- 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.
3044 The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.
478. 2018 -- May 18, School Shooting, Santa Fe High School, Santa Fe (near Houston), TX-- 10
479. 2019 -- Aug 4, Mass shooting outside bar (9 deaths), police kill shooter, Dayton, OH-- 10

VIOLENCE – Master Set (Select other notable events) -- By MORTALITY (continued)

1. 1637 -- Apr 23, Massacre, Wongunk and Pequots attack Wethersfield, CT -- 9
2. 1815 -- Apr 6, 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 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA -- 8-9
5. 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
6. 1982 -- Aug 20, Rampage shooting (8), mentally disturbed man (killed), Miami, FL3045-- 9
7. 1989 -- Aug 20, Rampage shooting (8), mentally disturbed man (killed), Miami, FL3045-- 9
8. 1991 -- Dec 28, Crushing, Nat Holman Gymnasium, City College, NY -- 9
9. 2005 -- May 21, Arson Fire, House during child’s birthday sleepover, Cleveland, OH3046-- 9
10. 2010 -- Aug 3, Workplace shootings, worker kills 8 coworkers/self, Manchester, CT -- 9
11. 2015 -- May 17, Violence, Biker-Gangs/Police Shoot-Out at Twin Peaks restaurant, Waco, TX-- 9
12. 2015 -- June 17, Violence -- Mass Shooting, AME Church, Charleston, SC -- 9

13. 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS -- 5-8
14. 1912 -- June 10, Family and two girls Murdered in Sleep with Axe, Villisca, IA -- 8
15. 1916 -- Mar 5-6, Daniel Okane kills Family (7) and commits suicide, Lawton, OK -- 8
16. 1923 -- Jan 1-7, Rosewood Rioting, Whites attack Blacks, Rosewood, Levy Co., FL -- ≥8
17. 1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8
18. 1966 -- July 14, Richard Speck Mass Murder of Nurses, Dorm Room, Chicago, IL -- 8
20. 1987 -- July 11-12, Man shoots wife, two children, his parents, in-laws, Federal Way, WA--8
21. 2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY-- 8
22. 2019 -- Aug 31, Shooting rampage (7 killed by shooter), Midland-Odessa area, TX -- 8

23. 1876 -- July 08, Whites attack blacks (inc. Co. A, 9th Regiment SCNG) Hamburg, SC-- 7
24. 1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI -- 7
25. 1915 -- Mar 06, Monroe Phillips Shooting Rampage (kills 6, is shot) Brunswick, GA -- 7
26. 1916 -- July 30, Sabotage, Black Tom Munitions Depot, NY Bay, Jersey City, NJ -- 7
27. 1916 -- Nov 05, Labor Violence, IWW workers/local law enforcement, Everett, WA3047-- 7
28. 1929 -- Feb 14, St. Valentine’s Day Massacre, Capone gang vs. Moran gang, Chicago, IL -- 7
29. 1976 -- July 12, California State University Fullerton Library Shooting Rampage -- 7
30. 1982 -- Sep 29, Tylenol Tampering (laced with cyanide) deaths start, Chicago, IL -- 7
32. 1999 -- Nov 02, Workplace Mass Murder Shootings, Xerox, Honolulu, HI3048-- 7
33. 2006 -- Mar 26, Mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA3049-- 7
34. 2012 -- Apr 02, School Shootings, Oikos University, Oakland, CA3050-- 7

3046 Cross-listed in Fire-Structural.
3047 Cross-listed in Violence subsets Governmental Use of Force and Labor-Related.
3048 Cross-listed in Violence subsets Mass Murder and Mass Shootings.
3049 The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.
35. 2012 -- Aug 05, Sikh Temple of Wisconsin Rampage Mass Shooting, Oak Creek, WI
36. 2014 -- May 23, Mass Murder, Univ. of California at Santa Barbara, Isla Vista, CA

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

37. 1886 -- Apr 09, Governmental Violence, Labor Riot, East St. Louis, IL
38. 1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA
39. 1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO
40. 1932 -- Nov 24, Violence Julian Marcelino Rampage with knives, Seattle, WA
41. 1980 -- Sep 20, ex-wife & family killed by ex-husband’s booby-trap bomb, Olathe, KS
42. 1982 -- July 02, Wife, children, mother-in-law shot (5), suicide, Thompson Falls, MT
43. 1989 -- Jan 17, School Shooting, Cleveland Elementary School, Stockton, CA
44. 1991 -- Nov 01, Gang Lu Killing Spree, University of Iowa, Iowa City, IA
45. 1992 -- July 7, Arson Fire set by mother kills six of her children, Baltimore, MD
46. 1993 -- Feb 26, World Trade Center Terrorism Bombing
47. 1993 -- Feb 27, Arson Fire & Mass Murder, Apartment Building, Providence, RI
48. 1996 -- Feb 9, Fired city worker shoots five former coworkers, self, Fort Lauderdale, FL
49. 2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA
50. 2008 -- Feb 14, Classroom Killings, Northern Illinois University, DeKalb, IL
51. 2016 -- Feb 20, Violence, Uber driver random mass shootings, Kalamazoo, MI
52. 2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL

53. 1597 -- Natives Massacre St. Francis Missionaries, Guale (St. Catherine Island), GA
54. 1856 -- May 24/25, John Brown men kill pro-slavery men –Pottawatomie Creek, Franklin Co., KS
55. 1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS
56. 1894 -- May 24, Labor Battle, Washington Coal and Coke Co, Sickle Hollow, PA
57. 1933 -- June 17, Shooting murder of four law officers plus prisoner, Kansas City, MO
58. 1998 -- March 24, Westside Middle School Shootings, Jonesboro, AR
59. 2001 -- Sep 18-Nov 21, Terrorism, Anthrax Letters, DC FL GA MD NJ NY VA

60. 1918 -- Sep 04, Bomb Explosion Federal Building, Chicago, IL
61. 1970 -- May 04, Kent State Demonstration and Ohio National Guard Shootings, OH
62. 1975 -- Jan 24, Fraunces Tavern FALN Terrorist Bomb, NYC
63. 2013 -- Apr 15, Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA

64. 1974 -- Aug 06, Bombing, LA Int. Airport, near Pan AM Overseas Check-in, CA
65. 1978-1995 -- Unabomber Mail Bombings & Terrorism

Cross-listed in two Violence subsets – Rampage Shootings, and School Shootings.
Six students were shot or stabbed to death before the killer shot himself in the head.
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.)
Four University of Iowa faculty and one student killed before gunman commits suicide.
Cross-listed in Fire.
Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.
Five student victims and the gunman suicide.
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<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Mortality</th>
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<tbody>
<tr>
<td>67.</td>
<td>1932</td>
<td>July 28, US Military Moves on “Bonus Expeditionary Force” Vets, DC</td>
<td>2</td>
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<td>68.</td>
<td>1950</td>
<td>Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC</td>
<td>2</td>
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<td>69.</td>
<td>1993</td>
<td>Jan 25, CIA HQ Shootings, Mir Aimal Kansi, Langley VA</td>
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<td>70.</td>
<td>1997</td>
<td>Feb 23, Middle East Terrorism, Shooting, Empire State Building, NYC, NY</td>
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<td>71.</td>
<td>1998</td>
<td>Jan 29, Abortion Clinic Bombing, (Eric Rudolph), Birmingham, AL</td>
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<td>72.</td>
<td>1954</td>
<td>Mar 1, Puerto Rican Nationalists shoot 5, floor of US House of Representatives</td>
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</tbody>
</table>
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,” MS -- >20
4. 1541/42 Winter, Coronado’s Expeditionaries burn-at-the-stake Tiwa Natives, NM --2,500-6,000
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 FL --~140
7. 1597 -- Natives Massacre St. Francis Missionaries, Guale (St. Catherine Island), GA -- 5
8. 1598 -- Dec 4, Pueblo Natives kill Juan de Zaldívar & soldiers seeking corn flour, W NM --13
9. 1599 -- Jan 21, Spanish (Oñate) Massacre Acoma Natives, punitive expedition, NM --300-800
10. 1616 -- George Yeardley, Dep. Governor of Virginia Colony, Attacks Chickahominy --12-40
11. 1622 -- Mar 22, Jamestown Massacre, Natives Attack, Jamestown Colony, VA -- 347
12. 1623 -- May 12, Cpt. Tucker VA party poison/kill Powhatans, Patowomeck, VA --150-200
13. 1632 -- Nov, Massacre at Fort Zwaanendael (Lewes), first Dutch Del. Colony -- 32
14. 1637 -- Apr 23, Massacre, Woun-gunk and Pequots attack Wethersfield, CT -- 9
15. 1637 -- May 26, Mystic Massacre, Eng. Colonists Attack Pequot Vil., Mystic River CT-- 700
16. 1637 -- Massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80
17. 1640 -- Spanish hang Natives who will not renounce their faith, present day NM -- 40
18. 1643 -- Feb 25, New Amsterdam Dutch massacre Natives, Pavonia [NJ] --80-120
19. 1643 -- Aug, Massacre, Anne Hutchinson’s settlement by Siwanoy on Pelham Bay, NY -- 16
20. 1643 -- Fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT --18-20
21. 1644 -- Early (Jan?), Massacre, Dutch and English attack Mespath (Long Island, NY) -- 120
22. 1644 -- Feb, Massacre, Dutch attack Siwanoys, Petuquapaen, ~Cos Cob, CT --500-700
23. 1644 -- Apr 18, Native Massacre of English Colonists along James River, VA --300-400
24. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD -- 19
25. 1655 -- Sep 15-18, Natives attack Dutch in New Netherland (NY and NJ) --16-100
26. 1657 -- Jun 7, Massacre, Natives attack Dutch at Wiltwyck (Kingston, NY) and vic. --22-24
27. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12

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3058 No estimate at all is made of the Natives killed, thus we have conjectured the number “more than 20,” as a very conservative, we think, 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.

3059 Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”

3060 Today’s Jacksonville.

3061 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.)

3062 In dispute – some place the massacre in Westchester County, NY (Dinan. “Historians Sift Clues...” Greenwich Time, 3-5-2006.)

3063 Cross-listed in Violence subsets of “Battles” and “Religious Violence.”

3064 These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.
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, \(^{3065}\) 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 Peskeomskut Natives, Turners Falls, MA --200-300
40. 1676 -- Jun 12, Mohawks massacre Native camp whose men were attacking Hadley, MA--50
41. 1676 -- Jul 02, Massacre, Eng. Colonists attack Narragansett camp ~Providence, RI--100-126
42. 1676 -- Sep 25, Massacre, Natives destroy settlement at Cape Neddock, ME  --  40
43. 1676 -- Aug 11, Massacre and captivity, Natives attack English settlers, Portland, ME-- ≥10
44. 1676 -- Aug 13-14, Massacre, Natives attack settlers, Kennebec River & Arrowsic, ME--≥14

45. 1677 -- Leaders of Bacon’s Rebellion (colonists vs. Gov. Berkeley) hanged in VA --22-23
46. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME  -- 60
47. 1677 -- Sep 19, Massacre, Pocumtuck Natives attack English colonists, Hatfield, MA--12-15

48. 1689 -- Jun 27, Massacre, Penacocks attack English colonists, Cochecho (Dover) NH  --  23
49. 1689 -- Aug 28, Massacre, Natives attack settlers from Huckin’s garrison, NH --21-22
50. 1689 -- Sep 26, Battle, Major Church force and Natives, near Falmouth (Portland), ME -- 10

51. 1690 -- March 18, Massacre, French & Indians attack settlers, Salmon Falls, NH  --  30
52. 1690 -- May 20, Massacre, French/Indians attack settlers, Falmouth (Portland), ME--120-200
53. 1690 -- Sep 15, Massacre, English attack native village, NW of Brunswick, ME  -- 21
54. 1691 -- Sep 29, Massacre, Indians attack English settlers, Sandy Beach (now Rye), NH--  13
55. 1692 -- Jan 25, Massacre, French and Indians attack English colony, York, ME  ----50-75
56. 1694 -- Jul 18, Massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH --  15
57. 1694 -- July 27, Massacre, Natives attack settlers, Groton, MA  -- 20-22
58. 1695 -- Aug 05, Massacre, Natives attack settlers, Billerica, MA  --  10
59. 1696 -- June 26, Massacre, Natives attack English settlers, Portsmouth Plains, NH  --  14
60. 1697 -- March 15, Massacre; Natives attack English settlers, Haverhill, MA  -- ~40
61. 1697 -- Sep 11, Massacre, Natives attack Lancaster, MA  --21-26

62. 1703 -- Aug 10, French & Indians attack So. coastal ME, esp. greater Portland vic. -- >61
63. 1703 -- Oct 6, Massacre, Eng. settlers/militia attacked while farming, Scarborough, ME--  19
64. 1704 -- Feb 29, Massacre, French and Native allies attack Deerfield, MA \(^{3066}\) --  68

\(^{3065}\) Both dates are used, apparently depending on whether old style or new style dating is applied.
VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

67. 1711 -- Sep 22, Tuscarora Massacre of White Settlers, Bath County, NC -->130-140
68. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscaroras, Craven Co. NC-300
69. 1712 -- Apr 06, Violence, Fear of Insurrection of Blacks, Executions, NY, NY -- 21

70. 1724 -- Aug 23, Massacre, colonial militia attack Abenaki village, Norridgewock, ME~80-100
71. 1729 -- Nov 28, Ft. Rosalie Massacre, French Colonists by Natives, Natchez MS --200-300

72. 1741 -- Mar, Alleged Slave Uprising, Blacks Burned and Hanged, NYC, NY --33-52
73. 1745 -- Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK -- 15
74. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga NY -- 30

75. 1755 -- Oct 16-17, Violence/massacre, Natives attack German settlers, Penn’s Creek, PA >13
76. 1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers, Fulton/Franklin Cty, PA -- >11
77. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA --9--15
78. 1757 -- Aug, Natives Massacre garrison after surrender, Fort William Henry, NY -- ~184
79. 1758 -- Apr 28, Massacre of Settlers by Shawnee, Fort Sybert/Seybert, WV -- >40

80. 1760 -- Feb, Massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC-- 22
81. 1763 -- Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK>375
82. 1763 -- Wyoming Flats (Luzerne County, PA) Massacre of Settlers -- ~ 20
83. 1763 -- May 25, St, Joseph’s Post Massacre, Mouth of St. Joseph’s River, MI -- 11
84. 1763 -- Jun 02, Massacre, Fort Michilimackinac, MI, Ojibwas and Sacs Attack -- 22
85. 1763 -- Dec 14 & 27, Massacres, Paxton Boys kill Natives, Conestoga & Lancaster, PA -- 20
86. 1764 -- July 26, Massacre, Indians attack one-room Schoolhouse, ~Greencastle, PA -- 11
87. 1767 -- July, Chippewas attack two Baynton, Wharton, Morgan trade boats, Ohio Riv.-- 14
88. 1768 -- Jan 10-11, Stump massacre of Native men/women/children, Penn Twp, Cumberland Co., PA-- 10

89. 1771 -- May 16, “Regulators” Uprising, NC -- 300
90. 1774 -- Apr 30, Greathouse VA force murder Mingos, Yellow Creek/OH Riv., OH/WV^3067~10
91. 1778 -- May 30, Violence, Loyalists and Indians attack Cobus Kill Settlement, NY -- ~52
92. 1778 -- Nov 11, Massacre, women/children, Loyalist/Seneca Force, Cherry Valley NY-- 48
93. 1779 --Feb 14, boat theft, hostage-taking attempt, violence, Cpt. James Cook/Hawaiians-- 22

94. 1780 -- May 26, Violence, Massacre of settlers near St. Louis, MO -- ~20
95. 1782 -- Mar 8, Massacre of noncombatant Indians by PA militia, Gnadenhutten, OH -- 96
96. 1784 -- Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK -- >200

97. 1790 -- Jan late, Olowalu Massacre, Cpt. Metcalfé, Eleanora, fires on Native canoes, Maui >100

^3066 Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, 20 captives.
^3067 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.
98. 1791 -- Jan 2, Violence-Massacre, Delaware & Wyandot kill Big Bottom settlers, OH-- 12

99. 1800 -- Feb 1, US Frigate Constellation engagement with French La Vengeance\(^{3068}\) -- 160
100. 1800 -- Aug 30, Gabriel’s Rebellion/Slave Uprising/Mass Hanging, Rich., VA -- 35
101. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK≤150
102. 1803 -- March, Massacre, Crew of American ship Boston, Nootka, Vancouver Isl.\(^{3069}\) -- 25
103. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
104. 1812 -- Aug 15, Pottawatomi Massacre of Soldiers/Homesteaders, Fort Dearborn, IL----98
105. 1812 -- Sep 4-5, Massacre of Settlers, by Shawnee, Pigeon Roost Settlement, IN -- 23
106. 1813 -- Aug 30, Creeks Massacre militia/settlers, Fort Mims, Baldwin Co., AL --250-517
107. 1813 -- Sep 01, Creek Massacre of two families in Clarke County, AL -- 12
108. 1813 -- Nov 3, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek Vil., AL-- 300
109. 1813 -- Nov 18, Hillabee Massacre, US Troops attack Creek Vil. suing for peace, AL-- 61
110. 1815 -- Apr 6, Massacre, American Prisoners-of-War, Dartmoor Prison, England -- 7- 9
111. 1828 -- Jedediah Smith Massacre by Natives, near Gardiner, OR -- 15
112. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA-55-65
113. 1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC~32--54
114. 1832 -- July~12, Battle of Pierre’s Hole, fur-trappers, natives on both sides, ID -- 13
115. 1833 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI-- < 60
116. 1833 -- Early Sum., Cutthroat Gap Massacre, Osage attack Kiowa, ~Saddle Mt., OK--150
117. 1836 -- Feb 23-March 6, Fall of the Alamo, Texans Revolt from Mexico -- 257
118. 1836 -- Mar 27, Mexican Pres. Santa Anna orders execution of prisoners, Goliad, TX-- 342
119. 1837 -- Spring, Santa Rita/John Johnson Massacre, Apache Trading Party, SW NM -- 20
120. 1838 -- May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK\(^{3070}\) ~4,000
121. 1838 -- Oct 8, Massacre of Surveying Party near Dawson, Navarro County TX -- 18
122. 1838 -- Oct 30, Haun’s Mill (Mormon) Massacre, Caldwell County, MO -- 18
123. 1840 -- March 19, Council House Fight, peace party Comanches (35), San Antonio, TX-42
124. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX-15-23
125. 1840 -- Aug 6, Council House Retaliation; Comanches take Victoria, Repub. of TX --12-15
126. 1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40
127. 1844 -- May 6-8, Riots, Protestant Nativists and Catholic Irish, Philadelphia, PA -- 14
128. 1844 -- July 6-8, Anti Irish-Catholic Nativist Riot/Military Response, Philly, PA --15-50

\(^{3068}\) Cross-listed in Maritime

\(^{3069}\) Cross-listed in Violence – Massacres of Whites by Natives.

\(^{3070}\) 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 – Master Set – Deadliest American – CHRONOLOGICAL (continued):

129. 1846 -- Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA -> 175
130. 1847 -- Jan 19-20 Mexican/Pueblo Revolt, against U.S. NM occupation, Taos vic. --16->19
131. 1847 -- Nov 29, Whitman Massacre, Missionaries, by Natives, near Walla-Walla WA -- 15
132. 1848 -- Violence, Vigilante Riot, Jailhouse, Cincinnati, OH -- 11
133. 1849 -- Mar Ore. miners kill Maidus, American River, Weber’s Creek, Coloma, CA -- >22
134. 1849 -- Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA->17
135. 1849 -- May 10, Astor Place Opera House Riot & Government Response, NYC --16-30

137. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA-- 11
139. 1850 -- Apr 03, Sioux Massacre Chippewa men, women, children, Apple River, WI-- 14
140. 1850 -- Apr 21, Quechan/Yuma Natives Massacre Glanton Gang, Winterhaven, CA -- 11
141. 1850--May, Jicarilla Apaches/Utes Massacre US Mail wagon train, Wagon Mound, NM-10
142. 1850 -- May 19, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA -- >75
143. 1850--May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA-- >75

144. 1851 -- Massacre, White Miners Burn Wintu Council House, Old Shasta, CA -- 300
145. 1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA-13
146. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA-- 72
148. 1851 -- Jun, Battle Rock battle, Pacific Mail men kill natives with cannon, Port Orford, OR-13-30
149. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Vly., OR----12-22
150. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
151. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR--5--15

152. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA-30-40
153. 1852 -- Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA-140-153
154. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9--30
155. 1852 -- Jul 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20
156. 1852 -- Sum., Capt Crosby force massacre Modocs, Tule Lake reg., CA/OR Border --11-15
157. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA--62
158. 1852 -- Nov, Ben Wright Massacre of Modocs, peace talks, Lost Ri., Tule Lake, CA-30-41

159. 1853--Burnt Ranch Massacre, Settlers kill Tolowa, Yontocket, Smith Ri., No. CA-450-600
160. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA-- 27
161. 1853 -- Mar 1, Cattle theft reported; whites attack natives in cave near Oak Grove, CA-- 13
162. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR--13-19
163. 1853 -- Fall, Natives Kill Chinese, west branch Feather River, Butte County, CA -- 10
164. 1853 -- Fall, White/Chinese retaliatory attack re. Natives, Feather Ri., Butte Co., CA-40-60

165. 1854 -- Jan 29, Coos Co. whites massacre Coquilles, Whiskey Run, no. of Coquille Ri., OR-16
166. 1854 -- Feb 15, Miller group massacres Chetco River Natives ~river mouth, SW OR-- ~26
167. 1854 -- May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA-32--40
168. 1854 -- Apr 25, Arson, Jennings Building (all firemen), Broadway, NY, NY

169. 1854 -- Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO

170. 1854 -- Aug 20, Ward Massacre, Natives attack wagon train, Boise River ~Caldwell ID

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

171. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA--30->100

172. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH

173. 1855 -- Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY

174. 1855 -- Sep, “Cpt.” Jarboe force Massacres Achomawi Natives, Pit River village, CA--70

175. 1855 -- Oct 08, Lupton Massacre, Whites attack Natives ~Upper Table Rock, OR

176. 1855 -- Oct 9, Indians retaliate & attack settlers, upper Rogue River Valley, OR

177. 1855 -- Oct 27-28, White/Native Conflict, Puget Sound area, White River val., WA

178. 1856 -- Feb 22/23, Natives attack garrison & settlers, Rogue River, Whaleshead, OR

179. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA--40

180. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama

181. 1856 -- Jun 2-3 USA Cpt. Augur & Vols. attack natives, Painted Rock Rogue Ri., OR

182. 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS

183. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR

184. 1857 -- Mar 8-9, Massacre, Wahpetuke Dakota (Sioux) attack Spirit Lake IA

185. 1857 -- Sep 03, Massacre, Col Harney Attacks Sioux Camp, Bluewater Creek, NE

186. 1857--Sep 11, Mt. Meadows Massacre, Mormons/Paiutes attack Wagon Train, UT

187. 1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA

188. 1858 -- Early-mid Jun, Whites attack Mattole Natives, Mattole Vlly., Humboldt Co.--15-20

189. 1858 -- Dec 31, Whites kill Natives ~Eden Valley, Russian Riv. area, Sonoma Co., CA

190. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA

191. 1859--Late Mar-mid Apr, Whites kill Natives, Round Valley, Mendocino Co., CA--300-400

192. 1859 -- May, Whites Massacre Yuki Natives, Round Valley, Mendocino County, CA--240

193. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA

194. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA

195. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA

196. 1859 -- Summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA--~10

197. 1859 -- ~Late Aug, McElroy party massacres Natives Roff’s Ranch, Pitt Riv. vic., CA

198. 1859 --~Oct 11, Massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA

199. 1859 -- Oct 16-18, John Brown Insurrection, Harper’s Ferry, VA

200. 1859 -- ~Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA

201. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA

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3071 Cross-listed in Fires-Structural.
3072 Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.
202. 1860 -- Whites attack Yuki Natives near Round Valley, Mendocino County, CA -- 250
203. 1860 -- Feb 26, Whites Massacre Natives, Indian Isl. & Humboldt Bay vic., CA->100->250
204. 1860 -- Fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR-- 39

**VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL** (continued):

205. 1861 --Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA-13-39
206. 1861 -- Apr 19, Secession Mob Attacks 6th MA & 7th PA Regiments, Baltimore -- 16
207. 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
208. 1861--Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val. CA-100-240

209. 1862 --Aug, Massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA-23-24
210. 1862--Aug 10, Rebel cav. attacks fleeing Germans, Nueces River, Kenney Co., TX3073-9-28
211. 1862 -- Aug 17-Sep, Violence, Sioux “Insurrection,” Litchfield, elsewhere, MN --300-650
212. 1862 -- Oct 18, Unionist disappears, Union Col. executes Reb. prisoners, Palmyra, MO--10
213. 1862 -- Oct 24, Massacre of Tonkawa by pro-Union Natives near Anadarko, OK --136-150

214. 1863 -- ~Jan 18, Shelton Laurel Massacre, Rebels murder Unionists, Madison Co., NC-- 13
215. 1863 -- Jan 29, Massacre, Shoshoni Village attacked, Bear River, Utah Territory -- 384
216. 1863 -- Apr 11, Chilula Massacre by Hoopa/Chilulas ~Stone Lagoon, Humboldt Co., CA-30
217. 1863 -- Apr 19, Keysville Massacre, US Army attacks Natives, near Keysville, CA -- 35
218. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY --105-~120
219. 1863 -- Aug 4, Massacre, Confederates kill captured Union black soldiers, Jackson, LA--23
220. 1863 -- Aug 21, Atrocity/War Crime, Quantrrell’s Raiders, Lawrence, KS -- 191
221. 1863 -- Sep 3, Massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill ND-150-300
222. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA~32

223. 1864 -- Feb 20, Atrocity, Confederates kill wounded black US soldiers, Olustee, FL--25-75
224. 1864 -- Apr 12/13, Massacre, Confederates kill captives, esp. Black, Fort Pillow, TN--300
225. 1864 -- Apr 18, Rebels & Choctaws kill wounded/captured blacks, Poison Spring, AR-->10
226. 1864 -- Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC-300-400
227. 1864--Apr 25, Rebels murder runaway slaves with Union force, Marks’ Mills, AR-100-150
228. 1864 -- Apr 30, Captured and/or wounded soldiers killed, Battle of Jenkins’ Ferry, AR->20
229. 1864 -- Jun 10, Confederates kill captured black soldiers, Battle of Brice’s Cross Roads, MS-->20
230. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory--100
231. 1864 -- July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA----500
232. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~Berryville, VA-->10
233. 1864 -- Sep, General massacre of Yana Natives, Northern CA -->335-500
234. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK<40
235. 1864--Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO3074-22-27
236. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70

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3073 The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.
3074 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.
237. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO--130-150

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

238. 1865-Jan 25, Guerrillas kill black Union soldiers herding cattle --Simpsonville, KY3075 19-28
239. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA--40
240. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN3076 46-48
241. 1866 -- May 19-21, Massacres of Chinese Miners by Natives, Battle Creek vic., OR 50-150
242. 1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA --38-48
243. 1867 -- Apr 18, Labor Riot, Silver Bend Mining Co., Belmont, NV -- 20
244. 1868 -- July 15 time-frame, White vs. Black Conflict, Milican, Brazos Co., TX -- 6-15
245. 1868 -- Aug ~14-16, Cheyenne Raids on Settlers in and around Asher Creek, KS -- ~12
246. 1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300
247. 1868 -- Nov 27, “Battle” of the Washita, Custer attacks Cheyenne village, OK -- 103

248. 1870 -- Jan 23, Massacre, Marias Ri. Piegan Tribe attacked by 2nd Cav., MT Territory--173

249. 1871 -- Cowboys (4) Massacre Yahi women/children, Kingsley Cave, Tehama Co., CA--30
250. 1871 -- Mar 6-7 approximately, Racial Violence, Meridian, MS --25-30
251. 1871 -- Apr 30, Massacre of Apaches, Camp Grant Arivaipa, Arizona Territory --125-150
252. 1871 -- July 12, Boyne Day Parade and Religious “Orange Riot,” NYC -- < 60
253. 1871 -- Oct 24, Racial Violence and Massacre, Chinatown, Los Angeles, CA -- 21
254. 1871 -- Nov 5, Violence-Trampling, African Baptist Meeting-house, Louisville KY -- 11

255. 1872 -- Apr 15, Shoot-out, U.S. Marshals & Cherokee, Indian Court House, OK -- 11
256. 1872 -- Nov 29-30 Modoc “Hooker Jim” band kills white males, SE Tule Lake, CA --14-18

257. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana --67-105
258. 1873 -- Aug 5, Dakota/Sioux war party attack Pawnee camp, Massacre Canyon, NE-- ~70

259. 1874 -- Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR -- >200
260. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA--10-226
261. 1874 -- Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA-27-38
262. 1874 -- Dec 07, Violence-Massacre, Whites attack Blacks, Vicksburg, MS -- 50

263. 1875 -- Sep 4-6, Racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS --37-57

1876 -- July 08, Whites attack blacks (inc. Co. A 9th Regiment SCNG) Hamburg, SC-- 7
264. 1876 -- Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken & Barnwell Co’s. SC --25-100
265. 1876 -- Oct 30, Fire Scare/Trampling, Chinese Royal Theatre, Jackson St. SF, CA --19-20
266. 1876 -- Dec 5, Fire, Trampling, Suffocation, Conway Theater, Brooklyn, NY3077 --284-300

3075 A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without controversy.
3076 Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire.
3077 Cross-listed in Fire-Structural
267. 1877 -- Jun 14-15, Nez Perce attack settlers on and near Salmon River, no. ID --18-~28
268. 1877 -- Jul 10, Chief Joseph’s Nez Perce Massacre Chinese, Clearwater River, ID --30-31
269. 1877 -- Jul 20-26, Great Railroad Strike, Clash with Police/Mil., MD/IL/PA --92-100

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

270. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
271. 1879 -- Oct 11-19, Apache Massacre settlers, CO and NM --21-40

272. 1882 -- June, Slave Insurrection Conspiracy Charge, Executions, Charleston, SC -- 35
273. 1883 -- May 30, Crushing/Trampling, Brooklyn Bridge, NY, NY -- 12
274. 1883 -- Aug 12, Massacre, Santa Fe Railroad Surveyors Attacked by Apaches -- 13
275. 1884 -- Mar 28-30, Hamilton County Courthouse Riots, Cincinnati, OH --45-56
276. 1884 -- June 4, Infant Bodies found, Nivison Home for Infants, Hammondton, NJ -- 21
277. 1884 -- Nov 01, Political Riot, Loreauville, Iberia Parish, LA -- >18
278. 1884 -- Nov 13, Sabotage, Houston & TX Central Train derails, ~Hempstead, TX (3078) --9-12
279. 1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA (3079) --19-20
280. 1885 -- Sep 2, Labor/Racial Violence/Mass., Chinese Miners, Rock Springs WY (3080) -- 28
281. 1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre, Carrollton, MS -- 13
282. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL -- 11
283. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR -- 35
284. 1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA (3081) --30->50
286. 1888 -- Dec 08, Hawes Lynch Mob fired on, Jefferson Co. Jail, Birmingham, AL --10-15
287. 1889 -- Dec 10, Fire Scare, Trampling, Parke Theater/Opera House, Johnstown, PA -- 12
288. 1889 -- Dec 25, Racial Violence, Jesup, GA --6-~10

289. 1890 -- Massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD -- 35
290. 1891 -- Apr 02, Violence, Deputies Kill Strikers, Morewood Mine, Morewood, PA -- 11
292. 1892 -- July 06, Violence, Strikers & Pinkertons, Carnegie Steel, Homestead, PA -- 11
293. 1895 -- Dec 27, Fire Panic, Trampling, Front St. Theater, Baltimore, MD -- 27
294. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA -- 19
295. 1898 -- Oct 12, Labor Violence, coal miners and mine guards shootout, Virden, IL --12-13
296. 1898 -- Nov 10, Racial and Political (local coup d’état) Violence, Wilmington, NC --22-26
297. 1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ (3082) -- 16
298. 1900 -- Jul 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken NJ (3083) --13-14
299. 1900 -- Jul 24-27, Anti-black riots (re. Robert Charles shootings), Newberkn, LA (3084) --12

(3078) Cross-listed in Violence subsets Mass Murder and Sabotage.
(3079) Cross-listed in Fire-Structural and in Violence subset of Mass Murder.
(3080) Cross-listed under Violence-Racial.
(3081) There were unconfirmed reports of up to 300 fatalities.
(3082) Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
(3083) Cross-listed in Fire-Structural.
(3084) This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.
300. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO -- 15
302. 1902 -- Apr 30, False-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA-- 8-10
303. 1902 -- Sep 20, Panic/Stampedes, Shiloh Baptist Church Birmingham, AL -- 115
304. 1903 -- Dec 30, Trampling, Suffocation, Iroquois Theater Fire, Chicago, IL 3085 -- 602
305. 1904 -- Mar 23-24, Racial Violence Against Blacks, St. Charles, AR -- 13
306. 1904 -- Jun 6-8, Labor Viol., Bombing/Shooting, Cripple Creek, Teller County, CO -- 21
307. 1905 -- Apr 30, False-alarm fire panic, Harburger, Homan Cigar Factory, Philly, PA -- 8-10
308. 1905 -- Apr 6-Jul 19, Labor Violence, Teamsters’ Strike and Riots, Chicago, IL -- 21
309. 1905 -- Jun 21, Sabotage, Train Derails, Twentieth Century Ltd., Mentor OH 3087 -- 19-21
310. 1906 -- Jan 21, Fire, Trampling, St. Paul’s Baptist Church, Philadelphia, PA -- 18
311. 1906 -- Sep 22-26, Race Rioting, Atlanta, GA -- 25-40
312. 1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA 3088 -- 169-175
313. 1908 -- Mar 04, Fire/Trampling/Suffocation, Lakeview Sch., Collinwood, OH 3089 -- 172-178

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

315. 1910 -- July 29-30, Racial Rioting, Whites attack Blacks, Slocum, TX and vicinity -- 18-28
316. 1910 -- Oct 01, Labor Violence, Trade Unionist bombing, LA Times, Los Angeles, CA -- 21
317. 1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN -- 20
318. 1911 -- Aug 26, Trampling/Suffocation, Opera House, Canonsburg, PA -- 26
319. 1912 -- June 10, Family and two girls Murdered in Sleep with Axe, Villisca, IA -- 8
320. 1913 -- Feb 10, Labor Vio., Miners/Guards Clash, ~Mucklow, Kanawha County WV -- 16
321. 1913 -- Sep 28, Mass Murder Shooting Spree, Lynching, Harriston, MS -- 11-12
322. 1913 -- Dec 24, Crushing/Trampling Italian Hall Disaster, Calumet, MI -- 73-75
323. 1914 -- Apr 20, Ludlow Massacre, Gov. Force, (CO NG Attacks Mining Strikers) 3090 -- 18-25
324. 1914 -- Sep 18, Sabotage, Train Derailment, Livingston, AL -- 10
325. 1915 -- Oct 28, Fire, Trampling, St. John’s Parochial School, Peabody, MA 3091 -- 21
326. 1915 -- Nov 5, Labor Violence, IWW workers/local law enforcement, Everett, WA 3092 -- 7
327. 1916 -- Jan 10, Mass Murder, Americans on Train 50M W. Chihuahua City, MX -- 16-17
328. 1916 -- Mar 09, Pancho Villa Attacks Columbus, NM -- 18
329. 1916 -- March 5-6, Daniel Okane kills Family (7) and commits suicide, Lawton, OK -- 8
330. 1916 -- Jul 22, Mass Murder, Preparedness Day Parade Bombing, San Fran. CA -- 10
331. 1916 -- Nov 5, Labor Violence, IWW workers/local law enforcement, Everett, WA 3092 -- 7
332. 1916 -- Mass Killing, Archer Home for Elderly, Winsor, New Haven County, CT -- 10

3085 Cross-listed in Fire-Structural
3086 Cross-listed under Structural Failures
3087 Cross-listed in Rail and in Violence subsection Mass Murder.
3088 Cross-listed in Fire-Structural
3089 Cross-listed in Fire-Structural
3090 Cross-listed under Violence Subsets – Governmental Use of Force and in Labor-Related.
3091 Cross-listed in Fire-Structural and in Violence subset of Crushing, Trampling, Suffocation. Most of the girls died at the door block.
3092 Cross-listed in Violence subsets Governmental Use of Force and Labor-Related.
329. 1917 -- July 1-3, especially July 2, East St. Louis anti-Black Race Riots, IL --48-200
330. 1917 -- Aug 23, 24th Infantry (Black)/Camp Logan Mutiny/Racial Riot, Houston, TX -- 20
331. 1917 -- Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI -- 10

**VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):**

332. 1918 -- Oct 04, Attack, Steamer San Sabo hits mine, 15 mi. SW of Barnegat, NJ\(^{3093}\) -- 30
333. 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
1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA-- 6
335. 1919 -- Nov 22, Stove Explosion/Fire/Crushing, Dance Hall/Store, Ville Platte LA\(^{3094}\) --25-28

336. 1920 -- May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV --10-11
337. 1920 -- Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY\(^{3095}\) --30-38

338. 1921 -- May 12-15, Battle of the Tug, coal mine labor conflict, Mingo County, WV -- 6-20
339. 1921 -- May 31-Jun 1, Race Riot, Whites attack Blacks, Greenwood, Tulsa, OK --38--200

341. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL\(^{3096}\) -- 23
342. 1922 -- Jul 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
343. 1924 -- Sep 9, Labor Violence, Filipino Strikers/Sheriffs Clash, Hanapepe, Kauai, HI-- 20
344. 1927 -- May 18, Dynamite Bombing, Bath Township Consolidated School, MI\(^{3097}\) -- 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
1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8

345. 1932 -- Jun 07, Explos./Arson/Mass Murder, Ellington Apartments, Cleveland, OH\(^{3098}\) --13
1932 -- Nov 24, Violence, Julian Marcelino Rampage with knives, Seattle, WA -- 6

\(^{3093}\) Cross-listed in Maritime.
\(^{3094}\) Cross-listed in Explosions and in Fires/Structural – about half the fatalities were due to crushing.
\(^{3095}\) Cross-listed in Violence-Bombing, violence Mass Murder and in Violence-Terrorism.
\(^{3096}\) Two striking union-miners were killed by mine guards on June 21 when attacked by a large group of the striking miners and one other died of his wounds on July 13. Nineteen to twenty 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.
\(^{3098}\) Cross-listed in Fire-Structural and in Violence subset of Mass Murder.
1933 -- June 17, Shooting murder of four law officers plus prisoner, Kansas City, MO-- 5
346. 1935 -- Sep 29, Arson Fire/Mass Murder, Tenement, Chicago, IL 3099 -- 10
347. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19
348. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL 3100 -- 19
349. 1939 -- Aug 12, Sabotage, Train Derails, South Pacific Railroad Carlin, NV 3101 -- 24

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

350. 1940 -- April 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
351. 1941 -- Oct 17, Attack. USS Kearny Torpedoed by German Submarine, off Iceland 3102 -- 11
352. 1941 -- Oct 31, Attack, USS Reuben James Sunk, German Sub, near Iceland 3103 -- 115
353. 1941 -- Dec 07, Attack by Japanese on Pearl Harbor, HI -- 2,402
354. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, Ma 3104 -- 498
355. 1943 -- June 20-22, Detroit Racial Rioting, MI -- 34
356. 1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA 3105 -- 22
357. 1945 -- May 5, Attack, Civ. US Steamer Black Point Torpedoed off Point Judith, RI 3106 -- 12
358. 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT-- 9
359. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV 3107 -- 15
360. 1949 -- Sep 06, Howard Barton Unruh Rampage Mass Shooting, Camden, NJ 3108 -- 13
361. 1950 -- Apr 8, USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area 3109 -- 10
362. 1950 -- Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC- 2
363. 1951 -- Nov 6, Attack, P2V-3W Downed, Soviet plane, Sea of Japan off Vladivostok-- 10
364. 1952 -- Jun 13, Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan 3111 -- 12
365. 1953 -- July 29, Yokota Air Base, Japan, USAF RB-50, shot down, Sea of Japan 3112 -- 16
366. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO 3113 -- 44
367. 1956 -- Aug 22, Attack, Navy P4M-1Q Shot Down near Wenchow, China 3114 -- 16
368. 1958 -- Sep 2, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR 3115 -- 17

3099 Cross-listed in Fire-Structural and in Violence subset of Mass Murder.
3100 Cross-listed in Violence sub-sections Governmental Use of Force and Labor-Related.
3101 Cross-listed in Rail.
3102 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.
3103 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.
3104 Cross-listed in Fire-Structural.
3105 Cross-listed in Violence subset Arson.
3106 Cross-listed in Maritime.
3107 Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).
3108 Cross-listed in Violence subsets of Mass Murder and Shooting Spreees.
3109 Cross-listed in Aviation.
3110 Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.
3111 Cross-listed in Aviation.
3112 Cross-listed in Aviation.
3113 Cross-listed under Aviation.
3114 Cross-listed in Aviation.
369. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mex
3116  --  42
370. 1959 – Nov 16, National Air Flight 967 Crashes, suspected sabotage, Gulf of Mex. 3117-- 42

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

371. 1960 – Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC 3118 -- 34
372. 1962 -- May 22, Mass Murder, Cont. Flight 11 Blown-Up over Unionville, MO 3119 -- 45
373. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ 3120 -- 25
374. 1964 – May 07, Mass Mur., Pilot Shot, Pacific Air 773 Crashes, San Ramon, CA, 3121 -- 44
375. 1965 -- Aug 11-17, Watts Race Riots, Los Angeles, CA -- 34
376. 1965 -- Dec 11, Arson Fire/Mass Murder, Seeley Club (Tavern), Chicago, IL 3122 -- 13
377. 1966 -- July 14, Richard Speck Mass Murder of Nurses, Dorm Room, Chicago, IL -- 8
378. 1966 -- Aug 01, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper-- 3123 16-17
379. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK 3124 -- 14
380. 1967 -- Jun 08, Attack, USS Liberty by Israeli Air and Naval Craft, near Sinai Penn.-- 34
381. 1967 -- July 12-17 (esp. 13th), Police Violence and Racial Rioting, Newark, NJ 3125 --25-26
382. 1967 -- July 23-26, Detroit Race Riots, Army, Mich. NG, Detroit & State Police, MI-- 43
383. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO 3126 -- 12
384. 1968 -- Apr 01, Attack, Navy P3B Coastal Surveillance Downed, Gulf of Thailand 3127 -- 12
385. 1968 -- Apr 4-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC, --42-46
386. 1969 -- Apr 14, Attack, Navy EC-121M Shot Down by North Korea, Sea of Jap 3128 -- 31
387. 1969 -- June 8, Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV 3129 -- 12
388. 1970 -- Mar 20, Ozark Hotel (“flophouse”), Arson Fire, Seattle, WA 3130 -- 20
389. 1970 -- May 04, Kent State Demonstration and OH National Guard Shootings, OH -- 4
393. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ 3133 -- 10
394. 1973 -- June 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA 3134 -- 32

3115 Cross-listed in Aviation.
3116 Cross-listed in Aviation.
3117 Cross-listed in Aviation. Presumed explosion thought to be for collection of insurance.
3118 Cross-listed in Aviation.
3119 Cross-listed in Aviation.
3120 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.
3121 Cross-listed in Aviation.
3122 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3123 Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.
3124 Cross-listed in Fire-Structural.
3125 One death was a drug overdose. Have not been able to determine why this was attributed to the rioting.
3126 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3127 Cross-listed in Aviation.
3128 Cross-listed in Aviation.
3129 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3130 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3131 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3132 Cross-listed in Prison Riots.
3133 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
393. 1975 -- Mar 30, Violence, mass murder, James Ruppert shoots relatives, Hamilton, OH--11
394. 1975 -- May 14, Attack, USS Mayaguez Khmer Rouge, Koh Tang Island Cambodia3135- 16
395. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR3136--11-12
396. 1975 -- Dec 29, Mass Mur., Bomb Explosion, LaGuardia AP Terminal, Brooklyn NY-- 13
397. 1976 -- Jan 30, Arson Fire, Wincrest Nursing Home, Chicago, IL3137-- 24
398. 1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN3138-- 42
399. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA3139-- 12
400. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana3140-918
401. 1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ3141-- 21
402. 1979 -- July 31, Arson Fire (smoke inhalation deaths), Holiday Inn, Cambridge, OH3142--10
403. 1979 -- Dec 3, WHO Concert Crushing/Trampling, Riverfront Colsm., Cincinnati OH-- 11

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

404. 1980 -- Feb 2-3, NM State Penitentiary Uprising/Inmate Killings, ~Santa Fe, NM -- >33
405. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami FL--18
406. 1980 -- July 5-6, smugglers abandon immigrants, dehydration, Organ Pipe Cactus Nat. Mon., AZ3143--13
407. 1980 -- Sep 20, ex-wife & family killed by ex-husband’s booby-trap bomb, Olathe, KS-- 6
408. 1980 -- Oct 28, Arson Fire, Apartment Building, Chicago, IL3144-- 10
409. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson),3145 Harrison, NY-- 26
410. 1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
412. 1982 -- April 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ3147-- 13
414. 1982 -- July 5, Arson Fire, Apartment Building, Waterbury, CT3148-- 14
415. 1982 -- Aug 20, Rampage shooting (8), mentally disturbed man (killed), Miami, FL3149-- 9
416. 1982 -- Sep 4, Mass murder/arson, Dorothy Mae Apts./Hotel, Los Angeles, CA --24-25
417. 1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA-- 13

3134 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3135 Cross-listed in Maritime.
3136 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3137 Cross-listed in Fire-Structural.
3138 Cross-listed in Fire-Structural and in Violence subset of Arson.
3139 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3140 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.
3141 Cross-listed in Fire-Structural and in Violence subset of Arson-Manslaughter/Homicide.
3142 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3143 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.
3144 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3145 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.
3146 Cross-listed in Fire-Structural and in Violence subset-Arson, Manslaughter/Homicide.
3147 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3148 Cross-listed in Fire-Structural.
1983 -- Feb 19, Fatal shootings (13 of 14), Wah Mee Club, Seattle “Chinatown”, WA-- 13
1983 -- Apr 18, Terrorism, US Embassy suicide bombing, Beirut, Lebanon -- 17 US of 63

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

1983 -- Oct 23, Terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon -- 241
1984 -- Apr 15, Mass Murder, Christopher Thomas “Palm Sunday Massacre,” NYC-- 10
1984 -- May-Nov, Bobby Joe Long Serial Killings of women, Tampa Bay Area, FL-- >10
1984 -- July 04, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA 3150 -- 15
1984 -- July 18, Mass Killing, James Oliver Huberty, McDonald’s, San Ysidro, CA -- 21
1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ 3151 -- 15
1986 -- Aug 20, Postal worker Pat Sherrill Mass Shooting, Post Office, Edmond, OK 3153
1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico 3154 -- 97
1987 -- May 17, USS Stark hit by Iraqi Air Force Mirage missiles, Persian Gulf 3155 -- 37
1987 -- July 11-12, Man shoots wife, two children, parents, in-laws, Federal Way, WA-- 8
1987 -- Dec 07, Mass Mur., Pac. SW Flight 1771 Hijacked/Crashed, Cayucos, CA 3156 -- 43
1988 -- Dec 22, 26, 28, R. Gene Simmons Killing Spree, Dover & Russellville, AR -- 16
1989 -- Jan 17, School Shooting, Cleveland Elementary School, Stockton, CA -- 3158
1989 -- Sep 14, Assault Rifle Workplace Mass Murder (8)/Suicide, Louisville, KY -- 9
1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY 3159 -- 87
1990 -- June 17-18, Violence/Shootings, esp. GMAC (18th), Jacksonville, FL 3160 -- 11-12
1991 -- Oct 16, Violence, Rampage Shooting, Luby’s Restaurant, Killeen, TX 3161 -- 23-24
1991 -- Nov 01, Gang Lu Killing Spree, University of Iowa, Iowa City, IA -- 3162
1992 -- April 29-May 4, Riots following Rodney King Verdict, Los Angeles, CA -- 53-54
1992 -- July 7, Arson Fire set by mother kills six of her children, Baltimore, MD 3163 -- 6

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3150 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3151 Cross-listed in Fire-structural. (Originally a hotel, but had become a low-rent apartment building.)
3152 Cross-listed in Fire-Structural and in Violence subset Arson, Manslaughter/Homicide.
3153 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.
3154 Cross-listed in Fire-Structural and in Violence subsection of Mass Murder.
3155 Cross-listed in Maritime.
3156 Cross-listed under Aviation.
3157 Sub-listed in Terrorism and cross-listed in Aviation.
3158 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.)
3159 Cross-listed in Fire-Structural
3160 James Edward Pough shot and killed two people on the 17th. The 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.
3161 Twenty-three killed by the shooter, George Hennard, who killed himself after being wounded by police.
3162 Four University of Iowa faculty and one student killed before gunman commits suicide.
3163 Cross-listed in Fire.
1993 -- Feb 27, Arson Fire & Mass Murder, Apartment Building, Providence, RI\(^{3164}\) -- 6
1993 -- Feb 28, Shootout, Large ATF force attempts to serve David Koresh, Waco, TX\(^{3165}\) -- 10
1993 -- April 19, FBI/ATF attack Branch Davidian Compound/fire near Waco, TX--75
1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA\(^{3166}\)-10
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
1997 -- ~March 23, Mass Suicide, Heaven’s Gate Cult, Rancho Santa Fe, CA -- 39
1998 -- Jan 29, Abortion Clinic Bombing, (Erick Rudolph), Birmingham, AL -- 1
1999 -- July 27-29, Workplace Shootings/9; family killed/3; suicide/1; Atlanta, GA -- 13
1999 -- Oct 31, Mass Murder, Egypt Air Flight 990 Crash, off Nantucket Is. MA\(^{3169}\)-- 217
1999 -- Nov 02, Workplace Mass Murder Shootings, Xerox, Honolulu, HI\(^{3170}\) -- 7

**VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):**

442. 2000 -- Oct 12, Suicide Terrorism, USS *Cole* Bombed, Port of Aden, Yemen -- 17
443. 2001 -- May ~24, Smugglers abandon immigrants without water in desert heat, AZ\(^{3171}\) -- 14
444. 2001 -- Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA\(^{3172}\)--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
445. 2002 -- Oct 2-24, Terrorism, DC Beltway Sniper Killings, Wash. DC Vicinity -- 10
446. 2002 -- Oct 13, Decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11
447. 2003 -- Feb 17, Stampede/Crushing/Asphyxiation, E2/Epitome Night Club, Chicago, IL-- 21
448. 2003 -- Feb 20, Fire, Trampling, Station Nightclub, West Warwick, RI\(^{3173}\) -- 100
449. 2003 -- May 13-14 Illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX-- 19
450. 2003 -- Oct 25-Nov 4, Arson Wildfires (esp. Cedar, Old Fire, Paradise), Southern CA\(^{3174}\)--22-24
451. 2004 -- Sep 12, Arson Fire, Lincoln Park West Apartments, Prairie Township, OH -- 10
452. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA\(^{3175}\) -- 11
453. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN --\(^{3176}\)9-10
   2005 -- May 21, Arson Fire, House during child’s birthday sleepover, Cleveland, OH\(^{3177}\)--9

\(^{3164}\) Cross-listed in Fire-Structural.
\(^{3165}\) Four ATF agents/six Davidians. See 4-19-1993 on FBI/ATF attack, wherein 75 Davidians (25 children) died.
\(^{3166}\) Cross-listed in Fire-Structural and in Violence subset-Arson.
\(^{3167}\) Cross-listed in Explosions and in Fire-Structural.
\(^{3168}\) Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.
\(^{3169}\) Cross-listed in Aviation.
\(^{3170}\) Cross-listed in Violence subsections Mass Murder and Mass Shootings.
\(^{3171}\) Cross-listed in Heat.
\(^{3172}\) The four planes involved are cross-listed in Aviation.
\(^{3173}\) Cross-listed under Fire-Structural
\(^{3174}\) Cross-listed in Fires – Forest, Prairie and Wildfires.
\(^{3175}\) 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.
\(^{3176}\) Killed were nine people -- 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.
\(^{3177}\) Cross-listed in Fire-Structural.
2006 -- Mar 26, Mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA
2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA
2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV
2006 -- Oct 31, Arson, Mizpah Hotel, North Lake St., Reno, NV
2007 -- Apr 16, Virginia Tech Shootings, Blacksburg, VA
2008 -- Feb 14, Classroom Killings, Northern Illinois University, DeKalb, IL
2009 -- Mar 10, Mass Murder, McLendon Shooting Spree, Geneva County, AL
2009 -- April 3, Mass Killings, Immigration Services Center, Binghamton, NY
2009 -- Nov 05, Mass Killing, Army Major, Fort Hood, TX

VIOLENCE – Master Set – Deadliest American – CHRONOLOGICAL (continued):

2010 -- Aug 3, Workplace shootings, worker kills 8 coworkers/self, Manchester, CT
2012 -- Apr 02, School Shootings, Oikos University, Oakland, CA
2012 -- July 20, James Holmes Mass Shooting, Century 16 Theater, Aurora, CO
2012 -- Aug 05, Sikh Temple of Wisconsin Rampage Mass Shooting, Oak Creek, WI
2012 -- Dec 14, Mass Shooting, Sandy Hook Elementary School, Newtown, CT
2013 -- Apr 15, Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA
2013 -- Sep 16, Navy Yard Mass Shooting, Washington, DC
2014 -- May 23, Mass Murder, Univ. of California at Santa Barbara, Isla Vista, CA
2015 -- May 17, Violence, Biker-Gangs/Police Shoot-Out at Twin Peaks restaurant, Waco, TX
2015 -- June 17, Violence -- Mass Shooting, AME Church, Charleston, SC
2015 -- Oct 1, Mass shooting, Umpqua Community College, Roseburg, OR
2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA
2016 -- Feb 20, Violence, Uber driver random mass shootings, Kalamazoo, MI
2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL
2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN
2017 -- July 23, Migrants die in hot semi trailer found in parking lot, San Antonio, TX
2017 -- Oct 1, Shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV
2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC
2017 -- Nov 5, Mass Shooting, First Baptist Church, Sutherland Springs, TX
2018 -- Feb 14, School Shooting, Marjory Stoneman Douglas High Sch., Parkland, FL
2018 -- May 18, School Shooting, Santa Fe High School, Santa Fe (near Houston), TX
2018 -- Oct 27, Mass Shooting, Tree of Life Synagogue, Pittsburgh, PA

3178 The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.
3179 Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.
3180 Cross-listed in Fires-Structural and in Violence subset of Mass Murder.
3181 Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter.
3182 Five student victims and the gunman suicide.
3183 Shooter shoots and kills thirteen people and then shoots himself fatally.
3184 Cross-listed in Two Violence subsets -- Rampage Shootings, and School Shootings.
3185 Shooter killed 27 – 20 children and 6 adults at the school, plus his mother at home. Committed suicide (#28).
3186 Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.
3187 Six students were shot or stabbed to death before the killer shot himself in the head.
3188 The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.
3189 Sub-listed in Mass Murder and in Terrorism.
3190 Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50.
3191 Cross-listed in Fire-Wildfires.
3192 Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.
   2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL-- 6
474. 2019 -- Aug 3, white supremacist lone gunman mass shooting, Walmart, El Paso, TX-- 22
475. 2019 -- Aug 4, 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
VIOLENCE Subset – ARSON Manslaughter/Homicide – By Mortality

1. 1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico 3193 -- 97
2. 1990 -- Mar 25, Arson Fire, Happy Land Social Club, Bronx, NY 3194 -- 87
3. 1977 -- June 26, Arson Fire, Maury County Jail, Columbia, TN 3195 -- 42
4. 1973 -- June 24, Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA 3196 -- 32
5. 1970 -- Dec 20, Arson Fire, Pioneer International Hotel, Tucson, AZ 3197 -- 28
6. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson), Harrison, NY -- 26
7. 1963 -- Nov 18, Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ 3199 -- 25
8. 1982 -- Sep 04, Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA 3200 -- 24-25

11. 1944 -- Mar 28, Arson Fire, New Amsterdam Hotel, San Francisco, CA 3203 -- 22
12. 1979 -- Jan 20, Arson Fire, Tenement, Clinton Street, Hoboken, NJ 3204 -- 21
13. 1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA 3205 -- 19-20
15. 1900 -- Mar 12, Arson Fire (charged), Italian Tenement Building, Newark, NJ 3207 -- 16
16. 1947 -- Dec 25, Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV 3208 -- 15
17. 1984 -- July 4, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA 3209 -- 15
18. 1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ 3210 -- 15
19. 1900 -- July 3, Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken, NJ 3211 -- 13-14
20. 1966 -- Sep 12, Lane Hotel arson fire, Anchorage, AK 3212 -- 14
21. 1982 -- July 5, Arson Fire, Apartment Building, Waterbury, CT 3213 -- 14
22. 2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN 3214 -- 14

3193 Cross-listed in Fire-Structural.
3194 Cross-listed in Fire-Structural.
3195 Cross-listed in Fire-Structural.
3196 Cross-listed in Fire-Structural.
3197 Cross-listed in Fire-Structural.
3198 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.
3199 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.
3200 Cross-listed in Fire-Structural.
3201 Cross-listed in Fire-Structural.
3202 Cross-listed in Fires – Forest, Prairie and Wildfires.
3203 Cross-listed in Fire-Structural.
3204 Cross-listed in Fire-Structural.
3205 Cross-listed in Fire-Structural.
3206 Cross-listed in Fire-Structural.
3207 Cross-listed in Fire-Structural.
3208 Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).
3209 Cross-listed in Fire-Structural.
3210 Cross-listed in Fire-structural. (Originally a hotel, but had become a low-rent apartment building.)
3211 Cross-listed in Fire-Structural.
3212 Cross-listed in Fire-Structural.
3213 Cross-listed in Fire-Structural.
3214 Cross-listed in Fire-Wildfires.
23. 1932 -- June 7, Arson Fire (explosion set?), Ellington Apartments, Cleveland, OH -- 13
24. 1965 -- Dec 11, Arson Fire, Seeley Club (Tavern), Chicago, IL -- 13
25. 1982 -- April 30, Arson Fire, Pinter (residential) Hotel, 14th Street, Hoboken, NJ -- 13

26. 1965 -- Dec 20, Arson Fire, Jewish Community Center, Yonkers, NY -- 12
27. 1968 -- Feb 16, Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO -- 12
28. 1969 -- June 08, Arson Fire (Patricide), Bailey Family Home, Parkersburg, WV -- 12
29. 1975 -- July 07, Arson Fire, Pomona Hotel, Portland, OR -- 11-12
30. 1978 -- Nov 05, Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA -- 12
31. 2006 -- Oct 31, Arson Fire, Mizpah Hotel, North Lake St., Reno, NV -- 12

32. 1854 -- Apr 25, Arson Fire, Jennings Building (all firemen), Broadway, NY, NY -- 11
33. 1973 -- Sep 29, Arson Fire, Tenement, Eleventh & Willow, Hoboken, NJ -- 11

35. 1935 -- Sep 29, Arson Fire, Tenement, Chicago, IL -- 10
36. 1973 -- Jan 29, Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ -- 10
37. 1979 -- July 31, Arson Fire/smoke inhalation deaths, Holiday Inn, Cambridge, OH -- 10
38. 1980 -- Oct 28, Arson Fire, Apartment Building (Leonard Kidd), Chicago, IL -- 10
40. 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

All entries in this subset are listed in the Fire-Structural Master List.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Location Details</th>
<th>Victims</th>
</tr>
</thead>
<tbody>
<tr>
<td>1854</td>
<td>Apr 25</td>
<td>Arson Fire, Jennings Building (all firemen), Broadway, NY, NY</td>
<td>11</td>
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<tr>
<td>1885</td>
<td>Feb 12</td>
<td>Arson Fire, Dept. for Insane, Blockley Almshouse, Philly, PA</td>
<td>19-20</td>
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<tr>
<td>1900</td>
<td>Mar 12</td>
<td>Arson Fire (charged), Italian Tenement Building, Newark, NJ</td>
<td>16</td>
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<tr>
<td>1900</td>
<td>July 3</td>
<td>Arson Fire (alleged), Tenement, Adams and First Sts., Hoboken, NJ</td>
<td>13-14</td>
</tr>
<tr>
<td>1932</td>
<td>Jun 07</td>
<td>Arson Fire (explosion set?), Ellington Apartments, Cleveland, OH</td>
<td>13</td>
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<tr>
<td>1935</td>
<td>Sep 29</td>
<td>Arson Fire, Tenement, Chicago, IL</td>
<td>10</td>
</tr>
<tr>
<td>1944</td>
<td>Mar 28</td>
<td>Arson Fire, New Amsterdam Hotel, San Francisco, CA</td>
<td>22</td>
</tr>
<tr>
<td>1947</td>
<td>Dec 25</td>
<td>Gas thrown on fire/explos., Washoe tribe gambling shack, Dresslerville, NV</td>
<td>15</td>
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<tr>
<td>1963</td>
<td>Nov 18</td>
<td>Fire (arson?), Surfside Hotel (elderly home), Atlantic City, NJ</td>
<td>25</td>
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<tr>
<td>1965</td>
<td>Dec 11</td>
<td>Arson Fire, Seeley Club (Tavern), Chicago, IL</td>
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<td>1965</td>
<td>Dec 20</td>
<td>Arson Fire, Jewish Community Center, Yonkers, NY</td>
<td>12</td>
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<tr>
<td>1966</td>
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<td>Lane Hotel arson fire, Anchorage, AK</td>
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<td>1968</td>
<td>Feb 16</td>
<td>Arson Fire, Randolph Tavern, 107 W. Reed Street, Moberly, MO</td>
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<td>1969</td>
<td>June 8</td>
<td>Arson (Patricide), Bailey Family Home Fire, Parkersburg, WV</td>
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<td>1970</td>
<td>Mar 20</td>
<td>Arson Fire, Ozark Hotel (“flophouse”), Seattle, WA</td>
<td>20</td>
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<tr>
<td>1970</td>
<td>Dec 20</td>
<td>Arson Fire, Pioneer International Hotel, Tucson, AZ</td>
<td>28</td>
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<td>1973</td>
<td>Jan 29</td>
<td>Arson Fire, Street’s Sheltered Care Rest Home, Pleasantville, NJ</td>
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<tr>
<td>1973</td>
<td>June 24</td>
<td>Arson Fire, gay UpStairs Cocktail Lounge, New Orleans, LA</td>
<td>32</td>
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<td>1973</td>
<td>Sep 29</td>
<td>Arson Fire, Tenement, Eleventh &amp; Willow, Hoboken, NJ</td>
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<tr>
<td>1975</td>
<td>July 07</td>
<td>Arson Fire, Pomona Hotel, Portland, OR</td>
<td>11-12</td>
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<tr>
<td>1976</td>
<td>Jan 30</td>
<td>Arson Fire, Wincrest Nursing Home, Chicago, IL</td>
<td>24</td>
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<td>1977</td>
<td>June 26</td>
<td>Arson Fire, Maury County Jail, Columbia, TN</td>
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<tr>
<td>1978</td>
<td>Nov 05</td>
<td>Arson Fire, Allen Motor Inn, Honesdale, Wayne County, PA</td>
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<td>Arson Fire, Apartment Building, Waterbury, CT</td>
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<tr>
<td>1982</td>
<td>Sep 4</td>
<td>Arson Fire, Dorothy Mae Apartments/Hotel, Los Angeles, CA</td>
<td>24-25</td>
</tr>
</tbody>
</table>

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3216 All “Violence-Arson” listings are cross-listed in Fire-structural or Fire-wildfire.
3217 Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).
3218 Ex-mental patient and arsonist arrested and “confessed,” but was not indicted. Cross-listed in Fire, Structural.
3219 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.
32. 1984 -- July 04, Arson Fire, Elliott Chambers Rooming Home, Beverly, MA  --  15
33. 1984 -- Oct 18, Arson Fire, Alexander Hamilton residential Hotel, Paterson, NJ\(^{3220}\) --  15
34. 1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel, San Juan, Puerto Rico --  97

**VIOLENCE** Subset – **ARSON** Manslaughter/Homicide– **Chronological** (continued)

35. 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
36. 1993 -- May 3, Arson Fire, Apt./Tenement Bldg., Burlington Ave., Los Angeles, CA  --  10

37. 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
38. 2006 -- Oct 31, Arson Fire, Mizpah Hotel, North Lake St., Reno, NV  --  12

39. 2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN  --  14

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\(^{3220}\) Originally a hotel, but had become a low-rent apartment building.
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. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscaroras, Craven Co. NC-300
4. 1779 -- Feb 14, boat theft, hostage-taking attempt, violence, Cpt. James Cook/Hawaiians-- 2,500-6,000
5. 1800 -- Feb 01, U.S. Frigate Constellation engagement with French La Vengeance3221 -- 160
6. 1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK-- <150
7. 1866 -- Sep, Indians attack settlers, train, wagon train, MT, WY -- 150
8. 1918 -- Oct 04, Steamer San Sabo strikes mine, 15 miles SW of Barnegat, NJ3225 -- 30
9. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME --23-50
10. 1851 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40
11. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Valley., OR-~12-22
13. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR --13-19
14. 1643 -- Fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT--18-20
15. 1675 -- Oct 31, USS Reuben James Sunk, German Submarine, near Iceland3222 -- 15
16. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory ---100
17. 1941 -- Mar 10, Hernando de Soto forces & “Chicasa” battle and “slaughter,” MS3226-->20?
18. 1851 -- Jun, Battle Rock battle, Pacific Mail men kill natives with cannon, Port Orford, OR --13-30
19. 1918 -- Oct 04, Steamer San Sabo strikes mine, 15 miles SW of Barneget, NJ3225 -- 30
20. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME --23-50
21. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX --15-23
22. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Valley., OR--12-22
24. 1541 -- ~Mar 10, Hernando de Soto forces & “Chicasa” battle and “slaughter,” MS3226-->20?
25. 1852 -- Jul 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20
26. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD3227-- 19
27. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM -- 19
28. 1853 -- Aug 24, Lane attacks Rogue River Natives --Evans Creek ~Table Rock, OR --13-19
29. 1643 -- Fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT--18-20
30. 1916 -- Mar 09, Pancho Villa Attacks Columbus, NM -- 18
31. 1958 -- Sep 02, USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR3228-- 17
32. 1953 -- July 29, Yokota Air Base, Japan, USAF RB-50, shot down, Sea of Japan3229 -- 16

3221 Cross-listed in Maritime.
3222 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.
3223 Cross-listed in Maritime.
3224 Cross-listed in Aviation.
3225 Cross-listed in Maritime.
3226 No estimate at all is made of the Natives killed, thus we have conjectured the number “more than 20,” as a very conservative, we think, 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.
3227 Cross-listed in Violence subsets of “Battles” and “Religious Violence.”
3228 Cross-listed in Aviation.
3229 Cross-listed in Aviation.
33. 1956 -- Aug 22, Navy P4M-1Q Shot Down near Wenchow, China\textsuperscript{3230} -- 16
34. 1975 -- May 14, Attack, USS \textit{Mayaguez} Khmer Rouge, Koh Tang Island, Cambodia\textsuperscript{3231} -- 16
35. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR -- 5-15

\textbf{VIOLENCE Subset -- ATTACKS/BATTLES -- By MORTALITY (continued)}

36. 1598 -- Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM -13
37. 1832 -- July ~12, Battle of Pierre’s Hole, fur-trappers, natives on both sides, ID -- 13
38. 1669 -- June, Apache attack Acoma Pueblo, NM -- 12
39. 1945 -- May 5, Civilian US Steamer \textit{Black Point} Torpedoed, off Point Judith, RI\textsuperscript{3232} -- 12
40. 1952 -- Jun 13, Yokota Air Base, Japan, USAF RB-29, shot down, Sea of Japan\textsuperscript{3233} -- 12
41. 1968 -- Apr 01, Navy P3B Coastal Surveillance Shot Down, Gulf of Thailand\textsuperscript{3234} -- 12
42. 1941 -- Oct 17, USS \textit{Kearny} Torpedoed by German Submarine, off Iceland\textsuperscript{3235} -- 11
43. 1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY) -- \approx 10
44. 1675 -- Sep 02, Settlers killed in Native attack on Northfield, MA -- 8-10
45. 1689 -- Sep 26, Battle, Major Church force and Natives, near Falmouth (Portland), ME -- 10
46. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- \> 10
47. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR -- \approx 10
48. 1950 -- Apr 08, USN Privateer Patrol Bomber Shot Down by USSR, Baltic Area\textsuperscript{3236} -- 10
49. 1951 -- Nov 6, P2V-3W Shot Down by Soviet Aircraft, Sea of Japan off Vladivostok -- 10

\textbf{Other:}

1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS -- 5-8

\textsuperscript{3230} Cross-listed in Aviation.
\textsuperscript{3231} Cross-listed in Maritime.
\textsuperscript{3232} Cross-listed in Maritime.
\textsuperscript{3233} Cross-listed in Aviation.
\textsuperscript{3234} Cross-listed in Aviation.
\textsuperscript{3235} Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.
\textsuperscript{3236} Cross-listed in Aviation.
50. 1540 -- Oct 18, Spanish (DeSoto) Battle with Maubila Natives, Clarke County, AL -- 6,082
51. 1598 -- Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM -- 13
52. 1616 -- George Yeardley, Dep. Governor of Virginia Colony, Attacks Chickahominy -- 12-40
53. 1643 -- Fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT -- 18-20
54. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD -- 19
55. 1657 -- Navajo attack Jemez Pueblo, Jémez Province, NM -- 19
56. 1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY) -- ~10
57. 1666 -- June, Apache attack Acoma Pueblo, NM -- 12
58. 1675 -- Sep 02, Settlers killed in Native attack on Northfield, MA -- 8-10
59. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME -- 23-24
60. 1677 -- June 29, Natives attack party of 90 settlers near Black Point, ME -- 60
61. 1689 -- Sep 26, Battle, Major Church force and Natives, near Falmouth (Portland), ME -- 10
62. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscaroras, Craven Co. NC-300
63. 1778 -- May 30, Violence, Loyalists and Indians attack Cobus Kill Settlement, NY -- ~52
64. 1800 -- Feb 01, U.S. Frigate Constellation engagement with French La Vengeance ~160
65. 1802 -- June, Tingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK -- ≤150
66. 1832 -- July ~12, Battle of Pierre’s Hole, fur-trappers, natives on both sides, ID -- 13
67. 1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity, TX -- 15-23
68. 1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX-25-40
69. 1851 -- Jan 11, Whites attack Natives, Mt. No. Fork, San Joaquin Ri., Mariposa Co. CA -- 23-50
70. 1851 -- Jun, Battle Rock battle, Pacific Mail men kill natives with cannon, Port Orford, OR -- 13-30
71. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Valley., OR--12-22
72. 1851 -- Jun 23-26, USA Maj. Kearny, other whites attack Natives, Table Rock, OR -- >10
73. 1851 -- Nov 22, Col. Casey (USA), attacks Coquille, south fork Coquille River, OR -- 5~15
74. 1852 -- Jul 17, Whites attack Rogue River Natives, Big Bar, near Table Rock, OR -- 4-20
75. 1853 -- Aug 24, Lane attacks Rogue River Natives ~Evans Creek ~Table Rock, OR --13-19
77. 1856 -- Aug 30, Pro-slavery force attacks Osawatomie (John Brown), Miami Co., KS -- 5-8
78. 1857 -- Jan-mid, White settlers attack Rogue River Natives, Rogue River valley, OR -- ~10
79. 1864 -- July 28-29, US Army attacks Dakota Sioux, Killdeer Mountain, ND Territory ---100
80. 1866 -- Sep, Indians attack settlers, train, wagon train, MT, WY -- 150
81. 1916 -- March 9, Pancho Villa Attacks Columbus, NM -- 18
82. 1918 -- Oct 04, Steamer San Sabo strikes mine, 15 miles SW of BarNEGAT, NJ -- 30

3237 Cross-listed in Violence subset “Religious Violence.”
3238 Cross-listed in Maritime.
3239 Cross-listed in Maritime.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1941</td>
<td>Oct 17</td>
<td>USS Kearny Torpedoed by German Submarine</td>
<td>off Iceland</td>
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<tr>
<td>1941</td>
<td>Oct 31</td>
<td>USS Reuben James Sunk, German Submarine</td>
<td>near Iceland</td>
<td>115</td>
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<tr>
<td>1941</td>
<td>Dec 7</td>
<td>Attack by Japanese on Pearl Harbor, HI</td>
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<td>-2,402</td>
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<td>1941</td>
<td>May 5</td>
<td>Civilian US Steamer Black Point Torpedoed</td>
<td>off Point Judith, RI</td>
<td>12</td>
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<tr>
<td>1950</td>
<td>Apr 8</td>
<td>USN Privateer Patrol Bomber Shot Down by USSR</td>
<td>Baltic Area</td>
<td>10</td>
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<tr>
<td>1951</td>
<td>Nov 6</td>
<td>P2V-3W Shot Down by Soviet Aircraft</td>
<td>Sea of Japan off Vladivostok</td>
<td>10</td>
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<tr>
<td>1952</td>
<td>Jun 13</td>
<td>Yokota Air Base, Japan, USAF RB-29, shot down</td>
<td>Sea of Japan</td>
<td>12</td>
</tr>
<tr>
<td>1953</td>
<td>July 29</td>
<td>Yokota Air Base, Japan, USAF RB-50, shot down</td>
<td>Sea of Japan</td>
<td>16</td>
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<tr>
<td>1956</td>
<td>Aug 22</td>
<td>Navy P4M-IQ Shot Down near Wenchow, China</td>
<td></td>
<td>16</td>
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<tr>
<td>1958</td>
<td>Sep 2</td>
<td>USAF C130A Hercules shot-down over Sasnashen, Armenia, USSR</td>
<td></td>
<td>17</td>
</tr>
<tr>
<td>1967</td>
<td>June 8</td>
<td>USS Liberty Attacked by Israeli Air and Naval Craft</td>
<td>near Sinai Penn</td>
<td>34</td>
</tr>
<tr>
<td>1968</td>
<td>Apr 1</td>
<td>Navy P3B Coastal Surveillance Shot Down</td>
<td>Gulf of Thailand</td>
<td>12</td>
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<tr>
<td>1969</td>
<td>Apr 14</td>
<td>Navy EC-121M Shot Down by North Korea</td>
<td>Sea of Japan</td>
<td>31</td>
</tr>
<tr>
<td>1975</td>
<td>May 14</td>
<td>Attack, USS Mayaguez Khmer Rouge, Koh Tang Island</td>
<td>Cambodia</td>
<td>16</td>
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<tr>
<td>1987</td>
<td>May 17</td>
<td>USS Stark hit by Iraqi Air Force Mirage missiles</td>
<td>Persian Gulf</td>
<td>37</td>
</tr>
</tbody>
</table>

3240 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war.
3241 Cross-listed in Maritime. This was before Pearl Harbor and U.S. declarations of war -- part of Neutrality Patrol.
3242 Cross-listed in Maritime.
3243 Cross-listed in Maritime.
3244 Cross-listed in Maritime.
3245 Cross-listed in Maritime.
3246 Cross-listed in Maritime.
3247 Cross-listed in Maritime.
3248 Cross-listed in Maritime.
3249 Cross-listed in Maritime.
3250 Cross-listed in Maritime.
3251 Cross-listed in Maritime.
### VIOLENCE Subset -- BOMBINGS – Deadliest American --By MORTALITY

1. 1988 -- Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland -- 3252 (189 U.S.) 270
2. 1995 -- Apr 19, Oklahoma City Bombing, Alfred P. Murrah Federal Building, OK -- 3253 168
3. 1927 -- May 18, Dynamite Bombing, Bath Township Consolidated School, MI -- 3254 46
4. 1962 -- May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO -- 3255 45
5. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO -- 3256 44
6. 1959 -- Nov 16, National Air Flight 967 Crashes, suspected bomb, Gulf of Mexico -- 3257 42
8. 1960 -- Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia -- 3259 34
9. 1904 -- Jun 6-8, Labor Violence, Bombing/ Shooting, Cripple Creek -- 3260 21
10. 1910 -- Oct 1, Labor Violence/Trade Unionist Bombing, LA Times, Los Angeles, CA -- 21
11. 2000 -- Oct 12, Suicide Terrorism, USS Cole Bombed, Port of Aden, Yemen -- 3261 17
12. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride -- 3262 15
14. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago -- 3264 11
15. 1985 -- May 13, Gov. Force, Philly Police Bomb MOVE Group, Row House Fire, PA -- 3265 11
17. 1917 -- Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI -- 3267 10

### Other:

- 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 -- 3268 6
- 1918 -- Sep 04, Bomb Explosion, Federal Building, Chicago, IL -- 3269 4
- 1998 -- Jan 29, Abortion Clinic Bombing, (Eric Rudolph), Birmingham, AL -- 1

3252 Sub-listed in Terrorism and cross-listed in Aviation.
3253 Cross-listed in Violence – Mass Murder, and in Violence -- Terrorism.
3255 Cross-listed under Aviation and Violence-Mass Murder.
3256 Cross-listed under Aviation and Violence-Mass Murder.
3257 Cross-listed in Aviation. Presumed bomb explosion thought to be for collection of insurance.
3258 Cross-listed in Violence Mass Murder and in Violence-Terrorism.
3259 Cross-listed under Aviation and Violence-Mass Murder.
3260 Cross-listed under Violence, Labor.
3262 Cross-listed in Violence-Terrorism.
3264 Cross-listed under Violence-Mass Murder.
3266 Cross-listed under Fire-Structural and Violence, Governmental Use of Force
3267 Cross-listed under Violence-Mass Murder.
3268 Cross-listed in Violence-Terrorism.
3269 Cross-listed in Violence-Terrorism.
3270 Cross-listed in Violence-Terrorism.
**VIOLENCE Subset -- BOMBINGS – Deadliest American -- CHRONOLOGICAL**

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Casualties</th>
</tr>
</thead>
<tbody>
<tr>
<td>1886</td>
<td>May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL</td>
<td>Chicago, IL</td>
<td>11</td>
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<tr>
<td>1901</td>
<td>July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO</td>
<td>Telluride, CO</td>
<td>15</td>
</tr>
<tr>
<td>1904</td>
<td>Jun 6-8, Labor Violence, Bombing/Shooting, Cripple Creek, Teller Co., CO</td>
<td>Cripple Creek, CO</td>
<td>21</td>
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<tr>
<td>1910</td>
<td>Oct 1, Labor Violence/Trade Unionist Bombing, LA Times, Los Angeles, CA</td>
<td>Los Angeles, CA</td>
<td>21</td>
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<tr>
<td>1916</td>
<td>July 22, Mass Mur., Preparedness Day Parade Bombing, San Francisco CA</td>
<td>San Francisco CA</td>
<td>10</td>
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<tr>
<td>1917</td>
<td>Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI</td>
<td>Milwaukee, WI</td>
<td>10</td>
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<tr>
<td>1918</td>
<td>Sep 04, Bomb Explosion, Federal Building, Chicago, IL</td>
<td>Chicago, IL</td>
<td>4</td>
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<tr>
<td>1927</td>
<td>May 18, Dynamite Bombing, Bath Township Consolidated School, MI</td>
<td>Bath Township, MI</td>
<td>46</td>
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<tr>
<td>1955</td>
<td>Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO</td>
<td>Denver, CO</td>
<td>44</td>
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<tr>
<td>1959</td>
<td>Nov 16, National Air Flight 967 Crashes, suspected bomb, Gulf of Mexico</td>
<td>Gulf of Mexico</td>
<td>42</td>
</tr>
<tr>
<td>1960</td>
<td>Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC</td>
<td>Bolivia, NC</td>
<td>34</td>
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<tr>
<td>1962</td>
<td>May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO</td>
<td>Unionville, MO</td>
<td>45</td>
</tr>
<tr>
<td>1980</td>
<td>Sep 20, ex-wife &amp; family killed by ex-husband’s booby-trap bomb, Olathe, KS</td>
<td>Olathe, KS</td>
<td>6</td>
</tr>
<tr>
<td>1988</td>
<td>Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland</td>
<td>Lockerbie, Scotland</td>
<td>270 (189 U.S.)</td>
</tr>
<tr>
<td>1993</td>
<td>Feb 26, World Trade Center Terrorism Bombing, NY, NY</td>
<td>NY, NY</td>
<td>6</td>
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<tr>
<td>1995</td>
<td>Apr 19, Oklahoma City Bombing, Alfred P. Murrah Federal Building, OK</td>
<td>Oklahoma City, OK</td>
<td>168</td>
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<tr>
<td>1998</td>
<td>Jan 29, Abortion Clinic Bombing, (Eric Rudolph), Birmingham, AL</td>
<td>Birmingham, AL</td>
<td>1</td>
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<tr>
<td>2000</td>
<td>Oct 12, Suicide Terrorism, USS Cole Bombed, Port of Aden, Yemen</td>
<td>Yemen</td>
<td>17</td>
</tr>
</tbody>
</table>

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3274 Cross-listed in Aviation. Presumed bomb explosion thought to be for collection of insurance.
3275 Sub-listed in Terrorism and cross-listed in Aviation.
3276 Cross-listed in Violence – Mass Murder, and in Violence -- Terrorism.
### 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, Quantrrell’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., TX\(^{3277}\), 9-28
10. 1865--Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY\(^{3278}\), 19-28
11. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO\(^{3279}\), 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

\(^{3277}\) The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

\(^{3278}\) A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without disagreement.

\(^{3279}\) 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 generally runs from 22-25, mostly unarmed Union soldiers.
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., TX\textsuperscript{3280}--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-- \textgreater{}10
16. 1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers, Flat Rock, OK-- \textless{}40
17. 1864 -- Sep 27, Train Robbery/Murders, Bill Anderson/Jesse James, Centralia MO\textsuperscript{3281}--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, KY\textsuperscript{3282}19-28

\textsuperscript{3280} The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.
\textsuperscript{3281} 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 generally runs from 22-25, mostly unarmed Union soldiers.
\textsuperscript{3282} 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\textsuperscript{3283} -- By Mortality

1. 1903 -- Dec 30, Trampling, Suffocation, Iroquois Theater Fire, Chicago, IL\textsuperscript{3284} -- 602
2. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA\textsuperscript{3285} -- 498
3. 1876 -- Dec 05, Fire, Trampling, Suffocation, Conway Theater, Brooklyn, NY\textsuperscript{3286} --284-300
4. 1940 -- April 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
5. 1908 -- Mar 04, Fire/Trampling/Suffocation, Lakeview Sch., Collinwood, OH\textsuperscript{3287} --172-178
6. 1908 -- Jan 13, Fire and Trampling, Rhoods Opera House, Boyertown, PA\textsuperscript{3288} --169-175
7. 1902 -- Sep 20, Panic/Stampede, Shiloh Baptist Church Birmingham, AL -- 115
8. 2003 -- Feb 20, Fire, Trampling, Station Nightclub, West Warwick, RI\textsuperscript{3289} -- 100
9. 1913 -- Dec 24, Crushing/Trampling Italian Hall Disaster, Calumet, MI -- 73-75
10. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA\textsuperscript{3290} --25-28
11. 1895 -- Dec 27, Fire Panic, Trampling, Front St. Theater, Baltimore, MD -- 27
12. 1911 -- Aug 26, Trampling/Suffocation, Opera House, Canonsburg, PA -- 26
13. 1915 -- Oct 28, Fire, Trampling, St. John’s Parochial School, Peabody, MA\textsuperscript{3291} -- 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/Trampling, Brooklyn Bridge, NY, NY -- 12
18. 1889 -- Dec 10, Fire Scare, 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 NY\textsuperscript{3292} -- 11
21. 1979 -- Dec 3, 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

Other:
1991 -- Dec 28, Trampling/Crushing, Nat Holman Gym basketball game, City College, NY--

\textsuperscript{3283} An admittedly arbitrary listing under Violence – seems like a violent way to die to the author.
\textsuperscript{3284} Cross-listed in Fire-Structural
\textsuperscript{3285} Cross-listed in Fire-Structural.
\textsuperscript{3286} Cross-listed under Fire-Structural
\textsuperscript{3287} Cross-listed under Fire-Structural
\textsuperscript{3288} Cross-listed under Fire-Structural
\textsuperscript{3289} Cross-listed under Fire-Structural
\textsuperscript{3290} Cross-listed in Explosions and in Fires/Structural – about half the fatalities were due to crushing.
\textsuperscript{3291} Cross-listed in Fire-Structural. Most of the girls died at the door block.
\textsuperscript{3292} Cross-listed under Structural Failures

738
1. 1871 -- Nov 5, Violence-Trampling, African Baptist Meeting-house, Louisville, KY -- 11
2. 1876 -- Oct 30, Fire Scare/Trampling, Chinese Royal Theatre, Jackson St. SF, CA --19-20
3. 1876 -- Dec 05, Fire, Trampling, Suffocation, Conway Theater, Brooklyn, NY\textsuperscript{3294} --284-300

4. 1883 -- May 30, Crushing/Trampling, Brooklyn Bridge, NY, NY -- 12
5. 1889 -- Dec 10, Fire Scare, Trampling, Parke Theater/Opera House, Johnstown, PA -- 12
6. 1895 -- Dec 27, Fire Panic, Trampling, 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, Trampling, Suffocation, Iroquois Theater Fire, Chicago, IL\textsuperscript{3295} -- 602
10. 1905 -- Feb 27, Floor Collapse/Fire Scare/Trampling, Church Service, Brooklyn NY\textsuperscript{3296} -- 11
11. 1906 -- Jan 21, Fire, Trampling, St. Paul’s Baptist Church, Philadelphia, PA -- 18
12. 1908 -- Jan 13, Fire and Trampling, Rhoads Opera House, Boyertown, PA\textsuperscript{3297} --169-175
13. 1908 -- Mar 04, Fire/Trampling/Suffocation, Lakeview Sch., Collinwood, OH\textsuperscript{3298} --172-178
14. 1911 -- Aug 26, Trampling/Suffocation, Opera House, Canonsburg, PA -- 26
15. 1913 -- Dec 24, Crushing/Trampling Italian Hall Disaster, Calumet, MI --73-75
16. 1915 -- Oct 28, Fire, Trampling, St. John’s Parochial School, Peabody, MA\textsuperscript{3299} -- 21
17. 1919 -- Nov 22, Stove Explos./Fire/Crushing, Dance Hall/Store, Ville Platte LA\textsuperscript{3300} --25-28
18. 1940 -- April 23, Rhythm Night Club fire/suffocation/trampling, Natchez, MS -- 209
19. 1942 -- Nov 28, Fire/trampling/suffocation, Cocoanut Grove Nightclub, Boston, MA\textsuperscript{3301} --498
20. 1979 -- Dec 3, WHO Concert Crushing/Trampling, Riverfront Colsm., Cincinnati OH -- 11
21. 2003 -- Feb 17, Stampede/Crushing/Asphyxiation, E2/Epitome Night Club, Chicago, IL\textsuperscript{3302} -- 21
22. 2003 -- Feb 20, Fire, Trampling, Station Nightclub, West Warwick, RI\textsuperscript{3302} -- 100

\textsuperscript{3293} An admittedly arbitrary listing under Violence – seems like a violent way to die to the author.
\textsuperscript{3294} Cross-listed under Fire-Structural
\textsuperscript{3295} Cross-listed in Fire-Structural
\textsuperscript{3296} Cross-listed under Structural Failures
\textsuperscript{3297} Cross-listed under Fire-Structural
\textsuperscript{3298} Cross-listed under Fire-Structural
\textsuperscript{3299} Cross-listed in Fire-Structural. Most of the girls died at the door block.
\textsuperscript{3300} Cross-listed in Explosions and in Fires/Structural – about half the fatalities were due to crushing.
\textsuperscript{3301} Cross-listed in Fire-Structural.
\textsuperscript{3302} Cross-listed under Fire-Structural
1. 1980 -- July 5-6, smugglers abandon immigrants, dehydration, Organ Pipe Cactus Nat. Mon., AZ

3303 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 OK~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 OK~4,000
2. 1863 -- Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley, CA~32

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3304 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.

3305 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 — GOVERMENTAL USE of FORCE — By MORTALITY

1. 1993 -- April 19, FBI/ATF attack Branch Davidian Compound/fire near Waco, TX 3306 -- 75
2. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN 3307 -- 46-48
4. 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) 3310 -- 18-25
8. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA 3311 -- 19
9. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19
10. 1967 -- Jul 12-17 (esp. 13th), Police Violence and Racial Rioting, Newark, NJ 3312 -- ~19
11. 1943 -- Jun 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 Co. Jail, Birmingham, AL -- 10-15
14. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL 3314 -- 10

Other:
1. 1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA 3315 -- 5-9
2. 1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI 3316 -- 7
3. 1916 -- Nov 05, Labor Violence, IWW workers/local law enforcement, Everett, WA 3317 -- 7
4. 1886 -- April 9, Governmental Violence, Labor Riot, East St. Louis, IL -- 6
5. 1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO 3318 -- 6
6. 1970 -- May 04, Kent State Demonstration and OH National Guard Shootings, OH -- 4
8. 1932 -- July 28, US Military Moves on “Bonus Expeditionary Force” Vets, DC -- 2

3306 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.
3307 Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Racial Violence.
3308 Cross-listed in Prison Riots.
3309 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.”
3310 Cross-listed in Violence-Labor-Related.
3311 Cross-listed in Violence Subset Labor-Related Violence
3312 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.
3313 Cross-listed in Fire-Structural and Violence, Bombings.
3314 Cross-listed in Violence sub-section Labor-Related.
3315 Cross-listed in Violence/Labor-Related. The difference in numbers has to do with different estimates of those killed by government forces alone.
3316 Cross-listed in Violence subset Labor-Related.
3317 Cross-listed in Violence subset Labor-Related.
3318 Cross-listed in Labor Violence.
VIOLENCE Subset -- GOVERMENTAL USE of FORCE – CHRONOLOGICAL

1. 1849 -- May 10, Astor Place Opera House Riot & Government Response, NYC -- 16-30

2. 1861 -- May 10, Camp Jackson Affair, Union German unit kills Civilians, St Louis, MO >28

3. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN 3319 -- 46-48

4. 1886 -- Apr 09, Governmental Violence, Labor Riot, East St. Louis, IL -- 6

5. 1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI 3320 -- 7


7. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA 3321 -- 19

8. 1914 -- Apr 20, Gov. Force, Ludlow Massacre (CO NG Attacks Mining Strikers) 3322 -- 18-25

9. 1916 -- Nov 05, Labor Violence, IWW workers/local law enforcement, Everett, WA 3323 -- 7

10. 1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA 3324 -- 5-9

11. 1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO 3325 -- 6


13. 1937 -- Mar 21, Ponce massacre, police fire on marchers, Ponce, Puerto Rico -- 19

14. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL 3326 -- 10

15. 1943 -- Jun 20-22, Detroit Racial Riots, MI (subset of 34 dead) police killed only blacks-- 17

16. 1967 -- July 12-17 (esp. 13th), Police Violence and Racial Rioting, Newark, NJ 3327 -- ~19


18. 1970 -- May 04, Kent State Demonstration and OH National Guard Shootings, OH -- 4


20. 1985 -- May 13, Gov. Force, Philly Police Bomb MOVE Group, Row House Fire, PA 3330 -- 11


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3319 Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Racial Violence.
3320 Cross-listed in Violence subset Labor-Related.
3321 Listed as well under the Violence Subset Labor-Related Violence.
3322 Cross-listed under Violence-Labor-Related.
3323 Cross-listed in Violence subset Labor-Related.
3324 Cross-listed in Violence/Labor-Related. The difference in numbers has to do with different estimates of those killed by government forces alone.
3325 Cross-listed in Labor Violence.
3326 Cross-listed in Violence sub-section Labor-Related.
3327 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.
3328 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.”
3329 Cross-listed in Prison Riots.
3330 Cross-listed in Fire-Structural.
14. 1993 -- April 19, FBI/ATF attack Branch Davidian Compound/fire near Waco, TX-- 75
**VIOLENCE Subset -- LABOR-Related Clashes, Incidents, Riots -- By Mortality**

1. 1877 -- Jul 20-26, Great Railroad Strike, Clash with Police/Mil., MD/IL/PA -- 92-100
2. 1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA 3331 -- 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 WY 3332 -- 28
5. 1914 -- Apr 20, Ludlow Massacre (CO NG Attacks Striking Miners) Ludlow, CO 3333 -- 18-25
6. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL 3334 -- 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, CA 3335 -- 21
10. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL 3334 -- 23
11. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO 3338 -- 15
12. 1898 -- Oct 12, Labor Violence, coal miners and mine guards shootout, Virden, IL -- 12-13
13. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL 3339 -- 11
14. 1891 -- Apr 2, Violence, Deputies Kill Strikers, Morewood Mine, Morewood, PA -- 11
15. 1892 -- July 06, Violence, Strikers & Pinkertons, Carnegie Steel, Homestead, PA -- 11
16. 1920 -- May 19, Matewan Massacre, coal miners/owners conflict, Mingo Co., WV -- 10-11
17. 1907 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN 3336 -- 20
18. 1924 -- Sep 9, Labor Violence, Filipino Strikers/Sheriffs Clash, Hanapepe, Kauai, HI -- 20
19. 1897 -- Sep 10, Lattimer Massacre, Deputies Shoot Striking Miners, Lattimer, PA 3337 -- 19
20. 1913 -- Feb 10, Labor Vio., Miners & Guards Clash, ~Mucklow, Kanawha County, WV -- 16
21. 1901 -- July 04, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO 3338 -- 15
22. 1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI 3342 -- 7

**OTHER:**

1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA 3341 -- 5-9
1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI 3342 -- 7

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3331 There were unconfirmed reports of up to 300 fatalities. Cross-listed in Violence – Racial/Ethnic.
3332 Cross-listed in Violence-Racial Subset.
3333 Cross-listed in Violence subset, Governmental Use of Force.
3334 Two striking union-miners were killed by mine guards on June 21 when attacked by a large group of the striking miners and one other died of his wounds on July 13. Nineteen to twenty 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.
3336 Cross-listed in Violence-Racial Subset.
3337 Cross-listed in Violence subset Labor-Related
3338 Cross-listed in Violence-Bombing Subset.
3339 Cross-listed in Violence sub-section Governmental Use of Force.
3340 Cross-listed in Violence/Labor-Related. The difference in numbers has to do with different estimates of those killed by government forces alone.
3341 Cross-listed in Violence subset Governmental Use of Force.
1916 -- Nov 05, Labor Violence, IWW workers/local law enforcement, Everett, WA

1919 -- Nov 11, Violence, Armistice Day Parade, Amer. Legion/IWW, Centralia, WA

1927 -- Nov 21, Colorado Rangers shoot striking miners, Columbine Mine, Serene, CO

**VIOLENCE Subset -- LABOR-Related Clashes, Incidents, Riots – By Mortality** (cont.)

1894 -- May 24, Labor Battle, Washington Coal and Coke Co, Sickle Hollow, PA

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3343 Cross-listed in Violence subset Governmental Use of Force.
3344 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 -- Jul 20-26, Great Railroad Strike, Clash with Police/Mil., MD/IL/PA --92-100
3. 1885 -- Sep 2, Labor/Racial Violence/Massacre, Chinese Miners, Rock Springs WY 3345 -- 28
4. 1886 -- May 3-4, Labor Haymarket Affair/Bombing/Riot/Massacre, Chicago, IL 3346 -- 11
   1886 -- May 05, Strikers/bystanders shot by Wisc. militia, Bay View, Milwaukee, WI 3347 -- 7
5. 1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA 3348 -- 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, PA 3349 -- 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, CO 3350 -- 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, CA 3351 -- 21
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, CO 3353 -- 18-25
   1916 -- Nov 05, Labor Violence, IWW workers/local law enforcement, Everett, WA 3354 -- 7
19. 1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA 3355 -- 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
20. 1922 -- Jun 21-22, Union miners murder non-union men and Guards ~Herrin, IL 3356 -- 23

3345 Cross-listed in Violence-Racial Subset.
3346 Cross-listed in Violence-Bombing Subset.
3347 Cross-listed in Violence subset Governmental Use of Force.
3348 There were unconfirmed reports of up to 300 fatalities. Cross-listed in Violence – Racial/Ethnic.
3349 Listed as well under Violence Subset Labor-Related
3350 Cross-listed in Violence-Bombing Subset.
3352 Cross-listed in Violence-Racial Subset.
3353 Cross-listed in Violence subset Governmental Use of Force.
3354 Cross-listed in Violence subset Governmental Use of Force.
3355 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.
3356 Two striking union-miners were killed by mine guards on June 21 when attacked by a large group of the striking
   miners and one other died of his wounds on July 13. Nineteen to twenty 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
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, CO

**VIOLENCE Subset — LABOR-Related Clashes, Incidents, Riots — Chronological (cont.)**

22. 1937 -- May 30, Unarmed Striking Steel Workers Shot by Police, Chicago, IL

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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.

3357 Cross-listed in Violence subsection – Governmental Use of Force.
3358 Cross-listed in Violence sub-section Governmental Use of Force.
1. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana\(^{3360}\) -- 918
2. 2003 -- May 13-14 Illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX -- 19
3. 1916 -- Jan 10, Mass Murder, Americans on Train 50M W. Chihuahua City, MX -- 16-17
4. 2001 -- May ~24, Smugglers abandon immigrants without water in desert heat, AZ\(^{3361}\) -- 14
5. 1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA -- 12
6. 2002 -- Oct 13, Decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11
7. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA\(^{3362}\) -- 11
8. 1916 -- Mass Killing, Archer Home for Elderly, Winsor, New Haven County, CT -- 10
10. 1984 -- May-Nov, Bobby Joe Long Serial Killings of women, Tampa Bay Area, FL -- >10
11. 2017 -- July 23, Migrants die in hot semi trailer found in parking lot, San Antonio, TX -- 10

Other:
1912 -- June 10, Family and two girls Murdered in Sleep with Axe, Villisca, IA -- 8
1916 -- Mar 5-6, 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
1932 -- Nov 24, Violence 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

\(^{3359}\) See Shooting Incidents for Mass Murder/Manslaughter using firearms.
\(^{3360}\) 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 the U.S. except for a number of adopted Guyana children.
\(^{3361}\) Cross-listed in Heat.
\(^{3362}\) 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.
1856 -- May 24/25, John Brown men kill pro-slavery men – Pottawatomi Creek, Franklin Co., KS-- 5
1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS-- 5

1. 1872 -- Apr 15, Shoot-out between U.S. Marshals & Cherokee, Indian Court House OK-- 11

2. 1912 -- June 10, Family and two girls Murdered in Sleep with Axe, Villisca, IA -- 8

3. 1916 -- Mass Killing, Archer Home for Elderly, Winsor, New Haven County, CT -- 10

4. 1916 -- Jan 10, Mass Murder, Americans on Train 50M W. Chihuahua City, MX --16-17

5. 1916 -- Mar 5-6, Daniel Okane kills Family (7) and commits suicide, Lawton, OK -- 8

6. 1929 -- Feb 14, St. Valentine’s Day Massacre, Capone gang vs. Moran gang, Chicago, IL – 7

7. 1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide, Walnut Cove, NC -- 8

8. 1932 -- Nov 24, Violence Julian Marcelino Rampage with knives, Seattle, WA -- 6

9. 1933 -- June 17, Shooting murder of four law officers plus prisoner, Kansas City, MO-- 5

10. 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9

11. 1966 -- July 14, Richard Speck Mass Murder of Nurses, Dorm Room, Chicago, IL -- 8

12. 1971 -- June 14, “Dope Den” “Execution Style” Mass Murder, Detroit, MI -- 8


14. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana3364-- 918

15. 1980 -- Sep 20, ex-wife & family killed by ex-husband’s booby-trap bomb, Olathe, KS-- 6

16. 1981 -- March-April, hospital nurse kills elderly patients, Perris & Banning, CA -- 12

17. 1987 -- July 11-12, Man shoots wife, two children, his parents, in-laws, Federal Way, WA-- 8

18. 2001 -- May ~24, Smugglers abandon immigrants without water in desert heat, AZ3365-- 14

19. 2002 -- Oct 13, Decomposed bodies of illegal aliens found in railcar, Denison, IA -- 11

20. 2003 -- May 13-14 Illegal immigrants suffocate, hot/airless milk trailer, Victoria, TX -- 19

21. 2005 -- Jan 26, Train hits parked SUV; Derails; hits parked train, Glendale, CA3366 -- 11

22. 2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA3367-- 6

23. 2015 -- May 17, Violence, Biker-Gangs/Police Shoot-Out at Twin Peaks restaurant, Waco, TX-- 9

24. 2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA3368-- 14

25. 2017 -- July 23, Migrants die in hot semi trailer found in parking lot, San Antonio, TX-- 10

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3363 See Shooting Incidents for Mass Murder/Manslaughter using firearms.
3364 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 the U.S. except for a number of adopted Guyana children.
3365 Cross-listed in Heat.
3366 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.
3367 Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.
3368 Cross-listed in Terrorism.
VIOLENCE -- MASS SUICIDE Subset

1. 1978 -- Nov 18, Jonestown Massacre, Peoples Temple mass suicide-murder, Guyana\textsuperscript{3369} -- 918
2. 1997 -- ~March 23, Mass Suicide, Heaven’s Gate Cult, Rancho Santa Fe, CA -- 39

\textsuperscript{3369} 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 the U.S. except for a number of adopted Guyana children.
1. 1862 -- Aug 17-Sep, Violence, Sioux “Insurrection,” Litchfield, elsewhere, MN
   --300-650
2. 1813 -- Aug 30, Creeks Massacre militia/settlers, Fort Mims, Baldwin Co., AL
   --250-517
3. 1644 -- Apr 18, Native Massacre of English Colonists along James River, VA
   --300-400
4. 1622 -- Mar 22, Jamestown Massacre, Jamestown Colony, VA
   -- 347
5. 1729 -- Nov 28, Ft. Rosalie Massacre, French Colonists by Natives, 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, 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, Bloody Brook Massacre, Natives attack wagon train, S. Deerfield, MA
    --16-100
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, MA
    --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 -- March 15, Massacre; Natives attack English settlers, Haverhill, MA
    -- ~40
21. 1698 -- 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 setters, 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. 1865 -- Mar 15, Massacre; Natives attack English settlers, Cape Cod, MA
    -- 32
28. 1690 -- March 18, Massacre, French & Indians attack settlers, Salmon Falls, NH
    -- 30
29. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga, NY
    -- 30
30. 1877 -- Jun 14-15, Nez Perce attack settlers on and near Salmon River, no. ID
    --18--28
31. 1967 -- Sep 11, Massacre, Natives attack Lancaster, MA
    --21-26
32. 1803 -- March, Massacre, Crew of American ship Boston, Nootka, Vancouver Isl.
    -- 25
33. 1663 -- Jun 7, Massacre, Natives attack Dutch at Wiltwyck (Kingston, NY) and vic.
    --22-24
34. 1689 -- Jun 27, Massacre, Penacooks attack English colonists, Cochecho (Dover) NH
    -- 23
35. 1812 -- Sep 4-5, Massacre of Settlers, by Shawnee, Pigeon Roost, IN
    -- 23
36. 1869 -- 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

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3370 These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

3371 Both dates are used, apparently depending on whether old style or new style dating is applied.

3372 Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, and 20 captives.

3373 Coss-listed in Violence – Massacres of Whites by Natives.
38. 1763 -- Jun 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 6, 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 Survey 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. 1843 -- Aug, Massacre, Anne Hutchinson’s settlement by Siwanoy on Pelham Bay, NY-- 16
49. 1675 -- Dec 16, Massacre, Natives attack J. Bull Garrison, Pettequamscutt (Kingston), RI-15
50. 1677 -- Sep 19, Massacre, Pocumtuck Natives attack English colonists, Hatfield, MA--12-15
51. 1694 -- July 18, Massacre, Abenaki attack settlers, Oyster River Plantation, Durham NH-- 15
52. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA -- 9--15
53. 1828 -- Jedediah Smith Massacre, near Gardiner, OR -- 15
54. 1847 -- Nov 29, Whitman Massacre, Missionaries, ~Walla Walla, WA -- 15
55. 1855 -- Oct 9, Indians retaliate & attack settlers, upper Rogue River Valley, OR -- 12-15
56. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
57. 1883 -- Apr 21, Quechan/Yuma Natives Massacre Glanton Gang, Winterhaven, CA -- 11
58. 1704 -- May, Jicarilla Apaches/Utes Massacre US Mail wagon train, Wagon Mound, NM-- 10
59. 1853 -- Fall, Natives Kill Chinese, west branch Feather River, Butte County, CA -- 10

Two were militiamen hunting the Nisqually leader, and 8-9 were white settlers.
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
3. 1637 -- Apr 23, Massacre, Wongoonk and Pequots attack Wethersfield, CT -- 9
4. 1643 -- Aug, Massacre, Anne Hutchinson’s settlement by Siwanoy on Pelham Bay, NY-- 16
5. 1655 -- Sep 15-18,\textsuperscript{3375} 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,\textsuperscript{3376} 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, Pocomtuck 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

\textsuperscript{3375} These are the dates for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.
\textsuperscript{3376} Both dates are used, apparently depending on whether old style or new style dating is applied.
32. 1704 -- Feb 29, Massacre, French and Native allies attack Deerfield, MA
33. 1704 -- May 13, Massacre, Natives attack settlers, Pascommuck (Easthampton) MA
34. 1708 -- Aug 29, Raid/Massacre, French and Indians attack settlers, Haverhill, MA

VIOLENCE Subset -- MASSACRES – OF Whites BY Native Americans – Chronological

35. 1711 -- Sep 22, Tuscarora Massacre of White Settlers, Bath County, NC
36. 1729 -- Nov 28, Ft. Rosalie Massacre, French Colonists by Natives, Natchez MS
37. 1745 -- Nov 16, Schuylerville Massacre, French Raiders & Indians, near Saratoga, NY
38. 1755 -- Oct 16, Violence-Massacre, Natives attack settlers, Penn’s Creek, PA
39. 1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers, Fulton/Franklin Cty, PA
40. 1755 -- Nov 14-15, Delaware Natives attack German settlers, Berks County, PA
41. 1757 -- Aug, Natives Massacre garrison after surrender, Fort William Henry, NY
42. 1758 -- Apr 28, Massacre of Settlers by Shawnee, Fort Sybert/Seybert, WV
43. 1763 -- Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK
44. 1763 -- Massacre of Settlers, Wyoming Flats (Luzerne County, PA)
45. 1763 -- May 25, St, Joseph’s Post Massacre, Mouth of St. Joseph’s River, MI
46. 1763 -- Jun 02, Massacre, Fort Michilimackinac, MI, Ojibwas and Sacs Attack
47. 1764 -- July 26, Massacre, Indians attack one-room Schoolhouse, ~Greencastle, PA
49. 1778 -- Nov 11, Massacre, women/children, Loyalist/Seneca Force, Cherry Valley NY
50. 1780 -- May 26, Violence, Massacre of settlers near St. Louis, MO
51. 1791 -- Jan 2, Violence-Massacre, Delaware & Wyandot attack Big Bottom settlers, OH

52. 1812 -- Aug 15, Pottawatome Massacre of Soldiers/Homesteaders, Fort Dearborn, IL
53. 1812 -- Sep 4-5, Massacre of Settlers, by Shawnee, Pigeon Roost, IN
54. 1813 -- Aug 30, Creeks Massacre militia/settlers, Fort Mims, Baldwin Co., AL
55. 1813 -- Sep 01, Creek Massacre of two families in Clarke County, AL
56. 1828 -- Jedediah Smith Massacre, near Gardiner, OR
57. 1838 -- Oct 08, Massacre of Surveying Party near Dawson, Navarro County TX
58. 1840 -- March, Retaliation for Council House Comanche peace envoy deaths; prisoners killed
59. 1847 -- Nov 29, Whitman Massacre, Missionaries, ~Walla Walla, WA

60. 1850 -- Apr 21, Quechan/Yuma Natives Massacre Glanton Gang, Winterhaven, CA
61. 1850 -- May, Jicarilla Apaches/Utes Massacre US Mail wagon train, Wagon Mound, NM
62. 1851 -- Jan, Four Creeks Massacre, Natives attack cattle herders, present-day Bakersfield, CA
63. 1851 -- Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA
64. 1852 -- Sep, Bloody Point Massacre, Modocs attack wagon train, Tule Lake, North CA
65. 1853 -- Fall, Natives Kill Chinese, west branch Feather River, Butte County, CA
66. 1854 -- Aug 20, Ward Massacre, Natives attack wagon train, Boise River, ~Caldwell, ID
67. 1855 -- Oct 09, Massacre, Indians attack settlers, upper Rogue River Valley, OR
68. 1856 -- Feb 22, Violence, Indians attack garrison and settlers, Whaleshead, OR
69. 1857 -- Mar 8-9, Massacre, Wahpetuake Dakota (Sioux) attack Spirit Lake, IA

Though death tolls vary, we rely on Demos and Sheldon. Includes 39 in attack, 9 in pursuit party, 20 captives.
70. 1860 -- Fall, Snake River Massacre, Immigrant Wagon Train attacked, pursued, OR -- 39
71. 1862 -- Aug 17-Sep, Violence, Sioux “Insurrection,” Litchfield, elsewhere, MN --300-650
72. 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.)**

73. 1872 -- Nov 29-30 Modoc “Hooker Jim” band kills white males, SE Tule Lake, CA --14-18
74. 1877 -- Jun 14-15, Nez Perce attack settlers on and near Salmon River, no. ID --18--28

75. 1879 -- Sep 29, Meeker Massacre by Utes, White River, Northwestern CO -- 12
76. 1883 -- Aug 12, Massacre, Santa Fe Railroad Surveyors Attacked by Apaches -- 13
## VIOLENCE Subset–MASSACRES/Atrocities -  **WHITES** Against Native Americans

**By Mortality**

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Deaths</th>
</tr>
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<td>Dec 19, English Colonists Massacre Narragansetts, Great Swamp, RI</td>
<td>--365-1,100</td>
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<td>1599</td>
<td>Jan 21, Spanish (Oñate) Massacre Acoma Natives, punitive expedition, NM-300-800</td>
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<td>1637</td>
<td>Mystic Massacre, Eng. Colonists Attack Pequot Vil., Mystic River, CT</td>
<td>--600-700</td>
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<tr>
<td>1644</td>
<td>Feb, Massacre, Dutch attack Siwanois, Petuquapaen, ~Cos Cob, CT</td>
<td>3378 --500-700</td>
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<tr>
<td>1853</td>
<td>Burnt Ranch Massacre, Settlers kill Tolowa, Yontocket, Smith Riv., No. CA-450-600</td>
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<tr>
<td>1864</td>
<td>Sep, General massacre of Yana Natives, Northern CA</td>
<td>335-500</td>
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<tr>
<td>1859</td>
<td>Late Mar-mid Apr, Whites kill Natives, Round Valley, Mendocino Co., CA--300-400</td>
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<tr>
<td>1863</td>
<td>Jan 29, Massacre, Shoshoni Village attacked, Bear River, Utah Territory</td>
<td>384</td>
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<tr>
<td>1890</td>
<td>Massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD</td>
<td>350</td>
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<tr>
<td>1676</td>
<td>May 19, Eng. Colonists massacre Peskeomskut Natives, Turners Falls, MA-200-300</td>
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<td>1813</td>
<td>Nov 3, Tallushatchee Battle/Massacre, Gen. Coffee destroys Creek Vil., AL</td>
<td>300</td>
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<td>1851</td>
<td>Massacre, White Miners Burn Wintu Council House, Old Shasta, CA</td>
<td>300</td>
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<td>1863</td>
<td>Sep 3, Massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill, ND--150-300</td>
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<tr>
<td>1860</td>
<td>Whites attack Yuki Natives near Round Valley, Mendocino County, CA</td>
<td>250</td>
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<td>1859</td>
<td>May 26, Whites Massacre Natives, Indian Isl. &amp; Humboldt Bay vic., CA</td>
<td>100-&gt;250</td>
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<tr>
<td>1859</td>
<td>May, Whites Massacre Yuki Natives, Round Valley, Mendocino County, CA</td>
<td>240</td>
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<tr>
<td>1861</td>
<td>Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val. CA</td>
<td>100-240</td>
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<tr>
<td>1539</td>
<td>Sep 16, Napituca Massacre, Hernando de Soto executes Timucuans, No. Cen. FL-30-200</td>
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<tr>
<td>1623</td>
<td>May 12, Cpt. Tucker VA party poison/kill Powhatans, Patawomeck, VA</td>
<td>150-200</td>
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<td>1763</td>
<td>Unangan/Eastern Aleut conflict with Russians, Unalaska/Unmak/Unimak Isl., AK</td>
<td>&gt;200</td>
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<tr>
<td>1784</td>
<td>Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK</td>
<td>&gt;200</td>
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<tr>
<td>1850</td>
<td>May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA</td>
<td>60-200</td>
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<tr>
<td>1846</td>
<td>Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA</td>
<td>&gt;175</td>
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<td>1870</td>
<td>Jan 23, Massacre, Marias Riv. Piegan Tribe attacked by 2nd Cav., MT Territory</td>
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<td>1852</td>
<td>Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA</td>
<td>140-153</td>
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<tr>
<td>1857</td>
<td>Sep 3, Massacre, Col. Harney Attacks Sioux Camp, Bluewater Creek, NE</td>
<td>150</td>
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<tr>
<td>1864</td>
<td>Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO</td>
<td>130-150</td>
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<tr>
<td>1871</td>
<td>Apr 30, Massacre of Apaches, Camp Grant Arivaipa, Arizona Territory</td>
<td>125-150</td>
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<tr>
<td>1850</td>
<td>“Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA</td>
<td>145</td>
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<tr>
<td>1840</td>
<td>Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX</td>
<td>110-140</td>
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<tr>
<td>1676</td>
<td>Jul 02, Massacre, Eng. Colonists attack Narragansett camp ~Providence, RI</td>
<td>100-126</td>
<td></td>
</tr>
<tr>
<td>1643</td>
<td>Feb 25, New Amsterdam Dutch massacre Natives, Pavonia [NJ]3379</td>
<td>80-120</td>
<td></td>
</tr>
<tr>
<td>1644</td>
<td>Early (Jan?), Massacre, Dutch and English attack Mespath (Long Island, NY)</td>
<td>120</td>
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<tr>
<td>1686</td>
<td>Nov 27, “Battle” of the Washita, Custer attacks Cheyenne village, OK</td>
<td>103</td>
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<tr>
<td>1542</td>
<td>Mid-May, Massacre, de Soto’s men attack Natives in Nilco province town, AR~100</td>
<td></td>
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<tr>
<td>1724</td>
<td>Aug 23, Massacre, colonial militia attack Abenaki village, Norridgewock, ME</td>
<td>80-100</td>
<td></td>
</tr>
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3378 In dispute – some place the massacre in Westchester County, NY (Dinan. “Historians Sift Clues…” *Greenwich Time*, 3-5-2006.)

3379 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.)
37. 1790 -- Jan late, Olowalu Massacre, Cpt. Metcalfe, *Eleanora*, fires on Native canoes, Maui >100
38. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA --30->100

**Violence Subset—“MASSACRES” - Whites Against Native Americans—By Mortality (Cont.)**

39. 1782 -- March 8, Massacre of noncombatant Indians by PA militia, Gnadenhutten, OH-- 96
40. 1637 -- Massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ) -- 80
41. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA -- >75
42. 1855 -- Sep, “Cpt.” Jarboe force Massacres Achomawai Natives, Pit River village, CA -- >70
43. 1676 -- July 3 or 4, Massacre, Eng. Colonists attack Narragansetts, Warwick Neck, RI--40-67
44. 1813 -- Nov 18, Hillabee Massacre, US Troops attack Creek Vil. suing for peace, AL -- 61
45. 1832 -- Aug 02, Battle Island Massacre/Massacre of Bad Axe, Natives attacked, WI -- < 60
46. 1853 -- Fall, White/Chinese retaliatory attack re. Natives, Feather Riv., Butte Co., CA--40-60
47. 1541/42 Winter, Coronado’s Expeditionaries burn-at-the-stake Tiwa Natives, NM3380 --40-50
48. 1859 --~Late Aug,3381 McElroy party massacres Natives Roff’s Ranch, Pitt Riv. vic., CA--49
49. 1852 -- Nov, Ben Wright Massacre of Modoces, peace talks, Lost Riv., Tule Lake, CA --30-41
50. 1855 -- Oct 08, Lupton Massacre, Whites attack Natives ~Upper Table Rock, OR --23-41
51. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA--30-40
52. 1854 -- May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA--32--40
53. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA -- >40
54. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
55. 1859 -- Summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA-- ~40
56. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA-- ~40
57. 1861 --Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA --13-39
58. 1840 -- Mar 19, Council House Fight, Comanches in peace party, San Antonio, TX3382-- 35
59. 1863 -- Apr 19, Keysville Massacre, US Army attacks Natives, near Keysville, CA -- 35
60. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA --20-32
61. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9~30
62. 1871 -- Cowboys (4) Massacre Yahi women/children, Kingsley Cave, Tehama Co., CA-- ~30
63. 1853 -- Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA -- 27
64. 1859 -- --Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA -- >27
65. 1854 -- Feb 15, Miller group massacres Chetco River Natives ~river mouth, SW OR -- ~26
66. 1862 -- Aug, Massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA --23-24
67. 1760 -- Feb, Massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC-- 22
68. 1849 -- Mar Ore. miners kill Maidus, American River, Weber’s Creek, Coloma, CA -- >22
69. 1690 -- --Sep 15, Massacre, English attack native village, NW of Brunswick, ME -- 21
70. 1763 -- Dec 14 & 27, Massacres, *Paxton Boys* kill Natives, Conestoga & Lancaster, PA -- 20
71. 1837 -- Spring, Santa Rita/John Johnson Massacre, Apache Trading Party, SX NM -- 20

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3380 Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”
3381 Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.
3382 Seven Texans were also killed – making total number of dead 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.
72. 1858 -- Early-mid Jun, Whites attack Mattole Natives, Mattole Vlly., Humboldt Co. -- 15-20

Violence Subset—“MASSACRES” - Whites Against Native Americans—By Mortality (Cont.)

73. 1849 -- Apr 26, Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA -- >17
74. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA -- 17
75. 1854 -- Jan 29, Coos Co. whites massacre Coquilles, Whiskey Run, no. of Coquille Ri., OR -- 16
76. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA -- 10-16
77. 1745 -- Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK -- 15
78. 1852 -- Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border -- 11-15
79. 1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA -- 15
80. 1675 -- July or Sep, VA Militiamen looking for Doeg Natives Kill Susquehannocks, VA -- 14
81. 1858 -- Dec 31, Whites kill Natives ~Eden Valley, Russian River area, Sonoma Co., CA -- 14
82. 1850 -- Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA >13
83. 1853 -- Mar 01, Cattle theft reported, Whites attack Natives in cave near Oak Grove, CA -- 13
84. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA -- 11
85. 1859 -- ~Oct 11, Massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA -- 11
86. 1768 -- Jan 10-11, Stump massacre of Native men/women/children, Penn Twp, Cumberland Co., PA -- 10
87. 1774 -- Apr 30, Greathouse VA force murder Mingos, Yellow Creek/OH Riv., OH/WV^3383~10
88. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA -- ~10

^3383 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.
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<td>1840</td>
<td>Mar 19, Council House Fight, Comanches in peace party, San Antonio, TX</td>
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</table>

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3384 Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by “lancing.”
3385 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.)*
3386 In dispute; some place in Westchester Co., NY (Dinan. “Historians Sift Clues...” *Greenwich Time*, 3-5-2006.)
3387 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.
31. 1840 -- Oct 24, TX volunteers ambush Comanche camp, Red Fork Col. River, TX  --110-140
32. 1846 -- Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA-- >175
33. 1849 -- March, Ore. miners kill Maidus, American River, Weber’s Creek, Coloma, CA-- >22
34. 1849 -- Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA-- ≥17

VIOLENCE Subset--“MASSACRES” - Whites Against Native Americans – Chronological

35. 1850 -- “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA-- 145
36. 1850 -- Sweathouse Massacre, Sonoma County Whites kill Natives, Napa County, CA-- 11
37. 1850 -- Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA>13
38. 1850 -- May 15, Bloody Island Massacre, USA Attack Pomo, Clear Lake, CA --60-200
39. 1850 -- May 19, Russian River Massacre, US Army attacks Pomo, ~Healdsburg, CA -- >75
40. 1851 -- Massacre, White Miners Burn Wintu Council House, Old Shasta, CA -- 300
41. 1852 -- Mar 12, Massacre of Natives, upper crossing Klamath Ri. ferry & Indian Flat, CA--30-40
42. 1852 -- Apr 23, Bridge Gulch Massacre, Whites attack Natives ~Hayfork, No. CA --140-153
43. 1852 -- July 03~, Harvey party attacks Yokut village, Kings River rancheria, CA --9~30
44. 1852 -- Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border --11-15
45. 1852 -- Nov, Ben Wright Massacre of Modocs, peace talks, Lost Riv., Tule Lake, CA --30-41
46. 1853 -- Burnt Ranch Massacre, Settlers kill Tolowa, Yontocket, Smith Riv., No. CA--450-600
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. 1854 -- Feb 15, Miller group massacres Chetco River Natives ~river mouth, SW OR -- ~26
51. 1854 -- May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA--32~40
52. 1855 -- Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA --30~100
53. 1855 -- Sep, “Cpt.” Jarboe force Massacres Achomawi Natives, Pit River village, CA -- >70
54. 1855 -- Oct 08, Lupton Massacre, Whites attack Indian village ~Upper Table Rock, OR-- 23
55. 1856 -- Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA -- >40
56. 1857 -- Sep 3, Massacre, Col. Harney Attacks Sioux Camp, Bluewater Creek, NE -- 150
57. 1858 -- Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA -- 15
58. 1858 -- Early-mid Jun, Whites attack Mattole Natives, Mattole Vly., Humboldt Co. --15-20
59. 1858 -- Dec 31, Whites kill Natives ~Eden Valley, Russian River area, Sonoma Co., CA—14
60. 1859 -- Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA -- 40
61. 1859 -- Late Mar-mid Apr, Whites kill Natives, Round Valley, Mendocino Co., CA--300-400
62. 1859 -- May, Whites Massacre Yuki Natives, Round Valley, Mendocino County, CA -- 240

762
3388 Seven Texans were also killed – making total number of dead 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.
63. 1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA -- 17
64. 1859 -- July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA -- 10-16
65. 1859 -- July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA -- ~10
66. 1859 -- Summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA-- ~40
67. 1859 -- Late Aug, McElroy party massacres Natives, Roff’s Ranch, Pitt Riv. vic., CA ->49
68. 1859 -- ~Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA -- ~27
69. 1859 -- Dec 19, Whites attack Natives, Round Valley, Mendocino County, CA -- 20-32

VIOLENCE Subset--“MASSACRES” - Whites Against Native Americans – Chronological

70. 1860 -- Whites attack Yuki Natives near Round Valley, Mendocino County, CA -- 250
71. 1860 -- Feb 26, Whites Massacre Natives, Indian Isl. & Humboldt Bay vic., CA -->100->250
72. 1861 -- Feb 2, Settlers kill Natives, Eel Riv. above Sonoma Trail, Iaqua vicinity, CA -- 13-39
73. 1861 -- Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val. CA--100-240
74. 1862 -- Aug, Massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA -- >20
75. 1863 -- Jan 29, Massacre, Shoshoni Village attacked, Bear River, Utah Territory -- 384
76. 1863 -- Apr 19, Keysville Massacre, US Army attacks Natives, near Keysville, CA -- 35
77. 1863 -- Sep 3, Massacre, Army attacks Dakota/Lakota Sioux, Whitestone Hill, ND --150-300
78. 1864 -- Sep, General massacre of Yana Natives, Northern CA -->335-500
79. 1864 -- Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO --130-150
80. 1865 -- Aug 16, Workman/Three Knolls Massacre, Whites kill Yanas, Mill Creek, CA-- ~40
81. 1868 -- Nov 27, “Battle” of the Washita, Custer attacks Cheyenne village, OK -- 103
82. 1870 -- Jan 23, Massacre, Marias Riv. Piegan Tribe attacked by 2nd Cav., MT Territory-- 173
83. 1871 -- Cowboys (4) Massacre Yahi women/children, Kingsley Cave, Tehama Co., CA-- ~30
84. 1871 -- Apr 30, Massacre of Apaches, Camp Grant Arivaipa, Arizona Territory --125-150
85. 1890 -- Massacre, Natives attacked by U.S. 7th Cavalry, Wounded Knee, SD -- 350

3389 Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.
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 FL3390 --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 5, 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 WY3391-- 28
15. 1850 -- Apr 03, Sioux Massacre Chippewa men, women, children, Apple River, WI -- 14

3390 Today’s Jacksonville.
3391 Cross-listed under Violence-Labor, Violence-Racial, and Violence-Terrorism.
1. 1565 -- Sep 20, Massacre, Spanish troops kill male French colonists, Fort Caroline L\textsuperscript{3392}~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
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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 WY\textsuperscript{3393}-- 28
15. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR--31-34

\textsuperscript{3392} Today’s Jacksonville.
\textsuperscript{3393} 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. MA^3394 -- 217
2. 1962 -- May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO^3395 -- 45
3. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO^3396 -- 44
4. 1964 -- May 07, Mass Mur., Pilot Shot, Pacific Air 773 Crashes, San Ramon, CA,^3397 -- 44
5. 1987 -- Dec 07, Mass Mur., Pacific SW Flight 1771 Hijacked/Crashed, Cayucos, CA^3398 -- 43
6. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mexico^3399 -- 42
7. 1960 -- Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC^3400 -- 34

VIOLENCE – PLANES Blown-Up or Crashed Subset–Chronological

1. 1955 -- Nov 01, Mass Murder, United Flight No. 629 Blown Up over Denver, CO^3401 -- 44
2. 1959 -- Nov 16, Mass Mur., National Airlines 967 Brought Down, Gulf of Mexico^3402 -- 42
3. 1960 -- Jan 06, Mass Murder, National Air Flight 2511 Blown-up, Bolivia, NC^3403 -- 34
4. 1962 -- May 22, Mass Mur., Continental Flight 11 Blown-Up over Unionville, MO^3404 -- 45
5. 1964 -- May 07, Mass Mur., Pilot Shot, Pacific Air 773 Crashes, San Ramon, CA,^3405 -- 44
6. 1987 -- Dec 07, Mass Mur., Pacific SW Flight 1771 Hijacked/Crashed, Cayucos, CA^3406 -- 43
7. 1999 -- Oct 31, Mass Murder, Egypt Air Flight 990 Crash, off Nantucket Is. MA^3407 -- 217

^3394 Cross-listed under Aviation.
^3395 Cross-listed under Aviation and Violence-Bombing.
^3396 Cross-listed under Aviation and Violence-Bombing.
^3397 Cross-listed under Aviation.
^3398 Cross-listed under Aviation.
^3399 Cross-listed under Aviation.
^3400 Cross-listed under Aviation.
^3401 Cross-listed under Aviation and Violence-Bombing.
^3402 Cross-listed under Aviation and Violence-Bombing.
^3403 Cross-listed under Aviation.
^3404 Cross-listed under Aviation and Violence-Bombing.
^3405 Cross-listed under Aviation.
^3406 Cross-listed under Aviation.
^3407 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.3408--269 (US 61-94)

3408 61-62 were U.S. citizens (depending on source). Thirty-two were foreign nationals living in the U.S.
1. 1850 -- “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA

OTHER:
   1982 -- Sep 29, Sabotage/Poisoning deaths begin, Tylenol Tampering, Chicago, IL

VIOLENCE– POISONING Subset -- Deadliest American – By MORTALITY

VIOLENCE– POISONING Subset -- Deadliest American -- CHRONOLOGICAL

1. 1850 -- “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA
   1982 -- Sep 29, Sabotage/Poisoning deaths begin, Tylenol Tampering, Chicago, IL

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3409 Cross-listed in Violence – Massacres.
3410 Cross-listed in Sabotage.
3411 Cross-listed in Violence – Massacres.
3412 Cross-listed in Sabotage.
VIOLENCE -- POLITICAL: Secession, Uprising, Revolt, Riot, Mob Subset-By Mortality

1. 1771 -- May 16, “Regulators” Uprising, NC -- 300
2. 1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300
3. 1836 -- Feb 23-March 6, Fall of the Alamo, Texans Revolt from Mexico -- 257
4. 1874 -- Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR -- >200
5. 1863 -- July 13-17, Anti-Draft and Racial Riots, New York City, NY\[3413\] --105--120
6. 1873 -- Apr 13, Racial and Political Violence, Colfax, Louisiana --67-105
7. 1811 -- Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA -- 101
8. 1876 -- Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken & Barnwell Co’s. SC\[3414\] --25-100
10. 1875 -- Sep 4-6, Racial/political violence, whites attack blacks, Clinton, Hinds Co., MS\[3415\]37-57
11. 1884 -- Mar 28-30, Hamilton County Courthouse Riots, Cincinnati, OH\[3416\] --45-56
12. 1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA\[3417\] --38-48
13. 1874, Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA\[3418\]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,\[3419\] Independence uprisings multiple locations, Puerto Rico -- ~33
17. 1874 -- Aug 30, Racial/Political Coughassa Massacre, Coughatta to Shreveport, LA\[3420\]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-Nothings anti-German/Irish/Catholic riot, Louisville, KY\[3421\]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, MO\[3422\] -- 10

3413 Cross-listed in Racial Violence.
3414 Cross-listed herein given the strong Democrat versus Republican backdrop and component of this violence.
3415 Cross-listed in Racial Violence. Majority of targets were Black men, in general, and Republican leaders.
3416 Cross-listed in the Violence subset Racial/Ethnic, in that one source considers it such, but at least one does not.
3417 Cross-listed in the Violence subset Racial/Ethnic.
3418 Cross-listed in the Violence subset Racial/Ethnic.
3419 Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.
3420 Cross-listed in the Violence subset Racial/Ethnic.
3421 Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks, and in the Religious subset.
3422 Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks.
**VIOLENCE--POLITICAL Subset: Secession/Uprising/Revolt/Riot/Mob--Chronological**

<table>
<thead>
<tr>
<th>Year</th>
<th>Event Description</th>
<th>Location</th>
<th>Victims</th>
</tr>
</thead>
<tbody>
<tr>
<td>1677</td>
<td>Leaders of Bacon’s Rebellion (colonists vs. Gov. Berkeley) hanged in VA</td>
<td>VA</td>
<td>22-23</td>
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<tr>
<td>1712</td>
<td>April 6, Fear of Insurrection of Blacks, Executions, NY, NY</td>
<td>NY</td>
<td>21</td>
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<tr>
<td>1771</td>
<td>May 16, “Regulators” Uprising, NC</td>
<td>NC</td>
<td>300</td>
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<tr>
<td>1800</td>
<td>Aug 30, Gabriel’s Rebellion/Slave Uprising/Mass Hanging, Richmond, VA</td>
<td>VA</td>
<td>35</td>
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<td>1811</td>
<td>Jan, Deslondes Slave Rebellion and Retaliation, German Coast, LA</td>
<td>LA</td>
<td>101</td>
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<tr>
<td>1831</td>
<td>Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA</td>
<td>VA</td>
<td>55-65</td>
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<td>1836</td>
<td>Feb 23-March 6, Fall of the Alamo, Texans Revolt from Mexico</td>
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<td>1847</td>
<td>Jan 19-20 Mexican/Pueblo Revolt, against U.S. NM occupation, Taos vic.</td>
<td>NY</td>
<td>16-219</td>
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<td>1848</td>
<td>Violence, Vigilante Riot, Jailhouse, Cincinnati, OH</td>
<td>OH</td>
<td>11</td>
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<tr>
<td>1854</td>
<td>Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO</td>
<td>MO</td>
<td>10</td>
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<tr>
<td>1855</td>
<td>Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY</td>
<td>KY</td>
<td>22</td>
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<tr>
<td>1859</td>
<td>Oct 16-18, John Brown Insurrection, Harper’s Ferry, VA</td>
<td>VA</td>
<td>20</td>
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<tr>
<td>1861</td>
<td>April 19, Secession Mob Attacks 6th MA &amp; 7th PA Regiments, Baltimore</td>
<td>Baltimore</td>
<td>16</td>
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<tr>
<td>1863</td>
<td>July 13-17, Anti-Draft and Racial Riots, New York City, NY</td>
<td>NY</td>
<td>105-120</td>
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<td>1866</td>
<td>July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA</td>
<td>LA</td>
<td>38-48</td>
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<tr>
<td>1868</td>
<td>Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA</td>
<td>LA</td>
<td>200-300</td>
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<tr>
<td>1873</td>
<td>April 13, Racial and Political Violence, Colfax, Louisiana</td>
<td>LA</td>
<td>67-105</td>
</tr>
<tr>
<td>1874</td>
<td>Apr 30-May 9 “Brooks-Baxter (contending Govs.) War” Little Rock AR</td>
<td>AR</td>
<td>&gt;200</td>
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<tr>
<td>1874</td>
<td>Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA</td>
<td>LA</td>
<td>10-26</td>
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<tr>
<td>1874</td>
<td>Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA</td>
<td>LA</td>
<td>27-38</td>
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<tr>
<td>1875</td>
<td>Sep 4-6, Racial/political violence, whites attack blacks, Clinton, Hills Co., MS</td>
<td>MS</td>
<td>37-57</td>
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<tr>
<td>1876</td>
<td>Sep 15-21, Racial Violence, esp. ~Ellenton, Aiken &amp; Barnwell Co’s. SC</td>
<td>SC</td>
<td>25-100</td>
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<tr>
<td>1882</td>
<td>June, Slave Insurrection Conspiracy Charge, Executions, Charleston, SC</td>
<td>SC</td>
<td>35</td>
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<tr>
<td>1884</td>
<td>Mar 28-30, Hamilton County Courthouse Riots, Cincinnati, OH</td>
<td>OH</td>
<td>45-56</td>
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<tr>
<td>1884</td>
<td>Nov 01, Political Riot, Loreauville, Iberia Parish, LA</td>
<td>LA</td>
<td>&gt;18</td>
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</tbody>
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3423 Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks.
3424 Cross-listed in the Violence subset Racial/Ethnic Incidents, Riots, Attacks, and in the Religious subset.
3425 Cross-listed in Racial Violence.
3426 Cross-listed in the Violence subset Racial/Ethnic.
3427 Cross-listed in the Violence subset Racial/Ethnic.
3428 Cross-listed in the Violence subset Racial/Ethnic.
3429 Cross-listed in Racial Violence. Majority of targets were Black men, in general, and Republican leaders.
3430 Cross-listed herein given the strong Democrat versus Republican backdrop and component of this violence.
3431 Cross-listed in the Violence subset Racial/Ethnic, in that one source considers it such, but at least one does not.
26. 1898 -- Nov 10, Racial and Political (local coup d’état) Violence, Wilmington, NC --22-26

27. 1950 -- Oct 29-Nov 6, Independence uprisings multiple locations, Puerto Rico -- ~33

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[3432] Most of the fighting was over by Nov 1, but did not conclude entirely until Nov 6.
1. 1971 -- Sep 9-13, Attica Prison Riot and Government Re-taking of Prison, Attica, NY $^{3433}$ 39
2. 1980 -- Feb 2-3, NM State Penitentiary Uprising/Inmate Killings, near Santa Fe, NM -- $\geq33$

Cross-listed in Prison Riots.

$^{3433}$ Cross-listed in Prison Riots.
$^{3434}$ Cross-listed in Prison Riots.
1. 1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA  --200-300
2. 1917 -- July 1-3, especially July 2, East St. Louis anti-Black Race Riots, IL  --48-200
4. 1921 -- May 31-Jun 1, Race Riot, Whites attack Blacks, Greenwood area, Tulsa, OK --38-200
5. 1873 -- April 13, Racial and Political Violence, Colfax, Louisiana  --67-105
6. 1919 -- Sep 30-Oct 2, Elaine Race Riot/Elaine Race Massacre, against Blacks, AK -- <100
7. 1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA --54-64
8. 1875 -- Sep 4-6, Racial/pol. violence, whites attack blacks, Clinton, Hinds Co., MS --34-37
9. 1884 -- March 28-30, Hamilton County Courthouse Riot, Cincinnati, OH --45-56
10. 1992 -- April 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, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA --30->50
14. 1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN --46-48
15. 1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA --38-48
16. 1968 -- Apr 4-11, Martin Luther King Jr. assassination rioting, esp. Chicago, DC  --42-46
17. 1906 -- Sep 22-26, Race Rioting, Atlanta, GA  --25-40
18. 1874, Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA  --27-38
19. 1919 -- July 27-31 (dates of major rioting and deaths), Race Riots, Chicago, IL  --38
20. 1943 -- June 20-22, Detroit Racial Rioting, MI  --34
21. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY --22-26
22. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY --22-26
23. 1865 -- Jul 3-5, Race Riots/Violence, result of Jack Johnson defeat of Jim Jeffries  --18-24
24. 1871 -- Mar 6-7 approximately, Racial Violence, Meridian, MS  --25-30
25. 1885 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY  --28
27. 1874 -- Aug 30, Racial/Political Coushatta Massacre, Coushatta to Shreveport, LA  --10-26
28. 1898 -- Nov 10, Racial and Political (local coup d’état) Violence, Wilmington, NC  --22-26
29. 1967 -- July 12-17 (esp. 13th), Police Violence and Racial Rioting, Newark, NJ  --25-26
31. 1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY  --22

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Cross-listed in Political Violence. Majority of targets were Black men, in general, and Republican leaders.

Cross-listed in Political violence subset – 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.

There were unconfirmed reports of up to 300 fatalities. Cross-listed in Violence – Labor.

Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Gov. Use of Force.

Cross-listed in Violence subset Political.

Cross-listed in Governmental use of force violence subset in that police killed 17 people, all black.

Cross-listed under Violence-Labor, Violence-Massacres, and Violence-Terrorism.

Of the 25-26 deaths, 23 were from gunshots, approximately 19 of those by local and State Police and State National Guard, thus cross-listed in Governmental Use of Force. One death was by a drug overdose, which we have not seen an account which explains why this was considered riot-related, thus the range of 25-26.
32. 1712 -- Apr 06, Violence, Fear of Insurrection of Blacks leads to Executions, NY, NY -- 21
33. 1871 -- Oct 24, Racial Violence and Massacre, Chinatown, Los Angeles, CA -- 21
34. 1888 -- Aug 16, Racial Violence, White Regulators attack Blacks, Freetown, LA -- 10-21
35. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama -- 16-20
36. 1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN -- 20
37. 1917 -- Aug 23, 24th Infantry (Black)/Camp Logan Mutiny/Racial Riot, Houston, TX -- 20

**VIOLENCE – RACIAL/ETHNIC** Incidents, Riots, Attacks Subset – **MORTALITY**

38. 1863 -- July 13-17, Anti-Draft and Racial Riots, NYC (black subset of 105--120)\(^{3446}\) -- 11-18
40. 1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami, FL -- 18
41. 1868 -- July 15 time-frame, White vs. Black Conflict, Millican, Brazos Co., TX -- 6-15
42. 1904 -- Mar 23-24, Racial Violence Against Blacks, St. Charles, AR -- 13
43. 1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre, Carrollton, MS -- 13
44. 1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH -- 10-12
45. 1900 -- Jul 24-27, Anti-black riots (re. Robert Charles shootings), New Orleans, LA\(^{3447}\) -- ~12
46. 1891 -- Mar 14, Racial Vio., Mob Enters Jail, Kills Italian Prisoners, New Orleans LA -- 11
47. 1854 -- Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO\(^{3448}\) -- 10
48. 1889 -- Dec 25, Racial Violence, Jesup, GA -- 6--10

**Other:**

1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT -- 9
1923 -- Jan 1-7, 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

\(^{3445}\) Cross-listed in the Violence subset Political, and in the Religious subset.
\(^{3446}\) Cross-listed in Political Violence.
\(^{3447}\) This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.
\(^{3448}\) Cross-listed in the Violence subset Political.
1712 -- Apr 06, Violence, Fear of Insurrection of Blacks leads to Executions, NY, NY -- 21
1741 -- Mar, Alleged Slave Uprising, Blacks Burned and Hanged, NYC, NY --33-52
1831 -- Aug 21-23, Nat Turner Slave Revolt/Massacre of Whites, Southampton Co., VA --55-65
1831 -- Aug 23-31, White response to Turner revolt, Blacks killed without trial, VA/NC --32--54
1854 -- Aug 7-8, Voting Riots, Nativist “Know Nothings” vs. Irish, St. Louis, MO --10-12
1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot, Cincinnati, OH --10-12
1855--Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY --55-65
1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, Panama --16-20
1863 -- July 13-17, Anti-Draft and Racial Riots, NYC (black subset of 105--120) --11-18
1866 -- May 1-3, Racial riots, Irish police lead riots against blacks, Memphis, TN --46-48
1866 -- July 30, Racial/Political “Riots”, Blacks seeking rights, New Orleans, LA --38-48
1868 -- July 15 time-frame, White vs. Black Conflict, Millican, Brazos Co., TX -- 6-15
1868 -- Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA --200-300
1874 -- Sep 14, White League vs. Republican Race/Politics Battle, New Orleans LA --27-38
1874 -- Dec 07, Violence-Massacre, Whites attack Blacks, Vicksburg, MS -- 50
1875 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY -- 28
1884 -- March 28-30, Hamilton County Courthouse Riot, Cincinnati, OH --45-56
1885 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY --13
1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre, Carrollton, MS -- 13
1887 -- Nov 23-25, Violence, racial/labor, striking sugarcane workers, Thibodaux, LA --30->50
1888 -- Aug 16, Racial Violence, White Regulators attack Blacks, Freetown, LA --10-21
1889 -- Dec 25, Racial Violence, Jesup, GA --6--10

3449 Cross-listed in Political Violence.
3450 Cross-listed in Political Violence, and in the Religious Violence subsets.
3451 Cross-listed in Political Violence.
3452 Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire. Cross-listed in Gov. Use of Force.
3453 Cross-listed in Political Violence.
3454 Cross-listed in Political Violence.
3455 Cross-listed in Political Violence.
3456 Cross-listed in Political Violence. Majority of targets were Black men, in general, and Republican leaders.
3457 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.
3458 Cross-listed under Labor Violence, Violence-Massacres, and Violence-Terrorism.
3459 There were unconfirmed reports of up to 300 fatalities. Cross-listed in Labor Violence.
<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Death Toll</th>
</tr>
</thead>
<tbody>
<tr>
<td>1898</td>
<td>Nov</td>
<td>Racial and Political (local coup d’état) Violence</td>
<td>Wilmington, NC</td>
<td>22-26</td>
</tr>
</tbody>
</table>

**VIOLENCE – RACIAL Incidents, Riots, Attacks Subset -- CHRONOLOGICAL**

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Location</th>
<th>Death Toll</th>
</tr>
</thead>
<tbody>
<tr>
<td>1900</td>
<td>Jul</td>
<td>Anti-black riots (re. Robert Charles shootings)</td>
<td>New Orleans, LA</td>
<td>~12</td>
</tr>
<tr>
<td>1904</td>
<td>Mar</td>
<td>Racial Violence Against Blacks</td>
<td>St. Charles, AR</td>
<td>13</td>
</tr>
<tr>
<td>1906</td>
<td>Sep</td>
<td>Race Rioting</td>
<td>Atlanta, GA</td>
<td>25-40</td>
</tr>
<tr>
<td>1910</td>
<td>Jul</td>
<td>Race Riots/Violence</td>
<td>result of Jack Johnson defeat of Jim Jeffries</td>
<td>18-24</td>
</tr>
<tr>
<td>1910</td>
<td>July</td>
<td>Racial Rioting</td>
<td>Whites attack Blacks, Slocum, TX and vicinity</td>
<td>18-28</td>
</tr>
<tr>
<td>1911</td>
<td>Mar</td>
<td>Violence, Race Strike</td>
<td>Queen &amp; Crescent Rail, KY, TN</td>
<td>20</td>
</tr>
<tr>
<td>1917</td>
<td>Aug</td>
<td>Anti-Black Race Riots</td>
<td>East St. Louis</td>
<td>48-200</td>
</tr>
<tr>
<td>1917</td>
<td>Jul</td>
<td>24th Infantry (Black)/Camp Logan Mutiny</td>
<td>Racial Riot</td>
<td>Houston, TX</td>
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<tr>
<td>1919</td>
<td>Jul</td>
<td>Race Riots</td>
<td>Chicago, IL</td>
<td>38</td>
</tr>
<tr>
<td>1919</td>
<td>Sep</td>
<td>Elaine Race Riot/Elaine Race Massacre</td>
<td>against Blacks, AK</td>
<td>&lt;100</td>
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<tr>
<td>1920</td>
<td>May</td>
<td>Race Riot</td>
<td>Whites attack Blacks, Greenwood area, Tulsa, OK</td>
<td>38-200</td>
</tr>
<tr>
<td>1923</td>
<td>Jan</td>
<td>Rosewood Rioting</td>
<td>Whites attack Blacks, Rosewood, Levy Co., FL</td>
<td>&gt;8</td>
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<tr>
<td>1943</td>
<td>Jun</td>
<td>Detroit Racial Rioting</td>
<td>MI</td>
<td>34</td>
</tr>
<tr>
<td>1945</td>
<td>Jul</td>
<td>U.S. Army guard machine-guns sleeping German POWs</td>
<td>Salina, UT</td>
<td>9</td>
</tr>
<tr>
<td>1965</td>
<td>Aug</td>
<td>Watts Race Riots</td>
<td>Los Angeles, CA</td>
<td>34</td>
</tr>
<tr>
<td>1967</td>
<td>July</td>
<td>Detroit Race Riots</td>
<td>Army, Mich. NG, Detroit &amp; State Police, MI</td>
<td>43</td>
</tr>
<tr>
<td>1968</td>
<td>Apr</td>
<td>Martin Luther King Jr. assassination rioting</td>
<td>esp. Chicago, DC</td>
<td>42-46</td>
</tr>
<tr>
<td>1980</td>
<td>May</td>
<td>Racial riots after jury acquits police</td>
<td>Miami FL</td>
<td>18</td>
</tr>
<tr>
<td>1992</td>
<td>Apr</td>
<td>Riots following Rodney King Verdict</td>
<td>Los Angeles, CA</td>
<td>53-54</td>
</tr>
<tr>
<td>2012</td>
<td>Aug</td>
<td>Mass Shooting</td>
<td>Sikh Temple of Wisconsin Oak Creek, WI</td>
<td>7</td>
</tr>
</tbody>
</table>

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3460 This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.
3461 Cross-listed in Governmental use of force violence subset in that police killed 17 people, all black.
3462 Of the 25-26 deaths, 23 were from gunshots, approximately 19 of those by local and State Police and State National Guard, thus cross-listed in Governmental Use of Force. One death was by a drug overdose, which we have not seen an account which explains why this was considered riot-related, thus the range of 25-26.
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, FL 3463 --3464 50
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, KY 3465-22
7. 1655 -- Mar 20, Battle of Severn, Catholics attack Puritans, Horn Pt., Annapolis, MD 3466 -- 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, MD3467--  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, KY 3468-22
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, FL 3469 --3470 50

3463 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.
3464 Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,
3465 Cross-listed in the Violence subset Political, and in the Racial/Ethnic subset.
3466 Cross-listed in Violence subset “Battles.”
3467 Cross-listed in Violence subset “Battles.”
3468 Cross-listed in the Violence subset Political, and in the Racial/Ethnic subset.
3469 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.
3470 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, NV\textsuperscript{3471} -- 24
2. 1905 -- June 21, Sabotage, Train Derails, Twentieth Century Limited, Mentor, OH\textsuperscript{3472} -- 19-21
3. 1884 -- Nov 13, Sabotage, Houston & TX Central Train derails, ~Hempstead, TX\textsuperscript{3473} -- 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, IL\textsuperscript{3474} -- 7

\textsuperscript{3471} Cross-listed in Rail.
\textsuperscript{3472} Cross-listed in Rail.
\textsuperscript{3473} Cross-listed in Rail.
\textsuperscript{3474} Cross-listed in Poisoning.
<table>
<thead>
<tr>
<th>Year</th>
<th>Event</th>
<th>Location</th>
<th>Victims</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1927</td>
<td>Dynamite Bombing</td>
<td>Bath Township Consolidated School, MI</td>
<td>39</td>
<td>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.”</td>
</tr>
<tr>
<td>2007</td>
<td>Virginia Tech Shootings</td>
<td>Blacksburg, VA</td>
<td>32-33</td>
<td>Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter.</td>
</tr>
<tr>
<td>1966</td>
<td>Charles Whitman Killing Spree</td>
<td>Univ. TX-Austin Tower Sniper, TX</td>
<td>16-17</td>
<td>Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.</td>
</tr>
<tr>
<td>2018</td>
<td>School Shooting</td>
<td>Marjory Stoneman Douglas High Sch., Parkland FL</td>
<td>17</td>
<td>Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.</td>
</tr>
<tr>
<td>1976</td>
<td>California State University Fullerton Library Shooting Rampage</td>
<td>CA</td>
<td>7</td>
<td>Killed were nine people -- 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.</td>
</tr>
<tr>
<td>2014</td>
<td>Mass Murder</td>
<td>Univ. of California at Santa Barbara, Isla Vista, CA</td>
<td>6-7</td>
<td>The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.</td>
</tr>
<tr>
<td>1989</td>
<td>School Shooting</td>
<td>Cleveland Elementary School, Stockton, CA</td>
<td>5-6</td>
<td>Six students were shot or stabbed to death before the killer shot himself in the head.</td>
</tr>
<tr>
<td>1991</td>
<td>Gang Lu Killing Spree</td>
<td>University of Iowa, Iowa City, IA</td>
<td>5-6</td>
<td>Four University of Iowa faculty and one student killed before gunman commits suicide.</td>
</tr>
<tr>
<td>2006</td>
<td>West Nickel Mines School (Amish) Shooting</td>
<td>Lancaster County, PA</td>
<td>5-6</td>
<td>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.)</td>
</tr>
<tr>
<td>2008</td>
<td>Classroom Killings</td>
<td>Northern Illinois University, DeKalb, IL</td>
<td>5-6</td>
<td>Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.</td>
</tr>
<tr>
<td>1998</td>
<td>Westside Middle School Shootings</td>
<td>Jonesboro, AR</td>
<td>5</td>
<td>Five student victims and the gunman suicide.</td>
</tr>
</tbody>
</table>


Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter.

Shooter killed 27 – 20 children & 6 adults at the school, plus his mother at home. Then committed suicide (#28).

Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

Killed were nine people -- 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.

The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.

Cross-listed in Rampage Shootings

Six students were shot or stabbed to death before the killer shot himself in the head.

Four University of Iowa faculty and one student killed before gunman commits suicide.

Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

Five student victims and the gunman suicide.

The two Westside School students killed four fellow students and one teacher, wounding 10 others.
1. 1927 -- May 18, Dynamite Bombing, Bath Township Consolidated School, MI \(^{3489}\) -- 46
2. 1966 -- Aug 1, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper \(^{3490}\) -- 16-17
3. 1976 -- July 12, California State University Fullerton Library Shooting Rampage -- 7
4. 1989 -- Jan 17, School Shooting, Cleveland Elementary School, Stockton, CA \(^{3491}\) -- 5-6
5. 1991 -- Nov 01, Gang Lu School Killing Spree, University of Iowa, Iowa City, IA \(^{3492}\) -- 5-6
6. 1998 -- March 24, Westside Middle School Shootings, Jonesboro, AR \(^{3493}\) -- 5
7. 1999 -- April 20, Columbine High School Shooting, Columbine, CO \(^{3494}\) -- 13-15
8. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN \(^{3495}\) -- 9-10
9. 2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA \(^{3496}\) -- 5-6
10. 2007 -- Apr 16, Virginia Tech Shootings, Blacksburg, VA \(^{3497}\) -- 32-33
11. 2008 -- Feb 14, Classroom Killings, Northern Illinois University, DeKalb, IL \(^{3498}\) -- 5-6
12. 2012 -- Apr 02, School Shootings, Oikos University, Oakland, CA \(^{3499}\) -- 7
13. 2012 -- Dec 14, Mass Shooting, Sandy Hook Elementary School, Newtown, CT \(^{3500}\) -- 27-28
14. 2014 -- May 23, Mass Murder, Univ. of California at Santa Barbara, Isla Vista, CA \(^{3501}\) -- 6-7
15. 2015 -- Oct 1, Mass shooting, Umpqua Community College, Roseburg, OR \(^{3502}\) -- 9-10
17. 2018 -- May 18, School Shooting, Santa Fe High School, Santa Fe (near Houston), TX -- 10

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\(^{3490}\) Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

\(^{3491}\) 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.)

\(^{3492}\) Four University of Iowa faculty and one student killed before gunman commits suicide.

\(^{3493}\) The two Westside School students killed four fellow students and one teacher, wounding 10 others.

\(^{3494}\) Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

\(^{3495}\) Killed were nine people -- 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.

\(^{3496}\) Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

\(^{3497}\) Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter.

\(^{3498}\) Five student victims and the gunman suicide.

\(^{3499}\) Cross-listed in Rampage Shootings.

\(^{3500}\) Shooter killed 27 – 20 children & 6 adults at the school, plus his mother at home. Then committed suicide (#28).

\(^{3501}\) Six students were shot or stabbed to death before the killer shot himself in the head.

\(^{3502}\) The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.
2. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL --50
3. 2007 -- Apr 16, Virginia Tech Shootings, Blacksburg, VA --32-33
4. 2012 -- Dec 14, Mass Shooting, Sandy Hook Elementary School, Newtown, CT --27-28
5. 2017 -- Nov 5, Mass Shooting, First Baptist Church, Sutherland Springs, TX
6. 1991 -- Oct 16, George Hennard Shootings, Luby’s Restaurant, Killeen, TX --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. 1966 -- Aug 01, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper --16-17
10. 2018 -- Feb 14, School Shooting, Marjory Stoneman Douglas High Sch., Parkland, FL --17
11. 1987 -- Dec 22, 26, 28, R. Gene Simmons Killing Spree, Dover & Russellville, AR --16
12. 1999 -- April 20, Columbine High School Shooting, Columbine, CO --13-15
15. 2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA --14
16. 1949 -- Sep 06, Howard Barton Unruh Rampage Mass Shooting, Camden, NJ --13
17. 1982 -- Sep 25, George Banks family shooting spree, Jenkins Twp./Wilkes-Barre, PA --13
19. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX --13
22. 1913 -- Sep 28, Rampage Shooting Spree, brothers on cocaine, Lynching, Harriston, MS --11-12
23. 1990 -- June 17-18, Violence/Shootings, esp. GMAC (18th), Jacksonville, FL --11-12

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.

Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.

Cross-listed here, in Religious (religion based anti-gay hatred) and in Terrorism.

Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50.

Shooter killed 32 students and faculty; then committed suicide. Cross-listed in School Shootings.

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.

Twenty-three killed by Hennard, who then killed himself.

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.

Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence-Mass Murder.

Shooter shoots and kills thirteen people and then shoots himself fatally.

Cross-listed in Violence subset Terrorism.

Cross-listed in Violence subset Mass Murder.

Cross-listed in Terrorism.

Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

James Edward Pough shot and killed two people on the 17th. The 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.
<table>
<thead>
<tr>
<th>Year</th>
<th>Date</th>
<th>Event Description</th>
<th>Location</th>
<th>Mortality</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012</td>
<td>July 20</td>
<td>James Holmes Mass Shooting, Century 16 Theater, Aurora, CO</td>
<td></td>
<td>12</td>
</tr>
<tr>
<td>1975</td>
<td>Mar 30</td>
<td>Violence, Rampage Shooting, James Ruppert kills relatives, Hamilton, OH</td>
<td></td>
<td>11</td>
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<tr>
<td>2018</td>
<td>Oct 27</td>
<td>Mass Shooting, Tree of Life Synagogue, Pittsburgh, PA</td>
<td></td>
<td>11</td>
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<tr>
<td>2019</td>
<td>Aug 4</td>
<td>Mass shooting outside bar (9 deaths), police kill shooter, Dayton, OH</td>
<td></td>
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<tr>
<td>1984</td>
<td>Apr 15</td>
<td>Mass Shooting, Christopher Thomas “Palm Sunday Massacre,” NY, NY</td>
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<tr>
<td>1999</td>
<td>Jul 27-29</td>
<td>Mark Barton Mass Murder Shooting(9)/Killing Spree (12), Atlanta</td>
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<tr>
<td>2005</td>
<td>Mar 21</td>
<td>16-year-old killing spree, Red Lake HS &amp; vic., Red Lake, MN</td>
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<td>2009</td>
<td>Mar 10</td>
<td>Mass Murder, McLendon Shooting Spree, Geneva County, AL</td>
<td></td>
<td>10</td>
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<tr>
<td>2018</td>
<td>May 18</td>
<td>School Shooting, Santa Fe High School, Santa Fe (near Houston), TX</td>
<td></td>
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<tr>
<td>2019</td>
<td>Aug 3</td>
<td>Workplace shootings, worker kills 8 coworkers/self, Manchester, CT</td>
<td></td>
<td>9</td>
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<td>2015</td>
<td>May 17</td>
<td>Violence, Biker-Gangs/Police Shoot-Out at Twin Peaks restaurant, Waco, TX</td>
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<td>1945</td>
<td>July 08</td>
<td>U.S. Army guard machine-guns sleeping German POWs, Salina, UT</td>
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<td>1982</td>
<td>Aug 20</td>
<td>Rampage shooting (8), mentally disturbed man (killed), Miami, FL</td>
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<td>1989</td>
<td>Sep 14</td>
<td>Assault Rifle Workplace Mass Murder (8)/Suicide, Louisville, KY</td>
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<tr>
<td>2010</td>
<td>Aug 3</td>
<td>Shooting rampage (7 killed by shooter), Midland-Odessa area, TX</td>
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<td>1915</td>
<td>Mar 06</td>
<td>Monroe Phillips Shooting Rampage (kills 6, is shot) Brunswick, GA</td>
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<td>1971</td>
<td>June 14</td>
<td>“Dope Den” “Execution Style” Mass Murder, Detroit, MI</td>
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<td>1987</td>
<td>Jul 11-12</td>
<td>Man shoots wife, two children, his parents, in-laws, Federal Way, WA</td>
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<tr>
<td>1987</td>
<td>Dec 22, 26, 28</td>
<td>R. Gene Simmons Killing Spree, Dover &amp; Russellville, AR</td>
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<tr>
<td>2009</td>
<td>Nov 2</td>
<td>Workplace Mass Murder Shootings, Xerox, Honolulu, HI</td>
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<tr>
<td>2014</td>
<td>May 23</td>
<td>Mass Murder, Univ. of California at Santa Barbara, Isla Vista, CA</td>
<td></td>
<td>7</td>
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<td>2006</td>
<td>Mar 26</td>
<td>Mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA</td>
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<tr>
<td>2008</td>
<td>Feb 15</td>
<td>Classroom Killings/Suicide, Northern IL University, DeKalb, IL</td>
<td></td>
<td>7</td>
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<tr>
<td>2012</td>
<td>Apr 02</td>
<td>School Shootings, Oikos University, Oakland, CA</td>
<td></td>
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<tr>
<td>1991</td>
<td>Nov 1</td>
<td>Gang Lu Killing Spree, University of Iowa, Iowa City</td>
<td></td>
<td>5-6</td>
</tr>
</tbody>
</table>

3519 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.

3520 Killed were nine people -- 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.

3521 Cross-listed in Violence subset of Mass Murder.

3522 Cross-listed in Violence-Mass Murder. Simmons drowned one and strangled seven others, for a total of 16.

3523 Six students shot or stabbed to death before the killer shot himself in the head. Cross-listed in School Shootings.

3524 The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

3525 Four University of Iowa faculty and one student killed before gunman commits suicide.
1996 -- Feb 9, Fired city worker shoots five former coworkers, self, Fort Lauderdale, FL\textsuperscript{3526}--5-6
2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA\textsuperscript{3527} -- 6
2016 -- Feb 20, Violence, Uber driver random mass shootings, Kalamazoo, MI -- 6
2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL -- 6

VIOLENCE – SHOOTINGS/Gun Violence Subset – By Mortality (continued)

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

\textsuperscript{3526} Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6\textsuperscript{th} death.
\textsuperscript{3527} Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.
VIOLENCE – SHOOTINGS/Gun Violence Subset – Chronological

1856 -- May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin Co., KS
1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid, Trading Post, KS

1. 1913 -- Sep 28, Mass Murder Shooting Spree, Lynching, Harriston, MS
    1915 -- March 6, Monroe Phillips Shooting Rampage (kills 6, is shot) Brunswick, GA

2. 1929 -- Feb 14, St. Valentine’s Day Massacre, Capone gang vs. Moran gang, Chicago, IL

3. 1933 -- June 17, Shooting murder of four law officers plus prisoner, Kansas City, MO

4. 1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs, Salina, UT

5. 1949 -- Sep 06, Howard Barton Unruh Rampage Mass Shooting, Camden, NJ

6. 1966 -- Aug 1, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper

7. 1971 -- June 14, “Dope Den” “Execution Style” Mass Murder, Detroit, MI


9. 1976 -- July 12, California State University Fullerton Library Shooting Rampage

    1982 -- Aug 20, Rampage shooting (8), mentally disturbed man (killed), Miami, FL


12. 1984 -- Apr 15, Mass Shooting, Christopher Thomas “Palm Sunday Massacre,” NY, NY

13. 1984 -- July 18, Mass Shooting, James Oliver Huberty, McDonald’s, San Ysidro, CA


15. 1987 -- July 11-12, Man shoots wife, two children, parents, in-laws, Federal Way, WA

16. 1987 -- Dec 22, 26, 28, R. Gene Simmons Killing Spree, Dover & Russellville, AR

17. 1988 -- Feb 16, Richard Wade Farley Workplace Shootings. ESL Inc., Sunnyvale, CA

18. 1989 -- Sep 14, Assault Rifle Workplace Mass Murder (8)/Suicide, Louisville, KY

19. 1990 -- June 17-18, Violence/Shootings, esp. GMAC (18th), Jacksonville, FL

20. 1991 -- Oct 16, George Hennard Shootings, Luby’s Restaurant, Killeen, TX

21. 1991 -- Nov 01, Gang Lu Killing Spree, University of Iowa, Iowa City, IA

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3528 Sub-type meant to capture essentially lone-gunner (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.

3529 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.

3530 Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15.

3531 James Edward Pough shot and killed two people on the 17th. The 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.

3532 Twenty-three killed by Hennard, who then killed himself.

3533 Four University of Iowa faculty and one student killed before gunman commits suicide, for the 6th final death.
1996 -- Feb 9, Fired city worker shoots five former coworkers, self, Fort Lauderdale, FL

VIOLENCE – SHOOTINGS/Gun Violence Subset – Chronological (continued):

13. 1999 -- April 20, Columbine High School Shooting, Columbine, CO

14. 1999 -- Jul 27-29, Mark Barton Mass Murder Shooting(9)/Killing Spree (12), Atlanta

1999 -- Nov 02, Workplace Mass Murder Shootings, Xerox, Honolulu, HI

15. 2005 -- Mar 21, 16-year-old killing spree, Red Lake HS & vic., Red Lake, MN

2006 -- Mar 26, Mass-shooting, rave afterparty, Capitol Hill community, Seattle, WA

2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA

16. 2007 -- April 16, Virginia Tech Shootings, Blacksburg, VA

2008 -- Feb 15, Classroom Killings/Suicide, Northern IL University, DeKalb, IL

17. 2009 -- March 10, Mass Murder, McLendon Shooting Spree, Geneva County, AL

18. 2009 -- April 3, Mass Killings, Immigration Services Center, Binghamton, NY

19. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX

20. 2010 -- Aug 3, Workplace shootings, worker kills 8 coworkers/self, Manchester, CT

2012 -- April 2, School Shootings, Oikos University, Oakland, CA

20. 2012 -- July 20, James Holmes Mass Shooting, Century 16 Theater, Aurora, CO

21. 2012 -- Dec 14, Mass Shooting, Sandy Hook Elementary School, Newtown, CT


2014 -- May 23, Mass Murder, Univ. of California at Santa Barbara, Isla Vista, CA

2015 -- May 17, Violence, Biker-Gangs/Police Shoot-Out, Twin Peaks restaurant, Waco, TX

23. 2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA

2016 -- Feb 20, Violence, Uber driver random mass shootings, Kalamazoo, MI

24. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL

25. 2017 -- Oct 1, Shooting, hotel 32nd floor, Country Music Show, Las Vegas, NV

26. 2017 -- Nov 5, Mass Shooting, First Baptist Church, Sutherland Springs, TX

3534 Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.

3535 Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

3536 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.

3537 Killed were nine people -- 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.

3538 The shooter murdered six people ages 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

3539 Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

3540 Shooter killed 32 students and faculty; then committed suicide. Thus “33” includes the shooter.

3541 Shooter shoots and kills thirteen people and then shoots himself fatally.

3542 Cross-listed in Terrorism.

3543 Cross-listed in School Shootings/Bombing.

3544 Shooter killed 27 – 20 children and 6 adults at the school, plus his mother at home. Committed suicide (#28).

3545 Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

3546 Six students shot or stabbed to death before the killer shot himself in the head. Cross-listed in School Shootings.

3547 Cross-listed in Violence subset Terrorism.

3548 Cross-listed here, in Religious (religion based anti-gay hatred) and in Terrorism.

3549 Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50.

3550 Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.
27. 2018 -- Feb 14, School Shooting, Marjory Stoneman Douglas High Sch., Parkland, FL-- 17
28. 2018 -- May 18, School Shooting, Santa Fe High School, Santa Fe (near Houston), TX-- 10
29. 2018 -- Oct 27, Mass Shooting, Tree of Life Synagogue, Pittsburgh, PA -- 11

2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL-- 6
32. 2019 -- Aug 3, white supremacist lone gunman mass shooting, Walmart, El Paso, TX-- 22
33. 2019 -- Aug 4, 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
VIOLENCE – SHOOTOUT

1. 1993 -- Feb 28, Shootout, Large ATF force attempts to serve David Koresh, Waco, TX

3551 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, NY\textsuperscript{3552} --2,830
   2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA\textsuperscript{3553} -- 189
   2001 -- Sep 11, United Airlines N591UA Crash Shanksville, PA\textsuperscript{3554} -- 45
2. 1988 -- Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland\textsuperscript{3555} --(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, OK\textsuperscript{3556}-- 168
5. 1983 -- Apr 18, Terrorism, US Embassy suicide bombing, Beirut, Lebanon 17 US of 63
6. 2016 -- June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL\textsuperscript{3557} --355850
7. 1920 -- Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY\textsuperscript{3559}--30-38
8. 1885 -- Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs WY\textsuperscript{3560}-- 28
9. 2000 -- Oct 12, Suicide Terrorism, USS \textit{Cole} Bombed, Port of Aden, Yemen\textsuperscript{3561} -- 17
10. 2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA\textsuperscript{3562}-- 14
11. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX\textsuperscript{3563} -- 13
12. 1917 -- Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI\textsuperscript{3564} -- 10
13. 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\textsuperscript{3565} -- 6
3. 2001 -- Sep 18-Nov 21, Terrorism, Anthrax Letters, DC FL GA MD NJ NY VA -- 5
4. 1918 -- Sep 04, Bomb Explosion, Federal Building, Chicago, IL\textsuperscript{3566} -- 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, Bombing, LA Int. Airport, 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. 1997 -- Feb 23, Middle East Terrorism, Shooting, Empire State Building, NYC, NY -- 1
12. 1998 -- Jan 29, Abortion Clinic Bombing, (Eric Rudolph), Birmingham, AL -- 1
13. 1954 -- Mar 1, Puerto Rican Nationalists shoot 5, floor of US House of Representatives-- 0

\textsuperscript{3552} Cross-listed in Aviation.
\textsuperscript{3553} Cross-listed in Aviation.
\textsuperscript{3554} Cross-listed in Aviation.
\textsuperscript{3555} Sub-listed in Terrorism and cross-listed in Aviation.
\textsuperscript{3556} Cross-listed in Violence -- Bombings, and in Violence-Mass Murder.
\textsuperscript{3557} Cross-listed here, in Shootings, and in Religious (religion based anti-gay hatred).
\textsuperscript{3558} Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,
\textsuperscript{3559} Cross-listed in Violence-Bombing, and in Violence-Mass Murder.
\textsuperscript{3560} Cross-listed in Violence-Labor, Violence-Massacres, and Violence-Terrorism.
\textsuperscript{3561} Cross-listed in Violence-Bombings.
\textsuperscript{3562} Cross-listed in Violence-Mass Murder.
\textsuperscript{3563} Cross-listed in Violence-Rampage Shootings.
\textsuperscript{3564} Cross-listed in Violence-Bombings.
\textsuperscript{3565} Cross-listed in Violence-Bombings.
\textsuperscript{3566} Cross-listed in Violence-Bombings.
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<th>Victims</th>
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<td>1885</td>
<td>Sep 2, Massacre, Racial/Union Violence, Chinese Miners, Rock Springs, WY</td>
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<td>1917</td>
<td>Nov 24, Bomb Explosion, Central Police Station, Milwaukee, WI</td>
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<tr>
<td>1918</td>
<td>Sep 04, Bomb Explosion Federal Building, Chicago, IL</td>
<td>4</td>
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<tr>
<td>1920</td>
<td>Sep 16, Anarchist Bombing Mass Murder, Wall St. Terrorist Attack, NY</td>
<td>30-38</td>
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<tr>
<td>1950</td>
<td>Nov 1, Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC</td>
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<td>1954</td>
<td>Mar 1, Puerto Rican Nationalists shoot 5, floor of US House of Representatives</td>
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<td>1974</td>
<td>Aug 06, Bombing, LA Int. Airport, near Pan AM Overseas Check-in, CA</td>
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<td>Jan 24, Fraunces Tavern FALN Terrorist Bomb, NYC</td>
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<td>1978-1995</td>
<td>Unabomber Mail Bombings &amp; Terrorism</td>
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<td>1983</td>
<td>Apr 18, Terrorism, US Embassy suicide bombing, Beirut, Lebanon</td>
<td>17 US of 63</td>
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<td>1983</td>
<td>Oct 23, Terrorism, Marine Corps Barracks truck bomb, Beirut, Lebanon</td>
<td>241</td>
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<td>1988</td>
<td>Dec 21, Pan Am Flight 103 Blown-Up over Lockerbie, Scotland</td>
<td>(189 U.S.) 270</td>
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<td>1993</td>
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<td>1997</td>
<td>Feb 23, Middle East Terrorism, Shooting, Empire State Building, NYC, NY</td>
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<td>Jan 29, Abortion Clinic Bombing, (Eric Rudolph), Birmingham, AL</td>
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<tr>
<td>2000</td>
<td>Oct 12, Suicide Terrorism, USS Cole Bombed, Port of Aden, Yemen</td>
<td>17</td>
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<tr>
<td>2001</td>
<td>Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA</td>
<td>~3,069</td>
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<tr>
<td>2001</td>
<td>Sep 11, World Trade Center, American 11 and United 175, NY</td>
<td>~2,830</td>
</tr>
<tr>
<td>2001</td>
<td>Sep 11, American Airlines hits Pentagon, Arlington VA</td>
<td>189</td>
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<tr>
<td>2001</td>
<td>Sep 11, United Airlines N591UA Crash Shanksville, PA</td>
<td>45</td>
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<td>2001</td>
<td>Sep 18-October 15 Anthrax Letters Terrorist Attack</td>
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<tr>
<td>2002</td>
<td>Oct 2-24, DC Beltway Sniper Killings</td>
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<td>2009</td>
<td>Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX</td>
<td>13</td>
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<tr>
<td>2013</td>
<td>Apr 15, Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA</td>
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<tr>
<td>2015</td>
<td>Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA</td>
<td>14</td>
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<tr>
<td>2016</td>
<td>June 12 -- Shooting/Terrorism/Hate-Crime, Gay Nightclub, Orlando, FL</td>
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Cross-listed in Violence-Bombing, and in Violence-Mass Murder.
Sub-listed in Terrorism and cross-listed in Aviation.
Cross-listed in Aviation.
Cross-listed in Aviation.
Cross-listed in Aviation.
Cross-listed in Violence-Rampage Shootings.
Cross-listed in Violence-Mass Murder.
Cross-listed here, in Shootings, and in Religious (religion based anti-gay hatred).
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<td>Pan Am Flight 103 Blown-Up over Lockerbie, Scotland</td>
<td>(189 U.S.) 270</td>
</tr>
<tr>
<td>1984</td>
<td>June 7</td>
<td>Terrorism, Marine Barracks Attacked, Lebanon</td>
<td>-- 253</td>
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<tr>
<td>1983</td>
<td>Apr 18</td>
<td>Terrorism, US Embassy suicide bombing, Beirut, Lebanon</td>
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<tr>
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<td>2015</td>
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<td>-- 13</td>
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<tr>
<td>2017</td>
<td>Oct 31</td>
<td>Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC</td>
<td>-- 8</td>
</tr>
<tr>
<td>1993</td>
<td>Feb 26</td>
<td>World Trade Center Terrorism Bombing, NY, NY</td>
<td>-- 6</td>
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<tr>
<td>1918</td>
<td>Sep 04</td>
<td>Bomb Explosion, Federal Building, Chicago, IL</td>
<td>-- 4</td>
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<tr>
<td>1975</td>
<td>Jan 24</td>
<td>Fraunces Tavern FALN Terrorist Bomb, NYC</td>
<td>-- 4</td>
</tr>
<tr>
<td>2013</td>
<td>Apr 15</td>
<td>Terrorism, Boston Marathon Bombs, MIT officer killed Apr 19, MA</td>
<td>-- 4</td>
</tr>
<tr>
<td>1974</td>
<td>Aug 6</td>
<td>Bombing, LA Int. Airport, near Pan AM Overseas Check-in, CA</td>
<td>-- 3</td>
</tr>
<tr>
<td>1950</td>
<td>Nov 1</td>
<td>Puerto Rican Nationalists try to assassinate President Truman, Blair House, DC</td>
<td>-- 2</td>
</tr>
<tr>
<td>1993</td>
<td>Jan 25</td>
<td>CIA HQ Shootings, Aimal Kasi, Route 123, Langley, VA</td>
<td>-- 2</td>
</tr>
<tr>
<td>1997</td>
<td>Feb 23</td>
<td>Middle East Terrorism, Shooting, Empire State Building, NYC</td>
<td>-- 1</td>
</tr>
</tbody>
</table>

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Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

Cross-listed in Aviation.

Cross-listed in Aviation.

Cross-listed in Aviation.

Sub-listed in Terrorism and cross-listed in Aviation.

Cross-listed in Violence-Bombings.

Cross-listed in Violence-Mass Murder.

Cross-listed in Violence-Rampage Shootings.

Cross-listed in Violence-Bombings.

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, Scotland 3587 (189 U.S.) 270

5. 1993 -- Jan 25, CIA HQ Shootings, Aimal Kasi, Route 123, Langley, VA -- 2
6. 1993 -- Feb 26, World Trade Center Terrorism Bombing, NY, NY 3588 -- 6
7. 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, Yemen 3589 -- 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, NY 3590 -- 2,830
   2001 -- Sep 11, American Airlines hits Pentagon, Arlington VA 3591 -- 189
   2001 -- Sep 11, United Airlines N591UA Crash Shanksville, PA 3592 -- 45
7. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX 3593 -- 13

8. 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, CA 3594 -- 14
8. 2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians, Manhattan NYC, NY -- 8

3587 Sub-listed in Terrorism and cross-listed in Aviation.
3588 Cross-listed in Violence-Bombings.
3589 Cross-listed in Violence-Bombings.
3590 Cross-listed in Aviation.
3591 Cross-listed in Aviation.
3592 Cross-listed in Aviation.
3593 Cross-listed in Violence-Rampage Shootings.
3594 Cross-listed in Violence-Mass Murder.
<table>
<thead>
<tr>
<th>Year Range</th>
<th>Serial Killer</th>
<th>Location(s)</th>
<th>Mortality</th>
</tr>
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<tbody>
<tr>
<td>1988</td>
<td>Charles Cullen Hospital Serial Killer</td>
<td>NJ, PA</td>
<td>35-45</td>
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<tr>
<td>1960’s 1980</td>
<td>Gerald Stano, Serial Killings, FL, NJ</td>
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<td>41</td>
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<tr>
<td>1972-1978</td>
<td>John Wayne Gacy, Jr. Serial Killings</td>
<td>IL</td>
<td>33</td>
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<tr>
<td>1885-1901</td>
<td>Jane Toppan, Serial Killer, MA</td>
<td></td>
<td>31</td>
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<tr>
<td>1970-Aug 8, 1973</td>
<td>Dean Corll “Candy Man” Serial Killer, Houston, TX</td>
<td></td>
<td>27</td>
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<tr>
<td>1973-1978</td>
<td>Ted Bundy Serial Killings, WA, OR, UT, ID, CO, FL</td>
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<tr>
<td>1974-1981</td>
<td>Ervil Morrell LeBaron orders killings of religious opponents, UT, CA</td>
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<td>25</td>
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<tr>
<td>1997-2006</td>
<td>Ronald Dominin Serial Killings, Louisiana</td>
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<tr>
<td>1920-1929</td>
<td>Carl Panzram Serial Killings, OR, NY, MA, CT, MD, PA, KS</td>
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<td>1979</td>
<td>May 28 to June 2, 1980 -- William George Bonin Freeway Killer, LA, CA</td>
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<tr>
<td>1893-1895</td>
<td>Henry Howard Holmes Serial Killings, Chicago, IN, Philadelphia</td>
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<td>20</td>
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<tr>
<td>1900-1909</td>
<td>Belle Gunness Serial Killings, IL, IN</td>
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<tr>
<td>1926-1927</td>
<td>Earle Leonard Nelson 8-Month Killing Spree, U.S. and Canada</td>
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<tr>
<td>1974-1982</td>
<td>Carl Eugene Watts Serial Killings, MI, TX</td>
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<td>1974</td>
<td>Paul John Knowles, Serial Killings, FL, OH, NV, TX, AL, VA, GA</td>
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<td>1989-1993</td>
<td>Joel Rifkin Serial Killings, New York City, NY</td>
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<td>1978-1991</td>
<td>Jeffrey Dahmer Serial Killer, OH, WI</td>
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<td>1948-1980</td>
<td>Carroll Edward Cole Serial Killer, CA, NV, TX</td>
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<td>1971-1983</td>
<td>Randy Steven Kraft Serial Killings, CA</td>
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<td>16</td>
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<tr>
<td>1950’s-1999</td>
<td>David Parker Ray Serial Killings, Truth or Consequences, NM</td>
<td></td>
<td>14</td>
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<tr>
<td>1984-1985</td>
<td>Richard Ramirez Serial Killing Spree, CA</td>
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<tr>
<td>1987-1998</td>
<td>Chester Turner Serial Killings, Los Angeles, CA</td>
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<td>1977-1979</td>
<td>Bianchi and Buono Hillside Stranglers Serial Killing Spree, LA, CA</td>
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<tr>
<td>1981</td>
<td>March-April, hospital nurse kills elderly patients, Perris &amp; Banning, CA</td>
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<tr>
<td>1983-1985</td>
<td>Leonard Lake Serial Killings, CA</td>
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<td>2000-2002</td>
<td>Maury Troy Travis Serial Killings, MO</td>
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<td>12</td>
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<tr>
<td>1872-1873</td>
<td>Bloody Benders Serial Murders, Labette County, KS</td>
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<tr>
<td>1927-1954</td>
<td>Nannie Doss Serial Killings, AL, NC, KS, OK</td>
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<td>1957</td>
<td>Dec 1-Jan 29, 1958--Charles Starkweather/Carol A. Fugate Killing Spree, NE, WY</td>
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<td>1953-1982</td>
<td>Donald Henry Gaskins, Serial Killings, SC</td>
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<td>10</td>
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<td>1974-1991</td>
<td>Dennis Rader “BTK Strangler” Serial Killings, Wichita area, KS</td>
<td></td>
<td>10</td>
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<tr>
<td>1984</td>
<td>May-Nov, Bobby Joe Long Serial Killings of women, Tampa Bay Area, FL</td>
<td></td>
<td>10</td>
</tr>
</tbody>
</table>
Violence – Subset -- Serial Killings (Not Listed in Other Documents) -- By Mortality

# VIOLENCE Subset – WARS – Deadliest American – By MORTALITY

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

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VIOLENCE Subset -- WORKPLACE SHOOTINGS -- By Mortality

1. 1986 -- Aug 20, Postal worker Pat Sherrill Mass Shooting, Post Office, Edmond, OK 3596 -- 14
2. 2009 -- Nov 05, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX 3597 -- 13
5. 1999 -- Jul 27-29, Mark Barton Mass Murder Shooting(9)/Killing Spree (12), Atlanta 3599

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
1999 -- Nov 2, Workplace Mass Murder Shootings, Xerox, Honolulu, HI -- 7
1996 -- Feb 9, Fired city worker shoots five former coworkers, self, Fort Lauderdale, FL 3600 -- 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

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 FL 3602 -- 5-6
2. 1999 -- Jul 27-29, Mark Barton Mass Murder Shooting(9)/Killing Spree (12), Atlanta 3603
1999 -- Nov 2, Workplace Mass Murder Shootings, Xerox, Honolulu, HI -- 7
3. 2009 -- Nov 5, Mass Shooting, Army Major Nidal Malik Hasan, Fort Hood, TX 3604 -- 13
2010 -- Aug 3, Workplace shootings, worker kills 8 coworkers/self, Manchester, CT -- 9
2019 -- Feb 15, Workplace Shooting; five killed by shooter, shooter killed, Aurora, IL -- 13

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3596 Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence-Mass Murder.
3597 Cross-listed in Terrorism.
3598 Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.
3599 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.
3600 Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.
3601 Sherrill committed suicide by shooting himself before he could be arrested, bringing total death toll to 15. Cross-listed in Violence-Mass Murder.
3602 Gunman shot and killed five former co-workers and then turned gun on himself, committing suicide -- 6th death.
3603 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.
3604 Cross-listed in Terrorism.
3605 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 -- >80--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 -- >80--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
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\textsuperscript{3606} -- 52
4. 2011 -- Apr 14-16, Storms, wind, tornadoes, flash flood, AL, AR, MS, NC, OK, VA\textsuperscript{3607} -- 46
5. 1886 -- Aug 20, Severe Storm, TX -- 38
6. 1886 -- May 11, Wind Storm, Kansas City, MO -- 32
8. 1909 -- April 6-7, Wind Storms, MI, MS, NY, PA -- 18-21
9. 1934 -- Oct 21, Windstorm, WA -- 21
10. 1878 -- Jul 4, Severe Weather, Wind, Downbursts, Flash Floods ~Pittsburgh PA\textsuperscript{3608} -- 15
12. 2006 -- Dec 13-22, Windstorm, Carbon Monoxide Poisonings (8), esp. Kings Co. WA\textsuperscript{3609} -- 15
13. 1900 -- Aug 12, Thunder Storm, lightning strikes, small crafts capsize, NYC vic. -- 8-14
14. 1902 -- July 20, Severe Thunderstorm, ~1:30-1:45 pm, Baltimore & vicinity, MD -- 12-13
15. 1909 -- June 11, Wind Storm, Haskell, Lueders, Sweetwater, Wichita Falls, TX -- 11-12
16. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA\textsuperscript{3610} -- 12
17. 1913 -- Oct 23, Thundersqualls, Severe local storms, Tornado, southern LA -- ~11
18. 1924 -- Jun 28, Severe Weather, Th-storms, Tor., Flash Flooding, ~Pittsburgh PA\textsuperscript{3611} -- 11
19. 1894 -- Jun 27, Windstorm, MN & SD -- 10

Other:
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

\textsuperscript{3606} 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.
\textsuperscript{3607} Cross-listed in Tornadoes -- there were deaths due to winds knocking trees down on cars and dwellings, tornadoes, and flash flooding (2).
\textsuperscript{3608} Arbitrary listing: eight deaths were to flash flooding; 7 to wind felling a tree onto a wagon of picnickers.
\textsuperscript{3609} 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.
\textsuperscript{3610} 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.
\textsuperscript{3611} 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.)
1. 1878 -- Jul 4, Severe Weather, Wind, Downbursts, Flash Floods ~Pittsburgh PA $^{3612}$ -- 15
2. 1886 -- May 11, Wind Storm, 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/Wind Storm, Streetcar Building Wall Collapse, Philly, 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, Thunder Storm, 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
9. 1909 -- June 11, Wind Storm, Haskell, Lueders, Sweetwater, Wichita Falls, TX -- 11-12
10. 1913 -- Oct 23, Thundersqualls, Severe local storms, Tornado, southern LA -- ~11
11. 1922 -- June 11, Severe Storm, NY and New England, particularly NYC, NY -- 60
12. 1924 -- Jun 28, Severe Weather, Th-storms, Tor., Flash Flooding, ~Pittsburgh PA $^{3613}$ -- 11
13. 1934 -- Oct 21, Windstorm, WA -- 21
14. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA $^{3614}$ -- 12
15. 1962 -- Oct 12, Columbus Day “Big Blow” Wind Storm, CA, OR, WA $^{3615}$ -- 52
   1993 -- Jan 20, Inauguration Day wind storm, WA -- 5
17. 2006 -- Dec 13-22, Windstorm, Carbon Monoxide Poisonings (8), esp. Kings Co. WA $^{3616}$-- 15
18. 2011 -- Apr 14-16, Storms, wind, tornadoes, flash flood, AL, AR, MS, NC, OK, VA $^{3617}$ -- 46

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$^{3612}$ Arbitrary listing: eight deaths were to flash flooding; 7 to wind felling a tree onto a wagon of picnickers. (Gelber 2002, 145.)

$^{3613}$ 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.)

$^{3614}$ 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.

$^{3615}$ 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.

$^{3616}$ 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.

$^{3617}$ Cross-listed in Tornadoes – there were deaths due to winds knocking trees down on cars and dwellings, tornadoes, and flash flooding (2).
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 Cod3618 -- ~500
4. 1888 -- March 11-14, East Coast Nor’easter “Blizzard of 1888”3619 --259-400
5. 1609/10 -- Hard Winter, Starvation, Disease, Attack, Jamestown Colony -- ~400
7. 1963 -- Jan 18-30, Coldwaves/snow/icing/high wind, esp. IN/OH/IL/NY/MI/PA/TX --315-352
8. 1962 -- Dec 6-15, Snowstorms/cold-wave >26 States ~east half US, esp. OH and MI --188-238
9. 1912 -- Jan 3-19 esp., Coldwaves/snow/blizzards, esp. IL/36, NY/14, PA/31 -- 228
10. 1993 -- March 12-14, Gulf/East Coast late Winter Storm3620; esp. FL/51 PA/52 --247 (US)- 318
11. 1982 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest --244-314
12. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost3621 -US 172-192 of 254-277
13. 1936 -- Feb 1-28, Polar Coldwaves, Snow, Blizzards, Snowslides, Flooding, esp. MI -- 273
14. 1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave --108-268
15. 1936 -- Jan 18-28, Extreme cold/snow/sleet/wind, Midwest - Atlantic, esp. OH, PA--211-263
16. 1925 -- Cold, excessive, esp. IL/18, NY/18, PA/17, MI/15, VA/14, OH/11, WI/11 -- 239
17. 1964 -- Jan 26-28, Winter Storm/Coldwave, Pacific NW, Upper Mid-West, NE --102-145
18. 1978 -- Jan 26-Feb 1, Winter storms/blizzards/coldwave, esp. west NY, IN, OH, MI -- 116
19. 1977 -- Dec 5-12, Snowstorms, Coldwave, wind, esp. upper midwest and northeast --2-14
20. 1967 -- Jan 26-27, Great Midwest Blizzard, IL, IN, MI especially Chicago, IL --100-111
21. 1994 -- Jan 14-21, Winter Extreme Cold and Snow, Northeast, Midwest, South3622 --78-110
22. 1961 -- Feb 3-5, Blizzard-like Snow Storm, Northwest, Midwest, East Coast --69-100
23. 1999 -- Jan 1-5, Winter Storms/Cold, esp. Midwest; most esp. Chicago vic., IL --89-~100
24. 1996 -- Jan 1-5, Winter Storms/Cold, esp. Midwest; most esp. Chicago vic., IL --89-~100
25. 1977 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest --244-314
26. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost3621 -US 172-192 of 254-277
27. 1993 -- March 12-14, Gulf/East Coast late Winter Storm3620; esp. FL/51 PA/52 --247 (US)- 318
28. 1982 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest --244-314
29. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost3621 -US 172-192 of 254-277
30. 1993 -- March 12-14, Gulf/East Coast late Winter Storm3620; esp. FL/51 PA/52 --247 (US)- 318
31. 1982 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest --244-314
32. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost3621 -US 172-192 of 254-277
33. 1993 -- March 12-14, Gulf/East Coast late Winter Storm3620; esp. FL/51 PA/52 --247 (US)- 318
34. 1982 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest --244-314
35. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost3621 -US 172-192 of 254-277
36. 1922 -- Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC3623 -- 98

3618 Cross-listed in Maritime.
3619 Cross-listed in Maritime.
3620 Sometimes referred to as the “Superstorm of 1993,” or the “Storm of the Century.”
3621 Cross-listed in Maritime (all but 8-9 of the lives lost were on the Great Lakes).
3622 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.
3623 Cross-listed in Structural Failures.
38. 1963 -- Jan 9-16/17, Arctic cold/snow/sleet/high winds/blizzards, much of US --81-92
39. 1989 -- Jan 31-Feb 9, Arctic “Siberian Express” out of Alaska, two-thirds of US --76-91
40. 2009 -- Jan 26-29, Ice and Snow Storm, esp. Central/Eastern U.S., esp. KY and AR -- 91
41. 1839 -- Dec 15, “Great Storm of 1839,” Massachusetts Bay, MA\textsuperscript{3624} --64-90

WINTER WEATHER – By MORTALITY (continued):

42. 1975 -- Jan 10-12, Blizzard, Great Storm of 1975, especially IA, MN, NE, ND, SD --80-84
43. 1941 -- Mar 15, Blizzard/Snow Storm, ND, MN, WI, OH, PA, NY -- 82
44. 1970 -- Jan 6-12, Cold Wave/snow/ice, esp. east of Rockies, esp. IN/13, SC, TN/15 --79-81
45. 1903 -- Dec 25-Jan 6, 1904, Blizzards, Snow, Wind, Arctic Cold, esp. MA & NY --76-78
47. 1958 -- Feb 17, Snow Storms, East Coast, CO, MO, OH, WV --43-77
48. 1974 -- Nov 30-Dec 2, Snowstorms, esp. SE MI/32, Northeast OH/12, West PA/11 -- 71
49. 1873 -- Jan 7-9, Blizzard, MN -- 70
50. 1940 -- Feb 14, Winter Nor’easter, Mid-Atlantic states-New England, west to OH --56-69
51. 1961 -- Jan 19-20, Snowstorm, DC, DE, IN, MD, NC, NJ, NY, PA, VA, WV --33-69
52. 1982 -- Jan 30-Feb 5, Snow/Cold, esp. Midwest, esp. Greater Detroit/15 and IL/11 --47-69
53. 2007 -- Jan 12-15, Ice/Winter Storm, Plains, Midwest, Northeast., esp. SE OK -- 69
54. 1979 -- Feb 17-20, Snow/ice storms/extreme cold, Plains to East, Gulf to New England-- ~67
55. 1982 -- Apr 5-8, Snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH --61-67
56. 1984 -- Jan 17-22, Coldwave/snowstorms, especially West, Midwest, Northeast --63-65
57. 1984 -- Feb 26-29, Snowstorms, Mid-MS/OH Valleys NE to New Eng., esp. IL, NY, OH-- 65
58. 1957 -- Jan 14-17, Winter Snowstorms, Cold, especially Upper Midwest, Northeast -- 63
60. 2016 – Jan 20-23, Ice and Snow Storm Jonas, East Coast; esp. NY/10 PA/10 VA/12 --60-61
61. 1846 -- Feb 14/15, Winter Snow Storm, \textit{John Minturn} & other boats wreck, NJ --50-60

63. 1960 -- Feb 12-15, Snow Storm, Gulf States, Atlantic Coast (esp. PA), New England --43-56
65. 1983 -- Feb 10-12, Snow Storm/Blizzard, Mid-Atlantic, Southern New England --31-54
66. 1984 -- Feb 4-5, Snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN (16) --47-52
67. 1924 -- Dec 24-29, Coldwaves/Winter Weather-related deaths, esp. IL/12 and OH/9 -- 51
68. 1620/21 -- Winter, Disease, Exposure, Plymouth Colony, MA -- ~ 50

70. 1948 -- Jan 23-26, Sleet, snowstorms and cold-wave, South to Ohio to Northeast --42-44
71. 1847 -- Donner Party Tragedy, Winter Storm, Snow Starvation, -- 43
72. 1918 -- Jan 11-12, Extreme cold, snow, blizzards, wind, esp. Plains, Midwest, South -- 43
73. 1949 -- Jan 2-5, Blizzard and Extreme Cold, CO/7, NE/20, SD/1, WY/12 -- 40
74. 1962 -- Mar 5-9, “Ash Wednesday” Nor’easter, Mid Atlantic States -- 40
75. 2017 -- Dec 26-Jan 6, 2018, Bitter Cold (exposure), ice/snow (vehicular), much of US --39-40

\textsuperscript{3624} Cross-listed in Maritime.
76. 1993 -- Jan 5-Feb 28, Winter storms, heavy rain and flooding, Southern CA
77. 1945 -- Nov 29-30, New Jersey, New York and New England Nor’easter
78. 1952 -- Nov 25-26, Winter Storm, Mid and Southwest, esp. CO, IA, KS, MN, NE
79. 1948 -- Jan 1-2, Winter Ice, Sleet and Snow Storms, Great Plains to New England
80. 1985 -- Jan 8-13, Winter Cold Wave and Snow Storms, esp. PA/6; MA/5 and TX/5
81. 2007 -- Dec 9-10, Ice Storm, especially Kansas (6) and OK, especially Tulsa
82. 2011 -- Jan 29-Feb 3, Groundhog Day Blizzard (storm), Central, East, Northeast
83. 2011 -- Oct 29, Nor’easter Snowstorm, Northeast -- CT, MA, NJ, NY, PA
84. 1894 -- May 17-18, Great Lakes Storm, 23 Ships Founder (22 Maritime Deaths)
86. 1960 -- Feb 18-20, Snowstorm IA, MD, MS, NC, NJ, NY, New En., PA, VA, WV
87. 1984 -- Mar 7-10, Severe Cold/Snow, especially Upper Midwest and Northeast
88. 1966 -- Mar, Midwest Blizzard
89. 2019 -- Jan 28-Feb 2, Polar cold/snow/ice, esp. upper Mid-West, esp. IL/8, IA/NY/5

WINTER WEATHER – By MORTALITY (continued)

91. 1957 -- Dec 3-4, Snowstorm, esp. CT, DC, DE, IN, MD, NJ, NY, OH, PA and VA
92. 2002 -- Jan 28-Feb 1, Ice/Snow Storms, Plains, Midwest, Northeast, esp. OK and MI
93. 2014 -- Feb 11-16, Winter Storm Pax, Ice and Snow Storm, esp. East Coast
94. 1966 -- Mar, Midwest Blizzard
95. 1971 -- Jan 4, Blizzard, KS, WI, and especially IA
96. 1909 -- Dec 25-26, Winter Storm, No. Atlantic States, especially NYC, CT, MA
97. 1993 -- Dec 24-30, Coldwave/snow/sleet, MT to New Eng., south to OK and East
98. 1993 -- Dec 20-25, Storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)
99. 1954 -- March 1-4, Ohio snow storms/winter weather, esp. Cleveland, OH
100. 2006 -- Nov 29 (late)-Dec 1, Winter Storms, especially the Midwest, also NY, PA
101. 2009 -- Dec 7-9, Winter storm/blizzard, extreme cold, esp. Midwest to East Coast
102. 1990 -- Feb 23 (evening)-24, Snowstorm, cold front, wind, MI, IN, OH (blizzard
103. 1992 -- Dec 10-13, East Coast Nor’easter; Snow/High Waves/Wind; esp. PA (9)
104. 1956 -- Dec 14-15, Winter Snow, sleet and ice storm, East Coast, esp. NY, NE
105. 1998 -- Jan 8-10, Ice Storm, ME (8), NH (2), NY (10), VE (1)
106. 1811 -- Dec 23-24, Winter storm/blizzard, maritime losses, northern Long Island, NY
107. 1873 -- Apr 13, “Easter Blizzard,” NE

3625 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.
3626 Some would call this storm an “Alberta Clipper.” Cross-listed under Maritime.
3627 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.
3628 Cross-listed in Maritime in that the majority of lives lost, chronicled herein, were from maritime vessels.
3629 The name “Pax” came from The Weather Channel.
3630 We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, and 6 from slides.
3631 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.
108. 1929 -- Jan 22, Train Hits Greyhound Bus, Snowstorm, Bellevue, OH\textsuperscript{3632} -- 20

\textbf{WINTER WEATHER -- By MORTALITY} (continued)

109. 1971 -- Feb 8-9, Snowstorm/arctic cold, Midwest, East, New England, esp. OH -- 19
110. 1996 -- Dec 26-Jan 3 '97, Storms, snow, heavy rain, snowmelt, flooding, CA/OR/WA -- 19
111. 2007 -- Nov 30-Dec 1, Winter Storms, especially the Midwest, also Northeast --\geq16-19
112. 2007 -- Dec 22-23, Winter Storm, Midwest, MN/WI/WY (3 each); TX (2); KS (1) --12-19

113. 1786 -- Dec 5, Gale, sloop grounds, Lovell’s Isl., Brig at Pt. Shirley, Boston Harbor MA-18
114. 2013 -- Feb 8-9, Winter Storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY -- 18
115. 2016 -- Dec 15-17, Winter Weather Decima, ice, road accidents, Midwest/Northeast --15-18

116. 1871 -- Dec 3, Winter Exposure, Immigrants Freeze, Saline County, NE -- 17
117. 1940 -- Jan 23-24, Snow/Coldwave, MS, AL, GA, NC, SC, TN, VA, DC, MD, NJ -- 17
118. 1994 -- Jan 4-5, ‘Nor’easter,’ heavy snow, East Coast, esp. northeast, esp. PA (10) -- ~17
119. 2012 -- Dec 25-27, Winter Storm, AL, AR, IN, KY, LA, OH, OK, NY, PA, TX, VA--16-17

120. 1989 -- Dec 2-3, Heavy Snow and traffic accidents, Michigan -- 16

121. 1973 -- Feb 8-11 Snow Storm, SE U.S., AL/FL/GA/LA/MS/NC/SC/TX/VA -- 15
122. 1994 -- Feb 8-13, Southeast, Southwest, Midwest Ice, Snow, Freezing Rain, Sleet -- \geq15
123. 2018 -- Jan 17, Winter storm, snow, deep cold, deaths in GA LA NC TN TX VA WV-- 15

124. 1802 -- Feb 22/23, winter storm, ships ground, esp. \textit{Brutus}, exposure, Cape Cod, MA\textsuperscript{3633} -- 14
125. 1997 -- Jan 7-18, Winter Snow and Cold, San Diego County Mountains, CA -- 14
126. 2014 -- Jan 28-29, Winter Storm Snow/Ice, traffic accidents, AL, GA, MS, NC, SC -- 14

127. 1950 -- Jan 13-14, Winter Storm, Puget Sound, WA -- 13
128. 1979 -- Oct 29-Nov 2, Winter snow storm/blizzard, Midwest/Great Plains, esp. CO/6-- 13
129. 1991 -- Oct 28-Nov 1, Perfect Storm Nor’easter, East Coast, \textit{Andrea Gail} Lost -- 13
130. 2007 -- Dec 1-4, Winter Storm (The Great Coastal Gale of 2007) Pacific NW -- 13
131. 2010 -- March 13, Nor’easter, Heavy Rain, Strong Wind, NJ, NY, CT, RI, WV -- 13
132. 2013 -- Nov 22-25, Winter Storm Boreas, traffic accidents, esp. CA, OK, TX -- 13
133. 2014 -- Nov 18-21, Lake-Effect Snow, Greater Buffalo area, NY --12-13
134. 2019 -- Jan 10-13, Winter Storm Gia, IL/2, IN/1, KS/3, MO/3, VA/3, WV/1 -- 13

135. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA\textsuperscript{3634} -- 12
136. 2007 -- Feb 1-19, Extreme Cold/Wind Chill, Grundy, Kane & esp. Cook County, II -- 12

137. 1886 -- Nov 15-18, Great Lakes Region Storm -- 11
138. 1962 -- Feb 23-24, Snow/ice storms, Midwest, Northeast; deaths in IL, IN, NY, OH, PA -- 11

\textsuperscript{3632} Cross-listed under Bus and Rail.
\textsuperscript{3633} Cross-listed under Maritime.
\textsuperscript{3634} 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.
139. 1987 -- March 27-29, Snowstorms and Cold, especially Midwest and Plains -- ≥11

Some select other notable Winter Weather events with fewer than 10 deaths:

141. 1997 -- Oct 24-25, Blizzard, CO -- 10
142. 2007 -- Dec 15-16, Midwest and East Coast Snow Storm -- ~10

1986 -- May 14-15, Blizzard, Oregon Episcopal School mt. climbing group, Mt. Hood, OR -- 9
1980 -- Jan 8-10 -- Snowstorm, OR (6) and WA (3) -- 9
1996 -- Nov 18-20, Pacific Northwest Storm, Rain, Mudslides, Ice, Snow, OR, WA\textsuperscript{3635} -- 8
1979 -- Jan 9-10, Ice Storm, Portland, Multnomah County, OR -- 5

\textsuperscript{3635} 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.
1. 1609/10 -- Hard Winter, Starvation, Disease, Attack, Jamestown Colony -- ~400
2. 1620/21 -- Winter, Disease, Exposure, Plymouth Colony, MA -- ~50

3. 1778 -- Dec 26-27, Blizzard, New Eng., esp. MA and RI, brig Arnold, sloop Stark -- ≥151
4. 1786 -- Dec 5, Gale, sloop grounds, Lovell’s Isl., Brig at Pt. Shirley, Boston Harbor, MA -- 18
5. 1798 -- Nov 17-21, New England Blizzard and Maritime Storm -- >200

6. 1802 -- Feb 22/23, winter storm, ships ground, esp. Brutus, exposure, Cape Cod, MA 3636 -- 14


9. 1839 -- Dec 15, “Great Storm of 1839,” Massachusetts Bay, MA 3639 -- 64-90

10. 1846 -- Feb 14/15, Winter Snow Storm, John Minturn & other boats wreck, NJ -- 50-60
11. 1847 -- Donner Party Tragedy, Winter Storm, Snow Starvation, -- 43

12. 1871 -- Dec 03, Winter Exposure, Immigrants Freeze, Saline County, NE -- 17
13. 1873 -- Jan 7-9, Blizzard, MN -- 70
14. 1873 -- Apr 13, “Easter Blizzard,” NE -- <20

15. 1886 -- Nov 15-18, Great Lakes Region Storm -- 11
16. 1888 -- Jan 12, Blizzard and extreme cold, especially Dakota Territory, MN & NE -- 315-500
17. 1888 -- Mar 11-14, East Coast Nor’easter “Blizzard of 1888” 3640 -- 259-400

18. 1894 -- May 17-18, Great Lakes Storm, 23 Ships Founder (22 Maritime Deaths) 3641 -- 35
19. 1898 -- Nov. 26-27 “Portland Gale” Nor’easter & Maritime Disaster, Cape Cod 3642 -- 500
20. 1899 -- Jan 29-Feb 14, Arctic Cold, Snow, Blizzards, esp. east and south of Rockies -- 190

21. 1903 -- Dec 25-Jan 6, 1904, Blizzards, Snow, Wind, Arctic Cold, esp. MA & NY -- 76-78
22. 1909 -- Dec 25-26, Winter Storm, No. Atlantic States, especially NYC, CT, MA -- 20-26

23. 1912 -- Jan 3-19 esp., Coldwaves/snow/blizzards, esp. IL/36, NY/31, OH/14, PA/31 -- 228
24. 1913 -- Nov 8-10, Great Lakes storm, esp. Lake Huron, 12 crews lost 3643 US 172-192 of 254-277
25. 1918 -- Jan 11-12, Extreme cold, snow, blizzards, wind, esp. Plains, Midwest, South -- 43

26. 1922 -- Jan 28, Roof Collapse, snow weight, Knickerbocker Theater, Wash. DC 3644 -- 98

Cross-listed under Maritime.
Cross-listed in Maritime in that the majority of lives lost, chronicled herein, were from maritime vessels.
Cross-listed under Maritime.
Cross-listed under Maritime.
Cross-listed under Maritime.
Cross-listed in Winter Storms (though technically late Fall, the storm itself was winter snow and wind storm).
27. 1924 -- Dec 24-29, Coldwaves/Winter Weather-related deaths, esp. IL/12 and OH/9 -- 51
28. 1925 -- Cold, excessive, esp. IL/18, NY/18, PA/17, MI/15, VA/14, OH/11, WI/11 -- 239
29. 1929 -- Jan 22, Train Hits Greyhound Bus, Snowstorm, Bellevue, OH\textsuperscript{3645} -- 20

**WINTER WEATHER -- Deadliest American -- Chronological (continued)**

30. 1933 -- Feb 7-12, Cold Waves, Winter Storms, esp. Central & Upper Midwest --90-150
31. 1933 -- Dec 20-25, Storms, dikes fail/slides/flooding, Pacific Northwest (OR/WA/ID)\textsuperscript{3646} --24
32. 1933 -- Dec 26-28, Winter Storm/Coldwave, Pacific NW, Upper Mid-West, NE --102-145
34. 1936 -- Jan 18-28, Extreme cold/snow/sleet/wind, Midwest - Atlantic, esp. OH, PA--211-263

35. 1940 -- Jan 23-24, Snow/Coldwave, MS, AL, GA, NC, SC, TN, VA, DC, MD, NJ -- 17
36. 1940 -- Feb 14, Winter Nor’easter, Mid-Atlantic states-New England, W. to OH --56-69
37. 1940 -- Nov 11-12 “Armistice Day Blizzard,” WI, SD, NB, MN, IO, and MI -- 154
38. 1941 -- Mar 15, Blizzard/Snow Storm, ND, MN, WI, OH, PA, NY -- 82
41. 1948 -- Jan 1-2, Winter Ice, Sleet and Snow Storms, Great Plains to New England --21-36
42. 1948 -- Jan 23-26, Sleet, snowstorms and cold-wave, South to Ohio to Northeast --42-44
43. 1949 -- Jan 2-5, Blizzard and Extreme Cold, CO/7, NE/20, SD/1, WY/12 -- 40

44. 1950 -- Jan 13-14, Winter Storm, Puget Sound, WA -- 13
45. 1950 -- Oct 25-29, winter-like storms (wind/rain/snow), Northern CA, OR, WA\textsuperscript{3647} -- 12
47. 1951 -- Jan 27-Feb 8, Cold Waves, Winter Storms, ice, sleet, snow, nationwide --175-200
48. 1952 -- Nov 25-26, Winter Storm, Mid and Southwest, esp. CO, IA, KS, MN, NE -- 38
50. 1954 -- March 1-4, Ohio snow storms/winter weather, esp. Cleveland, OH --23-24
51. 1956 -- Dec 14-15, Winter Snow, sleet and ice storm, East Coast, esp. NY, NE --18-22
52. 1957 -- Jan 14-17, Winter Snowstorms, Cold, especially Upper Midwest, Northeast -- 63
53. 1957 -- Dec 3-4, Snowstorm, esp. CT, DC, DE, IN, MD, NJ, NY, OH, PA and VA --20-29
55. 1958 -- Feb 17, Snowstorms, East Coast, CO, MO, OH, WV --43-77

57. 1960 -- Feb 12-15, Snowstorm, Gulf States, Atlantic Coast (esp. PA), New Eng. --43-56
58. 1960 -- Feb 18-20, Snowstorm IA, MD, MS, NC, NJ, NY, New En., PA, VA, WV --26-34
59. 1960 -- Mar 2-5, Snowstorm, IL, IN, OH, KY, WV, PA, MD, NJ, New England --81-174
60. 1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave --108-268
61. 1961 -- Jan 19-20, Snowstorm, DC, DE, IN, MD, NC, NJ, NY, PA, VA, WV --33-69

\textsuperscript{3644} Cross-listed in Structural Failures.
\textsuperscript{3645} Cross-listed under Bus and Rail.
\textsuperscript{3646} We have found cause of death reporting for 16 of 24 -- 7 drownings, 3 from falling trees, and 6 from slides.
\textsuperscript{3647} 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.
62. 1961 -- Feb 3-5, Blizzard-like Snow Storm, Northwest, Midwest, East Coast --69-100
63. 1962 -- Feb 23-24, Snow/ice storms, Midwest, Northeast; deaths in IL, IN, NY, OH, PA -- 11
64. 1962 -- March 5-9, “Ash Wednesday” Nor’easter, Mid Atlantic States -- 40
65. 1962 -- Dec 6-15, Snowstorms/cold-wave >26 --States east half US, esp. OH and MI --188-238
66. 1963 -- Jan 9-16/17, Arctic cold/snow/sleet/high winds/blizzards, much of US --81-92
67. 1963 -- Jan 18-30, Coldwaves/snow/icing/high wind, esp. IN/OH/IL/NY/MI/PA/TX --315-352
68. 1964 -- Jan 12-14, Snowstorm and coldwave, eastern US, esp. IN, OH, PA, NY --146-167
69. 1966 -- Mar, Midwest Blizzard -- 27
70. 1967 -- Jan 26-27, Great Midwest Blizzard, IL, IN, MI especially Chicago, IL --100-111

**WINTER WEATHER -- Deadliest American – Chronological (continued):**

71. 1970 -- Jan 6-12, Cold Wave/snow/ice, esp. east of Rockies, esp. IN/13, SC, TN/15 --79-81
72. 1971 -- Jan 4, Blizzard, KS, WI, and especially IA -- 27
73. 1971 -- Feb 8-9, Snowstorm/arctic cold, Midwest, East, New England, esp. OH -- 19
74. 1973 -- Feb 8-11 Snow Storm, SE U.S., AL/FL/GA/LA/MS/NC/SC/TX/VA -- 15
75. 1974 -- Nov 30-Dec 2, Snowstorms, esp. SE MI/32, Northeast OH/12, West PA/11 -- 71
76. 1975 -- Jan 10-12, Blizzard, Great Storm of 1975, especially IA, MN, NE, ND, SD --80-84
77. 1977 -- Jan 26-Feb 1, Winter storms/blizzards/coldwave, esp. west NY, IN, OH, MI -- 116
78. 1977 -- Dec 5-12, Snowstorms, Coldwave, wind, esp. upper Midwest and Northeast -- ≥114
79. 1978 -- Jan 25-27, Gulf / Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH--143-150
80. 1978 -- Feb 5-7, Nor’easter & Blizzard, Northeast, especially MA and RI --90-119
    1979 -- Jan 9-10, Ice Storm, Portland, Multnomah County, OR -- 5
81. 1979 -- Feb 18-20, “Presidents’ Day Snowstorm, East Coast and New England -- 16
82. 1979 -- Oct 29-Nov 2, Winter snow storm/blizzard, Midwest/Great Plains, esp. CO/6 -- 13

1980 -- Jan 8-10 -- Snowstorm, OR (6) and WA (3) -- 9
83. 1982 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest --244-314
84. 1982 -- Jan 30-Feb 5, Snow/Cold, esp. Midwest, esp. Greater Detroit/15 and IL/11 --47-69
85. 1982 -- Apr 5-8, Snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH --61-67
86. 1983 -- Feb 10-12, Snow Storm/Blizzard, Mid-Atlantic, Southern New England --31-54
87. 1983 -- Dec 14-31, Snow/extreme cold (eastern two-thirds US), sleet/ice (esp. South) --469-471
88. 1984 -- Jan 17-22, Coldwave/snowstorms, especially West, Midwest, Northeast --63-65
89. 1984 -- Feb 4-5, Snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN (16) --47-52
90. 1984 -- Feb 26-29, Snowstorms, Mid-MS/OH Valleys NE to New Eng., esp. IL, NY, OH-- 65
91. 1984 -- March 7-10, Severe Cold/Snow, especially Upper Midwest and Northeast --32-33
92. 1984 -- Mar 28- 30, Nor’easter, wind/snow storms, Northeast, esp. NY/~16, PA/~11 3648--33
93. 1985 -- Jan 8-13, Winter Cold Wave and Snow Storms, esp. PA/6; MA/5 and TX/5 -- 36
94. 1985 -- Jan 18-24 (esp. 19-21), Winter Cold Wave/Storms, esp. East and South --176-184
95. 1986 -- May 14-15, Blizzard, OR Episcopal School mt. climbing group, Mt. Hood, OR-- 9
96. 1987 -- March 27-29, Snowstorms and Cold, especially Midwest and Plains -- ≥11
97. 1989 -- Jan 31-Feb 9, Arctic “Siberian Express” out of Alaska, two-thirds of US --76-91
98. 1989 -- Dec 2-3, Heavy Snow and traffic accidents, Michigan -- 16
99. 1989 -- Dec 8-26, Cold Wave and Winter Snow Storms eastern two-thirds of U.S. -- ≥126

[3648] 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.
99. 1990 -- Feb 23 (evening)-24, Snowstorm, cold front, wind, MI, IN, OH (blizzard) --22-23

100. 1991 -- Oct 28-Nov 1, Perfect Storm Nor’easter, East Coast, Andrea Gail Lost -- 13

101. 1992 -- Dec 10-13, East Coast Nor’easter; Snow/High Waves/Wind; esp. PA (9) -- ~23

102. 1993 -- Jan 5-Feb 28, Winter storms, heavy rain and flooding, Southern CA 3649 -- 39

103. 1993 -- March 12-14, Gulf/East Coast late winter storm; esp. FL/51 PA/52 --247 (US)-- 318

104. 1993 -- Dec 24-30, Coldwave/snow/sleet, MT to New Eng., south to OK and East -- 26

105. 1994 -- Jan 4-5, ‘Nor’easter,’ heavy snow, East Coast, esp. northeast, esp. PA (10) -- ~17

106. 1994 -- Jan 14-21, Winter Extreme Cold and Snow, Northeast, Midwest, South 3650 --78-110

107. 1996 -- Jan 6-9; Blizzard/Snow; Midwest/South/& esp. East Coast/Northeast --154-208

108. 1996 -- Nov 18-20, Pacific Northwest Storm, Rain, Mudslides, Ice, Snow, OR, WA 3651 -- 8


110. 1997 -- Jan 7-18, Winter Snow and Cold, San Diego County Mountains, CA -- 14

111. 1997 -- Oct 24-25, Blizzard, CO -- 10

112. 1998 -- Jan 8-10, Ice Storm, ME (8), NH (2), NY (10), VE (1) 3652 -- 21

113. 1999 -- Jan 1-5, Winter storms/cold, esp. Midwest; most esp. greater Chicago, IL--89--100

**WINTER WEATHER -- Deadliest American – Chronological (continued)**


115. 2002 -- Jan 28-Feb 1, Ice/Snow Storms, Plains, Midwest, Northeast, esp. OK and MI-- 29

116. 2006 -- Nov 29 (late)-Dec 1, Winter Storms, especially the Midwest, also NY, PA --23-24

117. 2007 -- Jan 12-15, Ice/Winter Storm, Plains, Midwest, Northeast., esp. SE OK -- 69

118. 2007 -- Feb 1-19, Extreme Cold/Wind Chill, Grundy, Kane & esp. Cook County, IL -- 12

119. 2007 -- Nov 30-Dec 1, Winter Storms, especially the Midwest, also Northeast --16-19

120. 2007 -- Dec 1-4, Winter Storm (The Great Coastal Gale of 2007) Pacific NW -- 13

121. 2007 -- Dec 9-10, Ice Storm, especially Kansas (6) and Tulsa, OK --35-36

122. 2007 -- Dec 15-16, Midwest and East Coast Snow Storm -- ~10

123. 2007 -- Dec 22-23, Winter Storm, Midwest, MN/WI/WY (3 each); TX (2); KS (1) --12-19

124. 2009 -- Jan 26-29, Ice and Snow Storm, esp. Central/Eastern U.S., esp. KY and AR -- 91

125. 2009 -- Dec 7-9, Winter storm/blizzard, extreme cold, esp. Midwest to East Coast -- 24

126. 2010 -- March 13, Nor’easter, Heavy Rain, Strong Wind, NJ, NY, CT, RI, WV -- 13

127. 2011 -- Jan 29-Feb 3, Groundhog Day Blizzard (storm), Central, East, Northeast -- 36

128. 2011 -- Oct 29, Nor’easter Snowstorm, Northeast -- CT, MA, NJ, NY, PA -- 36

129. 2012 -- Dec 25-27, Winter Storm, AL, AR, IN, KY, LA, OH, OK, NY, PA, TX, VA–16-17

130. 2013 -- Feb 8-9, Winter Storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY -- 18

131. 2013 -- Nov 22-25, Winter Storm Boreas, traffic accidents, esp. CA, OK, TX -- 13

3649 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.

3650 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.

3651 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.

3652 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.
133. 2014 -- Jan 28-29, Winter Storm Snow/Ice, traffic accidents, AL, GA, MS, NC, SC -- 14
134. 2014 -- Feb 11-16, Winter Storm Pax,\textsuperscript{3653} Ice and Snow Storm, esp. East Coast --25-29
136. 2016 -- Jan 20-23, Ice & Snow Storm Jonas, East Coast; esp. NY/10 PA/10 VA/12 --60-61
139. 2018 -- Jan 17, Winter storm, snow, deep cold, deaths in GA LA NC TN TX VA WV-- 15
140. 2019 -- Jan 10-13, Winter Storm Gia, IL/2, IN/1, KS/3, MO/3, VA/3, WV/1 -- 13
141. 2019 -- Jan 28-Feb 2, Polar cold/snow/ice, esp. upper Mid-West, esp. IL/8, IA/NY/5 --30-31

\textsuperscript{3653} The name “Pax” came from The Weather Channel.
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<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event Description</th>
<th>Deaths</th>
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<tr>
<td>1888</td>
<td>Jan 12</td>
<td>Blizzard and extreme cold, especially Dakota Territory, MN &amp; NE</td>
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<td>1913</td>
<td>Nov 7-10</td>
<td>Great Lakes Blizzard “The Big Blow,” 12 U.S. Ships Lost</td>
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<td>New England Blizzard and Maritime Storm</td>
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<td>1940</td>
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<td>“Armistice Day” Blizzard, WI, SD, NB, MN, IO, and MI</td>
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<td>1996</td>
<td>Jan 6-8</td>
<td>Blizzard of ’96, East Coast and Northeast</td>
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<td>1941</td>
<td>Mar 15</td>
<td>North Dakota and Minnesota Blizzard</td>
<td>151</td>
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<td>1978</td>
<td>Jan 25-27</td>
<td>Gulf / Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH</td>
<td>143-150</td>
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<td>1778</td>
<td>Dec 26-27</td>
<td>PA and New England Blizzard (“Hessian Storm”), especially RI</td>
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<td>1978</td>
<td>Feb 5-7</td>
<td>Nor’easter &amp; Blizzard, Northeast, especially MA and RI</td>
<td>90-119</td>
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<tr>
<td>1967</td>
<td>Jan 26-27</td>
<td>Great Midwest Blizzard, IL, IN, MI especially Chicago, IL</td>
<td>100-111</td>
</tr>
<tr>
<td>1922</td>
<td>Jan 27-28</td>
<td>Knickerbocker Blizzard, Theater Collapse, Mid-Atlantic Reg.</td>
<td>98-108</td>
</tr>
<tr>
<td>1999</td>
<td>Jan 1-4</td>
<td>Midwest Blizzard/Freeze, especially greater Chicago vic., IL</td>
<td>73-100</td>
</tr>
<tr>
<td>1975</td>
<td>Jan 10-12</td>
<td>Blizzard, Great Storm of 1975, especially IA, MN, NE, ND, SD</td>
<td>80-84</td>
</tr>
<tr>
<td>1873</td>
<td>Jan 7-9</td>
<td>Blizzard, MN</td>
<td>70</td>
</tr>
<tr>
<td>1982</td>
<td>Apr 5-8</td>
<td>Snow/blizzards/wind/cold, Midwest to New England, esp. IL</td>
<td>61-67</td>
</tr>
<tr>
<td>1983</td>
<td>Feb 10-12</td>
<td>Snow Storm/Blizzard, Mid-Atlantic, Southern New England</td>
<td>31-54</td>
</tr>
<tr>
<td>1984</td>
<td>Feb 4-5</td>
<td>Snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN</td>
<td>47-52</td>
</tr>
<tr>
<td>1977</td>
<td>Jan 27-Jan 31</td>
<td>Winter storm/Blizzard, esp. NE OH, Buffalo &amp; NW NY</td>
<td>34-49</td>
</tr>
<tr>
<td>1949</td>
<td>Jan 2-5</td>
<td>Blizzard and Extreme Cold, CO/7, NE/20, SD/1, WY/12</td>
<td>40</td>
</tr>
<tr>
<td>1966</td>
<td>Mar</td>
<td>Midwest Blizzard</td>
<td>27</td>
</tr>
<tr>
<td>1971</td>
<td>Jan 4</td>
<td>Blizzard, KS, WI, and especially IA</td>
<td>27</td>
</tr>
<tr>
<td>1811</td>
<td>Dec 23-24</td>
<td>Winter storm/blizzard, maritime losses, northern Long Island, NY</td>
<td>20</td>
</tr>
<tr>
<td>1873</td>
<td>Apr 13</td>
<td>“Easter Blizzard,” NE</td>
<td>&lt;20</td>
</tr>
<tr>
<td>1990</td>
<td>Feb 24</td>
<td>Blizzard, OH</td>
<td>12</td>
</tr>
<tr>
<td>1997</td>
<td>Oct 24-25</td>
<td>Blizzard, Colorado</td>
<td>10</td>
</tr>
</tbody>
</table>

1986 -- May 14-15, Blizzard, Oregon Episcopal School mt. climbing group, Mt. Hood, OR-- 9

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3654 Cross-listed under Maritime.
3655 Not all of these deaths were due to blizzard conditions.
3656 The 16 MN deaths were all attributable to the blizzard; many, but not all, of the deaths elsewhere were as well.
3657 Cross-listed under Maritime.
30. 1778 -- Dec 26-27, PA and New England Blizzard ("Hessian Storm"), especially RI -- 125
31. 1798 -- Nov 17-21, New England Blizzard and Maritime Storm -- >200

32. 1811 -- Dec 23-24, Winter storm/blizzard, maritime losses, northern Long Island, NY\textsuperscript{3658} ~20

33. 1873 -- Jan 7-9, Blizzard, MN -- 70
34. 1873 -- Apr 13, "Easter Blizzard," NE -- <20

35. 1888 -- Jan 12, Blizzard and extreme cold, especially Dakota Territory, MN & NE --315-500
36. 1888 -- Mar 11-14, East Coast Nor’easter “Blizzard of 1888”\textsuperscript{3659} --259-400

37. 1913 -- Nov 7-10, Great Lakes Blizzard “The Big Blow,” 12 U.S. Ships Lost --200-300

38. 1922 -- Jan 27-28, Knickerbocker Blizzard, Theater Collapse, Mid-Atlantic Reg. --98-108

39. 1940 -- Nov 11-12 “Armistice Day” Blizzard, WI, SD, NB, MN, IO, and MI -- 154
40. 1941 -- Mar 15, North Dakota and Minnesota Blizzard -- 151
41. 1949 -- Jan 2-5, Blizzard and Extreme Cold, CO/7, NE/20, SD/1, WY/12 -- 40


43. 1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave --108-268
44. 1966 -- Mar, Midwest Blizzard -- 27
45. 1967 -- Jan 26-27, Great Midwest Blizzard, IL, IN, MI especially Chicago, IL --100-111

46. 1971 -- Jan 4, Blizzard, KS, WI, and especially IA -- 27
47. 1975 -- Jan 10-12, Blizzard, Great Storm of 1975, especially IA, MN, NE, ND, SD --80-84
48. 1977 -- Jan 27-Jan 31, Winter storm/Blizzard, esp. NE OH, Buffalo & NW NY --34-49
49. 1978 -- Jan 25-27, Gulf / Arctic air mix; wind/cold/blizzards, esp. upper Midwest, OH--143-150
50. 1978 -- Feb 5-7, Nor’easter & Blizzard, Northeast, especially MA and RI --90-119

51. 1982 -- Apr 5-8, Snow/blizzards/wind/cold, Midwest to New England, esp. IL, OH --61-67
52. 1983 -- Feb 10-12, Snow Storm/Blizzard, Mid-Atlantic, Southern New England --31-54
53. 1984 -- Feb 4-5, Snow, deep cold, wind, blizzard, esp. Upper Plains, esp. MN (16)\textsuperscript{3660} --47-52
   1986 -- May 14-15, Blizzard, OR Episcopal School mt. climbing group, Mt. Hood, OR-- 9

54. 1990 -- Feb 24, Blizzard, OH -- 12
56. 1996 -- Jan 6-9; Blizzard/Snow; Midwest/South/& esp. East Coast/Northeast --154-208
57. 1997 -- Oct 24-25, Blizzard, Colorado -- 10
58. 1999 -- Jan 1-4, Midwest Blizzard/Freeze, especially greater Chicago vic., IL --73--100

\textsuperscript{3658} Cross-listed under Maritime.
\textsuperscript{3659} Cross-listed under Maritime.
\textsuperscript{3660} The 16 MN deaths were all attributable to the blizzard; many, but not all, of the deaths elsewhere were as well.
### Nor’easters Subset of Winter Storms — Deadliest American

1. 1888—Mar 11-14, East Coast Nor’easter “Blizzard of ’88” “Great White Hurricane” — 259-400
2. 1950 -- Nov 24-27, Eastern U.S. “Great Appalachian Storm” Nor’easter -- 383
3. 1978 -- Feb 5-8, New England Nor’easter & Blizzard -- 56
4. 1962 -- Mar 5-9, “Ash Wednesday” Nor’easter, Mid Atlantic States -- 40
7. 1984 -- Mar 28-30, Nor’easter, wind/snow storms, Northeast, esp. NY/~16, PA/~11\(^{3661}\) -- 33
8. 1992 -- Dec 10-13, East Coast Nor’easter; Snow/High Waves/Wind; esp. PA (9) -- ~23
9. 2013 -- Feb 8-9, Winter Storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY -- 18

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\(^{3661}\) 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. MA/61 NJ/18 CT/17 IL/14 PA/12-139-150
2. 1926 -- July 22-Aug 2, 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-March 4, Bootleg Wood Alcohol Poisoning, Puerto Ricans, NYC -- 27
5. 1905 -- Wood Alcohol Poisoning, 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 5, Wood Alcohol Poisoning, New York City, NY -- 11-12
9. 1922 -- Jan 7-11, Wood Alcohol Poisoning, NJ, especially Hoboken, NJ -- 11
10. 1922 -- Sep 5-11, Wood Alcohol Poisoning, NYC, NY -- 11

1919 -- Aug 3-9, 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
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