

STATE Breakout

Alphabetically Arranged

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**

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1. Alabama	167
2. Alaska	87
3. Arizona	99
4. Arkansas	141
5. California	424
6. Colorado	110
7. Connecticut	69
8. Delaware	30
9. District of Columbia	24
10. Florida	194
11. Georgia	146
12. Hawaii	55
13. Idaho	28
14. Illinois	274
15. Indiana	150
16. Iowa	74
17. Kansas	70
18. Kentucky	117
19. Louisiana	247
20. Maine	54
21. Maryland	93
22. Massachusetts	329
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25. Mississippi	166
26. Missouri	196
27. Montana	38
28. Nebraska	51
29. Nevada	46
30. New Hampshire	31
31. New Jersey	203
32. New Mexico	64
33. New York	507
34. North Carolina	150
35. North Dakota	17
36. Ohio	228
37. Oklahoma	129
38. Oregon	80
39. Pennsylvania	416
40. Rhode Island	40
41. South Carolina	111
42. South Dakota	28
43. Tennessee	135
44. Texas	328
45. Utah	43
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Alphabetical Order

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12. Michigan	179	
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15. Virginia	153	
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18. Georgia	146	
19. Arkansas	141	
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21. Oklahoma	129	
22. West Virginia	126	
23. Kentucky	117	
24. South Carolina	111	
25. Colorado	110	
26. Arizona	99	
27. Washington	97	
28. Maryland	93	
29. Wisconsin	88	
30. Alaska	87	
31. Oregon	80	
32. Iowa	74	
33. Kansas	70	
34. Connecticut	69	
35. Minnesota	65	
36. New Mexico	64	
37. Hawaii	55	
38. Maine	54	
39. Nebraska	51	
40. Nevada	46	
41. Utah	43	
42. Rhode Island	40	
43. Montana	38	
44. Wyoming	32	
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48. South Dakota	28	
49. District of Columbia	24	Puerto Rico 19
50. Vermont	21	
51. North Dakota	17	

Color Key

Avalanche/Snowslide

Aviation

Carbon Monoxide/Gasoline Fumes Poisoning

Disease (Communicable)

Drownings

Dust Storms

Earthquakes

Environmental (Smog)

Explosions

Fire, Structural

Fire, Wildfires, Forest, Prairie Fires

Flooding

Heat Wave

Hurricanes and Tropical Storms

Landslides, Mudslides, Debris Flows

Lightning

Maritime and Inland Waterways.

Mining

Rail

Structural Failure

Tainted Medications

Tornadoes

Tsunami

Vehicular -- Road/Highway

Violence

Volcano eruption

Wind Storms/Severe Thunderstorms

Wood Alcohol Poisoning

Winter Weather, Snow and Cold

AL

Alabama

1.	1540 – Oct 18, Spanish (de Soto) battle/ massacre , with Atahachi, Mabila, AL	--2,500-6,000
2.	1813 – Aug 30, Creeks Massacre militia/settlers, Fort Mims, Baldwin County, AL	--250-517
3.	1813 – Sep 1, Creek Indians Massacre two families in Clarke County, AL	-- 12
4.	1813 – Nov 3, Tallushatchee Battle /Massacre , Gen. Coffee destroys Creek Vil., AL	-- 300
5.	1813 – Nov 18, Hillabee Massacre , US Troops attack Creek Vil. Suing for peace, AL	-- 61
6.	1819 – July 27-28, Bay St. Louis Hurricane , Mobile AL (also LA and MS)	--43-200
7.	1819 – Aug 15-Nov 30, Yellow Fever Epidemic, Mobile, AL	-- 274
8.	1825 – July-Oct, Yellow Fever Epidemic, Mobile, AL	-- >55
9.	1829 – Fall, 1 st case Aug 14, Yellow Fever Epidemic, Mobile, AL	-- 130
10.	1836 – Mar 12-13, Steamboat Ben Franklin Boiler Explosion , Mobile, AL	--11-30
11.	1837 – Sep 20-Nov 30, Yellow Fev. , Mobile; also Creeks at Mobile Pt., Pass Christ.	230-350
12.	1839 – Aug 11-Oct 20, Yellow Fever Epidemic, Mobile, AL	-- 650
13.	1842 – Feb 25, Steamboat North Star Boiler Explosion & Fire , Tuscaloosa, AL	--15-16
14.	1842 – Aug 20 start, Yellow Fever Epidemic, Mobile, AL	--60-70
15.	1843 – Aug 18-Nov 5, Yellow Fever Epidemic, Mobile, AL	240-750
16.	1844 – Aug 14 start, Yellow Fever Epidemic, Mobile, AL	-- 40
17.	1847 – Jan 29, Steamer Tuscaloosa , Boiler Explosion, 10M from Mobile, AL	-- 11
18.	1847 – Aug 02, start, Yellow Fever Epidemic, Mobile, AL	-- 78
19.	1848 – May 27, Steamboat H. Kenney Boiler Explosion, Tombigbee River, AL	-- 8-50
20.	1848 – Aug 18, 1 st case, Yellow Fever Epidemic, Mobile, AL	--24-76
21.	1849 – Sum-Wtr., Cholera Epidemic, especially Mobile, AL	-- 150
22.	1849 – Yellow Fever , Mobile, AL	--21-50
23.	1850 – Mar 4, Steamer Orline St. John Burns, AL Riv. ~Bridgeport Landing, AL	--30-70
24.	1850 – Nov 21, 25 or 26, Steamer Antoinette Douglas Boiler Explos., AL Riv., AL	-- 9-30
25.	1851 – Feb? Cholera , Steamer Arkansas , Tallapoosa River, Mobile to Wetumpka, AL	-- 52
26.	1853 – July 13-Dec 16, Yellow Fever , Dog River, Mobile, Montgomery, Selma, AL	--1,291
27.	1855 – Yellow Fever , Montgomery, AL	-- 30
28.	1858 – Mar 1, Steamer Eliza Battle Fire/Explosion, Kemp's Landing ~Demopolis AL	--29-90
29.	1858 – Aug, 1 st case, Yellow Fever Epidemic, Mobile, AL	-- 70
30.	1860 – Typhoid Fever (AL subset of 19,236 deaths in 38 “registration” States and DC) ¹	--836
31.	1860 – Sep 17-18, Storm, R. H. Dixie wrecked, Bay of Mobile, off AL	-- 16
32.	1860 – Nov 3, Steam Towboat Baltic Explosion, Mobile, AL	-- 20
33.	1865 – Smallpox , Mobile, AL ²	-- 100
34.	1865 – May 25, Mobile Magazine Explosion , Mobile AL	-- 300
35.	1867 – Nov 17, Steamboat Onward burns, Alabama River, Bells Ledge, AL	-- 11
36.	1868 – May 5, Tornadoes , Pickens, Tuscaloosa, Talladega Counties, AL	-- 12
37.	1870 – Measles (AL subset of 9,237 measles deaths nationwide) ³	-- 403
38.	1870 -- ~Aug-Oct, Yellow Fever , Mobile, AL	-- 100
39.	1871 – Aug 27, Steamboat Ocean Wave Boiler Explos., Point Clear ~Mobile, AL	--34-75
40.	1873 – June-Aug, Cholera Epidemic, especially Birmingham and Huntsville, AL ⁴	-- 194

¹ Was the second leading reported cause of death in the State in 1860, behind pneumonia.

² There was also smallpox in Montgomery, but do not know the fatalities.

³ In terms of largest loss of life per state AL was 7th behind NY/1073, MO/860, IL/702, OH/621, PA/554, VA/407.

⁴ Became epidemic late June – about half the 4,000 residents of Birmingham fled the area; economy devastated.

Alabama (continued)

41. 1873 – Aug 22-Nov 19, Yellow Fever epidemic, Montgomery, also Mobile ⁵	--151-159
42. 1874 – Nov 22, Tornadoes , Colbert, Lauderdale, Shelby Counties, AL	--12-16
43. 1875 – May 1, Tornadoes (2) AL	-- 37
44. 1878 – Aug-Nov 10, Yellow Fever , esp. Decatur, Florence, Mobile, and Tuscumbia	-- 250
45. 1879 – June-May 1880, “ Malarial Fever ,” (AL subset, 20,231 such deaths in U.S.) ⁶	--1,232
46. 1883 – Sep 12-Nov 6, Yellow Fever Outbreak, Brewton, AL	-- 28
47. 1884 – Feb 19, Tornadoes , especially Jefferson, Pike, Shelby, St. Clair Counties, AL	27-210
48. 1884 – April 2, Tornadoes , Blount and Madison Counties, AL	-- 10
49. 1885 – Nov 6, Tornado , Dallas County, Near Selma, AL	-- 13
50. 1886 – Dec 28, Fire, Steamer/Boarding House <i>Bradish Johnson</i> , Jackson, AL	-- ~24
51. 1887 – Mar 01, Steamer <i>W.H. Gardner</i> Burns, Tombigbee River, ~Gainesville, AL	-- 20
52. 1888 – Dec 08, Hawes Lynch Mob fired on , Jefferson Co. Jail, Birmingham, AL	--10-15
53. 1891 – May 22, Mine Explosion , Pratt No. 1 Shaft Coal Mine, Pratt City, AL	-- 11
54. 1893 – Oct 1-2, Hurricane <i>Cheniere Caminanda</i> , Mobile, AL (~2,000 in LA)	-- 12
55. 1894 – June, Labor Violence , Coal Miners Strike and Violence, North AL	-- 10
56. 1897 – Yellow Fever Outbreak, Bay Minette, Flomaton, Whistler, esp. Mobile, AL	-- 57
57. 1899 – March 18, Tornadoes (3), AL	-- 16
58. 1900 – Typhoid Fever (AL subset of 35,379 typhoid fever deaths nationwide) ⁷	--1,713
59. 1901 -- March 25, Tornado , Jefferson Co. (Birmingham/Avondale/Irondale), AL	--16-25
60. 1902 – March 26-27, Flooding , especially northwest of Decatur, AL	-- 11
61. 1902 – Sep 01, Excursion Train Derailment , Southern Railway, near Berry, AL ⁸	-- 30
62. 1902 – Sep 20, Shiloh Church Stampede , Birmingham, AL	-- 115
63. 1903 – April 8, Tornadoes (2), Leesburg, Hopewell, Summit, AL	-- 20
64. 1903 – May 24, Tornadoes (3), Franklin, Kearney, Adams, Webster, Clay Co. AL	-- 14
65. 1904 – Jan 22, Tornado , Hale-Tuscaloosa Counties (Moundville), AL	-- 37
66. 1905 – Feb 20, Mine Explosion , Coal Mine Virginia City, AL	-- 160
67. 1906 – Feb 27, Mine Explosion , Little Cahaba Coal Mine, Piper, AL	-- 12
68. 1907 – Dec 16, Mine Explosion , Yolande Coal Mine, Yolande, AL	-- 57
69. 1908 – April 24-25, Tornadoes , AL	--37-48
70. 1909 – Feb 02, Mine Explosion , Short Creek Coal Mine, Short Creek, AL	-- 18
71. 1909 – Oct 14, Storm and Tornadoes , Franklin, Marshall, Jackson Counties, AL	--11-21
72. 1910 – Apr 20, Mine Explosion , Mulga Coal Mine Mulga, AL	-- 40
73. 1910 – May 5, Mine Explosion , Coal Mine No. 3, Palos/Birmingham, AL	-- 84
74. 1911 – Apr 08, Mine Explos. , Banner coal mine, Pratt Consolidated, Littleton, AL	--128-129
75. 1912 – Aug 13, Mine Explosion , Abernant Coal Mine, Abernant, AL	-- 18
76. 1913 – Jan 09, <i>Jas. T. Staples</i> Boiler Explosion , Tombigbee River, near Mobile, AL	--15-16
77. 1913 – March 13/14, Tornadoes , Bullock, Calhoun, Etowah, Macon, Montgomery Co.--	10
78. 1913 – March 21, Tornadoes (4), AL	-- 34
79. 1913 – Nov 13, Three Train coaches derail down embankment, near Clayton, AL	-- ~10
80. 1913 – Nov 18, Mine Explosion , Acton No. 2 Coal Mine, Acton, AL	-- 24

⁵ Also Huntsville, Junction, Oakfield and Pollard.

⁶ In terms of largest loss of life in a State, AL was 2nd, behind MO with 1,563 malarial fever deaths.

⁷ In terms of largest loss of life to typhoid in a State, AL was 6th behind PA/2779, TX/2013, OH/1795, NY/1776.

⁸ Listed as well in Mississippi -- was a MS excursion train and the great majority of fatalities were from MS.

Alabama (continued)

81.	1914 – Jan 10, Mine Explosion , Rock Castle Coal Mine, Rock Castle, AL	--	12
82.	1914 – Sep 18, Sabotage, Train Derailment , Livingston, AL	--	10
83.	1914 – Oct 05, Mine Explosion , Mulga Coal Mine, Mulga, AL	--	16
84.	1916 – Oct 22, Mine Explosion , Marvel (Roden Mine) Coal Mine, Marvel, AL	--	18
85.	1916 – Nov 4, Mine Explosion , Bessie Coal Mine, Palos, AL	--	30
86.	1917 – Feb 23, Tornadoes , Hale, Perry, Elmore, Coosa, Clay Counties, AL	--	16
87.	1917 – Mar 26-27, Tornadoes (2), Pike, Crenshaw, Hale Counties, AL	--	10
88.	1917 – May 27-28 Tornadoes (7), AL	--	50
89.	1918 – Typhoid Fever (AL subset of 9,100 U.S. typhoid fever deaths nationwide) ⁹	--	598
90.	1918 – Jan 11, Tornado , Pike and Houston Counties (especially Webb), AL	--	13
91.	1918-1919 Influenza and Pneumonia Epidemic	--	16,381
	1918 – Influenza and Pneumonia Epidemic	--	11,328
	1919 – Influenza and Pneumonia Epidemic	--	5,053
92.	1919 – Apr 19, Mine Explosion , Majestic Coal Mining Co., Birmingham, AL	--	16
93.	1919 – Apr 29, Mine Explosion , Majestic Coal Mine, Majestic, AL	--	22
94.	1920 – Mar 28, Tornadoes , Calhoun, Chambers, Elmore, Tallapoosa Counties	--	27
95.	1920 – Apr 20, Tornadoes , AL	--	92
96.	1920 – Nov 23, Mine Explosion , Parrish Coal Mine, Parrish, AL	--	12
97.	1921 – Apr 16, Tornadoes , AL	--	15
98.	1922 – May 25, Mine Explosion , Acmar No. 3 Coal Mine, Acmar, AL	--	11
99.	1922 – Nov 22, Mine Explosion , Coal Mine No. 3, Dolomite, AL	--	90
100.	1924 – Apr 30, Tornadoes , AL	--	13
101.	1924 – May 26-27, Tornadoes , AL	--	24
102.	1925 – Oct 25, Tornado , Pike-Bullock-Barbour-Crenshaw Counties, AL	--	18
103.	1925 – Dec 10, Mine Explosion , Overton No. 2 Coal Mine, Irondale, AL	--	53
104.	1926 – Jan 29, Mine Explosion , Mossboro No. 1 Coal Mine, Helena, AL	--	27
105.	1929 – May 27, Mine Explosion , Connellsville Coal Mine, Yolande, AL	--	10
106.	1931 – Summer, Excessive Heat deaths (AL subset of 2,768 excessive heat deaths)	--	14
107.	1932 – Jan 12, Tornadoes , Hale, Tuscaloosa, Marengo, Perry Counties, AL	--	10
108.	1932 – Mar 21, Tornadoes , AL	--	286
109.	1933 – May 5, Tornadoes , Brent/SE Centreville/Helena & Choctaw/Sumter, AL	--	25
110.	1936 – Jan 31, Highway Accident & Fire, Prison Transport Van , Scottsboro, AL	--	20
111.	1937 -- Jan 5-Feb 15 (generally), Flooding , OH and MS River Valley areas	--	10
112.	1937 -- Sep 24-Oct 17, Elixir Sulfanilamide medicine (diethylene glycol) poisonings-9-11	--	11
113.	1937 – Oct 15, Mine Explosion , Mulga Coal Mine, Mulga, AL	--	34
114.	1938 – Apr 7, Tornado , Near Aliceville, Pickens County, AL	--	11
115.	1939 – Malaria (AL subset of 1,761 malaria deaths nationwide) ¹⁰	--	198
116.	1939 – Whooping Cough (AL subset of 3,026 whooping cough deaths nationwide) ¹¹	--	166
117.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	15
118.	1940 – Malaria (AL subset of 1,442 U.S. malaria deaths) ¹²	--	204

⁹ In terms of largest loss of life by State, AL was 6th behind TX/1057, PA/924, OH/771, LA/691, and MS/599.

¹⁰ In terms of large loss of life by State, AL was 5th in 1939 behind GA/305, sc/252, ms/232, and FL with 223.

¹¹ In terms of large loss of life by State to whooping cough, AL was 3rd behind TX with 233 and NC at 229 deaths.

¹² AL led the nation in number of deaths due to malaria. 2nd was TX with 177, followed by AR at 176, & MS/174.

Alabama (continued)

119.	1941 – July 10, Mine Explosion , Acmar No. 6 Coal Mine, Acmar, AL	--	11
120.	1941 – Oct 26, Greyhound Bus Hits Concrete Railing , Burns, Clanton, AL	--	17
121.	1942 – Dec 05, USAAF C-47 Approach Crash , ~Maxwell Field, Montgomery, AL	--	12
122.	1943 – Jan 26, Plane Crash, U.S. Army AF Douglas B-23 Dragon , Flomaton, AL	--	10
123.	1943 – May 11, Mine Explosion , Praco No. 10 Coal Mine, Praco, AL	--	12
124.	1943 – Aug 28, Mine Explosion , Sayreton No. 2 Coal Mine, Sayreton, AL	--	28
125.	1944 – Measles , especially Jan-June (AL subset of 1,923 measles deaths nationwide) ¹³ --	86	
126.	1945 – Jan 17, Plane Fire & Crash , USAAF B-17F, near Bay Minette, AL	--	11
127.	1945 – May 07, Fire, Victory House (war workers lodging) , Mobile, AL	--	12
128.	1945 – Sep 7, Plane Fire/Crash, USAAF B-29 , 4½ miles south, Wedowee, AL	--	10
129.	1948 – July 30, Mine Explosion , Edgewater Coal Mine, Birmingham, AL	--	11
130.	1949 – Nov 24, Tornadoes , AL	--	15
131.	1950 – Nov 24-27, “ Storm of the Century ,” subset for AL	--	13
132.	1951 – Nov 25, New York and New Orleans Trains Collide near Woodstock, AL	--	17
133.	1952 – Apr 4, Planes Collide, USAF Globemaster & C-47 Skytrain , Mobile, AL	--	15
134.	1953 – Feb 14, Plane Crash/Storm, National 470 , Gulf of Mex.~ Mobile, AL	--	46
135.	1953 – Apr 18, Tornado , Shelby and Lee-Russell, AL	--	14
136.	1956 – Apr 15, Tornado , F4, Jefferson County, AL	--	25
137.	1964 – Jan 24, Tornado , Harpersville, Shelby County, AL	--	10
138.	1967 – Feb 07, Fire, Dale’s Penthouse Restaurant , Montgomery, AL	--	25
139.	1974 – Apr 03, Tornadoes , multiple counties, esp. Lawrence, Limestone, Marion	--77-	86
140.	1977 – Apr 04, Tornado , F5, Jefferson County, AL	--	22
141.	1979 – Sep 12-13, Hurricane Frederic (also MS, LA, FL, TN, PA)	--12-	13
142.	1980 -- Summer Heat Wave , especially Jefferson County (22) and Mobile (21)	--	125
143.	1981 -- Summer (especially), Heat (ICD-9 E900 excessive natural heat)	--	13
144.	1982 -- Jan 10-18, Extreme Cold Wave , freezing rain, ice and snow storms	--20-	21
145.	1983 -- July-August, Heat	--	20
146.	1984 – July 07, Thunderstorm Wind , Madison County, AL	--	11
147.	1984 – July 7, Microburst, Sternwheel SCItanic capsizes, TN Riv., Ditto’s Landing, AL	--11	
148.	1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of	227--	22
149.	1986 -- Summer Heat , AL (subset of >400 U.S. heat-related fatalities)	--	16
150.	1987 -- Summer Heat , AL	--	10
151.	1989 – Nov 15, Tornado , F4, Madison County, AL	--	21
152.	1991 – July 10, Plane Crash , L’Express Airlines Flight 508, near Birmingham, AL	--	13
153.	1993 – Mar 12-13 Eastern Seaboard “ Superstorm of 1993 ,” subset for AL	--	16
154.	1993 – Sep 22, Fog, Barge hits bridge, Amtrak train derails into water/fire ~Mobile	AL-47	
155.	1994 – Mar 27, Tornado , St. Clair, Calhoun, Cherokee Counties, AL	--	22
156.	1995 – Summer, Heat , AL	--	19
157.	1995 – Oct 04, Hurricane Opal , multiple counties (deaths in seven)	--	12
158.	1998 – Apr 08, Tornadoes , Oak Grove, Moody, Birmingham-Area, AL	--	34
159.	1999 – Summer, especially late July-early Aug, Heat	--	11
160.	2000 – Dec 16, Tornadoes , Geneva (1 fatality) and Tuscaloosa (11 deaths), AL	--	12
161.	2001 – Sep 23, Mine Gas Explosion , Jim Walter Resources No. 5 Coal Mine, Brookwood, AL	--13	

¹³ In terms of total loss of life to measles by State, AL was 6th behind TX/181, OH/139, CA/101, PA/95, GA/88.

162.	2002 – Nov 10, Tornado Outbreak, Cherokee, Walker and esp. Winston Counties	--	12
163.	2007 – Mar 01, Tornado Outbreak (Prairie, Enterprise), AL	--	10
164.	2007 – Aug 8-23, Heat , 12 Counties reporting deaths, AL	--	14
165.	2009 -- 2010 (early), New H1N1 “Swine Flu” Influenza Pandemic (U.S. & world)	--20-36	
166.	2009 – March 10, Violence, McLendon Shooting Spree , Geneva County, AL	--	10
167.	2011 – Apr 27, Tornadoes , esp. Tuscaloosa, Dekalb, Marion, Jefferson counties	--249-252	

Alabama Select Other Loss of Life Events:¹⁴

1848 – Scarlet Fever Outbreak, Mobile, AL	--	75
1849 – Scarlet Fever Outbreak, Mobile, AL	--	50
1860 – Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	423
1860 – Measles (AL subset of 3,900 measles deaths nationwide)	--	62
1860 – Scarlet Fever (AL subset of 26,402 deaths in 38 Census States & DC)	--	251
1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ¹⁵	--	596
1860 – Whooping Cough (AL subset of 8,408 whooping cough deaths nationwide)	--	334
1870 – Croup (AL subset of 10,692 deaths nationwide)	--	258
1870 – Tuberculosis (Consumption) (AL subset of ~70,000 TB deaths nationwide)	--	764
1870 – Typhoid Fever (AL subset of 22,187 typhoid fever deaths nationwide)	--	409
1870 – Whooping Cough (AL subset of 9,008 whooping cough deaths nationwide)	--	133
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	510
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	241
1879 – June-May 1880, Measles (AL subset of 8,254 measles deaths nationwide)	--	342
1879 – June-May 1880, Meningitis (AL subset of 7,481 meningitis deaths nationwide)	--	149
1879 – June-May 1880, Scarlet Fever , esp. children (AL subset, 16,388 S.F. deaths)	--	15
1879 – June-May 1880, Tuberculosis (AL subset of 91,270 TB deaths nationwide)	--	1,694
1879 – June-May 1880, Typhoid Fever (AL subset of 23,339 U.S. Typhoid deaths)	--	776
1879 – June-May 1880, Whooping Cough (AL subset, 11,064 U.S. W.C. deaths)	--	546
1881 – Typhoid Fever , Birmingham, AL	--	49
1890 – Jan-Feb, Influenza (La Grippe/Russian Flu), Mobile, AL	--	21
1890 – Typhoid Fever (AL subset of ~30,000 typhoid deaths nationwide)	--	976
1898 – Typhoid Fever , especially Anniston and Huntsville, AL ¹⁶ (3,064 nationwide)	--	30
1900 – Tuberculosis (AL subset of 109,750 tuberculosis deaths nationwide) ¹⁷	--	2,666
1906 – Sep 27, Hurricane , especially Fort Morgan, Mobile and Gulf Coast	--	7
1916 – Diphtheria , especially children	--	188
1916 – Polio Epidemic, especially children, Statewide, AL	--	51
1920 – Diphtheria and Croup (AL subset of 13,395 such deaths in 34 registration states)--	--	15
1920 – Jan-Mar, Influenza Epidemic , Birmingham, AL	--	384
1920 – Typhoid Fever (AL subset of 6,805 typhoid fever deaths in 34 registration states) ¹⁸ --	--	41

¹⁴ We include two categories of events herein throughout this document: (1) events wherein fewer than 10 lives were lost, but of which we take note, and (2) diseases that caused more than ten lives lost, but not clear to us that an epidemic level was reached (a subjective judgement on our part) as well as those diseases for which we have seen information that appear to more endemic to the times than epidemic -- such as tuberculosis.

¹⁵ Was the fourth leading reported cause of death in the State in 1860.

¹⁶ This number is for servicemen dying in AL, mostly Aug-Oct. Eighteen 1st and 2nd Alabama Volunteer Infantry Regiment members died of typhoid this year, in various locations in the U.S.

¹⁷ Leading cause of death in the State in 1900.

Alabama (select other continued)

1920 – Whooping Cough (Birmingham, 29; Mobile, 2; and Montgomery, 10)	--	41
1927 – Polio (acute) esp. late Summer and Fall (AL subset, 2,013 U.S. polio deaths)	--	29
1931 – “Epidemic Cerebrospinal Meningitis ,” ¹⁹ (AL subset, 2,832 US meningitis deaths)--		92
1931 – Diphtheria , especially children (AL subset, 5,738 U.S. diphtheria deaths)	--	203
1931 – Influenza (AL subset of 31,701 influenza deaths nationwide)	--	1,054
1931 – Malaria (AL subset, 2,536 malaria deaths nationwide)	--	213
1931 – Measles (1L subset, 3,576 measles deaths nationwide)	--	172
1931 – Polio , esp. July-Oct, (AL subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	25
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (AL subset of 1,997 U.S. diphtheria deaths)	--	77
1939 – Influenza and Pneumonia (AL subset, 99,097 U.S. influenza/pneumonia deaths)	--	2,895
1939 – Tuberculosis (AL subset of 61,609 tuberculosis deaths nationwide)	--	1,436
1940 – Influenza and Pneumonia (AL subset of 92,525 U.S. flu and pneumonia deaths)	--	2,654
1940 – Polio (AL subset of 1,026 polio deaths nationwide)	--	16
1940 – Tuberculosis (AL subset of 55,576 tuberculosis deaths nationwide)	--	1,383
1940 – Whooping Cough (AL subset of 2,926 whooping cough deaths nationwide)	--	120
1941 – Measles , especially children (AL subset of 2,279 U.S. Measles deaths)	--	114
1944 – Cerebrospinal Meningitis (AL subset 2,812 U.S. cerebrospinal meningitis deaths)--		78
1944 – Influenza (AL subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	616
1944 – Tuberculosis (AL subset of 54,731 tuberculosis deaths nationwide)	--	1,269
1944 – Whooping Cough (AL subset of 1,878 whooping cough deaths nationwide)	--	87
1950 – Measles , especially children (AL subset of 468 measles deaths nationwide)	--	12
1951 – Polio Outbreak , especially children, AL	--	40-41
1951 – Jan 27-Feb 4, Cold Waves, Winter Storms, ice, sleet, snow , AL ²⁰	--	9
1953 – Polio (State subset of 1,450 polio deaths nationwide)	--	25
1954 – Apr 10, Explosion , kerosene put in home stove, fire , Columbia, AL ²¹	--	7
1954 – Dec 29, Plane rear-door fails/crash, USAF C119, Shin Point ~New Hope , AL	--	9
1960 – Measles , especially children (AL subset of 380 measles deaths nationwide)	--	15
1963 – Sep 15, Racial violence, 16th Street Baptist Church Bombing , Birmingham, AL--		4
1985 -- Jan 19-23, Cold wave and exposure/hypothermia deaths	--	5-7
1988 – Summer, Heat, Conecuh, Geneva, Jefferson, Mobile, Pike, Shelby, Sumter Counties --		7
1989 – Dec 16-25, Cold wave and exposure/hypothermia deaths	--	5
1995 – Apr 17, Plane Crash, USAAF C-21 Learjet , near Alexander City Airport, AL	--	8
1998 – Jan 29, Violence, Abortion Clinic Bombing , (Eric Rudolph), Birmingham, AL	--	1
1998 – June-Aug, Heat , AL	--	7
2000 – June-Aug esp., Heat , AL (subset of 301 heat-related deaths nationwide)	--	8
2001 – Mar 04, Lightning starts House Fire , Montgomery, AL	--	5
2002 – Summer, Heat , AL	--	6
2008 – Feb 5, Tornadoes , Jackson (1 death) and Lawrence County (4 deaths), AL	--	5
2011 – April 15, Tornadoes , Autauga, Marengo and Washington Counties	--	7

¹⁸ AL was not a registration state providing death certificates to Census Bureau. Three cities, however, did: Birmingham with 27, Mobile with 13 and Montgomery with 1.

¹⁹ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

²⁰ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

²¹ Cross-listed in Explosions and Fire-Structural.

2012 – May-Aug, Heat , especially hyperthermia and prolonged exposure to heat, AL	--	8
2014 -- Jan 28-29, Winter Storm, snow and ice , deaths mostly traffic accidents	--	9

+Breakout of Alabama Large Loss-of-Life Events (10 or more fatalities) by Type:

- 42 – **Tornadoes.** (Plus two – one with 7 fatalities (2011) and one with 5 (2008) in “Other.”)
- 34 – **Disease, select communicable, especially epidemics.** (Plus 50 in “Other.”)
- 28 – **Mining.**
- 16 – **Maritime and Inland craft** (includes 1 cross-list in Disease and one cross listed in Rail.)
- 11 – **Heat.** (Plus five – 8 deaths each in 2000, and 2012, 7 in 1988 and 1998 and 6 in 2002.)
- 10 – **Violence.**
- 7 – **Aviation.** (Plus two – one with 9 deaths and one with 8 in “Other.”)
- 5 – **Rail.**
- 4 – **Hurricanes.** (Plus one with 7 fatalities in “Other.”)
- 3 – **Fire-structural.** (Plus two – one with 7 and one with 5 deaths in “Other.”)
- 3 – **Winter Storms.** Plus 4: 1985 with 5-7, 1951 and 2014 with 9 deaths, Dec 1989 with 5.
- 2 – **Flooding.**
- 2 – **Vehicular/Road/Highway.**
- 1 – **Explosions.**²² (Plus one with 7 deaths.)
- 1 – **Fog as a contributing Factor.** (Cross-listed in Maritime and in Rail.)
- 1 – **Poisoning (accidental)**
- 1 – **Wind Storms/Severe Thunderstorms**
- 0 – **Lightning** (But one fire started by lightning striking a home in 2001 killing 5.)

²² Mining explosions are counted in Mining Disasters.

AK

Alaska

1.	1745 – Russian traders massacre Unangan (Aleut) Women and Children, Attu, AK	--	15
2.	1763 – Unangan/Eastern Aleut conflict with Russians, Unalaska/Umnak/Unimak Isl., AK	>375	
3.	1784 – Russian fur traders massacre Sugpiaq Natives, Kodiak Island, AK	--	>200
4.	1799 – Sixty Native Alaskan Bidarka's lost in storm, Hinchinbrook entrance, AK	--	200
5.	1799 -- July, Paralytic Shellfish Poisoning , ²³ Aleuts, Russians, Peril Strait, AK	--	~100
6.	1802 -- June, Tlingits attack Russians/Aleut workers, Fort Archangel St. Michael, AK	--	<150
7.	1835 -- Nov-Spring 1838, Smallpox , Sitka, Gulf of AK, Kodiak, Aleutian Isl. natives, AK	--	13,105
8.	1886 – Nov, Kodiak Schooner <i>Flying Scud</i> lost near Karluk, AK	--	16-24
9.	1888 – May 21, Fishing Schooner <i>Isabel</i> springs a leak, founders, Coast of Alaska	--	14
10.	1888 – Oct 03, Whaling Bark <i>Ohio</i> driven ashore near Point Hope, Chukchi Sea, AK	--	25
11.	1894 – May 11, Amer. Whaling Bark <i>James Allen</i> hits rock/sinks, Amlia Isl., AK	--	24-- 25
12.	1897 – Aug 12, Whaler <i>Navarch</i> caught in ice, abandoned off Blossom Shoals, AK	--	13-16
13.	1898 – Feb 5, Storm, Steamer <i>Clara Nevada</i> Grounds off Eldred Rock, AK	--	33
14.	1898 – April 3, Palm Sunday Avalanche Outbreak, Chilkoot Trail, Skagway, AK	--	73
15.	1898 – Jun 28, Storm, Steamer <i>Jessie V.</i> swamped, Kuskokwim River mouth, AK	--	18
16.	1900 – Jun-Dec, Measles and Flu Epidemics, Native Alaskans, esp. western AK	--	2000-2500
17.	1900 – Aug 2-3, Storm, Steamers <i>Merwin, Resolute and Dollar</i> “Wreck,” AK	--	15
18.	1900 – Aug 7, Storm, Maritime Disaster , Nome and vicinity, AK	--	38
19.	1900 -- Sep 12-13, Southeaster gale , off-shore Natives in boats, inshore, Nome , AK	--	25>100
20.	1901 – Aug 14, Steamer <i>Islander</i> hits Iceberg, off Douglas Island, near Juneau, AK	--	42-70
21.	1903 -- Nov 1, Storm, Steamer <i>Discovery</i> founders (all lost), off SE AK Coast	--	26+-40
22.	1905 – Mar 10, San Francisco Fishing Schr. <i>Pearl</i> Wreck Found, Unga Island, AK	--	30-36
23.	1908 – Jan 08, Schooner <i>John F. Miller</i> Grounds, Nelson Lagoon, AK	--	10
24.	1908 – Sep 20, Ship <i>Star of Bengal</i> Grounds, Coronation Island, AK	--	112
25.	1910 – Mar 02, Mine Powder Explosion , Alaska-Mexico Gold Mine, Treadwell, AK	--	37
26.	1911 – Sep 28, Shakespeare Placer Gold Mine Shaft Cave-in , Dome Creek, AK	--	14
27.	1913 – Aug 17, Steamer <i>State of California</i> hits rock, Gambier Bay, Admiralty Is. AK	--	31-32
28.	1918 – Oct 25, <i>Princess Sophia</i> (Can.) Strands, Vanderbilt Reef ~Juneau AK	--	26 -333-360
29.	1918 – Late Fall-Early Spring, 1919, Influenza, Starvation, Freezing, Natives	--	>1,500
30.	1932 – Sep 27, Steamer <i>Nevada</i> hits rock off Aleutian Island Amatignak, AK	--	34
31.	1933 – Jan 24, Storm, Diesel <i>Umnak</i> Native strands, Inanudak Bay, Umnak Isl., AK	--	11
32.	1936 -- Nov 22, Landslides (2) , Mount Roberts debris into apt. bldgs. Juneau, AK	--	27 -- 15
33.	1937 – Oct 26, Evan-Jones Coal Mine Explosion and Fire , Jonesville, Alaska	--	14

²³ “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 (PSP) warning issued for Southeast Alaska.” 6-24-2010.)

²⁴ Cross-listed in California – a San Francisco boat.

²⁵ This was a hurricane-like southeaster gale that produced a storm surge into Nome, and high waves which destroyed buildings along the waterfront. While we have seen reference to 18-19 specific deaths at Nome, mostly drowning, we are primarily noting as Maritime in that over 100 Natives were reported to have drowned trying to cross from Kings Island to the mainland in umiaks.

²⁶ Listed herein in that more than ten U.S. citizens died, as well as because the disaster was in U.S. territory.

²⁷ Fourteen at the time and one from injuries about one week later.

Alaska (continued)

34.	1943 – Jan 12, USN Destroyer <i>Worden</i> hits rock/sinks, off Amchitka Island, AK	--	14
35.	1943 – July 02, Plane Crash, Navy VF-5, Table Top Mt. ~NAS Dutch Harbor, AK	--10-11	
36.	1943 – Nov 24/25, <i>John P. Gaines</i> breaks-up in storm, 40M S of Cherikoff Isl, AK	--10-11	
37.	1944 – Sep 18, Plane Crash, USAAF Douglas C-47, Denali State Park, ~Talkeetna, AK	--19	
38.	1944 – Apr 19, U.S. Liberty Ship <i>John Straub</i> Explodes/Sinks off Sanak Island, AK	--	55
39.	1945 – Nov 30, Plane lost, USN PV4Y-2, NAS Kodiak, AK to NAS Seattle, WA ²⁸	--	25
40.	1946 – Feb 04, AK Steamship <i>Yukon</i> hits rocks off Johnstone Bay, SE of Seward, AK	--	11
41.	1947 – Aug 6, Plane lost, US Navy PBY-5A disappears, Kodiak to Dutch Harbor, AK	--	20
42.	1947 – Oct 26, Plane Crash, Pan Am Air, Tamgas Mt., Annette Island, AK	--	18
43.	1947 – Nov 27, Plane Crash, Columbia Air Cargo C-47, Yakutat, AK	--	13
44.	1948 – Mar 12, Plane Crash, Northwest Orient Air #4422, Mt. Sanford, AK	--	30
45.	1948 – Nov 03, Plane Crash, US Navy PB4Y-2, 10M off Port Moller, Kodiak AK	--	12
46.	1948 – Nov 4, Plane Lost, Pacific Alaska Air Express, Near Cape Spencer, AK	--	17
47.	1948 – Dec 22, Plane Crash, USAF B-50, near Fairbanks, AK	--	10
48.	1951 – July 21, Plane crash, US Military Charter, Canadian Pacific Air, ~Sitka, AK	--	37
49.	1951 – Aug 12, Plane Crash, USAF Consolidated Privateer, Amak Island, AK	--	12
50.	1951 – Aug 31, Plane Crash, USAF Consolidated Privateer, Little Tanaga Island, AK	--	10
51.	1952 – Nov 07, Plane Crash, USAF "Flying Boxcar" near Mt. McKinley, AK	--	19
52.	1952 – Nov 15, Plane Crash, USAF "Flying Boxcar," near Anchorage, AK	--	20
53.	1952 – Nov 22, Plane Crash, USAF C-124 A Globemaster II, Mount Gannett, AK	--	52
54.	1953 – July 2, Plane Crash, USAF Martin Mariner, Adak, AK	--	12
55.	1954 – Feb 05, Plane Crash, USAF C-47, Susitna Valley, AK	--	10
56.	1955 – Jan 01, Plane Crash, USAF Douglas C47, ~Skwentna Airport, Anchorage AK	--	12
57.	1955 – Feb 17, Plane Crash, USAF P-2 Neptune, Elmendorf AFB, AK	--	11
58.	1955 – June 29, Plane Crash, USAF C-47 Transport, Sitkinak Island, AK	--	10
59.	1955 – Nov 29, Plane Crash into Base Housing, USAF F-84, Eielson AFB, AK	--	14
60.	1956 – Aug 29, Plane Crash, Canadian Pacific Airlines 307, Cold Bay AP, AK	--	15
61.	1956 – Aug 31 Plane Crash, Eielson AFB AK WB-50, 50 miles north of Anchorage	--	11
62.	1957 – Jan 17, Plane Crash on takeoff, USAF Weather B-50, near Eielson AFB, AK	--	12
63.	1958 – Sep 09, Plane Crash, USAF Douglas C47, Elmendorf AFB, Anchorage, AK	--	13
64.	1958 -- Dec 22, USAF C-54 transport from Elmendorf AFB crashes, Mt. Iliamna, AK	--	15
65.	1959 – Sep 24, Plane Crash, Reeve Aleutian Air #3 Great Sitkin Islnd., AK	--	16
66.	1960 – June 14, Plane Crash, Pacific Northern Airlines, Mount Gilbert, AK	--	14
67.	1962 – Sep 22, Plane Crash, USN Martin Marlin P5M, Montague Island, Gulf of AK	--	10
68.	1963 – Jun 03, Plane Crash, Northwest Air 293, North Pacific, off Annette Island., AK	--	101
69.	1964 – March 28, Earthquake, Anchorage, AK	--	15
70.	1964 – March 28, Tsunamis, Gulf of Alaska, AK	--	106
71.	1964 – Nov 27, Plane Crash, USN Lockheed P-2V Neptune, Cape Newenham, AK	--	12
72.	1966 – Sep 12, Arson Fire, Lane Hotel, Anchorage, AK	--	14
73.	1967 – Dec 14, Plane Crash, USAF Lockheed P-2 Neptune, Juneau, AK	--	14
74.	1968 – Dec 2, Plane Breakup/Crash, Wien Consolidated Air 55, Spotsy Lake, AK	--	39
75.	1969 – June 5, Plane Crash, USAF Recon., Bering Sea off Shemya, AK	--	19
76.	1970 – Nov 27, Plane Crash, Capitol Air Douglas DC-8, Anchorage, AK	--	47

²⁸ Plane was not found. Listed here in that the plane was based in Alaska.

77.	1971 – Sep 4, Plane Crash, Alaska Airlines Boeing 727 , Mt. Fair, AK	--	109
78.	1973 – Dec 11, Plane Crash, US Navy R6D-1 , Great Sitkin Island, AK	--	10
79.	1975 – Aug 30, Plane Crash, Wien Air Alaska , Fairchild F27, Gambell, AK	--	10
80.	1977 – Sep 6, Plane Crash, Alaska Aeronautical Industries , Iliamna, AK	--	13
81.	1978 – Aug 25, Plane Crash, Webber Air Grumman Goose , Summer Strait, AK	--	12
82.	1983 -- Feb 14, Crab boats Altair & Americus capsize , Altair sinks, Bering Sea ~AK	--	14
83.	1987 -- Nov 23, Ryan Air Flight 103 , Beechcraft 1900C, approach crash, Homer, AK--	18	
84.	1995 – Sep 22, Plane Crash, USAF AWACS Sentry , Bird Strike, Elmendorf AFB, AK--	24	
85.	2009 -- H1N1 Swine Flu pandemic (subset of ~12,469 U.S. deaths)	--	10-13
86.	2001 – Oct 10, PenAir flight 350 crash after takeoff (wing icing), Dillingham, AK	--	10
87.	2013 – July 07, Rediske Air-Taxi Crash , de Havilland DHC3 Otter, Soldotna, AK	--	10

Alaska Select Other:

1900 – Aug 11, Lituya Bay Tsunami , AK	--	5
1942 – Apr 29, Plane Crash, USAAF B-18A , Sharatin Mountain, near Kodiak, AK	--	7
1957 -- Jan 18, Evan Jones Coal Mine explosion , Jonesville, AK	--	5
1958 – July 10, Tsunami , Southeastern AK	--	5
1959 – Apr 28, Fire, coal-burning stove explosion , Nayakik residence, Point Barrow, AK--	8	
1999 – March 21, Avalanche , Snowmobilers buried, Turnagain Pass, Kenai Mts., AK	--	6
2001 – March 21, Avalanche , Snowmobilers, Turnagain Pass, AK	--	6
2015 – June 25, Plane Crash, Cruise Ship Passengers , ~25M from Ketchikan, SE AK	--	9

Breakout of **Alaska** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 45 -- **Aviation**. (Plus **two** – one with 9 and one with 7 deaths in “Other.”)
- 25 -- **Maritime and Inland watercraft**.
- 5 -- **Violence**.
- 4 -- **Disease**, select communicable, especially epidemics.
- 3 -- **Mining**
- 1 -- **Avalanche**. (Plus **two** with 6 fatalities each in 1999 and 2001 in “Other.”)
- 1 -- **Earthquake**.
- 1 -- **Fire, Structural**. (Plus **one** with 8 deaths in “Other.”)
- 1 -- **Landslide**.
- 1 -- **Paralytic Shellfish Poisoning**.
- 1 -- **Tsunami**. (Plus **two** -- one with 5 deaths in 1900 and another with 5 deaths in 1958.)

AZ

Arizona

1.	1870 – Smallpox (State subset of 4,597 smallpox deaths nationwide)	--	95
2.	1871 – Apr 30, Massacre of Apaches , Camp Grant Arivaipa, Arizona Territory	--125-150	
3.	1890 – Feb 22, Dam Failure and Flood , Walnut Grove, Hassayampa River, AZ	--	100
4.	1891 – Feb 18-26, Heavy Rain, Flooding , Central Highlands, esp. Clifton, AZ	--	18
5.	1898 – Smallpox Epidemic, Moqui Indian Tribe, AZ	--	220
6.	1903 – Jan 28, Trains Collide /burn on Southern Pacific, Esmond, near Tucson, AZ	--	≥14
7.	1903 -- June 9, downpour, Chase Creek/San Francisco River flash flood , Clifton, AZ ²⁹ --	7-13	
8.	1906 – Dec 04, Heavy Rain Detroit Dam Fails , Flooding , Clifton, AZ	--13-18	
9.	1912 – Smallpox , southeast AZ	--	15
10.	1918 – Fall, Influenza , esp. Flagstaff, Winslow, Jerome, Fort Whipple, Seligman, AZ--	2,252	
11.	1926 – July 18-22, Heat Wave , especially Yuma vicinity (subset of 160-175 US deaths)--	11	
12.	1931 – “Epidemic Cerebrospinal Meningitis ,” ³⁰ (AZ subset, 2,832 US meningitis deaths)	58	
13.	1931 – Measles , especially children (State subset, 3,576 measles deaths nationwide)	--	140
14.	1931 – July 24-30 especially, Heat Wave /excessive heat deaths, Salt River Valley, AZ--	57	
15.	1938 – Aug 1-2, Heat Wave , especially Phoenix, AZ	--	10
16.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	15
17.	1941 – Measles , especially children (AZ subset of 2,279 Measles deaths nationwide)	--	95
18.	1942 – Sep 11, Plane Crash , U.S. Army Air Force B-24, Mt. Baldy, AZ	--	10
19.	1943 – Jan 18, Plane Crash , U.S. Army Air Force B-24, Bassett Peak, AZ	--	11
20.	1943 – Jan 31, Plane Crash , US Army AF Consolidated Liberator, Tucson, AZ	--	11
21.	1943 – Apr 12, Plane Crash , USAAF, near Davis-Monthan Field, Tucson, AZ	--	10
22.	1944 – Measles , especially Jan-June (State subset of 1,923 measles deaths nationwide)--	39	
23.	1944 – Jan 06, Army Air Force Bus and Train Collide, Kingman Army Air Field, AZ--	28	
24.	1944 – Feb 18, Planes Collide , USAAF B-24's, near Williams Field, AZ	--	17
25.	1944 – Mar 18, Plane Crash , USAAF B-24H, near Davis-Monthan Field, Tucson, AZ--	10	
26.	1944 – Apr 25, USAAF B-24's Collide, near Yuma Army Air Field, AZ	--	12
27.	1944 – Apr 28, Navy R4D Transport Plane Crashes , Anderson Mesa, northern AZ	--	19
28.	1944 – Nov 3, USAAF Planes Collide , near Kingman Army Air Field, AZ	--	15
29.	1944 – Nov 30, USAAF B-24's Collide, ~Davis-Monthan AAF, Tucson AZ	--	18
30.	1944 – Dec 25, USAAF C-47B Plane Crash , Black Mesa Mt., Quartzsite, AZ	--	17
31.	1947 – Dec 16, USAF B-29 Crash after Davis-Monthan takeoff , near Tucson, AZ	--	12
32.	1949 – Nov 10, Cotton Pickers Truck/Semi Collide , U.S. Hwy. 80 near Gila Bend, AZ--	10	
33.	1950 – Nov 16, USAF KB29 Tanker and B-50 Collide/Crash ~Sil Nakya village, AZ--	13	
34.	1951 – Dec 30, USAF Douglas C-47 Transport Crash , Mt. 35 mi N of Globe, AZ	--	28
35.	1952 – Oct 29, Plane Crash , USAF Stratofreighter, Gray Mountain, AZ	--	16
36.	1956 – Jun 30, Planes Collide , TWA Flight 2 & United Flight 718, Grand Canyon, AZ--	128	
37.	1956 – Dec 16, Car, inebriated driver, hits train at Crossing, SW Phoenix, AZ	--	12
38.	1957 – Oct 29, Plane Crash , USAF Stratofreighter, north of Flagstaff, AZ	--	16
39.	1959 – June 08, Farm Labor Truck/Bus Crash , Fuel Explos./Fire, near Phoenix, AZ--	17	
40.	1964 – May 11, Train hits station wagon with 8 children at crossing, near Mesa, AZ--	10	
41.	1970 – Dec 20, Pioneer International Hotel Arson Fire , Tucson, AZ	--	28

²⁹ 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.

³⁰ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Arizona (continued)

42. 1971 – May 06, Plane Crash, Apache Airlines Carstedt Jetliner, Coolidge, AZ	--	12
43. 1971 – Sep 16, Plane Crash, Scenic Air Cessna 402 (sightseeing), Peach Springs, AZ	--	10
44. 1973 – July 05, PG Railcar Fire/Explosion , Doxel Gas Co., Kingman, AZ	--	13
45. 1975 – July 3, Car/Truck-Camper Headon Collision , Rt 98 Navajo Reservation, no. AZ	10	
46. 1977 – 1977, Mar 27, KLM/Pan Am Collide , fog, Tenerife AP, Canary Isl., AZ victims--	11	
47. 1979 -- Summer (esp.) Heat (ICD-9, E900 excessive heat code), esp. Maricopa Co.	--	15
48. 1980 -- Summer (esp.) Heat , esp. Maricopa Co. (14) and Yuma County (9), AZ	--	30
49. 1980 -- July 5-6, smugglers abandon immigrants, dehydration , Organ Pipe Cactus Nat. Mon., AZ ³¹ --	13	
50. 1981 -- Summer (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	17
51. 1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196	--	15
52. 1983 -- July-Aug, Heat , especially Maricopa/10 and Yuma/6 Counties, AZ (597 US)	--	18
53. 1983 -- Aug 17, Las Vegas Airlines Flight 88 flies into mountain, Grand Canyon, AZ--	10	
54. 1983 -- Sep 29 to Oct 3, Storms, prolonged heavy rain and flooding , AZ ³²	--	15
55. 1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228	--	16
56. 1985 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 227--	21	
57. 1986 – Jun 18, Grand Canyon Air & Helitech Helicopter Collide , Grand Canyon, AZ--	25	
58. 1987 -- Summer Heat , especially Maricopa County (5) and Yuma County (2), AZ	--	11
59. 1988 – Summer (especially), Heat , especially Maricopa (17) and Pinal (4) counties	--	22
60. 1988 – Oct 25, Helicopters Crash , USMC CH-46/UH-1N, Goldwater Gun. Range, AZ--	10	
61. 1989 – Mar 12, 'Copter Crash, USAF CH-3C , 20 mls NW of Tucson, ~Marana, AZ	--	15
62. 1989 -- June-Aug (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia	--	15
63. 1989 – Sep 27, Grand Canyon Airlines Flight 5 (sightseeing) Crash, Tusayan, AZ	--	10
64. 1990 -- Summer esp. Heat , ICD-9 E900 code for excessive heat and hyperthermia	--	30
65. 1991 -- Summer esp. Heat , ICD-9 E900 code for excessive heat and hyperthermia	--	10
66. 1992 – June 19, Adventure Air Crash , Grand Canyon sightseeing, ~Meadview, AZ	--	10
67. 1992 – July-Aug esp. (1 death in April), Heat , esp. Maricopa, Yuma, Pima counties, AZ--	10	
68. 1993 – June-Aug (1 death in May), Heat , esp. Maricopa (9) and Pima (5) counties, AZ--	19	
69. 1994 – May-Sep (esp. June-July), Heat , esp. Maricopa (14) and Pima (11) counties ³³	--	47
70. 1995 – Apr 09, Dust Storm-Related Vehicle Accidents , Bowie, AZ	--	10
71. 1995 – May-Oct, esp. July {24} Aug {19}, Heat , esp. Maricopa (17) Pima (12) counties--	51	
72. 1996 – June-Aug (esp.), Heat , especially Maricopa County (18)	--	54
73. 1997 – Aug 12, Flash Flood, Antelope Canyon , near Page, AZ	--	11
74. 1997 – May-Sep, Heat , esp. Maricopa (11), Pima 4), Yuma (3) and Cochise (2) counties--	23	
75. 1998 – June-Sep (esp. July-Aug), Heat , esp. Maricopa (37), Pima (11) Yuma (11) counties	-74	
76. 1999 – March, May-Oct, Dec (esp. June-Aug), Heat , esp. Maricopa and Yuma Counties--	57	
77. 2000 – Apr 08, USMC Tilt-rotor Osprey V-22 Crash , Marana Airport ~Tucson, AZ--	19	
78. 2000 – June-Aug esp., Heat , esp. Pima (26) and Maricopa (21) Counties	--	66
79. 2001 – May ~24, Heat , Illegal immigrants abandoned by smugglers, AZ desert	--	14

³¹ Typed as 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.

³² 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.

³³ AZ had largest loss of life to heat of all States in 1994 (221 U.S. heat deaths).

80. 2001 – May-Nov, Heat , esp. Pima (37) and Maricopa (21) Counties, AZ ³⁴	--	74
81. 2002 – June-Sep esp., Heat , esp. counties of Pima (75), Maricopa (38), Yuma (8)	--	130
82. 2003 – April-Oct, Heat , esp. counties of Pima (65) Maricopa (49) and Yuma (10)	--	153
83. 2004 – Year, esp. June-Sep, Heat , esp. Pima (57), Maricopa (42) Yuma (16) counties	--	128
84. 2005 – Year, July esp., Heat , esp. Pima (116) Maricopa (75), Yuma (29) counties, AZ--		244
85. 2006 – Year, July esp., Heat , esp. Maricopa (53), Pima (50), Yuma (14) counties	--	169
86. 2006 – Aug 07, SUV with illegals flips evading Border Patrol spike strip, ~Yuma, AZ--		10
87. 2007 – June-Aug especially, Heat , especially counties of Maricopa (51) and Pima (54)--		134
88. 2008 – Heat , especially counties of Maricopa (50) and Pima (34)	--	112
89. 2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--	140-152
90. 2009 – Heat , especially counties of Maricopa (74) and Pima (48) ³⁵	--	156
91. 2009 – Jun 06, Illegal Immigrant (22) Smuggling SUV Blowout/Rolls, ~Sonoita, AZ	--	11
92. 2010 – June-Sep especially, Heat , especially Maricopa County ³⁶	--	186
93. 2011 – June-Sep especially, Heat , especially Maricopa County, AZ	--	177
94. 2012 – June-Sep especially, Heat , especially Maricopa County	--	157
95. 2013 – Heat , especially Summer, AZ	--	139
96. 2013 – June 30, Wildfire , Granite Mt. Hotshot Firefighters killed, Yarnell Hill, AZ	--	19
97. 2014 – Heat , especially Summer. AZ	--	~86
98. 2015 – Heat , especially June-August, Maricopa County (56), Lake Mead (2), AZ ³⁷	--	58
99. 2017 -- July 16, Flash Flood, Verde River, Tonto National Forest , Phoenix north, AZ--		10

Arizona Select Other Loss of Life Events:

1900 – Tuberculosis (subset, 109,750 tuberculosis deaths), out of 1,223 AZ total deaths	--	152
1927 – Polio (acute) esp. late Summer and Fall (subset, 2,013 polio deaths nationwide)	--	25
1931 – Influenza (State subset of 31,701 influenza deaths nationwide)	--	142
1936 -- Nov 19, Bates coal mine explosion , Bates, AZ	--	5
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (State subset of 1,997 U.S. diphtheria deaths)	--	18
1939 – Influenza and Pneumonia (AZ subset, 99,097 U.S. influenza/pneumonia deaths)	--	496
1939 – Tuberculosis (State subset of 61,609 tuberculosis deaths nationwide)	--	741
1939 – Whooping Cough (State subset of 3,026 whooping cough deaths nationwide)	--	45
1940 – Influenza and Pneumonia (AZ subset of 92,525 U.S. flu and pneumonia deaths)	--	612
1940 – Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--	674
1940 – Whooping Cough (State subset of 2,926 whooping cough deaths nationwide)	--	52
1942 – Apr 06 USAAF Plane Crash , Santa Catalina Mts. near Davis Monthan Field, AZ	--	5
1944 – Tuberculosis (State subset of 54,731 tuberculosis deaths nationwide)	--	784
1944 – Whooping Cough (State subset of 1,878 whooping cough deaths nationwide)	--	37
1951 – Mar 26, USAF B-29 Superfortress Crash , Davis Monthan AFB, Tucson, AZ	--	8
1951 – Polio , especially July-Nov (1,551-1,555 polio deaths nationwide)	--	20
1952 – Polio , AZ	--	18
1953 – Polio (State subset of 1,450 polio deaths nationwide)	--	21
1963 -- March 29, Natural Gas leak explosion , Supreme Cleaners, Tucson, AZ	--	7

³⁴ Does not include the

³⁵ AZ had the largest loss of life to heat than any other state in the country in 2009.

³⁶ Does not include the dozens of illegal immigrant bodies found in the desert in greater Tucson area that summer.

³⁷ Led the nation in deaths due to excessive natural heat in 2015 -- TN was next with 47 such deaths.

1985 -- Measles (subset of 5 US measles deaths)	--	1
1986 -- Summer Heat, AZ (subset of >400 U.S. heat-related fatalities)	--	8
2009 -- Jan 30, Tour Bus Crash (Loss of Control and Rollover), Dolan Springs, AZ	--	7
2009 -- Dec 22, Dust Storm, Auto Collisions, Casa Grande, south of Phoenix, AZ	--	3
2011 -- Nov 23, Ponderosa Aviation Inc. Small Plane Crash, Superstition Mts., AZ	--	6

Breakout of **Arizona** Large-Loss-of-Events (10 or more fatalities) by Type:

- 42 -- **Heat**
- 27 -- **Aviation**. (Plus one with 5, one with 6 and one with 8 fatalities in "Other.")
- 9 -- **Disease**, select communicable, especially epidemics. (Plus 19 in "Other.")
- 9 -- **Vehicular/Road/Highway**. (Plus two -- one with 7 and one with 4 fatalities in "Other.")
- 7 -- **Flood**.
- 4 -- **Rail**. (Two are cross-listed in Road/Highway/Vehicular -- RR crossing events.)
- 3 -- **Violence**.
- 2 -- **Fire, Structural**. (One cross-listed in rail and in explosions.)
- 2 -- **Structural Failures (dams)**
- 1 -- **Wildfire**.
- 0 -- **Explosions**. (But a 1963 natural gas leak explosion in Tucson, with 7 deaths.)
- 0 -- **Mining**. (But 5 lives lost in 11-19-1936 Bates coal mine explosion.)

AR

Arkansas

1. 1542 ---Mid-May, **Massacre**, de Soto's men attack Natives in Nilco province town, AR~100
2. 1811 -- Dec 16-Feb 7, 1812, **New Madrid Earthquakes**, esp. Big and Little Prairie vic. ≥20
3. 1832 – Apr 9, **Steamer Brandywine Burns**, Miss. River, Brandywine Island, AR --60-155
4. 1836 – Jun 09, **Steamboat Rob Roy Boiler Explos.**, Miss. River, near Columbia, AR --17-20
5. 1839 – Nov 18, **Wilmington Boiler Explos.**, MS Riv., ~AR Riv. and Napoleon, AR -- 6-10
6. 1838 – Nov 25, **General Brown Boiler Explosion**, Mississippi River, Helena, AR --30-60
7. 1840 – Nov 1, 7, 9 or 10, **Flue Collapse, Steamer Persian**, MS Ri., ~Napoleon, AR --23-24
8. 1840 – Dec 12, **Steamboat Cherokee Explosion**, Arkansas River, Lewisburg, AR -- 17
9. 1841 – **Steamer Carolina** snags, Mississippi River, Osceola, AR -- 34
10. 1845 – Dec 11, **Steamer Caspian Snags/Sinks**, MS River, Island No. 25, AR -- 40
11. 1847 – May 6, **Steamboat New Hampshire boiler explos.**, Ark Riv., Pine Bluff, AR --12-18
12. 1848 – May 27, **Str. Clarksville Burns**, MS R., ~Isl. 75/Ozark Isl. ~Napoleon, AR --20-41
13. 1849 – Summer-Winter, **Cholera** -- 33
14. 1850 – Spring, **Cholera** (we only have information on the Spring) -- 54
15. 1850 – Jan 23, **St. Joseph Boiler Explos.**, MS Ri., Islands No 80/81, ~Napoleon, AR -- 8-20
16. 1851 – May 31-July 26, **Cholera** outbreak, Fort Smith, AR -- 37
17. 1851 – Dec 09, **Steamboat Clermont sinks** (unknown cause), White River, AR --20-23
18. 1852 – Feb 16, **Flues Collapse, May Queen**, Ark. River, 45m below Little Rock, AR -- 12
19. 1852 – Apr 11, **Pocahontas Fire**, Miss. River, Island No. 78, Choctaw Bend, AR --10-12
20. 1854 – Jan 09, **General Bem Snags**, AR or MS Riv., Walnut Bend, AR or Grand Cutoff --10-15
21. 1854 – March 5, **Steamboat Caroline burns** near mouth of White River, AR --45-60
22. 1857 – Mar 31, **Steamer Forest Rose boiler explosion**, Miss. River, ~Napoleon, AR -- 11
23. 1857 – Nov 21, **Steamer Rainbow fire/sinks**, MS Ri., Victoria Bend, Napoleon, AR --20-75
24. 1859 – Apr 24, **sidewheel St. Nicholas boiler explos./fire**, Helena Isl. (No. 60), AR --50-70
25. 1860 – **Typhoid Fever** (AR subset of 19,236 deaths in 38 “registration” States and DC)– 599
26. 1862 – Feb 23, **Confederate Steamer Cambridge Snags**, Grand Glaize, AR -- 42
27. 1864 – Apr 18, **Rebels & Choctaws kill wounded & captured blacks**, Poison Spring -->10
28. 1864 – Apr 25, **Rebels murder runaway slaves with Union force**, Marks' Mills-->100-150
29. 1864 – Apr 30, **Captured and/or wounded soldiers killed**, Battle of Jenkins' Ferry -- ≥20
30. 1865 -- Mar 2, **Union Transport James Watson Grounds/burns?**, MS Riv., Isl. No. 76³⁸ --30-35
31. 1865 – Apr 27, **Steamer Sultana Explodes/Burns**, MS. Riv., Redman Point --1,547-2000
32. 1865 – Nov 24, **Niagara Sinks, Collis. With Post Boy**, MS River ~Prairie Point, AR--75-150
33. 1866 – Jan 28, **Steamer Miami, boiler explosion**, Arkansas River, ~ Napoleon, AR --40-225
34. 1870 – **Measles** (AR subset of 9,237 measles deaths nationwide) -- 204
35. 1873 – **Cholera**, Chicot, Helena, Little Rock Osceola, Perkins Plantation, Pine Bluff -- 76
36. 1873 – Aug 22, **George C. Wolfe boiler explo.**, MS Riv., St. Francis Is. ~Helena, AR --12-30
37. 1874 – Apr 30-May 9 “**Brooks-Baxter (contending Govs.) War**” Little Rock AR -- >200
38. 1878 – Aug-Oct, **Yellow Fever**, esp. Helena, Hopefield, and Terrene Landing, AR -- 56
39. 1879 – June-May 1880, “**Malarial Fever**,” (AR subset, 20,231 such deaths U.S.) --1,046
40. 1879 – Oct 2-Nov 28, **Yellow Fever Outbreak**, Forest City, AR -- 15
41. 1882 – July 12, **Lightning/Wind hits building, falls on saloon, Fire**, Texarkana, AR -- 30
42. 1883 – Nov 21, **Tornado** Outbreak (4), AR -- 10

³⁸ 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.

Arkansas (continued)

43.	1887 – Apr 22, Tornado , near Clarksville, AR	--	20
44.	1888 – Aug, Cloudburst, Flash Flood , near Hot Springs, AR	--	13
45.	1890 – Typhoid Fever (AR subset of ~30,000 typhoid deaths nationwide)	--	665
46.	1892 -- May 20, Passenger/freight trains collide , Crooked Bayou near Goldman, AR--	9-13	
47.	1895 – Feb 1-Apr 20, Smallpox , Clay County & Hot Springs, Garland County, AR	--	46
48.	1896 – Aug 10, Heat Prostration , Little Rock, AR	--10-15	
49.	1897 – Mar 04, Mine Explosion , Kansas & Texas No. 44 Coal Mine, Huntington, AR--	14	
50.	1898 – Jan 11, Tornado , Sebastian and Crawford Counties, Fort Smith, AR	--	55
51.	1900 – Typhoid Fever (AR subset of 35,379 typhoid fever deaths nationwide)	--1,172	
52.	1903 – Apr 07, Tornadoes (2), White, Cleburne, Van Buren Counties, AR	--	10
53.	1903 – Nov 20, Mine Explosion , Bonanza No. 20 Coal Mine, Bonanza, AR	--	11
54.	1904 – March 23-24, Racial Violence Against Blacks , St. Charles, AR	--	13
55.	1908 – Apr 26, Miriam hit by “ Cyclone ,” Capsizes, Miss. River, ~Hardins Point, AR--	11	
56.	1908 – Nov 23, Tornado , Franklin County, AR	--	14
57.	1909 – Feb 23, Tornadoes (3), AR	--	10
58.	1909 – Mar 08, Tornado Outbreak (6), AR	--	67
59.	1909 – Apr 29 Tornadoes , esp. Cleburne, Crittenden, Independence, Montgomery Co’s.--	17	
60.	1912 – Feb 25, Tornadoes , Lincoln, Jefferson, Arkansas, Lee Counties, AR	--	14
61.	1915 – Nov 25, Tornado , Garland County, AR	--	10
62.	1916 – Jun 05, Tornadoes (16), AR	--60-79	
63.	1916 – Dec 26, Tornadoes (2), AR	--	17
64.	1918-1919 Influenza and Pneumonia Epidemic , AR	--5,614-8,449	
	1918 – Fall/Winter, Influenza Epidemic, AR	--4,165-7,000	
	1919 – Jan-Apr, Influenza Epidemic, AR	--	1,449
65.	1919 – Sep 30-Oct 2, Racial Violence , Hoop Spur, Elaine vic., Phillips Co., AR	--100-200	
66.	1920 – Apr 19, Tornadoes , Yell, Logan, Johnson, Pope Counties, AR	--	19
67.	1921 – Apr 15, Tornadoes , Miller, Hempstead, Pile, Yell, Pope Counties, AR	--	56
68.	1921 – Nov 17, Tornadoes , Polk, Clark, Hot Springs, Garland Counties, AR	--	11
69.	1926 – Nov 25, Tornadoes , AR	--	58
70.	1927 – Mar 17, Tornado , Hot Springs, Saline, Pulaski Counties, AR	--	12
71.	1927 – Mar 18, Tornado , Carroll and Boone Counties, AR	--	24
72.	1927 – Apr-May, esp. Apr, Flooding and Levee Failures , Drownings, AR	--59-126	
73.	1927 – May 9, Tornadoes , AR	--	70
74.	1928 – Feb 24, Mine Explosion , Mama No. 3 Coal Mine, Jenny Lind, AR.	--	13
75.	1929 – Apr 10, Tornadoes , AR	--	55
76.	1929 – Apr 21, Tornado , Crew and Desha Counties, AR	--	13
77.	1930 – May 18, Tornadoes , Arkansas and Phillips Counties, AR	--	20
78.	1931 – Diphtheria , especially children (AR subset, 5,738 U.S. diphtheria deaths) ³⁹	--	267
79.	1931 – Malaria (AR subset, 2,536 malaria deaths nationwide) ⁴⁰	--	481
80.	1931 – Summer, Heat waves and excessive heat deaths (State subset, 2,768 deaths)	--	20
81.	1934 – July-Aug, Heat Waves , AR (subset of 1,683 fatalities nationwide)	--	10
82.	1936 – Jan 14, Plane Crash , American Airlines Douglas DC-2, Goodwin, AR	--	17

³⁹ AR had highest rate increase in US (5.6 per 100,000 in 1930, to 14.3), which also was highest rate in the country.

⁴⁰ Arkansas led the nation in malaria deaths in 1931. Georgia was second with 305 malaria deaths.

Arkansas (continued)

83.	1937 -- Jan 5-Feb 15 (generally), Flooding , OH and MS River Valley areas, AR	--	49
84.	1939 -- Malaria (AR subset of 1,761 malaria deaths nationwide)	--	265
85.	1939 -- Apr 16, Tornadoes , Drew, Cleveland, Jefferson Counties, AR	--	32
86.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	27
87.	1940 -- Malaria (AR subset of 1,442 U.S. malaria deaths)	--	176
88.	1940 -- Aug 27, Mine Explosion , Bates No. 2 Coal Mine, Bates, AR	--	10
89.	1941 -- Oct 26, Tornadoes , F4, Yell, Pope, Ashley Counties, AR	--	19
90.	1942 -- Oct 29, Tornado , F4, Carroll County, AR	--	29
91.	1944 -- Whooping Cough (AR subset of 1,878 whooping cough deaths nationwide)	--	51
92.	1944 -- Feb 03, Planes Collide Mid-Air, USAAF B-26B's , near Garland, AR	--	13
93.	1944 -- Mar 13, Anti-Personnel Surface Mine Explosion , Camp Robinson, Ark.	--	12
94.	1944 -- Mar 16, Assault Boat Training Drownings , Lakewood, ~Camp Robinson, AR--		11
95.	1944 -- Apr 10, Tornadoes , AR	--	39
96.	1945 -- Apr 12, Tornadoes , Crawford, Madison, Carroll, Logan, Johnson Counties AR--		21
97.	1947 -- Jun 01, Tornado , F4, Jefferson County, AR	--	35
98.	1945 -- Oct 31, Plane Crash , US Navy Transport, heavy fog, Rich Mt., near Mena, AR--		14
99.	1949 -- Jan 03, Tornadoes , AR	--	58
100.	1949 -- Mar 26, Tornadoes , AR	--	24
101.	1952 -- Mar 21, Tornadoes , esp. White, Woodruff, Lonoke, Howard Counties, AR	--	112
102.	1954 -- Dec 24, Explos./fire, kerosene thrown in stove, tenant farmhouse ~Parkin, AR ⁴¹ --		13
103.	1959 -- Mar 5, Fire, Negro Boys Industrial School Reformatory Dorm, Wrightsville AR--		21
104.	1962 -- Jan 15, Fire, Paladino home, Catholic Point community ~Center Ridge, AR	--	10
105.	1963 -- Feb 21, Farm/tenant home Fire, near Luxora, AR	--	10
106.	1965 -- Aug 9, Fire leading to workmen suffocation, Titan II ICBM Silo ~Searcy, AR--		53
107.	1968 -- Apr 19, Tornado , F4, Sebastian County, AR	--	14
108.	1968 -- May 15, Tornadoes , Baxter, Craighead, Independ., Jackson Counties, AR	--	45
109.	1969 -- Apr 5, kerosene explosion/ Fire , house, Oakwood Bayou community ~Dumas, AR--		10
110.	1971 -- Nov 15, Plane Crash, USAF Lockheed Hercules C-130, Little Rock , AR	--	10
111.	1973 -- Sep 27, Plane Crash, Texas International Air N94230 , Black Fork Mt., AR--		11
112.	1976 -- Sep 26, Plane Crash, Johnson & Johnson Co. , Hot Springs, AR	--	11
113.	1980 -- June 5, Central Texas Charter Tour Bus goes off Highway 7 , near Jasper, AR--		20
114.	1980 -- Summer Heat , esp. Pulaski/17, Mississippi/14, Jefferson/11 counties, AR	--	148-153
115.	1980 -- Summer (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	14
116.	1982 -- April 2, Tornadoes , 7 counties, esp. Faulkner and Hempstead Co's., AR ⁴²	--	14-15
117.	1983 -- June-Aug, Heat , deaths in fifteen counties (subset of US total of 597)	--	20
118.	1986 -- Summer Heat , AR (subset of >400 U.S. heat-related fatalities)	--	28
119.	1987 -- Dec 22, 26, 28, R. Gene Simmons Killing Spree , Dover & Russellville, AR ⁴³ --		16
120.	1987 -- Summer Heat , State substate of approximately 387 U.S. heat deaths	--	21
121.	1990 -- Summer (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--		17
122.	1991 -- Summer (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--		10
123.	1993 -- Summer esp., Heat (AR subset of 311 U.S. heat deaths)	--	10

⁴¹ Cross-listed in Explosions and Fire-Structural. The deaths were caused by burning fuel thrown onto the victims.

⁴² Fifteenth fatality was indirect – policeman killed at a roadblock leading to damaged area in Faulkner County.

⁴³ Drowns 1, strangles 7/shoots 6 family members in Dover Dec 22 and 26. Shoots two in Russellville, Dec 28th.

124.	1995 – Summer Heat , AR subset of 1,563-1,601 U.S. heat-related deaths)	--	25
125.	1997 – March 1, Tornadoes , deaths in Clark, Greene, Jackson, Pope, Pulaski, Saline co., AR--		27
126.	1999 – May 1, Miss Majestic DUKW tour boat sinks off St. John's Isl., Lake Hamilton, AR--		13
127.	1999 – June 1, American Airlines 1420 , Storm/Landing Collis., Little Rock, AR	--	11
128.	1999 – Summer, especially late July-early Aug, Heat	--	20
129.	2000 – Summer especially, Heat (AR subset of 333 U.S. heat-related deaths)	--	10
130.	2004 – Oct 09, MCI Motorcoach Crash , I-55 near Turrell, AR	--	15
131.	2005 – Summer especially, Heat	--	10-11
132.	2008 – Feb 5-6, Tornadoes , Baxter, Conway, Izard, Pope, Stone, Van Buren Counties--		14
133.	2009 – Jan 26-28, Ice and Snow Storm , AR	--	18
134.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--	17-32
135.	2010 – Summer especially, Heat (AR subset of 627 U.S. heat-related deaths)	--	17
136.	2010 – June 11, Flash Flood kills campers , Ouachita Mts., Albert Pike Rec. Area, AR--		20
137.	2011 – Apr 25, Severe Storms, Flash Floods , Tornadoes, Ark.	--	10
138.	2011 – July-Aug especially, Heat (AR subset of 589-602 U.S. heat fatalities)	--	17
139.	2012 – Summer especially, Heat (AR subset of 598 U.S. heat-related fatalities)	--	12
140.	2014 – Apr 27, Tornado outbreak , especially Faulkner, Pulaski, White Counties, AR--		15
141.	2016 -- June-Aug (especially), Heat (subset of 339 US heat deaths)	--	339

Select Other Arkansas Loss of Life Events:

1860 –	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	377
1860 –	Measles (AR subset of 3,900 measles deaths nationwide)	--	51
1860 –	Scarlatina (Scarlet Fever) (AR subset, 26,402 deaths in 38 Census States & DC)	--	437
1860 –	Tuberculosis , reported as "consumption" (AR subset of 49,082 death nationwide)--		329
1860 –	Whooping Cough (AR subset of 8,408 whooping cough deaths nationwide)	--	187
1870 –	Croup (AR subset of 10,692 deaths nationwide)	--	183
1870 –	Tuberculosis (Consumption) (AR subset of ~70,000 TB deaths nationwide)	--	431
1870 –	Typhoid Fever (AR subset of 22,187 typhoid fever deaths nationwide)	--	237
1870 –	Whooping Cough (AR subset of 9,008 whooping cough deaths nationwide)	--	219
1879 –	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	495
1879 –	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	157
1879 –	June-May 1880, Measles , especially children (AR subset, 8,254 measles deaths)	--	254
1879 –	June-May 1880, Meningitis (AR subset of 7,481 meningitis deaths nationwide)	--	180
1879 –	June-May 1880, Scarlet Fever , especially children (AR subset, 16,388 SF deaths)--		295
1879 –	June-May 1880, Tuberculosis (AR subset of 91,270 TB deaths nationwide)	--	951
1879 –	June-May 1880, Typhoid Fever (AR subset of 23,339 U.S. Typhoid deaths)	--	437
1879 –	June-May 1880, Whooping Cough (AR subset, 11,064 U.S. W.C. deaths)	--	446
1882 –	Smallpox , especially Forrest City, AR (13 deaths, March-May 8)	--	17
1898 –	Typhoid Fever (3,064 nationwide), First and Second Ark. Infantry Regiments ⁴⁴	--	36
1900 –	Tuberculosis (subset of 109,750 tuberculosis deaths) and out of 22,518 AR deaths-		1,889
1918 –	Typhoid Fever (AR subset of 9,100 U.S. Typhoid Fever deaths)	--	243
1927 –	Polio (acute) esp. late Summer and Fall (AR subset, 2,013 U.S. polio deaths)	--	32
1931 –	"Epidemic Cerebrospinal Meningitis," ⁴⁵ (AR subset, 2,832 US meningitis deaths)--		21

⁴⁴ This number is for Arkansas servicemen dying of typhoid this year, in various locations in the U.S., three in Ark.

⁴⁵ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Arkansas Select Other Fewer than 10 Loss of Life Events (continued)

1931 – Influenza (AR subset of 31,701 influenza deaths nationwide)	--	743
1931 – Measles , especially children (AR subset, 3,576 measles deaths nationwide)	--	27
1931 – Polio , esp. July-Oct, (AR subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	26
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (AR subset of 1,997 U.S. diphtheria deaths)	--	60
1939 – Influenza and Pneumonia (AR subset, 99,097 U.S. influenza/pneumonia deaths)	--	1,720
1939 – Tuberculosis (AR subset of 61,609 tuberculosis deaths nationwide)	--	955
1939 – Whooping Cough (AR subset of 3,026 whooping cough deaths nationwide)	--	60
1940 – Influenza and Pneumonia (AR subset of 92,525 U.S. flu and pneumonia deaths)	--	1,926
1940 – Polio (AR subset of 1,026 polio deaths nationwide)	--	17
1940 – Tuberculosis (AR subset of 55,576 tuberculosis deaths nationwide)	--	985
1940 – Whooping Cough (AR subset of 2,926 whooping cough deaths nationwide)	--	56
1940 – Oct 20, Plane Catches Parachute's Shrouds, Crashes , Marianna Airshow, AR	--	6
1941 – Measles , especially children (AR subset of 2,279 Measles deaths nationwide)	--	48
1942 -- May 11, Peerless coal mine number 2 shaft explosion , Excelsior, AR	--	6
1944 – Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	--	22
1944 – Influenza (AR subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	389
1944 – Measles , especially Jan-June (AR subset of 1,923 measles deaths nationwide)	--	29
1944 – Tuberculosis (AR subset of 54,731 tuberculosis deaths nationwide)	--	826
1948 -- Feb 28, Sun Excelsior coal mine explosion , Excelsior, AR	--	8
1949 – Polio , especially July-Nov, (AR subset of ~2,725 polio deaths nationwide)	--	50
1951 – Jan 27-Feb 4, Cold Waves, Winter Storms, ice, sleet, snow , AR ⁴⁶	--	9
1953 – Polio (AR subset of 1,450 polio deaths nationwide)	--	21
1957-58 – Fall-Spring, Influenza (& Pneumonia) Pandemic (subset ~70,000 US deaths)	--	199
1968-69 – Fall-Spring, Influenza (& Pneumonia) Pandemic (subset, ~34,000 US deaths)	--	138
1972 – Feb 19, USAF C-130 and T-37 Planes Collide , NE of Little Rock AFB, AR	--	5
1978 – Sep 08, USAF C130 Crash into mountain, ~8 miles N of Little Rock AFB, AR	--	8
1983 – Mar 25, School Bus Crash , Jonesboro School District, near Newport AR	--	9
1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227	--	9
1998 – Mar 24, Violence, Westside Middle School Shootings , Jonesboro, AR	--	5
2001 – Summer, Heat , AR ⁴⁷	--	≥5
2002 – Summer, Heat , AR	--	≥5
2003 – Summer, Heat , AR	--	≥5
2004 – Summer, Heat , AR	--	≥5
2006 – Summer, Heat , AR	--	≥5
2007 – Summer, Heat , AR	--	≥5
2008 – Summer, Heat , AR	--	≥5
2009 – Summer, Heat , AR	--	≥5

Breakout of **Arkansas** Large-Loss-of Life Events (10 or more fatalities) by Type:

38 – **Tornadoes**

⁴⁶ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

⁴⁷ “There have been between five and twenty-three deaths attributed to heat in Arkansas in every year since 2001.” Arkansas Department of Health. “ADH Warns of Heat Related Illness,” Aug 2011, p. 2.

- 28 – **Maritime and Inland Water Craft.**
- 20 – **Heat.** (Plus 9 deaths in 1985 and ≥ 5 deaths each in 2001-2004 and 2006-2009.)
- 18 – **Disease**, select communicable, especially epidemics. (Plus 42 in “Other.”)
- 8 – **Violence**
- 7 – **Aviation.** (Plus 3 – one with 8, one with 6 and one with 5 deaths in “Other.”)
- 7 – **Fire-structural**
- 5 – **Flooding**
- 4 – **Mining.** (Plus two: 6 in 1942 coal mine explosion; 8 deaths in 1948 coal mine explosion.)
- 2 – **Structural Failures.**
- 2 – **Vehicular – road and highway.** (Plus one event in 1983 with 9 deaths.)
- 1 – **Earthquake** (But one event in 1811 with “several” deaths.)
- 1 – **Explosion.**
- 1 – **Fog as a Contributing Factor.**
- 1 – **Lightning** (contributing cause to deadly fire)
- 1 – **Rail.**
- 1 – **Winter Weather** (Plus one in 1951 with 9 fatalities in “Other.”)

CA

California

1.	1709-10 – Smallpox Epidemic, Native Americans, lower CA	≥2,000
2.	1763 – Smallpox Epidemic, Native Americans, CA	-- >100
3.	1812 – Dec 8, Wrightwood/San Juan Capistrano Earthquake , CA	-- 42
4.	1829-34–Unknown Epidemic, Natives, esp. San Joaquin/Sacramento Valleys ⁴⁸	4,500-20,000
5.	1833 – Malaria Epidemic, ConCow Maidu Villages, Butte County, CA vicinity	-- ~800
6.	1837 – Smallpox , California Native Americans ⁴⁹	2,000-10,000
7.	1853 – Pneumonia outbreak, Native Americans, near Cherokee, Butte County, CA	-- 40
8.	1846 – Mid Apr, Sacramento River Massacre, Carson/Fremont attack Natives, N. CA	-- >175
9.	1847 -- Feb, Donner Party Tragedy, Winter Storms, Snow, Starvation , Donner Lake, CA-	43
10.	1849 – March, Ore. Miners kill Maidus , American River, Weber’s Creek, Coloma, CA->	22
11.	1849 – Apr 26~ Whites massacre Natives Daylor mine & ranch, Cosumnes Riv. area, No. CA--	≥17
12.	1849 – Summer-Winter, Cholera , CA	-- 95
13.	1850 – “Friendship Feast,” Whites poison Trinity Riv. Wintu Natives, Shasta Co., CA--	145
14.	1850 – Sweathouse Massacre , Sonoma County Whites kill Natives, Napa County, CA--	11
15.	1850 – Feb 25, Smith/Kelsey massacre Natives, Henry Fowler ranch, no. Napa Vly., CA>	13
16.	1850 – Apr 21, Quechan/Yuma Natives Massacre Glanton Gang, Winterhaven, CA	-- 11
17.	1850 – May 15, Bloody Island Massacre , USA Attack Pomo, Clear Lake, CA	--60-200
18.	1850 – May 19, Russian River Massacre , US Army attacks Pomo, ~Healdsburg, CA--	>75
19.	1850 – Oct-Dec, Cholera Epidemic, esp. Sacramento and San Francisco, CA	--1,274-1,663
20.	1850 – Oct 29, Steamboat Sagamore Boiler Explosion , San Francisco, CA	--20-50
21.	1851 – Massacre, White Miners Burn Wintu Council House , Old Shasta, CA	-- 300
22.	1851 – Jan, Four Creeks Massacre , Natives attack cattle herders, present-day Bakersfield, CA--	13
23.	1851 – Jan, early, Rattlesnake Creek Massacre [?], Natives attack white miners, CA--	72
24.	1851 – Jan 11, Whites attack Natives , Mt. ~No. Fork, San Joaquin Ri., Mariposa Co., CA--	23-50
25.	1851 – May 3-4, Conflagration, “Fifth Great Fire,” San Francisco, CA	-- ~14~30
26.	1852 – Smallpox outbreak, Native Americans, Nevada City vicinity, CA	-- ~100
27.	1852 – Mar 12, Massacre of Natives, upper crossing Klamath Ri. Ferry & Indian Flat, CA--	30-40
28.	1852 – Apr 23, Bridge Gulch Massacre , Whites attack Natives ~Hayfork, No. CA--	140-153
29.	1852 – July 03~, Harvey party attacks Yokut village , Kings River rancheria, CA	--9~30
30.	1852 – Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border ⁵⁰	11-15
31.	1852 – Sep, Bloody Point Massacre , Modocs attack wagon train, Tule Lake, North CA--	62
32.	1852 – Oct, Cholera Outbreak, Barton’s Bar, Yuba River, CA (deaths in 24 hours)	--18-25
33.	1852 – Nov, Ben Wright Massacre of Modocs, peace talks, Lost Riv., Tule Lake, CA--	30-41
34.	1852 – Nov/Dec, Unknown epidemic , Natives, Hock Farm, Sutter County, CA ⁵¹	-- 40
35.	1853 – Smallpox outbreak, Native Americans, Nevada City vicinity, CA	-- 400
36.	1853 – Typhoid outbreak, Native Americans, Nevada City vicinity, CA	--~100
37.	1853 – Burnt Ranch Massacre , Settlers kill Tolowa, Yontocket, Smith Riv., No. CA-	450-600

⁴⁸ From contemporary accounts, it appears that the year 1833 was the deadliest.

⁴⁹ 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.”

⁵⁰ Cross-listed in Oregon since this event transpired at an unknown place in the border region.

⁵¹ 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.

California (continued)

38.	1853 – Pence party attacks Native American camp ~Messilla Valley, Butte Co., CA--	27
39.	1853 – Feb 16, Steamer <i>Independence</i> hits rock/sinks, Margarita Island, Lower CA--	120-172
40.	1853 – Mar 01, Cattle theft reported, Whites attack Natives in cave near Oak Grove, CA--	13
41.	1853 – Apr 11, Steamship <i>Jenny Lind</i> boiler explosion, Alviso to SF, CA	-- 31
42.	1853 – Fall, Natives Kill Chinese, west branch Feather River, Butte County, CA	-- 10
43.	1853 – Fall, White/Chinese retaliatory attack re. Natives, Feather Riv., Butte Co., CA --	40-60
44.	1854 – Apr 15, Steamer <i>Secretary</i> Explosion, SF Bay, at San Pablo Bay, CA	-- 50
45.	1854 – May 15~, Asbill party kill Yuki Natives, Round Valley, Mendocino Co., CA--	32~40
46.	1854 – Oct 02, S.S. <i>Yankee Blade</i> Capsizes on Reef in Fog, near Pt. Arguello, CA	--15-30
47.	1855 – Jan 1, Settlers Massacre Tolowa, Etchulet (Achulet), ~Lake Earl, No. CA --	30->100
48.	1855 – Jan 27, Steamer <i>Pearl</i> boiler explosion, Sacramento River, Marysville, CA	--40-80
49.	1855 – Sep, Cholera aboard Pacific Steamer <i>Uncle Sam</i> on way to SF, CA	-- 111
50.	1855 – Sep, “Cpt.” Jarboe force Massacres Achomawi Natives, Pit River village, CA--	>70
51.	1856 – Feb 05, Steamer <i>Belle</i> boiler explosion, nine miles above Sacramento, CA	-- ~30
52.	1856 – Apr/May 13, Whites attack Natives, near Visalia, Keysville & Battle Mt., CA--	>40
53.	1858 – Early May, Killing of Yana Natives near Battle Creek, Tehama Co, No. CA	-- 15
54.	1858 – Early-mid Jun, Whites attack Mattole Natives, Mattole Vly., Humboldt Co.	--15-20
55.	1858 – Dec 31, Whites kill Natives ~Eden Valley, Russian River area, Sonoma Co., CA--	14
56.	1859 – Jan 01, Whites kill Natives, Round Valley, Mendocino County, CA	-- 40
57.	1859 – Late Mar-mid Apr, Whites kill Natives, Round Valley, Mendocino Co., CA--	300-400
58.	1859 – May, Whites Massacre Yuki Natives, Round Valley, Mendocino County, CA--	240
59.	1859 -- ~July, Hildreth militia massacres Natives, Round Valley vicinity, No. CA	-- 17
60.	1859 – July, last week, Breckenridge militia attack Natives, Tehama Co., No. CA	--10-16
61.	1859 – July 28, Whites Massacre Natives near Forks of Butte, Butte County, CA	-- ~10
62.	1859 – Summer, Chico Creek Canyon Massacre, Whites attack Maidu Natives, N. CA--	40
63.	1859 ---Late Aug, ⁵² McElroy party massacres Natives, Roff’s Ranch, Pitt Riv. vic.--	≥49
64.	1859 ---Oct 11, Massacre, Jarboe volunteers attack Yuki camp, Round Valley, CA--	11
65.	1859 -- ~Nov 24, Jarboe’s Eel River Rangers attack Natives, Round Valley vic., CA--	≥27
66.	1860 – Scarletina (Scarlet Fever) (subset of 26,402 deaths in 38 Census States & DC)--	441
67.	1860 – Whites attack Yuki Natives near Round Valley, Mendocino County, CA	-- 250
68.	1860 – Jan 5, Steamer <i>Northerner</i> hits rock off Centerville Beach, S of Humboldt Bay CA--	33-38
69.	1860 – Feb 26, Whites Massacre Natives, Indian Isl. & Humboldt Bay vic., CA	--100->250
70.	1861 – Late Sep, Horse Canyon Massacre, Whites/Natives attack Wailaki, Round Val.	--100-240
71.	1861 -- Dec-Jan 1862, Flooding, CA, OR, WA, UT, especially CA	-->1,000?
72.	1862 – July 27, Steamboat <i>Golden Gate</i> burns off Mexican Coast (Manzanilla) ⁵³ --	175-200
73.	1862 – Aug, Massacre of Wailaki Natives, Upper Station, Round Valley Resvn., CA--	23-24
74.	1863 – Feb 22, Tug <i>Merrimac</i> wrecks, Humboldt Bar, CA	-- 13
75.	1863 – Apr 11, Chilula Massacre by Hoopa/Chilulas ~Stone Lagoon, Humboldt Co.	-- ~30
76.	1863 – Apr 19, Keysville Massacre, US Army attacks Natives, near Keysville, CA	-- 35
77.	1863 – Apr 27, Steamer <i>Ada Hancock</i> explosion, San Pedro Bay, LA, CA	-- 26
78.	1863 – Sep 4-18, Nome Cult Trail of Tears, Concow Maidu, Chico to Round Valley --	~32
79.	1864 – Jan 23, Schooner <i>Dashaway</i> wrecks, Cape Mendocino, CA	-- 14

⁵² Date is uncertain. We have it as late August based on Cpt. Adams report of the incident dated Sep 3, Ft. Crook.

⁵³ Listed herein in that the *Golden Gate* was a California boat.

California (continued)

80.	1864 – Sep, General massacre of Yana Natives , Northern CA	>335-500
81.	1865 -- July 30, Storm, Brother Jonathan Grounds & Sinks off Crescent City, CA	146-225
82.	1865 – Aug 16, Workman/Three Knolls Massacre , Whites kill Yanas, Mill Creek	-- ~40
83.	1866 -- April 16, Nitroglycerin explosion Wells Fargo building, San Francisco, CA	--15-20
84.	1866 – Sep 29, Steamer Julia, Steam Drum Explosion , San Francisco, CA	-- 10
85.	1868 – Jun-Dec, Smallpox Epidemic, San Francisco, also San Juan, Watsonville, CA	-- 760
86.	1868 – Oct 21, Hayward Earthquake , SF Bay Area, CA	-- 30
87.	1870 – Scarlet Fever , especially children (State subset of 20,339 deaths nationwide)	-- 479
88.	1870 – Smallpox (State subset of 4,597 smallpox deaths nationwide)	-- 254
89.	1870 – Diphtheria (subset of 6,303 deaths nationwide)	-- 255
90.	1870 – Typhoid Fever (State subset of 22,187 typhoid fever deaths nationwide)	-- 392
91.	1871 – Cowboys (4) Massacre Yahi women/children , Kingsley Cave, Tehama Co.	-- ~30
92.	1871 – Jul 3, Cal. Brig Shelehoff disabled Pacific Ocean storm, starvation, found Oct 19	-- 11
93.	1871 – Oct 24, Racial Violence and Massacre , Chinatown, Los Angeles, CA	-- 21
94.	1872 – Mar 26, Earthquake , Owens Valley, CA	-- 30
95.	1872 – Nov 29-30 Modoc “Hooker Jim” band kills white males , SE Tule Lake, CA	--14-18
96.	1876 – May 19-July 1, 1877, Smallpox Epidemic, San Francisco, CA	-- 482
97.	1876 – Oct 30, Fire Scare/Trampling , Chinese Royal Theatre, Jackson St. SF, CA	--19-20
98.	1877 – Diphtheria Epidemic, especially Santa Cruz, CA	-- 118
99.	1879 – Feb 22, Explosion , Thrashing Engine, Pump Exhibition, Stockton, CA	-- 20
100.	1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 US deaths)	-- 295
101.	1879 – Nov 18, Tunneling Gas Explosions, Railroad Tunnel No. 3 , ~San Jose, CA	--~30
102.	1879 – Dec, Schooner Mary D. Pomeroy lost, Crescent City, CA to SF, CA	-- 14
103.	1880 – Apr 16, Explosion, Giant Powder Works , Berkeley, CA	--22-27
104.	1880 – Aug-Dec 18, Smallpox Outbreak, San Francisco, CA	-- 27
105.	1881 – Jan-Dec 3, Smallpox , San Francisco (47) and Oakland (1), CA	-- 48
106.	1883 – Jan 20, Train Derails , Southern Pacific Railroad, near Tehachapi, CA	--15-25
107.	1883 – Jan 21, Explosions, Giant Powder-Works , Point Clement, ~Oakland, CA	--30-40
108.	1883 – May 25, Steamboat Pilot boiler explosion , Petaluma Riv. near Lakeville, CA	-- 10
109.	1885 – Aug 20, Brit. Bark Haddingtonshire strands 3 miles north of Point Reyes, CA	-- 15
110.	1885 – Oct 12, Last sighting of Whaling Bark Amethyst of SF, CA on Arctic trip	-- 40
111.	1886 – Dec 17, Whaling Bark Atlantic grounds near San Francisco, CA	-- 27
112.	1887 – Dec 20, Str. San Vicente burns, SF to Santa Cruz, off Point New Year, CA	-- 12
113.	1888 – Feb 27, Ferryboat Julia boiler explosion, South Vallejo, CA	--30-40
114.	1888 – Aug 22, Fog, Steamers Oceanic & City of Chester Collide , San Francisco	--10-34
115.	1889 – Dec 22, Utica Gold Mine North Shaft Collapse/Cave-in , Angels Camp, CA	16-17
116.	1890 – May 30, Train Falls through open Drawbridge , Drownings, Oakland, CA	-- 29
117.	1890 – Jan-Mar, Influenza (La Grippe/Russian Flu), esp. L.A., Oakland, San Fran.	-- 720
118.	1891 – Feb 21, Ship Elizabeth , NYC to SF, grounds, Tenn. Cove, Marin Ct. CA	--17-20
119.	1892 – June 13, Mil. Munitions Explos. , USS Boston , Mare Island Navy Yard, CA	--14-16
120.	1893 – Dec 15, Schooner Mascot leaves SF, CA homeport, sealing trip, lost at sea	-- 17
121.	1894 – May 11, Amer. Whaling Bark James Allen hits rock/sinks, Amlia Island, AK ⁵⁴	-- 25
122.	1895 – May 21, Nitroglycerine Explosions , California Powder Works, Pinole, CA	-- 15

⁵⁴ Cross-listed in California – a San Francisco boat.

California (continued)

123.	1895 – May 27, Storm, Colima (SF, CA) founders off Manzanilla, Mexico ⁵⁵	--	153
124.	1896 – Sep 01, Powder Explosion , Hercules Powder Works, Pinole, CA	--	12
125.	1898 – Mar 20/21, Bark Helen W. Almy capsizes in gale near Point Bonita, CA	--40-41	
126.	1898 – Apr 26, California Powder Works Explosions , near Santa Cruz, CA	--11-13	
127.	1899 – Apr 04, Steamer Chilkat Wrecks in “Heavy Sea,” Humboldt Bay Bar, CA	--	10
128.	1900 – Typhoid Fever (State subset of 35,379 typhoid fever deaths nationwide)	--	512
129.	1900 – Nov 29, Roof Collapse , San Francisco Pacific Glass Works, San Francisco, CA	--20	
130.	1901 -- Feb 22, City of Rio de Janeiro Grounds/Sinks, fog, Fort Point, SF Bay CA	--127~140	
131.	1902 – Jan 2, Steamer Walla Walla hit by bark Max , 9m off Cape Mendocino, CA	--36-43	
132.	1902 – Dec 03, Fuel Tank Explosion , Ship Progreso , Fulton Shipyard, SF, CA	--	12
133.	1905 – July 21, USS Bennington Gunboat boiler explosion, San Diego, CA	--60-65	
134.	1906 – Jan 22, Steamer Valencia grounds/sinks south side Vancouver Isl., BC ⁵⁶	--117-136	
135.	1906 – Apr 18, Earthquake, Fire , Landslides, San Francisco and vicinity, CA	--3,000-5,000	
136.	1906 – June 11, Steamer Corinthian grounds, Humboldt Bar, CA	--	12
137.	1906 – Nov 09, Building Collapse , Bixby Hotel , Long Beach, CA	--	10
138.	1907 – Bubonic Plague Epidemic, San Francisco, CA	--	78
139.	1907 – Mar 28, Train Derails , Sunset Express, Southern Pacific Rail, Colton, CA	--24-28	
140.	1907 – May 11, Train Derails , Coast Line, Southern Pacific RR, near Honda, CA	--32-40	
141.	1907 – July 21, Columbia & San Pedro collision, off Shelter Cove, CA	--80-86	
142.	1907 – Nov 30, Mine Fire , Fremont Gold Mine, Drytown, CA	--	11
143.	1908 – Feb 20, Nitroglycerin Explosion , Hercules Powder Works, Pinole, CA	--28-30	
144.	1910 – Polio Outbreak, especially children, CA	--	29
145.	1910 – Aug 08, Train Crash , Northwestern Pacific Railroad, Ignacio, CA	--	11
146.	1910 – Oct 1, Los Angeles Trade Unionist Attack , LA Times, LA, CA	--	21
147.	1911 – Mar 10?, Avalanches , Mono County, CA	--	17
148.	1911 – July 07, Steamer Santa Rosa grounds north of Point Arguello, CA	--	12
149.	1911 – Nov-Dec, Smallpox , especially Los Angeles, CA	--	10
150.	1912 -- Polio , especially Summer to Fall, especially children	--	129
151.	1912 – Jan-Nov, Smallpox , esp. Los Angeles, also Pasadena, SF, San Bernardino	--16-19	
152.	1913–May 24, Auditorium floor collapse , Pine Ave Municipal Pier, Long Beach CA	--40-47	
153.	1913 – Jun 19, Electric Trains Collide , S.F., Napa & Calistoga RR, near Vallejo, CA	--	13
154.	1913 – July 13, Pacific Electric RR Trains Collide , ~Vineyard Station, L.A., CA	--	16
155.	1914 – Nov 23, Steamer Hanalei grounds, Duxbury Reef near San Francisco, CA	--	23
156.	1916 – Diphtheria , especially children	--	290
157.	1916 – Jan 14-30, Heavy Rain, So. CA Flooding , Lower Otay Dam Failure	--22-60	
158.	1916 – May 09, Steamer Roanoke founders, off Point Buchon, CA	--45-47	
159.	1916 – July 22, Bombing, Preparedness Day Parade , San Francisco, CA	--	10
160.	1917 – Dec 17, Submarine F-1 collides with F-3 , sinks off Coast of San Diego, CA	--	19
161.	1918 – Sep 17, Storm , Cal. Steamer San Gabriel founders off Cape Lucas, Mexico	--	20
162.	1918-1919 – Influenza and Pneumonia Epidemic, CA	--	21,675
	1918 – Sep-Dec, Influenza/Pneumonia Epidemic, esp. S.F., L.A., Oakland, CA	--	15,747
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, CA	--	5,928

⁵⁵ Listed herein in that the *Colima* was a California boat.

⁵⁶ Listed herein in that the *Valencia* was a California boat.

California (continued)

163.	1918 – Dec 19, Standard Oil Tanker <i>George Loomis</i> founders ~Blunts Reef Light CA--18
164.	1920 – Influenza and Pneumonia Epidemic, esp. Los Ang., Oakland, San Fran., CA 5,846
165.	1920 – Whooping Cough (CA subset, 10,968 such deaths in 34 registration states) ⁵⁷ -- 410
166.	1921 – Polio (Acute) esp. late Summer-Fall (subset, 1,597 U.S. polio deaths) ⁵⁸ -- 95
167.	1921 – Aug 06, Steamer <i>Alaska</i> grounds off Blunts Reef, CA -- 42
168.	1922 – Aug 27, Mine Fire, Argonaut Gold Mine, Jackson, CA -- 47
169.	1923 – Sep 8, 7 US Navy Ships Founder in Fog , Honda Point, CA -- 23
170.	1924 – May 31, Fire, Hope Development School, Playa Del Rey, near Venice CA -- 24
171.	1924 – Jun 12, Battleship <i>USS Mississippi</i> Gun Turret Cordite Fire off San Pedro CA-- 48
172.	1924 -- Oct-Nov esp. Pneumonic and Bubonic Plague Epidemic, Los Angeles, CA -35-37
173.	1925 – June 29, Earthquake , Santa Barbara, CA -- 13
174.	1927 – Polio (acute) esp. late Summer and Fall (subset, 2,013 US polio deaths) ⁵⁹ -- 230
175.	1928 – Mar 12, St. Francis Dam Failure, Flooding , Ventura County, CA --400-600
176.	1928 – Aug 9, Steamer <i>William A. McKenney</i> , storm/drownings, Coast of CA -- 14
177.	1929 – Aug 29/30, Steamer <i>San Juan</i> collides with <i>S.C.T. Dodd</i> , ~Pigeon Point, CA-71-78
178.	1930 – Jan 2, Planes Collide , Motion Picture rentals, Santa Monica, CA -- 10
179.	1930 – Jan 19, Plane Crash , Transcontinental Air Transport Flight 7, Oceanside, CA-- 16
180.	1930 – Sep 16/17, SF CA Schooner <i>South Coast</i> sinks , OR Coast, ~Cape Blanco ⁶⁰ --18-19
181.	1930 – Nov 8, Lumber Schooner <i>Brooklyn</i> founders , Humboldt Bar, Eureka, CA -- 18
182.	1931 – Epidemic Cerebrospinal Meningitis , ⁶¹ (CA subset, 2,832 US meningitis deaths)--148
183.	1931 – Measles , especially children (State subset, 3,576 measles deaths nationwide)-- 124
184.	1931 – Summer, esp. July 2-3, 24-30, Heat Waves , especially Imperial Valley, CA -- 127
185.	1932 – Sep 30, Flash Flood , Tehachapi Creek Basin, Woodford, Kern County, CA -- ≥15
186.	1933 – Mar 11, Earthquake , Long Beach, CA -- 120
187.	1933 – Mar 25, Plane Crash , Varney Speed (Air) Lines, San Leandro, CA -- 14
188.	1933 – June 2, Explosion , Richfield Meandor Oil Refinery, Long Beach, CA -- 10
189.	1933 – Oct 3, Wildfire , Griffin Park, Los Angeles County, CA --28-33
190.	1933 – Dec 30-31, Flooding , Southern CA -- 45
191.	1934 – Jun 12, Tuna Clipper <i>Belle Isle</i> Sails from San Diego, CA, Lost at Sea -- 12
192.	1936 – July 1-24, Heat Wave , Southern CA -- 25
193.	1936 – Dec 27, Plane Crash , United Air Flight 34, Rice Canyon, Newhall, CA -- 12
194.	1937 – Feb 09, Plane Crash , United Air Flight 23, San Francisco Bay, CA -- 11
195.	1937 – Feb 17, Construction scaffolding collapse , Golden Gate Bridge, San Fran., CA--10
196.	1938 – Feb 02, Planes Collide mid-air , two US Navy PBX-2 Bombers, off S. CA -- 11
197.	1938 – Feb 27-March 4, Flooding , Southern CA -- 79
198.	1938 – July 31-Aug 4, Heat Wave , especially Imperial Valley, CA -- 10
199.	1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (CA subset of 1,997 US diphtheria deaths) ⁶² -- 59
200.	1939 – Influenza and Pneumonia (CA subset, 99,097 U.S. flu/pneumonia deaths) --3,639

⁵⁷ 7th highest death total by state, behind PA at 1,195, NY at 1,063, OH at 845, IL at 553, MA at 536, and VA at 463.

⁵⁸ Above the national average.

⁵⁹ California led the nation in polio deaths in 1927. Massachusetts was second with 170.

⁶⁰ Cross listed in OR. On trip from CA port apparently lost off OR coast. Was home-ported in San Francisco and all the crew lived in the Bay area.

⁶¹ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁶² Above national average.

California (continued)

201.	1939 -- June-Sep (esp. Sep 15-23, LA), Heat (subset of 527-1,073 US heat deaths) --	546
202.	1939 -- Sep 25, Tropical Storm , Flooding/Maritime, Long Beach/San Pedro, CA --	93
203.	1940 -- Influenza & Pneumonia (CA subset of 92,525 US flu & pneumonia deaths)--	4,043
204.	1948 -- Polio , year, especially July-Nov with 306 deaths (1,895 US polio deaths) --	365
205.	1949 -- Polio , the year, especially July-Nov (CA subset, ~2,725 US polio deaths) --	136
206.	1950 -- Polio , especially July-Nov (CA subset of 1,904 polio deaths nationwide) --	112
207.	1941 -- Jan 04, Plane Crash on landing , USN Transport <i>R2D-1</i> , San Diego, CA --	11
208.	1941 -- Dec 30, 3 USAAF Planes Crash in CA; ~Allensworth, Keller Peak, Oakland--	11
209.	1942 -- Apr 12, Planes Crash , two U.S. Navy Bombers, near Livermore, CA --	14
210.	1942 -- June 4, Plane Crash , US Army AF LB-30, near Hamilton Field, CA --	14
211.	1942 -- Oct 23, Planes Collide , American Air/USAAF B-4, Palm Springs, CA --	12
212.	1943 -- Jan 21, Plane Crash , PanAm 1104/USN Transport, Mt. ~Boonville & Ukiah--	19
213.	1943 -- May 29, Plane Lost , USAAF B-24D, Pacific Ocean off Coast of CA --	10
214.	1943 -- July 05, Plane Crash , USAAF B-24E, fog , Green Mt., San Miguel Island, CA--	12
215.	1943 -- Aug 12, Plane Crash , USAAF B-24A, near Indio, CA --	10
216.	1943 -- Oct 01, Plane Crash , U.S. Army Air Force, B-24D, Elk, CA --	10
217.	1943 -- Oct 03, Hauser Creek Wildfire , Cleveland National Forest, So. CA --	11
218.	1943 -- Oct 04, Plane Crash , USAAF, B-24D, Army Air Base, Blythe, CA --	10
219.	1943 -- Oct 14, Plane Crash , USAAF, B-24D, Neighbours, CA --	10
220.	1943 -- Oct 15, Plane Crash , USAAF B-24E near Army Air Base, Blythe, CA --	10
221.	1943 -- Oct 29, Plane Crash , USAAF B-24E, Cucamonga Peak, Fontana, CA --	10
222.	1944 -- Cerebrospinal Meningitis (CA subset, 2,812 US cerebrospinal meningitis deaths)--	154
223.	1944 -- Jan 02, Plane Breakup , USAAF B-17G, McClellan Field, Sacramento, CA --	13
224.	1944 -- Jan 03, Plane Crash , USAAF B-24J, 25 miles SE of Muroc, CA --	10
225.	1944 -- Jan 20, USN PB4Y-1 Liberator 32163 Crash after takeoff, Camp Kearny, CA--	13
226.	1944 -- Mar 28, Arson Fire , New Amsterdam Hotel, San Francisco, CA --	22
227.	1944 -- Apr 09, Plane Crash , USAAF B-24D, near USMC Air Station, Mojave, CA--	10
228.	1944 -- May 30, USN PB4Y and F4F Collide , Palomar Mt., San Diego County, CA--	12
229.	1944 -- July 04, Planes Collide , USAAF B-24J, near Palm Springs, CA --	10
230.	1944 -- July 17, Munitions Ships Collision/Explosion , Port Chicago, CA --	320-325
231.	1944 -- July 25, USAAF Crash , San Pablo Bay, near Hamilton Field, San Rafael, CA--	10
232.	1944 -- Aug 1, Planes Collide , USAAF B-24's, near Furnace Creek, Death Valley, CA--	17
233.	1944 -- Sep 01, Plane Crash , USAAF B-24J, near Muroc Army Air Field, CA --	10
234.	1944 -- Oct 21, USN LSMs 211/212 Explosion/Fire , Berth 223, LA Harbor, CA --	16
235.	1944 -- Nov 04, Plane Crash , TWA Flight 8, in thunderstorm, near Hanford, CA --	24
236.	1944 -- Nov 08, Train Derailment , Southern Pacific Challenger, near Colfax, CA --	9-10
237.	1944 -- Nov 11, Plane Crash , USAAF C-47B, Strawberry Peak, near Glendale, CA--	12-13
238.	1944 -- Nov 18, Plane Crash , USAAF B-24J, near March Field, Riverside, CA --	11
239.	1944 -- Dec 22, USAAF B-24 Break-up/Crash , Mt. Gleason, La Crescenta, CA --	10
240.	1945 -- Jan 10, Plane Crash in Fog , American Air 6001 ~Burbank-Hollywood, CA--	24
241.	1945 -- Jan 20, Plane Crash , USAAF B-24J, near Muroc Army Air Field, CA --	10
242.	1945 -- Feb 13, USN Air Transport Service crash after takeoff , San Fran. Bay, CA--	24
243.	1945 -- May 12, Plane Crash , USAAF B-24, 30 miles North of Fort Bragg, CA --	11
244.	1945 -- Aug 22, Plane Crash , USN PB4Y-2, into sea, Trng. Flight, off San Diego, CA--	10

California (continued)

245.	1946 – Polio, the year, especially July-Nov (CA subset of 1,845 U.S. polio deaths) --	99
246.	1946 – Mar 3, Plane Crash, American Airlines 6-103, zero visibility, Thing Mt. CA--	25
247.	1946 – Mar 19, Structural failure/crash, USAAF C-47, near Hobart Mills, CA --	26
248.	1946 – Aug 01, Plane Crash, USN PB4Y-2 Privateer, ~Camp Kearny MAAS, CA--11-12	
249.	1946 – Nov 13, Plane Crash, Western Air Lines Flight 23, White Mt., Lebec, CA --	11
250.	1946 – Dec 24, Plane Crash, Western Air Lines Flight 44, Cuyapaipe Mt., CA --	12
251.	1947 – Feb 20, Chemical Explosion, O'Connor Electroplating Works, Los Angeles--	17
252.	1947 – Feb 22, U.S.C.G. PBM-5 Crashes in Mexico on way back to San Diego ⁶³ --	10
253.	1947 – June 22, Tankship Markay petrol. products loading vapor explos., LA CA-10-12	
254.	1948 – Jan 28, Airline Transport Carriers Crash (U.S. INS Charter) ~Coalinga, CA--	32
255.	1949 – July 12, Standard Airlines #897 Hits Mt. in Fog, Approach to Burbank, CA--	35
256.	1949 – Aug 31, Plane Crash, US Navy Martin Mariner PBM-5, off San Diego, CA--	10
257.	1949 – Nov 16, Planes Collide, two USAF B29s, over Stockton, CA --	18
258.	1950 – Aug 05, Plane Crash, USAF Boeing B-29, Travis Air Force Base, CA --	19
259.	1950 – Aug 25, Hospital Ship Benevolence hit/sunk/Fog, M. Luckenbach ~SF, CA-18-23	
260.	1951 – Polio, the year, especially July-Nov (1,551-1,555 polio deaths nationwide) --	156
261.	1951 – Apr 06, Plane Crash, Southwest Airways Flight 7, Refugio Pass, CA --	22
262.	1951 – Aug 24, Plane Crash, United 615, SW of Oakland International Airport, CA--	50
263.	1951 – Nov 27, Plane Crash, US Navy Martin Mariner, San Diego, CA --	11
264.	1952 – Apr 05, USAF B-29 weather plane crash, McClellan AFB, Sacramento, CA--	10
265.	1952 – Apr 18, Plane Crash (Approach), Robin Airlines, Whittier, CA --	29
266.	1952 – July 21, Earthquake, Kern County, CA --	12
267.	1952 – Dec 1, Plane Crash, USAF C47B, Mount San Gorgonio, CA --	13
268.	1953 – Polio (CA subset of 1,450 polio deaths nationwide) ⁶⁴ --	158
269.	1953 – Jan 13, Plane Crash, USAF B-50 SAC Bomber, near Gridley, CA --	12
270.	1953 – Feb 12, Fire, Dynamite Explosion, Hercules Powder Co., near Pinole, CA --	12
271.	1953 – Mar 20, Transocean Air 942 (Military Charter) Crash, NE of Alvarado, CA--	35
272.	1953 – July 9, Rattlesnake Wildfire, Mendocino Nat. Forest, Alder Springs CA --	15
273.	1953 – Oct 29, Plane Crash, British Commonwealth PA, San Francisco, CA --	19
274.	1954 – June 26, Plane Crash, USAF KC97 Stratotanker, Box Springs Mountain, CA--14	
275.	1954 – Oct 06, Plane Crash, USAF B-50, near Willows, Glenn County, CA --	13
276.	1955 – Aug 31–Sep 9, Heatwave/excessive deaths, greater Los Angeles, CA ⁶⁵ --115- 946	
277.	1955 – Dec, Flooding, Feather River Levee Failure, Northern two-thirds of CA --	76
278.	1956 – Jan 22, Train Derailment, Santa Fe RR, Redondo Jct., Los Angeles, CA --	30
279.	1956 – Feb 17, Plane Crash U.S. Navy/Marine Transport, near Niles, CA --	40
280.	1956 – Nov 24, Inaja Wildland Fire, Cleveland National Forest, CA --	11
281.	1956 – Nov 30, Plane Crash, USAF Boeing B-52, Merced (near Ballico), CA --	10
282.	1957 – Jan 29, Tanker SS Jeanny Vapor Explosion, Todds Shipyard, Alameda, CA--	10

⁶³ Listed here in that the crew was stationed at the San Diego Coast Guard Station, where they were headed back to after a “mercy mission” when their plane crashed in “adverse weather conditions” in nearby Mexico.

⁶⁴ CA led the country in polio deaths in 1953.

⁶⁵ Figure 115 refers to reporting by LA Coroner’s Office of deaths directly attributable to heat. Larger number is probably a compilation of daily “above-the-norm” deaths (compared to previous year) reported by the Coroner. At the beginning of the heatwave it was dozens higher than the previous year. At the end it was hundreds. Some source (which the four sources we cite copy) has apparently compiled those figures to obtain 946.

California (continued)

283.	1958 – Feb 01, Planes Collide, USAF C-118A/USN P2V-5F , Norwalk, CA	--	48
284.	1958 – June 16, Migrant Farm Worker Truck Fire (spilled gasoline) Soledad, CA--	14	
285.	1960 – Mar 01, Train and Oil Tank Truck Collision, Fire, Bakersfield, CA	--	14
286.	1960 – July 19, USN Destroyers Ammen & Collett collide, Fog ~Newport Beach CA--	11	
287.	1961 – Jan 06, Fire, Thomas Hotel , San Francisco, CA	--	20
288.	1961 – June 30, Wrong-way, Cal. Speeding pickup hits Cal. Station Wagon, Jean, NV ⁶⁶ -11		
289.	1962 – Dec 26, USN P5M1 Marlin Seaplane Lost at Sea 350M SW of San Diego ⁶⁷ --	13	
290.	1963 – Sep 17, Train hits migrant worker truck-bus, grade-crossing, Chualar, CA ⁶⁸ --	32	
291.	1964 – March 1, Plane Crash/Snowstorm, Paradise Air # 901A , Genoa Peak, NV ⁶⁹ --	85	
292.	1964 – May 23, Samoan Fire-Dance Fire , All Hallows Parish Hall, San Fran., CA	--	17
293.	1964 – Mar 28, Tsunami , Crescent City, CA	--	11
294.	1964 – May 07, Plane Crash/Pilot Shot, Pacific Air 773 , near San Ramon, CA	--	44
295.	1964 – Oct 27, Plane Crash into Commissary , Navy Bomber, El Centro NAS, CA--	12	
296.	1964 – Dec, Flooding , Southern CA	--	40
297.	1964 – Dec, late, Flooding , Del Norte, Siskiyou, Humboldt, Trinity, Mendocino	--	24
298.	1965 – Jun 25, Plane Crash, USAF Boeing KC-135 , El Toro Air Force Base, CA	--	85
299.	1965 – Aug 11-17, Watts Race Riots , Los Angeles, CA	--	34
300.	1966 – Apr 09, Moffett Field USN Orion P-3A Crashes , Pacific 300km off San Diego-11		
301.	1966 – Nov 01, Loop Wildfire , near Angeles National Forest, LA County, CA	--	12
302.	1968 – Mar 07, Wrong-side/intoxicated driver's auto hits Bus, fire , I-15, Baker	--	20
303.	1968 – May 22, Sikorsky Helicopter Break-up/Crash , LA Air, Paramount, CA	--	23
304.	1968 – Dec 15-Feb 1, 1969, A2/Hong Kong/68 Influenza-Pneumonia Epidemic ⁷⁰	--	733
305.	1969 – Jan 13, Plane Crash on Approach, SAS Flight 933 , Santa Monica Bay, CA--	15	
306.	1969 – Jan 18, Plane Crash, United Flight 266 System Failure , Ocean off LA, CA--	38	
307.	1969 – Jan 18-26, Storms, Flooding , Vehicle deaths, Mudslides , Southern CA	--	97-103
308.	1969 – Feb 17, Plane lost, Hawthorne Nevada Airlines Flight 708 , CA	--	35
309.	1969 – May ~31, CA-based Racing Yacht Goodwill wrecks on Reef off Baja , CA	--	9-13
310.	1969 – Dec 22, Jet Crash, U.S. Navy F-8 Jet , Miramar Naval Air Station, CA	--	14
311.	1970 – Jan-Feb, Flooding , Excessive Rain and Snow, Sacramento River, CA	--	18
312.	1970 – May 4, Plane Crash, USAF Convair T-29D , near Hamilton AFB, CA	--	13
313.	1970 – Sep 13, Fire, Ponet Square Hotel , Los Angeles, CA	--	19
314.	1970 -- Sep 22-Oct 4, CA Wildfires (some arson), esp. Laguna Fire, esp. Southern CA-13-16		
315.	1971 – Feb 09, Earthquake , San Fernando (Sylmar), CA	--	65
316.	1971 – Jun 06, Planes Collide, Hughes Air 706/Marine Corps Phantom II , Duarte--	50	
317.	1971 – Jun 24, Gas Explosion, California Water Project Tunnel , Sylmar, CA	--	17
318.	1971 – Jun 27, Plane Crash, Sea Park Airlines, Shelter Cove , CA	--	17
319.	1972 – Sep 24, Plane Crashes into Ice Cream Parlor , Sacramento, CA	--	22
320.	1973 – Feb 07, Plane Crash/Apartment Bldg., Navy Corsair II , Alameda, CA	--	11

⁶⁶ Cross-listed in Nevada where the crash occurred. Listed here in that all the fatalities were from California.

⁶⁷ Plane was based and crewed out of San Diego.

⁶⁸ This was a flatbed truck which had been converted into a bus-like vehicle.

⁶⁹ Cross-listed in CA in that Paradise was a CA airline serving CA passenger trips to Lake Tahoe.

⁷⁰ This is just for the CDC reporting cities: Berkeley, Fresno, Glendale, Long Beach, Los Angeles, Oakland, Pasadena, Sacramento, San Diego, San Francisco, and San Jose.

California (continued)

321.	1973 – Apr 12, Planes Collide, NASA Convair/NAVY P-3C Orion , Sunnyvale, CA--	16
322.	1973 – Nov 03, Driver Heart Attack, Charter Bus Crash , I-880 ~Sacramento, CA --	13
323.	1973 – Nov 15, Fire, Stratford Apartment House , Los Angeles, CA	-- 25
324.	1974 – Jan 19, Farm Labor Bus Crash/Submergence , Blythe, CA	-- 19
325.	1974 – Mar 08, US INS Prison Van Collis./Parked Semi , I-8, Jacumba Mts., CA --	13
326.	1974 – Mar 13, Plane Crash, Sierra Pacific Air Convair CV-440 , Bishop, CA	-- 36
327.	1975 – Jan 09, Planes Collide, Golden West Air #261/Cessna , Whittier, CA	-- 14
328.	1975 – Dec 12, Fire, Apartment Building , San Francisco, CA	-- 14
329.	1976 – May 21, Yuba City High School Bus goes off Cliff , ~Martinez, CA	-- 29
330.	1976 – Dec 20, Fire, Apartment House , MacArthur Park, Los Angeles, CA	-- 10
331.	1977 – Mar 27, KLM/Pan Am Collide, fog , Tenerife AP, Canary Isl., CA victims	-- ~250
332.	1978 – Mar 4-5, Flooding and Mudslides , Southern CA	-- 49
333.	1978 – Sep 25, Planes Collide mid-air, Pacific SW 182/Private , San Diego, CA	-- 144
334.	1979 -- Summer (esp.) Heat (ICD-9, E900 excessive heat code), esp. L.A. County	-- 32
335.	1979 -- Oct 27/28, Mexican General Prosecutor Office Plane Crash , San Ysidro, CA--	10
336.	1979 -- Oct 31, Western Airlines Flight 2605 crash , Mexico City IAP--73 (34 US; CA	29
337.	1980 -- Feb 13-21, Storms, flooding , mudslides, south-coastal, CA ⁷¹	-- 30
338.	1980 -- Summer Heat , esp. counties of Riverside/12 and Imperial/9, CA	-- 43
339.	1981 -- March-April, hospital nurse kills elderly patients , Perris & Banning, CA	-- 12
340.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	-- 44
341.	1981 -- June 26, Converted Bus/motor home fire , I-15, Cajon Pass, ~Victorville CA--	10
342.	1982 -- Jan 3-5, Rainstorms, Land-mudslides , esp. San Francisco Bay Area, CA ⁷²	--31-36
343.	1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196--	25
344.	1982 -- Sep 4, Arson Fire, Dorothy Mae Apartment Hotel , Los Angeles, CA	-- 25
345.	1982 -- Oct 8, Truck Semitrailer collides head-on with church van near Lemoore, CA--	10
346.	1982 -- Oct 17, Private Beechcraft C-45 Parachuting jump plane crash near Taft, CA--	14
347.	1983 -- June-Aug, Heat , deaths in 9 counties, 65 in Riverside County (US total 597)--	29
348.	1983 – Aug 10, Car/Tractor-Trailer Head-on Collision , Hwy 86 ~Coachella, CA --	11
349.	1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228--	53
350.	1984 – July 18, Mass Shooting, James Oliver Huberty, McDonald's , San Ysidro, CA--	21
351.	1984 – Aug 24, Wings West Air & Rockwell Comd. collide , San Luis Obispo, CA--	17
352.	1985 -- Apr-July, Listeria food poisoning ; unpasteurized milk contaminated cheese, esp. LA Co., CA ⁷³ --	85
353.	1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227 ⁷⁴ --	29
354.	1985 – Oct 06, 33-Vehicle Pileup, Brush Fire Smoke , I-5 near Sacramento, CA	-- 10
355.	1986 – Feb, Heavy Rain, Flooding, Levee Failures , Northern half of CA	-- 14
356.	1986 – May 30, Tour Bus Crash , West Walker River, Walker, CA	-- 21

⁷¹ At least eighteen of the 30 deaths were flood-related drownings. There were auto accidents, a plane crash during a storm, and rafting and mudslide deaths. In addition there were at least 3 deaths in central AZ, 1 in UT, and 3 American tourist deaths in Tijuana, Mexico when they were swept away by floodwater.

⁷² Nineteen to twenty-five deaths attributed to slides. Non-slide deaths attributed to drownings, pedestrian killed by vehicle in rainstorm, trees falling into houses, a clean-up accident wherein a bulldozer rolled over killing operator.

⁷³ 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.

⁷⁴ Led the U.S. in loss of life to heat in 1985; GA was next deadliest with 26.

California (continued)

357.	1986 -- Summer Heat , CA (subset of >400 U.S. heat-related fatalities)	--	22
358.	1986 -- Aug 31, Aeronaves de Mexico 498 & Piper collide, Cerritos, CA (15 on ground)--	82	
359.	1987 -- Feb 5, Fishing vessel Fish-n-Fool (LA, CA) capsizes ~Isla De San Martin, MX ⁷⁵	10	
360.	1987 -- Summer Heat , State substate of approximately 387 U.S. heat deaths	--	20
361.	1987 -- Dec 07, Plane Hijacked/Crashed, Pacific SW #1771 , Cayucos, CA	--	43
362.	1988 -- Summer, Heat , esp. Riverside (12) and San Bernardino (4) Counties, CA	--	37
363.	1989 -- Measles , Los Angeles County (17) and San Bernardino County (5)	--	22
364.	1989 -- Feb 19, Las Vegas Flyers Cessna 402 crash , Santa Ana Mts. ~Corona, CA ⁷⁶ --	10	
365.	1989 -- June-Aug (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--	32	
366.	1989 -- Oct 17, Loma Prieta Earthquake , San Francisco Bay Area, CA	--66-68	
367.	1990 -- Jan-Dec, Measles , particularly southern CA	--	56
368.	1990 -- Summer (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--	44	
369.	1991 -- Feb 1, Landing plane (USAir) collides with plane awaiting takeoff, LAX, CA--	34	
370.	1991 -- Mar 16, Reba McEntire band charter plane crash , Otay Mt. ~San Diego, CA--	10	
371.	1991 -- March 21, Planes Collide , US Navy P-3C's, SW off San Diego Coast, CA	--	27
372.	1991 -- Summer (esp.), Heat , ICD-9 E900 code for excessive natural heat/hypothermia--	21	
373.	1991 -- Oct 20, Wildfire/Firestorm , East Bay Hills, Oakland/Berkeley Hills, CA	--	25
374.	1991 -- Nov 29, Dust Storm , Massive I-5 Pileup , Coalinga, CA	--	17
375.	1992 -- April 22, Plane Crash, Perris Valley Aviation (Skydiving) , Perris, CA	--	16
376.	1992 -- April 29-May 4, Riots following Rodney King Verdict , Los Angeles, CA	--53-54	
377.	1992 -- Summer Heat , esp. July-Aug (CA subset of 155 U.S. heat deaths) ⁷⁷	--	37
378.	1993 -- Jan 5-Feb 28, Winter storms ; heavy rain/flooding/landslides, Southern, CA ⁷⁸ --	39	
379.	1993 -- May 3, Arson Fire, Apt./Tenement Bldg. , Burlington Ave., Los Angeles, CA--	10	
380.	1994 -- Jan 17, Northridge Earthquake , Los Angeles vicinity, CA	--71-72	
381.	1994 -- Mar 09, Pickup Truck with 20 illegals wrecks , I-15 near Barstow, CA	--	12
382.	1994 -- Summer esp., Heat (CA subset of 221 U.S. heat deaths) ⁷⁹	--	33
383.	1995 -- Summer Heat (CA subset of 1,563-1,601 U.S. heat-related deaths)	--	38
384.	1996 -- Summer esp., Heat (CA subset of 249 U.S. heat deaths)	--	249
385.	1997 -- Jan 7-18, Winter Snow and Cold , San Diego County Mountains, CA	--	14
386.	1997 -- Mar 23~, Mass Suicide, Heaven's Gate Cult , Rancho Santa Fe, CA	--	39
387.	1997 -- Summer especially, Heat (CA subset of 182 U.S. heat deaths)	--	19
388.	1997 -- Sep 09, Van/Pickup Collide/burn , Hwy 1, ~San Julian Ranch & Lompoc, CA--	11	
389.	1997 -- Nov 16, Highway Collision/Fog , Van and Semi, Mendota, CA	--	11
390.	1998 -- Summer especially, Heat (CA subset of 435 U.S. heat-related deaths)	--	32
391.	1999 -- Summer-Fall especially, Heat (CA subset of 1,050 U.S. heat-related deaths)	--	22
392.	1999 -- Aug 09, Farm Worker Van Collides with Truck , Five Points, CA	--	13
393.	1999 -- Oct 31, EgyptAir 990 goes down off Nantucket Island MA (32 CA passengers) ⁸⁰ --	32	

⁷⁵ Listed here in that this was a California boat with California crew, as well as passengers.

⁷⁶ Cross-listed in Nevada in that the passengers and the pilot lived in Las Vegas, Nevada.

⁷⁷ CA had largest loss-of-life to heat in U.S. in 1992, followed by TX with 20.

⁷⁸ Of the 39 deaths we note, at least 31 were from drowning; 15 of which were immigrants seeking to enter U.S. from Mexico, drowning in Tijuana River. Two deaths were from vehicular accidents on rain-slickened roads. Six others were only described as weather-related. One or more could have been from drowning.

⁷⁹ California had 2nd highest heat mortality in 1994, behind Arizona with 47, and ahead of PA with 22.

⁸⁰ 217 victims total.

California (Continued)

394.	2000 – Jan 31, Alaska Airlines Flight 261 Crash , Off Point Mugu, Ventura Co., CA--	88
395.	2000 – June-Aug especially, Heat , CA (subset of 201 U.S. heat-related deaths)	-- 43
396.	2001 – June-Aug especially, Heat , CA	-- 23
397.	2002 – June-Aug especially, Heat , CA	-- 36
398.	2003 – June-Aug especially, Heat , CA	-- 35
399.	2003 – July 16, Car Collides with Car and Pedestrians , Santa Monica, CA	-- 10
400.	2003 – Oct 25-Nov 4, Arson Wildfires (esp. Cedar, Old Fire, Paradise), Southern CA--22-24	
401.	2003 – Dec 25, Heavy Rain, Landslides/Mudslides , St. Sophia Camp, So. CA	-- 16
402.	2004 – Summer-Fall, Heat , CA	-- 31
403.	2005 – Jan 10, Mudslide , La Conchita, CA	-- 10
404.	2005 – Jan 26, Train hits parked SUV ; Derails; hits parked train, Glendale, CA ⁸¹	-- 11
405.	2005 – Summer-Fall, Heat , CA	-- 55
406.	2006 – esp. July 15-31, Heat , Southern/Central Interior, esp. San Joaquin Val., CA	-- 184
407.	2007 – Spring-Fall, Heat , CA	-- 62
408.	2007 – Oct 20-Nov 9, Wildfires , Southern CA	-- 10
409.	2008 – Summer, Heat , CA (subset of over 350 heat deaths nationwide)	-- 42
410.	2008 – Sep 12, Metrolink 111 and Union Pacific Train Collision , Chatsworth, CA	-- 25
411.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--479-657
412.	2009 – Summer, Heat (CA subset of 402 U.S. heat-related deaths) ⁸²	-- 55
413.	2010 – Spring-Fall, Heat , CA	-- 36
414.	2011 -- Apr-Oct, Heat (CA subset of 605-613 U.S. heat-related fatalities)	-- 22
415.	2012 -- Summer Heat (CA subset of 598 U.S. heat-related fatalities)	-- 45
416.	2013 -- Summer Heat (CA subset of 418 U.S. heat-related fatalities)	-- 47
417.	2014 -- Summer Heat , (esp., though there was one April 16 and one May 3), CA	-- 37
418.	2014 -- Apr 11, FedEx truck hits High School Charter Bus , I-5 near Orland, CA	-- 10
419.	2015 -- Summer Heat , (subset of 339 US heat deaths) ⁸³	-- 38
420.	2015 -- Dec 2, Terrorism, Muslim couple attack, Inland Regional Ctr., San Bernardino, CA--14	
421.	2016 -- Oct 23, Tour Bus runs into Semi , I-10, Indian Canyon near Palm Springs, CA--13	
422.	2016 -- Dec 2, Fire, rave party in warehouse , Fruitvale district, Oakland, CA	-- 36
423.	2017 -- Oct 1 Las Vegas Country Music Show Mass Shooting from hotel, NV ⁸⁴	-- 33
424.	2017 -- Oct 8-14, Wildfires , Northern CA, esp. Sonoma/Napa/Mendocino/Yuma Cntys--42	

Select Other California Loss of Life Events:

1860 – Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	-- 73
1860 – Measles (State subset of 3,900 measles deaths nationwide)	-- 16
1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ⁸⁵	-- 524
1863 – Malaria (probably), Maidu Natives, Pence’s Ranch, Butte County, CA ⁸⁶	-- 30

⁸¹ Driver of the SUV allegedly was going to commit suicide via train collision, but got out prior to impact. Was sentenced to eleven life sentences for murder.

⁸² CA had 2nd highest loss of life to heat in 2009, behind AZ with 156 heat deaths.

⁸³ Tied with TX for 3rd largest loss of life to excessive natural heat. AZ led with 58, followed by TN with 47 deaths.

⁸⁴ Cross-listed here in that 33 of the 58 fatalities were visiting from California homes. Next was Nevada with 7 dead.

⁸⁵ Was the leading reported cause of death in the State and in the U.S. in 1860.

Select Other California Loss of Life Events (continued)

1870 – Tuberculosis (Consumption) (AL subset of ~70,000 TB deaths nationwide)	--	764
1870 – Typhus (State subset of 1,770 typhus deaths nationwide)	--	51
1876 -- July 24, Black Diamond coal mine fire, Nortonville, CA	--	6
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	80
1879 – June-May 1880, “ Malarial Fever ,” (State subset, 20,231 such deaths nationwide)	--	129
1879 – June-May 1880, Meningitis (State subset of 7,481 meningitis deaths nationwide)	--	37
1879 – June-May 1880, Scarlet Fever , especially children (CA subset, 16,388 SF deaths)	--	50
1879 – June-May 1880, Tuberculosis (State subset of 91,270 TB deaths nationwide)	--	1,016
1879 – June-May 1880, Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths)	--	163
1879 – June-May 1880, Whooping Cough (State subset, 11,064 U.S. W.C. deaths)	--	101
1882 – Jan-June, Dec. Smallpox , especially San Francisco, CA (21)	--	24
1890 – Typhoid Fever (subset of ~30,000 typhoid deaths nationwide), San Francisco	--	166
1891 – Jan 5, Steel cable breaks, hoist car falls, Utica Gold Mine, Angels Camp, CA	--	9
1900 – Tuberculosis (subset of 109,750 tuberculosis deaths) and 22,506 CA deaths	--	3,480
1900-04 – Bubonic Plague Epidemic, Greater San Francisco, CA	--	122
1907 – Tuberculosis (CA subset of 76,650 TB deaths nationwide)	--	4,090
1909 -- Jan 19, Stone Canyon coal mine explosion, Chancellor, CA	--	6
1911 – Aug-Oct, Tuberculosis , Statewide CA	--	1,096
1912 – Apr, Tuberculosis , CA	--	420
1914 – Aug-Oct, Polio , especially children	--	25
1915 – Aug-Nov, Polio , especially children	--	19
1916 – Polio , especially children, statewide, CA	--	26
1917 – Polio , esp. June-Sep, especially children (State subset, ≥1,182 U.S. polio deaths)	--	24
1918 – Typhoid Fever (State subset of 9,100 U.S. Typhoid Fever deaths)	--	194
1920 – Diphtheria and Croup (CA subset of 13,395 such deaths, 34 registration states)	--	461
1920 – Measles (CA subset of 7,712 measles deaths in 34 registration states)	--	220
1920 – Scarlet Fever (CA subset of 4,004 scarlet fever deaths in 34 registration states)	--	92
1920 – Tuberculosis of lungs , esp. LA, Oakland, Sacramento, and San Francisco	--	4,935
1920 – Typhoid Fever (CA subset of 6,805 typhoid fever deaths in 34 registration states)	--	166
1930 -- July 14, Fire, Glenn gold mine, Placer County, CA	--	5
1930 – Aug 31, Tsunami , Southern California, Redondo Beach, CA	--	1
1931 – Diphtheria , especially children (State subset, 5,738 U.S. diphtheria deaths)	--	181
1931 – Influenza (CA subset of 31,701 influenza deaths nationwide)	--	806
1931 – Polio , esp. July-Oct, (State subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	51
1934 -- Nov 12, Rohl Connolly granite quarry explosives detonation, Avalon, CA	--	9
1937 -- Feb 19, Detonation of explosives, Walker copper quarry, Walkermine, CA	--	6
1939 – Tuberculosis (CA subset of 61,609 tuberculosis deaths nationwide)	--	3,483
1939 – Whooping Cough (State subset of 3,026 whooping cough deaths nationwide)	--	46
1940 – Polio (State subset of 1,026 polio deaths nationwide) ⁸⁷	--	47
1940 – Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--	3,541
1940 – Whooping Cough (CA subset of 2,926 whooping cough deaths nationwide) ⁸⁸	--	102

⁸⁶ Deaths in a three-week period (Aug 30, 1863 Marysville, CA *Appeal* report). Cook (1976, p. 275) estimates that “at least 100 must have perished” in an extended time-frame. “undoubtedly” from malaria.

⁸⁷ Above State average.

Select Other California Loss of Life Events (continued)

1940 – May 19, Earthquake , Imperial Valley, CA	--	9
1941 – Measles , especially children (CA subset of 2,279 Measles deaths nationwide)	--	10
1942 – Feb 04, Plane Crash , USAAF Martin B-26A , Trinity Alps, NW of Trinity Center, CA--	6	
1942 – Mar 18, Flight of five USAAF Vultee BT-13As Crash , near Techachapi, CA	--	5
1942 – May 15, Plane Crash , USAAF Lockheed A-29 , Pacific, Table Bluff, off Eureka, CA--	7	
1942 – June 01, Plane Crash , US Navy Consolidated PBV-5, Scarper Peak, Half Moon Bay--	7-8	
1943 – Dec 19, Plane Crash , USAAF B-24 , ridge above Richardson Bay, ~Sausalito, CA--	9	
1944 – Influenza , esp. Jan-Apr, Dec (CA subset of 17,320 influenza deaths nationwide)	--	492
1944 – Measles , especially Jan-June (CA subset of 1,923 measles deaths nationwide) ⁸⁹	--	101
1944 – Polio , the year, especially July-Nov (CA subset of 1,070 polio deaths nationwide)	--	39
1944 – Tuberculosis (CA subset of 54,731 tuberculosis deaths nationwide)	--	3,826
1944 – Whooping Cough (CA subset of 1,878 whooping cough deaths nationwide)	--	41
1950 – Measles , especially children (CA subset of 468 measles deaths nationwide)	--	10
1952 – Polio , the year, CA	--	67
1955 – Sep 2, Wildfire , 5 Youths, Fire Cpt., fighting arson brush fire, Puente Hills, CA	--	6
1957 – Jan 31, Planes Collide , DC-7/USAF Scorpion Fighter , School Hit, Sunland, CA	--	8
1960 – Measles , especially children (CA subset of 380 measles deaths nationwide)	--	12
1963 – Dec 14, Dam (Reservoir), Failure , Baldwin Hills , Los Angeles, CA	--	5
1964 – Mar 28, Tsunami , Klamath River, CA	--	1
1964 – Dec 25, USCG Helicopter Crash , 20 miles north of Arcata, CA	--	6
1974 – Aug 06, Bombing , LA Int. Airport, near Pan AM Overseas Check-in, CA	--	3
1976 – July 12, Shooting Rampage , Cal State University Library, Fullerton, CA	--	7
1982 – Mar 31, Avalanche , Alpine Meadows, CA	--	7
1982 – April 7, HazMat Gasoline Truck Collision , Caldecott Tunnel, Oakland CA	--	7
1991 – Measles	--	8
1993 – Nov 2-11, Old Topanga, Urban/ Wildland Fire , (Malibu, CA)	--	3
1996 – July-Aug 15, Heat , Death Valley (4) and Kern County (4)	--	8
1998 – Feb 23, Debris Flow , Castle Rock Canyon, Orange County, CA	--	3
1998 – Feb 24 Debris Flow , Castle Rock/Laguna Beach/Orange County CA	--	2
1998 – June-Aug, Heat , CA	--	7
2003 – July-Aug, Heat , especially San Bernardino County	--	9
2006 – Oct 26, Wildfire , Esperanza fire traps USFS Firefighters, San Jacinto Mts. So. CA--	5	
2009 – May 19-Sep 24, Heat , Death Valley, SF area, El Cerrito, Los Angeles, CA	--	6
2009 – Oct 29, USMC Helicopter/USCG C-130 Collide , near San Clemente Isl., CA	--	9
2010 – Aug 14, Cal 200 Race crash into Crowd, Soggy Dry Lake Bed, Mojave Desert, CA--	8	
2010 – Sep 9, Explosion and Fire , Pacific Gas & Electric Pipeline , San Bruno, CA	--	8
2012 – Apr 02, School Shootings , Oikos University, Oakland, CA	--	7
2014 – Apr 16-July 30, Heat , including Bakersfield, Death Valley, Hanford, Healdsburg	--	8
2014 – May 23, Mass Murder , Univ. of California at Santa Barbara, Isla Vista, CA ⁹⁰	--	6-7

Breakout of **California** Large-Loss-of-Life Events (10 or more fatalities) by Type:

⁸⁸ Above State average.

⁸⁹ Above State average.

⁹⁰ Six students were shot or stabbed to death before the killer shot himself in the head.

- 96 – **Aviation** (Plus **eight** with 5-9 fatalities in “Other.”)
- 70 – **Violence** (Including 3 arsons cross-listed in fire.) Plus 4 – 3 with 7 deaths and 1 with 3.
- 60 – **Maritime and Inland Water craft.**
- 53 – **Disease**, select communicable, especially epidemics (Plus 50 in “Other.”)
- 41 – **Heat.** (Plus 5 years <10 deaths: 8 in 1996, 7 in 1998, 9 in 2003, and 6 in 2009, 8 in 2014.)
- 22 – **Road/Highway/Vehicle.**⁹¹ (Plus **one** with 8 fatalities and one with 7 in “Other.”)
- 16 – **Explosions** (including 3 cross-listed in maritime and **one** with 8 fatalities in “Other.”)
- 15 – **Flooding.** (Includes one cross-listed in Winter Storms.)
- 14 – **Fires, Structural** (including fires in 1906 earthquake)
- 13 – **Rail.** (Includes three railroad crossing events criss-listed in Vehicular/Road/Highway.)
- 10 – **Earthquakes.** (Plus **one** with nine deaths in “Other.”)
- 10 – **Fires, Wildfires.** (Plus **3** – 1 with 6 deaths in 1995; 1 with 8 in 2006. 1 with 3 in 1993.)
- 8 – **Structural Failures** (including dam failures). Plus one dam failure with 5 deaths in Other.
- 5 – **Landslides, Mudslides, Debris Flows.** (Plus one with 5 deaths over two days in “Other.”)
- 4 – **Mining/Tunneling.** (Plus **6** events <10 deaths: 1876, 1891, 1911, 1930, 1934, 1937.)
- 2 – **Winter Weather, Snow and Cold.**
- 1 -- **Avalanche/Snowslide.** (Plus **one** with 7 deaths in “Other.”)
- 1 -- **Dust Storm** (Cross-listed in Vehicular.)
- 1 -- **Food Poisoning.**
- 1 -- **Hurricane/Tropical Storm.**
- 1 -- **Starvation (Donner Party).**
- 1 -- **Tsunami.** (Plus **two** with one death each in “Other.”)

⁹¹ Includes three rail-grade collisions cross-listed in Rail and one event cross-listed in Dust-storm.

CO

Colorado

1.	1849 – Cholera outbreak, Julesburg area, then part of 49ers trail westward ⁹²	--	>10
2.	1857 – Sep 3, Bluewater Creek Massacre, Col. Harney Attacks Sioux Camp, CO	--	85
3.	1864 – Nov 29, Sand Creek Massacre of Cheyenne/Arapaho near Fort Lyon, CO	--	130-150
4.	1874 – Pueblo-area Flooding, CO	--	30
5.	1879 – June-May 1880, Typhoid Fever (CO subset of 23,339 U.S. Typhoid deaths)	--	78
6.	1879 – Sep 29, Meeker Massacre by Utes, White River, Northwestern CO	--	12
7.	1883 – Jan 30, Avalanche, Howard Smith Coal Mine, near Crested Butte, CO	--	~10
8.	1883 – Dec 25, Avalanche (Mendota Slide), Near Telluride, CO	--	13
9.	1884 – Jan 24, Mine Explosion, Crested Butte Coal Mine, Crested Butte. CO	--	59
10.	1884 – Mar 11~, Avalanche, Woodstock, CO	--	~15
11.	1884 – May 30, Cloudburst, Flash flood, cattle camp, Frenchman's Creek, CO	--	11
12.	1884 – Aug 28/29, Fire, Orton's Anglo-American Circus Train, near Greeley, CO	--	10
13.	1885 – Nov 13, Bull Domingo Silver/Gold Mine Dynamite Explos., Silver Cliff, CO	--	10
14.	1889 – Sep 09, Mine Flooding, White Ash Coal Mine Golden, CO	--	10
15.	1890 – Typhoid Fever, esp. Denver (CO subset of ~30,000 U.S. typhoid deaths)	--	275
16.	1891 – July 12, Train Engine and train collide, scalding, near Aspen Junction, CO	--	10
17.	1893 – Jan 10, Mine explosion, Como Coal Mine, King, CO	--	24
18.	1895 – Aug 19, Boiler Explosion/Fire, Gumry Hotel, Denver, CO	--	25
19.	1895 – Aug 29, Mine Flood, Sleepy Hollow Gold Mine, Sleepy Hollow, CO	--	12
20.	1896 – Feb 18, Mine Explosion, Vulcan Coal Mine, New Castle, CO	--	49
21.	1896 – July 24, Flash Floods, Bear Creek and Clear Creek Canyons, Golden, CO	--	29-30
22.	1897 – Sep 03, Mine Explosion, Sunshine Coal Mine, Sunshine, CO	--	12
23.	1897 – Sep 10, Trains Collide, Fire, near Newcastle, CO	--	30
24.	1898 – July 1-Oct 25, Typhoid Fever, Denver, CO	--	20
25.	1899 – Feb 12, Avalanche, Silver Plume, CO	--	10
26.	1900 – Typhoid Fever (CO subset of 35,379 typhoid fever deaths nationwide)	--	222
27.	1901 – July 4, Strike Riot, Dynamite Explosion, Smuggler Mine, Telluride, CO	--	15
28.	1901 – Nov, 20, Smuggler-Union Gold Mine Suffocation, Pandora, CO	--	28
29.	1902 – Feb 28, Snow Slide, Liberty Bell Mine, Near Telluride, CO	--	19
30.	1902 – Aug 07, Mine Explosion, Bowen Coal Mine, Bowen, CO	--	13
31.	1904 – Jan 26, Mine Cage Fall, Stratton Independence Gold Mine, Victor, CO	--	15
32.	1904 – June 6-8, Labor Bombing/Shooting, Cripple Creek, Teller County, CO	--	21
33.	1904 – Aug 07, Wood Bridge/Trestle fails under Train, Eden/Pueblo, CO	--	~83-116
34.	1904 – Oct 28, Mine Explosion, Terico Coal Mine, Terico, CO	--	19
35.	1906 – Feb 19, Mine Explosion, Maitland Coal Mine, Walsenburg, CO	--	14
36.	1906 – Feb 29, Avalanche, Mace, CO	--	60
37.	1906 – Mar 16, Trains Collide, Denver & R.G. Passenger, Adobe, CO	--	22
38.	1906 – Mar 18-19, Snow Storm, Avalanches, CO	--	16
39.	1906 – Apr 22, Mine Explosion, Cuatro Coal Mine Tercio, CO	--	18
40.	1907 – Typhoid Fever (CO subset of approximately 13,000 deaths nationwide)	--	400

⁹² Our number extrapolating from Colorado Dept. of Health document on *Health in Colorado: The First One Hundred Years* (1969, p. 2) which writes: "One of Colorado's first recorded epidemics occurred in 1849, when an outbreak of cholera snuffed out many lives in the Julesburg area. Drainage wells in that area were polluted by the first wagon trains heading west over the Oregon Trail."

Colorado (continued)

41.	1907 – Jan 23, Mine Explosion , Primero Coal Mine, Primero, CO	--	24
42.	1909 – Jan 15, Train Collision , Denver and Rio Grande RR, Dotsero, CO	--	21
43.	1909 – Aug 14, Head-on Train Collision , near Husted, CO	--	10
44.	1910 – Jan 31, Mine Explosion , Primero Coal Mine, Primero, CO	--	75
45.	1910 – Oct 08, Coal Mine Dust Explosion , Colorado Fuel Co., Starkville, CO	--	56
46.	1910 – Nov 08, Coal Mine Explosion , Victor American No. 3, Delagua, CO	--	79
47.	1910 – Dec 14, Leyden Coal Mine Fire , Leyden, CO	--	10
48.	1911 – Feb 09, Cokedale Coal Mine Disaster , Trinidad, CO	--	17
49.	1912 – Jun 18, Mine Explosion , Hastings Coal Mine, Hastings, CO	--	12
50.	1913 – Dec 16, Mine Explosion , Vulcan Coal Mine, New Castle, CO	--	37
51.	1914 – Apr 20, Ludlow Massacre (CO NG Attacks Striking Coal Miners) , CO	--	18-25
52.	1917 – Apr 27, Mine Explosion , Hastings Coal Mine, near Trinidad, CO	--	121
53.	1918-1919, Influenza and Pneumonia Epidemic , CO		7,738-9,301
	1918 – Influenza and Pneumonia Epidemic, CO	5,762-6,938	
	1919 – Influenza and Pneumonia Epidemic, CO	1,976-2,363	
54.	1919 – Mar 31, Mine Explosion , Empire Coal Mine, Aguilar, CO	--	13
55.	1919 – Aug 18, Mine Gas Explosion , Oakdale Coal Mine, La Veta, CO	--	18
56.	1920 -- Influenza and Pneumonia Epidemic , CO	--	2,718
57.	1920 -- Smallpox (CO subset of 508 smallpox deaths in 34 registration states)	--	10
58.	1920 -- Typhoid Fever (CO subset, 6,805 typhoid fever deaths, 34 registration states)--		87
59.	1920 -- Whooping Cough (CO subset, 10,968 whooping cough deaths, 34 reg. states) ⁹³ --		250
60.	1920 – Sep 06, Trains Collide , Denver & Interurban RR, ~ Globeville, CO	--	13
61.	1921 – Jun 02, Levee Failures/Drowning , Arkansas River, Pueblo County, CO	--	120
62.	1922 – Mar 24, Coal Mine Explosion , Sopris No. 2 Coal Mine, Sopris, CO	--	17
63.	1923 – May 05, Mine Gas Explosion , Southwestern Coal Mine, Aguilar, CO	--	10
64.	1924 – Aug 10, Tornado , Thurman (Washington, Kit Carson Counties), CO	--	10
65.	1926 – Sep 05, Train Derailment , near Waco, CO	--	30
66.	1927 – Polio (acute) esp. late Summer and Fall (CO subset, 2,013 U.S. polio deaths)	--	15
67.	1928 – Apr 20, Fire , Alexander Industries Plane Plant, Englewood, CO	--	11
68.	1929 – July 18, Flash Flood , Bridge Down, Train Wreck, Stratton, CO	--	10
69.	1935 – May 30, Downbursts and Flash Floods , CO	--	26-27
70.	1942 – Jan 27, Mine Explosion (Gas), Wadge Coal, Mount Harris, CO	--	34
71.	1943 – Jan 24, Plane Crash , U.S. Army Air Force B-17, near Ordway, CO	--	10
72.	1943 – July 19, Plane Crash USAAF B-24E, Taylor Canyon, 27M NE of Gunnison, CO--		11
73.	1943 – July 28, Plane Crash , U.S. Army AF B-24E Structural Failure, Adena, CO	--	12
74.	1943 – Aug 16, Plane Crash , U.S. Army Air Force B-24E, near Pueblo, CO	--	10
75.	1943 – Aug 27, Plane Crash , USAAF B-24, Cheyenne Mt., near Peterson Field, CO	--	10
76.	1943 – Sep 28, Plane Crash , U.S. Army Air Force B-24H, near Fountain, CO	--	11
77.	1943 – Sep 30, Plane Crash , U.S. AAF B-24H, near Villa Santa Maria Del Norte, CO--		11
78.	1943 – Nov 3, Plane Crash , U.S. Army Air Force, B-24J, near Pueblo, CO	--	10
79.	1944 – Feb 26, Plane Crash , U.S. Army Air Force B-17, near Palmer Lake, CO	--	10
80.	1944 – June 29, Plane Crash , U.S. Army Air Force B-24D near Tobe, CO	--	10
81.	1944 – Aug 9, Plane Fire/Crash , U.S. Army Air Force B-24J, near Kiowa, CO	--	10

⁹³ With 26.4 deaths per 100,000 population, CO had highest death toll of 34 registration states; average was 12.5.

Colorado (continued)

82.	1944 – Aug 21, Planes Collide, U.S. Army Air Force B-24J's , near Model CO	--	18
83.	1945 – July 8, Plane Crash, USAAF B-29 , Structural Failure, 20M ~ Pueblo AAB, CO--		13
84.	1951 – Polio , especially July-Nov (1,551-1,555 polio deaths nationwide)	--	50
85.	1951 – June 30, Plane Crash, United Flight 610 , Crystal Mt, near Ft. Collins, CO	--	50
86.	1951 – Sep 15, Stunt Plane Crash, Airshow , Flagler, CO	--	20
87.	1952 – April 8, Plane Crash, U.S. Air Force B-25 , Golden Peak, near Golden, CO	--	11
88.	1952 – Nov 25-26, Winter Storm (subset of approximately 38 deaths nationwide)	--	11
89.	1955 – Nov 1, Mass Murder, United Air #629 Blown Up near Denver, CO	--	44
90.	1956 – Sep 24, Plane Crash, USAF C-47, Mount Yale , near Buena Vista, CO	--	12
91.	1957 – June 11, Train hits Farm Worker Truck at RR Crossing, Vroman, CO	--	12
92.	1961 – July 11, Plane Crash/Fire, United Air #859 Landing , Stapleton, Denver, CO--		18
93.	1961 – Dec 14, Collision, Railroad crossing, Train and School Bus , Auburn, CO	--	20
94.	1965 – June 14-22, Intense Rainfall, Flooding , South Platte and Ark. River basins, CO--		24
95.	1970 –Oct 2, Plane Crash, Golden Eagle Aviation, WSU FB team, w. of Silver Plume CO--		32
96.	1976 – July 31, Flash Flood , Big Thompson, CO	--	144
97.	1980 -- March 27, Lufkin Inc., Beechcraft plane crash (icing), fire , near Parker, CO--		10
98.	1981 -- Apr 15, Dutch Creek No. 1 methane/coal dust mine explosion , Redstone, CO--		15
99.	1981 – Apr 17, Planes Collide, Air US 716 & Sky West Parachute , Loveland, CO	--	15
100.	1985 -- Dec 16, Gas Explosion , Rocky Mt. Natural Gas Co., Glenwood Springs, CO--		12
101.	1987 -- Nov 15, Continental Airlines Flight 1713 DC-9 takeoff crash , Denver, CO--		28
102.	1991 -- March 3, Plane Crash, United Airlines Boeing 737 , Colorado Springs, CO--		25
103.	1991 – March 4, Fire, Crystal Springs Estates Boarding Home , Colorado Springs--		10
104.	1994 – July 6, South Canyon Wildfire , Storm King Mt., Glenwood Springs, CO	--	14
105.	1997 – Oct 24-25, Blizzard , CO	--	10
106.	1999 – April 20, Columbine High School Shooting , Columbine, CO ⁹⁴	--	13-15
107.	2001 – Jan 27, Charter Plane Crash, OK St U. Basketball Members , Strasburg, CO--		10
108.	2001 – March 29, Avjet Corp. Gulfstream III charter crash on approach, Aspen, CO--		18
109.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--	70-82
110.	2012 – July 20, James Holmes Mass Shooting , Century 16 Theater, Aurora, CO	--	12

Colorado Select Other Loss of Life Events:

1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	33
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	196
1879 – June-May 1880, “Malarial Fever,” (CO subset, 20,231 such deaths nationwide)	--	25
1879 – June-May 1880, Measles , esp. children (CO subset, 8,254 measles deaths)	--	60
1879 – June-May 1880, Scarlet Fever , esp. children (CO subset, 16,388 SF deaths)	--	34
1890 – Diphtheria and Croup (CO subset of 41,677 deaths nationwide)	--	146
1890 – Jan-Feb, Influenza (La Grippe/Russian Flu) , Denver, CO	--	199
1900 – Tuberculosis (7,428 CO deaths all causes) (subset of 109,750 tuberculosis deaths)--		874
1907 – Scarlet Fever , especially Denver, CO (CO subset of 4,309 deaths nationwide)	--	229
1920 – Diphtheria and Croup (CO subset of 13,395 such deaths in 34 registration states)--		138
1920 – Measles (CO subset of 7,712 measles deaths in 34 registration states)	--	220

⁹⁴ Two seniors killed 12 students and 1 teacher before committing suicide; thus 13 victims and 15 total deaths.

Colorado Select Other Loss of Life Events (continued)

1920 – Scarlet Fever (CO) subset of 4,004 scarlet fever deaths in 34 registration states)	--	42
1927 – Nov 21, Colorado Rangers shoot striking miners , Columbine Mine, Serene, CO--		6
1931 – “Epidemic Cerebrospinal Meningitis ,” ⁹⁵ (CO subset, 2,832 US meningitis deaths)--		31
1931 – Influenza (CO subset of 31,701 influenza deaths nationwide)	--	392
1931 – Measles , especially children (CO subset, 3,576 measles deaths nationwide)	--	50
1935 – March 12-25, “Suffocating” Dust Storm , Southeast CO	--	6
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (CO subset of 1,997 U.S. diphtheria deaths)	--	28
1939 – Influenza and Pneumonia (CO subset, 99,097 U.S. influenza/pneumonia deaths)--		1,154
1939 – Tuberculosis (CO subset of 61,609 tuberculosis deaths nationwide)	--	499
1939 – Whooping Cough (CO subset of 3,026 whooping cough deaths nationwide)	--	50
1940 – Influenza and Pneumonia (CO subset of 92,525 U.S. flu and pneumonia deaths)	--	976
1940 – Polio , especially children (CO subset of 1,026 polio deaths nationwide)	--	12
1940 – Tuberculosis (CO subset of 55,576 tuberculosis deaths nationwide)	--	458
1940 – Whooping Cough (CO subset of 2,926 whooping cough deaths nationwide)	--	31
1941 – Measles , especially children (CO subset of 2,279 measles deaths nationwide)	--	18
1944 – Cerebrospinal Meningitis (CO subset, 2,812 US cerebrospinal meningitis deaths)--		24
1944 – Influenza (CO subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	158
1944 – Measles , especially Jan-June (CO subset of 1,923 measles deaths nationwide)	--	26
1944 – Tuberculosis (CO subset of 54,731 tuberculosis deaths nationwide)	--	419
1944 – Whooping Cough (CO subset of 1,878 whooping cough deaths nationwide)	--	27
1949 -- Jan 2-5, Blizzard and Extreme Cold , especially northern CO	--	7
1950 – Measles , especially children (CO subset of 468 measles deaths nationwide)	--	10
1951 – Tuberculosis , CO	--	200
1962 – Jan 21, Avalanche hits two homes, Twin Lakes, near Leadville, CO	--	7
1979 -- July 30, Hailstorm , 3-month girl hit in head, dies Aug 7, Fort Collins, CO	--	1
1979 -- Oct 31~, Winter Snow Storm , CO poisoning in car/2, semi’s collide/3, rockslide/1--		6
1981 -- Nov 14, hazardous material tanker sideswipes truck , explodes ~Canon City, CO ⁹⁶ --		8
1987 – Sep 28, Bird Strike and Plane Crash , USAF B1-B, La Junta, CO	--	3
2007 – Oct 2, Fire , 1,000 deep tunnel at Xcel hydroelectric plant, Georgetown, CO	--	5
2008 – July 24, Lightning , Colorado State University, Fort Collins, CO	--	2
2011 -- Aug-Oct, Listeriosis food poisoning; cantaloupes; packing facility ~Holly, CO	--	9
2013 – Apr 20, Avalanche , snowboarders, west flank Mt. Sniktau ~Loveland Pass, CO	--	5
2013 – Sep 11-12, Flooding , Front Range area in and near Boulder, CO	--	8

Breakout of Colorado Large Loss of Life Events (10 or more fatalities) by Type:

- 30 -- **Mining**. (Includes two that were miner-related conflicts.)
- 26 -- **Aviation**. (Plus one with 3 fatalities in “Other.”)
- 14 -- **Disease**, select communicable, especially epidemics. (Plus 31 in “Other.”)
- 11 -- **Rail** (Two, however, are road-crossing collisions, cross-listed in “Vehicular.”)
- 9 -- **Floods**. (Plus one with 8 fatalities in 2013 in “Other”)
- 9 -- **Fog as contributing factor**.

⁹⁵ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁹⁶ Gasoline tanker ruptured/exploded burning to death all 6 passengers in nearby car. Two truck fatalities.

- 9 -- **Violence.** (Plus **one** with 6 fatalities in “Other.”)
- 7 -- **Avalanche/Snowslides.** (Plus **two** – one with 7 fatalities and one with 5 in “Other.”)
- 4 -- **Fire, structural** (one cross-listed with explosion; one as circus train fire). In 2007, 5 deaths
- 2 -- **Explosions.**
- 2 -- **Structural Failure.**
- 2 -- **Vehicular--Road/Highway/Railroad Crossings.**
- 2 -- **Winter Weather.** (Plus **2** events >10 deaths: 7 in Jan 2-5, 1949, 6 on Oct 31, 1979.)
- 1 -- **Tornado.**
- 1 -- **Wildfire.**
- 0 -- **Dust Storm.** (But **one** event in March, 1935 with 6 deaths.)
- 0 -- **Lightning.** (But **one** event in 2008 with 2 deaths.)
- 0 -- **Poisoning (unintentional).** (But 9 deaths in 2011, listeriosis food poisoned cantaloupes.)

CT

Connecticut

1.	1633-34 -- Smallpox Epidemic, Native Americans, esp. along Connecticut River ⁹⁷	--100's
2.	1637 -- May 26, Mystic Massacre , English Colonists Attack Pequot Village, CT	-- 700
3.	1643 -- Fall, Dutch/English force assisted by Stamford, CT settlers attack Natives, CT	--18-20
4.	1644 -- Feb, Massacre, Dutch attack Siwanoy's , Petuquapaen, ~Cos Cob, CT ⁹⁸	--500-700
5.	1832 -- July 11-Sep 10, Cholera Outbreak, esp. Hartford and New Haven, CT	-- 32
6.	1833 -- Oct 16, Steamer New England Boiler Explosion , CT River, Essex, CT	--13-20
7.	1838 -- Sep 07, Sloops Alabama, Dread, Caution out of Mystic lost in storm off FL ⁹⁹	-- >20
8.	1849 -- Summer-Winter, Cholera , CT	-- 59
9.	1853 -- May 06, New Haven Train Crash /Norwalk Disaster, South Norwalk, CT	--40-56
10.	1854 -- Mar 02 , Boiler Explosion/Fire, Fales & Gray RR Car Works , Hartford, CT	-- 21
11.	1857 -- Aug 15, Steamers Collide, J.N. Harris Sinks , L.I. Sound, ~Falkland Island, CT	--13-15
12.	1860 -- Smallpox (State subset of 1,263-1,271 smallpox deaths in reporting States)	-- 16
13.	1865 -- Aug 15, Train collision "Fairfield" and Bridgeport, near Bridgeport, CT	-- 11
14.	1867 -- Sep 05, Branch River Bridge Fails, Naugatuck Train Wreck ~Thomaston, CT	-- 10
15.	1869 -- Jan 31, Dam Failures/Flood , Upper/Lower Kohanza/Flint, Danbury, CT	--11-13
16.	1871 -- Nov 22, Steamer City of New London Burns , Norwich, CT	-- 17
17.	1877 -- June 08, Fire, Wall Failure , Sanford & Son's Hat Factory, Bridgeport, CT	--11-13
18.	1878 -- Jan 14, Bridge Failure, Train Crash , CT Western RR, Tariffville, CT	-- 17
19.	1878 -- Aug 09, Tornado , Wallingford, New Haven County, CT	--27-34
20.	1878 -- Sep 28, Steamer Adelphi Boiler Explosion , ~Gregory's Pt. E. Norwalk, CT	--14-15
21.	1880 -- Jun 11, Steamer Narragansett Hit/Burns/Sinks, Fog , off Saybrook, CT	--27-50
22.	1888 -- Mar 11-14, Blizzard , CT	-- 30
23.	1889 -- Feb 17, Park Central Hotel Boiler Explosion & Bldg. Collapse , Hartford, CT	--21-23
24.	1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), especially New Haven, CT	--1,366
25.	1896 -- Feb 06, Train Bridge Failure (workmen die), Pequabuck Riv., East Bristol CT	-- 11
26.	1896 -- Aug 1-11, Heat Wave , Sunstroke, Heat Prostration, especially Hartford, CT	-- 12
27.	1899 -- Aug 06, Train Derailment , Peck's Mill Pond, Oronoque, near Bridgeport, CT	-- 36
28.	1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	-- 30
29.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 47
30.	1903 -- June-Aug (especially first half July), Heat (subset of 520 US heat deaths)	-- 18
31.	1911 -- July 6 & 11, Heat Wave , especially New Haven, CT	-- 24
32.	1911 -- July 11, Train Derailment , Burr Crossing, Bridgeport, CT	-- 14
33.	1913 -- Sep 02, Fog, Trains Collide , North Haven, CT	-- 21
34.	1916 -- Murders, Archer Home for the Elderly , Winsor, New Haven County, CT	-- 10
35.	1916 -- Feb 22, Three Train Collision , near Milford, CT	-- 10
36.	1916 -- Polio Epidemic, especially July-Sep, especially children, Statewide, CT	-- 235
37.	1917 -- Aug 13, Trains Collide , near North Branford, CT	-- 19
38.	1918 -- Sep-Dec, Influenza Epidemic, CT	--7,602-8,630

⁹⁷ There is no definitive figure. However, in the words of Collin Calloway (*Western Abenakis of Vermont, 1600-1800*, 1994, p. 36), "Governor William Bradford of Plymouth Colony reported that one Indian village up the Connecticut River had suffered 'such a mortalitie that of a 1000, above 900 and a half of them dyed....'"

⁹⁸ In dispute – some place the massacre in Westchester County, NY (Dinan. "Historians Sift Clues..." *Greenwich Time*, 3-5-2006.)

⁹⁹ Subset of 38 lives lost in hurricane near Cape Florida, FL.

Connecticut (continued)

39. 1919 – Influenza Epidemic, CT	--1,583-2,367
40. 1919 – Dec 25-29, Wood Alcohol Poisoning, esp. Hartford, also Thompsonville, CT --	17
41. 1920 – Diphtheria and Croup (CT subset, 13,395 such deaths, 34 registration states) ¹⁰⁰	237
42. 1920 – Influenza Epidemic, CT	--3,088
43. 1921 – Feb 22, Trolleys collide head-on, 5-gallon gas can ignites, fire, Shelton, CT ¹⁰¹ --	10
44. 1923 – March 31, Water tank/tower on roof fails, Fuller Brush Co., Hartford, CT --	10-11
45. 1929 ---Jan 13, Fishing Trawler <i>Seiner</i> Lost, Georges Bank, out of New London, CT--	21
46. 1930 – Apr 24, Long Island Sound Freighter <i>Thames</i> Burns, ~Captains Island, CT --	16
47. 1938 – Sep 21, New England Hurricane “Long Island Express,” subset for CT --	97
48. 1941 – Feb 05, Fire, New Haven Quilt and Pad Company, New Haven, CT --	10
49. 1941 – Dec 04, Bridge Failure, Charter Oak Bridge, Hartford, CT --	15
50. 1944 – July 06, Barnum & Ringling Broth. Circus Fire, Stampede, Hartford, CT --	168-169
51. 1945 – Dec 24, Fire, Niles Street Convalescent Hospital, Hartford, CT --	21
52. 1946 – Jan 18, Plane Fire and Crash, Eastern Air Lines Flight 105, Cheshire, CT --	17
53. 1955 – Aug 14-19, Flooding, Hurricane Diane	-- 77
54. 1957 – Jan 24, Fire, M. Baer Dress Company Factory, New Haven, CT --	15
55. 1960 – Mar 2-5, Snowstorm, CT	-- 18
56. 1960 – Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave, CT ¹⁰²	-- 14
57. 1961 – Dec 08, Fire, Hartford Hospital, Hartford, CT --	16
58. 1969 – Apr 06, Fire, Wood-Frame Tenement/Apartment House, Bridgeport, CT --	11
59. 1971 – June 07, Plane Crash, Allegheny Airlines, New Haven, CT --	28
60. 1980 -- Dec 4, Fire, Conference Ctr. at Stouffer’s Inn (possibly arson), ¹⁰³ Harrison, NY ¹⁰⁴ --	13
61. 1982 – June 4-7, Flooding, especially central and eastern CT	--11-12
62. 1982 -- July 5, Arson Fire, Apartment Building, Waterbury, CT ¹⁰⁵	-- 14
63. 1987 – Apr 23, Construction Collapse, L’Ambiance Plaza Apartments, Bridgeport, CT--	28
64. 1991 – Feb 16, Fire (extension cord related), Apartment Bldg., New Britain, CT --	10
65. 1998 -- Sep 2, Swissair 111 crashes attempting emer. landing in Nova Scotia ¹⁰⁶	-- 10
66. 2003 – Feb 26, Fire (set by patient), Greenwood Nursing Home, Hartford, CT --	16
67. 2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--31-35
68. 2011 – Oct 29, Nor’easter Snowstorm, CO poisonings, vehicular, fire, tree falls	-- 10
69. 2012 – Dec 14, Mass Shooting, Sandy Hook Elementary School, Newtown, CT -- ¹⁰⁷	27-28

Select Other Connecticut Loss of Life Events:

1637 – Apr 23, Massacre, Wampanoag and Pequot attack Wethersfield, CT	-- 9
1647 – Influenza, CT (~40-50) and MA (~40-50)	~40-50

¹⁰⁰ Bridgeport, CT had the 4th highest death rate (30.2 per 100,000) among registration cities (average was 15.3).

¹⁰¹ All deaths due to fire and/or suffocation.

¹⁰² Subset of 108-268 lives lost overall.

¹⁰³ 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.

¹⁰⁴ Cross-listed in CT -- 13 of the 26 fatalities were from CT, executives of Arrow Electronics, Greenwich, CT.

¹⁰⁵ Cross-listed in Fire-Structural.

¹⁰⁶ All aboard NY to Geneva flight died (229), of which 117 were U.S. citizens and ten were from Connecticut.

¹⁰⁷ Shooter killed 27 – 20 children, 6 adults at the school, plus his mother at home. Then committed suicide (#28).

Select Other Connecticut Loss of Life Events (continued)

1745 – Typhoid Fever Epidemic, Stamford, CT	--	70
1798 – Aug 25-Oct 28, Yellow Fever Outbreak, New London, CT	--	81
1860 – Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	164
1860 – Measles (State subset of 3,900 measles deaths nationwide)	--	85
1860 – Scarlet Fever (CT subset of 26,402 deaths in 38 Census States & DC)	--	389
1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ¹⁰⁸	--	1,269
1860 – Whooping Cough (State subset of 8,408 whooping cough deaths nationwide)	--	97
1870 – Scarlet Fever , especially children (subset of 20,339 deaths nationwide)	--	286
1870 – Typhoid Fever (State subset of 22,187 typhoid fever deaths nationwide)	--	414
1870 – Whooping Cough (State subset of 9,008 whooping cough deaths nationwide)	--	83
1870 – Tuberculosis (Consumption) (CT subset of about 70,000 TB deaths nationwide)	--	1,218
1870 – Typhus (CT subset of 1,770 typhus deaths nationwide)	--	19
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	138
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	189
1879 – June-May 1880, “ Malarial Fever ,” (CT subset, 20,231 such deaths nationwide)	--	187
1879 – June-May 1880, Measles , esp. children (CT subset, 8,254 US measles deaths)	--	28
1879 – June-May 1880, Meningitis (State subset of 7,481 meningitis deaths nationwide)	--	76
1879 – June-May 1880, Scarlet Fever , esp. children (State subset, 16,388 S.F. deaths)	--	102
1879 – June-May 1880, Smallpox (CA subset of approximately 1,270 smallpox deaths)	--	11
1879 – June-May 1880, Tuberculosis (State subset of 91,270 TB deaths nationwide)	--	1,150
1879 – June-May 1880, Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths)	--	167
1879 – June-May 1880, Whooping Cough (State subset, 11,064 U.S. W.C. deaths)	--	61
1890 – Diphtheria and Croup (subset of 41,677 deaths nationwide)	--	578
1890 – Typhoid Fever (CT subset of ~30,000 typhoid deaths nationwide)	--	331
1892 – May 21, Explosion and Fire , Aetna Pyrotechnic (Fireworks) Co., Hartford, CT	--	5
1897 – Typhoid Fever (subset of approximately 6,000 deaths nationwide)	--	326
1898 – Typhoid Fever (CT subset of >4,700), including 1 st and 3 rd CT Infantry ¹⁰⁹	--	365
1900 – Tuberculosis (15,520 CT deaths all causes) (109,750 US tuberculosis deaths) ¹¹⁰	--	1,529
1900 – Typhoid Fever (State subset of 35,379 typhoid fever deaths nationwide)	--	249
1907 – Influenza (subset of over 10,066 deaths in “registration” areas) ¹¹¹	--	452
1907 – Typhoid Fever (subset of approximately 13,000 deaths nationwide)	--	209
1910 – Polio Outbreak, especially children, CT	--	40
1912 – Oct 03, Train Derails , NY, New Haven & Hartford RR, Westport, CT	--	7
1916 – Diphtheria , especially children	--	187
1917 – Polio , esp. June-Sep, especially children (State subset, ≥1,182 U.S. polio deaths)	--	16
1918 – Typhoid Fever (State subset of 9,100 U.S. Typhoid Fever deaths)	--	75
1920 – Measles (CT subset of 7,712 measles deaths in 34 registration states)	--	135
1920 – Scarlet Fever (CT subset of 4,004 scarlet fever deaths in 34 registration states)	--	75
1920 – Typhoid Fever (CT subset of 6,805 typhoid fever deaths in 34 registration states)	--	57

¹⁰⁸ Was the leading reported cause of death in the State and in the U.S. in 1860.

¹⁰⁹ This number is for Connecticut servicemen dying of typhoid in 1898 in various locations in the U.S.

¹¹⁰ Leading cause of death in Connecticut in 1900, with pneumonia second.

¹¹¹ With death rate of 44.2 per 100,000 population, only Vermont, among registration States, had a higher rate -- 51.5.

Select Other Connecticut Loss of Life Events (continued)

1920 -- Whooping Cough (CT subset, 10,968 whooping cough deaths in 34 reg. states)	--	250
1920 – June 27, Wood Alcohol Poisoning , Hartford, CT	--	4
1921 – Polio (Acute) esp. late Summer-Fall (subset, 1,597 U.S. polio deaths)	--	25
1921 – Nov 27, Fire, Rialto Theatre , New Haven, CT	--	9
1927 – Polio (acute) esp. late Summer and Fall (subset, 2,013 polio deaths nationwide)	--	16
1931 – Influenza (State subset of 31,701 influenza deaths nationwide)	--	260
1931 – Measles , especially children (State subset, 3,576 measles deaths nationwide)	--	38
1931 – Polio , esp. July-Oct, (State subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	97
1939 – Influenza and Pneumonia (State subset, 99,097 US influenza/pneumonia deaths)	--	869
1939 – Tuberculosis (State subset of 61,609 tuberculosis deaths nationwide)	--	561
1939 – Whooping Cough (State subset of 3,026 whooping cough deaths nationwide)	--	22
1940 – Influenza and Pneumonia (State subset of 92,525 US flu and pneumonia deaths)	--	670
1940 – Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--	564
1942 – Feb 11, Plane Crash, USAAF Lockheed A-29 , Bradley Field, East Granby, CT	--	6
1944 – Cerebrospinal Meningitis (2,812 US cerebrospinal meningitis deaths) CT	--	56
1944 – Tuberculosis (State subset of 54,731 tuberculosis deaths nationwide)	--	661
1944 – Whooping Cough (State subset of 1,878 whooping cough deaths nationwide)	--	14
1953 – Polio (State subset of 1,450 polio deaths nationwide)	--	16
1956 – Dec 23, Fire, Downtown Apartment Bldg. , mother, four children, Meriden, CT	--	5
1958 – Jan 07, Winter Storm (snow-related fatalities in 9 localities), CT	--	9
1968 – Dec 1-Jan 11, 1969, A2/Hong Kong Influenza-Pneumonia Epidemic ¹¹²	--	117
1983 – Jan 19, Driver dozes, Semi hits cars/fire, toll booth , CT Turnpike, Stratford, CT	--	7
1983 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 597 US)--	--	5
1983 – June 28, eastbound Mianus River bridge span collapse , I-95, Greenwich, CT	--	3
1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228	--	6
1991 – Aug 19-20, Hurricane Bob , esp. Hartford, New Haven, New London, Windham Co's-5-6		
1992 – Dec 11-12, Nor'easter	--	5
2010 – Aug 3, Workplace shootings , worker kills 8 coworkers/self, Manchester, CT	--	9
2012 – Oct 29-30, Hurricane Sandy , CT (subset of 154-155 U.S. deaths)	--	6
2013 – Feb 8-9, Winter Storm Nemo , Bridgeport, Danbury, New Milford, Prospect, Sheldon ¹¹³	--	5

Breakout of **Connecticut** Large Loss of Life Events (10 or more fatalities) by Type:

- 11 – **Disease**, select communicable, especially epidemics. (Plus 56 in “Other.”)
- 11 – **Rail**. (Includes 1921 event with all deaths from fire; plus one with 7 deaths in “Other.”)
- 10 – **Fire**. (Plus three – one with 9 and two with 5 deaths in “Other.” Does not include 10 fire deaths in 1921 collision of two trolleys.)
- 8 – **Maritime and Inland Water craft**.
- 8 – **Structural Failures** (including dam and bridge failures).
- 7 – **Violence**. (Plus two – one with 4 deaths in 1920, one with 9 deaths in 2010 in “Other.”)
- 5 – **Heat**. (Plus two years <10 deaths: 5 in 1983 and 6 in 1984.
- 4 – **Winter Storms**. (Includes Oct 29 2011 Nor'easter; plus two with 5 deaths each.)

¹¹² Just the CDC reporting cities of Bridgeport, Hartford, New Haven and Waterbury.

¹¹³ Subset of 18 fatalities for Northeast.

- 3 – **Aviation.** (Includes 1998 Canada crash with 10 CT victims.)
- 2 – **Flooding.**
- 2 – **Fog as a contributing factor.** (Cross-listed in Maritime and in Rail.)
- 1 – **Explosion.** (Plus **one** with 5 deaths in “Other.”)
- 1 – **Hurricane.** (Plus **one** with 5-6 deaths in “Other.”)
- 1 – **Tornado**
- 1 – **Wood Alcohol Poisoning.**
- 0 – **Vehicular – Road/highway** (But one with 7 fatalities in “Other.”)

DE

Delaware

1.	1632 – Massacre , Natives attack Fort Zwaanendael (Lewes), first Dutch colony, DE	--	32
2.	1785 – Sep 02, Immigrant Ship <i>Faithful Steward</i> Sinks , Near Cape Henlopen, DE	--	>200
3.	1798 – Yellow Fever Outbreak, Wilmington, DE	--	255
4.	1802 – Yellow Fever Outbreak, Wilmington, DE	--	86
5.	1818 – Mar 19, Explosion , Du Pont Gun Powder Mill, Brandywine, DE	--	40
6.	1832 – Aug 7-26, Cholera Outbreak, New Castle and esp. Wilmington, DE	--	50
7.	1847 – Apr 14, Explosion , Du Pont Powder Works, Brandywine Ri., Wilmington, DE	--	18
8.	1849 – Summer-Fall, especially July, Cholera , especially Wilmington (65), DE	--	95
9.	1850 – Nov 07, Steamboat <i>Telegraph</i> Boiler Explosion , off New Castle, DE	--	15
10.	1863 – Esp. Sep-Nov, Smallpox , Fort Delaware, Delaware City, Confederate POWs	--	~450
11.	1870 – Typhoid Fever (State subset of 22,187 typhoid fever deaths nationwide)	--	91
12.	1878 – Oct 21-23, Hurricane , DE	--	18
13.	1879 – Nov 08, Steamer <i>Champion</i> Collision with Brit. Bark , Cape Henlopen. DE	--	31-32
14.	1881 – Jan-Dec 7, Smallpox , Wilmington, DE	--	118
15.	1888 – Mar 11-14, Blizzard , DE (Maritime)	--	25
16.	1889 – Sep 9-10, Hurricane , DE, Delaware Bay, Delaware Capes	--	50
17.	1890 – Typhoid Fever (DE subset of ~30,000 typhoid deaths nationwide)	--	102
18.	1902 – Aug 20, Explosion , wood digesters, Delaware Pulp Mills, Wilmington, DE	--	17
19.	1903 – Sep 15-17, Hurricane , DE Maritime	--	31
20.	1915 – Apr 03, Storm, <i>Cumberland</i> and 2 Barges Wreck , Cape Henlopen, DE	--	10
21.	1915 – Nov 30, Explos. , Upper Hagley Yard, du Pont Powder Co., ~Wilmington, DE	--	31
22.	1918 – Feb 26, U.S. Naval Tug, <i>Cherokee</i>, Founders, Storm , Delaware Capes, DE	--	30
23.	1918 – May 01, Steamship <i>City of Athens</i> Sinks in Collision off Coast of DE	--	67
24.	1918-1919 – Influenza and Pneumonia Epidemic, DE	--	2,013
	1918 – Influenza and Pneumonia Epidemic, DE	--	1,505
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, DE	--	508
25.	1920 – Scarlet Fever (DE subset, 4,004 scarlet fever deaths, 34 registration states) ¹¹⁴	--	33
26.	1943 – Nov 21, Tanker <i>Altair</i> hit by tanker <i>Bostonian</i>, Fog , off Cape Henlopen, DE	--	20
27.	1957 – Mar 6, Collision, USN Tanker <i>Mission San Francisco</i> & <i>Elna II</i> , Del Riv., DE	--	10
28.	1963 – Sep 22, USAF C-133A Cargomaster Crash , Atlantic SE of Dover AFB, DE	--	10
29.	1996 – Jan 7-8, Snow Storm/Blizzard , DE	--	10
30.	2001 – Jan 03, Single Family Dwelling Fire , Oak Orchard, Sussex County, DE	--	11

Select Delaware Other Loss of Life Events:

1860 – Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	59
1860 – Scarlet Fever (DE subset of 26,402 deaths in 38 Census States & DC)	--	74
1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ¹¹⁵	--	201
1862 -- Jan 15, Train goes into canal at open drawbridge near St. George’s station, DE	--	7
1870 – Tuberculosis (Consumption) (Del. Subset of ~70,000 TB deaths nationwide)	--	296
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	31
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	56

¹¹⁴ DE had highest death rate of 34 reg. states, at 14.7 per 100,000; avg. was 4.6. Wilmington was 24.31 per 100,000

¹¹⁵ Was the leading reported cause of death in the State and in the U.S. in 1860.

Select Other Delaware Loss of Life Events (continued)

1879 – June-May 1880, “Malarial Fever,” (State subset, 20,231 such deaths nationwide) --	20
1879 – June-May 1880, Meningitis (State subset of 7,481 meningitis deaths nationwide) --	19
1879 – June-May 1880, Tuberculosis (State subset of 91,270 TB deaths nationwide) --	200
1879 – June-May 1880, Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths) --	49
1890 – Jan-Feb, Influenza (La Grippe/Russian Flu), Wilmington, DE --	108
1891 – Oct 22, Gale, Fishing Schooner <i>Red Wing</i> breaks in surf, ~Indian River Inlet, DE--	6
1900 – Tuberculosis (3,075 DE deaths all causes) (109,750 US tuberculosis deaths) --	382
1909 -- Feb 22, Trains Collide in Fog , Delmar, DE --	7
1920 – Diphtheria and Croup (DE subset of 13,395 such deaths in 34 registration states)--	27
1920 – Influenza and Pneumonia , DE --	468
1920 – Measles (DE subset of 7,712 measles deaths in 34 registration states) --	36
1920 – Typhoid Fever (DE subset of 6,805 typhoid fever deaths in 34 registration states)--	25
1920 -- Whooping Cough (DE subset, 10,968 whooping cough deaths in 34 reg. states) --	30
1931 – Measles , especially children (State subset, 3,576 measles deaths nationwide) --	20
1962 – May 27, Dover AFB USAF C133 Cargomaster Crash , Atlantic off Dover, DE --	6

Breakout of **Delaware** Large Loss of Life Events (10 or more fatalities) by Type:

- 10 – **Disease**, select communicable, especially epidemics. (Plus 18 in “Other.”)
- 8 – **Maritime and Inland waterways**. (Plus one with six fatalities in “Other.”)
- 4 – **Explosions**
- 3 – **Hurricanes**
- 2 – **Blizzard/Winter Weather**
- 1 – **Aviation** (Plus one event in 1962 with six fatalities.)
- 1 – **Fire, structural**.
- 1 -- **Fog as contributing factor**.
- 1 – **Violence**.
- 0 -- **Rail**. (Train going into canal in 1862 took 7 lives and train collision in 1909 took 7 lives.)

DC

District of Columbia

1.	1814 – Aug 25, Tornado , Washington, D.C.	--	<30
2.	1832 – Aug 18-Oct 1, Cholera Epidemic	--	193-500
3.	1864 – June 17, Explosion/fire , Washington Arsenal, Greenleaf Pt., ¹¹⁶ District of Col.	--	21
4.	1850 – Cholera	--	49
5.	1872 – Smallpox ¹¹⁷	--	75
6.	1880 – Jan-March 20, Smallpox	--	17
7.	1890 – Typhoid Fever , Washington, DC (subset of ~30,000 deaths nationwide)	--	208
8.	1891 – Typhoid Fever , Washington, DC	--	208
9.	1893 – Typhoid Fever , Washington, DC	--	186
10.	1893 – June 9, Building Collapse, Ford's Theater , Washington, DC	--	22
11.	1900 – Typhoid Fever (DC subset of 35,379 typhoid fever deaths nationwide)	--	225
12.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	--	73
13.	1906 – Dec 30, Trains Collide , Terra Cotta (now Fort Totten) Station, Wash. DC	--	53-59
14.	1911 – July 3-10, Heat Wave , DC	--	28
15.	1918-1919 – Influenza and Pneumonia Epidemic , DC	--	3,316
	1918 – Sep-Dec, 1918, Influenza and Pneumonia Epidemic, DC	--	2,572
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, DC	--	744
16.	1920 – Jan-Mar, Influenza and Pneumonia Epidemic , DC	--	749
17.	1922 – Jan 28, Roof Collapse, snow weight , Knickerbocker Theater, Washington, DC	--	98
18.	1930 – Summer, Heat Wave , District of Columbia	--	30
19.	1968 – Apr 4-11, Martin Luther King Jr. assassination rioting , DC	--	9-13
20.	1979 – Apr 11, Fire, Halfway House (Mental Impairment) , Lamont Street, Wash. DC	--	10
21.	1982 – Jan 13, Plane Crash, Air Florida , Potomac River, Washington, DC	--	78
22.	1995 – July 14-31, Heat Waves	--	18
23.	2002 – Oct 2-24, DC Beltway Sniper Killings , Washington DC Metro Area	--	10
24.	2013 – Sep 16, Navy Yard Mass Shooting , Washington, DC ¹¹⁸	--	13

Select Other District of Columbia Loss of Life Events:

1860 – Scarlet Fever (DC subset of 26,402 deaths in 38 Census States & DC)	--	61
1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ¹¹⁹	--	255
1870 – Tuberculosis (Consumption) (DC subset of ~70,000 TB deaths nationwide)	--	442
1882 – Typhoid Fever , Washington, DC	--	120
1885 – Typhoid Fever , Washington, DC	--	124
1886 – Typhoid Fever , Washington, DC	--	125
1887 – Typhoid Fever , Washington, DC	--	116
1888 – Typhoid Fever , Washington, DC	--	168
1881 – Typhoid Fever , Washington, DC	--	67
1883 – Typhoid Fever , Washington, DC	--	92
1884 – Typhoid Fever , Washington, DC	--	76

¹¹⁶ Now part of Fort McNair between the Washington Channel to the west and the Anacostia River to the southeast.

¹¹⁷ Described as an epidemic as it developed over the course of the year – only 2 deaths in Jan and 4 in February.

¹¹⁸ Gunman with mental health issues killed twelve Navy Yard workers before being killed by police.

¹¹⁹ Was the leading reported cause of death in the State and in the U.S. in 1860.

District of Columbia (continued)

1889 – Typhoid Fever, Washington, DC	--	170
1890 – Diphtheria and Croup (subset of 41,677 deaths nationwide)	--	145
1890 – Influenza (La Grippe/Russian Flu) ¹²⁰	--	>100
1892 – Typhoid Fever, Washington, DC	--	183
1897 – Typhoid Fever (DC subset of approximately 6,000 deaths nationwide)	--	121
1898 – Typhoid Fever, Washington, DC	--	182
1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	--	6
1900 – Tuberculosis (6,364 DC deaths all causes) (109,750 US tuberculosis deaths)	--	851
1902 -- June-Aug (especially July) Heat (subset of 290 heat deaths)	--	7
1903 -- June-Aug (especially first half July), Heat (subset of 520 US heat deaths)	--	8
1910 – Polio, especially children, DC	--	16
1907 – Typhoid Fever (DC subset of approximately 13,000 deaths nationwide) ¹²¹	--	111
1916 – Diphtheria, especially children	--	33
1918 – Typhoid Fever (DC subset of 9,100 U.S. Typhoid Fever deaths)	--	48
1920 – Diphtheria and Croup (DC subset, 13,395 such deaths in 34 registration states)	--	63
1920 – Typhoid Fever (DC subset of 6,805 typhoid fever deaths in 34 registration states)	--	29
1920 -- Whooping Cough (DC subset, 10,968 whooping cough deaths in 34 reg. states)	--	18
1931 – “Epidemic Cerebrospinal Meningitis,” ¹²² (DC subset, 2,832 US meningitis deaths)	--	29
1931 – Diphtheria, especially children (DC subset, 5,738 U.S. diphtheria deaths)	--	36
1931 – Measles, especially children (DC subset, 3,576 measles deaths nationwide)	--	13
1932 – July 28, US Military Engages “Bonus Expeditionary Force” Veterans, DC	--	2
1939 – Influenza and Pneumonia (DC subset, 99,097 U.S. influenza/pneumonia deaths)	--	476
1939 – Tuberculosis (DC subset of 61,609 tuberculosis deaths nationwide)	--	498
1940 – Influenza and Pneumonia (DC subset of 92,525 U.S. flu and pneumonia deaths)	--	526
1940 – Tuberculosis (DC subset of 55,576 tuberculosis deaths nationwide)	--	503
1944 – Tuberculosis (DC subset of 54,731 tuberculosis deaths nationwide)	--	547
1988 – Summer Heat	--	8

Breakout of District of Columbia Large Loss of Life Events (10 or more fatalities) by Type:

- 10 – Disease, select communicable, especially epidemics. (Plus 36 in “Other.”)
- 4 – Heat. (Plus four – 6 deaths in 1900, 7 in 1902, 8 in 1903 and 8 in 1988.)
- 3 – Violence.
- 2 – Fire (includes one cross-listed in Explosion – Washington Arsenal explosion of 1864).
- 2 – Structural Failures. (One was roof collapse due to snow weight.)
- 1 – Aviation.
- 1 – Explosion.
- 1 – Rail.

¹²⁰ The DC Health Officer reports an increase of 412 deaths over the previous year, “which may be readily accounted for by reason of the prevalence of acute influenza, or ‘la grippe,’ during the winter and spring months. The principal increase in mortality is shown to have resulted from lung diseases, such as pneumonia, bronchitis, and congestion of the lungs, having as a fore-runner the influenza referred to.” We arbitrarily, but we think conservatively, translate this statement into our estimate of more than 100 influenza-related fatalities.

¹²¹ Just 9 deaths less than Influenza deaths in DC in 1907. (US Census Bureau. *Mortality Statistics 1907*. 1909, 312.)

¹²² “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1 – **Tornado.**

1 -- **Winter Storm.** (Snow weight causes roof collapse.)

1.	1539 ---Sep 16, Napituca Massacre, Hernando de Soto executes Timucuans, No. Cen. FL-30-200	
2.	1565 – Sep 20, Massacre, Spanish troops kill male French colonists, Fort Caroline FL ¹²³ ~140	
3.	1659 – Measles Epidemic, Native Americans, FL	--10,000
4.	1683 – Hurricane , East Coast of FL	-- 496
5.	1758 – Hurricane , St. Marks, FL	-- 40
6.	1765 – Yellow Fever Epidemic, Pensacola, FL	-- 125
7.	1800 -- ~Sep, Revenue Cutter Brig USS <i>Pickering</i> Lost, Gale/Hurricane off FL	--70-105
8.	1820 – Yellow Fever Outbreak, Jacksonville, FL	-- 26
9.	1821 – Aug 1 st , beginning, Yellow Fever Outbreak, St. Augustine, FL	-- 140
10.	1822 – Aug-Dec, Yellow Fever , Pensacola, St. Marks and Fort Barrancas, FL ¹²⁴	--249-271
11.	1825 – Yellow Fever Outbreak, Pensacola, FL	-- 49
12.	1836 – Dec 19, Schooner <i>Dolphin</i> Boiler Explosion , off St. Johns Bar, FL	-- 15
13.	1838 – Sep 07, Hurricane , near Cape Florida, FL	-- 38
14.	1839 ---mid-Aug-Nov 12, Yellow Fever epidemic, St. Augustine; also Pensacola, Tampa≥60	
15.	1841 – Feb 13, Sidewheel Steamer <i>Lamplighter</i> Disabled/Sinks, Storm, East Pass, FL-19-35	
16.	1841 – June-Nov 15, esp. Jul-Oct, Yellow Fever epidemic, multiple locations	--610-1,057
17.	1841 – Nov, Pilot Boat & boat from <i>William Gaston</i> Capsize , Indian River Bar, FL	-- 14
18.	1845 – Feb 08, Steamer <i>Siren</i> Boiler Explosion , below Chattahoochee, FL	-- 9-10
19.	1846 – Oct 12, Great Havana Hurricane , Florida, esp. Keys, East Coast to NY	--60-90
20.	1847 – Summer-Fall, Yellow Fever Outbreak, Pensacola, FL	-- 76
21.	1852 – Cholera Outbreak, Apalachicola, FL	-- 21
22.	1853 – Jul-Oct, Yellow Fever Epidemic, esp. Key West and Pensacola, FL	-- 314
23.	1854 – Yellow Fever Outbreak, Jacksonville, FL	-- 98
24.	1859 – Dec 18, Ship <i>Silas Holmes</i> Founders . vicinity of Florida Keys, FL	-- 33
25.	1862 – Jun-Oct, Yellow Fever Outbreaks, Jacksonville and Tampa, FL	-- 79
26.	1863 – Yellow Fever Outbreak, Pensacola, FL	-- 200
27.	1864 – Feb 20, Atrocity/Confederates kill wounded black U.S. soldiers , Olustee, FL-25-75	
28.	1864 – Dec 22, Military Steamer <i>North America</i> Sinks , Storm off Coast of FL	--197-200
29.	1867 – Yellow Fever , Pensacola, Tallahassee, Tampa and Tortugas, FL	-- 111
30.	1870 – Oct 09, Sternwheel Steamer <i>Mariposa</i> Founders off Coast of FL	-- 36
31.	1870 – Oct 20, Hurricane , Steamer <i>Varuna</i> Capsizes , 35M NE of Jupiter Inlet, FL	--36-72
32.	1871 – Aug 18, Steamer <i>Lodona</i> Grounds , Storm, near Cape Canaveral, FL	-- 21
33.	1873 – Yellow Fever , Forts Barrancas and Jefferson and especially, Pensacola, FL	-- 78
34.	1874 – Yellow Fever Epidemic, Pensacola, Warrington, Woolsey, FL	-- 381
35.	1875 – Mar 19-Aug 11, Yellow Fever Outbreak, Jacksonville, FL	-- 38
36.	1877 – Yellow Fever , Enterprise & St. Augustine, FL	-- 162
37.	1878 – Aug-Oct, Yellow Fever , Fernandina, Jacksonville, Key West, FL	--61-62
38.	1879 – June-May 1880, “ Malarial Fever ,” (State subset, 20,231 US MF deaths)	-- 296
39.	1880 – July 16, beginning of Yellow Fever Outbreak, Jacksonville, FL	-- 34
40.	1880 – Aug 28, City of <i>Vera Cruz</i> Sinks in Hurricane off Mosquito Inlet, FL	-- 68
41.	1882 – Aug-Nov, Yellow Fever , Pensacola, FL	-- 198

¹²³ Today's Jacksonville.

¹²⁴ While we have found references to yellow fever in several locations in 1822, it was epidemic in four – Pensacola, Baton Rouge (60), New Orleans (237-239) and NYC (230-250).

Florida (continued)

42.	1883 – Aug 05-Nov 6, Yellow Fever Outbreaks, Millview & Pensacola, FL	--	46
43.	1887 – Yellow Fever , Sanford, Key West, Tampa, and especially Fernandina, FL	--	631
44.	1888 – Jun-Dec, Yellow Fever Epidemic, MacClenny, especially Jacksonville, FL	--	492
45.	1896 – Sep 28-29, “ Cedar Key ” Hurricane , FL	--	68
46.	1897 – Yellow Fever Outbreak, Fort Barrancas and especially Pensacola, FL	--	82
47.	1899 – Yellow Fever Outbreak, Jacksonville, FL	--	65
48.	1899 – Apr 21, Steamer General Whitney Founders , off St. Augustine, FL	--	17
49.	1903 – Sep 14-15, Hurricane , British steamer <i>Inchulva</i> grounds (9), land deaths (8)--	17	
50.	1904 – Apr 13, Battleship Missouri Magazine Explosion , off Pensacola, FL	--32-34	
51.	1905 – Aug 28, Steamship Peconic Founders off Fernandina, FL	--	20
52.	1906 – Sep 27, Hurricane , especially Pensacola and northwest FL	--	42
53.	1906 -- Oct 18-21, Hurricane, Florida Keys and Maritime , FL	--211-328	
54.	1909 – Oct 11, Hurricane , Keys, FL	--	15
55.	1910 – Smallpox	--	12
56.	1911 – June 24, Drownings , Pensacola, FL	--	10
57.	1918 – Sep-Apr 1919, Influenza and Pneumonia Epidemic , FL	--5,282	
	1918 – Sep-Dec, Influenza and Pneumonia Epidemic, FL	--4,117	
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, FL	--1,165	
58.	1918 – Oct 3, Ships Collide, Lake City & James McGee , American Shoal Light, FL	--	30
59.	1919 – Sep 9-10, Hurricane, Corydon, Grampus, Larimer, Lake Conway, Munisla lost--	127	
60.	1920 – Influenza Epidemic , FL	--	827
61.	1920 – Malaria (FL subset of 3,136 malaria deaths in 34 registration states and DC) ¹²⁵ --	344	
62.	1920 – Jan 26, Storm, Steamer Mielero Sinks off Coast of FL	--	22
63.	1925 -- Dec 1-2, Hurricane off U.S. SE coast, FL	--	60
64.	1926 -- Sep 17–18, Great Miami Hurricane , FL (also Sep 20, FL, AL, MS)	--372-408	
65.	1928 – Sep 16-20, Hurricane and Flood , Great Okeechobee & Southeast FL	--3,000	
66.	1929 – Sep 24-29, Hurricane , FL	--	10
67.	1931 – Malaria (State subset, 2,536 malaria deaths nationwide) ¹²⁶	--	223
68.	1933 – Dec 14, School Bus hit, Atlantic Coast Line Train , near Crescent City FL	--	11
69.	1935 – Sep, Labor Day Hurricane , Florida Keys, FL	--	500
70.	1937 – Jan 28, Tamiami Trail Tour Bus goes into Canal , near Coral Gables, FL	--	17
71.	1942 – June 5, Plane Lost , US Navy PBV-5A #05023, NAS Pensacola over Gulf Mex--	10	
72.	1942 – Nov 11, USN Patrol Plane (Banana River NAS) Crash 5M off Melbourne FL--	9-11	
73.	1943 – Feb 28, USAAF B-26 Bombers (2), Mid-Air Collision , Avon Park, FL	--	11
74.	1943 – Apr 15, Plane Crash , USAAF, Buckingham Army Air Field, Fort Myers, FL	--	11
75.	1943 – Apr 23, Mid-Air Collision , USAAF, B-26C’s, Army Air Base, Venice FL	--	13
76.	1943 – June 12, U.S. Navy Submarine R-12 Sinks Accidentally, Lower FL Keys	--	42
77.	1943 – June 25, Navy Plane Crashes , St. John River near Green Cove Springs, FL	--	13
78.	1943 – July 12, Nitramon test explosion mishap , Eglin Air Force Base, Pensacola, FL--	17	
79.	1943 – July 21, Plane Collision USAAF B-26C’s , near Parrish, FL	--	10
80.	1943 – Oct 03, Plane Crash , USAAF B-17F, Army Air Field, Brooksville, FL	--	11

¹²⁵ In terms of large loss of life to malaria per State, FL was 4th behind MS with 683, LA at 586 and SC at 487 deaths.

¹²⁶ Above State average.

Florida (continued)

81.	1943 – Oct 21, Collision, Tankers <i>GulfBelle & GulfLand</i> , off Lake Worth Inlet, FL	--	88
82.	1943 – Oct 29, Plane Crash, USAAF B-24 , Atlantic off West Palm Beach, FL	--	14
83.	1943 – Nov 19, Plane Crash, USAAF B-17F , near Thonotosassa, FL	--	10
84.	1943 – Dec 22, Plane Crash, USAAF, B-24 , ~Morrison Field, West Palm Beach, FL	--	14
85.	1944 – Influenza (FL subset of 17,320 U.S. influenza deaths), esp. Jan-Apr, Dec ¹²⁷	--	423
86.	1944 – Jan 22, Plane Collision, USAAF, B-17 , Gulf of Mex., ~Little Marco Pass, FL	--	10
87.	1944 – Jan 26, Navy Patrol Plane Crashes , Key West Naval Patrol Station, FL	--	11-12
88.	1944 – Feb 16, Plane Crash, USAAF, B-17F , Wimauma, FL	--	12
89.	1944 – Mar 05, USAAF B24 Explodes/Crashes , Atlantic Ocean, off coast of FL	--	12
90.	1944 – Mar 26, Crash, USAAF, B-24E , near Naval Air Station, Melbourne, FL	--	10
91.	1944 – July 20, Planes Collide, USAAF B-17F's , Brooksville, FL	--	10
92.	1944 – July 30, Plane Breaks-up/Crashes , USAAF B-17G 6 miles from St. Marks, FL	--	10
93.	1944 – Sep 13, Hurricane, USS <i>Warrington</i> Sinks off coast of FL	--	248
94.	1944 – Oct 18, Hurricane , FL	--	18
95.	1944 – Nov 06, USN Planes Collide , St. Johns River near NAS Jacksonville, FL	--	18
96.	1945 – Jan 26, Plane Crash, USAAF B-17G , near Hendricks Field, Sebring, FL	--	10
97.	1945 – Jan 26, USN PB4Y-1 Liberator Landing Crash , ~NAAS Jacksonville, FL	--	11
98.	1945 – Mar 10, USN Plane Lost, Trng. Flight , NAS Jacksonville FL to Bahamas	--	14
99.	1945 – Apr 17, US Navy VB-4 Patrol Plane Crash , Trng. Ex., near Mayport, FL	--	12-13
100.	1945 – Apr 24, Plane Fire/Crash, USAAF B-29A , Gulf of Mexico, off Key West, FL	--	11
101.	1945 – July 13, Plane Crash, USAAF B-24H , 25M ~ Tyndall Field, Panama City, FL	--	13
102.	1945 – July 18, USN PB4Y-2 Privateer Plane Missing , out of NAS Miami, FL	--	15-17
103.	1945 – July 25, Plane Crash, USAAF C-47B , Thunder Storm, 13M ~ to Tampa, FL	--	13
104.	1945 – Aug 9, Plane Crash, USAAF TB-24D ~Buckingham Field, Ft. Myers, FL	--	11
105.	1945 – Sep 12 USN PB4Y-2 Privateer Engine Fire, Crash , ~Master Field, Miami, FL	--	14
106.	1946 – May 10, Planes Collide, 2 US Navy Bombers , Near Munson, FL	--	28
107.	1947 – July 13, Plane Crash, Burke Air Transport , Melbourne, FL	--	14
108.	1947 – Sep 17-19, Hurricane , especially Fort Lauderdale, FL	--	17
109.	1948 – Aug 5, Planes Collide, USN R4D-6 and civilian Stearman , ~NAS Miami, FL	--	10
110.	1950 – June 5, Plane Crash, Westair Transport , ~190 miles off Miami, FL	--	28
111.	1951 – Apr 25, Planes Collide, Cubana Flight 493/US Navy , off Key West, FL	--	43
112.	1953 – Polio (FL subset of 1,450 polio deaths nationwide) ¹²⁸	--	68
113.	1953 – Mar 29, Fire, Littlefield Nursing Home , near Largo, FL ¹²⁹	--	33-35
114.	1953 – July 17, Plane Takeoff Crash/Fire, USMC R4Q "Packet," near Milton, FL	--	44
115.	1955 – Dec 21, Plane Crash, Eastern Air Flight 642 (approach) , Jacksonville, FL	--	17
116.	1958 – Sep 29, Plane Crash, USN Neptune PV-2 Patrol , 22M no. of Key West, FL	--	10
117.	1960 – Sep 9-12, Hurricane Donna , FL	--	13
118.	1962 – Mar 31, Tornado , Milton, Santa Rosa County, FL	--	17
119.	1962 – Aug 18, Overloaded Sunday School boat capsizes , Lake Talquin ~Quincy, FL	--	18
120.	1963 – Feb 4, SS <i>Marine Sulphur Queen</i> Lost off coast of FL	--	39
121.	1963 – Feb 12, Storm/Crash, Northwest 705, Everglades , near Miami, FL	--	43

¹²⁷ Higher than State average.

¹²⁸ Seventh highest death toll, behind CA with 158, NY with 119, MI with 106, IL with 104, OH with 95, MN at 90.

¹²⁹ 32 patients and a nurse died in the fire. A patient on way to a hospital and car driver were killed in an accident.

Florida (continued)

122.	1963 – May 18, Farm worker bus sideswiped by truck , goes into canal, ~Belle Glade, FL--	27
123.	1963 – Dec 29, Hotel Roosevelt Fire , Jacksonville, FL	-- 22
124.	1964 – Feb 03, Plane Crash (takeoff) , South Central Air, Gainesville Airport, FL	-- 10
125.	1965 – Sep 7-10, Hurricane Betsy , Southeast FL (subset of 93-105 U.S. fatalities)	-- 7-13
126.	1965 – Nov 13, SS Yarmouth Castle Fire/Capsizes/Sinks , Miami to Nassau, Bahamas--	90
127.	1966 – Feb 5-6, Kerosene Heater Explodes, Fire , Rooming House, Miami, FL	-- 10
128.	1966 – Apr 04, Tornadoes , Pinellas, Polk, Hillsborough, Osceola Counties, FL	-- 11
129.	1967 – July 16, Riot, Fire, Prison Barracks/Camp , Berrydale, FL	--37-38
130.	1969 – Jun 23, Plane Crash , Dominicana de Aviacion (takeoff), Miami Int. Airport, FL--	10
131.	1969 – Jan 12-25, A2 Hong Kong Influenza-Pneumonia Epidemic ¹³⁰	-- 135
132.	1970 – Aug 03, Hurricane Celia , Drownings off West and Gulf Coast Beaches	-- 14
133.	1972 – Dec 29, Plane Crash, Eastern Airlines Flight 401 , Everglades, FL	-- 101
134.	1975 – June 9, Mattress set on Fire , spreads, Seminole County Jail , Sanford, FL	-- 11
135.	1977 – Oct 02, Amtrak Train hits Pickup Truck at Crossing , Plant City, FL	-- 10
136.	1980 -- Jan 28, collision, tanker <i>Capricorn</i> & USCGC <i>Blackthorn</i> (sinks), Tampa Bay, FL--	23
137.	1980 – May 09, <i>Summit Venture</i> hits Sunshine Skyway Bridge, Collapse , Tampa, FL--	35
138.	1980 -- May 17-18, racial riots after jury acquits police, black beating death, Miami FL--	18
139.	1980 -- Summer Heat , deaths in 14 counties, FL	-- 23
140.	1981 – Mar 27, Construction Failure , Harbor Cay Condominium, Cocoa Beach, FL--	11
141.	1981 – May 26, USN EA-68 Prowler Crash , deck, USS <i>Nimitz</i> , off Jacksonville, FL--	14
142.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), FL--	10
143.	1983 – Apr 30, USN C-131 Eng. Fire/Crash , St. John's Riv., ~Jacksonville NAS, FL--	14
144.	1983 -- Summer Heat (ICD-9, E900 code) 6 counties, esp. Miami-Dade (6); US 597--	15
145.	1984 -- May-Nov, Bobby Joe Long Serial Killings of women, Tampa Bay Area, FL--	≥10
146.	1984 -- Dec 6, Provincetown-Boston Air 1039 takeoff crash , Jacksonville AP, FL	-- 13
147.	1985 -- Jan 20-23, Winter weather, exposure/hypothermia	-- 15
148.	1985 -- Summer Heat (ICD-9, E900 code, excessive heat/hyperthermia) subset of 227--	12
149.	1986 -- Summer Heat , FL (subset of >400 U.S. heat-related fatalities)	-- 19
150.	1987 -- Summer Heat , FL subset of approximately 387 U.S. heat deaths	-- 24
151.	1989 – Dec 23-25, Cold wave and hypothermia and stove/space heated fire deaths --	26
152.	1990 – Jan 24, Farm Worker Van goes into Canal, curve in fog , near Clewiston, FL--	10
153.	1990 – Summer esp., Heat , ICD-9 E900 code for excessive heat and hyperthermia	-- 10
154.	1990 – June 17-18, Violence/Shootings, esp. GMAC (18 th), Jacksonville, FL ¹³¹	--11-12
155.	1992 – Aug 24, Hurricane Andrew , FL, especially southeast Dade County	--89-90
156.	1993 – Mar 12-13 Eastern Seaboard “ Superstorm of 1993 ,” subset for FL	-- 51
157.	1994 – Jan 5, Kimura International Air (charter) crash , near Fort Drum, FL	-- 10
158.	1994 – Nov 13-18, Hurricane/Tropical Storm Gordon , especially FL	-- 11
159.	1995 – Summer Heat (FL subset of 1,563-1,601 U.S. heat-related deaths)	-- 12
160.	1996 – May 11, Plane Crash, ValuJet Flight 592 , cargo hold fire, Everglades, FL	-- 110
161.	1998 – Feb 22-23, Tornadoes , Orange, Osceola, Seminole, Volusia Counties, FL	-- 42
162.	1998 – June-July esp., Heat , esp. Lee Co., also Orange, Sarasota, Volusia counties, etc.--	18

¹³⁰ Just the CDC reporting cities of Jacksonville, Miami, St. Petersburg and Tampa.

¹³¹ 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.

Florida (continued)

163.	1999 – Summer esp., Heat (FL subset of 1,050 U.S. heat-related deaths)	--	15
164.	2001 – Summer esp., Heat (FL subset of 378 U.S. heat-related deaths)	--	17
165.	2001 – June 6-7 and 10-12, Tropical Storm Allison , especially Escambia County	--	10
166.	2002 – Summer esp., Heat (FL subset of 471 U.S. heat-related deaths)	--	14
167.	2003 – Summer esp., Heat (FL subset of 351 U.S. heat-related deaths)	--	18
168.	2004 – March 13-Oct 1, Heat , especially children in vehicles, multiple localities, FL	--	23
169.	2004 – Aug 13-14, Hurricane Charley , especially Charlotte County, FL	--	33-38
170.	2004 – Sep 2-5, Hurricane Frances , FL ¹³²	--	48
171.	2004 – Sep 15-16, Hurricane Ivan , esp. Escambia, Santa Rosa, Calhoun Counties	--	23-39
172.	2004 – Sep 25-28, Hurricane Jeanne and remnants, esp. FL (also GA/SC/NC/VA)	--	22
173.	2005 – Summer Heat (FL subset of 847 U.S. heat-related fatalities)	--	19
174.	2005 – July 10, Hurricane Dennis , FL (Santa Rosa Island landfall)	--	14
175.	2005 – Aug 25, Hurricane Katrina , especially Miami-Dade & Broward Counties, FL	--	14
176.	2005 – Oct 24, Hurricane Wilma , Category 3, Landfall SW Coast of Florida	--	26-37
177.	2005 – Dec 19, Plane Crash, Chalk's Ocean Airways Flight 101 , off Miami, FL	--	20
178.	2006 – Summer Heat (FL subset of 912 U.S. heat-related deaths)	--	16
179.	2007 – Feb 02, Tornadoes , Lady Lake and Lake Mack, Lake County, Central FL	--	21
180.	2007 – Summer Heat (FL subset of 438 U.S. heat-related deaths)	--	10
181.	2008 – Summer Heat (FL subset of 393 U.S. heat-related deaths)	--	13
182.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--	230
183.	2009 – Summer Heat (FL subset of 402 U.S. heat-related deaths) ¹³³	--	24
184.	2010 – Summer Heat (FL subset of 627 U.S. heat-related deaths)	--	19
185.	2012 – Jan 29, Smoke/Haze/ Fog , Interstate 75 Pileup , south of Gainesville, FL	--	11
186.	2012 – Summer Heat (FL subset of 719-725 U.S. heat-related deaths)	--	14
187.	2013 – Summer Heat , FL	--	17
188.	2014 – Summer Heat , FL	--	18
189.	2015 – Mar 10, US Army Blackhawk Helicopter Crash , Gulf off Navarre Beach, FL	--	11
190.	2015 -- Summer Heat , (subset of 339 US heat deaths)	--	16
191.	2015 – Oct 1, U.S. cargo ship El Faro sinks / Hurricane Joaquin , off east Bahamas ¹³⁴	--	18
192.	2016 – June 12 – Shooting/Terrorism/Hate-Crime , Gay Nightclub , Orlando, FL	--	135 50
193.	2016 -- Oct 7-9, Hurricane Matthew & aftermath, FL	--	13
194.	2017 -- Sep 10-11, Hurricane Irma (including 13 CO deaths), multiple counties	--	91

Select Florida Other Loss of Life Events:

1860 –	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	23
1870 –	Typhoid Fever (State subset of 22,187 typhoid fever deaths nationwide)	--	107
1879 –	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	43
1879 –	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	20
1879 –	June-May 1880, Meningitis (State subset of 7,481 meningitis deaths nationwide)	--	37

¹³² Includes Tyler Braden Dorang, 12, death in traffic accident ~Tuskegee, AL while evacuating from Titusville, FL.

¹³³ According to CDC WONDER data, FL had the 4th highest heat loss of life in the country in 2009.

¹³⁴ While there were 33 fatalities -- twenty-eight U.S. nationals and five Polish nationals – 18 U.S. crew lived in FL.

¹³⁵ Shooter shot and killed 49 people before being shot and killed by police – bringing total number of deaths to 50,

Florida Select Other Loss of Life Events (continued)

1879 – June-May 1880, Tuberculosis (State subset of 91,270 TB deaths nationwide)	--	257
1879 – June-May 1880, Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths)	--	101
1879 – June-May 1880, Whooping Cough (State subset, 11,064 U.S. W.C. deaths)	--	50
1898 – Typhoid Fev. (3,064 nationwide), esp. Fernandina, Jacksonville, Miami, Tampa ¹³⁶	--	≥37
1900 – Tuberculosis (6,482 deaths all causes) (109,750 US tuberculosis deaths)	--	557
1900 – Typhoid Fever (State subset of 35,379 typhoid fever deaths nationwide)	--	290
1920 – Diphtheria and Croup (FL subset of 13,395 such deaths in 34 registration states)	--	70
1920 – Measles (FL subset of 7,712 measles deaths in 34 registration states)	--	13
1920 – Typhoid Fever (FL subset of 6,805 typhoid fever deaths in 34 registration states)	--	143
1920 -- Whooping Cough (FL subset, 10,968 whooping cough deaths in 34 reg. states)	--	69
1921 – Mar 23, USN Free Balloon from NAS Pensacola, FL downs in Gulf of Mexico	--	5
1923 – Jan 1-7, Rosewood Rioting , Whites attack Blacks, Rosewood, Levy Co., FL	--	≥8
1931 – Diphtheria , especially children (State subset, 5,738 U.S. diphtheria deaths)	--	73
1931 – Influenza (State subset of 31,701 influenza deaths nationwide)	--	609
1931 – Measles , especially children (State subset, 3,576 measles deaths nationwide)	--	35
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (State subset of 1,997 U.S. diphtheria deaths)	--	31
1939 – Influenza and Pneumonia (FL subset, 99,097 U.S. influenza/pneumonia deaths)	--	1,554
1939 – Malaria (State subset of 1,761 malaria deaths nationwide)	--	109
1939 – Tuberculosis (State subset of 61,609 tuberculosis deaths nationwide)	--	875
1940 – Influenza and Pneumonia (FL subset of 92,525 U.S. flu and pneumonia deaths)	--	1,551
1940 – Malaria (State subset of 1,442 U.S. malaria deaths)	--	98
1940 – Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--	918
1940 – Whooping Cough (State subset of 2,926 whooping cough deaths nationwide)	--	39
1941 – Measles , especially children (FL subset of 2,279 measles deaths nationwide)	--	17
1942 – March 5, Plane Crash, USAAF C-39 , St. Lucie River, Port Sewall, FL	--	7
1942 – April 16, Plane Crash, USAAF Lockheed A-29B , MacDill Field, FL	--	7
1942 – Apr 29, Planes Collide , USAAF B-17E and Curtis P-40E, 9 miles west of Orlando, FL	--	7
1944 – Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	--	43
1944 – Measles , especially Jan-June (State subset of 1,923 measles deaths nationwide)	--	18
1944 – Tuberculosis (State subset of 54,731 tuberculosis deaths nationwide)	--	823
1944 – Whooping Cough (State subset of 1,878 whooping cough deaths nationwide)	--	48
1961 – Sep 24, One-ton stake-body truck (carrying 21) overturns/burns , Jacksonville, FL	--	6
1972 – June 18-19, Tornadoes spawned by Hurricane Agnes , especially Okeechobee Co.	--	9
1972 – Dec 16, Rescue Helicopter Lost , USCG, Gulf of Mexico, off coast of FL	--	8
1978 – Feb 26, Train Derailment, Fog, Chlorine Release , Youngstown, FL	--	8
1979 – Sep 3-4, Hurricane David , especially east coast	--	6
1982 – Aug 20, Rampage shooting (8), mentally disturbed man (killed), Miami, FL ¹³⁷	--	9
1986 – Jan 28, Challenger Space Shuttle Break-up (O-Ring) Cape Canaveral, FL	--	7
1988 – Summer Heat	--	7
1995 – Aug 02, Hurricane Erin , Central and Panhandle FL and off FL Coast	--	8
1999 – Summer, Heat, FL	--	5
2006 – Apr 7, Fire , Residential, Propane lantern ignites mtl. In mobile home, Jacksonville, FL	--	6

¹³⁶ This number is for identified servicemen dying of typhoid in Florida. There were undoubtedly more such deaths.

¹³⁷ Cross-listed in Violence subset of Mass Murder-Mass Shootings.

2011 – Summer esp., **Heat**, FL (subset of 589-602 U.S. heat fatalities) -- 4-6
 2012 – **Fungal Meningitis due to tainted steroid injections**, FL -- 7

Breakout of Florida Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 48 – **Aviation**. (Plus 6 with 5-8 fatalities each.)
- 39 – **Disease**, select communicable, especially epidemics. (Plus 29 in “Other.”)
- 35 – **Hurricanes**. (Plus two—one 8 and one with 6 fatalities in “Other.”)¹³⁸
- 28 – **Maritime/Boating**.
- 24 – **Heat**. (Plus 3 events less than 10 deaths: 7 deaths in 1988, 6 in 2011, and 5 deaths in 1999.)
- 8 – **Violence**. (Plus one with 9 fatalities, including gunman, and one with eight in “Other.”)
- 6 – **Vehicular/Road/Highway**. (Plus one with six fatalities in “Other.”)
- 5 – **Fire, structural**. (Plus one in 2006 with 6 fatalities in “Other.”)
- 4 – **Tornadoes**. (Plus one Hurricane Agnes spawned outbreak with 9 fatalities in “Other.”)
- 3 – **Winter Storms**.
- 2 -- **Fog as contributing factor**. (Cross-listed in Highway/Road/Vehicular.)
- 2 – **Rail** – both were railway and road crossings involving vehicles.
- 1 -- **Carbon Monoxide Poisoning**.
- 1 -- **Swimming Drownings**.
- 1 – **Explosion**.
- 1 -- **Flooding**. (Cross-listed with Hurricane for the Lake Okeechobee flooding in 1928 storm.)
- 1 – **Structural Failure**.

¹³⁸ Hurricane Agnes in June of 1972 spawned tornadoes that killed nine people.

GA

Georgia

1.	1804 -- Sep 7-8, Hurricane , esp. greater Savannah, coastal GA land and maritime ¹³⁹	-- >217
2.	1808 -- Sep 5-Oct, Yellow Fever Epidemic, St. Mary's, GA	-- 84
3.	1811 or 12 -- Oct 05, USS Gun Boat # 2, Sinks in Gale off St Mary's GA	-- 40
4.	1820 -- May-Dec, Yellow Fever Epidemic, Savannah, GA	--669-700
5.	1824 -- Sep 14-15, Hurricane , GA	-- 100
6.	1828 -- Yellow Fever Outbreak, Fort Oglethorpe, GA	-- 10
7.	1839 -- Fall, Yellow Fever Epidemic Augusta, also in Savannah, probably elsewhere	-- ≥208
8.	1852 -- Yellow Fever Outbreak, Savannah, GA	-- 19
9.	1852 -- Jan 09, Steamboat Magnolia Explodes , St. Simon's Island, GA	-- 13
10.	1854 -- July, Cholera Outbreak, Burke County, GA	-- ~50
11.	1854 -- Aug 5-Oct, Yellow Fever Outbreak, Savannah, GA	-- 580
12.	1859 -- Dec 31, Train and Bridge Disaster , near Columbus, GA	-- 14
13.	1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths-423	
14.	1860 -- Typhoid Fever (subset of 19,236 deaths in 38 "registration" States and DC) ¹⁴⁰ --	887
15.	1860 -- Whooping Cough (GA subset of 8,408 whooping cough deaths nationwide)	-- 334
16.	1864 -- Sep 01, Confederate Wounded Train Collision , Barnesville, GA	-- ~ 30
17.	1865 -- Oct 25, Steamer Republic (former USS <i>Tennessee</i>) Founders ~Savannah, GA	-- 34
18.	1866 -- Jan (late), Fire, Jail and City Guard House , Marietta, GA	-- 13
19.	1866 -- July 25 & week ending Sep 19, Cholera Outbreak, Savannah, GA	-- 80
20.	1866 -- Jan 09, Steamer Asher Ayres Burns , Altamaha River, Darien, GA	-- 6-12
21.	1866 -- Oct 03, Steamer Evening Star Founders in Storm, off Tybee Island, GA	--247-261
22.	1870 -- Croup (GA subset of 10,692 deaths nationwide)	-- 356
23.	1870 -- Measles (GA subset of 9,237 measles deaths nationwide)	-- 270
24.	1870 -- Aug 21 start, Yellow Fever Epidemic, Brunswick, GA	-- 112
25.	1875 -- Mar 20, Tornadoes , eleven counties	-- 87-102
26.	1875 -- May 1, Tornadoes , esp. Harris, Talbot, Troup, Meriwether, Greene Counties	--40-53
27.	1876 -- Aug 21-Dec 1, Yellow Fever , Brunswick, Isle of Hope, esp. Savannah, GA	--1,184
28.	1877 -- Apr 13, Steamer Leo Burns 83 miles south of Tybee Light, GA	-- 23
29.	1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 US croup deaths)--	721
30.	1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	-- 588
31.	1879 -- June-May 1880, " Malarial Fever ," (GA subset, 20,231 such deaths U.S.)	--1,058
32.	1879 -- June-May 1880, Measles , especially children (GA subset, 8,254 measles deaths)--	496
33.	1879 -- June-May 1880, Typhoid Fever (GA subset of 23,339 U.S. Typhoid deaths)	-- 656
34.	1879 -- June-May 1880, Whooping Cough (GA subset, 11,064 U.S. W.C. deaths)	-- 650
35.	1882 -- Mar 27, Tornadoes , Jones, Randolph, Terrell, Lee, Sumter Counties, GA	-- 11
36.	1882 -- Apr 3-July 14 (46 dead), Dec 14 th 2 nd outbreak (17 dead), Smallpox , Atlanta, GA--	63
37.	1883 -- Apr 22, Tornado , Terrell, Webster and Sumter Counties, GA	-- 10
38.	1883 -- Apr 23, Tornadoes , Oglethorpe/Baker/Dougherty/Worth/Greene Cts. GA	-- 11
39.	1884 -- Feb 19, Tornadoes , Multiple (~24) Counties, GA	--64-223

¹³⁹ If sources we consult are accurate as to approximately 500 or over 500 fatalities in GA and SC (land and we assume maritime), then it is probably the case that many more than 217 lives were lost in GA. We have identified thirteen Charleston and vicinity fatalities, though this must be a great under-count. Over 100 slaves were reported to have drowned on Hutchinson Island alone. [See write-up linked to via the Spreadsheet.]

¹⁴⁰ Second leading cause of death in the State this year, behind pneumonia.

Georgia (continued)

40. 1884 – Apr 3, Rebecca Everingham fire , Chattahoochee Riv., Fitzgerald Landing GA--	13
41. 1885 – Aug 24-25, Hurricane , esp. ~Savannah, GA, (maritime deaths, esp. <i>Bridgeton</i>)--	12
42. 1885 – Dec 15, Train Collision , Georgia Pacific Rail, near Austell, GA	-- 11
43. 1888 – Mar 17, Trestle Collapse , West India Fast Mail Train Derails , Blackshear GA	--25-27
44. 1889 – Dec 25, Racial Violence , Jesup, GA	--6~10
45. 1890 – Typhoid Fever (GA subset of ~30,000 typhoid deaths nationwide)	--1,086
46. 1893 – Mar 03, Tornadoes , Troup/Meriwether/Upson/Pike/Lamar Counties, GA	-- 14
47. 1893 – Sep, Yellow Fever , Brunswick, GA	-- 53
48. 1896 – Sep 28-29, Hurricane , GA	-- 25
49. 1898 – Typhoid Fever (3,064 nationwide), esp. Chickamauga and Fort McPherson ¹⁴¹	-- ≥415
50. 1900 – Typhoid Fever (GA subset of 35,379 U.S. typhoid fever deaths)	--1,685-1,766
51. 1900 – June 23, Cloudburst , Trestle Washout/Train Wreck/Fire , near McDonough GA--	37
52. 1903 – June 01, Tornado , Gainesville and Holland, Hall County, GA	-- 98
53. 1906 – Sep 22-26, Racial Rioting , Atlanta, GA	--25-40
54. 1908 – Apr 24/25, Tornadoes (4), Polk, Floyd, Harris, Meriwether, other counties	-- 30
55. 1908 – Aug 26-28, Flooding , Bridge, Dam, Levee Failures , esp. Augusta, GA ¹⁴²	--22-50
56. 1909 – Apr 30, Tornado Outbreak , GA	-- 16
57. 1911 – Mar 25, Dixie Flyer Train Breaks Axle, Derails on Trestle, near Ocilla, GA	-- 9-10
58. 1913 – Mar 13, Tornadoes , Dekalb, Gwinnett, Floyd, Gordon Counties, GA	-- 23
59. 1915 – Nov 22, Trains Collide , Circus and Passenger, near Columbus, GA	-- 11
60. 1918 – Apr 1919, Influenza and Pneumonia Epidemic , GA	--3,700
1918 – Influenza and Pneumonia Epidemic, especially greater Atlanta, GA--	2,192
1919 – Jan-Apr, Influenza Epidemic, GA	--1,508
61. 1920 – Influenza Epidemic , especially greater Atlanta, GA	-- 490
62. 1920 – Feb 01, Steamer Fortune Lost off Jekyll Island, GA	-- 13
63. 1920 – Mar 28, Tornadoes , Pike and Troup Counties	-- 37
64. 1921 – Feb 10, Tornado , Oconee and Gardner (Washington County), GA	-- 32
65. 1922 – Sep 11, Truck falls through wood bridge , Satilla Riv., 20 mi. ~Homerville, GA--	18
66. 1924 – Apr 30, Tornadoes , GA	-- 16
67. 1926 – Dec 23, Trains Collide , near Rockmart, GA	-- 19
68. 1929 – Apr 25, Tornadoes , GA	-- 49
69. 1931 – Diphtheria , especially children (GA subset, 5,738 U.S. diphtheria deaths)	-- 166
70. 1931 – Influenza (GA subset of 31,701 influenza deaths nationwide)	--1,342
71. 1931 – Malaria (GA subset, 2,536 malaria deaths nationwide) ¹⁴³	-- 305
72. 1931 – Summer, Heat Wave and excessive heat deaths (GA subset, 2,768 U.S. deaths)--	32
73. 1932 – Mar 21, Tornadoes , GA	-- 24
74. 1932 – Mar 22, Tornadoes , GA	-- 13
75. 1936 – Mar 28, Bus hit by Central of Georgia Train at crossing, Bryon, GA	-- 11
76. 1936 – Apr 02, Tornado , F4, Crisp County (especially Cordele), GA	-- 36
77. 1936 – Apr 06, Tornadoes and Fires (esp. Cooper Pants Factory), Gainesville, GA ¹⁴⁴	-- 203

¹⁴¹ This number is for identified servicemen dying of typhoid in Georgia. There were undoubtedly more such deaths. Twenty-two GA Volunteers died of typhoid from the First and Second GA Regiments; one from GA Light Artillery.

¹⁴² This is a GA subset of 50-80 fatalities in NC, SC, GA, VA.

¹⁴³ Georgia ranked 2nd in 1931 for malaria deaths, behind Arkansas with 481.

Georgia (continued)

78.	1937 -- Sep 26-Oct 26, Elixir Sulfanilamide medicine poisoning deaths	-- 12
79.	1938 -- May 17, Fire, Terminal Hotel, Atlanta, GA	-- 35
80.	1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (GA subset of 1,997 US diphtheria deaths)--	100
81.	1939 -- Influenza & Pneumonia (GA subset, 99,097 US influenza/pneumonia deaths)-	3,220
82.	1939 -- Malaria (GA subset of 1,761 malaria deaths nationwide)	-- 118
83.	1939 -- Whooping Cough (GA subset of 3,026 whooping cough deaths nationwide)	-- 136
84.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 10
85.	1940 -- Influenza and Pneumonia (GA subset of 92,525 U.S. flu/pneumonia deaths)	--2,868
86.	1940 -- Malaria (GA subset of 1,442 U.S. malaria deaths) ¹⁴⁵	-- 107
87.	1940 -- Feb 10, Tornado , F4, Dougherty County, GA	-- 18
88.	1941 -- Measles , especially children (GA subset of 2,279 measles deaths nationwide)	-- 160
89.	1942 -- Feb 06, Tornadoes , GA	-- 13
90.	1943 -- Oct 22, Plane Crash, US Army Air Force C-47 , Lawson Field, Ft. Benning, GA--	20
91.	1944 -- Influenza (GA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec--	724
92.	1944 -- Apr 16, Tornado , Franklin, Hart, Elbert Counties, GA	-- 23
93.	1944 -- July 23, Plane fire/crash, USAAF B-24J , near Chatham Field, Savannah, GA	-- 10
94.	1944 -- Aug 5, Atlantic Coast Line Train Wreck , near Stockton, GA	-- 47
95.	1944 -- Oct 29, Plane Crash, USAAF B-17F , near Chatham Field, Savannah, GA	-- 10
96.	1945 -- Jan 09, Plane breaks-up/crashes, USAAF B-24 ~Chatham Field, Savannah, GA--	11
97.	1946 -- Dec 07, Fire, Hotel Winecoff , Atlanta GA,	-- 119
98.	1948 -- Jan 07, Plane Crash, Coastal Air Lines , near Savannah, GA	-- 18
99.	1949 -- Dec 22, Plane Crash, USAF B50 Bomber , near Savannah, GA	-- 11
100.	1951 -- Jan 27-Feb 4, Cold Waves, Winter Storms, ice, sleet, snow , GA ¹⁴⁶	-- 10
101.	1951 -- Oct 21-25, Wood Alcohol (Methanol) Poisoning , Atlanta (also Winder), GA--	41
102.	1953 -- Apr 30, Tornadoes , GA	-- 21
103.	1957 -- Dec 5, Natural gas explosion/fire , five downtown businesses, Villa Rica, GA ¹⁴⁷ -	12
104.	1959 -- Jun 28, LP-Tank Car Train Derailment , Meldrim, GA	-- 23
105.	1965 -- Jun 15, Mid-Air Collision, US Army Helicopters , Fort Benning, GA	-- 18
106.	1967 -- Jun 23, Asphalt tanker truck and GA station wagon collide, Hardeeville, SC ¹⁴⁸ --	10
107.	1968 -- July 28, USAF C-124A , GA Reserve, Crash, 50 miles NW of Recife, Brazil ¹⁴⁹ --	10
108.	1969 -- July 06, Air South Flight 168 System Failure/Crash , near Monroe, GA	-- 14
109.	1971 -- Feb 03, Explosion and Fire, Thiokol Chemical Plant , Woodbine, GA	-- 34
110.	1972 -- Nov 07, Freighter Hits Sidney Lanier Bridge span , Collapses, Brunswick, GA-	10
111.	1972 -- Nov 30, Fire, Baptist Towers Home for Senior Citizens , Atlanta, GA	-- 10
112.	1974 -- Apr 3, Tornadoes , multiple counties, esp. Dawson and Gordon counties, GA--	16-17
113.	1977 -- Apr 04, Plane Crash, Southern Airways Flight 242 , Hope, GA	-- 72
114.	1977 -- Nov 06, Dam Failure and Flooding, Kelly Barnes Dam , Toccoa, GA	-- 39
115.	1980 -- Summer Heat , esp. counties of Muscogee/26, Richmond/11, Fulton/8, GA	-- 99

¹⁴⁴ An estimated 40-70 people, mostly girls and women, died in the Cooper Pants Factory fire.

¹⁴⁵ In terms of largest loss of life due to malaria in a State, GA was 5th behind AL/204, TX/177, AR/176, & MS/174.

¹⁴⁶ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

¹⁴⁷ Cross-listed in Explosions – there were fatalities from the explosion and from the resulting fire.

¹⁴⁸ Cross-listed in Georgia in that all the fatalities were from the Savannah, GA area.

¹⁴⁹ All the reservists were from metropolitan Atlanta.

Georgia (continued)

116.	1981 -- June-Aug (especially), Heat (ECD-9 E900 code for excessive natural heat) --	32
117.	1982 -- Jan 11-14, Extreme Cold Wave and winter storms	--10-11
118.	1983 -- Summer, esp. July 21-31, Heat , 14 counties, GA (subset of U.S. toll of 597) --	35
119.	1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227 ¹⁵⁰ --	26
120.	1985 -- Sep 29, Skydiving Crash , Westwind Sports & Parachute Ctr., Jenkinsburg GA--	17
121.	1986 -- Summer Heat , GA (subset of >400 U.S. heat-related fatalities)	-- 41
122.	1987 -- Summer Heat , State substate of approximately 387 U.S. heat deaths	-- 24
123.	1988 -- Summer Heat , GA	--20-21
124.	1990 -- Summer (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--	13
125.	1991 -- Apr 5, Atlantic Southeast Air Flight 2311 AP approach crash, Brunswick, GA--	23
126.	1992 -- Summer Heat , esp. July-Aug (GA subset of 155 U.S. heat deaths)	-- 10
127.	1993 -- Mar 12-13, Storm, Eastern Seaboard " Superstorm of 1993 ," subset for GA --	16
128.	1994 -- July 4-10, Tropical Storm Alberto Flooding , dam failures, esp. Americus, GA --	32-35
129.	1995 -- Summer Heat (GA subset of 1,563-1,601 U.S. heat-related deaths)	-- 24
130.	1995 -- Oct 04, Hurricane Opal , multiple counties (deaths in 10)	--13-14
131.	1996 -- Summer esp., Heat (GA subset of 249 U.S. Heat deaths)	-- 11
132.	1998 -- March 20, Tornado , Hall (Gainesville Area) and White Counties, GA	-- 12
133.	1998 -- Summer especially, Heat (GA subset of 435 U.S. heat-related deaths)	-- 10
134.	1999 -- Summer especially, Heat (GA subset of 1,050 U.S. heat-related deaths)	-- 26
135.	1999 -- July 27-29, Workplace Shootings /9; family killed/3; suicide/1; Atlanta, GA ¹⁵¹ --	13
136.	2000 -- Feb 13-14, Tornadoes , esp. Camilla, Mitchell County, GA	-- 19
137.	2001 -- March 3, USAF C-23 Plane Crash (VA NG (18) FL ANG (3)), Unadilla, GA--	21
138.	2005 -- Summer especially, Heat (FL subset of 847 U.S. heat-related deaths)	-- 10
139.	2008 -- Feb 07, Explosion , Imperial Sugar Refinery, Port Wentworth, GA	-- 14
140.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	-- 48
141.	2009 -- Sep 19-22, Downpours, Flooding , Greater Metropolitan Atlanta, GA	-- 10
142.	2009 -- Summer especially, Heat (GA subset of 402 U.S. heat-related deaths) ¹⁵²	-- 12
143.	2010 -- Summer especially, Heat (GA subset of 627 U.S. heat-related deaths)	-- 21
144.	2011 -- April 27, Tornadoes , especially Catoosa County, GA	-- 15
145.	2012 -- Summer especially, Heat (GA subset of 598 U.S. heat-related deaths)	-- 12
146.	2017 -- Jan 22, Tornadoes , Berrien, Brooks, Cook (Adel), Dougherty Counties ¹⁵³	--16-17

Georgia Select Other Loss of Life Events:

1597 --	Natives Massacre St. Francis Missionaries , Guale (St. Catherine Island), GA	-- 5
1853 --	by Apr 16, Smallpox Outbreak, Oglethorpe, GA	-- 9
1860 --	Measles (GA subset of 3,900 measles deaths nationwide)	-- 47
1860 --	Scarlet Fever (GA subset of 26,402 deaths in 38 Census States & DC)	-- 217
1860 --	Tuberculosis , reported as "consumption" (GA subset, 49,082 death nationwide) ¹⁵⁴ --	491

¹⁵⁰ GA had 2nd highest loss of life to excessive natural heat in 1985 -- behind CA with 29 such deaths.

¹⁵¹ Barton's suicide was by his weapon, thus making for ten gun fatalities -- wife and children killed by a hammer.

¹⁵² GA had 6th highest loss of life to heat in 2009, behind AZ with 156, CA at 55, TX at 47, FL at 24 and IL at 16.

¹⁵³ Range has to do with missing boy, 2, reported missing near Albany, Dougherty County, where five died.

¹⁵⁴ Was leading reported cause of death in the U.S. in 1860, and 4th in State, behind pneumonia, typhoid, and dropsy.

Georgia Select Other Loss of Life Events (continued)

1870 – Tuberculosis (Consumption) (GA subset of ~70,000 TB deaths nationwide)	--	875
1870 – Typhoid Fever (GA subset of 22,187 typhoid fever deaths nationwide)	--	743
1870 – Whooping Cough (GA subset of 9,008 whooping cough deaths nationwide)	--	92
1870 – Typhus (GA subset of 1,770 typhus deaths nationwide)	--	29
1879 – June-May 1880, Meningitis (GA subset of 7,481 meningitis deaths nationwide)	--	138
1879 – June-May 1880, Scarlet Fever , esp. children (GA subset, 16,388 US S.F. deaths)	--	31
1879 – June-May 1880, Tuberculosis (GA subset of 91,270 TB deaths nationwide)	--	1,707
1897 – Mar 22, Tornado , School, Arlington, GA ¹⁵⁵	--	8
1900 – Tuberculosis (26,941 GA deaths all causes) (109,750 US tuberculosis deaths) ¹⁵⁶	--	2,651
1907 – Typhoid Fever , Atlanta and Savannah (GA subset of ~13,000 deaths nationwide)	--	164
1915 – Mar 06, Monroe Phillips Shooting Rampage (kills 6, is shot) Brunswick, GA	--	7
1920 – Diphtheria and Croup (GA subset of 13,395 such deaths in 34 registration states)	--	43
1920 – Typhoid Fever (GA subset of 6,805 typhoid fever deaths in 34 registration states) ¹⁵⁷	--	60
1920 -- Whooping Cough , Atlanta, 58; Augusta, 13; Brunswick, 2; Savannah, 19	--	92
1931 – “ Epidemic Cerebrospinal Meningitis ,” ¹⁵⁸ (GA subset, 2,832 US meningitis deaths)	--	58
1931 – Measles , especially children (GA subset, 3,576 measles deaths nationwide)	--	67
1931 – Polio , esp. July-Oct, (GA subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	30
1939 – Tuberculosis (GA subset of 61,609 tuberculosis deaths nationwide)	--	1,422
1940 – Polio (GA subset of 1,026 polio deaths nationwide)	--	14
1940 – Tuberculosis (GA subset of 55,576 tuberculosis deaths nationwide)	--	1,448
1940 – Whooping Cough (GA subset of 2,926 whooping cough deaths nationwide)	--	110
1944 – Cerebrospinal Meningitis (GA subset, 2,812 U.S. cerebrospinal meningitis deaths)	--	62
1944 – Measles , especially Jan-June (GA subset of 1,923 measles deaths nationwide)	--	88
1944 – Tuberculosis (GA subset of 54,731 tuberculosis deaths nationwide)	--	1,141
1944 – Whooping Cough (GA subset of 1,878 whooping cough deaths nationwide)	--	66
1951 – Jan 28, Traffic Accident , Toccoa, Stephens County, GA	--	7
1954 – Jan 04, Fire, Residential Home, 5 Children Die , Oglethorpe, GA	--	5
1955 – Jan 31, Fire (mother and children), Home Oil Stove , Lakeview, GA	--	5
1957 – Oct 6-Nov 8, Influenza (and Pneumonia) Pandemic , Atlanta, GA	--	102
1959 – Apr 25, Fire, Waldrop residence , Hill City, near Calhoun, GA	--	6
1960 – Measles , especially children (GA subset of 380 measles deaths nationwide)	--	13
1971 – June 4, Hazardous Materials Truck/Car Collision/Explosion , ~Waco, GA	--	6
1973 – Feb 26, Plane Crash, Bird Strike , Peachtree-Dekalb AP, Atlanta, GA	--	8
1983 – Aug 31, Fire, Mentally Handicapped Home , Annandale Village, Suwanee, GA	--	8
1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228	--	7
1985 -- Jan 20-23, Winter weather, exposure/hypothermia	--	8
1990 – Oct 10-12 Tropical Storm Marco (and Klaus remnants), drownings, GA	--	5
1994 – Jan 14-21, Extreme Cold and Snow , GA	--	7
1995 – Aug 21, Plane Crash, Atlantic Southeast Airlines 529 , near Carrollton, GA ¹⁵⁹	--	9

¹⁵⁵ Included in that the top-ten list of fatalities at schools hit by tornadoes includes just seven with \geq ten fatalities.

¹⁵⁶ Leading cause of death in Georgia in 1900, with pneumonia a close second at 2,598.

¹⁵⁷ GA was not a registration state, but four cities reported: Atlanta with 28, Augusta/18, Brunswick/5, Savannah/9.

¹⁵⁸ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

¹⁵⁹ Eight fatalities at the time or shortly thereafter; one passenger four months later due to burns/inhalation injuries.

Georgia Select Other Loss of Life Events (continued)

1996 – July 27, Centennial Olympic Park Bombing, Atlanta, GA	--	2
2004 – Sep 5-6, Hurricane Frances, GA	--	8
2007 – March 2, Bus Crash, Baseball Team Bus, Bluffton University, Atlanta GA	--	7

Breakout of Georgia Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 36 – **Disease**, select communicable, especially epidemics. (Plus 30 in “Other.”)
- 28 – **Tornadoes**. (Plus 8 deaths in 1897 at an Arlington school.)
- 19 – **Heat**.
- 13 – **Aviation**. (Additionally, **one** in 1995 with nine deaths.)
- 11 – **Rail**
- 10 – **Maritime and Inland waterways**. (Sep 1804 hurricane cross-listed with maritime.)
- 6 – **Fire, Structural**. (Plus **four** – one with 8, **one** with 6 and two with 5 deaths each.)
- 6 – **Hurricanes/Tropical Storms**. (Plus 2 events >10 deaths: 5 in 1990, 8 in 2004.)
- 5 – **Flooding**. One event is cross-listed in rail in that a flash flood took out a trestle.
- 5 – **Structural Failure**.
- 3 – **Violence**. (Plus **one** with 8 deaths; 1 with 7 (including the shooter) in “Other.”)
- 3 – **Explosions**.
- 3 – **Road/Highway**. (Plus **three** – two with 7 deaths each and one with 6 in “Other”.)
- 2 – **Winter Weather**. (Plus 2 years <10 deaths: 8 in 1985 and 7 in 1994.)
- 1 -- **Poisoning (accidental)**
- 1 -- **Wood Alcohol Poisoning**.

HI

Hawaii

1.	1779 – Feb 14, boat theft, hostage-taking attempt, violence, Cpt. James Cook/Hawaiians–	22
2.	1790 – Jan late, Olowalu Massacre, Cpt. Metcalfe, <i>Eleanora</i> , fires on Native canoes, Maui	>100
3.	1790 – Nov, Kilauea Volcano Eruption , Island of Hawai’I, HI	-- >80--400
4.	1804 – Epidemic , Possibly Cholera (or Typhoid or Plague) Natives, Oahu, Hawaii	>3,000
5.	1829 -- Dec 2, Brig <i>Kamehameha</i> lost, left Honolulu HI, Dec 2, for Eromango Isl.-250~300	
6.	1837 – Nov 07, Tsunami , Islands of Maui and Hawaii, HI	--15-≥16
7.	1840 – May 10, Schooner Keola sinks after ballast shifts, off Kahoolawe, Hawaii	--26-36
8.	1848 – Sep-early ’49, Measles/Whooping Cough/Dysentery/Influenza Epidemics	--10,000
9.	1853 – Smallpox Epidemic , especially Oahu	≥5,000->6,000
10.	1857 – Mar 13, Schooner Kamamalu sails from Honolulu for Hilo, Lost	-- ~70-72
11.	1860 – Sep 18, U.S. Navy Sloop-of-War Levant sails SE from Hilo, HI, Lost	--150-210
12.	1868 -- Apr 2, Volcano induced earthquake , landslides/tsunami , Hawaii Isl., HI	--79-81
13.	1868 – Apr 02, Landslides , Hawaii Island, HI	-- 31
14.	1868 – Apr 02, Tsunami , Hawaii Island, HI	--46-47
15.	1881 – Jan-May (especially), Smallpox Epidemic , especially Honolulu, HI	-- 282
16.	1892 – Feb 02, SF, CA Whaling Bark Tamerlane , Strands, Puna Island, HI	-- 19
17.	1895 – Mid-Aug-Oct 3, Cholera Epidemic , Honolulu, HI	--63-65
18.	1899 -- Nov-March 1900 -- Bubonic Plague , Hawaii	-- 61
19.	1915 – Mar 25, Submarine Skate (F-4) Sinks , near Honolulu Harbor, HI	-- 21
20.	1916 – Jan 18, Heavy Rain, Flooding , Iao Valley, especially Wailuki, Maui, HI	--13-14
21.	1918 – Sep-Apr 1919, Influenza Outbreaks , HI	-- 608
	1918 – Sep-Dec, Influenza Outbreak, HI	-- 149
	1919 – Jan-Apr, Influenza Outbreak, HI	-- 459
22.	1920 – Influenza Outbreak , HI	-- 866
23.	1924 – Sep 09, Labor Violence , Filipino Strikers/Sheriffs Clash, Hanapepe, Kauai, HI--	20
24.	1930 – Nov 18, Heavy Rain, Flooding , Kalihi in Honolulu, Hawaii	-- 12
25.	1938 – Mar 30, War games, 2 USN Consolidated patrol bombers crash , off Oahu, HI--	11
26.	1941 – Dec 07, Attack by Japanese on Pearl Harbor , HI	--2,402
27.	1942 – Apr 05, Plane Crash, USAAF B-17 Flying Fortress Bomber , Oahu, HI	-- 10
28.	1943 – July 07, Plane Crash, USN PB4Y1 Liberator , off NAS Barbers Pt., Oahu, HI	-- 11
29.	1943 – Aug 09, U.S. Navy bomber Crashes into bus , Pearl Harbor Navy Yard, HI	-- 11
30.	1943 – Dec 7, USN planes collide, bomb falls, Marines on ground killed , Maui, HI	--20-22
31.	1944 – May 05, USAAF Plane Crash , out of Hickam Field HI, Aiea Ridge, Oahu, HI--	10
32.	1944 – May 14-21, Heavy seas, sleeping Marines in LCT pitched overboard off <i>LST-485</i> , HI--	19
33.	1944 – May 21, Munitions Explosion , West Loch, Pearl Harbor, HI	-- 163
34.	1944 – Jun 08, USAAF Bombers Collide , Homes Burn, Kill Civilians, Honolulu, HI	-- 14
35.	1944 – June 11, Torpedo Warheads Explode , Naval Ammunition Depot, Oahu, HI	-- 10
36.	1944 – Nov 11, US Air Transport Command C-54 Crashes 50 miles off Oahu, HI	-- 17
37.	1946 – Apr 01, Tsunami , especially Hilo and Laupahoehoe, HI	-- 159
38.	1947 – Aug 16, USAF B17 Plane Crash 50 miles off Barbers Point, Kalaeloa, HI	-- 10
39.	1948 – Aug 24, U.S. B29 Superfortress Plane takeoff Crash near Hickam AFB, HI	-- 16
40.	1953 – July 12, Transocean Air Flight 512 Crash , Pacific Ocean, Wake Is. to HI	-- 58
41.	1955 – Mar 22, USN R6D-1 Plane Crash , Waianae Range, NW of Honolulu HI	-- 66
42.	1957 – July 23, USN P-2 Neptune Explosion , off Barbers Point Naval Air Sta., HI	-- 10

Hawaii (continued)

43.	1957 – Dec 23, USN WV-2 Simulation goes awry/Crash, off Kakuku Pt., Oahu, HI	--	19
44.	1960 – May 23, Tsunami from Great Chilean (Valdivia) Earthquake, Hilo, Hawaii	--	61
45.	1962 – July 22, Plane Crash, Canadian Pacific Airlines, Honolulu, HI	--	27
46.	1969 – Jan 14, USS Enterprise Explosions and Fire, off Pearl Harbor, Hawaii	--	28
47.	1974 – Apr 11, Plane Crash, Island Air Beechcraft 18 (N28358), Kahului, HI	--	11
48.	1978 – Dec 9/10, Holo Holo Departs Honolulu, Lost off HI	--	10
49.	1981 – Dec 5, Plane Crash (pilot error), Jump Hawaii Club, Honolulu, HI	--	11
50.	1983 – June 16, Plane Crash, US Navy P-3B Orion (152720), into Mountain, Kauai, HI	--	14
51.	1989 – June 11, Plane Crash, Scenic Air Tours (N34AP), Waipio Valley, HI	--	11
52.	1989 – Oct 28, Aloha Island Air Flight 1712 flies into high terrain, Molokai, HI	--	20
53.	1999 – Sep 25, Plane Crash, Big Island Air Piper (N411WL) Kailua Kona, HI	--	10
54.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--	13
55.	2016 – Jan 14, Aviation, Two Marine Helicopters Crash off Haleiwa, Oahu, HI	--	12

Select Other Hawaii Loss of Life Events:

1877 – May 10, Tsunami in Hawaii from Chilean Earthquake HI	--	5
1916 – Diphtheria, especially children	--	35
1931 – “Epidemic Cerebrospinal Meningitis” (State subset, 2,832 US meningitis deaths)--	--	18
1944 – July 2, USA Truck overturns, Farrington Hwy, Waialua, Oahu, hits pedestrians	--	7
1992 – Sep 11, Hurricane Iniki (Category 4), Kauai, HI	--	6
1999 – Nov 02, Workplace Mass Murder Shootings, Xerox, Honolulu, HI ¹⁶⁰	--	7
2006 – Mar 14, Ka Loko (Kaloko) Earthen Dam Failure (and flooding), Kauai, HI	--	7

Breakout of Hawaii Large Loss of Life Events (10 or more fatalities) by Type:

-- 22	Aviation
-- 9	Disease, select communicable, especially epidemics. (Plus 2 in “Other.”)
-- 9	Maritime
-- 4	Tsunami. (Plus 1 in “Other.”)
-- 4	Violence. (Plus one with 7 fatalities.)
-- 3	Explosions. (Includes cross-listing of 1969 maritime explosion.)
-- 2	Flooding (Plus 1 event in “Other” due to structural failure of earthen dam.)
-- 2	Volcano eruption.
-- 1	Earthquake.
-- 1	Landslide.
-- 0	Hurricane. (But one, Iniki, in 1992, with six deaths.)
-- 0	Structural Failure. (Seven died in 2006 earthen dam failure.)

¹⁶⁰ Cross-listed in Violence subsection Mass Murder.

ID

Idaho

1.	1832 – July ~12, Battle of Pierre's Hole, fur-trappers, natives on both sides , ID	--	13
2.	1854 – Aug 20, Ward Massacre , Natives attack wagon train, Boise River, ~Caldwell, ID--	19	
3.	1866 – May 19, Massacre of Chinese Miners by Indians , near Battle Creek, OR?	--	120
4.	1877 – Jun 14-15, Nez Perce attack settlers on and near Salmon River, no. ID	--18--	28
5.	1877 – Jul 10, Chief Joseph's Nez Perce Massacre Chinese , Clearwater River, ID	--30-31	
6.	1878 – Apr 21, Tornadoes , six Counties, IA	--	27
7.	1890 – Typhoid Fever (Idaho subset of ~30,000 typhoid deaths nationwide)	--	47
8.	1906 – Feb 27, Avalanche , Wallace, ID	--	75
9.	1909 -- July 31, Electric Trains Collide Head-on , Gibbs, near Coeur d'Alene, ID	--	16
10.	1910 – Feb 27-28, Snowslides , Coeur d'Alene District, esp. Mace, Burke, Mullan, ID--	19-24	
11.	1910 -- Aug 20-Sep 9, Wildfires , esp. Big Creek, Storm Creek, Bullion Mine areas	--	84
12.	1917 – Feb 25, Avalanche , North Star Mine, Hailey, ID	--	16
13.	1918 – Influenza and Pneumonia Epidemic , ID	--	9,000
14.	1927 -- Jan 26, Gas explosion , Mormon recreation hall, basketball game, Turner, ID	--	7
15.	1936 – Oct 06, Morning Mine Lead Mine Shaft Accident , Mullan, ID	--	10
16.	1942 – Dec 02, Plane Crash , U.S. Army Air Force B-17, near Grace, ID	--	10
17.	1943 – Jan 15, Plane Crash , U.S. Army Air Force B-17, Gowen Field, ID	--	101
18.	1943 – Aug 16, Plane Crash , USAAF B-24E, Gowen Field, Boise, ID	--	10
19.	1944 – Dec 29, Plane Break-up/Crash , USAAF B-24J, near Meridian, ID	--	10
20.	1945 – Mar 06, Plane Crash , USAAF B-24D, near Mountain Home AAF, ID	--	10
21.	1949 – Polio , especially July-Nov (~2,725 polio deaths nationwide)	--	15
22.	1952 – Polio Outbreak , especially children, ID	--	21
23.	1953 – Jan 07, Plane Crash , Associated Air Transport , west of Fish Haven, ID	--	40
24.	1958 – Oct 09, USAF C-123B Transport Crash ~Little Willow Creek & Payette, ID--	19	
25.	1972 – May 02, Mine Fire , Sunshine Silver Mine, Kellogg, ID	--	91-92
26.	1976 -- June 5, Teton Dam Failure , Teton River , ~Newdale, Southeast Idaho	--	11-14
27.	1979 -- June 11, US Forest Service Plane Crash , Selway River, Nez Perce Nat. Forest ID--	10	
28.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--	>23

Idaho Select Other Loss of Life Events:

1801-1802 --	Smallpox , Native Americans, especially Nez Perce and Shoshone ¹⁶¹	--	?
1879 – June-May, 1880,	Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	55
1879 – June-May 1880,	Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths)	--	12
1891 – Aug 19,	Explosion of Giant Powder, Black Bear Mine , Gem, near Burke, ID	--	4-8
1897 -- May 27,	Trains Collide , American Falls station, ID	--	9
1905 -- Mar 22,	Oswald coal mine explosion , Princeton, ID	--	9
1931 –	"Epidemic Cerebrospinal Meningitis ," ¹⁶² (ID subset, 2,832 US meningitis deaths)--	18	
1931 –	Measles , especially children (State subset, 3,576 measles deaths nationwide)	--	10
1942 – Jan 14,	USAAF Martin B-26B Crash ~Black Creek Reservoir, 9 mls SE of Boise, ID--	9	

¹⁶¹ We have not seen an estimate of the death toll, only that smallpox spread from the east westward through what is today's Idaho. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

¹⁶² "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1942 – Apr 03, USAAF Boeing B-17E breakup and crash near Bridge and Strevell, ID	--	08
1943 – Dec 19, USAAF B-24, out of Pocatello AB, Crash 30 miles north of Burley ID	--	08
1944 – Influenza (state subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	77
1992 – Aug 21-22, Violence, Gov. use of force, U.S. Marshals/FBI, Ruby Ridge, ID	--	3

Breakout of Idaho Large Loss-of-Life Events (10 or more fatalities) by Type:

- 8 – **Aviation** (10 or more fatalities). (Plus 3 with 8-9 fatalities each in “Other.”)
- 5 – **Disease**, select communicable, especially epidemics. (Plus 4 in “Other.”)
- 5 – **Violence**. (Plus one with three deaths in “Other.”)
- 3 – **Snowslides/Avalanche**.
- 2 – **Mining**. (Plus two events <10 deaths: 4-8 in 1891 mine explosion; 9 in 1905 mine explos.)
- 1 -- **Flooding**. (Cross-listed in Structural Failure-Dams, for 1976 Teton Dam failure.)
- 1 -- **Rail**. (Nine died when two trains collided at the American Falls station May 27, 1897.)
- 1 – **Structural Failure**.
- 1 – **Tornado**.
- 1 -- **Wildfire**.
- 0 -- **Explosion**. (There was, though, a gas explosion in Turner in 1927 with 7 deaths.)

IL

Illinois

1.	1812 – Aug 15, Pottawatomie Massacre of Soldiers and Homesteaders, IL	--	~98
2.	1830 – Apr 22, New Caledonia Boiler Explosion , Mississippi River, near Cairo, IL	--	11
3.	1832 – Jul 15-Sep 26, Cholera , esp. Rock Island, the <i>Henry Clay</i> , Fort Dearborn	--	134-174
4.	1833 – July 4-8, Cholera outbreak, Quincy, IL	--	33
5.	1833 – Nov 08, Steamboat Illinois Boiler Explosion , Miss. River, near Cairo, IL	--	13
6.	1834 – Aug, Cholera , especially, especially Pekin and Rushville, IL	--	39
7.	1837 – Mar 17, Steamboat Tiskilwa hit by the <i>Wisconsin</i> , near mouth Ill. River, IL	--	10-20
8.	1842 – Oct 8, S.B. Eliza Snags/Sinks , MS Ri. ~5m above mouth OH Ri, IL Shore	--	30-40
9.	1845 – Oct 27, Steamer Plymouth collision with <i>Lady Madison</i> , ~Shawneetown, IL	--	20-30
10.	1848 – Aug 12, Steamer Edward Bates Boiler Explosion , MS Riv., Hamburg, IL	--	40-53
11.	1849 – Apr 14-Oct 5 esp., Cholera , many localities esp. Chicago, Peru, Quincy	--	1,946
12.	1850 – Cholera Epidemic , esp. Chicago, IL (16 died on July 29 alone in Chicago)	--	351-352
13.	1851 – June-Sep, Cholera , esp. Quincy, Chicago, Alton, Carlinville & RR const.	--	721-727
14.	1851 – Aug 20, Steamboat Dacotah Explosion , Peoria, IL	--	11
15.	1851 – Nov 27, Archer collision/sinks, Upper MS, Enterprise Island near Grafton IL	--	28-39
16.	1852 – Cholera Epidemic , especially Chicago, IL	--	642
17.	1852 – Apr 25, Steamboat Prairie State No. 2, Boiler Explosion , Pekin, IL	--	20
18.	1853 – Apr 25, Trains Collide/Negligence/Competition , Grand Crossing, Chicago, IL	--	21
19.	1854 – Cholera Epidemic , especially Chicago, IL	--	1,452
20.	1854 – Nov 01, “The Arctic” Train Derailment , Chicago for Rock Island, IL	--	40
21.	1855 – Jul-Aug, Cholera , especially Bloomington, Shelbyville, Waynesville, IL		85-154
22.	1857 – Mar 27, Lake Michigan Storm and Maritime Disaster , Chicago, IL	--	15
23.	1857 – Oct 19, Fire, Brothel, Stores, Warehouses , S. Water Street, Chicago, IL	--	27
24.	1858 – May 31, Tornado , Ellison, Warren County, IL	--	19
25.	1859 – May 26, Tornado , Scott and Morgan Counties, IL	--	11
26.	1860 – Measles (IN subset of 3,900 measles deaths nationwide)	--	109
27.	1860 – Scarlet Fever (scarlatina), subset of 26,402 deaths, 38 Census States & DC ¹⁶³	--	1,698
28.	1860 – June 03, Tornadoes , especially Albany, IL	--	31
29.	1860 – Jun 24, Steamer Ben. W. Lewis Boiler Explosion , Cairo, IL	--	23-50
30.	1860 – Sep 08, Steamer Lady Elgin Collision, Sinks, Lake Mich. off Winnetka, IL	--	270-400
31.	1860 – Nov 08, Steamer Globe Boiler Explosion , dock, Chicago, IL	--	15
32.	1862 – Nov 05, Steamer J.H. Dickey Grounds IL shore, MS River, Boiler Explodes	--	14
33.	1863 – Smallpox , esp. Confederate POW camps at Alton, Rock Island, Camp Douglas	--	300
34.	1864 – Smallpox , Chicago IL	--	283
35.	1866 – Cholera , Chicago, IL	--	990
36.	1867 – Smallpox , Chicago, IL	--	123
37.	1868 – Jan-June, Smallpox , Chicago, IL	--	146
38.	1868 – Apr 9, Sidewheel Sea Bird Burns/Sinks , Lake Mich., off Waukegan, IL	--	68-103
39.	1870 – Measles (IL subset of 9,237 measles deaths nationwide)	--	702
40.	1870 – Scarlet Fever , especially children (State subset of 20,339 deaths nationwide)	--	1,102
41.	1870 – Smallpox (State subset of 4,597 smallpox deaths nationwide)	--	170
42.	1870 – Tuberculosis (Consumption) (IL subset of ~70,000 TB deaths nationwide)	--	3,641
43.	1870 – Typhoid Fever (State subset of 22,187 typhoid fever deaths nationwide)	--	1,758

¹⁶³ Second leading known cause of death in the State in 1860, behind consumption.

Illinois (continued)

44. 1871 – Oct 08, Great Chicago Fire , IL	--< 300
45. 1871 – Nov-Dec, Smallpox Outbreak, Chicago, IL	-- 60
46. 1872 – Smallpox Outbreak, Chicago, IL	-- 655
47. 1872 – Apr 11, Steamer <i>Oceanus</i> Boiler Explosion , Miss. River, Brook's Point, IL	-- 40
48. 1873 – Smallpox , Chicago, IL	-- 515
49. 1873 – May 24-Sep 20, Cholera epidemics , 33 locations, especially Chicago (116)	-- 462
50. 1873 – May 4, Truesdell Highway Bridge Collapse , Rock River, Dixon IL	-- 56
51. 1873 – Aug 16, Trains Collide , Chicago and Alton Railroad, Lemont, IL	-- 14
52. 1877 – May 11, Unfinished Court-House walls fail, kills workers , Rockford IL	-- 10
53. 1877 – June 4, Tornado , Mt. Carmel, Wabash, IL	-- 16
54. 1877 – Jul 22-26, Labor Violence , Great Railroad Strike, Chicago, IL	--16-18
55. 1878 – Aug 12-Oct, Yellow Fever , especially Cairo (62 deaths), IL	-- 67
56. 1879 – June-May 1880, Measles, esp. children (IL subset of 8,254 U.S. measles deaths)--	463
57. 1879 – June-May 1880, Whooping Cough (State subset, 11,064 U.S. W.C. deaths)	-- 443
58. 1880 – Diphtheria , esp. Sep-Dec, esp. children, esp. Chicago (38,143 U.S. deaths)	--3,783
59. 1880 – Apr 4-Dec 25, Smallpox Outbreak, Chicago, IL	-- 36
60. 1881 – Smallpox , especially Chicago, IL	--1,350
61. 1882 – Smallpox , esp., Chicago (1,292 deaths), multiple locations, esp. Cook County	--1,492
62. 1883 – Jan-Dec, Smallpox , especially Litchfield, IL	-- 64
63. 1883 – Jan 09, Mine Explosion , Coulterville Coal Mine, Coulterville, IL	-- 10
64. 1883 – Feb 16, Mine Roof Collapse & Flooding , Diamond coal mine, Braidwood, IL--69-74	
65. 1883 – May 22, Schooner <i>Wells Burt</i> founders , Lake MI Storm, off Evanston, IL	--10-11
66. 1884 – Jan 05, Fire, Immaculate Conception Academy (Convent/Sch), Belleville, IL--	32
67. 1884 – Oct 08, Gale, Hyde Park Waterworks Crib cabin washed away, S. Chicago, IL--9-10	
68. 1885 – Jan 18, Fire, Illinois Eastern Hospital for Insane , Kankakee, IL	-- 18
69. 1886 – May 3-4, Haymarket Affair/Bombing/Riot/Massacre , Chicago, IL	-- 17
70. 1887 – July 27, Trains Collide , Chicago/Alton RR, between Hopedale & Delavan, IL--	15
71. 1887 – Aug 10, Trestle Failure/Train Wreck , Chatsworth, IL	-- 85
72. 1888 – Feb 19, Tornado , F4, Mount Vernon, Jefferson County, IL	--24-30
73. 1890 – Jan-Mar, Influenza (La Grippe/Russian Flu), especially Chicago, IL	--2,089
74. 1890 – Mar 27, Tornadoes , 12 Counties	-- 18
75. 1890 – Mar 27, Starch Dust Explosion/Fire , Chicago Sugar Refinery, Chicago, IL	-- 12
76. 1890 – Jun 20, Tornado , Lee and Dekalb Counties, IL	-- 13
77. 1891 – March-April, Influenza and Pneumonia Epidemic , Chicago, IL	--6,800
78. 1892 – July 12, Storm, Frankie Folsom, small boats founder , IL Ri., Peoria, IL	--14-21
79. 1893 – Jan 21, Express Train Collides into Oil Cars/fire/explos., Wann, near Alton, IL--	33
80. 1893 – July 10, Fire , Columbia Exposition Cold Storage Warehouse, Chicago, IL	--17-19
81. 1893 – Sep 07, Trains Collide , Fort Wayne Route, near Colehour, IL	-- 12
82. 1894 – Jan-Aug, Smallpox , Chicago, IL	-- 864
83. 1896 – May 27, Tornadoes , Washington, Jefferson Counties, East St. Louis, IL	-- 169
84. 1896 – Aug 5-11, Heat , Sunstroke, Heat Prostration, especially Chicago, IL	-- 97
85. 1898 – Mar 16, Fire/Explos. , Ayer Bldg. (Mercantile), Wabash Ave., Chicago, IL	-- 16
86. 1898 – Apr 03, Levee Fails, Flash Flood , Shawneetown, IL	--25-33
87. 1898 – May 18, Tornadoes , esp. Carroll, Ogle, Boone, Bureau, Lee, Winnebago Co's.--	34

Illinois (continued)

88.	1898 – Oct 12, Labor Violence , coal miners and mine guards shootout, Virden, IL	--12-13
89.	1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	-- 103
90.	1901 – Mar 11, Boiler Explosion , Doremus Laundry, 458 W. Madison, Chicago, IL	-- ~10
91.	1901 – May 12, City of Paducah snags/sinks , MS Ri., ~Brunkhorst Landing, IL	--15-27
92.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 83
93.	1901 – July 01, Lightning , Swimmers, Lake Mich., off Montrose Blvd., Chicago, IL	-- 10
94.	1902 – Feb 05, Gas explosion/fire , Trostle Butcher Shop, Archer & 22 nd , Chicago	--11-13
95.	1902 – June 09, Fire, St. Luke's Society Sanitarium , Wabash / 21 st , Chicago, IL	--12-13
96.	1902 – Oct 21, Fire /glucose tank explosion, Glucose Sugar Refinery, Chicago, IL	--11-12
97.	1902 – Nov 29, Boiler Explosion , Swift & Co. Power Plant, Chicago, IL	--13-15
98.	1902 – Dec 04, Fire, Lincoln Hotel , Madison Street, Chicago, IL	-- 14
99.	1903 – July 2-3, 8, Heat , Chicago, IL	--10-15
100.	1903 – July 17, Tornadoes , La Salle and Livingston Counties, IL	-- 11
101.	1903 – Nov 19, Big Four Railway Freight and Work Trains Collide near Tremont, IL	--20
102.	1903 – Dec 30, Fire, suffocation, trampling, Iroquois Theater , Chicago, IL	-- 602
103.	1904 – May 11, Mine Explosion , Big Muddy Coal Mine, Herrin, IL	-- 10
104.	1904 – June 04, Corning Distillery Fire, Explosions, Building Collapse , Peoria, IL	-- 15
105.	1904 – July 03, Train Derails , Wabash Railroad, Litchfield, IL	-- 20
106.	1905 – Apr 03, Mine Explosion , Zeigler Coal Mine, Zeigler, IL	-- 49
107.	1905 – Apr 07-Mid-July, Teamsters' Strike and Riots , Chicago, IL	-- 21
108.	1906 – Dec 21 (Week of), Scarlet Fever , Chicago, IL	-- 115
109.	1907 – Aug 30, Electric Trains Collide (Trolley & Express) , near Charleston, IL	-- 14
110.	1909 – Jan 10, Mine Explosion , Zeigler Coal Mine, Zeigler, IL	-- 26
111.	1909 – Jan 20, Magazine Explos., Water Tunnel Crib Fire , Lake Mich., ~ Chicago, IL	-- 53
112.	1909 – Aug 15-17, Heat , especially Chicago and Peoria, IL	-- 11
113.	1909 – Nov 13, Mine Fire (from hay for mules), St. Paul Coal Mine, Cherry Hill, IL	--259-300
114.	1910 – Mar 25, Fire, L. Fish & Co. Furniture Store , Wabash Ave., Chicago, IL	-- 12
115.	1910 – June 15-27, Heat , Chicago, IL	-- 63
116.	1910 – Oct 04, Traction (Electric) Trains Collide , near Staunton, IL	-- 37
117.	1910 – Dec 22-23, Fire, Nelson-Morris Meatpacking Plant , Stockyards, Chicago, IL	-- 24
118.	1911 – June 4-23 Heat , Chicago, IL	-- 17
119.	1911 – July 1-10, Heat , especially Chicago, IL	--152-267
120.	1912 – Mar 31-Jun 8, Pneumonia Outbreak , Chicago, IL	--1,050
121.	1912 – July 14, Trains Collide , Western Springs, IL	-- 13
122.	1912 – Nov 25, Dextrin Dust Explosion , Corn Products Co., Waukegan, IL	-- 14
123.	1913 – June 25-July 1, Heat , especially Chicago, IL	--77-93
124.	1914 – Oct 27, Mine Explosion , North No. 1 Coal Mine, Royalton, IL	-- 52
125.	1915 – Apr 5, Mine Explosion , Shoal Creek/Panama No. 1 Coal Mine, Panama, IL	-- 11
126.	1915 – July 24, S.S. Eastland Passenger Ship Capsizes , Chicago, IL	--812-852
127.	1915 – Dec 28-31, Pneumonia (Influenza/Grippe) Outbreak , Chicago, IL	-- 201
128.	1916 – June 18-Aug 7, Heat , especially Chicago, IL	-- 489
129.	1917 – Feb 2, Gas Explosion/Fire , Tenement Buildings, Chicago, IL	-- 14
130.	1917 – May 26, Tornado , 7 counties, especially Coles County (Mattoon), IL	-- 101

Illinois (continued)

131.	1917 – Polio , esp. July-Sep, Chicago (State subset, ≥1,182 U.S. polio deaths) ¹⁶⁴	--	177
132.	1917 – July 1-3, especially July 2, East St. Louis anti-Black Race Riots , IL	--	48-200
133.	1917 – Nov 29, Mine Explosion , Old Ben No. 11 Coal Mine, Christopher, IL	--	18
134.	1918 – July 5, Fog , Steamer Columbia Snags/Sinks , IL Riv., Wesley City, Pekin, IL	--	87-89
135.	1918 – Sep-Apr, 1919, Influenza/Pneumonia Epidemic , esp. greater Chicago, IL	--	35,020
	1918 – Sep-Dec, Influenza and Pneumonia Epidemic, esp. Greater Chicago, IL	--	26,098
	1919 – Jan-Apr, Influenza Epidemic, IL	--	8,922
136.	1918 – Sep 28, Mine Explosion , North Coal Mine, Royalton, IL	--	21
137.	1919 – Jul 21, Goodrich Dirigible “Wing Foot” Crashes into IL Bank , Chicago IL	--	12-13
138.	1919 – July 27-31 (dates of major rioting and deaths), Race Riots , Chicago, IL	--	38
139.	1919 – Dec 25-30, Wood Alcohol Poisoning , Chicago, IL	--	14
140.	1920 – Diphtheria and Croup (IL subset, 13,395 US deaths/34 registration states) ¹⁶⁵	--	1,128
141.	1920 – Influenza and Pneumonia	--	13,922
142.	1920 – Measles (IL subset of 7,712 measles deaths in 34 registration states) ¹⁶⁶	--	496
143.	1920 – Scarlet Fever (IL subset, 4,004 scarlet fever deaths, 34 registration states) ¹⁶⁷	--	370
144.	1920 – Typhoid Fever (IL subset, 6,805 typhoid fever deaths, 34 registration states) ¹⁶⁸	--	380
145.	1920 -- Whooping Cough (IL subset, 10,968 WC deaths, 34 reg. states) ¹⁶⁹	--	553
146.	1920 – March 28, Tornadoes , Adams, Cook, Jay, Kane, Will Counties, IL	--	45
147.	1921 – Aug 31, Mine Explosion , Harco Coal Mine, Harrisburg, IL	--	12
148.	1922 – June 21-22, Union miners murder non-union men and Guards ~Herrin, IL ¹⁷⁰	--	23
149.	1923 – June 21, Fire, Tenement Building , Federal Street, Chicago, IL	--	10
150.	1923 – Dec 26, Fire, Illinois State Hospital for the Insane , Dunning, IL	--	18
151.	1924 – Jan 3, Starch Dust Explosion , Corn Products Refining Co., Pekin, IL	--	42
152.	1924 – Jan 25, Mine Explosion , McClintock Coal Mine, Johnston City, IL	--	33
153.	1925 – Mar 18, Tri-State Tornado , IL	--	600
154.	1926 – July 18-25, Heat , especially Chicago (subset of 166-175 US deaths) ¹⁷¹	--	≥25
155.	1927 – July 13-14, Heat , heat/drownings, esp. Chicago (subset of 126-161)	--	6-10
156.	1927 – July 18, Drownings at beaches , Lake Michigan, Chicago vicinity, IL	--	10
157.	1927 – July 28, Passenger Vessel Favorite Sinks in Storm , Chicago IL	--	27
158.	1928 – Jan 9, Coal Mine Explosion , No. 18 Coal Mine, West Frankfort, IL	--	21

¹⁶⁴ There were more polio deaths in Chicago (7.6 death rate) than in any of the 27 Census Bureau registration States.

¹⁶⁵ 3rd largest State loss of life to diphtheria and croup in 1920, following NY with 1,931 and PA with 1,733.

¹⁶⁶ In terms of largest loss of life by State, IL was 4th behind NY at 1,177, PA with 1,153 and OH with 750 deaths.

¹⁶⁷ In terms of largest loss of life by State, IL was 4th behind PA at 497, NY at 474 and OH with 383 deaths.

¹⁶⁸ In terms of largest loss of life by State, IL was 5th, after PA/503, KY/490, OH/435, and TN with 434 deaths.

¹⁶⁹ In terms of largest loss of life by State, IL was 4th behind PA at 1,195, NY at 1,063, and OH with 845 deaths.

¹⁷⁰ 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.

¹⁷¹ Some accounts have it as more than 30 heat-related fatalities.

Illinois (continued)

159.	1928 – Sep 14, Tornado , Rockford, (Winnebago, Boone Counties) IL	--	14
160.	1931 – Apr 13, Fire/Carbon Monoxide Poisoning , Sewerage Tunnel, Chicago, IL	--	11
161.	1931 – Summer, especially June 19-Jul 29, Heat , especially Chicago, IL ¹⁷²	--	632
162.	1932 – Dec 24, Coal Mine Methane Gas Explosion, Moweaqua, Shelby Co., IL	--	54
163.	1933 – Feb 7-12, Cold Waves, Winter Storms , Blizzard conditions, esp. Chicago	--	32
164.	1933 – June 11, Plane Crash, Chicago Exposition Sightseeing Plane , ~Glenview IL--9-10		
165.	1933 – Dec 26-28, Winter Storm/Coldwave , Pacific NW, Upper Mid-West, NE, IL ¹⁷³ --	21	
166.	1934 – July 10-27, Aug 8-14, Heat , IL, especially Chicago, IL	--	378
167.	1935 – Sep 29, Fire, Arson, Tenement , Chicago, IL	--	10
168.	1935 – Oct 7, Explosion, Glidden Soybean Processing Plant , Chicago, IL	--	11
169.	1936 – July 1-31, Heat (access deaths) IL	--	1,193
170.	1936 – Nov 24, L Train rear-ended, North Shore Line Interurban , Chicago, IL	--	10
171.	1937 -- Jan 5-Feb 15 (generally), Flooding , OH and MS River Valley areas, IL	--	11
172.	1937 – Mar 24, Tire Blowout, Bus Hits Bridge , Fire, Salem, IL	--	21
173.	1937 – May 30, Memorial Day Massacre, Striking Steel Workers Shot , Chicago IL--	10	
174.	1938 – March 15, Tornado , F4, St. Clair County, IL	--	10
175.	1938 – March 30, Tornado , IL	--	13
176.	1939 – Influenza and Pneumonia (IL subset, 99,097 U.S. flu/pneumonia deaths)	--	5,032
177.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	32
178.	1940 – Influenza & Pneumonia (IL subset of 92,525 U.S. flu & pneumonia deaths)--	4,293	
179.	1940 – Nov 11-12, Armistice Day Storm , Blizzard, IL	--	13
180.	1940 – Dec 04, Plane Crash, United Airlines DC-3 (NC25678), Chicago, IL	--	10
181.	1942 – Mar 16, Tornadoes , esp. Champaign, Vermillion, Peoria, Marshall Counties--	20	
182.	1942 – June 5, Explosion , Elwood Ordnance Plant, Joliet, IL	--	48-52
183.	1943 – May 20, USAAF B-24E Plane Hits Natural Gas Tank, Fog , Chicago, IL	--	12
184.	1945 – Jan 16, Fire , General Clark Hotel/Boarding House, N. Clark St., Chicago, IL--	14	
185.	1946 – Apr 26, Train Collision, Advance Flyer & Exposition Flyer , Naperville, IL	--	47
186.	1946 – Jun 05, Fire , LaSalle Hotel, Chicago, IL	--	61
187.	1947 – Mar 25, Mine Explosion , Centralia No. 5 Coal Mine, near Centralia, IL	--	111
188.	1947 – July 24, Coal Mine Disaster , Old Ben No. 8 West Frankfort, IL	--	27
189.	1947 – Aug 3-7, Heat , especially Chicago, IL	--	46
190.	1948 – Mar 10, Plane Crash , Delta Air #705 Chicago Municipal Airport, IL	--	12
191.	1948 – Sep 07, Starch Dust Explosion , Candy Factory, Chicago, IL	--	15
192.	1949 – Apr 4-5, Fire, St. Anthony Hospital , Effingham, IL	--	74
193.	1950 – May 25, Trolley & Gasoline Tank Truck collide/explosion/fire , Chicago, IL	--	34
194.	1951 – Sep 17, Shell Refinery cracking unit Explos./Fire , Roxana, Wood River, IL	--	18
195.	1951 – Dec 21, Mine Gas Explosion , New Orient Coal Mine #2, West Frankfort, IL--	119	
196.	1953 – Apr 16, Aluminum Dust Explosion/Fire , Haber Corp, Chicago, IL	--	35
197.	1953 – Sep 07, Fire , Spector Realty Co. Tenement building, State St., Chicago, IL	--	18
198.	1955 – Feb 12, Fire, Barton Hotel , Chicago, IL	--	29
199.	1955 – July 17, Braniff Airways Flight 560 Approach Crash , Chicago-Midway, IL	--	22
200.	1957 – Dec 18, Tornado , Jackson, Williamson, Franklin Counties, IL	--	11

¹⁷² Illinois led the nation in excessive heat deaths in the summer of 1931. Wisconsin was second with 295 deaths.

¹⁷³ IL Subset of storm taking 102-145 lives.

Illinois (continued)

201.	1958 – Dec 01, Fire, Our Lady of Angels Elementary School , Chicago, IL	--	95
202.	1959 – Nov 24, Plane Crash, Trans World Air Flight 595 , Chicago, IL	--	11
203.	1960 – July 27, Helicopter Crash, Chicago Helicopter Airways , Forest Park, IL	--	13
204.	1961 – Feb 3-5, Blizzard-like Snow Storm , IL	--	11
205.	1961 – Sep 1, Plane Crash TWA 529 , 9 Miles W of Chicago-Midway, IL	--	78
206.	1961 – Sep 17, Plane Crash (Takeoff) Northwest 706 , O'Hare, Chicago, IL	--	37
207.	1962 – Jan 10, Blue Blaze No. 2 Coal Mine gas and dust Explosion , Carterville, IL--	11	
208.	1964 – Nov 04, Fire , Dorchester Manor Apartment Hotel, Chicago, IL	--	11
209.	1965 – Aug 16, Plane Crash , United Flight 389, Lake Michigan, off IL	--	30
210.	1965 – Dec 11, Arson Fire/Mass Murder , Seeley Club (Tavern), Chicago, IL	--	13
211.	1966 – July 1-31, Heat Wave ("excess deaths"), IL	--	1,148
212.	1967 – Jan 26-27, Great Midwest Blizzard (100-111), IL subset, esp. Chicago, IL	--	56-60
213.	1967 – Apr 21, Tornadoes , Northern IL	--	58
214.	1968 – Apr 4-11, Martin Luther King Jr. assassination rioting , Chicago, IL	--	11
215.	1968 – Dec 8-Jan 18, 1969, A2 Hong Kong Influenza-Pneumonia Epidemic , Chicago--	380	
216.	1968 – Dec 27, Plane Hits Hangar , North Central Air 458, O'Hare, IL	--	28
217.	1971 -- June 10, Amtrak train derails , northbound City of New Orleans, ~Salem, IL--	11	
218.	1971 – Oct 21, Plane Crash , Chicago & Southern Airlines N51CS, Peoria, IL	--	16
219.	1972 – May 5, Fire , Carver Convalescent Nursing Home, Springfield, IL	--	10
220.	1972 – Oct 30, Rail Crash , Illinois Central Gulf Commuter Rail, Chicago, IL	--	45
221.	1972 – Dec 08, Plane Crash, United Flight 533 , Midway Airport, Chicago, IL	--	45
222.	1972 – Dec 20, Planes Collide/Fog , North Central Air/Delta, O'Hare, Chicago, IL--	10	
223.	1976 – Jan 30, Arson Fire , Wincrest Nursing Home, Chicago, IL	--	24
224.	1976 – Feb 07, Train hits Camper-Truck of children, grade crossing, Beckemeyer, IL--	12	
225.	1976 – Dec 23, Fire , Apartment House, Chicago, IL	--	12
226.	1979 -- May 25, American Airlines #191 takeoff crash , O'Hare IAP, Chicago, IL	--	273
227.	1980 – Summer, Heat , esp. counties of St. Clair/31, Alexander/9, Cook/8, Madison/8--	88	
228.	1980 – Oct 28, Arson Fire kills children, apartment building , South Side Chicago, IL--	10	
229.	1981 – Jan 11, Fire , Single Family Home East, St. Louis, IL	--	11
230.	1981 -- March 14, Royal Beach (Residential) Hotel Fire , Chicago, IL	--	19
231.	1982 -- Jan 9-18, Extreme Cold Waves/snow storms , esp. Cook and Lake Counties--	16-31	
232.	1982 -- Jan 31-Feb 1. Winter Weather , especially heart attacks shoveling snow	--	11
233.	1982 – Mar 19, Plane Explosion/Crash , USAF KC-135 Tanker, near Wonder Lake, IL-	27	
234.	1982 – Apr 15, Construction Failure , Indiana Highway Ramp, East Chicago, IL	--	13
235.	1982 – May 29, Tornado , F4, Marion, Williamson County, IL	--	10
236.	1983 – Summer Heat , esp. July 23-31, esp. Chicago and East St. Louis, IL (US 597)--	53	
237.	1983 – Oct 11, Plane Crash, Air Illinois (N748LL), Pinckneyville, IL	--	10
238.	1984 – July 24, Explosions and Fire , Union Oil Refinery, Romeoville, IL	--	17
239.	1986 -- Summer Heat , IL (subset of >400 U.S. heat-related fatalities)	--	30
240.	1987 -- Summer Heat , State substate of approximately 387 U.S. heat deaths	--	15
241.	1988 – Summer, Heat , esp. Aug, esp. Chicago (subset of 911-919 U.S. deaths)	--	341
242.	1989 – Measles , especially children, Chicago (8), other Cook County (2)	--	10
243.	1989 – Dec 12-24, Cold wave and exposure deaths	--	25
244.	1990 – Aug 28, F5 Tornado , Kendall and Will Counties (especially Plainfield), IL	--	29

Illinois (continued)

245.	1990 -- Summer (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--	13
246.	1991 -- Summer (esp.), Heat , ICD-9 E900 code for excessive natural heat/hyperthermia-	12
247.	1991 -- Dec 9, West Side Apartment Building Fire , Humboldt Park, Chicago, IL --	10
248.	1992 -- Sep 07, Beechcraft Parachuting Plane Crash , Hinckley, IL --	12
249.	1993 -- Mar 16, Fire, Paxton Hotel (Single Room Occupancy), Chicago, IL --	20
250.	1993 -- Summer esp., Heat (IL subset of 311 U.S. heat deaths)	-- 14
251.	1994 -- Summer esp., Heat (IL subset of 221 U.S. heat deaths)	-- 11
252.	1994 -- Sep 08, US Air Flight 427 crashes, Aliquippa, near Pittsburgh Airport, PA ¹⁷⁴ --	132
253.	1995 -- July 12-Aug 24 (esp. July 12-16), Heat , esp. Chicago metro area (≥ 700) --	727-766
254.	1996 -- Summer esp., Heat (IL subset of 249 U.S. heat deaths)	-- 10
255.	1996 -- Nov 19, Planes Collide, United Express 5925/Beechcraft , Quincy, IL --	14
256.	1997 -- June-July, Heat , esp. Cook County, IL (subset of 142 fatalities nationwide)	-- 29
257.	1998 -- July, Heat , esp. July 26-29, IL (subset of 373 heat fatalities nationwide)	-- 18
258.	1999 -- Jan 1-4, Midwest Blizzard/Freeze , especially greater Chicago vic., IL ¹⁷⁵ --	44
259.	1999 -- March 15, Amtrak train & truck collision at grade crossing, Bourbonnais, IL--	11
260.	1999 -- Summer Heat , esp. late July-early Aug, especially Chicago, IL --	141
261.	2000 -- Summer especially, Heat (IL subset of 333 U.S. heat-related deaths)	-- 11
262.	2001 -- Jan 26, Black Ice HWY Accident, Salvation Army Van , Will Co., IL --	11
263.	2001 -- Summer, Heat , esp. July 21-24, July 29-31, Aug 6-9, esp. Cook County, IL --	38
264.	2002 -- Summer, Heat , esp. June 21-25, July 1-4 and Jul 15-22, esp. Chicago-area, IL--	40
265.	2003 -- Feb 17, Stampede/Crushing/Asphyxiation, E2/Epitome Night Club , Chicago-	21
266.	2003 -- June 29, Apartment Building Balcony Collapse , Lincoln Park, Chicago, IL--	13
267.	2005 -- Summer Heat (IL subset of 847 U.S. heat-related deaths)	-- 847
268.	2006 -- Summer Heat , esp. July 15-Aug 2, esp. Chicago-Area, Cook County (34), IL--	43
269.	2007 -- Feb 1-19, Extreme Cold/Wind Chill , Grundy, Kane & esp. Cook County, IL--	12
270.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	-- 112
271.	2009 -- Summer Heat (IL, esp. Chicago, subset, 402 U.S. heat-related deaths)	-- 16
272.	2011 -- May-Aug, Heat , esp. Chicago, Cook Co. (subset of 589-602 U.S. deaths)	--34-35
273.	2012 -- July, Heat , esp. heart disease exacerbated by heat stress, esp. greater Chicago, IL	33
274.	2013 -- June 20, 26, July 18-21, Aug 30, Sep 11, Heat , Cook, St. Clair, Will Counties--	10

Illinois Select Other Loss of Life Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths --	1,158
1860 --	Tuberculosis , reported as "consumption" (IN subset, 49,082 death nationwide) ¹⁷⁶ --	1,948
1860 --	Whooping Cough (IN subset of 8,408 whooping cough deaths nationwide)	-- 382
1870 --	Diphtheria (IN subset of 6,303 diphtheria deaths nationwide)	-- 603
1870 --	Whooping Cough (State subset of 9,008 whooping cough deaths nationwide)	-- 640
1870 --	Typhus (State subset of 1,770 typhus deaths nationwide)	-- 131

¹⁷⁴ Cross-listed in Illinois in that this Chicago flight, included eleven Illinois fatalities.

¹⁷⁵ This is a subset of 73 to approximately 100 fatalities in AK, IL, IN, IA, MO, NE, OK, VA and WI. Some reports have 73 fatalities for Chicago, but it appears that the original source for 73 is Stanley Changnon of NOAA's Midwest Climate Center, who reported 73 fatalities for the midwest.

¹⁷⁶ Was the leading reported cause of death in the State and in the U.S. in 1860.

Illinois Select Other Loss of Life Events (continued)

1873 – Yellow Fever , Cairo, IL	-- 17
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--1,006
1879 – June-May 1880, “ Malarial Fever ,” (State subset, 20,231 such deaths nationwide)	--1,024
1879 – June-May 1880, Meningitis (State subset of 7,481 meningitis deaths nationwide)	-- 292
1879 – June-May 1880, Scarlet Fever , esp. children (IL subset, 16,388 U.S. S.F. deaths)	-- 954
1879 – June-May 1880, Tuberculosis (IL subset of 91,270 TB deaths nationwide)	--3,802
1879 – June-May 1880, Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths)	--1,487
1886 – Apr 09, Governmental Violence, Labor Riot , East St. Louis, IL	-- 6
1889 – Apr 28, Train Derails, Burns , Hamilton, Ontario, Canada	--20; Chicago ≥9
1890 – Diphtheria and Croup (State subset of 41,677 deaths nationwide)	--1,124
1890 – Typhoid Fever , esp. Chicago (IL subset of ~30,000 typhoid deaths nationwide)	--1,742
1891 – Typhoid Fever Epidemic, Chicago, IL	--2,000
1895 – April 1-30, Smallpox Outbreak, Chicago, IL	-- 14
1898 – Typhoid Fever (State subset of 3,064 typhoid fever deaths nationwide) ¹⁷⁷	-- ≥120
1900 – Tuberculosis (61,229 IL deaths all causes) (109,750 US tuberculosis deaths)	--6,786
1900 – Typhoid Fever (State subset of 35,379 typhoid fever deaths nationwide)	-- 926
1907 – Tuberculosis , Chicago (subset of 76,650 deaths nationwide)	--3,512
1910 – Polio Outbreak, IL	-- 42
1911 – Dec 10-30, Tuberculosis , Chicago, IL	-- 219
1912 – Smallpox , IL	-- 12
1912 – Jan-June 8, Tuberculosis , Chicago, IL	--1,740
1914 – Aug-Oct, Polio , especially children, IL	-- 34
1915 – July 27, Explosion, Mine No. 1, United Coal Co. , Christopher, IL	-- 9
1916 – July 1-Nov 28, Polio Epidemic, IL	-- 80
1918 – Typhoid Fever (State subset of 9,100 U.S. Typhoid Fever deaths)	-- 533
1918 – Sep 04, Bomb Explosion, Federal Building , Chicago, IL	-- 4
1920 – Smallpox (IL subset of 508 smallpox deaths in 34 registration states)	-- 15
1920 – Tuberculosis , especially Chicago	--5,818
1921 – Polio (Acute) esp. late Summer-Fall (subset, 1,597 U.S. polio deaths) ¹⁷⁸	-- 150
1921 – March 18, Explosion of Fireworks, West & Co Warehouse , Chicago IL	-- 8
1927 – Polio (acute) esp. late Summer and Fall (subset, 2,013 polio deaths nationwide)	-- 127
1929 – Feb 14, St. Valentine’s Day Massacre , Capone gang vs. Moran gang, Chicago, IL	-- 7
1931 – “ Epidemic Cerebrospinal Meningitis ,” ¹⁷⁹ (IL subset, 2,832 US meningitis deaths)	-- 259
1931 – Diphtheria , especially children (State subset, 5,738 U.S. diphtheria deaths)	-- 381
1931 – Influenza (State subset of 31,701 influenza deaths nationwide)	--1,648
1931 – Malaria (State subset, 2,536 malaria deaths nationwide)	-- 59
1931 – Measles , especially children (State subset, 3,576 measles deaths nationwide) ¹⁸⁰	-- 357
1931 – Polio , esp. July-Oct, (State subset of 2,139-2,144 U.S. polio deaths, esp. children)	-- 102
1936 – Aug 01, Fire, Kathleen Coal Mine , Dowell, IL	-- 9

¹⁷⁷ Number is for 117 Illinois soldiers dying of typhoid in various U.S. training camps, and for three civilian deaths in early to mid Jan. We know that at least 11 servicemen died in Illinois. There were undoubtedly more such deaths.

¹⁷⁸ Illinois was second, behind New York (272 polio deaths), in polio deaths in 1921.

¹⁷⁹ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

¹⁸⁰ While PA led the nation in measles deaths in 1931 (442), Illinois was second.

Illinois Select Other Loss of Life Events (continued)

1937 -- Oct 8-24, Elixir sulfanilamide medicine accidental poisoning , esp. East St. Louis--	7
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (State subset of 1,997 U.S. diphtheria deaths)	-- 116
1939 – Malaria (State subset of 1,761 malaria deaths nationwide)	-- 36
1939 – Tuberculosis (State subset of 61,609 tuberculosis deaths nationwide)	--3,404
1939 – Whooping Cough (State subset of 3,026 whooping cough deaths nationwide)	-- 161
1940 – Malaria (State subset of 1,442 U.S. malaria deaths)	-- 22
1940 – Polio (State subset of 1,026 polio deaths nationwide)	-- 58
1940 – Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--3,439
1940 – Whooping Cough (State subset of 2,926 whooping cough deaths nationwide)	-- 67
1941 – Measles , especially children (IL subset of 2,279 measles deaths nationwide)	-- 90
1944 – Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	-- 199
1944 – Influenza (state subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 543
1944 – Measles , especially Jan-June (State subset of 1,923 measles deaths nationwide)	-- 83
1944 – Polio , the year, especially July-Nov (1,070 polio deaths nationwide)	-- 39
1944 – Tuberculosis (State subset of 54,731 tuberculosis deaths nationwide)	--3,218
1944 – Whooping Cough (State subset of 1,878 whooping cough deaths nationwide)	-- 44
1946 – Polio , especially July-Nov (1,845 polio deaths nationwide)	-- 185
1948 – Polio (1,895 polio deaths nationwide)	-- 70
1949 – Polio , especially July-Nov (~2,725 polio deaths nationwide)	-- 246
1950 – Polio , especially July-Nov (1,904 polio deaths nationwide)	-- 127
1951 – Polio , especially July-Nov (1,551-1,555 polio deaths nationwide)	-- 94
1952 – Polio , especially Chicago, IL	-- 96
1953 – Polio (State subset of 1,450 polio deaths nationwide)	-- 104
1957 – Oct-Nov 9, Influenza Epidemic , Dixon State School for Mentally Retarded, IL	-- 12
1959 – Nov 09, Vehicular Accident, three trucks and one car , West Brooklyn, IL ¹⁸¹	-- 7
1966 – July 14, Richard Speck Mass Murder of Nurses , Dorm Room, Chicago, IL	-- 8
1979 -- Aug 13, construction failure/roof collapse, Rosemont Horizon Arena, Chicago, IL --	5
1982 – Sep 29, Tylenol Tampering (cyanide laced) deaths begin, Chicago, IL	-- 7
1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228	-- 9
1985 -- Measles (subset of 5 US measles deaths)	-- 1
1985 -- Jan 20-23 (especially), Winter weather, exposure/hypothermia	-- 8
1995 – Oct 25, School Bus stopped at road crossing hit by Train , Fox River Grove, IL	-- 7
1996 – May 18-Aug 21, Heat , Chicago, Elmwood Park and Palatine	-- 8
2007 – June 14-18, July 8-10, Aug 4-16, Heat , Cook, Madison and St. Clair Counties, IL	-- 8
2008 – Feb 14, Classroom Killings, Northern Illinois University, DeKalb, IL ¹⁸²	-- 5-6
2010 – June-Aug, Heat , especially Chicago, Cook County, IL	-- 7
2012 – Feb 30, Tornado , Harrisburg, IL	-- 6
2014 – Jan 1-7, Winter Storms and Polar Vortex Cold Wave (subset of 44-45 US deaths)--	6-7
2015 – Dec 26-27, Flooding , Christian County, Edinburg, Patoka vicinity	-- 9

¹⁸¹ Six of the dead were family members in the car. One truck driver was killed.

¹⁸² Five student victims and the gunman suicide.

Breakout of Illinois Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 51 – **Disease**, select communicable, especially epidemics. (Plus 61 in “Other.”)
- 40 – **Heat**. (Plus 4 years >10 deaths: 9 in 1984, 8 in 1996 & 2007 and 7 in 2010.)
- 39 – **Fire-Structural**. (Plus at least one with 9 deaths in “Other.”)
- 22 – **Aviation**
- 22 – **Maritime**
- 21 – **Tornadoes**. (Plus one with 6 fatalities in “Other.”)
- 19 – **Mining and Tunneling** (One was miners murdering strike breakers; Plus 9 deaths in 1915.)
- 19 – **Rail**. (Plus two – one with 9 deaths in 1889; one with 7 in 1995 in “Other.”)
- 15 – **Explosions** (not including maritime or mining). Plus one in 1921 with 8 deaths.
- 15 – **Violence** (Plus six with 5- in “Other.”)
- 10 – **Winter Weather**. (Plus 2 years <10 deaths: 8 in Jan 1985, and 6-7 in Jan 2014.)
- 7 – **Structural failure/construction-related**. (Plus one with 5 deaths in “Other.”)
- 5 – **Vehicular/Road/Highway** (Plus two with seven deaths each in “Other.”)
- 2 – **Flooding**. (Plus one flood event in 2015 with nine deaths in “Other.”)
- 1 – **Carbon Monoxide Poisoning**.
- 1 – **Swimming Drownings**.
- 1 – **Lightning**.
- 1 -- **Wood Alcohol Poisoning**.

1.	1812 – Sep 4-5, Massacre of Settlers , by Shawnee, Pigeon Roost Settlement, IN	--	23
2.	1832 – Summer-Fall, Cholera Epidemic, Aurora (pop. only “few hundred,” Madison	--47-57	
3.	1833 – Cholera Epidemic, Indiana College, Salem, IN	--	127
4.	1835 – June 10-July 9, Cholera Epidemics, Madison (32) and Charlestown (8)	--	43
5.	1844 – Oct 23, Lucy Walker Boiler Explosion/Fire, Ohio Riv., near New Albany IN	--18-100	
6.	1849 – Sum-Fall (esp.), Cholera , esp. Aurora, Lafayette, Madison, Washington--1,312-1,320		
7.	1850 – Spring-Fall, Cholera , esp. IN Penitentiary and Canal construction laborers ¹⁸³	--	55
8.	1851 – Sum-Fall, Cholera , esp. Evansville, Newport, Bloomington, Pt. Commerce, IN--	132	
9.	1852 – Apr 26, Steamers Collide, Chickasaw/W.B. Clifton , French Is., Evansville IN--	20	
10.	1852 – Apr 30, Tornado , New Harmony, IN	--	16
11.	1854 – Mar 13/14, Steamboat Reindeer Burst Flue , Ohio River, Cannelton, IN	--38-46	
12.	1854 – July, Cholera , Bedford, Indianapolis, Lafayette, Laporte, Mercer County, IN	--	12
13.	1854 – Aug 02, Steamer Cape May Snags , Mt. Vernon, IN	--	18
14.	1858 – Jan 28, Steamer Fanny Fern Boiler Explos. , OH River, ~Lawrenceburg, IN	--13-20	
15.	1859 – Jun 28, Springbrook Bridge Fails Under Train , Mishawaka, IN	--	41
16.	1860 – Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths-	779	
17.	1860 – Measles (IN subset of 3,900 measles deaths nationwide) ¹⁸⁴	--	196
18.	1860 – Scarlet Fever (IN subset of 26,402 deaths, 38 Census States & DC) ¹⁸⁵	--1,437	
19.	1860 – Typhoid Fever (IN subset of 19,236 deaths in 38 “registration” States and DC)--	963	
20.	1866 – Jan 30, Steamer Missouri Boiler Explosion , Ohio Riv. near Newburg, IN	--60-100	
21.	1869 – Oct 01, Boiler Explosion , Power Hall, State Fair, Indianapolis, IN	--21--27	
22.	1870 – Croup (IN subset of 10,692 deaths nationwide)	--	478
23.	1870 – Typhoid Fever (IN subset of 22,187 typhoid fever deaths nationwide)	--1,029	
24.	1870 – Typhus (IN subset of 1,770 typhus deaths nationwide) ¹⁸⁶	--	172
25.	1870 – Whooping Cough (IN subset of 9,008 whooping cough deaths nationwide)	--	449
26.	1873 – June-mid-Aug, Cholera , esp. 13 locations, esp. Mount Vernon & Indianapolis--	301	
27.	1874 – Aug 5, Steamboat Pat Rogers Burns , Ohio River below Aurora, IN	--47-50	
28.	1879 – June-May 1880, Croup, esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)--	636	
29.	1879 – June-May 1880, “Malarial Fever,” (IN subset, 20,231 such deaths nationwide)--	869	
30.	1879 – June-May 1880, Measles, esp. children (IN subset, 8,254 U.S. measles deaths)--	493	
31.	1879 – June-May 1880, Scarlet Fever, esp. children (IN subset, 16,388 US S.F. deaths)	--1,212	
32.	1879 – June-May 1880, Tuberculosis (IN subset of 91,270 TB deaths nationwide)	--3,753	
33.	1879 – June-May 1880, Typhoid Fever (IN subset of 23,339 U.S. Typhoid deaths)	--1,401	
34.	1879 – June-May 1880, Whooping Cough (IN subset, 11,064 U.S. W.C. deaths)	--	687
35.	1882 – Jane-June & late in year, Smallpox, esp. Fort Wayne, Evansville, Mich. City, IN--	87	
36.	1883 – May 28, Tornadoes , ~Clay City, Clay Co., Edinburgh, Johnston Co., IN	--14-20	
37.	1884 – Aug 29, Steamer Belmont Capsizes, High Wind , near Evansville, IN	--13-16	
38.	1886 – May 12, Tornadoes , Warren, Hancock, Fountain Counties IN	--	10
39.	1887 – Oct 10, Train Collision , near Kout, IN	--	10
40.	1890 – Typhoid Fever (IN subset of ~30,000 typhoid deaths nationwide)	--1,074-1,155	

¹⁸³ Was reported that epidemic began July 8 and “within eight days over forty deaths occurred” in Washington, IN.

¹⁸⁴ In terms of largest loss of life by State, IN was 6th, behind NY at 746, OH at 448, MO at 246, PA/227, LA/216.

¹⁸⁵ Second leading known cause of death in the State in 1860, behind consumption.

¹⁸⁶ In terms of large loss of life to typhus by State, IN was 3rd behind NY with 369 and PA with 262 such deaths.

Indiana (continued)

41. 1890 -- Jan 9, Bridge Caisson No. 1, floods , Ohio River, near Jeffersonville, IN ¹⁸⁷	--	14
42. 1890 -- Mar 17, Fire/Bldg. Collapse on firemen , Bowen-Merrill Co., Indianapolis, IN	--	13
43. 1892 -- Jan 21, Fire, Surgical Institute , Illinois and Georgia streets, Indianapolis, IN	--	19
44. 1893 -- May 7, Runaway Train Wreck , Brake Failure, near Lafayette, IN	--	10
45. 1893 -- Sep 23, Train Wreck , Kingsbury, IN	--	10
46. 1893 -- Dec 15, Crane/Span Fall , Bridge construct., Louisville, KY/Jeffersonville, IN ¹⁸⁸	--	21
47. 1894 -- May-June, Smallpox Outbreak , Indianapolis, IN	--	10
48. 1896 -- July 30-Aug 10, Heat , Sunstroke, Heat Prostration, various locations	--	26
49. 1897 -- Typhoid Fever (IN subset of approximately 6,000 deaths nationwide)	--	655
50. 1900 -- Tuberculosis (33,586 IN deaths all causes) (109,750 US tuberculosis deaths)	--	4,232
51. 1900 -- Typhoid Fever (IN subset of 35,379 typhoid fever deaths nationwide)	--	1,496
52. 1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	--	27
53. 1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	--	90
54. 1901 -- Jun 26, Trestle Fails under Train , weakened by recent rain, near Peru, IN	--	16
55. 1902 -- June-Aug (especially July) Heat (subset of 290 heat deaths)	--	11
56. 1903 -- June-Aug (especially first half July), Heat (subset of 520 US heat deaths)	--	17
57. 1903 -- Oct 31, Purdue Football Team Train Wreck , 18 th St., Indianapolis, IN	--	17
58. 1905 -- Mar 10, Mine Explosion , Oswald Mine, Princeton Coal & Mining, Gibson, IN	--	10
59. 1906 -- Nov 12, Trains Collide , Baltimore & Ohio Railroad, near Woodville, IN	--	44-50
60. 1907 -- Tuberculosis (IN subset of 76,650 TB deaths nationwide)	--	3,857
61. 1907 -- Typhoid Fever (IN subset of approximately 13,000 typhoid deaths nationwide)	--	948
62. 1907 -- Jan 19, Train Car Explosion (Powder), Big Four Railroad, Sandford, IN	--	29-34
63. 1907 -- Jan 19, Trains Collide in Fog, Big Four Line, Fowler, IN	--	23-29
64. 1907 -- Oct 15, Powder Explosion , DuPont Powder Mill, Fontanet, IN	--	27
65. 1908 -- May 03, Fire, Aveline Hotel , Fort Wayne, IN	--	12
66. 1909 -- Jun 19, Trains Collide , Burns Harbor, IN	--	12
67. 1910 -- Heat , esp. Fort Wayne, Indianapolis, Lafayette, Marion, Mishawaka, IN	--	10
68. 1910 -- Sep 21, Interurban Electric Train Car (Trolley) Crash , Kingsland, IN	--	39-42
69. 1911 -- July 1-6, Heat , various locations, IN	--	30-32
70. 1912 -- Nov 13, Trains Collide , Indianapolis, IN	--	15
71. 1913 -- March 23, Tornado , Terre Haute and vicinity, IN	--	21-22
72. 1913 -- Mar-23-27, Flooding , IN (subset of 732 fatalities, multiple rivers)	--	60-100
73. 1913 -- June 27-July 1, Heat , various locations, IN	--	20
74. 1916 -- Diphtheria , especially children, IN	--	384
75. 1916 -- July 1-30, Heat , especially Gary and Indianapolis, IN	--	~50
76. 1917 -- Mar 11, Tornado , Henry and White Counties, esp. New Castle, IN	--	24-26
77. 1917 -- Mar 23, Tornado , New Albany, Floyd County, IN	--	45-46
78. 1918 -- Typhoid Fever (IN subset of 9,100 U.S. Typhoid Fever deaths)	--	396
79. 1918 -- June 22, Trains Collide , Hammond Circus Train Wreck, Ivanhoe, IN	--	86
80. 1918 -- Sep-Apr, 1919, Influenza and Pneumonia Epidemic , IN	--	13,977
1918 -- Sep-Dec, Influenza and Pneumonia Epidemic , IN	--	9,021

¹⁸⁷ Cross-listed in Kentucky in that most if not all the fatalities were Louisville, KY workers.

¹⁸⁸ Cross-listed in Kentucky. The crane fall, knocking a span loose, happened on the Indiana side of the bridge over the Ohio River. More of the fatalities, however, lived in Kentucky than in any other state.

Indiana (continued)

81.	1920 – Influenza and Pneumonia, IN	--6,230
82.	1920 – Scarlet Fever (IN subset, 4,004 scarlet fever deaths, 34 registration states) ¹⁸⁹	-- 212
83.	1920 – March 28, Tornadoes, Allen, Lake, Porter, Wells Counties, IN	-- 14
84.	1921 – Feb 27, Trains Collide, NY Central & MI Central RR, Porter, IN	-- 37
85.	1922 – Apr 17, Tornado, Warren County, IN	-- 11
86.	1924 – Feb 2, Interurban Traction Trains collide/fire, edge of Alfont, IN	--19-21
87.	1924 – Jun 01, Train Derailment and Collision, Wabash RR, Williamsport, IN	-- 13
88.	1925 – Feb 20, Mine Explosion, City Coal Mine, Sullivan, IN	-- 52
89.	1925 – Mar 18, Tri-State Tornado, IN	-- 75
90.	1925 – Jun 08, Train Derailment, Chesapeake & Ohio Railway, near Converse, IN	-- 12
91.	1926 – Dec 09, Mine Explosion, Francisco No. 2 Coal Mine, Francisco, IN	-- 37
92.	1927 – Oct 14, Interurban Railcar hits truck-trailer with people, Indianapolis, IN	--20-21
93.	1931 – Influenza (IN subset of 31,701 influenza deaths nationwide)	--1,207
94.	1931 – Jan 28, Mine Gas Explosion, Little Betty Coal Mine, Dugger, near Linton, IN	-- 28
95.	1931 – Summer, especially Jun 27-Jul 17, Aug 1, Heat, IN	-- 113
96.	1933 – May 12-15, Floods and Flooding, esp. Wabash and White Rivers, IN	-- 11
97.	1933 – Oct 10, Plane Bombing/Sabotage, United Airlines, Chesterton, IN	-- 10
98.	1933 – Dec 26-28, Winter Storm/Coldwave, Pacific NW, Upper Mid-West, NE, IN ¹⁹⁰	-- 10
99.	1934 – July 20-27 Heat, statewide (IN subset of 1,425-1,683 fatalities nationwide)	--58-83
100.	1936 – July, Heat, Logansport, IN	-- 11
101.	1937 -- Jan 5-Feb 15 (generally), Flooding, OH and MS River Valley areas	-- 12
102.	1937 – July 15, Coal Mine Explosion, Baker Coal Mine, Sullivan, IN	-- 20
103.	1939 – Influenza & Pneumonia (subset, 99,097 US influenza/pneumonia deaths)	--3,005
104.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 14
105.	1940 – Influenza & Pneumonia (subset of 92,525 US flu and pneumonia deaths)	--2,565
106.	1941 – May 22, Coal Mine Explosion, Panhandle No. 2 Coal Mine, Bicknell, IN	-- 14
107.	1943 – Apr 21, Plane Crash, USAAF C-69A, Evansville Municipal Airport, IN	-- 10
108.	1944 – Influenza (IN subset, 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec--	815
109.	1944 – Sep 14, Train Collision, Terre Haute, IN	-- 29
110.	1947 – Feb 17, Bus-Train Collision, Michigan City, IN	-- 13
111.	1948 – Mar 26, Tornadoes, Clay, Putnam, Hendricks, Madison Counties, IN	-- 20
112.	1948 – July 27, Coal Mine Explosion, King Coal Mine, Princeton, IN	-- 13
113.	1949 – Aug 10, Greyhound Bus hits bridge, rolls and burns, IN 37 ~Bloomington, IN	--16
114.	1950 – Nov 24-27, East US “Storm of the Century,” subset for IN	-- 18
115.	1951 – Jan 27-Feb 8, Cold Waves, Winter Storms, ice, sleet, snow, IN ¹⁹¹	-- 30
116.	1951 – Apr 28, United Air Flight 129 Downdraft Crash, near Fort Wayne, IN	-- 11
117.	1952 – Polio Outbreak, especially children, IN ¹⁹²	-- 118
118.	1956 – Oct 03, Two Automobiles collide head-on near Muncie, IN	-- 10

¹⁸⁹ IN had 4th highest State death rate at 7.2 per 100,000, compared to 34 registration state average of 4.6.

¹⁹⁰ IN Subset of storm taking 102-145 lives.

¹⁹¹ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

¹⁹² In terms of largest loss of life by States, IN was 4th, after TX with 313, MN with 188 and IA with 156 deaths.

Indiana (continued)

119.	1957 – Jan 14-17, Winter Snowstorms , Cold	--	12
120.	1960 – Mar 2-5, Snowstorm , IN	--	12
121.	1960 – Mar 17, Plane Break-up/Crash, Northwest Flight 710 , near Tell City IN	--	63
122.	1961 – Mar 02, Viking Coal Mine air dust Explosion , near Terre Haute, IN	--	22
123.	1963 – Jan 02, Natural Gas Explosion , Home Meat Packing Co., Terre Haute, IN	--	17
124.	1963 – Oct 31, Bottled Propane Gas Tank Explosion , Indianapolis Coliseum, IN	--74-75	
125.	1964 – Dec 18, Maples (McGraw) Convalescent Home Fire , Fountaintown, IN	--	20
126.	1965 – Apr 11-12, Palm Sunday Tornado Outbreak , multiple counties, IN	--	136
127.	1967 – Jan 26-27, Great Midwest Blizzard (100-111), IN subset	--	15
128.	1968 – Apr 06, Gas & Gunpowder Explosion, Fire , Marting Arms, Richmond, IN	--	41
129.	1968 – Aug 31, In-Crowd Lounge/Apartment Fire (possibly Arson), Gary, IN	--	13
130.	1969 – Sep 09, Allegheny Air Flight 853 Collision With Piper , Fairfield, IN	--	83
131.	1974 – Apr 03, Tornadoes , multiple counties, esp. Jefferson and White counties, IN	47-49	
132.	1977 – Dec 13, Plane Crash, Univ. of Evansville Basketball Charter , Evansville, IN	--	29
133.	1980 -- June-Aug, esp., Heat , esp. counties of Marion/6, Knox/5, Vanderburgh/4, IN	--	27
134.	1982 -- Jan 8-18, Extreme Winter Cold and ice and snow storms	--	7-10
135.	1983 – Summer Heat , esp. July 15-30, 12 Counties, esp. Marion (6), IN; US toll 597)	--	25
136.	1986 -- Summer Heat , IN (subset of >400 U.S. heat-related fatalities)	--	~10
137.	1987 -- Summer Heat , State substate of approximately 387 U.S. heat deaths	--	11
138.	1987 – Oct 20, USAF A-7D Jet Crash , Ramada Inn, Wayne Twp., ~Indianapolis, IN	--	10
139.	1988 – Summer Heat , especially Lake and Marion Counties, IN	--39-44	
140.	1992 – Feb 6, KY ANG C-130 Hercules Crash , Hotel/Rest. Complex, Evansville, IN	--	17
141.	1995 – July 13-16, Aug 12–21, Heat , IN	--	15
142.	1994 – Oct 31, Plane Crash, American Eagle Flight 4148 , Icing, near Roselawn IN	--	68
143.	1999 – Summer Heat , esp. late July-early Aug, (IN subset, 1,050 US heat deaths)	--	15
144.	2005 – Nov 6, Tornado , Eastbrook Mobile Homes, Evansville & Warrick Co., IN ¹⁹³	--24-25	
145.	2006 – Summer Heat (IN subset of 912 U.S. heat-related deaths)	--	10
146.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--38-39	
147.	2011 – Summer Heat (IN subset of 719-724 U.S. heat-related deaths)	--	11
148.	2012 – Fungal Meningitis due to tainted steroid injections , IN	--	11
149.	2012 – Mar 02, Tornadoes , Chelsea, Henryville, Holton, Scott; Washington Co., IN	12-13	
150.	2012 -- Summer Heat (IN subset of 598 U.S. heat-related deaths)	--	15

Indiana Select Other Loss of Life Events:

1860 – Tuberculosis , reported as “consumption” (IN subset, 49,082 U.S. TB deaths) ¹⁹⁴	--1,805
1860 – Whooping Cough (IN subset of 8,408 whooping cough deaths nationwide)	-- 323
1870 – Diphtheria (IN subset of 6,303 deaths nationwide)	-- 241
1870 – Measles (IN subset of 9,237 measles deaths nationwide)	-- 201
1870 – Scarlet Fever , especially children (IN subset of 20,339 deaths nationwide)	-- 353
1870 – Tuberculosis (Consumption) (IN subset of ~70,000 TB deaths nationwide)	--2,807

¹⁹³ 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.

¹⁹⁴ Was the leading reported cause of death in the State and in the U.S. in 1860.

Indiana Select Other Loss of Life Events (continued)

1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	192
1879 – June-May 1880, Meningitis (IN subset of 7,481 meningitis deaths nationwide)	--	279
1881 – Oct-Dec 24, Smallpox , esp. Madison, also South Bend, Evansville, Vincennes	--	10-11
1890 – Jan-Mar, Influenza (La Grippe/Russian Flu), Indianapolis, IN	--	54
1891 – June 3, Boiler Explosion , Dusard Brothers' Saw Mill, near Fayetteville, IN	--	5
1896 -- Dec 26, Oswald coal mine explosion , Princeton, IN	--	7
1898 – Typhoid Fever (IN subset, >3,300 typhoid deaths nationwide), esp. Indianapolis ¹⁹⁵	--	130
1909 – Aug 20, Car Racing Wreck , Indianapolis, IN	--	3
1910 – Polio Outbreak, especially children, IN	--	49
1911 – Nov-Dec, Tuberculosis , IN	--	587
1912 – Jan-June, Oct, Smallpox , Bartholomew, Grant, especially St. Joseph Counties	--	12
1912 – Jan-Mar, Tuberculosis , IN	--	1,162
1914 – Aug-Oct, Polio , especially children, IN	--	28
1915 – Aug-Nov, Polio , especially children	--	17
1916 – Polio Outbreak, especially children, IN	--	50
1917 – Polio , esp. June-Sep, especially children (IN subset, ≥1,182 U.S. polio deaths)	--	31
1920 – Diphtheria and Croup (IN subset of 13,395 such deaths in 34 registration states)	--	362
1920 – Measles (IN subset of 7,712 measles deaths in 34 registration states)	--	348
1920 – Smallpox (IN subset of 508 smallpox deaths in 34 registration states)	--	17
1920 – Typhoid Fever (IN subset of 6,805 typhoid fever deaths in 34 registration states)	--	284
1920 -- Whooping Cough (IN subset, 10,968 whooping cough deaths in 34 reg. states)	--	311
1920 -- May 3, Submarine coal mine explosion , Clinton, IN	--	5
1921 – Polio (acute) esp. late Summer-Fall (IN subset, 1,597 U.S. polio deaths)	--	39
1927 – Polio (acute) esp. late Summer-Fall (IN subset, 2,013 polio deaths nationwide)	--	43
1927 – Heat , July 12-15 (IN subset of 126-161 U.S. heatwave deaths)	--	6
1931 – “Epidemic Cerebrospinal Meningitis ,” ¹⁹⁶ (IN subset, 2,832 US meningitis deaths)	--	148
1931 – Diphtheria , especially children (IN subset, 5,738 U.S. diphtheria deaths)	--	138
1931 – Measles , especially children (IN subset, 3,576 measles deaths nationwide)	--	184
1931 – Polio , esp. July-Oct, (IN subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	18
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (IN subset of 1,997 U.S. diphtheria deaths)	--	55
1939 – Tuberculosis (IN subset of 61,609 tuberculosis deaths nationwide)	--	1,285
1939 – Whooping Cough (IN subset of 3,026 whooping cough deaths nationwide)	--	70
1940 – Polio , especially children (IN subset of 1,026 polio deaths nationwide)	--	79
1940 – Tuberculosis (IN subset of 55,576 tuberculosis deaths nationwide)	--	1,285
1940 – Whooping Cough (IN subset of 2,926 whooping cough deaths nationwide)	--	78
1941 – Measles , especially children (IN subset of 2,279 measles deaths nationwide)	--	55
1944 – Cerebrospinal Meningitis (IN subset, 2,812 US cerebrospinal meningitis deaths)	--	76
1944 – Measles , especially Jan-June (IN subset of 1,923 measles deaths nationwide)	--	43
1944 – Polio , the year, especially July-Nov (IN subset, 1,070 polio deaths nationwide)	--	30
1944 – Tuberculosis (IN subset of 54,731 tuberculosis deaths nationwide)	--	1,221

¹⁹⁵ Number is for 55 Indiana soldiers dying of typhoid in various U.S. camps, eleven civilians who died in early to mid Jan (when our search in newspaper archives ended), and 64 Indianapolis deaths for the year. At least eleven soldiers died in Indiana Aug-Oct.

¹⁹⁶ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1944 – Whooping Cough (IN subset of 1,878 whooping cough deaths nationwide)	--	30
1944 – Dec 30, Residential Home Fire , Columbus, IN	--	8
1946 – Polio , especially July-Nov (IN subset of 1,845 polio deaths nationwide)	--	49
1947 -- Apr 30, Spring Hill coal mine explosion , Terre Haute, IN	--	8
1949 – Polio , especially July-Nov (IN subset of ~2,725 polio deaths nationwide)	--	116
1950 – Measles , especially children (IN subset of 468 measles deaths nationwide)	--	20
1950 – Polio , especially July-Nov (IN subset of 1,904 polio deaths nationwide)	--	84
1951 – Polio , especially July-Nov (IN subset of 1,551-1,555 polio deaths nationwide)	--	50
1953 – Polio (IN subset of 1,450 polio deaths nationwide)	--	29
1960 – Measles , especially children (IN subset of 380 measles deaths nationwide)	--	11
1985 -- Jan 20-23, Winter weather, exposure/hypothermia	--	5-6
1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227	--	7
1994 – Jan 14-21, Extreme Cold and Snow , esp. Knox, Marion, Porter, Vanderburgh Co.--	--	8
2001 -- Oct 3, Explosions and fire, Pyro Design and Development near Rochester, IN ¹⁹⁷	--	5
2006 – March 11, Fire, Residential , wood-burning stove probable cause, Shoals, IN	--	6
2008 – Sep 14, Hurricane Ike Remnant Wind and Rain Storm	--	7
2014 – Jan 1-7, Winter Storms and Polar Vortex Cold Wave (subset of 44-45 US deaths)--	--	9
2014 -- Feb 22, House Fire (parents and four children), Indianapolis, IN	--	6

Breakout of **Indiana** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 42 – **Disease**, select communicable, especially epidemics. (Plus 49 in “Other.”)
- 22 – **Heat**. (Plus 2 years <10 deaths --7 in 1985 and 6 deaths in 2012.)
- 20 – **Rail**
- 14 – **Tornadoes**
- 9 – **Aviation**
- 8 – **Maritime and Inland Watercraft**.
- 8 – **Mining**. (Plus 3<10 deaths: 7 in 1896; 5 in 1920; and 8 deaths in 1947 coal mine explos.)
- 7 – **Winter Weather**. (Plus 3 years <10 deaths: 5-6 in Jan 1985, 8 in Jan 1994 and 9 in 2014.)
- 6 – **Explosions, non-maritime and non-mining**. (Plus 2 >10 deaths: 5 in 1891 and 5 in 2001.)
- 5 – **Fire-Structural**. (Plus three -- 8 deaths in 1944, 6 in 2006 and in 2014 in “Other.”)
- 4 – **Structural Failures**
- 3 – **Flooding**.
- 3 – **Vehicular – Highway/Road**
- 2 – **Violence**
- 1 – **Tainted Medication**

¹⁹⁷ 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.	1834 – Apr 12, Steamship <i>St. Louis</i> Boiler Explosion , Des Moines Rapids, IA	--	14
2.	1837 – Aug 15, Steamer <i>Dubuque</i> Boiler Explosion , Miss. Ri. Muscatine Bar, IA	--16-27	
3.	1849 – Summer-Fall, Cholera , especially Keokuk (38), IA	--	111
4.	1850 – ? Spring (for State) and July 4-Aug 8 (for Burlington)	--	~115
5.	1851 – June-Aug, Cholera , esp. Burlington, West Point, Mt. Pleasant, Fort Madison, IA	--132	
6.	1857 – March 8-9, Massacre , Wahpetuke Dakota (Sioux) attack Spirit Lake IA	--35-40	
7.	1860 – Typhoid Fever (IA subset of 19,236 deaths in 38 “registration” States and DC)--	413	
8.	1860 – June 3, Tornadoes , especially Camanche, Clinton County, IA	--	116
9.	1872 – June 17, F5 Tornado , Greene, Boone Story, Marshall, Jasper, Poweshiek IA	--	68
10.	1873 – June 20-Sep 14, Cholera Outbreaks, Burlington and especially Davenport, IA	--	134
11.	1876 – July 4, Storm, Flash Flood, Dam Failure , IA	--41-42	
12.	1876 – July 4, Tornadoes , Warren and Madison Counties, IA.	--	>30
13.	1877 – Aug 29, Bridge washout, Train goes into Little Four Mile Creek, ~Des Moines, IA	--20	
14.	1879 – July-mid to early Aug, Cholera-like Epidemic, Center Point and Walker, IA	--24-28	
15.	1880 – June 09, Tornado , Wheeler’s Grove, Pottawattamie County, IA	--14-20	
16.	1881 – Smallpox , especially Keokuk (9), also Muscatine, Bellevue, Davenport, IA	--	14
17.	1882 – Smallpox , Apr 19-Sep 4, Davenport (11), also Jan-Apr, Keokuk (9), elsewhere--	33	
18.	1882 – June 17, Tornado , 8 Counties, in particular town of Grinnell, IA	--	100
19.	1888 -- Jan 12, Blizzard and Extreme Cold (subset of 315-500 Plains States)	--	10
20.	1892 -- May 18, Floyd River Flood , Sioux City, IA	--	25
21.	1893 – July 6, Tornado , Cherokee/Buena Vista/Pocahontas/Calhoun Counties, IA	--	71
22.	1895 – May 3, Tornadoes , Sioux, Lyon, Osceola, Madison Counties, IA	--	10
23.	1896 – May 24, Tornado , Des Moines, Valeria, IA	--	21
24.	1896 – July 11, Trains Collide head-on, Chicago & Northwestern RR, Logan, IA	--	30
25.	1902 – Jan 24, Coal Mine Explosion , Lost Creek Mining Co. No. 2, Oskaloosa, IA	--	22
26.	1902 – Aug 06, Trains Collide head-on, Work and Freight, near Rhodes, IA	--	13
27.	1903 – May 26, Tornadoes (3) Nodaway Co., MO; Polk/Monroe/Mahaska Co. IA	--	13
28.	1903 – June 19, Trains Collide Head-on, Illinois Central Railroad near Raymond, IA	--	10
29.	1910 – Polio Outbreak, especially children, IA ¹⁹⁸	--	161
30.	1910 – Mar 10, Train Derailment , Rock Island Railroad, Marshalltown, IA	--	49
31.	1910 – Mar 21, Rock Island Train Wreck , Green Mt, Gladbrook, IA	--	47
32.	1911 – July 4 & 9-10, Heat Wave , especially Des Moines, IA	--10-13	
33.	1913 -- March 23, Tornadoes , especially Council Bluffs and vicinity	--	34
34.	1916 – July 5-Aug 9, Heat Wave , especially Dubuque, IA	--	22
35.	1918 – May 21, Tornadoes , 10 Counties, IA	--	19
36.	1918 – June 29, Structural Failure , Ruff Building, Sioux City, IA	--	39
37.	1918 – Sep-Dec, Influenza Epidemic , IA	--7,954	
38.	1919 – May 22, Dust Explosion/Fire , Douglas Starch Works, Cedar Rapids, IA	--40-48	
39.	1924 – Aug 28, Explosion , Ammonia Refrigeration Tank, Grocery, Des Moines, IA ¹⁹⁹ --	11	
40.	1931 – Summer, especially June-July 1, July 16-30, Heat Waves , IA	--	211
41.	1934 – July and Aug 4-15, Heat Waves , IA (subset of 1,683 fatalities nationwide)	--	85
42.	1936 – July 1-17, Heat Wave , IA	--	400

¹⁹⁸ In terms of total loss of life to Polio by State in 1910, IA was third behind PA with 269 and NY with 170 deaths.

¹⁹⁹ Ten of the eleven died after the explosion from exposure to the ammonia fumes.

Iowa (continued)

43.	1937 – Oct 22, School Bus hit by Train , Rock Island Line <i>Rocket</i> , Mason City, IA	--	10
44.	1941 – Dec 12, Explosion , Melt Unit, Iowa Ordnance Plant , Burlington, IA	--	13
45.	1942 – March 4, Explosion , Iowa Ordnance Plant , Burlington, IA	--	22
46.	1942 – Nov 30, Plane Crash , US Army AF B-17 near Sioux City, IA	--	10
47.	1943 – Sep 2, Plane Crash , USAAF B-24E, near Army Air Base, Sioux City, IA	--	10
48.	1944 – Mar 6, Plane Crash , USAAF B-17G, near Maxwell, IA	--	10
49.	1944 – May 26, USAAF B-17G Plane Crash , Ronald Horn farm, near Anthon, IA	--	10-11
50.	1944 – Sep 28 Trains Collide , North Western Railroad, near Missouri Valley, IA	--	10
51.	1946 – June 9, Fire , Canfield Hotel , Dubuque, IA	--	19
52.	1949 – Dec 14, Natural Gas Explosion , Swift & Co. Packing House, Sioux City, IA	--	21
53.	1950 – Jan 7, Fire , Mercy Hospital , Davenport, IA	--	41
54.	1951 – Mar 2, Plane Crash , Mid-Continent Airlines Approach , Sioux City, IA	--	16
55.	1953 -- June 8, Floyd River Flood , Sioux City, IA	--	14
56.	1954 – Aug 22, Plane Crash (Storm) , Braniff Airways , south of Mason City, IA	--	12
57.	1957 – Feb 13, Fire , Council Bluffs Convalescent Home , Council Bluffs, IA	--	16-17
58.	1965 – Nov 24, Natural Gas explosion/fire , Nat. Guard Armory dance, Keokuk, IA	--	21
59.	1968 – May 15, Tornado , Butler, Chickasaw, Floyd, Franklin, Howard Co.'s, IA	--	13
60.	1968 – May 15, Tornado , Franklin/Butler/Floyd/Chickasaw/Howard Counties, IA	--	13
61.	1971 – Jan 4, Blizzard , KS, WI, and especially IA	--	27
62.	1973 – Feb 3, Gas Explosion , Coast-to-Coast Store , Eagle Grove , IA	--	14
63.	1975 – Jan 10-12, Blizzard , Granville, Rembrandt, Spencer and elsewhere, IA	--	13
64.	1978 – Nov 5, Fire , Younkers Department Store , Des Moines, IA	--	10
65.	1980 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), IA--	--	18
66.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), IA--	--	12
67.	1982 -- Jan 9-17, Extreme Cold and snow storms , IA	--	11
68.	1983 -- Summer Heat , esp. mid-to-late July, deaths in 15 IA counties; (US toll 597)	--	19
69.	1987 -- Summer Heat , State substate of approximately 387 U.S. heat deaths	--	15
70.	1989 – July 19, United Flight 232 hydraulic system failure/crash, Sioux City, IA ²⁰⁰	--	112
71.	1993 – Summer Flooding , Great Midwest Flood of 1993, IA	--	5-17
72.	1995 – Summer Heat (IA subset of 1,563-1,601 U.S. heat-related deaths)	--	17
73.	2002 – Oct 13, Decomposed bodies of illegals found in railcar , Denison, IA ²⁰¹	--	11
74.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--	41

Iowa Select Other Loss of Life Events:

1801-1802 --	Smallpox , Native Americans, especially the Iowa and Omaha ²⁰²	--	?
1860 –	Croup (contagious upper airway viral infection), IA subset 15,188 US croup deaths--	460	
1860 –	Measles (IA subset of 3,900 measles deaths nationwide)	--	44
1860 –	Scarlet Fever (IA subset of 26,402 deaths in 38 Census States & DC)	--	337

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

²⁰¹ Immigrants likely died in TX or OK, but were found about four months later after railcar was moved to Iowa.

²⁰² We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

Iowa Select Other Loss of Life Events (continued)

1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ²⁰³	--	748
1860 – Whooping Cough (IA subset of 8,408 whooping cough deaths nationwide)	--	212
1870 – Croup (IA subset of 10,692 croup deaths nationwide)	--	163
1870 – Diphtheria (IA subset of 6,303 diphtheria deaths nationwide)	--	148
1870 – Measles (IA subset of 9,237 measles deaths nationwide)	--	268
1870 – Scarlet Fever , especially children (IA subset of 20,339 deaths nationwide)	--	325
1870 – Tuberculosis (Consumption) (IA subset of ~70,000 TB deaths nationwide)	--	1,313
1870 – Typhoid Fever (IA subset of 22,187 typhoid fever deaths nationwide)	--	521
1870 – Typhus (IA subset of 1,770 typhus deaths nationwide)	--	45
1870 – Whooping Cough (IA subset of 9,008 whooping cough deaths nationwide)	--	337
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	618
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	2,315
1879 – June-May 1880, “ Malarial Fever ,” (IA subset, 20,231 such deaths nationwide)	--	432
1879 – June-May 1880, Measles , esp. children (IA subset, 8,254 U.S. measles deaths)	--	172
1879 – June-May 1880, Meningitis (IA subset of 7,481 meningitis deaths nationwide)	--	101
1879 – June-May 1880, Scarlet Fever , esp. children (IA subset, 16,388 U.S. S.F, deaths)	--	609
1879 – June-May 1880, Tuberculosis (IA subset of 91,270 TB deaths nationwide)	--	1,909
1879 – June-May 1880, Typhoid Fever (IA subset of 23,339 U.S. Typhoid deaths)	--	720
1879 – June-May 1880, Whooping Cough (IA subset, 11,064 U.S. W.C. deaths)	--	141
1888 – Apr 05, Train derails , bridge damaged by ice gorge, near New Hampton, IA	--	5
1890 – Jan-Feb, Influenza (La Grippe/Russian Flu), especially Des Moines, Dubuque	--	52
1890 – Typhoid Fever (IA subset of ~30,000 typhoid deaths nationwide)	--	378
1893 -- Feb 14, Chicago & Iowa coal mine explosion, Albia, IA	--	8
1898 – Typhoid Fever (IA subset of 3,064 typhoid fever deaths nationwide) ²⁰⁴	--	≥124
1900 – Tuberculosis (19,573 IA deaths all causes) (109,750 US tuberculosis deaths)	--	1,805
1900 – Typhoid Fever (IA subset of 35,379 typhoid fever deaths nationwide)	--	549
1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	--	7
1903 – Feb 20, Fire, Clifton Hotel , Cedar Rapids, IA	--	6
1914 – Aug-Oct, Polio , especially children, IA	--	16
1915 – Dec 15-31, Influenza and Pneumonia subset of larger epidemic, Madison County--	--	10
1916 – Diphtheria , especially children	--	96
1916 – Aug-Nov 13, Polio Outbreak, especially children, IA	--	51
1918 – July 11-Oct 2, Polio Outbreak, especially children, especially Dubuque, IA	--	16
1912 – June 10, Family and two girls Murdered in Sleep with Axe , Villisca, IA	--	8
1927 – Polio (acute) esp. late Summer and Fall (subset, 2,013 polio deaths nationwide)	--	28
1931 – “ Epidemic Cerebrospinal Meningitis ,” ²⁰⁵ (IA subset, 2,832 US meningitis deaths)--	--	53
1931 – Diphtheria , especially children (IA subset of 5,738 U.S. diphtheria deaths)	--	50
1931 – Influenza (IA subset of 31,701 influenza deaths nationwide)	--	609
1931 – Polio , esp. July-Oct, (IA subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	40
1939 – Influenza and Pneumonia (IA subset, 99,097 U.S. influenza/pneumonia deaths)	--	2,018

²⁰³ Was the leading reported cause of death in the State and in the U.S. in 1860.

²⁰⁴ This number is for soldiers of the 49th, 50th and 52nd Iowa Volunteers, and for 5 civilians noted in Jan newspaper reports. There were undoubtedly more such deaths. At least 21 of the military typhoid deaths took place in Iowa.

²⁰⁵ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Iowa Select Other Loss of Life Events (continued)

1939 – Tuberculosis (IA subset of 61,609 tuberculosis deaths nationwide)	--	450
1939 – Whooping Cough (IA subset of 3,026 whooping cough deaths nationwide)	--	46
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	8
1940 – Influenza and Pneumonia (IA subset of 92,525 U.S. flu and pneumonia deaths)	--	1,687
1940 – Polio (IA subset of 1,026 polio deaths nationwide)	--	64
1940 – Tuberculosis (IA subset of 55,576 tuberculosis deaths nationwide)	--	399
1940 – Whooping Cough (IA subset of 2,926 whooping cough deaths nationwide)	--	26
1941 – Measles , especially children (IA subset of 2,279 measles deaths nationwide)	--	19
1944 – Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	--	21
1944 – Influenza (IA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	465
1944 – Measles , especially Jan-June (IA subset of 1,923 measles deaths nationwide)	--	31
1944 – Polio , especially July-Nov (IA subset of 1,070 polio deaths nationwide)	--	16
1944 – Tuberculosis (IA subset of 54,731 tuberculosis deaths nationwide)	--	341
1944 – Whooping Cough (IA subset of 1,878 whooping cough deaths nationwide)	--	26
1946 – Polio , especially July-Nov (IA subset of 1,845 polio deaths nationwide)	--	53
1948 – Polio , especially children (IA subset of 1,895 polio deaths nationwide)	--	76
1949 – Polio , especially July-Nov (IA subset of ~2,725 polio deaths nationwide)	--	86-90
1950 – Measles , especially children (IA subset of 468 measles deaths nationwide)	--	16
1950 – Polio , especially July-Nov (IA subset of 1,904 polio deaths nationwide)	--	64
1951 – Polio , especially July-Nov (IA subset of 1,551-1,555 polio deaths nationwide)	--	17
1952 – Polio , especially children, IA	--	156
1952 – Nov 25-26, Winter Storm (subset of approximately 38 deaths nationwide)	--	7
1953 – Polio (IA subset of 1,450 polio deaths nationwide)	--	25
1953 -- March 30, O'Brien coal mine explosion , Lovilia, IA	--	5
1991 – Nov 01, Gang Lu Killing Spree , University of Iowa, Iowa City, IA ²⁰⁶	--	5-6
1995 – July 12-14, Heat , Burlington, Des Moines, Marshalltown, IA	--	5
1998 – Dec 30-Jan 3, 1999, Winter storms	--	6-7
2001 – Summer, Heat , Iowa	--	5
2003 – Jan 2, Pickup carrying illegals crashes into tractor trailer , I-80 near Menlo, IA	--	9
2007 – Jan 12-15, Ice and Winter Storm , IA	--	8
2014 -- Jan 24, House fire kills mother, two children, 2 male adults , near Arlington, IA	--	5

Breakout of **Iowa** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 13 – **Tornadoes**.
- 10 – **Disease**, select communicable, especially epidemics. (Plus 58 in “Other.”)
- 10 – **Heat**. (Plus four years, fewer than 10 deaths – 8 in 1939, 7 in 1901, 5 in 1995, 5 in 2001.)
- 8 – **Rail**.
- 7 – **Aviation**
- 7 – **Explosions**.
- 5 – **Fire, structural**. Plus 2 -- 6 deaths in 1903, and 5 in 2014 in “Other.”
- 5 – **Flooding**.
- 4 – **Winter Weather/Storms**. (Plus 3 – 7 deaths in 1952, 6-7 in 1998/99, one with 8 in 2007.)

²⁰⁶ Four University of Iowa faculty and one student killed before gunman commits suicide.

- 3 – **Structural Failure.**
- 2 – **Maritime and Inland watercraft.**
- 2 – **Violence.** (Plus two – one with 8 deaths and one with 5-6 in “Other.”.)
- 1 – **Mining.** (Plus 2 events <10 deaths: 8 in 1893 and 5 in 1953 coal mine explosion.)
- 1 – **Vehicular/Road/Highway.** (Plus **one** with 9 deaths in “Other.”)

KS

Kansas

1.	1849 – Cholera Epidemics, Kansas City and Fort Leavenworth	--	35
2.	1851 – May-July, Cholera Epidemics, Fort Leavenworth and Fort Atkinson	--	~61
3.	1852 – Cholera Epidemic, Atchison	--	15
4.	1854 – Cholera , Atchison, Westport, KS	--	≥10
5.	1855 – May-Oct, Cholera , especially Fort Leavenworth, and Fort Riley, KS	--	161
6.	1863 – Aug 21, Violence-Attack, “ Massacre ” by Quantrell’s Raiders , Lawrence, KS--	191	
7.	1868 – Aug ~14-16, Cheyenne Raids on settlers in and around Asher Creek, KS	--	~12
8.	1872-1873 – Bloody Benders Serial Murders , Labette County, KS	--	~11
9.	1879 – June-May 1880, Measles , esp. children (KS subset, 8,254 US measles deaths) ²⁰⁷	--	496
10.	1882 – Jan-Apr esp., Smallpox , esp. Johnson Co. (26); also Gould Vic., elsewhere, KS--	53	
11.	1887 – Apr 21, Tornado , Anderson, Linn Counties (Prescott), KS	--	21
12.	1888 – Nov 09, Coal Mine Explosion , Shaft No. 2 Frontenac, KS	--	40
13.	1892 – Mar 31, Tornadoes , Ottawa/Sumner/Sedgwick/Butler & other KS Counties	--	25
14.	1892 – May 27, Tornado , Barber, Harper, and Sumner Counties, KS	--	17
15.	1893 – June 21, Tornado , Jefferson County, KS	--	11
16.	1895 – May 01, Tornado , Halstead, KS	--	10
17.	1895 – July 4-7 Storms, Flooding , esp. Baxter Springs, Ottawa, Columbus, Paola, KS--	10	
18.	1897 – Sep 08, Trains Collide, Santa Fe Railroad , near Emporia, KS	--	30
19.	1903 – Dec 21, Train Wreck, St. Louis & SF Train , Near Fort Scott, KS	--	10
20.	1904 – Jan 06, Two Rock Island Trains Collide , near Willard & Topeka, KS	--	20
21.	1904 – Oct 10, Train Collision, Freight/Passenger , near Warrensburg, MO ²⁰⁸	--	21
22.	1905 – May 08, Tornado , McPherson and Saline Counties, KS	--	34
23.	1906 – Oct 25, Fire, Chamber of Commerce Building , Kansas City, KS	--	15
24.	1907 – Jan 2, Rock Island RR Trains 29#2 & 30 Collide , Fire, near Volland, KS	--	32-35
25.	1909 – Oct 08, Trains Collide , Topeka, KS	--	17
26.	1910 – Smallpox , (KS subset of 403-415 smallpox deaths in 23 reporting States)	--	12
27.	1911 – May-Oct, Smallpox , especially Topeka (23), also Osage County (3), KS	--	26
28.	1915 – Oct 16, Flash Flooding, Bridge Fails, Train Derails , Randolph, KS	--	11
29.	1915 – Nov 10, Tornado , Pawnee and Barton Counties, KS	--	11
30.	1916 – Dec 13, Mine Explosion , Fidelity No. 9 Coal Mine, Stone City, KS	--	20
31.	1917 – May 25, Tornado , Sedgwick, Harvey, Marion Counties, KS	--	23
32.	1917 – June 05, Tornadoes , Shawnee/Jackson/Jefferson/Douglas Counties, KS	--	10
33.	1918 – Sep-Apr, 1919, Influenza and Pneumonia Epidemic , KS	--	9,729
	1918 – Sep-Dec, Influenza and Pneumonia Epidemic, KS	--	6,825
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, KS	--	2,904
34.	1919 – May 21, Tornado , Ellis and Rooks Counties, KS	--	10
35.	1919 – Nov 17, Explosion, Oil Tank , Standard Oil Co., Hays, KS	--	10
36.	1920 – Jan-Dec, Influenza and Pneumonia , KS	--	3,201
37.	1923 – Feb 23, Fire, Garage and Apartments , Hatley Building, Kansas City, KS	--	13
38.	1927 – May 07, Tornado , Comanche/Barber/Kingman/Reno/McPherson Ct’s, KS	--	10
39.	1931 – June 26-July, Heat , KS	--	76
40.	1934 – July, Heat , esp. Wyandotte, Shawnee, Miami, Douglas counties, KS	--	206

²⁰⁷ In terms of large loss of life by State KS was third, behind MO with 666 measles deaths and GA with 496.

²⁰⁸ Cross-listed in KS in that 21 of 29 fatalities were from Kansas.

Kansas (continued)

41. 1935 -- May 30-June 1, Downbursts/Flooding , esp. Republican/Kansas Rivers	--	12
42. 1936 -- July 5-20, Heat , KS	--	41
43. 1938 -- Mar 30, Tornado , F4, Craig Co., OK; Labette/Cherokee Counties, KS	--	10
44. 1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	22
45. 1942 -- Apr 29, Tornado , Allen, Bourbon, Linn Counties, KS	--	15
46. 1943 -- Jan 06, Plane Crash , USAAF B-24, White City, KS	--	11
47. 1943 -- July 03, Plane Crash , USAAF B-17F, White City, KS	--	10
48. 1943 -- Aug 14, Plane Crash , USAAF B-24E, near Ellsworth, KS	--	11
49. 1943 -- Sep 22, Plane Crash , USAAF B-24D, near Waldo, KS	--	11
50. 1943 -- Oct 24, Plane Crash , USAAF, Smokey Hill Army Air Field, Salina, KS	--	10
51. 1943 -- Nov 25, Planes Collide USAAF B-24E's, near Army Air Field, Liberal, KS	--	11
52. 1944 -- Sep 17, Plane Crash , Liberal AA Field USAAF B-29, near Copeland, KS ²⁰⁹	--	12
53. 1944 -- Oct 24, Plane Crash , USAAF B-17F, near Russell, KS	--	12
54. 1944 -- Dec 30, Plane Fire/Crash , USAAF B-29, near Walker AAF, KS	--	10
55. 1945 -- July 17, Plane Crash , USAAF B-17F, near Smoky Hill AAB, Salina, KS	--	10
56. 1945 -- Sep 15, Plane Crash , USAAF C-47, Kansas City-Fairfax Field, KS	--	23
57. 1946 -- July 18, Plane Crash , U.S. Army Air Corps Transport C-47, near Goodland, KS--	13	
58. 1951 -- July, Kansas Flooding , especially Manhattan, Topeka, Lawrence, KS	--	24
59. 1955 -- May 25, Tornadoes , Udall; Kay, Sumner, Cowley Counties, KS	--	80
60. 1958 -- Jun 10, Tornado , F4, El Dorado, Butler County, KS	--	15
61. 1965 -- Jan 16, Plane Crash , USAF SAC Tanker, Neighborhood, Wichita, KS	--	30
62. 1966 -- June 8, Tornado , Topeka, Shawnee, KS	--	16-17
63. 1974, Jan 15-Jan 19, 1991-- D. Rader serial murders , Wichita area, Sedgwick Co., KS--	10	
64. 1978 -- June 17, Tornado , Showboat <i>Whippoorwill</i> capsized, Pomona Lake, KS	--	16
65. 1980 -- June-Aug (esp.), Heat (esp. counties of Wyandotte/37, Shawnee/18, Sedgwick/9--	134	
66. 1991 -- April 26, Tornadoes , deaths in Counties of Butler/13, Elk/1, Sedgwick/4, KS	--	18
67. 2006 -- Heat , July 12-Aug 9, especially Wichita, also Montgomery, Allen Counties	--	18
68. 2007 -- May 4, Tornado outbreak , Greensburg (11), Hopewell (1), Macksville (1), KS--	13	
69. 2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--	29
70. 2011 -- May 9-Summer, Heat (KS subset of 719-725 U.S. heat-related deaths)	--	25

Kansas Select Other Loss of Life Events:

1856 -- May 24/25, John Brown men kill pro-slavery men ~Pottawatomie Creek, Franklin County--	5	
1856 -- Aug 30, Pro-slavery force attacks Osawatimie (John Brown) , Miami Co., KS	--	5-8
1858 -- May 19, Marias des Cygnes Massacre, pro-slavery force raid , Trading Post, KS--	5	
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	81
1860 -- Scarlet Fever (KS subset, of 26,402 deaths in 38 Census States & DC)	--	61
1860 -- Tuberculosis , reported as "consumption" (KS subset, 49,082 death nationwide) ²¹⁰ --	117	
1860 -- Whooping Cough (KS subset of 8,408 whooping cough deaths nationwide)	--	39
1870 -- Croup (KS subset of 10,692 deaths nationwide)	--	164
1870 -- Measles (KS subset of 9,237 measles deaths nationwide)	--	126

²⁰⁹ Crash into farmhouse killing grandfather and one-year-old grandson, in addition to ten U.S. service crewmen.

²¹⁰ Was the leading reported cause of death in the State and in the U.S. in 1860.

Kansas Select Other Loss of Events (continued)

1870 – Scarlet Fever , especially children (KS subset of 20,339 deaths nationwide)	--	354
1870 – Tuberculosis (Consumption) (KS subset of ~70,000 TB deaths nationwide)	--	413
1870 – Typhoid Fever (KS subset of 22,187 typhoid fever deaths nationwide)	--	204
1870 – Typhus (KS subset of 1,770 typhus deaths nationwide)	--	20
1870 – Whooping Cough (KS subset of 9,008 whooping cough deaths nationwide)	--	124
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	526
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	690
1879 – June-May 1880, “ Malarial Fever ,” (KS subset, 20,231 such deaths nationwide)	--	722
1879 – June-May 1880, Meningitis (State subset of 7,481 meningitis deaths nationwide)	--	65
1879 – June-May 1880, Scarlet Fever , esp. children (KS subset, 16,388 U.S. S.F. deaths)	--	522
1879 – June-May 1880, Tuberculosis (State subset of 91,270 TB deaths nationwide)	--	1,112
1879 – June-May 1880, Typhoid Fever (State subset of 23,339 U.S. Typhoid deaths)	--	663
1879 – June-May 1880, Whooping Cough (State subset, 11,064 U.S. W.C. deaths)	--	218
1884 – July 30, Lightning , 4 girls in bed killed, father commits suicide, Marysville KS	--	5
1898 – Typhoid Fever , Twenty-first and 22 nd KS Volunteers (subset, 3,064 such deaths US)	--	≥32
1900 – Tuberculosis (16,251 KS deaths all causes) (109,750 US tuberculosis deaths) ²¹¹	--	1,414
1900 – Typhoid Fever (KS subset of 35,379 typhoid fever deaths nationwide)	--	688
1910 – Polio , especially children, KS	--	47
1911 -- March 18, Coal mine explosion, Mineral, KS	--	5
1914 – July-Dec, Polio , especially children, KS	--	13
1915 – Aug-Nov, Polio , especially children, KS	--	15
1916 – Diphtheria , especially children, KS	--	195
1916 – Polio , especially children, KS	--	26
1916 -- Dec 22, Fire, Kansas Masonic Charity Home, Wichita, KS ²¹²	--	5
1917 – Polio , esp. June-Sep, especially children (KS subset, ≥1,182 U.S. polio deaths)	--	18
1918 – Typhoid Fever (KS subset of 9,100 U.S. Typhoid Fever deaths)	--	284
1920 – Diphtheria and Croup (KS subset of 13,395 such deaths, 34 registration states)	--	246
1920 – Measles (KS subset of 7,712 measles deaths in 34 registration states)	--	80
1920 – Scarlet Fever (KS subset of 4,004 such deaths in 34 registration states)	--	112
1920 – Typhoid Fever (KS subset of 6,805 typhoid fever deaths in 34 registration states)	--	141
1920 -- Whooping Cough (KS subset, 10,968 whooping cough deaths, 34 reg. states) ²¹³	--	213
1927 – Polio (acute) esp. late Summer and Fall (KS subset, 2,013 U.S. polio deaths)	--	44
1931 – “ Epidemic Cerebrospinal Meningitis ,” ²¹⁴ (KS subset, 2,832 US meningitis deaths)	--	25
1931 – Diphtheria , especially children (KS subset, 5,738 U.S. diphtheria deaths)	--	71
1931 – Influenza (KS subset of 31,701 influenza deaths nationwide)	--	525
1931 – Measles , especially children (KS subset, 3,576 measles deaths nationwide)	--	10
1931 – Polio , esp. July-Oct, (KS subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	13
1935 -- March 15-19, Dust Storms , KS subset of 15 deaths	--	8
1939 – Influenza and Pneumonia (KS subset, 99,097 U.S. influenza/pneumonia deaths)	--	1,142

²¹¹ Second leading cause of death in Kansas in 1900, behind pneumonia at 1,436.

²¹² This was also an orphanage, but none of the fatalities were children. Section of home that burned was for elderly Masonic Lodge members.

²¹³ Kansas City, KS reported 3rd highest registration states/cities death rate, at 23.5 per 100,000; average was 12.5.

²¹⁴ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Kansas Select Other Loss of Life Events (continued)

1939 – Tuberculosis (KS subset of 61,609 tuberculosis deaths nationwide)	--	373
1940 – Influenza and Pneumonia (KS subset of 92,525 U.S. flu and pneumonia deaths)	--	1,006
1940 – Polio (KS subset of 1,026 polio deaths nationwide)	--	51
1940 – Tuberculosis (KS subset of 55,576 tuberculosis deaths nationwide)	--	414
1940 – Whooping Cough (KS subset of 2,926 whooping cough deaths nationwide)	--	31
1941 – Measles , especially children (KS subset of 2,279 measles deaths nationwide)	--	34
1944 – Cerebrospinal Meningitis , KS (2,812 U.S. cerebrospinal meningitis deaths)	--	30
1944 – Influenza (KS subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	303
1944 – Measles , especially Jan-June (KS subset of 1,923 measles deaths nationwide)	--	30
1944 – Tuberculosis (KS subset of 54,731 tuberculosis deaths nationwide)	--	357
1944 – Whooping Cough (KS subset of 1,878 whooping cough deaths nationwide)	--	19
1946 – Polio , especially July-Nov (KS subset of 1,845 polio deaths nationwide)	--	91
1949 – Polio , especially July-Nov (KS subset of ~2,725 polio deaths nationwide)	--	62
1950 – Polio , especially July-Nov (KS subset of 1,904 polio deaths nationwide)	--	34
1951 – Polio , especially July-Nov (KS subset of 1,551-1,555 polio deaths nationwide)	--	53
1952 – Polio , especially children, KS	--	59
1952 – Jan 28, Tire blowout, Car hits bridge, goes into slough , US 54 ~Kingman, KS	--	7
1952 – Nov 25-26, Winter Storm (subset of approximately 38 deaths nationwide)	--	5
1953 – Polio (KS subset of 1,450 polio deaths nationwide)	--	18
1959 – Aug 18, Service Station Fire/gasoline storage tank explosion , Kansas City, KS	--	6
1980 -- Sep 20, ex-wife & family killed by ex-husband's booby-trap bomb , Olathe, KS	--	6
1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196	--	6
1988 – Summer Heat , KS	--	9
1999 – May 3, Tornadoes , especially Haysville and Wichita, KS	--	6
2003 – May 4, Tornadoes , Crawford, Cherokee and Wyandotte counties	--	8
2007 – Dec 9-10 Winter and Ice Storm , KS (plus 29-30 deaths in Oklahoma)	--	6
2012 -- Summer Heat , KS	--	5

Breakout of **Kansas** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 19 – **Tornadoes**. (Plus two – one in 1999 with 6 deaths and one in 2003 with 8.)
- 13 – **Aviation**.
- 12 – **Disease**, select communicable, especially epidemics. (Plus 57 in “Other.”)
- 7 – **Heat**. (Plus three – 6 deaths in 1982, 9 in 1998 and 5 deaths in 2012.)
- 7 – **Rail**.
- 4 – **Flooding**.
- 4 – **Violence**. (Plus 4 <10 deaths – 5-8 deaths in 1856, 5 in 1856, 5 in 1888, 6 in 1980.)
- 2 – **Fires-Structural**. (Plus 2 <10 deaths, 5 deaths/1916, 6 due to gasoline tank explos. in 1959)
- 2 – **Mining**. (Plus 1 event <10 deaths: 5 deaths in 1911 coal mine explosion.)
- 1 – **Explosions**. (Plus one with 6 fatalities in “Other.”)
- 1 -- **Structural Failure**.
- 0 -- **Dust Storms**. (But 8 deaths during March 15-19, 1935 dust storms.)
- 0 -- **Lightning**. (Though there were five family deaths July 30, 1884.)
- 0 – **Vehicular/Road/Highway**. (One with 7 deaths in “Other.”)

0 – Winter Storms. (Two with 5 and 6 deaths each in “Other.”)

KY

Kentucky

1.	1811 -- Dec 16-Feb 7, 1812, New Madrid Earthquakes , western KY	--	≥10
2.	1820 -- Mar 20, Steamboat Buffalo Explosion , Owensboro, KY	--	17
3.	1822 -- Summer, " Bilious [or "Intermittent"] Fever " Epidemic, Louisville, KY ²¹⁵	≥140-232	
4.	1832 -- June 2, Steamboat Hornet Capsizes in Storm , OH River, above Maysville, KY--	20	
5.	1832 -- Oct-Nov, Cholera , esp. Louisville, also Frankfort, Maysville, Augusta, KY	--	~117
6.	1833 -- May 30-Aug 1, Cholera , esp. Lexington (502), Lancaster (120), Springfield ²¹⁶	>1,765	
7.	1834 -- Aug especially, Cholera , especially Princeton (22), KY	--	24
8.	1835 -- June 14-Aug 28, Cholera , esp. Russelville (120), Versailles (64), Maysville (17)	--	248
9.	1835 -- Dec 02, Lady Franklin Sinks , hit by Portsmouth , OH Riv. ~Owensboro KY	--	15-18
10.	1838 -- Nov 19, Drownings [?] , Lock and Dam No. 3 , Green River , Rochester, KY	--	15
11.	1846 -- Feb 13/14, Steamers Congress & Saladin Collide , MS Riv. KY Bend, KY	--	15-30
12.	1847 -- Dec 29, Steamer A.N. Johnston Boiler Explosion , Ohio Riv., ~Maysville KY	--	60-80
13.	1849 -- Jun 09, Steamboat Embassy Flue collapse , Ohio River, Three Mile Bar, KY	--	10-14
14.	1849 -- May-Aug, Cholera , esp. Lexington, Louisville, Maysville Columbia, Paris	--	1,870
15.	1850 -- Spring and mid July-early Aug, Cholera , esp. Louisville, also Frankfort, KY	--	225
16.	1850 -- Apr 22, Belle of the West , Fire / Boiler Explos.? , OH River, ~Warsaw, KY ²¹⁷	--	34-36
17.	1851 -- Cholera , esp. Grassy Creek, Louisville, Bell's Coal Mine, western KY	--	≥152
18.	1851 -- Nov 29, Steamboats Molly Grath²¹⁸ & Pontiac No. 2 collide ~Owensboro, KY--	20	
19.	1852 -- Apr 03, Steamer Redstone Boiler Explosion , Ohio River ~Carrolton, KY	--	14-40
20.	1854 -- Jan, Tornado , Louisville Vicinity, KY	--	15
21.	1854 -- Jun 30-Oct 28, Cholera , Bowling Green, Hickman, Louisville, Shelbyville, KY--	30	
22.	1854 -- Aug 27, Tornado , Louisville, KY	--	25
23.	1854 -- Sep 12, Steamer Malon sinks , Ohio River, near Paducah, KY	--	36
24.	1855 -- June 30, Steamer Lexington boiler explosion , Ohio Riv., ~Stephensport, KY	--	30-35
25.	1855 -- July-Aug, Cholera , especially Lexington Lunatic Asylum, KY	--	47
26.	1855 -- Aug 6, Vote day Know-Nothing anti-German/Irish/Catholic riot, Louisville, KY--	22	
27.	1859 -- Mar 28, Steamers Nathaniel Holmes & David Gibson collide , Petersburg, Ky	--	15-50
28.	1860 -- Scarlet Fever ; subset of 26,402 deaths in 38 Census States & DC ²¹⁹	--	1,505
29.	1862 -- Feb 27, Steamboat Prince Snags and Sinks , Mississippi River, Hickman, KY	--	74-75
30.	1863 -- Aug 4, Steamboat Ruth Burns , Mississippi River, near Columbus, KY	--	30
31.	1865 -- Jan 25, Guerrillas kill black Union soldiers herding cattle ~Simpsonville, KY ²²⁰	19-28	
32.	1866 -- Aug-Sep, Cholera Outbreak , Louisville, KY	--	28
33.	1868 -- Dec 4, Steamers United States & America collide , OH Riv. ~Warsaw, KY	--	59- 100
34.	1870 -- Smallpox (KY subset of 4,597 smallpox deaths nationwide)	--	175
35.	1871 -- Nov 05, Tramplng, African Baptist Meeting-house , Louisville, KY	--	11
36.	1873 -- Jun-Sep, esp. Jun-Aug, Cholera Epidemic , at least 72 locations	--	960

²¹⁵ Have chosen to list separately from Yellow Fever entry -- was referred to as Bilious Fever in three sources used and was not included in books and reports which discussed yellow fever in 1822 by George Augustin, J.M. Keating, John Monette, George M. Sternberg of the U.S. Public Health Service, and the U.S. Marine-Hospital Service.

²¹⁶ Started in Maysville May 30, where there were 67 deaths. Lawrenceburg and elsewhere in Anderson County, 89; Springfield, 80; Millersburg, 78; Paris, 73; Flemingsburg, 66; Mason Co., 60; Frankfort and Franklin Co., 100, etc.

²¹⁷ There were newspaper stories of 50-120 deaths. We use lower estimates found in government and later writings.

²¹⁸ Also referred to as the *Mollie Garth* in Twaintimes.

²¹⁹ Second leading known cause of death in the State in 1860, behind consumption.

²²⁰ A KY road marker titles this a massacre, as do several sources (and a slaughter), but not without disagreement.

Kentucky (continued)

37. 1878 – Aug 13-Nov 6, Yellow Fever , esp., Hickman, Louisville and Clinton, KY	--	553
38. 1879 – June-May 1880, Meningitis (KY subset of 7,481 U.S. meningitis deaths) ²²¹	--	350
39. 1881 – Smallpox , Apr 17-Aug 6, Louisville (20), Aug-Dec 15, Covington, KY (69)	--	89
40. 1882 – Aug 07, Steamboat Gold Dust Boiler Explosion , near Hickman, KY	--	17-24
41. 1889 – Jan-Feb, Cerebrospinal Meningitis Epidemic, Webster County, KY	--	50-70
42. 1890 – Jan 9, Caisson floods during Big Four Bridge construction near Louisville ²²²	--	14
43. 1890 – Jan 12/13, Tornado/Storm , New Madrid Co., MO, Hickman Co. (Clinton) KY	--	10
44. 1890 – Mar 27, Tornadoes (5), “Louisville Tornado,” 13 Counties in KY	--	126
45. 1891 – July 31, Train Wreck , near Louisville, KY	--	13
46. 1891 – Dec 09, Fires, Bamberger & Candy/Fireworks bldgs. , Main St., Louisville, KY	--	12
47. 1893 – Dec 15, Crane/Span Fall , Bridge construct., Louisville, KY/Jeffersonville, IN ²²³	--	21
48. 1896 – July 29-Aug 11, Heat , Sunstroke, esp. Ogdensburg, Louisville, KY	--	25
49. 1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	--	13
50. 1901 – Aug 19, Steamer City of Golconda Turtles , Windstorm, OH Riv. ~Paducah, KY	--	15-22
51. 1902 – Apr 20, Steamer City of Pittsburg Fire , OH Riv., ~Ogden’s Landing, KY	--	64
52. 1904 – May 26, Boiler Explosion, Tow Fred Wilson , West Louisville Harbor, KY	--	11
53. 1907 – Jun 7-8, Heavy Rain, Flash Flood , Gradyville, KY	--	10-21
54. 1910 – Feb 01, Mine Explosion , Browder Coal Mine, Browder, KY	--	34
55. 1910 – Nov 25, Mine Explosion , Providence No. 3 Coal Mine, Providence, KY	--	10
56. 1917 – Aug 04, Coal Mine Explosion , West Kentucky No. 7, Clay, KY	--	62
57. 1917 – Dec 20, Trains Collide , Shepherdsville, KY	--	51
58. 1918, Sep-1920 – Influenza and Pneumonia Epidemic , KY	--	18,591-20,460
1918 – Influenza and Pneumonia Epidemic, KY	--	11,771-13,640
1919 – Influenza and Pneumonia Epidemic, KY	--	6,820
59. 1920 – Influenza and Pneumonia , KY	--	4,776
60. 1920 – Typhoid Fever (KY subset, 6,805 typhoid fever deaths, 34 registration states) ²²⁴	--	490
61. 1925 – March 18, Tornadoes , 13 Counties, KY	--	29
62. 1925 – Jun 08, Mine Explosion , No. 9 Coal Mine, Sturgis, KY	--	17
63. 1927 – Aug 03, Mine Explosion , West Kentucky No. 7 Coal Mine, Clay, KY	--	15
64. 1930 – Mar 30, Mine Explosion , Pioneer Coal Mine, Kettle Island, KY	--	16
65. 1931 – Diphtheria , especially children (KY subset, 5,738 U.S. diphtheria deaths) ²²⁵	--	349
66. 1931 – Measles , especially children (KY subset, 3,576 measles deaths nationwide) ²²⁶	--	191
67. 1931 – Whooping Cough , esp. children (KY subset of 4,619 such deaths U.S.) ²²⁷	--	200
68. 1931 – Summer, Heat , and excessive heat deaths (State subset, 2,768 U.S. deaths)	--	47
69. 1932 – Dec 09, Mine Explosion , Zero Coal Mine, Yancey, KY	--	23
70. 1933 – May 09, Tornado , Monroe/Cumberland/Adair/Russell, KY	--	36

²²¹ In terms of large loss of life to Meningitis in a State, KY was 1st, followed by NY with 314 and PA with 305.

²²² Listed in Kentucky in that most of the fatalities were Kentucky residents and none lived in Indiana. Cross-listed in Indiana in that the accident took place on the Indiana side of the Ohio.

²²³ Cross-listed in Indiana. The crane fall, knocking a span loose, happened on the Indiana side of the bridge over the Ohio River. More of the fatalities, however, lived in Kentucky than in any other state.

²²⁴ In terms of large loss of life to typhoid fever by State, KY was 2nd behind PA with 503 deaths.

²²⁵ In terms of large loss of life to diphtheria by State, KY was 3rd behind IL with 381 and PA with 365.

²²⁶ In terms of large loss of life to measles by State, KY was 5th behind PA/442, IL/357, MO/272, and NY/250.

²²⁷ In terms of large loss of life to whooping cough by State, KY was 4th behind NY/381, PA/309, and IL/231.

Kentucky (continued)

71. 1934 – July Heat, KY (subset of 1,683 fatalities nationwide)	--	43
72. 1937 – Jan 05/Feb 5, Flooding , Ohio River, especially Louisville, KY	--	148
73. 1937 – Feb 05, Flooding /Bldg Gas Leak/Explos., Floyd & Market St., Louisville, KY	--	10
74. 1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	15
75. 1939 – July, Flooding , Licking and Kentucky Rivers, KY	--	78
76. 1939 – July 14, Mine Explosion , Duvin Coal Mine, Providence, KY	--	28
77. 1940 – Whooping Cough (KY subset of 2,926 whooping cough deaths nationwide) ²²⁸	--	178
78. 1941 – Measles (KY subset of 2,279 measles deaths nationwide) ²²⁹	--	158
79. 1941 – Oct 27, Mine Explosion , Daniel Boone Coal Mine, Daniel Boone, KY	--	15
80. 1942 – Mar 16, Tornadoes , Muhlenberg, Grayson, Hardin, Nelson Counties, KY	--	25
81. 1943 – July 28, Plane Crash, American Air Flight 63 , near Trammel, KY	--	20
82. 1943 – Sep 16, Three Point Coal Mine Explosion , Three Point, KY	--	12
83. 1944 – Whooping Cough (KY subset of 1,878 whooping cough deaths nationwide) ²³⁰	--	93
84. 1945 – Dec 26, Coal Mine Explosion , Belva No. 1, Fourmile, KY	--	25
85. 1950 – Measles , especially children (KY subset of 468 measles deaths nationwide) ²³¹	--	30
86. 1950 – Nov 24-27, “ Storm of the Century ,” subset for KY	--	17
87. 1951 – Jan 27-Feb 4, Cold Waves, Winter Storms, ice, sleet, snow , KY ²³²	--	14
88. 1953 – Sep 28, Plane Crash, Resort Air Flight 1081 , Louisville, KY	--	25
89. 1955 – Jan 12, Planes Collide, TWA 694/Castleton, Inc. , Covington, KY	--	15
90. 1957 – June 13, Army Truck Skids into Piney Ford Creek , Ft. Campbell, KY	--	14
91. 1958 – Feb 28, School Bus Hits Truck , goes into River, Prestonsburg, KY	--	27
92. 1959 – Feb 14, Fire (from gas explosion), Apartment Building , Ashland, KY	--	11
93. 1965 -- Aug 25, Explosions (26)/Fire , Du Pont Chemical Corp., near Louisville, KY ²³³	--	12
94. 1965 – Nov 08, Plane Crash, American 383 ~ Cincinnati/N KY Airport, Constance, KY	--	58
95. 1967 – Nov 20, Snowing/Plane Crash, TWA Flight 128 , Constance, KY	--	70
96. 1970 – Dec 30, Mine Explosion , Finley Coal Co. No. 15 & 16, Hyden, KY	--	38
97. 1971 – Jan 14, Fire, Nursing Home , Buechel, KY	--	10
98. 1972 – Nov 17, Plane Crash, Metro Air System (N2700S) , Elkton, KY	--	11
99. 1974 – Apr 03, Tornadoes , multiple counties, esp. Brandenburg, Meade County, KY	--	68-77
100. 1976 – Mar 9-11, Scotia Mine Explosion , Blue Diamond Coal, Oven Fork, KY	--	26
101. 1977 – May 28, Fire, Beverly Hills Supper Club , Southgate, KY	--	165
102. 1980 – Summer Heat , especially Jefferson County (13), KY	--	34
103. 1983 -- Summer Heat , esp. July, 17 Counties, esp. Jefferson (Louisville/34); US/597--	--	57
104. 1983 -- June 2, Air Canada Fl. 797 in-flight hidden fire, emer. landing, Covington, KY	--	23
105. 1988 -- March 8, US Army Blackhawks collide mid-air, Fort Campbell, KY/TN ²³⁴	--	17
106. 1988 – May 14, Church Bus Hit by Drunk Driver , Carrollton, KY	--	27
107. 1988 – Summer Heat, KY	--	11

²²⁸ In terms of large loss to whooping cough by State, KY was 2nd behind TX with 250 deaths.

²²⁹ In terms of large loss of life to measles by State, KY was 3rd, behind VA with 170 and GA with 160 deaths.

²³⁰ In terms of large loss of life by State, KY was 6th behind NC/145, VA/102, TX/95, PA/95 and MS/94.

²³¹ Second largest loss of life to measles in the U.S. in 1950 – behind Mississippi with 34 measles deaths.

²³² Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

²³³ First explosion caused eleven deaths. Twelfth death was from burns several days later.

²³⁴ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN. Cross-listing in both KY and TN. The total number of deaths was 17 -- all on-board the two helicopters.

108.	1989 – Sep 13, Coal Mine Gas Explosion , William Station Mine, Wheatcroft, KY	--	10
109.	1995 – Summer Heat (KY subset of 1,563-1,601 U.S. heat-related deaths)	--	11
110.	1997 – March 1-3, Flash Floods and Flooding , esp. Falmouth (5), KY	--	21
111.	2006 – Aug 27, Plane Crash at Takeoff, Comair Flight 5191 , Lexington, KY	--	49
112.	2007 – Feb 6, Fire, Single-Family House , Bardstown, KY	--	10
113.	2009 – Jan 28, Ice and Snow Storm , Central US, particularly KY (13 CO) ²³⁵	--	36
114.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--	39
115.	2010 – Mar 26, Highway Crash, Tractor-Trailer hits Van , near Munfordville, KY	--	11
116.	2010 – Summer Heat (KY subset of 627 heat-related deaths nationwide)	--	10
117.	2012–Mar 2, Tornadoes , Johnson/Kenton/Laurel/Lawrence/Menifee/Morgan Co’s.	--	19-21

Kentucky Select Other Loss of Life Events:

1860 – Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	787
1860 – Measles (KY subset of 3,900 measles deaths nationwide)	--	153
1860 – Scarlet Fever (KY subset, 26,402 deaths in 38 Census States & DC)	--	1,505
1860 – Smallpox (KY subset of 1,263-1,271 smallpox deaths in reporting States)	--	15
1860 – Tuberculosis , reported as “consumption” (subset of 49,082 death nationwide) ²³⁶	--	1,742
1860 – Typhoid Fever (KY subset of 19,236 deaths in 38 “registration” States and DC)	--	896
1860 – Whooping Cough (State subset of 8,408 whooping cough deaths nationwide)	--	69
1870 – Croup (554) and Tuberculosis (Consumption) (2,506) (KY subset of ~70,000 US)	--	3,060
1870 – Diphtheria (KY subset of 6,303 diphtheria deaths nationwide)	--	145
1870 – Measles (KY subset of 9,237 measles deaths nationwide)	--	249
1870 – Typhoid Fever (KY subset of 22,187 typhoid fever deaths nationwide)	--	661
1870 – Typhus (KY subset of 1,770 typhus deaths nationwide)	--	35
1870 – Whooping Cough (KY subset of 9,008 whooping cough deaths nationwide)	--	326
1879 – June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	747
1879 – June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	333
1879 – June-May 1880, “ Malarial Fever ,” (KY subset, 20,231 such deaths nationwide)	--	697
1879 – June-May 1880, Measles , esp. children (KY subset, 8,254 U.S. measles deaths)	--	211
1879 – June-May 1880, Scarlet Fever , esp. children (KY subset, 16,388 US S.F. deaths)	--	354
1879 – June-May 1880, Tuberculosis (KY subset of 91,270 TB deaths nationwide)	--	3,321
1879 – June-May 1880, Typhoid Fever (KY subset of 23,339 U.S. Typhoid deaths)	--	729
1879 – June-May 1880, Whooping Cough (KY subset, 11,064 U.S. Wh. Cough deaths)	--	467
1882 -- Jan-June especially, Smallpox , Louisville (22), and Newport (1) KY	--	23
1890 – Jan, Influenza (La Grippe/Russian Flu) , Louisville, KY	--	96
1890 – Typhoid Fever (KY subset of ~30,000 typhoid fever deaths nationwide)	--	1,100
1898 – Typhoid Fever (3,064 nationwide), esp. First, Second, Third KY Vols. ²³⁷	--	≥73
1900 – Tuberculosis (27,091 KY deaths all causes) (109,750 US tuberculosis deaths)	--	3,916
1900 – Typhoid Fever (KY subset of 35,379 typhoid fever deaths nationwide)	--	1,669
1907 – Typhoid , Covington, Newport, Paducah, esp. Louisville (subset of ~13,000 US)	--	225

²³⁵ Ninety-one deaths were attributed to this storm in 12 States.

²³⁶ Was the leading reported cause of death in the State and in the U.S. in 1860.

²³⁷ This number is for identified servicemen dying of typhoid in KY, especially at Camp Hamilton at Lexington and Fort Thomas on the Ohio River near Covington, KY (66) and seven civilian deaths. There were undoubtedly more such deaths. There were 57 First, Second, and Third KY Volunteer Regimental deaths from typhoid.

Kentucky Select Other Loss of Life Events (continued)

1916 – Diphtheria , especially children, KY	--	384
1916 – Polio (KY subset of ~6,700->7,000 polio deaths nationwide)	--	48
1917 – Polio , esp. June-Sep, especially children (KY subset, ≥1,182 U.S. polio deaths)	--	41
1920 – Diphtheria and Croup (KY subset, 13,395 such deaths in 34 registration states)	--	425
1920 – Malaria (KY subset of 3,136 malaria deaths in 34 registration states and DC)	--	60
1920 – Measles (KY subset of 7,712 measles deaths in 34 registration states)	--	270
1920 – Scarlet Fever (KY subset of 4,004 such deaths in 34 registration states)	--	62
1920 – Smallpox (KY subset of 508 smallpox deaths in 34 registration states)	--	21
1920 -- Whooping Cough (KY subset, 10,968 whooping cough deaths in 34 reg. states)	--	386
1921 – Polio (Acute) esp. late Summer-Fall (KY subset, 1,597 U.S. polio deaths)	--	22
1927 – Polio (acute) esp. late Summer and Fall (KY subset, 2,013 polio deaths nationwide)--	73	
1931 – “Epidemic Cerebrospinal Meningitis ,” ²³⁸ (KY subset, 2,832 US meningitis deaths)--	94	
1931 – Influenza (KY subset of 31,701 influenza deaths nationwide)	--	939
1931 – Malaria (KY subset, 2,536 malaria deaths nationwide)	--	48
1931 – Polio , esp. July-Oct, (KY subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	28
1939 – Diphtheria , esp. Jan-Mar, Sep-Dec (KY subset of 1,997 U.S. diphtheria deaths)	--	91
1939 – Influenza and Pneumonia (KY subset, 99,097 U.S. influenza/pneumonia deaths)--	2,792	
1939 – Malaria (KY subset of 1,761 malaria deaths nationwide)	--	29
1939 – Tuberculosis (KY subset of 61,609 tuberculosis deaths nationwide)	--	1,790
1939 – Whooping Cough (KY subset of 3,026 whooping cough deaths nationwide)	--	68
1940 – Influenza and Pneumonia (KY subset of 92,525 U.S. flu and pneumonia deaths)	--	2,727
1940 – Malaria (KY subset of 1,442 malaria deaths nationwide)	--	19
1940 – Polio (KY subset of 1,026 polio deaths nationwide)	--	39
1940 – Tuberculosis (KY subset of 55,576 tuberculosis deaths nationwide)	--	1,767
1944 – Cerebrospinal Meningitis , KY (2,812 U.S. cerebrospinal meningitis deaths)	--	79
1944 – Influenza , esp. Jan-Apr, Dec (KY subset of 17,320 influenza deaths nationwide)	--	669
1944 – Measles , especially Jan-June (KY subset of 1,923 measles deaths nationwide)	--	52
1944 – Polio , the year, especially July-Nov, KY (1,070 polio deaths nationwide)	--	48
1944 – Tuberculosis (KY subset of 54,731 tuberculosis deaths nationwide)	--	1,726
1949 – Polio , especially July-Nov (KY subset of ~2,725 polio deaths nationwide)	--	54
1950 – Polio , especially July-Nov (KY subset of 1,904 polio deaths nationwide)	--	45
1951 – Polio , especially July-Nov (KY subset of 1,551-1,555 polio deaths nationwide)	--	21
1952 – Polio , especially Jefferson County, KY	--	66
1953 – Polio (KY subset of 1,450 polio deaths nationwide)	--	30
1957 – Nov, Influenza and Pneumonia Epidemic (KY subset of ~70,000 U.S. deaths)	--	274
1959 – Feb 15, Home Fire , thought to be from Coal Cooking Stove, Pinson Fork, KY	--	5
1963 – Apr 23, Residential Fire , River Park Drive, Louisville, KY	--	7
1971 – Apr 27, Tornadoes , especially Mt. Pleasant Church near Columbia, KY ²³⁹	--	9
1978 – Dec 10, USAF C-130 Hercules Plane Crash , landing phase, Ft. Campbell, KY	--	5
1984 -- May 7-10. Severe weather, flooding, drownings , Adair, Fayette, Pike, Spencer Co’s--	7	
1987 -- Summer Heat , State substate of approximately 388 U.S. heat deaths	--	8
1989 – July 4, Home Fire , children, locked in house, River Park Drive, Louisville, KY	--	6

²³⁸ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

²³⁹ There was one additional fatality – an elderly female -- in Franklin County, Illinois.

1989 – Sep 14, Assault Rifle Workplace Mass Murder (8)/Suicide , Louisville, KY	--	9
1992 – July 26, Lightning , Waynesburg, Lincoln County, KY	--	2
1993 – March 12-14, Late winter storm (Superstorm of 1993)	--	5
1994 – Jan 14-21, Extreme Cold and Snow , KY	--	6
1996 – Jan 6-7, Snow Storm (Blizzard of '96)	--	6
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
1999 – Summer, Heat (KY subset of 1,050 heat-related deaths nationwide)	--	8
2003 -- Feb 20, Resin Dust Explosions/Fire , CTA Acoustics, Corbin, Laurel County, KY	--	7
2008 – Feb 5-6, Tornadoes , Muhlenberg (e deaths) and Allen (4 deaths) Counties, KY	--	7
2013 – March 9, 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

Breakout of **Kentucky** Large-Loss-of Life Events (10 or more fatalities) by Type:

- 28 **Disease**, select communicable. (Plus 61 in “Other.”)
- 20 **Maritime and Inland watercraft**.
- 14 **Mining**
- 10 **Heat**. (Plus two years with fewer than 10 deaths – 8 deaths each in 1987 and in 1999.)
- 9 **Aviation**. (Plus 3 – one with 6 deaths in 1996 and two with 5 deaths each in 1978 and 1996.)
- 9 **Tornadoes**. (Plus two – one with 9 deaths (1971) and one with 7 (2008) in “Other.”)
- 5 **Fire-Structural**. (Plus five – one with 9/2014, two with 7, one with 6, one with 5 deaths.)
- 5 **Flooding**. (Plus 7 drowning deaths in May 7-10, 1984 flooding.)
- 4 **Vehicular – Road and Highway**
- 3 **Violence**. (Plus one with 9 fatalities in “Other.”)
- 3 **Winter Weather**. (Plus three – one in 1993 with 5 deaths, 1994 (6) and 1996 (6 deaths).
- 2 **Rail**
- 2 **Structural Failures**.
- 1 **Carbon Monoxide Poisoning**. (13 CO poisoning deaths after Jan 28, 2009 Ice/snowstorm.)
- 1 **Earthquake**.
- 1 **Explosion** (non maritime or mining). (Plus 1 event <10 deaths: 7 in 2003.)

LA

Louisiana

1.	1794 – Aug 31-Sep 1, Hurricane , New O., Pilottown, Plaquemines, Avoyelles LA ²⁴⁰	-- ~10
2.	1811 – Jan, Deslondes Slave Rebellion and Retaliation , German Coast, LA	-- 101
3.	1812 – Aug 19-20, New Orleans Hurricane , LA	-- 100
4.	1817 – May 4, Steamer Constitution Boiler Explosion , MS Riv., Point Coupee, LA	--10-30
5.	1817 – Jun 18-Dec, Yellow Fever Epidemic, New Orleans, LA	-- 800
6.	1819 – Mid-Aug-Jan 1820, Yellow Fever Epidemic, New Orleans, LA	--2,190
7.	1820 – Yellow Fever Outbreak, New Orleans, LA	-- 82
8.	1822 – Yellow Fever , Baton Rouge and New Orleans, LA ²⁴¹	--297-299
9.	1823 – July start, Aug epidemic, Yellow Fever , New Orleans, LA	-- 239
10.	1824 – Yellow Fever Outbreak, New Orleans, LA	-- 11
11.	1825 – Yellow Fever Outbreak, New Orleans, LA	-- 49
12.	1828 – Yellow Fever Epidemic, New Orleans, LA	-- 150
13.	1829 – Yellow Fever Epidemic, New Orleans, LA	-- 222
14.	1830 – Yellow Fever Epidemic, New Orleans, LA	-- 132
15.	1832 – Yellow Fever Outbreak, New Orleans, LA	-- 18
16.	1832 – Oct-Nov, Cholera Epidemic, especially New Orleans, LA	--4,700-6,000
17.	1833 – Cholera (1000) and Yellow Fever (210) Epidemics, esp. New Orleans ²⁴²	--1,210
18.	1833 – May 19, St. Lioness Fire/Gunpowder Explosion, Red River, Montgomery, LA	--14-16
19.	1833 – June 7, Steamer Peruvian Boiler Explosion , MS River, ~New Orleans LA ²⁴³	--50-60
20.	1833 – Oct 31, Steamer St. Martin Burns , Mississippi River, Donaldsonville, LA	--30-40
21.	1833 – Nov, Steamship Caspian Burns , near Mouth of Red River, LA	--25-40
22.	1834 – Yellow Fever Epidemic, New Orleans, LA	-- 95
23.	1834 – Oct 24, Missouri Belle Sinks, Collision (Boonslick) , near Kenner & N.O., LA	-- 30
24.	1835 – Yellow Fever Epidemic, New Orleans, LA	-- 314
25.	1835 -- ~Apr 24-May 9, Cholera , New Orleans, LA	--140-150
26.	1835 – May 14, Collapse, Planters' Hotel , New Orleans, LA	-- ≥10
27.	1835 – Oct 1, Steamer Carrollton Explosion , Baton Rouge, LA	-- 8-15
28.	1837 – Yellow Fever Epidemic, New Orleans, LA	-- 442
29.	1837 – Oct 31, Monmouth & Tremont Collide , MS Riv, Prophet Island Bend, LA	--234-400
30.	1837 – Dec 27, Black Hawk Boiler Explosion/Fire , Miss. River, Black Hawk Pt., LA	--30-50
31.	1838 – Yellow Fever Outbreak, New Orleans, LA	-- 17
32.	1839 – May 6, George Collier Steam Escape , Miss. River at Red River mouth, LA	--26-30
33.	1839 -- ~Jul 23-early Nov, Yellow Fever Epidemic, esp. New Orleans (452), LA ²⁴⁴	651-654
34.	1840 – May 07, Tornado , Concordia and LA Plantations	--Hundreds
35.	1841 – Feb 22, Steamer Creole Fire , Miss. River, Torras, ~Red River Mouth, LA	--12-36

²⁴⁰ This is out guestimate of fatalities based upon statement that “many lives...perished in the storm.”

²⁴¹ While we have found references to yellow fever in a number of locations in 1822, it was, as far as we have discovered, epidemic in four – Pensacola (237-259), Baton Rouge (60), New Orleans (237-239), NYC (230-250). One report has 32 yellow fever deaths in New Orleans, September 19-20.

²⁴² John H. Ellis writes that “In New Orleans epidemics of...[cholera and yellow fever] during 1832 and 1833 claimed nearly 10,000 victims in a population of approximately 50,000.” (*Yellow Fever & Public Health*, 1992, 30.)

²⁴³ 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.

²⁴⁴ Also Donaldsonville, Franklin, New Iberia, Opelousas, Plaquemines, Port Hudson, Thibodaux and Waterloo.

Louisiana (continued)

36.	1841 – Aug-Oct, Yellow Fever Epidemic, New Orleans, LA	--1,724
37.	1841 – Aug 12, Steamboat <i>Louisiana</i> Boiler Explosion , MS River, Bayou Sara, LA	--18-20
38.	1842 – Feb 19, Steam Towboat <i>Mohican</i> Boiler Explosion , MS Ri., New Orleans, LA	-10-14
39.	1842 – July 30 start, Yellow Fever Epidemic, New Orleans, LA	-- 211
40.	1843 – July 5-late Oct, Yellow Fever Epidemic, New Orleans, LA	-- 487
41.	1843 – Sep 19, Steamboat <i>Clipper No. 1</i> Boiler Explosion , near Bayou Sara, LA	--20-33
42.	1844 – Mar 01, Boats Collide, <i>Buckeye/De Soto</i> Miss. River, near Atchafalaya, LA	--50-80
43.	1844 – July-Sep, Yellow Fever Epidemic, New Orleans, LA	-- 148
44.	1844 – Aug 12, Steamer <i>Louisiana</i>, Boiler Explosion , 15 miles north Bayou Sara, LA	-- 17
45.	1845 – Yellow Fever Outbreak, New Orleans, LA	-- 148
46.	1845 – July 01, Steamboat <i>Marquette</i> Boiler Explosion , New Orleans, LA	--13-50
47.	1846 – Yellow Fever Epidemic, especially New Orleans LA	-- 161
48.	1846 – Sep 05, Steamer <i>New York</i> founders , storm, ~60 miles off Cameron, LA	-- 20
49.	1847 – June 4 or 5, Steamer <i>Edna</i> Boiler Explosion , Ouachita Riv. Columbia, LA	--20-25
50.	1847 – June 29, Steamboat <i>Star Spangled Banner</i> Snags , Baton Rouge, LA	-- 20
51.	1847 – Jun-Dec, Yellow Fever Epidemic, New Orleans, also Lafayette, LA ²⁴⁵	~3,000
52.	1847 – Dec 20, Steamer <i>Westwood</i> hits bank, explosion , near New Orleans, LA	--12-15
53.	1848 – Dec, Cholera Epidemic, New Orleans, LA	--1,616
54.	1848 – Jan 18, Steamboat <i>Yalobusha</i> Burns , Donaldsonville, LA	-- 35
55.	1848 – Jun-Nov, Yellow Fever Epidemic, New Orleans, LA	-- 850
56.	1848 – Sep 17, Steamer <i>Concordia</i>, Boiler Explosion , Miss. River, Plaquemine, LA	-- 8-28
57.	1848 – Oct 06, Steamer <i>Piney Woods</i> Burns , near Springfield, LA	--15-16
58.	1849 – Cholera Epidemic, primarily New Orleans; also Lafourche Parish, LA	--2,791-3,577
59.	1849 – Mar 03, Steamer <i>Woodsman</i> ? Mississippi River, Bayou Sara, LA	-- 3-16
60.	1849 – Aug-Dec, Yellow Fever Epidemic, New Orleans, LA	-- 737
61.	1849 – Nov 15, Steamship <i>Louisiana</i> Boiler Explosion , New Orleans, LA	--86-150
62.	1850 – Cholera Epidemic, multiple locations, but especially New Orleans, LA	--2,181
63.	1850 – Yellow Fever Epidemic, New Orleans, LA	-- 107
64.	1850 – Dec 13, Steamer-Tug <i>Anglo-Norman</i> boiler explosion , ~New Orleans, LA	--20-100
65.	1850 – Dec 17, Steamboat <i>Knoxville</i> Boiler Explosion , New Orleans, LA	--12-20
66.	1850 – Dec 17, Steamboat <i>South America</i> Burns , MS River, near Bayou Sera, LA	--27-40
67.	1851 – Cholera (430) and Yellow Fever (16), New Orleans, Cholera, Lafourche Parish	--489
68.	1851 – Feb 09, <i>Autocrat/Magnolia</i> Collide ~Butler's Plantation, Iberville Parish LA	--10-34
69.	1851 – Sep 28 Steamer <i>Brilliant</i> Boiler Explosion , Miss. Riv., Bayou Goula, LA	--90-100
70.	1852 – Cholera (1,320) and Yellow Fever (415, July-Dec) Epidemics, New Orleans	--1,735
71.	1852 – July 5, Steamer <i>St. James</i> Boiler Explosion , Lake Pontchartrain, LA	--30-40
72.	1853 – Cholera Outbreak, New Orleans, LA	-- 585
73.	1853 – May-Dec, Yellow Fever Epidemic, particularly New Orleans, LA	--15,280
74.	1854 – May-July, Cholera Outbreak, esp. New Orleans, and on plantations, LA	-- >227
75.	1854 – Jan 28, Steamboat <i>Georgia</i> Fire , Lake Pontchartrain, LA	--25-60
76.	1854 – Mar 09, Steamer <i>John L. Avery</i> Snags , Miss. River, Black Hawk Point, LA	--12-90
77.	1854 – July-Dec, Yellow Fever Epidemic, New Orleans	--2,425
78.	1855 – Cholera Outbreak, especially Bayou Lafourche and New Orleans, LA	-- 916

²⁴⁵ Dates pertain to first and last deaths. The epidemic period was late July-Sep, with September the deadliest.

Louisiana (continued)

79.	1855 – Yellow Fever , New Orleans, LA	--2,670
80.	1856 – Aug 10-11, Hurricane Ile Derniere (Last Island), LA (<i>Nautilus</i> lost)	--140-400
81.	1856 -- ~Aug 16, Ship Manila “Lost” off Timbalier Island, LA	-- 10
82.	1857 – Yellow Fever Outbreak, New Orleans, LA	-- 199
83.	1858 – Jun-Oct 10, Yellow Fever Outbreak, New Orleans, LA	--4,845
84.	1859 – Yellow Fever Outbreak, New Orleans, LA	-- 91
85.	1859 – Feb 27, Steamer Princess Boiler Explos./Fire , MS River, ~Baton Rouge LA-70-100	
86.	1860 – Measles (LA subset of 3,900 measles deaths nationwide)	-- 216
87.	1860 – Scarlet Fever (LA subset of 26,402 deaths in 38 Census States & DC)	-- 407
88.	1860 – Whooping Cough (LA subset of 8,408 whooping cough deaths nationwide)	-- 320
89.	1860 – Aug 11, Hurricane , LA	-- 47
90.	1860 – Sep 21, Building falls during fire and explosion (alcohol), New Orleans, LA	-- 15
91.	1860 – Oct 31, Steamer H.R.W. Hill boiler explosion , Baton Rouge, LA	-- 39
92.	1862 – Oct 08, Steamer Ceres, Explosion , St. Joseph Island, LA	-- 12
93.	1863 – Aug 04, Massacre , Confederates kill captured Union black soldiers, Jackson, LA--23	
94.	1864 – Yellow Fever Outbreak, New Orleans, LA	-- 57
95.	1865 – Jun 9~, SS Kentucky snags/sinks , Red River, Tow Head Island ~Shreveport LA--≤30	
96.	1865 – Sep 13, Hurricane , Cameron, LA landfall	-- 25
97.	1866 – Cholera Epidemic, New Orleans, LA	--1,875
98.	1866 – Yellow Fever Outbreak, New Orleans, LA	-- 185
99.	1866 – July 30, Racial/Political “Riots” , Blacks seeking rights, New Orleans, LA ²⁴⁶	--38-48
100.	1866 – Dec 27, Steamer Fashion Fire , 7-12 miles above Baton Rouge, LA	-- 43
101.	1867 – Yellow Fever , New Orleans and Shreveport	--3,231
102.	1867 – May 04, Steamer Main Capsized in Storm on Lake Pontchartrain, LA	-- 10
103.	1867 – June-Dec, Cholera Epidemic, New Orleans, US Army LA	-- 575
104.	1867 – Dec 31, Steamer Henry Ames guards fail while unloading , New Orleans, LA--20	
105.	1868 – Sep 28-29, Opelousas Massacre (racial/political), St. Landry Parish, LA	--200-300
106.	1869 – Jan 13, Steamer Glide boiler explosion , ~50m above New Orleans, LA	-- 15
107.	1870 – Measles (LA subset of 9,237 measles deaths nationwide)	-- 375
108.	1870 – Typhoid Fever (LA subset of 22,187 typhoid fever deaths nationwide)	-- 449
109.	1870 – Whooping Cough (LA subset of 9,008 whooping cough deaths nationwide)	-- 420
110.	1870 – Yellow Fever Epidemic, New Orleans, LA	-- 597
111.	1872 – Yellow Fever Outbreak, New Orleans, LA	-- 40
112.	1873 – Feb-July, Cholera epidemic, Monroe, Thibodeaux, esp. NOLA (~300) etc. ~432-478	
113.	1873 -- ~July 4-Nov 19, Yellow Fever , esp. New Orleans and Shreveport, LA	-- 988
114.	1873 – April 13, Racial and Political Violence , Colfax, Louisiana	--67-105
115.	1874 – Apr 15, Tow Boat Capsizes , Mississippi River, Below New Orleans, LA	-- 13
116.	1874 – Aug 30, Racial/Political Coushatta Massacre , Coushatta to Shreveport, LA-10-26	
117.	1874 – Sep 14, White League vs. Republican Race/Politics Battle , New Orleans	--27-38
118.	1875 – Apr 23, Steamers Exporter, Charles Bodman, Kyle Burn, New Orleans, LA	-- 30
119.	1876 – Yellow Fever Outbreak, Sep 3-Oct 13, New Orleans, LA	-- 35
120.	1877 – Yellow Fever , Louisiana, particularly New Orleans, LA	--4,500
121.	1878 – May 25-Dec 12, Yellow Fever , over 50 locations, but esp. New Orleans	--6,463

²⁴⁶ Cross-listed in the Violence subset Political.

Louisiana (continued)

122.	1878 – Dec 1, Cotton Valley/Charles Morgan Collide , MS R., ~Bringier Point, LA --12-20
123.	1879 – June-May 1880, “ Malarial Fever ,” (LA subset, 20,231 such deaths U.S.) -- 618
124.	1879 – Mid June-Dec, Yellow Fever , approximately 20 locations, LA -- 163
125.	1880 – Aug 9, Steamer Bonnie Lee boiler explosion , Lenoir Pt., Red River, LA -- 9-10
126.	1882 – Smallpox , New Orleans (415), and Baton Rouge (2), LA -- 417
127.	1882 – Dec 06, Steamboat Morning Star boiler explos. , MS Riv., below N.O., LA --16-17
128.	1883 – Mar 4, Steamer Yazoo Valley Snags/Sinks , Miss. River, ~Red Church, LA --16-19
129.	1884 – Nov 01, Political Riot , Loreauville, Iberia Parish, LA -- ≥18
130.	1886 – Dec 13, Steamer J. M. White, Fire & Explosions , near Point Coupee, LA --15-40
131.	1887 – Yellow Fever , New Orleans, LA -- 290
132.	1887 – Nov 23-25, Violence, racial/labor , striking sugarcane workers, Thibodaux, LA ²⁴⁷ 30->50
133.	1888 – Aug 16, Racial Violence , White Regulators attack Blacks, Freetown, LA --10-21
134.	1888 – Dec 24, Steamer John H. Hanna Burns , Mississippi Riv., Plaquemine, LA --20-30
135.	1889 – Jan 05, Steamer Paris C. Brown Snags and Sinks , Hermitage Landing, LA -- 8-11
136.	1889 – Oct 3, Steamer Corona boiler explosion , Mississippi River, False River, LA-38-46
137.	1891 – Mar 14, Violence, mob enters jail, kills Italian prisoners , New Orleans, LA-- 11
138.	1891 – July 06, Tornado , West Baton Rouge/East Baton Rouge, LA -- 11
139.	1893 – Oct 1-2, Hurricane , Cheniere Caminada, LA --1,568-2,000
140.	1895 – March 9-May 18, Smallpox Outbreak , New Orleans, LA -- 11
141.	1897 – Yellow Fever Outbreak , especially New Orleans, LA -- 221
142.	1898 – Sep 25-Oct 25, Yellow Fever Outbreak , LA, especially New Orleans, LA -- 89
143.	1900 – Typhoid Fever (LA subset of 35,379 typhoid fever deaths nationwide) --1,077
144.	1900 – Jul 24-27, Anti-black riots (re. Robert Charles shootings), New Orleans, LA ²⁴⁸ ~12
145.	1901 – Oct 27, Race Riot , Balltown, Washington Parish, LA -- 9-18
146.	1902 – Mar 12, Storm, Steamer Providence Grounds , Davis Bend, LA -- 19
147.	1903 – Nov 14, Trains Collide and Burn , Illinois Central RR, near Kentwood, LA --30-40
148.	1905 – May-Oct, Yellow Fever Epidemic , LA, especially New Orleans -- 869
149.	1907 – Apr 5, Tornado , West Feliciana/East Feliciana, LA -- 13
150.	1908 – Apr 24/25 Tornadoes (2), Livingston, St. Helena, Tangipahoa, other Parishes-- 85
151.	1908 – May 13, Tornado Outbreak , Caddo, Bossier, & 5 other Counties, LA -- 50
152.	1908 – Nov 21, Steamer H.M. Carter Explosion/Fire , Miss. River, Palo Alto, LA --10-11
153.	1909 – June 06, Ship Hits Wharf , Collapses, Mandeville, Lake Pontchartrain LA -- 11
154.	1909 – Sep 20-21, Grand Isle Hurricane , LA -- ~343
155.	1912 – Feb 20, Tornadoes (2), Caddo, Bossier, Claiborne Counties, LA -- 12
156.	1912 – Feb 29, Steamer J.E. Trudeau Burns , Belle River, LA -- 10
157.	1912 – Apr 30-May 8, Levee-breaks/flooding , esp. Pointe Coupee Parish, LA --12-20
158.	1912 – Nov 11, Trains Collide, Yazoo & Mississippi Valley Railroad , Montz, LA-- 15
159.	1913 – Oct 23, Thundersqualls , Severe local storms, Tornado , southern LA -- ~11
160.	1915 – Sep 29-Oct 1, Hurricane , Coastal LA, esp. La Branche and New Orleans --183-275
161.	1918 – Mar 19, Tug W. A. Bisso , Sinks in Collision near New Orleans, LA -- 13
162.	1918 – Aug 1-7, Hurricane One , 1918 Season, Southwest LA -- 34
163.	1918 – Sep-Apr 1919, Influenza and Pneumonia Epidemic , esp. New Orleans, LA --1,021

²⁴⁷ There were unconfirmed reports of up to 300 fatalities.

²⁴⁸ This is an estimate of blacks killed by mobs, and does not include the 7 Robert Charles-related deaths, nor his.

1918 – Sep-Dec, Influenza and Pneumonia Epidemic, esp. greater New Orleans, LA- 7,711
 1919 – Jan-Apr, Influenza and Pneumonia Epidemic, esp. greater New Orleans, LA --3,310

Louisiana (continued)

164.	1919 – Nov 22, Stove Explos./Fire /Crushing, Dance Hall/Store, Ville Platte, LA	--25-28
165.	1920 – Jan-Dec, Influenza and Pneumonia , especially greater New Orleans, LA	--1,869
166.	1920 – Malaria (LA subset of 3,136 malaria deaths in 34 registration states/DC) ²⁴⁹	-- 586
167.	1920 – Smallpox (LA subset of 508 smallpox deaths in 34 registration states) ²⁵⁰	-- 167
168.	1923 – Apr 04, Tornado , Rapides County, LA	-- 15
169.	1925 – Mar 22, Trains Collide , Ricohoc, LA	-- 11
170.	1926 – Apr 08, Collision, Silvanns/Thomas H. Wheeler , Pointe A La Hache, LA	-- 35
171.	1926 – Aug 25, Hurricane , LA	-- 34
172.	1926 – Nov 25, Tornado , Sabine/Natchitoches/Red River, LA	-- 12
173.	1927 – Feb 17, Tornadoes , Sabine/Natchitoches/Red River, Tensas, LA	-- 27
174.	1927 – Apr-May, Flooding, Levee Breaks , Drownings, MS Riv. & Tributaries	-- 27
175.	1927 – July 08, Boat with Miss. River Flood Evacuees Overturns, Port Barre, LA	-- 11
176.	1931 – Summer, Heat (LA subset, 2,768 U.S. deaths)	-- 12
177.	1933 -- March 30-31, Tornado outbreak, esp. Red River Parish; also 5 other parishes--	11
178.	1933 – May 01, Tornadoes (2), Webster/Bienville/Claiborne, LA	-- 34
179.	1935 – Apr 06, Tornado , Wilkinson/Amite, MS; St. Helena, LA	-- 14
180.	1938 – Feb 17, Tornado , Cass County, TX; Caddo County, LA	-- 21
181.	1939 – Influenza & Pneumonia (LA subset, 99,097 US influenza/pneumonia deaths)	--2,359
182.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 15
183.	1940 – Influenza & Pneumonia (LA subset of 92,525 US flu/pneumonia deaths)	--2,525
184.	1940 – March 12, Tornado , Harrison, TX; Caddo/Bossier, LA	-- 10
185.	1944 – Jan 24, Planes Collide mid-air, USAAF C-60 & AT-7 , ~Farmersville, LA	-- 10
186.	1944 – Mar 03, Planes Collide, USAAF B26's , near Barksdale Field, Shreveport, LA--	12
187.	1944 – Oct 24, Plane Crash, USAAF B-29 , near Barksdale Field, Shreveport, LA	-- 11
188.	1945 – Mar 03, Plane Crash, USAAF B-17F , near Winnfield, LA	-- 10
189.	1945 – May 06, Planes Collide, two USAAF B-17s , ~ Esler Field, Alexandria LA	-- 18
190.	1947 – Sep 17-19, Hurricane , LA	-- 12
191.	1947 – Dec 31, Tornado , Bossier, Webster, Claiborne Counties, LA	-- 18
192.	1951 – Polio , especially July-Nov (LA subset of 1,551-1,555 polio deaths nationwide)--	33
193.	1956 – Jan 17, Tanker SS Salem Maritime Explosion and Fire, Lake Charles, LA	-- 21
194.	1956 – Sep 24, Hurricane Flossy , Grand Isle & New Orleans, LA	-- 15
195.	1957 – Jun 27, Hurricane Audrey , Cameron Parish, LA	-- 526
196.	1960 – Oct 22, Alcoa Corsair Collision , Mouth of Mississippi River, LA	-- 10
197.	1962 – Oct 20, Collision/Fire, Boheme & Barge Parker , Miss. River ~Lutcher, LA--	20
198.	1964 – Feb 25, Plane Crash, Eastern Air 304 , Lake Pontchartrain, LA	-- 58
199.	1964 – Oct 3-4, Hurricane/Tropical Storm Hilda and Tornadoes, LA	-- 39
200.	1964 – Oct 03, Tornado (Spawned by Hilda), Larose, Lafourche Parish, LA ²⁵¹	-- 24
201.	1965 – Mar 04, Explosion/Fire , Natural Gas Pipeline, residential Natchitoches, LA	-- 17

²⁴⁹ In terms of large loss of life to malaria by State, LA was 2nd behind Mississippi with 683 deaths in 1920.

²⁵⁰ LA led nation in smallpox deaths, followed by MS with 45 deaths. New Orleans had 134 smallpox deaths.

²⁵¹ Also included in Hurricane Hilda fatality count of 42.

Louisiana (continued)

202.	1965 – Aug 28, Vehicle Collision, Greyhound Bus & Timber Truck , Vinton, LA	--	11
203.	1965 – Sep 7-10, Hurricane Betsy , LA, especially southeast	--81-87	
204.	1966 – Oct 08, Petroleum Helicopter , Bell 204B, goes into Gulf ~Morgan City, LA--	11	
205.	1967 – Mar 30, Delta Air 9877 training crash into motel complex, Kenner, LA	--	19
206.	1968 – Mar 06, Cargill Salt Mine Shaft Fire , CO ² Asphyxiation, Belle Isle, LA	--	21
207.	1968 – Mar 16, Collision, SS African Star & barge Intercity No. 11 , MS River, LA--	21	
208.	1968 – Dec 7, Collis., USCG White Alder & Helena , Head of Passes, MS Riv., LA	--	17
209.	1969 – Mar 20, Plane Crash, Avion Charter , Fog, Fire, New Orleans Int. AP, LA	--	16
210.	1969 – Apr 06, Collision, S.S. Union Faith/Barge , MS River, New Orleans, LA	--	25
211.	1971 – Feb 21, Tornado , Waverly, Madison Parish, LA	--	11
212.	1972 – May 29, Petroleum Helicopter Crash , Oil Platform Workers, Dulac, LA	--	11
213.	1973 – June 24, Arson Fire, gay UpStairs Cocktail Lounge , New Orleans, LA ²⁵²	--	32
214.	1974 – Jan 18, SS Baune and Tanker Keytrader Collide , Lower Miss. River, LA	--	16
215.	1976 – Apr 23, Petroleum Helicopters Inc. Crash , Gulf of Mex., off coast of LA	--	12
216.	1976 – Aug 12, Explosion , Tenneco Oil Refinery Tower, Chalmette, LA	--	13
217.	1976 – Oct 20, Tanker Frosta hits Ferry George Prince , Lower Miss. River, LA	--	77
218.	1977 – Dec 08, Petroleum Inc. Helicopter hits crane cable , Intracoastal City, LA	--	17
219.	1977 – Dec 22, Explosion , Grain Elevator, Westwego, LA	--	36
220.	1979 -- Aug 30, Inca Tupac Yupanqui hits barge, explos./fire, MS Riv., Good Hope, LA--	12	
221.	1980 – Summer, Heat , especially Orleans Parish (17), and Caddo Parish (12), LA	--	53
222.	1980 – Aug 6 & 8, oil platform workers helicopter crash , and barge overturns, Gulf ²⁵³ --	17	
223.	1982 -- July 9, Pan Am 759 takeoff crash (windshear) , NOIA, Kenner, LA ²⁵⁴	--153-154	
224.	1985 – Oct 27-31, Hurricane/Tropical Storm Juan , Gulf of Mexico, especially LA--	~17	
225.	1986 -- Summer Heat , LA (subset of >400 U.S. heat-related fatalities)	--	14
226.	1987 – Dec 21, Petroleum Helicopters, Inc. oil rig landing crash , Gulf of Mx. Off LA--	15	
227.	1989 – Oct 3, F/V <i>Northumberland</i> ruptures NG pipeline/explosion fire ~Sabine Pass, TX ²⁵⁵ --	11	
228.	1990 – Summer especially, Heat	--	21
229.	1992 – Aug 26, Hurricane Andrew , LA	--	17
230.	1993 – Summer esp., Heat (LA subset of 311 U.S. heat deaths)	--	14
231.	1995 – Summer Heat (LA subset of 1,563-1,601 U.S. heat-related deaths)	--	16
232.	1998 – Summer, especially July, Heat , (LA subset of 373 U.S. heat-related deaths)	--	45
233.	1999 – May 9, New Orleans Tour Bus Crash , LA	--	22
234.	1999 – Summer especially, Heat (LA subset of 1,050 U.S. heat-related deaths)	--	22
235.	2000 – July-Aug especially, Heat , LA (subset of 301 U.S. heat-related deaths)	--	23
236.	2005 – Mar 10, Fire, Townhouse Mattress , Marrero, LA	--	11
237.	2005 – Summer especially, Heat , LA	--	17
238.	2005 – Aug 29, Hurricane Katrina , especially New Orleans and Coast of LA	--1,577	
239.	2006 – Summer especially, Heat , LA	--	11

²⁵² Cross-listed in Fire-Structural.

²⁵³ Thirteen oil rig workers died in an Air Logistics helicopter crash on Aug 6 in a Hurricane Allen related evacuation, and 4 men were lost from an offshore oil rig or barge on Aug 8 due to the effects of the hurricane.

²⁵⁴ 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).

²⁵⁵ Cross-listed in Louisiana even though the explosion and fire took place on the Texas side of the border, in that most of the victims were Louisiana residents.

240.	2008 – Sep 1, Hurricane Gustav , Cocodrie, LA landfall	--	48
241.	2009 -- Especially Spring through Winter, H1N1 “Swine Flu”	--	41-52
242.	2009 – Summer especially, Heat , LA	--	10
243.	2010 – Apr 20, Drill Rig Deepwater Horizon Explosion , Gulf of Mex., ~50m off LA--	--	11
244.	2010 – June-Aug, Heat (LA subset of 727 U.S. heat-related deaths)	--	17
245.	2011 – Summer especially, Heat (LA subset of 719-724 U.S. heat-related deaths)	--	16
246.	2012 -- Summer especially, Heat (LA subset of 598 U.S. heat-related deaths)	--	11
247.	2016 -- Aug 12-16, Flooding , especially East Baton Rouge Parish, Louisiana	--	13

Louisiana Select Other Loss of Life Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	171
1860 --	Smallpox (LA subset of 1,263-1,271 smallpox deaths in reporting States)	--	16
1870 --	Tuberculosis (Consumption) (LA subset of ~70,000 TB deaths nationwide)	--	1,409
1870 --	Typhus (LA subset of 1,770 typhus deaths nationwide)	--	50
1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	192
1879 --	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	120
1879 --	June-May 1880, Measles , esp. children (LA subset, 8,254 U.S. measles deaths)	--	53
1879 --	June-May 1880, Meningitis (LA subset of 7,481 meningitis deaths nationwide)	--	59
1879 --	June-May 1880, Smallpox (LA subset, approximately 1,270 US smallpox deaths)	--	15
1879 --	June-May 1880, Tuberculosis (LA subset of 91,270 TB deaths nationwide)	--	660
1879 --	June-May 1880, Typhoid Fever (LA subset of 23,339 U.S. Typhoid deaths)	--	259
1879 --	June-May 1880, Whooping Cough (LA subset, 11,064 U.S. W.C. deaths)	--	102
1890 --	Diphtheria and Croup (LA subset of 41,677 U.S. diphtheria/croup deaths)	--	115
1890 --	Jan-Feb, Influenza (La Grippe/Russian Flu) , New Orleans, LA	--	121
1890 --	Typhoid Fever , New Orleans (LA subset of ~30,000 typhoid deaths nationwide)	--	45
1891 --	June 19, Train Wreck , near Sauve plantation and New Orleans, LA ²⁵⁶	--	6-8
1898 --	Typhoid Fever , First and Second Louisiana Volunteer Infantry, U.S. Camps	--	19
1900 --	Tuberculosis (20,955 LA deaths all causes) (109,750 US tuberculosis deaths) ²⁵⁷	--	2,016
1915 --	Dec-Jan 1916, Influenza and Pneumonia subset of larger epidemic, New Orleans--	--	132
1916 --	Diphtheria , especially children	--	52
1916 --	Polio , Statewide, LA	--	18
1918 --	Typhoid Fever (LA subset of 9,100 U.S. Typhoid Fever deaths)	--	691
1920 --	Diphtheria and Croup (LA subset of 13,395 such deaths in 34 registration states)--	--	111
1920 --	Measles (LA subset of 7,712 measles deaths in 34 registration states)	--	43
1920 --	Scarlet Fever (LA subset of 4,004 such deaths in 34 registration states)	--	15
1920 --	Typhoid Fever (LA subset of 6,805 typhoid fever deaths in 34 registration states)--	--	280
1920 --	Whooping Cough (LA subset, 10,968 whooping cough deaths in 34 reg. states)	--	184
1920 --	April 15, Gas explosion, Jefferson Island salt mine, Delcambre, LA	--	6
1927 --	Polio (acute) esp. late Summer and Fall (LA subset, 2,013 polio deaths nationwide)--	--	33
1931 --	“Epidemic Cerebrospinal Meningitis ,” ²⁵⁸ (LA subset, 2,832 US meningitis deaths)--	--	53
1931 --	Diphtheria , especially children (LA subset, 5,738 U.S. diphtheria deaths)	--	135
1931 --	Influenza (LA subset of 31,701 influenza deaths nationwide)	--	928

²⁵⁶ Six reportedly killed in scant report of a “wreck” on June 19 and 2 survivors dying of injuries the next day.

²⁵⁷ Leading cause of death in Louisiana in 1900, with pneumonia second at 1,945 deaths.

²⁵⁸ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Louisiana Select Other Loss of Life Events (continued)

1931 -- Malaria (LA subset, 2,536 malaria deaths nationwide)	--	139
1931 -- Measles , especially children (LA subset, 3,576 measles deaths nationwide)	--	21
1931 -- Polio , esp. July-Oct, (LA subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	18
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (LA subset of 1,997 U.S. diphtheria deaths)	--	67
1939 -- Malaria (LA subset of 1,761 malaria deaths nationwide)	--	111
1939 -- Tuberculosis (LA subset of 61,609 tuberculosis deaths nationwide)	--	1,285
1939 -- Whooping Cough (LA subset of 3,026 whooping cough deaths nationwide)	--	110
1940 -- Malaria (LA subset of 1,442 U.S. malaria deaths)	--	87
1940 -- Polio (LA subset of 1,026 polio deaths nationwide)	--	15
1940 -- Tuberculosis (LA subset of 55,576 tuberculosis deaths nationwide)	--	1,318
1940 -- Whooping Cough (LA subset of 2,926 whooping cough deaths nationwide)	--	150
1944 -- Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	--	39
1944 -- Influenza (LA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	467
1944 -- Measles , especially Jan-June (LA subset of 1,923 measles deaths nationwide)	--	59
1944 -- Tuberculosis (LA subset of 54,731 tuberculosis deaths nationwide)	--	1,158
1944 -- Whooping Cough (LA subset of 1,878 whooping cough deaths nationwide)	--	39
1944 -- Apr 19, USN Airship K-133 , Houma NAS, LA, downs in T-storm, Gulf of Mexico--		9
1946 -- Feb 19, Natural Gas Explosion & Fire , Apartment Building, New Orleans, LA	--	7
1950 -- Measles , especially children (LA subset of 468 measles deaths nationwide)	--	10
1951 -- Jan 27-Feb 5, Cold Waves, Winter Storms, ice, sleet, snow , LA ²⁵⁹	--	5-9
1969 -- Aug 17-18, Hurricane Camille (subset of 291-339 deaths in LA, MS, VA, WV)	--	9
1979 -- June 8, Gas explosion , Belle Isle Mine, Franklin, LA	--	5
1982 -- Jan 12-13, Extreme Winter Cold and Storms , LA	--	6
1986 -- Measles (ICD-9 055 code; subset of 3 US measles deaths in 1986)	--	1
1989 -- Dec, Cold Wave	--	5
2001 -- Summer, Heat , LA	--	9
2004 -- Summer, Heat , LA	--	6
2007 -- Summer, Heat , LA	--	8
2008 -- Sep-13-14, Hurricane Ike , esp. Iberville, Jefferson Davis, Terrebonne Parishes	--	9
2008 -- Dec 11, Air Taxi/Commuter Helicopter Crash , Gulf of Mexico, Sabine Pass, TX--		5
2009 -- Jan 4, Sikorsky Helicopter hits hawk after takeoff, crashes ~Morgan City, LA	--	8
2010 -- Dec 28, Fire , Abandoned Warehouse used by homeless, New Orleans, LA	--	8
2014 -- Nov 11, residential family home fire (mother, grandmother, 3 children) Broadmoor--		5

Breakout of **Louisiana** Large Loss-of-Life Events (10 or more fatalities) by Type:

- 78 -- **Disease**, select communicable, especially epidemics. (Plus 57 in "Other.")
- 69 -- **Maritime and Inland Waterways**.
- 19 -- **Hurricanes**. (Plus two --Camille with 9 deaths and Ike with 8.)²⁶⁰
- 18 -- **Tornadoes**
- 17 -- **Heat**. (Plus three -- 1 with 9 deaths in 2001, 6 in 2004, and 8 deaths in 2007.)
- 15 -- **Aviation**.²⁶¹ Plus three -- 1944 (9), 2008 (5), and 2009 (8), in "Other."

²⁵⁹ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

²⁶⁰ Includes cross-listing of Hurricane Allen and ODECO helicopter crash while evacuating from the hurricane.

- 14 -- **Violence.**
- 7 -- **Explosions.** (Plus one with 7 deaths in “Other.”)²⁶²
- 4 -- **Flooding.** (Non-hurricane-related.)
- 3 -- **Rail.** (Plus one with 6-8 deaths in “Other.”)
- 3 -- **Structural Failure.**
- 2 -- **Vehicular/Road/Highway.**
- 1 -- **Fire-Structural.** (Plus 2: 8 deaths in 2010, 5 in 2014 in “Other.”)
- 1 -- **Mining.** (Plus 2 events <10 deaths: 6 in 1920 and 5 in 1979.)
- 0 -- **Carbon Monoxide Poisoning.** (Five died following Hurricane Katrina in 2005.)
- 0 -- **Winter Weather.** (3 events<10 deaths: 5-9 in Jan/Feb 1951, 6 in Jan 1982, 5 in Dec 1989.)

²⁶¹ Includes cross-listing of Hurricane Allen and ODECO helicopter crash while evacuating from the hurricane.

²⁶² This includes the cross-listing of the fishing boat Northumberland explosion and fire when it ruptured an off-shore natural gas pipeline on Oct 3, 1989, killing 11.

1. 1616-17 -- **Epidemic, Native Americans, Maine** -- >Hundreds
2. 1675 -- Sep late, Natives attack settlers, relief force ambushed, Scarborough vic., ME --23-24
3. 1676 -- Aug 11, **Massacre** and captivity, Natives attack English settlers, Portland, ME-- ≥10
4. 1676 -- Aug 13-14, **Massacre**, Natives attack settlers, Kennebec River & Arrowsic, ME--≥14
5. 1676 -- Sep 25, **Massacre**, Natives destroy settlement at Cape Neddock, ME, kill/capture--40
6. 1677 -- June 29, **Massacre**, Natives attack party of 90 settlers near Black Point, ME -- 60
7. 1689 -- Sep 26, **Battle**, Major Church force and Natives, near Falmouth (Portland), ME -- 10
8. 1690 -- May 20, **Massacre**, French/Indians attack settlers, Falmouth (Portland), ME~120-200
9. 1690 -- ~Sep 15, **Massacre**, English attack native village, NW of Brunswick, ME -- 21
10. 1692 -- Jan 25, **Massacre**, French and Indians attack English colony, York, ME ---50-75
11. 1703 -- Aug 10, **French & Indians attack So. coastal ME**, esp. greater Portland vic. -- ≥61
12. 1703 -- Oct 6, **Massacre**, Eng. settlers/militia attacked while farming, Scarborough, ME-- 19
13. 1724 -- Aug 23 **Massacre**, Eng. attack native village, Norridgewock (Old Point), ME-50-100
14. 1735-early 1736 -- “Throat distemper” (**diphtheria**) epidemic, Kittery, ME²⁶³ -- 122
15. 1807 -- July 11, **Schooner Charles, Wrecks on Reef, Fog**, west of Portland Light, ME-- 16
16. 1815 -- Jan 23, **Portland ME Privateer Dash lost**, presumably on George’s Bank -- 63
17. 1825 -- Oct 07, **Miramichi and Maine Wildfires ME** -- 300
18. 1842--Nov 30, Coastal Storm, **Isadore lost**, Cape Neddock ME, Schooner *Napoleon*²⁶⁴-20-21
19. 1849 -- Summer-Fall, **Cholera, Maine** -- 133
20. 1849 -- Nov 09, Bath, ME ship **Hanover, grounds**, gale, mouth Kennebec River, ME --24-26
21. 1850 -- Dec 03, **Fire, Maine Insane Asylum, Augusta ME** -- 28
22. 1851 -- Oct 3-4, Storm, **Fishing Schooners Lost or Damaged**, Prince Edward Island CA--58
23. 1860 -- **Smallpox** (Maine subset of 1,263-1,271 smallpox deaths in reporting States) -- 56
24. 1860 -- **Typhoid Fever** (ME subset, 19,236 deaths in 38 “registration” States and DC)-- 434
25. 1860 -- Sep 22, Gloucester, MA Sch. *Neptune’s Bride* grounds, Malcomb’s Ledge, ME²⁶⁵-12
26. 1864 -- Feb 22, **Steamship Bohemian wrecks**, Alden’s Rock, off Richmond Isl., ME --19-20
27. 1869 -- Sep 08, **Hurricane**, Fishing Schooner *Helen Eliza Grounds*, Peak’s Island, ME-- 12
28. 1870 -- **Typhoid Fever** (Maine subset of 22,187 typhoid fever deaths nationwide) -- 608
29. 1887 -- Jul-Oct, **Bark Isabel lost at sea**, Rockland, ME to Pensacola, FL -- 10
30. 1889 -- Mar 16, Portland, **Maine Bark E.L. Pettengill, wrecks**, Chesapeake Bay -- 14
31. 1891 -- Sep, Portland ME **Fishing Schooner City Point Lost**, La Harve Banks trip --12-14
32. 1898 -- Nov 26-27, **Nor’easter, SS Portland sinks** (Cape Ann MA), New Eng.²⁶⁶ 450-500
33. 1899 -- Aug 06, **Gangplank Fails**, Drowning, Mount Desert Ferry ~ Bar Harbor ME -- 20
34. 1900 -- **Typhoid Fever** (Maine subset of 35,379 typhoid fever deaths nationwide) -- 200
35. 1902 -- July 17, Sudden Squall, **Excursion Party Boat Capsizes**, ~Appledore Is., ME²⁶⁷-- 14
36. 1903 -- Sep 15-17, **Hurricane**, Sch. *George F. Edmunds* grounds, Pemaquid Point, ME--15
37. 1907 -- April, **Maine Ship Arthur Sewall lost at sea**, Philly to Seattle -- 28
38. 1918 -- Sep-May 1919, **Influenza and Pneumonia Epidemic, ME** --4,667-5,030

²⁶³ Primarily children’s disease. Was large percentage of child pop. in a small community during less than one year.

²⁶⁴ This is a subset of 28-30 fatalities – 3 in Boston Harbor and 5-6 at Rye Beach, NH.

²⁶⁵ Cross listed in Massachusetts in that it was a Gloucester boat.

²⁶⁶ Cross listed here, as well as in MA, in that the *Portland* was a Maine boat with many Maine residents on board, going home (Boston to Portland), who drowned when the boat went down. There were up to 192 fatalities on the *Portland*. Remaining fatalities were other Mass. Maritime losses, as well as some deaths elsewhere.

²⁶⁷ Listed in MA as well as ME in that while the boat capsized in ME waters, 10 of the 14 drowned, were of MA.

1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, ME	--3,467-3,800
1919 -- Jan-May, Influenza and Pneumonia Epidemic, ME	--1,200-1,230

Maine (continued)

39. 1919 -- Dec 20, Trains Collide/Fire , near Onawa, ME	--23-24
40. 1920 -- Jan-Dec, Influenza and pneumonia , Maine	--1,759
41. 1920 -- Feb 06, Steamer Polias , Snowstm., hits Old Cilley Ledge , Penobscot Bay, ME--	11
42. 1920 -- Nov 18, Motorboat fire, Lumbermen drownings , Chesuncook Lake, ME	-- 16
43. 1924 -- Mar 11/12, Maine Schooner Wyoming sinks in blizzard off Chatham, MA ²⁶⁸ -	13-18
44. 1936 -- June 19, Outboard Motor Boat capsizes, children drown , Lake Gardner, ME--	12
45. 1941 -- June 29, Cabin Cruiser Don Explodes and Burns off Bailey Island, ME	-- 37
46. 1942 -- Sep 22, Two USAAF B-25C Bombers Crash ~Presque Isle and Washburn, ME ²⁶⁹ -	14
47. 1944 -- July 11, USAAF B-17G Plane Crash , Deer Mountain near Rangeley, ME	-- 10
48. 1944 -- July 11, Crash/Fire, USAAF A-26 , Westbrook Trailer Camp, S. Portland, ME--	19
49. 1945 -- Jan 31, Fire, Lacoste Babies' Boarding Home & Nursery , Auburn, ME ²⁷⁰	-- 17
50. 1947 -- Oct 17-27, Forest Fire , Mount Desert Island, ME	-- 16
51. 1977 -- Dec 11, BNAS-based USN Orion Crash, Fog , El Hierro Mt., Canary Islands ²⁷¹ --	13
52. 1979 -- May 30, Downeast Airlines #46 approach crash , Owls Head ~Rockland, ME--	17
53. 2002 -- Sep 12, Speeding Van , off John's Bridge btwn Eagle & Churchill Lakes, ME	-- 14
54. 2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--19-21

Select Other Maine Loss of Life Events:

1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	-- 119
1860 -- Measles (Maine subset of 3,900 measles deaths nationwide)	-- 31
1860 -- Scarlet Fever (Maine subset of 26,402 deaths in 38 Census States & DC)	-- 347
1860 -- Tuberculosis , reported as "consumption" (subset of 49,082 death nationwide) ²⁷² --	2,169
1860 -- Whooping Cough (Maine subset of 8,408 whooping cough deaths nationwide)	-- 72
1870 -- Croup (Maine subset of 10,692 deaths nationwide)	-- 59
1870 -- Scarlet Fever , especially children (Maine subset of 20,339 deaths nationwide)	-- 422
1870 -- Tuberculosis (Consumption) (Maine subset of ~70,000 TB deaths nationwide)	--1,991
1870 -- Typhus (Maine subset of 1,770 typhus deaths nationwide)	-- 32
1870 -- Whooping Cough (Maine subset of 9,008 whooping cough deaths nationwide)	-- 71
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	-- 145
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	-- 890
1879 -- June-May 1880, " Malarial Fever ," (Maine subset, 20,231 such deaths nationwide)--	27
1879 -- June-May 1880, Measles , esp. children (ME subset, 8,254 U.S. measles deaths)	-- 36
1879 -- June-May 1880, Meningitis (Maine subset of 7,481 U.S. meningitis deaths)	-- 51
1879 -- June-May 1880, Scarlet Fever , esp. children (ME subset, 16,388 US S.F. deaths)	-- 186

²⁶⁸ Listed, as well, within Massachusetts section in that the boat was crewed by Boston men and sank off MA coast.

²⁶⁹ A subset of 25 fatalities from eight USAAF plane crashes and collisions on this date.

²⁷⁰ This was a boarding home for babies and children up to five.

²⁷¹ Cross-listed here in that the crew was permanently based out of the Brunswick Naval Air Station. Maine Governor Langley attended a BNAS memorial service and ordered State government flags flown at half-mast.

²⁷² Was the leading reported cause of death in the State and in the U.S. in 1860.

Maine Select Other Loss of Life Events (continued)

1879 -- June-May 1880, Tuberculosis (Maine subset of 91,270 TB deaths nationwide)	--1,825
1879 -- June-May 1880, Typhoid Fever (Maine subset of 23,339 U.S. Typhoid deaths)	-- 191
1879 -- June-May 1880, Whooping Cough (Maine subset, 11,064 U.S. W.C. deaths)	-- 55
1890 -- Jan, Influenza (La Grippe/Russian Flu) , Portland, ME	-- 47
1898 -- Typhoid Fever (subset of 3071 deaths), First Maine Volunteer Inf., US camps ²⁷³	-- 45
1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	-- 5
1900 -- Tuberculosis (12,148 ME deaths all causes) (109,750 US tuberculosis deaths) ²⁷⁴	--1,145
1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 9
1902 -- Aug 24, Fire, residence , kills children, Portland, ME	-- 5
1907 -- Influenza (Maine subset of over 10,066 deaths in "registration" areas) ²⁷⁵	-- 265
1907 -- Typhoid Fever (Maine subset of approximately 13,000 deaths nationwide)	-- 127
1908 -- Sep 1, Drownings, Sloop Capsizes in Squal , Penobscot Bay off Deer Isle, ME	-- 7
1910 -- Polio , Maine	-- 31
1911 -- July 28, Head-on Train Collision , Bangor and Aroostook RR, Grindstone, ME	-- 8-9
1916 -- Polio , especially children, Maine	-- 23
1918 -- Typhoid Fever (Maine subset of 9,100 U.S. Typhoid Fever deaths)	-- 58
1920 -- Diphtheria and Croup (ME subset, 13,395 such deaths in 34 registration states)	-- 64
1920 -- Measles (ME subset of 7,712 measles deaths in 34 registration states)	-- 30
1920 -- Scarlet Fever (ME subset of 4,004 such deaths in 34 registration states)	-- 23
1920 -- Typhoid Fever (ME subset, 6,805 typhoid fever deaths in 34 registration states)	-- 69
1920 -- Whooping Cough (ME subset, 10,968 whooping cough deaths in 34 reg. states)	-- 126
1921 -- Polio (Acute) esp. late Summer-Fall (Maine subset, 1,597 U.S. polio deaths)	-- 17
1931 -- Diphtheria , especially children (Maine subset, 5,738 U.S. diphtheria deaths)	-- 20
1931 -- Influenza (Maine subset of 31,701 influenza deaths nationwide)	-- 233
1931 -- Measles , especially children (Maine subset, 3,576 measles deaths nationwide)	-- 22
1931 -- Polio , esp. July-Oct, (Maine subset of 2,139-2,144 U.S. polio deaths, esp. children)--	11
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (Maine subset of 1,997 U.S. diphtheria deaths)--	10
1939 -- Influenza and Pneumonia (ME subset, 99,097 U.S. influenza/pneumonia deaths)--	785
1939 -- Tuberculosis (Maine subset of 61,609 tuberculosis deaths nationwide)	-- 255
1939 -- Whooping Cough (Maine subset of 3,026 whooping cough deaths nationwide)	-- 36
1940 -- Influenza and Pneumonia (ME subset of 92,525 U.S. flu and pneumonia deaths)--	568
1940 -- Tuberculosis (Maine subset of 55,576 tuberculosis deaths nationwide)	-- 229
1940 -- Whooping Cough (Maine subset of 2,926 whooping cough deaths nationwide)	-- 21
1941 -- Measles , especially children (Maine subset of 2,279 measles deaths nationwide)	-- 16
1942 -- May 24, USAAF Transport Plane Crashes in swamp near Howe Brook, ME	-- 6
1943 -- Feb 16, Fire, Rooming House , Augusta, ME	-- 8
1943 -- June 26, USAAF B-26, buzzes relative's farm, crashes, kills crew/farm workers--	9
1944 -- Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	-- 22
1944 -- Influenza (ME subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 144
1944 -- Measles , especially Jan-June (Maine subset of 1,923 measles deaths nationwide)	-- 11

²⁷³ At least 31 soldiers died in Maine, most probably from the First Maine.

²⁷⁴ Leading cause of death in Maine in 1900, with pneumonia a close second with 1,139 deaths.

²⁷⁵ With death rate of 36.9 per 100,000 population, among registration States only Conn. (44.2), NH (42.0) and Vermont (51.5), had a higher death rate.

Maine Select Other Loss of Life Events (continued)

1944 -- March 6, Fire, residence , children killed, York Beach, ME	--	7
1950 -- March 2, Fire, residence (kitchen oil stove suspected), Monson, ME	--	8
1952 -- April 14, USN P2V Ventura Patrol Bomber Crash , Brunswick NAS, ME	--	5
1953 -- Polio (Maine subset of 1,450 polio deaths nationwide)	--	11
1953 -- May 29, Speeding Car and 10-ton Power Shovel collide , South China, ME	--	6
1954 -- Jan 4, Fire, Home Oil Space Heater Explodes , Old Orchard Beach, ME	--	5
1954 -- Aug 23, Fire, Residence, children die , Waterville, ME	--	5
1957 -- Apr 12, U.S. Navy Neptune VP26 Bomber Crashes , Brunswick, ME	--	6
1959 -- Jan 20, Fire (exploding stove?), residence, children killed , Ashland, ME	--	6
1960 -- Mar 27, Home Fire kills widow, five children (faulty oil burner), Winthrop, ME	--	6
1962 -- May 09 USAF KC-135A Stratotanker Engine Failure , Crash, Loring, AFB, ME--	--	6
1963 -- Dec 16, Fire, Duplex home , space heater spilled oil, children die, Portland, ME	--	6
1967 -- July 4, Fire, Shanty Family Residence (defective wiring suspected), Oxford, ME--	--	8
1971 -- Apr 2, Hazardous Materials Truck/Tank Incident , Berwick, ME	--	6
1985 -- Measles (subset of 5 US measles deaths)	--	1
1998 -- Jan 9~, Ice Storm , CO poisoning deaths/3, hypothermia/3, roof collapse/1, tree fall/1--	--	8
2014 -- Nov 1, 3-story rooming house fire , Portland (landlord charged with manslaughter)--	--	6

Breakout of **Maine** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 21 -- **Maritime and Inland Waterways**. (Plus 7 drowning deaths in 1908 sloop capsizing.)
- 12 -- **Violence**
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 50 in "Other.")
- 5 -- **Aviation** (Plus 5 with 5-9 fatalities.)
- 2 -- **Fire, Structural**. (Plus 11 with 5-8 fatalities in "Other.")
- 2 -- **Forest fire/Wildfire**.
- 2 -- **Hurricanes**. (Both were Maritime events and are thus cross-listed.)
- 1 -- **Rail**. (Plus 1 with 9 fatalities.)
- 1 -- **Structural Failure**.
- 1 -- **Vehicular/Road/Highway**. (Plus two – each with 6 fatalities.)
- 0 -- **Heat**. (But 5 deaths in 1900 and 9 deaths in 1901 heat waves.)
- 0 -- **Winter Weather** (8 deaths in Jan 1998 Ice Storm)

MD

Maryland

1.	1655 -- Mar 20, Battle of Severn , “Marylanders” attack “Puritans,” Providence, MD	-- 19
2.	1798 -- Yellow Fever Outbreak, Baltimore, MD	-- 200
3.	1800 -- Yellow Fever Epidemic, Baltimore, MD	--900-1,197
4.	1811 -- Oct-April 1812, Smallpox Epidemic, Baltimore, MD	-- 135
5.	1819 -- July 1-Oct 20, Yellow Fever Epidemic, Baltimore, MD	-- ≥47
6.	1821 -- Aug, Smallpox , Baltimore, MD	-- 47
7.	1821 -- Aug 21-31, Yellow Fever , Baltimore, MD	-- 42
8.	1832 -- Aug 4-Nov 17, Cholera , esp. Baltimore, Frederick, Hagerstown, MD	--1,230-1,387
9.	1834 -- Nov 3-10, 16-22, Cholera , Baltimore, MD	-- 64
10.	1837 -- June 14-15, Thunderstorms, Flooding , Jones’ Falls, Baltimore, MD	--24-30
11.	1842 -- Apr 14, Medora Steamboat Boiler Explosion , Baltimore Harbor, MD	-- 28
12.	1849 -- July, Cholera , especially Baltimore Almshouse (86-99), MD	-- 159
13.	1849 -- Yellow Fever Epidemic, Fell’s Point, Baltimore, MD (out of 18 cases)	-- 18
14.	1854 -- July-Sep, Cholera , esp. Baltimore, and Cumberland, MD	-- 102
15.	1854 -- Yellow Fever Epidemic, Fells’ Point, Baltimore, MD (out of 40 cases)	-- 20
16.	1854 -- July 04, Two-Train Collision , Near Relay House, Baltimore, MD	-- 30
17.	1857 -- Apr 14, Fire, Warehouse wall/floor collapse , Charles Street, Baltimore, MD	-- 12
18.	1860 -- Scarlatina (scarlet fever); subset of 26,402 deaths in 38 Census States & DC ²⁷⁶ --	341
19.	1861 -- Apr 19, Secession Mob Attacks 6th MA & 7th PA Regiments , Baltimore MD--	16
20.	1863 -- Smallpox , especially Baltimore and Point Lookout Confederate POW Camp	-- 263
21.	1864 -- Nov 12, Navy Gunboat Tulip Boiler Explosion , Ragged Point, MD	--49-61
22.	1868 -- July 15-16, Heat , Baltimore, MD	-- 24
23.	1868 -- July 24, Flood , Baltimore and Ellicott City, MD	-- 50
24.	1871 -- Scarlet Fever Epidemic, Baltimore, MD	-- 625
25.	1872 -- Smallpox , Baltimore, MD	--1,215
26.	1873 -- Nov 1872-Nov 1873, Smallpox , Baltimore, MD	-- 631
27.	1876 -- Yellow Fever , Fell’s Point and U.S. Marine Hospital, Baltimore (~80% lethal)--	74
28.	1877 -- July 20-26, Great Railroad Strike and Violence , Baltimore, MD	--10-13
29.	1882 -- Smallpox , Baltimore, MD	-- 551
30.	1883 -- Smallpox , Baltimore, MD	-- 633
31.	1883 -- July 23, Pier Fails , North Point, Tivoli Park, Baltimore, MD	--63-70
32.	1888 -- March 11-14, Blizzard , MD	-- 22
33.	1888 -- Aug 21, Tornado , F2, Kent County, MD	-- 11
34.	1892 -- Feb 19-Mar 02~, Gale, Sch. Tecumseh, Strands , Fenwick Isl. Shoals, MD	--10-11
35.	1895 -- Dec 27, Fire Panic, Trampling , Front St. Theater, Baltimore, MD	-- 27
36.	1896 -- Aug 9-10, Heat , Sunstroke, Heat Prostration, Baltimore, MD	-- 25
37.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- ~226
38.	1902 -- July 20, Severe Thunderstorm , ~1:30-1:45 pm, Baltimore & vicinity, MD	--12-13
39.	1900 -- Aug 6-19, Heat , Baltimore, MD	-- 62
40.	1905 -- Jun 17, Trains Collide , Western MD Road, near Patapsco Station, MD	--23-26
41.	1911 -- July 2-9, Heat , Baltimore, MD	--34-42
42.	1913 -- Jan 1-25, Steamer El Dorado Lost , to Galveston, TX from Sparrow Point MD--	39
43.	1913 -- Mar 07, Harbor/Ship (Alum Chine) Dynamite Explosion , Baltimore, MD	-- 55

²⁷⁶ Second leading known cause of death in the State in 1860, behind consumption.

Maryland (continued)

44.	1914 -- May ~15, Steamer <i>F.J. Luckenbach</i> , FL to Baltimore, Lost off Coast of SC? ²⁷⁷ --	29
45.	1916 -- Feb 29, Dust Explos. , Davis Coal & Coke Co., Mine No. 42, ~Kempton, MD --	16
46.	1918 -- Sep-Apr, 1919, Influenza (and Pneumonia) epidemic , especially Baltimore	12,098
	1918 -- Sep-Dec, Influenza Epidemic, especially greater Baltimore, MD	--9,494
	1919 -- Jan-April, Influenza Epidemic, MD	--2,604
47.	1920 -- Jan-March, Influenza Epidemic , Baltimore, MD	--1,091
48.	1919 -- May 23, Steamer <i>Virginia</i> Fire ~Potomac Riv. mouth, Chesapeake Bay, MD --	6-15
49.	1924 -- July 05, Steamer <i>Three Rivers</i> Fire , Chesapeake Bay, off Cove Point, MD	-- 10
50.	1926 -- Nov 09, Tornado , Charles and Prince Georges Counties, MD	-- 17
51.	1926 -- Nov 19, Oil tanker <i>Mantilla</i> explos. , Bethlehem Steel drydock, Sparrows Point MD --	18
52.	1927 -- July 13-15, Heat , especially Baltimore, MD	-- 5-11
53.	1930 -- July-Aug, Heat , especially Baltimore, MD	-- 64
54.	1931 -- Summer, Heat , and excessive heat deaths (subset, 2,768 U.S. deaths)	-- 36
55.	1935 -- Apr 12, School Bus and Train Collision , Rockville, MD	-- 14
56.	1942 -- Sep 24, Three-Train Crash , Smith's Cut, so. of Frederick, ~Dickerson, MD	-- 14
57.	1943 -- May 04, Explosion , Triumph Explosives Inc. Munitions Plant, Elkton, MD	-- 15
58.	1945 -- May 25, Firebomb igniter explosion , Edgewood Arsenal, Aberdeen, MD	-- 12
59.	1947 -- May 30, Plane Crash, Eastern Air Lines Flight 605 near Bainbridge MD	-- 53
60.	1954 -- Mar 19, Plane Fire & Crash, USAF C-119, #51-7993 , near Lothian, MD	-- 18
61.	1954 -- June 7, Two-car collision , Rt. 416 (MD 4) Lyons Creek, Calvert County, MD --	10
62.	1954 -- July 16, Explos./fire/explos. , Kent Defense/Fireworks Mfg., Chestertown, MD --	11
63.	1954 -- Oct 30/31, Plane Lost at Sea, USN Transport , Off Ocean City, MD	-- 42
64.	1956 -- Jan 29, Fire, Maryland Oyster Roast , Arundel Park Hall, Brooklyn, MD	-- 11
65.	1958 -- Feb 17, Snow Storm , MD	-- 11
66.	1958 -- May 20, Planes Collide , Capital Air & MD Air Nat. Guard, Brunswick, MD	-- 12
67.	1959 -- May 12, Plane Crash in Storm , Capital Air Flight 75, near Chase MD	-- 31
68.	1960 -- Feb 25, USN R6D / DC-3 Collide in Fog off Rio de Janeiro, Brazil ²⁷⁸ --	61 (USN-35)
69.	1960 -- Mar 2-5, Snowstorm , MD	-- 12
70.	1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave , MD ²⁷⁹	-- 28
71.	1962 -- Nov 23, Plane/Bird Collision , United 297 Crash, Near Ellicott City, MD	-- 17
72.	1963 -- Dec 08, Plane Crash (Lightning) , Pan Am Flight 214, Elkton, MD	-- 81
73.	1971 -- Aug 1, Thunderstorm, Flooding , Baltimore, MD	-- 14
74.	1972 -- June 21-22, Flooding , Tropical Storm Agnes, MD	-- 21
75.	1979 -- Feb 18-19, Presidents Birthday Winter Storm (snow, ice, cold)	-- 16
76.	1979 -- Apr 23, impaired driver, pickup speeds through curve into trees ~Crofton, MD --	10
77.	1981 -- May 06, Plane Crash, USAF EC-135N , Walkersville, near Frederick MD	-- 21
78.	1982 -- May 14, Fire, Row House (3 adults, 7 children), Baltimore, MD	-- 10
79.	1987 -- Jan 4, Amtrak 94 rear-ends Conrail ENS-121 freight train , Chase, MD	-- 16
80.	1995 -- July 14-31, Heat , especially greater Baltimore, MD	-- 11

²⁷⁷ While it is thought the *Luckenbach* went down off SC coast, the boat was based out of Baltimore, and crewed predominantly, apparently, by Baltimore men. (BWB)

²⁷⁸ Listed in MD in that approximately 10, if not more, of the 19 US Navy Band members and plane crew who died in the crash, lived in MD in the Washington, DC suburbs.

²⁷⁹ MD subset of 108-268 fatalities overall.

Maryland (continued)

81. 1996 -- Jan 7-8, Snow Storm (Blizzard of '96)	--	14
82. 1996 -- Feb 16, MARC and Amtrak 29 Trains Collide , Silver Spring, MD	--	11
83. 1999 -- Summer, Heat , Baltimore (subset of 1,050 heat-related deaths nationwide)	--	15
84. 2002 -- Summer, Heat , esp. Baltimore (subset of ~400 U.S. heat-related deaths)	--	50
85. 2005 -- Summer, Heat , MD (subset of 584 heat-related fatalities nationwide)	--	47
86. 2006 -- Sum., Heat , esp. Baltimore, also Calvert, Carroll, Harford, Howard, PG counties--	44	
87. 2008 -- Summer, Heat , MD (subset of 144-145 heat-related fatalities nationwide)	--	17
88. 2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--43-45	
89. 2010 -- Summer Heat (AR subset of 627 U.S. heat-related deaths) ²⁸⁰	--	32
90. 2011 -- July-Aug 8, Heat , esp. Baltimore, Cecil, Prince Geo., Somerset, Wicomico Co.--	34	
91. 2012 -- June-Sep esp., Heat , especially the elderly, especially Baltimore, MD	--	46
92. 2013 -- Summer especially, Heat , especially greater Baltimore, MD	--	15
93. 2012 -- Oct 29-30, Hurricane Sandy (subset of 154-155 U.S. deaths)	--	11

Select Other Maryland Loss of Events:

1817 -- Aug 08, Flooding , Baltimore, MD	--	6
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	299
1860 -- Measles (MD subset of 3,900 measles deaths nationwide)	--	120
1860 -- Scarlet Fever (MD subset, 26,402 deaths in 38 Census States & DC)	--	341
1860 -- Tuberculosis ("consumption") (MD subset of 49,082 death nationwide) ²⁸¹	--1,197	
1860 -- Whooping Cough (MD subset of 8,408 whooping cough deaths nationwide)	--	206
1870 -- Diphtheria (MD subset of 6,303 diphtheria deaths nationwide)	--	218
1870 -- Measles (MD subset of 9,237 measles deaths nationwide)	--	177
1870 -- Scarlet Fever , especially children (MD subset of 20,339 deaths nationwide)	--	331
1870 -- Tuberculosis (Consumption) (MD subset of ~70,000 TB deaths nationwide)	--1,678	
1870 -- Typhoid Fever (MD subset of 22,187 U.S. typhoid fever deaths)	--	434
1870 -- Typhus Fever , 42 in Baltimore (MD subset of 1,770 typhus deaths nationwide)	--	82
1870 -- Whooping Cough (MD subset of 9,008 whooping cough deaths nationwide)	--	281
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	184
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	302
1879 -- June-May 1880, " Malarial Fever ," (MD subset, 20,231 such deaths nationwide)	--	171
1879 -- June-May 1880, Measles , esp. children (MD subset, 8,254 U.S. measles deaths)	--	45
1879 -- June-May 1880, Meningitis (MD subset of 7,481 meningitis deaths nationwide)	--	50
1879 -- June-May 1880, Scarlet Fever , esp. children (MD subset, 16,388 US S.F. deaths)--	154	
1879 -- June-May 1880, Tuberculosis (MD subset of 91,270 TB deaths nationwide)	--1,302	
1879 -- June-May 1880, Typhoid Fever (MD subset of 23,339 U.S. Typhoid deaths)	--	304
1879 -- June-May 1880, Whooping Cough (MD subset, 11,064 U.S. W.C. deaths)	--	298
1888 -- Sep 02, Fire, Firefighters killed , Hopkins Place, Baltimore, MD	--	7
1890 -- Diphtheria and Croup (MD subset, 41,677 diphtheria/croup deaths nationwide)	--	113
1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), Baltimore, MD	--	481
1890 -- Typhoid Fever , esp. Baltimore (MD subset, ~30,000 typhoid deaths nationwide)	--	476

²⁸⁰ MD had 4th highest loss of life to heat of all states, behind AZ with 186, TX with 65, and CA with 36.

²⁸¹ Was the leading reported cause of death in the State and in the U.S. in 1860.

Maryland Select Other Loss of Life Events (continued)

1898 -- Typhoid (MD subset of ~4,000 deaths), Baltimore and 1st & 5 th MD, US camps	--	224
1900 -- Tuberculosis (20,422 MD deaths all causes) (109,750 US tuberculosis deaths) ²⁸²	--	2,318
1900 -- Typhoid Fever (MD subset of 35,379 typhoid fever deaths nationwide)	--	510
1907 -- Typhoid Fever (MD subset of approximately 13,000 typhoid deaths nationwide)	--	520
1910 -- Polio, MD	--	35
1910 -- Typhoid Fever, Baltimore, MD	--	235
1915 -- Dec-Jan 1916, Influenza and Pneumonia subset of larger epidemic, Baltimore	--	276
1916 -- Diphtheria, especially children	--	166
1916 -- Polio, Statewide (MD subset of ~6,700->7,000 polio deaths nationwide)	--	111
1917 -- Polio, esp. June-Sep, especially children (State subset, ≥1,182 U.S. polio deaths)	--	16
1916 -- June 13, Dust Explosion, Grain Elevator, Central Elevator Co., Baltimore, MD	--	9
1918 -- Typhoid Fever (MD subset of 9,100 typhoid fever deaths nationwide)	--	237
1920 -- Diphtheria and Croup (MD subset, 13,395 such deaths in 34 registration states)	--	192
1920 -- Measles (MD subset of 7,712 measles deaths in 34 registration states)	--	94
1920 -- Scarlet Fever (MD subset of 4,004 such deaths in 34 registration states)	--	36
1920 -- Typhoid Fever (MD subset of 6,805 typhoid fever deaths in 34 registration states)	--	100
1920 -- Whooping Cough (MD subset, 10,968 whooping cough deaths in 34 reg. states)	--	145
1921 -- Polio (Acute) esp. late Summer-Fall (MD subset, 1,597 U.S. polio deaths)	--	37
1931 -- "Epidemic Cerebrospinal Meningitis," ²⁸³ (MD subset, 2,832 US meningitis deaths)	--	29
1931 -- Diphtheria, especially children (MD subset, 5,738 U.S. diphtheria deaths)	--	66
1931 -- Influenza (MD subset of 31,701 influenza deaths nationwide)	--	333
1931 -- Measles, especially children (MD subset, 3,576 measles deaths nationwide)	--	97
1931 -- Polio, esp. July-Oct, (MD subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	11
1935 -- Aug 20, Vehicles Collide, wet road, car slides into bus path, near Bowie, MD ²⁸⁴	--	5
1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec (MD subset of 1,997 U.S. diphtheria deaths)	--	23
1939 -- Influenza and Pneumonia (MD subset, 99,097 US influenza/pneumonia deaths)	--	1,391
1939 -- Tuberculosis (MD subset of 61,609 tuberculosis deaths nationwide)	--	1,094
1939 -- Whooping Cough (MD subset of 3,026 whooping cough deaths nationwide)	--	27
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	8
1940 -- Influenza and Pneumonia (MD subset, 92,525 U.S. flu and pneumonia deaths)	--	1,328
1940 -- Tuberculosis (MD subset of 55,576 tuberculosis deaths nationwide)	--	1,230
1940 -- Whooping Cough (MD subset of 2,926 whooping cough deaths nationwide)	--	70
1941 -- Measles, especially children (MD subset of 2,279 measles deaths nationwide)	--	13
1944 -- Cerebrospinal Meningitis (2,812 cerebrospinal meningitis deaths nationwide)	--	57
1944 -- Influenza (MD subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	152
1944 -- Measles, especially Jan-June (MD subset of 1,923 measles deaths nationwide)	--	26
1944 -- Tuberculosis (MD subset of 54,731 tuberculosis deaths nationwide)	--	1,326
1944 -- Whooping Cough (MD subset of 1,878 whooping cough deaths nationwide)	--	29
1948 -- Nov 04, Milt coal mine fire, Kitzmiller, MD	--	5
1953 -- Polio (MD subset of 1,450 polio deaths nationwide)	--	25
1968 -- Apr 4-11, Martin Luther King Jr. assassination rioting, Baltimore, MD	--	6

²⁸² Leading cause of death in Maryland in 1900.

²⁸³ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

²⁸⁴ All the deaths were in the car, though the bus did turn over.

Maryland Select Other Loss-of-Life Events (continued)

1983 -- Dec 9, Fire (careless smoking) Row House (five children) , west Baltimore, MD--	8
1987 -- Summer Heat , State substate of approximately 388 U.S. heat deaths	-- 8
1989 -- Dec 01, Plane Crash, US Army CASA 212 , Patuxent River NAS, MD	-- 5
1992 -- July 7, Arson Fire set by mother kills six of her children , Baltimore, MD	-- 6
1994 -- Jan 9, Fire (clothing on heating grate), row house (6 children), Baltimore, MD	-- 7
1994 -- Feb 26, Fire, from candle; rowhouse ; power turned off, west Baltimore, MD	-- 9
2001 -- Summer, Heat , Baltimore, MD	-- 6
2003 -- Sep 18-19, Hurricane Isabel, esp. Anne Arundel, Baltimore, Prince George's Counties--	9
2007 -- May 22, Fire (smoking materials), Row House , east Baltimore, MD	-- 8
2008 -- Feb 16, Car hits street race spectators , Indian Head Highway, Accokeek, MD ²⁸⁵ --	8
2009 -- June-Aug especially, Heat (MD subset of 257 heat deaths nationwide)	-- 6
2010 -- Dec 14, Fire, Two Story Brick Row House Home , east Baltimore, MD	-- 6
2015 -- Jan 19, House Fire; old Xmas tree (grandparents and four grandchildren), Annapolis--	6
2015 -- March 28-29, ²⁸⁶ Carbon Monoxide Poisoning , family home, Princess Anne, MD--	8

Breakout of **Maryland** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 22 -- **Disease**, select communicable, especially epidemics. (Plus 58 in "Other.")
- 18 -- **Heat**. (Plus 8 deaths in 1987, 6 deaths in 2001 and 6 in 2009 in "Other.")
- 9 -- **Aviation**. (Plus one additional at 5 fatalities in "Other.")
- 9 -- **Maritime and Inland Waterways**.
- 6 -- **Winter Weather/Storms**.
- 5 -- **Rail**.
- 4 -- **Explosions**. (Excludes 4 Maritime explosions and 1 in mining.) (Plus one at 9 dead.)
- 4 -- **Flooding**. (Plus one with six deaths in "Other;" one cross-listed with Hurricane remnant.
- 4 -- **Violence**. (Plus one with 6 deaths in "Other.")
- 3 -- **Fire**. Plus 8 -- 9 deaths in 1994; 8 in 1983, 2007; 7 in 1888 & 1994; 6 in 1992, 2010, 2015.
- 3 -- **Vehicular**. (Plus two -- one other at 8 fatalities and one with 5 in "Other.")
- 2 -- **Hurricane**. (Plus one with 9 fatalities in "Other.")
- 2 -- **Tornadoes**.
- 1 -- **Mining**. (Plus one event <10 deaths: 5 in 1948 coal mine fire.)
- 1 -- **Structural Failure**.
- 1 -- **Thunderstorm/Windstorm**
- 0 -- **Carbon Monoxide Poisoning**. (But 8 deaths in March 28-29, 2015 family home.)

²⁸⁵ Cross-listed in Automobile Racing.

²⁸⁶ 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.

MA

Massachusetts

1.	1616 -- Yellow Fever , Wampanoag, btw. Provincetown, MA and Narragansett Bay, RI ²⁸⁷	45,000
2.	1620-1621 -- Winter, Disease and Exposure , Plymouth Colony, MA	-- ~ 50
3.	1633-1634 -- Smallpox Epidemic, New England Natives, Plymouth Colonists, MA ²⁸⁸	--100's
4.	1635 -- Aug 14-15, Storm, Pinnacle Watch and Wait Wrecks on Thacher Isl., MA	-- 21
5.	1666 -- Smallpox , Boston MA	-- 40
6.	1675 -- ~June 23-25, King Philips War begins, Wampanoags attack Swansea, MA	-- 9-12
7.	1675 -- Sep 02, Settlers killed in Native attack on Northfield , MA	-- 8-10
8.	1675 -- Sep 18-19, ²⁸⁹ Bloody Brook Massacre , Natives attack wagon train, S. Deerfield	59-76
9.	1676 -- Feb 10, Massacre , Nipmuc Natives attack Lancaster, MA	--34-35
10.	1676 -- Feb 21, Massacre , Nipmuc and Narragansett Natives attack Medfield, MA	--17-18
11.	1676 -- Mar 12, Massacre , Natives Attack Clark House, Eel River, ~Plymouth, MA	--11-12
12.	1676 -- Apr 18, Massacre , Natives attack settlers at Sudbury, MA	-- 7-12
13.	1676 -- May 19, Eng. Colonists massacre Peskeomskut Natives, Turners Falls, MA	200-300
14.	1676 -- Jun 12, Mohawks massacre Native camp whose men were attacking Hadley	-- 50
15.	1677-1678 -- Smallpox Epidemic, Massachusetts Bay Colony	--1,000
16.	1677 -- Sep 19, Massacre , Pocumtuck Natives attack English colonists, Hatfield, MA	12-15
17.	1689-1690 -- Smallpox , New Eng. (esp. Boston ²⁹⁰)/NY, settlers/natives (≥820-1,500)	-->320
18.	1693 -- Jun 17 start, Yellow Fever , Boston, arrival of British fleet from Martinique ²⁹¹	--3,100
19.	1694 -- July 27, Massacre , Natives attack settlers, Groton, MA	--20-22
20.	1695 -- Aug 05, Massacre , Natives attack settlers, Billerica, MA	-- 10
21.	1697 -- Mar 15, Massacre ; Natives attack English settlers, Haverhill, MA	-- ~40
22.	1697 -- Sep 11, Massacre , Natives attack Lancaster, MA	21-26
23.	1702 -- Smallpox and Scarlet Fever Epidemics, Boston, MA	300-313
24.	1704 -- Feb 28, French and Indians attack Deerfield , MA	-- ~40
25.	1704 -- May 13, Massacre , Natives attack settlers, Pascommuck (Easthampton) MA	-- 19
26.	1708 -- Aug 29, Raid/ Massacre , French and Indians attack settlers, Haverhill, MA	--16-19
27.	1716 -- Five Gloucester MA Fishing Vessels Lost , Voyage to Cape Sable	-- ~ 20
28.	1721 -- Apr-Apr, 1722, Smallpox , Mass. Colony, esp. Boston & Charlestown	944-991
29.	1730 -- Smallpox Epidemic, Boston, MA	-- 780
30.	1735-1736 -- Scarlet Fever Epidemic, Boston, MA	--100-114
31.	1735-37--"Throat Distemper" (diphtheria), Essex Co.; Boston to lesser extent->1,476->1,514	
32.	1741 -- Yellow Fever Outbreak, Boston, MA	-- 15
33.	1752 -- Smallpox Epidemic, Boston, MA	-- 569
34.	1761 -- Spring, 1st American Influenza Epidemic, esp. Natives, esp. MA, PA ²⁹²	--Hundreds

²⁸⁷ Cross-listed in Rhode Island.

²⁸⁸ Whereas smallpox spread throughout New England, the numbers reported here are essentially for the Plymouth Colony vicinity, including 20 Plymouth colonists. About 950 Natives in one tribe were reported to have died from the disease according to Colony Governor William Bradford, apparently along or near the Connecticut River (runs through MA as well as CT), though that is not absolutely clear.

²⁸⁹ Both dates are used, apparently depending on whether old style or new style dating is applied.

²⁹⁰ There were 320 smallpox deaths reported in Boston alone. Lovejoy (1972, 351) writes that the government was moved out of Boston to Charleston because of the epidemic.

²⁹¹ Number is of sailor/soldier yellow fever deaths. We do not know number who were American, or how many Boston area residents died when the disease communicated to the town after arrival of fleet on June 17.

²⁹² Cross-listed in Pennsylvania.

Massachusetts (continued)

35.	1763 -- Aug-Feb 1774, Yellow Fever, Indians, Nantucket Isl., & Martha's Vineyard, MA ²⁹³	200-261
36.	1763 --1764, Smallpox Epidemic, Boston (170) and Cambridge (6), MA colony	-- 176
37.	1766 -- March, Storm, 7 Gloucester MA Fishing Boats Sank, Grand Bank	-- ~40
38.	1777 -- Privateer <i>The Gloucester</i> Lost , out of Gloucester, MA	-- ~60
39.	1778 -- Dec 25, Gale, Brig. <i>General Arnold</i>, sloop <i>Stark Ground</i> , Plymouth Bay, MA	--101
40.	1786 -- Dec 5, Gale, ²⁹⁴ sloop grounds , Lovell's Isl., Brig at Pt. Shirley, Boston Harbor, MA	-- 18
41.	1798 -- Yellow Fever Outbreak, Boston, MA	-- 200
42.	1798 -- Nov 17-21, New England Blizzard and Maritime Storm ²⁹⁵	-- >25
43.	1800 -- Yellow Fever Outbreak, Boston, MA	-- 60
44.	1802 -- Yellow Fever Outbreak, Boston, MA	-- 60
45.	1802 -- Feb 22/23, Winter Storm , ships ground , esp. <i>Brutus</i>, exposure , Cape Cod, MA	--14
46.	1804 -- Oct 9, Winter Storm ("Hurricane") , New England, especially coast of MA ²⁹⁶	-- ≥30
47.	1832 -- Jul-Nov, Cholera Outbreak, esp. Boston, also Andover, Mt. Wash., MA	-- 50
48.	1839 -- Dec 15, Winter Gale , Maritime losses , MA coast/harbors, esp. Gloucester	--64-90
49.	1839 -- Dec 22-23, Gale , Maritime losses (<i>Barque Lloyd</i>, <i>Brig Pocahontas</i>) , MA	--21-22
50.	1840 -- Jan 13, Steamship <i>Lexington</i> Fire/Sinks , Long Island Sound, NY ²⁹⁷	--118-156
51.	1842 -- May 6, Sailing boat <i>Polka</i> capsizes , off Thompson's Island, Mass Bay, MA	-- 25
52.	1843 -- Aug, Gloucester MA Fishing Schooner <i>The Byron</i> Lost , "South Channel"	-- 10
53.	1846 -- Jun 27, Brig <i>Sutley</i> wrecks , Pictou N.S. to Fall River Vineyard Sound, MA	-- 30
54.	1846 -- Sep 19, Gale , 11 Fishing Schooners Lost , out of Marblehead, MA	-- 65
55.	1846 -- Nov 25, Gale , Gloucester MA Schooners <i>General Scott</i>, <i>Canton</i> lost , Georges	-- 15
56.	1849 -- Cholera Epidemic, especially Boston, also Hamden County, and Quincy, MA	--1,064
57.	1849 -- Oct 6-7, Hurricane/Severe Storm , <i>St. John & Levi Woodbury</i> wreck , MA	-- 143
58.	1850 -- Apr, Gloucester MA Fishing Schooners <i>Walter Scott</i> and <i>Specie</i> lost at sea	-- 15
59.	1850 -- Oct 06, Storm , Emigrant (Irish) Ship <i>Saint John</i>, wrecks , Scituate, MA	-- 99
60.	1851 -- Oct 3-4, Storm , Fishing Schooners lost or damaged , Prince Edward Island CA	-- 84
61.	1852 -- Mar, Gloucester MA Schrs. <i>Golden Fleece & C.E. Parkhurst</i> lost , Georges Bank	--17
62.	1853 -- Feb 16/26, Brig <i>Vintage</i> sails from Salem, MA for West Coast of Africa, lost	-- 10
63.	1854 -- Cholera Epidemic, Boston, MA	-- 650
64.	1854 -- Feb, Fishing Schooner <i>Flight</i> Lost , Georges Bank Gloucester, MA	-- 12
65.	1855 -- Mar, Gloucester MA Schooners <i>Reporter & Abner L. Colby</i> lost , Georges Bank	--16
66.	1856 -- Nov 2, Schooner <i>Le Lyonnais</i> Collision , Nantucket Island, MA	--120-260
67.	1858 -- Oct, Fishing Schooner <i>Village Belle</i> Lost , Gloucester, MA	-- 16
68.	1858 -- Dec, Gloucester MA Schooner <i>John Franklin</i> lost after leaving Prince Ed. Il.	-- 14
69.	1859 -- Apr ~1, Storm, Gloucester Schrs. <i>Grace T. Powers & Charles E. Grover</i> lost	-- 17
70.	1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US deaths	-- 581
71.	1860 -- Measles (MA subset of 3,900 measles deaths nationwide)	-- 141

²⁹³ The Nantucket Island Native American population was decimated, only a small percentage survived.

²⁹⁴ Hypothermia ashore was cause of death for all victims.

²⁹⁵ 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. Seems likely that at least ten people would have died in Mass., but we have no confirming reports.

²⁹⁶ All but one death was maritime-related.

²⁹⁷ Cross-listed here in that at least 38 of the fatalities, according to Howland (1843), were from Massachusetts.

Massachusetts (continued)

72.	1860 --	Scarlet fever (MA subset of 26,402 deaths in 38 Census States & DC)	--	809
73.	1860 --	Smallpox (State subset of 1,263-1,271 smallpox deaths in reporting States)	--	473
74.	1860 --	Whooping Cough (MA subset of 8,408 whooping cough deaths nationwide)	--	352
75.	1860 --	Jan 10, Building Cave-in & Fire , Pemberton Cotton Mills, Lawrence, MA	88-200	
76.	1860 --	Feb, Gloucester MA Schrs. <i>George Washington, Advance, Wonson, Relief</i> lost--	35	
77.	1860 --	Sep 22, Gloucester, MA Sch. <i>Neptune's Bride</i> wrecks, Malcomb's Ledge, ME ²⁹⁸ -	12	
78.	1861 --	Feb, Gloucester MA Schrs. <i>Sweepstakes, Young, Stanwood, White Swallow</i> lost--	34	
79.	1861 --	Nov 2-3, Storm, Ship Maritana wrecks, Egg Rocks near Boston Light, MA	--24-27	
80.	1862 --	Jan 1, Storm, Gloucester Schooners Cynisca, Life Boat, Ocean Traveller lost--	29	
81.	1862 --	Feb 24, Blow of 1862, 15 Gloucester, MA Boats Lost , Georges Bank	--	122
82.	1864 --	Feb-Mar (esp. Mar 22), 8 Gloucester, MA Fishing Schooners lost at sea	--74-75	
83.	1867 --	Aug, Two Gloucester, MA Fishing Schooners Lost on Georges Bank	--	17
84.	1867 --	Sep, Gale, Gloucester MA Fishing Sch. Fashion lost, Bay of St. Lawrence	--	13
85.	1867 --	Oct 19, Naphtha Explos./Fire, Hoosac Tunnel shaft, Northern Berkshires, MA --	13	
86.	1868 --	June, Gloucester MA Fishing Schooner General Butler lost, Georges Bank	--	10
87.	1868 --	~Dec-Jan 1869, Storm, Gloucester, MA Fishing Sch. <i>Forest Belle</i> lost, GB	--	12
88.	1869 --	Mar 6-7, Gale, Gloucester Schrs. <i>Price, Porter, & Woodbury</i> lost, Georges Bk.--	31	
89.	1869 --	Sep 8, Hurricane , Gloucester, MA fishing schooner <i>Yankee Girl</i> lost, 4 on shore-	15	
90.	1870 --	Diphtheria (MA subset of 6,303 diphtheria deaths nationwide)	--	280
91.	1870 --	Measles (MA subset of 9,237 measles deaths nationwide)	--	294
92.	1870 --	Scarlet Fever , especially children (State subset of 20,339 deaths nationwide)	--	911
93.	1870 --	Smallpox (State subset of 4,597 smallpox deaths nationwide)	--	116
94.	1870 --	Typhoid Fever (State subset of 22,187 typhoid fever deaths nationwide)	--	1,142
95.	1870 --	Whooping Cough (State subset of 9,008 whooping cough deaths nationwide)--	361	
96.	1870 --	Jan, Gloucester, MA Fishing Schooner Viking lost, on way to Grand Banks	--	11
97.	1870 --	Jan 25, Gloucester, MA Fishing Schooner Weather Gage lost, Grand Banks	--	10
98.	1870 --	Mar, Gloucester MA Fishing Schooner William F. Pool lost on Georges Bank--	10	
99.	1870 --	Sep, Gloucester MA Fishing Schr. Dauntless lost on way to St. Lawrence Bay--	12	
100.	1870 --	Sep 18, Gale, Gloucester, MA Fishing Schooner Day Star lost at sea	--	12
101.	1870 --	Oct, Gloucester, MA Fishing Schooner Alatomaha lost, Georges Bank	--	10
102.	1871 --	Jan 9, Gloucester, MA Fishing Schooner Edith Wonson lost on Western Bank-	12	
103.	1871 --	Feb, Gloucester, MA Fishing Schooners Hiawatha & E.L. Cook lost at sea--	21	
104.	1871 --	Summer, East Gloucester, MA fishing schooner River Queen lost at sea	--	12
105.	1871 --	Apr 2, Gale, Gloucester, MA Schooners Lindberg, Pride, Murray, Hough lost--	42	
106.	1871 --	Aug 26, Trains Collide , Eastern RR of Mass., Revere Station ~Boston MA	--29-32	
107.	1871 --	Sep 2, Gloucester, MA fishing schooners Montrose and Emporia lost at sea--	17	
108.	1872 --	Cerebrospinal Meningitis , MA, especially Boston)	--	175
109.	1872 --	Mar, Gloucester, MA fishing schooners Matchless and Franklin Snow lost--	22	
110.	1872 --	July 1-7, Heatwave and Sunstroke , Boston, MA,	--	20
111.	1872 --	Jan, Gloucester, MA Fishing Schooner Messenger lost on Western Bank	--	12
112.	1872 --	Nov 9-10, Conflagration, "Great Boston Fire of 1872" , Boston, MA	--25-41	
113.	1872 --	Dec 21-27, Smallpox , Boston, MA	--	51
114.	1872 --	Dec, 26, Storm, bark Kadosh wrecked, ship <i>Peruvian</i> lost, MA coast	--	32

²⁹⁸ Cross-listed in Maine where the loss occurred.

Massachusetts (continued)

115.	1873 --	Cerebral Spinal Meningitis Epidemic, Boston & Lowell MA	--	253
116.	1873 --	Mar, Gloucester, MA Fishing Schooner J. H. Orne lost on Georges Bank	--	11
117.	1873 --	Aug 24, Unnamed hurricane , Fishing Fleet maritime losses, Gloucester, MA--	128	
118.	1874 --	Feb 11, Gale, Gloucester, MA Fishing Schr. B. H. Smith , lost Grand Banks--	12	
119.	1874 --	Mar, Gloucester, MA Fishing Schooner White Fawn lost Western Banks	--	12
120.	1874 --	May 16, Mill River Reservoir Dam Failure, Flooding , Williamsburg MA-139-200		
121.	1874 --	Sep 19, Fire, Granite Mill No. 1 , Fall River, MA	--23-25	
122.	1874 --	Nov, Gloucester, MA Fishing Schooner G. G. Kidder Lost, Grand Banks	--12-13	
123.	1875 --	Jan, Gloucester, MA Fishing Schooner David Burnham lost, Grand Banks--	12	
124.	1875 --	Jan, Gloucester, MA Fishing Schooner Joseph Chandler lost, Grand Banks--	12	
125.	1875 --	Feb, Gloucester, MA Fishing Schooner J. C. Call lost, Grand Banks	--	12
126.	1875 --	Feb, Gloucester, MA Fishing Schooner Sarah H. Cressey lost, Grand Banks--	12	
127.	1875 --	Mar, Gloucester, MA Fishing Schooner H.B. Stanwood lost, Georges Bank--	12	
128.	1875 --	Mar. Gloucester, MA Fishing Schooner William C. Endicott lost, Georges Bk.-	10	
129.	1875 --	May 27, Fire, Holyoke Catholic Church , Holyoke, MA	--	75
130.	1875 --	Nov, Gloucester, MA Fishing Schooner Pharsalia lost, Georges Banks	--	12
131.	1876 --	~Apr 4, Gloucester, MA Fishing Schooner Kearsarge lost, Georges Bank	--	11
132.	1876 --	Apr 8, Gloucester, MA Fishing Schooner Henrietta Greenleaf capsizes, ~GB--	10	
133.	1876 --	Apr-May, Gloucester, MA Fishing Schooner James L. Shute lost on GB	--	14
134.	1876 --	Apr-May, Gloucester, MA Fishing Schooner Janet Middleton Lost on GB	--	11
135.	1876 --	~May, Gloucester, MA Fishing Sch. Saratoga hit/sunk, Georges Bank	--	9-12
136.	1876 --	Sep, Gloucester, MA Fishing Schooner Walter M. Falt lost, Grand Banks	--	12
137.	1876 --	Oct, Gloucester, MA Fishing Sch. Joseph F. Allen lost on Western Bank	--	10
138.	1876 --	Dec, Gloucester, MA Fishing Schooner D. E. Woodbury lost, trip to GB	--	10
139.	1876 --	Dec, Gloucester, MA Fishing Schooner Howard Steele lost, La Have Bank--	11	
140.	1876 --	Dec, Gloucester, MA Fishing Schooner J.F. Huntress lost, La Have Bank	--	10
141.	1876 --	Dec, Gloucester, MA Fishing Schooner John S. Tyler lost, La Have Bank	--	10
142.	1876 --	Dec, Gloucester, MA Fishing Sch. Modena B. Jerauld lost, La Have Bank	--	11
143.	1876 --	Dec, Gloucester, MA Fishing Schooner William T. Merchant lost, Grand Bk.--	12	
144.	1876 --	Dec, Gloucester, MA Fishing Schooner Wyoming lost, La Have Bank	--	9-10
145.	1877 --	Jan, Gloucester, MA Fishing Schooner Mary Burnham lost, La Have Bank--	11	
146.	1878 --	Jan 2-3, Cape Cod Storm, Schrs. A.P. Avery, Powwow, F. Fish wrecked	--	~12
147.	1878 --	Jan 10, Storm, Boston Fishing Sch. Little Kate grounds near Duxbury, MA--	13	
148.	1878 --	Jan-Feb, Gloucester, MA Fishing Schooner Carrie P. Morton lost, Grand Bk.--	14	
149.	1878 --	Oct 08, Train Derailment , Old Colony Road, Wollaston, near Boston, MA	--	19
150.	1878 --	Oct 12, Whaling Bark Sarah Capsizes in Gale, out of Bedford, MA	--	22
151.	1878 --	Oct 20, Last sighting of Fishing Schooner Cunard out of Gloucester, MA ²⁹⁹ --	14	
152.	1879 --	Feb 20-21, Storm, ~13 Gloucester, MA Schooners Lost , George's Bank--	143-157	
153.	1879 --	Apr, Gloucester, MA Fishing Schooner Ida (or Ada) E. Baker , Western Bk.--	12	
154.	1879 --	Apr, Gloucester, MA Fishing Schooner William Thompson lost, Banks	--	14
155.	1879 --	Oct, Gloucester, MA Fishing Schooner Andrew Leighton lost, LaHave Bank--	14	
156.	1879 --	Oct 29, Gloucester, MA Fish Sch. N.H. Phillips lost, Banquereau Bank NS	--13-14	
157.	1879 --	Oct-Dec, Gloucester MA fishing sch. Harvey C. Mackay lost, Grand Banks--	10	

²⁹⁹ On Fishing trip to the Grand Banks.

Massachusetts (continued)

158.	1880 --	Diphtheria , esp. Sep-Dec, esp. children ³⁰⁰	--1,769
159.	1880 --	Mar 23, Gloucester, MA Sch. Annie C. Norwood lost, Caches' Shoal, MA	-- 14
160.	1880 --	Nov, Gloucester, MA Fishing Schooner Nathaniel Webster , the Banks	-- 14
161.	1881 --	Apr 15, Gloucester, MA Fishing Schooner Carrie S. Dagle lost, Western Bk.	-- 12
162.	1881 --	Aug-Sep, Gloucester, MA Fishing Sch. Guy Cunningham lost, Grand Banks	--13-14
163.	1882 --	Feb 5?, Gale, Gloucester Schs. Bellerophon, Carroll, Pew, Revere, Somes , GB	-- 67
164.	1882 --	Mar 17?, Gale, Gloucester MA Schooners Northerner and Victor lost, GB	-- 24
165.	1883 --	Aug 29, Gale, Gloucester MA Schooners Alaska & James Bliss lost, GB	--23-24
166.	1883 --	Sep, Gloucester MA Schooner Charles Hildreth lost, trip to Georges Bank	-- 10
167.	1883 --	Nov 12-14, Gales, 9 Gloucester, MA fishing schooners lost, Georges Bank	-- 114
168.	1883 --	Dec 28, Gale, Gloucester Schs. Stetson, Knutsford, Irving, Maddocks lost	--52-55
169.	1884 --	Jan 18, City of Columbus hits Devil's Bridge reef, ~Martha's Vineyard, MA	-97-103
170.	1884 --	Feb 28, Gale, Gloucester MA Fishing Schooners Magic and Phoenix lost	-- 26
171.	1885 --	Feb 9~, Gale, Gloucester, MA Fishing Schooner Solomon Poole lost, GB	-- 14
172.	1885 --	May 5, New Bedford, MA Whaling Bark Napoleon Sunk by Ice, Bering Sea	-- 22
173.	1885 --	Dec 25-Jan 1886, Gloucester, MA Fishing Sch. Hyperion lost, GB trip gale?	-- 12
174.	1885 --	Dec 25-Jan 1886, Gloucester, MA Fishing Schooner Mabel Dilloway lost	-- 16
175.	1885 --	Dec-Jan 1886, Gloucester, MA Fishing Schooner Virginia Dare lost, GB	-- 14
176.	1886 --	Jan 8-10, Gale, Schs. L. Babcock, Juliet, Witherspoon, J. Brown founder/strand	-20
177.	1886 --	Apr 07, Train Derails between Bardswell Ferry/W. Durfield Station, MA	-- 13
178.	1886 --	Jun-Jul, Gloucester, MA Fishing Schooner Seth Stockbridge lost, Greenland	-- 14
179.	1886 --	Aug-Sep, Gloucester, MA Fishing Schooner George L. Smith lost GB trip	-- 14
180.	1886 --	Aug-Sep, Gloucester, MA Fishing Sch. John F. Wonson lost, Brown's Bk.	-- 10
181.	1887 --	Feb 05, Train Derails into White River, Fire, Hartford, VE ³⁰¹	-- >40
182.	1887 --	Mar 14, Bussey Bridge Collapses Under Train , Roslindale, MA	--23-37
183.	1887 --	Apr, Gloucester, MA Fishing Schooner Jamestown lost, Western Bank	-- 12
184.	1887 --	Apr-Aug, MA fishing Schooner Lydia Y. (or T.) Crowell , lost, N.S. fishing	--15-16
185.	1887 --	Aug 20, Gale, Provincetown MA whaling Sch. Ellen Rizpah lost ~Hatteras	--13-14
186.	1887 --	Sep 3~, Gloucester, MA Fishing Sch. Thomas L. Tarr lost, Gale, Banks trip	-- 14
187.	1887 --	Sep 3, Gale, Provincetown, MA fishing sch. Rebecca R. Nickerson lost, GB	-- 19
188.	1887 --	Nov-Dec, Gloucester, MA fishing schooner Peter D. Smith lost Georges trip	-- 12
189.	1887 --	Nov-Dec, Gloucester, MA Fishing Schooner William Parsons 2nd , lost, GB	-- 12
190.	1888 --	Jan, Gloucester MA fishing schooners William Parsons & Peter D. Smith lost	--24
191.	1888 --	Jan 10, Train Derailment , Merrimac River Bridge, Haverhill, MA	-- 9-14
192.	1888 --	Mar 11-14, Blizzard , MA	-- 55
193.	1888 --	Nov 26, Stm., Schooner Edward Norton wrecks, First Cliff Pt., Scituate, MA	-- 15
194.	1888 --	Nov 27, storm, Philly steam collier Allentown grounds off Cohasset, MA ³⁰²	-18-21
195.	1888 --	Nov-Dec, Gloucester, MA Fishing Schooner Carleton lost, Georges trip	-- 12
196.	1888 --	Nov-Dec, Gloucester, MA Fishing Schooner Joseph O. lost, Georges trip	-- 12

³⁰⁰ Referred to as a "very fatal epidemic of diphtheria" by the MA Secretary of State in report to Legislature. Same report later combines 625 croup deaths with the diphtheria deaths for a total of 2,394, making these conflated maladies the leading cause of death in the State in 1880.

³⁰¹ Cross-listed in MA in that many of the fatalities were from Boston.

³⁰² Cross-listed in PA in that the ship was owned and operated out of Philadelphia, and most of the crew were PA.

Massachusetts (continued)

197.	1889 -- Mar 26~, Gloucester Fishing Sch. <i>Shiloh</i> reported run down off Cape Cod--	14
198.	1890 -- Jan 9~, Gloucester, MA Fishing Schooner <i>Alice M. Strople</i> lost GB Gale? --	14
199.	1890 -- Feb 02, Fire, Shop and Tenement , North Street, Boston, MA	--12-14
200.	1890 -- Mar-Apr, Gloucester, MA Fishing Sch. <i>William W. Rice</i> lost , Iceland trip --	16
201.	1890 -- Aug 6, Boston Sch. <i>Magellan</i>, sunk by the <i>St. Mary</i> near Falkland Islands --	20-22
202.	1890 -- Aug 19, Train Derails , Cape Cod Express, Old Colony RR, near Quincy, MA--	23
203.	1891 -- Jan-Feb?, Gloucester, MA Fishing Schooner, <i>Veteran</i> lost , Georges trip --	12
204.	1891 -- Sep, Gale, Beverly, MA Fishing Sch. <i>Albert Woodbury</i> lost ~Nova Scotia --	11-12
205.	1891 -- Sep-Oct, Gloucester, MA Fishing Schooner <i>Percy</i> lost , Georges Bank trip --	12
206.	1891 -- Oct, MA Fishing Schooner, <i>Hattie N. Reed</i> lost at sea	-- 15
207.	1893 -- Aug, Gloucester, MA Fishing Schooner <i>Pioneer</i> lost , Georges Bank trip --	12
208.	1893 -- Aug 31, Bridge Fails, Train Wreck , near Chester, MA	-- 13
209.	1894 -- Jan 12-13~, Gloucester Fishing Schs. <i>Edwards, Flash, Henrietta</i> lost , Gale--	26
210.	1894 -- Mar 12-Jun~, Gloucester fishing Sch. <i>Ambrose H. Knight</i> lost , Iceland trip --	16
211.	1894 -- Apr, Gloucester, MA fishing schooner <i>Martha and Susan</i> lost , Georges trip--	13
212.	1895 -- Feb 09, Gloucester Schooner <i>Clara F. Friend</i> strands , Eastern Head, N.S. --	12
213.	1895 -- Nov 23-Dec, Gloucester Fishing Schooner <i>Falcon</i> lost , Georges Bank trip --	11
214.	1897 -- Nov 25, Provincetown, MA sch. <i>Susan R. Stone</i> sails for West. Bank, lost --	19
215.	1898 -- Jan 31-Feb 1, Storm, Maritime Fatalities , MA Coast, esp. Gloucester area --	17-35
216.	1898 -- Nov 26-27, Portland Gale, SS <i>Portland</i> sinks (Cape Ann MA), New Eng.--	450-500
217.	1899 -- Feb 14~, Gloucester MA Schooner <i>A.M. Burnham</i> lost on Brown's Bank --	12
218.	1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	-- 89
219.	1900 -- Sep 14, Gloucester, MA fishing schooner <i>Sigfrid</i> sails for Quero Bank, lost --	13
220.	1901 -- Jan 22, Gloucester, MA schooner <i>Commonwealth</i> sails for Georges Bank, lost --	14
221.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 195
222.	1901 -- Sep 16, Gloucester, MA Schooner <i>Lolanthe</i> departs for codfishing trip, lost --	14
223.	1902 -- Jan 25, Gloucester, MA fishing Schooner <i>Alva</i> sails for Georges Bank, lost --	17
224.	1902 -- Jan 29, Fire, Italian Tenement , Fleet Street, North End, Boston, MA	--10-11
225.	1902 -- Mar 17, Monomoy Station Lifeboat Capsizes off Chatham, MA	-- 12
226.	1902 -- June-Aug (especially July) Heat (subset of 290 heat deaths)	-- 12
227.	1902 -- July 17, sudden squall, excursion party boat capsizes , ~Appledore Is. ME ³⁰³ --	14
228.	1902 -- Dec 17, Schooners <i>Louise B. Crary/Frank A. Palmer</i> collide , Gloucester, MA--	11
229.	1902 -- Dec 17, Last sighting, Gloucester fishing Sch. <i>Annie Wesley</i> , off Sable Island--	14
230.	1903 -- May 5, Fog, Gloucester, MA fishing sch. <i>Gloriana</i> grounds , White Point, N.S.-	15
231.	1903 -- June-Aug (especially first half July), Heat (subset of 520 US heat deaths)	-- 23
232.	1903 -- Jul 29, Powder/dynamite explos./Fire , U.S. Cartridge Co., Tewksbury, MA--	20-22
233.	1903 -- Sep 16, Gloucester sch. <i>George F. Edmunds</i>, grounds , storm, Pemaquid Pt. ME--	15
234.	1904 -- June -Aug, Heat , subset of 235 US heat deaths	-- 25
235.	1905 -- Mar 20, Boiler Explosion , Grover & Co. Shoe Factory, Brockton, MA	-- 58
236.	1905 -- Nov 26, Trains Collide , Bakers Bridge, MA	--17-20
237.	1906 -- July 23, Collapse, Amsden Building , South Framingham, MA	-- ~12
238.	1907 -- July 15, USS <i>Georgia</i> Gun Turret Powder Explosion off Cape Cod, MA --	10
239.	1907 -- Oct 22, Gloucester, MA fishing sch. <i>Clara G. Silva</i> loses five dories , storm--	10

³⁰³ Listed in MA as well as ME in that while the boat capsized in ME waters, 10 of the 14 drowned, were of MA.

Massachusetts (continued)

240.	1908 -- Jan/Feb, Gloucester fishing schooner Northern Eagle lost, Gulf of Mex. ³⁰⁴	-- 9-10
241.	1908 -- Apr 12, Fire, The Great Chelsea Fire/Conflagration of 1908, Chelsea, MA	--15-19
242.	1908 --May 26, Boston sch. Fame/UK Steamer Boston collide, fog, Cashes Bank, ME	--18
243.	1909 -- Aug 18, Gloucester, MA Schooner Orinoco capsizes, Sambro, Nova Scotia	-- 11
244.	1909 -- Dec 26, Schooner Davis Palmer founders off Boston Harbor, MA	-- 14
245.	1910 -- Jan 22, Schooner Henry B. Fiske of Boston, capsizes off Nantucket MA	-- 8-10
246.	1911 -- Jan 10, Barges Trevorton, Corbin, Pine Forest , wreck, Cape Cod, MA	-- 17
247.	1911 -- Jan 21~, Gloucester Sch. Ella M. Goodwin departs Bay of Islands, NFL, lost	-- 10
248.	1911 -- Jul 3-10, Heat Wave , especially Boston, MA	--39-51
249.	1912 -- Mar 15, Gloucester Schooner Patrician founders, Jordan Bay, Nova Scotia	-- 10
250.	1913 -- Jun 09, Whaler Steamer A. T. Gifford leaves New Bedford, MA, lost	-- 15
251.	1913 -- Jun 30, Walkway/Gangway failure, drownings, Merrimac River, Lawrence	-- 11
252.	1913 -- Dec 02, Fire, Arcadia Boarding House ("Hotel"/Flop House), Boston, MA	-- 28
253.	1915 -- Oct 28, Fire, Trampling, St. John's Parochial School, Peabody, MA	-- 21
254.	1915 -- Dec 26-Jan 1, 1916, Influenza & Pneumonia subset of larger epidemic, Boston	-- 71
255.	1916 -- esp. July-Nov, Polio Epidemic, at least 66 locations, especially Boston, MA	-- 452
256.	1916 -- Nov 7, Train goes through open drawbridge, ~ South Station, Boston, MA	-- 50
257.	1917 -- Sep 5, Whaling Brig Viola sails, not seen again, out of New Bedford, MA	-- 19
258.	1918 -- July 3, Whaler Schooner Pedro Varela departs New Bedford, MA, lost	-- 16
259.	1918 -- Sep-Apr 1919, Influenza and Pneumonia Epidemic, MA	22,360-49,513
	1918 -- Sep 1-Jan 16, 1919, Influenza and Pneumonia Epidemic, MA	--45,000
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, MA	-- 4,513
260.	1919 -- Jan 15, Molasses Tank Collapse, US Industrial Alcohol Co., Boston, MA	-- 21
261.	1919 -- Jan 15, Schooner Ellen A. Swift Leaves New Bedford, MA, Whaling, lost	-- 14
262.	1919 -- July 25, Springfield Boys' Club Boat Capsizes, Big Pond, East Otis, MA	-- 11
263.	1919 -- Dec 25-30, Wood Alc. Poisoning, Chicopee, Hadley, Holyoke, Springfield	-- 61
264.	1920 -- Diphtheria & Croup (MA subset, 13,395 such deaths, 34 registration states) ³⁰⁵	-- 586
265.	1920 -- Jan-Dec, Influenza and Pneumonia, MA	--7,735
266.	1920 -- Scarlet Fever (MA subset of 4,004 such deaths in 34 registration states) ³⁰⁶	-- 218
267.	1920 -- Whooping Cough (MA subset, 10,968 whoop. cough deaths, 34 reg. states) ³⁰⁷	--536
268.	1923 -- Apr 6, Steamer John Dwight sinks, suspected rum runner, Vineyard Sound, MA	³⁰⁸ --8-10
269.	1924 -- Mar 11/12, Maine Schooner Wyoming sinks, blizzard off Chatham, MA	³⁰⁹ --13-18
270.	1924 -- Aug 26~, Three MA fishing schooners lost, probably in gale, Georges Bank	-- 17
271.	1925 -- June 28, Gloucester, MA fishing Sch. Rex sunk by Liner off 200M E of N.S.	-- 15
272.	1925 -- July 4, 2 nd floor collapse into basement, Pickwick dance Club, Boston, MA	--44-45
273.	1927 -- Jan 11, Storm, Collier John Tracy sinks off Highland Light, Truro, MA	--26-27
274.	1927 -- Apr 08, Gloucester, MA fishing schooner Commonwealth burns, N.S. coast	-- 12

³⁰⁴ Though lost in the Gulf of Mexico, the Northern Eagle was a Gloucester schooner, manned by a Gloucester crew, chartered to transport fishing gear to Tampico, Mexico. Probably downed by a storm.

³⁰⁵ Fall River, MA, had 3rd highest death rate reported by a registered city – 32.4 per 100,000; nat. average was 15.3.

³⁰⁶ In terms of largest loss of life in a State, MA was 6th behind PA at 497, NY at 474, OH at 383, IL at 370, MI at 303 deaths. In addition, Springfield MA had the 3rd highest death rate of cities of $\geq 100,000$, at 16.7. (4.6 was avg.)

³⁰⁷ In terms of largest loss of life in a State, MA was 5th behind PA at 1,195, NY/1,063, OH at 845 and IL at 553.

³⁰⁸ One theory is that the ship was intentionally scuttled.

³⁰⁹ Listed, as well, within Maine section in that the boat was out of Portland, ME; crewed, though by Boston men.

Massachusetts (continued)

275.	1927 -- Aug 24~, Gloucester, MA Sch. <i>Columbia</i> lost, Gale, off Sable Island, NS	--	23
276.	1927 -- Oct 29, <i>President Wilson</i> hits Gloucester fisher <i>Avalon</i> , fog, ~Cape Cod MA	--	20
277.	1927 -- Nov 04, Flooding , Heavy Rain, MA	--	14
278.	1927 -- Dec 17, <i>USS S-4</i> struck by CG cutter <i>Paulding</i> , off Provincetown, MA	--	40
279.	1928 -- Feb 10, Vaporizer explos./fire , Beacon Oil Co. Refining Plant, Everett, MA	--	14
280.	1928 -- Nov 08, Explosion, Fire , Preble Box Toe Co. Plant and house, Lynn, MA ³¹⁰	--	20-21
281.	1930 -- June 10, Fog/collision/fire , <i>Fairfax</i> /Oil Tanker <i>Pinthis</i> , off Scituate, MA	--	45-47
282.	1931 -- Summer, Heat Wave and excessive heat deaths (MA subset, 2,768 U.S. deaths)	--	16
283.	1932 -- Feb 05, Boston Sch. <i>Eleanor Nickerson</i> hit/sinks off SE of Cape Sable, N.S.	--	21
284.	1938 -- Jul 31-Aug 5, Heat Wave , Boston, Chelsea, Lynn, Natick, Roxbury, etc. MA	--	10
285.	1938 -- Sep 21, New England Hurricane "Long Island Express," subset for MA	--	117
286.	1941 -- Jan 21, <i>Mary E. O'Hara</i> & barge collide, entrance to Boston Harbor, MA	--	18-20
287.	1941 -- Mar 10, Fire & Roof Collapse , <i>Strand Theater</i> , Brockton, MA	--	13
288.	1941 -- Mar 24, <i>Steamer Cities Service Denver</i> Explosion/Fire, off NC/SC coast ³¹¹	--	19-20
289.	1941 -- Dec 10, <i>Oregon</i> Collision with USN Boat, Sinks off Nantucket, MA	--	17
290.	1942 -- Jan 20, Fire , <i>Melvin Hall Apartments</i> , Lynn, MA	--	13
291.	1942 -- July 18, Plane Crash , U.S. Army Air Force B-17, North Reading, MA	--	10
292.	1942 -- Aug 15, Plane Crash , US Army AF C-53 near Garnet Peak, Peru, MA	--	16
293.	1942 -- Nov 28, Fire/trampling/suffocation , <i>Cocoanut Grove Nightclub</i> , Boston, MA	--	498
294.	1944 -- April 7, Plane lost , USAAF B-24H, Atlantic Ocean, off coast of MA	--	11
295.	1944 -- May 11, Explos. Ammo dump at sea , <i>Hingham Depot boat</i> , ~Boston Harbor, MA	--	17
296.	1944 -- May 27, Plane Crash , USAAF B-24J, Westover Field, Chicopee, MA	--	10
297.	1944 -- Sep 15/16, Hurricane , onshore 26; USCG Lightship LS-73 Sinks (12)	--	38
298.	1946 -- July 9, USAAF B-17 Crash , Mount Tom, near Westover AFB, Chicopee, MA	--	25
299.	1947 -- Jan 09, Boston Fishing Trawler Belle Goes Missing off Northeast Coast	--	17
300.	1950 -- Sep 12-14, Hurricane Dog , Cape Cod and New England MA	--	12
301.	1951 -- Jan 15, Boston fishing trawler Gudrun lost off Newfoundland	--	17
302.	1952 -- Apr 09, Planes Collide , USAF F-94 /C-47 Transport , Camp Edwards, MA	--	12
303.	1953 -- June 9, Tornado , F4, Worcester, MA	--	94
304.	1953 -- Oct 16, Carrier USS Leyte explos./fire , S. Boston Naval Yard, Boston, MA	--	37-39
305.	1954 -- Aug 31, Hurricane Carol , New Bedford Fishing boat <i>Redstart</i> Lost, MA	--	11
306.	1955 -- Polio Epidemic , Boston, MA	--	~200
307.	1955 -- Jan 13~, New Bedford, MA Fisher <i>Doris Gertrude</i> Lost, New Eng. coast	--	11
308.	1956 -- July 25, <i>Andrea Doria</i> and <i>Stockholm</i> collide, Fog off Nantucket Isl., MA ³¹²	--	51
309.	1957 -- Sep 15, Plane Crash , Northeast Air Flight 285, New Bedford, MA	--	12
310.	1958 -- Jun 27, Plane crash , USAF SAC Tanker, near Chicopee Falls/Springfield, MA	--	15
311.	1958 -- Aug 15, Plane Crash , Northeast Airlines Flight 258, Nantucket, MA	--	24-25
312.	1960 -- March 2-5, Snowstorm , MA	--	22
313.	1960 -- Oct 04, Plane Crash (Birds) , Eastern Air Electra, Logan, Boston, MA	--	62
314.	1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave , MA ³¹³	--	37

³¹⁰ Besides deaths in the factory due to explosion, fire, partial roof collapse, seven died in adjoining house-fire.

³¹¹ Listed herein in that at least ten of the crew fatalities were Massachusetts men.

³¹² 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*.

315.	1962 -- Nov 15~, New Bedford, MA scalloper <i>Midnight Sun</i> lost, Georges Bank	--	11
316.	1966 -- Jan 28, Fire, Paramount Hotel , Boston, MA	--	11
317.	1966 -- Nov 11, Plane Crash, USAF Constellation Atlantic East of Cape Cod, MA--	19	
318.	1966 -- Dec 28, Train hits stalled Oil Tanker Truck at RR crossing, Fire, Everett, MA-13		
319.	1967 -- Apr 25, Plane fire/crash, USAF Super Constellation , off Nantucket Island, MA--	15	
320.	1968 -- Dec 1-Feb 1, 1969, A2 Hong King Influenza-Pneumonia Epidemic , MA ³¹⁴ --	658	
321.	1973 -- July 11, Fire, Apartment Bldg./Rooming House , Main St., Worcester, MA--	10	
322.	1973 -- July 31, Plane Crash, Delta Air 723 into Seawall in Fog, Logan, Boston, MA--	89	
323.	1978 -- Feb 5-8, Nor'easter & Blizzard , MA	--54-73	
324.	1984 -- July 4, Arson Fire, Elliott Chambers Rooming Home Fire , Beverly, MA	--	15
325.	1988 -- Summer Heat , especially Boston/Suffolk County area, and Middlesex County--	40	
326.	1988 -- Dec 21, MA residents on Pan Am 103 blown-up over Lockerbie, Scotland ³¹⁵ --	13	
327.	1999 -- Oct 31, Plane Crash, Egypt Air 990 Mass Murder , off Nantucket Island, MA-	217	
328.	2004 -- Summer esp., Heat , esp. Boston (based on avg. 56-96 Boston heat deaths)	--	>10
329.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--30-33	

Massachusetts Select Other Loss of Life Events:

1647 -- Influenza, MA	---	40-50
1836 -- Scarlet Fever, especially children, Boston, MA	--	16
1837 -- Scarlet Fever, especially children, Boston, MA	--	39
1860 -- Tuberculosis ("consumption") (MA subset of 49,082 TB deaths nationwide) ³¹⁶	--	4,845
1870 -- Tuberculosis (Consumption) (Mass. subset of ~70,000 TB deaths nationwide)	--	5,157
1870 -- Typhus (State subset of 1,770 typhus deaths nationwide)	--	33
1879 -- June-May 1880, Croup, esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	625
1879 -- June-May 1880, "Malarial Fever," (MA subset, 20,231 such deaths nationwide)	--	57
1879 -- June-May 1880, Measles, esp. children (MA subset, 8,254 U.S. measles deaths)	--	236
1879 -- June-May 1880, Meningitis (MA subset of 7,481 meningitis deaths nationwide)	--	224
1879 -- June-May 1880, Scarlet Fever, esp. children (MA subset, 16,388 U.S. S.F. deaths)--	459	
1879 -- June-May 1880, Tuberculosis (MA subset of 91,270 TB deaths nationwide)	--	3,102
1879 -- June-May 1880, Typhoid Fever (MA subset, 23,339 U.S. typhoid fever deaths)	--	882
1880 -- Whooping Cough (MA subset, 11,064 U.S. whooping cough deaths 1880 Census)	--	230
1880 -- Jan 1-Oct 16, Smallpox, MA	--	38
1881 -- Mar-Dec, Smallpox, especially Holyoke (15) from Nov 13-Dec 31, MA	--	30-31
1886 -- Apr 20, Rain, Mud Pond Reservoir Dam/Mt. Lake Fails/Flood, East Lee, MA	--	7
1890 -- Diphtheria and Croup (MA subset of 41,677 diphtheria/croup deaths nationwide)	--	1,774
1890 -- Typhoid Fever, esp. Boston (MA subset of ~30,000 typhoid deaths nationwide)	--	826
1890 -- Jan-Feb, Influenza (La Grippe/Russian Flu), esp. Fall River, Worcester, Boston	--	242
1895 -- Week ending Jun 28, Diphtheria, Boston, Lowell, Pittsfield, MA	--	15
1897 -- Typhoid Fever (MA subset of approximately 6,000 typhoid deaths nationwide)	--	1,185
1898 -- Typhoid Fever (MA subset of 3071 deaths), MA Vol. Inf. Regiments, US camps ³¹⁷ --	34	

³¹³ MA subset of 108-268 fatalities overall.

³¹⁴ Just CDC reporting cities of Boston, Cambridge, Fall River, Lowell, Lynn, New Bedford, Somerville, Worcester.

³¹⁵ At least 189 of the 270 killed (includes 11 on the ground in Lockerbie) were United States citizens.

³¹⁶ Was the leading reported cause of death in the State and in the U.S. in 1860.

³¹⁷ Fifth (3), Sixth (18), Eighth (19) and Ninth (34) MA Vol. Infantry Regiments at various U.S. military camps.

Massachusetts Select Other Loss of Life Events (continued)

1900 -- Tuberculosis (49,756 MA deaths all causes) (109,750 US tuberculosis deaths)	--5,224
1900 -- Typhoid Fever (MA subset of 35,379 typhoid fever deaths nationwide)	-- 625
1907 -- Tuberculosis (MA subset of 76,650 tuberculosis deaths nationwide)	--4,857
1909 -- Polio (Acute), especially children (MA subset of 266 polio deaths nationwide)	-- 74
1909 -- Apr 11, Urban Conflagration, Lenox, MA	-- 6
1910 -- Polio, especially children, MA	-- 122
1911 -- July 28, New England Coastal Storm, Craft Lost (esp. <i>Nokomis</i>), esp. MA ³¹⁸	-- 9
1911 -- Oct 29-Dec 30, Tuberculosis, State of MA	-- 570
1912 -- Jan-May 12, Tuberculosis, State of MA	--1,000
1914 -- Polio, the year, especially Summer-Fall, especially children, MA	-- 45
1915 -- Aug-Nov, Polio, especially children	-- 32
1916 -- Diphtheria, especially children	-- 177
1917 -- Polio, esp. June-Sep, especially children (State subset, ≥1,182 U.S. polio deaths)	-- 49
1918 -- Typhoid Fever (MA subset of 9,100 typhoid fever deaths nationwide)	-- 158
1919 -- Sep 9-11, Boston Police Strike, Martial Law, U.S. Cavalry Charge, MA	-- 8-9
1920 -- Measles (MA subset of 7,712 measles deaths in 34 registration states)	-- 355
1920 -- Tuberculosis, especially Boston, Cambridge, Fall River, Lawrence, MA	--3,757
1920 -- Typhoid Fever (DC subset of 6,805 typhoid fever deaths in 34 registration states)	-- 95
1921 -- Polio (Acute) esp. late Summer-Fall (MA subset, 1,597 U.S. polio deaths)	-- 48
1927 -- Polio (acute) esp. late Summer and Fall (MA subset, 2,013 U.S. polio deaths) ³¹⁹	-- 170
1927 -- July 13-17, Heatwave, especially Boston (MA subset of 127-161 heat deaths)	-- 4-7
1931 -- "Epidemic Cerebrospinal Meningitis," ³²⁰ (MA subset, 2,832 US meningitis deaths)	-- 44
1931 -- Diphtheria, especially children (MA subset, 5,738 U.S. diphtheria deaths)	-- 131
1931 -- Influenza (MA subset of 31,701 influenza deaths nationwide)	-- 420
1931 -- Measles, especially children (MA subset, 3,576 measles deaths nationwide)	-- 65
1931 -- Polio, esp. July-Oct, (MA subset of 2,139-2,144 U.S. polio deaths, esp. children)	-- 115
1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec (MA subset of 1,997 U.S. diphtheria deaths)	-- 15
1939 -- Influenza and Pneumonia (MA subset, 99,097 U.S. influenza/pneumonia deaths)	--3,225
1939 -- Tuberculosis (MA subset of 61,609 tuberculosis deaths nationwide)	--1,524
1939 -- Whooping Cough (MA subset of 3,026 whooping cough deaths nationwide)	-- 44
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 6
1940 -- Influenza and Pneumonia (MA subset of 92,525 U.S. flu and pneumonia deaths)	--2,628
1940 -- Tuberculosis (MA subset of 55,576 tuberculosis deaths nationwide)	--1,495
1940 -- Whooping Cough (MA subset of 2,926 whooping cough deaths nationwide)	-- 24
1944 -- Cerebrospinal Meningitis, MA (2,812 cerebrospinal meningitis deaths nationwide)	-- 80
1944 -- Influenza (MA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 209
1944 -- Measles, especially Jan-June (MA subset of 1,923 measles deaths nationwide)	-- 21
1944 -- Tuberculosis (MA subset of 54,731 tuberculosis deaths nationwide)	--1,689
1944 -- Whooping Cough (MA subset of 1,878 whooping cough deaths nationwide)	-- 15

³¹⁸ Five men in a dory from the Boston sword fishing schooner *Nokomis* were lost in the Nantucket South Shoals; four men from the Provincetown fisher *Arbitrator* were lost in their dory; and two Maine men were lost – one drowning at the Belfast wharfs, and one on Mount Desert Island when the British schooner *Tay* wrecks.

³¹⁹ Massachusetts was second, behind California (230 deaths) in polio deaths in the U.S. in 1927.

³²⁰ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1946 -- July 18, Butane Gas Explosion , Christy's Spa & 3 frame buildings, Onset, MA	--	9
1949 -- Polio, especially July-Nov (MA subset of ~2,725 polio deaths nationwide)	--	53
1953 -- Polio (MA subset of 1,450 polio deaths nationwide)	--	25
1971 -- Jan 25, Construction Failure , 16-Story Apartment Bldg., Boston, MA	--	4
1972 -- June 17, Fire/building collapse , firefighters killed, Hotel Vendome , Boston, MA	--	9
1983 -- Feb 12, Snow Storm with Blizzard conditions	--	5
1985 -- Measles (subset of 5 US measles deaths)	--	1
1985 -- Jan 10, Home fire from makeshift heater during frigid cold spell, Brockton, MA	--	5
1987 -- Measles , Bristol and Middlesex counties, MA (boy, 5-9 and man, 55-64)	--	2
1991 -- Oct 28-Nov 1, Perfect Storm Nor'easter , East Coast, Andrea Gail (6) Lost	--	8
2011 -- Oct 29, Nor'easter Snowstorm , CO poisonings, house fire, electrocution	--	6
2013 -- April 15, Terrorism, Boston Marathon Bombs , MIT officer killed Apr 19, MA	--	4

Breakout of **Massachusetts** Large Loss of Life Events (10 or more fatalities) by Type:

- 193 -- **Maritime and Inland Watercraft**. (Plus **two** -- 9 deaths in 1911 and 8 in 1991.)
- 47 -- **Disease**, select communicable, especially **epidemics**. (Plus **60** in "Other.")
- 19 -- **Violence**. (Plus **two** -- one with 8-9 fatalities and one with 4 in "Other.")
- 16 -- **Fire**. (Plus 3 <10 deaths: 6 in 1909, 9 on June 17, 1972 and 5, Jan 10, 1985.)
- 15 -- **Aviation**. (Includes Pan Am 103 downing over Lockerbie Scotland.)
- 11 -- **Heat**. (Plus **one** with 4-7 deaths in "Other.")
- 11 -- **Rail**
- 9 -- **Structural Failures**. (Plus **two** -- one with 7 and one with 4 deaths in "Other.")
- 9 -- **Winter Storms/Weather**.³²¹ (Plus 2 >10 deaths: 5 on 2-12-1983; 6 in 2011 snowstorm.)
- 7 -- **Hurricanes** (primarily offshore maritime disasters).
- 6 -- **Explosions**. (Plus **one** with 9 fatalities in "Other.")
- 2 -- **Flooding**.
- 1 -- **Mining/Tunneling**.
- 1 -- **Tornado**.
- 1 -- **Vehicular -- Road/Highway**.
- 1 -- **Wood Alcohol Poisoning**.

³²¹ Includes a 1786 Winter Storm and Gale, for the reason that the grounding of these two vessels did not lead to loss of life -- hypothermia, once ashore, was the cause of death. Also includes 1802 exposure deaths on shore of sailors from several ships after grounding, especially the *Brutus* with nine lives lost.

MI

Michigan

1.	1763 -- May 25, St. Joseph's Post Massacre , Mouth of St. Joseph's River, MI	--	11
2.	1832 -- Cholera , Forts Gratiot and Mackinac	--	60
3.	1834 -- Aug 1-15, Cholera , Detroit, MI	--	99
4.	1846 -- Nov 19, Schooner Lexington Sinks , Lake Erie Storm, off Point Mouillee, MI--	13	
5.	1847 -- Jun 11, Schooner Merchant lost , Leaves Sault Ste. Marie, Lake Superior, MI --	18	
6.	1848 -- Apr 18 Schooner Tribune Missing , Lake MI., found off Cathead Point, MI	--	10
7.	1848 -- Sep 15-21, Propeller Goliah Fire/Explos. , Lake Huron, ~Point au Barques, MI--	18	
8.	1849 -- Cholera , esp. Detroit, and Dutch settlements of Drenthe, Grandville, Zeeland	--	200
9.	1849 -- Apr 17, Outward Bound Founders , Lake MI Storm, Manitou Passage, MI	--	11
10.	1850 -- Oct 3-14 Cholera Outbreak, Kalamazoo, MI	--	17
11.	1854 -- May 19, Cholera Outbreak beginning, Detroit, MI; also Ann Arbor	--	1,000
12.	1854 -- Oct 08, Sidewheel Steamer E.K. Collins Burns , ~Mouth of Detroit River, MI-20-23		
13.	1854 -- Nov 13, Propeller Bucephalus Sinks in Lake Huron storm ~Bird's Creek, MI--	10	
14.	1854 -- Dec 7/8, Westmoreland Founders , Lake MI Ice Storm, Manitou Passage, MI	--	17
15.	1855 -- Apr 20, Propeller Oregon Boiler Explosion , Detroit River, ~Belle Isle, MI	--	12
16.	1856 -- Oct 29/30, Steamer Superior Grounds , Lake Sup. Storm, Pictured Rocks, MI--	34-54	
17.	1856 -- Nov 26, Schooner Cherokee Founders , Lake MI Gale, 7m so. Manistee, MI	--	14
18.	1859 -- Oct 16, Propeller Troy Founders , Lake Huron Storm, Point aux Barques, MI--	23	
19.	1860 -- Scarlet Fever (MI subset of 26,402 deaths in 38 Census States & DC) ³²²	--	657
20.	1862 -- Aug 09, Illinois Hits Oriole, Fog , Lake Superior, off Munising, MI	--	12
21.	1863 -- Aug 28, Steamer Sunbeam Sinks , Lake Sup. Storm, ~Keweenaw Pt., MI	--	25-34
22.	1863 -- Oct, Steam Screw Water Witch Founders , Saginaw Bay, MI	--	20
23.	1864 -- May 21, Steamboat Nile Boiler Explosion , Detroit, MI	--	6-13
24.	1865 -- Aug 9, Pewabic collides with Meteor, Sinks , Lake Huron, off Alpena, MI ³²³ --	32-125	
25.	1866 -- Apr 26, Steamer Windsor Burned , Detroit River, Detroit, MI	--	20-31
26.	1868 -- Sep 07, Hippocampus Grounds , Lake MI Storm, off St. Joseph, MI	--	26
27.	1868 -- Sep 16, Persian Sunk by E.B. Allen , Lake Huron 3m off 40-Mile Point, MI	--	10
28.	1869 -- Nov 4-15, ³²⁴ WW Arnold Grounds , Lake Sup. Storm, Two Hearted River, MI--	11	
29.	1871 -- Oct 8-9 Wildfires spreading from Peshtigo WI fire, Birch Creek, upper MI ³²⁵	--	21
30.	1871 -- Oct 8-9, Wildfires , esp. Port Huron, St. Clair Co., Manistee Co., lower MI-169--	200	
31.	1871 -- Oct 15, R.G. Coburn Sinks , Lake Huron Storm, ~Pointe aux Barques, MI	--	32
32.	1872 -- Nov 27, Barges Jupiter & Saturn Ground , Lake Sup. Storm, Vermilion Pt. MI--	15	
33.	1873 -- Sep 15, Steamship Ironsides sinks , storm, Lake MI, near Grand Haven, MI ³²⁶ -	18-27	
34.	1874 -- Oct 22, Passenger/Package Freight Brooklyn Explodes , Detroit River, MI	--	22
35.	1875 -- Apr 29, Fishermen Drown off Saint Joseph, MI	--	11
36.	1875 -- Sep 10, Propeller Equinox Sinks , Storm, Lake Mich., ~Big Sable Point, MI	--	21-26
37.	1876 -- July 09, Steamer St. Clair fire , Lake Superior off 14 Mile Point, MI	--	26-27
38.	1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 US deaths) ³²⁷ -	1,881	

³²² Second leading known cause of death in the State in 1860, behind consumption.

³²³ Cross-listed in Ohio in that the boat was home-ported and mostly crewed in Cleveland.

³²⁴ Four dates are provided in the accounts cited in narrative, Nov 1, on or after Nov 4, Nov 11, and Nov. 15.

³²⁵ This wildfire was not part of the lower MI "Thumb" area fire. Birch Creek is near Green Bay off Lake Michigan. The Port Huron, etc. fires, were on the other side of Michigan fronting Lake Huron.

³²⁶ Cross-listed in Wisconsin in that the boat was home-ported and mostly crewed in Milwaukee, and in that there were at least a dozen Milwaukee fatalities from this loss.

Michigan (continued)

39.	1879 -- June-May 1880, Measles , esp. children (MI subset, 8,254 US measles deaths) --	190
40.	1879 -- Oct 09, Rear-end Train Collision , Michigan Central RR, Jackson, MI --	30
41.	1880 -- July 22, Steamer <i>Mamie</i> Bisected by <i>Garland</i> , Detroit Riv., ~Grosse Isle, MI --	16-17
42.	1880 -- Oct 16, Sidewheel Steamer Alpena Sinks , Lake MI Stm., ~off Holland, MI--	57-101
43.	1881 -- Apr-Dec, Smallpox , especially Bingham Township (18 in Nov) --	32
44.	1881 -- Sep 1-6, Wildfire, "The Thumb Fire," Lower Michigan --	169-500
45.	1882 -- Smallpox , 61 Localities, MI --	159-175
46.	1882 -- Apr 06, Tornadoes (5), 10 Counties in MI --	10
47.	1882 -- Dec 1, <i>R.G. Peters</i> fire, founders, Lake Michigan Storm, bound Manistee MI--	14
48.	1883 -- Nov 16, Steamer Manistee lost , Lake Superior gale, ~Keweenaw Pen., MI --	25-37
49.	1884 -- Apr 30, Fire, Van Buren County, MI Poorhouse , near Harford, MI --	13-15
50.	1886 -- Nov 19, Barges Menekaunee & Marinette wreck , Lake MI., ~Frankfort, MI --	14
51.	1887 -- Mar 24, Fire, Colby Iron Mine Boarding House , Bessemer, MI --	12
52.	1887 -- Jun 17, Steamer Champlain burns , Lake Michigan, off Charlevoix, MI --	20-24
53.	1887 -- Oct 03, Prop. California founders, Lake MI Stm., Straits of Mackinac, MI --	13-14
54.	1890 -- Nov 05, 8, Schs. <i>Lillie Amoit & John D. Miner</i> collide, Menominee Harbor, MI--	25
55.	1892 -- Sep 01, <i>Western Reserve</i> sinks, storm, off Sable Banks off Deer Park, MI ³²⁸ --	26-31
56.	1892 -- Oct ~28, OH Steamer <i>W. H. Gilcher</i> Sinks, Stm., Lake MI, ~Manitou Is. MI --	18-21
57.	1893 -- May, Forest Fire, Lumber Camp , near Cadillac MI --	10-12
58.	1893 -- May 14, Mine hoist cage fall , Red Jacket Shaft Copper Mine, Calumet, MI --	10
59.	1893 -- Sep 28, Mansfield Iron Mine Flooding , Crystal Falls, MI --	28
60.	1893 -- Oct 13, Train Collision , NYC Excursion Train, Depot, Jackson, MI --	13
61.	1893 -- Oct 13-14, MI lives lost on Schooners Riverside, Wocoken , Great Lakes Storm ³²⁹ --	16
62.	1893 -- Oct 20, Trains Collide , Fire, Battle Creek, MI --	26
63.	1893 -- Nov 07, Albany/Philadelphia Collision , Fog , L. Huron ~ Pte Aux Barques, MI--	24
64.	1895 -- Jan 21, Steamer Chicora sinks , storm, Lake Michigan, off South Haven, MI --	24-26
65.	1895 -- Sep 07, Mine Fire , Osceolo Copper Mine, Level 27, Calumet, MI --	30
66.	1895 -- Nov 06, Boiler Explosion and Fire , <i>Evening Journal</i> Building, Detroit, MI --	37-40
67.	1896 -- Sep 05, Fire, Yore's Opera House , Benton Harbor, MI --	12
68.	1898 -- Feb 26, Fire/Explosions , walls fall, Hall Brothers Chemical, Kalamazoo, MI --	10
69.	1898 -- Nov 05, Building Collapse , Wonderland Theater, Detroit, MI --	15
70.	1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths) --	32
71.	1901 -- May 24, Steamer Baltimore founders , Lake Huron, near Au Sable, MI --	13
72.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths) --	53
73.	1901 -- Nov 26, Boiler Explosion and Fire , Penberthy Injector Co., Detroit, MI --	29-30
74.	1901 -- Nov 27, Passenger Trains Collide , Wabash Railroad, near Seneca, MI --	75-100
75.	1902 -- Jan 07, Copper Mine Cave-in , Negaunee, MI --	10-15
76.	1902 -- June-Aug (especially July) Heat (subset of 290 heat deaths) --	11
77.	1903 -- June-Aug (especially first half July), Heat (subset of 520 US heat deaths) --	16
78.	1903 -- Aug 07, Wallace Circus Trains Collide , Grand Trunk Railroad, Durand, MI --	24-26
79.	1903 -- Dec 26, Trains Collide , Pere Marquette RR, near Grand Rapids, MI --	22

³²⁷ Second leading cause of death in the State in 1879 and 1880, behind tuberculosis.

³²⁸ Cross-listed as well in Ohio in that this was an Ohio boat.

³²⁹ This is a subset of total loss of life in this storm, with a fatality range of 65-73.

Michigan (continued)

80.	1904 -- June -Aug, Heat , subset of 235 US heat deaths	--	12
81.	1905 -- Sep 03, Steamer <i>Iosco</i> lost , Lake Sup. Storm, E of Keweenaw Peninsula, MI	--	19
82.	1905 -- Oct 19, Steamer <i>Kaliyuga</i> lost , La. Huron Stm., last seen off Presque Isle, MI	--	17
83.	1907 -- April 13, Steamer <i>Arcadia</i> founders , Lake Michigan, Big Sable, MI	--	12
84.	1907 -- July 20, Excursion & Freight Trains Collide , Pere Marquette RR, ~Salem, MI	31-32	
85.	1907 -- Oct 11, Steamer <i>Cypress</i> founders , Lake Superior Storm, off Deer Park, MI	--22-26	
86.	1907 -- Dec 07, Rolling Mill Iron Mine, Skip Fall , Negaunee, MI	--	10
87.	1908 -- Oct 15, Wildfire (Nowicki Train Fire), NE MI, esp. Metz, Presque Isle Co.	--37-47	
88.	1908 -- Nov 30/Dec 1, Steamer <i>D.M. Clemson</i> sinks , storm, off Whitefish Pt., MI	--24-27	
89.	1909 -- May, ~1-2, Storm, Stm. <i>Adella Shores</i> sinks , Lake Sup., ~Grand Isl., MI	--14-21	
90.	1909 -- July 12, <i>John B. Cowle</i> / <i>Isaac M. Scott</i> collide , Lake Sup., Whitefish Pt., MI	--	14
91.	1910 -- Oct-Dec mostly, esp. Bay City, Lapeer and Saginaw (MI lead US in such deaths)	--121	
92.	1910 -- May 23, <i>Frank H. Goodyear</i> hit/sinks, fog , Lake Huron, ~Pt. Aux Barques MI	--17-23	
93.	1911 -- Feb 06, Explosion , Pluto Powder Co., near Winthrop & Ishpeming, MI	--	10
94.	1911 -- Jul 2-10, Heat , Detroit, MI	--	9-21
95.	1911 -- July 11, Wildfire , Northeaster Mich., esp. Au Sable, Oscoda on Lake Huron	--	5-12
96.	1911 -- Nov 11, Tornadoes (3), Mason, IL; Rock, WI; Shiawassee, MI	--	13
97.	1913 -- Nov 7-10, 8 Boats Lost, Great Lakes Storm "The Big Blow" {MI subset}	--	187
98.	1913 -- Dec 24, Crushing/Trampling, Italian Hall , Calumet, MI	--73-75	
99.	1914 -- May 15, Chemical Explosion, Mexican Crude Rubber Co. , Detroit, MI	--	10
100.	1914 -- Nov 19, Storm, Steamer <i>C.F. Curtis</i>/two Barges Sink ~Grand Marais, MI	--27-28	
101.	1916 -- Aug 1-Oct 23, Polio Epidemic , especially children, MI	--	138
102.	1916 -- May 08, Steamer <i>Kirby</i> Sinks , Lake Sup. Storm 8m no. of Eagle Harbor, MI	20-21	
103.	1916 -- Jul 12-31, Heat , especially Detroit, MI	--	109
104.	1916 -- Oct 1, Freight Train/Street Car (Trolley) Crossing Collision , Detroit, MI	--10-14	
105.	1918 -- Feb 21, Mine Cave-in , Amasa-Porter Iron Mine, Crystal Falls, MI	--	17
106.	1918 -- July 20, Trains Collide , near Chelsea, MI	--	15
107.	1918 -- Sep-Apr 1919, Influenza and Pneumonia Epidemic , esp. Detroit	11,440-11,697	
	1918 -- Sep-Dec, Influenza & Pneumonia, esp. greater Detroit, MI	6,443-6,700	
	1919 -- Jan-Apr, Influenza & Pneumonia, especially greater Detroit, MI	--4,997	
108.	1919 -- Oct 28, Steamer <i>Muskegon</i> Hits Pier in Storm, Sinks , Muskegon Harbor, MI	--	29
109.	1919 -- Nov 22, Steamer <i>Myron</i> Founders in Lake Sup. Gale off Whitefish Point, MI	--	16-18
110.	1920 -- Diphtheria & Croup (MA subset, 13,395 such deaths, 34 registration states) ³³⁰	--586	
111.	1920 -- Jan-Dec, Influenza and pneumonia , especially Detroit, MI	--5,459	
112.	1920 -- Measles (MI subset of 7,712 measles deaths in 34 registration states) ³³¹	--	439
113.	1920 -- Scarlet Fever (MI subset, 4,004 scarlet fever deaths, 34 registration states) ³³²	--	303
114.	1920 -- Mar 28, Tornadoes , Barry, Eaton, Genesee, Kalamazoo, Oakland, other co's.	--	13
115.	1921 -- Polio (Acute) esp. late Summer-Fall (MI subset, 1,597 U.S. polio deaths) ³³³	--	115
116.	1921 -- Oct 30, House of David ³³⁴ Schooner <i>Rosa Belle</i> founders , storm, mid-Lake MI	--	11

³³⁰ MI had the highest death rate (23.8 per 100,000) in the country; 15.3 was average. Detroit had a rate of 37.0.

³³¹ In terms of large loss of life by State, MI was 5th behind NY at 1,177, PA at 1,153, OH at 750 and IL with 496.

³³² Michigan had 3rd highest mortality from scarlet fever, behind PA at 497, NY at 474, OH at 383, and IL at 370. Death rate was 8.2 per 100,000, while average amongst registration states was 4.6.

³³³ Michigan had the 4th highest mortality from polio in 1921, behind NY (272), IL (150), and WA (122).

Michigan (continued)

117.	1924 -- Sep 22, Steamer Clifton Lost , Lake Huron, off Coast of MI	--	28
118.	1926 -- July 19-21, Heat , especially Detroit, MI (subset, 160-180 U.S. deaths)	--	>15
119.	1926 -- Sep 02, Trains Collide , near Monroe, MI	--	10
120.	1926 -- Nov 03, Mine Flood , Barnes Hecker Mine, Ishpeming, MI	--	51
121.	1927 -- Apr 23, Fire Explosions , Briggs Manufacturing Co. , Detroit, MI	--	23
122.	1927 -- May 18, Dynamite Bombing , Bath Township Consolidated School, MI ³³⁵	--	46
123.	1929 -- July 04, Drownings , Grand Haven State Park, MI	--	10
124.	1929 -- Sep 9/10, Andaste sinks , Lakes Mich. Storm 14 miles west off Holland, MI	--	25
125.	1929 -- Sep 20, Fire, Study Club , Detroit, MI	--	22
126.	1931 -- Polio , esp. July-Oct, (MI subset of 2,139-2,144 US polio deaths, esp. children)-116		
127.	1931 -- Summer, Heat (MI subset of 2768 U.S. heat-related deaths)	--	97
128.	1933 -- Feb 9-12, Cold Waves , Winter Storms, Blizzard-like conditions	--	12
129.	1934 -- July and Aug 12-14 Heat , MI (subset of 1,683 fatalities nationwide)	--	25
130.	1934 -- Dec 11, Kerns Hotel Fire , Grand Avenue, Lansing, MI	--	34
131.	1936 -- July 4-19, Heat , especially Detroit, MI	--	617
132.	1939 -- Influenza and Pneumonia (State subset, 99,097 U.S. flu/pneumonia deaths)-3,598		
133.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	10
134.	1940 -- Nov 11-12, Armistice Day Storm, Lake Mich., 4 U.S. Boats Wreck off MI	--	42
135.	1942 -- Oct 28, Train Crashes into Bus , Detroit, MI	--	16
136.	1943 -- June 20-22, Detroit Racial Rioting , MI	--	34
137.	1946 -- Polio , especially July-Nov (MI subset of 1,845 polio deaths nationwide)	--	90
138.	1949 -- Polio , especially July-Nov (MI subset of ~2,725 polio deaths nationwide)	--	210
139.	1949 -- Mar 03, Kerosene Explosion and Fire , Residential, Lakewood, MI	--	11
140.	1950 -- Polio , especially July-Nov (MI subset of 1,904 polio deaths nationwide)	--	127
141.	1950 -- June 23, NW Orient 2501 Disappears , Lake MI, near Benton Harbor, MI	--	58
142.	1950 -- Nov 24-27, East US “ Storm of the Century ,” subset for MI	--	22
143.	1951 -- Polio , especially July-Nov (MI subset of 1,551-1,555 U.S. polio deaths)	--	62
144.	1951 -- Jan 27-Feb 4, Cold Waves , Winter Storms, ice, sleet, snow, MI ³³⁶	--	10-16
145.	1951 -- Aug 18, Beer truck/car collide, truck/Greyhound bus collide near Alpena, MI-11-14		
146.	1953 -- Polio (MI subset of 1,450 polio deaths nationwide) ³³⁷	--	106
147.	1953 -- May 11 Storm, Henry Steinbrenner Sinks Lake Superior ~Isle Royale, MI	--	17
148.	1953 -- June 08, Tornadoes , especially Flint-Beecher, MI	--	121
149.	1956 -- Apr 03, Tornado , Allegan, Ottawa, Kent, Montcalm Counties, MI	--	18
150.	1956 -- Oct 03, Building Collapse (under const.), Consumers Power Co., Jackson, MI--	10	
151.	1958 -- Apr 06, Plane Crash, Capital Airlines Flight 67 , near Freeland, MI	--	47
152.	1958 -- Nov 18, MI Freighter Carl D. Bradley Sinks in Lake MI Storm, MI	--	33
153.	1964 -- May 08, Tornado , Macomb County, MI	--	11
154.	1965 -- Apr 11-12, Palm Sunday Tornado Outbreak, multiple counties, MI	--	53

³³⁴ Michigan religious order. Boat met disaster on trip between High Island and Benton Harbor, MI.

³³⁵ Kehoe's bombs initially killed 37 elementary school children and 2 teachers. He murdered his wife. Detonated car bomb killing himself, school superintendent, village postmaster, postmaster's father-in-law. On August 22, 1927, student Beatrice Gibbs dies of injuries, and about one-year later 2nd grader Richard Fritz died of “lingering injuries.”

³³⁶ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

³³⁷ Michigan was third, behind California and New York in polio deaths in 1953.

Michigan (continued)

155.	1965 -- May 7, Steamer Cedarville & Freighter Collide , Sinks, Mackinac Straits, MI--	10
156.	1967 -- Jan 26-27, Great Midwest Blizzard (100-111 fatalities), MI subset	-- 22
157.	1967 -- July 23-26, Detroit Race Riots , Army, Mich. NG, Detroit & State Police, MI--	43
158.	1968 -- Dec 15-Jan 11, 1969, A2 Hong Kong Influenza-Pneumonia , esp. Detroit, MI--	269
159.	1969 -- July 10, Fire, Farm Dwelling (laundry room), Posen, Presque Isle County, MI--	10
160.	1971 -- Dec 11, Explosion , Lake Huron Water Tunnel , Port Huron, MI	-- 22
161.	1975 -- Nov 10, Storm, SS Edmund Fitzgerald Sinks , Lake S., Whitefish Bay, MI --	29
162.	1976 -- Sep 26, Plane Crash , USAF KC-135 (61-0296), Alpena, MI	-- 15
163.	1977 -- Dec 10, Fire , Wenonah Park Building Apartments , Bay City, MI	-- 10
164.	1982 -- Jan 9-17, Extreme Winter Cold and Snow Storms	--10-12
165.	1982 -- Jan 31-Feb 3, Winter Snow and Cold , especially shoveling snow Detroit area--	19
166.	1985 -- Jan 20-23, Winter weather, exposure/hypothermia	-- 10
167.	1987 -- Aug 16, Northwest Airlines Flight 255 takeoff crash , hits cars, Detroit, MI--	156
168.	1988 -- Summer Heat , Especially Detroit/Wayne County area, MI	-- ~121
169.	1988 -- Dec 21, MI residents killed on Pan Am 103 takedown, Lockerbie Scotland ³³⁸ --	14
170.	1989 -- Dec 2-3, Heavy Snow and traffic accidents , Michigan	-- 16
171.	1992 -- June 2, Fire , Nu-Way Development Home (Adult Foster Care) , Detroit, MI--	10
172.	1994 -- Summer esp., Heat (MI subset of 221 U.S. heat deaths) ³³⁹	-- 11
173.	1995 -- July 13-17, Heat , especially west-central MI	-- 28
174.	1997 -- Jan 09, Plane Crash , Comair 3272 , Snowstorm/Icing, ~Monroe & Detroit, MI--	29
175.	1997 -- July 29, Dump Truck Hits Pickup Truck , Albion, Concord Township, MI --	11
176.	1999 -- July 31, Takeoff crash/Parahawks Skydiving Center plane , Marine City, MI--	10
177.	2005 -- Oct 2, Ethan Allen tour boat capsizes, Lake George, near Cramer Point, NY ³⁴⁰ --	19
178.	2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	-- 88
179.	2012 -- Fungal Meningitis due to tainted steroid injections , MI	-- 19

Select Other Michigan Loss of Life Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths --	251
1860 --	Measles (MI subset of 3,900 measles deaths nationwide)	-- 53
1860 --	Tuberculosis ("consumption") (MI subset of 49,082 death nationwide) ³⁴¹	--1,187
1860 --	Whooping Cough (MI subset of 8,408 whooping cough deaths nationwide)	-- 118
1870 --	Diphtheria (MI subset of 6,303 diphtheria deaths nationwide)	-- 141
1870 --	Measles (MI subset of 9,237 measles deaths nationwide)	-- 133
1870 --	Scarlet Fever , especially children, MI	-- 852
1870 --	Typhoid Fever (MI subset of 22,187 typhoid fever deaths nationwide)	-- 666
1870 --	Tuberculosis (Consumption) (Mich. subset of ~70,000 TB deaths nationwide)	--1,844
1870 --	Typhus (MI subset of 1,770 typhus deaths nationwide)	-- 37
1870 --	Whooping Cough (MI subset of 9,008 whooping cough deaths nationwide)	-- 244
1871 --	Scarlet Fever , especially children, MI	-- 696

³³⁸ Of the 270 killed (including 11 Lockerbie residents), 189 were U.S. residents.

³³⁹ California had 2nd highest heat mortality in 1994, behind Arizona with 47, and ahead of PA with 22.

³⁴⁰ Cross-listed in Michigan in that 19 of the 20 fatalities were tourists from Michigan.

³⁴¹ Was the leading reported cause of death in the State and in the U.S. in 1860.

Michigan Select Other Loss of Life Events (continued)

1872 --	Scarlet Fever , especially children, MI	--	565
1873 --	Scarlet Fever , especially children, MI	--	580
1874 --	Scarlet Fever , especially children, MI	--	440
1874 --	Feb 13, Copper mine dynamite explosion, Phoenix, MI	--	6
1875 --	Croup and Diphtheria , MI	--	374
1875 --	Scarlet Fever , primarily children, MI	--	423
1875 --	Tuberculosis (Consumption), leading cause of death in State for year, MI	--	1,479
1875 --	Typhoid Fever , 3 rd leading cause of death in MI for year	--	433
1875 --	Whooping Cough , MI	--	101
1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	374
1879 --	June-May 1880, " Malarial Fever ," (MI subset, 20,231 such deaths nationwide)	--	296
1879 --	June-May 1880, Meningitis (MI subset of 7,481 meningitis deaths nationwide)	--	68
1879 --	June-May 1880, Scarlet Fever , esp. children (MI subset, 16,388 U.S. S.F. deaths)	--	483
1879 --	June-May 1880, Tuberculosis (MI subset of 91,270 TB deaths nationwide)	--	2,387
1879 --	June-May 1880, Typhoid Fever (MI subset of 23,339 U.S. typhoid deaths)	--	517
1879 --	June-May 1880, Whooping Cough (MI subset, 11,064 U.S. W.C. deaths)	--	330
1890 --	Diphtheria and Croup (MI subset of 41,677 deaths nationwide)	--	237
1890 --	Jan-Mar, Influenza (La Grippe/Russian Flu), esp. Detroit, Grand Rapids, MI	--	294
1890 --	Typhoid Fever (MI subset of ~30,000 typhoid deaths nationwide)	--	304
1894 --	Jan 8-Dec 8, Smallpox , Detroit, Menominee, Muskegon, Otsego, Sturgis, MI	--	51
1897 --	Typhoid Fever (MI subset of approximately 6,000 deaths nationwide)	--	774
1898 --	Typhoid Fever (MI subset of 3071 deaths), civilians and MI Vol. Inf., US camps ³⁴²	--	668
1900 --	Tuberculosis (33,572 MI deaths all causes) (109,750 US tuberculosis deaths)	--	2,438
1900 --	Typhoid Fever (MI subset of 35,379 typhoid fever deaths nationwide)	--	289
1901 --	June 4, Dynamite explosion, Chapin iron mine, Iron Mountain, MI	--	8
1907 --	Typhoid Fever (MI subset of approximately 13,000 typhoid deaths nationwide)	--	594
1910 --	Polio , especially children, MI	--	48
1914 --	July-Dec, Polio , especially children, MI	--	28
1915 --	Sep-Oct, Polio , especially children, MI	--	30
1916 --	Diphtheria , especially children	--	486
1917 --	Polio , esp. June-Sep, especially children (MI subset, ≥1,182 U.S. polio deaths)	--	40
1918 --	Typhoid Fever (MI subset of 9,100 U.S. Typhoid Fever deaths)	--	321
1920 --	Typhoid Fever (MI subset of 6,805 typhoid fever deaths in 34 registration states)	--	294
1920 --	Whooping Cough (MI subset, 10,968 whooping cough deaths in 34 reg. states)	--	299
1927 --	Polio (acute) esp. late Summer and Fall (MI subset, 2,013 polio deaths nationwide)	--	67
1931 --	"Epidemic Cerebrospinal Meningitis ," ³⁴³ (MI subset, 2,832 US meningitis deaths)	--	126
1931 --	Diphtheria , especially children (MI subset, 5,738 U.S. diphtheria deaths)	--	173
1931 --	Influenza (MI subset of 31,701 influenza deaths nationwide)	--	813
1931 --	Measles , especially children (MI subset, 3,576 measles deaths nationwide)	--	32
1939 --	Diphtheria , esp. Jan-Mar, Sep-Dec (MI subset of 1,997 U.S. diphtheria deaths)	--	26
1939 --	Tuberculosis (MI subset of 61,609 tuberculosis deaths nationwide)	--	1,703
1939 --	Whooping Cough (MI subset of 3,026 whooping cough deaths nationwide)	--	77

³⁴² 572 civilians; 96 MI military in 31st (16), 32nd (19), 33rd (14), 34th (26) and 35th (21) MI Vol. Infantry regiments.

³⁴³ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1940 -- Influenza and Pneumonia (MI subset of 92,525 U.S. flu and pneumonia deaths)	--2,777
1940 -- Polio (MI subset of 1,026 polio deaths nationwide)	-- 73
1940 -- Tuberculosis (MI subset of 55,576 tuberculosis deaths nationwide)	--1,583
1940 -- Whooping Cough (MI subset of 2,926 whooping cough deaths nationwide)	-- 57
1941 -- Measles , especially children (MI subset of 2,270 measles deaths nationwide)	-- 66
1944 -- Cerebrospinal Meningitis (2,812 U.S. cerebrospinal meningitis deaths), MI	-- 117
1944 -- Influenza (MI subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 367
1944 -- Measles , especially Jan-June (MI subset of 1,923 measles deaths nationwide)	-- 44
1944 -- Polio , the year, especially July-Nov (MI subset of 1,070 polio deaths nationwide)	-- 47
1944 -- Tuberculosis (MI subset of 54,731 tuberculosis deaths nationwide)	--1,814
1944 -- Whooping Cough (MI subset of 1,878 whooping cough deaths nationwide)	-- 29
1950 -- Measles , especially children (MI subset of 468 measles deaths nationwide) ³⁴⁴	-- 28
1952 -- Polio , especially children, especially Detroit, MI	-- 34
1971 -- June 14, " Dope Den " " Execution Style " Mass Murder , Detroit, MI	-- 8
1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196	-- 6
1983 -- Summer Heat , Deaths in at least six counties (subset of U.S. toll of 597)	-- 6
1983 -- July 10/11, US Army CH-47 Chinook Helicopter Crash , South Fox Island, MI	-- 6
1987 -- March 4, Northwest Airlink Crash , Detroit/Wayne County Airport, Romulus, MI--	9
1989 -- Dec 20-25, Cold Wave and freezing drizzle	-- 5
1993 -- Feb 28, Fire, Apartment Building (8 children, 1 adult) , Ludington, MI	-- 9
1998 -- July 26, Racing Crash, Spectators Killed , U.S. 500, Brooklyn, MI	-- 3
1998 -- Dec 11, Explosion, Independence Professional 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 Fireworks Co. , Osseo, MI	-- 5
2001 -- Summer, Heat , especially Detroit	-- 5
2014 -- Jan 1-7, Winter Storms and Polar Vortex Cold Wave (subset of 44-45 US deaths)--	9
2016 -- Feb 20, Violence, Uber driver random mass shootings , Kalamazoo, MI	-- 6

Breakout of **Michigan** Large-Loss-of-Live Events (10 or more fatalities) by Type:

- 54 -- **Maritime and Inland Waterways.**
- 27 -- **Disease**, select communicable, especially epidemics. (Plus 67 in "Other.")
- 15 -- **Heat.** (Plus 4 years <10 deaths: 9 in 1980, 6 in 1982, 6 in 1983, and 5 in 2001.)
- 13 -- **Fire, structural** -- Four follow explosions. Plus **one** in 1993 with 9 deaths.
- 11 -- **Rail.**
- 8 -- **Aviation.** Includes Lockerbie, Scotland PA 103. Plus **two** -- 1 with 6 deaths and 1 with 9.
- 8 -- **Mining/Tunneling.** (Plus 2 events <10 deaths: 6 in 1874 and 8 deaths in 1901.)
- 8 -- **Winter Weather.** (Plus **two** -- one with 5 deaths in 1989 and one with 9 in 2014.)
- 7 -- **Explosions.** (Plus **three** -- one in 1998 with 7 deaths, one in 1999 with 6, another with 5.)
- 7 -- **Tornadoes.**
- 6 -- **Fire, Wildfires, Forest Fires, Prairie Fires.**
- 6 -- **Violence.** Includes Lockerbie, Scotland plane. (Plus 8 fatalities in 1971 and 6 in 2016.)
- 3 -- **Vehicular/Road/Highway.** (One was a railroad crossing event.)
- 2 -- **Structural Failures.**
- 1 -- **Drowning events (non-Maritime)**

³⁴⁴ Third largest loss of life to measles in 1950 – behind Mississippi with 34 and Kentucky with 30.

1 -- **Flooding** (Mine Flood)

1 -- **Tainted Medication**

MN

Minnesota

1.	1862 -- Aug 17-Sep, Violence, Sioux “Insurrection,” Litchfield, elsewhere, MN	--300-650
2.	1870 -- Typhoid Fever (MN subset of 22,187 typhoid fever deaths nationwide)	-- 236
3.	1873 -- Jan 7-9, Blizzard , MN	-- 70
4.	1878 -- May 02, Dust Explosion/Fire , Washburne Flour Mills, MN	-- 18
5.	1879 -- June-May, 1880, Diphtheria , esp. Sep-Jan, esp. children, esp. Sleepy Eye, MN-1,463	
	1879 -- Diphtheria , esp. Blue Earth, Faribault, Hennepin, Goodhue, Watonwan Counties ³⁴⁵	951
6.	1879 -- June-May 1880, Typhoid Fever (MN subset of 23,339 U.S. Typhoid deaths)	-- 285
7.	1879 -- July 2, Tornado Outbreak , Nicollet, Le Sueur, Goodhue Counties, MN	-- 14
8.	1880 -- Nov 15, Fire, Minnesota State Asylum for Insane , St. Paul, MN	--24-30
9.	1881 -- Smallpox , especially Stearns County, MN	-- 44
10.	1881 -- Aug-Dec, Typhoid Fever , Minneapolis, MN	-- 230
11.	1881 -- July 15, Tornado Outbreak , MN	-- 24
12.	1882 -- Smallpox , especially Spring Hill (29 deaths), MN	-- 52
13.	1883 -- Smallpox , White Earth Reservation, MN ³⁴⁶	-- >10
14.	1883 -- Aug 21, Tornadoes , Olmsted, Dodge, Winona Counties, MN	-- 40
15.	1886 -- Apr 14, Tornadoes , Sterns/Benton (Sauk Rapids)/Morrison Counties, MN	-- 79
16.	1888 -- Jan 12, “Schoolchildren’s Blizzard,” and Extreme Cold, MN	70-200
17.	1890 -- July 13, Steamer Sea Wing Capsizes in Severe Storm, Lake Pepin, MN	--97-100
18.	1891 -- Dec 04, Wall falls , previously fire-damaged Shepard building, ³⁴⁷ St. Paul, MN	--~10
19.	1892 -- Jun 15, Tornado Outbreak , Multiple Counties, MN	--40-50
20.	1894 -- Sep 01, Wildfire , Hinckley, Pokegama, Mission Creek destroyed, MN	--418-450
21.	1900 -- Oct 06, Tornado , St. Louis County, MN	-- 10
22.	1903 -- Apr 23, Explosion , Northwestern Star Oil Plant, Minneapolis, MN	--10-11
23.	1905 -- Nov 29, Mataafa, Edenborn, Lafayette wreck , Lake Sup. Stm. ~Duluth, MN	-- 11
24.	1906 -- Jan 10, Fire, The West Hotel , Hennepin & Fifth, Minneapolis, MN	-- 11
25.	1910 -- Smallpox (MN subset of 403-415 U.S. smallpox deaths)	-- 10
26.	1910 -- Oct 7, Wildfire , Northern MN, esp. Baudette, Pitt, Spooner, MN	--32-43
27.	1911 -- March 11, Ore Landslide, Oliver Iron Mine , Norman Open Pit, Virginia, MN	-- 14
28.	1911 -- Dec 18, Trains Collide , Chicago, Milwaukee, St. Paul Railroad, Odessa, MN	-- 12
29.	1914 -- Apr 28, Storm, Steamer Benj. Noble Founders , Lake Sup., ~Knife Is. MN	--16-22
30.	1918 -- Jun 27, Mine Explosion , Silver Open Pit Iron Mine, Virginia, MN	-- 18
31.	1918 -- Aug 21, Tornado , Brookings County SD / Lincoln, Lyon Counties, MN	-- 36
32.	1918 -- Sep-Apr, 1919, Influenza and Pneumonia Epidemic , MN	--10,576-10,795
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, MN	--7,521-7,740
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, MN	--3,055
33.	1918 -- Oct 12, Forest Fires , Cloquet, Moose Lake, many towns, northeast MN	--453-559
34.	1919 -- June 22, Tornado , Fergus Falls (Ottertail County), MN	--50-59
35.	1919 -- Nov 11, Steamer John Owen Founders , Lake Superior, Out of Duluth, MN	-- 22
36.	1922 -- Aug 12, Train/Truck/Train Collisions , Annandale, MN	-- 10
37.	1923 -- Feb 08, Mine Explosion , Stag Canon, Dawson, MN	-- 120
38.	1924 -- Feb 05, Mine Flooding , Milford Iron Ore Mine, Crosby, MN	-- 41

³⁴⁵ There is a 7-month overlap in the June 1879-May 1880 U.S. Census diphtheria count, above.

³⁴⁶ Our stand-in number based on statement that “many” died.

³⁴⁷ November 18 fire.

Minnesota (continued)

39. 1931 -- Summer, especially June 15-28, July 15-19, Heat Waves , esp. Minneapolis	--	148
40. 1934 -- July Heat Wave , MN (subset of 1,683 fatalities nationwide)	--	32
41. 1936 -- July 4-19, Heat Wave , MN	--	772
42. 1940 -- Jan 03, Fire, Marlborough (Apartment) Hotel , Minneapolis, MN	--	19
43. 1940 -- Apr 21, Two Cars Collide Head-on (young people 17-23), Slayton, MN ³⁴⁸	--	12
44. 1940 -- Nov 11-12, Armistice Day Storm , Blizzard, MN	--	49
45. 1941 -- Oct 30, Plane Crash, Northwest Airlines DC-3 , Moorhead, MN ³⁴⁹	--	14
46. 1942 -- July 30, Plane Crash (Takeoff) USAAF C-73 , Minneapolis, MN	--	10
47. 1944 -- Jun 17, Tornadoes , Brown/Codington/Grant/Roberts, SD; Big Stone, MN	--	13
48. 1946 -- Aug 17, Tornado , F4, Blue Earth County, MN	--	11
49. 1950 -- Mar 07, Plane Crash, Northwest Orient Flight 307 , Minneapolis, MN	--	15
50. 1951 -- Feb 8, LPG Explos. , Minn. Mining/Mfg. Abrasives Factory, St. Paul, MN	--	14
51. 1964 -- Sep 12, Farm House Fire (Bowdish/McConnell children), Kasota, MN	--	10
52. 1965 -- Apr 16-27, Flooding, Levee Failures , esp. Mankato, St. Paul, Winoma, MN	--	13
53. 1965 -- May 06, Tornado Outbreak , MN	--	14
54. 1966 -- Jan 06, Fire, Hotel Carlton (and Apartments) , St. Paul, MN	--	11-12
55. 1967 -- Apr 30, Tornado Outbreak , Freeborn, Waseca, Steele Counties, MN ³⁵⁰	--	13
56. 1969 -- Aug 06, Tornadoes , MN	--	15
57. 1970 -- Aug 05, Fire, Pensioner Rooming House , East Hennepin, Minneapolis, MN	--	11-12
58. 1975 -- Jan 10-12, Blizzard , "The Great Storm of 1975," especially MN ³⁵¹	--	34-35
59. 1977 -- Jan 28, Fire, Stratford Hotel , Breckenridge, MN	--	16
60. 1989 -- Jan 01, Fire, Rural Single Family House , Remer, MN	--	10
61. 1993 -- Dec 1, Terrain Express II Airlines/Northwest Airlink Crash , Hibbing, MN	--	18
62. 2001 -- Summer, Heat esp. Hennepin and St. Louis Counties (subset of 344 US fatalities)	--	19
63. 2005 -- Mar 21, 16-year-old killing spree , Red Lake HS & vic., Red Lake, MN ³⁵²	--	9-10
64. 2007 -- Aug 01, Bridge Collapse and vehicles fall, Minneapolis Interstate 35W, MN	--	13
65. 2009 -- Especially Spring through Winter, H1N1 "Swine Flu"	--	61-63

Select Other Minnesota Loss of Life Events:

1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	45
1860 -- Scarlet Fever (MN subset of 26,402 deaths in 38 Census States & DC)	--	56
1860 -- Tuberculosis , reported as "consumption" (subset of 49,082 death nationwide) ³⁵³	--	151
1860 -- Whooping Cough (MN subset of 8,408 whooping cough deaths nationwide)	--	28
1870 -- Scarlet Fever , especially children (MN subset of 20,339 deaths nationwide)	--	238
1870 -- Tuberculosis (Consumption) (Minn. subset of ~70,000 TB deaths nationwide)	--	450
1870 -- Typhus (MN subset of 1,770 typhus deaths nationwide)	--	31

³⁴⁸ This was at the time the deadliest "pleasure car" accident in the country.

³⁴⁹ Was attempting Fargo, ND landing – went down just north of the Moorhead, MN city limits.

³⁵⁰ 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.

³⁵¹ Subset of 80-84 midwest fatalities.

³⁵² 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.

³⁵³ Was the leading reported cause of death in the State and in the U.S. in 1860.

Select Other Minnesota Loss of Life Events (continued)

1870 -- Whooping Cough (MN subset of 9,008 whooping cough deaths nationwide), MN--	103
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths) --	188
1879 -- June-May 1880, " Malarial Fever ," (MN subset, 20,231 such deaths nationwide) --	27
1879 -- June-May 1880, Measles , esp. children (MN subset, 8,254 U.S. measles deaths) --	83
1879 -- June-May 1880, Meningitis (MN subset of 7,481 meningitis deaths nationwide) --	47
1879 -- June-May 1880, Scarlet Fever , esp. children (MN subset, 16,388 U.S. S.F. deaths)--	191
1879 -- June-May 1880, Tuberculosis (MN subset of 91,270 TB deaths nationwide) --	713
1879 -- June-May 1880, Whooping Cough (MN subset, 11,064 U.S. W.C. deaths) --	64
1889 -- Nov 30, Fire, Tribune Building, Minneapolis, MN --	7
1890 -- Diphtheria and Croup (MN subset of 41,677 deaths nationwide) --	238
1890 -- Jan-Feb, Influenza (La Grippe/Russian Flu), especially Minneapolis, MN --	308
1890 -- Typhoid Fever , Minneapolis and St. Paul (~30,000 typhoid deaths nationwide) --	184
1897 -- Typhoid Fever (MN subset of approximately 6,000 deaths nationwide) --	181
1898 -- Typhoid Fever (MN subset, >3,000 deaths), First MN Volunteer Inf., US camps ³⁵⁴ --	46
1900 -- Tuberculosis (17,005 MN deaths all causes) (109,750 US tuberculosis deaths) ³⁵⁵ --	1,844
1900 -- Typhoid Fever (MN subset of 35,379 typhoid fever deaths nationwide) --	386
1907 -- Typhoid Fever (MN subset of approximately 13,000 deaths nationwide) ³⁵⁶ --	145
1908 -- Summer-Fall, Polio outbreak, MN --	13
1909 -- Polio (Acute), especially children (MN subset of 266 polio deaths nationwide) --	30
1910 -- Polio (Acute), especially children, MN --	97
1914 -- July-Dec, Polio (Acute), especially children, MN --	13
1915 -- Sep-Nov, Polio (Acute), especially children, MN --	25
1916 -- Diphtheria , especially children, MN --	170
1916 -- Polio (Acute), especially children (MN subset of ~6,700->7,000 US polio deaths)--	105
1917 -- Polio (Acute), esp. June-Sep, esp. children (MN subset, ≥1,182 U.S. polio deaths)--	18
1918 -- Typhoid Fever (MN subset of 9,100 U.S. typhoid fever deaths) --	88
1920 -- Diphtheria and Croup (MN subset of 13,395 such deaths, 34 registration states) --	247
1920 -- Jan-Dec, Influenza and Pneumonia , MN --	1,145-1,512
1920 -- Measles (MN subset of 7,712 measles deaths in 34 registration states) --	158
1920 -- Scarlet Fever (MN subset of 4,004 scarlet fever deaths in 34 registration states) --	116
1920 -- Smallpox (MN subset of 508 smallpox deaths in 34 registration states) --	17
1921 -- Polio (Acute) esp. late Summer-Fall (MN subset, 1,597 U.S. polio deaths) --	95
1927 -- Polio (Acute) esp. late Summer and Fall (MN subset, 2,013 U.S. polio deaths) --	31
1931 -- "Epidemic Cerebrospinal Meningitis ," ³⁵⁷ (MN subset, 2,832 meningitis deaths) --	43
1931 -- Diphtheria , especially children (MN subset, 5,738 U.S. diphtheria deaths) --	38
1931 -- Influenza (MN subset of 31,701 influenza deaths nationwide) --	548
1931 -- Polio , esp. July-Oct, (MN subset of 2,139-2,144 U.S. polio deaths, esp. children) --	69
1938 -- Oct 10-11, Forest Fires, Border area of Ontario (19) and MN (3) --	3
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (MN subset of 1,997 U.S. diphtheria deaths) --	10
1939 -- Influenza and Pneumonia (MN subset, 99,097 US influenza/pneumonia deaths) --	1,952

³⁵⁴ Twelfth (16 deaths), Fourteenth (12) and Fifteenth (18) Minnesota Vol. Infantry Regiments; 9 mil. deaths in MN.

³⁵⁵ Leading cause of death in Minnesota in 1900, with pneumonia second at 1,379 deaths.

³⁵⁶ This is for Duluth (29), Mankato (4), Minneapolis (74), St. Paul (36), and Winona (2).

³⁵⁷ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Select Other Minnesota Loss of Life Events (continued)

1939 -- Tuberculosis (MN subset of 61,609 tuberculosis deaths nationwide)	--	714
1939 -- Whooping Cough (MN subset of 3,026 whooping cough deaths nationwide)	--	23
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	7
1940 -- Influenza and Pneumonia (MN subset of 92,525 U.S. flu & pneumonia deaths)	--	1,771
1940 -- Polio (MN subset of 1,026 polio deaths nationwide)	--	23
1940 -- Tuberculosis (MN subset of 55,576 tuberculosis deaths nationwide)	--	681
1940 -- Whooping Cough (MN subset of 2,926 whooping cough deaths nationwide)	--	32
1940 -- Nov 7, Automobile and Gravel Truck Collide , all killed, Pipestone, MN	--	9
1944 -- Cerebrospinal Meningitis (2,812 U.S. cerebrospinal meningitis deaths), MN	--	42
1944 -- Influenza (MN subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	294
1944 -- Measles , especially Jan-June (MN subset of 1,923 measles deaths nationwide)	--	62
1944 -- Polio , the year, especially July-Nov (MN subset of 1,070 polio deaths nationwide)	--	37
1944 -- Tuberculosis (MN subset of 54,731 tuberculosis deaths nationwide)	--	693
1944 -- Whooping Cough (MN subset of 1,878 whooping cough deaths nationwide)	--	19
1946 -- Polio , especially July-Nov (MN subset of 1,845 polio deaths nationwide), MN	--	216
1948 -- Polio , especially children (MN subset of 1,895 polio deaths nationwide)	--	106
1949 -- Polio , especially July-Nov (MN subset of ~2,725 polio deaths nationwide)	--	114
1950 -- Measles , especially children (MN subset of 468 measles deaths nationwide)	--	10
1950 -- Polio , especially July-Nov (MN subset of 1,904 polio deaths nationwide)	--	21
1951 -- Polio , especially July-Nov (MN subset of 1,551-1,555 polio deaths nationwide)	--	41
1952 -- Polio , especially children, MN	--	188
1952 -- Nov 25-26, Winter Storm (subset of approximately 38 deaths nationwide)	--	5
1953 -- Polio (MN subset of 1,450 polio deaths nationwide)	--	90
1956 -- Dec 23, Fire, Xmas tree wiring short circuit, Doctors' Hosp. , Minneapolis, MN	--	7
1975 -- Dec 28, Fire, Breezy Point Inn , Island Lake, near Duluth, MN	--	6
1982 -- Jan 7-16, Winter Weather -- extreme cold and snowstorms	--	5-7
1994 -- Feb 8, Fargo ND Van hits Snowplow in Whiteout , I-94 near Alexandria, MN ³⁵⁸	--	7
1999 -- Jan 1, Fire, Hatfield family home (from LP gas heater in garage), Ceylon, MN	--	6
2005 -- Summer, Heat , MN	--	6
2012 -- Summer, Heat , MN	--	6

Breakout of **Minnesota** Large Loss of Life Events (10 or more fatalities) by Type:

- 13 -- **Tornadoes.**
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 65 in "Other.")
- 9 -- **Fires, structural.** (Plus four -- two with 7 fatalities each, and two with six.)
- 4 -- **Aviation.**
- 4 -- **Heat.** (Plus 4 years <10 deaths: 7 in 1939, 6 in 1980, 6 in 2005 and 6 in 2012 in "Other.")
- 4 -- **Maritime and Inland Waterways.**
- 4 -- **Mining/Quarrying.**
- 4 -- **Winter Storms.** (Plus two <10 deaths: 5 in Nov 25-26, 1952 and 5-7 Jan 7-16, 1982.)
- 3 -- **Explosions.**
- 3 -- **Fire, Forest/Wildfire.**

³⁵⁸ Cross-listed in North Dakota given that all seven fatalities were from North Dakota.

- 3 -- **Structural Failure.**
- 3 -- **Vehicular** (2007 bridge collapse cross-listed in structural failures; 9 in 1940, 7 in 1994.)
- 1-2 -- **Flooding** (one was a mine flood).
- 2 -- **Rail.** (Plus one with 5 fatalities in “Other.”)
- 2 -- **Violence.**
- 1 -- **Landslide.** (Cross-listed in Mining/Quarrying.)

MS

Mississippi

1.	1541 -- ~Mar 10, Hernando de Soto forces and “Chicasa” battle and “slaughter,” MS ³⁵⁹ -->20?	
2.	1729 -- Nov 28, Ft. Rosalie Massacre , French Colonists by Natives, Natchez MS --200-300	
3.	1809 -- May-Feb 1810 -- Disease/Illness, U.S. Army, MS	-- 656
4.	1817 -- Aug-Nov 15, Yellow Fever Epidemic, Natchez, MS	-- 134
5.	1819 -- Sep 4-Dec 1, Yellow Fever Epidemic, Natchez, MS	180-250
6.	1819 -- Jul 27, Hurricane, U.S. Firebrand grounds , ‘The Square Handkerchief,’ MS--39-41	
7.	1821 -- Sep 15-17, Hurricane , land/maritime (<i>Washington</i>) Bay St. Louis, MS region--	35
8.	1823 -- Feb 08, Steamboat Tennessee Snags , Miss. River, near Natchez, MS	-- > 60
9.	1823 -- Aug 12-Nov 1, Yellow Fever Epidemic, Natchez and vicinity, MS	-- ~337
10.	1825 -- May 05, Steamer Teche, explos. MS R., St. Catherines Creek, ~Natchez, MS --15-60	
11.	1825 -- Mid-Aug-Nov 1, Yellow Fever Epidemic, Natchez and Washington, MS	-- ~210
12.	1829 -- Fall, Yellow Fever Epidemic, Natchez, MS	-- 90
13.	1832 -- Oct-Nov, Cholera Outbreak, especially Vicksburg and Natchez, MS	--21-22
14.	1833 -- Steamship Caspian burns, near Mouth of Red River, MS	-- 40
15.	1837 -- May 08, Steamer Ben Sherrod explosion/fire , MS River, Fort Adams, MS --72-230	
16.	1837 -- Sep 8-Nov 25, esp. Oct, Yellow Fever Epidemic, Natchez, MS	-- 280
17.	1838 -- Apr 21, Steamer Oronoko Flue Collapse/Explos., MS River, Princeton, MS--100-130	
18.	1838 -- Dec 3, Augusta boiler explos. , MS Riv. between Natchez and Vicksburg, MS--	20
19.	1839 -- Sep-early Nov, Yellow Fever Epidemic, especially Natchez, MS ³⁶⁰	-- 433
20.	1840 -- May 07, Tornado , Natchez, MS, including Steamboat <i>Hinds</i>	-- >317
21.	1841 -- Fall, Yellow Fever Epidemic, especially Vicksburg and Warren County, MS ³⁶¹ --200	
22.	1843 -- Oct-Nov, Yellow Fever Epidemic, Rodney, MS(out of ~100 population)	-- 26
23.	1846 -- May 07, Tornado , Grenada, MS	-- 21
24.	1846 -- May 24, Steamer Queen City Boiler flue collapse/explosion , Natchez, MS	>10-26
25.	1846 -- Nov 21, Steamers Collide, Maria sinks , Miss. River, near Natchez, MS	--30-50
26.	1847 -- Sum-Fall, Yellow Fever , esp. Vicksburg, also Natchez, Rodney, Pass Christian--	>36
27.	1848 -- Nov 21, Steamboat Wyandotte snags/sinks , MS River, above Vicksburg MS --	30
28.	1849 -- Summer-Fall, Cholera , MS	-- 346
29.	1850 -- Spring, Cholera , MS	-- 183
30.	1851 -- Steamship Autocrat Collision , near Natchez, MS	-- 30
31.	1851 -- Jan 27, Steamboat John Adams snags/sinks , Miss. River, ~Greenville, MS-100-130	
32.	1851 -- Mar 2, Steamer Oregon boiler explosion/fire , Island No. 82, MS River, MS --18-60	
33.	1852 -- Jan 14, Steamer George Washington boiler explos./fire , Grand Gulf, MS	--16-30
34.	1852 -- Dec 14, Western World/H.R.W. Hill collide , MS Riv., Princeton Landing, MS--	12
35.	1853 -- Aug-Nov, Yellow Fever Epidemic, principally Natchez, MS ³⁶²	-- 350
36.	1854 -- Mar 27, Steamer Monroe hits log/sinks , MS Riv., just north of Natchez, MS --17-30	

³⁵⁹ 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.

³⁶⁰ Also Alexandria (105), Fort Adams (~20), Grand Gulf (~20), Natchitoches (~3), and Vicksburg (~50).

³⁶¹ A report of the time is that for about a two-week period, 8-10 died daily from yellow fever.

³⁶² Also Greenwood, Thibodaux, Woodville and Yazoo City.

Mississippi (continued)

37.	1854 -- Oct 06, Steamer <i>Princess</i> burns , Mississippi River, Fort Adams, MS	--	14
38.	1855 -- Yellow Fever , Cooper's Well, MS	--	13
39.	1860 -- Typhoid Fever (MS subset, 19,236 deaths in 38 "registration" States and DC)--	808	
40.	1860 -- Whooping Cough (MS subset of 8,408 whooping cough deaths nationwide)	--	368
41.	1860 -- May 09, Steamer <i>R.F. Sass Snags</i> , Miss. River, Clark's Bar, ~Glover, MS	--	17
42.	1860 -- Jun 03, Tornado Outbreak , Mid-Mississippi Valley, MS	--	150
43.	1862 -- Nov 05, Explosion, Munitions "Laboratory" Arsenal, Jackson, MS	--	~40-48
44.	1863 -- Aug 19, Steamer <i>City of Madison</i> ammunition explosion , Vicksburg, MS	--	50-163
45.	1864 -- Jun 10, Confederates kill captured black soldiers , Battle of Brice's Cross Roads, MS--	>20	
46.	1864 -- July 21, <i>B.M. Runyan</i> snags/sinks , MS River, Isl. 84, Gaines Landing, MS	--	50-150
47.	1865 -- Jun 3, Steamers <i>Poland</i> and <i>Idaho</i> collide , <i>Poland</i> Sinks, Yazoo River, MS	--	10-12
48.	1865 -- July 31, Steamer <i>Joseph Pierce</i> boiler explosion , Palmyra Landing, MS	--	12
49.	1865 -- Dec 09, Ferry Steamboat <i>De Soto</i> explosion , Pascagoula, MS	--	11
50.	1866 -- Feb 2, Steamer <i>W.R. Carter</i> boiler explos. MS R., Isl. 98 ~Vicksburg, MS	--	123-215
51.	1866 -- May 31, <i>City of Memphis</i> explodes/burns , MS River, off Buck Island, MS	--	11~60
52.	1867 -- Jan 17, Steamer <i>John Raine</i> burns , Mississippi River, Greenville, MS	--	59
53.	1867 -- Feb 17, Steamer <i>David White</i> boiler explosion , MS River, Pt. Chicot, MS	--	60-65
54.	1871 -- Jan 14, Steamboat <i>T.L. McGill</i> burns , Miss. River, Shoo-Fly Bar, MS	--	15-75
55.	1871 -- Mar 6-7 approximately, Racial Violence , Meridian, MS	--	25-30
56.	1873 -- ~May-July, Cholera , Hinds, Lauderdale, Marshall, Warren, Washington Co's--	58	
57.	1874 -- Dec 07, Violence-Massacre, Whites attack Blacks , Vicksburg, MS	--	50
58.	1875 -- Yellow Fever Outbreak , Pascagoula, MS	--	60
59.	1875 -- Sep 4-6, Racial/pol. violence , whites attack blacks, Clinton, Hinds Co., MS ³⁶³	--	37-57
60.	1878-Aug-Nov 16, Yellow Fev. >60 locales esp. Vicksburg/Greenville/Grenada/Holly Springs	--	>3,000
61.	1879 -- June-May 1880, "Malarial Fever," (MS subset, 20,231 such deaths U.S.)	--	1,029
62.	1880 -- Apr 25, Tornado , Macon, Noxubee County, MS	--	22
63.	1881 -- Apr 12, Tornado , F3, Tunica, Desoto Counties, MS	--	10
64.	1882 -- Apr 22, Tornado , Lawrence County, MS	--	10
65.	1882 -- Sep 30, Steamboat <i>Rob't. E. Lee</i> burns , Miss. River, Yucatan Landing, MS	--	25-30
66.	1883 -- Apr 22, Tornadoes , MS	--	81
67.	1886 -- Mar 17, Racial Hate Crime, Carrollton Massacre , Carrollton, MS	--	13
68.	1888 -- Dec 23, Steamer <i>Kate Adams</i> burns , MS River, Commerce Landing, MS	--	14-33
69.	1890 -- Nov 27, Steamer <i>T. P. Leathers</i> burns , Miss. River, Point Breeze, MS	--	17-19
70.	1891 -- Oct 29, Steamer <i>Oliver Beirne</i> fire , MS Ri., Millikens Bend, ~Vicksburg MS	--	15-19
71.	1893 -- Apr 12, Tornado , Tunica and Desoto Counties, MS	--	13
72.	1893 -- May 07, Steamer <i>Ohio</i>, steam flue bursts , Miss. River ~ Wolf Island, MS	--	13
73.	1893 -- Oct 1-2, Hurricane <i>Cheniere Caminanda</i> , primarily fishing vessels	--	50-59
74.	1896 -- May 10, <i>Harry Brown</i> boiler explosion , Miss. River ~Ursina Landing, MS	--	10
75.	1900 -- Typhoid Fever (MS subset of 35,379 typhoid fever deaths nationwide)	--	1,370
76.	1901 -- Aug 13-16, Hurricane , near Gulfport, MS	--	10
77.	1902 -- Sep 01, Excursion <i>Train Derailment</i> , Southern Railway, near Berry, AL ³⁶⁴	--	30
78.	1906 -- Mar 02, Tornado , Meridian, Lauderdale County, MS	--	23

³⁶³ Cross-listed in Political Violence. Majority of targets were Black men, in general, and Republican leaders.

³⁶⁴ Though the wreck was in Ala., this was a MS excursion train and the great majority of fatalities were from MS.

Mississippi (continued)

79.	1906 – Sep 27, Hurricane , especially MS Gulf Coast	--	78
80.	1906 -- Dec 19, Steamer <i>W.T. Scovell</i> boiler explosion , near Vicksburg, MS	--10-16	
81.	1908 -- Feb 14, Tornado , Mossville, Service and Soso, MS	--	6-10
82.	1908 -- Apr 24, Tornadoes (4), Marion, Lamar, Forest, Perry, Wayne, other Counties	--	155
83.	1909 -- Apr 6-7, Wind Storms/Tornadoes	--	10
84.	1909 -- Apr 29, Tornado , Horn Lake, Desoto County, MS ³⁶⁵	--14-20	
85.	1909 -- Sep 20-21, Grand Isle Hurricane , subset for MS	--	≥10
86.	1912 -- Mar-May, Flooding , Mississippi River, MS	--	200
87.	1913 -- Mar 21, Tornadoes (3), MS	--	14
88.	1913 -- May 02, Steamship <i>Concordia</i> founders , Tensas River, for Natchez, MS	--	22
89.	1913 -- July 21, Fire, Convict Cage, Oakley Convict Farm , Hinds County, MS	--	35
90.	1913 -- Sep 28, Mass Murder Shooting Spree , Lynching, Harriston, MS	--11-12	
91.	1913 -- Oct 19, Train Derailment , Buckatunna, MS	--	17
92.	1915 -- Sep 29-Oct 1, Hurricane , MS Coast	--	50
93.	1915 -- Dec 17, Tornado , Lauderdale and Kemper Counties, MS, Millport, AL	--	~10
94.	1916 -- Jun 05, Tornado , Vicksburg, Warren County & Jackson, Hinds County, MS	--	15
95.	1916 -- Jun 06, Tornado Hinds and Madison Counties, MS	--	13
96.	1918 -- Typhoid Fever (MS subset of 9,100 U.S. typhoid fever deaths)	--	599
97.	1918. Sep-Dec, 1920, Influenza and Pneumonia Epidemic, MS	--11,863	
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, MS	--6,219	
	1919 -- Jan-Dec, Influenza and Pneumonia, MS	--4,687	
98.	1919 -- Mar 16, Tornadoes , esp. Isola, Issaquena & Sharkey Cts., Moorehead, MS	--	36
99.	1920 -- Malaria (MS subset, 3,136 malaria deaths in 34 registration states & DC) ³⁶⁶	--	683
100.	1920 -- Smallpox (MS subset of 508 smallpox deaths in 34 registration states) ³⁶⁷	--	45
101.	1920 -- Apr 20, Tornadoes , MS	--	131
102.	1921 -- Apr 26, Tornado , Copiah, Simpson Counties, MS	--	15
103.	1923 -- Mar 15, Tornadoes , Tunica, Tate, Desoto, Quitman, Panola Co.'s, MS	--	17
104.	1924 -- May 26, Tornadoes , MS	--	30
105.	1925 -- May 08, US Steamer <i>Norman</i> Capsizes/Sinks , Miss. River, Coahoma, MS ³⁶⁸	--	23
106.	1927 -- Feb 17, Tornadoes , Warren, Covington, Jones, Jasper Counties, MS	--	14
107.	1927 -- Apr-May (esp.) Levee Breaks , flooding , drownings, MS River & Tributaries	--	42
108.	1929 -- Feb 25, Tornado , F4, Bolivar County, MS	--	19
109.	1931 -- Malaria (MS subset, 2,536 malaria deaths nationwide) ³⁶⁹	--	252
110.	1931 -- Summer, Heat Wave and excessive heat deaths (subset of 2,768 U.S. deaths)	--	11
111.	1933 -- Mar 31, Tornado outbreak, esp. Jones, Jasper, Clarke, Smith, Wash. Counties	--	56
112.	1936 -- Apr 05, Tornadoes , four counties, especially Tupelo, MS	--	224
113.	1937 -- Sep 25-Oct 24, Elixir Sulfanilamide medicine non-intentional poisoning	--23-24	
114.	1939 -- Influenza/Pneumonia (MS subset, 99,097 US influenza/pneumonia deaths)	--2,122	
115.	1939 -- Malaria (MS subset of 1,761 malaria deaths nationwide) ³⁷⁰	--	235

³⁶⁵ Part of outbreak taking 13-146 lives in AR, IL, MS, MO and TN.

³⁶⁶ In terms of large loss of life to malaria by State in 1920, Mississippi was first, followed by Louisiana with 586.

³⁶⁷ In terms of loss of life to smallpox by State in 1920, Mississippi was second, behind Louisiana with 167.

³⁶⁸ Cross-listed in Tennessee in that the majority of victims were from Memphis.

³⁶⁹ Mississippi tied with SC for third highest malaria mortality in 1931, behind Arkansas with 481 and GA with 305.

Mississippi (continued)

116.	1939 --	Whooping Cough (MS subset of 3,026 U.S. whooping cough deaths) ³⁷¹	--	155
117.	1940 --	Influenza/Pneumonia (MS subset of 92,525 US flu and pneumonia deaths)	--	1,906
118.	1940 --	Malaria (MS subset of 1,442 U.S. malaria deaths) ³⁷²	--	174
119.	1940 --	Whooping Cough (MS subset of 2,926 U.S. whooping cough deaths) ³⁷³	--	146
120.	1940 --	April 23, Rhythm Night Club fire/suffocation/trampling , Natchez, MS	--	209
121.	1942 --	March 16, Tornadoes , Baldwin and multiple counties, MS	--	75
122.	1943 --	Sep 05, USAAF B-17F Plane Crash , Lake Cormorant, MS	--	10
123.	1944 --	Aug 27, USAAF B-17G Plane Crash , 20M from Bay St. Louis, MS	--	10
124.	1945 --	Apr 11, Two USAAF TB-17F Planes Collide , near Jackson AAB, MS	--	14
125.	1945 --	June 14, USAAF C-46D Plane Crash /poor weather, near Oakridge, MS	--	17
126.	1947 --	Sep 17-19, Hurricane , MS (subset of 51 fatalities in FL, LA and MS)	--	22
127.	1948 --	Nov 05, Tornadoes , Madison, Yazoo, Tippah Counties, MS	--	10
128.	1950 --	Measles , especially children (MS subset of 468 U.S. measles deaths) ³⁷⁴	--	34
129.	1951 --	Jan 27-Feb 4, Cold Waves, Winter Storms , ice, sleet, snow, MS ³⁷⁵	--	10-16
130.	1953 --	Dec 05, Tornado , F4, Warren County, MS	--	38
131.	1955 --	Feb 01, Tornadoes , Tunica, DeSoto Counties, MS	--	23
132.	1958 --	Feb 26, Tornado Outbreak, MS	--	13
133.	1966 --	Mar 03, Tornado , Hinds, Rankin, Scott, Leake, Kemper Counties, MS	--	57
134.	1969 --	Jan 23, Tornado , Jefferson/Copiah/Simpson/Rankin/Smith/Scott counties MS	--	32
135.	1969 --	Aug 17-18, Hurricane Camille , esp. Harrison Co., also Hancock, Jackson	130-172	
136.	1971 --	Feb 21, Tornadoes , Mississippi Delta, MS	--	109
137.	1978 --	Dec 09, Fire, Mental Hospital , Ellisville, MS	--	15
138.	1980 --	June-Aug (esp.), Heat , esp. counties of Washington/17 and Grenada/10, MS	--	135
139.	1981 --	June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	11
140.	1982 --	Nov 8, Fire (intentionally set by inmate), Harrison County Jail , Biloxi, MS	--	29
141.	1983 --	Summer Heat , esp. July, deaths in 8 counties, esp. Bolivar/3; US/597)	--	11
142.	1984 --	April 21, Tornadoes , especially Water Valley (7-8) and Philipp (5), MS	--	15-16
143.	1986 --	Summer Heat , MS (subset of >400 U.S. heat-related fatalities)	--	23
144.	1987 --	Summer Heat , MS subset of approximately 388 U.S. heat deaths	--	10
145.	1988 --	Summer especially, Heat , MS	--	10
146.	1989 --	June-Aug (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia	--	10
147.	1990 --	Summer esp., Heat , ICD-9 E900 excessive heat and hyperthermia code	--	14
148.	1992 --	Summer Heat , esp. July-Aug (MS subset of 155 U.S. heat deaths)	--	10
149.	1992 --	Nov 21-22, Tornado Outbreak, esp. Rankin County (10 deaths), MS	--	15
150.	1995 --	Summer Heat (MS subset of 1,563-1,601 U.S. heat-related deaths)	--	15
151.	1998 --	Summer especially, Heat (MS subset of 435 U.S. heat-related deaths)	--	12
152.	1999 --	Summer especially, Heat (MS subset of 1,050 U.S. heat-related deaths)	--	10
153.	2000 --	Spring-Summer, Heat (MS subset of 301 U.S. heat-related deaths)	--	16

³⁷⁰ In terms of large loss of life to malaria by a State in 1939, MS was 2nd behind Arkansas with 265 deaths.

³⁷¹ In terms of large loss of life to whooping cough in a State, MS was 4th behind TX at 250, KY/178, and LA at 150.

³⁷² In terms of large loss of life to malaria by a State in 1940, MS was 4th behind AL/204, TX/177, and AR at 176.

³⁷³ In terms of large loss of life to whooping cough by a State, MS was 4th behind TX/250, KY/178, and LA at 150.

³⁷⁴ Largest loss of life to measles in a State in the U.S. in 1950 – second was Kentucky with 30.

³⁷⁵ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

Mississippi (continued)

154.	2005 -- Summer especially, Heat , MS	-- 12
155.	2005 -- Aug 29, Hurricane Katrina, MS Coast, esp. Hancock, Harrison, Jackson Co's.-238	
156.	2006 -- Summer, Heat , MS	-- 12
157.	2007 -- Summer, Heat , e.g. Mt. Olive, Ocean Springs, Oxford, Rolling Fork, Wiggins--	11
158.	2009 -- Especially Fall/Winter, H1N1 "Swine Flu" (MS subset, over 12,000 U.S.) --22-26	
159.	2010 -- Apr 24, Tornado , Central MS (Choctaw, Holmes and Yazoo County deaths)--	10
160.	2010 -- July 29-Aug 5, Heat , Bolivar, Harrison, Jackson, Jefferson, Monroe, Panola Pontotoc, Wash. Co.'s -11	
161.	2011 -- Summer Heat (MS subset of 719-725 U.S. heat-related deaths)	-- 14
162.	2011 -- Apr 27, Tornadoes , especially Counties of Monroe (Smithville) and Clarke --	35
163.	2012 -- Summer Heat (MS subset of 598 U.S. heat-related deaths)	-- 10
164.	2014 -- Apr 28, Tornado outbreak, especially Winston County (and 4 other counties)--	14
165.	2015 -- Dec 23, Tornado fatalities, Benton (6), Coahoma, Marshall, Tippah counties--	10
166.	2017 -- July 10, USMC KC-130 (NY Reserve) crash, with Sp. Ops team, Leflore Co., MS--16	

Mississippi Select Other Loss of Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths --	428
1860 --	Measles (MS subset of 3,900 US measles deaths – much higher than State avg.) --	180
1860 --	Scarlet Fever (MS subset of 26,402 scarlet fever deaths, 38 Census States/DC) --	348
1870 --	Croup (MS subset of 10,692 croup deaths nationwide)	-- 281
1870 --	Measles (MS subset of 9,237 measles deaths nationwide)	-- 272
1870 --	Tuberculosis (Consumption) (Miss. Subset of ~70,000 TB deaths nationwide)	-- 695
1870 --	Typhoid Fever (MS subset of 22,187 typhoid fever deaths nationwide)	-- 333
1870 --	Whooping Cough (MS subset of 9,008 whooping cough deaths nationwide)	-- 159
1879 --	June-May 1880, Tuberculosis (MS subset of 91,270 TB deaths nationwide)	--1,310
1898 --	Typhoid Fever (subset of 3071 deaths), First & Second MS Vol. Inf., US camps --	46
1900 --	Tuberculosis (20,252 MS deaths all causes) (109,750 US tuberculosis deaths)	--2,129
1910 --	Polio Outbreak, especially children, MS	-- 18
1912 --	May 06, Train Derailment (poorly maintained roadbed) near Eastabuchie, MS --	9
1916 --	Diphtheria , especially children	-- 141
1916 --	Polio , especially children, Statewide, MS	-- 31
1920 --	Diphtheria and Croup (MS subset, 13,395 such deaths in 34 registration states)	-- 284
1920 --	Influenza and pneumonia , MS	-- 957
1920 --	Measles (MS subset of 7,712 measles deaths in 34 registration states)	-- 18
1920 --	Scarlet Fever (MS subset of 4,004 scarlet fever deaths in 34 registration states)	-- 24
1920 --	Typhoid Fever (MS subset of 6,805 typhoid fever deaths in 34 registration states)--	333
1920 --	Whooping Cough (MS subset, 10,968 whooping cough deaths in 34 reg. states)	-- 157
1921 --	Polio (Acute) esp. late Summer-Fall (MS subset, 1,597 U.S. polio deaths)	-- 17
1927 --	Polio (acute) esp. late Summer and Fall (MS subset, 2,013 U.S. polio deaths)	-- 20
1931 --	"Epidemic Cerebrospinal Meningitis," ³⁷⁶ (MS subset, 2,832 US meningitis deaths)--	35
1931 --	Diphtheria , especially children (MS subset, 5,738 U.S. diphtheria deaths)	-- 238
1931 --	Influenza (MS subset of 31,701 influenza deaths nationwide)	-- 540
1931 --	Polio , esp. July-Oct, (MS subset of 2,139-2,144 U.S. polio deaths, esp. children)	-- 15

³⁷⁶ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1937 -- Jan 5-Feb 15 (generally), Flooding , OH and MS River Valley areas	--	6
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (MS subset of 1,997 U.S. diphtheria deaths)	--	58
1939 -- Tuberculosis (MS subset of 61,609 tuberculosis deaths nationwide)	--	1,035
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	9
1940 -- Tuberculosis (MS subset of 55,576 tuberculosis deaths nationwide)	--	1,015
1941 -- Measles , especially children (MS subset of 2,279 U.S. measles deaths)	--	69
1944 -- Influenza (MS subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	594
1944 -- Measles , especially Jan-June (MS subset of 1,923 measles deaths nationwide)	--	24
1944 -- Tuberculosis (MS subset of 54,731 tuberculosis deaths nationwide)	--	831
1944 -- Whooping Cough (MS subset of 1,878 whooping cough deaths nationwide)	--	94
1951 -- Polio , especially July-Nov (MS subset of 1,551-1,555 polio deaths nationwide)	--	37
1953 -- Polio , especially children (MS subset of 1,450 polio deaths nationwide)	--	10
1959 -- Jan 05, Fire, residential, coal-burning stove , Winstonville, Bolivar Co., MS	--	6
1963 -- Dec 23, USAF B-52 Stratofortress Crash after takeoff, Columbus AFB, MS	--	9
1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228	--	6
1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227	--	9
1986 -- Measles (ICD-9 055 code; subset of 3 US measles deaths in 1986)	--	1
1988 -- June 08, Air Nat. Guard C-130 Crash , touch-and-go-landing, Greenville, MS	--	6
1989 -- June 26-28, Tropical Storm Allison , MS	--	5
2002 -- May 16, Fire and rubber dust explosion , Rouse Polymerics, Vicksburg, MS	--	5

Breakout of **Mississippi** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 40 -- **Tornadoes** (One is cross-listing in windstorms, as there is ambiguity as to status).
- 38 -- **Maritime and Inland Waterways**. (Including cross-listing of one in Hurricanes.)
- 36 -- **Disease**, select communicable, especially epidemics. (Plus 36 in "Other.")
- 20 -- **Heat**. (Plus 2 years <10 deaths: 6 in 1984 and 9 in 1985.)
- 10 -- **Hurricanes/Tropical Storms**. (Plus one with 5 fatalities in "Other.")
- 8 -- **Violence**.
- 5 -- **Aviation**. (Plus two – one with 9 and one with 6 fatalities in "Other.")
- 4 -- **Fire, Structural**. (Plus one with 6 deaths in "Other.")
- 2 -- **Flooding**.
- 2 -- **Rail**. (Plus one with 9 deaths in "Other.")
- 1 -- **Structural Failure (Dam/Levee)**
- 1 -- **Explosion**. (Plus one event >10 deaths: 5 in 2002.)
- 1 -- **Poisoning (non-intentional)**
- 1 -- **Wind and high-wind thunder storms**. (Cross listed in Tornado)
- 1 -- **Winter Weather/Cold**. (Plus 1-6 deaths Jan 11-17, 1982.)

MO

Missouri

1.	1797 -- Yellow Fever Outbreak, New Design, MO	-- 57
2.	1780 -- May 26, Violence, Massacre of settlers near St. Louis, MO	-- ~20
3.	1811 -- Dec 16-Feb 7, 1812, New Madrid Earthquakes , MO	-- >139
4.	1831 -- May 14, Steamboat Coosa sinks , collision with <i>Huntress</i> , Caruthersville, MO--	13
5.	1832 -- Oct 9-Nov, Cholera Epidemic, St. Louis, MO	-- ~200
6.	1833 -- Cholera Epidemic, especially St. Charles and Palmyra, MO	-- 70
7.	1834 -- Aug, Cholera , Jackson County, MO	-- 17
8.	1835 -- June, Cholera , Palmyra (17), also Natchez and St. Louis	-- 19
9.	1837 -- July 28, Sidewheel Chariton boiler explosion , St. Louis, MO	-- 12
10.	1840 -- Apr 25, Bedford snags , mouth of MO Riv. ~Mobile Is. or Cora Is. Chute MO --	15
11.	1841 -- Aug 29, Steamboat Keokuk snags , Miss. River, St. Genevieve Island, MO	--11-13
12.	1842 -- July 3, Steamboat Edna flues collapse , near Mouth of Missouri River, MO	-- 55
13.	1844 -- Jan 03, Steamer Shepherdess snags/sinks , MS Riv., 3M No. St. Louis MO	--57-100
14.	1847 -- Nov 19, <i>Talisman</i> collides <i>Tempest</i> , sinks, MS Ri., Cape Girardeau, MO	--40-100
15.	1849 -- Jan-Dec, Cholera Epidemic, St. Louis, MO	--4,283-4,568
16.	1849 -- May 17, Fire, 27 Boats , much of Wharf & Business District, St. Louis, MO	-- 3-20
17.	1850 -- Jan-Dec, Cholera Epidemic, St. Louis, MO	--883-953
18.	1850 -- May 23, Steamboat St. Louis flue collapse , Jefferson Barracks, MO	--10-12
19.	1851 -- Cholera , esp. St. Louis; also Independence, Jefferson City/Barracks/Weston, etc.	955
20.	1851 -- Feb 20, Sidewheel Ferry St. Louis boiler explosion , St. Louis, MO	-- 20
21.	1852 -- Cholera Epidemic, esp. St. Louis, Independence, Kansas City, Westport, MO	-- 910
22.	1852 -- Apr 03, Steamboat Glencoe boiler explosion , St. Louis, MO	--60-83
23.	1852 -- Apr 09, Steamboat Saluda boiler explosion , Missouri Riv., Lexington, MO--	37-135
24.	1852 -- Aug 22, Doctor Franklin No. 2, flue collapse , near Ste. Genevieve, MO	-- 32
25.	1854 -- Cholera , Herman, Independence, and especially St. Louis, MO	--1,774-1,784
26.	1854 -- Feb 16, Steamboat Kate Kearney boiler explosion , St. Louis, MO	-->9-15
27.	1854 -- May 12, Steamer Pike snags and sinks , Big Eddy, Wilkinson's Landing, MO--	10-11
28.	1854 -- July 4-10, Heat , excessive heat and sunstrokes, St. Louis, MO	-- 22
29.	1854 -- Aug 7-8, Voting Riots, Nativist "Know Nothings" vs. Irish , St. Louis, MO	-- 10
30.	1854 -- Aug 26, Steamer Timour No. 2, boiler explosion , near Jefferson City, MO	--17-20
31.	1855 -- Apr-Jul, Cholera , esp. Georgetown, Jefferson Barracks, St. Louis, Westport, MO--	121
32.	1855 -- Nov 01, Bridge Failure Under Excursion Train , Gasconade, MO	--20-31
33.	1857 -- Oct 15, Steamer Tropic snagged , Missouri River, near Waverly, MO	-- 8-15
34.	1857 -- Nov 17, Cataract mud drum explosion , Missouri River, Lisbon, MO	--12-15
35.	1858 -- Feb 20, Fire, Pacific Hotel , St. Louis, MO	--21-30
36.	1858 -- Apr 02, Steamer Sultan fire , Mississippi River, near St. Genevieve, MO	-- 23
37.	1858 -- Apr 22, Steamer Ocean Spray fire (Racing), Miss. River, ~St. Louis, MO	--10-23
38.	1860 -- Croup (contagious upper airway viral infection), subset 15,188 US croup deaths--	1,101
39.	1860 -- Measles (MO subset of 3,900 measles deaths nationwide) ³⁷⁷	-- 247
40.	1860 -- Whooping Cough (MO subset of 8,408 whooping cough deaths nationwide)	-- 351
41.	1861 -- May 10, Camp Jackson Affair, Union German unit kills Civilians, St Louis, MO--	>28
42.	1862 -- Oct 18, Unionist disappears, Union Col. executes Reb. prisoners, Palmyra, MO--	10
43.	1864 -- Feb 17, Steamboat Orient snags , upper Mississippi River, Commerce, MO	-- 14

³⁷⁷ In terms of loss of life to measles by State in 1860, MO was 3rd behind NY with 746 and OH with 448.

Missouri (continued)

44.	1864 -- Jul 21, B.M. Runyan snags/sinks , MS Riv., Isl. 84, Gaines Landing. MS ³⁷⁸	-- >25
45.	1864 -- Sep 27, Train Robbery/Massacre , Bill Anderson/Jesse James, Centralia, MO-22-27	--
46.	1865 -- Jun 9~, SS Kentucky snags/sinks , Red River, Tow Head Isl. ~Shreveport LA ³⁷⁹	--≤30
47.	1866 -- Cholera Outbreak, St. Louis, MO	--8,500
48.	1867 -- June-Dec, Cholera Outbreak, St. Louis, MO	-- 684
49.	1868 -- July 12-18, Heat , St. Louis, MO	-- 34
50.	1869 -- Oct 27, Steamer Stonewall fire , Mississippi River, Tea Table Bar, MO	--125-209
51.	1870 -- Diphtheria (MO subset of 6,303 diphtheria deaths nationwide) ³⁸⁰	-- 356
52.	1870 -- Measles (MO subset of 9,237 measles deaths nationwide) ³⁸¹	-- 860
53.	1870 -- Scarlet Fever , especially children (MO subset of 20,339 deaths nationwide) ³⁸²	--1,049
54.	1870 -- Smallpox (State subset of 4,597 smallpox deaths nationwide) ³⁸³	--1,034
55.	1870 -- Typhoid Fever (MO subset of 22,187 typhoid fever deaths nationwide) ³⁸⁴	--1,395
56.	1870 -- Whooping Cough (MO subset of 9,008 whooping cough deaths nationwide)	-- 384
57.	1870 -- May 12, Train Collision , Missouri Pacific RR, near Eureka, MO	-- 25
58.	1871 -- July 25, Trains Collide , Toledo and Wabash Railroad, 16M ~St. Louis, MO	-- 8-10
59.	1872 -- May-Dec, Smallpox , St. Louis, MO	--1,600
60.	1873 -- May-Sep, Cholera , esp. Jul-Sep, esp. St. Louis and 12 counties in MO	--1,022
61.	1877 -- Apr 11, Fire, Southern Hotel , St. Louis, MO	--16-21
62.	1878 -- Yellow Fever , especially New Design and St. Louis, MO	-- 103
63.	1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 US croup deaths)--	917
64.	1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	-- 639
65.	1879 -- June-May 1880, " Malarial Fever ," (MO subset, 20,231 US "MF" deaths)	--1,563
66.	1879 -- June-May 1880, Measles , esp. children (MO subset, 8,254 U.S. measles deaths)--	666
67.	1879 -- June-May 1880, Meningitis (MO subset of 7,481 U.S. meningitis deaths) ³⁸⁵	-- 282
68.	1879 -- June-May 1880, Typhoid Fever (MO subset of 23,339 U.S. Typhoid deaths)	--1,214
69.	1879 -- June-May 1880, Whooping Cough (MO subset, 11,064 U.S. wh. cough deaths)--	416
70.	1880 -- Apr 18, Tornado Outbreak, particularly Marshfield, MO	-- 152
71.	1882 -- Smallpox , especially Seneca (~50) and St. Louis (81, Jan-May 13)	-- ~134
72.	1882 -- Apr 19, Tornado , F3, Petits and Saline Counties, MO	-- 11
73.	1886 -- May 11, Wind Storm , Kansas City, MO	-- 32
74.	1886 -- Oct 05, Steamer La Mascotte flue collapse and fire , Neely's Landing, MO	-- 34
75.	1887 -- Nov 01, Explosion/Fire, Newman's Grocery Store/Tenement , St. Louis, MO	-- 8-10
76.	1888 -- Mar 29, Coal Mine Explosion , Keith & Perry No. 6, Rich Hill, MO	-- 24
77.	1892 -- Jan 19, Train hits Clover Fishing Club Sleighing party , St Louis, MO ³⁸⁶	-- ~10
78.	1893 -- Apr 11, Tornado , Dent and Crawford Counties, MO	-- 12

³⁷⁸ This is cross-listed in MO in that the *Runyan* was carrying 430-440 members of the 10th Missouri Cavalry back home. Of the 50 to 150 lives lost, it is reported that about half were from this cavalry unit.

³⁷⁹ Listed herein because most of the fatalities were paroled MO Confederate soldiers returning home.

³⁸⁰ In terms of loss of life to diphtheria by State in 1870, MO was 5th behind NY/864, PA/702, IL/603, and OH/474.

³⁸¹ In terms of loss of life to measles by State in 1870, MO was 2nd behind NY with 1,073 deaths.

³⁸² In terms of loss of life to scarlet fever by State in 1870, MO was 4th behind PA/5,645, NY/3,403, and IL/2,102.

³⁸³ MO led the nation in smallpox deaths in 1870, followed by Louisiana with 925 and New York with 582.

³⁸⁴ In terms of loss of life to typhoid fever by State in 1870, MO was 4th behind NY/2,029, PA/1,898, and IL/1,758.

³⁸⁵ In terms of loss of life to meningitis by State, MO was 5th behind KY/350, NY/314, PA/305, and TN/296 deaths.

³⁸⁶ Cross-listed in Rail.

Missouri (continued)

79.	1895 -- Mar 28-Jun 15, Smallpox Outbreak, St. Louis, MO	--	18
80.	1895 -- July 6, Storms, Flooding , especially Winona and Thomasville, MO	--	23
81.	1896 -- May 27, Tornadoes , especially St. Louis, MO	--	137
82.	1896 -- Jul 30-Aug 12, Heat , esp. Heat Prostration and Sunstrokes, esp. St. Louis, MO--	57	
83.	1898 -- July 8, Cloudburst, Flash Flood , Steelville and vicinity, MO	--	19
84.	1899 -- Apr 27, Tornado , Kirksville and Newtown, MO	--	63
85.	1900 -- Typhoid Fever (MO subset of 35,379 typhoid fever deaths nationwide) ³⁸⁷	--	1,790
86.	1900 -- Aug 1-18, Heat , St. Louis, MO	--	91
87.	1901 -- June-July (esp.), Heat Waves , esp. St. Louis (subset of 4,012 US heat deaths)	--	240
88.	1901 -- July 10, Trains Collide head-on, Chicago & Alton Road, ~Norton, MO	--	21-23
89.	1901 -- Oct 19-Nov 7, Tetanus tainted (horse blood) diphtheria antitoxin , St Louis, MO-13		
90.	1902 -- Feb 09, Fire, Empire Hotel lodging house , Olive Street, St. Louis, MO	--	11
91.	1903 -- May 16-June 1, Flooding , lower MO and upper MS, esp. Kansas City, MO	--	200
92.	1904 -- Oct 09, Train Collision , Freight and Passenger, near Warrensburg, MO	--	27-29
93.	1905 -- Oct 30, Atchison, Topeka & Santa Fe Train Derails near Kansas City, MO	--	13
94.	1909 -- Apr 29, Tornadoes , Barry, Oregon, Stone and Texas Counties, MO	--	19
95.	1909 -- Aug 9-17, Heat , especially Kansas City, St. Joseph, and St. Louis, MO	--	26
96.	1910 -- May 11, Steamer City of Saltillo Grounds on Rock , Sinks, Glen Park, MO	--	12
97.	1911 -- Jul 2-8, Heat , especially St. Louis, MO	--	28-29
98.	1912 -- Feb 18-June 8, Meningitis Outbreak, especially Kansas City, MO	--	186
99.	1914 -- Mar 8, Fire , wall fall (17 th) Missouri Athletic Club (Lodging), St. Louis, MO ³⁸⁸	--	37
100.	1914 -- Aug 05, Trains Collide , Tipton Ford, MO	--	43
101.	1914 -- Sep 15, Train Derailment , Lebanon, MO	--	28
102.	1915 -- Aug 20, Flooding , St. Louis and vicinity, MO	--	10
103.	1916 -- Apr 19, Tornadoes , Bourbon Ct., KS; Six Counties in MO	--	11
104.	1916 -- Jun 05, Tornadoes (2), Stoddard, New Madrid and Scott Counties, MO	--	14-30
105.	1916 -- July 27-Aug 6, Heat , especially, St. Louis, MO	--	46
106.	1916 -- Oct 05, Fire, Christian Brothers College , St. Louis, MO	--	10
107.	1917 -- May 30, Tornadoes (8), MO	--	64
108.	1917 -- June 05, Tornadoes , Cooper/Boone/Audrain/Wright/Ray/Carroll Counties MO--	34	
109.	1918 -- 1919, Influenza and pneumonia epidemic , MO	22,177-22,721	
	1918 -- Jan-Dec, Influenza and pneumonia epidemic, MO	--	15,173-15,727
	1919 -- Jan-Dec, Influenza and pneumonia epidemic, MO	--	7,004
110.	1918 -- Sep 17, Trains Collide , near Marshfield, MO	--	15
111.	1919 -- Sep 13, Dust Explosion , Grain Elevator, Kansas City, MO	--	14
112.	1920 -- Diphtheria & Croup (MO subset, 13,395 such deaths, 34 registration states) ³⁸⁹	--	645
113.	1920 -- Jan-Dec, Influenza and pneumonia , MO	--	4,021
114.	1922 -- Aug 05, Trains Collide , Missouri Pacific Railroad, Sulphur Springs, MO	--	34
115.	1925 -- Mar 18, Tri-State Tornado , MO	--	11
116.	1927 -- Polio , esp. late Summer and Fall (MO subset of 2,013 U.S. polio deaths) ³⁹⁰	--	81

³⁸⁷ In terms of loss of life to typhoid fever by State, MO was 4th behind PA with 2,779, TX/2,013, and OH at 1,795.

³⁸⁸ Thirty fatalities from the March 8th fire and 7 fatalities from the March 17th Missouri Athletic Club wall fall.

³⁸⁹ 5th highest state fatalities; 4th highest state death rate (18.9 per 100,000); St. Louis had death rate of 31.0.

³⁹⁰ Six States had more total polio deaths: CA/230, MA/170, OH/165, NY/129, IL/127, and PA with 100.

Missouri (continued)

117.	1927 -- May 08, Tornadoes , MO	-- 12
118.	1927 -- May 09, Tornadoes , MO	-- 93
119.	1927 -- Sep 29, Tornado , St. Louis City and County, MO ³⁹¹	-- 73
120.	1928 -- Apr 13, Explosion/Bldg. Collapse/Fire , Bond Dance Hall, West Plains, MO	-37-40
121.	1930 -- May 08, Gas Explosion , Armour Meat Processing Plant, St. Joseph, MO	-- 19
122.	1931 -- Measles , especially children (MO subset, 3,576 U.S. measles deaths) ³⁹²	-- 272
123.	1931 -- Summer, esp. June 18-July 2, Heat , esp. St. Louis metropolitan area	-- 201
124.	1934 -- July-Aug 2-13, Heat , esp. St. Louis, MO (subset of 1,683 nationwide)	-- 455
125.	1936 -- July-Aug, Heat , especially greater St. Louis area, MO	-- 479
126.	1937 -- Jan 5-Feb 15 (generally), Flooding , OH and MS River Valley areas	-- 49
127.	1937 -- Jan 30, WPA Worker Barge Sinks , Birds Pt./New Madrid Spillway, MO ³⁹³	-26-30
128.	1938 -- Mar 15, Tornado , Greene Co., AR; Dunklin, Pemiscot Counties, MO	-- 10
129.	1939 -- Influenza & Pneumonia (MO subset, 99,097 U.S. flu & pneumonia deaths)	--3,521
130.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 37
131.	1940 -- Influenza & Pneumonia (MO subset, 92,525 U.S. flu & pneumonia deaths)	--3,635
132.	1943 -- Aug 1, US Army Air Force CG-4 Glider Demo Flight Crash , St. Louis, MO	-- 10
133.	1943 -- Sep 05, Plane Crash, USAAF C-53D Skytrooper , near Sedalia, MO	-- 11
134.	1946 -- Jan 27, Fire, Apartment Building/Rooming House , Kansas City, MO	-- 11
135.	1947 -- Apr 02, Explosion and fire Lawrence Brown Fireworks Plant, Clinton, MO	-- 12
136.	1947 -- Aug 3-7, Heat , especially St. Louis, MO	-- 57
137.	1948 -- Jan 01, Missouri Pacific Trains Collide , near Otterville and Syracuse, MO	-- 14
138.	1949 -- Polio , especially July-Nov (MO subset of ~2,725 U.S. polio deaths)	--129-133
139.	1952 -- March 21, Tornadoes , Pemiscot County, MO	-- 17
140.	1952 -- Oct 31, Fire, Cedar Grove Nursing Home , Hillsboro, MO	-- 20
141.	1955 -- Mar 20, Plane Crash (Approach), American Air #711 , Springfield, MO	-- 13
142.	1955 -- Aug 04, Plane fire/crash, American Air Flight 476 , Fort Leonard Wood, MO	-- 30
143.	1956 -- July 30, Fire, Reagan Nursing Home , Puxico, MO	-- 12
144.	1957 -- Feb 17, Fire, Katie Jane Nursing Home , Warrington, MO	-- 72
145.	1957 -- May 20, Tornado , Kansas City Suburbs, Jackson County, MO	-- 37
146.	1957 -- May 21, Tornadoes , Shannon/Carter/Washington/St. Francis Counties MO	-- 15
147.	1959 -- Feb 10, Tornado , St. Louis City and County, MO	-- 21
148.	1962 -- May 22, Continental Flight 11 Blown-Up over Unionville, MO	-- 45
149.	1963 -- Feb 23, Home Fire (Paul Saville family--wife, 8 children), Morehouse, MO	-- 10
150.	1966 -- July, Heat , St. Louis greater metropolitan area, MO	--246-618
151.	1968 -- Feb 16, Arson Fire, Randolph Tavern , 107 W. Reed Street, Moberly, MO	-- 12
152.	1969 -- Jun 03, Fire, Apartment House , Kansas City, MO	-- 12
153.	1973 -- Jul 23, Plane Crash, Ozark Air Lines , Hit by Downburst, St. Louis, MO	-- 38
154.	1977 -- Sep 13, Flash Flood , "The Plaza Flood." Kansas City, MO	-- 25
155.	1978 -- Jan 28, Fire, Coates House Hotel , Kansas City, MO	-- 20
156.	1979 -- April 2, Wayside Inn Boarding Home/Care Facility Fire , Farmington, MO	-- 25
157.	1980 -- Summer, Heat , esp. greater St. Louis (~153) and Kansas City (~176)	--295-311

³⁹¹ In addition 6 people died in Madison County, IL. (Grazulis 1993, 496)

³⁹² MO had the third highest loss of life to measles in the nation in 1931, behind PA (442) and IL (357).

³⁹³ The death-toll noted here is also included I the Jan 5-Feb 15 Ohio River Valley flooding noted above.

Missouri (continued)

158.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	12
159.	1981 -- July 17, Walkway Collapse , Hyatt Regency Hotel, Kansas City, MO	--	114
160.	1983 -- Summer Heat , esp. July 15-31, Heat , especially St. Louis area, MO	--	69-70
161.	1986 -- Summer Heat , MO (subset of >400 U.S. heat-related fatalities)	--	14
162.	1987 -- Summer Heat , MO subset of approximately 388 U.S. heat deaths	--	25-28
163.	1988 -- Aug 1-16, Heat , St. Louis (subset of 911-919 U.S. heat-related deaths)	--	42-44
164.	1989 -- Summer, Heat , MO	--	~18
165.	1990 -- Summer, Heat , MO	--	~12
166.	1991 -- Summer, Heat , MO	--	13
167.	1993 -- July 1-early Nov, Mid-West Floods , MO	--	49
168.	1994 -- Summer esp., Heat , esp. St. Louis (MO subset of 221 U.S. heat deaths)	--	14
169.	1995 -- July 11-17 (esp.), Aug 9-24, Heat , especially St. Louis metro area, MO	--	58
170.	1998 -- Summer, Heat , especially St. Louis County	--	11
171.	1998 -- Oct 4, Flash Flooding , Kansas City area (11) and south St. Joseph, MO (1)	--	12
172.	1999 -- Summer (esp. mid-late July), Heat , esp. greater St. Louis & Jackson Co., MO	--	92
173.	2000 -- Jan 23, Icy-road, Multi-vehicle Collision/Fire , I-29 near Platte City, MO	--	10
174.	2000 -- July-Sep 3 esp., Heat , esp. St. Louis, MO (subset of 301 U.S. fatalities)	--	22
175.	2001 -- Summer, Heat , especially St. Louis, MO (subset of 344 U.S. fatalities)	--	40
176.	2002 -- Summer, Heat , especially greater St. Louis, MO (subset of 400 U.S. deaths)	--	27
177.	2003 -- May 4, Tornadoes , esp. Billings, Decaturville, Jerico Springs, Pierce City, MO	--	19
178.	2003 -- July-Aug, Heat , especially Jackson County and St. Louis, MO	--	17
179.	2004 -- Oct 19, Plane crash, Corporate Airlines (N875JX), Kirksville, MO	--	13
180.	2005 -- Summer, Heat , MO	--	25
181.	2006 -- July-Aug 7, Heat , especially St. Louis City/County, also 5 other counties	--	25
182.	2006 -- Nov 27, Fire, Anderson Guest House (elderly/mentally-impaired), Anderson	--	11
183.	2006 -- Nov 29 (late) -- Dec 1 -- Winter Storm , especially St. Louis, MO	--	11
184.	2007 -- July-Aug, Sep 13, Heat , especially St. Louis Metropolitan area, MO	--	34
185.	2008 -- May 10, Tornadoes , Carthage, Fairview, Purdy, esp. Racine vicinities, MO	--	15
186.	2008 -- June-Aug especially, Heat (MO subset of ~312 heat deaths nationwide)	--	10
187.	2009 -- June-Aug especially, Heat (MO subset of 257 heat deaths nationwide)	--	11
188.	2009 -- Especially Fall/Winter, H1N1 "Swine Flu" (MO subset, over 12,000 U.S.)	--	8-17
189.	2010 -- June-Aug especially, Heat , especially greater St. Louis	--	26
190.	2011 -- May 22, Tornado , Joplin, MO	--	159-163
191.	2011 -- Summer, Heat , especially Kansas City and St Louis areas, MO	--	52
192.	2012 -- June-Aug esp., Heat , especially elderly, especially greater St. Louis, MO	--	52
193.	2013 -- Summer, Heat , MO	--	14
194.	2014 -- Summer Heat , MO	--	11
195.	2015 -- Summer Heat , (subset of 339 US heat deaths)	--	10
196.	2015 -- Dec 26-27, Flooding , esp. Pulaski county (7), six other counties	--	15

Missouri Select Other Loss of Life Events:

1801-1802 -- Smallpox , Native Americans ³⁹⁴	--	?
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Missouri Select Other Loss of Life Events (continued)

1860 -- Scarlet Fever (MO subset of 26,402 deaths in 38 Census States & DC	--	896
1860 -- Smallpox (MO subset of 1,263-1,271 smallpox deaths in reporting States)	--	19
1860 -- Tuberculosis ("consumption") (MO subset of 49,082 death nationwide) ³⁹⁵	--	1,302
1861 -- Sep 23, Free-state Unionist Jayhawker guerrillas sack and burn Osceola, MO	--	9
1870 -- Tuberculosis (Consumption) (MO subset of ~70,000 TB deaths nationwide)	--	2,717
1870 -- Typhus (MO subset of 1,770 typhus deaths nationwide)	--	60
1879 -- June-May 1880, Scarlet Fever , esp. children (MO subset, 16,388 US S.F. deaths)	--	259
1879 -- June-May 1880, Tuberculosis (MO subset of 91,270 TB deaths nationwide)	--	2,718
1890 -- Diphtheria and Croup , MO (subset of 41,677 deaths nationwide)	--	267
1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), especially St. Louis, MO	--	501
1890 -- Typhoid Fever , esp. Kansas City, St. Louis (MO subset of ~30,000 US TF)	--	292
1898 -- Typhoid Fever (MO subset, >4,200 deaths), esp. St. Louis and MO Vols., US camps ³⁹⁶	--	200
1900 -- Tuberculosis (38,084 MO deaths all causes) (109,750 US tuberculosis deaths)	--	4,107
1901 -- Jan 1-12, Grip (Influenza) Epidemic , St. Louis, MO	--	54
1907 -- Typhoid Fever (MO subset of approximately 13,000 typhoid deaths nationwide)	--	199
1910 -- Polio , especially children, MO	--	18
1911 -- July-Dec, Tuberculosis , MO	--	2,250
1912 -- Jan-Mar, Tuberculosis , MO	--	1,372
1915 -- Feb 18, New Home coal mine shaft number 2 explosion, Rich Hill, MO	--	5
1916 -- Polio , Sum-Fall, esp. children, esp. St. Louis, MO (~6,700->7,000 US polio deaths)	--	20
1917 -- Polio , esp. June-Sep, especially children (MO subset, ≥1,182 U.S. polio deaths)	--	48
1920 -- Malaria (MO subset of 3,136 malaria deaths in 34 registration states)	--	137
1920 -- Measles (MO subset of 7,712 measles deaths in 34 registration states)	--	286
1920 -- Scarlet Fever (MO subset of 4,004 scarlet fever deaths in 34 registration states)	--	156
1920 -- Smallpox (MO subset of 508 smallpox deaths in 34 registration states)	--	28
1920 -- Typhoid Fever (MO subset of 6,805 typhoid fever deaths in 34 registration states)	--	341
1920 -- Whooping Cough (MO subset, 10,968 whooping cough deaths in 34 reg. states)	--	308
1921 -- Polio (acute) esp. late Summer-Fall (MO subset of 1,597 U.S. polio deaths)	--	58
1931 -- "Epidemic Cerebrospinal Meningitis ," ³⁹⁷ (subset, 2,832 US meningitis deaths)	--	109
1931 -- Diphtheria , especially children (MO subset of 5,738 U.S. diphtheria deaths)	--	251
1931 -- Influenza (MO subset of 31,701 influenza deaths nationwide)	--	1,391
1931 -- Malaria (MO subset, 2,536 malaria deaths nationwide)	--	149
1931 -- Polio , esp. July-Oct, (MO subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	25
1933 -- June 17, Shooting murders of four law officers plus prisoner, Kansas City, MO	--	5
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (MO subset of 1,997 U.S. diphtheria deaths)	--	71
1939 -- Malaria (MO subset of 1,761 malaria deaths nationwide)	--	66

³⁹⁴ We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

³⁹⁵ Was 2nd leading cause of death in the State (behind pneumonia) and leading cause of death in the U.S. in 1860.

³⁹⁶ Twelve civilian and 93 military from First (11 deaths), Second (19), Third (9), Fourth (18), Fifth (14), Sixth (19) MO Vol. Inf. Regiments and 3 from Battery A, MO Light Artillery Brigade. Fourteen military deaths were in MO.

³⁹⁷ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

1939 -- Tuberculosis (MO subset of 61,609 tuberculosis deaths nationwide)	--1,668
1939 -- Whooping Cough (MO subset of 3,026 whooping cough deaths nationwide)	-- 63
1940 -- Malaria (MO subset of 1,442 U.S. malaria deaths)	-- 41
1940 -- Polio (MO subset of 1,026 polio deaths nationwide)	-- 39
1940 -- Tuberculosis (MO subset of 55,576 tuberculosis deaths nationwide)	--1,647
1940 -- Whooping Cough (MO subset of 2,926 whooping cough deaths nationwide)	-- 88
1941 -- Measles, especially children (MO subset of 2,279 measles deaths nationwide)	-- 114
1944 -- Cerebrospinal Meningitis (subset, 2,812 US cerebrospinal meningitis deaths)	-- 82
1944 -- Influenza (MO subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 662
1944 -- Measles, especially Jan-June (MO subset of 1,923 measles deaths nationwide)	-- 65
1944 -- Tuberculosis (MO subset of 54,731 tuberculosis deaths nationwide)	--1,487
1944 -- Whooping Cough (MO subset of 1,878 whooping cough deaths nationwide)	-- 56
1946 -- Polio, especially July-Nov (MO subset of 1,845 polio deaths nationwide)	-- 97
1950 -- Measles, especially children (MO subset of 468 measles deaths nationwide)	-- 13
1950 -- Polio, especially July-Nov (MO subset of 1,904 polio deaths nationwide)	-- 30
1951 -- Polio, especially July-Nov (MO subset of 1,551-1,555 polio deaths nationwide)	-- 50
1953 -- Polio (MO subset of 1,450 polio deaths nationwide)	-- 27
1968 -- Apr 4-11, Martin Luther King Jr. assassination rioting, Kansas City, MO	-- 7
1985 -- Measles (subset of 5 US measles deaths)	-- 1
1993 -- Summer, Heat, MO	-- ~7
1993 -- Aug 11, Lightning, Merrimac River, Crawford County, MO	-- 2
1996 -- Summer, Heat, MO	-- 8
2006 -- Dec 17, Carbon Monoxide poisoning, car in apartment garage, Kirksville, MO	-- 7
2007 -- Jan 12-15, Ice and Winter Storm, MO	-- 9
2009 -- Jan 28, Ice and Snow Storm, MO (subset of 91 deaths in 12 States)	-- 8

Breakout of **Missouri** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 47 -- **Maritime and Inland Waterways.**
- 46 -- **Disease**, select communicable, especially epidemics. (Plus 47 in "Other.")
- 43 -- **Heat.** (Plus two -- 7 deaths in 1993 and eight in 1996.)
- 22 -- **Tornadoes**
- 18 -- **Fire**, Structural (Including fires following an explosion or transportation accident.)
- 12 -- **Rail**
- 9 -- **Flooding**
- 7 -- **Aviation**
- 7 -- **Violence** (Plus one with 9 fatalities, one with 7 and one with 5)
- 5 -- **Explosions**
- 2 -- **Structural Failure**
- 1 -- **Earthquake.**
- 1 -- **Mining.** (Plus 1 event >ten deaths: 5 in 1915 coal mine explosion.)
- 1 -- **Poisoning (unintentional)**
- 1 -- **Vehicular -- Road/Highway**
- 1 -- **Wind Storm**
- 1 -- **Winter Weather.** (Plus two -- one with 9 and one with 8 fatalities in "Other.")
- 0 -- **Carbon Monoxide Poisoning** (One event, though, with 7 deaths in 2006 in "Other.")

MT

Montana

1.	1869 -- Smallpox Epidemic, Gros Ventre Natives, Montana Territory	--700--800
2.	1870 -- Jan 23, Marias River Piegan Tribe Massacre , 2 nd Cav. MT Territory	-- 173
3.	1883 -- Jun 23, Trains Collide , Northern Pacific RR, Heron Station, MT	-- 24
4.	1884 -- June 08, Ferry Boat goes over Falls , Drownings, Thompson's Falls, MT	-- 11
5.	1888 -- Sep 11, Wickes Tunnel , premature explos., Montana Central RR ~Helena, MT--	10
6.	1895 -- Jan 15, Fire/Dynamite Explosions , Kenyon-Connell Warehouse, Butte, MT	-- 57
7.	1899 -- Apr 08, Flash Flooding , Yellowstone River, esp. below Glendive, MT	-- 12
8.	1900 -- Typhoid Fever (MT subset of 35,379 typhoid fever deaths nationwide)	-- 42
9.	1901 -- Aug 30, Runaway freight cars collide with train , fire ~Nyack station, MT	--36-41
10.	1905 -- Aug 20, Street Car and Freight Train Crossing Collision , Butte, MT	-- 10
11.	1908 -- Sep 25, Snowstorm, Trains Collide , Young's Point, near Park City, MT	-- 20
12.	1910 -- Polio , especially children, MT	-- 17
13.	1915 -- Oct 19, Granite Mt. Copper Mine dynamite explosion , Butte, MT	-- 16
14.	1916 -- Polio , especially children, Statewide, MT	-- 26
15.	1916 -- Feb 14, Mine Fire , Pennsylvania Copper Mine, Butte, MT	-- 21
16.	1917 -- Jun 08, Shaft Fire , Granite Mountain (Speculator) Copper Mine, Butte, MT	-- 167
17.	1918-1920 -- Influenza and pneumonia epidemic, MT	--6,079
	1918 -- Jan-Dec, Influenza and pneumonia epidemic, MT	--3,982
	1919 -- Jan-Dec, Influenza and pneumonia epidemic, MT	--1,217
	1920 -- Jan-Dec, Influenza and pneumonia, MT	-- 880
18.	1920 -- Typhoid Fever (MT subset, 6,805 typhoid fever deaths, 34 registration states)--	27
19.	1931 -- Polio , esp. July-Oct, (MT subset, 2,139-2,144 US polio deaths, esp. children)	-- 15
20.	1938 -- Jan 10, Plane Crash, Northwest Airlines , Bridger Canyon, MT	-- 10
21.	1938 -- Jun 19, Flash Flood, Bridge Fails, Train Crash , Custer Creek, MT	--46-47
22.	1942 -- Dec 30, Plane Crash, U.S. Army Air Force B-17 , Musselshell, MT	-- 12
23.	1943 -- Feb 27, Smith Coal Mine Explosion , Bearcreek/Washoe, MT	-- 74
24.	1943 -- May 23, Plane Crash, USAAF B-17F , Yellowstone National Park, MT	-- 10
25.	1943 -- Aug 24, USAAF B-17 Crash , Gibson Ranch, near Dovetail & Winnett, MT	-- 11
26.	1943 -- Sep 1, Plane Explosion/Crash, USAAF B-17F , near Fort Benton, MT	-- 10
27.	1945 -- Dec 8, Plane Crash, Northwest Air, Military Charter , Billings, MT	-- 19
28.	1946 -- Polio , especially July-Nov (MT subset of 1,845 polio deaths nationwide)	-- 29
29.	1949 -- Aug 4, Forest Fire , Mann Gulch, Gates of the Mountain, MT	-- 13
30.	1950 -- Nov 7, Plane Crash, Northwest Orient #115 , East of Butte, MT	-- 21
31.	1953 -- Polio (MT subset of 1,450 polio deaths nationwide)	-- 14
32.	1959 -- Aug 18, Earthquake and Landslides , Hebgen Lake, MT	-- 28
33.	1960 -- Oct 28, Plane Crash, Northwest Orient Airlines , Missoula, MT	-- 12
34.	1964 -- June 8-9, Heavy rain, flooding, dam failures , esp. Blackfeet Reservation, MT--	58
35.	1987 -- July 4, Private (band) Beechcraft crash , near Flathead Lake, Lakeside, MT	-- 10
36.	1992 -- Nov 30, Two USAF C-141 Transports Collide Mid-Air , near Harlem, MT	-- 13
37.	2009 -- March 22, Pilatus PC-12/45 Jet Private Plane Crash , Butte, MT	-- 14
38.	2009 -- Especially Fall/Winter, H1N1 "Swine Flu" (MT subset, over 12,000 U.S.)	--18-19

Montana Select Other Loss of Life Events:

1801-1802 -- Smallpox , Native Americans, esp. Crow, Flathead, Gros Ventre, Sioux ³⁹⁸	--	?
1879 -- June-May, 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	25
1880 -- Scarlet Fever , especially children (MT subset of 16,388 Census Year SF deaths)	--	24
1881 -- Feb 12, Copper Mine blacksmith shop fire and powder explosion , Belmont, MT--	6	
1888 -- Jan 12, Blizzard and Extreme Cold (MT subset of ~300-500 deaths)	--	~5
1889 -- Nov 23, St. Lawrence copper mine fire, suffocation Anaconda mine, Butte, MT--	6	
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
1900 -- Tuberculosis (2,188 MT deaths all causes) (109,750 US tuberculosis deaths)	--	164
1905 -- May 12, Detonation of explosive materials, Cora copper mine, Butte, MT	--	7
1910 -- Aug 20-Sep 9, Wildfires , deaths at Copper Creek, Iron Mt., Saltese, Swamp Creek--	7	
1916 -- Diphtheria , especially children, MT	--	33
1920 -- Diphtheria and Croup (MT subset of 13,395 such deaths in 34 registration states)--	32	
1920 -- Measles (MT subset of 7,712 measles deaths in 34 registration states)	--	27
1920 -- Scarlet Fever (MT subset of 4,004 scarlet fever deaths in 34 registration states)	--	22
1920 -- Whooping Cough (MT subset, 10,968 whooping cough deaths in 34 reg. states)	--	51
1931 -- Influenza (MT subset of 31,701 influenza deaths nationwide)	--	152
1939 -- Tuberculosis (MT subset of 61,609 tuberculosis deaths nationwide)	--	238
1939 -- Whooping Cough (MT subset of 3,026 whooping cough deaths nationwide)	--	16
1944 -- Measles , especially Jan-June (MT subset of 1,923 measles deaths nationwide)	--	13
1944 -- Whooping Cough (MT subset of 1,878 whooping cough deaths nationwide)	--	10
1946 -- Aug 9, USAF A-26 Bombers Collide , No. Montana State Fair, Great Falls	--	7
1982 -- July 2, Wife, children, mother-in-law shot (5), suicide , Thompson Falls, MT	--	6
1993 -- Dec 31, Avalanche kills snowmobilers, Swan Range, near Big Fork, MT	--	5
2002 -- Jan 26, Avalanche , Snowmobilers, Sheep Mountain., Bonner MT	--	4

Breakout of **Montana** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 11 -- **Aviation**. (Plus one with 7 fatalities.)
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 13 in "Other.")
- 5 -- **Rail**.
- 5 -- **Mining and Tunneling**. (Plus 5 <10 deaths: 6 in 1881 and 1889, 7 in 1905, 9 in 1891 and 1893.)
- 3 -- **Flooding**
- 2 -- **Structural Failures**. (A bridge and a dam failure.)
- 1 -- **Earthquake** (cross-listed with **Landslides**).
- 1 -- **Explosion** (non-mining).
- 1 -- **Fire**, structural.
- 1 -- **Forest Fire**. (Plus 7 deaths in Aug-Sep 1910 wildfires.)
- 1 -- **Landslide** (cross-listed with **Earthquake**).
- 1 -- **Maritime and Inland Waterways**.
- 1 -- **Violence**. (Plus one with 6 fatalities in "Other.")
- 0 -- **Avalanche**. (But one with 5 fatalities and one with 4 in "Other.")

³⁹⁸ We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds. Also impacted were the Pend d'Oreille and Semte'use.

0 -- Winter Storm. (But ~5 in Jan 12, 1888 “Schoolchildren’s Blizzard and Extreme Cold.)

NE

Nebraska

1.	1801-02 – Smallpox , Oto, Ponca, Sioux, esp. Omaha Nation Native Americans, NE	--1,500
2.	1849 – Cholera Epidemic, Omaha Nation, NE	-->500
3.	1871 – Dec 03, Winter Exposure, Immigrants Freeze , Saline County, NE	-- 17
4.	1873 – Apr 13, “ Easter Blizzard ,” NE	-- <20
5.	1873 -- Aug 5, Massacre, Dakota (Sioux) attack Pawnee hunting party ~Trenton, NE--	69
6.	1879 -- June-May 1880, Typhoid Fever (NE subset of 23,339 U.S. Typhoid deaths)	-- 140
7.	1888 – Jan 12, “ Schoolchildren’s Blizzard ,” and Extreme Cold, NE	69-100
8.	1890 – June 03, Tornado , Bradshaw, NE	-- 12
9.	1899 – June 13, Tornado , Washington County, NE	-- 11
10.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 13
11.	1901 – June 21, Tornado Boyd County, NE	-- 10
12.	1908 – June 05, Tornado , Thayer and Fillmore Counties, NE	-- 12
13.	1909 -- Polio (Acute), especially children (NE subset of 266 polio deaths nationwide) ³⁹⁹ --	135
14.	1909 – Aug 15-17, Heat , especially Norfolk and Omaha, NE	-- 25
15.	1911 – May 29, Trains Collide/Fog , Chicago, Burlington & Quincy RR, McCook, NE--	18
16.	1913 -- Feb 28, Dewey Hotel Fire and possible gas explosion , Omaha, NE	-- 5-20
17.	1913 – March 23, Tornadoes , esp. Omaha & vic., also Ralston, Berlin, Yutan & vic., NE--	136
18.	1913 – May 14, Storm/Tornadoes , esp. Tamora, McCool Junction, Seward, NE	-- 8-14
19.	1916 – Oct 15, Trains Collide , Burlington Railroad, Elwood, near Smithfield, NE	-- 11
20.	1918 – Sep 10, Trains Collide , near Birdsell, NE	-- 11
21.	1918 – Sep-Apr 1919, Influenza and Pneumonia Epidemic , NE	--6,010
	1918 – Sep-Dec, Influenza and Pneumonia Epidemic, NE	--4,332
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, NE	--1,678
22.	1920 -- Jan-Dec, Influenza and Pneumonia , NE	--1,862
23.	1920 -- Measles (NE subset of 7,712 measles deaths in 34 registration states)	-- 121
24.	1931 – Summer, Heat , and excessive heat deaths (State subset, 2,768 U.S. deaths)	-- 26
25.	1934 – July and Aug 12-14 Heat , NE (subset of 1,683 fatalities nationwide)	-- 67
26.	1935 – May 30-June 1, Flooding , esp. Republican River basin, esp. south NE	-- 113
27.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 16
28.	1943 – July 19, Plane Crash, USAAF C-53D , near Malcolm and Lincoln, NE	-- 13
29.	1943 – Aug 28, 3 Planes Collide , USAAF, near Army Air Base, Harvard, NE	-- 14
30.	1943 – Oct 25, Planes Collide, two USAAF B-24H’s , near Milligan, NE	-- 17
31.	1943 – Dec 14, Plane Crash, USAAF, B-24J , near Omaha, NE	-- 16
32.	1944 – Apr 29, Plane Crash, USAAF RB-24E Liberator Bomber , near Merna, NE	-- 10
33.	1944 – Jun 07, Plane Crash, USAAF B-24J , near Chappell, NE	-- 10
34.	1944 – Aug 03, Plane Crash, US Army AF Douglas D-47, Thunderstorm , Napier, NE--	28
35.	1944 – Aug 05, Planes Collide, USAAF B-17G’s , near Dixon, NE	-- 17
36.	1944 – Sep 15, Explosion , Naval Ammunition Depot, near Hastings, NE	-- 9-10
37.	1946 -- Polio , especially children, NE	-- 55
38.	1947 – June 23, Flash Flooding , Cambridge to Orleans, NE	-- 13
39.	1949 -- Polio , especially July-Nov, especially children (~2,725 U.S. polio deaths)	-- 49
40.	1949 -- Jan 2-5, Blizzard and Extreme Cold , north third of NE	-- 20
41.	1950 -- May 8-9, Downbursts and Flash Floods and Flooding , Southeast Nebraska	-- 23

³⁹⁹ Nebraska led the country in polio deaths in 1909.

42. 1952 -- Polio , especially children, NE	--	106
43. 1953 -- June 07, Tornado , Arcadia, Valley County, NE	--	11
44. 1956 -- Oct 10, USN MATS Transport Plane lost from UK to Lincoln AFB, NE ⁴⁰⁰	--	59
45. 1966 -- Aug 06, Braniff Flight 250 Breaks Apart in Flight , Falls City, NE	--	42
46. 1975 -- Jan 10-12, Blizzard , especially Omaha ⁴⁰¹	--	13
47. 1976 -- Jan 10, Pathfinder (residential) Hotel Natural Gas Explos./Fire , Fremont, NE--	--	20
48. 1978 -- Aug 30, Plane Crash, Las Vegas Air N44LV , North Las Vegas, NE	--	10
49. 1980 -- June-Aug (esp.), Heat , especially Douglas County (6 deaths)	--	15
50. 1980 -- June 12, Air Wisconsin flight 965 crash (storm, engine failure), Valley, NE	--	13
51. 2009 -- Especially Fall/Winter, H1N1 "Swine Flu" (subset, over 12,000 US deaths)	--	14-15

Nebraska Select Other Loss of Life Events:

1860 -- Scarlet Fever (Neb. subset of 26,402 deaths in 38 Census States & DC)	--	10
1870 -- Scarlet Fever , especially children (Neb. subset of 20,339 deaths nationwide)	--	90
1870 -- Tuberculosis (Consumption) (Neb. subset of ~70,000 TB deaths nationwide)	--	87
1870 -- Typhoid Fever (Neb. subset of 22,187 typhoid fever deaths nationwide)	--	52
1874 -- Measles Epidemic, Omaha Nation , NE	--	76
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	247
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	1,036
1879 -- June-May 1880, " Malarial Fever ," (NE subset, 20,231 such deaths nationwide)	--	101
1879 -- June-May Measles , esp. children (NE subset, 8,254 measles deaths nationwide)	--	106
1879 -- June-May 1880, Meningitis (NE subset of 7,481 meningitis deaths nationwide)	--	13
1879 -- June-May 1880, Scarlet Fever , esp. children (NE subset, 16,388 US S.F. deaths)	--	391
1879 -- June-May 1880, Tuberculosis (NE subset of 91,270 TB deaths nationwide)	--	411
1882 -- Jan 22-May 6, Smallpox , Omaha, NE	--	16
1888 -- Measles Epidemic , Omaha Nation, NE	--	87
1889 -- Measles Epidemic , Omaha Nation, NE	--	50
1898 -- Typhoid (subset of >3,000 deaths), Second & Third Neb, Vol. Inf., US camps ⁴⁰²	--	49
1890 -- Typhoid Fever , Omaha (NE subset of ~30,000 typhoid deaths nationwide)	--	63
1900 -- Tuberculosis (8,364 NE deaths all causes) (109,750 US tuberculosis deaths)	--	592
1920 -- Diphtheria and Croup (NE subset of 13,395 such deaths, 34 registration states)	--	112
1920 -- Scarlet Fever (NE subset of 4,004 scarlet fever deaths in 34 registration states)	--	60
1920 -- Smallpox (NE subset of 508 smallpox deaths in 34 registration states)	--	20
1920 -- Typhoid Fever (NE subset of 6,805 typhoid fever deaths, 34 registration states)	--	58
1920 -- Whooping Cough (NE subset, 10,968 whooping cough deaths in 34 reg. states)	--	246
1921 -- Polio (Acute) esp. late Summer-Fall (NE subset, 1,597 U.S. polio deaths)	--	29
1927 -- Polio (Acute) esp. late Summer and Fall NE (subset, 2,013 U.S. polio deaths)	--	21
1931 -- " Epidemic Cerebrospinal Meningitis ," ⁴⁰³ (NE subset, 2,832 meningitis deaths)	--	26
1931 -- Diphtheria , especially children (NE subset, 5,738 U.S. diphtheria deaths)	--	48
1931 -- Influenza (NE subset of 31,701 influenza deaths nationwide)	--	320

⁴⁰⁰ Listed herein in that while the plane was lost in the Eastern Atlantic, 50 of the 59 servicemen lost were USAF personnel going home from 3-month temporary assignment to their permanent duty-station at Lincoln AFB.

⁴⁰¹ Subset of 80-84 midwest fatalities.

⁴⁰² Sixteen military deaths were in Nebraska.

⁴⁰³ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Nebraska Select Other Loss of Life Events (continued)

1931 -- Polio, esp. July-Oct (NE subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	12
1933 -- Feb 8-9, Millard Hotel Fire, firefighters killed by falling walls, Omaha, NE	--	7
1939 -- Diphtheria, esp. Jan-Mar, Sep-Dec (NE subset of 1,997 US diphtheria deaths)	--	15
1939 -- Influenza and Pneumonia (NE subset, 99,097 U.S. influenza/pneumonia deaths)	--	912
1939 -- Tuberculosis (NE subset of 61,609 tuberculosis deaths nationwide)	--	208
1939 -- Whooping Cough (NE subset of 3,026 whooping cough deaths nationwide)	--	15
1940 -- Influenza and Pneumonia (NE subset of 92,525 U.S. flu and pneumonia deaths)	--	781
1940 -- Polio, especially children (NE subset of 1,026 polio deaths nationwide)	--	22
1940 -- Whooping Cough (NE subset of 2,926 whooping cough deaths nationwide)	--	13
1944 -- April 6, Explosion, Naval Ammunition Depot, near Hastings, NE	--	8
1944 -- Influenza (NE subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	233
1944 -- Whooping Cough (NE subset of 1,878 whooping cough deaths nationwide)	--	19
1945 -- May 26, Explosion, Pour Bldg., Cornhusker Ordnance Plant, Grand Island, NE	--	9
1948 -- March 23, Fire, Ward's Rest/Convalescent Home for elderly, north Omaha, NE	--	8
1950 -- Measles, especially children (NE subset of 468 measles deaths nationwide)	--	12
1952 -- Nov 25-26, Winter Storm (subset of approximately 38 deaths nationwide)	--	8
1953 -- Polio, especially children (NE subset of 1,450 polio deaths nationwide)	--	10
1954 -- Jan 21, Stove Explodes, Home Burns, mother and 4 children die, Gordon, NE	--	5
1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), NE	--	6

Breakout of Nebraska Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 12 -- Aviation.
- 11 -- Disease, select communicable, especially epidemics. (Plus 40 in "Other.")
- 7 -- Tornadoes.
- 6 -- Heat. (Plus six deaths in 1981.)
- 5 -- Winter Storms. (Plus one with 8 deaths in "Other.")
- 3 -- Flooding.
- 3 -- Rail.
- 2 -- Explosions. (Plus two -- one with 9 fatalities and one with 8.)
- 2 -- Fire/Structural. (Plus 3 <10 deaths: 7 in 1933, 8 in 1948 and 5 in 1954.)
- 1 -- Violence.

NV

Nevada

1.	1869 -- Apr 07, Kentucky-Yellow Jacket Gold Mine Fire , Gold Hill, NV	--	37
2.	1870 -- Scarlet Fever , especially children (NV subset of 20,339 deaths nationwide)	--	141
3.	1871 -- Sep 15, Fire , Pioche, NV	--	13
4.	1874 -- July 24, Rain, Waterspout, Flooding , Eureka, NV	--	20-30
5.	1867 -- Apr 18, Labor Riot , Silver Bend Mining Co., Belmont, NV	--	20
6.	1891 -- Jun 24, Mine Fire , Gould & Curry Gold/Silver Mine, Virginia City, NV	--	11
7.	1904 -- Feb 19, Trains Collide, Dynamite Explodes , Jackson Station, NV	--	24
8.	1911 -- Feb 23, Belmont Gold/Silver Mine Fire /Asphyxiation, Tonopah, NV	--	17
9.	1911 -- Mar 11, Avalanche , Hydro-Electric Company Plant Employees, Jordan, NV	--	11
10.	1912 -- July 07, Dynamite Explosion , Eureka Pit Copper Mine, Ely, NV	--	10
11.	1918 -- Influenza and Pneumonia Epidemic, NV	--	734-800
12.	1931 -- Summer, Heat , (NV subset, 2,768 U.S. deaths)	--	20
13.	1939 -- Aug 12, Violence (Sabotage), Train Derails , S. Pacific RR, Carlin, NV	--	24
14.	1942 -- Jan 16, Plane Crash, TWA Flight 3 , Hits Potosi Peak, NV	--	22
15.	1943 -- Jan 02, Plane Crash, U.S. Army Air Force B-17 , Elko, NV	--	10
16.	1943 -- May 31, Plane Crash, USAAF C-67 , Smith Creek Valley, NV	--	11
17.	1944 -- Feb 25, Planes, Mid-Air Collision , USAAF , Army Air Field, Las Vegas, NV	--	12
18.	1944 -- Oct 26, Planes Collide, USAAF C-46A's , Reno Army Air Base, NV	--	12
19.	1945 -- Jun 30, Plane Crash, USAAF B-24J , Las Vegas Field, Las Vegas, NV	--	11
20.	1946 -- Sep 05, Plane crash/fire, Trans-Luxury Airlines charter , fog, near Elko, NV	--	21
21.	1946 -- Oct 01, Plane Crash in storm, fire, USAAF B-29 , Buffalo Valley, NV	--	11
22.	1947 -- Dec 25, Gas thrown on fire/ explos. , Washoe tribe gambling shack, Dresslerville, NV ⁴⁰⁴	--	15
23.	1955 -- Nov 17, Plane Crash, USAF , Mount Charleston, NV	--	14
24.	1958 -- Apr 21, Planes Collide, United 736 & USAF F-100 Fighter , ~Las Vegas, NV	--	49
25.	1961 -- June 30, Wrong-way, Cal. speeding pickup hits Cal. Station Wagon, Jean, NV ⁴⁰⁵	--	11
26.	1964 -- Mar 01, Plane Crash, Snowstorm, Paradise Air Flight 901A , Genoa Peak, NV ⁴⁰⁶	--	85
27.	1964 -- Nov 15, Plane Crash/Snow, Bonanza Air 114 , Near Las Vegas, NV	--	29
28.	1968 -- Jan 10, Plane Crash, USMC R5D-2 (C54) , Mt. Tobin, Copper Canyon, NV	--	19
29.	1970 -- Aug 3, Navy P3A Orion , Lightning, Turbulence Breakup , ~Searchlight, NV ⁴⁰⁷	--	10
30.	1980 -- Nov 21, Fire, MGM Grand Hotel , Las Vegas, NV	--	85
31.	1985 -- Jan 21, Plane Crash, Chartered Galaxy Air Flight 203 , Reno NV	--	70
32.	1989 -- Feb 19, Las Vegas Flyers Cessna 402 crash , Santa Ana Mts. ~Corona, CA ⁴⁰⁸	--	10
33.	2001 -- Summer esp., Heat , especially Las Vegas Valley, NV (U.S. 378 subset)	--	10
34.	2004 -- June-Aug especially, Heat , Las Vegas Valley, NV	--	14
35.	2005 -- Summer (especially), Heat , especially Las Vegas area, NV	--	28
36.	2006 -- Oct 31, Arson Fire , Mizpah Hotel , North Lake St., Reno, NV	--	12
37.	2007 -- June 26-Aug 16, Heat deaths, Las Vegas Valley, NV	--	11
38.	2008 -- Summer, Heat , Las Vegas Valley (subset of 144-145 U.S. heat-related deaths)	--	19
39.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	36-44

⁴⁰⁴ Cross-listed in Explosions and in Fire (gas can deliberately thrown into fire from kicked-over stove).

⁴⁰⁵ Cross-listed in California in that all the fatalities were from California.

⁴⁰⁶ Cross-listed in CA in that Paradise was a CA airline serving CA passenger trips to Lake Tahoe.

⁴⁰⁷ Cross-listed in Lightning.

⁴⁰⁸ Cross-listed in California where the crash took place. Listed here in that passengers and pilot lived in Las Vegas.

40. 2010 -- June 4-Aug 6, Heat , especially Las Vegas Valley, NV	--	23
41. 2011 -- Summer Heat (NV subset of 719-725 U.S. heat-related deaths)	--	11
42. 2011 -- Sep 16, National Championship Air Race Crash , Grandstand, Reno, NV	--	11
43. 2013 -- June 6-9, 28-30, July 1-4, 18-20, 27, 30, Aug 1-2, 6, 15-17, Sep, Heat , esp. LV--	45	
44. 2014 -- Summer especially, Heat , especially greater Las Vegas, NV	--	28
45. 2015 -- Summer especially, Heat , greater Las Vegas, NV	--	44
46. 2017 -- Oct 1, Shooting, hotel 32nd floor, Country Music Concert , Las Vegas, NV ⁴⁰⁹	58-59	

Select **Nevada** Other Loss of Life Events:

1870 -- Tuberculosis (Consumption) (NV subset of ~70,000 TB deaths nationwide)	--	30
1873 -- Sep 20, Fire, Yellow Jacket gold mine, Gold Hill, NV	--	6
1879 -- June-May, 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	17
1879 -- June-May 1880, Scarlet Fever , esp. children (NV subset, 16,388 US S.F. deaths)	--	18
1879 -- June-May 1880, Typhoid Fever (NV subset of 23,339 U.S. typhoid deaths)	--	17
1900 -- Tuberculosis (438 NV deaths all causes) (109,750 US tuberculosis deaths)	--	56
1961 -- June 17, Automobiles Collide Head-on near Lovelock, NV	--	6
1984 -- Sep 10, Flash Flood , family truck swept away ~15 miles W of Las Vegas, NV	--	5
1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227	--	9
2009 -- July 13-31, Heat , Las Vegas, NV	--	6
2012 -- July 4, July 11, Aug 8-11, Aug 14-15, Heat , heat complications, Las Vegas Valley--	7	
2013 -- Mar 18, Mortar explosion , Marines, Hawthorne US Army munitions depot, NV	--	7

Breakout of **Nevada** Large-Loss-of-Life Events (10 or more fatalities) by Type:

17 -- Aviation	
10 -- Heat (Plus three – 9 deaths in 1985, 6 deaths in 2009 and 7 in 2012 in “Other.”)	
4 -- Violence (One is cross-listed in Rail (sabotage).	
3 -- Disease , select communicable, especially epidemics. (Plus 5 in “Other.”)	
3 -- Explosions . (Plus one with 7 fatalities in “Other.”)	
3 -- Fire, structural	
3 -- Mining . (Plus 1 event <10 deaths: 6 in 1873.)	
2 -- Rail (One is cross-listed in Violence (sabotage).	
1 -- Avalanche	
1 -- Flooding . (Plus 1 year <10 deaths: 5 in 1984.)	
1 -- Vehicular/Road/Highway . (Plus one with 6 fatalities.)	

⁴⁰⁹ Fifty-nine fatalities including shooter who committed suicide after killing fifty-eight people; wounded hundreds.

NH

New Hampshire

1.	1689 -- Jun 27, Massacre , Penacooks attack English colonists, Cocheco (Dover) NH	-- 23
2.	1689 -- Aug 28, Massacre , Natives attack settlers from Huckin's garrison, NH	--21-22
3.	1690 -- Mar 18, Massacre , French & Indians attack Salmon Falls, NH (& Berwick,ME) ⁴¹⁰	30
4.	1691 -- Sep 29, Massacre , Indians attack English settlers, Sandy Beach (now Rye), NH--	13
5.	1694 -- Jul 18, Massacre , Abenaki attack settlers, Oyster River Plantation, Durham NH--	15
6.	1696 -- June 26, Massacre , Natives attack English settlers, Portsmouth Plains, NH	-- 14
7.	1735-36 Diphtheria , esp. Durham/Exeter/Hampton Falls/Kingston/Portsmouth--	1,000-1,500
8.	1798 -- Yellow Fever Outbreak, Portsmouth, NH	-- 100
9.	1849 -- Summer-Fall, Cholera , NH	-- 47
10.	1851 -- Apr 10, Fishing Schooner <i>Harvest Home</i> of Newcastle, NH Lost	-- 10
11.	1851 -- Oct 3-4, Storm, Portsmouth Fishing Schooners Lost , Prince Edward Island CA--	20
12.	1860 -- Scarlet Fever (NH subset, 26,402 deaths in 38 Census States & DC)	-- 169
13.	1860 -- Smallpox (State subset of 1,263-1,271 smallpox deaths in reporting States)	-- 22
14.	1860 -- Typhoid Fever (NH subset, 19,236 deaths, 38 "registration" States/DC) ⁴¹¹	-- 239
15.	1870 -- Typhoid Fever (NH subset of 22,187 typhoid fever deaths nationwide)	-- 302
16.	1879 -- June-May 1880, Scarlet Fever , esp. children (subset, 16,388 US S.F. deaths)	-- 138
17.	1881 -- Jan 07, Fire, Strafford County Farm [for paupers] , near Dover, NH	--13-15
18.	1893 -- Feb 09, Fire, Strafford County Workhouse , near Dover, NH	-- 41
19.	1898 -- July 04, Tornado/Squall , Hampton Beach, NH	-- 9-12
20.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 21
21.	1907 -- Sep 15, Trains Collide , near Canaan, NH	-- 25
22.	1918-1919 -- Influenza and Pneumonia Epidemic , NH	--3,024
	1918 -- Influenza and Pneumonia Epidemic, NH	--2,000
	1919 -- Influenza and Pneumonia Epidemic, NH	--1,024
	1920 -- Influenza and Pneumonia Epidemic, NH	-- 883
23.	1938 -- Sep 21, New England Hurricane "Long Island Express," subset for NH	-- 12
24.	1939 -- May 23, Submarine <i>The Squalus</i>, Sinks 16 miles off Portsmouth, NH	--26-27
25.	1941 -- June 19, USS <i>0-9</i> (SS-70) Lost, Deep Submerge . Test off Isle of Shoals, NH--	33
26.	1942 -- Jan 08, Army Boat <i>General Richard Arnold</i> Founders off Isles of Shoals, NH--	10
27.	1942 -- Nov 28, Fire/trampling/suffocation, Cocanut Grove Nightclub , Boston MA ⁴¹²	10-11
28.	1944 -- Apr 24, Plane Crash, USAAF B-24H , near Epsom, NH	-- 10
29.	1944 -- Nov 29, Plane Crash, USAAF B-24 Liberator , Middle Mt., Nottingham, NH--	9-10
30.	1968 -- Oct 25, Plane Approach Crash/Fog, Northeast Air 946 , Moose Mt., NH	-- 32
31.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	-- 10

New Hampshire Select Other Loss of Life Events:

1745 -- Diphtheria , mostly children, Kensington, NH	-- 16
1803 -- Yellow Fever Outbreak, Portsmouth, NH	-- 10
1826 -- Aug 18, Landslide , Crawford Notch, White Mountains, NH	-- 9

⁴¹⁰ 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.

⁴¹¹ Third leading cause of death for the year, behind consumption (tuberculosis) (1,163), and old age (290).

⁴¹² Cross-listed in New Hampshire in that 10-11 NH residents were among the 498 fatalities.

New Hampshire (continued)

1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	72
1860 -- Tuberculosis ("consumption") (NH subset of 49,082 death nationwide) ⁴¹³	--	1,163
1860 -- Whooping Cough (NH subset of 8,408 whooping cough deaths nationwide)	--	48
1870 -- Scarlet Fever , especially children (NH subset of 20,339 deaths nationwide)	--	96
1870 -- Tuberculosis (Consumption) (NH subset of ~70,000 TB deaths nationwide)	--	953
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	72
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	354
1879 -- June-May 1880, Measles , esp. children (NH subset, 8,254 U.S. measles deaths)	--	37
1879 -- June-May 1880, Meningitis (NH subset of 7,481 meningitis deaths nationwide)	--	44
1879 -- June-May 1880, Tuberculosis (NH subset of 91,270 TB deaths nationwide)	--	865
1879 -- June-May 1880, Typhoid Fever (NH subset of 23,339 U.S. Typhoid deaths)	--	117
1890 -- Diphtheria and Croup (NH subset, 41,677 diphtheria/croup deaths nationwide)	--	237
1890 -- Typhoid Fever (NH subset of ~30,000 typhoid deaths nationwide)	--	139
1898 -- Typhoid Fever (NH subset of >3,000 deaths), First NH Volunteer Inf., US camps ⁴¹⁴	--	30
1900 -- Tuberculosis (7,400 NH deaths all causes) (109,750 US tuberculosis deaths)	--	627
1900 -- Typhoid Fever (NH subset of 35,379 typhoid fever deaths nationwide)	--	69
1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	--	4
1907 -- Influenza (NH subset of over 10,066 deaths in "registration" areas) ⁴¹⁵	--	183
1910 -- Polio , mostly children, NH	--	19
1920 -- Diphtheria and Croup (NH subset, 13,395 such deaths in 34 registration states)	--	52
1920 -- Measles (NH subset of 7,712 measles deaths in 34 registration states)	--	40
1920 -- Scarlet Fever (NH subset of 4,004 scarlet fever deaths in 34 registration states)	--	9
1920 -- Typhoid Fever (NH subset of 6,805 typhoid fever deaths in 34 registration states)	--	30
1920 -- Whooping Cough (NH subset, 10,968 whooping cough deaths in 34 reg. states)	--	36
1927 -- Polio (acute) esp. late Summer and Fall (NH subset, 2,013 polio deaths nationwide)	--	13
1931 -- Diphtheria , especially children (NH subset, 5,738 U.S. diphtheria deaths)	--	14
1931 -- Influenza (NH subset of 31,701 influenza deaths nationwide)	--	122
1931 -- Measles , especially children (NH subset, 3,576 measles deaths nationwide)	--	20
1931 -- Polio , esp. July-Oct, (NH subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	10
1940 -- Influenza and Pneumonia (NH subset of 92,525 U.S. flu and pneumonia deaths)	--	355
1940 -- Whooping Cough (NH subset of 2,926 whooping cough deaths nationwide)	--	10
1944 -- Influenza (NH subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	77
1946 -- Polio , especially July-Nov, especially children (NH subset 1,845 U.S. polio deaths)	--	15
1952 -- Polio , mostly children, NH	--	10
1959 -- July 22, Plane Explosion and Crash, USAF KC-97, near East Andover, NH	--	7

⁴¹³ Was the leading reported cause of death in the State and in the U.S. in 1860.

⁴¹⁴ At least fourteen military deaths were in New Hampshire.

⁴¹⁵ With death rate of 42.0 per 100,000 population, among registration States, only Conn. (44.2) and Vermont (51.5), had a higher death rate.

Breakout of New Hampshire Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 10 -- **Disease**, select communicable, especially epidemics. (Plus 31 in "Other.")
- 6 -- **Violence**.
- 5 -- **Maritime and Inland Waterways**.
- 3 -- **Aviation**. (Plus one with 7 deaths in 1959 in "Select Other.")
- 3 -- **Fire**, structural.
- 1 -- **Fog as a contributing condition**. (Plane crash in 1968.)
- 1 -- **Heat**. (Plus 4 heat deaths in 1900.)
- 1 -- **Hurricane**.
- 1 -- **Rail**.
- 1 -- **Tornado**.
- 0 -- **Landslide** (one with nine deaths in "Other.")

1.	1637 -- Massacre of Lenni-Lenape at Pavonia (near present day Jersey City, NJ)	-- 80
2.	1643 -- Feb 25, New Amsterdam Dutch massacre Natives , Pavonia [NJ] ⁴¹⁶	--80-120
3.	1655 -- Sep 15-18, Natives attack Dutch in New Netherland (NY and NJ) ⁴¹⁷	--16-100
4.	1705 -- Dec 19-21, Privateer Castle Del Rey, grounds/breaks-up , Sandy Hook, NJ	-- 132
5.	1806 -- Coastal Ship Rose in Bloom upset in Gale off Barnegat Inlet, NJ	-- 21
6.	1832 -- July 14-Oct 10, Cholera Epidemic, statewide, esp. Bergen, Paterson, NJ	--420-503
7.	1846 -- Feb 14/15, Winter Snow Storm, John Minturn & other boats wreck , NJ	--50-60
8.	1849-- Summer-Fall, Cholera ; esp. Newark, Paterson, Camden, Bergen Neck, NJ	-- 673
9.	1853 -- Aug 12-15, Heat and Sunstrokes , Jersey City, NJ	-- 12
10.	1854 -- Apr 16, Storm, Packet Ship Powhatan sinks off coast of NJ	--250-311
11.	1854 -- July, Cholera , esp. Cape May, Centerville, Jersey City, and Newark, NJ	-- 24
12.	1854 -- Nov 13, Storm, US immigrant ship New Era grounds , Deal Beach, NJ	--240-300
13.	1855 -- Aug 29, RR Crossing Crash & Derailment , North PA RR, Burlington, NJ	-- 25
14.	1856 -- Mar 15, Ferry New Jersey burns , DE River, Philly to Camden, NJ	--30-61
15.	1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US deaths	-- 318
16.	1860 -- Measles , especially children (NJ subset of 3,900 measles deaths nationwide)	-- 76
17.	1860 -- Scarlet Fever (NJ subset of 26,402 deaths in 38 Census States & DC) ⁴¹⁸	-- 604
18.	1860 -- Typhoid Fever (NJ subset of typhoid 19,236 deaths, 38 registration States/DC--	239
19.	1860 -- Whooping Cough (NJ subset of 8,408 whooping cough deaths nationwide)	-- 172
20.	1864 -- Jun 01, Steamer Pocahontas sinks, City of Bath , Collision, off Cape May, NJ-	40-41
21.	1864 -- July 03, Steamer Locust Point Collides with Matanzas off Absecon, NJ	-- 17
22.	1865 -- Mar 07, Trains Collide , Wash. Express, Camden & Amboy RR, Bristol, NJ	-- 10
23.	1865 -- June 8, Steamer Admiral Dupont hit/sunk , British <i>Studacona</i> , S. NJ Coast	--15-20
24.	1865 -- Oct 15, Steam. Atlanta , N.O., LA to NYC sinks/storm , off Sandy Hook NJ ⁴¹⁹	--45-47
25.	1868 -- July 14-16, Heat , Hoboken, Jersey City, Newark, Trenton	-- 30
26.	1870 -- Diphtheria (NJ subset of 6,303 deaths nationwide)	-- 177
27.	1870 -- Measles , especially children (NJ subset of 9,237 measles deaths nationwide)	-- 166
28.	1870 -- Scarlet Fever , especially children (NJ subset of 20,339 deaths nationwide)	-- 781
29.	1870 -- Typhoid Fever (NJ subset of 22,187 typhoid fever deaths nationwide)	-- 336
30.	1870 -- Whooping Cough (NJ subset of 9,008 whooping cough deaths nationwide)	-- 181
31.	1871 -- May 1-Dec, Smallpox , Newark, Essex County, NJ	-- ~96
32.	1872 -- Smallpox , especially Camden (157 smallpox deaths), Camden County, NJ	-- ≥199
33.	1872 -- June 30-Jul 5, Heat and Sunstrokes , esp. Jersey city and Hoboken	-- 21
34.	1875 -- Diphtheria , Hudson County, NJ	-- 533
35.	1875 -- Scarlet Fever , especially children, Hudson County, NJ	-- 114
36.	1876 -- Diphtheria , Hudson County, NJ	-- 327

⁴¹⁶ 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.)

⁴¹⁷ Cross-listed in New York. We do not have a breakout of Dutch fatalities depending on which side of the river they were. The dates of Sep 15-18 are for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

⁴¹⁸ Second leading known cause of death in the State in 1860, behind consumption.

⁴¹⁹ Presumably New Jersey – newspaper accounts of the time note only that the *Atlanta* was lost is a storm south of "Sandy Hook" on her way to New York.

New Jersey (continued)

37.	1876 --	Scarlet Fever , especially children, Hudson County, NJ	--	183
38.	1877 --	Scarlet Fever , especially children, Hudson County, NJ	--	213
39.	1877 -- Jan 7,	Steamer <i>Montgomery</i> hit by <i>Seminole</i>, sinks , 38m NE of Cape May NJ--	13	
40.	1878 --	Diphtheria , Hudson County, NJ	--	177
41.	1878 --	Scarlet Fever , especially children, Hudson County, NJ	--	113
42.	1879 -- June-May 1880,	Croup , esp. Oct-Dec, esp. children (17,966 US croup deaths)--	193	
43.	1879 -- June-May 1880,	Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths) --	251	
44.	1879 -- June-May 1880,	"Malarial Fever," (NJ subset, 20,231 such deaths nationwide)--	182	
45.	1879 -- June-May 1880,	Measles , esp. children (NJ subset, 8,254 U.S. measles deaths)--	25	
46.	1879 -- June-May 1880,	Meningitis (NJ subset of 7,481 meningitis deaths nationwide)--	178	
47.	1879 -- June-May 1880,	Scarlet Fever , esp. children (NJ subset, 16,388 US S.F. deaths)-	311	
48.	1879 -- June-May 1880,	Typhoid Fever (NJ subset of 23,339 U.S. Typhoid deaths) --	177	
49.	1879 -- June-May 1880,	Whooping Cough (NJ subset, 11,064 U.S. wh. cough deaths)--	71	
50.	1880 -- Aug-Dec,	Smallpox , especially Camden, NJ (nationwide subset of 1,270 deaths)--	47	
51.	1880 -- July 20,	Tunnel Construction Failure (Blowout) , Hudson Riv, Jersey City, NJ--	21	
52.	1880 -- Aug 11,	Trains Collide , West Jersey & Atlantic Railroad, Mays Landing, NJ --	23-26	
53.	1881 --	Smallpox , especially Camden and Hudson County; also Newark, NJ	--	240
54.	1882 --	Smallpox , especially Hudson County (139 deaths), Newark, Camden, NJ	--	367
55.	1883 --	Smallpox , NJ	--	54
56.	1884 -- Jun 04,	Infant Bodies found, Nivison Home for Infants , Hammonton, NJ	--	21
57.	1884 -- Jun 27,	Schooner <i>Deborah H. Diverty</i> Founders, storm , off Beck's Beach, NJ--	10	
58.	1885 -- Oct 18,	Trains collide (3), near Jersey City, NJ	--	12
59.	1886 -- July 02,	Explosion , Atlantic Powder Works, near Drakesville, NJ	--	10
60.	1887 -- Apr 23,	Boiler Explosion , Passaic Rolling Mills, Paterson, NJ	--	20
61.	1888 -- March 11-14,	Blizzard , NJ	--	14
62.	1890 --	Diphtheria and Croup (NJ subset of 41,677 US diphtheria/croup deaths)	--	1,073
63.	1890 --	Typhoid Fever (NJ subset of ~30,000 typhoid fever deaths nationwide)	--	684
64.	1890 -- Jan-Feb,	Influenza (La Grippe/Russian Flu), especially Hudson County, NJ ⁴²⁰ --	466	
65.	1891 -- Sep 24,	Fireworks Mortar Explodes , Feast of St. Rocco celebration, Newark, NJ--	≥13	
66.	1894 -- Jan 15,	Trains Collide , near Hoboken, NJ	--	11-13
67.	1894 -- Apr 10,	Schooners <i>Albert W. Smith</i> and <i>Kate Markee</i> Wrecked , NJ Coast	--	16
68.	1894 -- Jun 14,	Steam Tug <i>James D. Nicol</i> overloaded, founders , Sandy Hook, NJ	--	35-42
69.	1896 -- Aug 9-14,	Heat , Sunstroke/Heat Prostration, Statewide, esp. Newark NJ	--	143
70.	1898 -- Sep 2-5,	Heat , Bayonne, Elizabethport, Jersey City, Newark, esp. Hoboken	--	26
71.	1898 -- Nov 18,	PA Train runs-down workmen, fog, Hackensack Meadows, NJ	--	11-12
72.	1899 -- Jan 09,	Trains Collide , Lehigh Valley Railroad near West Dunellen, NJ	--	17
73.	1896 -- Jul 30,	Two-Train Collision , Atlantic City, NJ	--	50
74.	1900 --	Typhoid Fever (NJ subset of 35,379 typhoid fever deaths nationwide)	--	398
75.	1900 -- Mar 12,	Arson Fire (charged), Italian Tenement Building , Newark, NJ	--	16
76.	1900 -- July-Aug (especially),	Heat (subset of 1,266 US heat deaths)	--	119
77.	1900 -- June 30,	Fire , Lloyd Steamship Piers , Main, Bremen, Saale , Hoboken, NJ-300-400		
78.	1900 -- July 3,	Arson Fire (alleged), Tenement , Adams and First Sts., Hoboken, NJ ⁴²¹	13-14	

⁴²⁰ There were 390 influenza deaths in Hudson County in January.

⁴²¹ Cross-listed in Fire-Structural.

New Jersey (continued)

79.	1901 -- Feb 21, "Nellie Bly" Train collision /fire, Rusling's Siding, ~Bordentown, NJ --	17
80.	1901 -- June 21, Fireworks Explosion/Fire , Confectionery, Main Street, Paterson, NJ--	17
81.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 467
82.	1902 -- June-Aug (especially July) Heat (subset of 290 heat deaths)	-- 10
83.	1903 -- Jan 27, Trains Collide /burn, NJ Central RR, ~Graceland and Plainfield, NJ	--23-24
84.	1903 -- Feb 19, Trolley Car with HS students, Train collide at crossing, Newark, NJ	-- 9-10
85.	1903 -- June-Aug (especially first half July), Heat (subset of 520 US heat deaths)	-- 60
86.	1903 -- Oct 17, Fog, Work Trains Collide , Washington Crossing, near Trenton, NJ ⁴²² --	17
87.	1904 -- June -Aug, Heat , subset of 235 US heat deaths	-- 25
88.	1904 -- July 10, Trains Collide , Greenwood Lake Div, Erie R.R., Midvale, NJ	-- 17
89.	1906 -- Oct 28, Train Derailment into Tidal Channel, Atlantic City, NJ	--57-62
90.	1907 -- Typhoid Fever (NJ subset of ~13,000 typhoid fever deaths nationwide)	-- 424
91.	1910 -- Polio , especially children, NJ	-- 50
92.	1910 -- Sep 11, Tunnel Cave-in , Bergen Tunnel, Erie Railroad, Jersey City, NJ	-- 11
93.	1910 -- Nov 26, Fire, Asch Factory , Orange & High Sts., Newark, NJ	-- 25
94.	1911 -- Jan 31, Suffocation, Tunnel Caisson , Pontoon, Passaic River, Newark, NJ	-- 12
95.	1911 -- Feb 01, Dynamite Explos., Central Rail of NJ Terminal , Communipaw, NJ--	24-35
96.	1911 -- Apr 29, Train Derailment , Penn. Railroad, Martin's Creek Station, NJ	-- 12
97.	1911 -- July 3-12, Heat , especially Newark, NJ	--17-18
98.	1911 -- Oct 19, Mine Flood , Wharton Iron Mine Shaft, Hibernia, NJ	-- 12
99.	1913 -- Dec 26, Barges A.G. Ropes & Undaunted founder , off Barnegat NJ	-- 10
100.	1914 -- Jan 4, Steamer Oklahoma breaks-up/sinks/rough sea , off Sandy Hook, NJ-	26-32
101.	1916 -- Diphtheria , especially children, NJ	-- 444
102.	1916 -- May 15, TNT Explosion , DuPont Powder Repauno Works, Gibbstown, NJ	--11-14
103.	1916 -- July 3-Oct 25, Polio Epidemic, especially Newark, NJ ⁴²³	--1,180
104.	1917 -- Polio , esp. June-Sep, especially children (NJ subset, ≥1,182 US polio deaths)--	42
105.	1917 -- Dec 08, Storm, Ship Eugene F. Moran founders off Atlantic City, NJ	-- 13
106.	1918 -- Jun 02, Storm, Lifeboat from Carolina (sunk by U-151) capsizes , off NJ	-- 16
107.	1918 -- Jan-Apr, 1919, Influenza and Pneumonia Epidemic , NJ	20,987-27,695
	1918 -- Jan-Dec, Influenza and Pneumonia Epidemic, NJ	--23,545
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, NJ	--16,837
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, NJ	-- 5,344
108.	1918 -- Typhoid Fever (NJ subset of 9,100 U.S. typhoid fever deaths)	-- 162
109.	1918 -- Sep 17, Fire, American Button Company Plant , Newark, NJ	-- 11
110.	1918 -- Oct 04, Explosion , T. S. Gillespie Co., Shell Plant, Sayreville, NJ	-- 100
111.	1919 -- Aug 04, Magazine Explosion , U.S. Arsenal, Raritan, NJ	-- 7-12
112.	1919 -- Nov 01, Train Hits "Auto-Truck" at Grade Crossing, Clarksboro, NJ ⁴²⁴	--14-16
113.	1919 -- Dec 25-30, Wood Alcohol Poisoning , Jersey City, Newark, Passaic, NJ	-- 18
114.	1920 -- Influenza and Pneumonia , NJ	--4,150
115.	1921 -- Polio (Acute) esp. late Summer-Fall (NJ subset of 1,597 U.S. polio deaths)	-- 50

⁴²² Cross-listed in Rail.

⁴²³ In Newark between July 31 and Aug 10 there were 7 days of double-digit fatalities (117 deaths this time-frame). NJ had the highest per capita number of cases in the country.

⁴²⁴ Cross-listed in PA in that all the victims were from Kensington area of Philadelphia.

New Jersey (continued)

116.	1921 -- Jan 30, Fire (cigarette), Colonial Hotel , Newark Street, Hoboken, NJ	--	13
117.	1921 -- Oct 30, Two Hilton Fishing Co. Boats capsize , off Anglesea, NJ	--	11
118.	1922 -- Jan 7-11, Wood Alcohol Poisoning , NJ, especially Hoboken, NJ	--	11
119.	1922 -- Jan 20-Feb 17, Wood Alcohol Poisoning , Hoboken and Ridgefield Park, NJ--	16	
120.	1924 -- Mar 01, Explosion and Fire , Nixon Nitration Works, Nixon, NJ	--	20
121.	1925 -- Jun 16, Train Derails , near Hackettstown, NJ	--	50
122.	1925 -- Nov 12, Trains Collide in Fog near Monmouth Junction, NJ	--	10
123.	1926 -- Jul 10, Lightning/fire/Explosions , USN Lake Denmark Arsenal, Dover, NJ ⁴²⁵	21-22	
124.	1926 -- July 21-25, Heat (subset of 160-180 heat wave deaths nationwide)	--	18
125.	1927 -- Polio (Acute) esp. late Summer and Fall (NJ subset of 2,013 US polio deaths)--	43	
126.	1927 -- July 12-16, Heat (NJ subset of 127-161 heat deaths nationwide)	--11-16	
127.	1929 -- Mar 17, Colonial Western Airways Tri-Motor Crash, sightseeing, Newark NJ--	14	
128.	1931 -- "Epidemic Cerebrospinal Meningitis," ⁴²⁶ (NJ subset, 2,832 US meningitis deaths)--	91	
129.	1931 -- Diphtheria , especially children (NJ subset of 5,738 U.S. diphtheria deaths)	--	123
130.	1931 -- Influenza (NJ subset of 31,701 influenza deaths nationwide)	--	544
131.	1931 -- Measles , especially children (NJ subset of 3,576 measles deaths nationwide)--	101	
132.	1931 -- Polio , esp. July-Oct, (NJ subset of 2,139-2,144 US polio deaths, esp. children)--	142	
133.	1931 -- Summer, Heat (NJ subset, 2,768 U.S. deaths)	--	38
134.	1932 -- Mar 9, Explosion , NJ Public Service Co. Gas Plant, South Camden, NJ	--	14
135.	1933 -- Apr 4, Dirigible Crash , U.S. <i>Akron</i> , off coast of NJ	--	73
136.	1933 -- June 9, Fire , Atlantic Pyroxylin Waste Co., North Arlington, NJ	--	10
137.	1934 -- Sep 08, S.S. Morro-Castle Ship Fire , off Coast of Sea Girt, NJ	--126-137	
138.	1936 -- Feb 12, Fire , Victoria Mansion Hotel, Lexington & Seventh, Lakewood, NJ--	16	
139.	1937 -- May 06, German Dirigible Hindenburg Explodes , Lakehurst, NJ	--	36
140.	1938 -- Aug 5-7, Heat , especially Newark, NJ	--	12
141.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	12
142.	1940 -- July 30, Explosions/Conflagration , R. M. Hollingshead Plant, Camden, NJ--	10	
143.	1940 -- Sep 12, Explosion , Hercules Powder/Munitions Co., Kenvil, NJ	--	52
144.	1941 -- Oct 28, Home Fire , Montclair, NJ	--	12
145.	1942 -- Jun 08, USN Dirigibles Collide , <i>Defender/G-1</i> , Atlantic, off Lakehurst, NJ	--	12
146.	1943 -- Aug 19, Explosion , Naphtha vapors, Congoleum-Nairn Inc. plant, Kearny, NJ--	12	
147.	1944 -- Cerebrospinal Meningitis (NJ subset, 2812 US cerebrospinal meningitis deaths)	110	
148.	1944 -- Polio , especially July-Nov (NJ subset of 1,070 polio deaths nationwide)	--	56
149.	1944 -- Jan 06, USS St. Augustine & Camas Meadows collide off Cape May, NJ	--	115
150.	1944 -- Feb 22, Plane Crash , USAAF, B-17F, Kittatinny Mt., Warren Ct., NJ	--	12
151.	1944 -- Mar 20, Bus Slides off Market St. Bridge into Passaic River, ~Passaic, NJ	--19-20	
152.	1944 -- May 16, Dirigible Airship K-5 Crash , Naval Air Station, Lakehurst, NJ	--	10
153.	1945 -- Jan 02, Fire/explosion , Sun Oil Tanker <i>Sunoco</i> , off Sandy Hook, NJ	--	10
154.	1947 -- Dec 26-27, Snow Storm , NJ	--23-31	
155.	1949 -- Polio , especially July-Nov (NJ subset of ~2,725 polio deaths nationwide)	--	180
156.	1949 -- July 30, Plane Collision , Eastern Air/Navy <i>Hellcat</i> , Chesterfield, NJ	--	16
157.	1949 -- Sep 06, Rampage Mass Shooting , Howard Barton Unruh, Camden, NJ	--	13

⁴²⁵ Lightning started a fire which led to explosions which led to loss of life.

⁴²⁶ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

New Jersey (continued)

158.	1950 -- Polio , especially July-Nov (NJ subset of 1,904 polio deaths nationwide)	--	68
159.	1950 -- May 19, Munitions Explosion , Raritan River Pier, South Amboy, NJ	--	31
160.	1950 -- Nov 24-27, East US “ Storm of the Century ,” subset for NJ	--	34
161.	1951 -- Polio , especially July-Nov, (NJ subset of 1,551-1,555 US polio deaths)	--	39
162.	1951 -- Feb 06, Train Wreck , Commuter Train goes off Trestle, Woodbridge, NJ	--	85
163.	1953 -- Polio (NJ subset of 1,450 polio deaths nationwide)	--	38
164.	1953 -- Mar 11, Fire , fermentation bldg. under construct., Anheuser-Busch, Newark NJ-13		
165.	1951 -- Aug 11, Plane Crash , Miami Airlines N1678M, Newark, NJ	--	56
166.	1951 -- Dec 16, Miami Airlines C-46 Crash , Elizabeth, NJ, near Newark Int. AP	--	56
167.	1952 -- Jan 22, Plane Crash American Airlines , SE of Newark IAP, NJ	--	30
168.	1952 -- Feb 11, Plane Crash , National Airlines Flight 101 Takeoff, Newark AP, NJ--		33
169.	1953 -- Mar 20, Truck and Car Collision , family killed, near Washington, NJ	--	10
170.	1956 -- Jun 20, Plane Crash , Linea Aeropostal Venezolana, Ashbury Park, NJ	--	74
171.	1956 -- July 13, Plane Crash , USAF Takeoff/Windshear, near Brown’s Mills, NJ	--	46
172.	1958 -- May 22, Explosion , US Army Douglas Nike-Ajax (8) Near Middleton, NJ	--	10
173.	1958 -- Sep 15, Train Plunges off Bridge into Newark Bay, NJ	--	48
174.	1959 -- Oct 9, Semi-trailer tanker rear-ends Trenton St. Col. bus , New Brunswick--		12
175.	1960 -- July 06, US Navy Blimp Crash , off Barnegat City, NJ	--	18
176.	1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave , NJ ⁴²⁷	--	52
177.	1963 -- Jan 30, Plane Crash , US Navy ASW P-3A, off Atlantic City, NJ	--	14
178.	1963 -- Nov 18, Fire (arson?) , Surfside Hotel (elderly home), Atlantic City, NJ	--	25
179.	1967 -- Feb 17, Starch Dust Explosion , Fire, Int. Latex Corp., Hawthorne, NJ	--	11
180.	1967 -- July 12-17 (esp. 13 th), Police Violence and Racial Rioting , Newark, NJ ⁴²⁸	--25-26	
181.	1973 -- Jan 29, Arson Fire , Street’s Sheltered Care Rest Home, Pleasantville, NJ	--	10
182.	1973 -- Sep 29, Arson Fire , Tenement, Eleventh & Willow, Hoboken, NJ	--	11
183.	1976 -- Aug 28, 2 McGuire AFB NY C-41s Crash , Peterborough, UK & Greenland ⁴²⁹ --		10
184.	1978 -- Dec 7, Fire , Tenement House, Newark, NJ	--	12
185.	1979 -- Jan 20, Arson Fire , Tenement, Clinton Street, Hoboken, NJ ⁴³⁰	--	21
186.	1980 -- June-Aug (especially), Heat , ICD-9 E900 code for excessive natural heat, NJ--		19
187.	1980 -- July 26, Fire , Brinley Inn Boarding Home, Bradley Beach, NJ	--	24
188.	1981 -- Jan 09, Fire , Beachview Rest Home (Sheltered Care Facility) Keansburg, NJ--		31
189.	1981 -- Oct 24, Arson Fire , Apartment Bldg., 12 th and Washington, Hoboken, NJ	--	11
190.	1982 -- April 30, Arson Fire , Pinter (residential) Hotel, 14 th Street, Hoboken, NJ	--	13
191.	1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228--		12
192.	1984 -- Oct 18, Arson Fire , Alexander Hamilton Hotel (residential), Paterson, NJ--		15
193.	1988 -- Dec 21, NJ residents killed on Pan Am 103 bombing , Lockerbie Scotland ⁴³¹ --		33
194.	1993 -- Summer esp., Heat (NJ subset of 311 U.S. heat deaths)	--	16
195.	1995 -- July, esp. 13-18, Heat , fatalities in at least six counties	--	24

⁴²⁷ NJ subset of 108-268 fatalities overall.

⁴²⁸ 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.

⁴²⁹ The ten fatalities are the NJ residents. There

⁴³⁰ Cross-listed in Fire-Structural.

⁴³¹ Of the 270 killed (including 11 Lockerbie residents), 189 were U.S. residents.

196.	1996 -- Jan 7-8, Snow Storm (Blizzard of '96), esp. snow-shoveling heart attacks	--	28
197.	1999 -- July 4-6, Heat (NJ subset of 1,050 heat-related deaths nationwide)	--	30
198.	2000 -- Aug 9, USN Charter Patuxent Air ⁴³² & Private Plane Collide, Burlington, NJ--	11	
199.	2002 -- June-Aug especially, Heat (NJ subset of ~400 U.S. heat-related deaths)	--	18
200.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	42
201.	2011 -- Summer Heat (NJ subset of 719-725 U.S. heat-related deaths)	--	10
202.	2011 -- Aug 27-28, Hurricane Irene (9 in-state and 3 out-of-state)	--	12
203.	2012 -- Oct 29-30, Hurricane Sandy , subset, 154-182 US deaths), esp. coastal NJ	--38-65	

New Jersey Select Other Loss of Life Events:

1860 --	Tuberculosis ("consumption") (NJ subset of 49,082 death nationwide) ⁴³³	--1,350
1870 --	Tuberculosis (Consumption) (NJ subset of ~70,000 TB deaths nationwide)	--1,822
1870 --	Typhus (NJ subset of 1,770 typhus deaths nationwide)	-- 18
1879 --	Diphtheria , Hudson County, NJ	-- 120
1879 --	Scarlet Fever Epidemic, especially children, Hudson County, NJ	-- 232
1879 --	June-May 1880, Tuberculosis (NJ subset of 91,270 TB deaths nationwide)	--1,646
1898 --	Typhoid Fever (over 3,000 U.S. deaths), First and Sec. NJ Vol. Inf., US camps	-- 37
1900 --	Tuberculosis (32,735 NJ deaths all causes) (109,750 US TB deaths) ⁴³⁴	--3,392
1901 --	Nov, Tetanus-tainted Smallpox vaccination deaths , Camden, NJ	-- 9
1911 --	Nov 10-Dec 10, Tuberculosis , NJ State	-- 318
1912 --	Jan 11-Mar, Tuberculosis , NJ State	--1,304
1915 --	Dec, Influenza and Pneumonia subset of larger epidemic, Camden, NJ	-- 77
1916 --	July 30, Sabotage Explo., Black Tom Munitions Depot , NY Bay, Jersey City, NJ--	7
1920 --	Diphtheria and Croup (NJ subset of 13,395 such deaths in 34 registration states)--	566
1920 --	Measles (NJ subset of 7,712 measles deaths in 34 registration states)	-- 306
1920 --	Scarlet Fever (NJ subset of 4,004 scarlet fever deaths in 34 registration states)	-- 110
1920 --	Typhoid Fever (NJ subset of 6,805 typhoid fever deaths in 34 registration states)	-- 105
1920 --	Whooping Cough (NJ subset, 10,968 whooping cough deaths in 34 reg. states)	-- 413
1939 --	Diphtheria , esp. Jan-Mar, Sep-Dec (NJ subset of 1,997 U.S. diphtheria deaths)	-- 25
1939 --	Tuberculosis (NJ subset of 61,609 tuberculosis deaths nationwide)	--1,727
1939 --	Whooping Cough (NJ subset of 3,026 whooping cough deaths nationwide)	-- 44
1940 --	Influenza and Pneumonia (NJ subset of 92,525 U.S. flu and pneumonia deaths)	--2,139
1940 --	Tuberculosis (NJ subset of 55,576 tuberculosis deaths nationwide)	--1,714
1940 --	Whooping Cough (NJ subset of 2,926 whooping cough deaths nationwide)	-- 24
1941 --	Measles , especially children (NJ subset of 2,279 measles deaths nationwide)	-- 25
1944 --	Influenza (NJ subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 220
1944 --	Measles , especially Jan-June (NJ subset of 1,923 measles deaths nationwide)	-- 12
1944 --	Tuberculosis (NJ subset of 54,731 tuberculosis deaths nationwide)	--1,856
1944 --	Whooping Cough (NJ subset of 1,878 whooping cough deaths nationwide)	-- 11
1946 --	Polio , especially July-Nov (NJ subset of 1,845 polio deaths nationwide)	-- 26
1950 --	Measles , especially children (NJ subset of 468 measles deaths nationwide)	-- 26
1957 --	Dec 4, Snowstorm	-- 6

⁴³² Patuxent Airways was operating at the time under Department of Defense contract, carrying Navy personnel.

⁴³³ Was the leading reported cause of death in the State and in the U.S. in 1860.

⁴³⁴ Averages about 9.3 tuberculosis deaths daily throughout the year in the State.

1964 -- Esp. Oct, St. Louis Encephalitis , Camden and Burlington Counties	--	8
1969 -- Nov 29, Multiple-vehicle collisions in fog , fires, NJ Turnpike, no. of Gate 2	--	6
1978 -- Feb 5-7, Nor'easter & Blizzard , Northeast (NJ subset of total fatalities of 90-119)--		7
1982 -- Jan 8-18, Winter Weather -- Extreme Cold and Snow Storms	--	≥5
1983 -- Summer Heat , esp. July-Aug, deaths in 5 counties (subset of 597 U.S. deaths)	--	7
1986 -- July 20, Stolen police car runs red light , rams car killing 6 inside, Moorestown, NJ--		6
1992 -- Feb 13, Fire (space heaters or smoking) Row House (5 children) , Camden NJ	--	8
1993 -- March 13-14, Superstorm of 1993	--	7
1995 -- Aug 14-19, Hurricane Felix , drownings in surf and rip-tides, NJ	--	5
1999 -- Sep 16, Hurricane Floyd , especially Bergen, Passaic, Salem, Somerset counties	--	6
2009 -- Aug 09, Private Plane/Helicopter Collision , Hudson River, off Hoboken, NJ	--	9
2011 -- Oct 29, Nor'easter Snowstorm , CO poisonings, fires, tree fall, vehicular	--	8
2016 -- Jan 20-23, Ice and Snow Storm Jonas , CO poisoning, heart attacks, hypothermia--		6

Breakout of **New Jersey Large-Loss-of-Life Events (10 or more fatalities) by Type:**

- 60 -- **Disease**, select communicable, especially epidemics. (Plus 29 in "Other.")
- 23 -- **Heat**. (Plus 1 year <10 deaths: 7 in 1983.)
- 23 -- **Fire, structural**. Plus one fire in 1992 with 8 deaths.
- 23 -- **Maritime and Inland Waterways**.
- 21 -- **Rail**.
- 18 -- **Aviation**. (Includes Lockerbie Scotland plane.) Plus one with 9 fatalities (2009).
- 17 -- **Explosions**. (Plus one with 7 deaths in "Other.")
- 15 -- **Violence**.
- 6 -- **Winter Weather** (Plus 6 -- one with 8, two with 7, two with 6, one with 5 deaths.)
- 4 -- **Mining and Tunneling**
- 4 -- **Road/Highway/Vehicular**. (Plus two with deaths -- one in 1969 and one in 1986.)
- 3 -- **Wood Alcohol Poisoning**.
- 2 -- **Hurricanes**. (Plus two -- one with 6 and one with 5 deaths in "Other.")
- 1 -- **Lightning**. (Cross-listed with 1926 explosion and fire.)
- 0 -- **Fog as Contributing Factor**. (But one in 1969 with 6 deaths.)
- 0 -- **Poisoning (unintentional)**. (9 deaths in Camden in 1901 tetanus-tainted vaccinations.)

NM

New Mexico

1.	1541/42 Winter, Coronado's Expeditionaries burn-at-the-stake Tiwa Natives , NM ⁴³⁵	-40-50
2.	1598 -- Dec 4, Pueblo Natives kill Juan de Zaldivar & soldiers seeking corn flour, W NM	-13
3.	1599 -- Jan 21, Spanish (Oñate) Massacre Acoma Natives, punitive expedition, NM	-300-800
4.	1640 -- Violence, Spanish hang Natives for not renouncing their faith, present day NM	-- 40
5.	1657 -- Navajo attack Jemez Pueblo , Jemez Province, NM	-- 19
6.	1668 -- Famine and Starvation , Las Humanas and other Pueblos, current-day NM	-->450
7.	1669 -- June, Apache attack Acoma Pueblo , NM	-- 12
8.	1837 -- Spring, Santa Rita/John Johnson Massacre , Apache Trading Party, SX NM	-- 20
9.	1847 -- Jan 19-20 Mexican/Pueblo Revolt , against U.S. NM occupation, Taos vic.	-16-≥19
10.	1850 -- May, Jicarilla Apaches/Utes Massacre US Mail wagon train, Wagon Mound, NM	-10
11.	1860 -- Typhoid Fever (subset of 19,236 deaths in 38 "registration" States and DC ⁴³⁶)	-- 192
12.	1879 -- June-May 1880, " Malarial Fever ," (NM subset, 20,231 U.S.)	-- 145
13.	1879 -- June-May 1880, Measles , esp. children (NM subset, 8,254 US measles deaths)	-- 142
14.	1879 -- June-May 1880, Scarlet Fever , esp. children (NM subset, 16,388 US)	-- 118
15.	1879 -- June-May 1880, Whooping Cough (NM subset, 11,064 U.S. W.C. deaths)	-- 171
16.	1879 -- Oct 11-19, Apache Massacre settlers , CO and NM	--21-40
17.	1880 -- Smallpox (NM subset of approximately 1,270 smallpox deaths nationwide)	-- 39
18.	1890 -- Typhoid Fever (NM subset of ~30,000 typhoid deaths nationwide)	-- 71
19.	1895 -- Feb 27, Mine Explosion , White Ash Coal Mine, Cerrillos, NM	-- 24
20.	1900 -- Typhoid Fever (NM subset of 35,379 typhoid fever deaths nationwide)	-- 102
21.	1906 -- Oct 05, Mine Explosion , Dutchman Coal Mine Blossburg, NM	-- 10
22.	1907 -- Dec 31, Mine Explosion , Bernal Coal Mine, Carthage, NM	-- 11
23.	1908 -- Aug 27-28, Cloudburst, Flash Flood , Folsom, NM	-- 17
24.	1913 -- Oct 22, Mine Explosion , Stag Canon No. 2 Mine, Dawson, NM	-- 263
25.	1916 -- March 09, Pancho Villa Attacks Columbus , NM	-- 18
26.	1918 -- Influenza and Pneumonia Epidemic , NM (may well include 1919 deaths)	--5,000
27.	1922 -- Nov 25, Mine Explosion , Cerillos No. 4 Coal Mine, Cerillos, NM	-- 12
28.	1930 -- Apr 11, Train Hits Pickwick-Greyhound Bus , near Isleta, NM	-- 22
29.	1932 -- Dec 07, Mine Explosion , Morgan-James Coal Mine, Madrid, NM	-- 14
30.	1933 -- Aug 29, Storm, Bridge Weakened, Train Wreck , Tucumcari, NM	-- 11
31.	1942 -- Oct 17, Plane Crash , US Army AF B-17, Sierra Grande Mt., NM	-- 11
32.	1943 -- Jan 12, Plane Crash , U.S. Army Air Force B-24, Alamogordo, NM	-- 10
33.	1943 -- Jan 17, Plane Crash , U.S. Army Air Force B-24, Alamogordo, NM	-- 11
34.	1943 -- Jan 24, Plane Crash , U.S. Army AF B-24, White Sands Nat. Mon. NM	-- 11
35.	1943 -- Jan 24, Plane Crash , U.S. Army Air Force B-24, Ruidoso, NM	-- 10
36.	1943 -- June 15, Planes Collide , U.S. Army Air Force B-24E's, near Ruidoso, NM	-- 19
37.	1943 -- June 29, Plane Crash , USAAF B-24E, Alamogordo Army Air Base, NM	-- 10
38.	1943 -- Aug 18, Plane Crash , USAAF B-24E, Otero County, NM	-- 12
39.	1943 -- Nov 18, Plane Crash , U.S. Army AF, B-24J, near Melrose, NM	-- 12
40.	1944 -- Apr 11, Plane Crash USN War Eagles VP-16 Orion, east of Columbus, NM	-- 12
41.	1944 -- July 20, Planes Collide , USAAF B-24's, near Roswell, NM	-- 10
42.	1944 -- Aug 21, Plane Crash , USAAF YB-29, 25 miles from Alamogordo, NM	-- 10

⁴³⁵ Refers to those burned at the stake, not to the Natives killed in fighting, or killed after surrender by "lancing."

⁴³⁶ Leading known cause of death in the State for the year.

New Mexico (continued)

43.	1944 -- Sep 27, Plane Crash, USAAF RB-24E , near San Jon and Tucumcari, NM	--	11
44.	1944 -- Oct 15, Plane Crash, USAAF B-29 , Alamogordo Army Air Base, NM	--	12
45.	1944 -- Nov 10, Plane Crash, USAAF B-29 , ~ Clovis Army Air Field, NM	--	15
46.	1945 -- Apr 01, Plane Crash/Fire, USAAF B-29 , near Alamogordo, NM	--	12
47.	1945 -- July 14, Dust-storm /USAAF B29 Plane Crash, Kirtland Field, Albuquerque, NM	--	13
48.	1946 -- Mar 07, Plane Crash, USAF B-29 Superfortress , Kirtland AAR, NM	--	10
49.	1946 -- Apr 04 Plane Crash, USN R4D-6 Transport , sandhills 15M ~Albuquerque, NM	--	11
50.	1947 -- Jan 27, Plane Crash, USAAF B-29 Superfortress , Kirtland Field, NM	--	12
51.	1950 -- March 08, Fire, prisoner jail , Sandia Secret Weapons Base, Albuquerque, NM	--	15
52.	1950 -- Apr 11, USAF B-29 Crash , Manzano Nuc.Wpn. Storage ~Kirtland AFB, NM	--	13
53.	1951 -- May 06, Plane Crash, USAF B-36 Strategic Bomber , Near Albuquerque, NM	--	23
54.	1955 -- Feb 19, Plane Crash, TWA Flight 260 , Sandia Mt., Albuquerque, NM	--	16
55.	1956 -- Sep 05, Trains Collide , Santa Fe Express trains, near Robinson, NM	--	20
56.	1967 -- Dec 14, Blizzard , Navajo Reservation, NM	--	51
57.	1969 -- Dec 05, Plane Crash, Lockheed Lodestar , NE Albuquerque, NM	--	11
58.	1972 -- Dec 26, Bus/Truck Collision , U.S. 60-84, Fort Sumner, NM	--	19
59.	1977 -- Sep 14, Plane Crash, USAF EC-135K , Mt., Manzano range, ~Albuquerque, NM	--	20
60.	1980 -- Feb 2-3, NM State Penitentiary Uprising/Inmate Killings , ~Santa Fe, NM	--	≥33
61.	1986 -- Apr 02, Plane Crash, USAF Hercules C-130 , Magdalena, NM	--	11
62.	1999 -- Dec 04, Illegal Worker Van collides with 18-Wheeler , I-40 ~Albuquerque, NM	--	13
63.	2000 -- Aug 19, El Paso Natural Gas Pipeline Rupture and Fire , Carlsbad, NM	--	12
64.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	58

New Mexico Select Other Loss of Life Events:

1870 --	Scarlet Fever , especially children (NM subset of 20,339 deaths nationwide)	--	36
1870 --	Typhus (NM subset of 1,770 typhus deaths nationwide)	--	11
1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	13
1879 --	June-May 1880, Typhoid Fever (NM subset of 23,339 U.S. Typhoid deaths)	--	48
1895 --	Mar 9 or 10, Fire, Old Abe Gold Mine , White Oaks, NM	--	5-9
1900 --	Tuberculosis (2,674 NM deaths all causes) (109,750 US TB deaths)	--	152
1922 --	Nov 5, Anthraxite coal mine explosion in number four shaft, Madrid , NM	--	7
1929 --	Sep 03, 1 st US Lightning-hit Plane Crash , Transcontinental Air, ~Mt. Taylor, NM	--	8
1930 --	Dec 6, Lamb coal mine explosion , Madrid, NM	--	5
1931 --	Diphtheria , especially children (NM subset, 5,738 U.S. diphtheria deaths)	--	46
1931 --	Influenza (NM subset of 31,701 influenza deaths nationwide)	--	149
1931 --	Measles , especially children (NM subset, 3,576 measles deaths nationwide)	--	41
1939 --	Diphtheria , esp. Jan-Mar, Sep-Dec (NM subset of 1,997 U.S. diphtheria deaths)	--	15
1939 --	Influenza and Pneumonia (NM subset, 99,097 U.S. influenza/pneumonia deaths)	--	598
1939 --	Tuberculosis (NM subset of 61,609 tuberculosis deaths nationwide)	--	336
1939 --	Whooping Cough (NM subset of 3,026 whooping cough deaths nationwide)	--	39
1940 --	Influenza and Pneumonia (NM subset of 92,525 U.S. flu and pneumonia deaths)	--	400
1940 --	Tuberculosis (NM subset of 55,576 tuberculosis deaths nationwide)	--	322
1940 --	Whooping Cough (NM subset of 2,926 whooping cough deaths nationwide)	--	70

New Mexico Select Other Loss of Life Events (continued)

1941 --	Measles , especially children (NM subset of 2,279 measles deaths nationwide)	--	73
1944 --	Measles , especially Jan-June (NM subset of 1,923 measles deaths nationwide)	--	33
1944 --	Tuberculosis (NM subset of 54,731 tuberculosis deaths nationwide)	--	345
1944 --	Whooping Cough (NM subset of 1,878 whooping cough deaths nationwide)	--	13
1944 --	July 28, Brilliant coal mine no. 2 shaft explosion , Brilliant, NM	--	6
1952 --	March 26, USAF B-47 Stratojet Crash Kirtland Air Force Base, Albuquerque, NM--	4	
1953 --	Oct 9, Car and Motorcycle collide , US 285, 37 miles north of Roswell, NM	--	5
1993 --	May esp., Hantavirus Pulmonary Syndrome , esp. Native Americans, esp. NM ⁴³⁷	--	8
2011 --	Aug-Oct, Listeriosis food poisoning from cantaloupes ; packing facility ~Holly, CO--	5	

Breakout of **New Mexico** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 26 -- **Aviation** (Plus two with 8 and 4 fatalities)
- 12 -- **Violence**
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 20 in "Other.")
- 6 -- **Mining**. (Plus 4: 5-9 fatalities in 1895; 7 in 1922; 5 in 1930; and 6 in 1944.)
- 5 -- **Fire**, structural
- 3 -- **Rail**
- 2 -- **Vehicular/Road/Highway** (Plus one with 5 deaths in "Other.")
- 1 -- **Dust Storm**. (Cross-listed in aviation -- crash of USAAF B29 in 1945 dust storm.)
- 1 -- **Explosion**
- 1 -- **Flooding**
- 1 -- **Starvation**
- 1 -- **Structural Failure** (Pipeline rupture cross-listed in Explosion and Fire-Structural.)
- 1 -- **Winter Blizzard**
- 0 -- **Lightning**. (But 8 deaths cross-listed in aviation -- 1929 lightning hit plane and crash.)
- 0 -- **Poisoning (unintentional)**. (But 5 deaths, listeria food poisoned cantaloupes in 2011.)

⁴³⁷ There were 13-16 deaths in Four Corners area of AZ/≥4, CO/≥1, NM/≥8, and UT/?.

NY

New York

1.	1634-1635 -- Smallpox Epidemic , Five Nations, especially Mohawks, Upper NY ⁴³⁸	>2,000
2.	1643 -- Aug, Massacre , Anne Hutchinson's settlement by Siwanoy on Pelham Bay, NY--	16
3.	1644 -- Early (Jan?), Massacre , Dutch and English attack Mespath (Long Island, NY)--	120
4.	1644 --Feb, Massacre , Dutch attack Siwanoy, Petuquapaen, Westchester Co., NY ⁴³⁹	500-700
5.	1655 -- Sep 15-18, Natives attack Dutch in New Netherland (NY and NJ) ⁴⁴⁰	--16-100
6.	1659 -- Sep 25-mid Oct, murder retaliation, Natives attack Wiltwyck (Kingston, NY)--	~10
7.	1663 -- Smallpox , Fort Orange, NY and Northern "NY" Native American Tribes	--1,000
8.	1663 -- June 7, Massacre , Natives attack Dutch at Wiltwyck (Kingston, NY) and vic.--	22-24
9.	1689-1690 -- Smallpox , New England and NY ⁴⁴¹ , settlers and natives (>820-1,500)	-->400
10.	1690 -- Feb 8, Massacre at Schenectady , French and Indians, NY, NY	-- 60
11.	1702 -- Yellow Fever Epidemic , New York City, NY	-- 570
12.	1712 -- Apr 6, Fear of Insurrection of Blacks leads to Executions , NYC, NY	-- 21
13.	1730-31 -- Smallpox , New York City, NY	-- 700
14.	1741 -- March, Alleged Slave Uprising , Blacks Burned and Hanged, NYC, NY	--33-52
15.	1742 -- Smallpox Outbreak in NY	-- 250
16.	1743 -- Yellow Fever Epidemic, New York City, NY	-- 217
17.	1745 -- Nov 16, Schuylerville Massacre , French Raiders, near Saratoga, NY	-- 30
18.	1757 -- Aug, Natives Massacre garrison after surrender , Fort William Henry, NY	--~184
19.	1778 -- May 30, Violence, Loyalists and Indians attack Cobus Kill Settlement , NY--	~52
20.	1778 -- Nov 11, Massacre , women/children, Loyalist/Seneca Force, Cherry Valley NY--	48
21.	1780 -- American Sailing Ship Watt Wrecks on Long Island, NY	-- 26
22.	1791 -- Yellow Fever Epidemic, New York City, NY	-- 200
23.	1799 -- July-Nov, Yellow Fever , New York City, NY	-- 76
24.	1795 -- July 19--Oct 12, Yellow Fever Epidemic, New York City, NY	--700-800
25.	1797 -- Yellow Fever Outbreak, New York City, NY	--1,000-1,100
26.	1798 -- Yellow Fever Outbreak, New York City, NY	--2,086
27.	1801 -- Yellow Fever Epidemic, Queensborough, NYC, NY	-- 156
28.	1803 -- July-Oct, Yellow Fever Outbreak, New York City, NY	608-700
29.	1804 -- Smallpox Outbreak, New York City, NY	169-199
30.	1804 -- Yellow Fever , Brooklyn, NY	-- 40
31.	1805 -- Yellow Fever , New York City, NY	270-340
32.	1807 -- July, South Ferry scow sinks , Hudson River, Albany, NY	-- 33
33.	1808 -- Smallpox , NYC, NY	-- 62
34.	1809 -- Yellow Fever Outbreak, Brooklyn and NYC, NY	-- 42
35.	1811 -- Smallpox , New York City, NY	-- 117
36.	1811 -- Dec 23-24, Winter storm/blizzard , Maritime losses , northern Long Island, NY--	~20
37.	1816 -- Smallpox , New York City, NY	-- 179
38.	1820 -- Yellow Fever Outbreak, NYC, NY	-- 152

⁴³⁸ We assume that if, as reported, thousands died, then at least 2,000 must have died.

⁴³⁹ In dispute – some place this at Cos Cob, CT. (Dinan. "Historians Sift Clues..." *Greenwich Time*, 3-5-2006.)

⁴⁴⁰ Cross-listed in New Jersey. We do not have a breakout of Dutch fatalities depending on which side of the river they were. The dates of Sep 15-18 are for the initial Native attacks and colonial deaths. There were additional deaths on both sides in retaliatory Dutch attacks.

⁴⁴¹ We do not know the mortality amongst the settlers. One account notes 400 fatalities amongst the Iroquois.

New York (continued)

39.	1821 -- Sep 3, Hurricane , unnamed ship grounds NY coast	--	17
40.	1821 -- Oct 25, Storm, Sea Fox Capsizes same day as sailing from NYC, NY	--	12
41.	1822 -- ~July 15 through Oct, esp. Sep-Oct, Yellow Fever Epidemic , NYC, NY ⁴⁴²	--230-250	
42.	1822 -- Oct 27, Ship Savannah Grounds, Breaks-up ~ Fire Island, Long Island, NY--	11	
43.	1824 -- Smallpox , NYC, NY	--	394
44.	1834 -- Smallpox , NYC, NY	--	233
45.	1824 -- May 15 Steamboat Aetna Boiler Explosion , New York Harbor, NY	--10-13	
46.	1829 -- Jun 4, Steam Frigate Fulton, Magazine Explosion , Navy Yard, Brooklyn	--24-40	
47.	1829 -- Sep 16, Steamer William Peacock steam pipe explodes, Lake Erie, Buffalo, NY--	15	
48.	1830 -- Apr 22, Steamship Chief Justice Marshall Boiler Explosion, Hudson River, NY--	15	
49.	1831 -- Jun 09, Steamer General Jackson Explosion , Hudson Riv. Grassy Point, NY--	12	
50.	1832 -- May 04, Building Collapse , Phelps & Peck, Cliff & Fulton Streets, NYC, NY--	10	
51.	1832 -- Jun 13-Nov 18, Cholera , esp. Albany, Buffalo, NYC, Rochester, Utica	---5,862	
52.	1834 -- Cholera Epidemic, Albany, Buffalo, Poughkeepsie, Rochester, esp. NYC, NY-1,086		
53.	1836 -- Scarlet Fever , NYC, NY	--	202
54.	1836-37 -- Measles , NYC, NY	--	443
55.	1836 -- Nov 21/22, U.S. ship Bristol Wrecks, storm, Far Rockaway Beach, Long Isl., NY-64-89		
56.	1837 -- Scarlet Fever , NYC, NY	--	579
57.	1837 -- Jan 2, Barque Mexico grounds, Hempstead Beach, So. Shore Long Island, NY--	116	
58.	1838 -- Barque Edward Quesnel wrecks on Nepeague Beach, Long Island, NY	--10-12	
59.	1838 -- Jun 16 ⁴⁴³ , George Washington (2d) burns, Lake Erie, near Silver Creek, NY	--20-60	
60.	1840 -- Jan 13, Steamer Lexington fire/sinks, Long Island Sound, NY	--118-156	
61.	1840 -- Aug 22, Bridge Failure , State Street Canal Basin Drawbridge, Albany, NY	--	21
62.	1841 -- Mar 11, Steamer President sails from New York, not heard from again/lost	--	136
63.	1841 -- Aug 09, City of Erie explosion/fire, Silver Creek, Lake Erie, 60m ~Buffalo 173-250		
64.	1841 -- Aug 20, Fire, hidden Gunpowder Explosion , carpenter's shop, Syracuse, NY--	26	
65.	1843 -- Feb 16, Landslide , clay hill being mined at base , Troy, NY	--17-18	
66.	1845 -- Apr 07, Steamboat Swallow grounds, Hudson River, near Athens, NY	--15-40	
67.	1845 -- July 19, Fire and Explosion , New, Broad, Beaver, Broadway Sts., NYC, NY	--	30
68.	1846 -- Nov 19, Sidewheel Indian Queen wrecks, Lake Erie Storm, near Dunkirk NY--	20	
69.	1846 -- Nov 27, Atlantic steam explosion, grounds, reef, gale ~Fisher's Island, NY	--	42
70.	1849 -- May 10-Oct 1, Cholera , esp. NYC; also Albany, Buffalo, Westchester ⁴⁴⁴ 6,281-7,489		
71.	1849 -- May 10, Riot & Government Response, Astor Place Opera House , NYC	--16-30	
72.	1849 -- May 18, Collision, Empire and Schooner Noah Brawn , Newburgh Bay, NY	--	24
73.	1850 -- Spring, Cholera	--	94
74.	1850 -- Feb 04, Boiler Explosion , Taylor & Co., Hague St., Manhattan, NY	--60-75	
75.	1850 -- Mar 23, Steam Troy Explodes , Lake Erie, mouth Niagara River ~Buffalo NY--	15-29	
76.	1850 -- July 31, Steamer America boiler explosion, Lake Erie, near Buffalo, NY	--	9-15
77.	1851 -- Smallpox , NYC, NY		562-586
78.	1851 -- Nov. 27, Panic, School Students Stampede, Stairwell Collapse , NYC, NY	--	43
79.	1852 -- Aug-Dec, Cholera Outbreak, especially Rochester, and NYC, NY	--	464

⁴⁴² Referred to in governmental documents as an epidemic. NYC is a subset of 778-822 smallpox deaths in the U.S.

⁴⁴³ There are conflicting reports on exact date and ambiguity in others, but it appears that June 16th is correct date.

⁴⁴⁴ Reference to Westchester County Poor-House and Lunatic Asylum where there were 25 deaths by ~July 20.

New York (continued)

80.	1852 -- July 28, Steamer <i>Henry Clay</i> burns and sinks , Hudson River, Yonkers, NY	--70-90
81.	1852 -- Aug 22, Overcrowded Ferryboat capsizes , Hudson River, Albany, NY	--10-20
82.	1852 -- Sep 4, Steamboat <i>Reindeer</i> boiler explosion , Hudson River ~ Bristol, NY	--28-37
83.	1852 -- Nov 10/11, Propeller <i>Oneida</i> founders , Lake Erie Storm, west of Ripley, NY	- 17-19
84.	1853 -- Yellow Fever Outbreak, New York City and NY Marine Hospital, NY	-- 142
85.	1853 -- June 20, Steamboat <i>New World</i> boiler explosion , New York, NY	-- 11
86.	1853 -- Aug 9-15, Heatwave and Sunstrokes, NYC, Brooklyn, Williamsburg, NY	--296-312
87.	1854 -- Apr 25, Arson Fire, Jennings Building (all firemen), Broadway, NY, NY	-- 11
88.	1854 -- Jul-Sep, Cholera , Albany, Buffalo, Niagara Falls and especially NY, NY	--2,819
89.	1854 -- July, Heatwave and Sunstrokes, NYC, NY	-- 62
90.	1855 -- Sep 5, Cholera aboard steamship <i>Sierra Nevada</i> , leaving NY	-- 95
91.	1856 -- Nov 4, <i>J.S. Brooks</i> founders , stm., Lake Ont., ~Oswego & Sacket's Harbor NY	-- 50
92.	1858 -- Feb 20, Ship <i>John Milton</i> grounds in snow storm , Montauk, Long Isl., NY	-- ~ 29
93.	1858 -- Diphtheria , April-Fall, especially children, Albany, NY	-- 167
94.	1860 -- Croup (contagious upper airway viral infection), (15,188 US croup deaths)	--1,797
95.	1860 -- Measles (NY subset of 3,900 measles deaths nationwide)	-- 746
96.	1860 -- Scarlet Fever ; subset of 26,402 deaths in 38 Census States & DC ⁴⁴⁵	--4,680
97.	1860 -- Smallpox (NY subset of 1,263-1,271 smallpox deaths in reporting States)	-- 303
98.	1860 -- Typhoid Fever NY (subset of 19,236 deaths in 38 registration States and DC)	--1,021
99.	1860 -- Whooping Cough (NY subset of 8,408 whooping cough deaths nationwide)	-- 708
100.	1860 -- Feb 02, Fire, Tenement Building , 142 Elm Street, East Manhattan, NY, NY	-10-20
101.	1860 -- Mar 28, Fire, 40th Street Tenement House , NYC, NY	-- 10
102.	1860 -- Nov 24, Freight <i>Dacotah</i> grounds/breaks-up , Lake Erie Storm, ~Angola NY	-- 24
103.	1860 -- Nov 24, <i>Jersey City</i> Wrecked , L. Erie Stm. ~Long Pt. (Can) opp. Dunkirk NY	-- 17
104.	1861 -- Nov 21-24, Buffalo NY Steamer <i>Keystone State</i> Sinks , Storm, Lake Huron ⁴⁴⁶	20-33
105.	1863 -- July 13-17, Anti-Draft and Racial Riots , New York City, NY	--105--120
106.	1864 -- Apr 15, Steamer <i>Chenango</i> boiler explos. NY Harbor ~Ft. Richmond NY	--30-33
107.	1864 -- June 8, Steamboat <i>Berkshire</i> fire , Hudson River, Esopus Island, NY	-- 35
108.	1865 -- Smallpox outbreak, New York City, NY	-- 674
109.	1865 -- Oct 29, Steamer <i>St. John</i> boiler explosion , about 5 miles above NY, NY	-- 26
110.	1866 -- Apr 18, <i>City of Norwich/Gen. Van Vliet</i> collide , Huntington Harbor NY	-- 11
111.	1866 -- Jun 18, <i>Jennie P. King</i> wrecks , L. Erie Stm., Long Pt., out of Tonawanda NY	-- 14
112.	1866 -- Jul- ~Oct 1, Cholera Outbreak, NYC, Brooklyn & nearby islands, NY	--948-1,137
113.	1866 -- Sep 12, Boiler Explosion, S & G Rork Sawing Mill , Albany, NY	-- 10
114.	1867 -- May 21, Steamer <i>Wisconsin</i> fire/drownings , Lake Ont., ~ Cape Vincent, NY	-- 23
115.	1867 -- Dec 18, Train derailment/fire , Lake Shore & Mich. Southern Angola, NY	--39-50
116.	1868 -- May 1, Steamer <i>Governor Cushman</i> boiler explosion , Buffalo, NY	-- 11
117.	1868 -- July 13-16, Heat Wave , Buffalo, Rochester, Schenectady, Williamsburg, NYC	-261
118.	1868 -- Oct 06, Propeller <i>Perseverance</i> burns , Lake Ontario off Pultneyville, NY	-- 14
119.	1869 -- July 14, Trains Collide , Erie Express, Mast Hope, NY	-- 10
120.	1870 -- Diphtheria (NY subset of 6,303 diphtheria deaths nationwide)	-- 864

⁴⁴⁵ Second leading known cause of death in the State in 1860, behind consumption (tuberculosis).

⁴⁴⁶ Listed herein in that nine of the ten named fatalities were from Buffalo. It is probable that others of the 10 to 23 unnamed fatalities were also from Buffalo area.

New York (continued)

121.	1870 --	Measles (NY subset of 9,237 measles deaths nationwide) ⁴⁴⁷	--1,073
122.	1870 --	Scarlet Fever , especially children (subset of 20,339 deaths nationwide)	--3,403
123.	1870 --	Typhoid Fever (NY subset of 22,187 typhoid fever deaths nationwide)	--2,029
124.	1870 --	Typhus (NY subset of 1,770 typhus deaths nationwide)	-- 369
125.	1870 --	Whooping Cough (NY subset of 9,008 U.S. whooping cough deaths)	-- 802
126.	1870 --	Smallpox (State subset of 4,597 smallpox deaths nationwide)	-- 582
127.	1870 --	Jan, Steamer <i>City of Boston</i> sails from NYC for Liverpool, Lost	-- 177
128.	1871 --	Feb 06, Train Collision , Wappingers Creek, New Hamburg, NY	-- 22
129.	1871 --	July 12, "Orange Riot," NYC, NY	-- < 60
130.	1871 --	July 30, Staten Island Ferry <i>Westfield II</i> boiler explosion , NY Harbor	--86-106
131.	1872 --	Jan 1-June 30, Cerebro-Spinal Meningitis Epidemic, NYC, NY	-- 782
132.	1872 --	July 1-7, Heatwave and Sunstroke , NYC and Brooklyn	--> 248
133.	1872 --	Dec 10, Fire, Fifth Avenue Hotel , New York, NY	-- 22
134.	1872 --	Dec 24, Train Derailment & Fire , near Prospect Station, Goose Creek, NY	--19-25
135.	1873 --	April 8-10, Flood, Drowning/Bldg. Collapse , Genesee River, Rochester, NY	-- 30
136.	1874 --	Jun 07, Storm, Boats Capsize, Drownings , Lakes Oneida & Onondaga NY	-- 1-27
137.	1874 --	June 23, Floor Failure , Festival, Central Baptist Church, Syracuse, NY	-- 14
138.	1875 --	Smallpox , NYC, NY	--1,977
139.	1875 --	Jul 5, Trains Collide , Long Island So. RR ~Far Rockaway Depot, L. Isl., NY	-- 11
140.	1875 --	Dec 1, Steamer <i>Sunnyside</i> hits ice and sinks , Hudson, off West Park, NY	-- 11
141.	1876 --	Mar 07, Fire, Home for the Aged , East Brooklyn, NY	-- 18
142.	1876 --	Dec 5, Fire, Trampling, Suffocation , Conway Theater , Brooklyn, NY	--284-300
143.	1876 --	Dec 30, Freighter <i>Circassian</i> Breaks-up in Storm , Mecox, Long Island NY	-- 28
144.	1877 --	Dec 20, Fire, Greenfield Candy Works , Barclay St., NYC	-- 10
145.	1878 --	Apr 7, Fire, Steuben County House (poor house/insane asylum), Bath, NY	--15-16
146.	1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 US croup deaths)	--569
147.	1879 --	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 US deaths)	--2,318
148.	1879 --	June-May 1880, "Malarial Fever," (NY subset, 20,231 such U.S. deaths)	-- 435
149.	1879 --	June-May 1880, Measles , esp. children (NY subset, 8,254 US measles deaths)	--239
150.	1879 --	June-May 1880, Meningitis (NY subset of 7,481 U.S. meningitis deaths)	-- 314
151.	1879 --	June-May 1880, Scarlet Fever , esp. children (NY subset, 16,388 SF deaths)	--1,019
152.	1879 --	June-May 1880, Typhoid Fever (NY subset of 23,339 US Typhoid deaths)	-- 835
153.	1879 --	June-May 1880, Whooping Cough (NY subset, 11,064 U.S. W.C. deaths)	-- 306
154.	1880 --	June 28, Stmr. <i>Seawanhaka</i> explodes/burns , East River, Randall's Isl., NY	--24-50
155.	1880 --	Oct-Jan 8, 1881, Diphtheria epidemic, esp. children, Brooklyn, NYC, NY ⁴⁴⁸	-- 688
156.	1880 --	Dec 17, Fire, M.H. Birge & Co.'s "Manufactory," Buffalo, NY	-- 13
157.	1881 --	Cerebrospinal Meningitis Epidemic, New York City, NY	-- 461
158.	1881 --	Jan-Dec, Smallpox , esp. Brooklyn and New York City, NY	-- 567
159.	1881 --	Typhoid Fever , NYC	-- 346
160.	1882 --	Jan 1-26, Scarlet Fever Outbreak, NY	-- 224

⁴⁴⁷ In other words, more than ten percent of all reported measles deaths in 1870 took place in New York.

⁴⁴⁸ Breakout began in August in Brooklyn in three tenements, but did not reach epidemic proportions until October. The numbers here are for incomplete reporting for this time frame for both Brooklyn, which did not become a NYC Borough until 1898, and for New York City.

New York (continued)

161.	1882 -- Jan 13, Trains Collide , Hudson River Railroad, Spuyten Duyvil, NY	-- 10
162.	1882 -- Jan-June esp., Smallpox , NYC (259 for year), also Brooklyn, Buffalo, elsewhere-313	
163.	1882 -- Jan 31, Fire, World Building , Park Row and Beekman St., NYC, NY	-- 12
164.	1883 -- Feb 20, Fire Evacuation/railing breaks, falls & suffocation , School, NYC--15-16	
165.	1883 -- May 30, Crushing/Trampling Brooklyn/East River Bridge , NY	-- 12
166.	1883 -- July 27, Passenger Train "Thousand Islands" hits Railcar, Carlton, NY	--17-23
167.	1884 -- Dec 18, Fire, St. John's Home Catholic Orphan Asylum , Brooklyn, NY	--23-25
168.	1885 -- May 05, Factory Building Collapse , State and Hicks Streets, Brooklyn, NY--	15
169.	1886 -- Sep 14, Trains Collide , Nickel-Plate Railroad, Silver Creek, NY	-- 20
170.	1887 -- Diphtheria , NYC, NY	--4,509
171.	1887 -- March 18, Fire, Richmond Hotel (Young Men's Assn.) , Buffalo, NY	-- 15
172.	1887 -- Jul 10, Overloaded Sloop Yacht Mystery Capsizes , Canarsie Bay, L.I., NY-	24-33
173.	1887 -- July 21, Train Runs Into Work-Gang , Erie Railroad, near Hohokus, NY	-- 15
174.	1888 -- Mar 11-14 East Coast Nor'easter "Blizzard of 1888," NY	-- 66
175.	1888 -- Aug 03, Fire, Tenement House , 197 Bowery, NY, NY	--17-20
176.	1888 -- Nov 09, Fire, Steam-Gauge and Lantern Works , Rochester, NY	--34-38
177.	1889 -- July 09, Storm, Flooding, Stone Bridge failure , Johnstown, NY	-- 6-15
178.	1890 -- Diphtheria and Croup (subset of 41,677 deaths nationwide)	--4,112
179.	1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), esp. NYC vic., Rochester-5278-6,790	
180.	1890 -- Typhoid Fever (NY subset of ~30,000 typhoid deaths nationwide)	--1,714-1,725
181.	1890 -- May 7, Fire, Chenango County Poorhouse & Insane Asylum , Preston, NY--	13
182.	1890 -- Nov 24, NY Steam-Yacht F.L. Norton , leaves New London for France, Lost --	10
183.	1891 -- Mar-May, Influenza and Pneumonia Epidemic , esp. NYC, NY	--5,572
184.	1891 -- May 19, Dynamite Explosion, Construction Train , near Tarrytown, NY	-- 13
185.	1891 -- July 03, Freight and Passenger Trains Collide , Burn, at depot, Ravenna, OH ⁴⁴⁹ --	19
186.	1891 -- Aug 06, Trains Collide , Fog, West Shore Railroad, "Dutcher's Cut," NY	-- 11
187.	1891 -- Aug 12, Storm, Barge Republic deck fails , Cold Spring Harbor, L.I., NY	--13-16
188.	1891 -- Aug 22, Building Collapse/Fire , Taylor Bldg., Park Place, New York, NY	--60-61
189.	1891 -- Dec 24, Train Wreck , NY Central and Hudson River RR, near Hastings, NY--	13
190.	1892 -- Typhus Fever , NYC, NY	-- 200
191.	1892 -- Feb 7, Fire, Hotel Royal , Fortieth Street & Sixth Avenue, NYC, NY	--28-30
192.	1892 -- June-July, Heat , New York City, NY	-- 138
193.	1893 -- Aug 24, Storm, Schooner Empire State sinks off Barnegat, NY	-- 10
194.	1893 -- Aug 24, Storm, Tugboat Panther sinks , SE Coast Long Island, NY	-- 17
195.	1893 -- Aug 26, Trains Collide , Harlem Road, Berlin, NY	-- 16
196.	1893 -- Dec 1-Jan 30, 1894 -- Epidemic Influenza , NY	--2,200
197.	1893 -- Dec 24-Aug 25, Nov 3-Dec 22, 1894, Diphtheria , Brooklyn & NYC, NY	--2,858
198.	1894 -- Jan 20-Jun 16, Scarlet Fever Outbreak , Brooklyn & New York City, NY	-- 123
199.	1894 -- Feb 17-Dec 8, Smallpox , Brooklyn, NYC, Albany, Rochester, NY	-- 145
200.	1894 -- Feb 4-10, Whooping Cough Outbreak , New York City, NY	-- 101
201.	1895 -- Jun 16-22, Diphtheria , Brooklyn, NYC, Yonkers	-- 58
202.	1895 -- Aug 13, Bldg. Collapse , Ireland Building (under construction), NYC, NY	-- 17
203.	1895 -- Dec 31, Fire, Delavan House , Albany, NY	-- 16

⁴⁴⁹ Cross-listed in NY in that all or virtually all of the fatalities were NY residents, mostly Corning glassworkers.

New York (continued)

204.	1896 -- Aug 6-14, Heat , Sunstroke, Heat Prostration, Statewide, esp. NYC	-- 697
205.	1896 -- Oct 14, NY Fishing Smack <i>W.W. Story</i> last seen off Absecon, NJ	-- 11
206.	1897 -- Typhoid Fever , NY State (approximately 6,000 typhoid deaths nationwide)--1,585	
207.	1897 -- Oct 24, Train Wreck , New York Central & Hudson River RR, Garrison, NY--	21
208.	1898 -- Typhoid Fever , (>3,300 US deaths), esp. Buffalo and NY Military units ⁴⁵⁰	-- 361
209.	1898 -- Mar 13, Fire, Bowery Mission and Young Men's Home , NYC, NY	-- 11
210.	1898 -- Sep 1-6, Heat , New York City	-- 304
211.	1898 -- Sep 05, Troy City Rail Car/Train Collide , Cohoes Crossing, Albany, NY	-- 18
212.	1899 -- Mar 17, Fire, Windsor Hotel , Fifth Avenue, New York, NY	-- 45
213.	1900 -- Jun 15, Fire, Tenement Building , 34 Jackson Street, NYC, NY	-- 11
214.	1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths), esp. NYC	-- 361
215.	1900 -- Aug 12, Thunder Storm, lightning strikes, small crafts capsize , NYC vic.	-- 8-14
216.	1900 -- Oct 29, Fire and Explosions , Tarrant & Co. Drug Warehouse, NYC, NY	-->7->10
217.	1900 -- Typhoid Fever , NY State (35,379 typhoid fever deaths nationwide)	--1,776
218.	1901 -- Jan 08, Fire/Boiler Explosion, Orphan Asylum , Rochester, NY	-- 31
219.	1901 -- June-July (esp.), Heat Waves (subset of 4,012 US heat deaths) esp. NYC	--1,565
220.	1901 -- Jun 30, Drownings , NYC area (East, Harlem, Hudson, No. rivs.)	-- 10
221.	1901 -- Aug 19, Fire, Dynamite Explosion, M. & M. Roundhouse , ~Herkimer, NY--6-13	
222.	1901 -- Aug 29, Train Derails , Sodus Bay Division, near Newark, NY	--14-15
223.	1902 -- Jan 08, Trains Collide , "New Rochelle Car," Park Avenue Tunnel, NYC	-- 17
224.	1902 -- Feb 02, Belle of Oregon, Antelope, Mystic Bell lost , near Fire Island, NY	-- 13
225.	1902 -- Feb 22, Fire, Park Avenue Hotel , New York City, NY	-- 20
226.	1902 -- June-Aug (especially July) Heat (subset of 290 heat deaths)	-- 46
227.	1902 -- July 04, Trolleys Collide , Mt. Lake RR, Bleecker Mt. ~Gloversville, NY	--13-14
228.	1902 -- Nov 04, Explosion of Fireworks , Madison Square, NY, NY	-- 15
229.	1903 -- Mar 07, Ferryboat Capsizes , Hudson River, Spier Falls ~Glens Falls, NY	--17-19
230.	1903 -- Mar 09, Train Wreck/Fire , delayed Oil/Gasoline Tanker Explos., Olean, NY--	17
231.	1903 -- Summer (especially July 1-12), Heat Waves , New York City, NY	-- 144
232.	1903 -- Nov 01, Tenement Fire, "House of All Nations" Eleventh Ave., NYC, NY--	25
233.	1904-05 -- Cerebrospinal Meningitis Epidemic , New York City	--2,594-3,428
234.	1904 -- June 15, Fire, General Slocum Excursion Steamer , East Riv., NYC	--957-1,200
235.	1904 -- June -Aug, Heat , subset of 235 US heat deaths	-- 48
236.	1904 -- Sep 04, Fire, 5-Story Tenement , Attorney St., New York City, NY	-- 15
237.	1904 -- Nov 20, Fire, Tenement House , Troutman Street, Brooklyn, NY	-- 12
238.	1905 -- Wood Alcohol Poisoning , NYC, NY	-- >25
239.	1905 -- Feb 01, Sleigh and Train Collision , Shawmut Crossing, near Arkport, NY	-- 10
240.	1905 -- Feb 27, Floor Collapse/Fire Scare/Trampling , Church Service, Brooklyn NY--11	
241.	1905 -- Mar 14, Fire, Tenement , Allen St., New York City, NY	-- 20
242.	1905 -- Aug 8, Bldg. Collapse , John G. Myers Dry Goods Store, Pearl St., Albany, NY--13	
243.	1905 -- Sep 11, 9 th Avenue Elevated Train Derails on 53 rd Street Curve, NY, NY	-- 12
244.	1906 -- Jan 09, Landslide , Haverstraw, NY	-- 22
245.	1907 -- Feb 16, Electric Train Derailment , Harlem Div., NY Central Rail, Bronx	--23-24
246.	1907 -- Apr 10, Bark Adolph Obrig lost after sailing from NYC, NY	-- 18

⁴⁵⁰ 99 civilian deaths, 98 at Buffalo. 256 NY military deaths. 178 military deaths in NY, especially at Fort Wikoff.

New York (continued)

247.	1907 --	Diphtheria and Croup , esp. NYC (1,700) (subset of 10,154 U.S. deaths)	10,154
248.	1907 --	Influenza , NY State (over 10,066 deaths in “registration” areas)	--2,204
249.	1907 --	Summer-Autumn (Sep peak), Polio Epidemic, NY, esp. greater NYC ⁴⁵¹	100-125
250.	1907 --	Scarlet Fever , especially NYC (832) (subset of 4,309 deaths nationwide)	--1,084
251.	1907 --	Typhoid Fever (NY subset of approximately 13,000 U.S. typhoid deaths)	--1,702
252.	1907 --	July 28, Fire, Tenement House , 222 Chrystie Street, East Side, NYC, NY	--19-20
253.	1909 --	Mar 03, Fire, Tenement Building , 374 Seventh Avenue, NYC, NY	-- 10
254.	1909 --	May 12, Dynamite Explosion, Calanan Quarry , South Bethlehem, NY	-- 23
255.	1909 --	July 18, Sloop Roxana Capsizes, and other Drownings , N. Y. Bay	--19-22
256.	1909 --	Aug 9, Heat , NYC, NY	-- 45
257.	1909 --	Nov 08, Explosion, Fire , Robert Morrison Comb Factory, Brooklyn NY ⁴⁵²	--10-12
258.	1909 --	Dec 25-26, Winter Storm , No. Atlantic States, especially NYC, NY ⁴⁵³	-- 18
259.	1910 --	Polio Outbreak (present every month), NY ⁴⁵⁴	-- 170
260.	1910 --	June 21-24, Heat , New York City, NY	-- 16
261.	1910 --	Oct 01, Battleship New Hampshire Launch Capsizes , Hudson River, NY	--23-31
262.	1910 --	Dec 19, Train Crash/Gas Explosion , Grand Central Station yard, NYC, NY--	10
263.	1911 --	Diphtheria and Croup , NYC, NY	--1,281
264.	1911 --	Measles , NYC, NY	-- 659
265.	1911 --	Scarlet Fever , NYC, NY	-- 741
266.	1911 --	Mar 25, Fire, Triangle Shirtwaist Company , NYC, NY	--146-147
267.	1911 --	Jun 30, Collapse of Pumping Station Roof , Buffalo, NY	-- 9-10
268.	1911 --	Jul 2-13, Heat , especially NYC, NY	--169-312
269.	1911 --	Aug 25, Train Derailment , Lehigh Valley Rail Road, Manchester, NY	-- 29
270.	1911 --	Sep 16, Race Car Crashes through Fence , Syracuse State Fair, NY	-- 10
271.	1911 --	Nov 12, Storm, Steam Barge lost off NY Harbor , NY	-- 14
272.	1912 --	Diphtheria and Croup , NYC, NY	--1,125
273.	1912 --	Measles , NYC, NY	-- 671
274.	1912 --	Mar 24-June 8, Pneumonia , NYC, NY	--1,314
275.	1912 --	Scarlet Fever , NYC, NY	-- 615
276.	1912 --	June 23, Pier/Dock Collapse , Eagle Park, Niagara River, near Buffalo, NY	-- 39
277.	1912 --	July 04, Trains Collide , East Corning, NY	-- 41
278.	1913 --	Diphtheria and Croup , NYC, NY	--1,333
279.	1913 --	Measles , NYC, NY	-- 368
280.	1913 --	June-Sep (esp. Sep), Polio Epidemic, Buffalo, NY	-- 57
281.	1913 --	June 24, Dust Explosion , Husted Milling Feed Grinding Plant, Buffalo NY	-- 33
282.	1913 --	July 22, Fire, Binghamton Clothing Company , New York City, NY	-- 35
283.	1914 --	Influenza and Pneumonia , NYC, NY	--10,500
284.	1914 --	Measles , NYC, NY	-- 367
285.	1914 --	Scarlet Fever , NYC, NY	-- 451

⁴⁵¹ The NYC epidemic was “the first major epidemic event” of polio in the U.S. Rutland County, Vermont had a smaller epidemic in the summer of 1894, with 18 deaths and much paralysis amongst survivors.

⁴⁵² Not cross-listed in Explosions in that it appears that all the fatalities were fire-related.

⁴⁵³ Subset of larger fatality total of 20-26, including CT and MA.

⁴⁵⁴ Only Pennsylvania, with 269, had more reported polio fatalities.

New York (continued)

286.	1915 --	Measles, NYC, NY	--	630
287.	1915 --	Scarlet Fever, NYC, NY	--	291
288.	1915 --	Sep-Nov, Polio, especially children, NY	--	50
289.	1915 --	Dec-Jan 1916, Influenza and Pneumonia, especially NYC, NY	--	18,614
290.	1915 --	Nov 03, Steamer <i>Orteantan</i> sails from NY, NY, not heard from again, Lost--	36	
291.	1915 --	Nov 06, Fire, Essex Waist Company Diamond Factory, Brooklyn, NY	--	12
292.	1916 --	Diphtheria, especially children	--	1,518
293.	1916 --	Jan 4, Gas Fumes Explosion, Oil Tank Steamer <i>Aztec Norge</i> , Erie Basin, NY--	13	
294.	1916 --	Apr 07, Schooner <i>Bertha L. Barker</i> Founders, New York, NY	--	13
295.	1916 --	esp. July-Sep, Polio Epidemic, especially children, especially NYC, NY	--	3,331
296.	1916 --	Jul 12-Aug 9 and 23 rd , Heat Wave, NYC, NY	--	33-34
297.	1916 --	Jul 17, Steamer <i>C.W. Morse</i> leaves NY, NY, not heard from again/lost	--	25
298.	1916 --	Dec 26, Steamer <i>Orleanian</i> founders, storm, Atlantic, out of NYC	--	36
299.	1916 --	Dec (late), Steamer <i>Maryland</i> lost, Atlantic, 300 miles off NY	--	26
300.	1917 --	Jun 13, Dust Explosion and Fire, Sugar Refining Plant, Brooklyn, NY	--	12
301.	1917 --	July 1, Slide, RR embankment, Train goes in Niagara Riv. Niagara Co., NY--	12	
302.	1917 --	Polio, esp. June-Sep, esp. children, esp. NYC (subset $\geq 1,182$ US polio deaths)--	115	
303.	1918 --	Polio, especially children, Staten Island, NY	--	~100
304.	1918 --	Typhoid Fever (NY subset of 9,100 U.S. Typhoid Fever deaths)	--	576
305.	1918 --	July 02, Explosion/Fire, Semet-Solvay Co. TNT Plant, Split Rock, NY	--	50
306.	1918 --	Aug 27, USS <i>SC-209</i> Sub Chaser Sunk by USCG, S. of Long Island, NY	--	17-18
307.	1918 --	Sep-Apr 1919, Influenza and Pneumonia Epidemic, NY		65,622
		1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, NY		46,993
		1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, NY		18,729
308.	1918 --	Nov 01, Train Derailment, Rapid Transit, Brooklyn, NY	--	97
309.	1919 --	Jan 12, Trains Collide (rear-end), NY Central Railroad, South Byron, NY	--	20-22
310.	1919 --	Apr 28 U.S. Navy Launch Hits Log, Capsizes, Hudson River, NY, NY	--	13
311.	1919 --	July 01, Trains Collide, Dunkirk, NY	--	12
312.	1919 --	Nov 22-Dec 5, Wood Alcohol Poisoning, New York City, NY	--	11-12
313.	1920 --	Diphtheria & Croup (NY subset, 13,395 deaths, 34 registration states) ⁴⁵⁵	--	1,931
314.	1920 --	Jan-Dec, Influenza and Pneumonia, esp. Buffalo, NYC, Syracuse, NY		21,734
315.	1920 --	Measles (NY subset of 7,712 measles deaths in 34 registration states)	--	1,177
316.	1920 --	Scarlet Fever (NY subset, 4,004 scarlet fever deaths, 34 registration states) ⁴⁵⁶	--	474
317.	1920 --	Typhoid Fever (NY subset, 6,805 typhoid fever deaths, 34 reg. states) ⁴⁵⁷	--	379
318.	1920 --	Whooping Cough (NY set, 10,968 whoop. cough deaths, 34 reg. states) ⁴⁵⁸	--	1,063
319.	1920 --	Apr 18, Steamer <i>William O'Brien</i> lost in Atlantic Storm, out of NYC	--	40
320.	1920 --	Jun 09, Trains Collide, near Schenectady, NY	--	15
321.	1920 --	Sep 16, Anarchist Bombing, Wall Street Bombing Terrorist Attack, NY	--	30-38
322.	1920 --	Oct 31, Explosion/Fire, Niagara Falls Power Co., N. Tonawanda, NY	--	13

⁴⁵⁵ NY had 5th highest reported State death rate, at 18.5 per 100,000 pop. (15.3 nat. avg.); Buffalo was at 60.1.

⁴⁵⁶ In terms of large loss of life to scarlet fever in a State, NY was 2nd behind PA with 497 such deaths. Rochester and Syracuse had the 8th and 9th highest city death rates (pop >100,000) at 9.4 & 9.2; average was 4.6.

⁴⁵⁷ In terms of large loss of life to typhoid fever in a State, NY tied with SC for 6th, behind PA, KY, OH, TN and IL.

⁴⁵⁸ New York was second, behind PA, in total deaths to whooping cough in 1920.

New York (continued)

323.	1921 --	Polio (Acute) esp. late Summer-Fall (NY subset of 1,597 U.S. polio deaths) ⁴⁵⁹	--272
324.	1921 --	Nov 14, Fire, Tenement House , 108 West 17 th St., NYC, NY	--10-12
325.	1921 --	Dec 24-Jan 3, Wood Alcohol Poisoning , NYC	-- 10
326.	1922 --	June 11, Severe Storm , NY and New England, particularly NYC, NY	-- 60
327.	1922 --	Sep 5-11, Wood Alcohol Poisoning , NYC, NY	-- 11
328.	1922 --	Oct 22, Fire, Apartment House , Lexington Avenue, New York, NY	-- 15
329.	1923 --	Feb 18, Fire, Manhattan State Hospital for Insane , Ward's Island, NY	-- 27
330.	1923 --	Apr 27, Fire, Tenement Building , East 109 th Street, New York, NY	-- 12
331.	1924 --	Feb 19, Fire, Tenement House , Madison Street, New York, NY	-- 14
332.	1925 --	June, Heat , New York State and New York City, NY	-- 439
333.	1926 --	Feb 22, Hotel Fire, Schindler's Prairie House , Hurleyville, NY	--11-12
334.	1926 --	July 14, Hotel Fire, Twilight Inn , Haines Falls, NY	-- 14
335.	1926 --	July 22-Aug 2, Wood Alcohol Poisonings , Buffalo, NY and vicinity	-- 45
336.	1926 --	July 21-23, Heatwave , especially New York City, NY	--16-20
337.	1926 --	Jul 22, Bus with Brooklyn excursionists Overturms , near Nyack, NY	-- 10
338.	1926 --	Dec 20, Motor Launch Linseed King hits ice, sinks , Hudson River, NYC	--35-58
339.	1927 --	July 12-17, Heatwave , especially New York City and Upper NY State	--38-45
340.	1928 --	May 07, US Army dredge Navesink hits Swinburne, sinks ~Stapleton, NY	--17-18
341.	1929 --	July 09, Train Derails/Hit by Train , Erie Railroad, near Corning, NY	-- 12
342.	1929 --	Dec 10, Fire (lamp), Pathe Film Studio , Manhattan, NYC, NY	-- 10
343.	1930 --	July 29, Sandsucker George J. Whelan capsizes and sinks , off Dunkirk, NY	-- 15
344.	1931 --	Epidemic Cerebrospinal Meningitis ⁴⁶⁰ (NY subset, ⁴⁶¹ 2,832 US "ECM" deaths)	--278
345.	1931 --	Diphtheria , especially children (NY subset, 5,738 U.S. diphtheria deaths)	-- 283
346.	1931 --	Influenza (NY subset of 31,701 influenza deaths nationwide)	--1,552
347.	1931 --	Measles , especially children (NY subset, 3,576 measles deaths nationwide) ⁴⁶²	--250
348.	1931 --	Summer, esp. June 22-July 29, Heat Waves , especially New York City, NY	-- 88
349.	1931 --	July-Oct (Aug peak), Polio (NY subset, 2,139-2,144 U.S. polio deaths) ⁴⁶³	-- 671
350.	1932 --	Sep 09, Explosion, Steam Screw Observation , East River off Manhattan NY	-- 72
351.	1933 --	Sep 5, Passenger and Milk Trains Collide , Erie Railroad, Binghamton NY	--14-23
352.	1934 --	July 22, Bus with defective brakes runs off road, Burns , Ossining, NY	--19-20
353.	1935 --	Jan 25, Ships Collide, Liner SS Mohawk/Freighter Talisman , off NJ/NY	-- 46
354.	1935 --	July 7-11, Flooding , Mohawk & Upper Susquehanna Rivers, NY	-- 30
355.	1936 --	July 1-14, Heat Wave , especially New York City, NY	-- 117
356.	1937 --	Aug 11, Heavy Rain, 3 Tenement Bldgs. Collapse , New Brighton, S.I., NY	--19-23
357.	1938 --	Aug 3-4, Heat Wave , especially Upstate or Northern NY	-- 19
358.	1938 --	Sep 21, New England Hurricane "Long Island Express," Long Island, NY	--100
359.	1939 --	Influenza & Pneumonia (NY subset, 99,097 U.S. flu & pneumonia deaths)	--7,939
360.	1939 --	Whooping Cough (NY subset of 3,026 U.S. whooping cough deaths)	-- 136

⁴⁵⁹ New York led the nation in polio deaths in 1921. Illinois was second with 150 polio deaths.

⁴⁶⁰ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁴⁶¹ NY State led the nation in cerebrospinal meningitis deaths in 1931.

⁴⁶² NY had 4th highest mortality from measles in nation in 1931, behind PA (442), IL (357) and MO (272).

⁴⁶³ NY State led the Nation in polio deaths in 1931. Next was NJ at 142. NYC had over 500 polio deaths, with the epicenter, as in 1916, in Brooklyn. There were days when 7 or more died, and dozens of new cases reported.

New York (continued)

361.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	18
362.	1940 -- Influenza & Pneumonia (NY subset, 92,525 US flu and pneumonia deaths)--	6,597	
363.	1940 -- Whooping Cough (NY subset of 2,926 US whooping cough deaths)	--	141
364.	1940 -- Apr 19, Train Derails , NY Central <i>Lake Shore Limited</i> , Little Falls, NY	--	30
365.	1940 -- Jun 17, Two USAAF Bombers Collide/Crash , Bellerose Manor, Queens, NY--	12	
366.	1941 -- Aug 18, Fire , NY & Cuba Mail Steamship Co. Piers, <i>Panuco</i> , Brooklyn, NY--	34-35	
367.	1942 -- Sep 11, P-40 Warhawk Plane Crash , Curtiss-Wright Plant, near Buffalo, NY--	14	
368.	1942 -- Nov 06, Gunpowder explosion , Rochester Fireworks Co., East Rochester, NY--	11	
369.	1942 -- Nov 28, Fire/trampling/suffocation , Cocoanut Grove Nightclub, Boston, MA ⁴⁶⁴ --	12	
370.	1942 -- Dec 31, Maiden Creek founders and sinks , off S. Long Island, NY	--	20
371.	1943 -- Apr 19, Cabin Cruiser Legionnaire Sinks , South Bay, off Long Island, NY--	10	
372.	1943 -- Aug 18, USN Patrol Plane, VP-210, Crashes off Montauk Pt. Long Isl, NY--	12	
373.	1943 -- Aug 30, Train Collision , Lackawanna Limited, near Wayland, NY	--	28-29
374.	1943 -- Dec 14, War workers bus/tractor trailer collide, bus burns , ~Campbell, NY--	11	
375.	1943 -- Dec 24, Fire, Standard Hotel , West 42 nd Street between 9 th and 10 th , NYC, NY--	19	
376.	1944 -- Cerebrospinal Meningitis (NY set, 2,812 cerebrospinal meningitis deaths)	--	326
377.	1944 -- Influenza (NY subset of 17,320 U.S. influenza deaths), esp. Jan-Apr, Dec	--	515
378.	1944 -- Polio , the year, especially July-Nov (NY subset 1,070 U.S. polio deaths)	--	342
379.	1944 -- Jan 03, USS Turner, Ammunition Explosions, Sinks , NY Harbor, NY	--	138
380.	1944 -- Dec 27, USAAF B-24J Plane Crash , near Mattituck, Long Island, NY	--	11
381.	1945 -- Feb 5, Tanker Spring Hill hit/explosion/fire , off Stapleton, Staten Isl., NY--	19-20	
382.	1945 -- Mar 10, USAAF B-24 Crash , Atlantic, ~Montauk Point, Long Island, NY	--	12
383.	1945 -- July 28, Plane Crash, B-25D Bomber, Empire State Building in Fog , NY--	14	
384.	1946 -- Polio , especially July-Nov (NY subset of 1,845 polio deaths nationwide)	--	64
385.	1946 -- Dec 12, Fire, vacant Knickerbocker Ice Plant wall falls onto Tenement, NYC--	37	
386.	1947 -- May 14, Fire, Minerva Film Co. , Rome, NY	--	23
387.	1947 -- May 29, Plane Crash/Fire, United Air 521 on Take-off , La Guardia, NY	--	43
388.	1947 -- Dec 26, Snow Storm , NY	--	17
389.	1948 -- Feb 13, Fire, Apartment Building , Hoage family, Cedar Street, Utica, NY	--	11
390.	1948 -- June 17, United Air Lines Flight 624 Crash , Mt. Carmel, ~Shamokin, PA ⁴⁶⁵ --	43	
391.	1949 -- Polio , especially July-Nov (NY subset of ~2,725 polio deaths nationwide)	--	320
392.	1950 -- Polio , especially July-Nov (NY subset of 1,904 polio deaths nationwide)	--	186
393.	1950 -- Feb 17, Train Accident , Rockville Centre Station, Rockville Centre, NY	--	31
394.	1950 -- Sep 04, Plane Crash, Robinson Air #32 , Utica-Oneida County, NY	--	16
395.	1950 -- Nov 22, Commuter Trains Collide , New York City, Queens, NY	--	79
396.	1950 -- Nov 24-27, East US "Storm of the Century," Subset for NY	--	36
397.	1950 -- Dec 18, Tug Sachem sinks , Lake Erie, off Dunkirk NY	--	12
398.	1951 -- Polio , especially July-Nov (NY subset of 1,551-1,555 U.S. polio deaths) ⁴⁶⁶	--	61
399.	1951 -- Sep 1, Deep-Sea Fishing Boat capsizes off Montauk Pt. , Long Island, NY--	37-45	
400.	1951 -- Dec 29, Plane Crash, Continental Charters 44-2 , near Salamanca, NY	--	26
401.	1953 -- Polio , especially children (NY subset of 1,450 polio deaths nationwide) ⁴⁶⁷	--	119

⁴⁶⁴ Cross-listed in New York in that 12 of the 498 fatalities were of New York residents.

⁴⁶⁵ Cross-listed in NY in that 17 of the 43 fatalities were from New York.

⁴⁶⁶ NY was 6th deadliest state for polio in 1951, behind TX with 183, CA with 156, IL with 94, WI/74, MI/62.

New York (continued)

402.	1953 -- Sep 16, Plane Crash, American Air Flight 723 , Albany, NY	--	28
403.	1953 -- Sep 23, Explosion, Organic Peroxides Plant , Tonawanda, NY	--	11
404.	1953 -- Nov 12-23, Smog , New York City	--150-260	
405.	1954 -- Mar 31, Fire, Cleveland Hill Elementary School , Cheektowaga, NY	--	15
406.	1954 -- Oct 15-16, Hurricane Hazel , NY	--	19
407.	1954 -- Nov 7, CO Fumes , Faulty Gas Water Heater, kill family and guests, NYC, NY-	10	
408.	1954 -- Dec 18, Plane Crash, Linee Aeree Italiane 451 , Idlewild IAP, NY	--	26
409.	1955 -- Feb 01, Oil Stove Fire (11 children), Tenement, Schuyler St., Amsterdam, NY--	12	
410.	1956 -- Dec 3, Luckenbach Steamship Pier Fire, Detonators Explode , Brooklyn, NY ⁴⁶⁸	10	
411.	1957 -- Feb 01, Plane Crash-Takeoff, Northeast Flight 823 , Rikers Island, NY	--20-21	
412.	1957 -- Oct 20-Nov 2, Asian Influenza/Pneumonia Epidemic , NYC and up-state	--	427
413.	1957 -- Nov 16, Fire, Tenement (ex-Moonglow Hotel), Allen Ave., Niagara Falls, NY--	18	
414.	1958 -- Feb 22-March 4, Bootleg Wood Alcohol Poisoning , Puerto Ricans, NYC	--	27
415.	1958 -- March 19, Fire and Floor Collapse, Monarch Underwear Co. , NYC, NY	--	24
416.	1959 -- Feb 03, Plane Crash, American Flight 320 , into East River, NYC, NY	--	65
417.	1960 -- Mar 2-5, Snowstorm , NY	--	13
418.	1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave , NY ⁴⁶⁹	--	54
419.	1960 -- Dec 16, Plane Collision, United/TWA Staten Island/Brooklyn , NY	--	134
420.	1960 -- Dec 19, U.S.S. Constellation fire , New York Naval Shipyard, NY	--	50
421.	1962 -- Mar 01 Plane Crash, American Air Flight 1 , Jamaica Bay, Queens, NY	--	95
422.	1962 -- July 25, Brakes fail, propane LPG tanker truck crash/explos./fire, Berlin, NY ⁴⁷⁰ --	10	
423.	1962 -- Oct 03, Boiler Explosion , NY Telephone Co. Office, Manhattan, NY	--	23
424.	1962 -- Nov 30, Plane Crash on approach in Fog, Eastern Air Flight 512 , Jamaica, NY-	25	
425.	1963 -- Nov 3, Car goes through inoperable dead-end warning in Harlem Riv., NYC-	11	
426.	1965 -- Feb 08, Plane Crash, Eastern 663 , Ocean off Jones Beach State Park, NY	--	84
427.	1965 -- Dec 20, Arson Fire, Jewish Community Center , Yonkers, NY	--	12
428.	1966 -- Jun 16 (& 28), Collision/Explosions/Fire, Texaco Mass./Alva Cape , off NY, NY ⁴⁷¹ --	37	
429.	1966 -- July, Heat Wave , excess deaths, NYC	--1,181	
430.	1966 -- Aug, Environmental (Smog) , New York City, NY	--	168
431.	1966 -- Oct 17, Fire, Mercantile Building , New York City, NY	--	12
432.	1967 -- June 23, Plane Fire/Crash, Mohawk Air Flight 40 , Near Blossburg, PA ⁴⁷² --	34	
433.	1967 -- Oct 09, SS Panoceanic Faith (homeport NY) founders , North Pacific	--36-37	
434.	1968 -- Jan 09, Fire, Paper Box Factory and Tenement/Apt. House , Brooklyn, NY--	13	
435.	1968 -- July 18, Fire, Dwelling (9 children, 2 adults), St. Albans sec., Queens, NY	--	11
436.	1968 -- Dec 1-Feb 1, 1969, A2 Hong Kong Influenza-Pneumonia Epidemic , NYC	--1,372	
437.	1969 -- Feb 25, Fire, Rosen Architectural Office , Fifth Ave., Manhattan, NYC, NY--	11	
438.	1969 -- Nov 19, Plane Crash, Mohawk Air 411 on approach , near Glenn Falls, NY--	14	

⁴⁶⁷ New York was second, behind California, in the most polio deaths in a state in 1953.

⁴⁶⁸ Cross-listed in Explosions. Fire was the precipitating event. All deaths, though, were due to the explosion.

⁴⁶⁹ NY subset of 108-268 fatalities overall.

⁴⁷⁰ The driver died in hospital, nine people died of burns from the LPG explosion.

⁴⁷¹ 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.

⁴⁷² Cross-listed here in that the NY-based plane originated in Syracuse and included amongst its fatalities at least 10 New York residents – nine passengers and the Captain. Three other crew members were killed – probably from NY.

New York (continued)

439.	1969 -- Dec 18, Fire, Tenement , Brooklyn, NY	--	10
440.	1970 -- Sep 08, Plane Crash on Takeoff, Trans International Air 893 , JFK AP, NY--	11	
441.	1971 -- Sep 9-13, Attica Prison Riot and Government Re-taking of Prison, Attica, NY--	39	
442.	1972 -- July 11-25, Heat Wave , New York City, NY	--	891
443.	1972 -- Mar 03, Plane Crash, Mohawk Airlines N7818M , Albany, NY	--	17
444.	1972 -- Jun 20-25, Flooding and Helicopter Crash, Hurricane Agnes , NY	--	26
445.	1973 -- Feb 10, Fire/Gas Explos./LNG Tank Concrete Roof Falls, Staten Island , NY--	40	
446.	1973 -- Jun 02, Ship collision/explos., Sea Witch/Esso Brussels , NY Harbor, NY	--	16
447.	1974 -- Jun 30, Fire, Gulliver's Discotheque , Port Chester, NY	--	24
448.	1975 -- Jun 24, Plane Crash, Eastern Airlines 66 , Microburst, JFK Airport, NY	--	113
449.	1975 -- Dec 29, Bomb Explosion, LaGuardia AP Terminal , Brooklyn, NY	--	13
450.	1976 -- Feb 04, Fire, Tenement House , New York, NY	--	10
451.	1976 -- Oct 23, Fire, Puerto Rican Social Club , Bronx, NY	--	25
452.	1976 -- Dec 22, Fire, Department Store , Fulton St., Brooklyn, NY	--	12
453.	1977 -- Jan 27-Jan 31, Winter storm/Blizzard , Buffalo & western NY	--	26-29
454.	1978 -- Nov 26, Fire, Holiday Inn , Greece, NY	--	10
455.	1980 -- June-Aug (especially) Heat , ICD-9 E900 excessive natural heat, esp. NYC	--	24
456.	1980 -- July 24, Explosion/Fire , Vogue Metal Crafts Co./Metgal Mfg., Queens, NY	--	11
457.	1980 -- Oct 24, SS Poet leaves Philadelphia for Egypt, lost , probably Oct 25-26 ⁴⁷³	--	34
458.	1980 -- Dec 4, Fire, Conference Ctr. at Stouffer's Inn (possibly arson), ⁴⁷⁴ Harrison, NY	--	26
459.	1981 -- June-Aug (especially), Heat (esp. ICD-9 E900 code, excessive natural heat)	--	16
460.	1982 -- Jan 10-18, Winter Weather (Extreme Cold and Snow Storms)	--	14-16
461.	1983 -- Feb 11-12, Winter storm/blizzard especially NYC snow-removal heart attacks-	15	
462.	1984 -- March 28-30, Nor'easter , wind and snow storm, coastal, central, western NY--	~16	
463.	1984 -- Apr 15, Christopher Thomas "Palm Sunday Massacre," New York, NY	--	10
464.	1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228--	14	
465.	1987 -- Apr 5, Flooding/Schoharie Cr. bridge fails/vehicles fall , I90 ~Fort Hunter ⁴⁷⁵ NY-	10	
466.	1988 -- Summer Heat , NY	--	18
467.	1988 -- Dec 21, NY residents killed on Pan Am 103 bombing , Lockerbie Scotland ⁴⁷⁶ --	54	
468.	1989 -- Nov 16, Tornado , East Coldenham Elementary School, Newburgh, NY ⁴⁷⁷	--	9-10
469.	1989 -- Dec 15-19, Cold wave	--	14
470.	1990 -- Jan 25, Avianca #52 runs out of fuel/crashes , Cove Neck, Long Island, NY--	73	
471.	1990 -- Mar 25, Arson Fire, Happy Land Social Club , Bronx, NY	--	87
472.	1991 -- Measles , New York City, especially faith group non-immunized children	--	15
473.	1992 -- March 22, USAir 405, Ice on Wings , Crashes on Takeoff, LaGuardia, NYC--	27	
474.	1993 -- Mar 12-13 Eastern Seaboard "Superstorm of 1993," subset for NY	--	23

⁴⁷³ Cross-listed here in that the homeport was in NY.

⁴⁷⁴ 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.

⁴⁷⁵ 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.

⁴⁷⁶ Of the 270 killed (including 11 Lockerbie residents), 189 were U.S. residents.

⁴⁷⁷ 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.

New York (continued)

475.	1993 – Summer esp., Heat (NY subset of 311 U.S. heat deaths)	--	14
476.	1995 – Summer Heat , esp. NYC (NY subset of 1,563-1,601 US heat-related deaths)--	--	17
477.	1996 -- Jan 8-9, Snow Storm (Blizzard of '96), NY	--	11
478.	1996 -- Jan 19-20, Snow-melt, Rain and Flooding , esp. Delaware County, NY	--	10
479.	1996 -- July 17, TWA Flight 800 , from JFK, Fuel Tank Explodes , NY	--	230
480.	1998 -- Jan 7-9, Ice storm , northern NY ⁴⁷⁸	--	10
481.	1998 -- Sep 2, Swissair 111 crashes attempting emer. landing in Nova Scotia ⁴⁷⁹	--	27
482.	1999 -- July 4-6 esp., Heat , NYC, especially Brooklyn (14) and Manhattan (13)	--	>40
483.	2001 -- Summer esp., Heat, esp. NYC (NY subset of 378 U.S. heat-related deaths)	--	13
484.	2001 -- Sep 11, Terrorism , Amer. 11, United 175 hit World Trade Center, NYC	--	2,830
485.	2001 -- Nov 12, American Airlines flight 587 Crash , Bell Harbor, Queens, NY	--	265
486.	2002 -- Summer Heat (NY subset of 471 U.S. heat-related deaths)	--	10
487.	2003 -- Mar 11, US Army Blackhawk Helicopter Crash , Fort Drum, NY	--	11
488.	2003 -- Oct 15, Ferry Andrew J. Barberi hits pier, St George Terminal, Staten Isl. NY--	--	11
489.	2004 -- Summer, Heat , especially New York City, NY	-- ⁴⁸⁰	~13
490.	2005 -- Summer, Heat , especially New York City, NY	--	~140
491.	2005 -- Oct 2, Ethan Allen tour boat capsizes, Lake George, near Cramer Point, NY ⁴⁸¹ --	--	20
492.	2006 -- July 16-18, July 17-Aug 5, Heat , esp. New York City, also Long Island	--	~148
493.	2007 -- Mar 07, Fire, Row House , Bronx, NY	--	10
494.	2008 – Summer Heat (NY subset of 393 U.S. heat-related deaths)	--	15
495.	2009 -- Feb 12, Plane crash, Colgan Air/Continental Flight 3407 , Clarence Center, NY--	--	50
496.	2009 -- April 3, Mass Killings, Immigration Services Center , Binghamton, NY ⁴⁸²	--	13-14
497.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	206
498.	2010 -- July 4-7 and 24-25, Heat , especially New York City (10)	--	18
499.	2011 -- March 12, World Wide Travel Casino Tour Bus Crash , I-95, Bronx, NY	--	15
500.	2011 -- Summer Heat , especially New York City (22), NY (627 nationally)	--	34
501.	2012 – Summer Heat (NY subset of 598 U.S. heat-related deaths)	--	12
502.	2011 -- Aug 27-28, Hurricane Irene drownings, electrocution, car crash	--	13
503.	2012 -- Oct 29-30, Hurricane Sandy , especially NYC and Long Island, NY ⁴⁸³	--	65-66
504.	2013 -- Summer esp., Heat, NY	--	26
505.	2014 -- Nov 18-21, Lake-Effect Snow , Greater Buffalo area, NY	--	12-13
506.	2015 -- July-mid Aug, Legionnaires' Disease , South Bronx, New York City, NY	--	12
507.	2016 – Jan 22-23, Snow Storm Jonas , New York City and Long Island, NY	--	10

Select Other **New York** Loss of Life Events:

1668 -- Yellow Fever Outbreak, New York, NY	--	>10
--	----	-----

⁴⁷⁸ Four CO poisoning, two falls, one each from woodstove fire, heart attack, hypothermia, trauma (worker thrown from bucket of truck during restoration).

⁴⁷⁹ All aboard NY to Geneva flight died (229), of which 117 were U.S. citizens and 27 were from New York.

⁴⁸⁰ The approximately sign (~) is used to indicate that this is the average number of heat deaths in NYC from 2000-2011. We know that there was a heat-related death on Long Island.

⁴⁸¹ Cross-listed in Michigan in that 19 of 20 fatalities were tourists from Michigan.

⁴⁸² Shooter shoots and kills thirteen people and then shoots himself fatally.

⁴⁸³ Subset of 154-155 hurricane-related fatalities nationwide.

Select New York Other Loss of Life Events (continued)

1800 -- Yellow Fever Outbreak, New York City, NY	--	21
1819 -- Yellow Fever Outbreak, NYC, NY	--	37
1821 -- Yellow Fever Outbreak, NYC, NY	--	16
1853 -- Jan 16-March 26, Smallpox , New York City, NY	--	≥36
1853 -- Mar 21-26, Smallpox , NYC, NY	--	10
1860 -- Tuberculosis ("consumption") (NY subset of 49,082 death nationwide) ⁴⁸⁴	--	8,199
1868 -- July 05, Lightning , Orange County, NY	--	9
1870 -- Tuberculosis (Consumption) (NY subset of ~70,000 TB deaths nationwide)	--	11,578
1870 -- Yellow Fever , Governor's Island Quarantine Station, NYC, NY	--	103
1873 -- Yellow Fever , NYC	--	18
1879 -- Smallpox outbreak begins; intermittent for two years in NY, NY	--	15
1879 -- June-May 1880, Tuberculosis (NY subset of 91,270 TB deaths nationwide)	--	5,849
1880 -- Jan-Dec, Smallpox , NY	--	38
1891 -- July 27, Minister's Family Buggy hit by Train at Grade Crossing, Elmira, NY	--	6
1893 -- Aug 03, Steamer Rachel Sinks, Lake George, ~Fourteen Mile Island Hotel, NY	--	9
1895 -- Jun 16-22, Scarlet Fever , Binghamton, NYC, Oneonta, Yonkers	--	17
1900 -- Tuberculosis (130,268 NY deaths all causes) (109,750 US TB deaths)		14,110
1907 -- Tuberculosis , especially NYC (8,909) (subset of 76,650 deaths nationwide)		14,390
1909 -- Aug 30, Fire, St. Malachy's Home for Children , Far Rockaway Beach, NY	--	7
1910 -- Auto Racing Accident , Long Island Motor Parkway, NY	--	4
1911 -- July 4, Swimming Drownings , NYC, NY	--	9
1911 -- Nov- Dec, Tuberculosis , NYC, NY	--	1,709
1912 -- Jan 1-Jun 8, Tuberculosis , NYC & NY State	--	6,661
1914 -- Polio , especially Summer and Fall, especially children, especially NYC (34), NY	--	69
1914 -- Feb 25~, Wood Alcohol Poisoning , Italian Wedding Party, NYC, NY	--	3
1916 -- Oct 17, Fire/poisonous fumes, Oakes Manufacturing Co., Long Island City, NY	--	9
1919 -- Dec 25-30, Wood Alcohol poisoning , Brooklyn, Buffalo, especially NYC	--	9
1920 -- Tuberculosis , especially NYC, Buffalo, Rochester, Yonkers		11,809
1922 -- Sep 23, US Bomber Crashes , "Flying Circus", Mitchel Field, Mineola, NY	--	6
1927 -- Polio (Acute) esp. late Summer and Fall (NY subset, 2,013 polio deaths nationwide)	--	29
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (NY subset of 1,997 U.S. diphtheria deaths)	--	36
1939 -- Malaria (NY subset of 1,761 malaria deaths nationwide)	--	20
1939 -- Tuberculosis (NY subset of 61,609 tuberculosis deaths nationwide) ⁴⁸⁵	--	5,889
1940 -- Malaria (NY subset of 1,442 U.S. malaria deaths)	--	26
1940 -- Polio (NY subset of 1,026 polio deaths nationwide)	--	15
1940 -- Tuberculosis (NY subset of 55,576 tuberculosis deaths nationwide)	--	5,851
1941 -- Measles , especially children (NY subset of 2,279 measles deaths nationwide)	--	47
1944 -- Measles , especially Jan-June (NY subset of 1,923 measles deaths nationwide)	--	38
1944 -- Tuberculosis (NY subset of 54,731 tuberculosis deaths nationwide) ⁴⁸⁶	--	6,045
1944 -- Whooping Cough (NY subset of 1,878 whooping cough deaths nationwide)	--	61
1950 -- Measles , especially children (NY subset of 468 measles deaths nationwide)	--	20

⁴⁸⁴ Was the leading reported cause of death in the State and in the U.S. in 1860.

⁴⁸⁵ About ten percent (9.5) of all U.S. tuberculosis deaths in 1939 were in New York State (with ~10% US pop.).

⁴⁸⁶ Over ten percent (11.04) of all U.S. tuberculosis deaths in 1944 were in New York State (with ~10% US pop.).

Select **New York** Other Loss of Life Events (continued)

1956 -- Dec 14-15, Winter Snow , sleet and ice storm, East Coast, esp. NY	--	9
1959 -- Dec 25, Car collides with concrete abutment , Hwy 9-W near Haverstraw, NY	--	8
1970 -- Jul 15, Hillel Day School, L.I., NY, Charter Bus Wreck , ~New Smithville, PA	--	7
1972 -- Mar 24, High School Bus fails to stop at crossing, hit by Train, Congers, NY	--	5
1975 -- Jan 24, Terrorism, Fraunces Tavern FALN Bomb , NYC, NY	--	4
1977 -- Aug 3, Terrorism, FALN Bombings , Manhattan, NY	--	1
1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196	--	7
1983 -- Summer Heat , esp. July-Aug, 9 counties, (subset of 597 U.S. heat deaths)	--	9
1985 -- Sep 27-28, Hurricane Gloria , especially Long Island, NY	--	5-6
1991 -- Dec 28, Trampling/crushing , Nat Holman Gym basketball game, City College, NY--	9	
1992 -- Dec 11-12, East Coast Nor'easter and Flooding (Particularly NY)	--	9
1993 -- Feb 26, World Trade Center Terrorism Bombing , NY	--	6
1994 -- July 08, Lightning , Parma, Monroe County, NY	--	2
1995 -- July 15, Thunderstorms (Derecho) , Eastern NY	--	5
1997 -- Feb 23, Middle East Terrorism, Shooting, Empire State Building , NYC, NY	--	1
2017 -- Oct 31, Islamic Terrorist drives down bikers/pedestrians , Manhattan NYC, NY--	8	

Breakout of **New York** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 143 -- **Disease**, select communicable, especially epidemics. (Plus 33 in "Other.")
- 89 -- **Maritime and Inland Waterways**. (Plus one with 9 deaths in "Other.")
- 80 -- **Fire, structural** (Plus one with 9 fatalities and one with 7.)
- 42 -- **Heat**. (Plus 2 years <10 deaths: 7 in 1982 and 9 in 1983.)
- 38 -- **Rail**.
- 32 -- **Aviation** (Includes NY resident deaths on Pan Am 103, Lockerbie, Scotland in 1988.)⁴⁸⁷
- 32 -- **Violence** (Includes NY resident deaths on Pan Am 103, Lockerbie, Scotland in 1988.)
- 20 -- **Explosions**
- 17 -- **Winter Storms/Cold**. (Plus two with nine fatalities each.)
- 15 -- **Structural Failure**
- 9 -- **Vehicular/Road/Highway**⁴⁸⁸ Plus 5 – one with 8, one with 7, two with 6 and one with 5.
- 6 -- **Flooding**.
- 6 -- **Hurricanes**. (Plus one with 5-6 fatalities in "Other.")
- 6 -- **Wood Alcohol Poisonings** (plus two -- 3 deaths in 1914 and 9 in 1919.)
- 3 -- **Landslides/Mudslides/Debris Flows**
- 2 -- **Environmental (Smog)**
- 1 -- **Carbon Monoxide Poisoning**
- 1 -- **Drownings (non-maritime)**. Plus one with nine deaths in "Other."
- 1 -- **Mining**. (Cross-listed in Landslides.)
- 1 -- **Severe Summer Thunder/Wind Storm**. (Plus one storm in 1995 with 5 deaths.)
- 1 -- **Tornado**.
- 0 -- **Auto Racing (but one in "Other" with four deaths).**

⁴⁸⁷ Also includes 9-2-1998 Swiss Air flight crash off Nova Scotia, Canada killing twenty-seven New Yorkers.

⁴⁸⁸ This includes a train hitting a sleigh at a road crossing and a race car hitting spectators.

0 -- Lightning (but **two** in “Other” – one with two and one with nine deaths)

1. 1585, June-June 1586 -- **Disease**, Natives visited by English from Roanoke Colony, NC>360
2. 1711 -- Sep 22, Tuscarora **Massacre** of White Settlers, Bath County, NC -->130-140
3. 1712 -- Jan 28, NC/SC Militia, Indian allies retaliate against Tuscaroras, Craven Co. NC-300
4. 1738 -- **Smallpox** Epidemic, Catawba/Cherokee Indian Nations, Charleston, SC⁴⁸⁹ --~4,011
5. 1752 -- Sep 15, **Hurricane**, maritime and on-land, especially Johnston, NC⁴⁹⁰ -- ≥10
6. 1771 -- May 16, Violence, "**Regulators**" Uprising, Battle of Alamance, Alamance, NC-300
7. 1772 -- Sep 01, **Maritime Tropical Storm** grounds 14 vessels, Ocracoke Bar, NC -- 50
8. 1800 -- **Yellow Fever** Outbreak, Wilmington, NC -- 86
9. 1806 -- Aug 21-23, coastal **Hurricane**, Wilmington, Cape Fear, and other **Maritime**⁴⁹¹-- ≥10
10. 1832 -- Aug 9-Oct 31, **Cholera** Outbreak, esp. Edenton and Elizabeth City, NC -- 41
11. 1834 -- Oct, **Cholera**, Washington, NC -- 10
12. 1837 -- Oct 9, **Hurricane "Racer's Storm,"** Steamer *Home* Wrecks off Ocracoke NC-90-100
13. 1838 -- June 14, Steamer *Pulaski* boiler explodes/sinks off Cape Lookout, NC --100-141
14. 1840 -- Mar 25, Brig *Escambia* founders betw. Frying Pan Shoals/Cape Lookout, NC-12-15
15. 1854 -- Mar 08, Schooner *Robert Walsh* lost off Cape Hatteras, NC -- 10
16. 1858 -- Feb 17, Steamer *Magnolia* boiler explos., Cape Fear River, White Hall, NC --11-20
17. 1860 -- **Typhoid Fever** (subset of 19,236 deaths in 38 "registration" States and DC --1,009
18. 1860 -- **Whooping Cough** (NC subset of 8,408 whooping cough deaths nationwide)⁴⁹²-- 400
19. 1862 -- Dec 31, **Iron Clad USS Monitor** sinks in storm off Cape Hatteras, NC --16-20
20. 1863 -- ~Jan 18, **Shelton Laurel Massacre**, Rebels murder Unionists, Madison Co., NC-- 13
21. 1863 -- Aug 21, USS *Bainbridge* Capsizes, **Hurricane**, off Cape Hatteras, NC --80-90
22. 1863 -- Dec 13, Steamer *Quincy* founders, Cape Hatteras, NC -- 16
23. 1864 -- Apr 20-22, Rebels kill black soldiers, runaway slaves, others, Plymouth, NC-300-400
24. 1864 -- May 26, **Torpedo Mine Explos.**, Bachelor's Creek Station near New Bern, NC-40-93
25. 1864 -- Sep-Oct,⁴⁹³ **Yellow Fever Epidemic**, New Bern, also Beaufort, NC --1,359
26. 1865 -- Mar 31, Steam Transport *General Lyon* burns off Cape Hatteras, NC --400-500
27. 1865 -- Dec 26-27, **Fog**, Steamer *Constitution* grounds, Cape Lookout shoals, NC --30-48
28. 1867 -- Feb 10, Steamer *City of Bath* fire off Cape Hatteras, NC -- 22
29. 1867 -- Mar 03, Propeller steamer *Andalusia* fire and drownings, off Hatteras, NC -- 12
30. 1868 -- June ~15, **Brit. Bark Istria** wrecks, Diamond Shoals off Cape Hatteras, NC -- 23
31. 1869 -- Jan 11, Steamer *Gulf City* grounds and breaks-up, Cape Lookout, NC --22-23
32. 1872 -- Nov-Dec, **Smallpox**, Summerville, Harnett County, NC -- 10

⁴⁸⁹ From descriptions of this outbreak it appears that most of the Native American fatalities were in South Carolina, as, of course, were all of the Charleston, SC deaths. Both the Catawbans and the Cherokees, however, resided in and moved back and forth between the two colonies. Thus some unknown number of Native Americans residing in what is now North Carolina, certainly died of smallpox in 1738. Given their dwindling population size, we have no reservations considering this a disastrous occurrence.

⁴⁹⁰ We are making an assumption of at least ten lives lost based on Rappaport and Partagas (National Weather Service notation of 103 deaths in North and South Carolina, and in reporting that the then capital of Onslow County, NC (Johnston) was virtually destroyed when "Virtually every building in town was reportedly wrecked...")

⁴⁹¹ NWS notes 42 deaths for this hurricane, 21 from the capsizing of the Rose In Bloom 20 miles off Barnegat Inlet, NJ. We have seen references to six specific NC deaths (five onshore and one body washed up on Core Banks [of Outer Banks]). Reported at the time that "many vessels were discovered wrecked upon the sandy shores of North Carolina" after storm moved north. We make assumption that at least four lives were lost this way. Thus our ≥10.

⁴⁹² In terms of large loss of life by State, NC was 5th behind VA at 921, NY at 708, PA with 477, and OH with 408.

⁴⁹³ There were a few deaths in early November, but the epidemic period was Sep-Oct before November frosts.

North Carolina (continued)

33.	1876 -- Mar 01, <i>Nuova Ottavia</i> grounds, Life-Saving crew Lost, Kittyhawk, NC	-- 18
34.	1876 -- Sep 17, Steamer <i>Rebecca Clyde</i> strands/wrecks, 20m south of Hatteras, NC	--12-13
35.	1877 -- Nov 24, Navy War Sloop USS <i>Huron</i> wrecks in storm, at Nags Head, NC	--83-103
36.	1878 -- Jan 31, Steamer <i>Metropolis</i> wrecks in gale, south of Jones Hill Station, NC	--85-104
37.	1878 -- Dec 10, Steamer <i>Emily B. Souder</i> founders in storm, off Cape Hatteras, NC	--36-38
38.	1879 -- June-May 1880, Croup, esp. Oct-Dec, esp. children (17,966 US croup deaths)--	611
39.	1879 -- June-May 1880, Diphtheria, esp. Sep-Jan, esp. children (38,143 U.S. deaths)	-- 994
40.	1879 -- June-May 1880, "Malarial Fever," (NC subset, 20,231 such deaths U.S.)	-- 962
41.	1879 -- June-May 1880, Measles, esp. children (NC subset, 8,254 US measles deaths)--	350
42.	1879 -- June-May 1880, Typhoid Fever (NC subset of 23,339 U.S. Typhoid deaths)	-- 963
43.	1879 -- June-May 1880, Whooping Cough (NC subset, 11,064 U.S. W.C. deaths) ⁴⁹⁴	-- 612
44.	1879 -- Aug~, Whaling Schooner <i>Arizona</i> , reportedly lost off Cape Hatteras, NC	-- 15
45.	1879 -- Aug 18, Great Beaufort [NC] Hurricane [subset of Atlantic coast storm]	-- >40
46.	1882 -- Jan 22, Shipwreck, Bark <i>F.L. Carney</i> , South Hatteras Inlet, NC	-- 8-10
47.	1883 -- Jan 02, Cowe Tunnel Convict Boat Capsizes, Tuckasegee River, Western NC	-- 19
48.	1883 -- Sep 11, Hurricane Three, SC, NC, VA (13 th), especially NC (all deaths)	-- 53
49.	1884 -- Feb 19, Tornadoes, multiple counties (~15), NC	--31-100
50.	1887 -- Nov 3, Schooner <i>Ocean Bird</i> capsizes in storm, Pasquotank River, NC	-- 9-20
51.	1889 -- Feb 22, Storm, Nova S. Bark <i>Josie Troop</i> hits rocks off Chicamacomico, NC	-- 11
52.	1889 -- Apr 6-7, Nor'easter, Maritime losses, esp. Albemarle Sound, Cape Hatteras	-- ~17
53.	1890 -- Typhoid Fever (NC subset of ~30,000 typhoid deaths nationwide)	-- 961
54.	1891 -- Mar 24, Steamer <i>Strathairly</i> wrecks, Chicamacomico, NC	-- 19
55.	1891 -- Aug 27, Train Derails off Boston's Bridge, near Statesville, NC	-- 20
56.	1895 -- Dec 19, Mine Explosion, Cumnock Coal Mine, Cumnock, NC	-- 39
57.	1898 -- Nov 10, Racial and Political (local coup d'état) Violence, Wilmington, NC	--22-26
58.	1899 -- Aug 8-19, Hurricane, inland and off-coast maritime losses, NC	-- 44
59.	1899 -- Nov 15-Dec, Typhoid Fever, State Normal & Industrial College, Greensboro NC	--15
60.	1900 -- Typhoid Fever (NC subset of 35,379 typhoid fever deaths nationwide)	--1,250
61.	1900 -- May 23, Cumnock coal mine gas explosion, Cumnock, Chatham County, NC	-- 23
62.	1902 -- Dec 05, Schooner <i>Wesley M. Oler</i> Founders off Hatteras Inlet, NC	-- 10
63.	1903 -- Feb 17, Steamer <i>Olive</i> sinks, Tornado, Chowan Riv., Woodley's Pier, NC ⁴⁹⁵	--14-18
64.	1906 -- Jan 13, Schooner <i>Robert H. Stevenson</i> grounds, Diamond Shoals, NC	-- 12
65.	1906 -- July 22, Passenger and Freight Trains Collide near Hamlet, NC	--20-22
66.	1907 -- May 11, Tunnel Dynamite Explosion, South & Western RR, Alta Pass, NC	-- 9-14
67.	1908 -- Jan ~23, Steamer <i>Bluefields</i> founders in storm off Cape Hatteras, NC	-- 18
68.	1909 -- Dec 13, Providence RI Sch. <i>Governor Ames</i> wrecks, stm. off Cape Hatteras ⁴⁹⁶	--11-13
69.	1909 -- Dec 15, Train Derailment, Reedy Fork trestle, near Greensboro, NC	--12-16
70.	1915 -- Jan 24/25, Sch. <i>Yacht Idler</i> grounds, Diamond Shoals, ~Cape Hatteras, NC	--12-15
71.	1915 -- Apr 03, Steamer <i>Prinz Maurits</i> wrecks off Cape Hatteras, NC	-- 49
72.	1915 -- Apr 05, Gale, Schooner <i>John B. Manning</i> found bottom-up 20m N, Hatteras NC	--10
73.	1916 -- Jul 15-16, Tropical Stm., esp. Asheville, Biltmore, Alexander Co., Marshall NC	-- 28

⁴⁹⁴ In terms of loss of life to whooping cough by State, NC was 3rd largest, following IN with 687 and GA at 650.

⁴⁹⁵ Cross-listed in Tornadoes.

⁴⁹⁶ Cross-listed in RI

North Carolina (continued)

74.	1918-1919, Influenza and Pneumonia Epidemic , NC	--18,555-19,555
	1918 -- Jan-Dec, Influenza and Pneumonia Epidemic, NC	--12,600-13,600
	1919 -- Jan-Dec, Influenza and Pneumonia Epidemic, NC	--5,955
75.	1919 -- Dec 17, Schooner <i>Sunbeam</i> wrecks off Currituck, NC	-- 18
76.	1920 -- Jan-Dec, Influenza and Pneumonia , NC	--5,621
77.	1920 -- Malaria (NC subset of 3,136 malaria deaths in 34 registration states) ⁴⁹⁷	-- 210
78.	1920 -- Smallpox (NC subset of 508 smallpox deaths in 34 registration states) ⁴⁹⁸	-- 28
79.	1921 -- Jan 31, Schooner <i>Carroll A. Deering</i> wrecks , Diamond Shoals, NC	-- 11
80.	1924 -- Mar 11, Ward Line Steamer <i>Santiago</i> wrecks off Hatteras, NC	--25-35
81.	1925 -- May 27, Carolina Coal Mine Explosion , Farmville (now Coal Glen), NC	-- 53
82.	1931 -- Diphtheria , especially children (NC subset, 5,738 U.S. diphtheria deaths)	-- 244
83.	1931 -- Influenza (NC subset of 31,701 influenza deaths nationwide)	--1,150
84.	1931 -- Measles , especially children (NC subset, 3,576 measles deaths nationwide)	-- 113
85.	1931 -- March 17, Fire, Stockade, County Jail , Kenansville, Duplin County, NC	-- 11
86.	1931 -- Summer, Heat and excessive heat deaths (State subset, 2,768 U.S. deaths)	-- 17
87.	1936 -- Apr 02, Tornado , F4, Guilford County, NC	-- 14
88.	1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (NC subset, 1,997 US diph. deaths) ⁴⁹⁹	-- 164
89.	1939 -- Influenza/Pneumonia (NC subset, 99,097 US influenza/pneumonia deaths)	--2,811
90.	1939 -- Whooping Cough (NC subset of 3,026 U.S. whooping cough deaths) ⁵⁰⁰	-- 229
91.	1940 -- Influenza and Pneumonia (NC subset of 92,525 US flu/pneumonia deaths)	--2,684
92.	1942 -- Oct 03, Gasoline Tanker/Wagon/Bus/Collision , near Lumberton, NC	--11-12
93.	1943 -- May 15, Plane Crash , US Army AF C-47, Ginger Cake Mountain, NC	-- 18
94.	1943 -- Jun 07, Plane Crash , USAAF Transport, ~ Laurinburg-Maxton Field, NC	-- 20
95.	1943 -- Sep 20, Transport Plane Crash , Laurinburg-Maxton Army Air Base, NC	-- 25
96.	1943 -- Oct 29, Plane Crash , US Army AF C-47, Hoffman-Mackall AAF, NC	-- 14
97.	1943 -- Dec 13, Plane lost, USN PBM-3S , VP-213, #48126, Patrol 34M off NC Coast--	18
98.	1943 -- Dec 16, Atlantic Coast Line Train Derailment , Near Rennert, NC	--69-74
99.	1944 -- Whooping Cough (NC subset of 1,878 U.S. whooping cough deaths) ⁵⁰¹	-- 145
100.	1944 -- Feb 23, USN North Amer. PBJ-1D Mitchell Bombers Collide ~Bern, NC	-- 10
101.	1944 -- May 19, Plane Crash , USN PB4Y-1 Liberator ~MCAS Cherry Point, NC	-- 13
102.	1944 -- June 13, USAAF B-24E Bomber Crash , Green Knob Mt., near Asheville, NC--	10
103.	1944 -- July 21, 3 USAAF C-47s Lost , Atlantic Ocean, 25M off Cape Fear, NC	-- 15
104.	1944 -- Sep 14, Hurricane , USCG Cutter <i>Bedloe</i> sinks off Cape Hatteras, NC ⁵⁰²	-- 26
105.	1944 -- Sep 14, Hurricane , USCG Cutter <i>Jackson</i> sinks off Cape Hatteras NC ⁵⁰³	-- 22
106.	1944 -- Sep 24, Plane Crash , US Army AF Douglas C-47, Camp Mackall, NC	-- 12
107.	1948 -- Polio , especially children (NC subset of 1,895 U.S. polio deaths) ⁵⁰⁴	-- 143
108.	1953 -- Sep 02, Military Pontoon Raft Capsizes in lake, Fort Bragg, NC	-- 20

⁴⁹⁷ In terms of lives lost per state to malaria in 1920, NC was 5th behind MS/683, LA/586, SC/487, and FL at 344.

⁴⁹⁸ In terms of lives lost per state, NC was 4th, behind Louisiana with 167, MS with 45, and MO with 28 deaths.

⁴⁹⁹ NC had 2nd highest State loss of life, behind TX which reported 188 diphtheria deaths. (Census Bureau)

⁵⁰⁰ NC had 2nd highest State loss of life, behind TX which reported 233 whooping cough deaths.

⁵⁰¹ On basis of deaths per state, NC led nation. VA had 102, PA and TX had 95 each, MS had 94 and KY had 93.

⁵⁰² These fatalities are part of the 391 attributed to the "Great Atlantic Hurricane."

⁵⁰³ These fatalities are part of the 391 attributed to the "Great Atlantic Hurricane."

⁵⁰⁴ In terms of total deaths per state, only three were higher – CA with 365, MN with 196, and TX with 190.

North Carolina (continued)

109.	1953 -- Nov 17, USAF C-119F hits Paratroopers, crashes , Fort Bragg, NC	--	15
110.	1954 -- Oct 15, Hurricane Hazel , Coastal Storm-surge, Wind and flooding, NC	--	19
111.	1955 -- Aug 12-13, Hurricane Connie , NC	--	25
112.	1957 -- Jun 6, Tractor-trailer/Migrant Labor Truck collision/fire ~Fayetteville, NC-20-21		
113.	1960 -- Jan 06, Plane Blown-up, Dynamite, National Flight 2511 , Bolivia, NC	--	34
114.	1967 -- Jun 23, USMC Helicopters Collide , New River Marine Corps Air Facility, NC-22		
115.	1967 -- July 19, Planes Collide, Piedmont 22 & Cessna 310 , Hendersonville, NC	--	82
116.	1971 -- March 27, SS Texaco Oklahoma breaks-up, sinks , off Cape Hatteras, NC	--	36
117.	1973 -- Mar 08, Plane Crash, USAF Douglas C-47 , Silk Hope, NC	--	14
118.	1974 -- Sep 11, Plane Crash, Eastern Air Flight 212 , in fog, Charlotte, NC	--	72
119.	1977 -- Nov 6/7, Heavy Rain, Flooding, Flash Floods , esp. western NC	--	11
120.	1980 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	15
121.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	13
122.	1982 -- Jan 9-17, Winter Weather (especially Extreme Cold)	--	14-20
123.	1983 -- Summer Heat , esp. mid-July-early Aug, deaths in 21 counties; US toll/597	--	25
124.	1984 -- March 28, Tornadoes , many counties, esp. Sampson, Greene, Pitt, Bertie	--	41-43
125.	1985 -- Jan 20-23 (especially), Winter weather, exposure/hypothermia	--	21-23
126.	1986 -- Summer Heat , NC (subset of >400 U.S. heat-related fatalities)	--	20
127.	1988 -- Feb 19, AVAair Inc. Fairchild Metro III (Air Virginia) takeoff crash , Cary, NC--		12
128.	1988 -- Summer Heat , NC	--	15
129.	1991 -- Sep 03, Fire, Chicken Processing Plant , Hamlet, NC	--	25
130.	1993 -- March 12-13 Eastern Seaboard "Superstorm of 1993," subset for NC	--	19-20
131.	1993 -- Summer, Heat , NC	--	11
132.	1994 -- Jan 15-22, Severe Winter Cold , NC	--	10
133.	1994 -- Mar 23, USAF C-130/F-16 Collide , F-16 hits troops on ramp, Pope AFB, NC--		24
134.	1994 -- July 02, Plane Crash, US Air Douglas DC-9 , Charlotte, NC	--	37
135.	1994 -- Dec 13, American Eagle Flight 3379 (Flagship Air) Approach Crash, ~Raleigh, NC--		15
136.	1996 -- May 10, Two U.S. Marine Helicopters Collide . Camp LeJeune, NC	--	14
137.	1996 -- Sep 05, Hurricane Fran , NC	--	25
138.	1997 -- July 30, High Schoolers' SUV in no-passing zone, hit by truck, ~Plymouth NC--		10
139.	1999 -- Summer Heat (especially July 20-31); (NC subset of 1,050 US heat deaths)	--	13
140.	1999 -- Sep 16, Hurricane Floyd , Mid Atlantic, Particularly Coastal NC ⁵⁰⁵	--	53
141.	2003 -- Jan 8, Air Midwest Flight 5481 takeoff crash (no survivors), Charlotte, NC	--	21
142.	2004 -- Sep 16-24, Hurricane Ivan aftereffects, debris slides, especially Macon Co.--		11
143.	2005 -- Summer Heat (NC subset of 847 U.S. heat-related fatalities)	--	14
144.	2007 -- Summer Heat (NC subset of 438 U.S. heat-related fatalities)	--	13
145.	2008 -- Summer Heat (NC subset of 393 U.S. heat-related fatalities)	--	18
146.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	107
147.	2010 -- Summer Heat (NC subset of 627 U.S. heat-related fatalities)	--	13
148.	2011 -- Apr 16, Severe Wind/ Tornadoes , esp. Bertie Co. (deaths in 7 other counties)--		24
149.	2012 -- Summer Heat (NC subset of 598 U.S. heat-related fatalities)	--	13
150.	2016 -- Oct 7-9, Hurricane Matthew & Flooding aftermath , especially eastern NC--		30

⁵⁰⁵ Several sources note 52 deaths. A CDC MMWR article notes 52 deaths directly related and one hypothermia.

North Carolina Select Other Loss of Life Events:

1849 -- Summer-Fall, Cholera , NC	--	29
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 croup deaths	--	427
1860 -- Measles (NC subset of 3,900 measles deaths nationwide)	--	126
1860 -- Scarlet Fever (NC subset of 26,402 deaths in 38 Census States & DC)	--	363
1870 -- Croup (NC subset of 10,692 croup deaths nationwide)	--	285
1870 -- Diphtheria , especially children (NC subset of 6,303 U.S. diphtheria deaths)	--	145
1870 -- Tuberculosis (Consumption) (NC subset of ~70,000 TB deaths nationwide)	--	1,236
1870 -- Typhoid Fever (NC subset of 22,187 typhoid fever deaths nationwide)	--	862
1870 -- Typhus (NC subset of 1,770 typhus deaths nationwide)	--	19
1870 -- Whooping Cough (NC subset of 9,008 whooping cough deaths nationwide)	--	296
1879 -- June-May 1880, Meningitis (NC subset of 7,481 U.S. meningitis deaths)	--	111
1879 -- June-May 1880, Scarlet Fever , esp. children (NC subset, 16,388 S.F. deaths)	--	113
1879 -- June-May 1880, Tuberculosis (NC subset of 91,270 TB deaths nationwide)	--	2,146
1883 -- Sep-Oct, Diphtheria , Orange County, NC	--	22
1890 -- Jan, Influenza (La Grippe/Russian Flu)	--	48
1898 -- Typhoid Fever (subset of >3,000 deaths), First NC Volunteer Infantry, US camps	--	16
1900 -- Tuberculosis (21,068 NC deaths all causes) (109,750 US TB deaths) ⁵⁰⁶	--	2,350
1912 -- Nov 19, Passenger Trains Collide near Granite, NC	--	7
1917 -- Polio , esp. June-Sep, especially children (NC subset, ≥1,182 U.S. polio deaths)	--	34
1920 -- Diphtheria and Croup (NC subset of 13,395 such deaths in 34 registration states)	--	299
1920 -- Measles (NC subset of 7,712 measles deaths in 34 registration states)	--	62
1920 -- Scarlet Fever (NC subset of 4,004 scarlet fever deaths in 34 registration states)	--	30
1920 -- Typhoid Fever (NC subset of 6,805 typhoid fever deaths in 34 registration states)	--	311
1920 -- Whooping Cough (NC subset, 10,968 whooping cough deaths in 34 reg. states)	--	357
1921 -- Polio (Acute) esp. late Summer-Fall (NC subset, 1,597 U.S. polio deaths)	--	26
1927 -- Polio (acute) esp. late Summer-Fall (NC subset, 2,013 polio deaths nationwide)	--	18
1929 -- Dec 25, C.D. Lawson kills wife, six children, suicide , Walnut Cove, NC	--	8
1931 -- “ Epidemic Cerebrospinal Meningitis ,” ⁵⁰⁷ (NC subset, 2,832 US meningitis deaths)	--	44
1931 -- Malaria (NC subset, 2,536 malaria deaths nationwide)	--	46
1931 -- Polio , esp. July-Oct, (NC subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	37
1938 -- Aug 31, Dynamite explosion, Asheville granite quarry , Asheville, NC	--	5
1939 -- Malaria (NC subset of 1,761 malaria deaths nationwide)	--	53
1939 -- Tuberculosis (NC subset of 61,609 tuberculosis deaths nationwide)	--	1,453
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	8
1940 -- Malaria (NC subset of 1,442 U.S. malaria deaths)	--	60
1940 -- Polio , especially children (NC subset of 1,026 polio deaths nationwide)	--	16
1940 -- Tuberculosis (NC subset of 55,576 tuberculosis deaths nationwide)	--	1,452
1940 -- Whooping Cough (NC subset of 2,926 whooping cough deaths nationwide)	--	90
1941 -- Measles , especially children (NC subset of 2,279 measles deaths nationwide)	--	103
1942 -- March 7, Car and ammo truck collide, fire, delayed explosion , ~Selma, NC ⁵⁰⁸	--	7
1944 -- Feb 07, Plane Crash, USAAF Douglas C-47A Breaks up , Parkton, NC	--	4

⁵⁰⁶ Leading cause of death in NC in 1900.

⁵⁰⁷ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁵⁰⁸ The intersection of State Highways 70 and 301, where collision occurred is just between Selma and Smithfield.

North Carolina select other Loss of Life Events (continued)

1944 -- Cerebrospinal Meningitis (NC subset, 2,812 U.S. cerebrospinal meningitis deaths)--	61
1944 -- Influenza (NC subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	-- 515
1944 -- Measles, especially Jan-June (NC subset of 1,923 measles deaths nationwide)	-- 59
1944 -- Polio, the year, especially July-Nov (NC subset of 1,070 polio deaths nationwide)--	40
1944 -- Tuberculosis (NC subset of 54,731 tuberculosis deaths nationwide)	--1,239
1946 -- Polio, especially July-Nov (NC subset of 1,845 polio deaths nationwide)	-- 16
1948 -- March 10/11, Fire, Highland Hospital for Nervous Disorders, Asheville, NC	-- 9
1950 -- Measles, especially children (NC subset of 468 measles deaths nationwide)	-- 16
1953 -- Polio, especially children (NC subset of 1,450 polio deaths nationwide)	-- 34
1961 -- July 12, Lightning strikes Tobacco Barn, near Clinton, Sampson County, NC	-- 8
1979 -- Feb 17-19, Presidents Day Winter Storm (snow and cold)	-- 8
1989 -- Sep 22, Hurricane Hugo, NC	-- 7
1990 -- Summer, Heat, NC	-- 7
1991 -- Summer, Heat, NC	-- 6
1995 -- Summer, Heat, NC	-- 8
1995 -- Aug 13-17, Hurricane Felix, drownings on coast, NC	-- 5
1996 -- Jan 6-7, Snow Storm (Blizzard of '96)	-- 6-9
1998 -- June-Aug, Heat, NC (subset of 373 heat-related deaths nationwide)	-- 9
1999 -- May 1, Spectators killed by debris; VisionAire 500 Race crash, Concord, NC	-- 3
2001 -- June 15-17, Tropical Storm Allison remnant, vehicular traffic accidents	-- 9
2003 -- Jan 29, Dust Explosion, West Pharmaceutical Services Plant, Kinston, NC	-- 6
2007 -- Oct 28, Fire, Beach House (young college students), Ocean Isle Beach, NC	-- 7
2011 -- Aug 27, Hurricane Irene, NC	-- 7
2014 -- Feb 13, Winter Storm Pax, Ice/Snow Storm, vehicular accidents and falling branch--	5
2014 -- Aug 29, Mobile home fire (cause undetermined), just outside Garland, NC	-- 6
2016 -- Jan 20-22, Winter Storm Pax, Ice/Snow, vehicular accidents	-- 6

Breakout of North Carolina Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 43 -- Maritime and Inland Waterways.
- 30 -- Disease, select communicable, especially epidemics. (Plus 42 in "Other")
- 22 -- Aviation.
- 15 -- Hurricane/Tropical Storm. (Plus 4 – one with 9, two with 7, one with 5 deaths in Other.)
- 13 -- Heat. Plus 5 years <10 deaths: 8 in 1939, 7 in 1990, 6 in 1991, 8 in 1995, 9 in 1998.
- 7 -- Violence (Plus one with 8 deaths in "Other.")
- 5 -- Tornadoes. (One is cross-listed in Maritime for sinking a boat.)
- 4 -- Mining. (Plus granite quarry dynamite explosion in 1938 killing 5.)
- 4 -- Rail. (Plus one with 7 deaths in "Other.")
- 4 -- Winter Weather (Plus 4 <10 deaths: 8 in 1979, 6-9 in 1996, 5 in 2014 and 6 in 2016.)
- 3 -- Explosions. (Plus one event with <10 deaths – 6 in 2003 dust explosion.)
- 3 -- Flooding. (Includes cross-listing of Hurricane Matthew in 2016.)
- 3 -- Vehicular/Road/Highway. (Plus 1 with 7 fatalities, crash and post-crash explosion.)
- 2 -- Fire, Structural. Plus 3 – 9 deaths in 1948, 7 in 2007, one with 6 deaths in 2014.
- 1 -- Wind Storms/Severe Thunderstorms

0 -- Lightning. (But 8 deaths when lightning hit a barn July 12, 1961, near Clinton.)

ND

North Dakota

1.	1867 – Oct 7, Prairie Fire , Gov. stock yard and Indian Camp, Fort Ransom, ND	--	10
2.	1863 -- Sep 3, Massacre , Army attacks Dakota/Lakota Sioux, Whitestone Hill, ND--150-300		
3.	1864 -- July 28-29, US Army attacks Dakota Sioux , Killdeer Mountain, ND Territory--~100		
4.	1883 – Mar 10, Fire, Boarding House , Brownsville, ND	--	11
5.	1900 -- Typhoid Fever (ND subset of 35,379 typhoid fever deaths nationwide)	--	65
6.	1906 – Dec 23, Passenger & Freight Trains Collide in Fog, Enderlin, ND	--	10-11
7.	1909 -- Polio (Acute), especially children (ND subset of 266 polio deaths nationwide)--		19
8.	1918 -- Typhoid Fever (ND subset of 9,100 U.S. typhoid fever deaths nationwide)	--	26
9.	1918 – Sep-Apr, 1919, Influenza and Pneumonia Epidemic , ND		--3,464
	1918 – Sep-Dec, Influenza and Pneumonia Epidemic, ND	--	2,367
	1919 – Jan-Apr, Influenza and Pneumonia Epidemic, ND	--	1,097
10.	1927 -- Polio (Acute) esp. late Summer and Fall (ND subset, 2,013 U.S. polio deaths)--		12
11.	1944 -- Measles , especially Jan-June (ND subset of 1,923 measles deaths nationwide)--		34
12.	1945 – Aug 09, Train Collision, Great Northern's Empire Builder , Michigan, ND	--	34
13.	1946 -- Polio (Acute), especially July-Nov (ND subset, 1,845 U.S. polio deaths)	--	26
14.	1949 -- Polio (Acute), especially July-Nov (ND subset, ~2,725 U.S. polio deaths)	--	19-23
15.	1957 – Jun 20, Supercell Thunderstorm, Tornadoes , Fargo, Cass County, ND	--	13
16.	1968 – Jan 17, Plane Crash, USAF Stratotanker Takeoff Crash , Minot AFB, ND	--	13
17.	1975 – Jan 10-12, Blizzard, "The Great Storm of 1975" ⁵⁰⁹	--	11

North Dakota Select Other Loss of Life Events:

1801-1802 -- Smallpox , Arikara, Dakota, Hidatsa, Mandan, Sioux Native Americans ⁵¹⁰	--	?
1888 -- Jan 12, "Schoolchildren's Blizzard" and Extreme Cold , ND (Territory)	--	9
1900 -- Tuberculosis (2,287 ND deaths all causes) (109,750 US TB deaths) ⁵¹¹	--	246
1919 -- Aug 3-9, Wood Alcohol Poisoning , Hannah, ND	--	5
1931 -- "Epidemic Cerebrospinal Meningitis," ⁵¹² (ND subset, 2,832 US meningitis deaths)--		16
1931 -- Diphtheria , especially children (ND subset, 5,738 U.S. diphtheria deaths)	--	19
1931 -- Influenza (ND subset of 31,701 influenza deaths nationwide)	--	117
1939 -- Whooping Cough (ND subset of 3,026 whooping cough deaths nationwide)	--	13
1940 -- Whooping Cough (ND subset of 2,926 whooping cough deaths nationwide)	--	16
1944 -- Whooping Cough (ND subset of 1,878 whooping cough deaths nationwide)	--	11
1954 -- Apr 03, Fire, Mother and Six Children Die, Farm House near Tuttle, ND	--	7
1994 -- Feb 8, Fargo ND Van hits Snowplow in Whiteout , I-94 near Alexandria, MN ⁵¹³ --		7
2002 -- Jan 18, Train Derailment, HazMat Release , Minot, ND	--	1
2007 -- Oct 23, UND Piper 44 Bird Strike , Minneapolis to Grand Forks, ND	--	2

⁵⁰⁹ Subset of 80-84 midwest fatalities.

⁵¹⁰ We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

⁵¹¹ Leading known cause of death in North Dakota in 1900.

⁵¹² "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁵¹³ Listed in NC given that all seven fatalities were from North Dakota; cross-listed in MN where crash occurred.

Breakout of North Dakota Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 8 -- **Disease**, select communicable, especially epidemics. (Plus 14 in “Other.”)
- 2 -- **Rail** (Plus 1 with Hazardous Materials Release with 1 death.)
- 2 -- **Violence**.
- 1 -- **Aviation**
- 1 -- **Fire, Prairie**
- 1 -- **Fire, Structural** (Plus 1 with seven fatalities in “Other.”)
- 1 -- **Thunderstorms/Tornadoes**
- 1 -- **Winter Storm/Blizzard**. (9 in 1888; 7 on Feb 8, 1994 when van hit snowplow in whiteout.)
- 0 -- **Wood Alcohol Poisoning** (1 with five deaths in “Other.”)

1.	1771 -- Early, Beaver 2nd lost on Lake Erie near Sandusky, OH	-- 17
2.	1774 -- Apr 30, Greathouse VA force murder Mingos, Yellow Creek /OH Riv., OH/WV ⁵¹⁴	~10
3.	1791 -- Jan 2, Violence- Massacre , Delaware & Wyandot attack Big Bottom settlers, OH--	12
4.	1816 -- Jun 09, Steamboat Washington Explosion , Ohio River, Point Harmar, OH	-- ~10
5.	1824 -- Mar 21-Apr 7, Smallpox Epidemic , Sandusky, OH	-- 21
6.	1832 -- Oct 2-Nov 8, Cholera Epidemic , esp. Cincinnati (517) and Cleveland (64)	-- 587
7.	1832 -- Oct 5, Schooner Eliza Whittlesey capsizes , squall, Lake Erie off Ashtabula, OH--	10
8.	1833 -- July, Cholera Epidemic , Cincinnati, OH	-- 176
9.	1834 -- Jul-Oct, Cholera , esp. Cincinnati, Fulton, Huron, Sandusky, esp. Cleveland	-- ~264
10.	1835 -- June 13-Aug 3, Cholera , esp. Red Line (18), and West Union (16), OH	-- 43
11.	1838 -- Apr 25, Steamboat Moselle Boiler Explosion/Fire , near Cincinnati, OH	--81-200
12.	1847 -- June 09, Collision, Chesapeake and Porter , Lake Erie, Conneaut, OH	--10-15
13.	1848 -- Violence, Vigilante Riot, Jailhouse , Cincinnati, OH	-- 11
14.	1848 -- Jan 8, Blue Ridge Boiler Explosion , OH Ri., Raccoon Is., ~Gallipolis, OH	--11-30
15.	1849 -- Cholera , esp. Cincinnati, also Sandusky, Dayton, Columbus Penitentiary ⁵¹⁵ --	7,581-9,919
16.	1849 -- Mar 31, Steamer Virginia Boiler Explosion , Ohio River, Rush Run, OH	--10-15
17.	1850 -- Apr 28, Sidewheel Steamer Anthony Wayne Explosion , Lake Erie, OH	--30-70
18.	1850 -- Spring-Aug 23, Cholera , esp. Cincinnati, Sandusky, Columbus, OH	--2,037
19.	1850 -- Jun 17, Steamer G.P. Griffith Burns , Lake Erie, 20m off Cleveland, OH	--250-325
20.	1851 -- Spring-Fall, Cholera , esp. Cincinnati, Waverly, Dodsonville, West Union	--258-259
21.	1852 -- July 5 and shortly thereafter, Cholera , Dayton, and Gilboa, OH	-- 53
22.	1852 -- July 12, City of Oswego sinks, collis. America , L. Erie ~Willoughby, OH	--15-20
23.	1852 -- Nov 12, Buckeye Belle Boiler Explos. , Muskingum Riv., Beverly Canal, OH	-- 24
24.	1854 -- July, Cholera , especially Cincinnati and Toledo, OH	-- >272
25.	1855 -- Apr 02, “Know-Nothings” vs. “Over the Rhine” Riot , Cincinnati, OH	--10-12
26.	1855 -- July-Aug, Cholera , Cincinnati, OH	-- 126
27.	1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	-- 877
28.	1860 -- Measles (OH subset of 3,900 measles deaths nationwide) ⁵¹⁶	-- 448
29.	1860 -- Scarlet Fever ; subset of 26,402 deaths in 38 Census States & DC ⁵¹⁷	--3,417
30.	1860 -- Smallpox (State subset of 1,263-1,271 smallpox deaths in reporting States) ⁵¹⁸	-- 135
31.	1860 -- Typhoid Fever (OH subset of 19,236 deaths in 38 “registration” States/DC)	--1,038
32.	1860 -- Whooping Cough (OH subset, 8,408 whooping cough deaths nationwide) ⁵¹⁹	-- 408
33.	1860 -- March 1, Building Wall Failure , St. Francis Xavier Church, Cincinnati, OH	-- 13
34.	1860 -- May 21, Tornado , Louisville, KY to Portsmouth, OH	-- 100
35.	1863 -- Smallpox , Camp Chase Confederate Prisoner of War Camp, Columbus, OH	-->500
36.	1865 -- Feb 4-5, Bridge fails, Train falls into Lee’s Creek, burns, near Leesburg, OH	--11-12
37.	1865 -- Aug 9, Pewabic collides with Meteor, Sinks , Lake Huron, off Alpena, MI ⁵²⁰ --	32-125

⁵¹⁴ 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.

⁵¹⁵ Many other places such as tiny Eaton (113) in Preble County (63 in county outside Eaton), Harrison and vicinity, Springfield (91) and Walnut Township (37); plus sporadic deaths in Coalport and Toledo, as examples.

⁵¹⁶ In terms of large loss of life to measles by State, OH was 2nd, behind New York with 746 measles deaths.

⁵¹⁷ In terms of large loss of life to scarlet fever by State, OH was 2nd, behind New York with 4,680 such deaths.

⁵¹⁸ In terms of large loss of life to smallpox by State, OH was 3rd after MA with 473 and NY with 303 such deaths.

⁵¹⁹ In terms of large loss of life to whooping cough by State, OH was 4th after VA at 921, NY at 708, and PA at 477.

Ohio (continued)

38. 1866 --	Cholera Epidemic , Cincinnati, OH	--1,406
39. 1868 --	Mar 18, Steamer Magnolia Boiler Explos./Fire , OH Riv., ~Cincinnati OH	--35-83
40. 1868 --	Jun 20, Steamer Morning Star / Cortland Collide , Lake Erie, ~Avon Pt., OH	--25-60
41. 1868 --	Oct, Smallpox Outbreak , Cincinnati, OH	-- 32
42. 1870 --	Croup (OH subset of 10,692 deaths nationwide)	-- 560
43. 1870 --	Diphtheria (OH subset of 6,303 diphtheria deaths nationwide) ⁵²¹	-- 474
44. 1870 --	Measles , especially children (OH subset of 9,237 U.S. measles deaths) ⁵²²	-- 621
45. 1870 --	Scarlet Fever , especially children (OH subset of 20,339 deaths nationwide)	-- 552
46. 1870 --	Smallpox (OH subset of 4,597 smallpox deaths nationwide) ⁵²³	-- 332
47. 1870 --	Typhoid Fever (OH subset of 22,187 typhoid fever deaths nationwide)	--1.280
48. 1870 --	Whooping Cough (OH subset of 9,008 whooping cough deaths nationwide)	-- 574
49. 1872 --	Smallpox , Cincinnati, OH (>8,957 smallpox deaths nationwide)	-- 658
50. 1872 --	July 03, Atwater Slope Coal Mine Fire , Atwater Township, Portage Co., OH	-- 10
51. 1873 --	June 14-Oct 18, Cholera , esp. Cincinnati (215), Columbus (69), OH	-- 372
52. 1874 --	Scarlet Fever , especially children, Cincinnati, OH	-- 687
53. 1875 --	Smallpox , Cincinnati (722) Portsmouth (19), Jackson (1), Sciotoville (2), OH	-- 745
54. 1876 --	Feb 05, Gallery Falls , Robinson's Opera House, Cincinnati, OH	-- 12
55. 1876 --	Dec 29, Bridge Collapse Under Train , Ashtabula, OH	-- 100
56. 1878 --	Summer, Heat, Excessive Heat and Sunstrokes , Cincinnati, OH	-- ~10
57. 1878 --	Aug 07, Train Collision , Panhandle Rail, near Mingo Junction, OH	-- 15
58. 1878 --	Fall, Scarlet Fever Epidemic , Cincinnati, OH	-- 181
59. 1878 --	Sep-Oct, Yellow Fever , especially Gallipolis and Cincinnati, OH	--51-53
60. 1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 US croup deaths)	-- 533
61. 1879 --	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--1,688
62. 1879 --	June-May 1880, " Malarial Fever ," (OH subset, 20,231 such U.S. deaths)	-- 474
63. 1879 --	June-May 1880, Scarlet Fever , esp. children (OH subset, 16,388 US SF deaths)	--701
64. 1879 --	June-May 1880, Typhoid Fever (OH subset of 23,339 U.S. Typhoid deaths)	--1,046
65. 1879 --	Jun-May 1880, Whooping Cough (OH subset, 11,064 US whoop cough deaths)	--350
66. 1881 --	July 10-24, Heat, Sunstroke and Excessive Heat Deaths , esp. Cincinnati OH	--~459
67. 1881 --	Mar 6-Dec 31, Smallpox , esp. Cincinnati (60), also Cleveland, Dayton, OH	-- 62
68. 1882 --	Smallpox , Cincinnati (1249), Rowlesville (15), Dayton (12), elsewhere, OH	--1,310
69. 1882 --	July 04, Scioto sinks , hit by <i>John Lomas</i> , OH River, Mingo Junction, OH	--56-57
70. 1883 --	Mar 30, Train Accident , Cincinnati Southern Rail, Mason's Station, OH	-- 53
71. 1884 --	Feb 16, Ohio River Flooding, Boarding House Collapse , Cincinnati OH	--10-14
72. 1884 --	March 28-30, Hamilton County Courthouse Riot , Cincinnati, OH	--45-56
73. 1885 --	May 21, Fire, Sullivan's Printing Bldg. , 19 Sixth Street, Cincinnati, OH	-- 18
74. 1886 --	May 12, Flash Flood , Xenia, OH	-- 28
75. 1886 --	May 14, Tornado Outbreak (3), Hardin, Hancock, Wyandot Counties, OH	-- 17
76. 1887 --	Jan 04, Freight and Passenger Trains Collide Head-on , Fire, Republic, OH	-- ~20

⁵²⁰ Cross-listed in Ohio in that the boat was home-ported and mostly crewed in Cleveland. In addition to Cleveland crew members lost were passengers from Cleveland as well as from Tiffin and Titan, OH.

⁵²¹ In terms of large loss of life to diphtheria by State, OH was 4th behind NY with 864, PA at 702 and IL with 603.

⁵²² In terms of large loss of life to measles by State, OH was 4th behind NY with 1,073, MO at 860 and IL with 702.

⁵²³ In terms of large loss of life to smallpox by State, OH was 4th behind MO with 1,034, LA at 925 and NY at 582.

Ohio (continued)

77.	1889 -- Jan 14, Passenger and Freight Trains collide , burn, near Tallmadge, OH	-- 8-10
78.	1890 -- Diphtheria and Croup , Cincinnati/Toledo, OH (41,677 US diphtheria deaths)--	734
79.	1890 -- Typhoid Fever (OH subset of ~30,000 typhoid deaths nationwide)	--1,630
80.	1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), esp. Cin., Cleveland, Dayton OH	--1,248
81.	1891 -- July 03, Freight and Passenger Trains Collide , Burn, at depot, Ravenna, OH ⁵²⁴ --	19
82.	1892 -- Jul 14, " Cyclone " (Tornado), Springfield, OH	-- 10
83.	1892 -- Sep 1, Storm, Western Reserve (OH) Sinks off Sable Banks ~Deer Park MI ⁵²⁵ --	26-31
84.	1892 -- Sep 21, Trains Collide , Fort Wayne Railroad, Shreve, OH	-- 11
85.	1893 -- Oct 13-14, Great Lakes Storm, OH loses, C.B. Benson, Dean Richmond , etc. ⁵²⁶ --	23
86.	1895 -- Mar 08, Steamer Longfellow hits C&O Bridge Pier , Sinks, Cincinnati, OH	--11-14
87.	1895 -- Nov 16, Streetcar goes into Cuyahoga River, Cleveland, OH	-- 17
88.	1896 -- Jul 30-Aug 10, Heat , Cincinnati, Cleveland, Galion and elsewhere, OH	-- 17
89.	1898 -- Typhoid (OH subset >3,300 deaths), esp. OH Vol. military units, U.S. camps ⁵²⁷ --	194
90.	1898 -- Mar 22-26, Flooding , esp. Zanesville, Hamilton, Columbus, New Hagerstown--	15-20
91.	1898 -- July 11, Gas Explosion, Lake Erie Water Works Tunnel , near Cleveland, OH--	11
92.	1898 -- Sep 20, Grain Dust Explosion , Grain Elevator, Toledo, OH	-- 10
93.	1900 -- Typhoid Fever (OH subset of 35,379 typhoid fever deaths nationwide)	--1,795
94.	1900 -- July-Aug (especially), Heat (subset of 1,266 US heat deaths)	-- 11
95.	1900 -- Sep 11, Freighter John B. Lyon Sinks , Lake Erie Storm, off Conneaut, OH	-- 11
96.	1901 -- June-July (esp.), Heat (subset of 4,012 such deaths) esp. Cincinnati/Cleveland--	48
97.	1901 -- Aug 14, Waterworks Tunnel Crib Fire , two miles off Cleveland Harbor, OH--	12-13
98.	1901 -- Aug 18, Blast Furnace Explosion , National Steel Co., Youngstown, OH	-- 9-11
99.	1902 -- Oct 13, C. B. Lockwood Sinks , Storm, Lake Erie, off Fairport Harbor, OH	-- 10
100.	1905 -- Jun 21, Sabotage, Train Derails , Twentieth Century Limited, Mentor, OH	--19-21
101.	1905 -- Aug 13, Trains Collide , Nickel Plate Road, Kishman, OH	--12-15
102.	1907 -- Mar 14-18, Flooding , principally Ohio River, OH	-- 32
103.	1908 -- Mar 4, Fire/Tramplng, Lakeview Elementary School , Collinwood, OH--	172-178
104.	1910 -- Polio , especially children, OH subset of 1,635 U.S. polio deaths ⁵²⁸	-- 76
105.	1910 -- Apr 22, Mine Explosion , Youghioghenny & OH Coal Co., Amsterdam, OH	-- 18
106.	1910 -- May 17, Boiler Explosion , American Sheet and Tin Plate Co., Canton, OH	-- 13
107.	1910 -- July 4, Train Collision (Head-on), Middletown, OH	-- 23
108.	1911 -- July 3-7, Heat , especially, Cincinnati, Cleveland, Columbus, Toledo, OH	--40-42
109.	1912 -- Dec 3, Trains Collide , Dresden, OH	-- 11
110.	1913 -- Mar 23-27, Heavy Rain, Flooding , Statewide, OH	-- 467
111.	1913 -- May 17, Noble Coal Mine Explosion , Imperial Mining Co., Belle County OH--	15

⁵²⁴ Cross-listed in NY -- all or virtually all of the fatalities were NY residents, mostly Corning, NY glassworkers.

⁵²⁵ Cross-listed as well under Michigan in that the boat went down off the Michigan coast.

⁵²⁶ This is a subset of total loss of life in this storm, with a fatality range of 65-73. Besides the seven Michigan lives lost on the steamer *C. B. Benson*, and 10 on the steamer *Dean Richmond*, there were six on the schooner *Minnehaha*, and 4 (of ~13 lives lost) on the freighter *Wocoken*.

⁵²⁷ Represents 137 deaths from typhoid fever involving soldiers from the First, Second, Fourth, Fifth, Sixth, Seventh, Eighth, Ninth and Tenth Ohio Volunteer Infantry Regiments, the First Ohio Volunteer Cavalry and the Ohio Light Artillery Brigade; four civilian deaths from a short excursion into newspaper archives from Jan 6-8, and 33 typhoid deaths in Columbus for the year.

⁵²⁸ 7th highest state polio death toll, behind PA with 269, NY at 170, IA at 161, MA at 122, MN at 97, WA at 81.

Ohio (continued)

112.	1913 -- June 26-July 3, Heat , especially Cleveland, OH ⁵²⁹	--67-195
113.	1913 -- Nov 7-10, Great Lakes storm, Cleveland freighter <i>Charles S. Price</i> lost, Lake MI-28	
114.	1916 -- Mar 29, Three Train Collision , near Amherst, OH	-- 27
115.	1916 -- May 15, Dynamite explos. , adjacent site, Crystal Rest. collapses, Akron, OH- 9-10	
116.	1916 -- July 12-Aug 1, Heat , especially Cleveland, OH	-- 26
117.	1916 -- July 24, Gas Explosion , Cleveland Waterworks Tunnel , Cleveland, OH	--21-23
118.	1917 -- Polio , esp. June-Sep, esp. children (OH subset, ≥1,182 US polio deaths) ⁵³⁰	-- 125
119.	1918 -- Typhoid Fever (OH subset of 9,100 U.S. Typhoid Fever deaths)	-- 771
120.	1918 -- Sep-Apr, 1919, Influenza and Pneumonia Epidemic , OH	32,003
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, OH	22,099
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, OH	9,904
121.	1918 -- Oct 3, Train Runs into Passengers in Fog, East Bedford, OH	-- 20
122.	1919 -- Oct 29, Mine Fire , Amsterdam No. 2 Coal Mine, Amsterdam, OH	-- 20
123.	1920 -- Influenza & Pneumonia , esp. Cleveland, Cincinnati, Columbus, Toledo	--11,702
124.	1920 -- Measles (OH subset of 7,712 measles deaths in 34 registration states)	-- 750
125.	1920 -- Scarlet Fever (OH subset, 4,004 scarlet fever deaths, 34 registration states) ⁵³¹	--383
126.	1920 -- Typhoid Fever (OH subset, 6,805 typhoid deaths, 34 registration states) ⁵³²	-- 435
127.	1920 -- Whooping Cough (OH subset, 10,968 whoop. cough deaths, 34 reg. states) ⁵³³	--845
128.	1920 -- Mar 28, Tornadoes , Darke, Defiance, Fulton, Henry, Lucas, other counties, OH-70	
129.	1921 -- Polio , esp. late Summer-Fall (OH subset of 1,597 U.S. polio deaths) ⁵³⁴	-- 85
130.	1924 -- June 28, Tornadoes , OH	-- 89
131.	1925 -- Sep 3, Navy Dirigible Shenandoah Crash , Noble County, OH	-- 14
132.	1926 -- July 19-21, Heat , especially Cleveland, OH	-- 30
133.	1927 -- Polio (Acute) esp. late Summer-Fall (OH subset, 2,013 U.S. polio deaths)	-- 165
134.	1927 -- July 13-16, Heat , especially Cleveland, also Youngstown, Columbus, OH	-- 10
135.	1929 -- Jan 22, Train Hits Greyhound Bus , near Bellevue, OH	-- 20
136.	1929 -- May 15, Fire, Cleveland Clinic (Hospital) , Cleveland, OH	-- 125
137.	1930 -- Jan 22, Train Hits School Bus , Sheldon Road Crossing, Berea, OH	-- 10
138.	1930 -- Apr 21, Fire, Ohio State Penitentiary , Columbus, OH	--320-322
139.	1930 -- Nov 05, Sunday Creek Coal Mine No. 6 Methane Explosion, Millfield, OH	-- 82
140.	1931 -- " Epidemic Cerebrospinal Meningitis ," ⁵³⁵ (subset, 2,832 meningitis deaths)--	111
141.	1931 -- Diphtheria , especially children (OH subset, 5,738 U.S. diphtheria deaths)	-- 188
142.	1931 -- Influenza (OH subset of 31,701 influenza deaths nationwide) ⁵³⁶	--1,936
143.	1931 -- Measles , especially children (OH subset, 3,576 measles deaths nationwide)	-- 153
144.	1931 -- Summer Heat , esp. June 20-July 3, and July 16-18, OH	-- 169

⁵²⁹ The large range revolves around the counting of infant fatalities. Most newspaper accounts report primarily adult fatalities. One account we have cited, however, writes: "The intense heat of the summer in Cleveland has caused the deaths of 148 babies and thirteen adults."

⁵³⁰ 4th highest state polio loss of life, behind IL with 177 deaths, PA with 137 and NY with 115.

⁵³¹ In terms of large loss of life to scarlet fever by States, OH was 3rd behind PA with 497 and NY at 474 deaths.

⁵³² 3rd largest loss of life in a state to typhoid fever, behind PA with 503 and KY with 490 deaths.

⁵³³ 3rd largest loss of life in a state to whooping cough, behind PA with 1,195 and NY with 1,063.

⁵³⁴ 7th largest state loss of life from polio, behind NY at 272, IL at 150, WA at 122, MI at 115, CA and MN at 95.

⁵³⁵ "Epidemic Cerebrospinal Meningitis," is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁵³⁶ Ohio was second in influenza deaths in 1931, behind Pennsylvania, with 2,885 such deaths.

Ohio (continued)

145.	1932 -- Apr 14, Natural Gas Explosion , State Office Building, Columbus, OH	--	10
146.	1932 -- June 7, Explos./Fire Arson/Mass Murder, Ellington Apts. , Cleveland ⁵³⁷	--	13
147.	1933 -- Feb 7-12, Cold Waves, Winter Storms, Blizzard-like conditions, esp. Cleveland--	12	
148.	1934 -- Summer Heat , especially July and Aug 9-14, especially Cincinnati, OH	--	184
149.	1936 -- July 1-26 Heat , OH	--	387
150.	1936 -- Oct 17, Sand Merchant Capsizes/Sinks , Lake Erie Storm, off Avon Pt., OH--	19	
151.	1937 -- Jan 5/Feb 5, Flooding , Ohio River, especially Cincinnati, OH	--	20
152.	1938 -- May 24, Plane Fire and Crash, United Airlines Flight 9 , near Cleveland, OH--	10	
153.	1939 -- Influenza and Pneumonia (State subset, 99,097 US flu/pneumonia deaths) --	5,443	
154.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	27
155.	1940 -- Influenza and Pneumonia (State subset, 92,525 US flu/pneumonia deaths) --	4,851	
156.	1940 -- Polio , especially children (OH subset of 1,026 polio deaths nationwide) ⁵³⁸	--	62
157.	1940 -- Whooping Cough (OH subset of 2,926 US whooping cough deaths)	--	128
158.	1940 -- Mar 16, Hanna Coal Co. Willow Grove #10 Mine Explos. , ~St. Clairsville, OH--	72	
159.	1940 -- July 31, Train Collision and Fire , Cuyahoga Falls, OH	--	43
160.	1940 -- Nov 29, Coal Mine Explosion , Nelms No. 1, NE of Cadiz, OH	--	31
161.	1941 -- Measles , especially children (OH subset of 2,279 measles deaths nationwide)--	115	
162.	1942 -- Feb 22, Towboat G. W. McBride hits bridge pier, sinks , Ohio R., Cincinnati--	16	
163.	1942 -- Dec 02, Tug Admiral sinks , Lake Erie Storm, ~10m Avon Pt. Cleveland, OH--	14	
164.	1942 -- Dec 03, Cleveco Tanker/Barge sinks , Lake Erie Blizzard, 6m north Euclid --	22	
165.	1943 -- Jan 25, Plane Crash, U.S. Army Air Force B-17 , New Albany, OH	--	12
166.	1943 -- Mar 24, Fragmentation bombs explos. , Portage Ordnance Depot, Portage, OH--	11	
167.	1944 -- Measles , especially Jan-June (OH subset of 1,923 US measles deaths)	--	139
168.	1944 -- Polio , the year, especially July-Nov (OH subset of 1,070 U.S. polio deaths)	--	88
169.	1944 -- Apr 27, Steamer James H. Reed Rammed by Ashcroft , Lake Erie Fog, OH--	12	
170.	1944 -- July 5, Powhatan Coal Mine Fire , Powhatan Point, ~Bellaire, OH	--	66
171.	1944 -- Oct 20, LNG Tank Explosion & Fire , East Ohio Gas Co., Cleveland, OH--	128-136	
172.	1946 -- Feb 02, Explosion/Fire, Jennings Hall Home for Aged , Garfield Heights, OH--	14	
173.	1947 -- Aug 3-7, Heat , OH	--	11
174.	1948 -- Polio , especially children (OH subset of 1,895 polio deaths nationwide) ⁵³⁹	--	87
175.	1949 -- Polio , especially July-Nov (OH subset of ~2,725 polio deaths nationwide)	--	102
176.	1950 -- Measles , especially children (OH subset of 468 U.S. measles deaths) ⁵⁴⁰	--	27
177.	1950 -- Polio , especially July-Nov (OH subset of 1,904 polio deaths nationwide)	--	117
178.	1950 -- July 13, Engine Failure/Crash, US AF Boeing B-50 , near Lebanon, OH	--	16
179.	1950 -- Sep 11, Train Spirit of St. Louis Hits Troop Train , Isleta, OH	--	33
180.	1950 -- Nov 24-27, " Storm of the Century ," Subset for OH	--	55
181.	1951 -- Jan 27-Feb 4, Cold Waves, Winter Storms, ice, sleet, snow , OH ⁵⁴¹	--	30
182.	1952 -- Polio , especially children, Statewide, especially Cleveland, OH	--	102
183.	1953 -- Polio , especially children (OH subset of 1,450 polio deaths nationwide)	--	95

⁵³⁷ Cross-listed in Fire-Structural and in Violence—Arson.

⁵³⁸ 4th largest loss of life to polio in a state, behind IN at 79, MI at 73, and IA with 64 deaths.

⁵³⁹ 7th largest loss of life in a State, behind CA at 365 deaths, MN at 196, TX at 190, NC at 143, WI at 92, SD at 90.

⁵⁴⁰ 4th largest loss of life to measles in a state, behind MS with 34 deaths, KY with 30, and MI with 28.

⁵⁴¹ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

Ohio (continued)

184.	1953 -- Mar 27, Trains Collide , New York Central Line, near Conneaut, OH	--	21
185.	1953 -- Jun 08, Tornadoes , Wood, Sandusky, Erie, Lorain, Cuyahoga Counties, OH--		17
186.	1955 -- Aug 10, Explosion (sewer gas?) & Fire, Gateway Restaurant, Andover, OH ⁵⁴² --		22
187.	1959 -- Jan 21-24, Heavy Rain, Flooding Statewide, OH	--	16
188.	1959 -- Mar 18, Car Hit by Train , Beaver creek Girlscouts, Beaver creek, OH	--	10
189.	1959 -- July 01, Plane Crash , Continental Can Co. Corporate, near Marion, OH	--	10
190.	1960 -- Mar 2-5, Snowstorm , OH	--	11
191.	1960 -- Oct 29, Plane Crash , Arctic-Pacific Express, Toledo Airport, OH	--	22
192.	1961 -- Feb 3-5, Blizzard-like Snow Storm , OH	--	10
193.	1962 -- May 10, Explosion , Chemical Reactor (Acrylic Polyamide), Toledo, OH	--	10
194.	1962 -- Sep 04, Plane Crash , Ashland Oil Co., near Lake Milton, OH	--	13
195.	1963 -- Nov 23, Fire , Golden Age Nursing/Rest Home, Fitchville, OH	--	63
196.	1965 -- Apr 11-12, Palm Sunday Tornado Outbreak, multiple counties, OH	--	56
197.	1966 -- Nov 29, Daniel J. Morrell (Cleveland) breaks-up/sinks , Lake Huron storm--		28
198.	1967 -- Mar 05, Plane breakup/crash , Lake Central Air Flight 527, ~ Marseilles, OH--		38
199.	1967 -- Mar 09, Mid-Air Collision , TWA Flight 553/Beechcraft 55, Urbana, OH	--	26
200.	1967 -- Dec 15, Silver Bridge Collapse , OH Riv., Pt. Pleasant, WV, Gallipolis, OH ⁵⁴³ --		46
201.	1968 -- Dec 15-Feb 1, 1969, A2 Hong Kong Influenza-Pneumonia Epidemic, OH ⁵⁴⁴ --		532
202.	1969 -- Jul 4, Thunderstorms, Flooding , Strong Winds, Tornadoes , Erie Coast of OH--		41
203.	1970 -- Jan 09, Fire , Convalescent Home, Marietta, OH	--	32
204.	1972 -- Jan 26, Fire , Green Nursing Home, Lincoln Heights, OH	--	10
205.	1974 -- Apr 03, Super Tornado Outbreak , multiple counties, esp. Xenia, OH	--40-42	
206.	1975 -- Mar 30, Mass murder , James Ruppert shoots relatives, Hamilton, OH	--	11
207.	1977 -- Jan 28-29, Blizzard , statewide, OH	--	8-20
208.	1978 -- Jan 25-27, Blizzard , statewide, OH	--	51
209.	1979 -- July 31, Arson Fire (smoke inhalation deaths), Holiday Inn , Cambridge, OH--		10
210.	1979 -- Nov 11, Fire , Coats Boarding House, Pioneer, OH	--	14
211.	1979 -- Dec 03, Crushing/Trampling Disaster , WHO Concert Cincinnati, OH	--	11
212.	1980 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	20
213.	1982 -- Jan 10-17, Winter Weather (Extreme Cold, Ice and Snow Storms)	--	13
214.	1983 -- Summer Heat , esp. late July-Aug, deaths in 7 counties, esp. Butler/4; US/597--		15
215.	1985 -- Jan 19-23, Winter weather , exposure/hypothermia	--	10
216.	1985 -- May 31, Tornadoes , Licking, Portage, Trumbull, Niles, Hubbard Counties	--	11
217.	1988 -- Summer Heat , especially Hamilton County, OH (16)	--	24
218.	1990 -- June 14, Flash Flood , Shadyside and vicinity, OH	--	26
219.	1994 -- Jan 14-20, Winter Extreme Cold and Snow , OH	--	16
220.	1995 -- Summer Heat , esp. Aug 1-3 (5), Aug 8-22 (13), esp. Cleveland area, OH	--	18
221.	1999 -- Summer Heat , esp. July 12-Aug 1, especially Hamilton Co./Cincinnati metro--		28
222.	2004 -- Sep 12, Arson Fire , Lincoln Park West Apartments, Prairie Township, OH--		10
223.	2005 -- Summer Heat (OH subset of 847 U.S. heat-related fatalities)	--	10
224.	2006 -- Summer Heat (OH subset of 912 U.S. heat-related fatalities)	--	11

⁵⁴² Cross-counted in Explosions and Fires-Structural.

⁵⁴³ Cross-listed in West Virginia. Thirty-one cars fell into the river or onto the Ohio shoreline.

⁵⁴⁴ Just CDC reporting cities: Akron, Canton, Cincinnati, Cleveland, Columbus, Dayton, Toledo and Youngstown.

Ohio (continued)

225. 2008 -- Summer Heat (OH subset of 393 U.S. heat-related fatalities)	--	11
226. 2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	52
227. 2010 -- Summer Heat (OH subset of 627 U.S. heat-related fatalities)	--	10
228. 2012 -- Summer Heat (OH subset of 598 U.S. heat-related fatalities)	--	13

Ohio Select Other Loss of Life Events:

1851 -- Oct 15, Fire , German Catholic Orphan Asylum, Cincinnati, OH	--	6
1860 -- Tuberculosis ("consumption") (OH subset of 49,082 death nationwide) ⁵⁴⁵	--	3,495
1870 -- Tuberculosis (Consumption) (OH subset of ~70,000 TB deaths nationwide)	--	5,255
1870 -- Typhus (OH subset of 1,770 typhus deaths nationwide)	--	80
1873 -- Smallpox , Cincinnati, OH	--	48
1877 -- Smallpox , Cincinnati, OH	--	56
1879 -- June-May 1880, Measles , esp. children (OH subset, 8,254 US measles deaths)	--	164
1879 -- June-May 1880, Meningitis (OH subset of 7,481 U.S. meningitis deaths)	--	191
1879 -- June-May 1880, Tuberculosis (OH subset of 91,270 TB deaths nationwide)	--	4,683
1895 -- Feb 20-Jun 21, Smallpox Outbreak, Cincinnati, OH	--	24
1900 -- Tuberculosis (53,362 OH deaths all causes) (109,750 US TB deaths)	--	5,789
1904 -- Sep 23, School Outhouse floor collapses , girls 8-14 drown, Pleasant Ridge, OH	--	9
1910 -- Apr 30-July 26 (especially) Smallpox , especially Cleveland, OH	--	13
1910 -- Typhoid , Cincinnati and Columbus, OH	--	65
1915 -- Dec-Jan 1916, Influenza and Pneumonia subset of larger epidemic, Cincinnati	--	186
1916 -- Polio , Sum-Fall, esp. Toledo, Cleveland, Cincinnati, Columbus, Dayton	--	45
1919 -- Aug 30, Poisoning , Curare, Lakeside County Club, Canton, OH	--	6
1919 -- Dec 25-30, Wood Alcohol poisoning	--	6
1920 -- Diphtheria and Croup (OH subset of 13,395 such deaths in 34 registration states)--		651
1920 -- Smallpox (OH subset of 508 smallpox deaths in 34 registration states)	--	17
1920 -- Tuberculosis , especially Cincinnati, Cleveland, Columbus, Toledo, OH	--	5,131
1925 -- Dec 22, Coal Mine Fire , Webb Coal Mine, Bellaire, OH	--	9
1926 -- Nov 1, Truck hits Street Car head-on, is hit by following truck, Fire, Dayton, OH--		8
1931 -- Polio , esp. July-Oct, (OH subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	47
1934 -- Apr 15, Nevin Western Bus hits Truck on side of road, near Elyria, OH	--	6
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (OH subset of 1,997 U.S. diphtheria deaths)	--	58
1939 -- Tuberculosis (OH subset of 61,609 tuberculosis deaths nationwide)	--	2,692
1939 -- Whooping Cough (OH subset of 3,026 whooping cough deaths nationwide)	--	89
1940 -- Tuberculosis (OH subset of 55,576 tuberculosis deaths nationwide)	--	2,569
1942 -- Lake Erie Large Wave and Drownings , Cleveland, OH	--	7
1942 -- Four USAAF Bell P-30's Crash in snowstorm near Lima, OH	--	4
1944 -- Cerebrospinal Meningitis (OH subset, 2,812 U.S. cerebrospinal meningitis deaths)-		198
1944 -- Influenza (OH subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	1,168
1944 -- Tuberculosis (OH subset of 54,731 tuberculosis deaths nationwide)	--	2,787
1944 -- Whooping Cough (OH subset of 1,878 whooping cough deaths nationwide)	--	87
1945 -- May 27, Plane Crash debris hits car, USAAF Show , Wright Field, Dayton, OH	--	5

⁵⁴⁵ Was the leading reported cause of death in the State and in the U.S. in 1860.

Ohio Select Other Loss of Life Events (continued):

1946 -- Polio, especially July-Nov (OH subset of 1,845 polio deaths nationwide)	--	59
1949 -- Sep 05, P-51 Mustang Plane Crash, Cleveland Air Races, OH	--	3
1951 -- Polio, especially July-Nov (OH subset of 1,551-1,555 polio deaths nationwide)	--	55
1954 -- Apr 03, Explosion/fire, kerosene poured in home stove, Glouster, OH ⁵⁴⁶	--	6
1957 -- Dec 4, Snowstorm	--	7-8
1960 -- Measles, especially children (OH subset of 380 measles deaths nationwide)	--	17
1968 -- Sep, Kent State Demonstration and Shooting, OH	--	4
1993 -- March 13-14, Superstorm of 1993	--	6
1994 -- Feb 8-13, Winter Storm, Ice and Snow, 6 traffic fatalities and 1 hypothermia, OH--	≥7	
1997 -- March 1-2, Flash Floods and Flooding, deaths in Adams, Brown, Gallia, Pike CO.--	5	
1998 -- Aug-Feb 1999 -- Listeria tainted hot dog and deli meat food poisoning deaths	--	21
2002 -- Nov 10, Tornado outbreak, especially Putnam, Seneca and Van Wert Counties, OH--	5	
2005 -- May 21, Arson Fire, House during child's birthday sleepover, Cleveland OH	--	9
2007 -- Mar 02, Bus Crash, Baseball Team Bus, Bluffton University, OH	--	7
2008 -- Sep 14, Hurricane Ike Remnant Wind and Rain Storm, OH	--	7
2012 -- June 30-July 13, Heat, heat-related illnesses, especially elderly in Licking Co., OH--	7	
2013 -- Mar 10, speeding SUV (teens) hits guardrail, flips into pond near Warren, OH	--	6
2014 -- Jan 1-7, Winter Storms and Polar Vortex Cold Wave (subset of 44-45 US deaths)--	5-6	
2015 -- Nov 10, Company jet crash into apt. bldg. on airport approach, Akron, OH	--	9

Breakout of Ohio Large-Loss-of-Life Events (10 or more fatalities) by Type:

76 -- Disease, select communicable, especially epidemics (Plus 25 in "Other.")
26 -- Maritime and Inland Waterways.
25 -- Heat. (Plus one with 7 deaths in 2012 in "Other.")
21 -- Rail
13 -- Fire, structural. (Plus two -- one with 9 and one with 6 dead in "Other.")
12 -- Violence. (Plus 3 -- one with 9, one with 6 and one with 4 deaths.)
11 -- Explosions. (Plus one with 6 dead.)
10 -- Mining/Tunneling. (Plus 1 with 9 deaths.)
10 -- Tornadoes (Plus 1 with 5 fatalities in 2002 in "Other.")
10 -- Winter Storms. (Plus four -- 7-8 deaths in 1957, 6 in 1993, ≥7 in 1994 and 5-6 in 2014.)
9 -- Aviation. (Plus 4 -- five deaths in 1945, four in 1942, 3 in 1949 and 9 in 2015.)
9 -- Flooding. (Plus one in 1997 with 5 deaths.)
5 -- Structural Failures. (Plus one with 9 deaths.)
5 -- Vehicular. ⁵⁴⁷ (Plus four -- one with 8, one with 7 and two with 6 deaths each in "Other.")
1 -- Summer Storms. (Plus one with 7 deaths -- Hurricane Ike remnant.)
0 -- Poisoning (unintentional). (Six deaths in 1998-1999 listeria-tainted hot dog deaths.)
0 -- Wood Alcohol Poisoning. (But one with 6 deaths Dec 25-30, 1919.)

⁵⁴⁶ Cross listed as Explosion and Fire.

⁵⁴⁷ This includes the Silver Bridge Collapse, cross-listed in Structural Failures. Thirty-one cars fell with the bridge.

OK

Oklahoma

1.	1833 -- Early Sum., Cutthroat Gap Massacre , Osage attack Kiowa, ~Saddle Mt., OK--~150	
2.	1849 -- Late July-Aug 20, Cholera , Fifth Infantry, Fort Gibson, OK Territory	-- 17
3.	1853 -- Cholera , Choctaw emigrants on Arkansas Riv. while enroute to Wheelock, OK ⁵⁴⁸	--14
4.	1862 -- Oct 24, Massacre of Tonkawa by pro-Union Natives near Anadarko, OK	--136-150
5.	1864 -- Sep 16, Rebel Indian/Texan force murder black Union soldiers , Flat Rock, OK	--<40
6.	1868 -- Nov 27, "Battle" of the Washita, Custer attacks Cheyenne village , OK	-- 103
7.	1872 -- Apr 15, Shoot-out, U.S. Marshals & Cherokees , Indian Court House (IT), OK	-- 11
8.	1882 -- July-Sep 12 (date of report), Smallpox , Osage Agency, Indian Territory [OK]	--20-25
9.	1882 -- May 8, Tornadoes , Alfalfa, Johnston, and Pittsburg Counties, OK	-- 25
10.	1887 -- Apr 4, Coal Mine Dust Explosion , Old Savanna #2, Savanna, OK	-- 18
11.	1887 -- Sep 22~, Trains Collide , near Guthrie (Indian Territory), OK ⁵⁴⁹	--?8-10
12.	1892 -- Jan 7, Coal Mine No. 11 Explosion , Krebs, OK	-- 100
13.	1893 -- Apr 25, Tornadoes , Cleveland, Grady, Logan, McClain, Payne Cts., OK	-- 37
14.	1897 -- March 30, Tornado , Lincoln County, OK	-- 14
15.	1897 -- Apr 28, Flash Flood , Cottonwood River, Guthrie and vicinity, OK	--28-50
16.	1900 -- Typhoid Fever (OK subset of 35,379 typhoid fever deaths nationwide)	-- 201
17.	1902 -- Jan 13, Mine Fire , Milby & Dow Coal Mine, Dow, OK	-- 10
18.	1902 -- May 05, Cloudburst, Flash Flood , Foss, OK	-- 9-12
19.	1905 -- Apr 30, Mine Explosion , No. 19 Coal Mine, Wilburton, OK	-- 13
20.	1905 -- May 10, Tornado , Jackson, Tillman, Kiowa Counties, OK	-- 97
21.	1906 -- Jan 24, Mine Explosion , Poteau No. 6 Coal Mine, Witteville, OK	-- 14
22.	1908 -- Aug 26, Coal Mine Fire , Hailey-Oklahoma No. 1, Haileyville, OK	-- 29
23.	1909 -- May 29, Flash Floods , Creek and Lincoln Counties, OK	-- 10
24.	1909 -- May 29, Tornadoes , Depew and Key West, OK	-- 15
25.	1909 -- Oct 21, Coal Mine Explosion , Rock Island No. 8, Hartshorne, OK	--10-11
26.	1910 -- Mar-Nov, Smallpox , especially Grady and Oklahoma Counties, OK	-- 99
27.	1910 -- Nov 28, Jumbo Asphalt Mine Gas Explosion , Durant, OK	-- 13
28.	1911 -- Dec 1-June 8, 1912, Meningitis Outbreak, OK	-- 161
29.	1912 -- Smallpox , OK (ranked 7 th highest in terms of loss of life by State) ⁵⁵⁰	-- 15
30.	1912 -- March 20, Mine Explosion , McCurtain #2, San Boise Coal, McCurtain, OK	-- 73
31.	1912 -- Apr 27, Tornadoes (7), OK	-- 29
32.	1914 -- Sep 4, Mine cave-in , No. 1 Coal Mine, Adamson, OK	-- 13
33.	1915 -- Sep 27, Explosion , Gasoline Rail Tank Car, Ardmore, OK	--40-44
34.	1916 -- March 24, Tornadoes , Garvin, Murray and Pontotoc Counties, OK	-- 10
35.	1917 -- Jan 4, Tornado , Vireton, Pittsburg County, OK	-- 17
36.	1917 -- June 1, Tornado , Coal County, OK	-- 14
37.	1917 -- Sep 28, Trains Collide , near Kellyville, OK	-- 33
38.	1918 -- Apr 13, Fire, State Hospital for the Insane , Norman, OK	--37-39
39.	1918, Sep-Apr, 1919 -- Influenza and Pneumonia Epidemic , OK	--7,558
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, OK	--5,304
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic	--2,254

⁵⁴⁸ It is possible the deaths occurred in Arkansas.

⁵⁴⁹ Have not located sufficient material to be confident of the date or the number of fatalities.

⁵⁵⁰ Neighboring Texas was first with 126-128 documented and reported cases.

Oklahoma (continued)

40.	1919 -- Mar 15, Tornadoes , Dover, ~Hinton, Kingfisher, Porter, Weatherford, OK	--	9-14
41.	1919 -- Apr 9, Tornadoes , Fannin, Bryan, Coal, Pontotoc Counties, OK	--	12
42.	1919 -- June 30, Mine Explosion , Alderson No. 5 Coal Mine, Alderson, OK	--	15
43.	1920 -- May 2, Tornado , Peggs (Cherokee County), OK	--	71
44.	1920 -- June 30, Coal Mine Explosion , Alderson No. 5, Alderson, OK	--	15
45.	1920 -- Aug 21, Coal Mine Explosion , No. 19 Coal Mine, Degnan, OK	--	10
46.	1921 -- May 31-Jun 1, Race Riot , Whites attack Blacks, Greenwood area, Tulsa, OK-38-200		
47.	1922 -- March 13, Tornadoes , Murray and Latimer Counties, OK	--	13
48.	1922 -- Nov 4, Tornado , Creek and Pawnee Counties, OK	--	11
49.	1924 -- May 28, Tornadoes , OK	--	15
50.	1924 -- Dec 24, Fire, Babbs Switch School , Hobart, OK	--	36
51.	1926 -- Jan 13, Mine Explosion , No. 21 Coal Mine, Wilburton, OK	--	91
52.	1926 -- Sep 3, Mine Explosion , Tahona Coal Mine, Tahona, OK	--	16
53.	1927 -- Apr, Flooding , Drownings, especially southwestern and Rocky Ford vic., OK	--	21
54.	1927 -- Apr 18, Tornado , Choctaw County, OK	--	10
55.	1929 -- Aug 18, Train Derailment , Henryetta, OK	--	14
56.	1929 -- Dec 17, Old Town Mine Explosion , McAlester, OK	--	61
57.	1930 -- Oct 27, Mine Explosion , Wheatley No. 4 Coal Mine McAlester, OK	--	30
58.	1930 -- Nov 19, Tornado , Oklahoma County, OK	--	23
59.	1930 -- Nov 29, Mine Explosion , Lutie No. 5. Coal Mine, Lutie, OK	--	15
60.	1931 -- Diphtheria , especially children (OK subset, 5,738 U.S. diphtheria deaths) ⁵⁵¹	--	293
61.	1931 -- Summer, Heat , excessive heat deaths (OK subset, 2,768 US deaths)	--	19
62.	1934 -- July Heat Wave , OK (subset of 1,683 fatalities nationwide)	--	11
63.	1936 -- July 13-28, Aug 9-11, Heat Waves , OK	--	95
64.	1937 -- Sep 30-Oct 27, Elixir Sulfanilamide medicine unintentional poisoning	--	11
65.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	18
66.	1942 -- Apr 27, Tornadoes , Rogers, Mayes (Pryor), Counties OK	--	56
67.	1942 -- May 2, Tornadoes , 3 F4's, 10 counties in OK	--	26
68.	1942 -- June 12, Tornado , F4, Oklahoma County, OK	--	35
69.	1943 -- Jan 6, Plane Crash, U.S. Army Air Force B-24, Madill, OK	--	10
70.	1943 -- May 08, Plane Crash, USAAF C-47, ~ Tinker Field, Oklahoma City, OK	--	15
71.	1943 -- Oct 22, Plane Crash, USAAF B-17, Arkansas River, ~Ponca City, OK	--	14
72.	1943 -- Dec 15, Plane Crash, USAAF, B-17, Army Air Base, Ardmore, OK	--	12
73.	1944 -- Feb 12, Planes Collide, two USAAF B-17's, one Crashes, Mill Creek, OK	--	10
74.	1944 -- Apr 24, Plane Crash, USAAF B-17G, near Ardmore Army Air Field, OK	--	11
75.	1944 -- July 2, Plane breaks-up in Th-Storm/Crashes, USAAF B-29 near Harmon, OK--	11	
76.	1944 -- Dec 05, Explosion , Torpedo magazine Naval Ammo. Depot, McAlester, OK	--	11
77.	1945 -- Apr 12, Tornadoes , OK, Latimer, Sequoyah, Muskogee, Pushmataha Co. OK--	102	
78.	1945 -- June 11, Plane Structural Failure/Crash, USAAF B-29 near Rush Springs, OK--	10	
79.	1946 -- Jan 28, Gasoline fumes ignite, fire, Tinker Field Hangar ~Oklahoma City, OK--	10	
80.	1947 -- Apr 09, Tornadoes , multiple counties, esp. Woodward, OK	--	116
81.	1948 -- Mar 25, Tornado , Hughes, McIntosh Counties, OK	--	10
82.	1948 -- Nov 01, Plane Breakup and Crash, USAF C-47, Thunderstorm, ~Muldrow, OK--	11	

⁵⁵¹ Only three states had more diphtheria deaths – IL with 381, PA with 365 and KY with 349.

Oklahoma (continued)

83.	1949 --	Polio , especially July-Nov (OK subset of ~2,732 polio deaths nationwide) ⁵⁵²	--	109
84.	1950 --	Apr 28, Tornadoes , F4, Callahan County, TX; Hughes County, OK	--	10
85.	1951 --	Apr 27, Planes Collide , USAF B-36 & F-51 Mustang NE of Perkins, OK	--	14
86.	1953 --	July 17, USMC Plane Crash near Milton, FL carrying OK ROTC students ⁵⁵³	--	23
87.	1955 --	Apr 25, Tornado , Blackwell, OK	--	20
88.	1957 --	Jan 22, Tornado , F4, Sequoyah County (Gans), OK	--	10
89.	1959 --	Jan 08, Home Wood Stove Fire (15 children and woman), Boswell, OK	--	16
90.	1960 --	May 5, Tornado Outbreak, OK	--	31
91.	1961 --	May 5, Tornado , F4, LeFlore County, OK	--	16
92.	1966 --	Apr 22, Plane Crash , American Flyers Airline Flight 280/D, NE of Ardmore, OK	--	83
93.	1974 --	June 8, Tornado , Payne, Creek, Pawnee, Osage Counties, OK	--	14
94.	1980 --	Summer, Heat , especially counties of Tulsa/14, Muskogee/9, Oklahoma/9, OK	--	80
95.	1981 --	June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	10
96.	1982 --	Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196	--	11
97.	1984 --	Apr 26, Tornado Outbreak , especially Morris (8) and Terlton (3), OK	--	11
98.	1984 --	May 26-27, Flooding , Tulsa, OK	--	14
99.	1985 --	Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227	--	11
100.	1985 --	June 25, Explosion , Fireworks Plant, Hallett, OK	--	21
101.	1986 --	Summer Heat , OK (subset of >400 U.S. heat-related fatalities)	--	12
102.	1986 --	Aug 20, Postal worker Pat Sherrill Mass Shooting , Post Office, Edmond, OK ⁵⁵⁴	--	14
103.	1988 --	Summer, Heat , OK	--	11
104.	1990 --	Summer, Heat , OK	--	11
105.	1993 --	Summer, Heat , OK	--	16
106.	1995 --	Apr 19, Alfred P. Murrah Fed. bldg. bombing/fire , Oklahoma City, OK ⁵⁵⁵	--	168
107.	1995 --	Summer, Heat , OK	--	14
108.	1996 --	July 4-8 esp., Heat , e.g. Caddo, Carter, Lincoln, Oklahoma, Payne counties	--	15
109.	1998 --	Summer Heat , esp. July, esp. OK County (subset of 323 fatalities nationwide)	--	32
110.	1999 --	May 3, Tornadoes , Chickasha through south Oklahoma City, OK	--	45
111.	1999 --	Summer Heat , (especially late July-mid Aug), multiple counties, OK	--	20
112.	2000 --	Summer, Heat , OK (subset of 301 heat-related fatalities nationwide)	--	15
113.	2000 --	Dec 25-27, Ice Storm , OK	--	26-27
114.	2001 --	Jan 27, Charter Plane Crash , OK St Univ. Basketball Members, Strasburg, CO ⁵⁵⁶	--	10
115.	2001 --	Summer, Heat , especially Oklahoma County, OK	--	13
116.	2002 --	May 26, Barge hits Bridge , Span Collapse, Cars fall , Webbers Falls, OK	--	14
117.	2005 --	Summer Heat (OK subset of 847 U.S. heat-related fatalities)	--	14
118.	2006 --	Summer, Heat , 17 counties, especially Oklahoma County	--	30
119.	2007 --	Jan 12-15 Ice and Winter Storm , especially southeastern OK	--	32
120.	2007 --	Dec 8-11, Ice Storm , especially Tulsa, OK	--	29-30

⁵⁵² Eight states had more polio deaths – NY/320, IL/246, MI/210, TX/183, NJ/180, CA/136, MO/133, MN/114.

⁵⁵³ There were 44 fatalities, 23 of them University of OK-Norman ROTC students.

⁵⁵⁴ Sherrill committed suicide by shooting himself before he could be arrested – bringing total death toll to 15.

⁵⁵⁵ According to coroner, almost 40% of victims died from fire or smoke inhalation.

⁵⁵⁶ Even though the plane crashed in CO, it carried eight members of the Oklahoma State University basketball team and associated team personnel and two flight-crew members.

Oklahoma (continued)

121.	2009 – Summer Heat (OK subset of 402 reported heat-related deaths nationwide)	--	12
122.	2009 – Jun 26, Tractor-Trailer hits multiple cars , Will Rogers Turnpike ~Miami, OK-10		
123.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	44
124.	2011 – May 24, Tornadoes , OK	--	11
125.	2010 -- Summer Heat (OH subset of 627 U.S. heat-related fatalities)	--	11
126.	2011 – Summer, Heat OK (subset of 589-602 fatalities nationwide)	--	33
127.	2012 -- Summer, Heat (OK subset of 598 heat-related deaths nationwide)	--	13
128.	2013 – May 20, Tornado , Moore, OK	--	24
129.	2013 – May 31, Tornadoes , flooding , Oklahoma City region, Central OK ⁵⁵⁷	--	20

Oklahoma Select Other Loss of Life Events:

1897 --	Sep 12, Train truck breaks, train derails , Iron Mt. Road, Hanson (I.T.), OK ⁵⁵⁸	--	7
1900 --	Tuberculosis (3,181 OK deaths all causes) (109,750 US TB deaths)	--	288
1910 --	Polio Outbreak, especially children, OK	--	12
1911 --	July 24, Cave-In, Sewer Ditch under construction , near Muskogee, OK	--	4
1912 --	Feb 22, Coal Mine Fire , Wichita Coal & Mining Co. No. 5, Lehigh, OK	--	9
1915 --	Oct 19, Trains Collide , Agawam Curve, near Chickasha, OK	--	8
1916 --	Mar 5-6, Daniel Okane kills Family (7) and commits suicide , Lawton, OK	--	8
1919 --	Jan 26, Nitroglycerin explodes , wagon going through town of Big Heart, OK	--	8-9
1931 --	“Epidemic Cerebrospinal Meningitis ,” ⁵⁵⁹ (OK subset, 2,832 US meningitis deaths)--		41
1931 --	Influenza (OK subset of 31,701 influenza deaths nationwide) ⁵⁶⁰	--	653
1931 --	Malaria (OK subset, 2,536 malaria deaths nationwide)	--	103
1931 --	Measles , especially children (OK subset, 3,576 measles deaths nationwide)	--	32
1931 --	Polio , esp. July-Oct, (OK subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	19
1931 --	Scarlet Fever , esp. children (OK subset of 2,651 U.S. scarlet fever deaths)	--	55
1931 --	Tuberculosis (OK subset of 81,395 tuberculosis deaths)	--	1,315
1931 --	Whooping Cough (OK subset of 4,619 U.S. whooping cough deaths)	--	77
1933 --	Mar 25, Gasoline Stove Explosion under whisky still, home fire, ~Fargo, OK ⁵⁶¹	--	7
1934 --	Jun 4, Dynamite Explodes , Petty Geophysics Engineering crew, near Norman, OK--		7
1937 --	June 26, Automobiles collide head-on , west of Erick, OK	--	6
1939 --	Diphtheria , esp. Jan-Mar, Sep-Dec (OK subset of 1,997 U.S. diphtheria deaths)	--	75
1939 --	Influenza and Pneumonia (OK subset, 99,097 U.S. influenza/pneumonia deaths)--		1,894
1939 --	Malaria (OK subset of 1,761 malaria deaths nationwide)	--	46
1939 --	Tuberculosis (OK subset of 61,609 tuberculosis deaths nationwide)	--	1,000
1939 --	Whooping Cough (OK subset of 3,026 whooping cough deaths nationwide)	--	26
1940 --	Influenza and Pneumonia (OK subset of 92,525 U.S. flu and pneumonia deaths)--		1,956
1940 --	Malaria (OK subset of 1,442 U.S. malaria deaths)	--	31

⁵⁵⁷ 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.

⁵⁵⁸ Sources consulted note that it was thought that two injured would also die, but we have not been able to verify.

⁵⁵⁹ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

⁵⁶⁰ Does not include pneumonia deaths, of which there were 96,974 nationwide.

⁵⁶¹ When the stove exploded burning gasoline was thrown onto the sleeping victims in a one-room farm house.

Oklahoma Select Other Loss of Life Events (continued)

1940 -- Polio (OK subset of 1,026 polio deaths nationwide)	--	22
1940 -- Tuberculosis (OK subset of 55,576 tuberculosis deaths nationwide)	--	1,071
1940 -- Whooping Cough (OK subset of 2,926 whooping cough deaths nationwide)	--	57
1941 -- Measles , especially children (OK subset of 2,279 measles deaths nationwide)	--	21
1944 -- Influenza (OK subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	357
1944 -- Measles , especially Jan-June (OK subset of 1,923 measles deaths nationwide)	--	33
1944 -- Tuberculosis (OK subset of 54,731 tuberculosis deaths nationwide)	--	880
1944 -- Whooping Cough (OK subset of 1,878 whooping cough deaths nationwide)	--	40
1946 -- Polio , especially July-Nov (OK subset of 1,845 polio deaths nationwide)	--	34
1948 -- Polio , especially children (OK subset of 1,895 polio deaths nationwide)	--	35
1950 -- Polio , especially July-Nov (OK subset of 1,904 polio deaths nationwide)	--	39
1951 -- Polio , especially July-Nov (OK subset of 1,551-1,555 polio deaths nationwide)	--	36
1952 -- Polio , especially children, OK	--	18
1953 -- Polio (OK subset of 1,450 polio deaths nationwide)	--	15
1958 -- Nov 27, Fire, Mary Flake Home for Handicapped Children , Warr Acres, OK	--	5
1977 -- July 14, Motor Home and car collide , rural road U.S. 69 near Stringtown, OK ⁵⁶²	--	8
1982 -- Jan 19, Water heater explosion , Star Elementary School cafeteria, Spencer, OK	--	7
1983 -- Summer Heat , esp. late July-Aug, deaths in 7 counties; subset of 597 U.S. deaths)	--	9
1985 -- Jan 19-23, Winter weather, exposure/hypothermia	--	5-7
1986 -- Jan 4, UF6 (uranium hexafluoride) cylinder rupture , Sequoyah Fuels Corp, OK	--	1
1989 -- Dec 8-23, Cold wave and hypothermia deaths	--	5
2002 -- Jan 28-30, Ice Storm , OK	--	9
2006 -- June 23, Lightning Strikes Home/Fire , Panama, OK	--	3
2006 -- July 20, Fire (over-heated refrigerator), Residential Home , Chickasha, OK	--	7
2007 -- Jan 14, Minivan slides on ice ; crosses I-40 median; hits tractor-trailer, Elk City, OK ⁵⁶³	--	7
2008 -- March 4, Bird Strike, Cessna 500 , near Wiley Post Airport, OK City, OK	--	5
2009 -- Jan 26-28, Ice and Snow Storm , OK (subset of 91 deaths in 12 states)	--	6
2009 -- Feb 10, Tornado , Lone Grove, OK	--	8
2014 -- Jan 4, House Fire of undetermined cause, Bartlesville, OK	--	5
2015 -- May 21-25, Storms, heavy rain, flash flooding, tornadoes	--	6-7
2015 -- Dec 26-27, Flooding , Bixby, Hinton, Kay Co., Oklahoma City, Pittsburg Co., Yukon	--	7

Breakout of **Oklahoma** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 34 -- **Tornadoes** (Plus **one** with 8 deaths in 2009 in "Other.")
- 24 -- **Heat**. (Plus 1 year <10 deaths: 9 in 1983.)
- 18 -- **Mining** (Plus **one** with 9 deaths in "Other.")
- 13 -- **Aviation** (Plus **one** with 5 deaths in "Other.")
- 11 -- **Disease**, select communicable, especially epidemics. (Plus 27 in "Other.")
- 8 -- **Violence** (Plus **one** with 8 deaths in "Other.")
- 5 -- **Fire, structural**. (Plus 3 – one with 7 deaths in 2006, one with 5 in 1958 and in 2014.)
- 5 -- **Flooding**. (Plus **two** events in 2015 with seven deaths noted in "Other.")

⁵⁶² Six of the fatalities were in the car which swerved into the path of the mobile home.

⁵⁶³ Subset of Jan 12-15, 2007 Winter Storm above.

- 4 -- **Explosions.** (Plus **four** -- one with 8-9 deaths⁵⁶⁴ and three with 7 each in “Other.”)
- 4 -- **Rail.** (Plus **two** -- one with 8 deaths and one with at least 7 in “Other.”)
- 3 -- **Winter Storms.** Plus 4 events <10 deaths: 5-7 in 1985, 5 in 1989, 9 in 2002, and 6 in 2009.
- 2 -- **Road/Highway**⁵⁶⁵ (Plus **three** with 6-9 deaths in “Other.”⁵⁶⁶)
- 1 -- **Maritime and Inland Waterways.**⁵⁶⁷
- 1 -- **Poisoning (non-intentional)**
- 0 -- **Hazardous Materials.** Two with fewer than ten deaths in “Select Other.”
- 0 -- **Structural Failure.** (But **one** with 4 deaths in “Other.”)

⁵⁶⁴ Cross-listed in Hazardous Materials and in Road/Highway.

⁵⁶⁵ Barge knocked out bridge span, Webbers Falls, 5-26-2002; cars fell though gap. Cross-listed in Maritime.

⁵⁶⁶ One is Cross-listed in Explosions and in Hazardous Materials.

⁵⁶⁷ Barge knocked out bridge span, Webbers Falls, 5-26-2002; cars fell though gap. Cross-listed in Vehicular.

OR

Oregon

1. 1828 -- **Jedediah Smith Massacre**, near Gardiner, OR -- 15
2. 1829-34--**Unknown Epidemic**, Oregon Native Americans⁵⁶⁸ -->2,000
3. 1847 -- **Smallpox**, Modoc Native Americans, Southwestern Oregon -- >150
4. 1851 -- Jun, **Battle Rock** battle, Pacific Mail men kill natives with cannon, Port Orford, OR--13-30
5. 1851 -- Jun 17, Maj. Kearny, USA Dragoons, attacks Natives, Rogue Ri. Valley., OR--~12-22
6. 1851 -- Jun 23-26, USA Maj. Kearny, other **whites attack Natives**, Table Rock, OR -- >10
7. 1851 -- Nov 22, **Col. Casey (USA), attacks Coquille**, south fork Coquille River, OR --5--~15
8. 1852 -- Jan 31, Steamer **General Warren Grounds/wrecks**, Columbia River Bar, OR--40-42
9. 1852 -- Sum., Capt Crosby Force Massacre Modocs, Tule Lake reg., CA/OR Border⁵⁶⁹--11-15
10. 1852 -- Jul 17, **Whites attack Rogue River Natives**, Big Bar, near Table Rock, OR -- 4-20
11. 1853 -- **Smallpox Epidemic**, Native American Communities, Pacific NW⁵⁷⁰ --2,000-3000
12. 1853 -- Aug 24, **Lane attacks Rogue River Natives** ~Evans Creek ~Table Rock, OR --13-19
13. 1854 -- Jan 29, Coos Co. **whites massacre Coquilles**, Whiskey Run, no. of Coquille Ri., OR--16
14. 1854 -- Feb 15, **Miller group massacres Chetco River Natives** ~river mouth, SW OR-- ~26
15. 1854 -- Apr 08, Steamer **Gazelle Boiler Explosion**, Oregon City, OR -- 25
16. 1855 -- Oct 08, **Lupton Massacre**, Whites attack Natives ~Upper Table Rock, OR --23-41
17. 1855 -- Oct 09, **Indians retaliate & attack settlers**, upper Rogue River Valley, OR -- 12
18. 1856 -- Feb 22/23, **Natives attack garrison & settlers**, Rogue River, Whaleshead, OR-- 31
19. 1856 -- Jun 2-3, USA Cpt. Augur & Vols. Attack Natives, Painted Rock Rogue Ri., OR-->21
20. 1857 -- Jan-mid, **White settlers attack Rogue River Natives**, Rogue River valley, OR-- ~10
21. 1860 -- Fall, **Snake River Massacre**, Immigrant Wagon Train attacked, pursued, OR -- 39
22. 1861 -- Dec-Jan 1862, **Flooding**, especially western rivers -- ≥10
23. 1866 -- May 19, **Massacre of Chinese Miners by Indians**, near Battle Creek, OR --50-150
24. 1875 -- Nov 18 Sch. **Sunshine Strands**, Columbia mouth, ~Cape Foul-Weather, OR --20-40
25. 1876 -- March 1, **Explosion, Scow**, Umatilla Rapids, OR -- 13
26. 1879 -- Apr 18, Steamer **Great Republic Strands**, Columbia River, Sand Island, OR --13-14
27. 1879 -- June-May 1880, **Diphtheria**, esp. Sep-Jan, esp. children (38,143 U.S. deaths) -- 185
28. 1879 -- June-May 1880, **Typhoid Fever** (OR subset of 23,339 U.S. Typhoid deaths) -- 103
29. 1880 -- Apr 27, Schooner **Olivia Schultze Founders**, ~mouth of Sinslaw River, OR -- 15
30. 1880 -- May 4, **Storm, fishing boats capsize**, Columbia River mouth, OR and WA⁵⁷¹- 15-36
31. 1883 -- Jan 29, Steam Collier **Tacoma grounds** off Umpqua, OR -- 10
32. 1886 -- Mar 16, Steamer **Beda founders**, Columbia Ri. to SF CA ~Cape Perpetua OR-- 11
33. 1887 -- May 25, Chinese gold miners slain by thieves, Massacre Cove, Wallowa Co., OR--31-34
34. 1889 -- May 13, **Storm, Steamer Alaskan founders** off Cape Blanco, OR --15-31
35. 1890 -- **Typhoid Fever** (OR subset of ~30,000 typhoid deaths nationwide) -- 152
36. 1890 -- Feb 02, **Flooding, Trestle fails, Train cars fall**, near Cascade Locks, OR⁵⁷² -- 9-10

Oregon (continued)

⁵⁶⁸ From contemporary accounts, it appears that the year 1833 was the deadliest.

⁵⁶⁹ Cross-listed in California since this event transpired at an unknown place in the border region.

⁵⁷⁰ Cross-listed in Washington State since the epidemic was on the coast and both sides of the Columbia River.

⁵⁷¹ Cross-listed in Washington in that fisherman from both sides of the river were out fishing and were drowned.

⁵⁷² Cross-listed in Flooding and in Rail.

37.	1894 -- Dec 24, Fire, Chrisman Bros. Hall , Silver Lake, Lake County, OR	--	43
38.	1896 -- Oct 20, Steamer Arago snags/sinks , Mouth of Coos Bay, OR	--	13
39.	1900 -- Typhoid Fever (OR subset of 35,379 typhoid fever deaths nationwide)	--	106
40.	1903 -- Jun 14 Flash Flood , Willow Creek, Heppner OR, Surrounding Areas	--247-324	
41.	1903 -- Oct 19, Steamer South Portland grounds , Cape Blanco, OR	--	19
42.	1904 -- Feb 27, Steamship Queen, fire and drownings , off Coast of OR	--	14
43.	1908 -- Feb 14, Ship Emily Reed grounds , Nehalem Beach, OR	--	11
44.	1908 -- May 2, Steamer Minnie E. Kelton grounds , Yaquina Head, OR	--	11
45.	1910 -- Jan 12, Steamer Czarina, grounds on Coos Bay Bar , OR	--	24
46.	1913 -- Jan 7, Stm. Rosecrans grounds , Mouth of Columbia Riv., Peacock Spit, OR	--30-36	
47.	1913 -- Apr 06, Grounded Barque Mimi capsizes during Salvage, Nehalem Spit, OR	--	18
48.	1914 -- Sep 18, Steamer Francis H. Leggett founders /Storm, off Coast of OR	--	65
49.	1915 -- Nov 2, Steamer Santa Clara grounds , Coos Bay Bar, OR	--12-15	
50.	1918 -- Sep-Apr, 1919, Influenza and Pneumonia Epidemic , OR	--3,221	
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, especially Portland, OR	--2,063	
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, especially Portland, OR	--1,158	
51.	1919 -- Dec 18, Steamer J.A. Chanslor hits rocks/wrecks , off Cape Blanco, OR	--	38
52.	1920 -- Jan-Dec, Influenza and Pneumonia , especially Portland, OR	--1,331	
53.	1920 -- Sep 06, Fire, Houston Hotel , Klamath Falls, OR	--10-14	
54.	1921 -- Nov 21, Tug Sea Eagle hit by large wave in storm, capsizes , ~Yaquina, OR	--	9-10
55.	1930 -- Sep 16/17, SF CA Schooner South Coast sinks , OR Coast, ~Cape Blanco ⁵⁷³	--18-19	
56.	1936 -- Sep 26, Forest Fire , Bandon, OR	--	13
57.	1942 -- Mar 15, Plane Crash, USAAF B-17 Flies into Mt. near Pendleton, OR	--	10
58.	1942 -- May 03, Two USAAF Planes Crash , Blue Mts. ~Meacham, Lindsey Peak, OR	--	13
59.	1942 -- Nov 18, Sodium fluoride poisoning , patients, OR State Hospital, Salem, OR	--	47
60.	1943 -- Feb 20, USN Minesweeper YMS-133 Capsizes , off Coos Bay, OR	--	18
61.	1944 -- Oct 17, USAAF B-24J Plane Crash , 12M NE of Ukiah, OR	--	10
62.	1945 -- Feb 09, USAAF B-24D Plane Crash , near Denio, OR	--	11
63.	1945 -- Feb 12, USAAF B-24D Plane Crash , near Troy, OR	--	10
64.	1945 -- Aug 25, USAAF B-24J Plane Crash , 17 miles NNW of Elgin, OR	--	15
65.	1948 -- May 30, Flooding, Dikes Collapse , Columbia River, esp. Vanport City, ⁵⁷⁴ OR	--	55
66.	1952 -- Oct 08, USAF B29 and F94 Jet Midair Collision near Portland, OR	--	11
67.	1959 -- Aug 07, Bldg. Fire leads to parked truck Dynamite Explosion , Roseburg, OR ⁵⁷⁵	--	14
68.	1962 -- Oct 12, Columbus Day "Big Blow" Wind Storm , Western OR	--	24
69.	1964 -- Dec, late, Flooding , Willamette, Columbia Rivers, OR	--	17
70.	1966 -- Oct 01, Plane Crash, West Coast Air 956 , Salmon Mt., near Wemme, OR	--	18
71.	1975 -- July 07, Arson Fire, Pomona Hotel , Portland, OR	--11-12	
72.	1978 -- Dec 28, Plane Crash, United Airlines N8082U , Portland, OR	--	10
73.	1979 -- Sep 14, Butler Aircraft Inc. DC-7 Plane Crash , Surveyor Mountain, OR	--	12
74.	1980 -- May 18, Mount St. Helens eruption and landslides (55-67 total deaths) ⁵⁷⁶	--	16

⁵⁷³ Cross listed in CA. On trip from CA port to OR port apparently lost off OR coast, where wreckage was located. Was home-ported in San Francisco and all the crew lived in the Bay area.

⁵⁷⁴ Most, but not all, of the fatalities were in OR. The largest OR loss of life in one place, 16, was at Vanport City.

⁵⁷⁵ Cross-classified as a Hazardous Materials Transportation event, though the truck was parked and unattended.

⁵⁷⁶ To be clear, sixteen of the identified direct deaths were Oregon residents in the MSH vicinity. There were 4-7 reported indirect deaths. However, we have not been able to identify state of residence for any of these.

75. 1981 -- June-Aug (especially), Heat (esp. ICD-9 E900 code for excessive natural heat)--	19
76. 1981 -- Nov 13-15, Wind Storms , Pacific Northwest, especially OR	-- 10
77. 1996 -- Nov 22, USAF Hercules Engine Loss/Crash , Pacific ~Cape Mendocino, CA ⁵⁷⁷ --	10
78. 2003 -- June 14, Taki-Too fishing charter capsizes crossing bar, Tillamook Bay Inlet, OR--	11
79. 2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--40-79
80. 2015 -- Oct 1, Mass shooting, Umpqua Community College , Roseburg, OR	⁵⁷⁸ -- 9-10

Oregon Select Other Loss of Life Events:

1801-1802 -- Smallpox , Native Americans (~1,500 midwest and northwest) ⁵⁷⁹	-- ≥10
1854 -- Dec 23-24, Tsunami Hits Coast , from Japan Earthquakes, OR	-- 5
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	-- 19
1860 -- Scarlet Fever (OR subset of 26,402 deaths in 38 Census States & DC)	-- 40
1870 -- Tuberculosis (Consumption) (OR subset of ~70,000 TB deaths nationwide)	-- 112
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	-- 17
1879 -- June-May 1880, “ Malarial Fever ,” (OR subset, 20,231 such deaths nationwide)	-- 31
1879 -- June-May 1880, Measles , esp. children (OR subset, 8,254 U.S. measles deaths)	-- 16
1879 -- June-May 1880, Meningitis (OR subset of 7,481 meningitis deaths nationwide)	-- 14
1879 -- June-May 1880, Scarlet Fever , esp. children (OR subset, 16,388 U.S. S.F. deaths)--	47
1900 -- Tuberculosis (3,396 OR deaths all causes) (109,750 US TB deaths)	-- 433
1910 -- Polio Outbreak, especially children, OR	-- 18
1918 -- Typhoid Fever (OR subset of 9,100 U.S. Typhoid Fever deaths)	-- 70
1920 -- Diphtheria and Croup (OR subset of 13,395 such deaths in 34 registration states)--	45
1920 -- Measles (OR subset of 7,712 measles deaths in 34 registration states)	-- 30
1920 -- Scarlet Fever (OR subset of 4,004 scarlet fever deaths in 34 registration states)	-- 14
1920 -- Smallpox (OR subset of 508 smallpox deaths reported in 34 registration states)	-- 10
1920 -- Typhoid Fever (OR subset of 6,805 typhoid fever deaths, 34 registration states)	-- 39
1920 -- Whooping Cough (OR subset, 10,968 whooping cough deaths in 34 reg. states)	-- 47
1921 -- Polio (Acute) esp. late Summer-Fall (OR subset of 1,597 U.S. polio deaths)	-- 20
1927 -- Polio (Acute) esp. late Summer-Fall (OR subset, 2,013 polio deaths nationwide)	-- 84
1931 -- Influenza (OR subset of 31,701 influenza deaths nationwide)	-- 160
1939 -- Influenza and Pneumonia (OR subset, 99,097 U.S. influenza/pneumonia deaths)--	553
1939 -- Tuberculosis (OR subset of 61,609 tuberculosis deaths nationwide)	-- 186
1940 -- Influenza and Pneumonia (OR subset of 92,525 U.S. flu and pneumonia deaths)--	600
1940 -- Tuberculosis (OR subset of 55,576 tuberculosis deaths nationwide)	-- 275
1941 -- Measles , especially children (OR subset of 2,279 measles deaths nationwide)	-- 13
1942 -- Jan 17, USAAF Boeing B-17E takeoff crash from Pendleton Field, OR	-- 8
1943 -- Jan 01~, Navy PBY Flying Boat sinks off Coos Bay, OR	-- 7
1943 -- Aug 10, Walla Walla-based USAAF bomber crashes near Cecil, OR	-- 8
1944 -- Cerebrospinal Meningitis (OR set of 2,812 U.S. cerebrospinal meningitis deaths)--	26
1944 -- Polio , the year, especially July-Nov (OR set of 1,070 polio deaths nationwide)	-- 28

⁵⁷⁷ While the plane went down off northern California coast, it was crewed by a Portland, Oregon Air Reserve unit.

⁵⁷⁸ The shooter, 26-year-old Chris Harper Mercer, killed nine people, wounded seven, and died in police shootout.

⁵⁷⁹ According to *The Oregon Encyclopedia*, “Disease Epidemics among Indians, 1770s-1850s,” “both the 1800-1801 and 1824 epidemics are documented...” Of course, the death toll would have been very much more than “over 10,” most probably in the hundreds, however we have no basis for manufacturing a more accurate number.

1944 -- Tuberculosis (OR subset of 54,731 tuberculosis deaths nationwide)	--	307
1957 -- Nov, Asian Influenza (and Pneumonia) Epidemic (OR subset of 70,000 US deaths)--	212	
1958 -- April 4, Car of teenagers hits Greyhound bus, St. Hwy 226 ~Creswell, OR	--	5
1964 -- March 28, Tsunami, Newport, OR	--	4
1974 -- Jan 16, Canyon Mountain Landslide, Canyon Pass, Canyonville, OR	--	9
1986 -- May 14-15, Blizzard, Oregon Episcopal School mt. climbing group, Mt. Hood, OR--	9	
1988 -- Summer Heat, Lane, Malheur, Marion and Polk (2) Counties, OR	--	5
1988 -- Aug 3, Multi-vehicle pileup (smoke from burning field), I-5 near Albany, OR	--	7
1996 -- Nov 18-20, Mudslides, Douglas County, OR	--	5
1999 -- Sep 25, I-84 pileup/dust storm/high wind/wheat field under plow ~Pendleton, OR--	8	
2007 -- Dec 1-4, Winter Storm (The Great Coastal Gale of 2007) OR	--	5
2012 -- Dec 30, Road, Tourist Charter Bus Crash, icy I-84 near Pendleton, OR	--	9

Breakout of Oregon Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 25 -- Maritime and Inland Waterways.
- 20 -- Violence
- 11 -- Aviation (Plus three -- two with 8 fatalities each and one with 7 in "Other.")
- 10 -- Disease, select communicable, especially epidemics (Plus 30 in "Other.")
- 5 -- Fire, structural
- 5 -- Flooding
- 2 -- Structural Failure. (Cross-listed in Flooding and in Rail in that flood weakened trestle.)
- 2 -- Wind Storms.
- 1 -- Explosion.
- 1 -- Forest Fire.
- 1 -- Heat. (Plus 5 heat-related deaths in 1988.)
- 1 -- Poisoning (unintentional)
- 1 -- Rail
- 1 -- Volcano. (OR residents killed in Mt. St. Helens vicinity on May 18, 1980 when it erupted.)
- 0 -- Landslides/Mudslides (But 2 -- one with 9 deaths in 1974 and one with 5 in 1996.)
- 0 -- Road/Highway. (Four events fewer than 10 deaths: 1958 (5), 1988 (7), 1999 (8) 2012 (9).
- 0 -- Winter Storms. (One with 9 deaths in 1987 and one with 5 in 2007 in "Other.")

PA

Pennsylvania

1.	1699 -- Yellow Fever Epidemic, Philadelphia, PA	-- 220
2.	1731 -- Smallpox Epidemic, Philadelphia, PA	-- 288
3.	1736 -- Smallpox Epidemic, Philadelphia, PA	-- 158
4.	1741 -- Yellow Fever Epidemic, Philadelphia, PA	-- 250
5.	1754 -- Typhoid Fever , Philadelphia, PA	-- 273
6.	1755 -- Oct 16-17, Massacre , Natives attack German settlers, Penn's Creek, PA	-- ≥13
7.	1755 -- Oct 31--Nov 2, Delawares/Shawnees attack settlers , Fulton/Franklin Co, PA--	≥11
8.	1755 -- Nov 14-15, Delaware Natives attack German settlers , Berks County, PA	--9--15
9.	1756 -- Smallpox Epidemic, Philadelphia, PA	-- 900
10.	1759 -- Smallpox Epidemic, Philadelphia, PA	-- 600
11.	1761 -- Spring, 1st American Influenza Epidemic , esp. Natives, esp. MA, PA ⁵⁸⁰	--Hundreds
12.	1763 -- Wyoming Flats, Massacre of Settlers , Luzerne County, PA	-- ~ 20
13.	1763 -- Dec 14 & 27, Massacres , <i>Paxton Boys</i> kill Natives, Conestoga & Lancaster, PA--	20
14.	1764 -- July 26, Massacre , Indians attack one-room Schoolhouse, ~Greencastle, PA	-- 11
15.	1773 -- Smallpox Epidemic, Philadelphia, PA	-- 300
16.	1776/77 -- Smallpox , Philadelphia, PA	--2,500
17.	1793 -- Aug--Nov, Yellow Fever Epidemic, Philadelphia, PA	4,041-5,000
18.	1797 -- Summer-Fall, Yellow Fever Outbreak, Philadelphia, PA	--1,300
19.	1798 -- Yellow Fever Outbreak, Chester and especially Philadelphia, PA	--3,695
20.	1799 -- July-Nov (especially Sep), Yellow Fever Epidemic, Philadelphia, PA	--1,000
21.	1800 -- July-Sep, Yellow Fever , Philadelphia, PA	-- 20
22.	1802 -- Yellow Fever Outbreak, Philadelphia, PA	-- 307
23.	1803 -- Yellow Fever , Philadelphia, PA	-- 195
24.	1805 -- Yellow Fever , Philadelphia, PA	300-400
25.	1808 -- Smallpox , Philadelphia, PA	-- 145
26.	1818 -- Yellow Fever Outbreak, Philadelphia, PA	-- 13
27.	1820 -- Jul 24-Nov, Yellow Fever Outbreak, Philadelphia, PA	--83-84
28.	1822 -- Jan 24, Fire, Philadelphia Orphan Asylum , Schuylkill & Cherry, Philly, PA--	23
29.	1823 -- Smallpox , Philadelphia, PA	-- 160
30.	1824 -- Smallpox , Philadelphia, PA	--325-330
31.	1832 -- June 26-Dec 17, Cholera Epidemic, especially Philadelphia	1,087-1,102
32.	1833 -- Oct 04, Fire, Eagle Woolen Mills , Allegheny, PA	-- 13
33.	1834 -- Aug, Cholera , Beaver and Washington Counties, PA	-- 29
34.	1834 -- Smallpox , Philadelphia, PA	-- 195
35.	1836 -- Scarlet Fever , Philadelphia, PA	-- 240
36.	1837 -- Scarlet Fever , Philadelphia, PA	-- 205
37.	1843 -- Aug 05, Cloudburst, Flash Flood , West, Southwest of Philadelphia, PA	-- 19
38.	1844 -- May 6-8, Riots , Protestant Nativists and Catholic Irish, Philadelphia, PA	-- 14
39.	1844 -- July 6-8, Anti Irish-Catholic Nativist Riot/Military Response , Philly, PA	--15-50
40.	1846 -- Jan 12, Delaware & Hudson Coal Mine Cave-in , Carbondale, PA	-- 14
41.	1849 -- May 30-Sep 8, Cholera , statewide, esp. Philadelphia (~1000), Pittsburgh vic.	--1,740
42.	1850 -- Spring-Aug 23, Cholera , Alleghany City, Pittsburgh, Philadelphia, Uniontown--	59
43.	1850 -- July 09, Fire, Old City Philadelphia , PA	-- 44

⁵⁸⁰ Cross-listed in Massachusetts.

Pennsylvania (continued)

44.	1850 -- July 18-19, Tropical Storm Remnant , Flooding , East-Central PA	-- 20
45.	1850 -- Sep 2, Rain/ Flooding , esp. east central PA, esp. Tamaqua, Nescopeck Forge ⁵⁸¹	100-120
46.	1852 -- Smallpox Outbreak, Philadelphia, PA	-- 427
47.	1853 -- July 19-Oct, Yellow Fever Epidemic , Philadelphia, PA	-- 128
48.	1854 -- Jun-Oct, Cholera , esp. Allegheny, Columbia, Philadelphia, esp. Pittsburgh PA	1,242
49.	1856 -- Mar 15, Steam Ferry New Jersey Fire , DE River, Philly to Camden, NJ	-- 61
50.	1856 -- July 01, Wharf Fails , Reed Street, Delaware River, Philadelphia, PA	--10-20
51.	1856 -- July 17, North Penn. Rail Great Train Wreck , Camp Hill/Ft. Washington, PA	66-67
52.	1860 -- Scarlet Fever ; subset of 26,402 deaths in 38 Census States & DC ⁵⁸²	--3,156
53.	1860 -- Mar 6, Steamer Alfred Thomas Boiler Explosion, Delaware River, Easton PA	--10-12
54.	1860 -- Sep 24, Boiler Explosion , W. W. Wallace Marble Works, Pittsburgh, PA	--10-12
55.	1861 -- Smallpox Outbreak, Philadelphia, PA	-- 758
56.	1862 -- Mar 29, Samuel Jackson Cartridge Factory Explos. , Tenth & Reed, Philly, PA	15-17
57.	1862 -- June 4/5, Great Flood of '62 , Flooding & Dam Failures , Lehigh River, PA	-- ~150
58.	1862 -- Sep 17, Allegheny Arsenal Explosion & Fire , Lawrenceville/Pittsburgh, PA	--74-79
59.	1864 -- Cerebral Spinal Meningitis Epidemic, Carbondale & Philadelphia, PA	-- 784
60.	1864 -- Jul 20, Structural Collapse , Blockley Almshouse and Insane Asylum, Philly	--16-18
61.	1864 -- July 15, Headon Erie RR war-prisoner train/PA coal train crash ~Shohola PA	≥74
62.	1865 -- Smallpox Outbreak, Philadelphia, PA	-- 524
63.	1865 -- Feb 08, Conflagration Fire , Philadelphia, PA	-- 20
64.	1866 -- Sep 14, Bridge Collapse , Johnstown, PA	-- 13
65.	1867 -- Jun 06, Geasy & Ward's Cabinet Makers Boiler Explosion & Fire , Philly, PA	--23-27
66.	1867 -- Jun 19, Fire and Wall Collapse , Fox's American Theater, Philadelphia, PA	--10-15
67.	1867 -- Nov 08, Boiler Explosion , Reese & Co. Rolling-Mill, Pitt Township, PA	--17-20
68.	1868 -- Mar 31, Shaft Platform Break/Fall, Diamond Coal Mine , Scranton, PA	-- 12
69.	1868 -- Apr 15, Broken Rail, Train Derails/Fire , Carr's Rock, Pike County, PA	--22-26
70.	1868 -- July 16, Heat Wave , Philadelphia, PA	-- 13
71.	1869 -- Sep 06, Avondale Coal Mine Fire, Plymouth, PA	-- 110
72.	1869 -- Dec 18, Subsidence , Houses fall into Coal Mine , Stockton, near Hazelton, PA	6-15
73.	1870 -- Scarlet Fever , especially children (subset of 20,339 deaths nationwide)	--5,645
74.	1871 -- May 27, West Pittston Coal Mine Smoke Suffocation, West Pittston, PA	-- 20
75.	1871 -- Aug 14, Eagle Shaft Coal Mine Explosion, Pittston, PA	-- 17
76.	1871 -- Winter-March 1872 -- Smallpox Epidemic, Philadelphia, PA	--4,464
77.	1872 -- Cholera , Philadelphia, PA	--1,666
78.	1872 -- Measles Epidemic, Philadelphia, PA	-- 143
79.	1872 -- Smallpox Epidemic, especially, Philadelphia (2,585), PA	--2,587
80.	1872 -- Summer, Excessive Heat and Sunstroke, Philadelphia, PA	-- 136
81.	1872 -- Dec 25, Memorial Bap. Church XMAS Svc. Floor Collapse , Newberry, PA	--13-15
82.	1873 -- Jun 10, Mine Fire , Henry Clay Coal Mine, Shamokin, PA	-- 10
83.	1874 -- Feb 13, 3 rd Story Ice House Walls Fail, Brewery Collapse , Philadelphia, PA	-- 8-12
84.	1874 -- July 26, Heavy Rain, Flooding , Allegheny/Pittsburgh, PA	--100-220
85.	1877 -- July 20-26, Great Railroad Strike , Erie, Pittsburgh, Reading, Shamokin, PA	--66-69

⁵⁸¹ Cross-listed in Structural Failures in that most of the fatalities were of people in structures which failed.

⁵⁸² Second leading known cause of death in the State in 1860, behind consumption.

Pennsylvania (continued)

86.	1877 -- Oct 4, Tropical storm flooding, rails wash out, train derails ~Kimberton, PA ⁵⁸³ --11
87.	1878 -- Jan 31, Steamship Metropolis Wrecks , Gale, S. of Jones Hill Station, NC ⁵⁸⁴ --85-100
88.	1878 -- July 04, Severe Weather, Wind, Downbursts, Flash Flood ~ Pittsburgh, PA -- 15
89.	1878 -- Oct 21-23, Hurricane and Flooding , especially Philadelphia, PA -- 12
90.	1879 -- June-May, 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)--4,632
91.	1880 -- Scarlet Fever , esp. children (State subset of 16,388 Census Year SF deaths) ⁵⁸⁵ --1,795
92.	1880 -- Jan-Dec, Smallpox , Philadelphia, PA -- 429
93.	1880 -- Aug 11, Trains Collide , West Jersey & Atlantic RR, Mays Landing, NJ ⁵⁸⁶ --23-26
94.	1880 -- Oct 9, Trains Collide , Pennsylvania Railroad, Pittsburgh, PA --27-32
95.	1881 -- Jan-Dec, Smallpox , especially Philadelphia & Pittsburgh, PA --1,962
96.	1881 -- Jan 06, Big Puddle Boiler Explosion , Allentown Rolling Mill Co., PA --13-14
97.	1881 -- Feb 27, Fire, St. Patrick's Orphanage , Scranton, PA -- 17
98.	1881 -- July 12-13, Heat wave , Sunstroke & Excessive Heat, Pittsburgh, PA -- 21
99.	1881 -- Oct 12, Fire, Randolph Cotton and Woolen Mill , Randolph St., Philly, PA -- 9-12
100.	1881 -- Dec 10, Lamp Fire, Boarding House , Rock Cut, ~Pittsburgh, PA --16-17
101.	1882 -- Feb 17, Explosion, Jackson Fireworks Plant , Chester, PA --15-21
102.	1882 -- Smallpox , esp. Bethlehem (192), Pittsburgh/Allegheny (490), Philly (314) --1,111
103.	1884 -- Feb 20, West Leisenring Coal Mine Explosion, West Leisenring, PA -- 19
104.	1884 -- May 14, Trains Collide , Baltimore & Ohio RR, near Connellsville, PA -- 14
105.	1884 -- Oct 27, " Fire Damp " Gas Explos. , Youngstown Coke Works, Uniontown, PA--14
106.	1885 -- Feb 12, Arson Fire, Dept. for Insane, Blockley Almshouse, Philadelphia, PA-19-20
107.	1885 -- Apr 06, Cuyler Coal Mine Roof Fall , Raven Run, PA -- 10
108.	1885 -- Spring, Typhoid Epidemic, Plymouth, PA -- 114
109.	1885 -- July 15-26, Excessive Heat , Philadelphia, PA -- 40
110.	1885 -- Aug 11, Gas from Boiler Fire, West End Coal Mine , Mocanaqua, PA -- 12
111.	1885 -- Dec 18, Water Breach/Quicksand, Nanticoke Coal Mine # 1 Nanticoke, PA --26-28
112.	1885 -- Dec 25, Steamship City of Nassau lost after leaving Philadelphia, PA -- 17
113.	1886 -- Nov 26, Mine Gas Explosion, Conyngham Coal Mine, Wilkes-Barre, PA -- 12
114.	1888 -- March 11-14, Blizzard , PA, especially Philadelphia and PA Maritime -- ~41
115.	1888 -- June 26, Trains Collide , Penn & Schuylkill RR, Cable City, ~Shamokin PA-- 6-11
116.	1888 -- Oct 10, Lehigh Valley RR Trains Collide, Mud Run , Carbon County, PA --64-66
117.	1888 -- Oct 16, Trains Collide , near Tamanend switch, PA -- 10
118.	1888 -- Nov 3, Cook's Run Mine Explosion , Kettle Creek Coal Mine, Westport, PA-- 18
119.	1888 -- Nov 27, Philly Steam Collier Allentown grounds off Cohasset, MA, storm ⁵⁸⁷ 18-21
120.	1889 -- Jan 09, Winter Windstorm , especially Pittsburgh and Reading, PA --48-61
121.	1889 -- Feb 25, Powder Explosion , Squib (Mining Fuse) Factory, Plymouth, PA -- 11

⁵⁸³ Cross-listed in Rail.

⁵⁸⁴ Cross-listed in PA in that most of the passengers, as well as fatalities, were Philadelphia and vicinity railroad industry connected men on the way to Brazil to work on railroad project there.

⁵⁸⁵ PA led the nation in Scarlet Fever deaths in 1880, with IN second at 1,212, and NY third with 1,019. This disease was epidemic in a number of central PA localities. Eighteen children, for example, died in one day, Dec 23, in the small central-western town of Houtzdale, and 30 deaths were reported there in less than one week.

⁵⁸⁶ Cross-listed in PA in that this was a special excursion train carrying members of St. Anne's Roman Catholic Church in Philadelphia to Atlantic City and back. Virtually all, if not all, of the fatalities were from Philadelphia.

⁵⁸⁷ Cross-listed in MA, where the ship was lost. Was owned, operated, crewed out of Philadelphia.

Pennsylvania (continued)

122.	1889 -- May 9, Kaska William Coal Mine Car Falls, Men in Cage, Middleport PA	-- 10
123.	1889 -- May 31, Dam Failure and Flood , Johnstown, PA	--3,311
124.	1889 -- May 31/Jun 1, Flooding , Nittany Valley, North Central PA	-- ~84
125.	1889 -- June 26, Three Trains Collide , Burn, Loyal Hanna Bridge, near Latrobe PA	10-12
126.	1889 -- Dec 10, Fire Scare, Trampling, Parke Theater/Opera House , Johnstown, PA	12
127.	1890 -- Jan-Mar 8, Influenza (La Grippe/Russian Flu), esp. Philadelphia, PA	--1,230
128.	1890 -- May 15, Mine Explosion , Jersey No. 8 Coal Mine, Ashley, PA	-- 28
129.	1890 -- June 16, Hill Farm Coal Mine Fire , Dunbar, PA	-- 31
130.	1890 -- Aug 19, Tornadoes , Luzerne, Susquehanna, Berks, Carbon Counties, PA	-- 28
131.	1890 -- Sep 19, Three Train Collision , Shoemakersville, Berks County, PA	-- 22
132.	1891 -- Jan 27, Mine Explosion , Mammouth Mine, Mount Pleasant, PA	-- 109
133.	1891 -- Feb 4, Mine Flood , Jeansville Coal Mine, near Hazleton, PA	-- 17
134.	1891 -- Apr 02, Violence , Deputies Kill Strikers, Morewood Mine , Morewood, PA	-- 11
135.	1891 -- Nov 08, Mine Explosion , Susquehanna No. 1, Coal Mine Nanticoke, PA	-- 12
136.	1892 -- Apr 20, Lytle Coal Mine Flooding , Minersville, PA	-- 10
137.	1892 -- Apr 27, Fire, Gilmore's Central Theater , Philadelphia, PA	-- 14
138.	1892 -- June 09, Dam Failure, Flooding , Oil Fire, Titusville, Oil City, PA	-- 350
139.	1892 -- June 25, Trains Collide , Western Express, near Union Station, Harrisburg, PA	-- 12
140.	1892 -- July 06, Violence, Strikers & Pinkertons , Carnegie Steel, Homestead, PA	-- 11
141.	1892 -- July 23, Mine Explosion , York Farm Coal Mine, Pottsville, PA	-- 15
142.	1892 -- Sep 07, Train Wreck , near Eckenrode Mills, PA	-- 14
143.	1893 -- Apr 01, Neilson Coal Mine Fire , Shamokin, PA	-- 10
144.	1894 -- Feb 13, Gaylord Coal Mine Roof Collapse , Plymouth, PA	-- 13
145.	1896 -- Mar 23, Coal Mine Explosion , Berwind Coal Mine, DuBois, PA	-- 13
146.	1896 -- Jun 28, Mine Flood/Roof Collapse , Twin Shaft Coal Mine, Pittston, PA	-- 58
147.	1896 -- Aug 6-11, Heat Wave , especially Philadelphia and Pittsburgh, PA	-- 174
148.	1898 -- Feb 09, Fire & Explosions , Chautauqua Lake Ice Co. Bldg., Pittsburgh	--14-20
149.	1898 -- Aug 22, Carnegie Tunnel Wall Collapses burying workmen, ~Pittsburg, PA	8-10
150.	1898 -- Sep 2-6, Heat Wave , Philadelphia, PA	-- 22
151.	1899 -- Typhoid Fever Epidemics/Outbreaks, especially Philadelphia; also west PA	--1,011
152.	1899 -- Jan 09, Trains Collide , Lehigh Valley Railroad near West Dunellen, NJ ⁵⁸⁸	-- 17
153.	1899 -- May 12, Trains Collide , Philadelphia & Reading Railroad, Exeter, PA	-- 29
154.	1899 -- Dec 23, Sumner Mine Explosion , Braznell Coal, Redstone Township, PA	-- 19
155.	1900 -- July 04, Fireworks Explosion (children), Eighth Street, Philadelphia, PA	-- 7-10
156.	1900 -- July 17, Aug 7-10, Aug 26, Heat Waves , esp. Philadelphia, Pittsburgh, PA	-- 45
157.	1900 -- Aug 12, Train hits horse-drawn coach at grade crossing ~Slatington, PA	--13-15
158.	1900 -- Sep 02, Milk and Excursion Trains Collide , Reading RR, Hatfield, PA	--13-14
159.	1901 -- June-July (esp.), Heat (subset of 4,012 US deaths) esp. Philadelphia/Pittsburgh	307
160.	1901 -- June 10, Mine Explosion , Port Royal No. 2 Coal Mine, Port Royal, PA	-- 19
161.	1901 -- July 11, Nickel Plate RR Bridge Collapse, Train Crash , Springfield, PA	-- 11
162.	1901 -- Aug 28, City of Trenton boiler explodes , Delaware Riv., ~Torresdale, PA	--26-28
163.	1901 -- Oct 25, Fire, Hunt & Wilkinson Co. Furniture Warehouse , Philadelphia	--21-25
164.	1901 -- Dec 19, Blast Furnace Gas Explos. , Jones & Laughlin Co., Pittsburgh, PA	--10-15

⁵⁸⁸ Cross-listed under NJ – an excursion train from Shamokin – at least 13 of the fatalities were Pennsylvanians.

Pennsylvania (continued)

165.	1902 -- Apr 30, False-alarm fire panic , Harburger, Homan Cigar Factory, Philly, PA	8-10
166.	1902 -- May 12, Explosion , Freight Train Oil and Naphtha Cars, Sheraden, PA	--20-29
167.	1902 -- June-Aug (especially July, esp. Pittsburgh) Heat (subset of 290 heat deaths)--	20
168.	1902 -- July 10, Mine Explosion , Rolling Mill Coal Mine, Johnstown, PA	-- 113
169.	1903 -- Apr 30, Explosions , Crescent Powder Co., Ganister, near Hollidaysburg, PA--	10
170.	1903 -- Summer (esp. July 2-10), Heat Waves , Philadelphia and Pittsburgh, PA	-- 13
171.	1903 -- July 05, Cloudburst, Dam Failure , Flood , Oakford Park (~Pittsburgh), PA	--20-23
172.	1903 -- Aug 08, Bleacher Collapses , National Baseball Park, Philadelphia, PA	-- 12
173.	1903 -- Oct 19, Ropes Break , Wabash Railroad Bridge Construction, Pittsburgh, PA--	10
174.	1903 -- Nov 21, Mine Explosion , Ferguson Coal Mine, Connellsville, PA	-- 17
175.	1903 -- Nov 21, Railroad Workmen "Shanty" Fire , near Lilly (~Johnstown), PA	--31-35
176.	1903 -- Dec 23, Train Wreck , Connellsville, PA	-- 64
177.	1904 -- Jan 25, Mine Explosion , Harwick Coal Mine, Cheswick, PA	-- 184
178.	1904 -- Mar 31, Explosion , Dickson Squib Factory , Priceburg, PA	-- 11
179.	1904 -- Sep 10, Powder Mill Explosion , Fairchance, PA	-- 19
180.	1904 -- Nov 02, Mine Haulage Accident , Auchincloss Coal Mine, Nanticoke, PA	-- 10
181.	1905 -- Tuberculosis , Philadelphia, PA	--3,365
182.	1905 -- Jan 03, Fire , Entire Noweski Family Killed , Morris Run, PA	-- 10
183.	1905 -- Apr 26, Mine Haulage Accident , Conyngham Coal Mine, Wilkes-Barre, PA	-- 10
184.	1905 -- Apr 27, Coal Mine Explosion , Eleanora Coal Mine, Dubois, PA	-- 13
185.	1905 -- May 11, Trains Collide , Blasting Powder Explos., Fire, SE Harrisburg, PA	-- 23
186.	1905 -- Aug 16, Quarry Landslide , Lehigh Portland Cement Co., Ormrod, PA	-- 12
187.	1905 -- Sep 10, Rand Powder Mill Explosions (powder, dyn.)/Fire, Fairchance PA	--19-25
188.	1906 -- Jan 21, Fire/Tramplng , St. Paul's Baptist Church , Philadelphia, PA	-- 18
189.	1906 -- May 04, Trains Collide , Clover Creek Junction, PA	-- 10
190.	1906 -- June 09, Explosion , Dynamite Plant, Bausman's Hollow, PA	-- 11
191.	1906 -- July 03, Runaway Mine Car Hits Pedestrians , near Portage, PA	--11-13
192.	1907 -- Diphtheria and Croup , esp. children (PA subset, 10,154 US deaths) ⁵⁸⁹	--2,138
193.	1907 -- Tuberculosis , especially Philly (3,717) (subset of 76,650 US deaths)	--9,317
194.	1907 -- Typhoid Fever (subset of approximately 13,000 deaths nationwide)	--3,538
195.	1907 -- Jan 09, Explosion , Eliza Furnaces , Jones & Laughlin Steel, Pittsburgh, PA	--12-34
196.	1907 -- Mar 13-15, Flooding , Western PA, especially Pittsburgh, PA	-- ~35
197.	1907 -- Dec 1, Coal Mine Explosion , Naomi Coal Mine, Fayette City, PA	-- 34
198.	1907 -- Dec 19, Mine Explosion , Darr Coal Mine, Jacobs Creek/Van Meter, PA	-- 239
199.	1908 -- Tuberculosis , Philadelphia, PA	--3,490
200.	1908 -- Jan 13, Fire and Tramplng , Rhoads Opera House , Boyertown, PA	--169-175
201.	1908 -- May 12, Coal Mine Explosion , Mount Lookout, Wyoming, PA	-- 12
202.	1908 -- Aug 10, Boiler Explosion , Susquehanna Iron & Steel Co. , York, PA	-- 10
203.	1908 -- Nov 28, Coal Mine Explosion , Rachel and Agnes Coal Mine, Marianna, PA--	154
204.	1909 -- Tuberculosis , Philadelphia, PA	--3,496
205.	1909 -- May 11, Overloaded Launch sinks/drownings , OH Riv., ~Schoenville, PA	20-26
206.	1909 -- June 23, Coal Mine Explosion , Lackawanna No. 4 coal mine, Wehrun, PA	-- 21
207.	1909 -- Aug 09, Heat , especially Philadelphia, PA	-- 10

⁵⁸⁹ Note that over one-fifth of all diphtheria and croup deaths in the U.S. in 1907 took place in Pennsylvania.

Pennsylvania (continued)

208.	1909 -- Oct 31, Franklin No. 2 Coal Mine, Explos. , Cambria Steel, Johnstown PA	--12-13
209.	1910 -- Tuberculosis , Philadelphia, PA	--3,190
210.	1910 -- Feb 05, Coal Mine Explosion , Ernest No. 2 Coal Mine Ernest, PA	-- 12
211.	1910 -- Apr 13, Limestone Quarry Explosion , Nazareth, PA	-- 11
212.	1910 -- Jun 20-27, Heat Wave , especially Philadelphia, PA	-- 50
213.	1910 -- Dec 21, Fire, Friedlander Leather Remnants Factory , Philadelphia, PA	-- 14
214.	1911 -- Aug-Dec, Tuberculosis , Statewide	--3,921
215.	1911 -- Apr 07, Coal Mine Fire , Price-Pancoast Coal Mine Throop, PA	-- 73
216.	1911 -- June, Heat Wave , especially around June 10, Pittsburgh, PA	-- 30
217.	1911 -- Jul 1-13, Heat Wave , especially, Philadelphia and Pittsburgh, PA	--216-278
218.	1911 -- July 4, Swimming Drownings , greater Philadelphia, PA	-- 12
219.	1911 -- July 15, Mine explosion , Sykesville Mine, Cascade Coal Co. Sykesville, PA--	21
220.	1911 -- Aug 26, Trampling/Suffocation, Opera House , Canonsburg, PA	-- 26
221.	1911 -- Sep 30, Bayliss Dam Failure, Flooding , Freeman Run Valley, Austin, PA--	78-149
222.	1912 -- Smallpox , especially Pittsburgh, PA (≥ 33 deaths) Aug 4-Oct 19	-- 37
223.	1912 -- Jan 27-Feb 3, Diphtheria , especially children, Philadelphia, PA	-- 72
224.	1912 -- Jan 1-Jun 8, Tuberculosis , esp. Philadelphia, PA	--2,832
225.	1912 -- Apr 14, RMS Titanic Sinks, PA victims, esp. Monessen, Coal Center, PA ⁵⁹⁰ --	≥ 29
226.	1912 -- Apr 23, Cincinnati Mine Explosion , Pittsburgh Coal Co., Finleyville, PA	-- 115
227.	1912 -- July 5, Trains Collide , Ligonier, PA	-- 23
228.	1912 -- July 24, Mine Flooding , Superba and Lemont Coal Mine, Evans Station, PA--	18
229.	1912 -- Sep 12, Cloudbursts, Flooding , Western PA, especially Avella, PA	-- 12
230.	1913 -- Apr 23, Coal Mine Explosion , Cincinnati Coal Mine, Finleyville, PA	-- 98
231.	1913 -- June 27-July 2, Heat Wave , esp. Gettysburg, Philadelphia and Pittsburgh	-- 44
232.	1913 -- Jun 28, Raft Ferry sinks/drownings , Kiskiminetas River, near Leechburg, PA--	10
233.	1913 -- Aug 02, Coal Mine Explosion , East Brookside Coal Mine, Tower City, PA	-- 20
234.	1914 -- Dec 09, Tripp Coal Mine Haulage Accident , Scranton, PA	-- 13
235.	1915 -- Feb 17, Gas Explosion, Oakwood Shaft, Prospect Coal Mine , Wilkes-Barre PA--	13
236.	1915 -- Aug 3, Cloudburst, Flash Flood , Drownings, Mill Creek, Erie, PA	--29-45
237.	1915 -- Aug 31, Coal Mine Explosion , Orenda Coal Mine, Boswell, PA	-- 19
238.	1915 -- Oct 25, Fire, Union Paper Box Company , Pittsburgh, PA	-- 14
239.	1916 -- Diphtheria , especially children, PA ⁵⁹¹	--1,653
240.	1916 -- Feb 11, Coal Mine Explosion , Ernest No. 2 Coal Mine, Ernest, PA	-- 27
241.	1916 -- esp. July 1-Oct 15, Polio Epidemic, especially Philadelphia, PA ⁵⁹²	-- 414
242.	1916 -- July 02, Powder Explosion, Aetna Explosives Co. , Emporium, PA	-- 11
243.	1916 -- Aug 12, Runaway Trolley Car Collision , ~Ebensburg and Johnstown, PA	--26-27
244.	1917 -- Feb 27, Trains Collide in Fog at Night, Mount Union, PA	-- 20
245.	1917 -- Mar 13, Mine explosion , Hendersonville No. 1 Coal Mine, Hendersonville PA--	14
246.	1917 -- Apr 10, Explosion , Munitions Plant, Eddystone, PA	-- 133
247.	1917 -- Dec 05, TNT Explosion , Aetna Chemical Plant, Heidelberg, ~Pittsburgh	-- 8-14

⁵⁹⁰ Out of approximately 1,517 total fatalities, approximately 119 were U.S.

⁵⁹¹ PA was second only to NY (1,518) in 1916 in diphtheria deaths – and NY had more than twice the population.

⁵⁹² Though not averaging ten deaths per day, this epidemic was viewed with great alarm and extraordinary precautions, including a PA quarantine against NY and a VA quarantine of children from PA coming into the State.

Pennsylvania (continued)

248.	1918 -- Typhoid Fever (PA subset of 9,100 U.S. Typhoid Fever deaths) ⁵⁹³	--	924
249.	1918 -- May 18, Explosion, Aetna Chemical Co. Munitions Plant, Oakdale, PA	--	193
250.	1918, Sep-Dec, 1919, Influenza & Pneumonia Epidemic, esp. Philly, PA	85,218-87,494	
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, esp. Philadelphia, PA	64,724-67,000	
	1919 -- Jan-Dec, Influenza & Pneumonia, esp. Philadelphia and Pittsburgh, PA	--20,494	
251.	1919 -- Jan 07, Explosion and Fire, Film Exchange, Penn Ave., Pittsburgh, PA	--10-12	
252.	1919 -- Jan 13, Trains Collide, Fort Washington, PA (near Philadelphia)	--	14
253.	1919 -- June 5, Mine Explosion, Baltimore Tunnel No. 2 Mine, Wilkes-Barre, PA	--92-93	
254.	1919 -- Nov 01, Train Hits "Auto-Truck" at Grade Crossing, Clarksboro, NJ ⁵⁹⁴	--14-16	
255.	1919 -- Dec 25-30, Wood Alc. Poisoning, Chester, Easton, Emporium, Philly, Pitt.	--	12
256.	1920 -- Diphtheria & Croup (PA subset, 13,395 such deaths, 34 reg. states) ⁵⁹⁵	--1,713	
257.	1920 -- Jan-Dec, Influenza & Pneumonia, esp. Philadelphia and Pittsburgh, PA	12,582	
258.	1920 -- Measles (PA subset of 7,712 measles deaths in 34 registration states) ⁵⁹⁶	--1,153	
259.	1920 -- Scarlet Fever (PA subset, 4,004 scarlet fever deaths, 34 registration states)	--	497
260.	1920 -- Tuberculosis, especially Philadelphia, Pittsburgh, and Scranton PA	--8,028	
261.	1920 -- Typhoid Fever (PA subset, 6,805 typhoid fever deaths, 34 reg. states) ⁵⁹⁷	--	503
262.	1920 -- Whooping Cough (PA subset, 10,968 whoop. cough deaths, 34 reg. states) ⁵⁹⁸	1,195	
263.	1920 -- July 3, Trains Collide, Lackawanna & WY Valley RR, South Pittston, PA	--	17
264.	1921 -- Sep 10, Third Street Foot-Bridge Collapses, Chester River, Chester, PA	--	24
265.	1921 -- Sep 14, Explosion/Fire, Atlantic Refining Co., Point Breeze, Philadelphia, PA	--	16
266.	1921 -- Dec 5, Trains collide/burn, Philadelphia & Reading RR ~Bryn Athyn, PA	--26-27	
267.	1922 -- Feb 02, Coal Mine Explosion, Gates No. 2 Coal Mine, Gates, PA	--	25
268.	1922 -- Nov 06, Coal Mine Explosion, Reilly Coal Mine, Spangler, PA	--	79
269.	1924 -- Jan 26, Mine Explosion, Lancashire No. 18 Coal Mine, Shanktown, PA	--	36
270.	1924 -- June 6, Mine Explosion, Loomis Collieries Coal Mine, Nanticoke, PA	--	14
271.	1924 -- June 28, Severe Weather, Th-storms, Tor., Flash Flooding, ~Pittsburgh PA	--	11
272.	1924 -- July 25, Coal Mine Explosion, Gates No. 1, Coal Mine, Brownsville, PA	--	10
273.	1924 -- Aug 29, Gasoline Tank Explosion, Peoples Natural Gas, Pittsburgh, PA	--	11
274.	1925 -- Aug 3, Coal Mine Explosion, Dorrance No. 9 Coal Mine, Wilkes-Barre, PA	--	10
275.	1926 -- Jan 23, Hotel Fire, Lafayette Hotel, Allentown, PA	--	13
276.	1926 -- Feb 3, Coal Mine Explosion, Horning No. 4, Coal Mine, Horning, PA	--	20
277.	1926 -- June 16, Trains Collide, Pennsylvania Railroad, near Gray, PA	--	16
278.	1926 -- July 20-23, Heatwave, especially Pittsburgh vicinity, PA	--	12
279.	1926 -- Aug 26, Coal Mine Explosion, Clymer No. 1 Coal Mine, Clymer, PA	--	44
280.	1927 -- July 13-16, Heatwave, especially Philadelphia and vicinity, PA	--	32
281.	1927 -- Nov 14, Natural Gas Tank Explosion, Equitable Gas Co., Pittsburgh, PA	--	28
282.	1928 -- Feb 20, Coal Mine Explosion, Kinloch Coal Mine, Parnassus, PA	--	12
283.	1928 -- May 19, Coal Mine Explosion, Mather No. 1 Coal Mine, Mather, PA	--	273

⁵⁹³ Only Texas (at 1,057) reported more typhoid fever deaths than PA; 3rd was MS, with 599, and 4th, AL with 598.

⁵⁹⁴ Cross-listed in PA in that all the victims were from Kensington mill-area of Philadelphia.

⁵⁹⁵ PA had 3rd highest state death rate, at 19.8 per 100,000 population. National average was 15.3.

⁵⁹⁶ In terms of large loss of life to measles in 34 registration states, PA was second, behind NY with 1,177 deaths.

⁵⁹⁷ PA led the nation in 1920 in typhoid fever deaths. Following were KY with 490, OH with 435, TN with 434.

⁵⁹⁸ PA led the nation in 1920 in whooping cough deaths. Second was NY with 1,063, then OH with 845.

Pennsylvania (continued)

284.	1928 -- May 25, Coal Mine Explosion , Baltimore No. 5 Coal Mine, Parsons, PA	--	10
285.	1928 -- Aug 15, Coal Mine Explosion , Irvona No. 3 Coal Mine, Coalport, PA	--	13
286.	1929 -- Mar 21, Coal Mine Explosion , Kinloch Coal Mine, Parnassus, PA	--	46
287.	1930 -- Apr 03, Explosions , Pennsylvania Fireworks Display Company, Devon, PA	--	10
288.	1930 -- Jul 28-Aug 10 Heat Wave , especially Pittsburgh area, PA	--	12
289.	1931 -- Influenza (PA subset of 31,701 influenza deaths nationwide) ⁵⁹⁹	--	2,885
290.	1931 -- Sum., esp. Jun 19, Jul 1-9, Aug 8, 19, heat waves , esp. Pittsburgh/Philadelphia	--	119
291.	1931 -- July 24, Fire, Little Sisters Home for the Aged/Poor , Pittsburgh, PA	--	48
292.	1932 -- Feb 4, Oil Tanker <i>Bidwell</i> explosion , Marcus Hook, PA	--	18
293.	1933 -- Feb 7-12, Cold Waves, Winter Storms , Blizzard-like conditions	--	11
294.	1933 -- Dec 26-28, Winter Storm/Coldwave , Pacific NW, Upper Mid-West, NE ⁶⁰⁰	--	11
295.	1934 -- Feb 20, Fire , Penn. Mem. Home/Hosp. (Civil War veterans widows), Brookville, PA	--	10
296.	1934 -- July Heat Wave , PA (subset of 1,683 fatalities nationwide)	--	18
297.	1935 -- Jan 21, Coal Mine Gas Explosion , Gilberton Coal Mine, Gilberton, PA	--	13
298.	1936 -- March 17-20, "St Patrick's Day Floods" , esp. Pittsburgh & Johnstown PA	--	~100
299.	1936 -- April 7, TWA Flight No. 1 Crash into Mt., Fairchance, PA (Southwest PA)	--	12
300.	1936 -- Sep 5, Skyways Sight-seeing Plane Crash , Buttermilk Hollow, PA ~Pittsburgh	--	10
301.	1936 -- Dec 19, Eastern Air NC13732 Crash , Milford, PA	--	14
302.	1937 -- Mar 25, Inflight Icing, Crash, TWA NC13730 , Clifton (~Pittsburgh), PA	--	13
303.	1938 -- Jan 12, Harwick Coal Mine Explosions , Harwick, PA	--	10
304.	1938 -- June 2, Coal Mine Gas Explosion , Butler Slope Coal Mine, Pittston, PA	--	10
305.	1938 -- ~July 28-Aug 15, Heat Wave , especially greater Philadelphia, PA	--	19
306.	1939 -- Influenza and Pneumonia (State subset, 99,097 U.S. flu/pneumonia deaths)	--	6,743
307.	1939 -- Tuberculosis (State subset of 61,609 tuberculosis deaths nationwide)	--	3,980
308.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	16
309.	1940 -- Influenza and Pneumonia (State subset, 92,525 U.S. flu/pneumonia deaths)	--	5,712
310.	1940 -- Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--	3,948
311.	1940 -- July 15, Coal Mine Explosion , Sonman, Portage Township, Cambria Co., PA	--	63
312.	1942 -- Mar 26, Sandts Eddy Limestone Quarry Asphyxiation , Allentown PA	--	31
313.	1942 -- May 22/23, Flooding , Eastern, Central, Northeastern PA	--	32-42
314.	1942 -- July 08, Liberty Bell Trolley, Freight Car Collide , near Norristown, PA	--	12
315.	1942 -- July 17-18, Rainstorms, Flooding , esp. Port Allegany, North-Central PA	--	>10
316.	1942 -- Dec 22, Rockslide Crushes Passenger Bus , near Aliquippa, PA	--	22
317.	1943 -- Sep 6, Congressional Limited Train Derailment , Frankford Junction, PA ⁶⁰¹	--	79-81
318.	1943 -- Sep 24, Coal Mine Explosion , Primrose Colliery, Minersville, PA	--	14
319.	1943 -- Dec 04, B-24 Bomber Crash , near Elverson, PA (near Reading, PA)	--	9-10
320.	1944 -- Polio , the year, especially July-Nov, PA (1,070 polio deaths nationwide)	--	117
321.	1944 -- Tuberculosis (PA subset of 54,731 tuberculosis deaths nationwide)	--	4,027
322.	1944 -- June 23, "Appalachians" Tornadoes , nine counties in PA	--	45

⁵⁹⁹ Pennsylvania led the nation in 1931 in influenza deaths. Neighbor Ohio was second with 1,936.

⁶⁰⁰ PA Subset of storm taking 102-145 lives.

⁶⁰¹ 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.

Pennsylvania (continued)

323.	1944 -- Dec 25, USAAF C-47A Plane Crash , Roundtop Mt. near Harrisburg, PA	--11-12
324.	1945 -- June 15, Train Collision , Milton, Northumberland County, PA	-- 19
325.	1947 -- Jan 15, Coal Mine Explosion , Nottingham Coal Mine, Plymouth, PA	-- 15
326.	1947 -- Feb 18, Train Derails , Pennsylvania RR <i>Red Arrow</i> , near Altoona, PA	-- 24
327.	1947 -- Apr 10, Coal Mine Explosion , Schooley Coal Mine, Exeter, PA	-- 10
328.	1947 -- Sep 09, Island Queen Steamboat fuel tanks explode, Fire , Pittsburgh, PA	-- 19
329.	1948 -- June 17, United Air Lines Flight 624 Crash , Mount Carmel, ~Shamokin, PA	-- 43
330.	1948 -- Oct 26-31, Industrial Smog/Pollution , Donora (and Webster), PA ⁶⁰²	--20-22
331.	1950 -- Polio , especially July-Nov, PA (1,904 polio deaths nationwide)	-- 102
332.	1950 -- Nov 24-27, East US “ Storm of the Century ,” subset for PA	-- 40
333.	1951 -- May 18, Penn. RR <i>Red Arrow & Pittsburgh Flyer Collide</i> ~Bryn Mawr, PA	-- 8-10
334.	1954 -- Oct 28, Fire/Chem. Tank Explos. , Charles W. Berg Labs, Philadelphia, PA	-- 10
335.	1954 -- Oct 15/16, Hurricane Hazel, Flooding , particularly Philly & Pittsburgh PA	-- 26
336.	1954 -- Dec 22, Johnson Flying Service Crash , Monongahela River, ~Pittsburgh, PA	-- 10
337.	1955 -- Aug 18/19, Hurricane Diane Flooding , esp. Stroudsburg, Southeast PA	-- 113
338.	1956 -- Apr 01, Plane Crash , Trans World Airlines, Greater Pittsburgh, PA	-- 22
339.	1957 -- Jul 19, Willow Grove NAS, PA , Neptune Crash, San Martino Mt., no. Italy ⁶⁰³	-- 11
340.	1958 -- Feb 17, Snowstorm , PA	-- 24
341.	1958 -- Mar 19-22 Snowstorm , PA	-- 27
342.	1958 -- Apr 05, Home Fire , Porter Township, near Jersey Shore and Williamsport, PA	-- 10
343.	1959 -- Jan 22, Coal Mine Flooding , Knox Coal Mine, Jenkins Township, PA	-- 12
344.	1959 -- June 02, Collision/Fire/Explos., Propane Gas Truck , ~Deer Lake, east PA	--11-12
345.	1959 -- Dec 01, Plane Crash, Allegheny Air , near Williamsport-Montoursville AP, PA	--25
346.	1960 -- Feb 12-15, Snowstorm , PA	-- 15
347.	1960 -- Mar 2-5, Snowstorm , PA	-- 16
348.	1960 -- Dec 10-12, Mid to North Eastcoast Snowstorm/Blizzard/Coldwave , PA ⁶⁰⁴	-- 26
349.	1961 -- Jan 19-20, Snowstorm , especially south-central and eastern PA	-- 21
350.	1961 -- Feb 3-5, Blizzard-like Snowstorm , PA	-- 15
351.	1962 -- July 28, “ Baseball ” train derails , Susquehanna Riv., Steelton, ~Harrisburg, PA	--19
352.	1962 -- Dec 06, Coal Mine gas and dust Explosions , Robena No. 3, Carmichaels, PA	-- 37
353.	1967 -- June 23, Plane Fire/Crash, Mohawk Air Flight 40 , Near Blossburg, PA	-- 34
354.	1968 -- Feb 11, Fire, Dwelling , Franklin, PA	-- 11
355.	1968 -- Dec 24, Plane Crash/Snowstorm, Allegheny Air 736 , Bradford, PA	-- 20
356.	1968 -- Dec-Jan 1969, A2/Hong Kong Influenza-Pneumonia Epidemic (~39,000 US)	1,501
357.	1969 -- Jan 06, Plane Crash on Approach, Allegheny Air Flight 737 , Bradford, PA	-- 11
358.	1971 -- Oct 19, Fire, Geiger Nursing Home , Texas Township, Honesdale, PA	-- 15
359.	1972 -- Jan 16, Fire, Pennsylvania House Hotel , Tyrone, PA	-- 12
360.	1972 -- June 21-25, Tropical Storm Agnes, Flooding, Dike Failures , PA	--60-62
361.	1973 -- Sep 13, Fire, Washington Hill Nursing Home , Philadelphia, PA	-- 11
362.	1973 -- Dec 04, Fire, Caley Nursing Home , Wayne, PA	-- 15

⁶⁰² These were deaths during the week of Oct 26-31. Deaths were higher than expected for several months.

⁶⁰³ Listed in PA in that the plane was assigned out of the PA Willow Grove Naval Air Station and manned by at least nine PA reservists. Nine other service-men lost their lives in a search and rescue mission when their plane crashed.

⁶⁰⁴ PA subset of 108-268 fatalities overall.

Pennsylvania (continued)

363.	1974 -- Jan 06, Plane Crash, Air East Airlines N125AE , Johnstown, PA	--	12
364.	1974 -- April 9, Tanker S.S. Elias explosions , Delaware River, Fort Mifflin, PA	--	13
365.	1975 -- Jan 31, SS Edgar M. Queeny/Corinthos collide , Marcus Hook, PA	--	29
366.	1976 -- July, "Legionnaires Disease" Strikes in Philadelphia, PA	--	34
367.	1977 -- Feb 24, Plane Crash, PA Government N631PT , Harrisburg, PA	--	10
368.	1977 -- July 20, Dam Failures, Flash Floods , Johnstown & Tanneryville, PA	--	84
369.	1978 -- Nov 5, Arson Fire, Allen Motor Inn , Honesdale, Wayne County, PA ⁶⁰⁵	--	12
370.	1979 -- Feb 18-19, "Presidents' Day" Winter Storm (snow, ice, extreme cold)	--	~19
371.	1979 -- Apr 1, Fire, Marietta Manor elderly private care home , Connellsville, PA--	10	
372.	1980 -- June-Aug (esp.), Heat , especially greater Philadelphia	--	20
373.	1980 -- Oct 24, SS Poet leaves Philadelphia for Egypt, lost , probably Oct 25-26	--	34
374.	1982 -- Jan 9-19, Winter Weather (Extreme Cold, Ice and Snow Storms)	--	32
375.	1982 -- Sep 25, George Banks family shooting spree , Jenkins Twp./Wilkes-Barre, PA--	13	
376.	1984 -- Feb 8, Family Row-House Fire, Philadelphia (Kensington section) , PA	--	10
377.	1984 -- March 28-39, Nor'easter, high wind, snow , east, central, west PA	--	~11
378.	1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228--	15	
379.	1985 -- Jan 18-21, Winter weather, exposure/hypothermia	--	9-10
380.	1985 -- May 13, Philadelphia Police Bomb MOVE Group, Row House Fire , PA	--	11
381.	1985 -- May 31, Tornadoes , multiple counties, especially Erie County, PA	--	65-67
382.	1985 -- July 23, Fire, Elderly Boarding Home , Sweet Valley, PA	--	10
383.	1987 -- Summer Heat , State substate of approximately 388 U.S. heat deaths	--	53
384.	1988 -- Summer Heat , especially Philadelphia, PA	--	19
385.	1989 -- Dec 8-26, Cold Wave , especially Philadelphia	--	10
386.	1991 -- ~July 15-27, Heat Wave , Philadelphia, PA	--	31
387.	1993 -- Mar 13-14 Eastern Seaboard "Superstorm/Blizzard of 1993," PA subset	--	52
388.	1993 -- July 6-16, Heat Wave , especially Philadelphia (118), PA	--	120
389.	1994 -- Jan 4-5, "Blizzard of '94," esp. heart attacks clearing snow, esp. northwest PA--	10	
390.	1994 -- June 13-17 and July 5-10 (especially), Heat , especially Philadelphia, PA	--	22
391.	1994 -- Sep 08, US Air Flight 427 crashes , Aliquippa, near Pittsburgh Airport, PA	--	133
392.	1995 -- July 12-Aug 22 esp., Heat , especially greater Philadelphia area, PA	--	146
393.	1996 -- Jan 7-8, Snow storm (Blizzard of '96) , PA	--	80
394.	1996 -- Jan 19-20, Snow-melt, Rain and Flooding , multiple counties, PA	--	19
395.	1997 -- May 13, Fire, Board and Care Facility, Harvey's Lake , PA	--	10
396.	1997 -- June-Aug, Heat , esp. Philadelphia, PA (subset of 142 fatalities nationwide)	--	36
397.	1998 -- March 22, Fire, Mt. Cabin, Spring Break Youth , Madisonburg Mt. ~Madisonburg, PA--	11	
398.	1998 -- Summer Heat , esp. July, PA (subset of 323 fatalities nationwide)	--	17
399.	1999 -- Summer Heat , esp. Philadelphia, PA (67), subset of 1,050 US heat deaths	--	90
400.	1999 -- Sep 16, Hurricane Floyd remnants, esp. Chester, Montgomery counties ⁶⁰⁶	--	~13
401.	2000 -- May 21, Charter Plane Crash (Low Fuel), Executive Air , ~Wilkes Barre, PA--	19	
402.	2000 -- Spring-Summer Heat , PA (subset of 301 fatalities nationwide)	--	17
403.	2001 -- Summer, Heat , esp. Philadelphia, PA (subset of 344 fatalities nationwide)	--	28
404.	2001 -- Sep 11, Terrorism, United Airlines N591UA Crash Shanksville , PA	--	45

⁶⁰⁵ Cross-listed in Fire-Structural and in Violence-Mass Murder.

⁶⁰⁶ According to NCDC, NWS *Storm Events Database*, 6 direct and "about" 7 indirectly-related deaths.

Pennsylvania (continued)

405.	2002 -- Summer (especially July), Heat , especially Philadelphia area	--	42
406.	2005 -- June-Aug, Heat , Philadelphia (23) and Montgomery County (3)	--	25
407.	2006 -- Summer, especially Aug 1-3, Heat , especially Philadelphia and vicinity	--	32
408.	2008 -- Apr 03, Residential Fire , Brockway, PA	--	10
409.	2008 -- Summer, esp. June, Heat , especially greater Philadelphia (145 US deaths)	--	27
410.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)--	≥14-78	
411.	2010 -- June-July, Heat , especially greater Philadelphia	--	24
412.	2011 -- May 30-Aug 17, Heat , especially Philadelphia area (33), PA	--39-40	
413.	2011 -- Sep 7-11 Tropical Storm Lee remnant, multiple counties (deaths in ≥5)	--	12
414.	2012 -- June 20-July 26, Heat , esp. elderly, especially greater Philadelphia, PA	--	17
415.	2012 -- Oct 29-30, Hurricane Sandy (subset of 154-155 U.S. deaths), 9 counties	--	16
416.	2016 -- Jan 23, Winter Storm Jonas , heart attacks, CO poisoning, vehicular, hypothermia-10		

Pennsylvania Select Other Loss of Life Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--1,326
1860 --	Measles , especially children (PA subset of 3,900 measles deaths nationwide)	-- 217
1860 --	Smallpox (PA subset of 1,263-1,271 smallpox deaths in reporting States)	-- 87
1860 --	Tuberculosis ("consumption") (PA subset of 49,082 death nationwide) ⁶⁰⁷	--5,011
1860 --	Typhoid Fever (PA subset of 19,236 deaths in 38 "registration" States and DC)	--1,344
1860 --	Whooping Cough (PA subset of 8,408 whooping cough deaths nationwide)	-- 477
1870 --	Croup (PA subset of 10,692 deaths in census "registration" States)	--1,688
1870 --	Diphtheria , especially children (PA subset of 6,303 deaths nationwide)	-- 702
1870 --	Measles , especially children (PA subset of 9,237 measles deaths nationwide)	-- 554
1870 --	Tuberculosis (Consumption) (PA subset of ~70,000 TB deaths nationwide)	--7,481
1870 --	Typhoid Fever (PA subset of 22,187 typhoid fever deaths nationwide)	--1,898
1870 --	Typhus (PA subset of 1,770 typhus deaths nationwide)	-- 262
1870 --	Whooping Cough (PA subset of 9,008 whooping cough deaths nationwide)	-- 501
1870 --	Yellow Fever Outbreak, Philadelphia quarantine station, PA	-- 21
1870 --	Aug 10, Mine Haulage Cage Falls , Heins & Glassmire Colliery, Middleport, PA	-- 9
1872 --	Cerebral Spinal Meningitis , Philadelphia, PA	-- 133
1873 --	Cerebral Spinal Meningitis , Philadelphia, PA	-- 246
1875 --	Smallpox , Philadelphia, PA	-- 54
1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--1,005
1879 --	June-May 1880, " Malarial Fever ," (PA subset of 20,231 such deaths nationwide)--	445
1879 --	June-May 1880, Measles , esp. children (PA subset, 8,254 U.S. measles deaths)	-- 220
1879 --	June-May 1880, Meningitis (PA subset of 7,481 meningitis deaths nationwide)	-- 305
1879 --	June-May 1880, Tuberculosis (PA subset of 91,270 TB deaths nationwide)	--4,844
1879 --	June-May 1880, Typhoid Fever (PA subset of 23,339 U.S. Typhoid deaths)	-- 854
1879 --	June-May 1880, Whooping Cough (PA subset, 11,064 US whoop cough deaths)	-- 247
1884 --	Aug 21, Coal Mine, Gas Asphyxiation , Buck Ridge Colliery, Shamokin, PA	-- 7
1886 --	Nov 18, Landslide Wrecks Train near Pittsburgh, PA	-- 2
1887 --	June 04, Rock Fall , Quarry, Birmingham, PA (near Altoona)	-- 5-6

⁶⁰⁷ Was the leading reported cause of death in the State and in the U.S. in 1860.

Pennsylvania Select Other Loss of Life Events (continued)

1890 -- Diphtheria and Croup (41,677 deaths, US), Allegheny, Pittsburgh, Philadelphia --	896
1890 -- Typhoid Fever , Allegheny, Pittsburgh, Philly (subset of ~30,000 deaths US) --	1,265
1890 -- Feb 01, Coal Mine Gas Explosion , Nottingham Shaft, Plymouth, PA --	8
1890 -- Aug 21, Thunder/Wind Storm , Streetcar Building Wall Collapse, Philly, PA --	6
1890 -- Aug 22, Runaway Gravity Car, Mt. Penn Railroad, Mt. Penn, near Reading, PA --	5-6
1891 -- Typhoid Fever , Philadelphia, PA --	516
1891 -- Apr 06, Fire , 3 tenement/store houses, NY St., Rochester, Beaver County, PA --	9
1891 -- June 26, Thunder/wind storm , Patterson Coal bldg. collapse , Mt. Carmel, PA --	6-7
1893 -- Feb-Dec, Smallpox Outbreak, Reading, Berks County, PA --	18
1898 -- Typhoid Fever , esp. Pittsburgh, Philadelphia, PA Vol. troops, U.S. camps --	1,127
1898 -- Nov 5, Coal cars crash into Exeter shaft, onto haulage cage, West Pittston, PA --	9
1900 -- Tuberculosis (90,199 PA deaths all causes) (109,750 US TB deaths) --	7,791
1900 -- Typhoid Fever (State subset of 35,379 typhoid fever deaths nationwide) --	2,779
1903 -- Jan 07, Trains Collide , Cochrane station, PA --	8
1903 -- Mar 31, Blast Furnace Explosion , Edgar Thomson Plant, Braddock, PA --	9
1907 -- Influenza (PA subset of over 10,066 deaths in “registration” areas) --	1,697
1907 -- Whooping Cough (PA subset of 4,856 “registration” area deaths) --	1,287
1910 -- Polio Outbreak, Especially children, PA --	269
1910 -- Typhoid Fever (PA subset of ~25,000 Typhoid Fever deaths nationwide) --	1,892
1910 -- Jan 11, Coal Mine Gas Explosion , Nottingham Shaft, Plymouth, PA --	7
1911 -- Typhoid Fever , PA --	1,716
1912 -- Jan-Jun 8, Pneumonia outbreak, especially Philadelphia, PA --	1,978
1912 -- Typhoid Fever , Pennsylvania --	1,310
1912 -- Oct 07, Racing Cars Collide , Thirty-third Street Bridge, Philadelphia, PA --	9
1913 -- Measles Epidemic, especially children, Pittsburg, PA --	55
1914 -- Polio , especially Summer and Fall, especially children, PA --	65
1914 -- Aug 21, F3 Tornado , Luzerne County, PA --	7
1915 -- Sep-Nov, Polio , especially children, PA ⁶⁰⁸ (311 polio deaths nationwide) --	86
1915 -- Dec-Jan 1916, Influenza and Pneumonia , esp. Philadelphia and Pittsburgh --	969
1915 -- May 24, Mine Gas Explosion , Mine No. 1, Smokeless Coal Co., ~Johnstown, PA--	9
1915 -- July 30, Mine-Car accident , Patterson No. 2 Coal Mine, Elizabeth, PA --	9
1916 -- Feb 08, Gas Explos. , Lance Mine , Lehigh/Wilkes-Barre Coal Co., Plymouth, PA--	7
1916 -- Mar 9, Explos./Fire , Hollenback No. 2 Mine , Lehigh & Wilkes-Barre Coal Co., W-B- 6	
1916 -- Mar 30, Explosion , Robindale Mine , Conemaugh Smokeless Coal, Seward, PA --	8
1917 -- Polio , esp. June-Sep, especially children (PA subset, ≥1,182 U.S. polio deaths) ⁶⁰⁹ --	137
1918 -- Jun 15-Sep 17, Polio , esp. Franklin County, PA --	17
1921 -- Polio (Acute) esp. late Summer-Fall (subset, 1,597 U.S. polio deaths) --	83
1921 -- Dec 24-29, Wood Alcohol Poisoning , Pittsburg, PA --	4
1927 -- Polio (Acute) esp. late Summer and Fall (PA subset of 2,013 U.S. polio deaths) --	100
1931 -- “Epidemic Cerebrospinal Meningitis” ⁶¹⁰ (PA subset, 2,832 US meningitis deaths)--	232
1931 -- Diphtheria , especially children (PA subset, 5,738 U.S. diphtheria deaths) --	365

⁶⁰⁸ Pennsylvania led the nation in polio deaths in 1915.

⁶⁰⁹ Second in polio deaths behind Illinois where Chicago alone had 177 polio deaths.

⁶¹⁰ “Epidemic Cerebrospinal Meningitis,” is name used for this malady in U.S. Census, *Mortality Statistics 1931*.

Pennsylvania Select Other Loss of Life Events (continued)

1931 -- Measles , especially children (State subset, 3,576 measles deaths nationwide) ⁶¹¹	--	442
1931 -- Polio , esp. July-Oct, (State subset of 2,139-2,144 U.S. polio deaths, esp. children)--		96
1934 -- Nov 16, Auto's Collide and Burn , Hensheytown, ~Bellwood and Altoona, PA	--	7
1936 -- Nov 30, Funkhouser slate quarry explosives detonation, Delta, PA	--	9
1937 -- May 16, Auto Race, Spectators Killed , Langhorne Speedway, Langhorne, PA	--	3
1938 -- Oct 19, Forest Fire (arson) , Pepper Hill, ~Sinnemahoning, Cameron Co., PA	--	8
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (PA subset of 1,997 U.S. diphtheria deaths)	--	73
1939 -- Whooping Cough (PA subset of 3,026 whooping cough deaths nationwide)	--	157
1940 -- Polio (PA subset of 1,026 polio deaths nationwide)	--	32
1940 -- Whooping Cough (PA subset of 2,926 whooping cough deaths nationwide)	--	129
1941 -- Sulfathiazole Winthrop Poisoning (tablets contaminated with phenobarbital) --		≥5
1943 -- July 04, Autos Collide , near Marienville, Northwest PA	--	8
1944 -- Cerebrospinal Meningitis , PA (2,812 cerebrospinal meningitis deaths nationwide)--		218
1944 -- Influenza (PA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	1,393
1944 -- Measles , especially Jan-June (PA subset of 1,923 measles deaths nationwide)	--	95
1944 -- Whooping Cough (PA subset of 1,878 whooping cough deaths nationwide)	--	95
1946 -- Polio , especially July-Nov, PA (1,845 polio deaths nationwide)	--	29
1949 -- Polio , especially July-Nov, PA (~2,725 polio deaths nationwide)	--	77
1950 -- Measles , especially children (PA subset of 468 measles deaths nationwide)	--	11
1951 -- Polio , especially Pittsburgh, PA	--	43
1952 -- Polio , PA	--	18
1953 -- Polio (PA subset of 1,450 polio deaths nationwide)	--	53
1957 -- Jan 14-17, Winter Snowstorms , Cold, PA	--	7
1959 -- June 08, Auto and Trucks Collide, Family Killed , near Duncansville, Western PA--		6
1968 -- Jan 10, Natural Gas Explosion Demolishes two adjoining Homes, Reading, PA	--	9
1969 -- June 4, Automobiles Collide , near Slippery Rock, western PA	--	6
1969 -- Dec 14, Eastern Star Charter Bus slides off snowy road , Gap, ~Lancaster, PA	--	7
1970 -- Jul 15, Hillel Day School, L.I., NY, Charter Bus Wreck , ~New Smithville, PA	--	7
1975 -- ~Sep 27, Hurricane Eloise Remnants , especially Susquehanna River, PA	--	9
1978 -- Sep 04, Hughes 269C Helicopter Crashes into Churchyard Festival, Derry, PA--		7
1981 -- March 6, Mid-Valley High School Auto Crash , Underwood Road, Throop, PA	--	8
1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat)	--	9
1983 -- Feb 11-12. Winter Storm/Blizzard , vehicular, snow removal heart attacks	--	≥9
1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196	--	7
1983 -- Summer Heat , esp. July-Aug, Philadelphia/4, Montgomery and Pike Counties	--	6
1985 -- Jan 8-13, Winter Cold Wave and Snow Storms , 5 traffic accidents, 1 shoveling	--	6
1992 -- Dec 5, Fire (apparently smoking in bed), Row House (8 children) , Chester, PA	--	8
1991 -- Apr 4, Plane/Helicopter Collision (Sen. Heinz Crash) , Merion, PA (~Philly)	--	7
1992 -- Dec 10-13, Nor'easter , especially Allegheny County, PA	--	≥9
1994 -- Jan 14-21, Extreme winter cold and snow , PA	--	9
1994 -- Aug 13, Lightning , Plymouth Township, Luzerne County, PA	--	2
1996 -- Late Spring to June 20 (especially), Heat , Philadelphia	--	7
2001 -- June 16, Tropical Storm Allison remnant , especially Upper Moreland Township--		7

⁶¹¹ Pennsylvania led the nation in 1931 in measles deaths. It had next highest mortality, at 357.

2006 -- Oct 2, West Nickel Mines School (Amish) Shooting, Lancaster County, PA ⁶¹²	--	5-6
2011 -- Aug 28, Hurricane Irene	--	7
2011 -- Oct 30, Fall Snow Storm/Nor'easter	--	8

Breakout of **Pennsylvania** Large Loss of Life Events (10 or more fatalities) by Type:

- 83 **Disease**, select communicable, especially epidemics. (Plus 62 in "Other.")
- 80 **Mines/Quarries/Tunnels/Mine Subsidence** (plus 12 with 5-9 deaths.)
- 42 **Heat**. Plus 4 years <10 deaths: 9 in 1981, 7 in 1982, 6 in 1983, 7 in Philadelphia in 1996.
- 38 **Fire, structural**. Plus two – one with 9 deaths in 1891 and one with 8 in 1992 in "Other."
- 38 **Rail** (plus two in "Other.")
- 30 **Explosions** (includes cross-listings from Fire-Structural)
- 27 **Flood** (Includes flooding as the cause of a train derailment.)
- 21 **Violence** (Plus 5-6 deaths in attack on Amish school in 2006.)
- 21 **Winter Storms/Weather** (Plus: 1957 (7 deaths), 1983/9 1985/6, 1992/9, 1994/9, 2011/8.
- 19 **Aviation** (Plus 2 with 7 fatalities each in "Other.")
- 16 **Structural Failure** (Plus one with 6 deaths in "Other.")
- 15 **Maritime and Inland Waterways**.
- 8 **Hurricane/Tropical Storm** (Plus 3 – one with 9; two with 7 fatalities each in "Other.")
- 4 **Vehicular/Road/Highway** (Plus eight with 6-9 deaths in "Other.")
- 3 **Tornado** (Plus one with 7 deaths in "Other.")
- 2 **Landslide** (One was at a Quarry and is thus cross-listed in Mines, Quarries, Tunnels)
- 1 **Environmental/Smog/Pathogens**
- 1 **Wind Storm (winter)**.
- 1 **Wood Alcohol Poisoning** (Plus one with 4 deaths in "Other.")
- 1 **Subsidence** (over coal mine (thus cross-listed in Mining)
- 0 **Poisoning** (unintentional). (≥five deaths in 1941, phenobarbital tainted sulfathiazole.)
- 0 **Summer Thunderstorm**. (But one with 6-7 deaths in "Other.")

⁶¹² Ten girls aged 6-13 shot, five of whom died, before killer committed suicide in the schoolhouse.

RI

Rhode Island

1.	1616 --	Yellow Fever , Wampanoag btw. Provincetown, MA and Narragansett Bay, RI ⁶¹³ --	45,000
2.	1675 --	Dec 16, Massacre , Natives attack J. Bull Garrison, Pettaquamscutt (Kingston), RI--	15
3.	1675 --	Dec 19, English Colonists Massacre Narragansetts , Great Swamp, RI --	365-1,100
4.	1676 --	Jul 02, Massacre , Eng. Colonists attack Narragansett camp ~Providence, RI--	100-126
5.	1676 --	July 3 or 4, Massacre , Eng. Colonists attack Narragansetts, Warwick Neck, RI--	40-67
6.	1778 --	Dec 26-27, Blizzard/Extreme Cold and Gale , Newport and vicinity, RI --	≥50
7.	1795 --	Yellow Fever , Providence, RI	-- 45
8.	1797 --	Yellow Fever Outbreak, Providence, RI	-- 45
9.	1800 --	Yellow Fever Outbreak, Providence, RI	-- 134
10.	1832 --	July 24-Oct 13, Cholera , Newport and Providence, RI	--26-38
11.	1840 --	Apr 13, Downpour, Flooding, Dams Fail , esp. Pocasset Riv. Simmonsville, RI--	18
12.	1853 --	Aug 12, Head-on Train Collision , Valley Falls Station, Pawtucket, RI	-- 13
13.	1849 --	Summer-Fall, Cholera outbreaks, especially Providence (161), RI	-- ≥177
14.	1866 --	Sep 13-15, Cholera outbreaks Bristol and Providence, RI	-- 10
15.	1872 --	Aug 30, Propeller Metis hits Sch. Nettis Cushing , sinks off Watch Hill, RI	--20-70
16.	1873 --	Apr 19, Train Derailment, Washed-out Bridge , Richmond Switch, RI	-- 11
17.	1895 --	Jan 26, Storm, Barges Towed by Sea King founder off Pt. Judith, RI	-- 12
18.	1901 --	June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 34
19.	1906 --	June 03, Trolley Upset , Providence, RI	-- 11
20.	1907 --	Feb 11, Larchmont Steamship hit/sinks in Blizzard off Block Harbor, RI	--123-332
21.	1909 --	Dec 13, Providence RI Sch. Governor Ames wrecks , stm. off Cape Hatteras	--11-13
22.	1911 --	July 10-12, Heat Wave , Statewide, RI	-- 28
23.	1918 --	Sep-Dec, Influenza and Pneumonia Epidemic , esp. greater Providence, RI	--3,205
24.	1919 --	Nov 19-Dec, Providence, RI Schooner T.W. Allan Founders, Bay of Fundy Can.--	26
25.	1920 --	Diphtheria & Croup (RI subset, 13,395 such deaths, 34 registration states) ⁶¹⁴ --	129
26.	1924 --	Jan 28, Gas asphyxiation and gas/dynamite explos. , Cumberland Hill, Manville, RI ⁶¹⁵ --	15
27.	1924 --	Nov 15, Rum Runner tug William Maloney founders in storm, Newport, RI--	11-12
28.	1925 --	Aug 18, Steamer Mackinac boiler explosion , Narragansett Bay, RI	--47-55
29.	1925 --	Sep 25, Sub USS S-51 hit by Steamer City of Rome , sinks ~ Block Island, RI--	33
30.	1934 --	Nov 9, Schooner John R. Manta lost after sailing from Providence, RI	-- 31
31.	1938 --	Sep 21, New England Hurricane "Long Island Express," subset for RI	-- 433
32.	1942 --	Dec 2, Navy boat capsizes (shore-leave sailors); Narragansett Bay ~Jamestown, RI--	15
33.	1945 --	May 5, Civilian US Steamer Black Point Torpedoed , off Point Judith, RI	-- 12
34.	1954 --	May 26, Carrier USS Bennington, explosions and fire , off Quonset Point, RI--	103
35.	1958 --	Aug 07, Collision/Fog, Tanker Gulfoil & S.E. Graham , off Bull Point East, RI--	18
36.	1973 --	May 19, Fishing Boat Comet founders off Point Judith, RI	-- 16
37.	1977 --	Dec 13, Fire, Providence College Women's Dormitory , Providence, RI	-- 10
38.	1978 --	Feb 5-7, Nor'easter & Blizzard , Northeast (RI subset of 90-119 fatalities)	--21-26
39.	2003 --	Feb 20, Fire and Trampling, The Station Nightclub , West Warwick, RI	-- 100

⁶¹³ Cross-listed in Massachusetts.

⁶¹⁴ RI had the 2nd highest state death rate in the county, at 21.2 per 100,000 population. State average was 15.3.

⁶¹⁵ 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.

40. 2009 -- Especially Fall/Winter, **H1N1 Swine Flu** (subset of >12,000 U.S. deaths) -- 13

Other Rhode Island Selected Loss of Life Events:

1805 -- Yellow Fever Outbreak, Providence, RI	--	10
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	68
1860 -- Scarlet Fever (RI subset of 26,402 deaths in 38 Census States & DC)	--	90
1860 -- Tuberculosis ("consumption") (RI subset of 49,082 death nationwide) ⁶¹⁶	--	567
1860 -- Typhoid Fever (RI subset of 19,236 deaths in 38 "registration" States and DC)	--	66
1860 -- Whooping Cough (RI subset of 8,408 whooping cough deaths nationwide)	--	60
1870 -- Scarlet Fever , especially children (RI subset of 20,339 deaths nationwide)	--	186
1870 -- Tuberculosis (Consumption) (RI subset of ~70,000 TB deaths nationwide)	--	532
1870 -- Whooping Cough (RI subset of 9,008 whooping cough deaths nationwide)	--	70
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	40
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	134
1879 -- June-May 1880, Meningitis (RI subset of 7,481 meningitis deaths nationwide)	--	19
1879 -- June-May 1880, Scarlet Fever , esp. children (RI subset, 16,388 U.S. S.F. deaths)	--	160
1879 -- June-May 1880, Tuberculosis (RI subset of 91,270 TB deaths nationwide)	--	381
1879 -- June-May 1880, Typhoid Fever (RI subset of 23,339 U.S. Typhoid deaths)	--	44
1890 -- Diphtheria and Croup (RI subset of 41,677 deaths nationwide)	--	206
1890 -- Typhoid Fever , esp. Providence (RI subset of ~30,000 deaths nationwide)	--	150
1890 -- Jan-Mar, Influenza (La Grippe/Russian Flu), esp. Providence, Newport, RI	--	431
1893 -- Jan 18, Sleighting Party Hit by Train at grade crossing, Lonsdale, RI	--	9
1898 -- Typhoid Fever (RI subset of >3,300 U.S. deaths), essentially First RI Vol. Inf.	--	12
1900 -- Tuberculosis (8,176 RI deaths all causes) (109,750 US TB deaths)	--	837
1900 -- Typhoid Fever (RI subset of 35,379 typhoid fever deaths nationwide)	--	102
1903 -- Summer (esp. first half of July), Heat , RI (subset of 520 US registered heat deaths)	--	7
1904 -- June -Aug, Heat , subset of 235 US heat deaths	--	6
1907 -- Scarlet Fever , especially children, esp. Providence (104) (4,309 nationwide)	--	142
1910 -- Polio , especially children, RI	--	44
1915 -- Dec-Jan 1916, Influenza and Pneumonia subset of larger epidemic, Providence	--	69
1916 -- Diphtheria , especially children, RI	--	125
1916 -- Polio , Summer and Fall, especially children, especially Providence	--	23
1918 -- Typhoid Fever (RI subset of 9,100 U.S. Typhoid Fever deaths)	--	35
1920 -- Influenza and Pneumonia , especially greater Providence, RI	--	1,169
1920 -- Measles (RI subset of 7,712 measles deaths in 34 registration states)	--	69
1920 -- Scarlet Fever (RI subset of 4,004 scarlet fever deaths in 34 registration states)	--	27
1920 -- Typhoid Fever (RI subset of 6,805 typhoid fever deaths, 34 registration states)	--	17
1920 -- Whooping Cough (RI subset, 10,968 whooping cough deaths in 34 reg. states)	--	92
1927 -- Polio (acute) esp. late Summer and Fall (RI subset, 2,013 U.S. polio deaths)	--	11
1931 -- Diphtheria , especially children (RI subset, 5,738 U.S. diphtheria deaths)	--	33
1931 -- Influenza (RI subset of 31,701 influenza deaths nationwide)	--	95
1931 -- Measles , especially children (RI subset, 3,576 measles deaths nationwide)	--	10
1931 -- Polio , esp. July-Oct, (RI subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	10
1939 -- Tuberculosis (RI subset of 61,609 tuberculosis deaths nationwide)	--	245

⁶¹⁶ Was the leading reported cause of death in the State and in the U.S. in 1860.

1939 -- Whooping Cough (RI subset of 3,026 whooping cough deaths nationwide)	--	14
1940 -- Influenza and Pneumonia (RI subset of 92,525 U.S. flu and pneumonia deaths)	--	422
1942 -- April 3, Plane Crash, USAAF North American B-25A, West Greenwich, RI	--	5
1944 -- Cerebrospinal Meningitis, RI (2,812 cerebrospinal meningitis deaths nationwide)	--	18
1953 -- Polio (RI subset of 1,450 polio deaths nationwide)	--	16
1982 -- Jan 10-16, Winter Weather, especially extreme cold	--	≥5
1982 -- June 5-6, Heavy Rain and Flooding, RI	--	3-5
1993 -- Feb 27, Arson Fire & Mass Murder, Apartment Building, Providence, RI	--	6

Breakout of **Rhode Island** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 14 -- **Maritime and Inland Waterways.**
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 42 in "Other.")
- 6 -- **Violence.** (Includes cross-listing of The Station Night Club fire and trampling event.)
- 3 -- **Rail**
- 2 -- **Fire, structural.** (Plus one with 6 fatalities)
- 2 -- **Heat.** (Plus 8 heat deaths in 1900 and 7 in 1903.)
- 2 -- **Winter Weather/Extreme Cold.** (Plus >5 deaths in mid-Jan 1982 cold wave.)
- 1 -- **Asphyxiation from leaking gas.** (Cross-listed with 1924 explosion).
- 1 -- **Explosion**
- 1 -- **Flooding.** (Plus 3-5 deaths in June 5-6, 1982 flooding.)
- 1 -- **Hurricane**
- 1 -- **Structural Failure**
- 0 -- **Aviation.** (But one with 5 fatalities.)

SC

South Carolina

1.	1538-1539, Unknown epidemic , “Cofitachequi” ⁶¹⁷ Natives, central SC	--Hundreds
2.	1697-1698 -- Smallpox , Charleston, SC	200-300
3.	1699 -- Yellow Fever , Charleston (160-180), Charleston countryside (10-11)	--160-191
4.	1700 -- Sep 14, Hurricane, <i>Rising Sun</i> wrecked, Ashley River bar, Charleston, SC ⁶¹⁸	-- ~100
5.	1706 -- Aug-Oct especially, Yellow Fever Epidemic, Charleston, SC	-- ~65
6.	1713 -- Sep 16-17, Hurricane , Charleston and vicinity, South Carolina	-- 70
7.	1728 -- Aug 13-14, Hurricane , coast and coastal waters south of Charleston, SC	-- ≥10
8.	1728 -- Late Summer to Fall, Yellow Fever , Charleston, SC	-- <130
9.	1732 -- May-Oct, Yellow Fever Epidemic, Charleston, SC	-- ~150
10.	1738 -- Smallpox Epidemic, Catawba/Cherokee Indian Nations, Charleston, SC ⁶¹⁹	--~4,011
11.	1752 -- Sep 15, Hurricane , maritime and Charleston, SC ⁶²⁰	-- >103
12.	1759-1760 -- Smallpox Epidemic, Catawba Nation, SC	-- ~300
13.	1760 -- Yellow Fever Epidemic, Charleston, SC	--< 730
14.	1760 -- Feb, Massacre, Cherokee hostages by colonial soldiers, Fort Prince George, SC--22	
15.	1792 -- Yellow Fever Epidemic, Charleston, SC	-- <96
16.	1799 -- Yellow Fever Epidemic, Charleston, SC	-- 239
17.	1800 -- Yellow Fever Epidemic, Charleston, SC	-- 184
18.	1802 -- Yellow Fever Epidemic, Charleston, SC	-- 96
19.	1803 -- Yellow Fever Epidemic, Charleston, SC	200-300
20.	1804 -- Yellow Fever Epidemic, Charleston, SC	-- 148
21.	1804 -- Sep 7-9, Hurricane , especially Charleston and vicinity, land and maritime ⁶²¹	-- ≥13
22.	1807 -- Yellow Fever Epidemic, Charleston, SC	-- 162
23.	1811 -- Sep 10, Tornado , Charleston County, SC	-- 11
24.	1813 -- Sep 17, Hurricane, Navy Gun Vessel No. 164 Sinks , Charleston, SC	-- 20
25.	1814 -- Jun 30, Tornado Sinks Schooner USS <i>Alligator</i> , Port Royal Sound, SC	-- 23
26.	1817 -- Yellow Fever Epidemic, Charleston, SC	-- 272
27.	1818 -- Yellow Fever Epidemic, Charleston, SC	-- 115
28.	1819 -- Yellow Fever Epidemic, Charleston, SC	-- 177
29.	1822 -- Sep 27-28, South Carolina Hurricane , SC	-- 300
30.	1822 -- June, Slave Insurrection Conspiracy charge/executions , Charleston, SC	-- 35
31.	1824 -- Yellow Fever Epidemic, Charleston, SC	-- 235
32.	1828 -- Yellow Fever Outbreak, Charleston, SC	-- 26
33.	1830 -- Yellow Fever Outbreak, Charleston, SC	-- 39
34.	1832 -- Nov, Cholera , locals, subsequent to Grounding of Brig <i>Amelia</i> on Folly Isl., SC--~22	
35.	1834 -- Yellow Fever Outbreak, Charleston, SC	-- 49

⁶¹⁷ 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.)

⁶¹⁸ Cross-listed in Hurricanes.

⁶¹⁹ From descriptions of this outbreak it appears that most of the Native American fatalities were in South Carolina. Both the Catawbans and the Cherokees, however, resided in and moved back and forth between the two colonies.

⁶²⁰ We note less than 103 deaths in that the National Weather Service (Rappaport and Partagas) have noted 103 deaths in the Carolinas, and other accounts particularly note damage to Charleston, SC.

⁶²¹ Multiple sources we have consulted note approximately 500 or over 500 total deaths in GA and SC on land and sea. Thus, the figure of thirteen specific deaths we have found reference to in Charleston and vicinity is most probably an under-count.

South Carolina (continued)

36.	1834 -- Sep 4, Hurricane , SC	--	37
37.	1835 -- Yellow Fever Outbreak, Charleston, SC	--	25
38.	1837 -- Oct 9, Hurricane "Racer's Storm," Steamship <i>Home</i> Sinks, off NC Coast ⁶²²	--	>20
39.	1838 -- Yellow Fever Epidemic, Charleston, SC	--	351
40.	1839 -- June-Oct, Yellow Fever Epidemic, Charleston, SC	--	134
41.	1840 -- Yellow Fever Outbreak, Charleston, SC	--	22
42.	1843 -- March ~15, USS <i>Grampus</i> lost, presumably gale off Charleston, SC	--	25
43.	1849 -- Jan 14, Steamer <i>Richland</i> boiler explosion, Pee Dee Riv. Britton's Ferry, SC	--	15
44.	1849 -- Aug-Nov, Yellow Fever Epidemic, Charleston, SC	--	125
45.	1852 -- Aug-Nov, Yellow Fever Epidemic, Charleston, SC	--	310
46.	1853 -- Dec 22, Steamer <i>Marlboro/Marlborough</i> boiler explosion, Charleston, SC	--14-15	
47.	1853 -- Dec 25, Steamship <i>San Francisco</i> Disaster in Storm, off Coast of SC	--	300
48.	1854 -- Yellow Fever Outbreak, Charleston, SC	--	627
49.	1857 -- Yellow Fever Outbreak, Charleston, SC	--	13
50.	1858 -- Yellow Fever Outbreak, Charleston, SC	--	717
51.	1864 -- Yellow Fever Outbreak, Charleston, SC	--	700
52.	1865 -- May 29, Stm. <i>Governor Troup</i> burns Savannah Ri., below Augusta, SC shore	--	40
53.	1867 -- Dec 24, Steamer <i>Raleigh</i> burns to water, off Charleston, SC	--14-24	
54.	1871 -- Yellow Fever Outbreak, Charleston, SC	--	220
55.	1874 -- Sep 28, Steamer <i>Amanda Winants</i> lost off Georgetown, SC	--	16
56.	1875 -- Mar 20, Tornadoes , ten counties	--16-18	
57.	1876 -- Sep 15-21, Racial Violence , esp. ~Ellenton, Aiken & Barnwell Co's. SC	--25-100	
58.	1884 -- Feb 19, Tornadoes , multiple counties, SC	--17-103	
59.	1884 -- Mar 25, Tornadoes , Chester, Greenville and Anderson Counties, SC	--	11
60.	1885 -- Aug 24-26, Hurricane , Coastal SC, especially Beaufort and vicinity	--	17
61.	1886 -- Aug 31, Magnitude 7.3 Earthquake , Charleston, SC	--60~100	
62.	1898 -- Feb 16-17, Wildfires , SC	--	14
63.	1899 -- Oct 30, Steamer <i>George L. Colwell</i> founders in gale off Coast of SC	--	12
64.	1903 -- June 6, Flash & River Flooding , Pacolet River, especially ~Pacolet, SC	--	65
65.	1907 -- Feb 22, Steamer <i>Marion</i> burns, Wadmalaw Sound, Hart's Landing, SC	--12-24	
66.	1908 -- Aug 25, Bridge fails with Pedestrians watching flood water , Camden, SC ⁶²³	--	19
67.	1911 -- Aug 26, Schooner <i>Margaret A. May</i> founders, Kiawah Island, SC	--	10
68.	1918, Sep-Dec, 1920 -- Influenza and Pneumonia Epidemic, SC	--10,398	
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, SC	--6,711	
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, SC	--3,012	
	1920 -- Influenza and Pneumonia, SC	--	675
69.	1918 -- Feb 25, Trains Collide , near Frost Station, SC	--	13
70.	1918 -- May 29, Fire, "Insane" Asylum , Columbia, SC	???????	-- 16
71.	1919 -- May 19, Fire, Mental Asylum , Columbia, SC	???????	-- 16
72.	1920 -- Malaria (SC subset of 3,136 malaria deaths in 34 registration states) ⁶²⁴	--	487

⁶²² Cross-listed in SC in that many of the approximately 90 who were lost with the *Home* were from SC. Ellms lists SC as the home of 20 of the fatalities, 14 from Charleston alone. (Ellms, *The Tragedy of the Seas*, 1841, 59, 84.)

⁶²³ Cross-listed in Flooding. This event is a subset of larger fatalities in SC & GA flooding.

⁶²⁴ In terms of large loss of life to malaria by State in 1920, SC was 3rd behind MS with 683 and LA with 587.

South Carolina (continued)

73.	1920 -- Typhoid Fever (SC subset, 6,805 typhoid fever deaths, 34 registration states) ⁶²⁵	-- 379
74.	1923 -- May 17, Fire, Cleveland School District, Kershaw County, near Camden, SC--	77
75.	1924 -- Apr 30, Tornadoes, SC	-- 67
76.	1931 -- Summer, Heat Wave and excessive heat deaths (State subset, 2,768 U.S. deaths)--	16
77.	1931 -- Aug 03, Bus goes through open drawbridge, Sampit River ~Georgetown, SC ⁶²⁶ --	23
78.	1933 -- May 05, Tornado, Anderson and Laurens Counties, SC	-- 19
79.	1938 -- Sep 29, Tornado, Charleston County, SC	-- 32
80.	1943 -- Feb 05, Planes collide mid-air, two USAAF B-25 Bombers, Newberry, SC	-- 14
81.	1944 -- Feb 12, Planes collide, USAAF B-25's, near Army Air Base Greenville, SC	-- 19
82.	1944 -- Apr 16, Tornadoes, Anderson, Abbeville, Newberry Counties, SC	-- 18
83.	1944 -- June 30, USAAF B-24J Plane Lost, Atlantic Ocean, off Myrtle Beach SC	-- 10
84.	1944 -- Dec 05, Planes Collide, USAAF P-47D and USAAF B-24J ~Walterboro AAF SC	13
85.	1945 -- Apr 11, Plane Crash, USAAF B-24J, Atlantic, off Charleston, SC	-- 11
86.	1945 -- Sep 07, Plane Crash, Eastern Air Flight 42, near Florence, SC	-- 22
87.	1950 -- July 23, Plane Crash, Florida Air Nat. Guard Curtis C-46, Myrtle Beach, SC--	39
88.	1953 -- Jan 27, Butane gas line leak explosion & fire, Jones Electric Co., Aiken, SC	-- 10
89.	1959 -- Mar 15, Fire, Farm House (10 children and farmer), Cross Hill, SC	-- 11
90.	1963 -- Dec 25, Oil Heater explodes/house burns (Johnson children), Charleston, SC--	13
91.	1964 -- Feb 22, House Fire (Moses James family, 9 children), near Society Hill, SC	-- 11
92.	1967 -- Jun 23, Asphalt tanker truck and station wagon collide, Hardeeville, SC	-- 10
93.	1972 -- Dec 05, USAF C-130 Talon Collides with SC ANG F-102, near Conway, SC--	13
94.	1979 -- Dec 27, Fire, Lancaster County Jail, Lancaster, SC	-- 11
95.	1980 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), SC--	18
96.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), SC--	13
97.	1982 -- Summer Heat (esp. late July-Aug), 15 Counties, SC (subset of 596 US deaths)--	26
98.	1984 -- March 28, Tornadoes, esp. Fairfield and Marlboro Counties, SC	-- 21
99.	1985 -- Jan 19-23, Winter weather, exposure/hypothermia	-- 7-15
100.	1986 -- Summer Heat, SC (subset of >400 U.S. heat-related fatalities)	-- ≥22
101.	1989 -- Sep 21, Hurricane Hugo, SC	--35-37
102.	1989 -- Dec 9, 22-26, Cold waves and sleet (10 hypothermia/exposure deaths)	-- 11
103.	1990 -- Summer esp., Heat, ICD-9 E900 excessive heat and hyperthermia code	-- 11
104.	1993 -- Summer especially, Heat (SC subset of 311 U.S. heat deaths)	-- 11
105.	1995 -- Summer especially, Heat (SC subset of 1,563-1,601 U.S. heat-related deaths)--	11
106.	1998 -- Summer especially, Heat (SC subset of 435 U.S. heat-related deaths)	-- 13
107.	1999 -- Summer (esp. July 23-early Aug), Heat, (SC subset of 1,050 U.S. heat deaths)--	25
108.	2007 -- Summer especially, Heat (SC subset of 438 U.S. heat-related deaths)	-- 16
109.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	-- 49
110.	2010 -- Summer especially, Heat (SC subset of 627 U.S. heat-related deaths)	-- 10
111.	2015 -- Summer Heat, (subset of 339 US heat deaths)	-- 10

⁶²⁵ In terms of large loss of life by State, SC tied with NY at 6th, after PA/503, KY/490, OH/435, TN/434, IL/380.

⁶²⁶ 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.

South Carolina Select Other Loss of Life Events:

1784 -- Hail Storm , Winnsborough, SC	--	3
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	254
1860 -- Measles (SC subset of 3,900 measles deaths nationwide)	--	49
1860 -- Scarlet Fever (SC subset of 26,402 deaths in 38 Census States & DC)	--	162
1860 -- Typhoid Fever (subset of 19,236 deaths in 38 "registration" States and DC)	--	665
1860 -- Whooping Cough (SC subset of 8,408 whooping cough deaths nationwide)	--	338
1870 -- Measles (SC subset of 9,237 measles deaths nationwide)	--	273
1870 -- Tuberculosis (Consumption) (SC subset of ~70,000 TB deaths nationwide)	--	637
1870 -- Typhoid Fever (SC subset of 22,187 typhoid fever deaths nationwide)	--	515
1870 -- Typhus (SC subset of 1,770 typhus deaths nationwide)	--	41
1876 -- July 08, Whites attack blacks (inc. Co. A, 9 th Regiment, SCNG) Hamburg, SC	--	7
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	261
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	535
1879 -- June-May 1880, " Malarial Fever ," (SC subset, 20,231 such deaths nationwide)	--	712
1879 -- June-May 1880, Measles , esp. children (SC subset, 8,254 U.S. measles deaths)	--	227
1879 -- June-May 1880, Meningitis (SC subset of 7,481 meningitis deaths nationwide)	--	85
1879 -- June-May 1880, Scarlet Fever , esp. children (SC subset, 16,388 U.S. S.F. deaths)	--	18
1879 -- June-May 1880, Tuberculosis (SC subset of 91,270 TB deaths nationwide)	--	1,294
1879 -- June-May 1880, Typhoid Fever (SC subset of 23,339 U.S. Typhoid deaths)	--	531
1879 -- June-May 1880, Whooping Cough (SC subset, 11,064 US whooping cough deaths)	--	434
1890 -- Typhoid Fever , Charleston (SC subset of ~30,000 typhoid deaths nationwide)	--	54
1898 -- Typhoid Fever (SC subset of >3,300 deaths), 1 st and 2 nd SC Vols. and Newberry ⁶²⁷	--	13
1900 -- Tuberculosis (17,166 SC deaths all causes) (109,750 US TB deaths) ⁶²⁸	--	2,133
1900 -- Typhoid Fever (SC subset of 35,379 typhoid fever deaths nationwide)	--	970
1910 -- Polio , especially children, SC	--	10
1916 -- Diphtheria , especially children, SC	--	79
1916 -- Polio , especially children, Statewide, SC (~6,700->7,000 polio deaths nationwide)	--	35
1917 -- Polio , esp. June-Sep, especially children (SC subset, ≥1,182 U.S. polio deaths)	--	16
1918 -- Typhoid Fever (SC subset of 9,100 U.S. Typhoid Fever deaths)	--	482
1920 -- Diphtheria and Croup (SC subset of 13,395 such deaths in 34 registration states)	--	201
1920 -- Measles (SC subset of 7,712 measles deaths in 34 registration states)	--	56
1920 -- Scarlet Fever (SC subset of 4,004 scarlet fever deaths in 34 registration states)	--	11
1920 -- Whooping Cough (SC subset, 10,968 whooping cough deaths in 34 reg. states)	--	373
1927 -- Polio (acute) esp. late Summer and Fall (SC subset, 2,013 polio deaths nationwide)	--	27
1931 -- " Epidemic Cerebrospinal Meningitis " (SC subset, 2,832 US meningitis deaths)	--	28
1931 -- Diphtheria , especially children (SC subset, 5,738 U.S. diphtheria deaths)	--	93
1931 -- Influenza (SC subset of 31,701 influenza deaths nationwide)	--	787
1931 -- Malaria (SC subset, 2,536 malaria deaths nationwide) ⁶²⁹	--	252
1931 -- Measles , especially children (SC subset, 3,576 measles deaths nationwide)	--	41
1931 -- Polio , esp. July-Oct, (SC subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	14
1935 -- Jan 1, Fire, Cherokee County Home for elderly men dormitory , Gaffney, SC	--	5

⁶²⁷ At least sixteen soldiers died of typhoid in SC, mostly at Charleston.

⁶²⁸ Leading cause of death in State in 1900, with pneumonia second with 1,323 deaths.

⁶²⁹ SC tied with Miss. for 3rd highest malaria mortality in 1931, behind Arkansas with 481 and Georgia with 305.

South Carolina Select Other Loss of Life Events (continued)

1937 -- Sep 30-Oct 18, Elixir Sulfanilamide medicine unintentional poisoning	--	9
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (SC subset of 1,997 U.S. diphtheria deaths)	--	83
1939 -- Influenza and Pneumonia (SC subset, 99,097 U.S. influenza/pneumonia deaths)	--	1,836
1939 -- Malaria (SC subset of 1,761 malaria deaths nationwide)	--	168
1939 -- Tuberculosis (SC subset of 61,609 tuberculosis deaths nationwide)	--	805
1939 -- Whooping Cough (SC subset of 3,026 whooping cough deaths nationwide)	--	124
1940 -- Influenza and Pneumonia (SC subset of 92,525 U.S. flu and pneumonia deaths)	--	1,941
1940 -- Malaria (SC subset of 1,442 U.S. malaria deaths)	--	117
1940 -- Polio , especially children (SC subset of 1,026 polio deaths nationwide)	--	10
1940 -- Tuberculosis (SC subset of 55,576 tuberculosis deaths nationwide)	--	851
1940 -- Whooping Cough (SC subset of 2,926 whooping cough deaths nationwide)	--	48
1941 -- Measles , especially children (SC subset of 2,279 measles deaths nationwide)	--	138
1944 -- Influenza (SC subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	416
1944 -- Measles , especially Jan-June (SC subset of 1,923 measles deaths nationwide)	--	41
1944 -- Tuberculosis (SC subset of 54,731 tuberculosis deaths nationwide)	--	660
1944 -- Whooping Cough (SC subset of 1,878 whooping cough deaths nationwide)	--	91
1950 -- Measles , especially children (SC subset of 468 measles deaths nationwide)	--	23
1953 -- Polio (SC subset of 1,450 polio deaths nationwide)	--	11
1978 -- Nov 30, USAF C-130 Plane hit by lightning , Crashes, ~Cottageville, SC	--	6
1982 -- Jan 11-17, Winter Weather (Extreme cold)	--	3-7
1987 -- Summer Heat , State substate of approximately 388 U.S. heat deaths	--	8
1988 -- Summer, Heat , Aiken, Anderson, Beaufort, Darlington, Dorchester, Lancaster, Orangeburg counties--	--	7
1990 -- Summer, Heat , SC	--	7
1990 -- Oct 10-12, Tropical Storm Marco (and Klaus remnants); drownings, SC	--	5
1994 -- Jan 16-23, Extreme Winter Cold , SC (all hypothermia deaths)	--	5
1995 -- Aug 27, Tropical Storm Jerry , esp. Cherokee, Greenville, Lexington Spartanburg Co's-6	--	6
2005 -- Jan 6, Train Wreck and Chlorine Release , Graniteville, SC	--	9
2007 -- June 18, Fire, Sofa Super (furniture) Store , Firefighters killed, Charleston, SC	--	9
2012 -- Feb 12-13, Winter Storm Pax , CO poisoning, home fire, hypothermia, vehicular	--	6
2014 -- Dec 20, Apartment fire (mother, adult daughter, 3 children), Spartanburg, SC	--	5
2015 -- June 17, Violence -- Mass Shooting, AME Church , Charleston, SC	--	9

Breakout of **South Carolina** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 39 -- **Disease**, select communicable, especially epidemics. (Plus 55 in "Other.")
- 15 -- **Maritime and Inland Waterways**. (1804 hurricane cross-listed with maritime.)
- 13 -- **Heat**. Plus three less-than-10 events – 8 deaths in 1987 and 7 deaths each in 1988 & 1991.
- 11 -- **Hurricanes**. (Plus 2 – one with 5 deaths in 1990 and one with 6 in 1995 in "Other.")
- 10 -- **Tornadoes**.
- 8 -- **Fire, structural**. Includes one cross-listed in Explosions. Plus 3: 5/1935, 9/2007, 5/2014.)
- 7 -- **Aviation**. (Plus one with 6 fatalities in "Other.")
- 3 -- **Violence** (Plus two in "Other" -- with 9 (2015) and one with 7 (1876) fatalities.)
- 2 -- **Vehicular/Road/Highway**.
- 1 -- **Earthquake**.

- 1 -- **Explosion.**
- 1 -- **Flooding.**
- 1 -- **Rail.** (Plus one with 9 fatalities in “Other” {cross-listed in Hazmat})
- 1 -- **Structural Failure.**
- 1 -- **Wildfire.**
- 1 -- **Winter Weather.** (Plus 3 >10 deaths – 3-7 in 1982, 5 in 1994 and 6 in 2014 in “Other.”)
- 0 -- **Poisoning (unintentional)** (9 deaths in 1937 from Elixir Sulfanilamide medicine)

SD

South Dakota

1.	1851 -- Cholera , Fort Pierre and Dakota Sioux/Three Tribes	-- ~340
2.	1873 -- Aug 25-Sep 15, Cholera , Yankton, Yankton Co., Dakota Territory (SD)	-- 46
3.	1879 -- June 12, Cloudburst, Flash Flood , Beaver Creek, Deadwood, SD	-- 11
4.	1881 -- Jan, last 3 weeks, Smallpox Outbreak, Jefferson, Dakota Territory (SD)	-- 32
5.	1888 -- Jan 12, “ Schoolchildren’s Blizzard ” and Extreme Cold, SD	149-155
6.	1890 -- Dec 29, Wounded Knee Massacre , U.S. 7 th Cavalry, SD	-- 350
7.	1899 -- Feb 12, Fire, State Insane Asylum , near Yankton, SD	-- 17
8.	1900 -- Typhoid Fever (SD subset of 35,379 typhoid fever deaths nationwide)	-- 73
9.	1907 -- Typhoid Fever (SD subset of approximately 13,000 deaths nationwide)	-- 92
10.	1907 -- Whooping Cough (SD subset of 4,856 “registration” area deaths) ⁶³⁰	-- 137
11.	1910 -- Polio , especially children, SD	-- 10
12.	1918 -- Sep-Dec, Influenza Epidemic , SD	--2,108
13.	1918 -- Typhoid Fever (SD subset of 9,100 U.S. Typhoid Fever deaths)	-- 37
14.	1919 -- July 04, Pleasure Steamer Reliance Snags and Sinks, Lake Madison, SD	--15-16
15.	1931 -- Summer, Heat and excessive heat deaths (SD subset of 2,768 US deaths)	-- 27
16.	1943 -- Feb 17, Plane Crash, U.S. Army Air Force B-17 , near Huron, SD	-- 12
17.	1943 -- May 22, Plane Crash, USAAF B-17G , ~ Army Air Base, Rapid City, SD	-- 11
18.	1943 -- June 13, Planes Collide, two USAAF B-17F Bombers , near Fedora, SD	--10-11
19.	1943 -- Sep 06, Plane Crash, USAAF B-17F , near Rapid City, SD	-- 10
20.	1943 -- Dec 13, Plane Crash, USAAF, B-17F , near Rosebud, SD	-- 10
21.	1944 -- May 18, Plane Crash, USAAF B-17G , near Rapid City Army Air Base, SD	-- 10
22.	1944 -- Dec 08, Planes Collide, USAAF AT-18’s , Sioux Falls AAF, SD	-- 10
23.	1946 -- Polio , especially July-Nov (SD subset of 1,845 polio deaths nationwide)	-- 35
24.	1948 -- Polio (SD subset of 1,895 polio deaths nationwide)	-- 90
25.	1949 -- Polio , especially July-Nov (SD subset of ~2,725 polio deaths nationwide)	-- 28
26.	1954 -- Aug 27, Plane Crash, USAF Convair B-36 (51-13722), Rapid City, SD	-- 26
27.	1972 -- Jun 09, Pactola Dam Failure, Black Hills Flash Flood , Rapid City, SD	--236-238
28.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	-- 23

South Dakota Select Other Loss of Life Events:

1801-1802 -- Smallpox , Native Americans, especially Dakota and Mandan ⁶³¹	-- ?
1895 -- July 26, Hail Storm , near Djuberg School, Barnes County, SD	-- 1
1900 -- Tuberculosis (3,088 SD deaths all causes) (109,750 US TB deaths) ⁶³²	-- 425
1931 -- Diphtheria , especially children (SD subset, 5,738 U.S. diphtheria deaths)	-- 18
1931 -- Influenza (SD subset of 31,701 influenza deaths nationwide)	-- 185
1931 -- Polio , esp. July-Oct, (SD subset of 2,139-2,144 U.S. polio deaths, esp. children)	-- 13

⁶³⁰ “All of the registration states showed lower mortalities for 1907 as compared with 1906, except California, South Dakota, and Vermont. In South Dakota the death rate from this disease was excessive (28.7).” (U.S. Department of Commerce and Labor. Bureau of the Census. *Mortality Statistics 1907 (Eighth Annual Report)*. DC: GPO, 1909. Google digitized at: <http://books.google.com/books?id=THe3AAAAIAAJ&printsec=frontcover#v=onepage&q&f=false>)

⁶³¹ We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

⁶³² Leading cause of death in South Dakota in 1900.

South Dakota Select Other Loss of Life Events (continued)

1939 --	Diphtheria, esp. Jan-Mar, Sep-Dec (SD subset of 1,997 U.S. diphtheria deaths)	--	16
1943 --	Feb 11, Fire and Suffocation (elderly), Convalescent Home, Sioux Falls, SD	--	7
1944 --	Influenza (SD subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	74
1944 --	Measles, especially Jan-June (SD subset of 1,923 measles deaths nationwide)	--	15
1944 --	Whooping Cough (SD subset of 1,878 whooping cough deaths nationwide)	--	13
1944 --	Dec 25, USAF C-47A Plane Crash, Roundtop Mt. near Harrisburg, PA ⁶³³	--	7
1949 --	April 10, Explosion, propane gas furnace leak, St. Mary's Church, Marion, SD	--	6
1975 --	Jan 10-12, Blizzard, "The Great Storm of 1975" ⁶³⁴	--	8
1987 --	Summer Heat, State substate of approximately 388 U.S. heat deaths	--	5

Breakout of South Dakota Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 13 -- Disease, select communicable, especially epidemics. (Plus 8 in "Other.")
- 8 -- Aviation (Plus one with 7 deaths in "Other.")
- 2 -- Flooding and Flash Flooding One is cross-listed in Structural (dam) Failure.
- 1 -- Blizzard. (Plus one with 8 deaths in "Other.")
- 1 -- Fire, structural. Plus 1 event >10 deaths: 7 in Feb 11, 1943 fire.
- 1 -- Heat. (Plus one year with fewer than 10 deaths -- five in 1987.)
- 1 -- Structural Failure
- 1 -- Violence
- 1 -- Water Craft.
- 0 -- Explosion. (There were, though, 6 deaths in a 1949 furnace gas leak explosion in Marion.)

⁶³³ Seven fatalities and 14 injured were from South Dakota where they were headed for Christmas furlough.

⁶³⁴ Subset of 80-84 midwest fatalities.

TN

Tennessee

1. 1811 -- Dec 16-Feb 7, 1812, **New Madrid Earthquakes**, especially Reelfoot Lake area-->10
2. 1828 -- **Yellow Fever** Epidemic, Memphis, TN -- 56
3. 1830 -- Feb 24, **Steamboat *Helen McGregor* Boiler Explosion**, Memphis, TN --33-60
4. 1832 -- Mar 27-July 12, **Cholera** Outbreak, Nashville, TN -- 77
5. 1833 -- **Cholera**, esp. Shelbyville (109, June 26-July 16), also Nashville (70/June), etc.-- 185
6. 1835 -- Apr 13-July 5, **Cholera**, esp. Franklin, July 2-5 (10), Memphis (35) TN Pen. (28)--94
7. 1835 -- May 15, **Steamboat *Majestic* boiler collapse/explosion**, Memphis TN --38-40
8. 1836 -- ~Oct, **Steamer *Nicholas Biddle* Boiler Explosion**, below Memphis TN --13-15
9. 1844 -- Dec 14, ***Belle of Clarksville/Louisiana* Collision**, MS River, ~Memphis, TN⁶³⁵31-36
10. 1849 -- **Cholera** Epidemic, especially Memphis (~400) and Nashville (285), TN -- 736
11. 1850 -- Spring-July, **Cholera**, especially Nashville (≥301) -- 363
12. 1851 -- **Cholera**, especially Memphis; also Franklin and Clarksville --> 115
13. 1852 -- Jan 25, **Steamboat *De Witt Clinton* Snags and Sinks**, near Memphis, TN --36-40
14. 1854 -- May-Sep, **Cholera**, especially Fayetteville, Knoxville, Nashville, TN -- 107
15. 1855 -- Summer-Fall, **Yellow Fever** Epidemic, Memphis, TN -- 220
16. 1860 -- **Smallpox** (State subset of 1,263-1,271 smallpox deaths in reporting States) -- 10
17. 1862 -- Nov 12, **Steamer *Eugene* snags sunken wreck**, MS Riv. Plum Point Bend, TN-- 15
18. 1864 -- Apr 12/13, **Massacre**, Confederates kill captives, esp. Black, Fort Pillow, TN -- ~300
19. 1864 -- Nov ~5, **Union transport *James White*, snags/sinks**, MS River, Island #10, TN-- 16
20. 1865 -- Jan 26/27, **Steamer *Eclipse* Boiler Explosion**, Tenn. River, Johnsonville, TN --27-36
21. 1865 -- Jun 09, **Ordnance Building Explosion/Fire from train sparks**, Chattanooga, TN~10
22. 1866 -- Mar 04, **Steamboat *Lockwood* Explosion/Burns**, 8 miles below Memphis, TN--9-20
23. 1866 -- May 1-3, Racial riots, **Irish police lead riots against blacks**, Memphis, TN⁶³⁶-46-48
24. 1866 -- esp. Fall, **Cholera**, Memphis and Nashville, TN --1,369
25. 1867 -- Summer-Fall, **Yellow Fever** Epidemic, Memphis, TN -- 550
26. 1867 -- Jan. 18, **Steamboat *Platte Valley* hits submerged wreck** near Memphis, TN 60-100
27. 1870 -- **Smallpox** (State subset of 4,597 smallpox deaths nationwide) -- 94
28. 1871 -- Jan 28, **Steamboat *W. R. Arthur* Boiler Explosion**, near Memphis, TN --60-87
29. 1871 -- July 3, **Bridge Fails** under **Train**, Harpeth River, near Nashville, TN -- 15
30. 1873 -- **Cholera**, esp. Chattanooga, Gallatin, Memphis, Nashville, Rutherford County--3,016
31. 1873 -- Aug-Nov, **Yellow Fever**, Memphis, TN --2,000
32. 1878 -- Aug-Nov 18, **Yellow Fever**, esp. Memphis, Chattanooga and Brownsville, TN-6,260
33. 1879 -- June-May 1880, **Meningitis** (State subset of 7,481 U.S. meningitis deaths)⁶³⁷ -- 296
34. 1879 -- June-May 1880, **Croup**, esp. Oct-Dec, esp. children (17,966 US croup deaths)⁶³⁸-1,010
35. 1879 -- June-May 1880, **Tuberculosis** (TN subset of 91,270 TB deaths nationwide) --3,623
36. 1879 -- July 9-Nov 10, **Yellow Fever**, Memphis, TN⁶³⁹ -- 587
37. 1882 -- **Smallpox**, esp. Chattanooga (248), Shelby Co., including Memphis (165) -- 535
38. 1882 -- Mar 30, **Steamboat *Golden City* Burns** near Memphis, TN -- 35
39. 1883 -- **Smallpox**, esp. Chattanooga (105), also Nashville (57) and elsewhere -- 257

⁶³⁵ Besides the proximity to Memphis, the boat was a Nashville, TN boat.

⁶³⁶ Forty-six blacks killed by police and rioters; 2 whites killed by friendly-fire.

⁶³⁷ In terms of deaths per State, TN was 4th, following KY with 350, NY with 314 and PA with 305 deaths each.

⁶³⁸ TN led nation in Croup deaths in May 1879-June 1880 year. Close behind were IL/1,006 and PA/1,005.

⁶³⁹ National Board of Health notes in its 1879 *Annual Report* that over half the estimated 40,000 pop. fled Memphis.

Tennessee (continued)

40.	1884 -- Jan 23, Raft upset/drownings , Upper Cumberland River, near Carthage, TN	-- 9-10
41.	1890 -- Typhoid Fever (TN subset of ~30,000 typhoid deaths nationwide) ⁶⁴⁰	--1,166
42.	1891 -- March 13, Fire, Central Tennessee Insane Asylum , near Nashville, TN	--10-11
43.	1895 -- Dec 20, Mine Explosion , Nelson Coal Mine, Dayton, TN	-- 30
44.	1901 -- May 27, Mine Dust Explosion , New Richland Coal Mine, Dayton, TN	--20-21
45.	1902 -- Mar 28-30, Flooding , esp. Pulaski, Harriman, Lewisburg, McMinnville, TN	--22-25
46.	1902 -- Mar 31, Mine Explosion , Nelson Coal Mine, Dayton Coal/Iron Co., Dayton, TN	-- 22
47.	1902 -- May 19, Mine Explosion , Fraterville Coal Mine, Coal Creek, TN	--184-227
48.	1903 -- Dec 18, Fire, Women's Dormitory, Walden University , Nashville, TN	-- 9-15
49.	1904 -- Sep 24, Trains Collide head-on , New Market, TN	-- 62
50.	1906 -- Sep 21, Explosion, Carload of Dynamite, ~Southern Rail Depot, Jellico TN	-- 7-20
51.	1909 -- Apr 29, Tornadoes , multiple counties, esp. Giles, Lincoln, Decatur counties	--77-85
52.	1909 -- Oct 14, Storm & Tornadoes. , seven counties (esp. Hardin and McNairy), TN	--42-50
53.	1911 -- Mar 15, Structural Collapse, J.H. Fall & Co. Bldg., 3rd Ave., Nashville , TN	-- 13
54.	1911 -- Jun 24, Flue Collapse, City of St. Joseph , MS River, Presidents Island, TN	-- 22
55.	1911 -- Dec 09, Mine Explosion , Cross Mountain Coal Mine, Briceville, TN	-- 100
56.	1913 -- Mar 13, Tornadoes , (4), TN	-- 26
57.	1916 -- June 5, Tornado , Packet-boat <i>Eleanore</i> Capsizes, MS River ~Memphis, TN	--12-30
58.	1916 -- Aug 2-3, Cloudburst, Mill Dam Fails, Flash Flood , ~New Tazewell, TN	--27-38
59.	1917 -- May 27, Tornado , Miss. Co., AR, Lauderdale/Dyer/Gibson/Weaicley, TN	-- 18
60.	1917 -- May 27, Tornadoes (3), 12 counties, TN	-- 13
61.	1917 -- Dec 20, Mine Explosion , No. 3 Coal Mine, Catoosa, TN	-- 11
62.	1918 -- Sep-1919, Influenza and Pneumonia Epidemic , TN	--7,721
63.	1918 -- July 09, Trains Collide, "Great Nashville Train Collision," Nashville, TN	-- 101
64.	1920 -- Malaria (TN subset of 3,136 malaria deaths in 34 registration states) ⁶⁴¹	-- 183
65.	1920 -- Typhoid Fever (TN subset, 6,805 typhoid fever deaths, 34 registration states) ⁶⁴²	--434
66.	1921 -- Jan 24, Gasoline Explosion, Parked Rail Tank Car , Memphis, TN	-- 13
67.	1923 -- Mar 11, Tornado , Chester and Madison Counties, TN	-- 20
68.	1923 -- May 11, Tornado , Chester and Madison Counties, TN	-- 20
69.	1925 -- Mar 18, Tornadoes , TN	-- 30
70.	1925 -- May 8, U.S. Steamer Norman Capsizes/Sinks , MS River, Coahoma, MS ⁶⁴³	--16-23
71.	1925 -- July 23, Mine Explosion, Rockwood Coal Mine , Rockwood, TN	-- 10
72.	1926 -- Oct 04, Mine Explosion, Rockwood Coal Mine , Rockwood, TN	-- 27
73.	1931 -- Summer, Heat , excessive heat deaths (TN subset, 2,768 U.S. deaths)	-- 22
74.	1932 -- Jan 14, Tornado , Gibson County, TN	-- 10
75.	1932 -- March 21, Tornadoes , TN	-- 22
76.	1933 -- March 14, Tornado outbreak , esp. Nashville, Pruden, Kingsport area, TN	--45-52
77.	1933 -- May 10, Tornado , Overton, Pickett Counties, TN	-- 35
78.	1936 -- Apr 5, Tornadoes , Hardin, Lewis, Lincoln, Maury, Wayne Counties, TN	-- 16
79.	1937 -- Jan 5-Feb 15 (generally), Flooding , OH and MS River Valley areas	-- 23

⁶⁴⁰ In terms of loss of life to typhoid fever in 1890, TN was 3rd behind NY with over 1,700, and OH with 1,630.

⁶⁴¹ In terms of loss of life to malaria in 1920, TN was 6th behind MS/683, LA/586, SC/487, FL/344 and NC/210.

⁶⁴² In terms of loss of life to typhoid fever, TN was 4th, behind PA with 503, KY with 490 and OH with 435 deaths.

⁶⁴³ Cross-listed in TN and MS. Coahoma is ~16 mi so. of Memphis, TN. Most victims lived in TN, esp., Memphis.

Tennessee (continued)

80.	1941 --	Measles , especially children (TN subset 2,279 measles deaths nationwide) ⁶⁴⁴	--	133
81.	1942 --	Mar 16, Tornadoes , McNairy, Chester, Henderson, Decatur, other counties	--	25
82.	1943 --	Mar 27, USAAF C-47 explosion , structural failure, crash, Oliver Springs, TN	--	11
83.	1943 --	May 05, NuRex Coal Mine Explosion , LaFollete, TN	--	10
84.	1943 --	June 05, Army truck crashes through bridge over railroad near Nashville, TN	--	19
85.	1943 --	Oct 15, Plane Crash, American Airlines Flight #63 , near Centerville, TN	--11-15	
86.	1944 --	Feb 10, Plane Crash, American Air Flight 2 , Miss. River near Memphis, TN	--	24
87.	1944 --	May 29, Plane Crash, USAAF B-17G , near Ridgely, TN	--	10
88.	1944 --	July 6, Troop Train Derailment , Jellico, TN	--	35
89.	1945 --	Jan 24, Planes Collide, USAAF B-17F's , near Dyersburg, TN	--	16
90.	1945 --	Apr 08, Plane Crash, USAAF TB-17F , near Tellico Plains, TN	--	10
91.	1946 --	Jun 12, Plane crash/fire, USAAF B29 , Collins Gap, near Clingman's Dome, TN	-	12
92.	1947 --	Dec 11, Plane Crash, USAF C-47 , Near Memphis, TN	--	20
93.	1950 --	Measles , especially children (TN subset of 468 measles deaths nationwide) ⁶⁴⁵	--	25
94.	1951 --	Jan 27-Feb 6, Cold Waves, Winter Storms, ice, sleet, snow , TN ⁶⁴⁶	--	11
95.	1954 --	March 21, Tornadoes , Hardman, Chester, Henderson, Decatur, other counties	--	75
96.	1955 --	Aug 22, School Bus Hit by Train , Spring City, TN	--	11
97.	1959 --	Jan 08, Plane Crash, Southeast Airlines Flight 308 , near Bristol, TN	--	10
98.	1960 --	Oct 04, Explosion, Tenn. Eastman Chemical, Aniline Plant , Kingsport, TN	--	15
99.	1961 --	Mar 28, Residential fire (lightning?) , Alex Whitehead home, Dotsonville, TN	--	12
100.	1964 --	July 09, Plane Fire/Crash, United Airlines Flight 823 , near Parrottsville, TN	--	39
101.	1972 --	May 13, Greyhound Bus/Freight Truck Collision , Bean Station, TN	--	14
102.	1974 --	Apr 03, Tornadoes , multiple counties, esp. Cookeville, Putnam, Co., TN	--44-50	
103.	1977 --	June 26, Fire , Maury County Jail, Columbia, TN	--	42
104.	1978 --	Feb 24, Train Derailment, Explosion, LPG Tank Car , Waverly, TN	--	16
105.	1980 --	June-Aug (esp.), Heat , esp. counties of Shelby, Hamilton, and Davidson	--172-192	
106.	1981 --	Dec 8, Coal mine No. 21 (Grundy Mining) methane gas explos. , Whitwell, TN	--	13
107.	1982 --	Jan 10-18, Winter Weather (especially extreme cold and snow storms)	--	6-13
108.	1983 --	Summer Heat (esp. July 15-28), 15 Counties, TN (subset of 596 deaths)	--	29
109.	1985 --	Jan 20-23, Winter weather, exposure/hypothermia	--12-20	
110.	1986 --	Summer Heat , TN (subset of >400 U.S. heat-related fatalities)	--	19
111.	1988 --	March 8, US Army Blackhawks collide mid-air , Fort Campbell, KY/TN ⁶⁴⁷	--	17
112.	1989 --	Dec 24, Fire, John Seiver Retirement Hotel , Johnson City, TN	--	16
113.	1990 --	Dec 11, Fog, Multiple-Vehicle Collisions, I-75 near Calhoun, TN	--	12
114.	1993 --	Mar 12-13 Eastern Seaboard "Superstorm of 1993," subset for TN	--	15
115.	1993 --	Summer esp., Heat (TN subset of 311 U.S. heat deaths)	--	18
116.	1995 --	Summer esp., Heat (TN subset of 1,563-1,601 U.S. heat-related deaths)	--	13
117.	1999 --	Summer esp., Heat , especially July 21-Aug 1, (subset, 1,050 US heat deaths)	--	19
118.	2000 --	Summer esp., Heat (TN subset of 333 U.S. heat-related deaths)	--	10

⁶⁴⁴ In terms of loss of life per State, TN was 5th behind VA at 170, GA at 160, KY at 158, and SC at 138 deaths.

⁶⁴⁵ In terms of loss of life per State TN was 6th behind MS at 34, KY at 30, MI at 28, OH at 27, and NJ at 26 deaths.

⁶⁴⁶ Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

⁶⁴⁷ The collision occurred over western KY-TN border, with one Blackhawk falling on KY side, the other in TN. Cross-listing in both KY and TN. The total number of deaths was 17 -- all on-board the two helicopters.

119.	2002 -- Nov 10, Tornadoes , esp. Coffee, Cumberland, Morgan, Montgomery counties--	15
120.	2003 -- May 4, Tornadoes , especially Denmark area, Madison County	-- 11
121.	2003 -- Sep 25, Fire, National Healthcare Center Nursing Home , Nashville, TN	-- 16
122.	2005 -- Summer esp., Heat (TN subset of 847 U.S. heat-related fatalities)	-- 11
123.	2006 -- Apr 02, Tornadoes , Northwestern Tennessee, Dyer and Gibson Counties	-- 24
124.	2007 -- May 1, Aug (esp. Aug 5-25), Heat , esp. Shelby County (14), TN	-- 19
125.	2008 -- Feb 5-6, Tornadoes , Fayette/Hardin/Macon/Madison/Shelby/Sumner/Trousdale Co's. ⁶⁴⁸	--36-37
126.	2009 -- June 17-19, Heat , esp. Carroll and Shelby Counties (subset of US 402)	-- 11
127.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	-- 57
128.	2010 -- May 1-2, Severe Storms, Flooding , Tornadoes, esp. Davidson Co., TN ⁶⁴⁹	--23-25
129.	2010 -- June-Aug, Heat , especially Shelby County, TN	-- 24
130.	2011 -- Apr 27, Tornadoes , esp. Counties of Bradley, Greene, Hamilton, Bledsoe, TN--	34
131.	2011 -- Summer Heat (TN subset of 719-725 U.S. heat-related deaths)	-- 10
132.	2012 -- Fungal Meningitis due to tainted steroid injections , TN	-- 16
133.	2012 -- Summer Heat (TN subset of 598 heat-related deaths nationwide)	-- 12
134.	2015 -- Summer Heat , (subset of 339 US heat deaths) ⁶⁵⁰	-- 47
135.	2016 -- Nov 28, Chimney Tops 2 arson Wildfire hits Gatlinburg, Sevier County, TN--	14

Tennessee Select Other Loss of Life Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	-- 904
1860 --	Measles (TN subset of 3,900 measles deaths nationwide)	-- 121
1860 --	Scarlet Fever (TN subset of 26,402 deaths in 38 Census States & DC)	-- 879
1860 --	Tuberculosis ("consumption") (TN subset of 49,082 death nationwide) ⁶⁵¹	--1,440
1860 --	Typhoid Fever (TN subset of 19,236 deaths in 38 "registration" States and DC)	-- 918
1860 --	Whooping Cough (TN subset of 8,408 whooping cough deaths nationwide)	-- 291
1870 --	Croup , especially children (TN subset of 10,692 deaths nationwide)	-- 652
1870 --	Diphtheria (TN subset of 6,303 diphtheria deaths nationwide)	-- 96
1870 --	Measles , especially children (TN subset of 9,237 measles deaths nationwide)	-- 335
1870 --	Pneumonia (TN subset of 40,012 pneumonia deaths nationwide)	--1,298
1870 --	Scarlet Fever (TN subset of 20,339 scarlet fever deaths nationwide)	-- 29
1870 --	Tuberculosis (Consumption) (TN subset of ~70,000 TB deaths nationwide)	--2,377
1870 --	Typhoid Fever (TN subset of 22,187 typhoid fever deaths nationwide)	-- 607
1870 --	Typhus (TN subset of 1,770 typhus deaths nationwide)	-- 36
1870 --	Whooping Cough (TN subset of 9,008 whooping cough deaths nationwide)	-- 361
1879 --	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--1,020
1879 --	June-May 1880, " Malarial Fever ," (TN subset, 20,231 such deaths nationwide)	-- 906
1879 --	June-May 1880, Measles , esp. children (TN subset, 8,254 U.S. measles deaths)	-- 107
1879 --	June-May 1880, Scarlet Fever , esp. children (TN subset, 16,388 U.S. S.F. deaths)--	80
1879 --	June-May 1880, Typhoid Fever (TN subset of 23,339 U.S. Typhoid deaths)	-- 903
1879 --	June-May 1880, Whooping Cough (TN subset, 11,064 U.S. W.C. deaths)	-- 457
1887 --	July 12, Lightning , People Seeking Shelter Under a Tree, ~Mt. Pleasant, TN	-- 9

⁶⁴⁸ The range has to do with one NWS source noting seven deaths in Sumner County, TN, and another noting eight.

⁶⁴⁹ Twenty-two flood-related deaths and one tornado-related death.

⁶⁵⁰ TN was 2nd, behind AZ with 58, for the most excessive heat deaths in a State in 2015.

⁶⁵¹ Was the leading reported cause of death in the State and in the U.S. in 1860.

Tennessee Select Other Loss of Life Events (continued)

1888 -- Aug 09, Fire, Wall Collapse , Caldwell & Griffith block, Chattanooga, TN	--	5-7
1890 -- Jan-Feb, Influenza (La Grippe/Russian Flu), esp. Chattanooga, Nashville, TN	--	186
1898 -- Typhoid Fever (TN subset of >3,300 deaths), esp. 2 nd , 3 rd , 6 th TN Vol. Infantry ⁶⁵²	--	51
1900 -- Tuberculosis (30,572 TN deaths all causes) (109,750 US TB deaths)	--	4,451
1900 -- Typhoid Fever (TN subset of 35,379 typhoid fever deaths nationwide)	--	1,709
1907 -- Typhoid Fever , Memphis and Nashville, TN (subset of ~13,000 deaths nationwide)	--	145
1910 -- Smallpox , TN	--	10
1913 -- Sep 1, Labor Day Race Wreck, State Fair Grounds Nashville, TN	--	4
1917 -- Polio , esp. June-Sep, especially children (TN subset, ≥1,182 U.S. polio deaths)	--	25
1920 -- Diphtheria & Croup (TN subset of 13,395 deaths in 34 registration states)	--	389
1920 -- Influenza and pneumonia , especially Memphis and Nashville	--	1,353
1920 -- Measles (TN subset of 7,712 measles deaths in 34 registration states)	--	250
1920 -- Scarlet Fever (TN subset of 4,004 scarlet fever deaths in 34 registration states)	--	53
1920 -- Smallpox (TN subset of 508 smallpox deaths reported in 34 registration states)	--	12
1920 -- Tuberculosis , especially Chattanooga, Knoxville, Memphis, Nashville, TN	--	3,405
1920 -- Whooping Cough (TN subset, 10,968 whooping cough deaths in 34 reg. states)	--	295
1921 -- Polio (Acute) esp. late Summer-Fall (TN subset, 1,597 U.S. polio deaths)	--	30
1922 -- June 27, Explosion, Holston marble quarry , Strawberry plains ~Knoxville, TN	--	9
1927 -- Polio (Acute) esp. late Summer and Fall (TN subset, 2,013 U.S. polio deaths)	--	39
1930 -- Apr 27, Plane Buzzes Spectators, Crashes at Air Show near Fayetteville, TN	--	9
1931 -- "Epidemic Cerebrospinal Meningitis" (TN subset, 2,832 US meningitis deaths)	--	143
1931 -- Diphtheria , especially children (TN subset, 5,738 U.S. diphtheria deaths)	--	277
1931 -- Influenza (TN subset of 31,701 influenza deaths nationwide)	--	1,033
1931 -- Malaria (TN subset, 2,536 malaria deaths nationwide)	--	144
1931 -- Measles , especially children (TN subset, 3,576 measles deaths nationwide)	--	110
1931 -- Polio , esp. July-Oct, (TN subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	22
1937 -- Oct 12-Oct 24, Elixir Sulfanilamide medicine unintentional poisoning	--	6
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (TN subset of 1,997 U.S. diphtheria deaths)	--	91
1939 -- Influenza and Pneumonia (TN subset, 99,097 U.S. influenza/pneumonia deaths)	--	2,987
1939 -- Malaria (TN subset of 1,761 malaria deaths nationwide)	--	96
1939 -- Tuberculosis (TN subset of 61,609 tuberculosis deaths nationwide)	--	2,127
1939 -- Whooping Cough (TN subset of 3,026 whooping cough deaths nationwide)	--	104
1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	6
1940 -- Influenza and Pneumonia (TN subset of 92,525 U.S. flu and pneumonia deaths)	--	3,010
1940 -- Tuberculosis (TN subset of 55,576 tuberculosis deaths nationwide)	--	2,020
1940 -- Whooping Cough (TN subset of 2,926 whooping cough deaths nationwide)	--	110
1944 -- Cerebrospinal Meningitis , TN (2,812 U.S. cerebrospinal meningitis deaths)	--	81
1944 -- Influenza (TN subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	663
1944 -- Measles , especially Jan-June (TN subset of 1,923 measles deaths nationwide)	--	68
1944 -- Tuberculosis (TN subset of 54,731 tuberculosis deaths nationwide)	--	1,881
1944 -- Whooping Cough (TN subset of 1,878 whooping cough deaths nationwide)	--	61
1951 -- Polio , especially July-Nov (TN subset of 1,551-1,555 polio deaths nationwide)	--	35

⁶⁵² At least 51 soldiers died of Typhoid in TN, especially Camp Poland at Knoxville and at Chattanooga. Twenty-one men of the three Tennessee Volunteer Infantry regiments died of typhoid mostly at various military camps.

1953 --	Polio , especially children (TN subset of 1,450 polio deaths nationwide)	--	19
1982 --	Aug 31, USAF C-141 transport plane crash , John's Knob, Cherokee Nat., TN	--	9
1987 --	Dec 19, Tramplng, Municipal Auditorium , Nashville, TN	--	2
1987 --	Summer Heat , State substate of approximately 388 U.S. heat deaths	--	7
1988 --	Summer Heat , TN	--	8
1988 --	Dec 23, Propane tanker hits wall explodes ; parts hit house, cars, Memphis TN ⁶⁵³ -		9
1989 --	Apr 1, Hatchie River Bridge Collapse , near Covington, TN	--	8
2006 --	Mar 11, Fire, two-story home , Evensville, Rhea County, TN	--	9
2013 --	Oct 2, Church bus tire blowout , crash into SUV and tractor-trailer, I-40 eastern TN--		8
2015 --	Dec 23, Tornado fatalities , Maury (3), Perry (2) and Rhea (1) Counties	--	6
2016 --	Nov 21, Woodmore elementary school bus crash , Brainerd ~Chattanooga, TN	--	5

Breakout of **Tennessee** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 29 -- **Disease**, select communicable, especially epidemics. (Plus 54 in "Other.")
- 22 -- **Tornadoes**. (Plus one with six fatalities in 2015 in "Other.")
- 15 -- **Heat**. (Plus 3 years <10 deaths: 6 in 1939, 7 in 1987 and 8 deaths in 1988.)
- 15 -- **Maritime/In-Land Water Craft**
- 11 -- **Aviation** (Plus two --9 deaths each in 1930 and in 1982.)
- 10 -- **Mining**. (Plus 1 event <10 deaths: 9 in 1922.)
- 8 -- **Rail** – 3 cross-listed in explosions, one in structural failure (bridge).
- 6 -- **Fire-Structural** (Plus two – one with 9 and one with 5-7 deaths in "Other.")
- 5 -- **Explosions** – four are rail-related and thus cross-listed under "Rail."
- 4 -- **Flooding**
- 4 -- **Vehicular** -- road/highway. (Plus 3: 9 deaths in 1988, 8 in 2013, one with 5 in 2016.)
- 4 -- **Winter Storm/Weather** (Plus one event in 1994 with 7 deaths.)
- 3 -- **Structural Failure**. (One cross-listed under rail, in that it was a trestle failure under train.)
- 2 -- **Violence**
- 1 -- **Earthquake**.
- 1 -- **Wildfire**.
- 1 -- **Tampered/Tainted Medication**
- 0 -- **Lightning**. (Though 9 died in 1887 when lightning hit tree where people sought shelter.)
- 0 -- **Poisoning (unintentional)** Six deaths in 1937 from Elixir Sulfanilamide med. poisoning.

⁶⁵³ Cross-listed in Explosions and in Hazardous Materials Events.

TX

Texas

1.	1527 -- Nov, Hurricane , Matagorda Bay, TX	-- 200
2.	1553 -- Hurricane , Lower Coast of TX	--1,700
3.	1554 -- April, Hurricane , today's Brownsville, TX	--50-100
4.	1818 -- Sep 12, Hurricane , Galveston, TX	<1,000
5.	1835 -- Sep 18, Hurricane , Corpus Christi, TX	-- 14
6.	1836 -- Feb 23-March 6, Fall of the Alamo , Texans Revolt from Mexico, TX	-- 257
7.	1836 -- Mar 27, Mexican Pres. Santa Anna orders execution of TX prisoners, Goliad, TX	--342
8.	1838 -- Oct 08, Massacre of Surveying Party near Dawson, Navarro County, TX	-- 18
9.	1839 -- Sep 30-Oct 11, Yellow Fever Epidemic , esp. Galveston (250), also Houston, TX	--255
10.	1840 -- March 19, Council House Fight, peace party Comanches (35), San Antonio, TX	--42
11.	1840 -- March, Retaliation for Council House Comanche peace envoy deaths; prisoners killed	-- 13
12.	1840 -- Aug 6-7, Council House Retaliation; Comanches raid Victoria & vicinity , TX	--15-23
13.	1840 -- Aug 12, Battle, TX militia catch-up with Comanche raiders; attack ~Plum Creek TX	--25-40
14.	1840 -- Oct 24, TX volunteers ambush Comanche camp , Red Fork Col. Riv., TX	--110-140
15.	1843 -- Sep 25, Steamer Sarah Barnes Sinks in Gulf, gale, west of Sabine Pass, TX	--17-18
16.	1844 -- July 5, beginning, Yellow Fever Epidemic , Galveston, TX	-- 400
17.	1844 -- Aug 06, Tropical Cyclone , Brownsville, TX	-- 70
18.	1846 -- Oct 12, Steamer Colonel Harney Strands , Brazos, TX	-- 15
19.	1847 -- Oct 1-Nov 26, Yellow Fever Epidemic , Galveston, also Houston, Matamoras	-- 206
20.	1849 -- Cholera , esp. San Antonio, also Brownsville, Port Isabel, Port Lavaca, etc.	--1,274-1,365
21.	1850 -- Spring, Cholera Outbreak (18 on Coffee Plantation vicinity, Brazos River)	-- 78
22.	1852 -- Nov-Dec, Cholera Outbreak , Polk County, TX	--52-64
23.	1853 -- Mar 23, Steamer Farmer Boiler Explosion, racing , Galveston Bay, TX	--28-36
24.	1853 -- Aug 16-Dec 23, Yellow Fever Epidemic , especially Galveston, TX ⁶⁵⁴	-- 870
25.	1854 -- Yellow Fever Outbreak , Galveston, TX	-- 404
26.	1854 -- Sep 17/18, Hurricane , Steamer <i>Kate Ward</i> Lost, Matagorda Bay, TX	-- 14
27.	1856 -- Aug 8-10, Steamer Nautilus Founders , Hurricane off TX Coast ⁶⁵⁵	--20-30
28.	1857 -- May 31, Steamboat Louisiana Burns , off Galveston, TX	--35-66
29.	1858 -- Sum-Fall, Yellow Fever Outbreak , Brownsville, Galveston, Indianola, TX	-- 685
30.	1859 -- Yellow Fever Outbreak , Edinburgh & especially Galveston, TX	-- 199
31.	1860 -- Measles (TX subset of 3,900 measles deaths nationwide)	-- 135
32.	1860 -- Typhoid Fever (TX subset, 19,236 deaths in 38 "registration" States and DC)--	702
33.	1862 -- Aug 10, Rebel cav. attacks fleeing Germans, Nueces River, Kenney Co., TX ⁶⁵⁶	--9-28
34.	1864 -- Yellow Fever Outbreak , Galveston, TX	-- 259
35.	1867 -- July-Dec, Yellow Fever , multiple locations, especially Galveston/Houston, TX	--4,890
36.	1867 -- Oct 1-3 or 7-8, Hurricane E. TX Coast, esp. Brownsville & Matamoros	-->25-100
37.	1868 -- July 15 time-frame, White vs. Black Conflict , Millican, Brazos Co., TX	-- 6-15
38.	1869 -- Feb 12, Steamer Mittie Stephens fire , Caddo Lake ~Swanson's Landing, TX	--61-69
39.	1870 -- Measles (TX subset of 9,237 measles deaths nationwide)	-- 368
40.	1870 -- Smallpox (State subset of 4,597 smallpox deaths nationwide)	-- 125

⁶⁵⁴ Also Brownsville, Cincinnati, Cypress City, Houston, Indianola, Lavaca, Liverpool, Richmond, and Saluria.

⁶⁵⁵ 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. Other accounts have it off the Louisiana coast.

⁶⁵⁶ The range is meant to distinguish between execution of nine captured wounded and 19 others killed in the attack.

Texas (continued)

41.	1871 -- Oct 3, Hurricane , TX Coast, Steamer C. K. Hall Lost off Cedar Point, TX	-- >10
42.	1873 -- Feb 15, Steamer Henry A. Jones burns , Galveston, TX	-- 21
43.	1873 -- Yellow Fever , Calvert, TX	-- 125
44.	1873 -- Sep 20-Oct 10, Cholera epidemic, Denison , Grayson County, TX	-- 80
45.	1875 -- Sep 15-16, Hurricane , Matagorda Bay-Sabine Pass, esp. Indianola, TX	-176-420
46.	1875 -- Nov 09, Steamship City of Waco burns off Galveston Bar, TX	--49-70
47.	1879 -- June-May 1880, " Malarial Fever ," (TX subset, 20,231 such deaths U.S.)	-- 889
48.	1879 -- June-May 1880, Measles , esp. children (TX subset, 8,254 US measles deaths)	-- 261
49.	1879 -- Smallpox , San Antonio, TX	-- 125
50.	1879 -- June-May 1880, Smallpox (TX subset, ~1,270 US smallpox deaths) ⁶⁵⁷	-- 517
51.	1879 -- June-May 1880, Typhoid Fever (TX subset of 23,339 U.S. Typhoid deaths)	--1,081
52.	1879 -- June-May 1880, Whooping Cough (TX subset, 11,064 U.S. W.C. deaths)	-- 584
53.	1880 -- May 28, Tornado , Fannin County, TX	-- 40
54.	1881 -- Jan-Apr, Smallpox , Brownsville (65), also Austin (2, Dec 18-24), TX	-- 67
55.	1882 -- Aug 23-24, Flooding , Concho Rivers, Ben Ficklin & vicinity, TX	--65->100
56.	1883 -- Apr 07, Structural Failure and Fire , Ende Hotel , Greenville, TX	--13-15
57.	1884 -- Nov 13, Sabotage, Houston & TX Central Train derails , ~Hempstead, TX	-- 9-12
58.	1886 -- Aug 19-20, Tropical Cyclone , TX, especially Indianola, TX	-- 38
59.	1886 -- Oct 12-13, East Texas Hurricane , TX	-- 150
60.	1886 -- Dec 31, Trains Collide/Fire , Southern Pacific Railroad, ~Devil's River, TX	-- ~10
61.	1887 -- Sec 21, Hurricane , Middle Coast of Texas, Sailors Lost at Sea	-- 14
62.	1888 -- June 4, Fire, Mundine Hotel , Rockdale, TX	-- 11
63.	1892 -- May 31, Tornado , Bell and Falls Counties, TX	-- 10
64.	1893 -- Apr 28, Tornado , Eastland County, TX	-- 23
65.	1894 -- Mar 18, Tornadoes (2), Harrison and Nacogdoches Counties, TX	--10-16
66.	1896 -- May 15, Tornado , Sherman, (Denton and Grayson Counties) TX	-- 73
67.	1897 -- Sep 12-13, Hurricane , Southeast TX, Beaumont, TX landfall	-- 29
68.	1899 -- May, Flood, Brazos River , Central and East TX	-- 40
69.	1899 -- June 17-28, Flooding, Brazos River , TX	-- 284
70.	1900 -- Typhoid Fever (TX subset of 35,379 typhoid fever deaths nationwide)	--2,013
71.	1900 -- Apr 07, McDonald Dam Failure and Flooding , Austin, TX	-- 45
72.	1900 -- Sep 9, Hurricane , Galveston and southeast coastal area, TX	--7,200-12,000
73.	1901 -- Sep 25, Cloudburst, Flash Flood , Prospectors Drown, Presidio County, TX	-- 13
74.	1902 -- Mar 07, Passenger Train Derails (broken rail), burns, ~Maxon Station, TX	-- 15
75.	1902 -- May 18, Tornado Outbreak, esp. Goliad, TX	-- 118
76.	1903 -- July 02, Cloudburst/ Flooding , Beeville, Mineral City, Normania, Pettus, TX	--11-14
77.	1905 -- Apr 29, Severe Storm or Tornado , Laredo, TX	-- 16
78.	1905 -- July 05, Tornado , Montague Country, TX	-- 18
79.	1906 -- Apr 26, Tornado , Clay and Montague Counties, TX	-- 17
80.	1907 -- May 25, Tornadoes (3), Mason, San Saba, Van Zandt, Rains Counties, TX	-- 12
81.	1909 -- Mar 23, Tornado , Denton, TX	-- 10
82.	1909 -- May 30, Tornado , Brown County, TX	-- 34
83.	1909 -- June 10, Tornadoes , Jones and Haskell Counties, TX	-- 10

⁶⁵⁷ There is overlap here with the calendar year 1879 report of 125 smallpox deaths in San Antonio.

Texas (continued)

84.	1909 -- June 11, Wind Storm, Haskell, Lueders, Sweetwater, Wichita Falls, TX	--11-12
85.	1909 -- July 21, Hurricane/Tropical Storm , Velasco, TX	-- 41
86.	1910 -- Jan-Feb especially, Smallpox , especially Bee and Denton Counties, TX	-- 67
87.	1910 -- July 29-30, Racial Rioting, Whites attack Blacks , Slocum, TX and vicinity	--18-28
88.	1911 -- Oct-Jun 1, 1912, Meningitis Epidemic , especially Dallas, Ft. Worth, Waco, TX--	393
89.	1911 -- Smallpox , especially El Paso County (25)	-- 51
90.	1911 -- Feb 8, Engine Boiler Explos. , MO, KS & TX Rail Roundhouse , Smithville, TX--	12
91.	1912 -- Smallpox , multiple locations, especially Tarrant County (≥ 59), TX	--126-128
92.	1912 -- Mar 18, Train Engine Boiler Explosion , So. Pacific Yard, San Antonio TX	-- 36
93.	1913 -- Dec 2-10, Texas Floods , Brazos, Other Valleys, Cent., East, Coast TX	177-190
94.	1915 -- Apr 23, Flash Flood , Austin, TX	-- 35
95.	1915 -- Aug 16-17, Hurricane , SE Coast, Islands, Mainland, Maritime, TX	--267-324
96.	1916 -- Diphtheria , especially children, TX	-- 306
97.	1916 -- Polio , especially children, Statewide, TX	-- 35
98.	1916 -- Feb 16, Gas Explos. , Opera House collapses on Hitt Restaurant, Mexia, TX	-- 9-10
99.	1916 -- Mar 06, Jail Fire , "El Holocausto," or the "Jail Holocaust," El Paso, TX	--18-30
100.	1916 -- Aug 16, Storm , Steamer <i>Admiral Clark</i> Founders off San Antonio, TX	-- 20
101.	1916 --Aug 18, Hurricane No. 6 , South TX, especially Corpus Christi, TX	--13-20
102.	1917 -- Aug 23, 24 th Infantry (Black)/ Camp Logan Mutiny/Racial Riot , Houston, TX--	20
103.	1917 -- Oct 10-March 8, 1918, Smallpox Epidemic, Eagle Pass, Maverick Co., TX	-- 33
104.	1918 -- Typhoid Fever (TX subset of 9,100 U.S. Typhoid Fever deaths) ⁶⁵⁸	--1,057
105.	1918 -- Jan 14, Train Derailment and Collision , Hammond, TX	-- 17
106.	1918, Sep-Dec, 1919 -- Influenza and Pneumonia Epidemic , TX	--15,271
	1918--Sep-Dec, Influenza and Pneumonia Epidemic, TX	--14,121
	1919--Jan-Dec, Influenza Epidemic, Dallas, El Paso, Houston, San Antonio--	1,150
107.	1919 -- Apr 08, Tornado , F4, Collin and Fannin Counties, TX	-- 18
108.	1919 -- Apr 09, Tornadoes , TX	-- 56
109.	1919 -- Sep 14, Hurricane , Aransas & Nueces Bays, esp. Corpus Christi vicinity--	600-1000
110.	1920 -- Influenza and Pneumonia , "registration" cities, TX	--1,384
111.	1921 -- Apr 13, Tornado , F4, Collin County, TX	-- 11
112.	1921 -- Apr 15, Tornadoes , Marion, Cass, Bowie Counties, TX	-- 10
113.	1921 -- Sep 6-7, Hurricane , South TX	-- 51
114.	1921 -- Sep 8-10, Flooding , "The Great Thrall/Taylor Storm," Central TX	--215-224
115.	1922 -- Apr 08, Tornado , F3, Runnels, Coleman and Callahan Counties, TX	-- 12
116.	1922 -- May 04, Tornado , Travis County, TX	-- 12
117.	1922 -- Dec 13, Trains Collide , Humble, TX	-- 22
118.	1923 -- May 09, Fire , J.K. Hughes Develop. Co, McKie Oil Well, Corsicana, TX	-- 12
119.	1923 -- May 14, Tornado , F5, Howard and Mitchell Counties, TX	-- 23
120.	1926 -- Apr 11, Maritime Explosion , Tanker <i>Gulf of Venezuela</i> , Port Arthur, TX	-- 26
121.	1927 -- Jan 22, Baylor Univ. Basketball Team Bus Hit by Train , Round Rock, TX--	10
122.	1927 -- Apr 12, Tornado , Rock Springs, (Edwards and Real Counties) TX	-- 74
123.	1927 -- May 09, Tornadoes , TX	-- 40
124.	1930 -- Jan 28, Edgar F. Coney Sinks/Storm , Gulf of Mex. ~70m off Sabine Pass TX--	14

⁶⁵⁸ Texas led the nation in typhoid fever deaths in 1918; number two was Pennsylvania with 924 deaths.

Texas (continued)

125.	1930 -- May 06, Tornadoes , TX	--	81
126.	1931 -- Measles , especially children (subset, 3,576 U.S. measles deaths), El Paso, TX--	20	
127.	1931 -- Polio , esp. July-Oct, (TX subset of 2,139-2,144 US polio deaths, esp. children)--	48	
128.	1932 -- Aug 13, Hurricane/Tropical Storm , Freeport, TX	--	40
129.	1933 -- March 30, Tornado outbreak, esp. Angelina, Shelby, San Augustine counties--	18	
130.	1933 -- Sep 05, Hurricane/Tropical Storm , Brownsville, TX	--	40
131.	1934 -- July 24-26, Hurricane , Rockport/Corpus Christi area, TX	--	19
132.	1934 -- Aug ~10-13, Heat Wave , TX (subset of 1,683 fatalities nationwide)	--	15
133.	1935 -- Feb 8, Tornado , Leon and Houston Counties, TX	--	12
134.	1937 -- March 18, Gas Explosion , Consolidated School, New London, TX	--294-298	
135.	1938 -- Jun 10, Tornado , F5, Callahan County, TX	--	14
136.	1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (TX subset of 1,997 US diphtheria deaths)-	188	
137.	1939 -- Influenza and Pneumonia (State subset, 99,097 U.S. flu/pneumonia deaths) --	5,346	
138.	1939 -- Malaria (TX subset of 1,761 malaria deaths nationwide) ⁶⁵⁹	--	170
139.	1939 -- Whooping Cough (TX subset of 3,026 whooping cough deaths nationwide)--	233	
140.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	42
141.	1940 -- Influenza and Pneumonia (State subset, 92,525 U.S. flu/pneumonia deaths) --	5,356	
142.	1940 -- Polio (TX subset of 1,026 polio deaths nationwide)	--	40
143.	1940 -- Tuberculosis (State subset of 55,576 tuberculosis deaths nationwide)	--	3,571
144.	1940 -- Whooping Cough (TX subset of 2,926 whooping cough deaths nationwide)--	250	
145.	1940 -- Mar 14, Train hits farm workers Truck at Highway 83 Crossing, Alamo, TX ⁶⁶⁰ --	29	
146.	1941 -- Measles , especially children (TX subset of 2,279 measles deaths nationwide)--	79	
147.	1941 -- Feb 07, Fire , Salvation Army Homeless Shelter/Lodging, Akard St., Dallas--	13	
148.	1942 -- Apr 28, Tornado , F4, Foard County, TX	--	11
149.	1943 -- Feb 26, Plane Crash , U.S. Army Air Force B-17, Biggs Field, El Paso, TX--	10	
150.	1943 -- Mar 22, Plane Crash , USAAF AT-18, Army Air Field, Harlingen, TX	--	10
151.	1943 -- Apr 26, Plane Crash , U.S. Army Air Force B-24D, near Ballinger, TX	--	10
152.	1943 -- May 07, Plane Crash , USAAF B-17F, Army Air Base, Dalhart, TX	--	11
153.	1943 -- May 13, Mid-Air Collision , USAAF B-24's, ~ Biggs Field, El Paso, TX	--	15
154.	1943 -- July 27, Tropical Hurricane , Southeastern TX	--	18
155.	1943 -- July 28, Plane Crash , USAAF B-24E, 12 mi. N Biggs Field, El Paso, TX	--	11
156.	1943 -- Aug 18, Plane Crash , USAAF B-24, Gulf of Mexico, off Corpus Christi, TX--	10	
157.	1943 -- Sep 07, Fire , The Gulf Motel, Houston, TX	--	54
158.	1943 -- Sep 10, Mid-Air Plane Collision , 2 USAAF B-17's, off Galveston, TX	--	22
159.	1944 -- Cerebrospinal Meningitis (TX subset 2,812 US cerebrospinal meningitis deaths)-	97	
160.	1944 -- Influenza (TX subset of 17,320 U.S. influenza deaths), esp. Jan-Apr, Dec	--	1,161
161.	1944 -- Measles, especially Jan-June (TX subset, 1,923 measles deaths nationwide)	--	181
162.	1944 -- Polio, the year, especially July-Nov, TX (1,070 polio deaths nationwide)	--	51
163.	1944 -- Whooping Cough (TX subset of 1,878 U.S. whooping cough deaths) ⁶⁶¹	--	95
164.	1944 -- Jan 13, Plane Crash , USAAF B-17F, near Army Air Field, Fort Worth, TX--	10	
165.	1944 -- Mar 20, Plane Crash , USAAF, RB-24E, near Biggs Field, El Paso, TX	--	10

⁶⁵⁹ In terms of the largest loss of life per State, TX was 4th behind AR with 265, MS with 235, and AL with 198.

⁶⁶⁰ Cross-listed in Rail.

⁶⁶¹ In terms of the largest loss of life per State, TX tied with PA for third, behind NC at 145 and VA with 102 deaths.

Texas (continued)

166.	1944 -- May 10, Plane Crash, USAAF , near Biggs Field, El Paso, TX	--	10
167.	1944 -- Oct 08, Plane Crash, USAAF B-29 , near Love Field, Dallas, TX	--	15
168.	1944 -- Nov 21, Vapor explosion after butane gas truck and car collide, Denison, TX--		10
169.	1945 -- Apr 16, Planes Collide, two USAAF AT-11's , near Big Spring, TX	--	10
170.	1945 -- Apr 20, USAAF C-47 Breakup/Crash , Thunderstorm, near Sweetwater, TX--		25
171.	1945 -- Apr 27, Plane Crash, U.S. Army Air Force C-46D , near Claude, TX	--	11
172.	1945 -- Jun 30, Plane Crash, USAAF B-29 (44-69943) , Guadalupe Peak, TX	--	12
173.	1945 -- July 14, Plane Crash, USAAF TB-25C , 1 mile NW of Weldon, TX	--	11
174.	1945 -- Aug 13, Planes Collide, two USAAF B-29s , near Weatherford, TX	--	18
175.	1945 -- Sep 01, USAAF B-24J takeoff crash , near Hondo Army Air Field, TX	--	10-12
176.	1945 -- Oct 18, Plane Fire/Crash, USAAF TB-24J , near Hondo Army AF, TX	--	13
177.	1945 -- Nov 08, Mid-Air Collision, US Navy , Corpus Christi Bay, TX	--	22
178.	1946 -- Polio , especially July-Nov, TX (1,845 polio deaths nationwide)	--	102
179.	1946 -- Jan 04, Tornado Outbreak, Nacogdoches and near Palestine, TX	--	30
180.	1946 -- June 21, Explosion (postulated as natural gas), Baker Hotel , Dallas, TX	--	10
181.	1947 -- Apr 09, Tornado , Gray, Roberts, Hemphill, Lipscomb Counties, TX	--	69
182.	1947 -- Apr 16, Ammonium Nitrate Explosion, Fire, Grandcamp , Texas City, TX-552-600		
183.	1947 -- Aug 05, Worker/Gasoline Trucks Collide and Burn , near Waxahachie, TX--		19
184.	1948 -- Polio , especially May-Dec with 177), TX (1,895 polio deaths nationwide)	--	190
185.	1949 -- Polio , especially July-Nov, TX (~2,725 polio deaths nationwide)	--	183
186.	1949 -- Nov 29, Plane Crash, American Air 157 , Dallas-Love Field, TX	--	28
187.	1950 -- Polio , especially July-Nov (TX subset of 1,904 polio deaths nationwide)	--	204
188.	1950 -- Dec 22, Fire, Walker Convalescent Home (for Elderly) , near Amarillo, TX--		10
189.	1951 -- Polio , especially July-Nov (TX subset of 1,551-1,555 US polio deaths	--	183
190.	1951 -- Jan 27-Feb 2, Cold Waves, Winter Storms, ice, sleet, snow , TX ⁶⁶²	--	24
191.	1951 -- Jun 03, Plane Crash, USAF , New Boston, TX	--	10
192.	1951 -- Sep 07, Flash Flood , San Antonio, TX	--	51
193.	1952 -- Polio , especially children, TX	--	313
194.	1952 -- Mar 12, Two USAF B-29's Collide , near Sequin and San Antonio, TX	--	15
195.	1952 -- Mar 21, USAF Consolidated Privateer Crash , off Corpus Christi NAS, TX--		10
196.	1952 -- Apr 1-10, Military Plane Crashes, Parachuting , "Exercise Longhorn," TX--		10
197.	1952 -- Aug 04, Head-on Greyhound Buses Collision/Fire , Waco, TX	--	28
198.	1953 -- Polio , especially children (TX subset of 1,450 polio deaths nationwide)	--	57
199.	1953 -- Mar 13, Tornado , F4, Haskell, Knox Counties, TX	--	17
200.	1953 -- May 11, Tornadoes , Tom Green, McLennan Counties (Waco), TX	--	127
201.	1953 -- May 17, Plane Crash, Delta Air Flight 318 , Marshall/Waskom, TX	--	19
202.	1953 -- July 17, USMC Plane Crash, Rice ROTC students killed , Milton, FL ⁶⁶³	--	10
203.	1954 -- June 26, Hurricane Alice , Brownsville, TX and vicinity	--	17
204.	1955 -- May 25, Plane Crash, USAF SAC B-36J , Sterling City, TX	--	15
205.	1956 -- July 29, Fire/Explosion, McKee tank farm , Shamrock Oil & Gas, Dumas, TX ⁶⁶⁴ -19		
206.	1957 -- Apr 02, Tornado , Dallas County, TX	--	10

⁶⁶² Subset of 175-200 deaths nationwide, with some reports of winter weather fatalities up to 350.

⁶⁶³ Rice is in Houston. There were 44 fatalities in all, including 23 students from the University of Oklahoma.

⁶⁶⁴ Cross-listed in Explosions and Fire. A fire was precipitating event – all deaths were due to the explosion.

Texas (continued)

207.	1957 -- May 15, Tornado, F4, Silverton, Briscoe County, TX	-- 21
208.	1957 -- Jun 27, Hurricane Audrey, schooner <i>Keturah</i> down off Galveston, 2 mainland--9-11	
209.	1957 -- Dec 09, Seaplane Explosion/Crash, Navy P5M Marlin, Corpus Christi, TX--9-10	
210.	1958 -- March 27, Plane Collision USAF 52-981A & 49-195A, Bridgeport, TX	-- 18
211.	1959 -- Sep 29, Plane Break-Up, Braniff Air Flight 542, near Buffalo, TX	-- 34
212.	1959 -- Nov 27, Capsizing, MV <i>National Pride</i> , off Coast of TX, near Galveston, TX--	11
213.	1960 -- Jun 23, Tropical Storm, Unnamed, Padre Island, TX	-- 15
214.	1961 -- Sep 11, Hurricane Carla and Tornadoes, Central Texas Coast	-- 34
215.	1961 -- Nov 07, Collision, M/V <i>Union Reliance</i> , M/V <i>Berean</i> , Houston Channel TX--	12
216.	1963 -- Sep 02, Two-Car Collision, TX State Highway 146 near Dayton, TX	-- 10
217.	1964 -- June 27-Oct 3, St. Louis Encephalitis Epidemic, Houston, TX	-- 33
218.	1965 -- June 11, Flash-Flood, Sanderson, TX	-- 24
219.	1966 -- Aug 01, Charles Whitman Killing Spree, Univ. TX-Austin Tower Sniper ⁶⁶⁵	16-17
220.	1967 -- Feb 15, Explosion, Lone Star Army Ammunition Plant, ~Texarkana, TX	-- 11
221.	1967 -- Sep 20-22, Hurricane Beulah, flooding, tornadoes, Brownsville & SW TX--	12-18
222.	1968 -- May 03, Turbulence/Crash, Braniff Air Flight 352, Near Dawson, TX	-- 85
223.	1969 -- Jan 5-18, A2 Hong Kong Influenza-Pneumonia Epidemic, TX ⁶⁶⁶	-- 165
224.	1970 -- Apr 18, Tornado, Swisher, Briscoe, Armstrong, Donley, Gray Co.'s, TX	-- 17
225.	1970 -- May 11, Tornado, F5, Lubbock, TX	-- 28
226.	1970 -- Aug 03, Hurricane Celia, South TX, especially Corpus Christi area	--11-12
227.	1972 -- Feb 01, Lightning, Gas Explosion, Tanker <i>V.A. Fogg</i> , off Galveston, TX	-- 39
228.	1975 -- Apr 30, Surtigas, S.A.LP Gas Tank Truck Wreck, Rt 277, Eagle Pass, TX	-- 19
229.	1976 -- Apr 15, Oil Platform <i>Ocean Express</i> Capsizes, Storm, Gulf of Mex. Off TX--	13
230.	1977 -- Dec 27, Explosion, Farmers Export Grain Elevator, Galveston, TX	-- 18
231.	1978 -- July 30-Aug 4, Tropical Storm Amelia & remnants, Flash Flooding, TX	--33-34
232.	1979 -- Apr 10, Tornadoes, Red River Valley (especially Wichita Falls), TX	--53-54
233.	1979 -- Summer (esp.) Heat (ICD-9, E900 excessive heat and hyperthermia code)	-- 15
234.	1979 -- Nov 1, tanker <i>Burmah Agate</i> collides with freighter <i>Mimosa</i> , Galveston, TX--	32
235.	1980 -- June-Aug (esp.) Heat, especially greater Dallas and Tarrant County, TX	-- 140
236.	1980 -- June 5, Central Texas Charter Tour Bus goes off Highway 7, ~Jasper, AR ⁶⁶⁷ --	20
237.	1981 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), TX--	23
238.	1981 -- May 24, Intense Rain, Flash Flood, Austin, TX	-- 13
239.	1982 -- Jan 11-13, Winter Weather, especially extreme cold and ice	-- 12
240.	1982 -- March 7, Fire, Westchase Hilton Hotel, Houston, TX	-- 12
241.	1982 -- April 2, Tornado, Lamar, Red River Counties, TX	-- 11
242.	1982 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 196--	≥28
243.	1982 -- July 28, Last Days Ministries sight-seeing takeoff Plane Crash, Lindale, TX--	12
244.	1983 -- Summer Heat, esp. July-Aug, 18 Counties, esp. Dallas/8 (subset of 596 deaths)--	35
245.	1983 -- Aug 18, Hurricane Alicia, Galveston, greater Houston & Southeast Texas	-- 21
246.	1983 -- Dec 23, Collision, Activity Bus/Semitrailer, near Devers, TX	-- 10
247.	1984 -- Summer Heat (ICD-9 E900 code, excessive heat/hyperthermia) subset of 228--	23

⁶⁶⁵ Whitman killed his wife and mother in Austin and then 14 people at the University, prior to his being killed.

⁶⁶⁶ Just CDC reporting cities of: Austin, Dallas, El Paso, Fort Worth, Houston, and San Antonio.

⁶⁶⁷ Cross-listed in Texas because the victims were from a group of elderly Texans on an Ozark Mts. tour.

Texas (continued)

248.	1985 -- Apr 27-28, Thunderstorms, Flash Flooding , Drownings (9), Tornadoes, TX--	10
249.	1985 -- Summer Heat (ICD-900 code for excessive heat/hyperthermia) subset of 227--	17
250.	1985 -- Aug 2, Delta Flight 191 Wind Shear Crash , Dallas-Fort Worth IAP, TX --	137
251.	1986 -- Summer Heat , TX (subset of >400 U.S. heat-related fatalities)	-- 38
252.	1987 -- May 22, Tornado , F4, Saragosa, Reeves County, TX	-- 30
253.	1987 -- Summer Heat , State substate of approximately 388 U.S. heat deaths ⁶⁶⁸	-- 23
254.	1987 -- July 02, Illegals die in 120-degree locked railroad car , Sierra Blanca, TX --	18
255.	1987 -- July 17, Flash Flood , Church Youth Bus & Van swept into river ~Comfort, TX--	10
256.	1987 -- Nov 15, Tornadoes , Anderson, Burleson, Cherokee, Madison, Smith counties--	10
257.	1988 -- Summer Heat , TX	-- 35
258.	1988 -- July 7, La Tienda Amigo Dept. Store Collapse , heavy rain, Brownsville, TX--	14
259.	1988 -- Aug 31, Delta Air flight 1141 takeoff crash/fire, Dallas/Fort Worth AP, TX--	14
260.	1989 -- Measles , especially children, Houston area	-- 10
261.	1989 -- Jan 31, Plane Crash , USAF SAC Tanker , Dyess AF Base, TX	-- 19
262.	1989 -- June-Aug (esp.), Heat , ICD-9 E900 code for excessive heat and hyperthermia--	23
263.	1989 -- June 26, Tropical Storm Allison , Southeast TX	-- 11
264.	1989 -- Aug 01, Hurricane Chantal , High Island, TX	-- 13
265.	1989 -- Oct 3, F/V Northumberland ruptures NG pipeline/explos./fire ~Sabine Pass, TX ⁶⁶⁹ --	11
266.	1989 -- Oct 23, Explosion , Phillips Petroleum Co., Pasadena, TX	-- 23
267.	1990 -- Summer esp., Heat , ICD-9 E900 excessive heat and hyperthermia code	-- 29
268.	1991 -- Summer (esp.), Heat , ICD-9 E900 excessive natural heat and hyperthermia	-- 25
269.	1991 -- Sep 11, Continental Express 2574 breakup and crash, near Eagle Lake, TX--	14
270.	1991 -- Oct 16, Violence, Rampage Shooting , Luby's Restaurant , Killeen, TX ⁶⁷⁰ --	23-24
271.	1992 -- Summer Heat , esp. July-Aug (TX subset of 155 U.S. heat deaths) ⁶⁷¹	-- 20
272.	1993 -- Feb 28, Shootout, Large ATF force attempts to serve David Koresh , Waco, TX ⁶⁷² --	10
273.	1993 -- April 19, FBI/ATF attack Branch Davidian Compound/fire near Waco, TX--	75
274.	1993 -- Summer esp., Heat (TX subset of 311 U.S. heat deaths)	-- 26
275.	1994 -- Summer esp., Heat (TX subset of 221 U.S. heat deaths) ⁶⁷³	-- 33
276.	1994 -- July 03, Tractor Trailer broadsides Pickup Truck near Snyder, west TX	-- 11
277.	1994 -- July 03, Tractor Trailer rear-ends Family Van , I-20, Weatherford, TX	-- 14
278.	1994 -- Oct 16-20 and 22, Flash Flooding/Flooding , esp. Southeast TX	--19-22
279.	1995 -- May 5, Th-Storm, Flash flooding , roof collapse, lightning, Dallas area, TX ⁶⁷⁴ --	20-24
280.	1995 -- Summer Heat (TX subset of 1,563-1,601 U.S. heat-related deaths)	-- 41
281.	1996 -- Summer (July 1-9 especially), Heat , especially Tarrant and Dallas counties	-- 39
282.	1997 -- May 27, Tornadoes , Jarrell (Williamson Co.); Lakeway (Travis Co.) TX	--28-29
283.	1997 -- Summer especially, Heat (TX subset of 182 U.S. heat deaths) ⁶⁷⁵	-- 22

⁶⁶⁸ Does not include the 18 illegal immigrants who died in 120° locked railroad car in Sierra Blanca noted below.

⁶⁶⁹ Cross-listed in Louisiana even though the explosion and fire took place on the Texas side of the border, in that most of the victims were Louisiana residents.

⁶⁷⁰ Twenty-three killed by the shooter, George Hennard, who killed himself after being wounded by police.

⁶⁷¹ TX had 2nd largest loss of life to heat in 1992, behind CA with 37.

⁶⁷² Four ATF agents and six Davidians. See 4-19-1993 for FBI/ATF attack, wherein 75 Davidians (25 children) died.

⁶⁷³ TX had 4th largest loss of life to heat in 1994, behind AZ with 47, CA with 33, and PA with 22.

⁶⁷⁴ Includes two lightning deaths and two crushing deaths when a building roof collapsed from weight of water.

⁶⁷⁵ TX had 4th largest number of heat deaths, behind PA with 36, IL with 29, and AZ with 23.

Texas Continued

284.	1998 -- Summer Heat , especially July, esp. Dallas and Harris counties, TX	-- 120
285.	1998 -- Aug 21-24, Tropical Storm Charley , SW, Central TX, esp. Del Rio, TX	--16-19
286.	1998 -- Oct 17-18, Flash Floods , Central TX	-- 29
287.	1999 -- Summer, Heat , esp. Harris County, TX (subset of 1,050 US heat deaths)	-- 42
288.	1999 -- Nov 17, Bonfire Collapse , Texas A&M University, College Station, TX	-- 12
289.	2000 -- Spring-Summer, Heat , TX (subset of 333 U.S. heat-related fatalities)	-- 77
290.	2000 -- Dec 25-27, Snow and Ice Storm , especially North Texas	-- 22
291.	2001 -- June 8-10, Tropical Storm Allison Flooding , especially Houston, TX ⁶⁷⁶	--23-24
292.	2001 -- Summer esp., Heat , esp. Harris Co., TX (subset of 378 U.S. heat fatalities)	-- 26
293.	2002 -- Summer Heat (TX subset of 471 U.S. heat-related deaths)	-- 39
294.	2003 -- May 13-14 Illegal immigrants suffocate , hot/airless milk trailer, Victoria, TX--	19
295.	2003 -- May 30-Sep 15 esp., Heat , esp. counties of El Paso (10) and Harris (6)	-- 63
296.	2004 -- Summer especially, Heat , TX (subset of 295 U.S. heat-related deaths)	-- 53
297.	2004 -- Sep 20, Tractor-trailer crosses median, hits Pickup and SUV , ~Sherman, TX--	10
298.	2005 -- Mar 23, Explosion , Texas City BP Refinery, Texas City, TX	-- 15
299.	2005 -- Summer (esp.), Heat , esp. Harris, Montgomery, Dimmit, Webb counties	-- 112
300.	2005 -- Sep 23-25, Hurricane Rita , (esp. Harris Co., mostly evacuation-related)	--105-118
301.	2006 -- Mar 12, Wildfire (fire/evac. accidents, 7 direct 5 indirect), Northeastern TX--	12
302.	2006 -- June-Aug esp., Heat , esp. counties of Brooks (19), Dimmit (16) Harris (7)	-- 106
303.	2007 -- June-Aug esp., Heat , esp. Brooks, Dimmit, Harris, El Paso Counties, TX	-- 43
304.	2007 -- Aug 16-18, Tropical Storm Erin , Lamar, TX landfall	--10-11
305.	2008 -- June-Aug especially, Heat , (TX subset of 311-312 U.S. heat-related deaths)	-- 66
306.	2008 -- Aug 8, Chartered Tour Bus Crash off Bridge, U.S. Highway 75, Sherman, TX--	17
307.	2008 -- Sep 13, Hurricane Ike , esp. Galveston and Harris Counties, TX	--50-51
308.	2009 -- Nov 05, Violence, Mass Killing, Fort Hood , TX	-- 13
309.	2009 -- Summer Heat (June 23-Sep 28), multiple counties, TX (subset of 402 U.S.)	-- 47
310.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	-- 231
311.	2010 -- Summer Heat (TX subset of 627 U.S. heat-related fatalities)	-- 65
312.	2011 -- March 8-Summer Heat , esp. Dallas area (subset of 719-725 US heat deaths)--	126
313.	2012 -- Summer Heat (TX subset of 598 heat-related deaths nationwide)	-- 40
314.	2012 -- July 22, Pickup Truck with 23 illegals crashes, US Highway 59 ~Goliad, TX--	14
315.	2013 -- Apr 17, Explosion , Adair Grain and West Fertilizer Co., West, TX	-- 15
316.	2013 -- Summer Heat, TX	-- 36
317.	2014 -- Summer Heat, TX	-- 26
318.	2015 -- Jan 14, TX Corrections Dept. Prison Bus skids off icy I-20, hits Train ~Penwell, TX--	10
319.	2015 -- May 21-26, Storms, Heavy Rain, Flooding , esp. Hays and Harris counties	-- 30
320.	2015 -- June-Sep 8, Heat, TX	-- 10
321.	2015 -- Dec 26, Tornadoes , north TX, Blue Ridge, Copeville, and esp. Garland, TX--	11
322.	2016 -- May 26-June 2, Flash Flooding/Flooding , esp. Fort Hood (June 2), TX	-- 16
323.	2015 -- Summer Heat , (subset of 339 US heat deaths) ⁶⁷⁷	-- 38
324.	2016 -- July 30, hot air balloon hits power lines/burns/crashes , near Lockhart TX	-- 16
325.	2017 -- March 29, Pickup truck hits church bus head-on , Hwy 83 near Concan, TX--	13

⁶⁷⁶ The range has to do with uncertainty if one Harris County "Heat Exposure" death has to do with power outage.

⁶⁷⁷ Tied with CA for 3rd largest loss of life to excessive natural heat. AZ led with 58, followed by TN with 47 deaths.

326.	2017 -- July 23, Migrants die , hot semi trailer found in parking lot, San Antonio, TX--	10
327.	2017 -- Aug 25-30, Hurricane/Tropical Storm Harvey , Southeast TX, esp. Houston--	≥88
328.	2017 -- Nov 5, Mass Shooting, First Baptist Church , Sutherland Springs, TX --	26

Texas Select Other Loss of Life Events:

1801-1802 -- Smallpox , Native Americans ⁶⁷⁸	--	?
1860 -- Croup (contagious upper airway viral infection), TX subset, 15,188 US deaths	--	298
1860 -- Scarlet Fever (TX subset of 26,402 deaths in 38 Census States & DC)	--	221
1860 -- Whooping Cough (TX subset of 8,408 whooping cough deaths nationwide)	--	154
1870 -- Tuberculosis (Consumption) (TX subset of ~70,000 TB deaths nationwide)	--	680
1870 -- Typhoid Fever (TX subset of 22,187 typhoid fever deaths nationwide)	--	464
1870 -- Typhus (TX subset of 1,770 typhus deaths nationwide)	--	16
1870 -- Whooping Cough (TX subset of 9,008 whooping cough deaths nationwide)	--	207
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	641
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	223
1879 -- June-May 1880, Meningitis (TX subset of 7,481 meningitis deaths nationwide)	--	107
1879 -- June-May 1880, Scarlet Fever , esp. children (TX subset, 16,388 U.S. S.F. deaths)--	83	
1879 -- June-May 1880, Tuberculosis (TX subset of 91,270 TB deaths nationwide)	--	1,602
1890 -- Typhoid Fever , Galveston, San Antonio (subset of ~30,000 deaths nationwide)	--	42
1890 -- Jan, Influenza (La Grippe/Russian Flu), San Antonio, TX	--	75
1898 -- Typhoid Fever (TX subset of >3,300 deaths), Dallas and 1 st and 2 nd TX Vols.	--	31
1900 -- Tuberculosis (34,169 TX deaths all causes) (109,750 US TB deaths)	--	2,951
1909 -- May 17, Hailstorm , near Uvalde, TX	--	1
1911 -- Oct, Tuberculosis , TX	--	256
1912 -- Jan, Tuberculosis , TX	--	303
1912 -- Oct 30, Fire, St. John's Orphanage , San Antonio, TX	--	7-8
1916 -- Mar 26, Fire, San Antonio Country Club , San Antonio, TX	--	6
1920 -- Malaria (there were 3,136 malaria deaths in 34 registration states) ⁶⁷⁹	--	104
1931 -- Diphtheria , Dallas, El Paso, Fort Worth, Houston, San Antonio, TX	--	72
1931 -- Influenza , Dallas, El Paso, Fort Worth, Houston, San Antonio (31,701 US deaths)--	382	
1937 -- Oct 6-Oct 20, Elixir Sulfanilamide medicine unintentional poisoning	--	7-9
1939 -- Tuberculosis (TX subset of 61,609 tuberculosis deaths nationwide)	--	3,684
1944 -- Tuberculosis (TX subset of 54,731 tuberculosis deaths nationwide)	--	3,126
1950 -- Measles , especially children (TX subset of 468 measles deaths nationwide)	--	14
1976 -- May 11, Hazardous Materials Truck Tanker Wreck , I-610, Houston, TX	--	6
1980 -- Aug 6-10, Hurricane Allen , south Texas coastal area (Galveston, Corpus Christi)--	7	
1985 -- Jan 12-13, West and South-Central Snowstorm	--	5
1985 -- Jan 19-23, Winter weather, exposure/hypothermia	--	2-8
1985 -- Dec 31, Plane Fire/Crash (Ricky Nelson) , Century Equip. C-47, ~DeKalb, TX	--	7
1986 -- Measles (ICD-9 056 (rubella) code; subset of 3 US measles deaths in 1986)	--	1
1989 -- Dec 22-24, Cold Wave (hypothermia and weather-related fire deaths)	--	6

⁶⁷⁸ We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

⁶⁷⁹ Though TX was not a registration state, Beaumont, Dallas, El Paso, Galveston, Houston, San Antonio reported.

2000 -- March 29, Hailstorm , man hit in head by softball-sized hail, Fort Worth, TX	--	1
2001 -- Sep 15, Queen Isabella Causeway Collapse , Port Isabel, TX	--	8
2003 -- Feb 01, Columbia Space Shuttle Re-entry Break-up over TX	--	7
2004 -- Jun 28, Union Pacific Train Crash , Fatal Chlorine Release, Macdona, TX	--	3
2007 -- Jan 12-15, Ice and Winter Storm , TX (subset of 69 deaths in 9 States)	--	7
2009 -- Jan 26-28, Ice and Snow Storms , TX (subset of 91 deaths in 12 States)	--	7
2014 -- Feb 11, Winter Weather, vehicular accidents , Dallas, Tom Green Co., elsewhere--	7	
2015 -- May 17, Violence, Biker-Gangs/Police Shoot-Out at Twin Peaks restaurant, Waco, TX--	9	

Breakout of **Texas** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 63 -- **Disease**, select communicable, especially epidemics. (Plus 27 in “Other.”)
- 41 -- **Tornadoes**.
- 40 -- **Heat**.
- 40 -- **Hurricanes and Tropical Storms**. (Plus one with 7 fatalities in “Other.”)
- 39 -- **Aviation**. (Plus two with 7 fatalities each in “Other.”)
- 22 -- **Violence**. (Plus one with 9 deaths in 2015 in “Other.”)
- 21 -- **Flooding**.
- 17 -- **Maritime/In-Land Water Craft**.
- 17 -- **Road/Highway – Vehicular**. (Includes a Flash Flood cross-listing.)
- 11 -- **Explosions, facilities/pipelines**.⁶⁸⁰
- 9 -- **Rail**. (Plus one Hazardous Material accident with 3 deaths in “Other.”)
- 8 -- **Fire-Structural**. (Plus two -- one with 7-8 and one with 6 fatalities in “Other.”)
- 4 -- **Structural Failures**.
- 4 -- **Wind Storms/Severe Thunderstorms**. (Two are cross-listed – flooding, tornado.)
- 3 -- **Winter Storms**: (Plus 6 <10 deaths: one with 5, two with 6, two with 7, 1 with 2-8 dead.)
- 1 -- **Wildfire/Forest Fire/Prairie Fire**.
- 0 -- **Hail**. (Two hailstorms >10 deaths: 1 death in 1909, 1 death 3-39-2000, Fort Worth.)
- 0 -- **Poisoning (unintentional)**. (7-9 Elixir Sulfanilamide medicine poisoning deaths in 1937.)

⁶⁸⁰ One of these, the Texas City ammonium nitrate explosion, on the ship *Grandcamp* April 16, 1947, is cross-listed here in facilities explosions and in Maritime events because it was not an explosion while under way, but docked at a pier and led to large loss of life on shore. Within Aviation, Maritime and Rail typologies are other explosions.

UT

Utah

1.	1849 -- Summer-Autumn, Cholera	--	76
2.	1857 -- Sep 11, Mt. Meadows Massacre , Mormons/Paiutes attack Wagon Train, UT-120-140		
3.	1863 -- Jan 29, Massacre at Shoshoni Village , Bear River, UT Territory	--	384
4.	1867 -- Avalanche , Mining Camps, Wasatch Range, Alta, UT	--	60-65
5.	1879 -- June-May 1880, Typhoid Fever (UT subset of 23,339 U.S. Typhoid deaths)	--	55
6.	1883 -- Jan 30, Avalanche , American Fork Canyon, UT	--	10
7.	1884 -- Mar 07, Avalanche , New Emma Mine, Alta, Little Cottonwood, UT	--	12
8.	1885 -- Feb 13, Avalanche , Alta, UT	--	30
9.	1890 -- Typhoid Fever (UT subset of ~30,000 typhoid deaths nationwide)	--	98
10.	1900 -- Typhoid Fever (UT subset of 35,379 typhoid fever deaths nationwide)	--	73
11.	1900 -- May 01, Coal Mine Explosion , Winter Quarters 1 & 4, Scofield, UT	--	200-246
12.	1902 -- July 15, Daly-West lead/silver mine explosion/asphyxiations , Park City, UT--		34
13.	1907 -- Typhoid Fever , Salt Lake City (subset of ~13,000 deaths nationwide)	--	58
14.	1910 -- Jun 01, Quarry Explosion , Union Limestone Quarry, Devils Slide, UT	--	25
15.	1914 -- Sep 17, Mine Cave-in , Centennial-Eureka Gold Mine, Eureka, UT	--	11
16.	1918-1919 -- Influenza and Pneumonia Epidemic , UT	--	2,859-3,313
	1918 -- Influenza and Pneumonia Epidemic, UT	--	1,828-2,282
	1919 -- Influenza and Pneumonia Epidemic, UT	--	1,031
17.	1920 -- Smallpox (UT subset of 508 smallpox deaths reported in 34 registration states)--		13
18.	1920 -- Whooping Cough (subset, 10,968 whooping cough deaths, 34 reg. states) ⁶⁸¹	--	112
19.	1921 -- Jun 12, Lightning, Gasoline Storage Tank Explosion , Salt Lake City, UT	--	15
20.	1924 -- Mar 08, Mine Fire/Explosion , Castle Gate #2 Mine, Castle Gate, UT	--	172
21.	1926 -- Feb 17, Avalanche , Sap Gulch, Bingham, UT	--	40
22.	1930 -- Feb 06, Mine Explosion , Standard Coal Mine, Standardville, UT	--	23
23.	1937 -- Oct 17, Plane Crash, United Airlines 1 Transport , Humpy Ridge, UT	--	19
24.	1938 -- Dec 01, RR Crossing crash, Train hits Jordan High School Bus , Midvale, UT--		26
25.	1940 -- Nov 04, Plane Crash, United Air NC16086 , Centerville, UT	--	10
26.	1942 -- May 01, Plane Crash, United Air NC18146 , Salt Lake City, UT	--	17
27.	1942 -- Dec 15, Plane Crash, Western Airlines NC16060 Fairfield, UT	--	17
28.	1943 -- Aug 29, Plane Crash, USAAF B-24E , near Wendover Field, UT	--	10
29.	1943 -- Dec 29, Planes Collide, 2 USAAF B-24's , Box Elder Ct., near Lakeside, UT	--	25
30.	1944 -- Dec 31, Fog, Southern Pacific mail-express hits passenger train , ~Bagley, UT--		48
31.	1945 -- May 09, Coal Mine Explosion , No. 1 Coal Mine, Sunnyside, UT	--	23
32.	1947 -- Oct 24, Plane Crash United Flight 608 , Bryce Canyon Airport, UT	--	52
33.	1951 -- Polio , especially July-Nov, UT (1,551-1,555 polio deaths nationwide)	--	43
34.	1963 -- Jun 10, Brakes fail, Boy Scouts in Truck goes off hill , ~Hole-in-the-Wall, UT--		13
35.	1963 -- Aug 27, Texas Gulf Sulfur Co., Potash Mine Gas Explosion , near Moab, UT--		18
36.	1965 -- Nov 11, Plane Crash on approach, United 227 , Salt Lake City Airport, UT	--	43
37.	1965 -- Nov 27, Plane Crash, Edde Airlines N485 , Salt Lake City, UT	--	13
38.	1980 -- Dec 18, Fire, Avalon Apartment Building , Salt Lake City, UT	--	12
39.	1984 -- Dec 19, Mine Fire , Emery Mining, Wilberg Mine Orangeville, UT	--	27
40.	1987 -- Jan 15, Plane Crash, Sky West N163SW , Salt Lake City, UT	--	10
41.	2008 -- Aug 22, Plane Crash, Red Canyon Aesthetics & Medical Spa plane ~Moab, UT10		

⁶⁸¹ At 24.7 deaths per 100,000 pop., UT had 2nd highest death rate for whooping cough. CO had 26.4; avg. was 12.5.

42. 2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	48
43. 2015 -- Sep 14, Flash Flood ; Hildale & Keyhole Canyon, Zion National Park, UT	--	21

Utah Select Other Loss of Life Events:

1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	23
1870 -- Tuberculosis (Consumption) (Utah subset of ~70,000 TB deaths nationwide)	--	63
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	71
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	737
1879 -- June-May 1880, Measles , especially children (UT subset, 8,254 U.S. measles deaths)	--	24
1879 -- June-May 1880, Scarlet Fever , esp. children (UT subset, 16,388 U.S. S.F. deaths)	--	25
1900 -- Tuberculosis (3,079 UT deaths all causes) (109,750 US TB deaths)	--	143
1906 -- Jan 20, Avalanche , Alta Mining Camp, Salt Lake, UT	--	7
1918 -- Typhoid Fever (UT subset of 9,100 U.S. Typhoid Fever deaths)	--	39
1920 -- Diphtheria & Croup (UT subset of 13,395 deaths in 34 registration states)	--	33
1920 -- Influenza and Pneumonia , UT	--	414
1920 -- Measles (UT subset of 7,712 measles deaths in 34 registration states)	--	16
1920 -- Scarlet Fever (UT subset of 4,004 scarlet fever deaths in 34 registration states)	--	7
1920 -- Typhoid Fever (UT subset of 6,805 typhoid fever deaths, 34 registration states)	--	31
1927 -- Polio (acute) esp. late Summer and Fall (UT subset, 2,013 U.S. polio deaths)	--	22
1931 -- "Epidemic Cerebrospinal Meningitis " (UT subset, 2,832 US meningitis deaths)	--	51
1931 -- Influenza (UT subset of 31,701 influenza deaths nationwide)	--	105
1940 -- Whooping Cough (UT subset of 2,926 whooping cough deaths nationwide)	--	11
1944 -- Cerebrospinal Meningitis , UT (2,812 cerebrospinal meningitis deaths nationwide)	--	16
1944 -- Feb 07, Plane Crash, USAAF Consolidated B24 , 8 miles NW Wendover Field	--	9
1945 -- July 08, U.S. Army guard machine-guns sleeping German POWs , Salina, UT	--	9
1950 -- July 16, Fire, lead and zinc smelting plant, Lark, UT	--	5
1952 -- Polio , especially children, especially Salt Lake City, UT	--	11
1953 -- Polio (UT subset of 1,450 polio deaths nationwide)	--	12
1963 -- Dec 16, Coal mine explosion in No. 2 shaft of Carbon Fuel mine , Helper, UT	--	9
1971 -- Sep 15, Fire/Suffocation, Lil-Haven Nursing Home, Salt Lake City, UT	--	6
1991 -- Jan 18, Three Fans Crushed to Death, AC/DC Concert , Salt Lake, UT	--	3
1992 -- Sep 23, Lightning , Juab County, UT	--	2
2007 -- Aug 6, Crandall Canyon Coal Mine Wall Collapse (3 rescuers die Aug 16), Emery Co., UT	--	9
2008 -- Jan 6, Motorcoach runs off road , rolls over, U.S. Rt. 163, Mexican Hat, UT	--	9
2013 -- July 3-4, 22, Aug 15, Heat , Capital Reef Nat. Park, Coyote Buttes, Spooky Gulch, UT	--	5

Breakout of **Utah** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 11 -- **Aviation**. (Plus one with 9 fatalities in "Other.")
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 20 in "Other.")
- 9 -- **Mines and Quarries** (Plus two with 9 deaths each -- 1963 and 2007.)
- 5 -- **Avalanche**. (Plus one with 7 fatalities in "Other.")
- 2 -- **Rail**.
- 2 -- **Vehicular/Road/Highway**
- 2 -- **Violence**. (Plus two -- one event with 9 fatalities and crushing event with 3 in "Other.")

- 1 – **Explosion**
- 1 – **Fire, structural**. (Plus 2 events <10 deaths: 5 in 1950 and 6 in 1971.)
- 1 – **Flooding**
- 1 – **Lightning**. (Sets off explosion; plus one event with 2 fatalities.)
- 1 -- **Rail**.
- 0 – **Heat**. (But **one** with 5 deaths in 2013 in “Other.”)

VT

Vermont

1.	1830 – July 26, Flooding , Middlebury, New Haven and Lincoln, VT	--	14
2.	1832 -- June 17-Aug 24, Cholera , especially Burlington, VT	--	10
3.	1849 -- Summer-Autumn, Cholera , VT	--	30
4.	1860 -- Smallpox (VT subset of 1,263-1,271 smallpox deaths in reporting States)	--	11
5.	1860 -- Typhoid Fever (subset of 19,236 deaths in 38 “registration” States and DC)	--	210
6.	1867 – Dec 11, Train goes into River , Central VT Railroad, near Northfield, VT	--15-20	
7.	1887 – Feb 05, Train Derails/Burns , Woodstock Bridge, White River, ~Hartford, VT--	>40	
8.	1870 -- Typhoid Fever (VT subset of 22,187 typhoid fever deaths nationwide)	--	221
9.	1879 -- June-May 1880, Typhoid Fever (VT subset of 23,339 U.S. Typhoid deaths)	--	118
10.	1890 -- Typhoid Fever (VT subset of ~30,000 typhoid deaths nationwide)	--120-123	
11.	1894 – Mid-Jun-Aug, Polio Outbreak, esp. children, esp. Rutland & Wallingford ⁶⁸²	--	18
12.	1905 – Oct 06, Rock-fall , Vermont Slate Co. Briar Hill Quarry , Pawlet, VT	--	8-10
13.	1908 – Oct 07, Explosion and Fire , Grain Elevator, Richford, VT	--	17
14.	1909 – Oct 30, Fire, Business District , St. Johnsbury, VT	--10-11	
15.	1914 – July-Oct, Polio , especially children, VT ⁶⁸³	--	53
16.	1918-1919 – Influenza and Pneumonia Epidemic , VT	--2,228-2,319	
	1918 – Influenza and Pneumonia Epidemic, VT	--1,709-1,800	
	1919 – Influenza and Pneumonia Epidemic, VT	--	519
17.	1918 – Jun 05, Trains Collide , near Burlington, VT	--	10
18.	1920 – Mar 14, Trains Collide , near Riverside, VT	--	10
19.	1924 – Feb 15, Fire, Lawrence Building , Main Street, Montpelier, VT	--	11
20.	1927 – Nov 04, Flooding , New England, Winooski River, VT	--	85
21.	1947 – June 14, USAAF B-29 Plane Crash , Hawks Mountain, VT	--	12

Vermont Select Other Loss of Life Events:

1860 --	Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	78
1860 --	Measles (VT subset of 3,900 measles deaths nationwide)	--	10
1860 --	Scarlet Fever (VT subset of 26,402 deaths in 38 Census States & DC)	--	244
1860 --	Tuberculosis (Consumption) (VT subset of 49,082 death nationwide) ⁶⁸⁴	--	779
1860 --	Whooping Cough (VT subset of 8,408 whooping cough deaths nationwide)	--	32
1870 --	Tuberculosis (Consumption) (VT subset of ~70,000 TB deaths nationwide)	--	715
1879 --	June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	60
1879 --	June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	296
1879 --	June-May 1880, “ Malarial Fever ,” (VT subset, 20,231 such deaths nationwide)	--	30
1879 --	June-May 1880, Measles , esp. children (VT subset, 8,254 U.S. measles deaths)	--	49
1879 --	June-May 1880, Meningitis (VT subset of 7,481 meningitis deaths nationwide)	--	25
1879 --	June-May 1880, Scarlet Fever , esp. children (VT subset, 16,388 U.S. S.F. deaths)--		65

⁶⁸² This was the first recorded incidence of polio in the U.S. in epidemic form. The striking down of so many children in such a sparsely populated rural community over a fairly short time-span by a mysterious malady which left many survivors paralyzed, was viewed with alarm and reported in the *Boston Daily Globe* and elsewhere.

⁶⁸³ Dr. C. S. Caverly, VT Dept. of Health, wrote in 1916 that “The epidemic of 1914, in the number of cases [over 300 paralytic cases], as well as in mortality, was the severest that has ever occurred in the state.”

⁶⁸⁴ Was the leading reported cause of death in the State and in the U.S. in 1860.

Vermont (continued)

1879 -- June-May 1880, Tuberculosis (VT subset of 91,270 TB deaths nationwide)	--	813
1890 -- Diphtheria and Croup (VT subset of 41,677 diphtheria and croup deaths, U.S.)	--	231
1898 -- Typhoid Fever (VT subset of >3,300 deaths), First VT Vol. Infantry, US Camps	--	22
1900 -- Tuberculosis (5,829 VT deaths all causes) (109,750 US TB deaths)	--	524
1900 -- Typhoid Fever (VT subset of 35,379 typhoid fever deaths nationwide)	--	107
1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	--	8
1907 -- Influenza (VT subset of over 10,066 deaths in “registration” areas) ⁶⁸⁵	--	181
1910 -- Polio , especially children, Statewide, VT	--	10
1915 -- Aug-Nov, Polio , especially children (VT subset of 311 polio deaths nationwide)	--	17
1916 -- Diphtheria , especially children, VT	--	23
1916 -- Polio , esp. Aug-Oct, esp. children, multiple places, VT (~6,700-7,000 US deaths)	--	12
1917 -- Polio , esp. June-Sep, especially children (VT subset, ≥1,182 U.S. polio deaths)	--	18
1918 -- Typhoid Fever (VT subset of 9,100 U.S. Typhoid Fever deaths)	--	31
1920 -- Diphtheria & Croup (VT subset of 13,395 deaths in 34 registration states)	--	24
1920 -- Influenza and Pneumonia Epidemic , VT	--	124
1920 -- Measles (VT subset of 7,712 measles deaths in 34 registration states)	--	18
1920 -- Scarlet Fever (VT subset of 4,004 scarlet fever deaths in 34 registration states)	--	15
1920 -- Typhoid Fever (VT subset of 6,805 typhoid fever deaths, 34 registration states)	--	37
1920 -- Whooping Cough (VT subset, 10,968 whooping cough deaths in 34 reg. states)	--	27
1921 -- Polio (Acute) esp. late Summer-Fall (VT subset, 1,597 U.S. polio deaths)	--	10
1931 -- Influenza (VT subset of 31,701 influenza deaths nationwide)	--	102
1931 -- Polio , esp. July-Oct, (VT subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	10
1939 -- Whooping Cough (VT subset of 3,026 whooping cough deaths nationwide)	--	19

Breakout of Vermont Large-Loss-of Life Events (10 or more fatalities) by Type:

- 10 -- **Diseases**, select communicable, especially epidemics. (Plus 34 in “Other.”)
- 4 -- **Rail**.
- 3 -- **Fire, structural**. (Includes cross-listing of the 1908 Grain Elevator Explosion.)
- 2 -- **Flooding**
- 1 -- **Aviation**
- 1 -- **Explosion**
- 1 -- **Landslide/Rock-fall**.
- 1 -- **Mining/Quarrying**. (Cross-listed with Landslide/Rock-fall.)
- 0 -- **Heat**. (Though there were 8 heat deaths in 1901.)

⁶⁸⁵ With death rate of 51.5 per 100,000 population, this was the highest death rate of all “registration” States.

VA

Virginia

1. 1609-1610 -- Winter weather, Starvation, Disease, Attack, Jamestown Colony, VA -- ~400
2. 1616 -- George Yeardley, Dep. Governor Virginia Colony, Attacks Chickahominy --12-40
3. 1622 -- Mar 22, Jamestown Massacre, Jamestown Colony, VA, -- 347
4. 1623 -- May 12, Cpt. Tucker VA party poison/kill Powhatans, Patowomeck, VA--150-200
5. 1644 -- Apr 18, Native Massacre of English Colonists along James River, VA --300-400
6. 1675 -- July or Sep, VA Militiamen looking for Doeg Natives Kill Susquehannocks, VA--14
7. 1677 -- Leaders of Bacon's Rebellion are Hanged in VA --22-23
8. 1747 -- Sep 15, Hurricane, Immigrants Ship sunk Rappahannock River, VA -- >50
9. 1771 -- May 27, Flooding, Richmond and Henrico County, VA -- ~150
10. 1793 -- Influenza Epidemic, 5 counties, 4 week period, VA -- 500
11. 1800 -- Yellow Fever Outbreak, Norfolk, VA -- 250
12. 1800 -- Aug 30, Gabriel's Rebellion/Slave Uprising/Mass Hanging, Richmond, VA-- 35
13. 1811 -- Dec 26, Theatre Fire, Richmond, VA --61-75
14. 1831 -- Aug, Slave Insurrection (Nat Turner), VA (Southampton Co.) & NC Border-- 55
15. 1832 -- Jul 24-Nov 6, Cholera, esp. Norfolk, Portsmouth, Richmond, VA --1,133-1,249
16. 1834 -- Esp. Oct-Nov, Cholera, especially Petersburg, VA -- 30
17. 1837 -- Aug 11, Trains Collide, Portsmouth & Roanoke Line, near Suffolk, VA -- 13
18. 1844 -- June 15, Coal Mine Explosion, Black Heath Coal Mine, Richmond, VA -- 11
19. 1849 -- Summer-Autumn (especially), Cholera, VA -- 749
20. 1853 -- Yellow Fever Epidemic, Norfolk, VA --1,600
21. 1854 -- May 19, Coal Mine Explosion, Chesterfield Coal Mine, New Richmond, VA -- 19
22. 1854 -- Jun 19-Aug, Cholera, esp. Blue Ridge Tunnel ~Afton Mt./Richmond/Scottsville-325
23. 1855 -- Yellow Fever, Norfolk and Portsmouth, VA --3,000
24. 1855 -- Mar 19, Coal Mine Explosion, Midlothian Coal Mine, Coalfield, VA -- 55
25. 1857 -- Sep 11/12, Hurricane, Steamer Central America Founders, Off VA Coast--400-427
26. 1859 -- Oct 16-18, John Brown Insurrection, Harper's Ferry, VA -- 20
27. 1860 -- Typhoid Fever (subset of 19,236 deaths in 38 "registration" States and DC --1,036
28. 1862 -- Aug 13, USS George Peabody & West Point Collide, Potomac River, VA --70-76
29. 1863 -- Mar 13, Explosion, Confederate States Ordnance Lab., Brown's Isl., Richmond, VA-46-50
30. 1863 -- Nov 30, Coal Mine Explosion, Raccoon mine, Clover Hill, Winterpock, VA -- 17
31. 1863 -- Smallpox, especially Prisoner-of-War Camps and in Richmond, VA⁶⁸⁶ -- >14
32. 1864 -- Smallpox, especially Smallpox Hospitals, greater Alexandria, VA -- 112
33. 1864 -- July 30, Federal Powder Explosion underneath Rebel Redoubt, Petersburg, VA-- 278
34. 1864 -- July 30, Rebels kill wounded/surrendered/trapped black soldiers, Petersburg, VA~500
35. 1864 -- Aug 19, Rebels kill Fifth MI Cavalry soldiers after surrender ~Berryville, VA>10
36. 1864 -- Oct 03, Confederates murder wounded Union soldiers, Saltville, VA --24-70
37. 1866 -- Aug 15, Sep 1-11, 13, Cholera Outbreak, Richmond, VA -- 37
38. 1867 -- Apr 03, Mine explosion, Bright Hope Mine, Chesterfield Co., Winterpock VA-69-75
39. 1870 -- Measles (VA subset of 9,237 measles deaths nationwide)⁶⁸⁷ -- 407
40. 1870 -- Apr 29, Structural Failure, Court House Gallery Collapse, Richmond, VA -- ~60
41. 1870 -- Dec 25, Fire, Spotswood Hotel, Richmond, VA -- 9-12

⁶⁸⁶ Fourteen represents only the small number of specific deaths we note. We suspect the number should probably be reckoned in the dozens, scores, or even hundreds, particularly in Richmond and in the Belle Isle Prison Camp.

⁶⁸⁷ In terms of largest loss of life per State, VA was 6th behind NY/1,073, MO/860, IL/702, OH/621, and PA/554.

Virginia (continued)

42.	1873 -- Aug 08, Steamer Wawaset Burns , Potomac River, off Aquia Creek, VA	--15-75
43.	1875 -- July 06, Steamer Isaac Bell & tug Lumberman Collide , Hampton Roads, VA--	10
44.	1876 -- Mar 06, Bridge Fails under Train , Valley Div., B&O, Shenandoah Co., VA	-- 15
45.	1878 -- Oct 23, Hurricane, A.S. Davis Grounds near Virginia Beach, VA	-- 19
46.	1879 -- Aug 18, Hurricane, Maritime Disaster , esp. Schooner Stephen Bennett	-- 19
47.	1881 -- Mar 26-Dec 24, Smallpox , Richmond, VA	-- 148
48.	1881 -- Dec 26, Steamer West Point Gas Explosion/Fire , York River, VA	-- 19
49.	1882 -- Jan-June especially, Smallpox , especially Richmond (96), VA	-- 110
50.	1882 -- Feb 03, Midlothian Coal Mine Explosion , Coalfield, VA	-- 32
51.	1884 -- Mar 13, Laurel Coal Mine Explosion , Pocahontas, VA	-- 112
52.	1884 -- Dec 12, Storm, Oyster Boats Capsize , Men Drown, Rappahannock River, VA--	27
53.	1888 -- Mar 11-14, Blizzard , VA Maritime losses	-- 16
54.	1888 -- July 12, Fat Nancy Trestle Failure, Train Wreck , ~Orange Court House, VA--	9-10
55.	1888 -- July 22, Trains Collide , Forest Depot, near Lynchburg, VA	--13-20
56.	1889 -- Apr 07, Nor'easter, Maritime and Mainland drownings , esp. Chesapeake Bay-8-12	
57.	1889 -- July 02, Flash Flood, Washout/Train Derailment , Fire, near Thaxton, VA	-- 17
58.	1891 -- Feb 26, Gale, craft lost , lower James Ri. ~Warwick Ri. mouth, Newport News, VA--	20-24
59.	1894 -- Apr 07, Fireworks Factory Explosion , Petersburg, VA	-- 10
60.	1895 -- Apr 22, Storm/ flooding , Rappahannock Riv., Middlesex Co., ~Burham's Wharf, VA--	10
61.	1899 -- Mar 07, Steamer James Bowen Founders off Hog Island, VA	-- 10
62.	1901 -- Nov 14 & 22, Fire, Baby and West Mines , Pocahontas Coal, Pocahontas, VA--	17
63.	1903 -- May 5, Fog, Steamer Saginaw sinks , liner Hamilton collis. ~Hog Island, VA--	15
64.	1903 -- Jul 07, Trains Collide , Rockfish Depot, 20 miles S of Charlottesville, VA	--23-24
65.	1903 -- Sep 15-17, Fishing Schooner Beatrice Lost, Hurricane , N of Chincoteague, VA-30	
66.	1903 -- Sep 27, Train Derails at Trestle, Southern. Railway Train # 97, Danville, VA--	11
67.	1905 -- Aug 17, Train goes into Elizabeth River, Atlantic Coast Line, Bruce, VA	-- 15
68.	1906 -- Oct 03, Coal Mine Explosion , Pocahontas Coal Mine, Pocahontas, VA	-- 36
69.	1907 -- Mar 16, Coal Mine Explosion , Bond & Bruce Coal Mine, Tacoma, VA	-- 11
70.	1907 -- June 11, Battleship Minnesota Launch is Run-Down , Hampton Roads, VA	-- 11
71.	1910 -- Mar 15, Tug USS Nina Lost , presumably in Gale, Chesapeake Capes, VA ⁶⁸⁸	-- 33
72.	1910 -- July 10, Artillery Explosion , Fort Monroe, VA	-- 11
73.	1911 -- Jun 12, Storm, Fishing Boats Capsized , James River & Hampton Roads, VA--	15
74.	1912 -- Smallpox (VA subset of 301-307 smallpox deaths nationwide) ⁶⁸⁹	-- 19
75.	1913 -- Jan 03, Fog, Julia Luckenbach Collision/Sinks , ~Tangier Island, VA	-- 16
76.	1914 -- Jan 30, Steamers Monroe & Nantucket Collide , fog off Hog Island, VA	-- 41
77.	1915 -- April 3, Steamer Edward Luckenbach Founders , False Capes, VA	-- 15
78.	1916 -- May 10, Explosion, Fire, Trampling , Theater, Wallaceton, VA	--13-26
79.	1917 -- Polio , esp. June-Sep, esp. children (VA subset, ≥1,182 U.S. polio deaths) ⁶⁹⁰	-- 69
80.	1918 -- Apr, 1919, Influenza and Pneumonia Epidemic , VA	--17,138
	1918 -- Influenza and Pneumonia Epidemic, VA	--11,961

⁶⁸⁸ Lowell Sun (MA) gives the date Feb 6, 1910 in "Shipping Disasters: Summary of the Accidents That Occurred Last Year," March 21, 1910.

⁶⁸⁹ In terms of large loss of life per State, VA tied with CA for 3rd behind TX with 128, and Pittsburgh with 33.

⁶⁹⁰ In terms of large loss of life per State, VA was 4th behind Chicago IL at 177, PA at 137, OH at 125, NY at 115.

Virginia (continued)

81.	1920 -- Whooping Cough (VA subset, 10,968 whoop. cough deaths, 34 reg. states) ⁶⁹¹ --	463
82.	1922 -- Feb 07, Fire, Lexington Hotel, Richmond, VA	-- 12
83.	1922 -- Feb 21, Air Crash, Dirigible <i>Roma</i> , Hampton Roads Naval Base, VA	-- 34
84.	1924 -- Oct 20, USS <i>Trenton</i> Gun Turret Powder Bag Explosion, off Norfolk, VA	-- 14
85.	1929 -- May 02, Tornadoes, VA	-- 22
86.	1931 -- Summer, Heat, excessive heat deaths (VA subset, 2,768 U.S. deaths)	-- 26
87.	1932 -- Feb 27, Coal Mine Explosion, Boissevain Coal Mine, Boissevain, VA	-- 38
88.	1932 -- Jun 13, Coal Mine Explosion, Splashdam No. 6 Coal Mine, Splashdam, VA	-- 10
89.	1933 -- Aug 23, Unnamed Hurricane, VA	-- 18
90.	1934 -- Mar 24, Fire, Federal Transient Bureau Lodging, Lynchburg, VA	-- 22
91.	1934 -- Aug 06, Derby No. 3 Coal Mine Explosion, Big Stone Gap, VA	-- 17
92.	1935 -- Dec 22, Bus Goes Off Appomattox River Drawbridge, Hopewell, VA	-- 14
93.	1938 -- Apr 22, Mine Explosion, Keen Mountain Coal Mine, Red Jacket, Hanger, VA--	45
94.	1939 -- Whooping Cough (VA subset of 3,026 whooping cough deaths nationwide) ⁶⁹² --	158
95.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	-- 10
96.	1940 -- Aug 31, Plane Crash, Pennsylvania Central NC21789, Lovettsville, VA	-- 25
97.	1941 -- Measles, especially children (VA subset of 2,279 U.S. measles deaths) ⁶⁹³	-- 170
98.	1943 -- Apr 21, Plane Lost, USAAF B-24D ~210 miles off Virginia Beach, VA	-- 10
99.	1943 -- Jun 01, Collision, MM <i>John Morgan</i> , Tanker <i>Montana</i> , Cape Henry, VA	-- 86
100.	1943 -- Sep 17, Depth Charge Explosion, Naval Air Station, Norfolk, VA	--26-40
101.	1944 -- Whooping Cough (VA subset of 1,878 U.S. whooping cough deaths) ⁶⁹⁴	-- 102
102.	1944 -- Mar 15, USAAF Bomber Crashes, Bull Mountain, ~Stuart, southwest VA	-- 11
103.	1944 -- May 30, USN PB4Y1 Liberator Emer. Lndg. Crash, NAAS Chincoteague, VA--	11
104.	1944 -- Nov 07, USN PB4Y-1 Liberator Plane Crash, off Fort Monroe, VA	-- 12
105.	1945 -- Feb 23, Plane Crash, American Air Flight 9, near Rural Retreat, VA	-- 17
106.	1945 -- July 22, USAAF B-24M Crash, James River, near Newport News, VA	-- 11
107.	1946 -- Apr 18, Coal Mine Explosion, Great Valley Coal Mine, McCoy, VA	-- 15
108.	1946 -- May 16, Plane Crash, Viking Air Transport, S. of Byrd Field, Richmond, VA--	27
109.	1947 -- Jan 12, Plane Crash, Eastern Air Lines Flight 665, Galax, VA	-- 18
110.	1947 -- July 29, Butane Gas Explos./fire, Pauline's Beauty School, Harrisonburg, VA ⁶⁹⁵	11
111.	1948 -- May 31, USN Carrier <i>Kearsarge</i> Launch Swamped, Hampton Roads, VA	--30-32
112.	1951 -- May 14, USS <i>Valcour</i> & <i>Thomas Tracy</i> Collision & Fire, off Cape Henry VA--	36
113.	1954 -- Oct 07, SS <i>Mormackite</i> Founders, off the Virginia Capes, VA	-- 37
114.	1954 -- Oct 15-16, Hurricane Hazel, VA	-- 13
115.	1957 -- Apr 02, US Navy Neptune Plane Explos., ~Atlantic, Chincoteague AFB, VA--	11
116.	1959 -- Sep 30, Tornadoes, Hurricane Gracie, Albemarle, County, Central VA	-- 12
117.	1959 -- Oct 30, Plane Crash, Piedmont 349, Bucks Elbow Mt., Charlottesville, VA--	26

⁶⁹¹ 6th largest loss of loss per State, behind PA at 1,195, NY at 1,063, OH at 845, IL at 553 and MA at 536 deaths.

⁶⁹² In terms of large loss of life per State, VA was 5th behind TX at 233, NC at 299, AL at 166, and IL at 161.

⁶⁹³ In terms of large loss of life to Measles in 1941, VA led the nation. 2nd was GA at 160; 3rd was KY at 158.

⁶⁹⁴ In terms of large loss of life to Whooping Cough per State, VA was 2nd behind NC at 145. TX was 3rd with 95.

⁶⁹⁵ Cross-listed in Explosions – most, if not all, deaths were caused by the explosion and building destruction.

Virginia (continued)

118.	1960 -- Jan 18, Plane Crash, Capital Airlines Flight 20 , near Charles City, VA	--	50
119.	1961 -- Nov 08, Plane Crash, Imperial Airlines Flight 201/8 , Richmond, VA	--	77
120.	1969 -- Aug 19-20, Camille storm flash flooding/mudslides , esp. Nelson Co.	--150-153	
121.	1972 -- Jun 21-23, Tropical Storm Agnes, Flooding , VA ⁶⁹⁶	--	17
122.	1973 -- Mar 02, Structural Collapse, Skyline Plaza Apartments , Fairfax Co., VA	--	14
123.	1974 -- Dec 01, Plane Crash, TWA 514 , Flies Into Mt. Weather, VA	--	92
124.	1978 -- Oct 20, USCG Cutter Cuyahoga & MV Santa Cruz II collide ~Smith Point, VA	--	11
125.	1980 -- June-Aug (especially), Heat (ICD-9 E900 code for excessive natural heat), VA	--	12
126.	1981 -- Feb 18, Commuter Bus Crash , I-95, into Chopawamsic Creek ~Quantico, VA	--	11
127.	1982 -- Jan 9-18, Winter Weather , especially extreme cold, snow	--	16
128.	1983 -- Feb 12, gale, collier Marine Electric (34 crew) capsizes/sinks off Chincoteague, VA	--	31
129.	1983 -- Summer Heat , especially Norfolk (6)	--	12
130.	1985 -- Sep 23, Henson Airlines 1517 approach crash , Hall Mt. (~Staunton), VA	--	14
131.	1985 -- Nov 4-5, Flooding, Hurricane Juan remnants , multiple counties (71-74 total)	--	22
132.	1987 -- Summer Heat , VA subset of approximately 388 U.S. heat deaths	--	14
133.	1989 -- Oct 5, Fire, Hillhaven Rehabilitation and Convalescent Center , Norfolk	--	12
134.	1993 -- Mar 12-13 Eastern Seaboard Winter " Superstorm of 1993 ," subset for VA	--	13
135.	1994 -- Jun 18, Mexican Charter Learjet Crash, Dulles IAP approach , Chantilly VA	--	12
136.	1995 -- Summer Heat (VA subset of 1,563-1,601 U.S. heat-related deaths)	--	18
137.	1995 -- Sep 10, Plane Crash, Peninsula Sky Diving Club , West Point, VA	--	12
138.	1996 -- Jan 6-7, Snow Storm (Blizzard of '96) , VA	--	18
139.	2001 -- March 3, USAF C-23 Plane Crash (VA NG/18) FL ANG/3), Unadilla, GA ⁶⁹⁷	--	21
140.	2001 -- Sep 11, American Airlines Hijacked , Flown into Pentagon, Arlington, VA	--	189
141.	2003 -- Sep 18, Hurricane Isabel , multiple counties and independent cities, VA	--	36
142.	2004 -- Oct 24, Plane Crash, Hendrick Motorsports N501RH , Martinsville, VA	--	10
143.	2006 -- Summer Heat (VA subset of 912 U.S. heat-related deaths)	--	12
144.	2007 -- Apr 16, Violence, Virginia Tech Shootings , Blacksburg, V	-- ⁶⁹⁸	32-33
145.	2008 -- Summer Heat (VA subset of 393 U.S. heat-related deaths)	--	10
146.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	37
147.	2011 -- Apr 27, Tornadoes	--	11
148.	2012 -- June 29, Derecho , esp. Mid-Atlantic, DC/KY/MD/OH/NJ/VA (20-24). VA	--	13
149.	2010 -- Summer Heat (VA subset of 627 U.S. heat-related fatalities)	--	13
150.	2011 -- Summer Heat (VA subset of 719-725 U.S. heat-related deaths)	--	11
151.	2012 -- Summer Heat (VA subset of 598 U.S. heat-related deaths)	--	20
152.	2015 -- Summer Heat (VA subset of 339 U.S. heat deaths in 2015)	--	12
153.	2016 -- Jan 20-23, Winter Storm Jonas , heart attacks/5, hypothermia/5, vehicular/2	--	12

Virginia Select Other Loss of Life Events:

1850 -- Spring, Cholera	--	18
1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	--	618

⁶⁹⁶ A subset of 138-140 total U.S. fatalities attributed to Hurricane/Tropical Storm Agnes.

⁶⁹⁷ Though the plane crashed in Georgia, 18 of the 21 victims were members of the Virginia National Guard.

⁶⁹⁸ Shooter killed 32 students and faculty; then committed suicide. Thus "33" includes the shooter.

Virginia Select Other Loss of Life Events (continued)

1860 -- Measles (VA subset of 3,900 measles deaths nationwide)	-- 140
1860 -- Scarlet Fever (VA subset of 26,402 deaths in 38 Census States & DC)	-- 601
1860 -- Smallpox (VA subset of 1,263-1,271 smallpox deaths in reporting States)	-- 24
1860 -- Tuberculosis ("consumption") (VA subset of 49,082 death nationwide) ⁶⁹⁹	--2,109
1860 -- Whooping Cough (VA subset of 8,408 whooping cough deaths nationwide)	-- 921
1870 -- Croup (VA subset of 10,692 deaths nationwide)	-- 292
1870 -- Diphtheria (VA subset of 6,303 deaths nationwide)	-- 239
1870 -- Tuberculosis (Consumption) (VA subset of ~70,000 TB deaths nationwide)	--2,005
1870 -- Typhoid Fever (VA subset of 22,187 typhoid fever deaths nationwide)	-- 676
1870 -- Whooping Cough (VA subset of 9,008 whooping cough deaths nationwide)	-- 284
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	-- 468
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	-- 540
1879 -- June-May 1880, " Malarial Fever ," (VA subset, 20,231 such deaths nationwide)	-- 471
1879 -- June-May 1880, Measles , esp. children (VA subset, 8,254 U.S. measles deaths)	-- 373
1879 -- June-May 1880, Meningitis (VA subset of 7,481 meningitis deaths nationwide)	-- 162
1879 -- June-May 1880, Scarlet Fever , esp. children (VA subset, 16,388 U.S. S.F. deaths)	-- 257
1879 -- June-May 1880, Tuberculosis (VA subset of 91,270 TB deaths nationwide)	--2,760
1879 -- June-May 1880, Typhoid Fever (VA subset of 23,339 U.S. Typhoid deaths)	-- 641
1879 -- June-May 1880, Whooping Cough (VA subset, 11,064 U.S. W.C. deaths)	-- 415
1890 -- Typhoid Fever , Richmond (VA subset of ~30,000 typhoid deaths nationwide)	-- 52
1898 -- Typhoid Fever (VA subset of >3,300 deaths), esp. 2 nd , 3 rd , 4 th , VA Vol. Inf. ⁷⁰⁰	-- 79
1900 -- Tuberculosis (25,252 VA deaths all causes) (109,750 US TB deaths) ⁷⁰¹	--3,223
1900 -- Typhoid Fever (VA subset of 35,379 typhoid fever deaths nationwide)	-- 914
1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	-- 5
1910 -- Polio Outbreak, especially children, VA	-- 15
1916 -- Diphtheria , especially children, VA	-- 244
1916 -- Polio , especially children, Statewide, VA (~6,700->7,000 U.S. polio deaths)	-- 59
1920 -- Diphtheria & Croup (VA subset of 13,395 deaths in 34 registration states)	-- 334
1920 -- Influenza and Pneumonia , VA subset, Census Bureau "Registration" Cities	--1,426
1920 -- Malaria (VA subset of 3,136 malaria deaths reported in 34 registration states)	-- 51
1920 -- Measles (VA subset of 7,712 measles deaths in 34 registration states)	-- 75
1920 -- Scarlet Fever (VA subset of 4,004 scarlet fever deaths in 34 registration states)	-- 32
1920 -- Smallpox (VA subset of 508 smallpox deaths reported in 34 registration states)	-- 12
1920 -- Typhoid Fever (VA subset of 6,805 typhoid fever deaths, 34 registration states)	-- 260
1920 -- Aug 13, Premature Dynamite Explosion; Boxley Quarry; Pounding Mill, VA	-- 9
1921 -- Polio (Acute) esp. late Summer-Fall (VA subset, 1,597 U.S. polio deaths)	-- 28
1927 -- Polio (acute) esp. late Summer and Fall (VA subset, 2,013 polio deaths nationwide)	-- 33
1931 -- "Epidemic Cerebrospinal Meningitis " (VA subset, 2,832 US meningitis deaths)	-- 48
1931 -- Diphtheria , especially children (VA subset, 5,738 U.S. diphtheria deaths)	-- 227
1931 -- Influenza (VA subset of 31,701 influenza deaths nationwide)	--1,036

⁶⁹⁹ Was the leading reported cause of death in the State and in the U.S. in 1860.

⁷⁰⁰ Sixty soldiers of the mentioned units plus the 2nd Army Hospital Corps (Camp Alger) died of typhoid at various military posts. Seventy-nine soldiers of various regiments died in Virginia.

⁷⁰¹ Leading cause of death in State in 1900, with pneumonia second with 2,429 deaths.

Virginia Select Other Loss of Life Events (continued)

1931 -- Measles , especially children (VA subset, 3,576 measles deaths nationwide)	--	87
1931 -- Polio , esp. July-Oct (VA subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	20
1935 -- March 19, head-on auto/truck collision , Naruna, Campbell County, VA ⁷⁰²	--	5
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (VA subset of 1,997 U.S. diphtheria deaths)	--	99
1939 -- Influenza and Pneumonia (VA subset, 99,097 U.S. influenza/pneumonia deaths)	--	2,444
1939 -- Tuberculosis (VA subset of 61,609 tuberculosis deaths nationwide)	--	1,452
1939 -- Aug 11, USAAF B1B takeoff crash , Langley Field, VA	--	9
1940 -- Influenza and Pneumonia (VA subset of 92,525 U.S. flu and pneumonia deaths)	--	2,586
1940 -- Polio , especially children (VA subset of 1,026 polio deaths nationwide)	--	27
1940 -- Tuberculosis (VA subset of 55,576 tuberculosis deaths nationwide)	--	1,424
1940 -- Whooping Cough (VA subset of 2,926 whooping cough deaths nationwide)	--	132
1942 -- Feb 22, Train hits car at railroad crossing , near Abingdon, VA	--	8
1943 -- Aug 10, Lightning Kills Soldiers , Drill Field, Fort Belvoir, VA	--	6
1943 -- Nov 16, Mines Explode , Warehouse, Naval Mine Depot, Yorktown, VA	--	7-8
1944 -- Cerebrospinal Meningitis , VA (2,812 cerebrospinal meningitis deaths nationwide)	--	95
1944 -- Influenza (VA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	531
1944 -- Measles , especially Jan-June (VA subset of 1,923 measles deaths nationwide)	--	50
1944 -- Polio , the year, especially July-Nov, VA (1,070 polio deaths nationwide)	--	58
1944 -- Tuberculosis (VA subset of 54,731 tuberculosis deaths nationwide)	--	1,344
1950 -- Polio , especially July-Nov, VA (1,904 polio deaths nationwide)	--	63
1953 -- Polio , especially children (VA subset of 1,450 polio deaths nationwide)	--	34
1955 -- Feb 01, Home Fire, all children , Chuckatuck, VA	--	6
1959 -- Mar 29, Fire, residence, children killed , Danielstown, Brunswick County, VA	--	7
1975 -- Jan 09, USAF T29D and Cessna Collide 4 miles west of Newport News, VA	--	9
1985 -- Jan 19-23, Winter weather, exposure/hypothermia	--	5
1988 -- Summer Heat , VA	--	9
1989 -- Sep 22-23, Hurricane Hugo , VA	--	6
1993 -- Jan 25, CIA HQ Shootings , Aimal Kasi, Route 123, Langley, VA	--	2
1994 -- June 16, Lightning , Lake Moomaw, Bath County, VA	--	5
1996 -- Sep 5-6, Hurricane Fran , VA	--	6
1999 -- Sep 16, Hurricane Floyd , VA	--	4-5
2004 -- Aug 30, Hurricane Gaston , esp. Richmond and nearby counties, VA	--	9
2011 -- Apr 16, Tornadoes , strong winds and flash flooding, multiple counties	--	6
2012 -- Fungal Meningitis due to tainted steroid injections , VA	--	5
2012 -- June 29, Thunderstorms , tree falls, Albemarle and Fairfax Counties	--	6

Breakout of **Virginia** Large Loss-of-Life Events (10 or more fatalities) by Type:

- 25 -- **Maritime/In-land water craft.**
- 23 -- **Disease**, select communicable, especially epidemics. (Plus 53 in "Other.")
- 21 -- **Aviation.** (Plus two with 9 fatalities each in "Other.")
- 15 -- **Mining.** (Plus 1920 Quarry powder/dynamite explosion taking 9 lives.)
- 15 -- **Violence** (including 1 cross-listed under Winter Weather and in Violence {Jamestown})

⁷⁰² AP. "Five Die When Autos Collide. Four Lynchburg, VA..." *Lubbock Morning Avalanche*, TX, 3-20-1935, 1.

- 12 -- **Heat**. Plus **two** events with fewer than 10 deaths -- 5 in 1901 and 9 deaths in 1988.
- 11 -- **Hurricanes**. (Plus **four** – one with nine fatalities, two with 6 and one with 4-5 in “Other.”.)
- 8 -- **Rail** (including two trestle failures cross-listed in Structural Failures).
- 7 -- **Explosions**. (Plus one explosion with 7-8 deaths.
- 6 -- **Fire-Structural**. (Plus **two** -- one with 7 and one with 6 deaths in “Other.”)
- 6 -- **Flooding** (Three cross-listed with Hurricanes and Tropical Storm remnants).
- 6 -- **Winter Weather**. (Plus 5 deaths in Jan 1985.)
- 4 -- **Structural Failures** (including two cross-listed in Rail).
- 3 -- **Tornadoes** (including one cross-listed in Hurricanes).
- 2 -- **Road/Highway/Vehicular**. (Plus **2** -- one with 5 dead in 1935, one with 8 deaths in 1942.)
- 1 -- **Windstorm (Derecho)**
- 0 -- **Lightning**. (However, one event in 1943 with seven deaths and one in 1995 with five.
- 0 -- **Tainted medication**. (Five died of fungal meningitis in 2012 due to tainted steroid shots.)

WA

Washington

1.	1847 -- Fall, Measles Epidemic, Cayuse Indians, Southwestern WA	-- >200
2.	1847 -- Nov 29, Whitman Massacre , Missionaries, ~Walla Walla, WA	-- 15
3.	1853 -- Smallpox Epidemic, Native Americans, Pacific Northwest ⁷⁰³	--2,000-3000
4.	1855 -- Oct 27-28, White/Native Conflict , Puget Sound area, White River val., WA	--10-11
5.	1875 -- Nov 04, Steamship Pacific sinks, collis. with Orpheus , off N. WA Coast	--200-300
6.	1880 -- May 04, Storm, fishing boats capsize , Columbia River mouth, OR and WA ⁷⁰⁴	--15-36
7.	1882 -- Oct-Dec, Smallpox Epidemic, Columbia County, especially Dayton, WA	-- 21
8.	1886 -- Dec 14, Ship Harvey Mills founders, gale, Cape Flattery, WA	-- 22
9.	1887 -- Apr, St. Stephen or Stephens , Seattle to San Francisco, lost at sea near WA	-- 27
10.	1887 -- Apr 01, Ship Eldorado Sinks (Seattle to SF) in Storm off Cape Flattery, WA	-- 12
11.	1890 -- Typhoid Fever (WA subset of ~30,000 typhoid deaths nationwide)	-- 232
12.	1890 -- Sep 06, Dynamite Explosion , No. Pacific Freight Yard, Spokane Falls, WA	-- 15
13.	1892 -- May 10, Roslyn Coal Mine Explosion , Roslyn, WA	-- 45
14.	1892 -- Aug 26, William A. Campbell sinks in storm (out of Port Townsend, WA)	--11-14
15.	1894 -- Aug 24, Franklin Coal Mine Fire and Asphyxiation , Franklin, WA	-- 37
16.	1895 -- Apr 08, Coal Mine Explosion , Blue Canyon Coal Mine, Lake Whatcom, WA--	23
17.	1898 -- May 22, Seattle Schooner Jane Grey , leaks, sinks, W of Cape Flattery, WA	-- 34
18.	1899 -- Jan 14/15, Sailing Ship Andelana sinks while moored at Tacoma, WA	--17-20
19.	1899 -- Dec 09, Coal Mine Explosion , Carbon Hill No. 7, Carbonado, WA	-- 31
20.	1900 -- July 04, Trolley Car Derails , Tacoma, WA	-- 43
21.	1902 -- Sep 11-15, Forest fires , WA & NW OR, esp. multiple SW counties, WA ⁷⁰⁵	--56-61
22.	1902 -- Oct 01, Lawson Coal Mine Disaster, Black Diamond, WA	-- 11
23.	1902 -- Dec 21, Last sighting of American ship Florence , Tacoma, WA for Honolulu--	~15
24.	1903 -- Jan 02, Bark Prince Arthur , Grounds on Rocks off Coast of WA	-- 18
25.	1903 -- Jan 20, Trains Collide , Great Northern RR, ~Chiwakum, Chelan County, WA--	≥12
26.	1904 -- Jan 08, Storm, Steamer Clallam Sinks , Straits of San Juan de Fuca, WA	-- 52
27.	1904 -- Dec 07, Coal Mine Explosion , No. 5 Coal Mine, Burnett, WA	-- 17
28.	1906 -- Nov 18, Steamer Dix Collides with Jeanie , Sinks, Puget Sound, WA	-- 42
29.	1907 -- Sep 05, Fire, Webb Hotel , Shelton, WA	-- 11
30.	1909 -- Oct 03, Coal Mile Explosion , Northwestern Coal Mine, Roslyn, WA	-- 10
31.	1909 -- Dec 23, Schooner Susie M. Plummer abandoned, Cape Flattery, WA	-- 10
32.	1910 -- Polio , especially children, WA	-- 81
33.	1910 -- Smallpox (WA subset of 403-415 smallpox deaths in 23 reporting States)	-- 14
34.	1910 -- Mar 01, Avalanche , Two Trains Derailed , Stevens Pass, Wellington, WA	-- 118
35.	1910 -- Mar 03, Flooding , Colfax, WA	-- 12
36.	1910 -- Nov 06, Coal Mine Explosion , Lawson Coal Mine, Black Diamond, WA.	-- 16
37.	1913 -- Aug 17, Steamer State of California hits rock, Gambier Bay, Admiralty Is. AK ⁷⁰⁶	31-32
38.	1914 -- Aug 26, Fog, Admiral Sampson Collision , Puget Sound, Point No Point, WA--	11-12
39.	1915 -- Nov 16, Mine Dust Explosion , Pacific Northwestern Coal Mine, Ravensdale WA--	31
40.	1918 -- Aug 28, Coal Mine Explosion , Burnett Coal Mine, Burnett, WA	-- 12

⁷⁰³ Cross-listed in Oregon since the epidemic was on the coast and both sides of the Columbia River.

⁷⁰⁴ Cross-listed in Oregon in that fisherman from both sides of the river were out fishing and were drowned.

⁷⁰⁵ Death toll noted here is only for WA. We do not know the OR total, but note 3 specific deaths in Narrative doc.

⁷⁰⁶ Cross-listed herein in that at least 10 of the fatalities were from Washington, especially Seattle.

Washington (continued)

41.	1918 -- Apr, 1919 -- Influenza and Pneumonia Epidemic , WA	--6,853-7,691
	1918 -- Influenza and Pneumonia Epidemic, WA	--4,943-5,781
	1919 -- Jan-Apr, Influenza Epidemic, WA	-- 1,910
42.	1919 -- Feb 06, Fire, Tokyo Rooming House , South Weller St., Seattle, WA	-- 10
43.	1920 -- Influenza and Pneumonia , "registration" cities, WA	--1,262
44.	1920 -- Nov 24, Barge W. J. Pirrie, Hits Rocks, Sinks , off Coast of WA	-- 20
45.	1921 -- Polio (Acute) esp. late Summer-Fall (WA subset, 1,597 U.S. polio deaths) ⁷⁰⁷	-- 122
46.	1923 -- Dec 05, Steamer T.W. Lake Lost in Storm , near San Juan Islands, WA	--13-14
47.	1929 -- Oct 17, Fire, Portland Hotel Rooming House , First Avenue, Seattle, WA	-- 10
48.	1930 -- Apr 12, Coal Mine Explosion , Carbonado Coal Mine, Carbonado, WA	-- 17
49.	1930 -- Sep 01, WA Sch. Orient Collides with Admiral Nelson , ~Vancouver Isl., BC ⁷⁰⁸	-- 10
50.	1934 -- Oct 21, Windstorm , WA	-- 21
51.	1936 -- Jan 12, Steamer SS Iowa Grounds/Sinks , Heavy Sea, Peacock Spit, WA	-- 34
52.	1939 -- Mar 18, Boeing Stratoliner test flight Crash , near Adler, Mt. Rainier, WA	-- 10
53.	1943 -- Jan 31, Fire, Lake Forest Park Sanitarium , Lake Forest Park, WA	-- 32
54.	1943 -- Feb 11, Plane Crash, U.S. Army AF Bomber , Near Wala Walla, WA	-- 10
55.	1943 -- Feb 18, Plane Crash, Boeing Aircraft XB-29 , Frye Packing, Seattle, WA	--32-34
56.	1943 -- Mar 29, Plane Crash, U.S. Army Air Force B-17 42-5313 , Ephrata AFB, WA	-- 11
57.	1943 -- May 16, Runway Collision, USAAF B-17's , Ephrata Army Air Base, WA	-- 10
58.	1943 -- July 24, Plane Crash, USAAF B-17A , near Army Air Base, Ephrata, WA	-- 13
59.	1944 -- June 22, Plane Crash, USAAF B-24J , near Walla Walls Army Air Field, WA	-- 10
60.	1944 -- July 19, Plane Crash, USAAF Consolidated Liberator 42-51617 , Touchet WA	--12
61.	1945 -- Feb 17, Fire, Maefair Apartments , Tacoma, WA	-- 19
62.	1945 -- Nov 26, School Bus goes into Lake Chelan in Snowstorm, Chelan, WA	-- 16
63.	1946 -- Dec 10, Plane Crash, US Marine Corps Transport , Mount Rainer, WA	-- 32
64.	1949 -- Jan 02, Plane Crash, Seattle Air Charter , Seattle-Boeing Field, WA	-- 14
65.	1949 -- Nov 1, Plane Collision, Eastern Air 537/Lockheed P-38 , Wash. Nat. AP, WA	-- 55
66.	1950 -- Jan 13/14, Winter Storm , Puget Sound, WA	-- 13
67.	1951 -- Jan 16, Plane Crash, Northwest Orient Flight 115 , Near Reardan, WA	-- 10
68.	1951 -- Jan 30, Fire, Convalescent Home , Hoquiam, WA	-- 21
69.	1951 -- Aug 13, Plane Crash, USAF B-50, Lester Apartments , Beacon Hill, WA	-- 11
70.	1952 -- Jan 09, SS Pennsylvania (of Tacoma) Founders 665M off Cape Flattery, WA	-- 46
71.	1952 -- Apr 15, Plane Crash, USAF B-36D , Fairchild AFB, Spokane WA	-- 15
72.	1952 -- Nov 12, Plane Crash, USAF Consolidated Privateer , Shelton, WA	-- 11
73.	1952 -- Nov 28, Plane Crash, USAF Douglas C-54 , near Tacoma, WA	-- 37
74.	1952 -- Dec 20, Plane Crash, USAF Globemaster , Larson AFB, WA	-- 87
75.	1953 -- Jan 28, Plane Crash, USN PB4Y Privateer , Black Peak, WA	-- 10
76.	1953 -- Sep 1, Plane Crash, Regina Cargo Airlines , near Vail, WA	-- 21
77.	1955 -- Nov 17, Peninsular Air Transport (Mil. Charter) Crash , Seattle-Boeing Field, WA	-- 28

Washington (continued)

78.	1958 -- Sep 08, Plane Collision, USAF B-52's , Near Airway Heights, WA	-- 13
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⁷⁰⁷ Washington had the third highest polio death total in 1921, behind NY with 272 and IL with 150.

⁷⁰⁸ Cross listed in Maritime.

79.	1961 -- May 24, Plane Crash, USAF 51-0174 Globemaster , McChord AFB, WA	--	22
80.	1962 -- Sep 10, USAF SAC Tanker Approach Crash , Mt. Kit Carson ~Spokane, WA--		44
81.	1962 -- Oct 12, Wind Storm, Columbus Day "Big Blow," Western WA	--	10
82.	1969 -- Feb 05, Plane Crash, Angeles Flying Service , Clallam Ct. AP, Port Angeles	--	10
83.	1970 -- Mar 20, Arson Fire, Ozark Hotel ("flophouse") , Seattle, WA	--	20
84.	1971 -- Apr 25, Fire, Seventh Avenue Apartments Building , Seattle, WA	--	12
85.	1975 -- Mar 20, Plane Crash, USAF Transport , Olympic National Park, Quilcene WA--		16
86.	1977 -- Mar 27, KLM / Pan Am Collide , fog, Tenerife Airport, Canary Is., WA dead--		12
87.	1978 -- Feb 10, Plane Crash, Columbia Pacific Air N199EA , Richland, WA	--	17
88.	1980 -- May 18, Volcano Eruption, Mount St. Helens , WA ⁷⁰⁹	--55-67	
89.	1981 -- June 21, Ice Fall/Avalanche , Ingraham Glacier climbers, Mt. Rainier, WA	--	11
90.	1983 -- Feb 19, Shooting deaths (13 of 14), Wah Mee Club , Seattle "Chinatown", WA--		13
91.	1983 -- Aug 21, Landry Aviation plane with skydivers stalls/crashes , Silvana, WA	--	11
92.	1994 -- Aug 21, SUV crosses center-line, hits sedan , Hwy Alt 97 ~Wenatchee, WA	--	11
93.	2001 -- April 1-2, fishing boat Arctic Rose (homeport Seattle, WA) sinks , Bering Sea--		15
94.	2006 -- Dec 13-22, Windstorm , Carbon Monoxide Poisonings (8), esp. Kings Co. WA ⁷¹⁰ --		15
95.	2007 -- Oct 7, Plane crash, Kapowsin Air Sports (skydiving) , near Naches, WA	--	10
96.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--98-99	
97.	2014 -- Mar 22, Mudslide , State Route 530, near Oso, Snohomish Co., WA ⁷¹¹	--43-44	

Washington Select Other Loss of Life Events:

1801-1802 --	Smallpox , western Washington natives ⁷¹²	--	?
1879 -- June-May 1880,	Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	14
1879 -- June-May 1880,	Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	111
1879 -- June-May 1880,	Measles , esp. children (WA subset, 8,254 U.S. measles deaths)	--	11
1879 -- June-May 1880,	Scarlet Fever , esp. children (WA subset, 16,388 US S.F. deaths)--		15
1879 -- June-May 1880,	Typhoid Fever (WA subset of 23,339 U.S. typhoid deaths)	--	15
1894 -- Nov 28,	Commencement Bay Tsunami , Puyallup Riv. Delta, Tacoma WA	--	2
1900 --	Tuberculosis (4,910 WA deaths all causes) (109,750 US TB deaths) ⁷¹³	--	563
1900 --	Typhoid Fever (WA subset of 35,379 typhoid fever deaths nationwide)	--	171
1907 --	Typhoid Fever , Seattle, Spokane, Tacoma (WA subset of ~13,000 U.S. deaths)	--	167
1910 -- Aug 20-Sep 9,	Wildfires , deaths in Newport vicinity and in Spokane	--	3
1916 --	Diphtheria , especially children, WA	--	35
1916 -- Jan 22,	Avalanche hits Cascade Lmtd. Train , Cascades, ~Corea Station, WA	--	7-8
1916 -- Nov 05,	Labor Violence, IWW workers/local law enforcement , Everett, WA	--	7
1918 --	Typhoid Fever (WA subset of 9,100 U.S. Typhoid Fever deaths)	--	98
1919 -- Nov 11,	Violence, Armistice Day Parade , Amer. Legion/IWW, Centralia, WA	--	6
1920 --	Diphtheria & Croup (WA subset of 13,395 deaths in 34 registration states)	--	126
1920 --	Scarlet Fever (WA subset of 4,004 scarlet fever deaths in 34 registration states)	--	59

⁷⁰⁹ Thirty-four of the identified deaths were of people residing in Washington at the time.

⁷¹⁰ Carbon monoxide poisoning (8), wind-driven debris (4), drowning, electrocution and fire (one each).

⁷¹¹ Forty-three mudslide victims. A nephew of two victims, who assisted in search, committed suicide April 13-15.

⁷¹² We have not seen an estimate of the death toll, only that smallpox spread from the east westward. Frequently the smallpox death rate among Native populations was on the order of 30-50 percent. We can only guess that the deaths must have been in the hundreds, if not many hundreds.

⁷¹³ Leading cause of death in State in 1900, with pneumonia second with 379 deaths.

Washington Select Other Loss of Life Events (continued)

1920 --	Smallpox (WA subset of 508 smallpox deaths reported in 34 registration states)	--	18
1920 --	Typhoid Fever (WA subset of 6,805 typhoid fever deaths, 34 registration states)	--	76
1920 --	Whooping Cough (WA subset, 10,968 whooping cough deaths in 34 reg. states)	--	102
1927 --	Polio (Acute) esp. late Summer and Fall (WA subset, 2,013 U.S. polio deaths)	--	65
1931 --	"Epidemic Cerebrospinal Meningitis " (WA subset, 2,832 US meningitis deaths)	--	31
1931 --	Diphtheria , especially children (WA subset, 5,738 U.S. diphtheria deaths)	--	35
1931 --	Influenza (WA subset of 31,701 influenza deaths nationwide)	--	415
1931 --	Measles , especially children (WA subset, 3,576 measles deaths nationwide)	--	35
1931 --	Polio , esp. July-Oct, (WA subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	16
1932 --	Nov 24, Violence Julian Marcelino Rampage with knives , Seattle, WA	--	6
1939 --	Diphtheria , esp. Jan-Mar, Sep-Dec (WA subset of 1,997 U.S. diphtheria deaths)	--	12
1939 --	Influenza and Pneumonia (WA subset, 99,097 U.S. influenza/pneumonia deaths)	--	1,029
1939 --	Tuberculosis (WA subset of 61,609 tuberculosis deaths nationwide)	--	605
1940 --	Influenza and Pneumonia (WA subset of 92,525 US flu and pneumonia deaths)	--	1,148
1940 --	Polio , especially children (WA subset of 1,026 polio deaths nationwide)	--	36
1940 --	Tuberculosis (WA subset of 55,576 tuberculosis deaths nationwide)	--	633
1940 --	Whooping Cough (WA subset of 2,926 whooping cough deaths nationwide)	--	19
1940 --	Nov 28, Natural Gas Explosion & Fire , Richey Gilbert Warehouse, Toppenish, WA	--	8
1942 --	May 12, USAAF Lockheed C-40A landing gear failure crash, Paine Field ~Everett	--	5
1943 --	Aug 10, Walla Walla-based USAAF bomber crashes Columbia riv. ~Paterson WA	--	7
1944 --	Cerebrospinal Meningitis , WA (2,812 U.S. cerebrospinal meningitis deaths)	--	32
1944 --	Influenza (WA subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	241
1944 --	Measles , especially Jan-June (WA subset of 1,923 measles deaths nationwide)	--	15
1944 --	Tuberculosis (WA subset of 54,731 tuberculosis deaths nationwide)	--	702
1944 --	Whooping Cough (WA subset of 1,878 whooping cough deaths nationwide)	--	14
1946 --	Polio , especially July-Nov (WA subset of 1,845 polio deaths nationwide)	--	34
1949 --	April 13, Earthquake , Puget Sound-area, WA	--	8
1949 --	Polio , especially July-Nov (WA subset of ~2,725 polio deaths nationwide)	--	35
1950 --	Polio , especially July-Nov (WA subset of 1,904 polio deaths nationwide)	--	30
1952 --	Polio , especially children, WA	--	36
1953 --	Polio (WA subset of 1,450 polio deaths nationwide)	--	17
1959 --	May 11, Plane Crash , USN P2V, Whidbey Island Naval Air Station, WA	--	9
1981 --	Nov 13-13, Pacific Northwest Windstorm	--	5
1987 --	July 11-12, Man shoots wife, two children, his parents, in-laws , Federal Way, WA	--	8
1991 --	Oct 16, Wildfires , Spokane Area Urban Interface, WA	--	2
1992 --	Dec 17, Fire, four-family apartment building , Auburn, WA	--	5
1993 --	Jan 20, Inauguration Day Winter Wind Storm , WA State	--	5
2006 --	Mar 26, Mass-shooting, rave afterparty , Capitol Hill community, Seattle, WA ⁷¹⁴	--	7
2007 --	Dec 1-4, Winter Storm (The Great Coastal Gale of 2007) OR	--	8
2007 --	Dec 2, Avalanche , Union Creek Basin, NE Crystal Mt. WA	--	3
2010 --	April 2, Explosion (heat exchanger) , Tesoro Refinery, Anacortes, WA	--	7

⁷¹⁴ The shooter murdered six people aged 14, 15, 21, 22, 26 and 32. Committed suicide when police arrived.

Breakout of Washington Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 29 -- **Aviation**. (Plus three in "Other" – one 9, one with 7 and one with 5 deaths.)
- 21 -- **Maritime and In-Land Water Craft**.
- 11 -- **Mining**.
- 10 -- **Disease**, select communicable, especially epidemics. (Plus 39 in "Other.")
- 8 -- **Fire, structural**. Plus one in 1992 with 5 fatalities.
- 4 -- **Violence**. (Plus 5 -- one with 8 deaths, two with 7 each and two with 6 fatalities each.)
- 3 -- **Rail**.
- 3 -- **Wind Storm**. (Plus 5 deaths in Nov 13-15, 1981 windstorm.)
- 2 -- **Avalanche**.
- 2 -- **Vehicular**.
- 1 -- **Explosion**. (Plus two in "Other" -- one with 8 fatalities in 1940 and one with 7 in 2010.)
- 1 -- **Flooding**.
- 1 -- **Fog** as contributing factor.
- 1 -- **Mudslide**.
- 1 -- **Volcano eruption**.
- 1 -- **Wildfire**. (Plus 3 deaths in 1910 wildfires and 2 in 1991 wildfires.)
- 1 -- **Winter Storms**. (Plus two – one with 8 and one with 5 deaths in "Other.")
- 0 -- **Carbon Monoxide Poisoning**. (Though there were 8 deaths after Dec 2006 windstorm.)
- 0 -- **Earthquake**. (Though there were 8 deaths in Apr 13, 1949 Puget Sound area earthquake.)
- 0 -- **Tsunami**. (But 2 deaths in Nov 8, 1894 Commencement Bay tsunami.)

WV

West Virginia

1.	1758 -- Apr 28, Massacre of Settlers by Shawnee, Fort Sybert/Seybert, WV	--	>40
2.	1774 -- Apr 30, Greathouse VA force murder Mingos, Yellow Creek /OH Riv., OH/WV ⁷¹⁵	~	10
3.	1830 -- Apr 01, Explosion of the Tri-Color , Ohio River, Wheeling, WV	--	15
4.	1832 -- Aug 20-Oct 27, Cholera , esp. Charlestown, Harpers Ferry area, Wheeling	--	28-44
5.	1833 -- Cholera Epidemic, especially Bridgeport and Wheeling, WV	--	36
6.	1836 -- Aug 09, Steamer <i>Motto</i> Boiler Explos. , OH River, Blennerhasset's Island WV	--	12
7.	1850 -- Cholera , Harpers Ferry, WV	--	≥100
8.	1851 -- Mar 24, Boat Collis., Lowell Sinks , OH R., Captina Isl., ~Wheeling WV	--	15-20
9.	1852 -- Dec 14, Steamer <i>Magnet</i> Boiler Explosion , OH River, Grandview Island, WV	--	10
10.	1854 -- Late Sep-early Oct (3 days), Cholera , Martinsburg; Jul 20-31, Wheeling, WV	--	31
11.	1870 -- Sep 30, Flooding , Shenandoah River, Virginus Island, Harpers Ferry WV	--	42
12.	1873 -- June 9-Sep, Cholera outbreak, primarily Wheeling, WV	--	22
13.	1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--	510
14.	1883 -- Jan 23, Train Derails , Georges Creek & Cumberland Rd., (~Cumberland), WV	--	15
15.	1886 -- Jan 21, Coal Mine Explosion , Newburg Coal Mine, Newburg, WV	--	39
16.	1888 -- July 18-19, Flooding , WV, especially Wheeling	--	20-30
17.	1889 -- July 18, Flooding , Morristown, Rockport and Parkersburg vicinities, WV	--	19-23
18.	1889 -- Dec 28, C&O Train Derails , Jary's Run, near White Sulphur Springs, WV	--	10-11
19.	1891 -- July 4, Train cars go through fire-damaged trestle , Farm Sta., ~Charleston, WV	--	≥14
20.	1892 -- July 25, Flash Flooding , Cloudburst, Wheeling and vicinity, WV	--	10-12
21.	1900 -- Typhoid Fever (WV subset of 35,379 typhoid fever deaths nationwide)	--	671
22.	1900 -- Mar 06, Mine Explosion , Red Ash Coal Mine, Red Ash, WV	--	46
23.	1900 -- Nov 02, Mine Explosion , Southern Coal & Trans. Co., Berryburg, WV	--	15
24.	1901 -- May 15, Mine Explosion , George's Creek Coal, Chatham Mine, Farmington WV	--	10
25.	1901 -- June 23, Flooding , Elkhorn River, Pocahontas Rgn., Burke, Keystone WV	--	200
26.	1902 -- Sep 15, Mine Gas Explosion , Algoma Coal & Coke Mine, Algoma, WV	--	17
27.	1905 -- Jan 03, Towboat <i>Defender</i> Boiler Explosion , OH River, near Huntington, WV	--	9-20
28.	1905 -- Mar 19, Coal Mine Explosion , Rush Run & Red Ash Mine, Red Ash, WV	--	24
29.	1906 -- Jan 4, Coal Mine Powder Explosion , Coaldale Mine, Mercer County, WV	--	22-24
30.	1906 -- Jan 18, Coal Mine Dust Explosion , Detroit Coal Mine, Paint Creek, WV	--	18
31.	1906 -- Feb 08, Coal Mine Gas Explosion , Parral Coal Mine, Parral, WV	--	23
32.	1906 -- Mar 22, Coal Mine Dust Explosion , Century Mine, No. 1 Shaft, Century, WV	--	23
33.	1907 -- Jan 26, Coal Mine Explosion (Powder) , Lorentz Coal Mine, Penco, WV	--	12
34.	1907 -- Jan 29, Coal Mine Explosion , Stuart Colliery Co., WV	--	85
35.	1907 -- Feb 4, Coal Mine Explos. (Gas) , Thomas #25, Thomas, Tucker Co., WV	--	25
36.	1907 -- Mar 15-16, Flooding , especially Wheeling, WV	--	22
37.	1907 -- May 01, Mine Gas Explos. , White Oak Fuel, Whipple Coal Mine, Scarboro WV	--	16
38.	1907 -- Dec 06, Mine Explosion , Monongah No. 6 & 8 Coal Mine, Fairmont WV	--	300- >500
39.	1908 -- Dec 29, Coal Mine Explosion , Pocahontas Coal Mine, Lick Branch, WV	--	50
40.	1908 -- Dec 30, Coal Mine Explosion , Coal Mine, Ennis, WV	--	100
41.	1909 -- Jan 12, Coal Mine Explosion , Pocahontas Collieries, Lick Branch WV	--	67
42.	1909 -- Mar 31, Coal Mine Explosion , Beury Bros. Coal Co., Echo Mine, Beury, WV	--	16

⁷¹⁵ 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.

West Virginia (continued)

43.	1910 -- Dec 31,	Mine Haulage failure , Lick Fork Coal, Red Jacket Mine, Thacker, WV--	10
44.	1911 -- Apr 24,	Coal Mine Explosion , Ott No. 20 Coal Mine, Elk Garden, WV	-- 23
45.	1911 -- Nov 18,	Coal Mine Explosion , Bottom Creak Coal Mine, Vivian, WV	-- 18
46.	1912 -- Mar 26,	Coal Mine Explosion , Jed Coal Mine, Jed, WV	-- 83
47.	1912 -- July 24,	Flooding , Cloudbursts, Wheeling, New Martinsville, Monongah, WV--	12
48.	1912 -- Sep 02,	Flooding , Cloudbursts, Panhandle, especially Colliers, WV	-- 20
49.	1913 -- Feb 10,	Miners & Mine Guards Clash , near Mucklow, Kanawha County, WV--	16
50.	1914 -- Apr 28,	Mine Explosion , New River Eccles No. 5 Coal Mine, Eccles WV	-- 183
51.	1915 -- Feb 06,	Mine Explosion , Carlisle Coal Mine, Oak Hill, WV	--20-22
52.	1915 -- Mar 02,	Mine Explosion , New River/Layland No. 3 Coal Mine, Layland, WV--	119
53.	1915 -- Nov 30,	Mine Explosion , Hanna Coal Co. Boomer Mine, Boomer, WV	-- 23
54.	1916 -- Jan 05,	Kanawha, in storm, hits tower, Capsizes , OH Riv. ~Parkersburg, WV--	16
55.	1916 -- Feb 02,	Steamer Sam Brown Boiler Explosion , Huntington, WV	-- 11
56.	1916 -- Mar 28,	Mine Explosion , King Coal Co., Mine No. 28, Vivian, WV	-- 10
57.	1916 -- Aug 9,	Flash Floods , Cabin Creek, Coal River, Paint Creek, Mud River, WV-60-100	
58.	1916 -- Oct 19,	Mine Explosion , Jamison Coal & Coke Co. Mine, Barrackville, WV	-- 10
59.	1917 -- Dec 15,	Mine Explosion , Yukon Pocahontas Coal Co. Mine, Susanna, WV	-- 18
60.	1918 -- May 20,	Mine Fire , Mill Creek Cannel Mining Co., Charleston, WV	-- 13
61.	1918, Oct 15-1920 --	Influenza and Pneumonia Epidemic , WV	--2,974
	1918 -- Oct 15-Nov 15,	Influenza Epidemic, WV	--2,818
	1919 --	Influenza and Pneumonia, Wheeling, WV	-- 156
62.	1919 -- Aug 14,	Train & Street Car Collide , Parmaco, near Parkersburg, WV	-- 15
63.	1920 -- May 19,	Matewan Massacre, coal miners/owners conflict , Mingo Co., WV	--10-11
64.	1921 -- May 12-15,	Battle of the Tug, coal mine labor conflict , Mingo County, WV	-- 6-20
65.	1921 -- Aug 27-Sep 3,	Battle of Blair Mt., Miners vs. Operators , Logan Co., WV	-16->50
66.	1922 -- Jul 17,	Striking Miners attack Saledka Mine, Sheriffs men , Cliftonville, WV--	9-21
67.	1923 -- Mar 02,	Mine Explosion , Weyanoke Coal Co. Coal Mine, Arista, WV	-- 10
68.	1923 -- Nov 06,	Mine Explosion , Raleigh-Wyoming, Glen Rogers Mine, Beckley, WV--	27
69.	1924 -- Mar 28,	Mine Explosion , Yukon Pocahontas Coal Co. Yukon #2 Mine, WV	-- 26
70.	1924 -- Apr 28,	Mine Explosion , Benwood Coal Mine, Benwood, WV	-- 119
71.	1925 -- Mar 17,	Mine Explosion , Bethlehem Mines Coal Mine, Barrackville, WV	-- 33
72.	1926 -- Jan 14,	Mine Explosion , Jamison Coal Co. Mine No. 8, Farmington, WV	-- 19
73.	1926 -- Mar 08,	Mine Explosion , Crab Orchard/Eccles No. 5 Coal Mine, WV	-- 20
74.	1927 -- Apr 30,	Mine Explosion , Federal No. 3 Coal Mine, Everettville, WV	-- 111
75.	1928 -- May 22,	Mine Explosion , Yukon Pocahontas Coal Mine # 1, Yukon, WV	-- 17
76.	1929 -- Jan 26,	Mine Explosion , Kingston Pocahontas Coal Mine, Kingston, WV	-- 14
77.	1930 -- Mar 26,	Mine Explosion , Crown Coal Co. Yukon Mine, Arnettville, WV	-- 12
78.	1931 -- Summer,	Heat , excessive heat deaths (WV subset, 2,768 U.S. deaths)	-- 29
79.	1934 -- July,	Heat Wave , WV (subset of 1,683 fatalities nationwide)	-- 12
80.	1934 -- Dec 27,	Mine Boiler Explosion , Engine Hauling Mine Workers, McDunn, WV--	19
81.	1936 -- Sep 02,	Mine Explosion , Hutchinson Coal Co., Macbeth, WV	-- 10
82.	1937 -- Jan 5-Feb 15 (generally),	Flooding , OH and MS River Valley areas	-- 13
83.	1937 -- Mar 11,	Mine Explosion , Hutchinson Coal Co., Macbeth, WV	-- 18
84.	1940 --	Polio , especially children (WV subset of 1,026 polio deaths nationwide)	-- 59

West Virginia (continued)

85.	1940 -- Jan 10, Mine Explosion , Pond Creek Coal Mine, Bartley, WV	--	91
86.	1942 -- May 12, Mine Explosion , Christopher No. 3 Coal Mine, Osage, WV	--	56
87.	1942 -- July 01, Plane Crash, US Army AF Douglas C-49E , Near Premier, WV	--	21
88.	1942 -- July 09, Mine Explosion , Pursglove Coal Mining No. 2, Pursglove WV	--	20
89.	1943 -- Jan 08, Mine Fire , Pursglove Coal Mine No. 15, Pursglove, WV	--	13
90.	1943 -- Aug 4/5, Flash Flood , Little Kanawha River Basin, central WV	--	23
91.	1943 -- Nov 06, Mine Explosion , Nellis No. 3 Coal Mine, Madison, WV	--	11
92.	1943 -- Nov 08, Mine Explosion , American Rolling Mill Co. Mine # 3, Nellis, WV	--	11
93.	1944 -- Mar 25, Mine Explosion , Kathrine Coal Mine No. 4, Lumberport, WV	--	16
94.	1944 -- Jun 23, "Appalachians" Tornadoes , Shinnston and elsewhere, WV	--	103
95.	1945 -- Apr 14, Plane Crash, PA-Central Airlines # 142 , near Morgantown, WV	--	20
96.	1946 -- Jan 15, Coal Mine Explosion , New River & Pocahontas, Havaco, WV	--	15
97.	1947 -- Jun 13, Plane Crash, PA-Central Air Flight 410 near Lookout Rock WV	--	50
98.	1950 -- June 24-25, Flash Flooding , 6 Counties, Central WV	--	31
99.	1950 -- Nov 24-27, "Storm of the Century," subset for WV	--	15
100.	1951 -- Jan 18, Mine Gas Explosion , Burning Springs Collieries Co., Kermit, WV	--	11
101.	1951 -- Apr 08, West Virginia National Guard Plane Crash , Charleston, WV	--	21
102.	1951 -- Oct 15, Mine Gas Explosion , Trotter Coal Co., Bunker Mine, Cassville, WV--	10	
103.	1951 -- Oct 31, Mine Dust Explosion , Truax-Traer Coal United No. 1, Wevaco, WV--	12	
104.	1952 -- Nov 26, Fire, Female Ward, Huntington State Mental Hosp. , Huntington--	17	
105.	1954 -- Nov 13, Mine Explosion , Jamison Coal Co. Mine No. 9, Farmington, WV	--	16
106.	1957 -- Feb 04, Mine Gas Explosion , Pocahontas Coal Mine No. 35, Bishop, WV	--	37
107.	1957 -- Dec 27, Mine Gas Explosion , Pocahontas Fuel Mine 31, Amonate, WV	--	11
108.	1958 -- Oct 27, Mine Gas Explosion , Pocahontas Fuel Mine No. 35, Bishop, WV	--	22
109.	1958 -- Oct 28, Mine Explosion , Oglebay Norton Coal/Burton Mine, Craigsville WV--	14	
110.	1960 -- Mar 08, Mine Fire , Island Creek Coal Co. No. 22, Holden, WV	--	18
111.	1963 -- Apr 25, Mine Gas Explosion , Clinchfield Coal Co., Compass 2, Dola, WV	--	22
112.	1967 -- Dec 15, Silver Bridge Collapse, vehicles fall , Ohio Riv., Point Pleasant, WV ⁷¹⁶	46	
113.	1968 -- Aug 10, Approach Crash, Piedmont Air Flight 230 , Charleston, WV	--	35
114.	1968 -- Nov 20, Mine Explosion , Consol No. 9 Coal Mine, Farmington, WV	--	78
115.	1969 -- June 8, Arson (Patricide), Bailey Family Home Fire , Parkersburg, WV	--	12
116.	1970 -- Nov 14, Plane Crash, Southern Airways Flight 932 , Huntington, WV	--	75
117.	1972 -- Feb 26, Dam Failure/Flooding Buffalo Coal Mining Co., Buffalo Creek, WV--	126	
118.	1972 -- Dec 15, Gas Explosion , Koppers Steel/Coke Plant, Weirton, WV	--	19
119.	1974 -- Aug 25, Fire, Washington House Hotel , Berkeley Springs, WV	--	12
120.	1978 -- Apr 27, Scaffold Collapse , Monongahela Power Co., Willow Island, WV	--	51
121.	1985 -- Nov 4-5, Flooding , Hurricane Juan remnants, multiple counties, WV ⁷¹⁷	--47-48	
122.	2006 -- Jan 02, Lightning/Mine Explosion , Sago Coal Mine, Tallmansville, WV	--	12
123.	2009 -- Feb 10-11, Tornadoes , Lone Grove, OK; Severe Wind, WV	--	12
124.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	22
125.	2010 -- Apr 05, Mine Gas Explosion , Upper Big Branch Coal Mine, Montcoal, WV--	29	
126.	2016 -- June 23-24, Flash Flooding , esp. Greenbrier (15) and Kanawha (6) Counties, WV--	23	

⁷¹⁶ Cross-listed in Ohio.

⁷¹⁷ Largest loss of life was in Grant (13-15), Hardy (6), Pendleton (16), and Pocahontas (5) counties.

Select West Virginia Other Loss of Life Events:

1870 -- Croup (WV subset of 10,692 deaths nationwide)	--	138
1870 -- Scarlet Fever , especially children (WV subset of 20,339 deaths nationwide)	--	157
1870 -- Tuberculosis (Consumption) (WV subset of ~70,000 TB deaths nationwide)	--	709
1870 -- Typhoid Fever (WV subset of 22,187 typhoid fever deaths nationwide)	--	167
1870 -- Whooping Cough (WV subset of 9,008 whooping cough deaths nationwide)	--	108
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	--	277
1879 -- June-May 1880, " Malarial Fever ," (WV subset, 20,231 such deaths nationwide)	--	49
1879 -- June-May 1880, Measles , esp. children (WV subset, 8,254 U.S. measles deaths)	--	106
1879 -- June-May 1880, Meningitis (WV subset of 7,481 meningitis deaths nationwide)	--	39
1879 -- June-May 1880, Scarlet Fever , esp. children (WV subset, 16,388 US S.F. deaths)	--	227
1879 -- June-May 1880, Tuberculosis (WV subset of 91,270 TB deaths nationwide)	--	877
1879 -- June-May 1880, Typhoid Fever (WV subset of 23,339 U.S. Typhoid deaths)	--	232
1879 -- June-May 1880, Whooping Cough (WV subset of 11,064 U.S. W.C. deaths)	--	125
1890 -- Typhoid Fever (WV subset of ~30,000 typhoid fever deaths nationwide)	--	457
1898 -- Typhoid Fever (WV subset of >3,300 deaths), 1 st and 2 nd WV Vol. Inf. US camps--		27
1900 -- Tuberculosis (9,588 WV deaths all causes) (109,750 US TB deaths)	--	1,273
1916 -- Polio , Sum-Winter, esp. Clarksburg, Elkins, Fairmont, Grafton, Huntington	--	≥13
1920 -- Influenza and Pneumonia , Wheeling, WV	--	190
1927 -- Polio (acute) esp. late Summer and Fall (WV subset, 2,013 U.S. polio deaths)	--	44
1931 -- "Epidemic Cerebrospinal Meningitis " (WV subset, 2,832 US meningitis deaths)	--	44
1931 -- Diphtheria , especially children (WV subset, 5,738 U.S. diphtheria deaths)	--	166
1931 -- Influenza (WV subset of 31,701 influenza deaths nationwide)	--	577
1931 -- Measles , especially children (WV subset, 3,576 measles deaths nationwide)	--	44
1931 -- Polio , esp. July-Oct, (WV subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	23
1939 -- Diphtheria , esp. Jan-Mar, Sep-Dec (WV subset of 1,997 U.S. diphtheria deaths)	--	55
1939 -- Influenza and Pneumonia (WV subset, 99,097 US influenza/pneumonia deaths)	--	1,584
1939 -- Tuberculosis (WV subset of 61,609 tuberculosis deaths nationwide)	--	811
1939 -- Whooping Cough (WV subset of 3,026 whooping cough deaths nationwide)	--	36
1940 -- Influenza and Pneumonia (WV subset of 92,525 US flu and pneumonia deaths)	--	1,504
1940 -- Tuberculosis (WV subset of 55,576 tuberculosis deaths nationwide)	--	803
1940 -- Whooping Cough (WV subset of 2,926 whooping cough deaths nationwide)	--	117
1941 -- Measles , especially children (WV subset of 2,279 measles deaths nationwide)	--	77
1944 -- Cerebrospinal Meningitis , WV (2,812 U.S. cerebrospinal meningitis deaths)	--	39
1944 -- Influenza (WV subset of 17,320 influenza deaths nationwide), esp. Jan-Apr, Dec	--	320
1944 -- Measles , especially Jan-June (WV subset of 1,923 measles deaths nationwide)	--	59
1944 -- Polio , the year, especially July-Nov (WV subset, 1,070 polio deaths nationwide)	--	24
1944 -- Tuberculosis (WV subset of 54,731 tuberculosis deaths nationwide)	--	764
1944 -- Whooping Cough (WV subset of 1,878 whooping cough deaths nationwide)	--	64
1949 -- March 4, Fire, Woolworth Dept. Store , firefighters killed, Charleston, WV	--	7
1950 -- Measles , especially children (WV subset of 468 measles deaths nationwide)	--	18
1951 -- Polio , especially children, WV	--	14
1953 -- Polio (WV subset of 1,450 polio deaths nationwide)	--	21

1954 -- Mar 19,	Kerosene explodes, home woodstove, fire, Spider Ridge ~Parkersburg WV ⁷¹⁸	-- 9
1982 -- Jan 10-16,	Winter Weather, especially extreme cold and ice	-- 1-9
1992 -- Oct 7,	WV Air National Guard C-130 Crash, Berkeley Springs, WV	-- 6
1993 -- March 13-14,	Superstorm of 1993	-- ≥9
1996 -- Jan 6-8,	Snow Storm (Blizzard of '96), WV	-- 6
2007 -- Jan 13,	Fire, Emmons Jr. Apartment Building, Huntington, WV	-- 9
2012 -- Mar 24,	Residential Home Fire, Charleston, WV	-- 9
2012 -- Oct 29-30,	Hurricane Sandy-induced blizzard/snow storm (subset of 154-155), WV-8	

Breakout of **West Virginia** Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 71 -- **Mining.** (5 cross-listed in Violence in that they were conflicts between miners and owners.)
- 15 -- **Flooding.**
- 10 -- **Disease,** select communicable, especially epidemics. (Plus 41 in "Other.")
- 8 -- **Violence.** (5 cross-listed in Mining in that they were conflicts between miners and owners.)
- 7 -- **Maritime/In-Land water craft.**
- 6 -- **Aviation.** (Plus one with 6 deaths.)
- 4 -- **Rail.**
- 3 -- **Fire, structural.** (Plus four -- three with 9 and one with 7 deaths in "Other.")
- 3 -- **Structural Failure.** (Feb 26, 1972 coal mine dam failure cross-listed in flooding.)
- 2 -- **Explosions.**
- 2 -- **Heat.**
- 2 -- **Tornado.**
- 1 -- **Road/Highway/Vehicular.** (Cross-listed in Structural Collapse; Silver Bridge Collapse.)
- 1 -- **Winter Weather.** (Plus 4 – ≥9 deaths in 1982, ≥9 in 1993, 6 in 1996, and 8 in 2012.)

⁷¹⁸ Cross-listed in Explosions. Burning kerosene was thrown on some if not all victims; home burned to ground.

1.	1832 -- Aug 2, Battle Island Massacre/Massacre of Bad Axe , WI	-- < 60
2.	1847 -- Nov 21, Steamboat <i>Phoenix</i> Fire, Sinks , Lake MI, off Sheboygan, WI	--160-258
3.	1849 -- Cholera Epidemic , especially Milwaukee, WI	-- ≤301
4.	1850 -- Cholera Epidemic , especially Milwaukee (>300), WI	-- ≥363
5.	1850 -- Apr 03, Sioux Massacre Chippewa men, women, children , Apple River, WI--	14
6.	1851 -- Cholera , esp. Bonnet Prairie vicinity and Muskego; also Madison, Watertown--	>20
7.	1854 -- Jul 7-Sep 19, Cholera , especially Madison and Shullsburg, WI	-- 20
8.	1855 -- Nov 03, Delaware Grounds , Lake MI Storm, 8m off Sheboygan, WI	-- 11
9.	1856 -- Sep 24, Sidewheel <i>Niagara</i> Burns/Sinks , Lake MI, off Port Washington, WI	-- 100
10.	1856 -- Oct 24, Toledo Sinks , Lake Michigan Storm, off Port Washington, WI	--30-55
11.	1859 -- Nov 01, Train Derails, Chicago & Northwestern , Johnson Creek, WI	-- 14
12.	1860 -- Scarlet Fever ; subset of 26,402 deaths in 38 Census States & DC ⁷¹⁹	-- 897
13.	1860 -- Sep 07, Steamer <i>Lady Elgin</i> Collision, Sinks , Lake MI off Winnetka, IL ⁷²⁰	-- 225
14.	1865 -- June 28, Tornado , Viroqua, WI	-- 22
15.	1868 -- Dec, Smallpox , Milwaukee, WI	-- 15
16.	1870 -- Smallpox (WI subset of 4,597 smallpox deaths nationwide)	-- 104
17.	1871 -- Oct 8-9, Wildfire/Firestorm , Peshtigo/NE WI vic.; Birch Creek MI ⁷²¹	--1,152-2,500
18.	1873 -- July 04, Tornado or Storm, Boats Capsize, Drownings, Green Lake, WI	-- 11
19.	1873 -- Sep 15, Storm, Steamship <i>Ironsides</i> sinks , Lake MI, near Grand Haven, MI ⁷²²	--18-27
20.	1875 -- Aug 26, Ships Collide, Comet & Manitoba , 7M SE Whitefish Point, WI	-- 11
21.	1878 -- May 23, Tornadoes , Mifflin/Linden/Waldwick Twps./Marshall/Mineral Point WI	--11
22.	1881 -- Sep 20, Tornado , Mondovi, Buffalo County, WI	-- 12
23.	1883 -- Jan 10, Fire (suspected arson), Newhall House (Hotel) , Milwaukee, WI	--70~90
24.	1883 -- Aug 23, Fire & Explosion , George-Whiting Paper Mill , Menasha, WI	-- 16
25.	1884 -- Oct 02, Washout , Omaha RR construction Train Derails , near Bayfield, WI	--10-12
26.	1886 -- Oct 28, Train Derailment and Fire, near East Rio, WI	-- 22
27.	1887 -- July 09, Fire, Alcazar Theater , and town Conflagration, Hurley, WI	--10-11
28.	1887 -- Oct 29, Steamer <i>Vernon</i> Founders , Lake MI. Storm, off Sheboygan, WI	--30-50
29.	1888 -- Aug 22, Fire & Bleach Explosion , George Whiting Paper Mill , Neenah, WI--	18
30.	1892 -- Oct 28, Fire/Conflagration , Milwaukee, WI	-- 10
31.	1893 -- Apr 20, Structural Crib Failure (Tunnel Construction) Drowning, Milwaukee--	15
32.	1894 -- Jan-Dec 17, Smallpox , Franklin, Juda, Mitchell, Wauwatosa, Milwaukee, WI	-- 317
33.	1894 -- July 26-30, Forest Fires , 8 counties, especially Phillips, Price County, WI	-- 20
34.	1896 -- Aug 6-7, Heat , Milwaukee, WI	-- 61
35.	1898 -- May 18, Tornadoes , esp. Marathon Co., also Price, Oneida, Langlade/Eau Claire--	21
36.	1899 -- Mar 06, Steamer <i>L.R. Doty</i> Founders , Lake Michigan, near Kenosha, WI	-- 17
37.	1899 -- Jun 12, Tornado , New Richmond, St. Croix County, & Polk County, WI	-- 119
38.	1900 -- Typhoid Fever (WI subset of 35,379 typhoid fever deaths nationwide)	-- 865

⁷¹⁹ Second leading known cause of death in the State in 1860, behind consumption.

⁷²⁰ Though sunk near IL coast, cross-listed in Wisconsin as most of the passengers were from Milwaukee, and one source notes 225 from Milwaukee were drowned amongst the complement (noted as high as 350 deaths).

⁷²¹ Many sources put fatality high-range at 1,500. Several sources put the high-range at 2,200 (Frank, 2003; Gess and Lutz, 2002, inside front cover), 2,400 (Hipke, 2008), or 2,500 (Gess and Lutz, 2002, p. 211).

⁷²² Though sunk off Grand Haven, MI, the boat was home-ported and mostly crewed in Milwaukee. At least a dozen Milwaukee fatalities occurred from this loss.

Wisconsin (continued)

39.	1900 -- Aug 7-10, Heat , especially Oshkosh and Milwaukee, WI	--	24
40.	1901 -- June-July (especially), Heat Waves (subset of 4,012 US heat deaths)	--	14
41.	1901 -- Sep 16, Steamer Hudson Founders in Gale, L. Sup. ~8M off Eagle River, WI--	24	
42.	1901 -- Nov 06, Fire, Klondyke Theater , Harley, WI	--	10
43.	1903 -- Oct 03, Storm, Steamer Erie L. Hackley Sinks , Green Bay ~Green Island, WI-11-12		
44.	1903 -- Oct 03, Tornadoes , Adams, Buffalo, Portage, and Trempealeau Counties, WI--	14	
45.	1905 -- July 7, Drownings , at Log Jam, Chippewa River, Little Falls Dam, WI	--	11
46.	1905 -- Nov 28, Ira H. Owen Wrecks , Lake Sup. Storm, Outer Isl., Apostles, WI	--	19
47.	1907 -- July 03, Tornadoes , Jackson, Juneau, Monroe, Sauk Counties, WI	--	11
48.	1910 -- Sep 9, Pere Marquette 18 Founders , Lake Mich., 20M off Sheboygan, WI	--25-30	
49.	1911 -- Mar 09, Powder Explosion , Laffin Rand Powder Co., Pleasant Prairie, WI	--	40
50.	1911 -- Sep 24, Train Collision with Hay Wagon at Crossing , Neenah, WI	--	15
51.	1912 -- Nov 23, Schooner Rouse Simmons Sinks , Lake MI Storm off Two Rivers, WI-11-17		
52.	1913 -- June 27-30, Heat , especially Milwaukee, WI	--	20
53.	1916 -- July 16-Aug 1, Heat , especially Milwaukee, WI	--	103
54.	1917 -- Jun 30, Christopher Columbus Collision /Water-tank Falls, Milwauk. Riv. WI-15-18		
55.	1917 -- Nov 24, Bomb Explosion, Central Police Station , Milwaukee, WI	--	10
56.	1918 -- Apr, 1919, Influenza and Pneumonia Epidemic , WI	--11,224-11,571	
	1918 -- Influenza and Pneumonia Epidemic, WI	--8,022-8,549	
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, WI	--3,202	
57.	1920 -- Scarlet Fever (WI subset, 4,004 scarlet fever deaths, 34 registration states) ⁷²³	--	257
58.	1920 -- Aug 20, Superior City Hit/Sinks , Lake Superior, Whitefish Bay, WI	--	29
59.	1924 -- Sep 21, Tornadoes , esp. Eau Claire, Ashland, Bayfield, Clark, Taylor Co's.	--33-34	
60.	1929 -- Apr 05, Tornadoes , Pierce, St. Croix, Dunn, Barron, Rusk, Sawyer Counties, WI--	12	
61.	1929 -- Oct 22, Rail Car Carrier Milwaukee Sinks , Lake MI Storm ~Kenosha, WI	--46-52	
62.	1929 -- Oct 29, Steamer S. S. Wisconsin Sinks , Lake MI Storm, off Kenosha, WI	--	9-16
63.	1930 -- Feb 23, Train/Car/Train Collisions , near Kenosha, WI	--	14
64.	1931 -- Sum., esp. June 25-July 2, July 15-19 & 28, Aug 6, Heat , esp. Milwaukee ⁷²⁴	--	295
65.	1933 -- Dec 26-28, Winter Storm/Coldwave , Pacific NW, Upper Mid-West, NE ⁷²⁵	--	21
66.	1934 -- July and Aug 12-14, Heat , (WI subset of 1,683 fatalities nationwide)	--	19
67.	1936 -- July 4-19, Heat , WI	--	469
68.	1939 -- Summer, Heat (subset of 527-1,073 heat deaths nationwide)	--	15
69.	1940 -- Nov 11/12, Armistice Day Storm , Blizzard, WI	--	13
70.	1947 -- Aug 3-7, Heat , especially Milwaukee, WI	--	11
71.	1948 -- Polio , especially July-Nov (WI subset of 1,895 polio deaths nationwide)	--	92
72.	1948 -- Aug 29, Plane Crash, Northwest Orient Flight 421 , NW of Winona, WI	--	37
73.	1950 -- Sep 02, Train Crash, Head-on , Milwaukee Rapid Transit, Milwaukee, WI	--	10
74.	1958 -- Jun 04, Tornadoes , esp. St. Croix, Dunn, Chippewa, Clark Counties, WI	--	28
75.	1960 -- July 18, Explosion (gas) and Fire, J.C. Penney Co. Dept. Store, Merrill, WI	--	10
76.	1972 -- Apr 04, Fire, Fair Hills Boarding/Nursing Home , Rosecrans, WI	--	10
77.	1972 -- Jun 29, Planes Collide mid-air , N. Central Air/Air Wisconsin, Appleton, WI	--	13

⁷²³ WI had the 2nd highest death rate, at 9.7 per 100,000, compared to 34 registration state average of 4.6.

⁷²⁴ Excessive heat deaths were only higher in the State of Illinois (at 632) in the summer of 1931.

⁷²⁵ WI Subset of storm taking 102-145 lives.

Wisconsin (continued)

78. 1985 -- Sep 6, Midwest Express Airlines 105 crash upon departure , Milwaukee, WI--	31
79. 1988 -- Summer Heat , especially Milwaukee County	-- 11
80. 1987 -- Sep 30, Fire, Residence , Milwaukee, WI	-- 12
81. 1995 -- Summer, esp. July 12-17, 30-31, Heat , esp. Milwaukee (95)	-- 154
82. 1999 -- Summer, Heat , esp. greater Milwaukee (WI subset of 1,050 heat deaths)	-- 18
83. 2001 -- Summer, Heat , (WI subset of 344 fatalities nationwide)	-- 24
84. 2002 -- Oct 11, Fog, Multi Vehicle Pileup , I-43, near Cedar Grove, WI	-- 10
85. 2005 -- Summer , Heat , WI	-- 12
86. 2006 -- Summer, Heat , WI	-- 10
87. 2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--41-55
88. 2012 -- especially July 1-7, Heat , heat-related deaths, WI	-- 24

Wisconsin Select Other Loss of Life Events:

1860 -- Croup (contagious upper airway viral infection), subset, 15,188 US croup deaths	-- 250
1860 -- Measles , especially children (WI subset of 3,900 measles deaths nationwide)	-- 55
1860 -- Smallpox (WI subset of 1,263-1,271 smallpox deaths in reporting States)	-- 15
1860 -- Tuberculosis ("consumption") (WI subset of 49,082 death nationwide) ⁷²⁶	-- 910
1860 -- Typhoid Fever (WI subset of 19,236 deaths in 38 "registration" States and DC)	-- 262
1860 -- Whooping Cough (WI subset of 8,408 whooping cough deaths nationwide)	-- 112
1865 -- Smallpox outbreak, Wolf Creek Menominee Native Settlement, WI	-- <u>>10</u>
1870 -- Diphtheria , especially children (WI subset of 6,303 deaths nationwide)	-- 186
1870 -- Measles , especially children (WI subset of 9,237 measles deaths nationwide)	-- 152
1870 -- Scarlet Fever , especially children (WI subset of 20,339 deaths nationwide)	--1,016
1870 -- Tuberculosis (Consumption) (WI subset of ~70,000 TB deaths nationwide)	--1,318
1870 -- Typhoid Fever (WI subset of 22,187 typhoid fever deaths nationwide)	-- 464
1870 -- Typhus (WI subset of 1,770 typhus deaths nationwide)	-- 31
1870 -- Whooping Cough (WI subset of 9,008 whooping cough deaths nationwide)	-- 241
1879 -- June-May 1880, Croup , esp. Oct-Dec, esp. children (17,966 U.S. croup deaths)	-- 340
1879 -- June-May 1880, Diphtheria , esp. Sep-Jan, esp. children (38,143 U.S. deaths)	--1,692
1879 -- June-May 1880, " Malarial Fever ," (WI subset, 20,231 such deaths nationwide)	-- 130
1879 -- June-May 1880, Measles , esp. children (WI subset, 8,254 U.S. measles deaths)	-- 66
1879 -- June-May 1880, Meningitis (WI subset of 7,481 meningitis deaths nationwide)	-- 60
1879 -- June-May 1880, Scarlet Fever , esp. children (WI subset, 16,388 US S.F. deaths)	-- 432
1879 -- June-May 1880, Tuberculosis (WI subset of 91,270 TB deaths nationwide)	--1,495
1879 -- June-May 1880, Typhoid Fever (WI subset of 23,339 U.S. typhoid deaths)	-- 365
1879 -- June-May 1880, Whooping Cough (WI subset, 11,064 US whoop cough deaths)	-- 122
1881 -- Jul 9-Dec 10, Smallpox , Kenosha (2), Madison (8), Milwaukee (2), WI	-- 12
1886 -- May 05, Strikers/bystanders shot by Wisc. militia , Bay View, Milwaukee, WI ⁷²⁷ --	7
1890 -- Influenza epidemic (La Grippe/Russian Flu), statewide, WI	-- 563
1890 -- Typhoid Fever (WI subset of ~30,000 typhoid deaths nationwide)	-- 198
1893 -- Jun 21, Lightning strikes Ringling Brothers Circus Tent, River Falls, WI	-- 7

⁷²⁶ Was the leading reported cause of death in the State and in the U.S. in 1860.

⁷²⁷ Six marching strikers and one bystander, a boy of 13. No warning shots were fired.

Select Wisconsin Other Loss of Life Events (continued)

1895 -- Mar 23-Jun 17, Smallpox , De Pere, Greenfield, Lawrence, Milwaukee, WI	--	15
1898 -- Typhoid Fever (WI subset of >3,300 deaths), 1 st , 2 nd , 3 rd , WI Vol. Inf., US camps--		98
1900 -- Tuberculosis (24,928 WI deaths all causes) (109,750 US TB deaths) ⁷²⁸	--	2,350
1908 -- Polio , Summer, especially children, WI	--	61
1912 -- Jan-Mar, Tuberculosis , WI	--	669
1914 -- Aug-Nov, Polio , especially children, WI	--	11
1915 -- Aug-Nov, Polio , especially children (subset of 311 polio deaths nationwide)	--	11
1915 -- Winter, Influenza and Pneumonia , WI	--	490
1916 -- Diphtheria , especially children, WI	--	213
1916 -- Jul-Dec 9, Polio , esp. children, multiple places, WI (~6,700-7,000 US polio deaths)--		79
1917 -- Polio , esp. June-Sep, especially children (WI subset, ≥1,182 U.S. polio deaths)	--	25
1918 -- Typhoid Fever (WI subset of 9,100 U.S. Typhoid Fever deaths)	--	94
1918 -- Jun-Nov 25, Polio , especially children, 23 Counties, WI	--	39
1920 -- Diphtheria & Croup (WI subset of 13,395 deaths in 34 registration states)	--	383
1920 -- Influenza and Pneumonia , "registration cities," WI	--	2,077
1920 -- Measles (WI subset of 7,712 measles deaths in 34 registration states)	--	234
1920 -- Smallpox (WI subset of 508 smallpox deaths reported in 34 registration states)	--	10
1920 -- Typhoid Fever (WI subset of 6,805 typhoid fever deaths, 34 registration states)	--	65
1920 -- Whooping Cough (WI subset, 10,968 whooping cough deaths in 34 reg. states)	--	299
1921 -- Polio (Acute) esp. late Summer-Fall (WI subset, 1,597 U.S. polio deaths)	--	69
1927 -- Polio (Acute) esp. late Summer-Fall (WI subset, 2,013 polio deaths nationwide)	--	41
1931 -- "Epidemic Cerebrospinal Meningitis " (WI subset, 2,832 US meningitis deaths)	--	40
1931 -- Diphtheria , especially children (WI subset, 5,738 U.S. diphtheria deaths)	--	55
1931 -- Influenza (WI subset of 31,701 influenza deaths nationwide)	--	575
1931 -- Measles , especially children (WI subset, 3,576 measles deaths nationwide)	--	42
1931 -- Polio , esp. July-Oct, (WI subset of 2,139-2,144 U.S. polio deaths, esp. children)	--	49
1939 -- Influenza and Pneumonia (WI subset, 99,097 U.S. influenza/pneumonia deaths)--		2,049
1939 -- Tuberculosis (WI subset of 61,609 tuberculosis deaths nationwide)	--	771
1939 -- Whooping Cough (WI subset of 3,026 whooping cough deaths nationwide)	--	43
1940 -- Influenza and Pneumonia (WI subset of 92,525 U.S. flu and pneumonia deaths)	--	1,836
1940 -- Polio (WI subset of 1,026 polio deaths nationwide)	--	46
1940 -- Tuberculosis (WI subset of 55,576 tuberculosis deaths nationwide)	--	730
1940 -- Whooping Cough (WI subset of 2,926 whooping cough deaths nationwide)	--	30
1941 -- Measles , especially children (WI subset of 2,279 measles deaths nationwide)	--	26
1944 -- Cerebrospinal Meningitis (WI set, 2,812 U.S. cerebrospinal meningitis deaths)	--	55
1944 -- Influenza , esp. Jan-Apr, Dec (WI subset of 17,320 U.S. influenza deaths)	--	346
1944 -- Measles , especially Jan-June (WI subset of 1,923 measles deaths nationwide)	--	43
1944 -- Polio , the year, especially July-Nov (WI subset of 1,070 polio deaths nationwide)	--	31
1944 -- Tuberculosis (WI subset of 54,731 tuberculosis deaths nationwide)	--	726
1944 -- Whooping Cough (WI subset of 1,878 whooping cough deaths nationwide)	--	23
1946 -- Polio , especially July-Nov (WI subset of 1,845 polio deaths nationwide)	--	88
1949 -- Polio , especially July-Nov (WI subset of ~2,725 polio deaths nationwide)	--	73
1950 -- Polio , especially July-Nov (WI subset of 1,904 polio deaths nationwide)	--	55

⁷²⁸ Leading cause of death in State in 1900, with pneumonia second with 2,022 deaths.

1951 -- Polio , especially July-Nov (WI subset of 1,551-1,555 polio deaths nationwide)	--	74
1952 -- Polio , especially children, WI	--	43
1953 -- Polio , especially children (WI subset of 1,450 polio deaths nationwide)	--	22
1959 -- March 16, Fire, residence (father and five children) , Superior, WI	--	6
1960 -- Measles , especially children (WI subset of 380 measles deaths nationwide)	--	11
1982 -- Jan 7-16, Winter Weather, especially extreme cold	--	9
1983 -- Summer Heat , Calumet, Iowa, Jefferson and Washington Counties (596 US deaths)--	5	
1984 -- June 7, Tornado , Iowa and Dane Counties	--	9
1991 -- Feb 3, Cessna 182 Parachute Plane collides with private plane , Osceola, WI	--	7
1994 -- Jan 14-21, Extreme Winter Cold and Snow , WI	--	6
2002 -- March 26, Retirement Home Bus Crashes into van , Dodge County, WI	--	8
2002 -- Summer, Heat , WI subset of ~400 heat-related fatalities nationwide	--	8
2003 -- Summer, Heat , WI subset of 308 heat fatalities nationwide	--	9
2010 -- Summer, Heat , WI subset of 284-285 heat fatalities nationwide	--	9
2011 -- Summer, Heat , WI subset of 589-602 heat fatalities nationwide	--	5
2012 -- Aug 05, Sikh Temple of Wisconsin Rampage Mass Shooting , Oak Creek, WI	--	7

Breakout of Wisconsin Large-Loss-of-Life Events (10 or more fatalities) by Type:

- 18 -- **Heat**. (Plus 5 <10 deaths: 5 in 1983, 9 in 2003 and in 2010, 8 in 2002, and 5 in 2011.)
- 18 -- **Maritime/Inland watercraft**
- 13 -- **Disease**, select communicable, especially epidemics. (Plus 73 in "Other.")
- 11 -- **Tornadoes**. (Plus 9 deaths on June 7, 1984.)
- 8 -- **Fire, Structural** (Plus one with six deaths in "Other.")
- 6 -- **Rail**
- 3 -- **Aviation**. Plus one in 1991 with 7 deaths.
- 3 -- **Violence**. (Plus two with 7 fatalities each.)
- 2 -- **Explosions**
- 2 -- **Fire, Forest/Wildfire**.
- 2 -- **Vehicular – Road/Highway**. (One cross-listed with Rail; plus one with 8 deaths in 2002.)
- 2 -- **Winter Weather**. (Plus 2 events <10 deaths: 9 in Jan 1982 and one 6 in Jan 1994.)
- 1 -- **Drowning (non-maritime/in-land watercraft and non-flood)**
- 1 -- **Flooding** (A washout cross-listed in Rail category.)
- 1 -- **Structural Failure**
- 0 -- **Lightning**. (Though 8 died in 1893 with a Ringling Brothers Circus tent strike.)

WY

Wyoming

1.	1881 -- Mar 04, Almy Coal Mine Explosion , Almy, WY	--	38
2.	1885 -- Sep 2-3, Racial/Union Violence, Chinese Strikebreakers , Rock Springs, WY--	28	
3.	1886 -- Jan 12, Explosion, Almy No. 4 Coal Mine , Almy, WY	--	13
4.	1895 -- Mar 20, Mine Explosion , Red Canyon Coal Mine, Red Canyon, ~Evanston, WY--	60	
5.	1901 -- Feb 25, Coal Mine Fire , Diamondville No. 1, Diamondville, WY	--	26
6.	1901 -- Oct 26, Mine Explosion , Diamondville Coal Mine, Diamondville, WY	--	22
7.	1903 -- Jun 30, Mine Explosion , Coal Mine Hanna No. 1, Hanna, WY	--	169
8.	1905 -- Dec 02, Explosion, Diamondville #1 Coal Mine , Diamondville, WY	--	18
9.	1905 -- Dec 7, Trains collide , Union Pacific freight/Overland Ltd., ~Rock Springs WY--	10	
10.	1906 -- Mar 26, Flooding, Bridge Fails Under Train , near Natrona, WY	--	10
11.	1908 -- Mar 28, Coal Mine Explosion , Hanna No. 1, Hanna, WY	--	59
12.	1911 -- Oct 28, Train Wreck , Union Pacific Railroad, near Cheyenne, WY	--	20
13.	1918 -- Sep-Apr, 1919 -- Influenza and Pneumonia Epidemic , WY	--	1,175
	1918 -- Sep-Dec, Influenza and Pneumonia Epidemic, WY	--	813
	1919 -- Jan-Apr, Influenza and Pneumonia Epidemic, WY	--	362
14.	1923 -- Aug 14, Explosion, Frontier Mine , Kemmerer, WY	--	99
15.	1923 -- Sep 27, Flooding, Bridge Washout/Train Derailment , near Lockett, WY	--	31
16.	1924 -- Sep 16, Coal Mine Explosion , Sublet No. 5, Sublet, WY	--	39
17.	1927 -- Apr 06, Explosion, Oil Refinery, Parco , WY	--	17
18.	1935 -- Oct 07, United Airlines Airport Approach Crash , Cheyenne, WY	--	12
19.	1937 -- Aug 21, Blackwater Wildfire , Shoshone National Forest, WY	--	15
20.	1943 -- Feb 25, U.S. Army Air Force B-17 Crash , near Glenrock, WY	--	10
21.	1943 -- June 28/29, Plane Crash, USAAF B-17 , Big Horn Mts., Cloud Peak, WY	--	10
22.	1943 -- Aug 14, USAAF B-24E Plane Crash , Shoshone Nat. Forest, ~Dubois, WY	--	11
23.	1944 -- Nov 13, USAAF C-47 Crashes near Army Air Base, Casper, WY	--	11
24.	1946 -- Jan 31, Plane Crash, United Air Lines Flight 14 , Elk Mountain, WY	--	21
25.	1946 -- Oct 17, National Air Transport Service Crash , Laramie, WY	--	13
26.	1949 -- Jan 2-5, Blizzard and Extreme Cold , especially Southeast WY	--	12
27.	1950 -- Nov 23, Plane Crash, New Tribe Mission DC-3 , Mt. Moran, WY	--	24
28.	1951 -- Polio , especially July-Nov (WY subset of 1,551-1,555 U.S. polio deaths)	--	30
29.	1951 -- Nov 12, Trains Collide , Snowstorm, Union Pacific Railroad, Evanston, WY	--	17-18
30.	1955 -- Oct 06, United Flight 409 Crash , Medicine Bow Peak, near Centennial WY	--	66
31.	1985 -- Aug 01, Supercell Thunderstorm and Flash Flooding , Cheyenne, WY	--	12
32.	2009 -- Especially Fall/Winter, H1N1 Swine Flu (subset of >12,000 U.S. deaths)	--	10

Other:

1801-1802 --	Smallpox , Native Americans, especially Crow and Wyoming	--	?
1879 -- June-May 1880,	Diphtheria , esp. Sep-Jan, esp. children (WY set, 38,143 US deaths)--	18	
1879 -- June-May 1880,	Scarlet Fever , esp. children (WY subset, 16,388 U.S. S.F. deaths)--	37	
1890 --	Typhoid Fever (WY subset of ~30,000 typhoid fever deaths nationwide)	--	25
1900 --	Tuberculosis (767 WY deaths all causes) (109,750 US TB deaths)	--	51
1918 --	Typhoid Fever (WY subset of 9,100 U.S. typhoid fever deaths)	--	18
1935 -- May 30,	Downbursts and Flooding , WY	--	5
1940 --	Polio , especially children (WY subset of 1,026 polio deaths nationwide)	--	10

Breakout of Wyoming Large-Loss-of-Life Events by Type

- 11 -- **Mining.** (Cross-listing in Violence -- conflict involving mine strike-breakers.)
- 9 -- **Aviation** (Plus 1 with 9 deaths in "Other.")
- 5 -- **Rail.**
- 3 -- **Disease, select communicable, especially epidemics.** (Plus 7 in "Other.")
- 3 -- **Flooding/Flash Flooding.** (Plus 5 deaths in May 1935 flooding.)
- 2 -- **Structural Failure.** (Cross-listed in Rail --both flood caused washouts of train bridges.)
- 1 -- **Explosion.**
- 1 -- **Violence.** (Cross-listing in Mining -- conflict involving mine strike-breakers.)
- 1 -- **Wildfire.**
- 1 -- **Winter Storm.**

At Sea:

1907 -- Nov 24, Last contact with Ship Bangalore , Lost, Norfolk VA to Honolulu	--	21
1908 -- Aug 27, Last report from Ship Fort George , Lost NY, NY to Honolulu, HI	--	20

Atlantic Ocean:

1800 -- Feb 01, U.S. Frigate <i>Constellation</i> engagement with French <i>La Vengeance</i>	--	160
1800 -- Sep 20 (after), USS <i>Insurgent</i> disappears after leaving Hampton Roads, VA	--	340
1815 -- Aug 8, Last sighting of Sloop-of-War USS <i>Epervier</i> , Lost, Atlantic Ocean	--	134
1820 -- Jan 11, Last sighting of Schooner USS <i>Lynx</i> , Lost, St. Mary's, GA to Jamaica	--	50
1831 -- Jul-Aug, Schooner USS <i>Sylph</i> Lost after leaving Pensacola, FL	--	13
1853 -- Dec 24-Jan 2, 1854, Troopship <i>San Francisco</i> Stricken, Storm, off East Coast	--150-300	
1856 -- Jan 23, Amer. Steamer <i>Pacific</i> leaves Liverpool, Sinks, Irish Sea ~Wales ⁷²⁹	--	186
1865 -- Oct ~24, Steamer <i>D.H. Mount</i> Lost, Atlantic, Cape Hatteras NC to Jacksonville FL	--	24
1867 -- Jan-Feb, Amer. Bark <i>John Bright</i> strands near Nootka Isl., BC, crew murdered	--	14
1880 -- Jan, Barkentine <i>Ray R. Sharp</i> , Philadelphia, PA for Lisbon, Portugal, Lost at Sea	--	13
1880 -- Aug, Bark <i>Emma C. Litchfield</i> , St. Mary's, GA to Buenos Aires lost at sea	--	10
1880 -- Aug 28, Bark <i>Miriam</i> , Pensacola, FL to Rio de Janeiro, Lost at Sea	--	13
1880 -- Aug 29, Bark <i>Alfred</i> , Pascagoula, MS for Trinidad Island, Spain lost at sea	--	13
1885 -- Aug, Schooner <i>Washington</i> , Appalachicola, FL to NYC, Lost at Sea	--	10
1885 -- Oct, Bark <i>Bertha</i> , Sand Key, Turk's Isl. for Boston, Lost at Sea	--	13
1886 -- Jan 8-10, Gale, Coast of New Jersey and New England, & maritime event	--	23
1889 -- Nov 20, Steamer <i>Manhattan</i> sinks, collision, Sch. <i>Agnes Manning</i> , off DE	--10-12	
1908 -- July 24, Bark <i>Auburndale</i> Lost from Turks Island (Carib.) to Philadelphia, PA	--	10
1909 -- Jan 25, Schooner <i>William C. Tanner</i> Lost, Rockport, MA to Key West, FL	--	10
1909 -- Dec 24, Steamer <i>Columbia</i> Lost, out of NYC, NY to Port au Prince, Haiti	--	11
1910 -- Oct 11-14, Steamship <i>Arkadia</i> Lost, from New Orleans, LA to San Juan, P.R.	--	37
1912 -- Apr 14, RMS <i>Titanic</i> Hits Iceberg/Sinks (1,517 total fatalities ⁷³⁰) No. Atlantic	--	119
1917 -- Mar 06, Ship <i>Timandra</i> Lost after leaving Norfolk, VA	--	19
1917 -- Mar 16, Ship <i>Vigilancia</i> (NY to Archangel) torpedoed, German Sub, Atlantic ⁷³¹	--	15
1917 -- Mar 21, Steamer <i>Healdton</i> Torpedoed, German Sub, North Sea ⁷³²	--	19
1917 -- Apr 01, U.S. Steamer <i>Aztec</i> Hit by German Sub Torpedo, Atlantic, off France ⁷³³	--	29
1917 -- Sep 03, Bark <i>Alice Knowles</i> Founders 200 miles Northeast of Bermuda	--	31
1918 -- Apr 05, Ship <i>Avon</i> Departs NY, NY, not heard from again, presumed lost	--	17
1918 -- Oct 04, Steamer <i>San Sabo</i> strikes mine, 15 miles SW of Barnegat, NJ ⁷³⁴	--	30
1919 -- Mar ~28, Boston Tug <i>Charles W. Parker, Jr</i> , Norfolk to Boston, Storm/Lost	--	17
1919 -- Sep 9~, Steam Freighter <i>Munisla</i> Lost at Sea, Atlantic, from Mobile to Havana ⁷³⁵	--	28
1919 -- Sep 10-14, Hurricane, Steamer <i>Lake Conway</i> Lost, Atlantic, Philly to Havana ⁷³⁶	--	32

⁷²⁹ 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.

⁷³⁰ Of the 1,517 fatalities, 119 were U.S. citizens. The *Titanic* was headed for New York. (J.R. Henderson)

⁷³¹ U.S. was not at war at the time. Congress declared war on April 6, 1917.

⁷³² U.S. was not at war at the time. Congress declared war on April 6, 1917.

⁷³³ U.S. was not at war at the time. Congress declared war on April 6, 1917.

⁷³⁴ Cross-listed in Maritime.

⁷³⁵ Cross-listed under Hurricane.

Atlantic Ocean (Continued):

1919 -- Dec 26, Schooner <i>Eleanor A. Percy</i> Founders of coast of Ireland	--	13
1920 -- Jan 29, Steamer <i>Samuel Faunce</i> lost, Wilmington, NC to Key West FL ⁷³⁷	--	13
1920 -- Feb 29, Steamer <i>Cubadist</i> Lost from Cuba to Baltimore MD	--	37
1921 -- Oct 24, Last com. with Oil Tanker <i>Santa Rita</i> , New Orleans to Italy, Lost	--	35
1941 -- Mar 24, Steamer <i>Cities Service Denver</i> Explosion/Fire, off NC/SC coast	--	19-20
1941 -- Oct 17, USS <i>Kearny</i> Torpedoed by German Submarine, Atlantic, off Iceland	--	11
1941 -- Oct 31, USS <i>Reuben James</i> Sunk, German Submarine, Atlantic, near Iceland	--	115
1942 -- Mar 05, USAAF Boeing Y1B-17 Lost out of Langley Field, VA, off East Coast.	--	8
1944 -- July 26, US Army AF Douglas C-54 Crashes off Greenland, Atlantic Ocean	--	26
1945 -- Jan 09, USAAF B-29 Plane Lost, Atlantic, off Southeast Coast	--	16
1945 -- Dec 06, Five Navy Bombers, Rescue Craft Lost in Bermuda Triangle, Atlantic	--	27
1948 -- May 09, USN PBY-6A Catalina Plane Lost, San Juan, PR to Key West, FL	--	12
1951 -- Mar 22, USAF C-124A Globemaster from Loring AFB Explodes, No. Atlantic	--	53
1951 -- Oct 15, USAF C-97 Lost, North Atlantic, Azores to Westover AFB, MA	--	11-12
1954 -- Dec 05~, M/V <i>Southern Districts</i> Disappears off East Coast, Atlantic Ocean	--	23
1956 -- Mar 02, USAF C124C Globemaster II Crash, Atlantic, Iceland to US	--	17
1956 -- Oct 10, USN MATS Transport Plane lost from UK to Lincoln AFB, NE ⁷³⁸	--	59
1961 -- Jan 15, Nor'easter, USAF Radar Platform 4 Fails, 75M E. of Barnegat, NJ	--	27-28
1963 -- Aug 28, Apparent Mid-Air Collision, two USAF Tankers, off East Coast	--	11
1965 -- July 11, Fire, Plane Crash, USAF Constellation, Atlantic ~100M off Nantucket, MA	--	16
2015 -- Oct 1, U.S. cargo ship <i>El Faro</i> sinks / Hurricane Joaquin, off east Bahamas ⁷³⁹	--	33

Caribbean:

1781 -- Mar 18, Gale, Continental Sloop <i>Saratoga</i> Lost off the Bahamas, Caribbean	--	~ 86
1799 -- June-July, Frigate USS <i>General Greene</i> , Yellow Fever, Cuba to Portsmouth NH ⁷⁴⁰	--	>20
1799 -- Nov-Feb 1880, Ship USS <i>Delaware</i> , Yellow Fever, Curacao, Caribbean ⁷⁴¹	--	20
1822 -- May 8-July 24, ⁷⁴² Yellow Fever, U.S. Frigate <i>Macedonian</i> , Caribbean ⁷⁴³	--	101
1824 -- Oct 28, Schooner USS <i>Wildcat</i> Founders, Gale, Cuba to Thompson's Isl. W.I.	--	~31
1829 -- Sep 29, Brig USS <i>Hornet</i> Disappears, Gale off Tampico, Caribbean	--	145
1851 -- Jan 07, Brig <i>Martha Sanger</i> , California to NY, wrecks on reef, Caribbean	--	27
1872 -- Oct 33, Screw Steamer <i>Missouri</i> Fire off Abaco Light, Lucaya, Bahamas	--	50-80
1885 -- May, Bark <i>Carrie E. Long</i> hit by lightning, sinks near Bahamas, Caribbean Sea	--	4
1898 -- Feb 15, Battleship USS <i>Maine</i> Magazine Explosion, Havana Harbor, Cuba	--	263-268
1903 -- Aug, Hurricane, Steamer <i>George W. Kelley</i> lost, Caribbean, for New Orleans, LA	--	19
1906 -- Apr 13, Battleship USS <i>Kearsarge</i> Turret Powder Fire off Cape Cruz, Cuba	--	10

⁷³⁶ Cross-listed in Hurricane.

⁷³⁷ I assume that the *Fortune*, reported as going down off GA, and *Samuel Faunce* events refer to the same event and that one of the sources is wrong.

⁷³⁸ Cross-listed in Nebraska, the home duty station of 50 of the 59 servicemen who died.

⁷³⁹ Twenty-eight U.S. nationals and five Polish nationals.

⁷⁴⁰ There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

⁷⁴¹ There were at least 1,355 yellow fever deaths in 1799 – principally Charleston, SC, NYC, and Philadelphia.

⁷⁴² The dates are from the time of the first reported case until sailing back to the Baltimore Navy Yard on July 24.

⁷⁴³ A subset of 879-923 yellow fever deaths in 1822.

1916 -- Aug 29, Cruiser USS <i>Memphis</i> driven to shore by Giant Waves, Santiago Dom. R.--	41
1918 -- Mar 04, Last sighting of Collier USS <i>Cyclops</i> , off Barbados, Caribbean	-- 306
1919 -- Jan 10, Steamer <i>Yuna</i> Grounds, Monchoir Bank, Bahamas, Caribbean	-- 64
1944 -- Aug 08, Pan Am #218 <i>Hong Kong Clipper</i> Crashes off Antilla, Cuba	-- 17
1980 -- Sep 12, Florida Commuter Airlines Crash (not found) off Freeport, Bahamas	-- 34

Chesapeake Bay:

1810 -- Sep 11, USN <i>Gun Boat # 159</i> Sinks in Gale in Chesapeake Bay	-- 13
1820 -- Mar 6, USN Chartered Schooner <i>Quaker</i> Sinks in Gale, Chesapeake Bay	--41-46
1883 -- Nov 12, Gale, Chesapeake Bay, Sloop <i>Anne Gertrude</i> , other Vessels Lost	-- 9-20
1889 -- Mar 16, Portland, ME Bark <i>E.L. Pettengill</i> , Wrecks, Chesapeake Bay	-- 14

Great Lakes:

1886 -- Nov 15-18, Great Lakes Region Storm, Maritime Disaster	-- 39
1893 -- Oct 13-15, <i>Dean Richmond</i> , <i>Wocoken</i> , others, lost, Great Lakes Storm ⁷⁴⁴	--59-67

Gulf of Mexico:

1857 -- Nov 12 or 15, <i>Opelousas</i> & <i>Galveston</i> Collide, Gulf of MX off LA Coast	-- 18
1910 -- Oct 10-14, Steamship <i>Arkadia</i> Lost at Sea, Gulf of Mexico	-- 37
1912 -- Dec 15, Schooner <i>S.O. Co. No. 87</i> Founders, Gulf of Mexico	-- 10
1915 -- Aug 14-15, United Fruit Co. Steamer <i>Marowijne</i> Sinks, Hurricane, Gulf of Mx.	--87-98
1919 -- Sep 09, Steamer (screw) <i>Munisla</i> departs Mobile, AL for Cuba, Lost at Sea	-- 28
1930 -- Jan 28, <i>Edgar F. Coney</i> Sinks/Storm, Gulf of Mex. ~70m off Sabine Pass, TX	-- 14
1942 -- May 6, Plane Lost, Army Air Force B-17 Training Flight, Gulf of Mexico	-- 10
1951 -- Apr 20, Esso <i>Greensboro</i> /Esso <i>Suez</i> Collide in Fog, Gulf of Mexico	-- 39
1959 -- Nov 16, Plane Crash, National Airlines Flight 967, Gulf of Mexico	-- 42
1964 -- Jun 30, Explosion/Fire, Drilling Barge <i>C.P. Baker</i> , Gulf of Mexico	-- 22

Lake Erie:

1852 -- Aug 20, Fog, Collision, <i>Atlantic</i> Burns/Sinks, Lake Erie ~Long Pt. Ont.	--100~300
1864 -- Aug 10, Propeller Racine boiler Explosion, Lake Erie, off Rondeau, Ontario	-- 12
1902 -- Nov 23, Freighter <i>Silvanus J. Macy</i> Sinks, Lake Erie Storm	-- 14
1909 -- Dec 08, Coal Car Ferry <i>Marquette</i> & <i>Bessemer No. 2</i> Lost, Lake Erie	--30-36
1916 -- Oct 20-21, <i>Merida</i> , <i>D.L. Flyer</i> , <i>James B. Colgate</i> Sink, Storm, Lake Erie	--54-59

Lake Huron:

Lake Michigan:

1864 -- Nov 8, <i>Mojave</i> Sinks, mid Lake Mich. between Sheboygan WI, Big Sable Pt. MI	-- 10
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⁷⁴⁴ Three fatalities were in Buffalo when a building collapsed on three boys. One person was swept into the Niagara River and drowned.

Lake Ontario:

1813 -- Aug 08, Schooners USS *Hamilton* & *Scourge* Capsize, Squall, Lake Ontario -- >80
1882 -- Dec 05, Sch. *Henry Folger* Grounds on Reef, Salmon Pt., Lake O. ~Wellington, Ont.-- 16

Lake Superior:

1887 -- Nov 17-19, Northeaster, Lake Superior, Thirty Shipwrecks -- ~ 40

Mississippi River:

1811 -- Dec 16-Feb 7, 1812, New Madrid Earthquakes -- ~200
1828 -- May, Steamer *Car of Commerce* Boiler Explosion, MS Riv., 110m s. of OH Riv. -- 30
1845 -- Dec 18/19, Steamer *Belle Zane* Snags/Capsizes, Miss. River, Island No. 75 --30-76
1850 -- May 07, Flue Collapse, Steamboat *Columbus*, Mississippi River, Island 4 -- 15
1852 -- Jan 14, Steamer *Martha Washington* Burns, Miss. River, Island #65 ~Jackson Pt. -- 5-10
1855 -- Mar 27, Steamer *Bulletin No. 2* Burns, Mississippi River, Tompkin's Bend -- 23
1857 -- Feb 21, Steamer *Humbolt* sunk by *Belfast*, chute of Island No. 75, Miss. River -- 15
1858 -- Feb 04, Steamer *Colonel Crossman* boiler explos., MS Riv. near New Madrid MO-- ~15
1858--Jun 13, *Pennsylvania* boiler explos./fire, MS Ri., Hardin Pt. ~Austin MS/Helena AR-60-160
1864 -- Oct 30, Union packet *Universe* snags/sinks, MS Riv., between Islands 35 & 36 -- 17
1866 -- Feb 2, Steamboat *W.R. Carter* Boiler Explosion, Miss. River, Island No. 98 --123-215
1870 -- Dec 18, *Nick Wall* Snags/Sinks Miss. River, ~Napoleon, AR & Princeton, MS -- 39
1925 -- May 8, U.S. Steamer *Norman* Capsizes, MS Riv, 16 mi. S of Memphis, TN --18-22
1927 -- Apr-May, Rain, MS River Flood/Levee Breaks, MS, AR, LA, KY, MO --246-1,000

Ohio River:

1850 -- Oct 5, Steamer *Kate Fleming* Boiler Explos., OH R. Mouth⁷⁴⁵ ~Walker's Bar -- 9-11
1868 -- Mar 18, *Magnolia* Boiler Explos./Fire, OH Riv., ~Cincinnati OH & California KY-35-83

Pacific Ocean

1839 -- May 08, Last seen, Schooner USS *Sea Gull*, Tierra del Fuego to Valparaiso, Chile-- 15
1846 -- Dec 08, Storm, U.S. Naval Brig *Somers* Capsizes off Vera Cruz, Mexico, Pacific --30-32
1850 -- Sep 20, Barque *Emily* from SF, Cal., lost off Cape St. Lucas, Baja, Mex.⁷⁴⁶ -- ~198
1866 -- May 03, Clipper *Hornet*, NY to San Francisco, burns sinks, Pacific Ocean -- 16
1888 -- May 03 Schooner *Isabel*, San Francisco to Shamagin Island, AK, Lost -- 14
1894 -- Sep 27, Ship *Ivanhoe* leaves Seattle for SF, lost in storm off WA/OR coast --23-24
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, N. Pacific -- 10
1918 -- Sep 17, Steamer *San Gabriel* Founders off Cape Lucas, Mexico, Pacific -- 20
1918 -- Oct 16, Fire, Steamer *Dumaru*, Pacific Ocean, 22 miles off Guam -- 18
1921 -- Feb 26, U.S. Destroyer *Woolsey* hit by *Steel Inventor*, Sinks, off Panama, Pacific -- 16
1921 -- Mar 21, Ocean-going Tug USS *Conestoga* leaves Mare Island, CA, Lost -- 56

⁷⁴⁵ This would put the event between Illinois and Kentucky.

⁷⁴⁶ Later reports deny this event happened. It is not included in our numbers – listed to show it is nor an oversight.

1923 -- Feb 20, <i>Alta</i> Sails from San Pedro, CA for Bellingham, WA, Lost	--	15
1938 -- Jul 29, Pan Am Air's "Hawaii Clipper" out of Alameda CA, lost, Pacific	--	15
1943 -- Apr 29, USAAF B-24 Lost, Hamilton Field, CA to Hickam Field, HI	--	10
1944 -- Feb 16, USN Air Transport Unit Flight Missing, NAS Seattle to Kodiak, AK	--	14
1944 -- Sep 29, USN PBM-3D Crash, Southeast of Palau Island, West Central Pacific	--	10
1944 -- Dec 18, Navy Task Force 38, Typhoon, 3 ships capsize off Philippines, Pacific	--	~790
1945 -- Nov 03, Consolidated Air, Army Transport Command, sea crash, 450 mi NE of HI--	--	18
1946 -- July 20, Two USAAF B-17G Search Planes Collide off Coiba Island, Panama, Pac.--	--	20
1946 -- Nov 16, U.S. Army Air Force DC-47 Crashes into Pacific off Iwo Jima	--	23
1947 -- March 12, Tanker <i>Fort Dearborn</i> , San Fran. to Shanghai, breaks up, gale, Pacific --	--	12
1947 -- Nov 24, storm, Army transport <i>Clarksdale Victory</i> grounds , Hippa Island, BC ⁷⁴⁷ --	--	49
1969 -- Dec 26, USN Charter SS <i>Badger State</i> Explos./raft hit by falling bomb, N. Pacific--	--	26

⁷⁴⁷ Part of Canadian Graham Island group just south of southern point of Alaska's Alexander Archipelago.

United States Possessions, Territories, Trusteeships (at the time)

American Samoa (Insular Territory):

1. 1974 -- Jan 30, Plane Crash, Pan Am World Flight 806, Pago Pago, American Samoa -- 97
2. 2009 -- Sep 29, Tsunami, magnitude 8.0 earthquake 120M offshore, American Samoa⁷⁴⁸-- 34

Other:

- 2003 -- May 24, Landslide, Heavy Rain, American Samoa -- 6

Guam

1. 1918 -- Oct 06, US Steamer *Dumar* hit by Lightning, Burns, 22M west of Guam -- 19
2. 1953 -- Dec 17, USAF B-29 Crashes, Officer's Housing, Anderson AFB, Guam -- 19
3. 1958 -- Jan 15 Anderson AFB, Guam USAF Weather WB50 Lost, Typhoon Ophelia -- 10
4. 1958 -- Sep 02, USAF Globemaster Fire/Crash, 35m west, Agana Naval AS, Guam -- 19
5. 1960 -- Sep 19, Plane Crash, World Air MAT, Agana Naval Air Station, Guam -- 80

Marshall Islands

1. 1947 -- Apr 19, USAF B-29 Fire/Explos./Crash, off Kwajalein Island, Marshall Islands-- 16

Okinawa (Trusteeship Rule, U. S. Military Government of the Ryukyu Islands, 1945-1965)

1. 1958 -- Mar 07, USMC Transport & Skyraider Collide off Naha NAF, Okinawa -- 26
2. 1959 -- June 30, U.S. Air Force F-100 Jet Crashes into School, Ishikawa, Okinawa⁷⁴⁹ -- 18
3. 1960 -- Sep 22, USMC Douglas R5D-3 Plane Crash 180 miles off Naha, Okinawa -- 29

Panama Canal Zone:

1. 1942 -- Aug 19, USN Plane hits tugboat, Coco Solo Navy Base, Panama Ca. Zone --12-14

Puerto Rico: (20)

1. 1899 -- **Aug 8-19, Hurricane**, Puerto Rico, NC, SC --3,433
2. 1918 -- Oct 11, **Earthquake**, Northwestern Mona Passage, Puerto Rico -- 116
3. 1919 -- Jan-Apr, **Influenza Epidemic** --1,873
4. 1928 -- **Sep 13, San Felipe Segundo Hurricane**, Puerto Rico⁷⁵⁰ -- 312
5. 1937 -- **March 21, Ponce massacre, police fire on marchers**, Ponce, Puerto Rico -- 19
6. 1942 -- Oct 01, **USAAF C-39 Transport Plane Crashes** near Caomo, Puerto Rico -- 22
7. 1948 -- Dec 28, **Airborne Transport (Charter) Crash**, San Juan PR to Miami, FL -- 32
8. 1949 -- June 07, **Strato-Freight** from San Juan PR to Miami **crashes after takeoff**⁷⁵¹ -- 53
9. 1952 -- Apr 11, **Plane Crash, Pan Am Air Flight 526**, off San Juan, Puerto Rico -- 52

⁷⁴⁸ 32 confirmed, 2 missing.

⁷⁴⁹ All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.

⁷⁵⁰ 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.

⁷⁵¹ Listed under Puerto Rico, even though the plane probably went down off Florida, in that the passengers were Puerto Ricans on the way back to New York from a Christmas trip to Puerto Rico.

10.	1969 -- March 5, Crash, PR Int. Airlines , Sierra de Luquillo Mts., San Juan, PR	--	19
11.	1970 -- Oct 5-10, Tropical Storm , Flooding, Puerto Rico	--	18
12.	1975 -- Sep 16, Tropical Storm Eloise , Flooding and Mudslides, Puerto Rico ⁷⁵²	--	44
13.	1985 -- Oct 7, Tropical Storm, Landslide , Mameyes neighborhood, Ponce, Puerto Rico~	130	
14.	1986 -- Dec 31, Arson Fire, Dupont Plaza Hotel and Casino , San Juan, Puerto Rico ⁷⁵³	--	97
15.	1989 -- Apr 19, Turret Explosion, USS Iowa No. 2 , Near Puerto Rico	--	47
16.	1989 -- Sep 18, Hurricane Hugo , PR	--	9-24
17.	1996 -- Nov 21, Propane Gas Explosion , Commercial Bldg., San Juan, Puerto Rico	--	33
18.	1996 -- Sep 09, Hurricane Hortense , rain, flash floods, mudslides, Puerto Rico	--	21-24
19.	1998 -- Sep 21, Hurricane Georges , Puerto Rico	--	12
20.	2002 -- Aug 7, Plane Crash, USAF Combat Talon II , Caguas, Puerto Rico	--	10

Other:

1918 --	Typhoid Fever (Puerto Rico subset of 9,100 U.S. Typhoid Fever deaths in 1918)	--	157
1979 --	Aug 30-31, Hurricane David	--	7

United States Virgin Islands:

1.	1970 -- May 2, Plane Crash, Overseas National Airways, near St. Croix, Virgin Is.	--	23
2.	1976 -- April 27, Plane Crash, American Air Flight 625, St. Thomas, Virgin Islands	--	37
3.	1989 -- Sep 18-19, Hurricane Hugo	--	10

Other:

1995 --	Sep 15, Hurricane Marilyn, St. Croix (2), St. John (1), St. Thomas (5)	--	8
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⁷⁵² An additional 19 people are still noted as missing or unaccounted for.

⁷⁵³ Cross-listed in Fire-Structural and in Violence subsection of Mass Murder.

United States Military Bases, Facilities, Leased and Shared Sites Overseas -- Chronological

1. 1943 -- July 15, **USAAF B24D** sea crash at end of runway, Castle Harbour, **Bermuda**-- 11
2. 1946 -- Oct 03, Crash, American Overseas Air, **Harmon Field AFB, Newfoundland** -- 39
3. 1946 -- Dec 10, **USAAF C-46** Takeoff Crash, near Itami U.S. Air Base, Osaka, **Japan**-- 22
4. 1949 -- Oct 13, **USAF B50**, out of Sculthorpe AB, Crash near Isleham **England** --(US)11
5. 1949 -- Nov 03, **USAF RB-29** Weather Plane Crash, off Kindley US AFB, **Bermuda** -- 11
6. 1952 -- June 13, **Yokota Air Base**, Japan, **USAF RB-29**, shot down, Sea of Japan -- 12
7. 1952 -- June 24, NM-based **USAF B-50** Superfortress Crash near Lakenheath, **England**-- 11
8. 1952 -- Oct 26, **USAF WB-29** lost, Typhoon, **Anderson AFB, Guam** to Philippines -- 10
9. 1953 -- Jan 16, **USAF C54** Crash, approach, Harmon AFB, Stephenville, **NFLD, Can.**-- 13
10. 1953 -- Feb 02, **USAF** Plane takeoff crash, Wheelus Air Base, Tripoli, **Libya** -- 15
11. 1953 -- June 18, **USAF** Globemaster II Crash, Tachikawa US AFB, Tokyo, **Japan** -- 129
12. 1953 -- July 29, **Yokota Air Base**, Japan, **USAF RB-50**, shot down, **Sea of Japan** -- 16
13. 1954 -- Feb 01, **USAF C46** Fire and Crash, Tsugaru Strait, off Hokkaido, **Japan** -- 35
14. 1954 -- Sep 28, **USN PB-5** Marlin Takeoff Crash, Sangley Point NAS, **Philippines** -- 11
15. 1955 -- Aug 11, Two **USAF C-119** Flying Boxcars Collide over Edelweiler, **Germany**-- 66
16. 1956 -- Sep 10, **Yokota AB USAF RB50G** Lost tracking Typhoon Emma **Sea of Japan**-- 16
17. 1956 -- Nov 09, **USN P5M** Marlin Patrol Plane Lost no. of **Bermuda**, possibly off MD-- 10
18. 1956 -- Dec 28, **USAF B-50** Weather Recon. Crash, Yokota AB approach, **Japan** --(9 US)10
19. 1958 -- Feb 20, **USN WV2** Super Constellation Plane Lost, Newfoundland to **Azores** -- 22
20. 1959 -- Feb 04, **USAF** Weather B-50 Crash, out of and off Kindley US AFB, **Bermuda**-- 12
21. 1959 -- May 20, **USAF C-130** Hercules Plane Crash into Barracks, Ashiya AB, **Japan**-- 10
22. 1959 -- Nov 7, **USAF C-47** crashes after take-off, Tainan, Formosa (**Taiwan**) -- 15
23. 1960 -- Sep 08, Yokota AB **USAF** Weather B-50 Crash into Mt., near Ishikawa, **Japan**-- 11
24. 1962 -- Mar 08, **USAF C-130A** Hercules Plane Crash near Alencon, western **France** -- 15
25. 1964 -- May 11, **USAF C-135** hits fence/crashes, landing, Clark U.S. AB, **Philippines**--78-80
26. 1964 -- Jun 29, **USAF** Stratofreighter / C-54 Collide near Kindley US AFB, **Bermuda**-- 17
27. 1966 -- May 18, **USAF KC-135** Stratotanker takeoff Crash, Kadena AB, **Okinawa** -- 12
28. 1969 -- Mar 08, **USAF C130** Crash short of runway, Ching Chuan Kang AB, **Taiwan**-- 12
29. 1971 -- Aug 18, **USAF** Chinook Helicopter explodes in air, Pegnitz, **West Germany** -- 37
30. 1975 -- Apr 4, Operation Babylift **C-5** Crash ~Tan Son Nhut AB, **Vietnam**--50-52US of 155
31. 1979 -- Oct 19, Typhoon/fuel bladder ruptures/barracks fire, **USMC** Camp Fuji, **Japan**-- 13
32. 1983 -- Apr 18, Terrorism, **US Embassy** suicide bombing, **Beirut, Lebanon** --17 US of 63
33. 1983 -- Oct 23, Terrorism, **Marine Corps Barracks** truck bomb, **Beirut, Lebanon** -- 241
34. 1984 -- Mar 24, **USMC** Helicopter crash into Mt., 24M north of Pohang **S. Korea** --18 of 29
35. 1989 -- May 29, **USMC CH46** Sea Knight Helicopter Crashes, Trng. Ex., off **Okinawa**-- 14

United States Military Bases, Facilities, Leased and Shared Sites Overseas -- by Location

Atlantic Ocean	-- 11 (All were U.S. military in non-combat and or non-war roles.)
American Samoa	-- 1 (Pan Am World Flight 806 in 1974.)
Bermuda	-- 5 (USAAF/1943, USAF RB-29/1949, USN/1956, USAF/1959/1964.)
Caribbean	-- 2 (Pan Am 218 in 1944 and Florida Commuter Airlines in 1980.)
England	-- 2 (USAF B50 in 1949, and USAF B-50 in 1952.)
France	-- 1 (USAF C-130 in 1962.)

Germany	-- 2 (USAF C-119s collide in 1955, USAF Chinook in 1971.)
Guam	-- 4 (U.S. military or contract, 1953, 1958 (2), and 1960.)
Gulf of Mexico	-- 2 (USAAF B-17 in 1942, and National Airlines 967 in 1959.)
Japan & vicinity	-- 7 (USAAF/1946; USAF/1952, 1953 (2) 1954, 1956 (2), 1959, 1960.)
Lebanon	-- 2 (1983 Embassy and Marine Corps. Barracks truck bomb.)
Libya	-- 1 (USAF plane takeoff crash, Wheelus Air Base, Tripoli, 1953.)
Marshall Islands	-- 1 (USAF crash off Kwajalein in 1947.)
Newfoundland	-- 2 (American Overseas Air in 1946; USAF C54 in 1953.)
Okinawa	-- 5 (U.S. military in 1958, 1959, 1960, 1966 and 1989.)
Pacific Ocean	-- 8 (Pan Am Hawaii Clipper in 1938; 7 US military plane events.)
Panama Canal Zone	-- 1 (U.S. Navy plane hits tugboat, Coco Solo Navy Base, 1942.)
Philippines	-- 2 (USN PB-5 in 1954, and USAF C-135 in 1964.)
Puerto Rico & vic.	-- 6 (3 US mil., 1942, 1948, 2002; commercial in 1949, 1952, 1969.)
South Korea	-- 1 (USMC Helicopter crash in 1984.)
Taiwan	-- 2 (USAF C-47 in 1949 and USAF C-130 in 1969.)
U.S. Virgin Islands	-- 2 (Overseas National Air in 1970, and American Air 625 in 1976.)
Vietnam	-- 1 (U.S C-5 Operation Babylift crash, Tan Son Nhut AB in 1975.)

Canada

1. 1803 -- March, Massacre, Crew of American ship *Boston*, Nootka, Vancouver Isl. -- 25
2. 1845 -- Aug 12, Steamers collide, *London & Kent* (sinks), Lake Erie, Point Pelee, Ont.-- 10
3. 1851 -- Oct 23, Steamer *Henry Clay* Sinks, Lake Erie Storm, off Long Pt., Ontario --16-19
4. 1854 -- Sep 27, US Mail *Arctic & Vesta* Collide in Fog, Cape Race, Newfoundland--318-562
5. 1856 -- July 17, *Northern Indiana* Burns, L. Erie (Buffalo-Toledo) ~Point Pelee, Ontario-- 58
6. 1867 -- Jan-Feb, Amer. Bark *John Bright* strands near Nootka Isl., BC, crew murdered-- 14
7. 1877 -- Nov 20, US Schooner *George Washington* strands, Mistaken Pt., Newfoundland-- 25
8. 1883 -- May 3, American Steamer *Grapples*, Puget Sound to Alaska, Burns, off BC -- 70
9. 1889 -- Apr 28, Train Derails, Burns, Hamilton, Ontario, Canada --20; US 13-18
10. 1897 -- Nov 05, Freighter *Idaho* Sinks, Lake Erie Storm, off Long Point, Ontario -- 19
11. 1899 -- Dec 5, freighter *Niagara* sinks, Lake Erie storm, 10 miles E. of Long Pt., Ontario--12
12. 1908 -- Dec 2, U.S. Steamer *Soo City* Lost in Storm, Gulf of St. Lawrence -- 19
13. 1909 -- Aug 18, Schooner *Orinoco* founders, Sambro, Nova Scotia -- 11
14. 1909 -- Dec 8, *Clarion* fire, lifeboat loss, Lake Erie, near SE Shoal Lighthouse, Ontario-- 15
15. 1912 -- Mar 15, Schooner *Patrician* stranded, Jordan Bay, Nova Scotia, Canada -- 10
16. 1918 -- Dec 3, storm, *Manola* founders, Lake Ontario, near Duck Island, Canada -- 11
17. 1918 -- Oct 4/5, Collier USS *Herman Frasch* collision (*Henry*) ~Cape Sable NS --17-25
18. 1919 -- Nov 7-9, Baltimore MD steamer *Polar Land* founders off Scatarie Isl. Nova Sco.-- 51
19. 1941 -- Oct 30, American Airlines #1 crashes, NYC to Chicago, St. Thomas, Ontario -- 20
20. 1942 -- Feb 18, USS *Truston* & USS *Pollux* ground, storm, Placentia Bay, Newfoundland 204
21. 1942 -- Oct 3, USN Sikorsky Flying Boat *Excalibur* Crashes, Botwood, NFLD, Can. -- 11
22. 1947 -- Nov 24, storm, Army transport *Clarksdale Victory* grounds, Hippa Island, BC⁷⁵⁴-- 49
23. 1947 -- Dec 10, U.S. Air Force DC-4, Crash/Fire, near Goose Bay, Labrador, Canada -- 23
24. 1950 -- Jan 26, USAF SAC C-54 Transport Disappears, Yukon Territory Canada -- 44
25. 1950 -- Dec 23, USN P2V Neptune Crash, McCreight Mt., Vancouver Isl., BC, Can. -- 11
26. 1952 -- Jan 19, US military charter crash, NW Orient 324, Korea to WA, off Sandspit BC-36
27. 1953 -- Mar 18, 10-eng. USAF Convair RB-36H crash, Random Isl., Newfoundland, Can.-23
28. 1953 -- Mar 18, USAF Superfortress plane crash, St. George's Bay, Newfoundland, Can.--10
29. 1958 -- Oct 18, USN Constellation Plane Crash, ~Argentia, Newfoundland, Canada -- 11
30. 1961 -- Jan 26, USN C-118 Liftmaster Explos./Crash off Argentia, Newfoundland, Can.- 23
31. 1964 -- Nov 17, USN P-3A Orion landing crash, fog, USN Base, Argentia, Newfoundland-10
32. 1970 -- Jul 05, Air Canada Flight 621 Plane Crash near Toronto, Canada --24 (US) of 109
33. 1982 -- Feb 15, Storm, *Ocean Ranger* oil rig sinks, Grand Banks, Canada⁷⁵⁵ --84 (15 US)
34. 1985 -- Dec 12, Crash, US Mil. Charter, Arrow Air #1285, Gander, Newfoundland -- 256
35. 1998 -- Sep 2, Swissair 111 (NY to Geneva) crashes off Peggy's Cove, N.S., Can--229 (US 117)

⁷⁵⁴ Part of Canadian Graham Island group just south of southern point of Alaska's Alexander Archipelago.

⁷⁵⁵ Sixty-eight Canadians, one Englishman, and fifteen Americans

Large-Loss-of-Life Events Involving U.S. Citizens Outside U.S.

Antarctica	1	Spain	2
Australia	1	Taiwan	2
Azores	2	Taiwan, Sea off of	1
Baltic Sea	1	Trinidad	1
Bhutan	1	Turkey	2
Brazil	2	USSR	2
Cambodia	1	Yellow Sea off Korea	1
Canada	35	Yemen	1
Canary Islands	1		
Chile	1		
China	1		
Croatia	1		
Dutch Guiana	1		
Ecuador	1		
England	5		
France	3		
Germany	6		
Greenland	1		
Gulf of Thailand	1		
Honduras	1		
Iceland	1		
India	1		
Iraq	1		
Italy,	6		
Japan	2		
Japan, Sea of	2		
Mexico	2		
Morocco	1		
New Guinea	1		
Newfoundland	1		
Okinawa	1	(All Okinawans killed in a U.S. jet crash.)	
Okinawa, sea off of	3		
Panama	2		
Panama Gulf	1		
Papua New Guinea	1		
Persian Gulf	1		
Peru	1		
Philippines	1		
Poland	1		
Scotland,	4		
Sinai Peninsula	1		
Singapore (offshore)	1		
South China Sea	2		
South Korea	1		

**Chronological Listing of Large-Loss-of-Life Events Involving U.S. Citizens Outside U.S.
(Excluding Canada which is listed separately above)**

1. 1815 -- Apr 6, Massacre, American Prisoners-of-War, Dartmoor Prison, **England** -- 7- 9
2. 1853 -- May 15, US *Monumental City* (Baltimore built) grounds, Tullaberga Is. **Australia**-32-37
3. 1856 -- Apr 15, Locals and Americans fight, leads to Riot, Panama City, **Panama** --16-20

4. 1916 -- Jan 10, **Mass Murder**, Americans on Train 50M W. Chihuahua City, **Mexico** --16-17

5. 1941 -- Nov 2, **US Naval Patrol** "Flying Boat" Crashes, mountain ~Krisuvik, **Iceland**-- 12
6. 1942 -- Jan 24, Sub **USS S-26** Accidentally rammed/sunk by PC-460, **Gulf of Panama**-- 46
7. 1943 -- Jan 15, **USAAF C-54** (TWA Contract), Crash, **Dutch Guiana** [Suriname] -- 35
8. 1943 -- Sep 22, Plane Crash, **USAAF C-53**, near Calcutta, **India** -- 20
9. 1943 -- Nov 18, **USN Transport Plane** Crash, 30mi. E of Rio De Janeiro, **Brazil** --17 of 18
10. 1944 -- Jul 27, Plane Crash, **USAAF C47A**, Isle of Mull, ~Port Logan, **Scotland** --21US/22
11. 1944 -- Aug 28, Plane Crash, **USAAF Douglas C54A**, Prestwick, **Scotland** --20 US of 25
12. 1944 -- Oct 18, Plane Crash, **USAAF B24H**, near Birkenhead, Merseyside, **England** -- 24
13. 1944 -- Nov 10, Explos., **USS Mount Hood**, Seeadler Harb., Manus Isl., **Papua New Guinea**⁷⁵⁶ 372-378
14. 1944 -- Nov 19, Plane Crash, **USAAF C-47A**, near Brighton and Lewes, **England**--24 US/25
15. 1945 -- Jan 08, Pan Am China Clipper Flight 161 Crash, Port of Spain, **Trinidad** -- 23
16. 1945 -- Jan 21, **USN Plane Bombs Explode** **USS Hancock** landing, **South China Sea** -- 62
17. 1945 -- Feb 02, Florence to Rome **USAAF C-47** Crash, 3 mls W of Montieri, **Italy** -- 23
18. 1945 -- May 13, **USAAF "Shangra-La"** Sightseeing Plane Crash, Mt., **New Guinea** -- 21
19. 1945 -- Oct 30, **USAAF C-47** transport Crash into mountain near Cuneo, **Italy** -- 15
20. 1945 -- Nov 01, **USAAF C-47** Plane Crash ~Bad Herrenalb and Karlsruhe, **Germany**-- 26
21. 1945 -- Nov 03, **USAAF C-54** Crash, Himalayan Mountains, near Chukha, **Bhutan** -- 44
22. 1946 -- June 01, **USAAF C-54** Cockpit Fire and Crash off Amalfi, **Italy** -- 30
23. 1946 -- June 09, **U.S. Army Air Force DC-4** Crash, Tobago Island, **Panama** -- 23
24. 1946 -- Oct 03, Amer. Overseas Air Crash, Harmon Field AFB, **Newfoundland** -- 39
25. 1947 -- Nov 28, **USAF C-47** Transport Plane Crash, Mt. Carbone, Alps, ~Cuneo, **Italy**-- 20
26. 1948 -- Jan 27, **USAF C-47** Crash (dependants), Snowstorm, Cheval Blanc Mt., **France**-- 12
27. 1948 -- Jan 30, **USAF B-17** Crash, (C-47 search) Cheval Blanc Mountain, So. **France**-- 9
28. 1948 -- Nov 03, **USAF B-29** Bomber Crash after takeoff near Lajes Field, **Azores** --18-19
29. 1948 -- Nov 03, **USAF B-29** Bomber Crash, Shelf Moor, near Manchester, **England** -- 13
30. 1949 -- Jan 17, **USAF B-29** Crash, Argyllshire Mts. in fog, near Glasgow, **Scotland** -- 20

31. 1950 -- Apr 08, **USN Privateer Patrol Bomber** Shot Down by USSR, **Baltic Area** -- 10
32. 1950 -- Apr 21 **USAF C-54** Skymaster Crash into Mt. in rainstorm near Atsugi, **Japan**-- 35
33. 1950 -- May 18, **USAF B-29** Crash, Lajes Field, **Azores** --15-16
34. 1951 -- Nov 06, P2V-3W **shot-down**, Soviet Aircraft, Sea of Japan, ~Vladivostok, **USSR**- 10
35. 1951 -- Nov 13, **U.S. C-82** "Flying Boxcar" Crashes into Puy de Sancy Mt., **France** -- 36
36. 1952 -- Feb 07, **USAF** takeoff Crash, 5 miles N of Yokota US AB, **Japan** --13 (US) of 15
37. 1954 -- Jan 04, **US Navy P2V** Neptune Bomber Lost, **Yellow Sea**, off Coast of **Korea**-- 10
38. 1954 -- May 05, **USN PBM-5** Seaplane Crash, Sidewalk Mt., near Carricitos, **Mexico** -- 10
39. 1956 -- Aug 22, **US Navy P4M-1Q** **Shot Down** near Wenchow, **China** -- 16

⁷⁵⁶ Largest of the Admiralty Islands, and fifth largest island in Papua New Guinea.

40. 1958 -- Feb 15, **USAF C-47 Transport Plane Crashes** in fog on Mt. Vesuvius, **Italy** -- 16
41. 1958 -- March 7, **USMC Transport & Skyraider Collide** off Naha NAF, **Okinawa** -- 26
42. 1958 -- Sep 02, **USAF C130A Hercules Shot-down** over Sasnashen, Armenia, **USSR**⁷⁵⁷-- 17
43. 1959 -- June 26, **TWA 891 fuel explosion, thunderstorm static electricity**, Italy --70; US 37
44. 1959 -- June 30, **U.S. Air Force F-100 Jet Crashes into School**, Ishikawa, **Okinawa**⁷⁵⁸ -- 18
45. 1959 -- Nov 7, **USAF C-47 crashes after take-off**, Tainan, Formosa (**Taiwan**) -- 15

46. 1960 -- Jan 16, **USN P4M-1Q Mercator Crash**, Karanfil Mountain, ~Adana, **Turkey** -- 16
47. 1960 -- Feb 25, **USN R6D / DC-3 Collide in Fog** off Rio de Janeiro, **Brazil** --61 (USN 35)
48. 1960 -- July 11, **US Air Mission Colombia USAF Crash**, Mt Pichincha, **Ecuador** --18/US 12
49. 1960 -- Sep 22, **USMC Douglas R5D-3 Plane Crash** 180 miles off Naha, **Okinawa** -- 29
50. 1960 -- Dec 17, **USAF C-131 Samaritan Takeoff Crash**, Munich, **Germany**--(20 U.S.) 51-53
51. 1962 -- May 22, **USN WV2 Transport Breaks-up/Crashes**, Markt Schwaben, **Germany**-- 26
52. 1964 -- May 11, **USN P2V Plane Crash**, Atlantic, 25 mls SW of US AB Rota, **Spain** -- 10
53. 1967 -- Jun 08, **USS Liberty Attacked by Israeli Air and Naval Craft**, ~**Sinai Peninsula**-- 34
54. 1968 -- Apr 01, **US Navy P3B Coastal Surveillance Shot Down**, **Gulf of Thailand** -- 12
55. 1969 -- Feb 04, **USAF HC-130 Rescue Plane Crash into Sea off Taiwan** -- 13
56. 1969 -- Apr 14, **US Navy EC-121M Shot Down by North Korea**, **Sea of Japan** -- 31
57. 1969 -- Jun 03, **Collision, USS Frank E. Evans and Carrier Melbourne**, **S. China Sea** -- 73

58. 1970 -- Aug 09, **Lansa Flight 502 takeoff crash** near Cuzco Airport, **Peru** --101 (US 54-55)
59. 1970 -- Oct 2, **USAF C-130 Transport Plane Crash into mountain** near Taipei, **Taiwan**-- 43
60. 1972 -- Jun 03, **Brunswick ME-based USN Orion 152182 Crashes into Moroccan Mt.**-- 14
61. 1975 -- May 14, **Attack, USS Mayaguez**, Khmer Rouge, Koh Tang Island, **Cambodia**⁷⁵⁹--16
62. 1975 -- Sep 26, **USAF Sikorsky CH-53 Helicopter Crash**, east of Paderborn, **Germany**-- 16
63. 1976 -- Aug 28, **USAF Crash, severe thunderstorm rips wing**, ~Peterborough, **England**-- 18
64. 1976 -- Aug 28, **USAF C41 Starlifter Crash**, Soendre Stromfjord AFB, **Greenland**⁷⁶⁰ --13/23
65. 1977 -- Dec 11, **BNAS-based USN Orion Crash**, Fog, El Hierro Mt., **Canary Islands**-- 13
66. 1978 -- Oct 06, **USN C-118 Transport Crashes into hill in Fog** near Santiago, **Chile** -- 16
67. 1979 -- Nov 28, **Air New Zealand sightseeing crash**, Mount Erebus, **Antarctica**--24US of 257

68. 1980 -- Mar 14, **Polish Air approach crash (US boxing team)** ~Warsaw AP, **Poland**--87, US/31
69. 1980 -- Mar 14, **USAF C130 Wing Explosion and Crash** near Yenice, Cilicia, **Turkey**-- 18
70. 1981 -- Feb 26, **USAF MC-130 Plane Crash**, off NAS Cubi Pt., **Philippines** --(17 US) 23
71. 1982 -- Sep 11, **USAF Chinook Crash**, Airshow, ~Mannheim, **Germany** --46, U.S. 7-8
72. 1984 -- Feb 29, **USAF C-130 Hercules Plane Crash**, near Borja, **Spain** --(17 US) of 18
73. 1985 -- Jan 22, **USAF Plane Crash in Sea on approach to Trujillo Airport**, **Honduras** -- 21
74. 1985 -- May 6, **USMC CH-53D Helicopter Crash into Sea of Japan off Yakushima** -- 17
75. 1987 -- May 17, **USS Stark hit by Iraqi Air Force Mirage missiles**, **Persian Gulf** -- 37
76. 1988 -- Dec 21 **Terrorism, Pan Am 103 Blown-Up**, Lockerbie, **Scotland** -- 259

⁷⁵⁷ Cross-listed under Attack.

⁷⁵⁸ All deaths were of Okinawans in this at-the-time U.S. controlled territory. Pilot had bailed out of jet.

⁷⁵⁹ Cross-listed in Maritime.

⁷⁶⁰ 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.”)

77. 1989 -- Mar 20, **USMC** Sea Stallion Helo Engine Mal./Crash, Mt., ~Pohang, **So. Korea**-- 19
78. 1989 -- May 29, USMC CH46 Sea Knight Helicopter Crashes, Trng. Ex., off **Okinawa**-- 14
79. 1990 -- Aug 29, **USAF** C-5A Galaxy Plane Crash, Ramstein U.S. Air Base, **Germany**-- 13
80. 1994 -- Apr 14, 2 **USAF** F-15s Shootdown 2 **USA** Black Hawks, No. **Iraq** --15US of 26
81. 1996 -- Apr 03, **USAF** Plane Crash (Sec. Com. Ron Brown) ~Dubrovnik, **Croatia** -- 35
82. 2000 -- Oct 12, **Suicide Terrorism**, USS *Cole* Bombed, Port of Aden, **Yemen** -- 17
83. 2017 -- Aug 21, **USS John S. McCain** collision/merchant ship *Alnic MC* ~Singapore -- 10

Multi-State Large Loss-of-Life Events

1492-1800 – North American Native American Population Decline, esp. disease	--~2,800,000
1635 -- Aug 25, Great Colonial Hurricane, New England	-- 35
1689-1690 -- Smallpox, New England and NY, settlers and natives	-- ≥820-1,500
1699 -- Yellow Fever Epidemic, Charleston, SC, Philadelphia, PA	-- 410
1713 -- Measles Epidemic, New England	-->100
1752 -- Sep 15, Hurricane, esp. Charleston, SC & Johnston, NC and maritime	-- 103
1775-82 -- Smallpox Epidemic North America	--84,000
1775 -- Sep 2-6, “Independence” Hurricane, NC, VA	-- 163
1778 -- Dec 26-27, Blizzard, New England, esp. MA and RI, brig <i>Arnold</i> , sloop <i>Stark</i>	-- ≥153
1792 -- Jul 1, Storm or Tornado, Philadelphia and NYC, Boaters Drown	-- ~40
1794 -- Yellow Fever Epidemic, Baltimore, New Haven, CT, Philadelphia, PA	-- 264
1797 -- Yellow Fever Epidemic, New York City, Philadelphia, PA	--2,400
1798 -- Yellow Fever Epidemic, East Coast Port Cities	--10,000
1798 -- Nov 17-21, New England Blizzard and Maritime Storm	-- >200
1799 -- Yellow Fever Epidemic, Charleston SC, NY, Philadelphia, PA	--1,315
1800 -- Yellow Fever Epidemic, Baltimore, MD, Charleston, SC, Norfolk, VA	--1,589
1802 -- Yellow Fever Epidemic, Boston MA, Charleston SC, /Philly PA, Wilmington NC	-- 549
1803 -- Yellow Fever Epidemic, Alexandria VA, Charleston SC, NYC NY, Philly PA	--7,403
1804 -- Sep 7-9, Hurricane, esp. areas of Savannah, GA, Charleston, SC, maritime	-- ~500
1805 -- Yellow Fever Epidemic, New York City, Philadelphia, NY, PA	--3,740
1806 -- Aug 23, Hurricane, Off East Coast	-- 42
1811 -- Dec 16-Feb 7, 1812, Earthquakes, New Madrid, KY, TN, NE AR, MO	---379-1,000
1812 -- Aug 19-20, Hurricane, New Orleans, LA & VA	-- >100
1815 -- Sep 23, Hurricane, “Great September Gale of 1815,” NY, New England	-- >38
1815-16, Winter -- Smallpox Epidemic, Comanche Nation ⁷⁶¹	-->4,000
1817 -- Yellow Fever Epidemic, Charleston, SC, New Orleans LA	--1,072
1818 -- Aug 15, Tornado, Stafford County, VA to Charles County MD	-- 30
1819 -- Yellow Fever Epidemic, Charleston SC/Natchez MS/Mobile AL/New Orleans LA	2,821
1819 -- July 27-28, Hurricane, LA, MS, AL	-- 43
1820 -- Yellow Fever Epidemic, New Orleans LA, NY, Philadelphia PA, Savannah GA	--1,018
1821 -- Sep 03, Hurricane, VA, MD, DE, PA, NJ, NY, MA, CT	-- >10
1822 -- Yellow Fever Epidemic, Baton Rouge LA, New Orleans LA, NY, Pensacola FL	-- 788
1823 -- Yellow Fever Epidemic, Natchez MS, New Orleans LA	-- 551
1824 -- Yellow Fever Epidemic, Charleston SC, New Orleans LA	-- 343
1825 -- Yellow Fever Epidemic, Natchez MS, New Orleans LA, Washington MS	-- 254
1825 -- Oct 7, Miramichi and Maine Wildfires	-- 300
1827 -- Yellow Fever Epidemic, Charleston SC, New Orleans LA	-- 273
1829 -- Yellow Fever Epidemic, Mobile AL, Natchez MS, New Orleans LA	--1,120

⁷⁶¹ 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.

Multi-State Large Loss-of-Life Events (con't)

1831 -- Slave Insurrection, VA & NC Border Area	-- 55
1832 -- Cholera Epidemic, New Orleans LA, NY, Baltimore MD, Philadelphia PA etc.	--12,445
1833 -- Feb, Cholera Epidemic	-- 662
1834 -- Yellow Fever Epidemic, Charleston SC, New Orleans LA	-- 144
1834 -- May 05, Tornado Outbreak, VA and MD	-- 10
1837-38--Smallpox, Upper Mid-West Native American Tribes	~20,000
1837 -- Yellow Fever Epidemic, Mobile AL, Natchez MS, New Orleans, LA	--1,072
1838 -- May-March 1839, Cherokee Relocation, NE AL/NW GA/SE TN/NW NC to OK ⁷⁶²	~4,000
1844 -- May-June, Central US Floods, esp. IL, OH, KS, MO, Red, Upper MS Rivers	-- 400
1847 -- Yellow Fever, Galveston, Lafayette LA, Mobile AL, New Orleans LA	--3,352
1848 -- Yellow Fever Epidemic, Mobile AL, New Orleans LA	-- 925
1849 -- Cholera, esp. IL, IN, KY, NOLA, MA, MI, MO, NY, OH, PA, TN, TX ⁷⁶³	--39,466-43,094
1849 -- Yellow Fever Epidemic, Charleston SC, Mobile AL, New Orleans, LA	-- 912
1850 -- Croup (contagious upper airway viral infection), nationwide	10,706
1850 -- Measles, nationwide	--2,983
1850 -- Scarlet Fever, nationwide	--9,584
1850 -- Smallpox, nationwide	--2,352
1850 -- Tuberculosis (Consumption), nationwide	33,156
1850 -- Typhoid Fever, nationwide	13,099
1853 -- Yellow Fever, ⁷⁶⁴ esp. AL, FL, LA, MS, NY, PA, TX, VA, Maritime	--18,788
1853 -- Sep 6-7, Hurricane, Western Atlantic	-- 40
1854 -- Cholera Epidemic, Boston, Chicago, Columbia, PA, New York, NY	--4,420
1854 -- Yellow Fever, Charleston SC, Galveston, New Orleans, Savannah, GA	--4,104
1854 -- September 7-13, Hurricane, Mid-Atlantic Coast	-- 26
1855 -- Yellow Fever Epidemics, Norfolk and Portsmouth, VA, New Orleans, LA	--6,670
1856 -- Yellow Fever Epidemic, Charleston SC, New Orleans LA, New York NY	-- 345

⁷⁶² 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.

⁷⁶³ There were outbreaks in other States which we expand upon in a narrative document, and in some States which are noted, epidemic cholera was mostly in one place, as in Chicago in Illinois (again, see the narrative). One large assumption is included in both the low and high range – the estimate that approximately 10,000 slaves perished in the South. Large round numbers are obviously attempts to estimate unknowns. If thousands could die of cholera in places such as New York, St. Louis, New Orleans and Cincinnati, we are willing to believe that many thousands of slaves could well have perished throughout the South. To balance the inclusion of this estimate we note that our sources could not have access to or write of all the cholera deaths in the locations focused upon. As Collins and Collins write in their *History of Kentucky*, there were many more deaths in the smaller towns and in the countryside than they were able to chronicle. This must have been true all up and down routes of river and rail traffic.

⁷⁶⁴ The total, using the high New Orleans figure.

1857 -- Yellow Fever Epidemic, New Orleans LA, Charleston SC	-- 212
1857 -- Nov 18, Storm, ~Twenty Coal Boats Sink, OH and MS Rivers ~Cairo IL	-- ~100
1858 -- Yellow Fever, Brownsville TX, Charleston SC, Galveston TX, New Orleans LA	--4,991
1859 -- Yellow Fever Epidemic, Edinburgh & Galveston, TX, New Orleans LA	-- 286

Multi-State Large Loss-of-Life Events (con't)

1860 -- Tuberculosis (Consumption), Nationwide	49,082
1860 -- May, Tornadoes, Louisville, KY to Portsmouth, OH	-- 75
1861 -- May 1-June 30, 1866, Smallpox, Union soldiers and Confederate prisoners ⁷⁶⁵	--9,682
1861 -- Nov 02, Hurricane NC, MA	-- 33
1862 -- Jan-March, Flooding, CA, OR, WA, British Columbia	~1,000
1862 -- Yellow Fever, Key West, Matagorda and Tortugas FL, Wilmington NC	--1,420
1864 -- Yellow Fever, Beaufort NC, Charleston, SC, Galveston TX, New Bern NC	--2,072
1867 -- Yellow Fever Epidemic, US Army, FL, LA, TN, TX	--8,796
1869 -- Oct 04, Hurricane, Coastal New Brunswick, Canada, NY, ME	-- 37
1870 -- Croup, Nationwide	10,692
1870 -- Yellow Fever Epidemic, New Orleans, NY Quarantine Station, Philly PA	-- 655
1871 -- Yellow Fever Outbreak, Beaufort SC, Charleston SC, New Orleans LA	-- 275
1873 -- Cholera Epidemic, Dakota	-- 46
1873 -- Yellow Fever, Calvert TX, AL, Memphis TN, New Orleans, Pensacola FL	--3,313
1875 -- Mar 20, Southeastern Tornado Outbreak	-- 93
1878 -- Oct 9-13, Tropical Cyclone, Coastal New England	-- 27
1879 -- May 30, Tornadoes, MO, KS, NE	-- >40
1880 -- Jan 09, Wind Storm, "Storm King," Pacific Northwest, OR, WA	-- 5
1881 -- June 12, Tornadoes (4), KS and MO	-- 15
1881 -- Aug 27, Hurricane, Savannah GA and SC	-- ~700
1882 -- Jan-Mar, Mississippi River Flood	-- 34
1883 -- Smallpox, esp. Baltimore (633) and Chattanooga (105); also IL, NJ, WV	--1,042
1883 -- May 13, Tornado Outbreak, KS and MO	-- 10
1883 -- May 18, Tornado Outbreak, IL and WI	-- 62
1884 -- Feb 19, Tornadoes, MS-AL, AL-GA, KY, GA-SC	-- 37
1884 -- Mar 25, Tornadoes, NC, GA, KY, OH, IN	-- 19
1884 -- Apr 01, Tornado, OH/IN/TN/Western PA	-- 12
1885 -- August 24-25, Hurricane, SC, offshore NC, GA	-- 25
1886 -- Apr 14, Tornadoes (4), IA, NE, MO	-- 13
1887 -- Apr 21, Tornado, Anderson, Linn Counties, KS; Bates County, MO	-- 21
1887 -- Apr 21, Tornadoes, AR, IL-IN	-- 11
1888 -- Jan 12, Blizzard and extreme cold, especially Dakota Territory, MN & NE	--315-500
1888 -- Mar 11-14, "Blizzard of 1888," East Coast	-- 400
1890 -- Jan 12, Tornado, New Madrid County, MO, Hickman County, KY	-- 11
1890 -- Mar 27, Tornado, MO-IL, IL, MO-KY, MO-IL, KY-IL-KY, TN	-- 47

⁷⁶⁵ There is overlap with our 1863 entry (1,078 deaths) which includes Fort Delaware, Camp Chase, MD, and VA.

1893 -- Mar 23, Tornadoes, Clarke/Desoto MS; Richland, LA; Shelby/Weakley, TN	-- 16
1893 -- Aug 27-29, Hurricane, Sea Islands, SC-GA	--1,000-2,500
1893 -- Oct 11-13, Tropical Cyclone, FL, SC	-- 28
1894 -- May 15-18, Great Lakes Storm, esp. Lake Mich., 23-28 Ships Founder	--27-35
1894 -- Jun 27, Windstorm, MN & SD	-- 10
1894 -- Sep 01, Wildfire, WI, MN (Hinckley)	-- 440
1894 -- Sep 21, Tornadoes, IA, MN	-- 63
1896 -- May 17, Tornado, Palmer, KS to Falls City, NB	-- 25
1896 -- May 25, Tornadoes, IL, MI	-- 47
1896 -- May 27, Tornadoes IL and MO. Particularly St. Louis, MO	-- 306
1896 -- Aug 4-14, Heat Wave, NY, NJ, WI	--< 921
1896 -- Sep 28-29, Hurricane, FL, GA, SC	-- 134
1897 -- Yellow Fever Epidemic, Southern States	-- 484
1898 -- May 5-11, Flooding, esp. Grand, Verdigris, Ark., Canadian Rivers, AR, OK	-- ≥10
1898 -- May 18, Tornadoes, IA, IL, WI	-- 53
1898 -- Oct 2, Hurricane, GA, SC, NC	-- 179

Multi-State Large Loss-of-Life Events (con't)

1900 -- Nov 20, Tornado Outbreak, MS,TN	-- 69
1900 -- July-Aug (esp.) Heat, esp. NY/361 NJ/119 Chicago/102 St. Louis/90 Balt./62	--1,266
1901 -- March 9, Tornado Outbreak (5), AR, TX	-- 14
1901 -- June-July, Heat waves, except Pacific NW, esp. Northeast, June 27-July 6	--4,012
1902 -- June-Aug (especially July) Heat, especially NY/46, Pittsburgh/18, MA/12	-- 290
1902 -- Sep 11-15, Forest fires, WA & northwest OR, esp. multiple SW counties, WA	--57-64
1903 -- June-Aug (esp. July 1-11), Heat, esp. NY/144, NJ/60, IN/17, Chicago/15, CT/18	-- 520
1903 -- Oct 3, Tornadoes (3), MN-WI, WI, IL	-- 17
1904 -- June-Aug, Heat, especially NY (48), MA (25), NJ (25) and MI (12)	-- 235
1904 -- Sep 14-15, Tropical Storm, SC, NC, VA, DE, NJ, RI, MA	-- 14
1905 -- Mar 20, Tornado, Chambers/Randolph Counties, AL; Heard County, GA	--14-17
1906 -- Sep 27, Hurricane, Miami, Alabama, MS, Northwest FL	-- 134
1907 -- Measles, Census "Registration" States and localities	--4,302
1907 -- Influenza, Census "Registration" States and Localities	≥10,066
1907 -- Whooping Cough, Census "Registration" States and localities	--4,856
1908 -- Apr 24-25, Tornado Outbreak (18), LA, MS, AL, GA, TX	-- 324
1908 -- Summer-Fall, Polio outbreak, IA, MA, MI , MN (13), VA, esp. WI (61)	-- 87
1909 -- Smallpox, 29 reporting States and the District of Columbia	-- 132
1909 -- Feb 05, Tornado Outbreak, AL, AR and MS	-- 14
1909 -- Apr 29, Tornadoes, AL, AR, AR-TN, IL, MO, MS, MS-TN, TN, TN-AL	-- 105
1909 -- May 29, Tornadoes (4), OK and ND	-- 15
1909 -- July 7-9, Flooding, Missouri Valley, NW MO, KS, SE Neb., western IA	-- 11
1909 -- Oct 14, Tornado Outbreak, esp. AL (11-21), AR (2), GA (1-2), TN (42-50)	--56-75
1910 -- Smallpox, 29 reporting States and the District of Columbia	-- 403
1910 -- Jul 3-5, Race Riots/Violence, result of Jack Johnson defeat of Jim Jeffries	--18-24
1910 -- Aug 20, Wildfire, Great Idaho (Devil's Broom) ID, MT, WA	-- 86
1910 -- Oct 17-20, Hurricane, Key West, FL to NC	-- 30

Multi-State Large Loss-of-Life Events (con't)

1911 -- Smallpox, 29 reporting States and the District of Columbia	-- 134
1911 -- Mar 9-15, Violence, Race Strike, Queen & Crescent Rail, KY, TN	-- 20
1911 -- Apr 12, Tornadoes, AR, KS, OK, OK-KS-MO	-- 14
1911 -- July 28, New England Coastal Storm, Craft Lost (esp. <i>Nokomis</i>), esp. MA	-- 11
1911 -- Heat waves/excessive heat deaths, esp. June 4-23, July 1-13, esp. MW, NE	~2,190
1911 -- August 27-29, Tropical Cyclone, GA, SC	-- 25
1912 -- Polio, the year, especially Summer to Fall, especially children	-- 518
1912 -- Apr 20, Tornadoes (9), KS, OK, TX	-- 17
1912 -- Apr 21, Tornadoes (6), IL, IL-IN, IN	-- 30
1912 -- June 15, Tornado, Linn, Miami Counties, KS; Bates, Cass Counties, MO	-- 11
1913 -- Polio, especially June-Sep (Sep peak), especially children	-- 426
1913 -- March 13, Tornadoes (8), AL, AL-TN, LA, LA-AR, MS, TX	-- 35
1913 -- March 23, Easter Sunday Tornadoes, LA, MO, esp. Omaha, NE, IN, IA	--194-196
1914 -- Polio, the year, especially Summer-Fall, especially children, nation	-- 349
1914 -- May 11, Boiler Scalding, <i>Steamer Jefferson</i> , from Norfolk, VA to NYC	-- 11
1914 -- Oct 9, Tornadoes (4), Elk, Wilson, Cherokee KS; Ottawa County, OK	-- 12
1915 -- May 6, Tornadoes, MS, LA, TN	-- 16
1915 -- May 7, Tornadoes, SC and MS	-- 10
1915 -- June 12, Tornadoes, Alamance, Sauk Counties WI; Crawford County, IA	-- 10
1915 -- July 7, Tornado Outbreak and Windstorms, OH/KY/IL/IN/MS	-- >50
1916 -- Diphtheria	--17,000
1916 -- Polio	--6,000
1916 -- May 20, Tornadoes (2), TX and TX-OK	-- 11
1916 -- June 5, Tornadoes (3), AR-MO, AR-TN, MO-IL, MS	-- 12
1916 -- June 5, Tornado Outbreak (34), AR/IL/MO/MS/TN	-- 87
1916 -- July 4-10, Hurricane, Gulf of Mexico and Gulf States	-- 34
1916 -- July 15, Tropical Storm, SC and NC	-- 80
1917 -- Influenza and pneumonia	115,526
1917 -- Mar 23, Tornadoes, IL, Jefferson Co., KY, esp. New Albany, Floyd Co., IN	-- 46
1917 -- May 27, Tornado, Lake County, TN; Fulton, Hickman, Graves Counties, KY	-- 67
1917 -- June 6, Tornadoes, MI, PA, KY	-- 12
1918 -- May 9, Tornadoes, IL and IA	-- 14
1918 -- Sep-April 1919, Influenza Pandemic, Nationwide	--675,000
1918 -- Oct 13-15, Forest Fire, Cloquet, MN & WI	--400-1,000
1919 -- Influenza Epidemic	--84,113-101,851
1919 -- Polio (Acute). Especially late Summer and Fall, especially children	-- 747
1919 -- Mar 05, Tornadoes, AL and GA	-- 10
1919 -- Mar 16, Tornado, LA-MS	-- 17
1919 -- Dec 11, Heavy Rain, Flooding, GA, AL, MS	-- 15
1919 -- Sep 2-15, Hurricane, Florida Keys, LA, AL, TX	-- 900
1920 -- Diphtheria, esp. Detroit, Fall River, MA, Bridgeport, CT, St. Louis	--13,395

1920 -- Influenza (62,097) and pneumonia (120,108)	--182,205
1920 -- Malaria, esp. MS/683, LA/586, SC/487FL/344, NC/210 and TN/183 ⁷⁶⁶	--3,136
1920 -- Measles, 34 registration states, esp. NY/1,177, PA/1,153, OH/750, IL/496 ⁷⁶⁷	--7,712
1920 -- Scarlet Fever, esp. PA/497, NY/474, OH/383, IL/370, MI/303, MA/218, DE ⁷⁶⁸	--4,004
1920 -- Smallpox, 34 registration states, esp. LA/167, MS/45, MO/28, NC/28	-- 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/379 ⁷⁶⁹	6,805
1920 -- Whooping Cough, esp. PA/1,195, NY/1,063, OH/845, IL/553 MA/536 ⁷⁷⁰	10,968
1920 -- Mar 11, Tornado, Carroll County, AR and Taney County, MO	-- 10
1920 -- Mar 28, Palm Sunday Tornado Outbreak, Mid-West, Deep South	-- 156
1920 -- Apr 20, Tornadoes, MS, AL [Total]	-- 223

Multi-State Large Loss-of-Life Events (con't)

1921 -- Jan 20, Steamer <i>Hewitt</i> sails from Sabine TX for Boston MA, Lost	-- 42
1921 -- Apr 21, Tornado, Northeast TX and AR	-- 61
1921 -- Dec 23, Tornadoes, AR, MS	-- 11
1921 -- Dec 24, Tornadoes, LA, MS	-- 14
1922 -- Polio (Acute), especially late Summer and Fall, especially children	-- 790
1922 -- Mar 14, Tornadoes, AR, LA, MS	-- 14
1923 -- Polio (Acute), especially late Summer and Fall, especially children	-- 850
1924 -- Polio (Acute), especially late Summer and Fall, especially children	--1,079
1925 -- Polio (Acute), especially late Summer and Fall, especially children	--1,519
1925 -- Mar 18, Tri-State Tornado, MO, IL, IN, TN, KY, Total	-- 740
1926 -- Polio (Acute), especially late Summer and Fall, especially children	-- 851
1926 -- Feb 24, Tornadoes, AR-MS and MS	-- 10
1926 -- Sep 18-22, Great Miami Hurricane (FL/MS/AL/Pensacola)	-- 800
1927 -- Polio (Acute), especially late Summer and Fall, especially children	--2,013
1927 -- Apr-May, Rain, MS River Flood/Levee Breaks, MS, AR, LA, KY, MO	--246-1,000
1927 -- May 9, Tornadoes, TX, AR, MO, IL, LA, KY-IL [totals] ⁷⁷¹	-- 212
1928 -- Polio (Acute), especially late Summer and Fall, especially children	--1,381
1929 -- Polio (Acute), especially late Summer and Fall, especially children	-- 812
1929 -- Jan 18, Tornadoes, IL-IN, MO, IL, KY	-- 10

⁷⁶⁶ 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.

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⁷⁷⁰ Data from 34 registration States and a number of cities $\geq 100,000$ in non-registration states.

⁷⁷¹ 203 fatalities in MO, TX, AR, and 9 fatalities in IL, LA, and KY-IL tornadoes. (Grazulis 1993, p. 496.)

1930-39 -- Dust Bowl, TX and OK Panhandles	-- 68
1930 -- Polio (Acute), especially late Summer through Fall, especially children	--1,370
1930 -- May 1, Tornadoes, KS, MO, NE, IA, WI	-- 14
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
1932 -- March 21-22, "Deep South" Tornado Outbreak, AL, GA, KY, SC, TN	-- 350
1933 -- Polio (Acute), especially late Summer and Fall, especially children	-- 797
1933 -- Feb 9, Cold Wave	-- 60
1933 -- March 14, Tornado, Campbell, Claiborne Counties, TN; Bell County, KY	-- 12
1933 -- March 30/31, Storm and Tornadoes, TX/AR/MS/AL/TN/GA	-- 68
1933 -- May 22, Tornadoes, OK, KS, NE, ND	-- 16
1934 -- Polio (Acute), especially late Summer and Fall, especially children	-- 852
1935 -- Polio (Acute), especially late Summer-and Fall, especially children	--1,040
1935 -- May 30-June 1, Floods, esp. Republican & Kansas Rivers, esp. NE, CO, KS	--159-168
1936 -- Polio (Acute), especially late Summer and Fall, especially children	-- 780
1936 -- Jan 18, Tornadoes, AL, FL, GA	-- 20
1936 -- March, Flooding, New England	-- 150
1936 -- Apr 5, Tornadoes, AL, AR, MS, TN	-- 249
1937 -- Polio (Acute), especially late Summer and Fall, especially children	--1,461
1937 -- Sep-Oct, Elixir Sulfanilamide med. poisoning when diethylene glycol added	--105-106
1938 -- Polio (Acute), especially late Summer and Fall, especially children	-- 487
1938 -- March 30-31, Tornadoes, AR and MO	-- 11
1938 -- Oct 11, Forest Fire, Border of Ontario/MN	-- 22
1939 -- Polio, especially late Summer through Fall, especially children	-- 773
1939 -- June-Sep, Heat, esp. Sep 15-23, Los Angeles (546), TX (42), MO (37)	⁷⁷² --527-1,073

Multi-State Large Loss-of-Life Events (con't)

1940 -- Apr 30, Tornadoes, AR, MO	-- 11
1940 -- Aug 11-12, Hurricane, GA/SC	-- 65
1940 -- Jan 23, Snowstorm/Coldwave, MS, AL, GA, NC, SC, TN, VA, DC, MD, NJ	-- 17
1940 -- Nov 11-12, "Armistice Day Storm," KS to West WI	-- 144
1941 -- Polio, especially late Summer and Fall, especially children	-- 807
1941 -- Sulfathiazole Winthrop Poisoning (tablets contaminated with phenobarbital)	-- ≥82
1941 -- March 15, Blizzard, ND and MN	-- 151
1942 -- Polio, especially late Summer and Fall, especially children	-- 561
1942 -- Feb 20, Seven U.S. Military Planes Crash, CA, Wash. DC, TX (2), WA (2)	-- 13
1942 -- March 16, Tornadoes, IL, KY, MS, TN, AL, IN	-- 145
1942 -- June 01, Planes Crash, Two USAAF (MD and PA) and one US Navy (CA)	-- 9-10
1942 -- Sep 22, Eight USAAF Planes Crash or Collide, CT, FL (3), GA, ME (2), PA	-- 25
1943 -- Measles, especially children	--1,301

⁷⁷² 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."

1943 -- Polio, especially late Summer and Fall, especially children	--1,151
1943 -- Whooping Cough, especially children, nationwide	--3,368
1943 -- May 21-24, Flooding, Lower Mississippi Valley	--17-34
1943 -- April-June, Maumee/Wabash/Upper MI/MO/White River Flooding	-- 60
1943 -- Jun 26, Six USAAF Plane Crashes/Collisions, CA (2), FL (2), ME, SC	-- 16
1944 -- June 23, Appalachians Tornado Outbreak, WV, PA, MD, DE	-- 154
1945 -- Measles, especially children	-- 307
1945 -- Polio, especially July-Nov (Sept. peak)	--1,186
1945 -- Feb 12, Tornadoes, AL, MS	-- 43
1945 -- Mar 08, Flooding, especially Ohio River, especially IN, KY, OH, PA, WV	-- 10
1945 -- Apr 12, Tornado Outbreak, OK, AR, MO	-- 128
1945 -- Nov 29-30, New Jersey, New York and New England Nor'easter	--26-38
1946 -- Jan 6, Tornado Outbreak, AR/MS	-- 11
1946 -- Apr 1, Aleutian Islands, Alaska Earthquake/Tsunami, AK, HI, CA	-- 170
1947 -- Apr 9, Tornado Outbreak, F5, OK, TX, KS	-- 181
1947 -- Apr 29, Tornado Outbreak, MO, AR	-- 24
1947 -- Sep 17-19, Fort Lauderdale Hurricane, FL, LA	-- 51
1947 -- Dec 26, Winter/Snow Storm, New England, PA, NJ, NY	-- 35
1948 -- Heat Wave	-- 147
1948 -- March 19, Tornado Outbreak, MO, IL, KY, OH, PA, MD	-- 43
1949 -- Jan 2-5, Blizzard and Extreme Cold, CO/7, NE/20, SD/1, WY/12	-- 40
1949 -- May 21, Tornado Outbreak, MO, IL, IN	-- 51
1949 -- Dec 11, Tornadoes, AR, MO	-- 10
1949-52 -- Polio	--6,000

Multi-State Large Loss-of-Life Events (con't)

1950 -- Feb 12, Tornadoes, TX, LA	-- 31
1950 -- Nov 25-27, Winter "Storm of the Century," Eastern U.S.	-- 300
1951 -- Jan 27-Feb 8, Cold Waves, Winter Storms, ice, sleet, snow, nationwide	--175-200
1952 -- Mar 21, Tornado Outbreak, AR, TN, MO, MS	-- 202
1952 -- Apr, Flooding, Red River of North and upper Mississippi River	-- 11
1952 -- Nov 25-26, Winter Storm, Mid and Southwest, esp. CO, IA, KS, MN, NE	-- ≥38
1953 -- Jan 10-11, Winter Storms, New England, Northeast, Pacific Northwest	--34-61
1953 -- May 1-2 Tornadoes, AL, TN, SC	-- 13
1953 -- May 10, Tornadoes, WI, MN, IA	-- 12
1953 -- Jun 08, Tornadoes, MS, MI, OH	-- 142
1954 -- Polio, especially late Summer and Fall, especially children	--1,368
1954 -- Sep 11, Hurricane Edna, Northeast US	-- 21
1954 -- Oct 5-17, Hurricane Hazel	-- 95
1954 -- Aug 31, Hurricane Carol, New England	-- 60
1955 -- Polio, most States, especially, Boston, MA (~200)	--1,043
1955 -- Apr 25, Tornado Outbreak, OK, KS, MO	-- 101
1955 -- May 25, Tornadoes, TX, OK, KS	-- 102
1955 -- Aug 12-13, Hurricane Connie, SC, NC, PA, NY	-- 43
1956 -- Polio, especially late Summer and Fall, especially children	-- 566

1957 -- Influenza Epidemic, Nationwide	--70,000
1957 -- Polio, especially late Summer and Fall, especially children	-- 221
1957 -- Jan 14-17, Winter Snowstorms, Cold, especially Upper Midwest, Northeast	-- 63
1957 -- Jan, Late and Early February, Flooding, TN, KY, VA, WV, AL	-- 14
1957 -- Apr-Jun, Flooding, TX, AR, KS, LA, MO, OK River Basins	-- 18
1957 -- Nov 7, Tornado Outbreak, LA, MS, TX	-- 12
1957 -- Dec 3-4, Snowstorm, esp. CT, DC, DE, IN, MD, NJ, NY, OH, PA and VA	--20-29
1958 -- Polio (Acute), especially late Summer and Fall, especially children	-- 255
1959 -- Polio (Acute), especially late Summer and Fall, especially children	-- 454

Multi-State Large Loss-of-Life Events (con't)

1960 -- Polio (Acute), especially late Summer and Fall, especially children	-- 230
1960 -- Mar 2-5, Snowstorm, IL, IN, OH, KY, WV, PA, MD, NJ, New England	--81-174
1960 -- Sep 9-14, Hurricane Donna, FL/Eastern U.S.	-- 50
1961 -- Polio (Acute), especially late Summer and Fall, especially children	-- 90
1961 -- Sep 11-14, Hurricane Carla, TX, LA, KS, MO	-- 46
1962 -- Polio (Acute), especially children	-- 60
1962 -- Mar 5-9, Ash Wednesday Nor'easter, Mid Atlantic States	-- 40
1962 -- Oct 12, Columbus Day Wind Storm, CA, OR, WA	-- 46
1963 -- Polio (Acute), especially children	-- 41
1963 -- Apr 29, Tornadoes, MO, MS, TN	-- 12
1964 -- Oct 3-4, Hurricane/Tropical Storm Hilda/Tornadoes, LA, MS, SE Coast	-- 42
1965 -- Sep 7-10, Hurricane Betsy, SE FL, SE LA	-- 81
1966 -- Jan-Dec, Influenza and Pneumonia, nationwide	63,615
1966 -- Mar, Midwest Blizzard	-- 27
1967 -- Jan 26-27, "The Great Midwest Blizzard"	-- 76
1967 -- Sep 5-22, Hurricane Beulah, TX and NM	-- 59
1968 -- Influenza Epidemic, Nationwide	--28,000
1968 -- Apr 03, Tornado Outbreak, AR, KY, TN, OK, MO	-- 12
1968 -- May 15, Tornado Outbreak, AR, IA, IL, IN, OH	-- 71
1970 -- Sep 4-6, Thunderstorms, Four Corners Flooding, AZ, CO, NM, UT	-- 23
1972 -- Jun 19-22, Hurricane Agnes, Northeast U.S.	-- 129
1972 -- Aug 16, Marine Wind Storm off Northern CA and Southern OR	-- 13
1973 -- Feb 8-11 Snow Storm, SE U.S., AL/FL/GA/LA/MS/NC/SC/TX/VA	-- 15
1973 -- Mar 31, Tornadoes, GA, SC	-- 10
1973 -- May 26, Tornadoes, KS, OK, AR	-- 11
1974 -- Serial Killings, Paul John Knowles, FL, OH, NV, TX, AL, VA, GA	-- 18
1974 -- Apr 3-4, Tornadoes, AL, GA, IL, IN, KY, MI, NC, OH, TN, VA, WV	-- 330
1975 -- Jan 10-12, Blizzard, Great Storm of 1975, especially IA, MN, NE, ND, SD	--80-84
1975 -- Jan 10, Tornadoes, LA, MS, AL	-- 11
1977 -- Jan 28-Feb 1, Blizzard, Great Lakes and/or Buffalo	-- 29
1977 -- Apr (early) Flooding from rain, Western Slopes Appalachian Mountains	-- 22
1977 -- November 6/7, Heavy Rain, Flooding, esp. west Appalachian Mts., NC, TN	-- 13
1978 -- Jan 25-27, "Great Blizzard of 1978," OH, MI, IN, KY, IL, PA, WI	-- 73

1978 -- Feb 5-8, Nor'easter & Blizzard, New England	-- 56
1978 -- April, Flooding, Pearl River, LA and MS	-- 15
1979 -- June Aug esp., Heat, ICD-9 E900 excessive heat/hyperthermia, esp. CA/AZ/TX	-- 148
1979 -- Aug 30-Sep 6, Hurricane David, Puerto Rico (Aug 30-31) and East Coast	--21-22
1979 -- Oct 29-Nov 2, Winter snow storm/blizzard, Midwest/Great Plains, esp. CO/6	-- 13
1979 -- Oct 31, Western Airlines Flight 2605 crash, Mexico City Int. Airport	--34 U.S. of 73
1979 -- Nov 28, Air New Zealand sightseeing crash, Mount Erebus, Antarctica	--24U.S. of 257

Multi-State Large Loss-of-Life Events (con't)

1980 -- June-Sep, Heat, esp. Midwest & So. Plains, esp. MO/TN/AR/TX/MS ⁷⁷³	--1,863-1,904
1980 -- Aug 6-10, Hurricane Allen, TX & off LA coast (including copter crash 13)	-- 24
1981 -- June-Aug (esp.), Heat, esp. CA/44, GA/32, TX/23, OR/19, AZ/17, NY/16, AR/14--	≥345
1981 -- Nov 13-15, Windstorms, Pacific Northwest, especially OR/10 and WA/5	-- 15
1982 -- Jan 7-18, Extreme Cold Waves, ice/snow storms, esp. South, NE, Midwest	--256-314
1982 -- Apr 2, Tornadoes, AR/IL/IA/KS/LA/MS/NE/OK/TN/TX esp. AR/15, MS/3, MO/2 TX/11--	31
1982 -- June-Aug (esp.), Heat (ICD Code E900, Excessive heat/hyperthermia)	-- 196
1983 -- Measles/Rubella (German Measles) CA/1, FL/1, KS/1, MI/1, MN/1, NM/1, NC/1	-- 7
1983 -- Feb 10-12, Snow Storm/Blizzard, Mid-Atlantic Coast, Southern New England	-- 13
1983 -- July-Aug esp., Heat (esp. July 15-30) esp. MO/70 KY/57 IL/53 GA/35 TX/35	--595-597
1984 -- March 28- 30, Nor'easter, wind/snow storms, Northeast, esp. NY/~16, PA/~11	-- ~33
1984 -- March 28, Tornadoes and severe weather, NC (42-44) and SC (21)	--63-65
1984 -- May 6-10, Severe storms, flooding/12 deaths, tornadoes, SE, esp. KY/7, TN/3	-- 16
1984 -- June-early Sep, Heat, especially CA/53, TX/23, AZ/16, PA/15, NY/14	-- 228
1984 -- June 7, Tornadoes (13), High Wind, Flash Flooding, WI/9, OK, IA/4, MO/2	-- 15
1985 -- Measles ICD-9, 055 code, AZ (1); IL (1); ME (1); MA (1) MO (1, rubella/056)	-- 5
1985 -- Jan 8-13, Winter Cold Wave and Snow Storms, esp. PA/6; MA/5 and TX/5	-- 36
1985 -- Jan 18-24 (esp. 19-21), Winter Cold Wave/Storms, esp. East and South	--176-184
1985 -- Summer Heat, ICD-9 E900 (Excessive Heat/Hyperthermia), esp. CA/29; GA/26	-- 227
1985 -- Sep 27-28, Hurricane Gloria, East Coast, esp. NC/NJ/NY/CT/MA/NH/RI ⁷⁷⁴	--15-16
1985 -- Nov 4-5, Flooding, Hurricane Juan remnants, WV, VA, PA, MD (esp. WV) ⁷⁷⁵	--71-74
1986 -- Measles, ICD-9, 055; LA/1, MS/1; ICD-9 056 (Rubella/German measles) TX/1	-- 3
1986 -- June-Aug, Heat, esp. GA/41 TX/38 IL/30 AR/25 MS/23 CA/22 SC/22 NC/20	-- ≥400
1987 -- Summer Heat, esp. Philadelphia/50, MO/28, FL/24, GA/24, TX/23, AR/21 ⁷⁷⁶	-- 388
1988 -- Measles, LA County, CA/1 Palm Beach Co., FL/1 Palm Beach Co., OR/1	-- 3
1988 -- June 11-June 18, 2003, Charles Cullen Hospital Serial Killer, NJ, PA	--35-45
1988 -- Heat, June 1-Aug 31 especially; esp. IL/341; MI/121; IN/~44; MO/~44	--911-919
1989 -- Apr 19, USS Iowa No. 2 Turret Explosion, near Puerto Rico	-- 47

⁷⁷³ 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.

⁷⁷⁴ The range -- we can find no substantiation for a report of one life lost in a plane crash in NY related to the storm.

⁷⁷⁵ 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.

⁷⁷⁶ Does not include 18 illegal immigrants who died of dehydration and heat in locked RR car, Sierra Blanca, TX.

1989 -- Heat, especially June-August, especially MO (~18) and T (9) -- 38
 1989 -- June 26-July 5, Tropical Storm Allison & remnants, esp., LA, MS, TX, NC, DE, NJ-- 20
 1989 -- Sep 18 (Puerto Rico); 21-22 (SC/NC), Hurricane Hugo, also VA, NY, USVI --59-86

Multi-State Large Loss-of-Life Events (con't)

1990 -- June-Aug, Heat; esp. FL (10 deaths); LA (21); MO (12); and OK (11) -- 92
 1990 -- Oct 10-12, Tropical Storms Marco and Klaus remnants, FL, GA, SC, NC -- 12
 1991 -- Aug 19-20, Hurricane Bob, Coastal SC, NC, NY, and New England --15-16
 1991 -- Oct 28-Nov 1, Perfect Storm Nor'easter, East Coast, *Andrea Gail* Lost -- 13
 1992 -- Year, Measles, especially young children -- 3-11
 1992 -- July-Aug (especially), Heat; especially CA/37, TX/20, AZ, GA, MS 10 each -- 155
 1992 -- Nov 21-23, Tornado Outbreak, GA/6 KY/1 MS/15 NC/2 SC/1 TN/1 -- 26
 1992 -- Dec 10-13, East Coast Nor'easter; Snow/High Waves/Wind; esp. PA (9) -- ~23
 1993 -- March 12-14, Gulf/East Coast late Winter Storm⁷⁷⁷; esp. FL/51 & PA/52 --247 (US)-318
 1993 -- May esp., Hantavirus Pulmonary Syndrome, esp. Native Americans, NM/AZ --13-16
 1993 -- May-early Nov, especially July, Midwest Flooding, esp. MS & MO Rivers --66-85
 1993 -- June-Aug (esp.), Heat, especially July 6-16 Philadelphia Heatwave (118) -- 311

1994 -- Jan 4-5, 'Nor'easter,' heavy snow, East Coast, esp. northeast, esp. PA (10) -- ~17
 1994 -- Jan 14-21, Winter Extreme Cold and Snow, Northeast, Midwest, South⁷⁷⁸ --78-110
 1994 -- Feb 8-13, Southeast, Southwest, Midwest Ice, Snow, Freezing Rain, Sleet -- ≥15
 1994 -- June-Aug esp., Heat, esp. AZ/47 (esp. July), CA/33, PA/22 (esp. July 5-10), TX/16 -- 221
 1994 -- July, Early to Mid, Tropical Storm Alberto, Southeast Flooding -- 50

1995 -- June-Aug, esp. July 12-17, Heat, esp. IL/>700 WI/154 PA/146 MO/58 1,563-1,601
 1995 -- Aug 13-19 Hurricane Felix, especially NC and NJ (also RI and VA) -- 12
 1995 -- Aug 23-28, Tropical Storm Jerry, especially FL, SC, NC -- 13
 1995 -- Sep 15-16, Hurricane Marilyn, U.S. Virgin Islands, Puerto Rico -- 10
 1995 -- Oct 4, Hurricane/Tropical Storm Opal, FL panhandle, AL, NC, esp. GA --30-34

1996 -- Jan 6-8, Blizzard of '96, East Coast and Northeast -- 187
 1996 -- Jan 19-20, East Coast Flooding, especially PA (19) and NY (10) -- 38
 1996 -- June-Aug esp., Heat, especially AZ/54, CA/40, TX/39, OK/15, GA/11, IL/10 -- 249
 1996 -- July 09 (Puerto Rico), and 12-13 (East Coast), Hurricane Bertha, esp. NC -- 12

1997 -- March 1, Tornadoes; especially AR (27 deaths) MS (1 death) and TN (1)⁷⁷⁹ -- 29
 1997 -- March 1-3, Flash Floods & Flooding, esp. Ohio River Valley, esp. KY (21) --33-36
 1997 -- June-Aug esp., Heat, especially PA/36 IL/29 AZ/23 TX/22 CA/19 LA/11 -- 182
 1997 -- July 18-26, Hurricane and Tropical Storm Danny, Gulf, lower East Coasts --10-12

1998 -- Jan 5-9, Gulf storm system; southern flooding (15); northeast ice storm (21) -- 36

⁷⁷⁷ Sometimes referred to as the "Superstorm of 1993," or the "Storm of the Century."

⁷⁷⁸ 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.

⁷⁷⁹ Includes one indirect electrocution death in Pulaski County, AR, on March 2, during clean-up; male, 35.

1998 -- June-Aug, Heat, esp. July, esp. TX/120 AZ/74 LA/41 CA/32 OK/32 FL & IL/18 -- 435
 1998 -- Aug-Feb 1999 -- Listeria tainted hot dog and deli meat food poisoning deaths -- 21
 1998 -- Aug 22-25, Tropical Storm Charley, TX, LA -- 12
 1998 -- Sep 21 (PR), 25-29, Hurricane Georges, Puerto Rico, AL, FL, GA, LA, MS -- 17

Multi-State Large Loss-of-Life Events (con't)

1999 -- Jan 1-5, Winter Storms/Cold, esp. Midwest; most esp. greater Chicago vic., IL --89~100
 1999 -- May 3, Tornadoes (74; 58 in OK); KS (6 deaths) & especially OK (45) ⁷⁸⁰--51-55
 1999 -- June-Aug esp., esp. July, Heat, esp. IL/141 MO/92 PA/90 AZ/57 TX/42 NY/40--⁷⁸¹776-1050
 1999 -- Sep 15-17, Hurricane Floyd, Mid Atlantic, Northeast, particularly NC --88-89

2000 -- June-Aug, esp., Heat, esp. TX/77, AZ/66, CA/43, LA/23, MO/22, PA/17, MS/16 -- 333

2001 -- June-Aug esp., Heat, esp. AZ/74, MO/40, Chicago/36, PA/28, WI/24 CA&TX/23 -- 378
 2001 -- June 8, Tropical Storm Allison Flooding, TX, LA, FL, NC, VA, PA -- ~ 50
 2001 -- Sep 11, 9/11 Terrorist Attacks, WTC (NYC), Pentagon, Shanksville, PA --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

2002 -- June-Aug esp., Heat, esp. AZ/130, MD/50, PA/42, IL/40, TX/39, CA/36, MI/27 -- 471
 2002 -- July-Sep, Food poisoning Listeriosis outbreak, sliceable turkey deli meat, northeast- 7-10
 2002 -- Nov 10, Tornado Outbreak, AL (12) MS (1) OH (5) PA (1) TN (15) -- 34

2003 -- May, Tornado Outbreak (516), South, Midwest -- 38
 2003 -- June-Aug esp., Heat, especially AZ/153, TX/63, CA/35, FL/18, MO/17 -- 351
 2003-04 -- Pediatric Influenza-Associated Deaths reported to the CDC from 40 States -- 153

2004 -- June-Aug especially, Heat, especially AZ/130, TX/53, CA/31, FL/23, NV/14 -- ≥319
 2004 -- Sep 5-8, Hurricane Frances, FL, GA, SC, NC, OH (esp. FL) -- 64
 2004 -- Sep 15, Hurricane Ivan and Tornadoes, FL, GA, NC, MS -- 57
 2004-05 -- Pediatric Influenza deaths reported to the CDC, multiple States -- 47

2005 -- June-Aug esp., Heat, esp. AZ/244, NYC/~140, TX/112, CA/55, MD/47, PA/26 -- 847
 2005-06 -- Pediatric Influenza deaths reported to the CDC, multiple States -- 46

2006 -- Apr 2, Tornadoes, high-wind Storms, AR, IL, IN, MO, esp. NW TN --29-30
 2006 -- June-Aug esp., Heat, esp. CA/184 AZ/169 NY/148 TX/106 MD/44 IL/43 PA/32 -- ≥912
 2006 -- Nov 29 (late)-Dec 1, Winter Storms, especially the Midwest, also NY, PA --23-24
 2006-07 -- Pediatric Influenza deaths reported to the CDC, multiple States -- 76

⁷⁸⁰ 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.

⁷⁸¹ 776 is the total we have been independently able to derive through State breakouts. 1,050 is a summary number noted by a CDC MD, citing the National Vital Statistics System.

2007 -- Feb 17-18, Avalanche Deaths; Utah (4); Montana (2); Idaho (1)	--	7
2007 -- June-Aug esp., Heat, esp. AZ/132, CA/62, TX/43, MO/34, MD/20, TN/19, SC/16	--	438
2007 -- Nov 30-Dec 1, Winter Storms, especially the Midwest, also Northeast	--	≥16-19
2007 -- Dec 1-4, Winter Storm (The Great Coastal Gale of 2007) Pacific NW	--	13
2007 -- Dec 15-16, Midwest and East Coast Snow Storm	--	~10
2007 -- Dec 22-23, Winter Storm, Midwest, MN/WI/WY (3 each); TX (2); KS (1)	--	12-19

Multi-State Large Loss-of-Life Events (con't)

2007-08 -- Pediatric Influenza deaths reported to the CDC, multiple States	--	83
2008 -- Feb 5-6, "Super Tuesday" Tornado Outbreak, AL, AR, KY, TN	--	62-63
2008 -- June-Aug esp., Heat, esp. AZ/112 TX/66 CA/42 PA/27 NV/19 NC/18 MD/17	--	393
2008 -- June 4-12, Heavy Rain leading to Flash Flooding and Flooding, Midwest	--	11
2008 -- Sep-March, 2009; Salmonella food poisoning; peanut butter; ID/MN/NC/OH/VA	--	9
2008-09 -- Pediatric Influenza deaths reported to the CDC from 24 States & NYC ⁷⁸²	--	67
2009 -- Jan 26-29, Ice and Snow Storm, esp. Central/Eastern U.S., esp. KY and AR	--	91
2009 -- April 12-April 10, 2010, H1N1 "Swine Flu" Pandemic (U.S.)		12,469
2009 -- April 15-Oct 2, 2010 -- Pediatric Influenza Deaths during H1N1 Flu Pandemic	--	348
2009 -- June-Aug esp., Heat, esp. AZ/156, CA/55, TX/47, FL/24, IL/16, MO & TN/11	--	402
2009 -- Dec 7-9, Winter storm/blizzard, extreme cold, esp. Midwest to East Coast	--	24
2010 -- HIV/AIDS, U.S., nationally		15,525
2010 -- March 13, Nor'easter, Heavy Rain, Strong Wind, NJ, NY, CT, RI, WV	--	13
2010 -- Jun-Aug esp., Heat, esp. AZ/186 TX/65 CA/36 MD/32 MO/26 MS/24 PA/24 TN/24	--	627
2010 -- May 1-2, Severe Storms with Flash Floods, Tornadoes, KY, MS, esp. TN	--	31-35
2010 -- Sep-Aug 2011, Pediatric Influenza-Associated Deaths reported to CDC, 33 States	--	115
2011 -- Apr 14-16, Storms, wind, tornadoes, flash flood, AL, AR, MS, NC, OK, VA	--	46
2011 -- June-Aug esp., Heat, esp. AZ/177 TX/126 MO/52 PA/40 IL/35 MD/34 OK/33	--	719-725
2011 -- Aug-Oct, Listeriosis food poisoning; cantaloupes; packing facility ~Holly, CO	--	33
2011 -- Aug 27-28, Hurricane Irene, CT/DE/FL/MD/MA/NH/NJ/NY/NC/PA/VA/VT	--	44-46
2011 -- Sep 2-10, Tropical Storm Lee, AL/GA/LA/MS/TX/TN/VA/MD/PA/NJ/NY	--	22
2011 -- Oct 29, Nor'easter Snowstorm, Northeast -- CT, MA, NJ, NY, PA	--	36
2011-12 -- Pediatric Influenza-Associated deaths reported to the CDC, multiple States	--	37
2012 -- Fungal Meningitis Outbreak due to tainted steroid injections	--	64
2012 -- Feb 30, Severe Weather, Tornadoes, Harrisburg, IL, KS, KY, MO, NE, TN	--	12
2012 -- Jun 29, Derecho, esp. Mid-Atlantic, Deaths: DC/KY/MD/OH/NJ/VA	--	20-24
2012 -- March-July 1, Wildfires, Western U.S., esp. CA, CO, MT, UT, WY	--	8
2012 -- Summer esp. Heat, esp. AZ/157, MO/52, MD/46, CA/45, TX/40, IL/33, WI/24	--	598
2012 -- Sep-Jan 2013, Pediatric Influenza deaths reported to the CDC, multiple States	--	171
2012 -- Oct 29-30, Hurricane Sandy, Mid-Atlantic, esp. NY, NJ, PA MD, CT, WV	--	154-155

⁷⁸² Sep 28, 2008-April 18, 2009 influenza season.

2012 -- Dec 25-27, Winter Storm, AL, AR, IN, KY, LA, OH, OK, NY, PA, TX, VA	--16-17
2013 -- Feb 8-9, Winter Storm Nemo, northeast, esp., CT, ME, MA, NH, NJ, NY	-- 18
2013 -- Summer especially, Heat, esp. AZ/151 NV/45 CA/10 IL/10 NY/11 TX/10 WI/11	-- 306
2013 -- Nov 22-25, Winter Storm Boreas, traffic accidents, esp. CA, OK, TX	-- 13
2013-14 -- Pediatric Influenza deaths reported to the CDC, Multiple States	-- 111
2014 -- Jan 1-7, Winter Storms and Polar Vortex Cold Wave	--44-45
2014 -- Jan 28-29, Winter Storm Snow/Ice, traffic accidents, AL, GA, MS, NC, SC	-- 14
2014 -- Feb 11-16, Winter Storm Pax, ⁷⁸³ Ice and Snow Storm, esp. East Coast	--25-29
2014 -- Apr-Oct esp., Heat, (\geq 30 young children) 19 States esp. AZ/~86, NV/12, CA/8	-- ~135
2015 -- June-Aug (esp.), Heat, especially AZ/58; TN/47; NV/44; CA/38; TX/38	-- 339
2015 -- Dec 23, Storms and Tornadoes, AR (1 death) MS (10 deaths) and TN (6)	-- 17
2017 -- Sep 6, Hurricane Irma, PR, US Virgin Isl.; Sep 10-11, GA, SC, NC, esp. FL	-- 107

⁷⁸³ The name “Pax” came from *The Weather Channel*.

Native Americans

1633 -- Smallpox Epidemic, Native Americans, New England	-- 950
*1637 -- Mystic Massacre, English Colonists Attack Pequot Village, CT	-- 700
1644 -- New Amsterdam English massacre sleeping Native village	-- ~500
*1690 -- Feb 8, Massacre at Schenectady French and Indians, NY, NY	-- 60
*1692 -- Massacre at York, Maine by French and Indians, January 25	-- 75
1729 -- Natchez Massacre, Native American Attack	-- 200
*1738 -- Smallpox Epidemic, Cherokee Nation, Charleston SC,	--3,311
1812 -- August 15, Pottawatomie Massacre of Soldiers and Homesteaders, IL	-- ~98
*1813 -- September 1, Creek Massacre of two families in Clarke County, AL	-- 12
1815-16, Winter -- Smallpox Epidemic, Comanche Nation ⁷⁸⁴	-->4,000
*1828 -- Jedediah Smith Massacre, near Gardiner, OR	-- 15
1829-1833 -- Epidemic, Pacific Northwest Native Americans	--10,000
*1832 -- August 2, Battle Island Massacre/Massacre of Bad Axe, WI	-- < 60
*1833 -- Epidemic, California Native Americans, Summer, CA	--20,000
1837 -- Smallpox, Native American Tribes	--10,555
*1857 -- Sept. 3, Bluewater Creek Massacre, Col. Harney Attacks Sioux Camp CO	-- 85
*1860 -- February 26, Eel River/Wiyot Indian Massacre by Larrabee Gang CA	-- <100
1862 -- Late Summer, Minnesota Native American Indian "Insurrection"	-- ~300
*1863 -- January 29, Massacre at Shoshoni Village, Bear River, UT Territory	-- 384
*1864 -- Nov. 29, Sand Creek Massacre, Cheyenne/Arapaho Camp Attacked, CO	-- 150
*1868 -- November 27, "Battle" of the Washita, Custer attacks Cheyenne vil., OK	-- 103
*1870 -- January 23, Marias River Piegan Tribe Massacre, 2 nd Cav. MT Territory	-- 173
*1871 -- April 20, Camp Grant Arivaipa Apache Massacre, AZ Territory	-- 150
*1884 -- May 6-8 & July 6-7, Nativist Riots, Philadelphia, PA	--< 30
*1888 -- Measles Epidemic, Omaha Nation, NE	-- 87
*1889 -- Measles Epidemic, Omaha Nation, NE	-- 50
*1890 -- December 29, Wounded Knee Massacre, U.S. 7 th Cavalry, SD	-- 350
*1898 -- Smallpox Epidemic, Moqui Indian Tribe, AZ	-- 220
*1967 -- December 14, Blizzard, Navajo Reservation, NM	-- 51

African American

*1712 -- April 6, Fear of Insurrection of Blacks, NYC, NY	-- 21
*1741 -- Slave Uprising, Freedom-Fighters Executed, New York City, NY	-- 52
*1800 -- Aug. 30, Gabriel's Rebellion/Slave Uprising/Mass Hanging, Richmond, VA	-- 35
*1811 -- January, Deslondes Slave Rebellion and Retaliation, German Coast, LA	-- 101
*1822 -- June, Slave Insurrection Conspiracy charge/ex., Charleston, SC	-- 35
*1831 -- Slave Insurrection, VA & NC Border Area	-- 55
*1866 -- May 1-3, Memphis Massacre (Racial) TN	-- 46
*1868 -- September 28, Opelousas Massacre (Racial), LA	-- 300
*1873 -- April 13, Colfax Massacre (Racial), Colfax, LA	-- 153
*1886 -- March 18, Racial Hate Crime Carrollton Massacre, Carrollton, MS	-- >12

⁷⁸⁴ 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.

*1906 -- September 22-26, Race Riot, Atlanta, GA	--25-40
*1910 -- July 30, Racial Violence, Palestine/Elkhart/Slocum, TX	-- 28
*1917 -- July 1-3, Race Riot East St. Louis, IL	-- 152
*1919 -- July 27-August 3, Race Riots, Chicago, IL	-- 38
*1919 -- September 30-October 2, Elaine Race Riot/Elaine Race Massacre, AR	-- <100
*1921 -- May 31-June 1, Race Riot, "The Black Wall Street," Tulsa, OK	-- 200
*1965 -- August 11-17, Watts Race Riots, Los Angeles, CA	-- 34
*1967 -- July 12-17, Race Riot, Newark, NJ	-- 26
*1967 -- July 23, Detroit Race Riot, 82 nd Airborne, MING, Detroit Police, MI	-- 43