

# 2009 Annual Summaries

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

## FLOOD/FLASH FLOOD



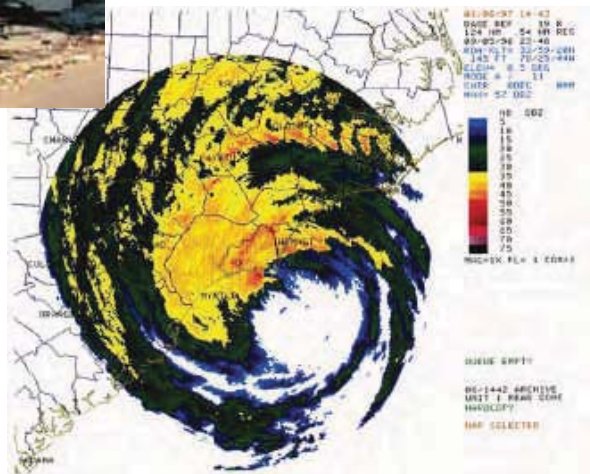
## Lightning



## Tornado



## Hurricane



# 2009 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 2009 in the United States



This National Weather Service (NWS) report summarizes fatalities, injuries and damages caused by severe weather in 2009. 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 2009 Weather Events, Fatalities, Injuries, and Damage Costs

| Weather Event               | Fatalities | Injuries | Property<br>Damage<br>(million \$) | Crop<br>Damage<br>(million \$) | Total<br>Damage<br>(million \$) |
|-----------------------------|------------|----------|------------------------------------|--------------------------------|---------------------------------|
| <b>Convection</b>           |            |          |                                    |                                |                                 |
| Lightning                   | 34         | 201      | 43.83                              | 0.01                           | 43.84                           |
| Tornado                     | 21         | 351      | 566.37                             | 18.48                          | 584.85                          |
| Thunderstorm Wind           | 22         | 189      | 1,397.50                           | 32.57                          | 1,430.07                        |
| Hail                        | 0          | 69       | 1,278.79                           | 349.67                         | 1,628.46                        |
| <b>Extreme Temperatures</b> |            |          |                                    |                                |                                 |
| Cold                        | 33         | 4        | 0.09                               | 189.05                         | 189.14                          |
| Heat                        | 45         | 204      | 4.06                               | 0.00                           | 4.06                            |
| <b>Flood</b>                |            |          |                                    |                                |                                 |
| Flash Flood                 | 32         | 17       | 438.50                             | 9.05                           | 447.55                          |
| River Flood                 | 21         | 9        | 607.57                             | 29.23                          | 636.80                          |
| <b>Marine</b>               |            |          |                                    |                                |                                 |
| Coastal Storm               | 0          | 0        | 281.69                             | 0.00                           | 281.69                          |
| Tsunami                     | 32         | 129      | 81.00                              | 0.02                           | 81.02                           |
| Rip Current                 | 54         | 53       | 25.86                              | 0.00                           | 25.86                           |
| <b>Tropical Cyclones</b>    |            |          |                                    |                                |                                 |
| Tropical Storm / Hurricane  | 2          | 1        | 0.92                               | 0.01                           | 0.93                            |
| <b>Winter</b>               |            |          |                                    |                                |                                 |
| Winter Storm                | 21         | 394      | 339.56                             | 0.50                           | 340.06                          |
| Ice                         | 7          | 5        | 1,170.96                           | 0.00                           | 1,170.96                        |
| Avalanche                   | 7          | 3        | 1.00                               | 0.00                           | 1.00                            |
| <b>Other</b>                |            |          |                                    |                                |                                 |
| Drought                     | 0          | 0        | 0.05                               | 49.58                          | 49.63                           |
| Dust Storm                  | 2          | 0        | 0.66                               | 5.75                           | 6.41                            |
| Dust Devil                  | 0          | 3        | 0.23                               | 0.00                           | 0.23                            |
| Rain                        | 6          | 9        | 5.89                               | 0.16                           | 6.05                            |

|               |            |             |                 |               |                 |
|---------------|------------|-------------|-----------------|---------------|-----------------|
| Fog           | 0          | 0           | 2.76            | 0.00          | 2.76            |
| High Wind     | 25         | 68          | 198.23          | 0.03          | 198.26          |
| Waterspout    | 0          | 0           | 0.01            | 0.00          | 0.01            |
| Fire Weather  | 2          | 109         | 110.82          | 1.38          | 112.20          |
| Mud Slide     | 0          | 9           | 51.91           | 0.00          | 51.91           |
| Volcanic Ash  | 0          | 0           | 0.00            | 0.00          | 0.00            |
| Miscellaneous | 0          | 0           | 0.06            | 0.00          | 0.06            |
| <b>Total</b>  | <b>366</b> | <b>1827</b> | <b>6,608.30</b> | <b>685.49</b> | <b>7,293.79</b> |

## **Summary of 2009 Natural Hazard Statistics**

Weather-related deaths were down in 2009 to 366 deaths, from 568 fatalities in 2008. The 2009 number is well below the 10-year average (2000-2009) of 575. Rip currents were the most deadly hazard, claiming 54 lives in 2009, but down from 67 in 2008. Flooding was the next most deadly weather category, with 53 victims. Thunderstorm and High Winds claimed 47 lives.

Of the 2009 weather-related fatalities, males again accounted for more than twice as many deaths (242) as females (119), a common pattern reflecting the higher percentage of men who hold outdoor jobs such as construction, and who take part in sports and other outside activities. Males were more likely to be victims in all age ranges except the 80-89 and 90+ categories. August was the deadliest month in 2009, claiming 58 lives, followed by June, during which 54 weather-related deaths were recorded.

Weather related injuries also were down in 2009. There were 1,828 reported weather-related injuries/illnesses, down significantly from 2,899 in 2008. As in 2008, tornadoes caused by far the most injuries, with 1,714 reported victims, followed by thunderstorms, with 271 injuries, and heat with 217 victims.

Which state had the most dangerous weather in 2009? Florida won that dubious honor with 35 victims of various kinds of weather from lightning, cold, floods, thunderstorms and rip currents. American Samoa followed closely with 32 deaths, most if not all from the tsunami that struck the island. Illinois number 29 victims and Texas, 27 weather related deaths.

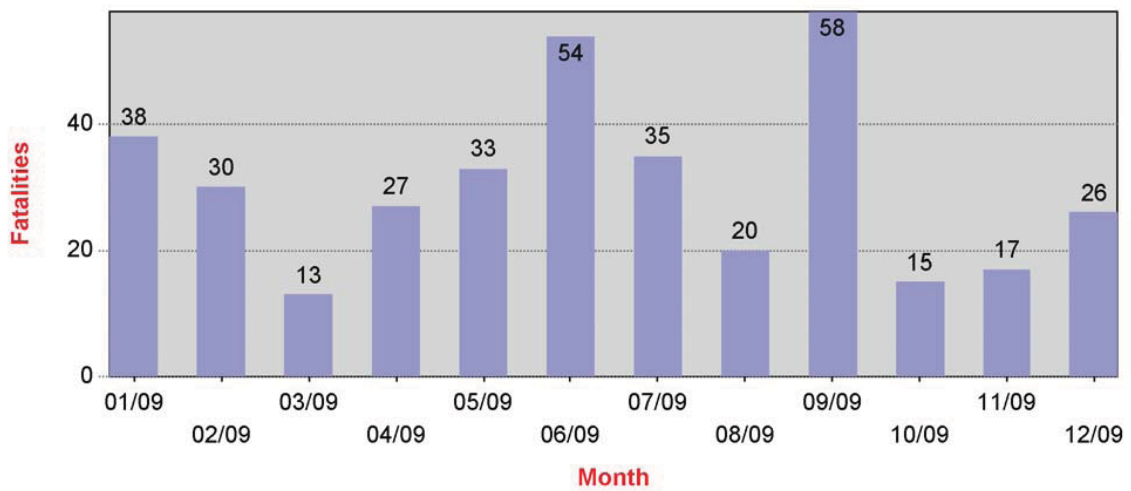
Extreme weather caused approximately \$7.5 billion in combined property and crop damages in 2009, down dramatically from \$26.5 billion in 2008. Property damages were estimated at \$6.8 billion, down from \$27.1 billion in 2008. In contrast to 2008 when coastal storms and tropical storms/hurricanes were the most destructive weather, in 2009, hail and thunderstorm damage caused the heaviest property losses. These two categories amounted to more than \$2.8 billion in damages. Crop damage was most affected by hail as well, which accounted for \$349.67 million in damages to farmers crops, followed by extreme cold and high winds, which accounted for \$189.05 million and \$172.18 million in losses, respectively.

Arkansas took the biggest hit in terms of combined property and crop damages in 2009, with \$1.1 billion in losses. Texas followed with \$852.8 million in losses. Louisiana came in third with \$783.2 million. Property damages mirrored total damages: Arkansas had the most property damage, more than \$1.1 billion, followed by Texas and Louisiana. Crop losses, however, were most severe in Hawaii, which totaled \$337.88 million in losses, distantly followed by Texas, with \$71 million in losses.

### 2009 Summary of Fatalities for All Hazards by Age and Gender

|                | Female | Male  | Unknown | Total | Percent |
|----------------|--------|-------|---------|-------|---------|
| 0 to 9         | 6      | 9     | 0       | 15    | 4.10    |
| 10 to 19       | 8      | 20    | 0       | 28    | 7.65    |
| 20 to 29       | 15     | 24    | 0       | 39    | 10.66   |
| 30 to 39       | 8      | 31    | 0       | 39    | 10.66   |
| 40 to 49       | 23     | 48    | 0       | 71    | 19.40   |
| 50 to 59       | 16     | 38    | 0       | 54    | 14.75   |
| 60 to 69       | 15     | 26    | 0       | 41    | 11.20   |
| 70 to 79       | 13     | 22    | 0       | 35    | 9.56    |
| 80 to 89       | 10     | 9     | 0       | 19    | 5.19    |
| 90 to --       | 1      | 2     | 0       | 3     | 0.82    |
| Unknown        | 4      | 13    | 5       | 22    | 6.01    |
| <b>Total</b>   | 119    | 242   | 5       | 366   |         |
| <b>Percent</b> | 32.51  | 66.12 | 1.37    |       |         |

### 2009 Monthly Weather Related Fatalities



### 2009 Summary of Hazardous Weather Fatalities, Injuries, and Damage Costs by State

| State                     | Fatalities | Injuries | Property<br>Damage<br>(million \$) | Crop<br>Damage<br>(million \$) | Total<br>Damage<br>(million \$) |
|---------------------------|------------|----------|------------------------------------|--------------------------------|---------------------------------|
| AK (Alaska)               | 2          | 2        | 30.82                              | 0.00                           | 30.82                           |
| AL (Alabama)              | 6          | 70       | 47.44                              | 0.00                           | 47.44                           |
| AM (Atlantic South)       | 2          | 2        | 0.00                               | 0.00                           | 0.00                            |
| AN (Atlantic North)       | 3          | 0        | 0.01                               | 0.00                           | 0.01                            |
| AR (Arkansas)             | 13         | 78       | 1,115.42                           | 31.05                          | 1,146.46                        |
| AS (American Samoa)       | 32         | 129      | 81.00                              | 0.02                           | 81.02                           |
| AZ (Arizona)              | 2          | 19       | 15.41                              | 0.00                           | 15.41                           |
| CA (California)           | 17         | 130      | 52.00                              | 2.40                           | 54.40                           |
| CO (Colorado)             | 3          | 29       | 606.63                             | 40.67                          | 647.30                          |
| CT (Connecticut)          | 3          | 58       | 2.68                               | 0.00                           | 2.68                            |
| DC (District of Columbia) | 0          | 0        | 0.00                               | 0.00                           | 0.00                            |
| DE (Delaware)             | 0          | 38       | 47.03                              | 0.50                           | 47.53                           |
| FL (Florida)              | 35         | 84       | 94.46                              | 61.55                          | 156.01                          |
| GA (Georgia)              | 12         | 40       | 399.36                             | 1.49                           | 400.85                          |
| GM (Gulf of Mexico)       | 0          | 0        | 0.03                               | 0.00                           | 0.03                            |
| GU (Guam)                 | 0          | 1        | 0.04                               | 0.01                           | 0.05                            |
| HI (Hawaii)               | 4          | 3        | 0.01                               | 0.00                           | 0.01                            |
| IA (Iowa)                 | 1          | 30       | 82.68                              | 337.88                         | 420.57                          |
| ID (Idaho)                | 3          | 1        | 2.98                               | 0.00                           | 2.98                            |
| IL (Illinois)             | 29         | 44       | 382.78                             | 8.13                           | 390.92                          |
| IN (Indiana)              | 1          | 8        | 52.23                              | 0.43                           | 52.66                           |
| KS (Kansas)               | 7          | 40       | 118.69                             | 21.58                          | 140.27                          |
| KY (Kentucky)             | 8          | 33       | 365.51                             | 0.28                           | 365.79                          |
| LA (Louisiana)            | 7          | 35       | 780.73                             | 2.43                           | 783.17                          |
| LC (Lake St.Clair)        | 0          | 0        | 0.00                               | 0.00                           | 0.00                            |
| LE (Lake Erie)            | 0          | 0        | 0.03                               | 0.00                           | 0.03                            |
| LH (Lake Huron)           | 0          | 0        | 0.00                               | 0.00                           | 0.00                            |
| LM (Lake Michigan)        | 0          | 0        | 0.00                               | 0.00                           | 0.00                            |
| LO (Lake Ontario)         | 0          | 0        | 0.00                               | 0.00                           | 0.00                            |
| LS (Lake Superior)        | 0          | 0        | 0.00                               | 0.00                           | 0.00                            |
| MA (Massachusetts)        | 1          | 9        | 3.14                               | 0.00                           | 3.14                            |
| MD (Maryland)             | 1          | 8        | 3.10                               | 0.01                           | 3.11                            |
| ME (Maine)                | 1          | 16       | 5.39                               | 0.00                           | 5.39                            |
| MI (Michigan)             | 4          | 4        | 55.22                              | 0.00                           | 55.22                           |
| MN (Minnesota)            | 10         | 3        | 6.59                               | 1.40                           | 7.98                            |
| MO (Missouri)             | 11         | 151      | 335.50                             | 13.11                          | 348.61                          |
| MS (Mississippi)          | 5          | 42       | 47.76                              | 5.91                           | 53.67                           |
| MT (Montana)              | 5          | 1        | 0.69                               | 4.20                           | 4.89                            |

|                        |            |             |                 |               |                 |
|------------------------|------------|-------------|-----------------|---------------|-----------------|
| NC (North Carolina)    | 15         | 30          | 30.18           | 0.66          | 30.84           |
| ND (North Dakota)      | 0          | 2           | 54.68           | 1.87          | 56.55           |
| NE (Nebraska)          | 1          | 9           | 14.13           | 34.72         | 48.85           |
| NH (New Hampshire)     | 1          | 0           | 1.13            | 0.00          | 1.13            |
| NJ (New Jersey)        | 5          | 53          | 195.41          | 0.20          | 195.61          |
| NM (New Mexico)        | 5          | 9           | 9.28            | 0.02          | 9.30            |
| NV (Nevada)            | 6          | 2           | 0.66            | 0.00          | 0.66            |
| NY (New York)          | 11         | 22          | 224.75          | 0.16          | 224.91          |
| OH (Ohio)              | 4          | 12          | 48.93           | 0.09          | 49.02           |
| OK (Oklahoma)          | 11         | 9           | 74.42           | 0.00          | 74.42           |
| OR (Oregon)            | 5          | 12          | 1.91            | 0.01          | 1.91            |
| PA (Pennsylvania)      | 3          | 82          | 57.15           | 0.45          | 57.60           |
| PH (Hawaii Waters)     | 0          | 0           | 0.00            | 0.00          | 0.00            |
| PK (Gulf of Alaska)    | 0          | 0           | 0.00            | 0.00          | 0.00            |
| PR (Puerto Rico)       | 4          | 6           | 6.69            | 0.06          | 6.74            |
| PZ (East Pacific)      | 1          | 2           | 0.02            | 0.00          | 0.02            |
| RI (Rhode Island)      | 0          | 9           | 0.09            | 0.00          | 0.09            |
| SC (South Carolina)    | 5          | 24          | 56.27           | 0.06          | 56.32           |
| SD (South Dakota)      | 0          | 5           | 65.14           | 11.16         | 76.29           |
| SL (St.Lawrence River) | 0          | 0           | 0.00            | 0.00          | 0.00            |
| TN (Tennessee)         | 15         | 76          | 131.26          | 0.02          | 131.28          |
| TX (Texas)             | 27         | 91          | 620.48          | 70.99         | 691.47          |
| UT (Utah)              | 0          | 1           | 0.84            | 0.10          | 0.94            |
| VA (Virginia)          | 2          | 3           | 55.44           | 0.00          | 55.44           |
| VI (Virgin Islands)    | 0          | 0           | 0.03            | 0.00          | 0.03            |
| VT (Vermont)           | 0          | 0           | 2.11            | 0.12          | 2.22            |
| WA (Washington)        | 4          | 4           | 123.93          | 0.01          | 123.94          |
| WI (Wisconsin)         | 7          | 247         | 37.47           | 31.71         | 69.18           |
| WV (West Virginia)     | 2          | 4           | 51.21           | 0.00          | 51.21           |
| WY (Wyoming)           | 4          | 5           | 9.37            | 0.07          | 9.43            |
| <b>Total</b>           | <b>366</b> | <b>1827</b> | <b>6,608.30</b> | <b>685.49</b> | <b>7,293.79</b> |



## 2009 Lightning Fatalities

In 2009, there were 34 lightning fatalities, 7 more than the 2008 total of 27. The 2009 number is well below the 10-year average of 41 fatalities. For the 11th consecutive year, Florida was the hardest hit state, with 5 fatalities, followed by North Carolina and Texas with 3 deaths each, and California, Minnesota, Missouri and New Mexico each with two deaths. As in 2008, the most dangerous place to be was outside in an open space, with 20 deaths (59%), followed by 5 victims under a tree. In 2009, almost 5 times as many males, 28 (82%), as females, 6 (18%), were killed by lightning. The hardest hit age range was adults 40-49 with 9 deaths (26%) but tragically, teens and young adults aged 10-29 accounted for 11 (32%).

| 2009 Lightning Fatalities by State and Location |      |      |      |      |      |      |      |       |      |       |       |
|---|------|------|------|------|------|------|------|-------|------|-------|-------|
| State   | BF   | BO   | CA   | EQ   | GF   | IW   | OT   | OU    | TE   | UT    | Total |
| AL (Alabama)                                    | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0     | 0    | 0     | 1     |
| AZ (Arizona)                                    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| CA (California)                                 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 1     | 2     |
| CO (Colorado)                                   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| FL (Florida)                                    | 1    | 1    | 0    | 0    | 1    | 0    | 0    | 2     | 0    | 0     | 5     |
| IN (Indiana)                                    | 0    | 0    | 1    | 0    | 0    | 0    | 0    | 0     | 0    | 0     | 1     |
| KS (Kansas)                                     | 0    | 0    | 0    | 0    | 0    | 0    | 1    | 0     | 0    | 0     | 1     |
| KY (Kentucky)                                   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 1     | 1     |
| LA (Louisiana)                                  | 0    | 1    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0     | 1     |
| MA (Massachusetts)                              | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| MN (Minnesota)                                  | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 1     | 2     |
| MO (Missouri)                                   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2     | 0    | 0     | 2     |
| MS (Mississippi)                                | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| MT (Montana)                                    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| NC (North Carolina)                             | 0    | 0    | 0    | 0    | 0    | 1    | 0    | 2     | 0    | 0     | 3     |
| NJ (New Jersey)                                 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 1     | 1     |
| NM (New Mexico)                                 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 1     | 2     |
| NY (New York)                                   | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| PA (Pennsylvania)                               | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| PR (Puerto Rico)                                | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     | 0    | 0     | 1     |
| TX (Texas)                                      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 3     | 0    | 0     | 3     |
| VA (Virginia)                                   | 1    | 0    | 0    | 0    | 0    | 0    | 0    | 0     | 0    | 0     | 1     |
| <b>Total</b>                                    | 2    | 2    | 1    | 0    | 1    | 1    | 2    | 20    | 0    | 5     | 34    |
| <b>Percent</b>                                  | 5.88 | 5.88 | 2.94 | 0.00 | 2.94 | 2.94 | 5.88 | 58.82 | 0.00 | 14.71 |       |

### 2009 Lightning Fatalities by Age and Gender

|                | Female | Male  | Unknown | Total | Percent |
|----------------|--------|-------|---------|-------|---------|
| 0 to 9         | 0      | 0     | 0       | 0     | 0.00    |
| 10 to 19       | 2      | 4     | 0       | 6     | 17.65   |
| 20 to 29       | 1      | 4     | 0       | 5     | 14.71   |
| 30 to 39       | 0      | 4     | 0       | 4     | 11.76   |
| 40 to 49       | 1      | 8     | 0       | 9     | 26.47   |
| 50 to 59       | 0      | 3     | 0       | 3     | 8.82    |
| 60 to 69       | 0      | 4     | 0       | 4     | 11.76   |
| 70 to 79       | 1      | 0     | 0       | 1     | 2.94    |
| 80 to 89       | 0      | 0     | 0       | 0     | 0.00    |
| 90 to --       | 0      | 0     | 0       | 0     | 0.00    |
| Unknown        | 1      | 1     | 0       | 2     | 5.88    |
| <b>Total</b>   | 6      | 28    | 0       | 34    |         |
| <b>Percent</b> | 17.65  | 82.35 | 0.00    |       |         |

### Legend

|      |                              |
|------|------------------------------|
| BF - | Ball Field                   |
| BO - | Boating                      |
| CA - | Camping                      |
| EQ - | Heavy Equipment/Construction |
| GF - | Golfing                      |
| IW - | In Water                     |
| OT - | Other                        |
| OU - | Outside/Open Areas           |
| TE - | Telephone                    |
| UT - | Under Tree                   |

### 2009 Tornado Fatalities

Tornadoes caused 21 deaths in the United States in 2009. Down significantly from 126 in 2008 and below the 10-year average of 56. As in most years, the most dangerous place to be during a tornado was in a mobile home, which accounted for 12 (57%) of deaths. Permanent homes were the next most fatal location with 5 (24%) of fatalities, trailed by 2 victims (10%) struck while outside. Tornado fatalities were one of few areas where more females were victims than males: 12 women and 9 men. Victims spanned the age ranges, but were most heavily impacted in the 30-69 year old categories with 17 deaths (81%).

#### 2009 Tornado Fatalities by State and Location

| State            | BU   | LS   | MH    | OT   | OU   | PH    | SC   | VE   | Total |
|------------------|------|------|-------|------|------|-------|------|------|-------|
| AL (Alabama)     | 0    | 0    | 1     | 0    | 0    | 0     | 0    | 0    | 1     |
| AR (Arkansas)    | 0    | 0    | 0     | 1    | 0    | 2     | 0    | 0    | 3     |
| GA (Georgia)     | 0    | 0    | 1     | 0    | 0    | 0     | 0    | 0    | 1     |
| KY (Kentucky)    | 0    | 0    | 2     | 0    | 0    | 0     | 0    | 0    | 2     |
| MO (Missouri)    | 0    | 0    | 1     | 0    | 2    | 0     | 0    | 0    | 3     |
| MS (Mississippi) | 0    | 0    | 1     | 0    | 0    | 0     | 0    | 0    | 1     |
| OK (Oklahoma)    | 0    | 0    | 6     | 0    | 0    | 1     | 0    | 1    | 8     |
| TN (Tennessee)   | 0    | 0    | 0     | 0    | 0    | 2     | 0    | 0    | 2     |
| <b>Total</b>     | 0    | 0    | 12    | 1    | 2    | 5     | 0    | 1    | 21    |
| <b>Percent</b>   | 0.00 | 0.00 | 57.14 | 4.76 | 9.52 | 23.81 | 0.00 | 4.76 |       |

#### 2009 Tornado Fatalities by Age and Gender

|                | Female | Male  | Unknown | Total | Percent |
|----------------|--------|-------|---------|-------|---------|
| 0 to 9         | 1      | 0     | 0       | 1     | 4.76    |
| 10 to 19       | 0      | 0     | 0       | 0     | 0.00    |
| 20 to 29       | 1      | 0     | 0       | 1     | 4.76    |
| 30 to 39       | 1      | 4     | 0       | 5     | 23.81   |
| 40 to 49       | 1      | 2     | 0       | 3     | 14.29   |
| 50 to 59       | 5      | 0     | 0       | 5     | 23.81   |
| 60 to 69       | 2      | 2     | 0       | 4     | 19.05   |
| 70 to 79       | 0      | 1     | 0       | 1     | 4.76    |
| 80 to 89       | 1      | 0     | 0       | 1     | 4.76    |
| 90 to --       | 0      | 0     | 0       | 0     | 0.00    |
| Unknown        | 0      | 0     | 0       | 0     | 0.00    |
| <b>Total</b>   | 12     | 9     | 0       | 21    |         |
| <b>Percent</b> | 57.14  | 42.86 | 0.00    |       |         |

#### Legend

|      |                       |
|------|-----------------------|
| BU - | Business              |
| LS - | Long Span Roof        |
| MH - | Mobile/Trailer Home   |
| OT - | Other                 |
| OU - | Outside/Open Areas    |
| PH - | Permanent Home        |
| SC - | School                |
| VE - | Vehicle/Towed Trailer |

### 2009 Flash Flood / River Flood Fatalities

In 2009, flash and river floods claimed 53 lives, down from 82 in 2008. The 2009 flood casualty total is below the 10-year average of 64 deaths and 30-year average of 99 fatalities. Of the 53 deaths, 30 (57%) were caught in a vehicle other than a boat, 11 (21%) died of unidentified causes and 10 (19%) were swept away by flood waters. Georgia had the most victims, 10, closely followed by Texas, with 8 deaths. Flash floods caused 32 deaths; river floods, 21. Flood deaths were heaviest in the 40-49 age range with 13 (25%), followed by the 20-29 age range 8 (15%) and 70-79 with 7 (13%). Males accounted for 34 (64%) deaths and females, 19 (36%).

| 2009 Flood Fatalities by State and Location |      |      |      |       |      |       |      |       |       |
|---|------|------|------|-------|------|-------|------|-------|-------|
| State                                       | BO   | BU   | CA   | IW    | MH   | OT    | PH   | VE    | Total |
| AL (Alabama)                                | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 3     | 3     |
| AR (Arkansas)                               | 0    | 0    | 0    | 1     | 0    | 3     | 0    | 1     | 5     |
| FL (Florida)                                | 0    | 0    | 0    | 1     | 0    | 1     | 0    | 0     | 2     |
| GA (Georgia)                                | 0    | 0    | 0    | 1     | 1    | 0     | 0    | 8     | 10    |
| ID (Idaho)                                  | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| IL (Illinois)                               | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 3     | 4     |
| KS (Kansas)                                 | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 3     | 4     |
| KY (Kentucky)                               | 0    | 0    | 0    | 0     | 0    | 1     | 0    | 1     | 2     |
| MO (Missouri)                               | 0    | 0    | 0    | 0     | 0    | 1     | 0    | 1     | 2     |
| MS (Mississippi)                            | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| NC (North Carolina)                         | 0    | 1    | 0    | 1     | 0    | 0     | 0    | 0     | 2     |
| NM (New Mexico)                             | 0    | 0    | 0    | 0     | 0    | 1     | 0    | 0     | 1     |
| NY (New York)                               | 0    | 0    | 0    | 0     | 0    | 1     | 0    | 0     | 1     |
| OH (Ohio)                                   | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| OK (Oklahoma)                               | 0    | 0    | 0    | 0     | 0    | 0     | 0    | 1     | 1     |
| OR (Oregon)                                 | 0    | 0    | 0    | 1     | 0    | 0     | 0    | 0     | 1     |
| PR (Puerto Rico)                            | 0    | 0    | 0    | 0     | 0    | 1     | 0    | 0     | 1     |
| TN (Tennessee)                              | 0    | 0    | 0    | 2     | 0    | 0     | 0    | 0     | 2     |
| TX (Texas)                                  | 0    | 0    | 0    | 0     | 0    | 2     | 0    | 6     | 8     |
| <b>Total</b>                                | 0    | 1    | 0    | 9     | 1    | 11    | 0    | 30    | 52    |
| <b>Percent</b>                              | 0.00 | 1.92 | 0.00 | 17.31 | 1.92 | 21.15 | 0.00 | 57.69 |       |

#### Legend

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

| 2009 Flood Fatalities by Age and Gender |        |       |         |       |         |
|---|--------|-------|---------|-------|---------|
|   | Female | Male  | Unknown | Total | Percent |
| 0 to 9                                  | 0      | 3     | 0       | 3     | 5.77    |
| 10 to 19                                | 1      | 2     | 0       | 3     | 5.77    |
| 20 to 29                                | 4      | 4     | 0       | 8     | 15.38   |
| 30 to 39                                | 2      | 3     | 0       | 5     | 9.62    |
| 40 to 49                                | 8      | 5     | 0       | 13    | 25.00   |
| 50 to 59                                | 3      | 3     | 0       | 6     | 11.54   |
| 60 to 69                                | 0      | 3     | 0       | 3     | 5.77    |
| 70 to 79                                | 1      | 6     | 0       | 7     | 13.46   |
| 80 to 89                                | 0      | 1     | 0       | 1     | 1.92    |
| 90 to --                                | 0      | 1     | 0       | 1     | 1.92    |
| Unknown                                 | 0      | 2     | 0       | 2     | 3.85    |
| <b>Total</b>                            | 19     | 33    | 0       | 52    |         |
| <b>Percent</b>                          | 36.54  | 63.46 | 0.00    |       |         |

### 2009 Winter Weather Fatalities

There were 28 winter storm deaths in 2009, up from 21 in 2008. This number is well below the 10-year average of 33. Texas again recorded the highest death toll with 4, followed by Arkansas and Montana with 3 each. The most hazardous place to be in the winter of 2009 was in a vehicle, 12, (43%) or outside, 7 (25%). In 2009, victims again fell most heavily in the 20-29 year age ranges, with 7 deaths (25%). More males, 15 (54%) than females, 10 (36%) died in winter storms. There were three deaths with gender not identified (10%).

| 2009 Winter Weather Fatalities by State and Location |      |      |       |       |       |       |       |
|--|------|------|-------|-------|-------|-------|-------|
| State  | IW   | MH   | OT    | OU    | PH    | VE    | Total |
| AK (Alaska)  | 0    | 0    | 2     | 0     | 0     | 0     | 2     |
| AR (Arkansas)  | 0    | 0    | 3     | 0     | 0     | 0     | 3     |
| AZ (Arizona)   | 0    | 0    | 0     | 1     | 0     | 0     | 1     |
| CT (Connecticut)                                     | 0    | 0    | 0     | 1     | 1     | 0     | 2     |
| ID (Idaho)   | 0    | 0    | 0     | 0     | 0     | 1     | 1     |
| KS (Kansas)  | 0    | 0    | 0     | 0     | 0     | 1     | 1     |
| KY (Kentucky)  | 0    | 1    | 0     | 0     | 1     | 0     | 2     |
| MD (Maryland)  | 0    | 0    | 0     | 1     | 0     | 0     | 1     |
| MN (Minnesota)                                       | 0    | 0    | 0     | 2     | 0     | 0     | 2     |
| MT (Montana)   | 0    | 0    | 0     | 0     | 0     | 3     | 3     |
| NE (Nebraska)  | 0    | 0    | 0     | 1     | 0     | 0     | 1     |
| NJ (New Jersey)                                      | 0    | 0    | 0     | 0     | 0     | 1     | 1     |
| NM (New Mexico)                                      | 0    | 0    | 0     | 0     | 0     | 1     | 1     |
| NY (New York)  | 0    | 0    | 0     | 0     | 0     | 1     | 1     |
| OK (Oklahoma)  | 0    | 0    | 0     | 0     | 0     | 1     | 1     |
| TN (Tennessee)                                       | 0    | 0    | 0     | 0     | 1     | 0     | 1     |
| TX (Texas)   | 0    | 0    | 0     | 1     | 0     | 3     | 4     |
| <b>Total</b>   | 0    | 1    | 5     | 7     | 3     | 12    | 28    |
| <b>Percent</b>                                       | 0.00 | 3.57 | 17.86 | 25.00 | 10.71 | 42.86 |       |

#### Legend

|      |                       |
|------|-----------------------|
| LS - | Long Span Roof        |
| MH - | Mobile/Trailer Home   |
| OT - | Other                 |
| OU - | Outside/Open Areas    |
| PH - | Permanent Home        |
| VE - | Vehicle/Towed Trailer |

### 2009 Winter Weather Fatalities by Age and Gender

|                | Female | Male  | Unknown | Total | Percent |
|----------------|--------|-------|---------|-------|---------|
| 0 to 9         | 0      | 0     | 0       | 0     | 0.00    |
| 10 to 19       | 1      | 0     | 0       | 1     | 3.57    |
| 20 to 29       | 5      | 2     | 0       | 7     | 25.00   |
| 30 to 39       | 0      | 2     | 0       | 2     | 7.14    |
| 40 to 49       | 1      | 2     | 0       | 3     | 10.71   |
| 50 to 59       | 1      | 1     | 0       | 2     | 7.14    |
| 60 to 69       | 1      | 3     | 0       | 4     | 14.29   |
| 70 to 79       | 0      | 1     | 0       | 1     | 3.57    |
| 80 to 89       | 1      | 2     | 0       | 3     | 10.71   |
| 90 to --       | 0      | 0     | 0       | 0     | 0.00    |
| Unknown        | 0      | 2     | 3       | 5     | 17.86   |
| <b>Total</b>   | 10     | 15    | 3       | 28    |         |
| <b>Percent</b> | 35.71  | 53.57 | 10.71   |       |         |

## 2009 Tropical Cyclone Fatalities

Tropical Storms and hurricanes claimed only 2 lives in 2009, down dramatically from 22 in 2008. The 2 fatalities were both male, one in the 20-29 year age range and one in the 70-79 age range. The victims were from Florida and Louisiana. Both were killed while in water. There were 11 named tropical storms in the Atlantic Basin in 2009, of which 3 had wind speeds that measured hurricane force, well below 2008, which numbered 17 names storms, 5 of which became hurricanes. The Pacific Basin was again more active than the Atlantic with 20 named storms: 7 Hurricanes and 13 Tropical Storms, up from 18 in 2008.

| 2009 Tropical Cyclone Fatalities by State and Location |      |      |        |      |      |      |      |      |      |      |       |
|--|------|------|--------|------|------|------|------|------|------|------|-------|
| State  | BO   | BU   | IW     | LS   | MH   | OT   | OU   | PH   | SC   | VE   | Total |
| FL (Florida)   | 0    | 0    | 1      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     |
| LA (Louisiana)   | 0    | 0    | 1      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 1     |
| <b>Total</b>   | 0    | 0    | 2      | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 2     |
| <b>Percent</b>   | 0.00 | 0.00 | 100.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |       |

| 2009 Tropical Cyclone Fatalities by Age and Gender |        |        |         |       |         | Legend |                       |
|--|--------|--------|---------|-------|---------|--------|-----------------------|
|  | Female | Male   | Unknown | Total | Percent |        |                       |
| 0 to 9   | 0      | 0      | 0       | 0     | 0.00    | BO -   | Boating               |
| 10 to 19   | 0      | 0      | 0       | 0     | 0.00    | BU -   | Business              |
| 20 to 29   | 0      | 1      | 0       | 1     | 50.00   | IW -   | In Water              |
| 30 to 39   | 0      | 0      | 0       | 0     | 0.00    | LS -   | Long Span Roof        |
| 40 to 49   | 0      | 0      | 0       | 0     | 0.00    | MH -   | Mobile/Trailer Home   |
| 50 to 59   | 0      | 0      | 0       | 0     | 0.00    | OT -   | Other                 |
| 60 to 69   | 0      | 0      | 0       | 0     | 0.00    | OU -   | Outside/Open Areas    |
| 70 to 79   | 0      | 1      | 0       | 1     | 50.00   | PH -   | Permanent Home        |
| 80 to 89   | 0      | 0      | 0       | 0     | 0.00    | SC -   | School                |
| 90 to --   | 0      | 0      | 0       | 0     | 0.00    | VE -   | Vehicle/Towed Trailer |
| Unknown  | 0      | 0      | 0       | 0     | 0.00    |        |                       |
| <b>Total</b>                                       | 0      | 2      | 0       | 2     |         |        |                       |
| <b>Percent</b>                                     | 0.00   | 100.00 | 0.00    |       |         |        |                       |



## 2009 Wind Related Fatalities

There were 47 wind related deaths in 2009, well below the 2008 total of 70. This number is slightly above the 10-year average of 43 victims. Florida claimed the highest death toll with 4, followed closely by 3 each in Louisiana and offshore in the North Atlantic. There were eight wind victims not classified and seven, each, who died while in a boat or outside in open area. Adults in the 40-49 age range were the hardest hit with 9 victims (19%), however 6 victims, each, fell in the 30-39, 50-59 and 60-69 year age ranges. More males, 28 (60%) than females, 17 (36%) were killed by wind, with 2 (4%) unknown.

| 2009 Wind Related Fatalities by State and Location |       |      |      |      |       |       |      |      |       |       |
|--|-------|------|------|------|-------|-------|------|------|-------|-------|
| State  | BO    | CA   | LS   | MH   | OT    | OU    | PH   | SC   | VE    | Total |
| AL (Alabama)                                       | 0     | 0    | 0    | 1    | 0     | 0     | 0    | 0    | 0     | 1     |
| AM (Atlantic South)                                | 0     | 0    | 0    | 0    | 2     | 0     | 0    | 0    | 0     | 2     |
| AN (Atlantic North)                                | 3     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 3     |
| CA (California)                                    | 0     | 0    | 0    | 0    | 0     | 1     | 0    | 0    | 1     | 2     |
| CO (Colorado)                                      | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 2     | 2     |
| CT (Connecticut)                                   | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 1     |
| FL (Florida)                                       | 3     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 4     |
| GA (Georgia)                                       | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 1     |
| HI (Hawaii)  | 0     | 0    | 0    | 0    | 1     | 0     | 0    | 0    | 0     | 1     |
| IL (Illinois)                                      | 0     | 0    | 0    | 0    | 0     | 0     | 1    | 0    | 0     | 1     |
| KS (Kansas)  | 0     | 0    | 0    | 1    | 0     | 0     | 0    | 0    | 0     | 1     |
| KY (Kentucky)                                      | 0     | 0    | 0    | 0    | 1     | 0     | 0    | 0    | 0     | 1     |
| LA (Louisiana)                                     | 0     | 0    | 0    | 1    | 1     | 1     | 0    | 0    | 0     | 3     |
| MI (Michigan)                                      | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 1     |
| MN (Minnesota)                                     | 0     | 0    | 0    | 0    | 2     | 0     | 0    | 0    | 0     | 2     |
| MO (Missouri)                                      | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 2     | 2     |
| MS (Mississippi)                                   | 0     | 0    | 0    | 1    | 0     | 0     | 0    | 0    | 1     | 2     |
| NC (North Carolina)                                | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 4     | 4     |
| NH (New Hampshire)                                 | 0     | 0    | 0    | 0    | 1     | 0     | 0    | 0    | 0     | 1     |
| NJ (New Jersey)                                    | 0     | 0    | 0    | 0    | 0     | 1     | 0    | 0    | 1     | 2     |
| NY (New York)                                      | 0     | 0    | 0    | 0    | 0     | 1     | 0    | 0    | 0     | 1     |
| OH (Ohio)  | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 1     |
| PZ (East Pacific)                                  | 1     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 0     | 1     |
| SC (South Carolina)                                | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 1     |
| TN (Tennessee)                                     | 0     | 0    | 0    | 0    | 0     | 0     | 1    | 0    | 0     | 1     |
| TX (Texas)   | 0     | 0    | 0    | 0    | 0     | 1     | 0    | 0    | 0     | 1     |
| WA (Washington)                                    | 0     | 0    | 0    | 0    | 0     | 1     | 0    | 0    | 1     | 2     |
| WI (Wisconsin)                                     | 0     | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 1     | 1     |
| WV (West Virginia)                                 | 0     | 0    | 0    | 0    | 0     | 1     | 0    | 0    | 0     | 1     |
| <b>Total</b>                                       | 7     | 0    | 0    | 4    | 8     | 7     | 2    | 0    | 19    | 47    |
| <b>Percent</b>                                     | 14.89 | 0.00 | 0.00 | 8.51 | 17.02 | 14.89 | 4.26 | 0.00 | 40.43 |       |

### 2009 Wind Related Fatalities by Age and Gender

|                | Female | Male  | Unknown | Total | Percent |
|----------------|--------|-------|---------|-------|---------|
| 0 to 9         | 0      | 2     | 0       | 2     | 4.26    |
| 10 to 19       | 3      | 2     | 0       | 5     | 10.64   |
| 20 to 29       | 2      | 0     | 0       | 2     | 4.26    |
| 30 to 39       | 2      | 4     | 0       | 6     | 12.77   |
| 40 to 49       | 3      | 6     | 0       | 9     | 19.15   |
| 50 to 59       | 3      | 3     | 0       | 6     | 12.77   |
| 60 to 69       | 3      | 3     | 0       | 6     | 12.77   |
| 70 to 79       | 0      | 2     | 0       | 2     | 4.26    |
| 80 to 89       | 0      | 3     | 0       | 3     | 6.38    |
| 90 to --       | 0      | 0     | 0       | 0     | 0.00    |
| Unknown        | 1      | 3     | 2       | 6     | 12.77   |
| <b>Total</b>   | 17     | 28    | 2       | 47    |         |
| <b>Percent</b> | 36.17  | 59.57 | 4.26    |       |         |

### Legend

|      |                       |
|------|-----------------------|
| BO - | Boating               |
| CA - | Camping               |
| LS - | Long Span Roof        |
| MH - | Mobile/Trailer Home   |
| OT - | Other                 |
| OU - | Outside/Open Areas    |
| PH - | Permanent Home        |
| SC - | School                |
| VE - | Vehicle/Towed Trailer |

### 2009 High Wind and Thunderstorm Wind Fatalities by State

| State               | Thunderstorm Wind | High Wind | Total |
|---------------------|-------------------|-----------|-------|
| AL (Alabama)        | 1                 | 0         | 1     |
| AM (Atlantic South) | 2                 | 0         | 2     |
| AN (Atlantic North) | 0                 | 3         | 3     |
| CA (California)     | 1                 | 0         | 1     |
| CO (Colorado)       | 2                 | 0         | 2     |
| CT (Connecticut)    | 0                 | 1         | 1     |
| FL (Florida)        | 4                 | 0         | 4     |
| GA (Georgia)        | 0                 | 1         | 1     |
| IL (Illinois)       | 1                 | 0         | 1     |
| KS (Kansas)         | 1                 | 0         | 1     |
| KY (Kentucky)       | 0                 | 1         | 1     |
| LA (Louisiana)      | 2                 | 1         | 3     |
| MI (Michigan)       | 1                 | 0         | 1     |
| MO (Missouri)       | 2                 | 0         | 2     |
| MS (Mississippi)    | 2                 | 0         | 2     |
| NJ (New Jersey)     | 0                 | 2         | 2     |
| NY (New York)       | 0                 | 1         | 1     |
| OH (Ohio)           | 0                 | 1         | 1     |
| SC (South Carolina) | 1                 | 0         | 1     |
| TX (Texas)          | 1                 | 0         | 1     |
| WV (West Virginia)  | 1                 | 0         | 1     |
| <b>Total</b>        | 22                | 11        | 33    |
| <b>Percent</b>      | 66.67             | 33.33     |       |

### 2009 High Wind and Thunderstorm Wind Fatalities by Gender

|                | Thunderstorm Wind | High Wind | Total | Percent |
|----------------|-------------------|-----------|-------|---------|
| Female         | 9                 | 4         | 13    | 39.39   |
| Male           | 12                | 6         | 18    | 54.55   |
| Unknown        | 1                 | 1         | 2     | 6.06    |
| <b>Total</b>   | 22                | 11        | 33    |         |
| <b>Percent</b> | 66.67             | 33.33     |       |         |

## 2009 Heat Related Fatalities

In 2009, 45 people died as a result of extreme heat, down from 71 fatalities in 2008. This number is well below the 10-year average for heat related fatalities of 170. In 2009, the most dangerous place to be was in a permanent home with little or no air conditioning, where a reported 19 deaths (42%) occurred. The next most dangerous location was outside/open areas, where 17 people (38%) succumbed to heat. Illinois and Tennessee numbered the most heat victims, 9 each, followed by Nevada and Texas with 6 each. In a switch, extreme heat most strongly affected adults aged 50-59 (18%) and kids 10-19 years old, 6 deaths (18%). Typically, seniors are the mostly affected group. As in most weather fatality categories, many more males 30 (67%) were killed than females 15 (33%).

| 2009 Heat Related Fatalities by State and Location |      |      |      |      |      |       |       |      |       |
|--|------|------|------|------|------|-------|-------|------|-------|
| State  | BF   | CA   | GF   | MH   | OT   | OU    | PH    | VE   | Total |
| AR (Arkansas)                                      | 0    | 0    | 0    | 0    | 0    | 1     | 0     | 0    | 1     |
| CA (California)                                    | 0    | 0    | 0    | 0    | 0    | 4     | 0     | 0    | 4     |
| FL (Florida)                                       | 0    | 0    | 0    | 0    | 0    | 2     | 0     | 0    | 2     |
| IL (Illinois)                                      | 0    | 0    | 0    | 1    | 0    | 5     | 3     | 0    | 9     |
| MO (Missouri)                                      | 0    | 0    | 0    | 0    | 0    | 0     | 2     | 0    | 2     |
| NV (Nevada)  | 0    | 0    | 0    | 1    | 0    | 1     | 4     | 0    | 6     |
| OK (Oklahoma)                                      | 0    | 0    | 0    | 0    | 0    | 1     | 0     | 0    | 1     |
| PA (Pennsylvania)                                  | 0    | 0    | 0    | 0    | 0    | 0     | 1     | 1    | 2     |
| SC (South Carolina)                                | 0    | 0    | 0    | 0    | 0    | 1     | 0     | 0    | 1     |
| TN (Tennessee)                                     | 0    | 0    | 0    | 1    | 1    | 0     | 7     | 0    | 9     |
| TX (Texas)   | 0    | 0    | 0    | 0    | 0    | 2     | 2     | 2    | 6     |
| WA (Washington)                                    | 0    | 0    | 0    | 0    | 2    | 0     | 0     | 0    | 2     |
| <b>Total</b>                                       | 0    | 0    | 0    | 3    | 3    | 17    | 19    | 3    | 45    |
| <b>Percent</b>                                     | 0.00 | 0.00 | 0.00 | 6.67 | 6.67 | 37.78 | 42.22 | 6.67 |       |

| 2009 Heat Related Fatalities by Age and Gender |        |       |         |       |         |
|--|--------|-------|---------|-------|---------|
|  | Female | Male  | Unknown | Total | Percent |
| 0 to 9   | 1      | 2     | 0       | 3     | 6.67    |
| 10 to 19                                       | 1      | 1     | 0       | 2     | 4.44    |
| 20 to 29                                       | 0      | 2     | 0       | 2     | 4.44    |
| 30 to 39                                       | 0      | 4     | 0       | 4     | 8.89    |
| 40 to 49                                       | 0      | 3     | 0       | 3     | 6.67    |
| 50 to 59                                       | 2      | 6     | 0       | 8     | 17.78   |
| 60 to 69                                       | 2      | 5     | 0       | 7     | 15.56   |
| 70 to 79                                       | 3      | 3     | 0       | 6     | 13.33   |
| 80 to 89                                       | 5      | 2     | 0       | 7     | 15.56   |
| 90 to --                                       | 1      | 1     | 0       | 2     | 4.44    |
| Unknown  | 0      | 1     | 0       | 1     | 2.22    |
| <b>Total</b>                                   | 15     | 30    | 0       | 45    |         |
| <b>Percent</b>                                 | 33.33  | 66.67 | 0.00    |       |         |

### Legend

|      |                       |
|------|-----------------------|
| BF - | Ball Field            |
| CA - | Camping               |
| GF - | Golfing               |
| MH - | Mobile/Trailer Home   |
| OT - | Other                 |
| OU - | Outside/Open Areas    |
| PH - | Permanent Home        |
| VE - | Vehicle/Towed Trailer |

## 2009 Cold Related Fatalities

| 2009 Cold Related Fatalities by State and Location |      |      |      |       |      |      |       |
|--|------|------|------|-------|------|------|-------|
| State  | IW   | MH   | OT   | OU    | PH   | VE   | Total |
| FL (Florida)                                       | 0    | 0    | 1    | 1     | 0    | 0    | 2     |
| IA (Iowa)  | 0    | 0    | 0    | 1     | 0    | 0    | 1     |
| IL (Illinois)                                      | 0    | 0    | 1    | 11    | 3    | 0    | 15    |
| MN (Minnesota)                                     | 0    | 0    | 0    | 4     | 0    | 0    | 4     |
| MT (Montana)                                       | 0    | 0    | 0    | 1     | 0    | 0    | 1     |
| NM (New Mexico)                                    | 0    | 0    | 0    | 0     | 0    | 1    | 1     |
| OH (Ohio)  | 0    | 0    | 0    | 2     | 0    | 0    | 2     |
| OR (Oregon)  | 0    | 0    | 0    | 1     | 0    | 0    | 1     |
| WI (Wisconsin)                                     | 0    | 0    | 0    | 6     | 0    | 0    | 6     |
| <b>Total</b>                                       | 0    | 0    | 2    | 27    | 3    | 1    | 33    |
| <b>Percent</b>                                     | 0.00 | 0.00 | 6.06 | 81.82 | 9.09 | 3.03 |       |

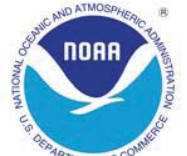
| 2009 Cold Related Fatalities by Age and Gender |        |       |         |       |         |
|--|--------|-------|---------|-------|---------|
|  | Female | Male  | Unknown | Total | Percent |
| 0 to 9   | 0      | 1     | 0       | 1     | 3.03    |
| 10 to 19                                       | 0      | 2     | 0       | 2     | 6.06    |
| 20 to 29                                       | 0      | 2     | 0       | 2     | 6.06    |
| 30 to 39                                       | 0      | 1     | 0       | 1     | 3.03    |
| 40 to 49                                       | 1      | 6     | 0       | 7     | 21.21   |
| 50 to 59                                       | 1      | 7     | 0       | 8     | 24.24   |
| 60 to 69                                       | 0      | 2     | 0       | 2     | 6.06    |
| 70 to 79                                       | 2      | 5     | 0       | 7     | 21.21   |
| 80 to 89                                       | 3      | 0     | 0       | 3     | 9.09    |
| 90 to --                                       | 0      | 0     | 0       | 0     | 0.00    |
| Unknown  | 0      | 0     | 0       | 0     | 0.00    |
| <b>Total</b>                                   | 7      | 26    | 0       | 33    |         |
| <b>Percent</b>                                 | 21.21  | 78.79 | 0.00    |       |         |

### Legend

|      |                       |
|------|-----------------------|
| IW - | In Water              |
| MH - | Mobile/Trailer Home   |
| OT - | Other                 |
| OU - | Outside/Open Areas    |
| PH - | Permanent Home        |
| VE - | Vehicle/Towed Trailer |



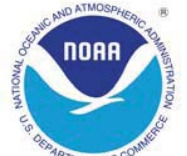
## TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR YEAR 2009



| STATE                | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALABAMA              | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| ALASKA               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| ARIZONA              | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   |
| ARKANSAS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| CALIFORNIA           | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 2   |
| COLORADO             | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| 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   | 2   | 2   | 0   | 1   | 0   | 0   | 0   | 5   |
| GEORGIA              | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| HAWAII               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| IDAHO                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| ILLINOIS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INDIANA              | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| IOWA                 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| KANSAS               | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| KENTUCKY             | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| LOUISIANA            | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   |
| MAINE                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| MARYLAND             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| MASSACHUSETTS        | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| MICHIGAN             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| MINNESOTA            | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2   |
| MISSISSIPPI          | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| MISSOURI             | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 1   | 0   | 0   | 2   |
| MONTANA              | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| 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   | 1   | 1   | 0   | 0   | 0   | 0   | 2   |
| NEW YORK             | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| NORTH CAROLINA       | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 1   | 0   | 0   | 0   | 3   |
| NORTH DAKOTA         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| OHIO                 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| OKLAHOMA             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| 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   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| RHODE ISLAND         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| SOUTH CAROLINA       | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| SOUTH DAKOTA         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| TENNESSEE            | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| TEXAS                | 0   | 0   | 1   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 3   |
| 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   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| 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   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| WYOMING              | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| TOTAL: UNITED STATES | 0   | 0   | 1   | 1   | 2   | 12  | 10  | 3   | 4   | 1   | 0   | 0   | 34  |



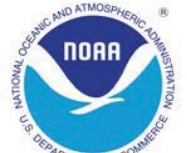
## TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR YEAR 2009



| STATE                | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| ALABAMA              | 0   | 0   | 0   | 0   | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 3   |
| ALASKA               | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   |
| ARIZONA              | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 4   |
| ARKANSAS             | 0   | 0   | 1   | 0   | 0   | 0   | 3   | 1   | 0   | 0   | 0   | 0   | 5   |
| CALIFORNIA           | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 1   | 0   | 1   | 0   | 5   |
| COLORADO             | 0   | 0   | 0   | 0   | 2   | 5   | 0   | 1   | 1   | 0   | 0   | 0   | 9   |
| CONNECTICUT          | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 4   |
| 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   | 2   | 0   | 5   | 4   | 40  | 9   | 0   | 0   | 1   | 0   | 61  |
| GEORGIA              | 0   | 2   | 0   | 0   | 0   | 0   | 1   | 3   | 0   | 0   | 0   | 0   | 6   |
| HAWAII               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| IDAHO                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| ILLINOIS             | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| INDIANA              | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 2   | 0   | 0   | 0   | 0   | 5   |
| IOWA                 | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| KANSAS               | 0   | 0   | 0   | 1   | 0   | 0   | 1   | 2   | 0   | 0   | 0   | 0   | 4   |
| KENTUCKY             | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| LOUISIANA            | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 1   | 1   | 0   | 0   | 0   | 4   |
| MAINE                | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 3   |
| MARYLAND             | 0   | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 2   |
| MASSACHUSETTS        | 0   | 0   | 0   | 0   | 0   | 0   | 5   | 0   | 1   | 0   | 0   | 0   | 6   |
| MICHIGAN             | 0   | 0   | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 0   | 0   | 0   | 4   |
| MINNESOTA            | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| MISSISSIPPI          | 0   | 0   | 0   | 0   | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 3   |
| MISSOURI             | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| 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   | 4   | 0   | 4   | 4   | 0   | 0   | 0   | 0   | 12  |
| NEW MEXICO           | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 1   | 0   | 0   | 0   | 0   | 7   |
| NEW YORK             | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 3   |
| NORTH CAROLINA       | 0   | 0   | 0   | 0   | 0   | 0   | 6   | 2   | 3   | 0   | 0   | 0   | 11  |
| NORTH DAKOTA         | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| OHIO                 | 0   | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 3   |
| OKLAHOMA             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| OREGON               | 0   | 0   | 0   | 0   | 1   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 3   |
| PENNSYLVANIA         | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 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   | 9   | 0   | 0   | 0   | 0   | 9   |
| SOUTH CAROLINA       | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 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   | 0   | 0   | 0   | 0   | 1   |
| TEXAS                | 0   | 0   | 0   | 1   | 1   | 1   | 8   | 0   | 0   | 0   | 0   | 0   | 11  |
| UTAH                 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1   |
| VERMONT              | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| VIRGINIA             | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| 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   | 0   | 0   | 0   | 0   | 0   |
| TOTAL: UNITED STATES | 0   | 4   | 3   | 2   | 23  | 22  | 97  | 37  | 10  | 0   | 3   | 0   | 201 |



# TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR PERIOD 1959-2009

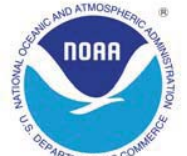


| STATE                | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN  |
|----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| ALABAMA              | 0   | 0   | 1   | 3   | 4   | 14  | 16  | 10  | 2   | 1   | 0   | 0   | 51   |
| ALASKA               | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    |
| ARIZONA              | 0   | 0   | 0   | 0   | 5   | 0   | 10  | 9   | 10  | 2   | 0   | 1   | 37   |
| ARKANSAS             | 0   | 1   | 9   | 1   | 3   | 15  | 18  | 16  | 5   | 0   | 0   | 0   | 68   |
| CALIFORNIA           | 0   | 0   | 0   | 0   | 1   | 4   | 6   | 1   | 8   | 0   | 0   | 0   | 20   |
| COLORADO             | 0   | 0   | 0   | 2   | 6   | 14  | 37  | 19  | 10  | 1   | 0   | 0   | 89   |
| CONNECTICUT          | 0   | 0   | 0   | 0   | 1   | 3   | 3   | 2   | 1   | 0   | 0   | 0   | 10   |
| DELAWARE             | 0   | 0   | 0   | 0   | 3   | 1   | 2   | 3   | 0   | 0   | 0   | 0   | 9    |
| DISTRICT OF COLUMBIA | 0   | 0   | 0   | 0   | 0   | 2   | 1   | 1   | 0   | 0   | 0   | 0   | 4    |
| FLORIDA              | 1   | 0   | 4   | 8   | 10  | 63  | 86  | 71  | 42  | 4   | 0   | 0   | 289  |
| GEORGIA              | 0   | 0   | 3   | 2   | 8   | 16  | 22  | 13  | 2   | 1   | 0   | 0   | 67   |
| HAWAII               | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 3   | 0   | 0   | 4    |
| IDAHO                | 0   | 0   | 0   | 0   | 0   | 4   | 3   | 1   | 1   | 0   | 0   | 0   | 9    |
| ILLINOIS             | 0   | 1   | 1   | 3   | 3   | 20  | 9   | 13  | 5   | 1   | 0   | 0   | 56   |
| INDIANA              | 0   | 0   | 1   | 2   | 4   | 11  | 11  | 10  | 4   | 2   | 0   | 0   | 45   |
| IOWA                 | 0   | 0   | 0   | 2   | 5   | 11  | 2   | 12  | 2   | 2   | 0   | 0   | 36   |
| KANSAS               | 0   | 0   | 0   | 4   | 4   | 6   | 7   | 3   | 1   | 1   | 3   | 0   | 29   |
| KENTUCKY             | 0   | 0   | 0   | 2   | 5   | 12  | 9   | 10  | 12  | 1   | 0   | 0   | 51   |
| LOUISIANA            | 1   | 1   | 1   | 4   | 6   | 17  | 30  | 3   | 13  | 0   | 2   | 2   | 80   |
| MAINE                | 0   | 0   | 0   | 0   | 0   | 2   | 6   | 5   | 0   | 3   | 0   | 0   | 16   |
| MARYLAND             | 0   | 0   | 0   | 0   | 2   | 6   | 8   | 7   | 2   | 1   | 0   | 81  | 107  |
| MASSACHUSETTS        | 0   | 0   | 0   | 0   | 1   | 5   | 3   | 5   | 1   | 0   | 0   | 0   | 15   |
| MICHIGAN             | 0   | 0   | 0   | 1   | 2   | 17  | 23  | 15  | 7   | 0   | 0   | 0   | 65   |
| MINNESOTA            | 0   | 0   | 0   | 1   | 3   | 10  | 7   | 11  | 2   | 1   | 0   | 0   | 35   |
| MISSISSIPPI          | 0   | 0   | 3   | 2   | 8   | 8   | 21  | 12  | 5   | 0   | 0   | 0   | 59   |
| MISSOURI             | 0   | 0   | 4   | 1   | 7   | 18  | 9   | 11  | 1   | 4   | 0   | 0   | 55   |
| MONTANA              | 0   | 0   | 0   | 0   | 1   | 5   | 10  | 0   | 1   | 0   | 0   | 0   | 17   |
| NEBRASKA             | 0   | 0   | 0   | 1   | 1   | 8   | 7   | 6   | 3   | 0   | 0   | 0   | 26   |
| NEVADA               | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 1   | 1   | 0   | 0   | 0   | 5    |
| NEW HAMPSHIRE        | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0    |
| NEW JERSEY           | 0   | 0   | 0   | 1   | 3   | 4   | 11  | 9   | 6   | 0   | 0   | 0   | 34   |
| NEW MEXICO           | 0   | 0   | 0   | 0   | 3   | 6   | 14  | 28  | 2   | 0   | 0   | 0   | 53   |
| NEW YORK             | 0   | 0   | 1   | 0   | 4   | 13  | 37  | 20  | 5   | 2   | 0   | 0   | 82   |
| NORTH CAROLINA       | 0   | 1   | 2   | 0   | 7   | 16  | 35  | 24  | 5   | 0   | 0   | 0   | 90   |
| NORTH DAKOTA         | 0   | 0   | 0   | 0   | 0   | 3   | 3   | 1   | 0   | 0   | 0   | 0   | 7    |
| OHIO                 | 0   | 1   | 0   | 4   | 6   | 19  | 22  | 15  | 9   | 2   | 2   | 0   | 80   |
| OKLAHOMA             | 1   | 0   | 0   | 4   | 6   | 8   | 9   | 17  | 10  | 2   | 0   | 0   | 57   |
| OREGON               | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 3    |
| PENNSYLVANIA         | 0   | 0   | 0   | 1   | 2   | 16  | 23  | 16  | 8   | 2   | 0   | 0   | 68   |
| PUERTO RICO          | 0   | 0   | 0   | 0   | 0   | 1   | 2   | 6   | 0   | 0   | 0   | 0   | 9    |
| RHODE ISLAND         | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 1   | 2   | 0   | 0   | 0   | 5    |
| SOUTH CAROLINA       | 1   | 0   | 1   | 0   | 3   | 9   | 16  | 14  | 9   | 0   | 0   | 0   | 53   |
| SOUTH DAKOTA         | 0   | 0   | 0   | 0   | 4   | 3   | 3   | 1   | 2   | 2   | 0   | 0   | 15   |
| TENNESSEE            | 0   | 1   | 0   | 6   | 8   | 24  | 19  | 15  | 14  | 2   | 1   | 0   | 90   |
| TEXAS                | 0   | 3   | 3   | 10  | 20  | 14  | 29  | 22  | 14  | 4   | 0   | 0   | 119  |
| UTAH                 | 0   | 0   | 0   | 1   | 1   | 4   | 9   | 8   | 4   | 2   | 0   | 0   | 29   |
| VERMONT              | 0   | 0   | 0   | 0   | 0   | 1   | 3   | 2   | 0   | 0   | 0   | 0   | 6    |
| VIRGINIA             | 0   | 0   | 0   | 1   | 1   | 6   | 10  | 9   | 3   | 0   | 0   | 0   | 30   |
| WASHINGTON           | 0   | 0   | 0   | 1   | 0   | 1   | 1   | 0   | 1   | 0   | 0   | 0   | 4    |
| WEST VIRGINIA        | 0   | 0   | 0   | 0   | 3   | 4   | 6   | 4   | 1   | 0   | 0   | 0   | 18   |
| WISCONSIN            | 0   | 0   | 1   | 1   | 0   | 7   | 10  | 14  | 2   | 0   | 0   | 1   | 36   |
| WYOMING              | 0   | 0   | 0   | 0   | 0   | 5   | 7   | 5   | 3   | 0   | 0   | 0   | 20   |
| TOTAL: UNITED STATES | 4   | 9   | 35  | 69  | 167 | 459 | 637 | 501 | 243 | 46  | 8   | 85  | 2263 |





# TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR PERIOD 1959-2009



| STATE                | JAN | FEB | MAR | APR | MAY | JUN  | JUL  | AUG  | SEP | OCT | NOV | DEC | ANN  |
|----------------------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|------|
| ALABAMA              | 1   | 4   | 11  | 5   | 22  | 36   | 81   | 43   | 19  | 4   | 1   | 1   | 228  |
| ALASKA               | 0   | 0   | 0   | 0   | 2   | 0    | 1    | 1    | 0   | 0   | 0   | 0   | 4    |
| ARIZONA              | 0   | 2   | 0   | 0   | 4   | 8    | 22   | 49   | 26  | 10  | 1   | 3   | 125  |
| ARKANSAS             | 1   | 2   | 4   | 7   | 14  | 27   | 27   | 43   | 10  | 0   | 1   | 2   | 138  |
| CALIFORNIA           | 2   | 1   | 7   | 2   | 1   | 7    | 20   | 8    | 21  | 1   | 2   | 1   | 73   |
| COLORADO             | 0   | 0   | 0   | 4   | 36  | 103  | 122  | 100  | 24  | 5   | 0   | 0   | 394  |
| CONNECTICUT          | 1   | 1   | 2   | 1   | 7   | 14   | 19   | 10   | 20  | 3   | 1   | 0   | 79   |
| DELAWARE             | 0   | 0   | 0   | 0   | 7   | 6    | 3    | 2    | 1   | 0   | 0   | 0   | 19   |
| DISTRICT OF COLUMBIA | 0   | 0   | 0   | 0   | 0   | 13   | 0    | 1    | 0   | 0   | 1   | 0   | 15   |
| FLORIDA              | 1   | 3   | 24  | 25  | 62  | 250  | 400  | 259  | 162 | 42  | 3   | 2   | 1233 |
| GEORGIA              | 3   | 53  | 4   | 5   | 34  | 75   | 108  | 73   | 20  | 5   | 0   | 1   | 381  |
| HAWAII               | 0   | 1   | 0   | 0   | 0   | 0    | 0    | 4    | 0   | 0   | 3   | 0   | 8    |
| IDAHO                | 0   | 0   | 0   | 0   | 0   | 18   | 12   | 13   | 6   | 1   | 0   | 0   | 50   |
| ILLINOIS             | 1   | 1   | 1   | 3   | 16  | 41   | 35   | 51   | 28  | 7   | 0   | 0   | 184  |
| INDIANA              | 0   | 1   | 2   | 1   | 19  | 45   | 40   | 32   | 17  | 0   | 0   | 0   | 157  |
| IOWA                 | 0   | 1   | 1   | 8   | 18  | 30   | 16   | 14   | 7   | 1   | 0   | 0   | 96   |
| KANSAS               | 0   | 0   | 5   | 6   | 10  | 21   | 32   | 23   | 29  | 2   | 2   | 0   | 130  |
| KENTUCKY             | 0   | 0   | 1   | 4   | 12  | 21   | 43   | 19   | 8   | 1   | 0   | 0   | 109  |
| LOUISIANA            | 4   | 1   | 8   | 26  | 17  | 23   | 43   | 30   | 12  | 7   | 2   | 2   | 175  |
| MAINE                | 0   | 14  | 0   | 0   | 4   | 19   | 45   | 22   | 0   | 0   | 1   | 0   | 105  |
| MARYLAND             | 1   | 0   | 1   | 2   | 6   | 35   | 38   | 31   | 4   | 3   | 0   | 0   | 121  |
| MASSACHUSETTS        | 1   | 0   | 0   | 1   | 16  | 61   | 109  | 64   | 27  | 0   | 0   | 1   | 280  |
| MICHIGAN             | 0   | 0   | 2   | 10  | 27  | 81   | 132  | 68   | 31  | 9   | 2   | 0   | 362  |
| MINNESOTA            | 0   | 0   | 1   | 3   | 10  | 19   | 50   | 19   | 5   | 7   | 0   | 0   | 114  |
| MISSISSIPPI          | 2   | 0   | 4   | 3   | 14  | 11   | 55   | 16   | 9   | 3   | 7   | 1   | 125  |
| MISSOURI             | 0   | 1   | 1   | 10  | 6   | 25   | 13   | 20   | 8   | 16  | 4   | 0   | 104  |
| MONTANA              | 0   | 0   | 0   | 0   | 4   | 11   | 10   | 7    | 4   | 1   | 0   | 0   | 37   |
| NEBRASKA             | 0   | 0   | 0   | 6   | 15  | 7    | 10   | 13   | 3   | 0   | 0   | 0   | 54   |
| NEVADA               | 0   | 0   | 0   | 0   | 3   | 2    | 9    | 6    | 1   | 0   | 0   | 0   | 21   |
| NEW HAMPSHIRE        | 0   | 0   | 1   | 0   | 2   | 13   | 49   | 43   | 0   | 3   | 0   | 0   | 111  |
| NEW JERSEY           | 1   | 0   | 0   | 3   | 19  | 20   | 40   | 51   | 21  | 0   | 0   | 0   | 155  |
| NEW MEXICO           | 0   | 0   | 0   | 1   | 3   | 12   | 61   | 62   | 6   | 1   | 0   | 0   | 146  |
| NEW YORK             | 0   | 0   | 1   | 1   | 26  | 102  | 135  | 130  | 29  | 7   | 1   | 0   | 432  |
| NORTH CAROLINA       | 2   | 5   | 19  | 6   | 22  | 95   | 144  | 127  | 25  | 2   | 1   | 0   | 448  |
| NORTH DAKOTA         | 0   | 0   | 0   | 0   | 2   | 1    | 6    | 3    | 3   | 0   | 0   | 0   | 15   |
| OHIO                 | 0   | 0   | 3   | 5   | 35  | 100  | 70   | 99   | 59  | 4   | 12  | 0   | 387  |
| OKLAHOMA             | 6   | 0   | 1   | 7   | 19  | 25   | 39   | 36   | 29  | 21  | 8   | 2   | 193  |
| OREGON               | 0   | 0   | 0   | 2   | 2   | 4    | 0    | 11   | 1   | 0   | 0   | 1   | 21   |
| PENNSYLVANIA         | 1   | 1   | 0   | 0   | 33  | 137  | 148  | 70   | 45  | 3   | 0   | 0   | 438  |
| PUERTO RICO          | 0   | 0   | 0   | 0   | 0   | 0    | 0    | 2    | 0   | 0   | 0   | 0   | 2    |
| RHODE ISLAND         | 0   | 0   | 0   | 1   | 0   | 4    | 5    | 19   | 3   | 0   | 1   | 0   | 33   |
| SOUTH CAROLINA       | 1   | 0   | 0   | 6   | 13  | 24   | 67   | 37   | 17  | 0   | 1   | 0   | 166  |
| SOUTH DAKOTA         | 0   | 0   | 0   | 3   | 3   | 12   | 16   | 10   | 1   | 2   | 0   | 0   | 47   |
| TENNESSEE            | 2   | 3   | 7   | 25  | 36  | 16   | 91   | 51   | 9   | 6   | 2   | 0   | 248  |
| TEXAS                | 2   | 5   | 7   | 8   | 44  | 49   | 73   | 60   | 86  | 10  | 3   | 2   | 349  |
| UTAH                 | 0   | 0   | 0   | 1   | 8   | 18   | 14   | 20   | 7   | 3   | 0   | 0   | 71   |
| VERMONT              | 0   | 0   | 0   | 0   | 0   | 5    | 6    | 2    | 0   | 0   | 0   | 0   | 13   |
| VIRGINIA             | 0   | 0   | 5   | 4   | 9   | 37   | 73   | 30   | 9   | 0   | 0   | 0   | 167  |
| WASHINGTON           | 0   | 0   | 0   | 1   | 2   | 18   | 5    | 15   | 2   | 0   | 1   | 1   | 45   |
| WEST VIRGINIA        | 0   | 0   | 8   | 10  | 1   | 14   | 41   | 36   | 0   | 1   | 0   | 0   | 111  |
| WISCONSIN            | 0   | 1   | 1   | 7   | 10  | 59   | 67   | 44   | 7   | 4   | 0   | 0   | 200  |
| WYOMING              | 0   | 0   | 0   | 1   | 2   | 35   | 18   | 16   | 8   | 0   | 0   | 0   | 80   |
| TOTAL: UNITED STATES | 33  | 101 | 132 | 224 | 678 | 1809 | 2663 | 2015 | 869 | 195 | 61  | 20  | 8800 |



## NATIONAL TOTAL LIGHTNING DEATHS BY YEAR FOR PERIOD 1959-2009

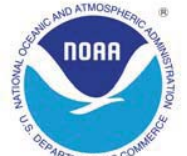


| YEAR  | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN  |
|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| 1959  | 0   | 0   | 0   | 1   | 8   | 13  | 27  | 11  | 10  | 5   | 0   | 0   | 75   |
| 1960  | 0   | 0   | 0   | 2   | 0   | 19  | 12  | 8   | 7   | 0   | 0   | 0   | 48   |
| 1961  | 0   | 0   | 0   | 1   | 1   | 18  | 25  | 8   | 8   | 0   | 0   | 0   | 61   |
| 1962  | 0   | 0   | 0   | 1   | 4   | 7   | 14  | 16  | 5   | 1   | 0   | 0   | 48   |
| 1963  | 0   | 0   | 4   | 1   | 2   | 26  | 16  | 12  | 7   | 1   | 0   | 81* | 150  |
| 1964  | 0   | 0   | 9   | 2   | 2   | 8   | 10  | 10  | 7   | 1   | 0   | 0   | 49   |
| 1965  | 0   | 0   | 2   | 3   | 6   | 19  | 16  | 9   | 2   | 0   | 0   | 0   | 57   |
| 1966  | 0   | 0   | 1   | 0   | 0   | 7   | 12  | 10  | 7   | 2   | 0   | 0   | 39   |
| 1967  | 0   | 0   | 1   | 1   | 1   | 6   | 10  | 6   | 1   | 0   | 0   | 1   | 27   |
| 1968  | 0   | 0   | 0   | 0   | 4   | 10  | 14  | 12  | 7   | 3   | 0   | 1   | 51   |
| 1969  | 0   | 0   | 0   | 3   | 2   | 6   | 15  | 6   | 11  | 3   | 0   | 0   | 46   |
| 1970  | 0   | 0   | 0   | 0   | 7   | 14  | 12  | 5   | 11  | 1   | 0   | 0   | 50   |
| 1971  | 0   | 0   | 1   | 0   | 4   | 16  | 15  | 9   | 17  | 0   | 0   | 0   | 62   |
| 1972  | 0   | 0   | 1   | 1   | 2   | 14  | 14  | 19  | 0   | 0   | 0   | 0   | 51   |
| 1973  | 0   | 1   | 0   | 1   | 4   | 10  | 17  | 7   | 7   | 2   | 1   | 0   | 50   |
| 1974  | 0   | 1   | 0   | 5   | 4   | 16  | 18  | 10  | 3   | 0   | 1   | 0   | 58   |
| 1975  | 0   | 0   | 1   | 0   | 2   | 8   | 16  | 5   | 5   | 1   | 0   | 0   | 38   |
| 1976  | 0   | 0   | 0   | 1   | 4   | 5   | 9   | 10  | 3   | 2   | 0   | 0   | 34   |
| 1977  | 0   | 0   | 0   | 1   | 4   | 8   | 7   | 31  | 8   | 0   | 0   | 0   | 59   |
| 1978  | 0   | 0   | 0   | 0   | 0   | 9   | 16  | 15  | 3   | 1   | 0   | 0   | 44   |
| 1979  | 0   | 0   | 0   | 0   | 4   | 0   | 7   | 7   | 4   | 2   | 0   | 0   | 24   |
| 1980  | 0   | 0   | 0   | 0   | 3   | 9   | 14  | 11  | 2   | 0   | 0   | 0   | 39   |
| 1981  | 0   | 0   | 0   | 4   | 2   | 9   | 4   | 15  | 5   | 0   | 1   | 0   | 40   |
| 1982  | 1   | 0   | 0   | 1   | 1   | 4   | 11  | 12  | 2   | 1   | 0   | 0   | 33   |
| 1983  | 0   | 0   | 1   | 2   | 2   | 6   | 15  | 16  | 5   | 1   | 1   | 0   | 49   |
| 1984  | 0   | 0   | 0   | 1   | 3   | 5   | 12  | 6   | 5   | 0   | 1   | 0   | 33   |
| 1985  | 0   | 0   | 0   | 2   | 5   | 7   | 13  | 3   | 4   | 0   | 0   | 0   | 34   |
| 1986  | 0   | 0   | 0   | 2   | 4   | 4   | 9   | 11  | 2   | 0   | 0   | 0   | 32   |
| 1987  | 0   | 0   | 0   | 0   | 6   | 6   | 15  | 7   | 0   | 1   | 0   | 0   | 35   |
| 1988  | 0   | 0   | 0   | 0   | 3   | 2   | 9   | 12  | 1   | 1   | 2   | 0   | 30   |
| 1989  | 0   | 0   | 0   | 1   | 5   | 3   | 4   | 7   | 2   | 1   | 0   | 0   | 23   |
| 1990  | 0   | 0   | 2   | 0   | 2   | 9   | 10  | 7   | 9   | 0   | 0   | 0   | 39   |
| 1991  | 0   | 0   | 0   | 1   | 2   | 6   | 13  | 11  | 3   | 0   | 0   | 0   | 36   |
| 1992  | 0   | 0   | 0   | 2   | 1   | 3   | 6   | 8   | 5   | 0   | 0   | 0   | 25   |
| 1993  | 0   | 0   | 0   | 0   | 5   | 2   | 4   | 5   | 4   | 0   | 0   | 0   | 20   |
| 1994  | 0   | 0   | 0   | 1   | 4   | 3   | 13  | 6   | 4   | 1   | 0   | 0   | 32   |
| 1995  | 0   | 0   | 0   | 4   | 4   | 3   | 16  | 9   | 7   | 0   | 0   | 0   | 43   |
| 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   | 4   | 0   | 1   | 13  | 15  | 12  | 4   | 2   | 0   | 0   | 51   |
| 2001  | 0   | 2   | 2   | 4   | 3   | 7   | 6   | 11  | 12  | 0   | 0   | 0   | 47   |
| 2002  | 0   | 1   | 0   | 0   | 3   | 9   | 17  | 19  | 2   | 0   | 0   | 0   | 51   |
| 2003  | 0   | 1   | 0   | 3   | 2   | 4   | 14  | 13  | 5   | 2   | 0   | 0   | 44   |
| 2004  | 0   | 0   | 0   | 1   | 8   | 6   | 9   | 5   | 4   | 0   | 0   | 0   | 33   |
| 2005  | 0   | 1   | 0   | 2   | 1   | 10  | 12  | 7   | 2   | 3   | 0   | 0   | 38   |
| 2006  | 1   | 0   | 1   | 3   | 4   | 8   | 16  | 8   | 4   | 1   | 0   | 0   | 46   |
| 2007  | 0   | 0   | 1   | 1   | 5   | 12  | 10  | 9   | 5   | 2   | 0   | 0   | 45   |
| 2008  | 1   | 1   | 0   | 0   | 2   | 9   | 14  | 0   | 0   | 0   | 0   | 0   | 27   |
| 2009  | 0   | 0   | 1   | 1   | 2   | 12  | 10  | 3   | 4   | 1   | 0   | 0   | 34   |
| TOTAL | 4   | 10  | 35  | 70  | 167 | 458 | 637 | 502 | 246 | 42  | 8   | 85  | 2264 |
| MEAN  | 0   | 0   | 1   | 1   | 3   | 9   | 12  | 10  | 5   | 1   | 0   | 2   | 44   |

\* 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 1959-2009



| YEAR  | JAN | FEB | MAR | APR | MAY | JUN  | JUL  | AUG  | SEP | OCT | NOV | DEC | ANN  |
|-------|-----|-----|-----|-----|-----|------|------|------|-----|-----|-----|-----|------|
| 1959  | 0   | 0   | 0   | 1   | 14  | 31   | 40   | 26   | 18  | 3   | 1   | 0   | 134  |
| 1960  | 0   | 0   | 0   | 2   | 0   | 29   | 11   | 27   | 13  | 6   | 3   | 0   | 91   |
| 1961  | 0   | 0   | 5   | 1   | 8   | 40   | 48   | 35   | 26  | 1   | 1   | 1   | 166  |
| 1962  | 0   | 0   | 0   | 1   | 8   | 13   | 48   | 20   | 5   | 5   | 0   | 0   | 100  |
| 1963  | 0   | 0   | 0   | 1   | 6   | 54   | 22   | 27   | 18  | 1   | 0   | 0   | 129  |
| 1964  | 0   | 0   | 7   | 3   | 2   | 11   | 31   | 33   | 7   | 0   | 1   | 0   | 95   |
| 1965  | 1   | 2   | 0   | 0   | 8   | 28   | 29   | 31   | 14  | 0   | 0   | 0   | 113  |
| 1966  | 0   | 1   | 0   | 0   | 2   | 22   | 25   | 28   | 12  | 1   | 0   | 0   | 91   |
| 1967  | 0   | 0   | 0   | 1   | 5   | 20   | 22   | 8    | 3   | 1   | 0   | 1   | 61   |
| 1968  | 0   | 0   | 1   | 0   | 8   | 26   | 48   | 28   | 11  | 9   | 1   | 0   | 132  |
| 1969  | 0   | 0   | 0   | 4   | 6   | 29   | 19   | 14   | 6   | 0   | 0   | 1   | 79   |
| 1970  | 0   | 0   | 1   | 0   | 13  | 30   | 35   | 23   | 33  | 4   | 1   | 0   | 140  |
| 1971  | 0   | 1   | 0   | 0   | 6   | 34   | 30   | 28   | 17  | 1   | 1   | 0   | 118  |
| 1972  | 0   | 0   | 4   | 4   | 6   | 16   | 20   | 34   | 3   | 2   | 1   | 0   | 90   |
| 1973  | 0   | 0   | 9   | 1   | 7   | 11   | 24   | 38   | 23  | 9   | 1   | 0   | 123  |
| 1974  | 1   | 2   | 0   | 2   | 1   | 15   | 28   | 25   | 9   | 1   | 0   | 0   | 84   |
| 1975  | 0   | 0   | 0   | 0   | 9   | 10   | 49   | 24   | 22  | 1   | 0   | 0   | 115  |
| 1976  | 0   | 1   | 0   | 4   | 6   | 19   | 27   | 29   | 3   | 1   | 0   | 1   | 91   |
| 1977  | 0   | 0   | 0   | 0   | 5   | 19   | 26   | 46   | 41  | 0   | 1   | 0   | 138  |
| 1978  | 0   | 0   | 0   | 1   | 2   | 19   | 28   | 20   | 39  | 5   | 0   | 0   | 114  |
| 1979  | 0   | 0   | 2   | 4   | 9   | 9    | 27   | 22   | 4   | 2   | 0   | 0   | 79   |
| 1980  | 0   | 1   | 1   | 8   | 4   | 25   | 29   | 102  | 16  | 0   | 0   | 0   | 186  |
| 1981  | 0   | 0   | 1   | 4   | 19  | 23   | 80   | 39   | 5   | 1   | 12  | 0   | 184  |
| 1982  | 1   | 0   | 2   | 3   | 4   | 8    | 12   | 16   | 8   | 4   | 4   | 1   | 63   |
| 1983  | 0   | 0   | 23  | 3   | 11  | 8    | 43   | 73   | 12  | 30  | 0   | 0   | 203  |
| 1984  | 0   | 0   | 1   | 4   | 5   | 26   | 57   | 22   | 40  | 0   | 1   | 0   | 156  |
| 1985  | 0   | 0   | 0   | 2   | 33  | 38   | 29   | 24   | 23  | 0   | 0   | 0   | 149  |
| 1986  | 0   | 2   | 4   | 1   | 9   | 24   | 43   | 25   | 11  | 1   | 0   | 0   | 120  |
| 1987  | 0   | 0   | 0   | 4   | 11  | 31   | 49   | 60   | 31  | 2   | 1   | 1   | 190  |
| 1988  | 0   | 0   | 0   | 1   | 16  | 7    | 69   | 47   | 2   | 4   | 0   | 0   | 146  |
| 1989  | 0   | 0   | 4   | 5   | 10  | 26   | 83   | 35   | 6   | 4   | 2   | 0   | 175  |
| 1990  | 0   | 0   | 2   | 2   | 8   | 20   | 64   | 31   | 24  | 1   | 0   | 0   | 152  |
| 1991  | 0   | 0   | 0   | 9   | 12  | 52   | 61   | 48   | 24  | 1   | 0   | 0   | 207  |
| 1992  | 0   | 0   | 2   | 4   | 30  | 8    | 50   | 37   | 24  | 6   | 0   | 0   | 161  |
| 1993  | 1   | 0   | 0   | 1   | 9   | 45   | 55   | 23   | 11  | 1   | 0   | 1   | 147  |
| 1994  | 0   | 1   | 0   | 21  | 27  | 33   | 96   | 69   | 23  | 13  | 4   | 1   | 288  |
| 1995  | 4   | 1   | 3   | 16  | 18  | 25   | 96   | 50   | 17  | 0   | 3   | 0   | 233  |
| 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   | 52  | 6   | 6   | 28  | 90   | 66   | 70   | 34  | 12  | 0   | 0   | 364  |
| 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  |
| 2003  | 0   | 7   | 9   | 7   | 13  | 20   | 70   | 92   | 16  | 0   | 1   | 1   | 236  |
| 2004  | 0   | 0   | 2   | 4   | 34  | 74   | 68   | 51   | 43  | 1   | 0   | 1   | 278  |
| 2005  | 2   | 3   | 5   | 2   | 11  | 94   | 97   | 73   | 12  | 5   | 3   | 2   | 309  |
| 2006  | 1   | 1   | 0   | 7   | 29  | 52   | 100  | 34   | 17  | 4   | 0   | 0   | 245  |
| 2007  | 0   | 2   | 2   | 3   | 8   | 46   | 38   | 23   | 10  | 5   | 0   | 1   | 138  |
| 2008  | 3   | 1   | 0   | 5   | 11  | 71   | 78   | 15   | 16  | 15  | 0   | 1   | 216  |
| 2009  | 0   | 4   | 3   | 2   | 23  | 22   | 97   | 37   | 10  | 0   | 3   | 0   | 201  |
| TOTAL | 33  | 101 | 132 | 225 | 677 | 1809 | 2663 | 2014 | 870 | 194 | 61  | 20  | 8799 |
| MEAN  | 1   | 2   | 3   | 4   | 13  | 35   | 52   | 39   | 17  | 4   | 1   | 0   | 173  |



# **LIGHTNING DEATHS BY STATE, RANK, AND LOCATION OF OCCURRENCE** **1959-2009**



**2009**

|                  | RANK | OPEN FIELDS, BALL PARKS AND OPEN SPACES |    | UNDER TREES |    | BOATING, FISHING AND WATER RELATED |    | NEAR TRACTORS HEAVY ROAD EQUIPMENT |    | GOLF COURSES |    | AT TELEPHONES |   | VARIOUS OTHER AND UNKNOWN LOCATIONS |    |  | OPEN FIELDS, BALL PARKS AND OPEN SPACES |     | UNDER TREES |     | BOATING, FISHING AND WATER RELATED |     | NEAR TRACTORS HEAVY ROAD EQUIPMENT |    | GOLF COURSES |    | AT TELEPHONES |   | VARIOUS OTHER AND UNKNOWN LOCATIONS |   |
|------------------|------|---|----|-------------|----|------------------------------------|----|------------------------------------|----|--------------|----|---------------|---|-------------------------------------|----|--|---|-----|-------------|-----|------------------------------------|-----|------------------------------------|----|--------------|----|---------------|---|-------------------------------------|---|
| STATE            |      | NO.                                     | %  | NO.         | %  | NO.                                | %  | NO.                                | %  | NO.          | %  | NO.           | % | NO.                                 | %  |  | NO.                                     | %   | NO.         | %   | NO.                                | %   | NO.                                | %  | NO.          | %  | NO.           | % | NO.                                 | % |
| ALABAMA          | 20   | 11                                      | 22 | 14          | 27 | 11                                 | 22 | 1                                  | 2  | 0            | 0  | 0             | 0 | 14                                  | 27 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 1 | 100                                 |   |
| ALASKA           | 56   | 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                                   |   |
| ARIZONA          | 23   | 18                                      | 49 | 2           | 5  | 3                                  | 8  | 1                                  | 3  | 3            | 8  | 2             | 5 | 8                                   | 22 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| ARKANSAS         | 11   | 23                                      | 34 | 12          | 18 | 3                                  | 4  | 5                                  | 7  | 2            | 3  | 0             | 0 | 23                                  | 34 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| CALIFORNIA       | 33   | 5                                       | 25 | 4           | 20 | 1                                  | 5  | 3                                  | 15 | 0            | 0  | 0             | 0 | 7                                   | 35 |  | 0                                       | 0   | 1           | 50  | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 1 | 50                                  |   |
| COLORADO         | 6    | 39                                      | 44 | 17          | 19 | 4                                  | 4  | 3                                  | 3  | 6            | 7  | 0             | 0 | 20                                  | 22 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| CONNECTICUT      | 42   | 3                                       | 33 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 1            | 11 | 0             | 0 | 5                                   | 56 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| DELAWARE         | 41   | 4                                       | 44 | 0           | 0  | 3                                  | 33 | 0                                  | 0  | 0            | 0  | 0             | 0 | 2                                   | 22 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| DIST OF COLUMBIA | 49   | 1                                       | 25 | 2           | 50 | 0                                  | 0  | 0                                  | 0  | 1            | 25 | 0             | 0 | 0                                   | 0  |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| FLORIDA          | 1    | 82                                      | 28 | 38          | 13 | 76                                 | 26 | 23                                 | 8  | 12           | 4  | 0             | 0 | 58                                  | 20 |  | 2                                       | 40  | 0           | 0   | 2                                  | 40  | 0                                  | 0  | 1            | 20 | 0             | 0 | 0                                   | 0 |
| GEORGIA          | 12   | 25                                      | 37 | 15          | 22 | 8                                  | 12 | 6                                  | 9  | 2            | 3  | 1             | 1 | 10                                  | 15 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| HAWAII           | 55   | 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                                   |   |
| IDAHO            | 40   | 1                                       | 11 | 1           | 11 | 1                                  | 11 | 5                                  | 56 | 1            | 11 | 0             | 0 | 0                                   | 0  |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| ILLINOIS         | 16   | 15                                      | 27 | 14          | 25 | 3                                  | 5  | 4                                  | 7  | 4            | 7  | 1             | 2 | 15                                  | 27 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| INDIANA          | 22   | 10                                      | 22 | 17          | 38 | 3                                  | 7  | 3                                  | 7  | 1            | 2  | 0             | 0 | 11                                  | 24 |  | 0                                       | 0   | 0           | 0   | 1                                  | 100 | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| IOWA             | 25   | 6                                       | 17 | 1           | 3  | 1                                  | 3  | 5                                  | 14 | 2            | 6  | 0             | 0 | 21                                  | 58 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| KANSAS           | 30   | 13                                      | 45 | 1           | 3  | 4                                  | 14 | 3                                  | 10 | 0            | 0  | 0             | 0 | 8                                   | 28 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| KENTUCKY         | 21   | 14                                      | 28 | 5           | 10 | 2                                  | 4  | 2                                  | 4  | 2            | 4  | 1             | 2 | 24                                  | 48 |  | 0                                       | 0   | 1           | 100 | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| LOUISIANA        | 9    | 8                                       | 10 | 26          | 33 | 21                                 | 26 | 7                                  | 9  | 0            | 0  | 0             | 0 | 18                                  | 23 |  | 0                                       | 0   | 0           | 1   | 100                                | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MAINE            | 36   | 2                                       | 13 | 1           | 6  | 6                                  | 38 | 0                                  | 0  | 0            | 0  | 0             | 0 | 7                                   | 44 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MARYLAND         | 3    | 8                                       | 7  | 4           | 4  | 10                                 | 9  | 1                                  | 1  | 0            | 0  | 1             | 1 | 83                                  | 78 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MASSACHUSETTS    | 38   | 4                                       | 27 | 2           | 13 | 1                                  | 7  | 0                                  | 0  | 1            | 7  | 1             | 7 | 6                                   | 40 |  | 0                                       | 0   | 0           | 0   | 1                                  | 100 | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MICHIGAN         | 13   | 17                                      | 26 | 19          | 29 | 8                                  | 12 | 3                                  | 5  | 6            | 9  | 2             | 3 | 10                                  | 15 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MINNESOTA        | 26   | 14                                      | 40 | 8           | 23 | 4                                  | 11 | 3                                  | 9  | 2            | 6  | 1             | 3 | 3                                   | 9  |  | 1                                       | 50  | 1           | 50  | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MISSISSIPPI      | 14   | 18                                      | 31 | 15          | 25 | 8                                  | 14 | 4                                  | 7  | 0            | 0  | 1             | 2 | 13                                  | 22 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| MISSOURI         | 17   | 13                                      | 24 | 9           | 16 | 8                                  | 15 | 5                                  | 9  | 2            | 4  | 1             | 2 | 17                                  | 31 |  | 1                                       | 50  | 0           | 0   | 0                                  | 0   | 1                                  | 50 | 0            | 0  | 0             | 0 | 0                                   |   |
| MONTANA          | 35   | 7                                       | 41 | 2           | 12 | 2                                  | 12 | 4                                  | 24 | 0            | 0  | 0             | 0 | 2                                   | 12 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NEBRASKA         | 31   | 12                                      | 46 | 2           | 8  | 2                                  | 8  | 6                                  | 23 | 0            | 0  | 0             | 0 | 4                                   | 15 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NEVADA           | 46   | 1                                       | 20 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 1            | 20 | 0             | 0 | 3                                   | 60 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NEW HAMPSHIRE    | 54   | 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                                   |   |
| NEW JERSEY       | 27   | 11                                      | 32 | 8           | 24 | 7                                  | 21 | 0                                  | 0  | 2            | 6  | 0             | 0 | 6                                   | 18 |  | 0                                       | 0   | 1           | 100 | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NEW MEXICO       | 19   | 27                                      | 51 | 7           | 13 | 3                                  | 6  | 0                                  | 0  | 0            | 0  | 2             | 4 | 14                                  | 26 |  | 1                                       | 50  | 1           | 50  | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NEW YORK         | 7    | 13                                      | 16 | 17          | 21 | 10                                 | 12 | 3                                  | 4  | 5            | 6  | 0             | 0 | 34                                  | 41 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NORTH CAROLINA   | 5    | 20                                      | 22 | 15          | 17 | 12                                 | 13 | 4                                  | 4  | 2            | 2  | 0             | 0 | 37                                  | 41 |  | 1                                       | 33  | 0           | 0   | 2                                  | 67  | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |
| NORTH DAKOTA     | 43   | 2                                       | 29 | 0           | 0  | 0                                  | 0  | 3                                  | 43 | 0            | 0  | 0             | 0 | 2                                   | 29 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0   | 0                                  | 0  | 0            | 0  | 0             | 0 | 0                                   |   |

\* 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.



# **LIGHTNING DEATHS BY STATE, RANK, AND LOCATION OF OCCURRENCE** **1959-2009** **2009**

|                | RANK | OPEN FIELDS,<br>BALL PARKS AND<br>OPEN SPACES |    | UNDER TREES |    | BOATING, FISHING<br>AND WATER<br>RELATED |    | NEAR TRACTORS<br>HEAVY ROAD<br>EQUIPMENT |    | GOLF<br>COURSES |    | AT TELEPHONES |   | VARIOUS OTHER<br>AND UNKNOWN<br>LOCATIONS |    |  | OPEN FIELDS,<br>BALL PARKS AND<br>OPEN SPACES |     | UNDER TREES |    | BOATING, FISHING<br>AND WATER<br>RELATED |    | NEAR TRACTORS<br>HEAVY ROAD<br>EQUIPMENT |   | GOLF<br>COURSES |   | AT TELEPHONES |   | VARIOUS OTHER<br>AND UNKNOWN<br>LOCATIONS |   |
|----------------|------|---|----|-------------|----|--|----|--|----|-----------------|----|---------------|---|---|----|--|---|-----|-------------|----|--|----|--|---|-----------------|---|---------------|---|---|---|
| STATE          |      | NO.   | %  | NO.         | %  | NO.                                      | %  | NO.                                      | %  | NO.             | %  | NO.           | % | NO.                                       | %  |  | NO.   | %   | NO.         | %  | NO.                                      | %  | NO.                                      | % | NO.             | % | NO.           | % | NO.                                       | % |
| OHIO           | 8    | 23  | 29 | 11          | 14 | 9  | 11 | 8  | 10 | 7               | 9  | 1             | 1 | 21  | 26 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| OKLAHOMA       | 15   | 22  | 39 | 5           | 9  | 15                                       | 26 | 4  | 7  | 0               | 0  | 2             | 4 | 9   | 16 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| OREGON         | 50   | 1   | 33 | 1           | 33 | 0  | 0  | 0  | 0  | 0               | 0  | 0             | 0 | 1   | 33 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| PENNSYLVANIA   | 10   | 27  | 40 | 7           | 10 | 2  | 3  | 2  | 3  | 5               | 7  | 0             | 0 | 25  | 37 |  | 1   | 100 | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| PUERTO RICO    | 39   | 4   | 44 | 2           | 22 | 1  | 11 | 0  | 0  | 0               | 0  | 0             | 0 | 2   | 22 |  | 1   | 100 | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| RHODE ISLAND   | 45   | 0   | 0  | 0           | 0  | 2  | 40 | 0  | 0  | 0               | 0  | 0             | 0 | 3   | 60 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| SOUTH CAROLINA | 18   | 10  | 19 | 16          | 30 | 10                                       | 19 | 6  | 11 | 2               | 4  | 1             | 2 | 8   | 15 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| SOUTH DAKOTA   | 37   | 3   | 20 | 1           | 7  | 4  | 27 | 5  | 33 | 1               | 7  | 0             | 0 | 1   | 7  |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| TENNESSEE      | 4    | 23  | 26 | 24          | 27 | 5  | 6  | 8  | 9  | 5               | 6  | 1             | 1 | 24  | 27 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| TEXAS          | 2    | 41  | 34 | 23          | 19 | 20                                       | 17 | 11                                       | 9  | 3               | 3  | 0             | 0 | 21  | 18 |  | 1   | 33  | 0           | 0  | 2  | 67 | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| UTAH           | 29   | 14  | 48 | 8           | 28 | 1  | 3  | 2  | 7  | 0               | 0  | 0             | 0 | 4   | 14 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| VERMONT        | 44   | 2   | 33 | 1           | 17 | 0  | 0  | 0  | 0  | 1               | 17 | 0             | 0 | 2   | 33 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| VIRGINIA       | 28   | 13  | 43 | 5           | 17 | 1  | 3  | 3  | 10 | 1               | 3  | 0             | 0 | 7   | 23 |  | 1   | 100 | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| WASHINGTON     | 48   | 2   | 50 | 1           | 25 | 0  | 0  | 1  | 25 | 0               | 0  | 0             | 0 | 0   | 0  |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| WEST VIRGINIA  | 34   | 4   | 22 | 6           | 33 | 1  | 6  | 1  | 6  | 0               | 0  | 0             | 0 | 6   | 33 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| WISCONSIN      | 24   | 14  | 39 | 4           | 11 | 6  | 17 | 2  | 6  | 3               | 8  | 0             | 0 | 7   | 19 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| WYOMING        | 32   | 12  | 60 | 1           | 5  | 2  | 10 | 0  | 0  | 0               | 0  | 0             | 0 | 5   | 25 |  | 0   | 0   | 0           | 0  | 0  | 0  | 0  | 0 | 0               | 0 | 0             | 0 | 0   | 0 |
| UNITED STATES  | 0    | 664   | 29 | 394         | 17 | 304                                      | 13 | 162                                      | 7  | 86              | 4  | 19            | 1 | 634                                       | 28 |  | 16  | 47  | 5           | 15 | 9  | 26 | 1  | 3 | 1               | 3 | 0             | 0 | 2   | 6 |



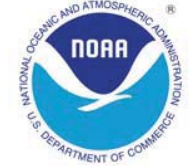
# **LIGHTNING INJURIES BY STATE, RANK, AND LOCATION OF OCCURRENCE** **1959-2009**



**2009**

|                  | RANK | OPEN FIELDS, BALL PARKS AND OPEN SPACES |    | UNDER TREES |    | BOATING, FISHING AND WATER RELATED |    | NEAR TRACTORS HEAVY ROAD EQUIPMENT |    | GOLF COURSES |    | AT TELEPHONES |    | VARIOUS OTHER AND UNKNOWN LOCATIONS |    |
|------------------|------|---|----|-------------|----|------------------------------------|----|------------------------------------|----|--------------|----|---------------|----|-------------------------------------|----|
| STATE            |      | NO.                                     | %  | NO.         | %  | NO.                                | %  | NO.                                | %  | NO.          | %  | NO.           | %  | NO.                                 | %  |
| ALABAMA          | 12   | 77                                      | 34 | 46          | 20 | 6                                  | 3  | 9                                  | 4  | 0            | 0  | 11            | 5  | 79                                  | 35 |
| ALASKA           | 51   | 3                                       | 75 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 0             | 0  | 1                                   | 25 |
| ARIZONA          | 25   | 71                                      | 57 | 9           | 7  | 3                                  | 2  | 5                                  | 4  | 0            | 0  | 4             | 3  | 33                                  | 26 |
| ARKANSAS         | 22   | 44                                      | 32 | 18          | 13 | 5                                  | 4  | 9                                  | 7  | 4            | 3  | 8             | 6  | 50                                  | 36 |
| CALIFORNIA       | 36   | 25                                      | 34 | 7           | 10 | 5                                  | 7  | 4                                  | 5  | 0            | 0  | 1             | 1  | 31                                  | 42 |
| COLORADO         | 5    | 136                                     | 35 | 50          | 13 | 25                                 | 6  | 17                                 | 4  | 58           | 15 | 11            | 3  | 97                                  | 25 |
| CONNECTICUT      | 35   | 18                                      | 23 | 7           | 9  | 4                                  | 5  | 0                                  | 0  | 0            | 0  | 3             | 4  | 47                                  | 59 |
| DELAWARE         | 46   | 8                                       | 42 | 5           | 26 | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 0             | 0  | 6                                   | 32 |
| DIST OF COLUMBIA | 48   | 12                                      | 80 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 1            | 7  | 0             | 0  | 2                                   | 13 |
| FLORIDA          | 1    | 350                                     | 28 | 167         | 14 | 156                                | 13 | 97                                 | 8  | 24           | 2  | 27            | 2  | 412                                 | 33 |
| GEORGIA          | 7    | 167                                     | 44 | 53          | 14 | 24                                 | 6  | 15                                 | 4  | 1            | 0  | 6             | 2  | 115                                 | 30 |
| HAWAII           | 50   | 3                                       | 38 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 2             | 25 | 3                                   | 38 |
| IDAHO            | 39   | 10                                      | 20 | 5           | 10 | 3                                  | 6  | 3                                  | 6  | 2            | 4  | 3             | 6  | 24                                  | 48 |
| ILLINOIS         | 15   | 56                                      | 30 | 51          | 28 | 5                                  | 3  | 3                                  | 2  | 4            | 2  | 7             | 4  | 58                                  | 32 |
| INDIANA          | 19   | 37                                      | 24 | 27          | 17 | 20                                 | 13 | 7                                  | 4  | 5            | 3  | 7             | 4  | 54                                  | 34 |
| IOWA             | 33   | 30                                      | 31 | 7           | 7  | 1                                  | 1  | 1                                  | 1  | 3            | 3  | 1             | 1  | 53                                  | 55 |
| KANSAS           | 23   | 26                                      | 20 | 15          | 12 | 4                                  | 3  | 8                                  | 6  | 0            | 0  | 5             | 4  | 72                                  | 55 |
| KENTUCKY         | 30   | 27                                      | 25 | 5           | 5  | 11                                 | 10 | 1                                  | 1  | 3            | 3  | 6             | 6  | 55                                  | 51 |
| LOUISIANA        | 16   | 32                                      | 18 | 26          | 15 | 23                                 | 13 | 15                                 | 9  | 1            | 1  | 2             | 1  | 76                                  | 43 |
| MAINE            | 31   | 15                                      | 14 | 24          | 23 | 4                                  | 4  | 1                                  | 1  | 2            | 2  | 2             | 2  | 57                                  | 54 |
| MARYLAND         | 26   | 24                                      | 20 | 11          | 9  | 26                                 | 21 | 10                                 | 8  | 5            | 4  | 0             | 0  | 45                                  | 37 |
| MASSACHUSETTS    | 10   | 83                                      | 30 | 25          | 9  | 12                                 | 4  | 5                                  | 2  | 7            | 3  | 5             | 2  | 143                                 | 51 |
| MICHIGAN         | 8    | 63                                      | 17 | 67          | 19 | 20                                 | 6  | 27                                 | 7  | 20           | 6  | 12            | 3  | 153                                 | 42 |
| MINNESOTA        | 27   | 19                                      | 17 | 17          | 15 | 2                                  | 2  | 17                                 | 15 | 3            | 3  | 5             | 4  | 51                                  | 45 |
| MISSISSIPPI      | 24   | 44                                      | 35 | 30          | 24 | 11                                 | 9  | 6                                  | 5  | 4            | 3  | 9             | 7  | 21                                  | 17 |
| MISSOURI         | 32   | 41                                      | 39 | 25          | 24 | 2                                  | 2  | 3                                  | 3  | 2            | 2  | 2             | 2  | 29                                  | 28 |
| MONTANA          | 42   | 11                                      | 30 | 3           | 8  | 0                                  | 0  | 5                                  | 14 | 4            | 11 | 0             | 0  | 14                                  | 38 |
| NEBRASKA         | 38   | 19                                      | 35 | 1           | 2  | 3                                  | 6  | 5                                  | 9  | 6            | 11 | 3             | 6  | 17                                  | 31 |
| NEVADA           | 45   | 8                                       | 38 | 2           | 10 | 0                                  | 0  | 0                                  | 0  | 1            | 5  | 0             | 0  | 10                                  | 48 |
| NEW HAMPSHIRE    | 29   | 19                                      | 17 | 6           | 5  | 3                                  | 3  | 1                                  | 1  | 0            | 0  | 3             | 3  | 79                                  | 71 |
| NEW JERSEY       | 20   | 51                                      | 33 | 30          | 19 | 11                                 | 7  | 2                                  | 1  | 6            | 4  | 3             | 2  | 52                                  | 34 |
| NEW MEXICO       | 21   | 85                                      | 58 | 14          | 10 | 4                                  | 3  | 6                                  | 4  | 10           | 7  | 0             | 0  | 27                                  | 18 |
| NEW YORK         | 4    | 94                                      | 22 | 67          | 16 | 20                                 | 5  | 23                                 | 5  | 8            | 2  | 9             | 2  | 211                                 | 49 |
| NORTH CAROLINA   | 2    | 142                                     | 32 | 28          | 6  | 27                                 | 6  | 45                                 | 10 | 19           | 4  | 8             | 2  | 179                                 | 40 |
| NORTH DAKOTA     | 47   | 5                                       | 33 | 3           | 20 | 1                                  | 7  | 3                                  | 20 | 0            | 0  | 0             | 0  | 3                                   | 20 |

|                  | RANK | OPEN FIELDS, BALL PARKS AND OPEN SPACES |    | UNDER TREES |    | BOATING, FISHING AND WATER RELATED |    | NEAR TRACTORS HEAVY ROAD EQUIPMENT |    | GOLF COURSES |    | AT TELEPHONES |    | VARIOUS OTHER AND UNKNOWN LOCATIONS |    |
|------------------|------|---|----|-------------|----|------------------------------------|----|------------------------------------|----|--------------|----|---------------|----|-------------------------------------|----|
| STATE            |      | NO.                                     | %  | NO.         | %  | NO.                                | %  | NO.                                | %  | NO.          | %  | NO.           | %  | NO.                                 | %  |
| ALABAMA          | 12   | 77                                      | 34 | 46          | 20 | 6                                  | 3  | 9                                  | 4  | 0            | 0  | 11            | 5  | 79                                  | 35 |
| ALASKA           | 51   | 3                                       | 75 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 0             | 0  | 1                                   | 25 |
| ARIZONA          | 25   | 71                                      | 57 | 9           | 7  | 3                                  | 2  | 5                                  | 4  | 0            | 0  | 4             | 3  | 33                                  | 26 |
| ARKANSAS         | 22   | 44                                      | 32 | 18          | 13 | 5                                  | 4  | 9                                  | 7  | 4            | 3  | 8             | 6  | 50                                  | 36 |
| CALIFORNIA       | 36   | 25                                      | 34 | 7           | 10 | 5                                  | 7  | 4                                  | 5  | 0            | 0  | 1             | 1  | 31                                  | 42 |
| COLORADO         | 5    | 136                                     | 35 | 50          | 13 | 25                                 | 6  | 17                                 | 4  | 58           | 15 | 11            | 3  | 97                                  | 25 |
| CONNECTICUT      | 35   | 18                                      | 23 | 7           | 9  | 4                                  | 5  | 0                                  | 0  | 0            | 0  | 3             | 4  | 47                                  | 59 |
| DELAWARE         | 46   | 8                                       | 42 | 5           | 26 | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 0             | 0  | 6                                   | 32 |
| DIST OF COLUMBIA | 48   | 12                                      | 80 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 1            | 7  | 0             | 0  | 2                                   | 13 |
| FLORIDA          | 1    | 350                                     | 28 | 167         | 14 | 156                                | 13 | 97                                 | 8  | 24           | 2  | 27            | 2  | 412                                 | 33 |
| GEORGIA          | 7    | 167                                     | 44 | 53          | 14 | 24                                 | 6  | 15                                 | 4  | 1            | 0  | 6             | 2  | 115                                 | 30 |
| HAWAII           | 50   | 3                                       | 38 | 0           | 0  | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 2             | 25 | 3                                   | 38 |
| IDAHO            | 39   | 10                                      | 20 | 5           | 10 | 3                                  | 6  | 3                                  | 6  | 2            | 4  | 3             | 6  | 24                                  | 48 |
| ILLINOIS         | 15   | 56                                      | 30 | 51          | 28 | 5                                  | 3  | 3                                  | 2  | 4            | 2  | 7             | 4  | 58                                  | 32 |
| INDIANA          | 19   | 37                                      | 24 | 27          | 17 | 20                                 | 13 | 7                                  | 4  | 5            | 3  | 7             | 4  | 54                                  | 34 |
| IOWA             | 33   | 30                                      | 31 | 7           | 7  | 1                                  | 1  | 1                                  | 1  | 3            | 3  | 1             | 1  | 53                                  | 55 |
| KANSAS           | 23   | 26                                      | 20 | 15          | 12 | 4                                  | 3  | 8                                  | 6  | 0            | 0  | 5             | 4  | 72                                  | 55 |
| KENTUCKY         | 30   | 27                                      | 25 | 5           | 5  | 11                                 | 10 | 1                                  | 1  | 3            | 3  | 6             | 6  | 55                                  | 51 |
| LOUISIANA        | 16   | 32                                      | 18 | 26          | 15 | 23                                 | 13 | 15                                 | 9  | 1            | 1  | 2             | 1  | 76                                  | 43 |
| MAINE            | 31   | 15                                      | 14 | 24          | 23 | 4                                  | 4  | 1                                  | 1  | 2            | 2  | 2             | 2  | 57                                  | 54 |
| MARYLAND         | 26   | 24                                      | 20 | 11          | 9  | 26                                 | 21 | 10                                 | 8  | 5            | 4  | 0             | 0  | 45                                  | 37 |
| MASSACHUSETTS    | 10   | 83                                      | 30 | 25          | 9  | 12                                 | 4  | 5                                  | 2  | 7            | 3  | 5             | 2  | 143                                 | 51 |
| MICHIGAN         | 8    | 63                                      | 17 | 67          | 19 | 20                                 | 6  | 27                                 | 7  | 20           | 6  | 12            | 3  | 153                                 | 42 |
| MINNESOTA        | 27   | 19                                      | 17 | 17          | 15 | 2                                  | 2  | 17                                 | 15 | 3            | 3  | 5             | 4  | 51                                  | 45 |
| MISSISSIPPI      | 24   | 44                                      | 35 | 30          | 24 | 11                                 | 9  | 6                                  | 5  | 4            | 3  | 9             | 7  | 21                                  | 17 |
| MISSOURI         | 32   | 41                                      | 39 | 25          | 24 | 2                                  | 2  | 3                                  | 3  | 2            | 2  | 2             | 2  | 29                                  | 28 |
| MONTANA          | 42   | 11                                      | 30 | 3           | 8  | 0                                  | 0  | 5                                  | 14 | 4            | 11 | 0             | 0  | 14                                  | 38 |
| NEBRASKA         | 38   | 19                                      | 35 | 1           | 2  | 3                                  | 6  | 5                                  | 9  | 6            | 11 | 3             | 6  | 17                                  | 31 |
| NEVADA           | 45   | 8                                       | 38 | 2           | 10 | 0                                  | 0  | 0                                  | 0  | 1            | 5  | 0             | 0  | 10                                  | 48 |
| NEW HAMPSHIRE    | 29   | 19                                      | 17 | 6           | 5  | 3                                  | 3  | 1                                  | 1  | 0            | 0  | 3             | 3  | 79                                  | 71 |
| NEW JERSEY       | 20   | 51                                      | 33 | 30          | 19 | 11                                 | 7  | 2                                  | 1  | 6            | 4  | 3             | 2  | 52                                  | 34 |
| NEW MEXICO       | 21   | 85                                      | 58 | 14          | 10 | 4                                  | 3  | 6                                  | 4  | 10           | 7  | 0             | 0  | 27                                  | 18 |
| NEW YORK         | 4    | 94                                      | 22 | 67          | 16 | 20                                 | 5  | 23                                 | 5  | 8            | 2  | 9             | 2  | 211                                 | 49 |
| NORTH CAROLINA   | 2    | 142                                     | 32 | 28          | 6  | 27                                 | 6  | 45                                 | 10 | 19           | 4  | 8             | 2  | 179                                 | 40 |
| NORTH DAKOTA     | 47   | 5                                       | 33 | 3           | 20 | 1                                  | 7  | 3                                  | 20 | 0            | 0  | 0             | 0  | 3                                   | 20 |



# **LIGHTNING INJURIES BY STATE, RANK, AND LOCATION OF OCCURRENCE** **1959-2009** **2009**

|                | RANK | OPEN FIELDS, BALL PARKS AND OPEN SPACES |     | UNDER TREES |    | BOATING, FISHING AND WATER RELATED |    | NEAR TRACTORS HEAVY ROAD EQUIPMENT |    | GOLF COURSES |    | AT TELEPHONES |   | VARIOUS OTHER AND UNKNOWN LOCATIONS |    |  | OPEN FIELDS, BALL PARKS AND OPEN SPACES |     | UNDER TREES |     | BOATING, FISHING AND WATER RELATED |   | NEAR TRACTORS HEAVY ROAD EQUIPMENT |    | GOLF COURSES |   | AT TELEPHONES |   | VARIOUS OTHER AND UNKNOWN LOCATIONS |    |
|----------------|------|---|-----|-------------|----|------------------------------------|----|------------------------------------|----|--------------|----|---------------|---|-------------------------------------|----|--|---|-----|-------------|-----|------------------------------------|---|------------------------------------|----|--------------|---|---------------|---|-------------------------------------|----|
| STATE          |      | NO.                                     | %   | NO.         | %  | NO.                                | %  | NO.                                | %  | NO.          | %  | NO.           | % | NO.                                 | %  |  | NO.                                     | %   | NO.         | %   | NO.                                | % | NO.                                | %  | NO.          | % | NO.           | % | NO.                                 | %  |
| OHIO           | 6    | 107                                     | 28  | 93          | 24 | 10                                 | 3  | 5                                  | 1  | 37           | 10 | 13            | 3 | 122                                 | 32 |  | 0                                       | 0   | 3           | 100 | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| OKLAHOMA       | 14   | 76                                      | 39  | 9           | 5  | 9                                  | 5  | 10                                 | 5  | 0            | 0  | 11            | 6 | 78                                  | 40 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| OREGON         | 44   | 7                                       | 33  | 0           | 0  | 1                                  | 5  | 0                                  | 0  | 0            | 0  | 1             | 5 | 12                                  | 57 |  | 1                                       | 33  | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 2 | 67                                  |    |
| PENNSYLVANIA   | 3    | 173                                     | 39  | 65          | 15 | 7                                  | 2  | 6                                  | 1  | 0            | 0  | 7             | 2 | 180                                 | 41 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 1 | 100                                 |    |
| PUERTO RICO    | 52   | 2                                       | 100 | 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                                   |    |
| RHODE ISLAND   | 43   | 4                                       | 12  | 15          | 45 | 2                                  | 6  | 0                                  | 0  | 0            | 0  | 0             | 0 | 12                                  | 36 |  | 0                                       | 0   | 9           | 100 | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| SOUTH CAROLINA | 18   | 43                                      | 26  | 29          | 17 | 10                                 | 6  | 3                                  | 2  | 4            | 2  | 4             | 2 | 73                                  | 44 |  | 1                                       | 50  | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 1 | 50                                  |    |
| SOUTH DAKOTA   | 40   | 15                                      | 32  | 3           | 6  | 5                                  | 11 | 7                                  | 15 | 1            | 2  | 1             | 2 | 15                                  | 32 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| TENNESSEE      | 11   | 84                                      | 34  | 62          | 25 | 6                                  | 2  | 8                                  | 3  | 2            | 1  | 8             | 3 | 78                                  | 31 |  | 0                                       | 0   | 1           | 100 | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| TEXAS          | 9    | 137                                     | 39  | 49          | 14 | 19                                 | 5  | 22                                 | 6  | 10           | 3  | 6             | 2 | 106                                 | 30 |  | 0                                       | 0   | 1           | 9   | 1                                  | 9 | 8                                  | 73 | 0            | 0 | 0             | 1 | 9                                   |    |
| UTAH           | 37   | 16                                      | 23  | 23          | 32 | 2                                  | 3  | 5                                  | 7  | 2            | 3  | 2             | 3 | 21                                  | 30 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 1 | 100                                 |    |
| VERMONT        | 49   | 4                                       | 31  | 1           | 8  | 0                                  | 0  | 0                                  | 0  | 1            | 8  | 0             | 0 | 7                                   | 54 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| VIRGINIA       | 17   | 37                                      | 22  | 13          | 8  | 12                                 | 7  | 1                                  | 1  | 6            | 4  | 7             | 4 | 91                                  | 54 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| WASHINGTON     | 41   | 25                                      | 56  | 10          | 22 | 0                                  | 0  | 0                                  | 0  | 0            | 0  | 1             | 2 | 9                                   | 20 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| WEST VIRGINIA  | 28   | 34                                      | 31  | 7           | 6  | 11                                 | 10 | 4                                  | 4  | 2            | 2  | 0             | 0 | 53                                  | 48 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| WISCONSIN      | 13   | 83                                      | 42  | 7           | 4  | 6                                  | 3  | 4                                  | 2  | 6            | 3  | 5             | 3 | 89                                  | 45 |  | 1                                       | 100 | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| WYOMING        | 34   | 37                                      | 46  | 0           | 0  | 15                                 | 19 | 5                                  | 6  | 3            | 4  | 0             | 0 | 20                                  | 25 |  | 0                                       | 0   | 0           | 0   | 0                                  | 0 | 0                                  | 0  | 0            | 0 | 0             | 0 | 0                                   | 0  |
| UNITED STATES  | 0    | 2739                                    | 31  | 237         | 14 | 556                                | 6  | 433                                | 5  | 277          | 3  | 231           | 3 | 327                                 | 38 |  | 90                                      | 45  | 38          | 19  | 14                                 | 7 | 22                                 | 11 | 7            | 3 | 1             | 0 | 29                                  | 14 |



## TORNADO SUMMARY BY STATE AND NATION, 2009

| LOCATION           | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>ALABAMA</b>     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 1   | 6   | 5   | 35  | 23  | 3   | 1   | 0   | 1   | 2   | 0   | 2   | 79  |
| DAYS               | 1   | 3   | 2   | 4   | 4   | 3   | 1   | 0   | 1   | 2   | 0   | 1   | 22  |
| DEATHS             | 0   | 0   | 0   | 10  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 10  |
| INJURIES           | 6   | 56  | 25  | 380 | 113 | 4   | 0   | 0   | 4   | 9   | 0   | 0   | 597 |
| <b>ARIZONA</b>     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 4   |
| DAYS               | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 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   |
| <b>ARKANSAS</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 11  | 9   | 1   | 8   | 0   | 0   | 15  | 0   | 1   | 45  |
| DAYS               | 0   | 0   | 0   | 4   | 5   | 1   | 2   | 0   | 0   | 1   | 0   | 1   | 14  |
| DEATHS             | 0   | 0   | 0   | 30  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 30  |
| INJURIES           | 0   | 0   | 0   | 449 | 56  | 5   | 44  | 0   | 0   | 150 | 0   | 2   | 706 |
| <b>CALIFORNIA</b>  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 2   |
| DAYS               | 1   | 1   | 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           | 5   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 5   |
| <b>COLORADO</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 2   | 4   | 23  | 9   | 5   | 1   | 0   | 0   | 0   | 44  |
| DAYS               | 0   | 0   | 0   | 1   | 3   | 9   | 7   | 4   | 1   | 0   | 0   | 0   | 25  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 0   | 0   | 0   | 49  | 5   | 0   | 0   | 0   | 0   | 0   | 54  |
| <b>CONNECTICUT</b> |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 1   | 2   | 0   | 0   | 0   | 0   | 0   | 3   |
| DAYS               | 0   | 0   | 0   | 0   | 0   | 1   | 1   | 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   | 6   | 8   | 0   | 0   | 0   | 0   | 0   | 14  |
| <b>FLORIDA</b>     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 6   | 6   | 4   | 7   | 6   | 2   | 0   | 0   | 0   | 6   | 37  |
| DAYS               | 0   | 0   | 2   | 4   | 4   | 5   | 5   | 2   | 0   | 0   | 0   | 3   | 25  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 20  | 13  | 14  | 29  | 27  | 9   | 0   | 0   | 0   | 18  | 130 |
| <b>GEORGIA</b>     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 2   | 13  | 3   | 25  | 0   | 2   | 0   | 0   | 0   | 3   | 0   | 7   | 55  |
| DAYS               | 2   | 2   | 3   | 3   | 0   | 1   | 0   | 0   | 0   | 2   | 0   | 2   | 15  |
| DEATHS             | 0   | 10  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 10  |
| INJURIES           | 9   | 128 | 13  | 336 | 0   | 4   | 0   | 0   | 0   | 14  | 0   | 50  | 554 |
| <b>HAWAII</b>      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   |
| DAYS               | 0   | 1   | 0   | 0   | 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   | 10  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 10  |
| <b>IDAHO</b>       |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 2   |
| DAYS               | 0   | 0   | 0   | 1   | 0   | 1   | 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   |
| <b>ILLINOIS</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 19  | 0   | 11  | 8   | 4   | 10  | 0   | 0   | 0   | 0   | 52  |
| DAYS               | 0   | 0   | 1   | 0   | 2   | 4   | 3   | 1   | 0   | 0   | 0   | 0   | 11  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 100 | 0   | 27  | 21  | 5   | 281 | 0   | 0   | 0   | 0   | 434 |
| <b>INDIANA</b>     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 1   | 5   | 0   | 1   | 1   | 0   | 2   | 1   | 0   | 0   | 0   | 11  |
| DAYS               | 0   | 1   | 1   | 0   | 1   | 1   | 0   | 2   | 1   | 0   | 0   | 0   | 7   |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 4   | 29  | 0   | 5   | 3   | 0   | 11  | 4   | 0   | 0   | 0   | 56  |
| <b>IOWA</b>        |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 5   | 2   | 1   | 11  | 0   | 6   | 0   | 0   | 0   | 0   | 25  |
| DAYS               | 0   | 0   | 1   | 1   | 1   | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 6   |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 9   | 17  | 0   | 27  | 0   | 25  | 0   | 0   | 0   | 0   | 78  |
| <b>KANSAS</b>      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 13  | 18  | 10  | 45  | 14  | 2   | 0   | 0   | 0   | 0   | 102 |
| DAYS               | 0   | 0   | 2   | 4   | 3   | 9   | 5   | 1   | 0   | 0   | 0   | 0   | 24  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 4   | 78  | 5   | 78  | 9   | 9   | 0   | 0   | 0   | 0   | 183 |

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





## TORNADO SUMMARY BY STATE AND NATION, 2009

| LOCATION           | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>KENTUCKY</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 4   | 9   | 3   | 8   | 4   | 1   | 0   | 5   | 0   | 0   | 34  |
| DAYS               | 0   | 0   | 2   | 2   | 1   | 4   | 2   | 1   | 0   | 1   | 0   | 0   | 13  |
| DEATHS             | 0   | 0   | 0   | 0   | 20  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 20  |
| INJURIES           | 0   | 0   | 39  | 67  | 162 | 21  | 15  | 14  | 0   | 5   | 0   | 0   | 323 |
| <b>LOUISIANA</b>   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 1   | 10  | 11  | 8   | 1   | 1   | 0   | 0   | 24  | 0   | 20  | 76  |
| DAYS               | 0   | 1   | 5   | 4   | 5   | 1   | 1   | 0   | 0   | 5   | 0   | 2   | 24  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 5   | 48  | 77  | 68  | 0   | 4   | 0   | 0   | 198 | 0   | 110 | 510 |
| <b>MAINE</b>       |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 4   | 1   | 1   | 1   | 0   | 0   | 0   | 0   | 7   |
| DAYS               | 0   | 0   | 0   | 0   | 2   | 1   | 1   | 1   | 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   |
| <b>MARYLAND</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 3   | 7   | 0   | 0   | 0   | 0   | 0   | 10  |
| DAYS               | 0   | 0   | 0   | 0   | 0   | 2   | 3   | 0   | 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   | 24  | 0   | 0   | 0   | 0   | 0   | 24  |
| <b>MICHIGAN</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 3   | 0   | 0   | 0   | 0   | 0   | 0   | 3   |
| DAYS               | 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   | 14  | 0   | 0   | 0   | 0   | 0   | 0   | 14  |
| <b>MINNESOTA</b>   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 12  | 4   | 8   | 0   | 0   | 0   | 0   | 24  |
| DAYS               | 0   | 0   | 0   | 0   | 0   | 3   | 2   | 2   | 0   | 0   | 0   | 0   | 7   |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 0   | 0   | 0   | 28  | 15  | 35  | 0   | 0   | 0   | 0   | 78  |
| <b>MISSISSIPPI</b> |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 2   | 1   | 13  | 6   | 15  | 1   | 3   | 0   | 0   | 2   | 0   | 2   | 45  |
| DAYS               | 2   | 1   | 4   | 1   | 5   | 1   | 2   | 0   | 0   | 1   | 0   | 2   | 19  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 10  | 0   | 0   | 10  |
| INJURIES           | 7   | 3   | 348 | 8   | 104 | 16  | 19  | 0   | 0   | 29  | 0   | 6   | 540 |
| <b>MISSOURI</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 1   | 1   | 2   | 33  | 7   | 0   | 1   | 0   | 0   | 0   | 0   | 45  |
| DAYS               | 0   | 1   | 1   | 2   | 6   | 4   | 0   | 1   | 0   | 0   | 0   | 0   | 15  |
| DEATHS             | 0   | 0   | 0   | 0   | 30  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 30  |
| INJURIES           | 0   | 5   | 10  | 5   | 244 | 9   | 0   | 14  | 0   | 0   | 0   | 0   | 287 |
| <b>MONTANA</b>     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 1   | 3   | 0   | 0   | 0   | 0   | 0   | 4   |
| DAYS               | 0   | 0   | 0   | 0   | 0   | 1   | 2   | 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   |
| <b>NEBRASKA</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 9   | 3   | 2   | 24  | 1   | 0   | 1   | 0   | 0   | 0   | 40  |
| DAYS               | 0   | 0   | 1   | 1   | 2   | 10  | 1   | 0   | 1   | 0   | 0   | 0   | 16  |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 93  | 5   | 4   | 48  | 4   | 0   | 0   | 0   | 0   | 0   | 154 |
| <b>NEVADA</b>      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 0   | 0   | 2   |
| DAYS               | 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   |
| <b>NEW JERSEY</b>  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 1   |
| DAYS               | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 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   | 6   | 0   | 0   | 0   | 0   | 0   | 6   |
| <b>NEW MEXICO</b>  |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 1   | 0   | 0   | 2   | 1   | 0   | 0   | 0   | 0   | 4   |
| DAYS               | 0   | 0   | 0   | 1   | 0   | 0   | 2   | 1   | 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   | 4   | 0   | 0   | 0   | 0   | 0   | 4   |
| <b>NEW YORK</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER             | 0   | 0   | 0   | 0   | 2   | 0   | 5   | 3   | 0   | 0   | 0   | 0   | 10  |
| DAYS               | 0   | 0   | 0   | 0   | 1   | 0   | 3   | 3   | 0   | 0   | 0   | 0   | 7   |
| DEATHS             | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES           | 0   | 0   | 0   | 0   | 23  | 0   | 25  | 14  | 0   | 0   | 0   | 0   | 62  |

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



## TORNADO SUMMARY BY STATE AND NATION, 2009

| LOCATION              | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANN |
|-----------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| <b>NORTH CAROLINA</b> |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 11  | 4   | 14  | 2   | 2   | 0   | 0   | 0   | 0   | 0   | 33  |
| DAYS                  | 0   | 0   | 2   | 2   | 4   | 1   | 1   | 0   | 0   | 0   | 0   | 0   | 10  |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 59  | 17  | 115 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 191 |
| <b>NORTH DAKOTA</b>   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 0   | 0   | 0   | 20  | 9   | 0   | 0   | 1   | 0   | 0   | 30  |
| DAYS                  | 0   | 0   | 0   | 0   | 0   | 5   | 2   | 0   | 0   | 1   | 0   | 0   | 8   |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 0   | 0   | 0   | 33  | 41  | 0   | 0   | 0   | 0   | 0   | 74  |
| <b>OHIO</b>           |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 1   | 0   | 4   | 2   | 3   | 2   | 0   | 1   | 0   | 0   | 13  |
| DAYS                  | 0   | 0   | 1   | 0   | 2   | 2   | 2   | 2   | 0   | 1   | 0   | 0   | 10  |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 5   | 0   | 14  | 8   | 13  | 3   | 0   | 3   | 0   | 0   | 46  |
| <b>OKLAHOMA</b>       |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 6   | 1   | 16  | 4   | 3   | 0   | 1   | 0   | 2   | 0   | 0   | 33  |
| DAYS                  | 0   | 1   | 1   | 5   | 1   | 2   | 0   | 1   | 0   | 1   | 0   | 0   | 12  |
| DEATHS                | 0   | 80  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 80  |
| INJURIES              | 0   | 476 | 4   | 61  | 8   | 4   | 0   | 0   | 0   | 4   | 0   | 0   | 557 |
| <b>OREGON</b>         |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 0   | 0   | 2   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 4   |
| DAYS                  | 0   | 0   | 0   | 0   | 1   | 1   | 0   | 0   | 0   | 0   | 1   | 0   | 3   |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 0   | 0   | 10  | 4   | 0   | 0   | 0   | 0   | 4   | 0   | 18  |
| <b>PENNSYLVANIA</b>   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 1   | 0   | 0   | 0   | 5   | 1   | 0   | 0   | 0   | 0   | 7   |
| DAYS                  | 0   | 0   | 1   | 0   | 0   | 0   | 3   | 1   | 0   | 0   | 0   | 0   | 5   |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 36  | 0   | 0   | 0   | 42  | 4   | 0   | 0   | 0   | 0   | 82  |
| <b>PUERTO RICO</b>    |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 1   |
| DAYS                  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1   | 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   | 4   | 0   | 0   | 0   | 0   | 4   |
| <b>SOUTH CAROLINA</b> |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 1   | 13  | 2   | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 19  |
| DAYS                  | 0   | 0   | 1   | 2   | 1   | 2   | 0   | 1   | 0   | 0   | 0   | 0   | 7   |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 0   | 210 | 7   | 5   | 0   | 4   | 0   | 0   | 0   | 0   | 226 |
| <b>SOUTH DAKOTA</b>   |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 1   | 0   | 2   | 24  | 6   | 0   | 1   | 0   | 0   | 0   | 34  |
| DAYS                  | 0   | 0   | 1   | 0   | 1   | 4   | 3   | 0   | 1   | 0   | 0   | 0   | 10  |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 4   | 0   | 5   | 0   | 9   | 0   | 0   | 0   | 0   | 0   | 18  |
| <b>TENNESSEE</b>      |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 1   | 4   | 15  | 11  | 1   | 6   | 0   | 1   | 6   | 0   | 0   | 45  |
| DAYS                  | 0   | 1   | 1   | 3   | 4   | 1   | 2   | 0   | 1   | 1   | 0   | 0   | 14  |
| DEATHS                | 0   | 0   | 0   | 20  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 20  |
| INJURIES              | 0   | 5   | 19  | 660 | 57  | 4   | 27  | 0   | 4   | 35  | 0   | 0   | 811 |
| <b>TEXAS</b>          |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 4   | 4   | 47  | 18  | 32  | 2   | 4   | 1   | 4   | 1   | 11  | 128 |
| DAYS                  | 0   | 1   | 2   | 8   | 6   | 8   | 2   | 3   | 1   | 2   | 1   | 2   | 36  |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 20  | 7   | 127 | 32  | 43  | 5   | 147 | 0   | 3   | 5   | 47  | 436 |
| <b>UTAH</b>           |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 2   | 0   | 0   | 0   | 0   | 4   |
| DAYS                  | 0   | 0   | 0   | 0   | 2   | 0   | 0   | 1   | 0   | 0   | 0   | 0   | 3   |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 0   | 0   | 0   | 4   | 0   | 0   | 7   | 0   | 0   | 0   | 0   | 11  |
| <b>VERMONT</b>        |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 0   | 0   | 0   | 0   | 0   | 2   |
| DAYS                  | 0   | 0   | 0   | 0   | 1   | 0   | 1   | 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   | 5   | 0   | 5   | 0   | 0   | 0   | 0   | 0   | 10  |
| <b>VIRGINIA</b>       |     |     |     |     |     |     |     |     |     |     |     |     |     |
| NUMBER                | 0   | 1   | 0   | 1   | 7   | 4   | 3   | 0   | 0   | 0   | 0   | 0   | 16  |
| DAYS                  | 0   | 1   | 0   | 1   | 4   | 2   | 1   | 0   | 0   | 0   | 0   | 0   | 9   |
| DEATHS                | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   |
| INJURIES              | 0   | 4   | 0   | 4   | 16  | 17  | 15  | 0   | 0   | 0   | 0   | 0   | 56  |

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



## TORNADO SUMMARY BY STATE AND NATION, 2009

| LOCATION             | JAN | FEB | MAR  | APR  | MAY  | JUN  | JUL  | AUG | SEP | OCT | NOV | DEC | ANN   |
|----------------------|-----|-----|------|------|------|------|------|-----|-----|-----|-----|-----|-------|
| <b>WASHINGTON</b>    |     |     |      |      |      |      |      |     |     |     |     |     |       |
| NUMBER               | 0   | 0   | 0    | 0    | 1    | 4    | 0    | 0   | 1   | 0   | 0   | 0   | 6     |
| DAYS                 | 0   | 0   | 0    | 0    | 1    | 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    | 4    | 0    | 0    | 0   | 5   | 0   | 0   | 0   | 9     |
| <b>WISCONSIN</b>     |     |     |      |      |      |      |      |     |     |     |     |     |       |
| NUMBER               | 0   | 0   | 0    | 1    | 0    | 4    | 5    | 6   | 0   | 0   | 0   | 0   | 16    |
| DAYS                 | 0   | 0   | 0    | 1    | 0    | 4    | 2    | 2   | 0   | 0   | 0   | 0   | 9     |
| DEATHS               | 0   | 0   | 0    | 0    | 0    | 0    | 0    | 0   | 0   | 0   | 0   | 0   | 0     |
| INJURIES             | 0   | 0   | 0    | 0    | 0    | 4    | 22   | 19  | 0   | 0   | 0   | 0   | 45    |
| <b>WYOMING</b>       |     |     |      |      |      |      |      |     |     |     |     |     |       |
| NUMBER               | 0   | 0   | 0    | 0    | 0    | 8    | 2    | 1   | 0   | 0   | 0   | 0   | 11    |
| DAYS                 | 0   | 0   | 0    | 0    | 0    | 7    | 2    | 1   | 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    | 8    | 28   | 0   | 0   | 0   | 0   | 0   | 36    |
| <b>UNITED STATES</b> |     |     |      |      |      |      |      |     |     |     |     |     |       |
| NUMBER               | 6   | 37* | 117* | 229* | 201* | 273* | 120* | 61  | 8   | 65  | 3   | 49* | 1155* |
| DAYS                 | 5   | 7   | 11   | 22   | 23   | 28   | 26   | 18  | 8   | 10  | 2   | 8   | 168   |
| DEATHS               | 0   | 90  | 0    | 60   | 50   | 0    | 0    | 0   | 0   | 10  | 0   | 0   | 210   |
| INJURIES             | 27  | 716 | 872  | ***  | ***  | 492  | 421  | 600 | 17  | 450 | 9   | 233 | 7453  |

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



# NATIONS SUMMARY OF TORNADOES, TORNADO DAYS AND DEATHS BY MONTH AND ANNUAL, 1953-2009



|      | JANUARY |      |        | FEBRUARY |      |        | MARCH  |      |        | APRIL  |      |        | MAY    |      |        | JUNE   |      |        | JULY   |      |        | AUGUST |      |        | SEPTEMBER |      |        | OCTOBER |      |        | NOVEMBER |      |        | DECEMBER |      |        | ANNUAL |     |     |
|------|---------|------|--------|----------|------|--------|--------|------|--------|--------|------|--------|--------|------|--------|--------|------|--------|--------|------|--------|--------|------|--------|-----------|------|--------|---------|------|--------|----------|------|--------|----------|------|--------|--------|-----|-----|
| YEAR | NUMBER  | DAYS | DEATHS | NUMBER   | DAYS | DEATHS | NUMBER | DAYS | DEATHS | NUMBER | DAYS | DEATHS | NUMBER | DAYS | DEATHS | NUMBER | DAYS | DEATHS | NUMBER | DAYS | DEATHS | NUMBER | DAYS | DEATHS | NUMBER    | DAYS | DEATHS | NUMBER  | DAYS | DEATHS | NUMBER   | DAYS | DEATHS | NUMBER   | DAYS | DEATHS |        |     |     |
| 1953 | 14      | 6    | 0      | 16       | 3    | 3      | 40     | 10   | 24     | 47     | 16   | 34     | 94     | 21   | 161    | 111    | 24   | 244    | 31     | 19   | 0      | 24     | 15   | 0      | 5         | 4    | 0      | 6       | 4    | 0      | 12       | 6    | 0      | 21       | 8    | 49     | 421    | 136 | 515 |
| 1954 | 2       | 1    | 0      | 17       | 9    | 2      | 63     | 13   | 10     | 112    | 22   | 3      | 101    | 22   | 9      | 107    | 26   | 5      | 45     | 23   | 0      | 49     | 21   | 1      | 21        | 10   | 3      | 14      | 8    | 2      | 2        | 2    | 0      | 17       | 3    | 1      | 550    | 160 | 36  |
| 1955 | 3       | 2    | 0      | 4        | 3    | 0      | 43     | 15   | 5      | 99     | 18   | 7      | 147    | 26   | 103    | 154    | 28   | 2      | 49     | 21   | 5      | 33     | 18   | 0      | 15        | 8    | 2      | 23      | 7    | 1      | 20       | 4    | 1      | 3        | 2    | 0      | 593    | 152 | 126 |
| 1956 | 2       | 2    | 0      | 47       | 12   | 8      | 31     | 7    | 1      | 85     | 15   | 67     | 79     | 24   | 4      | 65     | 21   | 0      | 91     | 26   | 1      | 43     | 20   | 2      | 16        | 10   | 0      | 29      | 8    | 0      | 7        | 6    | 0      | 9        | 4    | 0      | 504    | 155 | 83  |
| 1957 | 17      | 3    | 13     | 5        | 3    | 0      | 38     | 7    | 1      | 216    | 21   | 29     | 227    | 26   | 87     | 147    | 25   | 14     | 55     | 19   | 0      | 20     | 14   | 0      | 17        | 10   | 2      | 18      | 11   | 2      | 58       | 11   | 25     | 38       | 4    | 19     | 856    | 154 | 192 |
| 1958 | 12      | 7    | 0      | 20       | 5    | 13     | 15     | 10   | 0      | 76     | 19   | 4      | 68     | 21   | 0      | 127    | 27   | 42     | 121    | 30   | 1      | 46     | 20   | 1      | 24        | 14   | 1      | 9       | 6    | 4      | 45       | 6    | 0      | 1        | 1    | 0      | 564    | 166 | 66  |
| 1959 | 16      | 2    | 3      | 20       | 5    | 21     | 43     | 11   | 9      | 30     | 12   | 1      | 226    | 28   | 8      | 73     | 25   | 2      | 63     | 24   | 0      | 38     | 18   | 0      | 58        | 15   | 14     | 24      | 10   | 0      | 11       | 4    | 0      | 2        | 2    | 0      | 604    | 156 | 58  |
| 1960 | 9       | 4    | 0      | 28       | 10   | 0      | 28     | 10   | 0      | 70     | 20   | 7      | 201    | 26   | 34     | 124    | 27   | 3      | 43     | 22   | 0      | 47     | 23   | 1      | 22        | 13   | 0      | 18      | 10   | 1      | 25       | 6    | 0      | 1        | 1    | 0      | 616    | 172 | 46  |
| 1961 | 1       | 1    | 0      | 31       | 8    | 0      | 124    | 17   | 7      | 74     | 19   | 3      | 137    | 25   | 23     | 107    | 23   | 2      | 77     | 27   | 0      | 27     | 16   | 0      | 53        | 16   | 15     | 14      | 5    | 0      | 36       | 7    | 1      | 16       | 5    | 0      | 697    | 169 | 51  |
| 1962 | 12      | 3    | 1      | 25       | 7    | 0      | 37     | 9    | 17     | 41     | 8    | 1      | 200    | 22   | 3      | 171    | 29   | 0      | 78     | 26   | 0      | 51     | 21   | 6      | 24        | 11   | 0      | 11      | 10   | 0      | 5        | 4    | 0      | 2        | 2    | 0      | 657    | 152 | 28  |
| 1963 | 15      | 5    | 1      | 6        | 3    | 0      | 48     | 12   | 8      | 84     | 14   | 16     | 71     | 21   | 1      | 91     | 23   | 0      | 62     | 26   | 0      | 26     | 13   | 2      | 33        | 13   | 3      | 13      | 5    | 0      | 15       | 6    | 0      | 0        | 0    | 0      | 464    | 141 | 31  |
| 1964 | 14      | 3    | 10     | 2        | 2    | 0      | 36     | 11   | 6      | 157    | 23   | 15     | 135    | 20   | 16     | 136    | 24   | 0      | 63     | 23   | 0      | 79     | 23   | 2      | 25        | 10   | 0      | 22      | 4    | 22     | 17       | 8    | 0      | 18       | 5    | 2      | 704    | 156 | 73  |
| 1965 | 21      | 11   | 0      | 32       | 4    | 0      | 34     | 9    | 2      | 129    | 20   | 267    | 275    | 25   | 17     | 147    | 28   | 6      | 86     | 26   | 0      | 61     | 23   | 1      | 64        | 21   | 0      | 16      | 4    | 1      | 34       | 6    | 5      | 7        | 4    | 0      | 906    | 181 | 299 |
| 1966 | 1       | 1    | 0      | 28       | 5    | 0      | 12     | 6    | 58     | 80     | 20   | 12     | 98     | 17   | 0      | 126    | 28   | 19     | 100    | 27   | 3      | 58     | 21   | 0      | 22        | 13   | 0      | 29      | 6    | 6      | 20       | 3    | 0      | 11       | 3    | 0      | 585    | 150 | 98  |
| 1967 | 39      | 4    | 7      | 8        | 5    | 0      | 42     | 14   | 3      | 149    | 18   | 73     | 116    | 25   | 3      | 210    | 28   | 6      | 90     | 25   | 1      | 28     | 16   | 2      | 139       | 16   | 5      | 36      | 7    | 4      | 8        | 5    | 0      | 61       | 10   | 10     | 926    | 173 | 114 |
| 1968 | 5       | 3    | 0      | 7        | 3    | 0      | 28     | 8    | 0      | 102    | 15   | 40     | 145    | 26   | 72     | 136    | 27   | 11     | 56     | 22   | 2      | 66     | 23   | 2      | 25        | 14   | 0      | 14      | 9    | 0      | 44       | 12   | 3      | 32       | 9    | 1      | 660    | 171 | 131 |
| 1969 | 3       | 1    | 32     | 5        | 5    | 0      | 8      | 2    | 1      | 68     | 15   | 2      | 145    | 25   | 4      | 137    | 28   | 7      | 99     | 27   | 0      | 69     | 21   | 19     | 20        | 11   | 0      | 26      | 10   | 0      | 5        | 3    | 0      | 23       | 7    | 1      | 608    | 155 | 66  |
| 1970 | 9       | 5    | 0      | 16       | 3    | 0      | 25     | 12   | 2      | 117    | 16   | 29     | 88     | 19   | 26     | 134    | 24   | 6      | 81     | 26   | 3      | 55     | 21   | 0      | 54        | 20   | 0      | 50      | 13   | 6      | 10       | 4    | 0      | 14       | 8    | 0      | 653    | 171 | 72  |
| 1971 | 18      | 7    | 1      | 83       | 12   | 131    | 40     | 13   | 2      | 75     | 14   | 11     | 166    | 24   | 7      | 199    | 28   | 1      | 100    | 30   | 1      | 50     | 21   | 0      | 47        | 15   | 0      | 38      | 12   | 0      | 16       | 7    | 0      | 56       | 9    | 2      | 888    | 192 | 156 |
| 1972 | 33      | 10   | 5      | 7        | 4    | 0      | 69     | 17   | 0      | 96     | 20   | 16     | 140    | 27   | 0      | 114    | 25   | 2      | 115    | 29   | 0      | 59     | 23   | 2      | 49        | 19   | 0      | 34      | 10   | 0      | 17       | 4    | 2      | 8        | 6    | 0      | 741    | 194 | 27  |
| 1973 | 33      | 7    | 1      | 10       | 4    | 0      | 80     | 16   | 17     | 150    | 22   | 10     | 250    | 26   | 35     | 224    | 26   | 2      | 80     | 26   | 0      | 51     | 23   | 4      | 69        | 22   | 3      | 25      | 11   | 0      | 81       | 11   | 12     | 49       | 12   | 3      | 1102   | 206 | 87  |
| 1974 | 24      | 8    | 2      | 23       | 9    | 0      | 36     | 12   | 1      | 269    | 22   | 313    | 144    | 28   | 10     | 194    | 26   | 31     | 59     | 19   | 0      | 107    | 26   | 0      | 25        | 11   | 0      | 45      | 10   | 4      | 13       | 8    | 0      | 8        | 5    | 0      | 947    | 184 | 361 |
| 1975 | 52      | 7    | 12     | 45       | 12   | 7      | 84     | 16   | 12     | 108    | 20   | 13     | 188    | 30   | 5      | 196    | 28   | 6      | 79     | 26   | 2      | 60     | 25   | 2      | 34        | 17   | 0      | 12      | 7    | 0      | 40       | 8    | 0      | 22       | 8    | 1      | 920    | 204 | 60  |
| 1976 | 12      | 5    | 0      | 37       | 6    | 5      | 180    | 18   | 21     | 113    | 23   | 1      | 155    | 24   | 8      | 169    | 26   | 3      | 84     | 28   | 2      | 38     | 18   | 1      | 35        | 15   | 3      | 11      | 5    | 0      | 0        | 0    | 1      | 1        | 0    | 835    | 169    | 44  |     |
| 1977 | 5       | 4    | 0      | 17       | 3    | 2      | 64     | 15   | 0      | 88     | 15   | 26     | 228    | 29   | 4      | 132    | 27   | 0      | 99     | 27   | 1      | 82     | 26   | 6      | 65        | 21   | 1      | 25      | 5    | 1      | 24       | 10   | 0      | 23       | 7    | 2      | 852    | 189 | 43  |
| 1978 | 23      | 7    | 2      | 6        | 3    | 0      | 17     | 8    | 0      | 107    | 17   | 4      | 213    | 27   | 7      | 148    | 28   | 17     | 143    | 30   | 11     | 65     | 24   | 1      | 20        | 10   | 6      | 7       | 5    | 0      | 9        | 5    | 0      | 30       | 9    | 5      | 788    | 173 | 53  |
| 1979 | 16      | 9    | 0      | 4        | 3    | 0      | 53     | 13   | 1      | 120    | 17   | 58     | 112    | 23   | 2      | 150    | 24   | 8      | 132    | 30   | 1      | 127    | 27   | 5      | 68        | 19   | 2      | 47      | 12   | 7      | 21       | 8    | 0      | 2        | 1    | 0      | 852    | 186 | 84  |
| 1980 | 5       | 4    | 0      | 11       | 9    | 0      | 41     | 15   | 2      | 137    | 16   | 4      | 203    | 25   | 8      | 217    | 30   | 7      | 95     | 26   | 5      | 73     | 27   | 0      | 37        | 14   | 1      | 43      | 7    | 1      | 3        | 2    | 0      | 1        | 1    | 0      | 866    | 176 | 28  |
| 1981 | 3       | 3    | 0      | 25       | 5    | 2      | 33     | 13   | 1      | 84     | 18   | 13     | 187    | 24   | 0      | 223    | 29   | 8      | 98     | 27   | 0      | 64     | 22   | 0      | 26        | 16   | 0      | 32      | 12   | 0      | 7        | 5    | 0      | 1        | 1    | 0      | 783    | 175 | 24  |
| 1982 | 18      | 8    | 1      | 3        | 2    | 0      | 60     | 15   | 6      | 150    | 20   | 30     | 327    | 28   | 14     | 198    | 30   | 4      | 95     | 29   | 0      | 34     | 15   | 0      | 38        | 12   | 2      | 9       | 4    | 0      | 19       | 6    | 0      | 95       | 13   | 7      | 1046   | 182 | 64  |
| 1983 | 13      | 2    | 2      | 41       | 7    | 1      | 71     | 21   | 0      | 65     | 15   | 6      | 249    | 26   | 14     | 178    | 27   | 2      | 99     | 27   | 4      | 76     | 21   | 0      | 20        | 15   | 0      | 12      | 5    | 0      | 49       | 11   | 0      | 58       | 13   | 5      | 931    | 190 | 34  |
| 1984 | 1       | 1    | 0      | 27       | 4    | 0      | 73     | 15   | 64     | 176    | 22   | 33     | 169    | 27   | 6      | 242    | 25   | 14     | 72     | 21   | 0      | 47     | 20   | 0      | 17        | 12   | 0      | 49      | 12   | 4      | 30       | 5    | 1      | 4        | 2    | 0      | 907    | 166 | 122 |
| 1985 | 2       | 2    | 0      | 7        | 4    | 0      | 38     | 12   | 2      | 134    | 19   | 5      | 182    | 28   | 78     | 82     | 24   | 3      | 51     | 19   | 0      | 108    | 26   | 3      | 40        | 16   | 0      | 18      | 8    | 0      | 19       | 8    | 3      | 2        | 0    | 684    | 168    | 94  |     |
| 1986 | 0       | 0    | 0      | 30       | 11   | 2      | 75     | 9    | 6      | 84     | 17   | 2      | 173    | 25   | 1      | 134    | 25   | 0      | 88     | 24   | 3      | 67     | 23   | 1      | 65        | 17   | 0      | 26      | 7    | 0      | 17       | 8    | 0      | 5        | 2    | 0      | 764    | 168 | 15  |
| 1987 | 6       | 3    | 0      | 19       | 4    | 6      | 38     | 11   | 1      | 20     | 8    | 1      | 126    | 25   | 31     | 132    | 29   | 2      | 163    | 28   | 0      | 63     | 24   | 1      | 19        | 10   | 0      | 1       | 1    | 0      | 55       | 5    | 11     | 14       | 3    | 6      | 656    | 151 | 59  |
| 1988 | 17      | 3    | 5      | 4        | 3    | 0      | 28     | 10   | 1      | 58     | 16   | 4      | 132    | 24   | 3      | 63     | 21   | 0      | 103    | 23   | 0      | 61     | 13   | 3      | 76        | 16   | 1      | 19      | 8    | 0      | 121      | 13   |        |          |      |        |        |     |     |



# TORNADOES, TORNADO DAYS AND DEATHS BY STATE AND NATION 1953-2009



| STATE                | TORNADOES |         |          |       |       |       |                           | DAYS  |         | DEATHS |         |                           |
|----------------------|-----------|---------|----------|-------|-------|-------|---------------------------|-------|---------|--------|---------|---------------------------|
|                      | TOTAL     | AVERAGE | GREATEST | YEAR  | LEAST | YEAR  | PER #<br>10,000<br>Sq.Mi. | TOTAL | AVERAGE | TOTAL  | AVERAGE | PER #<br>10,000<br>Sq.Mi. |
| ALABAMA              | 1670      | 29      | 94       | 2008  | 5     | 1956  | 5.62                      | 696   | 12      | 382    | 7       | 74                        |
| ALASKA               | 4         | 0       | 2        | 2004  | 0     | 1989+ | .00                       | 4     | 0       | 0      | 0       | 0                         |
| ARIZONA              | 225       | 4       | 17       | 1972  | 0     | 1965+ | .36                       | 176   | 3       | 3      | 0       | 0                         |
| ARKANSAS             | 1529      | 27      | 106      | 1999  | 2     | 1987+ | 5.08                      | 585   | 10      | 283    | 5       | 53                        |
| CALIFORNIA           | 389       | 7       | 29       | 2005  | 0     | 1968+ | .44                       | 275   | 5       | 0      | 0       | 0                         |
| COLORADO             | 1906      | 33      | 98       | 1996+ | 1     | 1959  | 3.17                      | 913   | 16      | 5      | 0       | 0                         |
| CONNECTICUT          | 82        | 1       | 8        | 1973  | 0     | 1988+ | 2.00                      | 69    | 1       | 4      | 0       | 8                         |
| DELAWARE             | 57        | 1       | 6        | 1992  | 0     | 1987+ | 4.86                      | 46    | 1       | 2      | 0       | 10                        |
| DISTRICT OF COLUMBIA | 2         | 0       | 1        | 1995+ | 0     |       | .0                        | 0     | 2       | 0      | 0       |                           |
| FLORIDA              | 3074      | 54      | 115      | 1997  | 10    | 1956  | 9.22                      | 1852  | 32      | 162    | 3       | 28                        |
| GEORGIA              | 1368      | 24      | 63       | 2008  | 2     | 1987  | 4.08                      | 648   | 11      | 184    | 3       | 31                        |
| HAWAII               | 38        | 1       | 4        | 1971  | 0     | 1987+ | 1.55                      | 34    | 1       | 0      | 0       | 0                         |
| IDAHO                | 194       | 3       | 13       | 2000  | 0     | 1977+ | .36                       | 153   | 3       | 0      | 0       | 0                         |
| ILLINOIS             | 2094      | 37      | 124      | 2006  | 4     | 1953  | 6.56                      | 790   | 14      | 198    | 3       | 35                        |
| INDIANA              | 1234      | 22      | 49       | 1990  | 4     | 1984  | 6.06                      | 558   | 10      | 252    | 4       | 69                        |
| IOWA                 | 2183      | 38      | 120      | 2004  | 7     | 1956  | 6.75                      | 841   | 15      | 80     | 1       | 14                        |
| KANSAS               | 3512      | 62      | 187      | 2008  | 14    | 1976  | 7.54                      | 1210  | 21      | 223    | 4       | 27                        |
| KENTUCKY             | 744       | 13      | 39       | 1997  | 0     | 1953  | 3.22                      | 350   | 6       | 142    | 2       | 35                        |
| LOUISIANA            | 1642      | 29      | 79       | 1992+ | 3     | 1955  | 5.98                      | 841   | 15      | 124    | 2       | 26                        |
| MAINE                | 109       | 2       | 11       | 1971  | 0     | 1987+ | .60                       | 96    | 2       | 1      | 0       | 0                         |
| MARYLAND             | 310       | 5       | 24       | 1995  | 0     | 1988+ | 4.73                      | 185   | 3       | 7      | 0       | 7                         |
| MASSACHUSETTS        | 149       | 3       | 12       | 1958  | 0     | 1988+ | 3.63                      | 108   | 2       | 102    | 2       | 124                       |
| MICHIGAN             | 931       | 16      | 39       | 1974  | 2     | 1959  | 2.75                      | 517   | 9       | 241    | 4       | 41                        |
| MINNESOTA            | 1487      | 26      | 73       | 2001  | 5     | 1988+ | 3.09                      | 673   | 12      | 89     | 2       | 11                        |
| MISSISSIPPI          | 1734      | 30      | 109      | 2008  | 1     | 1979  | 6.29                      | 711   | 12      | 396    | 7       | 83                        |
| MISSOURI             | 1882      | 33      | 102      | 2006  | 6     | 1987+ | 4.74                      | 738   | 13      | 233    | 4       | 33                        |
| MONTANA              | 372       | 7       | 30       | 1991  | 0     | 1974+ | .48                       | 252   | 4       | 1      | 0       | 0                         |
| NEBRASKA             | 2542      | 45      | 111      | 2004  | 10    | 1966  | 5.83                      | 1033  | 18      | 54     | 1       | 7                         |
| NEVADA               | 80        | 1       | 8        | 1987+ | 0     | 1985+ | .09                       | 71    | 1       | 0      | 0       | 0                         |
| NEW HAMPSHIRE        | 81        | 1       | 9        | 1963  | 0     | 1987+ | 1.07                      | 72    | 1       | 1      | 0       | 1                         |
| NEW JERSEY           | 138       | 2       | 17       | 1989  | 0     | 1984+ | 2.55                      | 104   | 2       | 1      | 0       | 1                         |
| NEW MEXICO           | 534       | 9       | 31       | 1991  | 0     | 1953  | .74                       | 373   | 7       | 5      | 0       | 0                         |
| NEW YORK             | 373       | 7       | 25       | 1992  | 0     | 1953  | 1.41                      | 249   | 4       | 21     | 0       | 4                         |
| NORTH CAROLINA       | 1122      | 20      | 67       | 2004  | 2     | 1970  | 3.79                      | 551   | 10      | 100    | 2       | 19                        |
| NORTH DAKOTA         | 1303      | 23      | 58       | 1999  | 2     | 1961  | 3.25                      | 619   | 11      | 23     | 0       | 3                         |
| OHIO                 | 881       | 15      | 61       | 1992  | 0     | 1988  | 3.64                      | 452   | 8       | 182    | 3       | 44                        |
| OKLAHOMA             | 3151      | 55      | 144      | 1999  | 17    | 1988  | 7.87                      | 1155  | 20      | 344    | 6       | 49                        |
| OREGON               | 106       | 2       | 14       | 1997  | 0     | 1988+ | .21                       | 94    | 2       | 0      | 0       | 0                         |
| PENNSYLVANIA         | 680       | 12      | 60       | 1998  | 0     | 1959  | 2.65                      | 391   | 7       | 83     | 1       | 18                        |
| PUERTO RICO          | 15        | 0       | 2        | 1979+ | 0     | 1989+ | .00                       | 14    | 0       | 0      | 0       | 0                         |
| RHODE ISLAND         | 10        | 0       | 3        | 1986  | 0     | 1988+ | .00                       | 9     | 0       | 0      | 0       | 0                         |
| SOUTH CAROLINA       | 892       | 16      | 86       | 2004  | 1     | 1986+ | 5.15                      | 436   | 8       | 52     | 1       | 17                        |
| SOUTH DAKOTA         | 1659      | 29      | 85       | 1993  | 1     | 1958  | 3.76                      | 678   | 12      | 15     | 0       | 2                         |
| TENNESSEE            | 921       | 16      | 45       | 2003+ | 1     | 1987+ | 3.79                      | 398   | 7       | 234    | 4       | 55                        |
| TEXAS                | 7879      | 138     | 232      | 1967+ | 32    | 1953  | 5.16                      | 2773  | 49      | 516    | 9       | 19                        |
| UTAH                 | 118       | 2       | 7        | 1998  | 0     | 1989+ | .24                       | 100   | 2       | 1      | 0       | 0                         |
| VERMONT              | 40        | 1       | 5        | 1962  | 0     | 1985+ | 1.04                      | 35    | 1       | 0      | 0       | 0                         |
| VIRGINIA             | 605       | 11      | 84       | 2004  | 1     | 1982+ | 2.70                      | 308   | 5       | 25     | 0       | 6                         |
| VIRGIN ISLANDS       | 2         | 0       | 1        | 1979+ | 0     | 1989+ | .00                       | 2     | 0       | 0      | 0       | 0                         |
| WASHINGTON           | 104       | 2       | 14       | 1997  | 0     | 1988+ | .29                       | 87    | 2       | 6      | 0       | 1                         |
| WEST VIRGINIA        | 122       | 2       | 16       | 1998  | 0     | 1988+ | .83                       | 95    | 2       | 2      | 0       | 1                         |
| WISCONSIN            | 1183      | 21      | 62       | 2005  | 3     | 1953  | 3.81                      | 560   | 10      | 87     | 2       | 16                        |
| WYOMING              | 593       | 10      | 42       | 1977  | 0     | 1970  | 1.02                      | 393   | 7       | 4      | 0       | 0                         |
| PACIFIC ISLANDS      | 2         | 0       | 1        | 1981+ | 0     | 1989+ | .00                       | 2     | 0       | 0      | 0       | 0                         |
| UNITED STATES        | 53700*    | 942     | 1819     | 2004  | 421   | 1953  | 2.61                      | 0130& | 178     | 4870   | 85      | 13                        |

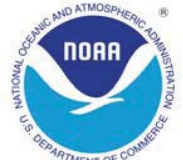
+ ALSO IN EARLIER YEAR(S).

\* CORRECTED FOR BOUNDARY-CROSSING TORNADOES.  
& TORNADOES 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 - 2009



| YEAR | NUMBER<br>TORNADOES | TORNADO<br>DAYS | TOTAL<br>DEATHS | MOST DEATHS<br>IN SINGLE<br>TORNADO | TOTAL<br>PROPERTY<br>LOSSES \$ | PROPERTY LOSS FREQUENCY * |               |                        |
|------|---------------------|-----------------|-----------------|-------------------------------------|--------------------------------|---------------------------|---------------|------------------------|
|      |                     |                 |                 |                                     |                                | CATEGORY<br>5             | CATEGORY<br>6 | CATEGORY<br>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                        | 10            | 0                      |
| 1921 | 105                 | 55              | 202             | 61                                  | 7                              | 22                        | 3             | 0                      |
| 1922 | 108                 | 64              | 135             | 16                                  | 7                              | 27                        | 5             | 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                     |

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.



## NATIONAL TORNADOES, TORNADO DAYS, DEATHS AND RESULTING LOSSES BY YEARS, 1916 - 2009



| YEAR | NUMBER<br>TORNADOES | TORNADO<br>DAYS | TOTAL<br>DEATHS | MOST DEATHS<br>IN SINGLE<br>TORNADO | TOTAL<br>PROPERTY<br>LOSSES \$ | PROPERTY LOSS FREQUENCY * |               |                        |
|------|---------------------|-----------------|-----------------|-------------------------------------|--------------------------------|---------------------------|---------------|------------------------|
|      |                     |                 |                 |                                     |                                | CATEGORY<br>5             | CATEGORY<br>6 | CATEGORY<br>7 AND OVER |
| 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                     |
| 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 | 1173                | 194             | 26              | 7                                   | 9                              | 225                       | 92            | 20                     |
| 1997 | 1148                | 196             | 67              | 27                                  | 8                              | 201                       | 63            | 10                     |
| 1998 | 1449                | 202             | 130             | 32                                  | 9                              | 317                       | 122           | 39                     |
| 1999 | 1340                | 186             | 92              | 36                                  | 8                              | 227                       | 104           | 21                     |
| 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                     |
| 2003 | 1372                | 163             | 54              | 11                                  | 8                              | 212                       | 86            | 38                     |
| 2004 | 1819                | 190             | 35              | 8                                   | 8                              | 281                       | 94            | 19                     |
| 2005 | 1194                | 181             | 38              | 24                                  | 8                              | 201                       | 56            | 17                     |
| 2006 | 1119                | 176             | 65              | 16                                  | 8                              | 194                       | 95            | 23                     |
| 2007 | 1096                | 176             | 81              | 13                                  | 9                              | 205                       | 75            | 22                     |
| 2008 | 1698                | 169             | 126             | 22                                  | 9                              | 425                       | 150           | 56                     |
| 2009 | 1155                | 168             | 210             | 80                                  | 5                              | 1                         | 0             | 0                      |
| MEAN | 922                 | 174             | 85              | -                                   | -                              | 155                       | 52            | 12                     |

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.



