

2002 Annual Summaries

National Oceanic and Atmospheric Administration
National Environmental Satellite Data Information Service
National Climatic Data Center

FLOOD/FLASH FLOOD



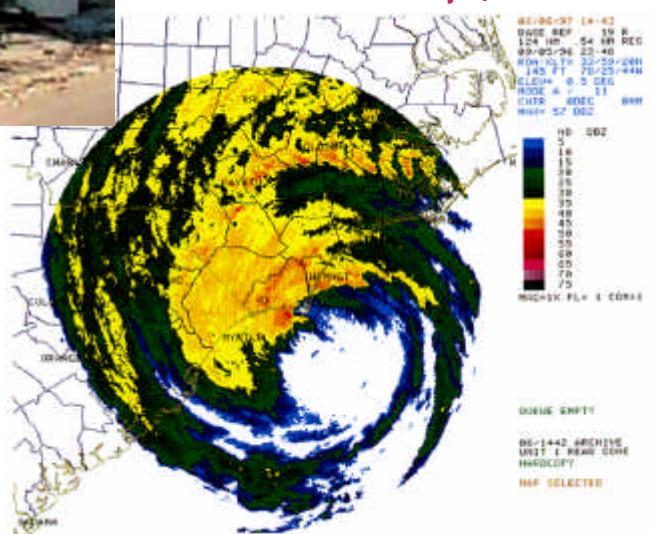
Lightning



Tornado



Hurricane



2002 Annual Summaries

Flood/Flash Flood Lightning Tornado Hurricane

All summaries are compiled from information contained in the Storm Data Publication.

Sources include the Storm Data Publication, the National Weather Service's Office Climate, Water and Weather Services.

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Summary of Natural Hazard Statistics for 2002 in the United States



This National Weather Service (NWS) report summarizes fatalities, injuries and damages caused by severe weather in 2002. The NWS Office of Climate, Water and Weather Services and the National Climatic Data Center compiled this *Summary of U.S. Natural Hazard Statistics* from Storm Data, a report comprising statistics from NWS forecast offices in the 50 states, Puerto Rico, Guam, and the Virgin Islands.

Summary of 2002 Weather Events, Fatalities, Injuries, and Damage Costs

LAST UPDATED : 11/12/2003

| <u>Weather Event</u> | <u>Fatalities</u> | <u>Injuries</u> | <u>Amount of Property Damage (M)</u> | <u>Amount of Crop Damage (M)</u> | <u>Total Prop/Crop Damage (M)</u> |
|------------------------------------|-------------------|-----------------|--------------------------------------|----------------------------------|-----------------------------------|
| <u>Convection</u> | | | | | |
| Lightning | 51 | 256 | \$ 43.5 | \$ 0.0 | \$ 43.5 |
| Tornado | 55 | 968 | 801.3 | 0.8 | 802.1 |
| Tstm Wind | 17 | 287 | 289.8 | 54.7 | 344.5 |
| Hail | 0 | 125 | 325.2 | 153.8 | 479.0 |
| <u>Extreme Temperatures</u> | | | | | |
| Cold | 11 | 0 | 0.3 | 70.4 | 70.7 |
| Heat | 167 | 378 | 0.0 | 0.0 | 0.0 |
| <u>Flood</u> | | | | | |
| Flash Flood | 38 | 74 | 329.6 | 44.8 | 374.4 |
| River Flood | 7 | 5 | 322.8 | 37.7 | 360.5 |
| Small Stream/Urban Flood | 4 | 9 | 2.6 | 0.0 | 2.6 |
| <u>Marine</u> | | | | | |
| Coastal Storm | 11 | 8 | 0.3 | 0.0 | 0.3 |
| Tsunami | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Rip Current | 43 | 60 | 0.1 | 0.0 | 0.1 |
| <u>Tropical Cyclones</u> | | | | | |
| Tropical Storm/Hurricane | 51 | 346 | 1,104.4 | 278.0 | 1,382.4 |
| <u>Winter</u> | | | | | |
| Winter Storm | 17 | 105 | 752.0 | 0.0 | 752.0 |
| Ice | 0 | 0 | 0.1 | 0.0 | 0.1 |
| Avalanche | 15 | 11 | 0.0 | 0.0 | 0.0 |
| <u>Other</u> | | | | | |
| Drought | 0 | 0 | 0.0 | 737.6 | 737.6 |
| Dust Storm | 2 | 45 | 0.4 | 0.0 | 0.4 |
| Dust Devil | 0 | 1 | 0.0 | 0.0 | 0.0 |
| Rain | 1 | 1 | 0.8 | 1.1 | 1.9 |
| Fog | 19 | 143 | 3.5 | 0.0 | 3.5 |
| High Wind | 28 | 129 | 82.9 | 33.5 | 116.4 |
| Waterspout | 0 | 1 | 0.0 | 0.0 | 0.0 |
| Fire Weather | 1 | 138 | 200.8 | 2.0 | 202.8 |
| Mud Slide | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Volcanic Ash | 0 | 0 | 0.0 | 0.0 | 0.0 |
| Miscellaneous | 2 | 0 | 0.0 | 0.0 | 0.0 |
| TOTALS | 540 | 3090 | \$4,260.4M | \$1,414.4M | \$5,674.8M |

Summary of 2002 Natural Hazard Statistics

In 2002, there were 540 weather-related fatalities, a significant increase from 464 in 2001, but below the 10-year average (1993-2002) of 634. As in the previous 4 years, extreme heat ranked as the number one weather-related killer in the United States with 167 deaths (31%). In 2002, tornadoes caused the second highest number of fatalities with 55 (10%), followed by tropical storms/hurricanes, 51 (9%), and lightning, 51 (9%).

Weather-related injuries rose moderately in 2002 to 3,090, from 2,718 in 2001. Tornadoes and heat caused the greatest number of injuries with 968 (31%) and 378 (12%), respectively.

In 2002, severe weather caused \$5.7 billion in damages. Tropical storms and hurricanes resulted in nearly \$1.4 billion in property and crop losses and tornadoes had \$802 million.

Louisiana suffered damages of \$832 million from two tropical cyclones – Hurricane Lili in October and Tropical Storm Isidore in September. Nebraska was hit with \$633 million from drought and Guam with nearly \$492 million from tropical cyclones.

Of the 540 weather-related fatalities, 338 were males (63%) and 155 were females (29%). Men in the 40- to 59-age range accounted for 35% of the male fatalities. Women in the 60- to 89-age group accounted for 39% of the female fatalities. Forty-seven fatalities are unknown when Tropical Storm Chataan struck Chuuk in Micronesia (Guam's area of responsibility) and caused devastating mudslides.

July was the deadliest month with 181 fatalities, 138 of which were from excessive heat.

In 2002, Guam (Chuuk in Micronesia) had the highest number of deaths with 55; Maryland had 54, and Illinois, 52. Topping the injuries list was Missouri with 405, California with 362, and Guam, 360.

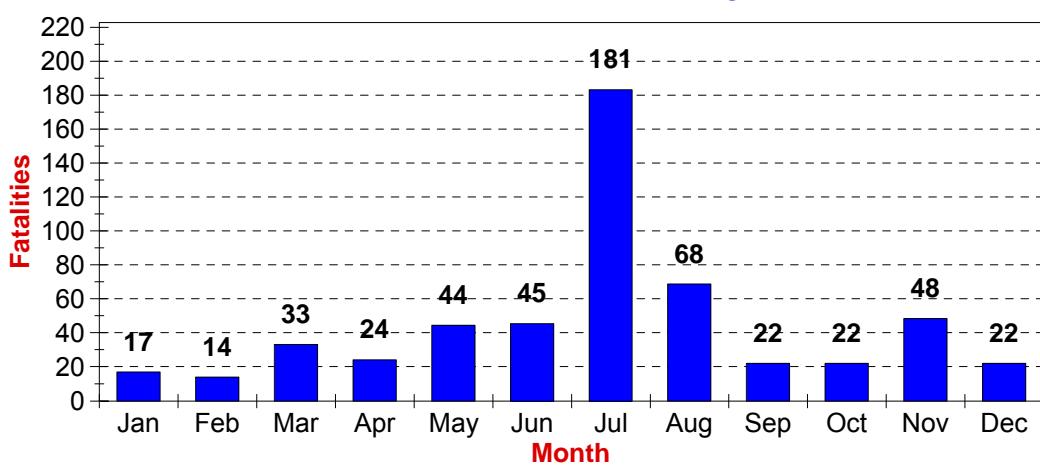
As in the previous 4 years, extreme heat ranked as the number one weather killer in the United States. The 10-year average for heat-related deaths is 235; for cold, 26. The 30-year average (1973-2002) for floods is 110; lightning, 69; tornadoes, 66; and hurricanes, 14.

2002 Summary of all Natural Hazards

2002 SUMMARY OF FATALITIES FOR ALL HAZARDS BY AGE AND GENDER

| | <u>FEMALE</u> | <u>MALE</u> | <u>UNKNOWN</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 10 | 10 | 0 | 20 | 4 |
| 10 TO 19 | 13 | 22 | 0 | 35 | 6 |
| 20 TO 29 | 18 | 35 | 0 | 53 | 10 |
| 30 TO 39 | 21 | 47 | 0 | 68 | 13 |
| 40 TO 49 | 17 | 60 | 0 | 77 | 14 |
| 50 TO 59 | 10 | 59 | 0 | 69 | 13 |
| 60 TO 69 | 19 | 36 | 0 | 55 | 10 |
| 70 TO 79 | 26 | 30 | 0 | 56 | 10 |
| 80 TO 89 | 16 | 17 | 0 | 33 | 6 |
| 90 TO -- | 3 | 5 | 0 | 8 | 1 |
| UNKNOWN | 2 | 17 | 47 | 66 | 12 |
| TOTAL | 155 | 338 | 47 | 540 | 100 |
| PERCENT | 29 | 63 | 9 | 100 | |

2002 MONTHLY WEATHER RELATED FATALITIES



2002 Summary of Hazardous Weather Fatalities, Injuries, and Damage Costs Listed by State

| <u>State</u> | <u>Fatalities</u> | <u>Injuries</u> | <u>Property Damage (M)</u> | <u>Crop Damage (M)</u> | <u>Total Damage (M)</u> |
|--------------|-------------------|-----------------|--------------------------------|----------------------------|-----------------------------|
| AK | 7 | 4 | 32.5 | 0.0 | 32.5 |
| AL | 21 | 158 | 36.8 | 0.0 | 36.8 |
| AR | 6 | 28 | 20.3 | 0.1 | 20.4 |
| AZ | 1 | 11 | 73.7 | 0.0 | 73.7 |
| CA | 25 | 362 | 150.8 | 38.0 | 188.8 |
| CO | 7 | 42 | 92.8 | 0.0 | 92.8 |
| CT | 5 | 1 | 2.9 | 0.0 | 2.9 |
| DC | 4 | 6 | 0.6 | 0.0 | 0.6 |
| DE | 1 | 0 | 0.5 | 0.0 | 0.5 |
| FL | 30 | 59 | 43.0 | 0.0 | 43.0 |
| GA | 3 | 38 | 54.4 | 4.7 | 59.1 |
| GU | 55 | 360 | 387.7 | 104.1 | 491.8 |
| HI | 2 | 3 | 2.8 | 0.2 | 3.0 |
| IA | 0 | 4 | 42.3 | 75.1 | 117.4 |
| ID | 8 | 27 | 4.7 | 0.0 | 4.7 |
| IL | 52 | 93 | 43.0 | 53.0 | 96.0 |
| IN | 0 | 153 | 124.5 | 70.2 | 194.7 |
| KS | 2 | 9 | 103.3 | 96.8 | 200.1 |
| KY | 2 | 60 | 102.8 | 74.5 | 177.3 |
| LA | 8 | 24 | 660.3 | 171.7 | 832.0 |
| MA | 0 | 2 | 4.1 | 0.0 | 4.1 |
| MD | 54 | 138 | 129.6 | 0.0 | 129.6 |
| ME | 2 | 3 | 0.8 | 0.0 | 0.8 |
| MI | 7 | 47 | 32.1 | 0.3 | 32.4 |
| MN | 1 | 11 | 239.8 | 38.5 | 278.3 |
| MO | 31 | 405 | 114.9 | 0.5 | 115.4 |
| MS | 7 | 56 | 118.3 | 0.0 | 118.3 |
| MT | 2 | 11 | 6.9 | 0.2 | 7.1 |
| NC | 8 | 29 | 211.7 | 0.0 | 211.7 |
| ND | 0 | 7 | 2.2 | 0.0 | 2.2 |
| NE | 4 | 37 | 110.6 | 522.8 | 633.4 |
| NH | 0 | 7 | 0.9 | 0.0 | 0.9 |
| NJ | 9 | 25 | 11.6 | 0.0 | 11.6 |
| NM | 0 | 3 | 7.5 | 0.4 | 7.9 |
| NV | 7 | 18 | 9.0 | 0.0 | 9.0 |
| NY | 14 | 139 | 36.6 | 0.1 | 36.7 |
| OH | 11 | 73 | 195.7 | 3.5 | 199.2 |
| OK | 1 | 11 | 308.5 | 0.0 | 308.5 |
| OR | 2 | 12 | 13.2 | 0.1 | 13.3 |
| PA | 49 | 141 | 34.7 | 0.0 | 34.7 |
| PR | 2 | 1 | 1.7 | 0.0 | 1.7 |
| RI | 0 | 2 | 0.2 | 0.0 | 0.2 |
| SC | 5 | 20 | 102.7 | 0.0 | 102.7 |
| SD | 2 | 5 | 14.1 | 0.1 | 14.2 |
| TN | 25 | 159 | 34.3 | 0.2 | 34.5 |
| TX | 24 | 180 | 282.4 | 27.8 | 310.2 |
| UT | 2 | 13 | 8.7 | 0.3 | 9.0 |
| VA | 4 | 31 | 45.9 | 0.0 | 45.9 |
| VI | 2 | 0 | 0.0 | 0.2 | 0.2 |
| VT | 1 | 0 | 2.0 | 0.0 | 2.0 |
| WA | 5 | 12 | 14.5 | 90.3 | 104.8 |
| WI | 16 | 37 | 60.0 | 40.9 | 100.9 |
| WV | 3 | 5 | 94.4 | 0.0 | 94.4 |
| WY | 1 | 7 | 31.4 | 0.0 | 31.4 |
| TOTAL | 540 | 3089 | \$4,260.7M | \$1,414.6 M | \$5,675.3M |

NOTE: Damage amounts may be slightly different than those indicated on front page due to rounding

2002 Lightning Fatalities

In 2002, there were 51 lightning fatalities, 7 more than in 2001 with 44. This number falls just below the 10-year average of 53 fatalities. For the 5th consecutive year, Florida was hardest hit with 9 fatalities (18%); Alabama had 6 fatalities, and Missouri, 5. Twenty-four of the 51 lightning deaths (47%) occurred outside in the open, and 11 (22%) happened under trees. In 2002, more than 3 times as many men (39) as women (12) were killed by lightning. The 20-49 age group accounted for 50% of the fatalities.

2002 LIGHTNING FATALITIES BY STATE AND LOCATION

| <u>STATE</u> | <u>BF</u> | <u>BO</u> | <u>CA</u> | <u>EQ</u> | <u>GF</u> | <u>IW</u> | <u>OT</u> | <u>OU</u> | <u>TE</u> | <u>UT</u> | <u>TOTAL</u> |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| AL | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 6 |
| AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| FL | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 6 | 0 | 1 | 9 |
| GA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| IL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| LA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| MD | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| MI | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| MO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 5 |
| MS | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| NC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 2 |
| NJ | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| NY | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 2 |
| OH | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| OK | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| PA | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| SC | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 2 |
| TN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| TX | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| UT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| VT | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| WI | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| WY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| TOTAL | 1 | 2 | 4 | 0 | 0 | 1 | 8 | 24 | 0 | 11 | 51 |
| PERCENT | 2 | 4 | 8 | 0 | 0 | 2 | 16 | 47 | 0 | 22 | 101* |

(* Due to rounding total does not equal 100%)

2002 LIGHTNING FATALITIES BY AGE AND GENDER

| | <u>FEMALE</u> | <u>MALE</u> | <u>UNKNOWN</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|-----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 2 | 3 | 0 | 5 | 10 |
| 10 TO 19 | 2 | 3 | 0 | 5 | 10 |
| 20 TO 29 | 3 | 5 | 0 | 8 | 16 |
| 30 TO 39 | 2 | 5 | 0 | 7 | 14 |
| 40 TO 49 | 1 | 9 | 0 | 10 | 20 |
| 50 TO 59 | 1 | 5 | 0 | 6 | 12 |
| 60 TO 69 | 0 | 5 | 0 | 5 | 10 |
| 70 TO 79 | 1 | 1 | 0 | 2 | 4 |
| 80 TO 89 | 0 | 1 | 0 | 1 | 2 |
| 90 TO -- | 0 | 0 | 0 | 0 | 0 |
| UNKNOWN | 0 | 2 | 0 | 2 | 4 |
| TOTAL | 12 | 39 | 0 | 51 | 102* |
| PERCENT | 24 | 76 | 0 | 100 | |

(* Due to rounding total does not equal 100%)

| LEGEND | |
|---------------|--------------------|
| BF | - Ball Field |
| BO | - Boat |
| CA | - Camping |
| EQ | - Nr Hvy Equipment |
| GF | - Golf |
| IW | - In Water |
| OT | - Other/Unknown |
| OU | - Outside Open |
| TE | - At Telephone |
| UT | - Under Tree |

2002 Tornado Fatalities

The National Weather Service recorded 624 tornadoes in 2002. This number is well below the 3-year average of 1,142. The last year the count was low was in 1989 with 856 tornadoes. Tornado fatalities rose to 55 in 2002 from 2001's total of 40. Still tornado deaths have declined in the last 6 years and remains below the 30-year average of 69. Fifty-eight percent of the fatalities occurred in mobile homes, while 15 percent occurred in permanent homes. Male fatalities (29) were higher than female fatalities (26). For both males and females, the 30- to 69-age group seem to suffer the highest number of fatalities with 65 percent.

The Veterans Day Weekend tornado outbreak of November 9-11, 2002, was the second largest on record in November over the eastern United States. Seventy-six tornadoes resulted in 36 fatalities. Tennessee was hardest hit with 17 fatalities. Alabama had 12 of the 13 fatalities from the Veterans Day Weekend event. An F4 tornado struck the town of Van Wert, Ohio, resulting in no fatalities to a cinema complex that took a direct hit. A tornado warning was received prompting the manager to shut off the movies and directing 60 people into safer areas. The walls and roof of one theater were destroyed and three vehicles were thrown into the front row seats.

2002 TORNADO FATALITIES BY STATE AND LOCATION

| <u>STATE</u> | <u>BU</u> | <u>LS</u> | <u>MH</u> | <u>OT</u> | <u>OU</u> | <u>PH</u> | <u>SC</u> | <u>VE</u> | <u>TOTAL</u> |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| AL | 0 | 0 | 10 | 0 | 1 | 2 | 0 | 0 | 13 |
| AR | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| IL | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 1 | 4 |
| KY | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| LA | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| MD | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| MO | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 4 |
| MS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| OH | 0 | 0 | 2 | 0 | 0 | 2 | 0 | 1 | 5 |
| PA | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| TN | 0 | 0 | 10 | 0 | 0 | 5 | 0 | 2 | 17 |
| TX | 0 | 0 | 2 | 0 | 0 | 0 | 1 | 0 | 3 |
| TOTAL | 0 | 0 | 32 | 1 | 2 | 15 | 1 | 4 | 55 |
| PERCENT | 0 | 0 | 58 | 2 | 4 | 27 | 2 | 7 | 100 |

2002 TORNADO FATALITIES BY AGE AND GENDER

| | <u>FEMALE</u> | <u>MALE</u> | <u>UNKNOWN</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|-----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 1 | 0 | 0 | 1 | 2 |
| 10 TO 19 | 2 | 3 | 0 | 5 | 9 |
| 20 TO 29 | 0 | 1 | 0 | 1 | 2 |
| 30 TO 39 | 7 | 1 | 0 | 8 | 15 |
| 40 TO 49 | 2 | 7 | 0 | 9 | 16 |
| 50 TO 59 | 1 | 9 | 0 | 10 | 18 |
| 60 TO 69 | 7 | 2 | 0 | 9 | 16 |
| 70 TO 79 | 4 | 2 | 0 | 6 | 11 |
| 80 TO 89 | 1 | 2 | 0 | 3 | 5 |
| 90 TO -- | 1 | 1 | 0 | 2 | 4 |
| UNKNOWN | 0 | 1 | 0 | 1 | 2 |
| TOTAL | 26 | 29 | 0 | 55 | 100 |
| PERCENT | 47 | 53 | 0 | 100 | |

LEGEND

- BU** - Business
- LS** - Long-Span Roof
- MH** - Mobile Home
- OT** - Other/Unknown
- OU** - Outside Open
- PH** - Permanent Home
- SC** - School
- VE** - Vehicle

2002 Summary of Hazardous Weather Fatalities, Injuries, and Damage Costs Listed by State

| <u>State</u> | <u>Fatalities</u> | <u>Injuries</u> | <u>Property Damage (M)</u> | <u>Crop Damage (M)</u> | <u>Total Damage (M)</u> |
|--------------|-------------------|-----------------|--------------------------------|----------------------------|-----------------------------|
| AK | 7 | 4 | 32.5 | 0.0 | 32.5 |
| AL | 21 | 158 | 36.8 | 0.0 | 36.8 |
| AR | 6 | 28 | 20.3 | 0.1 | 20.4 |
| AZ | 1 | 11 | 73.7 | 0.0 | 73.7 |
| CA | 25 | 362 | 150.8 | 38.0 | 188.8 |
| CO | 7 | 42 | 92.8 | 0.0 | 92.8 |
| CT | 5 | 1 | 2.9 | 0.0 | 2.9 |
| DC | 4 | 6 | 0.6 | 0.0 | 0.6 |
| DE | 1 | 0 | 0.5 | 0.0 | 0.5 |
| FL | 30 | 59 | 43.0 | 0.0 | 43.0 |
| GA | 3 | 38 | 54.4 | 4.7 | 59.1 |
| GU | 55 | 360 | 387.7 | 104.1 | 491.8 |
| HI | 2 | 3 | 2.8 | 0.2 | 3.0 |
| IA | 0 | 4 | 42.3 | 75.1 | 117.4 |
| ID | 8 | 27 | 4.7 | 0.0 | 4.7 |
| IL | 52 | 93 | 43.0 | 53.0 | 96.0 |
| IN | 0 | 153 | 124.5 | 70.2 | 194.7 |
| KS | 2 | 9 | 103.3 | 96.8 | 200.1 |
| KY | 2 | 60 | 102.8 | 74.5 | 177.3 |
| LA | 8 | 24 | 660.3 | 171.7 | 832.0 |
| MA | 0 | 2 | 4.1 | 0.0 | 4.1 |
| MD | 54 | 138 | 129.6 | 0.0 | 129.6 |
| ME | 2 | 3 | 0.8 | 0.0 | 0.8 |
| MI | 7 | 47 | 32.1 | 0.3 | 32.4 |
| MN | 1 | 11 | 239.8 | 38.5 | 278.3 |
| MO | 31 | 405 | 114.9 | 0.5 | 115.4 |
| MS | 7 | 56 | 118.3 | 0.0 | 118.3 |
| MT | 2 | 11 | 6.9 | 0.2 | 7.1 |
| NC | 8 | 29 | 211.7 | 0.0 | 211.7 |
| ND | 0 | 7 | 2.2 | 0.0 | 2.2 |
| NE | 4 | 37 | 110.6 | 522.8 | 633.4 |
| NH | 0 | 7 | 0.9 | 0.0 | 0.9 |
| NJ | 9 | 25 | 11.6 | 0.0 | 11.6 |
| NM | 0 | 3 | 7.5 | 0.4 | 7.9 |
| NV | 7 | 18 | 9.0 | 0.0 | 9.0 |
| NY | 14 | 139 | 36.6 | 0.1 | 36.7 |
| OH | 11 | 73 | 195.7 | 3.5 | 199.2 |
| OK | 1 | 11 | 308.5 | 0.0 | 308.5 |
| OR | 2 | 12 | 13.2 | 0.1 | 13.3 |
| PA | 49 | 141 | 34.7 | 0.0 | 34.7 |
| PR | 2 | 1 | 1.7 | 0.0 | 1.7 |
| RI | 0 | 2 | 0.2 | 0.0 | 0.2 |
| SC | 5 | 20 | 102.7 | 0.0 | 102.7 |
| SD | 2 | 5 | 14.1 | 0.1 | 14.2 |
| TN | 25 | 159 | 34.3 | 0.2 | 34.5 |
| TX | 24 | 180 | 282.4 | 27.8 | 310.2 |
| UT | 2 | 13 | 8.7 | 0.3 | 9.0 |
| VA | 4 | 31 | 45.9 | 0.0 | 45.9 |
| VI | 2 | 0 | 0.0 | 0.2 | 0.2 |
| VT | 1 | 0 | 2.0 | 0.0 | 2.0 |
| WA | 5 | 12 | 14.5 | 90.3 | 104.8 |
| WI | 16 | 37 | 60.0 | 40.9 | 100.9 |
| WV | 3 | 5 | 94.4 | 0.0 | 94.4 |
| WY | 1 | 7 | 31.4 | 0.0 | 31.4 |
| TOTAL | 540 | 3089 | \$4,260.7M | \$1,414.6 M | \$5,675.3M |

NOTE: Damage amounts may be slightly different than those indicated on front page due to rounding

2002 Heat Related Fatalities

For the fifth year, heat ranked as the most deadly weather hazard, claiming 167 lives—one more than in 2001. The 10-year average for heat deaths is 235, compared to 86 for floods. In 2002, 78% of the fatalities occurred in permanent homes. Maryland (50), Pennsylvania (42), and Illinois (40) accounted for 79% of the fatalities. The elderly are more susceptible to heat stress and heat stroke. The 70- to 79-age group had the greatest number of fatalities with 35. Almost twice as many males as females died from the heat.

2002 HEAT RELATED FATALITIES BY STATE AND LOCATION

| STATE | BF | CA | GF | MH | OT | OU | PH | VE | TOTAL |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|-----------|--------------|
| AR | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| CA | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 6 |
| CT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| IL | 0 | 0 | 0 | 0 | 1 | 2 | 37 | 0 | 40 |
| LA | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 |
| MD | 0 | 0 | 0 | 0 | 9 | 5 | 36 | 0 | 50 |
| MI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| MO | 0 | 0 | 0 | 0 | 0 | 4 | 13 | 0 | 17 |
| NJ | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 |
| PA | 0 | 0 | 0 | 0 | 0 | 4 | 37 | 1 | 42 |
| TX | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| WI | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 3 |
| TOTAL | 0 | 0 | 0 | 0 | 10 | 22 | 131 | 4 | 167 |
| PERCENT | 0 | 0 | 0 | 0 | 6 | 13 | 78 | 2 | 99* |

(* Due to rounding total does not equal 100%)

2002 HEAT RELATED FATALITIES BY AGE AND GENDER

| | FEMALE | MALE | UNKNOWN | TOTAL | PERCENT |
|-----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 4 | 3 | 0 | 7 | 4 |
| 10 TO 19 | 0 | 1 | 0 | 1 | 1 |
| 20 TO 29 | 0 | 3 | 0 | 3 | 2 |
| 30 TO 39 | 3 | 11 | 0 | 14 | 8 |
| 40 TO 49 | 6 | 17 | 0 | 23 | 14 |
| 50 TO 59 | 5 | 26 | 0 | 31 | 19 |
| 60 TO 69 | 10 | 12 | 0 | 22 | 13 |
| 70 TO 79 | 17 | 18 | 0 | 35 | 21 |
| 80 TO 89 | 12 | 12 | 0 | 24 | 14 |
| 90 TO -- | 2 | 4 | 0 | 6 | 4 |
| UNKNOWN | 0 | 1 | 0 | 1 | 1 |
| TOTAL | 59 | 108 | 0 | 167 | 101* |
| PERCENT | 35 | 65 | 0 | 100 | |

(* Due to rounding total does not equal 100%)

LEGEND

- BF** - Ball Field
- CA** - Camping
- GF** - Golf
- MH** - Mobile Home
- OT** - Other/Unknown
- OU** - Outside Open
- PH** - Permanent Home
- VE** - Vehicle

2002 Flash Flood / River Flood Related Fatalities

In 2002, flooding (flash floods, river floods, and urban/small stream floods) caused 49 fatalities. This is one more than in 2001 and significantly lower than the 10-year average of 86 deaths. Of the 49 fatalities, 28 were in vehicles and 11 were directly in water. Texas suffered the highest number of fatalities with 14. Flash floods caused 38 deaths and river floods caused 11. The 10- to 49-age group suffered 70% of the fatalities. Twenty-nine (59%) of the flooding victims were male and 20 (41%) were female.

2002 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE AND LOCATION

| STATE | BO | BU | CA | IW | MH | OT | PH | VE | TOTAL |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| AK | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| AR | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 |
| CA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| GU | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 |
| IL | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 2 |
| KY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| MO | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 4 | 5 |
| MS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 |
| NC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| NV | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| OH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| TN | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 4 |
| TX | 1 | 0 | 0 | 2 | 1 | 1 | 0 | 9 | 14 |
| VA | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 3 |
| WV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| TOTAL | 1 | 0 | 0 | 11 | 1 | 8 | 0 | 28 | 49 |
| PERCENT | 2 | 0 | 0 | 22 | 2 | 16 | 0 | 57 | 99* |

(* Due to rounding total does not equal 100%)

2002 FLASH FLOOD / RIVER FLOOD FATALITIES BY AGE AND GENDER

| | FEMALE | MALE | UNKNOWN | TOTAL | PERCENT |
|----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 2 | 2 | 0 | 4 | 8 |
| 10 TO 19 | 5 | 3 | 0 | 8 | 16 |
| 20 TO 29 | 4 | 6 | 0 | 10 | 20 |
| 30 TO 39 | 2 | 4 | 0 | 6 | 12 |
| 40 TO 49 | 3 | 8 | 0 | 11 | 22 |
| 50 TO 59 | 2 | 1 | 0 | 3 | 6 |
| 60 TO 69 | 1 | 2 | 0 | 3 | 6 |
| 70 TO 79 | 1 | 2 | 0 | 3 | 6 |
| 80 TO 89 | 0 | 1 | 0 | 1 | 2 |
| 90 TO -- | 0 | 0 | 0 | 0 | 0 |
| UNKNOWN | 0 | 0 | 0 | 0 | 0 |
| TOTAL | 20 | 29 | 0 | 49 | 98* |
| PERCENT | 41 | 59 | 0 | 100 | |

(* Due to rounding total does not equal 100%)

LEGEND

| |
|----------------------------|
| BO - Boat |
| BU - Business |
| CA - Camping |
| IW - In Water |
| MH - Mobile Home |
| OT - Other/Unknown |
| PH - Permanent Home |
| VE - Vehicle |

2002 Flash Flood / River Flood Related Fatalities (Continued)

2002 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE

| <u>STATE</u> | <u>FLASH FLOOD</u> | <u>RIVER FLOOD</u> | <u>TOTAL</u> |
|----------------|--------------------|--------------------|--------------|
| AK | 3 | 0 | 3 |
| AR | 2 | 0 | 2 |
| CA | 0 | 3 | 3 |
| GU | 3 | 0 | 3 |
| IL | 1 | 1 | 2 |
| KY | 0 | 1 | 1 |
| MO | 3 | 2 | 5 |
| MS | 3 | 0 | 3 |
| NC | 1 | 0 | 1 |
| NE | 1 | 0 | 1 |
| NV | 1 | 0 | 1 |
| OH | 0 | 1 | 1 |
| TN | 3 | 1 | 4 |
| TX | 12 | 2 | 14 |
| VA | 3 | 0 | 3 |
| WV | 2 | 0 | 2 |
| TOTAL | 38 | 11 | 49 |
| PERCENT | 78 | 22 | 100 |

2002 FLASH FLOOD / RIVER FLOOD FATALITIES BY GENDER

| | <u>FLASH FLOOD</u> | <u>RIVER FLOOD</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|----------------|--------------------|--------------------|--------------|----------------|
| FEMALE | 17 | 3 | 20 | 41 |
| MALE | 21 | 8 | 29 | 59 |
| UNKNOWN | 0 | 0 | 0 | 0 |
| TOTAL | 38 | 11 | 49 | |
| PERCENT | 78 | 22 | 100 | |

2002 Cold Related Fatalities

In 2002, 11 people died from hypothermia, compared to 4 in 2001. The 10-year average for cold related fatalities is 26. Michigan suffered the most deaths with 3. Ten of the eleven fatalities occurred outside in the open. Almost twice as many males as females died from the cold.

2002 COLD RELATED FATALITIES BY STATE AND LOCATION

| <u>STATE</u> | <u>IW</u> | <u>MH</u> | <u>OT</u> | <u>OU</u> | <u>PH</u> | <u>VE</u> | <u>TOTAL</u> |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| CA | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| DC | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| MI | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| NC | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| PA | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| SC | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| TX | 0 | 0 | 0 | 2 | 0 | 0 | 2 |
| TOTAL | 0 | 0 | 1 | 10 | 0 | 0 | 11 |
| PERCENT | 0 | 0 | 9 | 91 | 0 | 0 | 100 |

2002 COLD RELATED FATALITIES BY AGE AND GENDER

| | <u>FEMALE</u> | <u>MALE</u> | <u>UNKNOWN</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 0 | 0 | 0 | 0 | 0 |
| 10 TO 19 | 0 | 0 | 0 | 0 | 0 |
| 20 TO 29 | 0 | 0 | 0 | 0 | 0 |
| 30 TO 39 | 0 | 0 | 0 | 0 | 0 |
| 40 TO 49 | 0 | 1 | 0 | 1 | 9 |
| 50 TO 59 | 0 | 1 | 0 | 1 | 9 |
| 60 TO 69 | 0 | 1 | 0 | 1 | 9 |
| 70 TO 79 | 1 | 1 | 0 | 2 | 18 |
| 80 TO 89 | 2 | 0 | 0 | 2 | 18 |
| 90 TO -- | 0 | 0 | 0 | 0 | 0 |
| UNKNOWN | 1 | 3 | 0 | 4 | 36 |
| TOTAL | 4 | 7 | 0 | 11 | 99* |
| PERCENT | 36 | 64 | 0 | 100 | |

(* Due to rounding total does not equal 100%)

LEGEND

- IW** - In Water
- MH** - Mobile Home
- OT** - Other/Unknown
- OU** - Outside Open
- PH** - Permanent Home
- VE** - Vehicle

2002 Winter Weather Related Fatalities

In 2002, there were 17 winter weather deaths. The last 5 years shows a continuing downward trend from 1997's 90 deaths. This total is significantly lower than the 10-year average of 47. Idaho suffered the highest number of fatalities with 5, and 11 of the 17 deaths occurred in vehicles. The winter weather fatalities were spread throughout the age groups and males made up 59% of the deaths. There were no ice related deaths again in 2002 but avalanches claimed 15 victims as also reported for 2001.

2002 WINTER STORM FATALITIES BY STATE AND LOCATION

| <u>STATE</u> | <u>LS</u> | <u>MH</u> | <u>OT</u> | <u>OU</u> | <u>PH</u> | <u>VE</u> | <u>TOTAL</u> |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| AR | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| AZ | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| ID | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| KS | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| ME | 0 | 0 | 0 | 1 | 0 | 0 | 1 |
| MN | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| NV | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| SD | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| WA | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| TOTAL | 0 | 0 | 0 | 6 | 0 | 11 | 17 |
| PERCENT | 0 | 0 | 0 | 35 | 0 | 65 | 100 |

2002 WINTER STORM FATALITIES BY AGE AND GENDER

| | <u>FEMALE</u> | <u>MALE</u> | <u>UNKNOWN</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 0 | 1 | 0 | 1 | 6 |
| 10 TO 19 | 1 | 1 | 0 | 2 | 12 |
| 20 TO 29 | 2 | 2 | 0 | 4 | 24 |
| 30 TO 39 | 1 | 1 | 0 | 2 | 12 |
| 40 TO 49 | 3 | 1 | 0 | 4 | 24 |
| 50 TO 59 | 0 | 2 | 0 | 2 | 12 |
| 60 TO 69 | 0 | 0 | 0 | 0 | 0 |
| 70 TO 79 | 0 | 1 | 0 | 1 | 6 |
| 80 TO 89 | 0 | 0 | 0 | 0 | 0 |
| 90 TO -- | 0 | 0 | 0 | 0 | 0 |
| UNKNOWN | 0 | 1 | 0 | 1 | 6 |
| TOTAL | 7 | 10 | 0 | 17 | 102* |
| PERCENT | 41 | 59 | 0 | 100 | |

(* Due to rounding total does not equal 100%)

LEGEND

- LS - Long-Span Roof
- MH - Mobile Home
- OT - Other/Unknown
- OU - Outside Open
- PH - Permanent Home
- VE - Vehicle

2002 Wind Related Fatalities

Wind related fatalities totaled 45 in 2002; higher than 2001's total of 31. Many of the deaths (22) occurred when trees or telephone poles fell onto moving vehicles, killing either the driver or occupants. Thunderstorm winds accounted for 38% of the deaths, whereas high winds accounted for 62% of the deaths. Illinois and Ohio suffered the most fatalities with 5 and 4, respectively. Almost three times as many males as females died from thunderstorm and high winds. All age groups were vulnerable to both thunderstorm and high winds.

2002 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY STATE AND LOCATION

| <u>STATE</u> | <u>BO</u> | <u>CA</u> | <u>LS</u> | <u>MH</u> | <u>OT</u> | <u>OU</u> | <u>PH</u> | <u>SC</u> | <u>VE</u> | <u>TOTAL</u> |
|----------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------------|
| CA | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 3 |
| CT | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| DC | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| FL | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| GA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| HI | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| IL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 |
| KS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| LA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| ME | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| MT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| NC | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| NE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| NJ | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 0 | 3 |
| NV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |
| NY | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| OH | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 | 4 |
| OR | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| PA | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| SC | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 2 |
| TX | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| VA | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| WI | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| WV | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| TOTAL | 3 | 1 | 1 | 2 | 11 | 3 | 0 | 2 | 22 | 45 |
| PERCENT | 7 | 2 | 2 | 4 | 24 | 7 | 0 | 4 | 49 | 99 * |

(* Due to rounding total does not equal 100%)

2002 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY AGE AND GENDER

| | <u>FEMALE</u> | <u>MALE</u> | <u>UNKNOWN</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|----------------|---------------|-------------|----------------|--------------|----------------|
| 0 TO 9 | 1 | 0 | 0 | 1 | 2 |
| 10 TO 19 | 0 | 1 | 0 | 1 | 2 |
| 20 TO 29 | 6 | 1 | 0 | 7 | 16 |
| 30 TO 39 | 1 | 7 | 0 | 8 | 18 |
| 40 TO 49 | 1 | 5 | 0 | 6 | 13 |
| 50 TO 59 | 1 | 6 | 0 | 7 | 16 |
| 60 TO 69 | 0 | 5 | 0 | 5 | 11 |
| 70 TO 79 | 1 | 1 | 0 | 2 | 4 |
| 80 TO 89 | 1 | 1 | 0 | 2 | 4 |
| 90 TO -- | 0 | 0 | 0 | 0 | 0 |
| UNKNOWN | 1 | 5 | 0 | 6 | 13 |
| TOTAL | 13 | 32 | 0 | 45 | 99* |
| PERCENT | 29 | 71 | 0 | 100 | |

(* Due to rounding total does not equal 100%)

LEGEND

- BO** - Boat
- CA** - Camping
- LS** - Long-Span Roof
- MH** - Mobile Home
- OT** - Other/Unknown
- OU** - Outside Open
- PH** - Permanent Home
- SC** - School
- VE** - Vehicle

2002 Wind Related Fatalities (Continued)

2002 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY STATE

| <u>STATE</u> | <u>TSTM WIND</u> | <u>HIGH WIND</u> | <u>TOTAL</u> |
|----------------|------------------|------------------|--------------|
| CA | 0 | 3 | 3 |
| CT | 0 | 2 | 2 |
| DC | 2 | 0 | 2 |
| FL | 1 | 0 | 1 |
| GA | 1 | 0 | 1 |
| HI | 0 | 1 | 1 |
| IL | 1 | 4 | 5 |
| KS | 1 | 0 | 1 |
| LA | 1 | 0 | 1 |
| ME | 0 | 1 | 1 |
| MT | 0 | 2 | 2 |
| NC | 0 | 1 | 1 |
| NE | 0 | 1 | 1 |
| NJ | 0 | 3 | 3 |
| NV | 0 | 2 | 2 |
| NY | 1 | 1 | 2 |
| OH | 1 | 3 | 4 |
| OR | 0 | 2 | 2 |
| PA | 2 | 1 | 3 |
| SC | 1 | 1 | 2 |
| TX | 2 | 0 | 2 |
| VA | 1 | 0 | 1 |
| WI | 1 | 0 | 1 |
| WV | 1 | 0 | 1 |
| TOTAL | 17 | 28 | 45 |
| PERCENT | 38 | 62 | 100 |

2002 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY GENDER

| | <u>TSTM WIND</u> | <u>HIGH WIND</u> | <u>TOTAL</u> | <u>PERCENT</u> |
|----------------|------------------|------------------|--------------|----------------|
| FEMALE | 6 | 7 | 13 | 29 |
| MALE | 11 | 21 | 32 | 71 |
| UNKNOWN | 0 | 0 | 0 | 0 |
| TOTAL | 17 | 28 | 45 | 100 |
| PERCENT | 38 | 62 | 100 | |

TORNADO SUMMARY BY STATE AND NATION, 2002

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALABAMA | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 6 | 3 | 17 | 8 | 37 |
| DAYS | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 0 | 5 | 3 | 2 | 3 | 16 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 13 | 0 | 13 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 123 | 8 | 131 |
| ARKANSAS | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 30 | 35 |
| DAYS | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 | 1 | 1 | 6 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| INJURIES | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 17 |
| CALIFORNIA | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 |
| DAYS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 0 | 1 | 5 | 2 | 15 | 2 | 0 | 0 | 0 | 25 |
| DAYS | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 5 | 0 | 0 | 0 | 0 | 12 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| CONNECTICUT | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| DAYS | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FLORIDA | | | | | | | | | | | | | |
| NUMBER | 1 | 0 | 0 | 1 | 4 | 8 | 10 | 3 | 6 | 2 | 4 | 4 | 43 |
| DAYS | 1 | 0 | 0 | 1 | 4 | 7 | 8 | 3 | 1 | 2 | 2 | 3 | 32 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 2 |
| GEORGIA | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 8 | 12 | 24 |
| DAYS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 2 | 5 | 1 | 10 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 2 | 19 |
| GUAM | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| DAYS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| HAWAII | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| DAYS | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IDAHO | | | | | | | | | | | | | |
| NUMBER | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| DAYS | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 3 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ILLINOIS | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 10 | 17 | 8 | 0 | 0 | 0 | 0 | 2 | 0 | 37 |
| DAYS | 0 | 0 | 0 | 6 | 3 | 3 | 0 | 0 | 0 | 1 | 1 | 0 | 15 |
| DEATHS | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 |
| INJURIES | 0 | 0 | 0 | 63 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 |
| INDIANA | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 2 | 6 | 0 | 3 | 0 | 15 |
| DAYS | 0 | 0 | 0 | 2 | 0 | 1 | 1 | 2 | 1 | 0 | 1 | 0 | 8 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 0 | 130 | 0 | 3 | 0 | 145 |
| IOWA | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 11 | 4 | 10 | 2 | 4 | 0 | 0 | 0 | 0 | 31 |
| DAYS | 0 | 0 | 0 | 3 | 1 | 5 | 1 | 3 | 0 | 0 | 0 | 0 | 13 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KANSAS | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 4 | 62 | 18 | 1 | 8 | 0 | 0 | 0 | 2 | 95 |
| DAYS | 0 | 0 | 0 | 3 | 6 | 5 | 1 | 3 | 0 | 0 | 0 | 1 | 19 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |

* CORRECTED FOR BOUNDARY-CROSSING TORNADOES.
& TORNADO DAYS FOR COUNTRY AS A WHOLE.

TORNADO SUMMARY BY STATE AND NATION, 2002

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--|------------------|------------------|--------------------|-------------------|------------------|------------------|------------------|-------------------|-------------------|-------------------|------------------|---------------------|---------------------|
| KENTUCKY NUMBER DAYS DEATHS INJURIES | 1 1 0 0 | 0 0 0 0 | 1 1 0 0 | 8 1 1 33 | 1 1 0 0 | 0 0 0 0 | 1 1 0 0 | 0 1 0 0 | 0 1 0 0 | 1 1 0 0 | 3 1 0 0 | 0 0 0 0 | 16 7 11 33 |
| LOUISIANA NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 2 2 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 | 1 1 0 0 | 23 4 2 5 | 2 2 0 2 | 4 3 0 1 | 33 13 2 8 |
| MAINE NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 | 0 0 0 0 | 2 2 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 3 3 0 0 |
| MARYLAND NUMBER DAYS DEATHS INJURIES | 1 1 0 0 | 0 0 0 0 | 0 1 3 122 | 5 3 0 0 | 7 1 0 0 | 1 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 14 6 3 122 |
| MASSACHUSETTS NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 |
| MICHIGAN NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 1 0 0 | 1 1 0 0 | 0 2 2 0 | 2 2 0 0 | 6 2 0 1 | 3 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 12 6 0 1 |
| MINNESOTA NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 2 0 0 | 6 4 0 1 | 9 4 0 0 | 7 6 0 0 | 10 4 0 0 | 2 2 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 34 18 0 1 |
| MISSISSIPPI NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 1 1 0 0 | 2 2 0 0 | 2 1 0 0 | 1 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 10 2 0 0 | 7 2 0 0 | 6 3 0 1 | 29 12 1 56 | |
| MISSOURI NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 4 1 35 | 11 2 0 0 | 3 2 0 0 | 0 0 0 0 | 2 1 0 0 | 2 1 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 | 9 2 3 26 | 28 11 4 61 |
| MONTANA NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 2 2 0 0 | 6 1 0 0 | 3 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 11 4 0 0 |
| NEBRASKA NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 2 1 0 0 | 8 2 0 0 | 3 2 0 0 | 7 3 0 0 | 7 3 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 27 11 0 0 |
| NEVADA NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 |
| NEW MEXICO NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 1 1 0 0 | 0 0 0 0 | 1 1 0 0 | 1 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 3 3 0 0 |
| NEW YORK NUMBER DAYS DEATHS INJURIES | 0 0 0 0 | 0 0 0 0 | 0 1 0 0 | 2 1 0 0 | 7 1 0 0 | 3 2 0 0 | 1 1 0 0 | 1 1 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 0 0 0 0 | 14 6 0 8 |

* CORRECTED FOR BOUNDARY-CROSSING TORNADOES.
& TORNADO DAYS FOR COUNTRY AS A WHOLE.

TORNADO SUMMARY BY STATE AND NATION, 2002

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| NORTH CAROLINA | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 7 | 0 | 0 | 11 |
| NUMBER | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 5 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NORTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 5 | 0 | 0 | 0 | 0 | 17 |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 4 | 0 | 0 | 0 | 0 | 10 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OHIO | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 2 | 0 | 18 | 0 | 24 |
| NUMBER | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 6 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 5 |
| INJURIES | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 0 | 25 | 0 | 30 |
| OKLAHOMA | 0 | 0 | 0 | 7 | 7 | 2 | 0 | 0 | 2 | 0 | 0 | 0 | 18 |
| NUMBER | 0 | 0 | 0 | 4 | 4 | 2 | 0 | 0 | 1 | 0 | 0 | 0 | 11 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| OREGON | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 0 | 2 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PENNSYLVANIA | 0 | 0 | 0 | 8 | 1 | 2 | 3 | 0 | 0 | 0 | 2 | 0 | 16 |
| NUMBER | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 0 | 0 | 0 | 1 | 0 | 8 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 |
| INJURIES | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 19 | 0 | 21 |
| SOUTH CAROLINA | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 1 | 1 | 6 | 0 | 12 |
| NUMBER | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 1 | 1 | 1 | 0 | 5 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 2 | 0 | 10 |
| SOUTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 6 | 4 | 2 | 0 | 0 | 0 | 0 | 12 |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 5 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TENNESSEE | 0 | 0 | 0 | 6 | 1 | 0 | 0 | 0 | 0 | 0 | 23 | 0 | 30 |
| NUMBER | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 5 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 | 0 | 17 |
| INJURIES | 0 | 0 | 0 | 31 | 0 | 0 | 0 | 0 | 0 | 0 | 86 | 0 | 117 |
| TEXAS | 0 | 0 | 39 | 25 | 58 | 4 | 1 | 4 | 13 | 7 | 0 | 22 | 173 |
| NUMBER | 0 | 0 | 3 | 4 | 13 | 2 | 1 | 4 | 5 | 3 | 0 | 2 | 37 |
| DEATHS | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 3 | 1 | 0 | 0 | 3 |
| INJURIES | 0 | 0 | 36 | 0 | 4 | 0 | 0 | 0 | 26 | 0 | 0 | 3 | 72 |
| UTAH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 4 |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VERMONT | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRGINIA | 0 | 0 | 0 | 4 | 2 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 |
| NUMBER | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 17 |
| WEST VIRGINIA | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| NUMBER | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

* CORRECTED FOR BOUNDARY-CROSSING TORNADOES.
& TORNADO DAYS FOR COUNTRY AS A WHOLE.

TORNADO SUMMARY BY STATE AND NATION, 2002

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|-----|-----|------|
| WISCONSIN | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 6 | 3 | 1 | 4 | 2 | 10 | 0 | 0 | 0 | 26 |
| DAYS | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 9 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 28 | 0 | 0 | 0 | 30 |
| WYOMING | | | | | | | | | | | | | |
| NUMBER | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 8 |
| DAYS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 0 | 0 | 0 | 4 |
| DEATHS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| INJURIES | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| UNITED STATES | | | | | | | | | | | | | |
| NUMBER | 3 | 2 | 47 | 118* | 206* | 97 | 68 | 86 | 62 | 56 | 99* | 99* | 934* |
| DAYS | 3 | 2 | 8 | 14 | 25 | 25 | 24 | 21 | 19 | 14 | 6 | 9 | 170 |
| DEATHS | 0 | 0 | 0 | 7 | 4 | 0 | 0 | 0 | 0 | 3 | 37 | 4 | 55 |
| INJURIES | 0 | 0 | 36 | 318 | 19 | 3 | 0 | 2 | 162 | 39 | 332 | 57 | 968 |

* CORRECTED FOR BOUNDARY-CROSSING TORNADOES.
& TORNADO DAYS FOR COUNTRY AS A WHOLE.

TORNADOES, TORNADO DAYS AND DEATHS BY STATE AND NATION 1953-2002

| STATE | TORNADOES | | | | | | | DAYS | | DEATHS | | |
|----------------------|-----------|---------|----------|-------|-------|-------|----------------------------|-------|---------|--------|---------|-----------------------------|
| | TOTAL | AVERAGE | GREATEST | YEAR | LEAST | YEAR | PER # 10,000 SQ. MI. | TOTAL | AVERAGE | TOTAL | AVERAGE | PER '# 10,000 SQ. MI. |
| ALABAMA | 1091 | 22 | 57 | 1998 | 5 | 1956 | 4.26 | 546 | 11 | 328 | 6 | 64 |
| ALASKA | 1 | 0 | 1 | 1959 | 0 | 1989+ | .00 | 1 | 0 | 0 | 0 | 0 |
| ARIZONA | 179 | 3 | 17 | 1972 | 0 | 1965+ | .27 | 142 | 2 | 3 | 0 | 0 |
| ARKANSAS | 1131 | 23 | 140 | 1999 | 2 | 1987+ | 4.33 | 469 | 9 | 214 | 4 | 40 |
| CALIFORNIA | 294 | 6 | 25 | 1998 | 0 | 1968+ | .38 | 211 | 4 | 0 | 0 | 0 |
| COLORADO | 1432 | 29 | 98 | 1996 | 1 | 1959 | 2.78 | 722 | 15 | 2 | 0 | 0 |
| CONNECTICUT | 65 | 1 | 8 | 1973 | 0 | 1988+ | 2.00 | 56 | 1 | 4 | 0 | 8 |
| DELAWARE | 55 | 1 | 6 | 1992 | 0 | 1987+ | 4.86 | 44 | 0 | 2 | 0 | 10 |
| DISTRICT OF COLUMBIA | 1 | 0 | 1 | 1995 | 0 | 0+ | .00 | 1 | 0 | 0 | 0 | 0 |
| FLORIDA | 2513 | 52 | 115 | 1997+ | 10 | 1956 | 8.88 | 1541 | 32 | 128 | 2 | 22 |
| GEORGIA | 1018 | 21 | 52 | 1994 | 2 | 1987 | 3.57 | 531 | 11 | 147 | 3 | 25 |
| HAWAII | 27 | 0 | 4 | 1971 | 0 | 1987+ | .00 | 23 | 0 | 0 | 0 | 0 |
| IDAHO | 154 | 3 | 13 | 2000 | 0 | 1977+ | .36 | 122 | 2 | 0 | 0 | 0 |
| ILLINOIS | 1524 | 31 | 107 | 1974 | 4 | 1953 | 5.50 | 614 | 12 | 181 | 3 | 32 |
| INDIANA | 1002 | 20 | 49 | 1990 | 4 | 1984 | 5.51 | 458 | 9 | 221 | 4 | 61 |
| IOWA | 1643 | 34 | 78 | 1998 | 7 | 1956 | 6.04 | 676 | 14 | 63 | 1 | 11 |
| KANSAS | 2386 | 49 | 116 | 1991 | 14 | 1976 | 5.96 | 965 | 20 | 196 | 4 | 24 |
| KENTUCKY | 506 | 10 | 39 | 1997 | 0 | 1953 | 2.48 | 264 | 5 | 110 | 2 | 27 |
| LOUISIANA | 1276 | 26 | 79 | 1992 | 3 | 1985 | 5.36 | 689 | 14 | 111 | 2 | 23 |
| MAINE | 90 | 1 | 11 | 1971 | 0 | 1987+ | .30 | 80 | 1 | 1 | 0 | 0 |
| MARYLAND | 212 | 4 | 24 | 1995 | 0 | 1988+ | 3.78 | 126 | 2 | 2 | 0 | 2 |
| MASSACHUSETTS | 140 | 2 | 12 | 1958 | 0 | 1988+ | 2.42 | 99 | 2 | 102 | 2 | 124 |
| MICHIGAN | 786 | 16 | 39 | 1974 | 2 | 1959 | 2.75 | 443 | 9 | 238 | 4 | 41 |
| MINNESOTA | 1069 | 22 | 65 | 1998 | 5 | 1988+ | 2.62 | 521 | 10 | 86 | 1 | 10 |
| MISSISSIPPI | 1202 | 25 | 62 | 1988 | 1 | 1979 | 5.24 | 566 | 11 | 371 | 7 | 78 |
| MISSOURI | 1319 | 27 | 79 | 1973 | 6 | 1987+ | 3.88 | 570 | 11 | 137 | 2 | 20 |
| MONTANA | 309 | 6 | 30 | 1991 | 0 | 1974+ | .41 | 209 | 4 | 1 | 0 | 0 |
| NEBRASKA | 1999 | 41 | 106 | 1999 | 10 | 1966 | 5.31 | 846 | 17 | 51 | 1 | 7 |
| NEVADA | 63 | 1 | 8 | 1987+ | 0 | 1985+ | .09 | 57 | 1 | 0 | 0 | 0 |
| NEW HAMPSHIRE | 80 | 1 | 9 | 1963 | 0 | 1987+ | 1.07 | 68 | 1 | 0 | 0 | 0 |
| NEW JERSEY | 123 | 2 | 17 | 1989 | 0 | 1984+ | 2.55 | 93 | 1 | 0 | 0 | 0 |
| NEW MEXICO | 442 | 9 | 31 | 1991 | 0 | 1953 | .74 | 317 | 6 | 3 | 0 | 0 |
| NEW YORK | 297 | 6 | 25 | 1992 | 0 | 1953 | 1.21 | 192 | 4 | 21 | 0 | 4 |
| NORTH CAROLINA | 789 | 16 | 66 | 1998 | 2 | 1970 | 3.04 | 413 | 8 | 85 | 1 | 16 |
| NORTH DAKOTA | 975 | 20 | 65 | 1999 | 2 | 1961 | 2.83 | 488 | 10 | 22 | 0 | 3 |
| OHIO | 744 | 15 | 61 | 1992 | 0 | 1988 | 3.64 | 374 | 7 | 177 | 3 | 43 |
| OKLAHOMA | 2706 | 56 | 171 | 1999 | 17 | 1988 | 8.01 | 992 | 20 | 255 | 5 | 36 |
| OREGON | 75 | 1 | 14 | 1997 | 0 | 1988+ | .10 | 65 | 1 | 0 | 0 | 0 |
| PENNSYLVANIA | 557 | 11 | 62 | 1998 | 0 | 1959 | 2.43 | 311 | 6 | 81 | 1 | 18 |
| PUERTO RICO | 12 | 0 | 2 | 1979+ | 0 | 1989+ | .00 | 11 | 0 | 0 | 0 | 0 |
| RHODE ISLAND | 9 | 0 | 3 | 1986 | 0 | 1988+ | .00 | 8 | 0 | 0 | 0 | 0 |
| SOUTH CAROLINA | 596 | 12 | 54 | 1995 | 1 | 1986+ | 3.86 | 340 | 7 | 50 | 1 | 16 |
| SOUTH DAKOTA | 1310 | 27 | 85 | 1993 | 1 | 1958 | 3.50 | 585 | 12 | 15 | 0 | 2 |
| TENNESSEE | 656 | 13 | 44 | 1974 | 1 | 1987+ | 3.08 | 318 | 6 | 117 | 2 | 28 |
| TEXAS | 6452 | 134 | 232 | 1967+ | 32 | 1953 | 5.01 | 2355 | 49 | 499 | 10 | 19 |
| UTAH | 94 | 1 | 7 | 1998 | 0 | 1989+ | .12 | 81 | 1 | 1 | 0 | 0 |
| VERMONT | 33 | 0 | 5 | 1962 | 0 | 1985+ | .00 | 30 | 0 | 0 | 0 | 0 |
| VIRGINIA | 355 | 7 | 28 | 1993 | 1 | 1982+ | 1.72 | 217 | 4 | 25 | 0 | 6 |
| VIRGIN ISLANDS | 2 | 0 | 1 | 1979+ | 0 | 1989+ | .00 | 2 | 0 | 0 | 0 | 0 |
| WASHINGTON | 75 | 1 | 14 | 1997 | 0 | 1988+ | .15 | 63 | 1 | 6 | 0 | 1 |
| WEST VIRGINIA | 107 | 2 | 17 | 1998 | 0 | 1988+ | .83 | 77 | 1 | 2 | 0 | 1 |
| WISCONSIN | 927 | 19 | 43 | 1980 | 3 | 1953 | 3.44 | 469 | 9 | 82 | 1 | 15 |
| WYOMING | 513 | 10 | 42 | 1977 | 0 | 1970 | 1.02 | 339 | 7 | 2 | 0 | 0 |
| PACIFIC ISLANDS | 2 | 0 | 1 | 1981+ | 0 | 1989+ | .00 | 2 | 0 | 0 | 0 | 0 |
| UNITED STATES | 41183* | 857 | 1525 | 1998 | 421 | 1953 | 2.37 | 8369& | 174 | 4142 | 86 | 11 |

+ ALSO IN EARLIER YEAR(S).

* CORRECTED FOR BOUNDARY-CROSSING TORNADOES.

& TORNADO DAYS FOR COUNTRY AS A WHOLE.

MEAN ANNUAL TORNADOES PER

10,000 SQUARE MILES.

' NUMBER OF DEATHS PER

10,000 SQUARE MILES.

NATIONAL TORNADOES, TORNADO DAYS, DEATHS AND RESULTING LOSSES BY YEARS, 1916 - 2002

| YEAR | NUMBER TORNADOES | TORNADO DAYS | TOTAL DEATHS | MOST DEATHS IN SINGLE TORNADO | TOTAL PROPERTY LOSSES \$ | PROPERTY LOSS FREQUENCY * | | |
|------|---------------------|-----------------|-----------------|-------------------------------------|--------------------------------|---------------------------|---------------|------------------------|
| | | | | | | CATEGORY 5 | CATEGORY 6 | CATEGORY 7 AND OVER |
| 1916 | 90 | 36 | 150 | 30 | 6 | 7 | 1 | 0 |
| 1917 | 121 | 38 | 551 | 101 | 7 | 21 | 9 | 0 |
| 1918 | 81 | 45 | 136 | 36 | 7 | 20 | 5 | 0 |
| 1919 | 64 | 35 | 206 | 59 | 7 | 10 | 2 | 0 |
| 1920 | 87 | 50 | 499 | 87 | 7 | 14 | 3 | 0 |
| 1921 | 105 | 55 | 202 | 61 | 7 | 22 | 5 | 0 |
| 1922 | 108 | 64 | 135 | 16 | 7 | 27 | 1 | 0 |
| 1923 | 102 | 59 | 110 | 23 | 6 | 21 | 1 | 0 |
| 1924 | 130 | 57 | 376 | 85 | 7 | 26 | 11 | 1 |
| 1925 | 119 | 65 | 794 | 689 | 7 | 34 | 2 | 1 |
| 1926 | 111 | 57 | 144 | 23 | 6 | 28 | 0 | 0 |
| 1927 | 163 | 62 | 540 | 92 | 7 | 42 | 9 | 1 |
| 1928 | 203 | 79 | 95 | 14 | 7 | 40 | 7 | 0 |
| 1929 | 197 | 74 | 274 | 40 | 7 | 48 | 4 | 0 |
| 1930 | 192 | 72 | 179 | 41 | 7 | 38 | 6 | 0 |
| 1931 | 94 | 57 | 36 | 6 | 6 | 14 | 1 | 0 |
| 1932 | 151 | 67 | 394 | 37 | 7 | 23 | 1 | 1 |
| 1933 | 258 | 96 | 362 | 34 | 7 | 46 | 9 | 0 |
| 1934 | 147 | 77 | 47 | 6 | 6 | 10 | 3 | 0 |
| 1935 | 180 | 77 | 71 | 11 | 6 | 29 | 0 | 0 |
| 1936 | 151 | 71 | 552 | 216 | 7 | 17 | 5 | 1 |
| 1937 | 147 | 75 | 29 | 5 | 6 | 24 | 0 | 0 |
| 1938 | 213 | 76 | 183 | 32 | 7 | 29 | 6 | 0 |
| 1939 | 152 | 75 | 91 | 27 | 7 | 21 | 3 | 0 |
| 1940 | 124 | 62 | 65 | 18 | 7 | 13 | 2 | 0 |
| 1941 | 118 | 57 | 53 | 25 | 6 | 24 | 1 | 0 |
| 1942 | 167 | 66 | 384 | 65 | 7 | 42 | 10 | 0 |
| 1943 | 152 | 61 | 58 | 5 | 7 | 28 | 8 | 0 |
| 1944 | 169 | 68 | 275 | 100 | 7 | 50 | 9 | 0 |
| 1945 | 121 | 66 | 210 | 69 | 7 | 21 | 10 | 1 |
| 1946 | 106 | 65 | 78 | 15 | 7 | 29 | 7 | 0 |
| 1947 | 165 | 78 | 313 | 169 | 7 | 46 | 7 | 1 |
| 1948 | 183 | 68 | 139 | 33 | 7 | 62 | 11 | 2 |
| 1949 | 249 | 80 | 211 | 58 | 7 | 54 | 13 | 0 |
| 1950 | 200 | 88 | 70 | 18 | 7 | 47 | 9 | 0 |
| 1951 | 262 | 113 | 34 | 6 | 7 | 35 | 11 | 2 |
| 1952 | 240 | 98 | 229 | 57 | 7 | 53 | 19 | 0 |
| 1953 | 421 | 136 | 515 | 116 | 8 | 63 | 18 | 7 |
| 1954 | 550 | 160 | 36 | 6 | 7 | 63 | 8 | 1 |
| 1955 | 593 | 152 | 126 | 80 | 7 | 74 | 13 | 1 |
| 1956 | 504 | 155 | 83 | 25 | 7 | 83 | 24 | 1 |
| 1957 | 856 | 154 | 192 | 44 | 8 | 129 | 26 | 3 |
| 1958 | 564 | 166 | 66 | 19 | 7 | 70 | 8 | 1 |
| 1959 | 604 | 156 | 58 | 21 | 7 | 70 | 4 | 1 |
| 1960 | 616 | 172 | 46 | 16 | 7 | 65 | 11 | 1 |
| 1961 | 697 | 169 | 51 | 16 | 7 | 103 | 21 | 1 |
| 1962 | 657 | 152 | 28 | 17 | 7 | 51 | 10 | 0 |
| 1963 | 464 | 141 | 31 | 5 | 7 | 77 | 15 | 1 |
| 1964 | 704 | 156 | 73 | 22 | 7 | 113 | 17 | 5 |
| 1965 | 906 | 181 | 299 | 44 | 8 | 126 | 30 | 11 |
| 1966 | 585 | 150 | 98 | 58 | 8 | 79 | 13 | 4 |
| 1967 | 926 | 173 | 114 | 33 | 8 | 125 | 33 | 8 |
| 1968 | 660 | 171 | 131 | 34 | 8 | 82 | 26 | 6 |
| 1969 | 608 | 155 | 66 | 32 | 8 | 98 | 16 | 3 |
| 1970 | 653 | 171 | 72 | 26 | 8 | 97 | 24 | 6 |
| 1971 | 888 | 192 | 156 | 58 | 8 | 71 | 30 | 5 |
| 1972 | 741 | 194 | 27 | 6 | 8 | 100 | 28 | 1 |
| 1973 | 1102 | 206 | 87 | 7 | 9 | 219 | 67 | 9 |
| 1974 | 947 | 184 | 361 | 34 | 9 | 166 | 82 | 25 |
| 1975 | 920 | 204 | 60 | 9 | 9 | 189 | 31 | 11 |
| 1976 | 835 | 169 | 44 | 5 | 8 | 145 | 41 | 5 |
| 1977 | 852 | 189 | 43 | 22 | 8 | 173 | 40 | 6 |
| 1978 | 788 | 173 | 53 | 16 | 9 | 153 | 53 | 6 |
| 1979 | 852 | 186 | 84 | 42 | 9 | 169 | 62 | 11 |
| 1980 | 866 | 176 | 28 | 5 | 9 | 201 | 79 | 13 |
| 1981 | 783 | 175 | 24 | 5 | 9 | 144 | 43 | 12 |
| 1982 | 1046 | 182 | 64 | 10 | 9 | 254 | 79 | 13 |
| 1983 | 931 | 190 | 34 | 3 | 9 | 211 | 85 | 10 |
| 1984 | 907 | 166 | 122 | 16 | 9 | 193 | 90 | 35 |
| 1985 | 684 | 168 | 94 | 18 | 9 | 114 | 55 | 14 |

NOTE: - THE ABOVE ESTIMATED LOSSES ARE BASED ON VALUES AT TIME OF OCCURRENCE.
MEAN WAS DERIVED FROM DATA FOR PERIOD 1953-1992

\$ STORM DAMAGES IN CATEGORIES:

- 5. \$50,000 TO \$500,000
- 6. \$500,000 TO \$5 MILLION
- 7. \$5 MILLION TO \$50 MILLION
- 8. \$50 MILLION TO \$500 MILLION
- 9. \$500 MILLION AND OVER

* NUMBER OF TIMES PROPERTY LOSSES REPORTED IN STORM DATA IN CATEGORIES 5, 6, 7 AND OVER.

NATIONAL TORNADOES, TORNADO DAYS, DEATHS AND RESULTING LOSSES BY YEARS, 1916 - 2002

| YEAR | NUMBER TORNADOES | TORNADO DAYS | TOTAL DEATHS | MOST DEATHS IN SINGLE TORNADO | TOTAL PROPERTY LOSSES \$ | PROPERTY LOSS FREQUENCY * | | |
|------|---------------------|-----------------|-----------------|-------------------------------------|--------------------------------|---------------------------|---------------|------------------------|
| | | | | | | CATEGORY 5 | CATEGORY 6 | CATEGORY 7 AND OVER |
| 1986 | 764 | 168 | 15 | 3 | 9 | 157 | 66 | 9 |
| 1987 | 656 | 151 | 59 | 30 | 8 | 112 | 32 | 6 |
| 1988 | 702 | 156 | 32 | 5 | 9 | 148 | 48 | 17 |
| 1989 | 856 | 160 | 50 | 21 | 9 | 133 | 60 | 18 |
| 1990 | 1133 | 181 | 53 | 29 | 8 | 215 | 91 | 18 |
| 1991 | 1132 | 179 | 39 | 17 | 8 | 194 | 49 | 15 |
| 1992 | 1298 | 195 | 39 | 12 | 8 | 212 | 83 | 25 |
| 1993 | 1176 | 186 | 33 | 7 | 8 | 186 | 59 | 13 |
| 1994 | 1082 | 199 | 69 | 22 | 8 | 194 | 68 | 15 |
| 1995 | 1235 | 178 | 30 | 6 | 8 | 203 | 52 | 11 |
| 1996 | 1170 | 196 | 25 | 5 | 8 | 224 | 86 | 22 |
| 1997 | 1148 | 196 | 67 | 27 | 8 | 202 | 63 | 10 |
| 1998 | 1525 | 202 | 130 | 32 | 9 | 327 | 134 | 46 |
| 1999 | 1520 | 186 | 94 | 12 | 9 | 260 | 115 | 24 |
| 2000 | 1076 | 212 | 41 | 11 | 8 | 182 | 53 | 15 |
| 2001 | 1213 | 174 | 40 | 6 | 8 | 234 | 82 | 24 |
| 2002 | 934 | 170 | 55 | 7 | 8 | 132 | 85 | 23 |
| MEAN | 867 | 174 | 85 | - | - | 148 | 48 | 11 |

NOTE: - THE ABOVE ESTIMATED LOSSES ARE BASED ON VALUES AT TIME OF OCCURRENCE.
MEAN WAS DERIVED FROM DATA FOR PERIOD 1953-1992

\$ STORM DAMAGES IN CATEGORIES:

- | | |
|--------------------------------|----------------------------------|
| 5. \$50,000 TO \$500,000 | 8. \$50 MILLION TO \$500 MILLION |
| 6. \$500,000 TO \$5 MILLION | 9. \$500 MILLION AND OVER |
| 7. \$5 MILLION TO \$50 MILLION | |

* NUMBER OF TIMES PROPERTY LOSSES REPORTED IN STORM DATA IN CATEGORIES 5, 6, 7 AND OVER.

TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR YEAR 2002

| STATE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALABAMA | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 1 | 0 | 0 | 0 | 0 | 6 |
| ALASKA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARIZONA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARKANSAS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| CALIFORNIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CONNECTICUT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DELAWARE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DISTRICT OF COLUMBIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FLORIDA | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 0 | 0 | 0 | 0 | 9 |
| GEORGIA | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| HAWAII | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IDAHO | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| ILLINOIS | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| INDIANA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IOWA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KANSAS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| KENTUCKY | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| LOUISIANA | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| MAINE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MARYLAND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| MASSACHUSETTS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MICHIGAN | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| MINNESOTA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MISSISSIPPI | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| MISSOURI | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 4 | 0 | 0 | 0 | 0 | 5 |
| MONTANA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEBRASKA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEVADA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW HAMPSHIRE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW JERSEY | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NEW MEXICO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW YORK | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| NORTH CAROLINA | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| NORTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OHIO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| OKLAHOMA | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| OREGON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PENNSYLVANIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 |
| PUERTO RICO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RHODE ISLAND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| SOUTH CAROLINA | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| SOUTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TENNESSEE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 3 |
| TEXAS | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| UTAH | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 2 |
| VERMONT | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| VIRGINIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WASHINGTON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WEST VIRGINIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| WISCONSIN | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| WYOMING | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 1 |
| TOTAL: UNITED STATES | 0 | 1 | 0 | 0 | 3 | 9 | 17 | 19 | 2 | 0 | 0 | 0 | 51 |

TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR YEAR 2002

| STATE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALABAMA | 0 | 0 | 0 | 0 | 1 | 10 | 4 | 7 | 1 | 0 | 0 | 0 | 23 |
| ALASKA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARIZONA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARKANSAS | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 2 |
| CALIFORNIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| COLORADO | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 3 |
| CONNECTICUT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DELAWARE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| DISTRICT OF COLUMBIA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| FLORIDA | 0 | 0 | 0 | 0 | 1 | 8 | 18 | 7 | 2 | 0 | 0 | 1 | 37 |
| GEORGIA | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 1 | 0 | 0 | 0 | 0 | 7 |
| HAWAII | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| IDAHO | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 0 | 0 | 0 | 0 | 4 |
| ILLINOIS | 1 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 0 | 0 | 0 | 6 |
| INDIANA | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 1 | 0 | 0 | 0 | 0 | 4 |
| IOWA | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| KANSAS | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 0 | 0 | 0 | 3 |
| KENTUCKY | 0 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| LOUISIANA | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 6 |
| MAINE | 0 | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 3 |
| MARYLAND | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| MASSACHUSETTS | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| MICHIGAN | 0 | 0 | 0 | 1 | 0 | 0 | 5 | 0 | 2 | 0 | 0 | 0 | 8 |
| MINNESOTA | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 2 |
| MISSISSIPPI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| MISSOURI | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| MONTANA | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| NEBRASKA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| NEVADA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW HAMPSHIRE | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 3 | 0 | 0 | 0 | 0 | 5 |
| NEW JERSEY | 0 | 0 | 0 | 2 | 0 | 0 | 1 | 5 | 0 | 0 | 0 | 0 | 8 |
| NEW MEXICO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| NEW YORK | 0 | 0 | 0 | 0 | 1 | 17 | 2 | 3 | 0 | 0 | 0 | 0 | 23 |
| NORTH CAROLINA | 0 | 0 | 0 | 1 | 0 | 0 | 10 | 4 | 0 | 0 | 0 | 0 | 15 |
| NORTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| OHIO | 0 | 0 | 0 | 0 | 3 | 10 | 0 | 3 | 0 | 0 | 0 | 0 | 16 |
| OKLAHOMA | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 1 |
| OREGON | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| PENNSYLVANIA | 0 | 0 | 0 | 0 | 2 | 6 | 0 | 7 | 0 | 0 | 0 | 0 | 15 |
| PUERTO RICO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| RHODE ISLAND | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| SOUTH CAROLINA | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 2 | 0 | 0 | 0 | 0 | 6 |
| SOUTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TENNESSEE | 0 | 0 | 1 | 0 | 0 | 0 | 22 | 1 | 0 | 0 | 1 | 0 | 25 |
| TEXAS | 0 | 0 | 0 | 1 | 0 | 1 | 0 | 3 | 0 | 0 | 0 | 0 | 5 |
| UTAH | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VERMONT | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| VIRGINIA | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| WASHINGTON | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 1 |
| WEST VIRGINIA | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 3 |
| WISCONSIN | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 2 | 0 | 0 | 0 | 0 | 4 |
| WYOMING | 0 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| TOTAL: UNITED STATES | 1 | 1 | 4 | 9 | 12 | 76 | 80 | 66 | 5 | 0 | 1 | 1 | 256 |

TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR PERIOD 1959-2002

| STATE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|
| ALABAMA | 0 | 0 | 3 | 3 | 8 | 29 | 32 | 22 | 3 | 1 | 0 | 0 | 101 |
| ALASKA | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ARIZONA | 0 | 0 | 0 | 0 | 6 | 1 | 24 | 19 | 14 | 3 | 0 | 1 | 68 |
| ARKANSAS | 0 | 1 | 8 | 0 | 13 | 35 | 30 | 23 | 6 | 0 | 0 | 1 | 117 |
| CALIFORNIA | 1 | 0 | 0 | 0 | 1 | 2 | 8 | 5 | 7 | 0 | 0 | 0 | 24 |
| COLORADO | 0 | 0 | 0 | 4 | 12 | 23 | 50 | 22 | 7 | 1 | 0 | 0 | 119 |
| CONNECTICUT | 0 | 0 | 0 | 0 | 2 | 5 | 5 | 3 | 1 | 0 | 0 | 0 | 16 |
| DELAWARE | 0 | 0 | 0 | 0 | 3 | 2 | 7 | 3 | 0 | 0 | 0 | 0 | 15 |
| DISTRICT OF COLUMBIA | 0 | 0 | 0 | 0 | 1 | 2 | 1 | 1 | 0 | 0 | 0 | 0 | 5 |
| FLORIDA | 0 | 1 | 8 | 6 | 30 | 103 | 112 | 105 | 54 | 4 | 1 | 1 | 425 |
| GEORGIA | 0 | 0 | 6 | 6 | 8 | 19 | 38 | 15 | 4 | 1 | 0 | 0 | 97 |
| HAWAII | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 3 |
| IDAHO | 0 | 0 | 0 | 1 | 1 | 8 | 10 | 5 | 1 | 0 | 0 | 0 | 26 |
| ILLINOIS | 0 | 1 | 0 | 5 | 12 | 31 | 17 | 17 | 12 | 2 | 0 | 0 | 97 |
| INDIANA | 0 | 0 | 1 | 4 | 9 | 25 | 23 | 16 | 5 | 2 | 0 | 0 | 85 |
| IOWA | 0 | 0 | 1 | 3 | 12 | 22 | 7 | 16 | 5 | 4 | 0 | 0 | 70 |
| KANSAS | 0 | 0 | 0 | 4 | 10 | 10 | 15 | 13 | 4 | 2 | 3 | 0 | 61 |
| KENTUCKY | 1 | 0 | 0 | 3 | 10 | 24 | 19 | 21 | 13 | 0 | 0 | 0 | 91 |
| LOUISIANA | 2 | 1 | 2 | 7 | 12 | 28 | 48 | 18 | 11 | 0 | 4 | 2 | 135 |
| MAINE | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 9 | 0 | 3 | 0 | 0 | 24 |
| MARYLAND | 0 | 0 | 0 | 0 | 5 | 11 | 14 | 12 | 2 | 1 | 0 | 81* | 126 |
| MASSACHUSETTS | 0 | 0 | 0 | 1 | 3 | 6 | 7 | 9 | 1 | 0 | 0 | 0 | 27 |
| MICHIGAN | 0 | 0 | 0 | 1 | 7 | 25 | 33 | 24 | 10 | 0 | 0 | 0 | 100 |
| MINNESOTA | 0 | 0 | 0 | 3 | 3 | 14 | 12 | 16 | 10 | 1 | 0 | 0 | 59 |
| MISSISSIPPI | 1 | 0 | 4 | 2 | 13 | 16 | 31 | 25 | 6 | 0 | 0 | 0 | 98 |
| MISSOURI | 0 | 0 | 5 | 4 | 21 | 22 | 14 | 16 | 3 | 1 | 0 | 0 | 86 |
| MONTANA | 0 | 0 | 0 | 0 | 2 | 12 | 8 | 2 | 2 | 0 | 0 | 0 | 26 |
| NEBRASKA | 0 | 0 | 0 | 1 | 4 | 16 | 12 | 7 | 4 | 0 | 0 | 0 | 44 |
| NEVADA | 0 | 0 | 0 | 0 | 1 | 2 | 0 | 2 | 1 | 0 | 0 | 0 | 6 |
| NEW HAMPSHIRE | 0 | 0 | 0 | 0 | 0 | 5 | 3 | 0 | 0 | 0 | 0 | 0 | 8 |
| NEW JERSEY | 0 | 0 | 0 | 1 | 5 | 9 | 24 | 16 | 6 | 0 | 0 | 0 | 61 |
| NEW MEXICO | 0 | 0 | 0 | 1 | 9 | 12 | 23 | 34 | 8 | 0 | 0 | 0 | 87 |
| NEW YORK | 0 | 0 | 2 | 0 | 9 | 23 | 64 | 28 | 7 | 2 | 0 | 0 | 135 |
| NORTH CAROLINA | 0 | 1 | 6 | 3 | 25 | 40 | 58 | 39 | 7 | 0 | 0 | 0 | 179 |
| NORTH DAKOTA | 0 | 0 | 0 | 0 | 0 | 4 | 5 | 3 | 0 | 0 | 0 | 0 | 12 |
| OHIO | 0 | 0 | 1 | 6 | 12 | 30 | 49 | 22 | 13 | 2 | 2 | 0 | 137 |
| OKLAHOMA | 1 | 1 | 1 | 11 | 15 | 17 | 10 | 22 | 13 | 3 | 2 | 0 | 96 |
| OREGON | 0 | 0 | 0 | 0 | 3 | 0 | 0 | 1 | 3 | 1 | 0 | 0 | 8 |
| PENNSYLVANIA | 0 | 1 | 0 | 2 | 9 | 29 | 39 | 29 | 11 | 3 | 0 | 0 | 123 |
| PUERTO RICO | 0 | 0 | 0 | 0 | 0 | 3 | 9 | 9 | 6 | 3 | 0 | 0 | 30 |
| RHODE ISLAND | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 2 | 0 | 0 | 0 | 4 |
| SOUTH CAROLINA | 0 | 0 | 1 | 1 | 8 | 16 | 36 | 20 | 10 | 0 | 0 | 0 | 92 |
| SOUTH DAKOTA | 0 | 0 | 0 | 0 | 4 | 4 | 6 | 2 | 3 | 3 | 0 | 0 | 22 |
| TENNESSEE | 0 | 1 | 1 | 9 | 17 | 33 | 29 | 24 | 14 | 2 | 3 | 0 | 133 |
| TEXAS | 0 | 2 | 3 | 19 | 35 | 24 | 50 | 36 | 18 | 8 | 1 | 0 | 196 |
| UTAH | 0 | 0 | 0 | 3 | 2 | 5 | 12 | 17 | 6 | 1 | 0 | 0 | 46 |
| VERMONT | 0 | 0 | 0 | 0 | 0 | 5 | 6 | 4 | 0 | 0 | 0 | 0 | 15 |
| VIRGINIA | 0 | 0 | 0 | 1 | 11 | 15 | 16 | 17 | 3 | 0 | 0 | 0 | 63 |
| WASHINGTON | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 5 |
| WEST VIRGINIA | 0 | 0 | 0 | 0 | 4 | 4 | 10 | 6 | 1 | 0 | 0 | 0 | 25 |
| WISCONSIN | 0 | 0 | 1 | 1 | 2 | 12 | 15 | 20 | 2 | 1 | 1 | 1 | 56 |
| WYOMING | 0 | 0 | 0 | 0 | 2 | 4 | 9 | 7 | 3 | 0 | 0 | 0 | 25 |
| TOTAL: UNITED STATES | 6 | 10 | 54 | 117 | 381 | 792 | 1061 | 803 | 323 | 58 | 17 | 87 | 3709 |

* ON DECEMBER 8, 1963 THE CRASH OF A JETLINER KILLING 81 PEOPLE NEAR ELKTON, MARYLAND, WAS ATTRIBUTED TO LIGHTNING BY THE CIVIL AERONAUTICS BOARD INVESTIGATION.

TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR PERIOD 1959-2002

| STATE | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| ALABAMA | 7 | 2 | 18 | 9 | 21 | 48 | 98 | 68 | 25 | 9 | 1 | 0 | 306 |
| ALASKA | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 2 |
| ARIZONA | 2 | 4 | 0 | 0 | 6 | 9 | 46 | 74 | 27 | 17 | 1 | 3 | 189 |
| ARKANSAS | 2 | 4 | 4 | 29 | 34 | 67 | 51 | 77 | 14 | 1 | 0 | 2 | 285 |
| CALIFORNIA | 2 | 0 | 10 | 15 | 1 | 10 | 20 | 13 | 25 | 1 | 1 | 1 | 99 |
| COLORADO | 0 | 0 | 0 | 9 | 54 | 115 | 129 | 109 | 25 | 7 | 0 | 0 | 448 |
| CONNECTICUT | 1 | 1 | 2 | 1 | 8 | 31 | 23 | 20 | 30 | 3 | 0 | 0 | 120 |
| DELAWARE | 0 | 0 | 0 | 0 | 8 | 12 | 6 | 3 | 3 | 0 | 0 | 0 | 32 |
| DISTRICT OF COLUMBIA | 0 | 0 | 0 | 0 | 10 | 20 | 1 | 1 | 0 | 0 | 1 | 0 | 33 |
| FLORIDA | 0 | 10 | 33 | 33 | 88 | 409 | 458 | 327 | 235 | 49 | 1 | 4 | 1647 |
| GEORGIA | 3 | 102 | 6 | 10 | 42 | 118 | 172 | 63 | 13 | 6 | 0 | 1 | 536 |
| HAWAII | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 3 | 0 | 9 |
| IDAHO | 0 | 0 | 0 | 1 | 6 | 22 | 32 | 23 | 7 | 1 | 0 | 0 | 92 |
| ILLINOIS | 13 | 1 | 2 | 4 | 30 | 70 | 86 | 56 | 43 | 7 | 0 | 0 | 312 |
| INDIANA | 0 | 0 | 2 | 7 | 33 | 47 | 53 | 40 | 10 | 0 | 0 | 0 | 192 |
| IOWA | 0 | 0 | 2 | 12 | 26 | 51 | 42 | 22 | 19 | 3 | 1 | 0 | 178 |
| KANSAS | 0 | 0 | 5 | 11 | 20 | 31 | 51 | 34 | 37 | 5 | 2 | 0 | 196 |
| KENTUCKY | 0 | 0 | 1 | 5 | 25 | 67 | 67 | 39 | 11 | 1 | 0 | 0 | 216 |
| LOUISIANA | 5 | 1 | 10 | 27 | 27 | 29 | 111 | 56 | 16 | 8 | 3 | 3 | 296 |
| MAINE | 0 | 10 | 0 | 0 | 7 | 23 | 64 | 61 | 0 | 0 | 1 | 0 | 166 |
| MARYLAND | 1 | 0 | 1 | 3 | 39 | 56 | 48 | 33 | 8 | 3 | 0 | 0 | 192 |
| MASSACHUSETTS | 0 | 0 | 1 | 12 | 28 | 72 | 137 | 107 | 26 | 4 | 2 | 1 | 390 |
| MICHIGAN | 0 | 0 | 2 | 16 | 70 | 172 | 177 | 215 | 59 | 9 | 0 | 0 | 720 |
| MINNESOTA | 0 | 0 | 1 | 0 | 15 | 39 | 63 | 32 | 10 | 6 | 0 | 0 | 166 |
| MISSISSIPPI | 1 | 2 | 9 | 3 | 16 | 19 | 117 | 40 | 11 | 3 | 8 | 1 | 230 |
| MISSOURI | 0 | 1 | 3 | 16 | 21 | 18 | 19 | 21 | 10 | 2 | 4 | 0 | 115 |
| MONTANA | 0 | 0 | 0 | 1 | 9 | 15 | 12 | 11 | 3 | 1 | 0 | 0 | 52 |
| NEBRASKA | 0 | 0 | 0 | 4 | 17 | 11 | 16 | 26 | 7 | 0 | 0 | 0 | 81 |
| NEVADA | 0 | 0 | 0 | 0 | 4 | 2 | 8 | 6 | 1 | 0 | 0 | 0 | 21 |
| NEW HAMPSHIRE | 0 | 0 | 1 | 0 | 3 | 26 | 55 | 17 | 2 | 0 | 0 | 0 | 104 |
| NEW JERSEY | 1 | 0 | 0 | 3 | 17 | 23 | 85 | 59 | 19 | 0 | 0 | 0 | 207 |
| NEW MEXICO | 0 | 0 | 1 | 2 | 25 | 19 | 72 | 70 | 10 | 1 | 0 | 0 | 200 |
| NEW YORK | 0 | 0 | 2 | 2 | 40 | 153 | 194 | 184 | 31 | 6 | 1 | 0 | 613 |
| NORTH CAROLINA | 2 | 2 | 29 | 18 | 46 | 124 | 205 | 158 | 33 | 2 | 1 | 0 | 620 |
| NORTH DAKOTA | 0 | 0 | 0 | 0 | 2 | 6 | 12 | 8 | 5 | 0 | 0 | 0 | 33 |
| OHIO | 0 | 0 | 34 | 7 | 68 | 124 | 99 | 122 | 60 | 4 | 12 | 0 | 530 |
| OKLAHOMA | 6 | 1 | 3 | 21 | 43 | 43 | 69 | 50 | 33 | 25 | 9 | 3 | 306 |
| OREGON | 0 | 0 | 0 | 1 | 2 | 2 | 0 | 15 | 5 | 0 | 0 | 0 | 25 |
| PENNSYLVANIA | 1 | 6 | 0 | 0 | 36 | 187 | 188 | 165 | 52 | 3 | 0 | 0 | 638 |
| PUERTO RICO | 0 | 0 | 0 | 0 | 0 | 0 | 4 | 0 | 2 | 1 | 0 | 0 | 7 |
| RHODE ISLAND | 0 | 2 | 0 | 1 | 2 | 14 | 16 | 12 | 3 | 0 | 1 | 0 | 51 |
| SOUTH CAROLINA | 0 | 0 | 2 | 10 | 26 | 39 | 127 | 53 | 26 | 1 | 1 | 0 | 285 |
| SOUTH DAKOTA | 0 | 0 | 0 | 2 | 5 | 22 | 22 | 14 | 1 | 2 | 0 | 0 | 68 |
| TENNESSEE | 1 | 3 | 10 | 26 | 54 | 65 | 153 | 74 | 23 | 6 | 2 | 0 | 417 |
| TEXAS | 3 | 3 | 8 | 41 | 61 | 59 | 76 | 116 | 49 | 52 | 4 | 0 | 472 |
| UTAH | 0 | 0 | 0 | 1 | 13 | 20 | 22 | 35 | 10 | 4 | 0 | 0 | 105 |
| VERMONT | 0 | 0 | 0 | 0 | 0 | 5 | 14 | 4 | 0 | 0 | 0 | 0 | 23 |
| VIRGINIA | 0 | 0 | 9 | 5 | 17 | 48 | 125 | 57 | 11 | 0 | 0 | 0 | 272 |
| WASHINGTON | 0 | 0 | 0 | 1 | 5 | 14 | 12 | 17 | 2 | 1 | 1 | 1 | 54 |
| WEST VIRGINIA | 0 | 0 | 0 | 11 | 3 | 10 | 50 | 38 | 1 | 1 | 0 | 0 | 114 |
| WISCONSIN | 0 | 1 | 3 | 9 | 23 | 60 | 99 | 54 | 11 | 3 | 2 | 0 | 265 |
| WYOMING | 0 | 0 | 0 | 1 | 4 | 42 | 22 | 34 | 10 | 0 | 0 | 0 | 113 |
| TOTAL: UNITED STATES | 51 | 157 | 214 | 390 | 1160 | 2688 | 3829 | 2938 | 1075 | 258 | 63 | 20 | 12843 |

NATIONAL TOTAL LIGHTNING DEATHS BY YEAR FOR PERIOD 1959-2002

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|
| 1959 | 1 | 0 | 1 | 4 | 18 | 25 | 50 | 39 | 13 | 7 | 0 | 0 | 158 |
| 1960 | 0 | 0 | 1 | 5 | 7 | 33 | 25 | 17 | 9 | 0 | 0 | 0 | 97 |
| 1961 | 0 | 0 | 1 | 2 | 9 | 23 | 47 | 20 | 10 | 1 | 0 | 0 | 113 |
| 1962 | 0 | 0 | 3 | 6 | 27 | 20 | 26 | 28 | 9 | 1 | 0 | 0 | 120 |
| 1963 | 0 | 0 | 4 | 3 | 11 | 37 | 42 | 20 | 10 | 2 | 0 | 81* | 210 |
| 1964 | 0 | 0 | 9 | 6 | 15 | 21 | 29 | 19 | 7 | 1 | 1 | 0 | 108 |
| 1965 | 0 | 0 | 2 | 4 | 12 | 34 | 39 | 28 | 4 | 2 | 0 | 0 | 125 |
| 1966 | 0 | 0 | 1 | 1 | 8 | 15 | 21 | 16 | 11 | 3 | 0 | 0 | 76 |
| 1967 | 1 | 0 | 1 | 2 | 3 | 26 | 21 | 14 | 1 | 2 | 1 | 1 | 73 |
| 1968 | 0 | 0 | 0 | 1 | 5 | 24 | 30 | 29 | 9 | 3 | 1 | 1 | 103 |
| 1969 | 0 | 0 | 1 | 5 | 13 | 17 | 27 | 13 | 14 | 3 | 0 | 0 | 93 |
| 1970 | 0 | 0 | 0 | 1 | 17 | 25 | 27 | 19 | 21 | 1 | 0 | 0 | 111 |
| 1971 | 0 | 0 | 2 | 1 | 12 | 27 | 33 | 19 | 19 | 0 | 0 | 0 | 113 |
| 1972 | 0 | 0 | 1 | 1 | 5 | 21 | 31 | 28 | 3 | 1 | 0 | 0 | 91 |
| 1973 | 0 | 1 | 2 | 3 | 10 | 24 | 31 | 18 | 13 | 2 | 1 | 0 | 105 |
| 1974 | 0 | 2 | 0 | 7 | 12 | 21 | 28 | 24 | 6 | 0 | 2 | 0 | 102 |
| 1975 | 0 | 1 | 3 | 3 | 11 | 19 | 28 | 18 | 6 | 2 | 0 | 0 | 91 |
| 1976 | 0 | 0 | 0 | 1 | 9 | 19 | 19 | 19 | 3 | 2 | 0 | 0 | 72 |
| 1977 | 0 | 0 | 0 | 4 | 9 | 19 | 16 | 35 | 14 | 1 | 0 | 0 | 98 |
| 1978 | 0 | 0 | 1 | 1 | 9 | 26 | 24 | 22 | 3 | 1 | 0 | 1 | 88 |
| 1979 | 0 | 0 | 0 | 3 | 11 | 4 | 20 | 16 | 4 | 3 | 2 | 0 | 63 |
| 1980 | 0 | 0 | 0 | 0 | 7 | 16 | 27 | 20 | 5 | 1 | 0 | 0 | 76 |
| 1981 | 0 | 0 | 0 | 4 | 5 | 13 | 19 | 19 | 5 | 0 | 2 | 0 | 67 |
| 1982 | 1 | 0 | 0 | 3 | 5 | 14 | 29 | 18 | 4 | 3 | 0 | 0 | 77 |
| 1983 | 0 | 0 | 1 | 2 | 4 | 8 | 28 | 23 | 8 | 1 | 2 | 0 | 77 |
| 1984 | 0 | 0 | 1 | 3 | 10 | 14 | 20 | 10 | 7 | 1 | 1 | 0 | 67 |
| 1985 | 0 | 0 | 0 | 5 | 12 | 12 | 26 | 8 | 8 | 1 | 1 | 0 | 73 |
| 1986 | 0 | 0 | 0 | 2 | 9 | 13 | 21 | 17 | 5 | 1 | 0 | 0 | 68 |
| 1987 | 0 | 0 | 0 | 2 | 14 | 18 | 28 | 15 | 7 | 2 | 0 | 0 | 86 |
| 1988 | 0 | 0 | 0 | 3 | 9 | 17 | 21 | 14 | 2 | 1 | 2 | 0 | 69 |
| 1989 | 0 | 0 | 1 | 1 | 9 | 14 | 19 | 18 | 4 | 1 | 0 | 0 | 67 |
| 1990 | 1 | 0 | 3 | 1 | 3 | 18 | 22 | 15 | 10 | 0 | 0 | 1 | 74 |
| 1991 | 0 | 0 | 0 | 2 | 8 | 15 | 23 | 19 | 6 | 0 | 0 | 0 | 73 |
| 1992 | 0 | 0 | 0 | 2 | 6 | 6 | 9 | 10 | 8 | 0 | 0 | 0 | 41 |
| 1993 | 1 | 0 | 0 | 0 | 0 | 6 | 9 | 11 | 12 | 4 | 0 | 0 | 43 |
| 1994 | 0 | 2 | 2 | 3 | 7 | 24 | 17 | 8 | 10 | 1 | 0 | 0 | 74 |
| 1995 | 0 | 0 | 0 | 6 | 7 | 11 | 30 | 19 | 12 | 0 | 0 | 0 | 85 |
| 1996 | 1 | 0 | 0 | 4 | 3 | 18 | 8 | 13 | 4 | 0 | 0 | 1 | 52 |
| 1997 | 0 | 1 | 0 | 1 | 6 | 10 | 12 | 8 | 4 | 0 | 0 | 0 | 42 |
| 1998 | 0 | 1 | 2 | 2 | 3 | 12 | 9 | 12 | 2 | 0 | 0 | 1 | 44 |
| 1999 | 0 | 0 | 1 | 3 | 7 | 8 | 15 | 10 | 1 | 0 | 1 | 0 | 46 |
| 2000 | 0 | 0 | 8 | 0 | 2 | 26 | 30 | 24 | 7 | 4 | 0 | 0 | 101 |
| 2001 | 0 | 1 | 2 | 4 | 3 | 7 | 6 | 11 | 12 | 0 | 0 | 0 | 46 |
| 2002 | 0 | 1 | 0 | 0 | 3 | 9 | 17 | 19 | 2 | 0 | 0 | 0 | 51 |
| TOTAL | 6 | 10 | 54 | 117 | 381 | 792 | 1061 | 803 | 326 | 55 | 17 | 87 | 3709 |
| MEAN | 0 | 0 | 1 | 3 | 9 | 18 | 24 | 18 | 7 | 1 | 0 | 2 | 84 |

* ON DECEMBER 8, 1963 THE CRASH OF A JETLINER KILLING 81 PEOPLE NEAR ELKIN, MARYLAND, WAS ATTRIBUTED TO LIGHTNING BY THE CIVIL AERONAUTICS BOARD INVESTIGATORS.

NATIONAL TOTAL LIGHTNING INJURIES BY YEAR FOR PERIOD 1959-2002

| YEAR | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-------|-----|-----|-----|-----|------|------|------|------|------|-----|-----|-----|-------|
| 1959 | 0 | 0 | 0 | 5 | 27 | 52 | 110 | 103 | 23 | 3 | 1 | 1 | 325 |
| 1960 | 0 | 0 | 2 | 11 | 12 | 70 | 28 | 50 | 16 | 9 | 4 | 0 | 202 |
| 1961 | 0 | 0 | 7 | 14 | 15 | 49 | 83 | 50 | 31 | 5 | 1 | 0 | 256 |
| 1962 | 0 | 0 | 3 | 5 | 39 | 38 | 90 | 49 | 12 | 6 | 0 | 0 | 242 |
| 1963 | 7 | 0 | 0 | 6 | 14 | 64 | 55 | 44 | 18 | 1 | 0 | 0 | 209 |
| 1964 | 0 | 0 | 10 | 15 | 14 | 38 | 99 | 53 | 8 | 1 | 1 | 0 | 239 |
| 1965 | 3 | 2 | 2 | 4 | 26 | 42 | 59 | 59 | 19 | 1 | 0 | 0 | 217 |
| 1966 | 0 | 2 | 1 | 2 | 37 | 39 | 42 | 44 | 15 | 1 | 0 | 0 | 183 |
| 1967 | 0 | 0 | 0 | 4 | 7 | 35 | 59 | 33 | 4 | 2 | 0 | 1 | 145 |
| 1968 | 0 | 0 | 4 | 2 | 16 | 52 | 117 | 155 | 14 | 9 | 1 | 0 | 370 |
| 1969 | 0 | 0 | 0 | 4 | 19 | 75 | 39 | 23 | 12 | 0 | 0 | 1 | 173 |
| 1970 | 0 | 0 | 1 | 5 | 40 | 40 | 82 | 43 | 43 | 4 | 1 | 0 | 259 |
| 1971 | 0 | 1 | 0 | 1 | 24 | 71 | 79 | 54 | 22 | 1 | 1 | 0 | 254 |
| 1972 | 0 | 0 | 8 | 6 | 12 | 24 | 72 | 54 | 24 | 2 | 1 | 1 | 203 |
| 1973 | 0 | 0 | 10 | 2 | 20 | 23 | 74 | 59 | 29 | 9 | 2 | 0 | 228 |
| 1974 | 1 | 9 | 1 | 3 | 12 | 27 | 56 | 51 | 12 | 1 | 0 | 0 | 173 |
| 1975 | 0 | 3 | 0 | 1 | 30 | 60 | 107 | 154 | 42 | 1 | 0 | 1 | 399 |
| 1976 | 0 | 1 | 0 | 7 | 16 | 39 | 73 | 68 | 13 | 1 | 0 | 1 | 219 |
| 1977 | 0 | 0 | 0 | 3 | 35 | 58 | 58 | 67 | 62 | 4 | 4 | 0 | 291 |
| 1978 | 0 | 0 | 5 | 3 | 19 | 100 | 73 | 54 | 42 | 5 | 0 | 0 | 301 |
| 1979 | 0 | 2 | 4 | 26 | 32 | 73 | 55 | 49 | 9 | 2 | 2 | 0 | 254 |
| 1980 | 0 | 1 | 2 | 11 | 11 | 49 | 50 | 134 | 16 | 1 | 0 | 0 | 275 |
| 1981 | 1 | 0 | 2 | 9 | 34 | 60 | 108 | 52 | 9 | 3 | 13 | 0 | 291 |
| 1982 | 1 | 0 | 2 | 6 | 38 | 20 | 54 | 32 | 11 | 4 | 4 | 2 | 174 |
| 1983 | 0 | 0 | 24 | 3 | 25 | 24 | 87 | 113 | 30 | 31 | 0 | 0 | 337 |
| 1984 | 0 | 0 | 7 | 5 | 13 | 43 | 80 | 53 | 44 | 7 | 1 | 0 | 253 |
| 1985 | 0 | 0 | 29 | 4 | 42 | 48 | 61 | 33 | 27 | 4 | 0 | 0 | 248 |
| 1986 | 0 | 2 | 4 | 2 | 15 | 68 | 112 | 43 | 22 | 3 | 0 | 0 | 271 |
| 1987 | 0 | 0 | 2 | 8 | 66 | 49 | 121 | 70 | 43 | 3 | 1 | 1 | 364 |
| 1988 | 0 | 0 | 1 | 14 | 22 | 53 | 133 | 63 | 19 | 5 | 1 | 0 | 311 |
| 1989 | 1 | 0 | 8 | 16 | 23 | 70 | 135 | 51 | 12 | 4 | 2 | 0 | 322 |
| 1990 | 12 | 0 | 4 | 6 | 10 | 43 | 88 | 62 | 25 | 1 | 0 | 1 | 252 |
| 1991 | 0 | 0 | 2 | 30 | 48 | 111 | 94 | 107 | 37 | 3 | 0 | 0 | 432 |
| 1992 | 0 | 0 | 4 | 10 | 41 | 38 | 80 | 46 | 31 | 42 | 0 | 0 | 292 |
| 1993 | 1 | 0 | 4 | 4 | 15 | 75 | 103 | 65 | 20 | 5 | 0 | 3 | 295 |
| 1994 | 1 | 7 | 6 | 32 | 39 | 151 | 156 | 106 | 55 | 19 | 4 | 1 | 577 |
| 1995 | 4 | 4 | 10 | 18 | 33 | 81 | 229 | 102 | 26 | 0 | 3 | 0 | 510 |
| 1996 | 2 | 3 | 4 | 12 | 36 | 102 | 66 | 49 | 21 | 6 | 6 | 2 | 309 |
| 1997 | 3 | 12 | 7 | 8 | 8 | 69 | 109 | 48 | 27 | 11 | 4 | 0 | 306 |
| 1998 | 1 | 3 | 9 | 24 | 28 | 81 | 69 | 45 | 16 | 4 | 2 | 3 | 285 |
| 1999 | 3 | 0 | 3 | 8 | 34 | 42 | 67 | 67 | 15 | 3 | 1 | 0 | 243 |
| 2000 | 0 | 104 | 12 | 12 | 56 | 180 | 132 | 140 | 68 | 24 | 0 | 0 | 728 |
| 2001 | 9 | 0 | 6 | 10 | 45 | 86 | 105 | 77 | 24 | 7 | 1 | 0 | 370 |
| 2002 | 1 | 1 | 4 | 9 | 12 | 76 | 80 | 66 | 5 | 0 | 1 | 1 | 256 |
| TOTAL | 51 | 157 | 214 | 390 | 1160 | 2688 | 3829 | 2940 | 1073 | 258 | 63 | 20 | 12843 |
| MEAN | 1 | 4 | 5 | 9 | 26 | 61 | 87 | 67 | 24 | 6 | 1 | 0 | 292 |

These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. **HPD** includes maximum precipitation for nine (9) time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD publications summarize temperature, relative humidity, precipitation, cloudiness, wind speed and direction observations for several hundred cities in the U.S. and its territories. Each monthly publication also contains the 3 hourly weather observations for that month and an hourly summary of precipitation. Annual **LCD** publications contain a summary of the past calendar year as well as historical averages and extremes.

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