

# 2005 Annual Summaries

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

## FLOOD/FLASH FLOOD



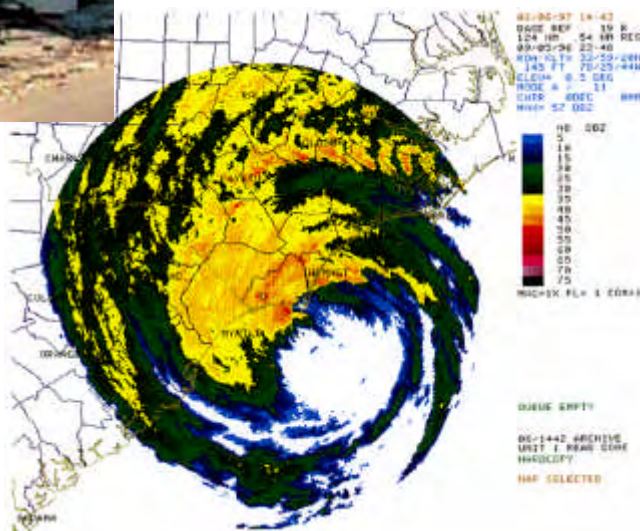
## Lightning



## Tornado



## Hurricane



# 2005 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 2005 in the United States



This National Weather Service (NWS) report summarizes fatalities, injuries and damages caused by severe weather in 2005. 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 2005 Weather Events, Fatalities, Injuries, and Damage Costs

LAST UPDATED : 3/15/2007

<u>Weather Event</u>	<u>Fatalities</u>	<u>Injuries</u>	<u>Amount of Property Damage (M)</u>	<u>Amount of Crop Damage (M)</u>	<u>Total Prop/Crop Damage (M)</u>
<b><u>Convection</u></b>					
Lightning	38	309	\$ 52.4	\$ 0.4	\$ 52.8
Tornado	38	537	421.8	82.1	503.9
Tstm Wind	16	185	398.7	11.9	410.6
Hail	1	8	480.5	56.1	536.6
<b><u>Extreme Temperatures</u></b>					
Cold	24	1	0.1	139.2	139.3
Heat	158	298	3.0	0.0	3.0
<b><u>Flood</u></b>					
Flash Flood	28	22	293.2	35.3	328.5
River Flood	15	16	1,244.5	68.9	1,313.4
Small Stream/Urban Flood	0	0	0.0	0.0	0.0
<b><u>Marine</u></b>					
Coastal Storm	6	12	2.2	0.0	2.2
Tsunami	0	0	0.0	0.0	0.0
Rip Current	35	9	0.0	0.0	0.0
<b><u>Tropical Cyclones</u></b>					
Tropical Storm/Hurricane	1016	130	93,064.4	2,075.2	95,139.6
<b><u>Winter</u></b>					
Winter Storm	34	72	293.8	0.1	293.9
Ice	0	0	0.0	0.0	0.0
Avalanche	11	16	0.2	0.0	0.2
<b><u>Other</u></b>					
Drought	0	0	77.4	1,311.1	1,388.5
Dust Storm	0	32	0.1	0.0	0.1
Dust Devil	0	0	0.0	0.0	0.0
Rain	8	39	264.2	228.6	492.8
Fog	0	0	0.0	0.0	0.0
High Wind	7	43	58.5	21.9	80.4
Waterspout	0	0	0.0	0.0	0.0
Fire Weather	0	0	40.7	0.0	40.7
Mud Slide	11	11	91.5	0.0	91.5
Volcanic Ash	0	0	0.0	0.0	0.0
Miscellaneous	5	94	1.6	0.2	1.8
<b>TOTALS</b>	<b>1451</b>	<b>1834</b>	<b>\$96,788.8M</b>	<b>\$4,031.0M</b>	<b>\$100,819.8M</b>

## Summary of 2005 Natural Hazard Statistics

Largely as a result of Hurricane Katrina and a record number of other tropical cyclones, in 2005, there were 1,451 weather-related fatalities, almost four times the 369 fatalities in 2004. The 2005 fatality number is well above the 10-year average (1996-2005) of 117 and dramatically above the 30 year average of 49.

In addition to hurricanes, extremely high temperatures throughout many parts of the nation in the summer of 2005 made heat the next biggest weather killer, with 158 fatalities, up from just 6 deaths in 2004. Following far behind in casualties were flooding, with 43 deaths, and rip currents with 35 victims.

Despite the enormous loss of life, weather-related injuries dropped in 2005 to 1,834 from 2,428 in 2004. Tornadoes surpassed hurricanes as the major source of injuries in 2005 with 537. Lightning was responsible for another 309 injuries, followed by thunderstorms and high winds with 228 and hurricanes with 130.

Of the 1,451 weather-related fatalities, males accounted for 818 and females, 620. In most years, more than twice as many males are killed by extreme weather as females. Females were more likely to be victims only in lowest age group, 0-9 years old, and the highest age brackets: those more than 70 years of age. In all other age ranges, there were more male than female deaths.

August was by far the deadliest month with 1,035 fatalities, most of which were from Hurricane Katrina. As to be expected, in 2005, Louisiana was hardest hit by weather, losing 820 citizens, almost all from Katrina. Mississippi lost 181 residents to hurricanes. July was the next most deadly month with 116 victims, most succumbing to extreme heat. Texas numbered 67 victims, most from heat, which also claimed 51 of 59 lives lost to weather in Arizona and 26 of 35 weather victims in Pennsylvania.

Severe weather caused \$96.8 billion in property damages in 2005, up from \$25.3 billion in 2004. As in 2004, hurricanes were the most damaging weather with an estimated \$93 billion in claims from Katrina and the record number of other tropical cyclones. Flooding came in an extremely distant second in the damages category with \$1.5 billion in losses.

Crop damages for 2005 totaled \$4.03 billion. Not surprisingly, hurricanes were responsible for the bulk of those losses with damages estimated at \$2.1 billion. Drought destroyed \$1.3 billion in crops. Louisiana took the dubious honor of highest weather related property and crop damages, totaling \$52.8 billion in losses.

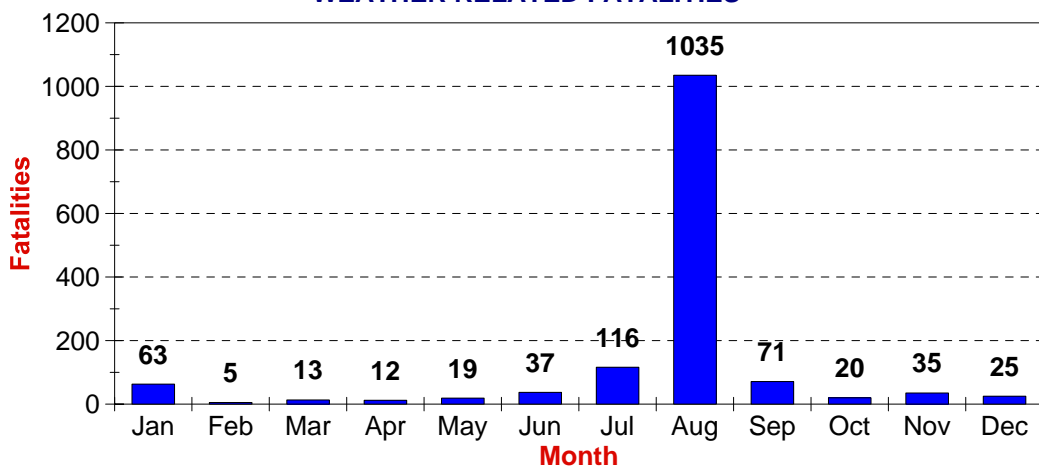
## 2005 Summary of all Natural Hazards

### 2005 SUMMARY OF FATALITIES FOR ALL HAZARDS BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	12	9	0	21	1
10 TO 19	19	32	0	51	4
20 TO 29	14	44	0	58	4
30 TO 39	18	47	2	67	5
40 TO 49	39	101	0	140	10
50 TO 59	66	136	0	202	14
60 TO 69	78	143	0	221	15
70 TO 79	137	127	0	264	18
80 TO 89	158	117	0	275	19
90 TO --	63	33	0	96	7
UNKNOWN	16	29	11	56	4
<b>TOTAL</b>	<b>620</b>	<b>818</b>	<b>13</b>	<b>1451</b>	<b>100*</b>
<b>PERCENT</b>	<b>43</b>	<b>56</b>	<b>1</b>	<b>100</b>	

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

### 2005 MONTHLY WEATHER RELATED FATALITIES



## 2005 Summary of Hazardous Weather Fatalities, Injuries, and Damage Costs Listed by State

<u>State</u>	<u>Fatalities</u>	<u>Injuries</u>	<u>Property Damage (M)</u>	<u>Crop Damage (M)</u>	<u>Total Damage (M)</u>
AK	0	7	17.0	0.2	17.2
AL	8	36	1,178.2	0.1	1,178.3
AR	4	36	10.0	7.8	17.8
AZ	59	17	8.8	0.0	8.8
CA	25	55	884.9	279.8	1,164.7
CO	13	35	8.1	0.0	8.1
CT	3	6	6.6	0.0	6.6
DC	0	1	0.1	0.0	0.1
DE	1	0	0.3	0.0	0.3
FL	31	57	12,091.2	510.8	12,602.0
GA	11	78	180.0	0.6	180.6
GU	4	1	2.0	0.7	2.7
HI	1	7	0.2	0.0	0.2
IA	4	20	33.4	211.1	244.5
ID	2	0	6.8	0.0	6.8
IL	15	71	7.9	255.2	263.1
IN	29	288	117.3	0.0	117.3
KS	8	40	97.9	12.6	110.5
KY	4	142	77.3	0.0	77.3
LA	820	34	52,777.0	56.8	52,833.8
MA	0	28	20.0	0.0	20.0
MD	4	41	3.7	0.0	3.7
ME	1	2	8.9	0.0	8.9
MI	2	14	20.0	0.5	20.5
MN	5	20	312.3	0.3	312.6
MO	16	177	12.1	22.8	34.9
MS	187	135	24,872.9	1,522.7	26,395.6
MT	1	7	8.9	0.1	9.0
NC	9	30	64.6	12.1	76.7
ND	1	7	124.4	0.1	124.5
NE	2	10	117.0	67.5	184.5
NH	4	9	21.3	0.2	21.5
NJ	9	5	100.7	0.0	100.7
NM	1	2	5.7	0.5	6.2
NV	2	32	31.8	0.0	31.8
NY	8	16	118.4	0.3	118.7
OH	6	13	207.4	0.0	207.4
OK	6	26	86.9	35.0	121.9
OR	2	4	17.1	0.2	17.3
PA	35	73	166.0	0.0	166.0
PR	5	0	27.2	0.0	27.2
RI	0	2	2.4	0.0	2.4
SC	6	9	13.2	0.2	13.4
SD	1	5	21.9	23.8	45.7
TN	4	25	20.2	0.0	20.2
TX	67	74	2,434.7	904.7	3,339.4
UT	8	35	300.4	0.0	300.4
VA	2	7	4.1	0.0	4.1
VI	0	0	0.1	0.0	0.1
VT	0	0	6.1	0.0	6.1
WA	4	23	14.5	100.3	114.8
WI	2	41	86.9	4.1	91.0
WV	5	4	15.1	0.0	15.1
WY	3	25	6.9	0.0	6.9
<b>TOTAL</b>	<b>1450</b>	<b>1832</b>	<b>\$96,778.8M</b>	<b>\$4,031.1M</b>	<b>\$100,809.9M</b>

NOTE: Amounts may be slightly different than those indicated on front page due to those events not occurring in within a state boundary

## 2005 Lightning Fatalities

In 2005, there were 38 lightning fatalities, 6 more than the 2004 total of 32. The 2005 number falls below the 10-year average of 44 fatalities. For the 7th consecutive year, Florida was hardest hit with 5 fatalities. Pennsylvania lost 4 residents to lightning, while Ohio numbered 3 lightning deaths. As per previous years, the most dangerous place to be in 2005 was in the open, with 21 deaths, up from 13 lightning victims in 2004. The next most dangerous location was under a tree with 8 deaths. In 2005, over eight times as many males, 33, (87%) as females, 4, (11%) were killed by lightning. The 30-49 age range accounted for 45% of the fatalities with 17 deaths. Youths aged 10-19 accounted for another 8 deaths, (21%). Typically, lightning most severely affects younger ages that are active outside.

### 2005 LIGHTNING FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BF</u>	<u>BO</u>	<u>CA</u>	<u>EQ</u>	<u>GF</u>	<u>IW</u>	<u>OT</u>	<u>OU</u>	<u>TE</u>	<u>UT</u>	<u>TOTAL</u>
AL	0	0	0	0	0	0	0	2	0	0	2
AZ	0	0	0	0	0	0	0	0	0	1	1
CA	0	0	2	0	0	0	0	0	0	0	2
CO	0	0	0	0	0	0	0	1	0	0	1
FL	1	0	0	0	0	0	0	4	0	0	5
GA	0	0	0	0	0	0	0	0	0	2	2
IA	0	0	0	0	1	0	0	0	0	0	1
IL	0	0	0	0	0	0	0	1	0	0	1
KY	0	0	0	0	0	0	0	2	0	0	2
LA	0	0	0	0	0	0	0	1	0	0	1
ME	0	1	0	0	0	0	0	0	0	0	1
MO	0	0	0	0	0	0	0	2	0	0	2
MS	0	0	0	0	0	0	1	1	0	0	2
NC	0	0	0	0	0	0	0	0	0	1	1
OH	0	0	0	0	1	0	0	1	0	1	3
OK	0	0	0	0	0	0	0	0	0	1	1
PA	0	0	0	0	1	0	0	2	0	1	4
SC	0	0	0	0	0	0	0	1	0	0	1
TN	0	0	0	0	0	0	0	1	0	1	2
TX	0	0	0	0	0	0	0	1	0	0	1
UT	0	0	1	0	0	0	0	0	0	0	1
WV	0	0	0	0	0	0	0	1	0	0	1
<b>TOTAL</b>	1	1	3	0	3	0	1	21	0	8	38
<b>PERCENT</b>	3	3	8	0	8	0	3	55	0	21	101*

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

### 2005 LIGHTNING FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	1	1	0	2	5
10 TO 19	1	7	0	8	21
20 TO 29	0	2	0	2	5
30 TO 39	0	8	0	8	21
40 TO 49	1	7	0	8	21
50 TO 59	0	2	0	2	5
60 TO 69	1	1	0	2	5
70 TO 79	0	1	0	1	3
80 TO 89	0	0	0	0	0
90 TO --	0	0	0	0	0
UNKNOWN	0	4	1	5	13
<b>TOTAL</b>	4	33	1	38	99*
<b>PERCENT</b>	11	87	3	100	

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

#### LEGEND

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

## 2005 Tornado Fatalities

During 2005, tornadoes in the United States caused 38 deaths. This number of deaths is up 3 from the 2004 total of 35 but down significantly from the 10-year average of 54. Tornado deaths remain below the 30-year average of 54 per year. As in most previous years, the most dangerous place to be during a tornado was in a mobile home, which accounted for 32 (84%) of 38 deaths. Only 3 deaths (8%) occurred in permanent homes. Tornado fatalities were fairly even spread between the sexes with slightly more males victims, 21, than female, 17. Victims spanned the age ranges from 20-69 fairly evenly with the highest toll in the 50-69 ranges (34%).

### 2005 TORNADO FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BU</u>	<u>LS</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>SC</u>	<u>VE</u>	<u>TOTAL</u>
AR	0	0	2	0	0	0	0	1	3
GA	0	0	3	0	1	0	0	0	4
IA	0	0	0	0	0	1	0	0	1
IN	0	0	23	0	0	0	0	1	24
KY	0	0	1	0	0	0	0	0	1
MO	0	0	0	0	0	1	0	0	1
MS	0	0	1	0	0	0	0	0	1
WI	0	0	0	0	0	1	0	0	1
WY	0	0	2	0	0	0	0	0	2
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>32</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>38</b>
<b>PERCENT</b>	<b>0</b>	<b>0</b>	<b>84</b>	<b>0</b>	<b>3</b>	<b>8</b>	<b>0</b>	<b>5</b>	<b>100</b>

### 2005 TORNADO FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	1	3	0	4	11
10 TO 19	1	0	0	1	3
20 TO 29	2	3	0	5	13
30 TO 39	2	3	0	5	13
40 TO 49	3	1	0	4	11
50 TO 59	1	5	0	6	16
60 TO 69	4	3	0	7	18
70 TO 79	1	1	0	2	5
80 TO 89	2	1	0	3	8
90 TO --	0	1	0	1	3
UNKNOWN	0	0	0	0	0
<b>TOTAL</b>	<b>17</b>	<b>21</b>	<b>0</b>	<b>38</b>	<b>101*</b>
<b>PERCENT</b>	<b>45</b>	<b>55</b>	<b>0</b>	<b>100</b>	

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

#### LEGEND

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



## 2005 Flash Flood / River Flood Related Fatalities

In 2005, flash floods, river floods, and urban/small stream floods claimed 43 lives, down from 82 in 2004 and 86 in 2003. The actual number of flood fatalities for 2005 is likely higher than these numbers reflect due to Hurricane Katrina but many victims could not be classified as flood deaths because of the delay in finding them. The 2005 flood casualty total is well below the 10-year average of 74 deaths. Of the 43 fatalities, 19 were in water and 18 in vehicles.

California suffered the most flood-related losses with 6. Arizona and New Hampshire each numbered 4 flooding deaths. Flash floods caused 28 deaths; river floods, 15; small stream or urban flooding, 0. Fatalities were spread fairly evenly among age groups, with 10-19 year olds most affected with 8 victims (19%), followed by 7 (16%) in the 60-69 year olds age range.

<b>2005 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE AND LOCATION</b>									
<b>STATE</b>	<b>BO</b>	<b>BU</b>	<b>CA</b>	<b>IW</b>	<b>MH</b>	<b>OT</b>	<b>PH</b>	<b>VE</b>	<b>TOTAL</b>
AL	0	0	0	0	0	1	0	0	1
AR	0	0	0	1	0	0	0	0	1
AZ	0	0	0	1	0	0	0	3	4
CA	0	0	0	5	0	1	0	0	6
CO	0	0	0	2	0	0	0	0	2
CT	0	0	0	2	0	0	0	0	2
GA	0	0	0	1	0	0	0	0	1
IA	1	0	0	0	0	0	0	0	1
IN	0	0	0	0	0	0	0	1	1
KS	0	0	0	1	0	0	0	0	1
KY	0	0	0	0	0	1	0	0	1
MN	0	0	0	0	0	0	0	1	1
MO	0	0	0	0	0	0	0	3	3
NH	1	0	0	1	0	0	0	2	4
NM	0	0	0	1	0	0	0	0	1
NY	0	0	0	0	0	0	0	2	2
OH	0	0	0	0	1	0	0	2	3
PA	0	0	0	0	0	0	0	1	1
PR	0	0	0	3	0	0	0	0	3
TX	0	0	0	1	0	0	0	2	3
UT	0	0	0	0	0	0	0	1	1
<b>TOTAL</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>18</b>	<b>43</b>
<b>PERCENT</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>44</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>42</b>	<b>100</b>

<b>2005 FLASH FLOOD / RIVER FLOOD FATALITIES BY AGE AND GENDER</b>					
	<b>FEMALE</b>	<b>MALE</b>	<b>UNKNOWN</b>	<b>TOTAL</b>	<b>PERCENT</b>
0 TO 9	2	2	0	4	9
10 TO 19	5	3	0	8	19
20 TO 29	0	1	0	1	2
30 TO 39	1	4	0	5	12
40 TO 49	0	3	0	3	7
50 TO 59	2	1	0	3	7
60 TO 69	1	6	0	7	16
70 TO 79	1	1	0	2	5
80 TO 89	2	1	0	3	7
90 TO --	0	0	0	0	0
UNKNOWN	2	5	0	7	16
<b>TOTAL</b>	<b>16</b>	<b>27</b>	<b>0</b>	<b>43</b>	<b>100</b>
<b>PERCENT</b>	<b>37</b>	<b>63</b>	<b>0</b>	<b>100</b>	

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

## 2005 Flash Flood / River Flood Related Fatalities (Continued)

### 2005 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE

<u>STATE</u>	<u>FLASH FLOOD</u>	<u>RIVER FLOOD</u>	<u>TOTAL</u>
AL	1	0	1
AR	1	0	1
AZ	4	0	4
CA	4	2	6
CO	2	0	2
CT	0	2	2
GA	1	0	1
IA	0	1	1
IN	0	1	1
KS	1	0	1
KY	0	1	1
MN	1	0	1
MO	2	1	3
NH	2	2	4
NM	0	1	1
NY	2	0	2
OH	2	1	3
PA	1	0	1
PR	3	0	3
TX	1	2	3
UT	0	1	1
<b>TOTAL</b>	<b>28</b>	<b>15</b>	<b>43</b>
<b>PERCENT</b>	<b>65</b>	<b>35</b>	<b>100</b>

### 2005 FLASH FLOOD / RIVER FLOOD FATALITIES BY GENDER

	<u>FLASH FLOOD</u>	<u>RIVER FLOOD</u>	<u>TOTAL</u>	<u>PERCENT</u>
FEMALE	10	6	16	37
MALE	18	9	27	63
UNKNOWN	0	0	0	0
<b>TOTAL</b>	<b>28</b>	<b>15</b>	<b>43</b>	<b>100</b>
<b>PERCENT</b>	<b>65</b>	<b>35</b>	<b>100</b>	

## 2005 Winter Weather Related Fatalities

There were 34 winter storm deaths in 2005, up from 28 in 2004. This number is above the 10-year below of 41. Texas claimed the highest death toll with 6, followed closely by Kansas with 5. The most hazardous place to be in the winter of 2005 was in a vehicle, which accounted for 16 (47%) of the winter weather victims, followed by people caught outside accounting for 14 deaths (41%). In 2005, the most affected age ranges were 20-29 and 70-79, each with 8 deaths (24%). There were no ice related deaths in 2005 but avalanches accounted for 11 fatalities, down from 12 in 2004.

### 2005 WINTER STORM FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>LS</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>VE</u>	<u>TOTAL</u>
AZ	0	0	0	0	0	2	2
CA	0	0	0	1	0	0	1
CO	0	0	0	1	0	0	1
CT	0	0	0	1	0	0	1
ID	0	0	0	2	0	0	2
IN	0	0	0	0	0	1	1
KS	0	0	1	0	2	2	5
MO	0	0	0	2	0	0	2
NC	0	0	0	0	1	1	2
NE	0	0	0	2	0	0	2
NV	0	0	0	0	0	1	1
PA	0	0	0	1	0	0	1
SD	0	0	0	1	0	0	1
TN	0	0	0	0	0	1	1
TX	0	0	0	1	0	5	6
UT	0	0	0	0	0	3	3
WA	0	0	0	2	0	0	2
<b>TOTAL</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14</b>	<b>3</b>	<b>16</b>	<b>34</b>
<b>PERCENT</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>41</b>	<b>9</b>	<b>47</b>	<b>100</b>

### 2005 WINTER STORM FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	1	1	0	2	6
10 TO 19	1	2	0	3	9
20 TO 29	2	6	0	8	24
30 TO 39	0	2	0	2	6
40 TO 49	0	1	0	1	3
50 TO 59	1	4	0	5	15
60 TO 69	1	1	0	2	6
70 TO 79	2	6	0	8	24
80 TO 89	0	1	0	1	3
90 TO --	0	0	0	0	0
UNKNOWN	1	1	0	2	6
<b>TOTAL</b>	<b>9</b>	<b>25</b>	<b>0</b>	<b>34</b>	<b>102*</b>
<b>PERCENT</b>	<b>26</b>	<b>74</b>	<b>0</b>	<b>100</b>	

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

#### LEGEND

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

## 2005 Tropical Cyclone Fatalities

The 2005 Atlantic Basin tropical cyclone season recorded an all-time record number of named tropical cyclones, going through all the Roman alphabet names and through the first six letters of the Greek alphabet for a total of 27 named tropical events, compared to 16 in 2004. (The letters Q,U,X,Y, and Z are not used to name hurricanes because there are insufficient names to chose from.)

Of the 31 tropical cyclones, 15 had wind speed measuring hurricane force, compared to 9 in 2004. A reported 539 males died as a result of hurricanes in 2005, compared with 477 females. Hurricane casualties rose with age. Seniors aged 70 and over were the hardest hit age group with 541 fatalities listed. A huge number of the deaths attributed to Hurricane Katrina went into the "other/unknown" category because the victims were not found until months or even a year after the event, too long to determine whether flooding, wind or other extreme weather was to blame.

The Pacific Basin logged 15 named storms: 7 Hurricanes and 8 Tropical Storms, down one from 16 tropical storms in 2003 and 2004. In August and September, Hurricanes Katrina, Rita and Wilma made landfall in Florida and the Gulf states claiming 1,016 lives and accumulating an estimated \$95.1 billion in property and crop damages.

### 2005 TROPICAL CYCLONE FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BO</u>	<u>BU</u>	<u>IW</u>	<u>LS</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>SC</u>	<u>VE</u>	<u>TOTAL</u>
FL	4	0	2	0	2	0	3	1	0	1	13
LA	1	0	0	0	0	816	0	0	0	0	817
MS	0	0	0	0	1	179	0	1	0	0	181
TX	0	0	0	0	1	0	1	3	0	0	5
<b>TOTAL</b>	<b>5</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>4</b>	<b>995</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>1016</b>
<b>PERCENT</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>98*</b>

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

### 2005 TROPICAL CYCLONE FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	3	1	0	4	0
10 TO 19	5	7	0	12	1
20 TO 29	6	12	0	18	2
30 TO 39	10	22	0	32	3
40 TO 49	29	67	0	96	9
50 TO 59	53	90	0	143	14
60 TO 69	57	98	0	155	15
70 TO 79	110	103	0	213	21
80 TO 89	139	105	0	244	24
90 TO --	58	26	0	84	8
UNKNOWN	7	8	0	15	1
<b>TOTAL</b>	<b>477</b>	<b>539</b>	<b>0</b>	<b>1016</b>	<b>98*</b>
<b>PERCENT</b>	<b>47</b>	<b>53</b>	<b>0</b>	<b>100</b>	

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

#### LEGEND

<b>BO</b>	- Boat
<b>BU</b>	- Business
<b>IW</b>	- In Water
<b>LS</b>	- Long-Span Roof
<b>MH</b>	- Mobile Home
<b>OT</b>	- Other/Unknown
<b>OU</b>	- Outside Open
<b>PH</b>	- Permanent Home
<b>SC</b>	- School
<b>VE</b>	- Vehicle

## 2005 Wind Related Fatalities

Wind related fatalities totaled 22 in 2005, down 20 from the 2004 total of 42. Deaths were scattered fairly evenly between categories, with vehicles being the most dangerous place to be in 2005 during a thunderstorm or high wind event, accounting for 27% (6) fatalities. Thunderstorm winds accounted for 16 deaths while high winds claimed 7 victims. West Virginia and Georgia each recorded the most wind related deaths at 3 each. More than twice as many males 16 (70%) as females 7 (30%) were victims. The hardest hit age range was 50-59 years old with 6 victims (26%).

### 2005 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BO</u>	<u>CA</u>	<u>LS</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>SC</u>	<u>VE</u>	<u>TOTAL</u>
CO	2	0	0	0	0	0	0	0	0	2
GA	0	0	1	0	0	0	1	0	1	3
HI	0	0	0	0	1	0	0	0	0	1
IA	0	1	0	0	0	0	0	0	0	1
IN	0	0	0	0	0	1	0	0	0	1
KS	1	0	0	0	0	0	0	0	0	1
MN	0	0	0	0	1	0	0	0	0	1
MS	0	0	0	0	1	0	0	0	0	1
NC	0	0	0	0	0	0	0	0	1	1
ND	0	0	0	1	0	0	0	0	0	1
NJ	0	0	0	0	1	0	0	0	0	1
NV	0	0	0	0	0	0	0	0	1	1
OK	0	0	0	0	0	0	0	0	1	1
SC	0	0	0	0	0	0	0	0	1	1
TN	0	0	0	0	1	0	0	0	0	1
WI	0	1	0	0	0	0	0	0	0	1
WV	0	0	0	0	0	2	0	0	1	3
<b>TOTAL</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>6</b>	<b>22</b>
<b>PERCENT</b>	<b>14</b>	<b>9</b>	<b>5</b>	<b>5</b>	<b>23</b>	<b>14</b>	<b>5</b>	<b>0</b>	<b>27</b>	<b>102*</b>

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

### 2005 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	1	0	0	1	4
10 TO 19	0	0	0	0	0
20 TO 29	0	2	0	2	9
30 TO 39	1	2	0	3	13
40 TO 49	0	3	0	3	13
50 TO 59	1	5	0	6	26
60 TO 69	2	1	0	3	13
70 TO 79	2	2	0	4	17
80 TO 89	0	0	0	0	0
90 TO --	0	0	0	0	0
UNKNOWN	0	1	0	1	4
<b>TOTAL</b>	<b>7</b>	<b>16</b>	<b>0</b>	<b>23</b>	<b>99*</b>
<b>PERCENT</b>	<b>30</b>	<b>70</b>	<b>0</b>	<b>100</b>	

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

#### LEGEND

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

## 2005 Wind Related Fatalities (Continued)

### 2005 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY STATE

<u>STATE</u>	<u>TSTM WIND</u>	<u>HIGH WIND</u>	<u>TOTAL</u>
CO	2	0	2
GA	1	2	3
HI	0	1	1
IA	1	0	1
IN	1	0	1
KS	1	0	1
MN	1	0	1
MS	1	0	1
NC	1	0	1
ND	1	0	1
NJ	0	1	1
NV	0	1	1
OK	1	0	1
SC	0	1	1
TN	1	0	1
WI	1	0	1
WV	2	1	3
<b>TOTAL</b>	<b>15</b>	<b>7</b>	<b>22</b>
<b>PERCENT</b>	<b>68</b>	<b>32</b>	<b>100</b>

### 2005 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY GENDER

	<u>TSTM WIND</u>	<u>HIGH WIND</u>	<u>TOTAL</u>	<u>PERCENT</u>
FEMALE	4	3	7	30
MALE	12	4	16	70
UNKNOWN	0	0	0	0
<b>TOTAL</b>	<b>16</b>	<b>7</b>	<b>23</b>	<b>100</b>
<b>PERCENT</b>	<b>70</b>	<b>30</b>	<b>100</b>	

## 2005 Heat Related Fatalities

In 2005, 158 people died as a result of extreme heat, up from only 6 fatalities in 2004, but still below the 10-year average for heat related fatalities of 170. In 2005, the most dangerous place to be was in a permanent home with little or no air conditioning, where a reported 51 deaths occurred. The next most dangerous locale was outdoors, where 40 people died trying to combat the heat.

Arizona and Texas was hardest hit by heat with 51 and 49 deaths respectively, followed by Pennsylvania with 26 fatalities. Extreme heat tends to affect senior citizens more severely than younger people. Deaths rose with each age range, dropping slightly for 30-39 year olds, and then peaking in the 60-69 age range with 26 losses (21%). As in most other weather fatality categories, many more males were killed by extreme heat (57%) than females (37%).

### 2005 HEAT RELATED FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BF</u>	<u>CA</u>	<u>GF</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>VE</u>	<u>TOTAL</u>
AL	0	0	0	0	1	0	1	1	3
AZ	0	0	0	0	23	22	5	1	51
CA	0	0	0	0	0	2	0	0	2
IL	0	0	0	1	1	1	3	0	6
KS	0	0	0	0	0	0	1	0	1
LA	0	0	0	0	0	1	1	0	2
MO	0	0	0	0	0	1	7	0	8
MS	0	0	0	0	0	2	0	0	2
NC	1	0	0	0	0	1	0	0	2
NJ	0	0	0	0	0	0	2	0	2
OK	0	0	0	0	0	1	0	0	1
PA	0	0	0	0	0	1	24	1	26
TX	0	0	0	0	16	5	7	21	49
UT	0	0	0	0	0	1	0	0	1
VA	0	0	0	0	0	1	0	0	1
WA	0	0	0	0	0	1	0	0	1
<b>TOTAL</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>41</b>	<b>40</b>	<b>51</b>	<b>24</b>	<b>158</b>
<b>PERCENT</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>26</b>	<b>25</b>	<b>32</b>	<b>15</b>	<b>100</b>

### 2005 HEAT RELATED FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	1	1	0	2	1
10 TO 19	1	2	0	3	2
20 TO 29	2	6	0	8	5
30 TO 39	2	1	0	3	2
40 TO 49	3	10	0	13	8
50 TO 59	6	17	0	23	15
60 TO 69	7	26	0	33	21
70 TO 79	19	10	0	29	18
80 TO 89	11	6	0	17	11
90 TO --	4	5	0	9	6
UNKNOWN	3	6	9	18	11
<b>TOTAL</b>	<b>59</b>	<b>90</b>	<b>9</b>	<b>158</b>	<b>100</b>
<b>PERCENT</b>	<b>37</b>	<b>57</b>	<b>6</b>	<b>100</b>	

#### LEGEND

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

## 2005 Cold Related Fatalities

In 2005, hypothermia claimed 24 lives, down from 27 in 2004. This total is above the 10-year average for cold related fatalities of 18. Illinois again had the most deaths, 8. New Jersey numbered 4 victims. Of the 24 cold related deaths, 10 (42%) occurred in a permanent home, likely with little or no heat, while 9 (38%) happened outside. As in 2004, the death toll was much heavier for males, 15 (63%) than females 9 (38%). Once again deaths rose with age: 22 of 24 deaths fell in the 50+ age ranges.

### 2005 COLD RELATED FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>IW</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>VE</u>	<u>TOTAL</u>
IL	0	0	4	0	4	0	8
MI	0	0	0	1	0	0	1
MN	0	0	0	2	0	1	3
MT	0	0	0	1	0	0	1
NJ	0	0	0	0	4	0	4
NY	0	0	0	3	0	0	3
PA	0	0	0	2	1	0	3
WV	0	0	0	0	1	0	1
<b>TOTAL</b>	0	0	4	9	10	1	24
<b>PERCENT</b>	0	0	17	38	42	4	101*

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

### 2005 COLD RELATED FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	0	0	0	0	0
10 TO 19	0	0	0	0	0
20 TO 29	0	0	0	0	0
30 TO 39	0	0	0	0	0
40 TO 49	1	1	0	2	8
50 TO 59	1	5	0	6	25
60 TO 69	2	3	0	5	21
70 TO 79	0	2	0	2	8
80 TO 89	4	3	0	7	29
90 TO --	1	1	0	2	8
UNKNOWN	0	0	0	0	0
<b>TOTAL</b>	9	15	0	24	99*
<b>PERCENT</b>	38	63	0	100	

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

#### LEGEND

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





# TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR YEAR 2005



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	0	0	0	0	0	0	2	0	0	0	0	0	2
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	0	0	0	1	0	0	0	0	0	0	0	1
ARKANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	0	0	0	0	0	0	2	0	0	0	0	0	2
COLORADO	0	0	0	0	0	0	0	0	1	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	1	0	1	0	2	0	1	0	0	5
GEORGIA	0	0	0	0	0	0	2	0	0	0	0	0	2
HAWAII	0	0	0	0	0	0	0	0	0	0	0	0	0
IDAHO	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	0	0	0	0	0	1	0	0	0	0	0	0	1
INDIANA	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	0	0	0	0	0	0	0	0	1	0	0	0	1
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	0	0	0	0	0	1	0	1	0	0	0	0	2
LOUISIANA	0	0	0	0	0	0	1	0	0	0	0	0	1
MAINE	0	0	0	0	0	1	0	0	0	0	0	0	1
MARYLAND	0	0	0	0	0	0	0	0	0	0	0	0	0
MASSACHUSETTS	0	0	0	0	0	0	0	0	0	0	0	0	0
MICHIGAN	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSISSIPPI	0	0	0	1	0	0	0	1	0	0	0	0	2
MISSOURI	0	0	0	0	0	0	0	0	0	2	0	0	2
MONTANA	0	0	0	0	0	0	0	0	0	0	0	0	0
NEBRASKA	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW JERSEY	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW MEXICO	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH CAROLINA	0	0	0	0	0	0	1	0	0	0	0	0	1
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
OHIO	0	0	0	0	0	3	0	0	0	0	0	0	3
OKLAHOMA	0	0	0	0	0	0	1	0	0	0	0	0	1
OREGON	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA	0	0	0	0	0	2	1	1	0	0	0	0	4
PUERTO RICO	0	0	0	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CAROLINA	0	0	0	0	0	1	0	0	0	0	0	0	1
SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
TENNESSEE	0	0	0	0	0	0	1	1	0	0	0	0	2
TEXAS	0	1	0	0	0	0	0	0	0	0	0	0	1
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	0	0	0	0	0	0	0
WASHINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST VIRGINIA	0	0	0	0	0	0	1	0	0	0	0	0	1
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	1	0	2	1	10	12	7	2	3	0	0	38



## TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR YEAR 2005



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	0	0	0	0	0	0	2	1	0	0	0	0	3
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	0	0	0	0	0	0	0	0	0	0	0	0
ARKANSAS	0	0	0	0	0	0	0	0	0	0	1	0	1
CALIFORNIA	1	1	0	0	0	0	7	0	0	0	0	0	9
COLORADO	0	0	0	0	0	1	10	0	2	0	0	0	13
CONNECTICUT	0	0	0	0	2	1	0	0	2	0	0	0	5
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	1	0	5	1	4	7	11	6	0	2	0	0	37
GEORGIA	0	0	0	0	0	4	5	19	0	0	0	0	28
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	1	1	0	0	0	0	0	0	2
INDIANA	0	0	0	0	0	8	2	3	0	0	0	0	13
IOWA	0	0	0	0	0	1	0	0	1	0	0	0	2
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINE	0	0	0	0	0	0	1	0	0	0	0	0	1
MARYLAND	0	0	0	0	0	1	2	0	0	0	0	0	3
MASSACHUSETTS	0	0	0	0	0	15	0	0	0	0	0	0	15
MICHIGAN	0	0	0	0	0	3	2	0	0	0	2	0	7
MINNESOTA	0	0	0	0	0	1	0	1	2	2	0	0	6
MISSISSIPPI	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSOURI	0	0	0	0	0	3	0	1	0	1	0	0	5
MONTANA	0	0	0	0	0	0	0	0	3	0	0	0	3
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	6	2	0	0	0	0	0	8
NEW JERSEY	0	0	0	0	0	1	0	3	0	0	0	0	4
NEW MEXICO	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	0	0	0	0	0	0	3	0	0	0	0	0	3
NORTH CAROLINA	0	0	0	0	2	2	1	7	0	0	0	0	12
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
OHIO	0	0	0	0	1	8	2	0	0	0	0	0	11
OKLAHOMA	0	0	0	0	0	0	1	2	1	0	0	0	4
OREGON	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA	0	0	0	0	0	7	37	24	0	0	0	0	68
PUERTO RICO	0	0	0	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CAROLINA	0	0	0	0	0	0	2	1	0	0	0	0	3
SOUTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
TENNESSEE	0	0	0	0	0	0	3	2	0	0	0	0	5
TEXAS	0	2	0	0	1	0	1	1	1	0	0	2	8
UTAH	0	0	0	0	0	1	0	0	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	5	0	1	0	0	0	0	6
WASHINGTON	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST VIRGINIA	0	0	0	0	0	1	0	0	0	0	0	0	1
WISCONSIN	0	0	0	1	0	6	3	1	0	0	0	0	11
WYOMING	0	0	0	0	0	11	0	0	0	0	0	0	11
TOTAL: UNITED STATES	2	3	5	2	11	94	97	73	12	5	3	2	309



## TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR PERIOD 1959-2005



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	0	0	1	3	4	14	14	9	2	1	0	0	48
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	0	0	0	5	0	8	8	9	2	0	1	33
ARKANSAS	0	1	8	1	2	15	18	15	4	0	0	0	64
CALIFORNIA	0	0	0	0	1	2	6	1	8	0	0	0	18
COLORADO	0	0	0	2	6	12	31	19	8	1	0	0	79
CONNECTICUT	0	0	0	0	1	2	3	2	1	0	0	0	9
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	0	0	4	7	9	56	77	69	38	4	0	0	264
GEORGIA	0	0	3	2	7	14	22	12	2	1	0	0	63
HAWAII	0	0	0	0	0	0	0	0	0	3	0	0	3
IDAHO	0	0	0	0	0	4	3	1	1	0	0	0	9
ILLINOIS	0	1	0	3	3	19	9	13	5	1	0	0	54
INDIANA	0	0	1	2	4	10	10	10	4	2	0	0	43
IOWA	0	0	0	2	5	10	2	12	2	2	0	0	35
KANSAS	0	0	0	3	3	6	7	2	1	1	3	0	26
KENTUCKY	0	0	0	2	3	11	9	10	12	1	0	0	48
LOUISIANA	1	1	1	4	6	17	28	3	12	0	2	2	77
MAINE	0	0	0	0	0	2	4	4	0	3	0	0	13
MARYLAND	0	0	0	0	2	5	8	7	2	1	0	81	106
MASSACHUSETTS	0	0	0	0	1	4	2	5	1	0	0	0	13
MICHIGAN	0	0	0	1	2	14	22	15	7	0	0	0	61
MINNESOTA	0	0	0	1	2	9	6	11	2	1	0	0	32
MISSISSIPPI	0	0	3	2	7	8	19	11	5	0	0	0	55
MISSOURI	0	0	4	0	7	17	8	11	1	3	0	0	51
MONTANA	0	0	0	0	0	5	8	0	1	0	0	0	14
NEBRASKA	0	0	0	0	1	8	7	6	3	0	0	0	25
NEVADA	0	0	0	0	1	1	0	1	1	0	0	0	4
NEW HAMPSHIRE	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW JERSEY	0	0	0	1	3	3	7	8	5	0	0	0	27
NEW MEXICO	0	0	0	0	3	6	13	27	2	0	0	0	51
NEW YORK	0	0	1	0	4	12	35	20	5	2	0	0	79
NORTH CAROLINA	0	1	2	0	7	13	33	23	4	0	0	0	83
NORTH DAKOTA	0	0	0	0	0	3	3	1	0	0	0	0	7
OHIO	0	0	0	4	6	17	22	15	9	2	2	0	77
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	13	23	15	8	2	0	0	64
PUERTO RICO	0	0	0	0	0	0	2	6	0	0	0	0	8
RHODE ISLAND	0	0	0	0	0	0	1	1	2	0	0	0	4
SOUTH CAROLINA	0	0	1	0	3	9	14	11	9	0	0	0	47
SOUTH DAKOTA	0	0	0	0	4	3	3	1	2	2	0	0	15
TENNESSEE	0	1	0	6	7	23	18	15	13	2	1	0	86
TEXAS	0	3	2	10	18	13	27	19	13	2	0	0	107
UTAH	0	0	0	1	1	4	9	8	4	1	0	0	28
VERMONT	0	0	0	0	0	1	3	2	0	0	0	0	6
VIRGINIA	0	0	0	1	1	4	9	9	3	0	0	0	27
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	8	13	2	0	0	1	33
WYOMING	0	0	0	0	0	5	7	5	3	0	0	0	20
TOTAL: UNITED STATES	2	8	32	65	154	417	587	481	230	42	8	85	2111



## TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR PERIOD 1959-2005



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	1	2	11	4	15	34	74	39	18	4	1	0	203
ALASKA	0	0	0	0	0	0	1	1	0	0	0	0	2
ARIZONA	0	1	0	0	4	6	18	44	22	10	1	3	109
ARKANSAS	1	2	3	7	10	26	23	41	8	0	1	1	123
CALIFORNIA	2	1	7	2	1	4	20	8	20	1	1	1	68
COLORADO	0	0	0	4	33	95	103	98	20	5	0	0	358
CONNECTICUT	1	1	2	1	4	8	18	10	20	3	0	0	68
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	2	22	24	54	229	333	226	155	41	2	2	1091
GEORGIA	3	51	4	4	34	73	100	65	8	5	0	1	348
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	15	40	32	49	27	6	0	0	175
INDIANA	0	0	2	1	16	30	39	30	10	0	0	0	128
IOWA	0	0	0	7	14	29	14	13	7	1	0	0	85
KANSAS	0	0	5	5	6	15	31	20	29	2	2	0	115
KENTUCKY	0	0	1	3	12	18	43	19	8	1	0	0	105
LOUISIANA	4	1	8	26	16	19	38	27	10	7	2	2	160
MAINE	0	14	0	0	4	18	42	20	0	0	1	0	99
MARYLAND	1	0	1	2	6	32	30	29	4	3	0	0	108
MASSACHUSETTS	0	0	0	1	14	58	80	61	26	0	0	1	241
MICHIGAN	0	0	2	10	26	80	121	66	31	9	2	0	347
MINNESOTA	0	0	1	0	9	17	49	19	5	7	0	0	107
MISSISSIPPI	1	0	4	2	12	11	51	16	9	3	7	1	117
MISSOURI	0	1	1	9	5	17	13	18	8	2	4	0	78
MONTANA	0	0	0	0	4	10	6	7	4	1	0	0	32
NEBRASKA	0	0	0	2	15	7	10	13	3	0	0	0	50
NEVADA	0	0	0	0	3	2	8	4	1	0	0	0	18
NEW HAMPSHIRE	0	0	1	0	2	11	43	43	0	0	0	0	100
NEW JERSEY	1	0	0	3	15	10	25	45	19	0	0	0	118
NEW MEXICO	0	0	0	1	3	12	54	58	6	1	0	0	135
NEW YORK	0	0	1	1	26	91	110	129	29	6	1	0	394
NORTH CAROLINA	2	5	19	6	22	74	121	125	22	2	1	0	399
NORTH DAKOTA	0	0	0	0	1	1	6	3	3	0	0	0	14
OHIO	0	0	3	5	35	85	66	99	53	4	12	0	362
OKLAHOMA	6	0	1	7	19	25	32	36	29	21	8	2	186
OREGON	0	0	0	2	1	0	0	11	1	0	0	1	16
PENNSYLVANIA	1	1	0	0	32	128	139	70	45	3	0	0	419
PUERTO RICO	0	0	0	0	0	0	0	2	0	0	0	0	2
RHODE ISLAND	0	0	0	1	0	4	5	10	3	0	1	0	24
SOUTH CAROLINA	0	0	0	6	12	21	56	35	17	0	1	0	148
SOUTH DAKOTA	0	0	0	3	3	12	14	7	1	2	0	0	42
TENNESSEE	1	3	7	25	34	15	91	50	9	6	2	0	243
TEXAS	2	5	6	7	37	43	60	59	86	9	3	2	319
UTAH	0	0	0	1	8	18	13	19	7	1	0	0	67
VERMONT	0	0	0	0	0	5	6	2	0	0	0	0	13
VIRGINIA	0	0	5	4	9	35	72	30	9	0	0	0	164
WASHINGTON	0	0	0	1	2	13	4	15	2	0	1	1	39
WEST VIRGINIA	0	0	8	10	1	8	40	36	0	1	0	0	104
WISCONSIN	0	1	1	7	3	57	64	43	7	3	0	0	186
WYOMING	0	0	0	1	2	35	17	16	8	0	0	0	79
TOTAL: UNITED STATES	29	93	127	208	606	1618	2350	1906	816	171	58	18	8000



## NATIONAL TOTAL LIGHTNING DEATHS BY YEAR FOR PERIOD 1959-2005



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
TOTAL	2	9	32	65	154	417	587	482	233	38	8	85	2112
MEAN	0	0	1	1	3	9	12	10	5	1	0	2	45

\* 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 1959-2005

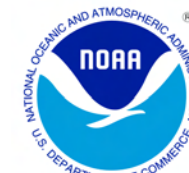


YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
1959	0	0	0	1	14	31	40	26	18	3	1	0	134
1960	0	0	0	2	0	29	11	27	13	6	3	0	91
1961	0	0	5	1	8	40	48	35	26	1	1	1	166
1962	0	0	0	1	8	13	48	20	5	5	0	0	100
1963	0	0	0	1	6	54	22	27	18	1	0	0	129
1964	0	0	7	3	2	11	31	33	7	0	1	0	95
1965	1	2	0	0	8	28	29	31	14	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
TOTAL	29	93	127	208	606	1618	2350	1905	817	170	58	18	7999
MEAN	1	2	3	4	13	34	50	41	17	4	1	0	170



# LIGHTNING DEATHS BY STATE, RANK, AND LOCATION OF OCCURRENCE

## 1959-2005



**2005**

STATE	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	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALABAMA	19	11	23	13	27	10	21	1	2	0	0	0	0	13	27	0	0	0	0	2	100	0	0	0	0	0	0	0	0
ALASKA	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	0
ARIZONA	25	17	52	2	6	1	3	1	3	3	9	2	6	7	21	1	100	0	0	0	0	0	0	0	0	0	0	0	0
ARKANSAS	11	22	34	11	17	2	3	5	8	2	3	0	0	22	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	34	5	28	3	17	1	6	3	17	0	0	0	0	6	33	2	100	0	0	0	0	0	0	0	0	0	0	0	0
COLORADO	7	33	42	14	18	3	4	3	4	6	8	0	0	20	25	0	0	0	0	0	0	1	100	0	0	0	0	0	0
CONNECTICUT	42	2	25	0	0	0	0	0	0	1	13	0	0	5	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DELAWARE	40	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	0
DIST OF COLUMBIA	48	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	0
FLORIDA	1	72	27	36	14	67	25	22	8	11	4	0	0	56	21	1	20	0	0	1	20	2	40	1	20	0	0	0	0
GEORGIA	12	23	37	14	22	8	13	5	8	2	3	1	2	10	16	0	0	2	100	0	0	0	0	0	0	0	0	0	0
HAWAII	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	0
IDAHO	39	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	0
ILLINOIS	16	14	26	13	24	3	6	4	7	4	7	1	2	15	28	1	100	0	0	0	0	0	0	0	0	0	0	0	0
INDIANA	22	10	23	16	37	2	5	3	7	1	2	0	0	11	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IOWA	23	6	17	1	3	1	3	5	14	2	6	0	0	20	57	0	0	0	0	0	0	0	0	1	100	0	0	0	0
KANSAS	30	11	42	0	0	4	15	3	12	0	0	0	0	8	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	21	12	26	4	9	2	4	2	4	2	4	1	2	24	51	2	100	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	9	6	8	26	34	20	26	7	9	0	0	0	0	18	23	0	0	0	0	0	0	0	0	0	0	0	1	100	0
MAINE	38	0	0	0	0	6	46	0	0	0	0	0	0	7	54	0	0	0	0	1	100	0	0	0	0	0	0	0	0
MARYLAND	3	7	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	0
MASSACHUSETTS	37	4	31	1	8	0	0	0	0	1	8	1	8	6	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MICHIGAN	13	17	28	15	25	8	13	3	5	6	10	2	3	10	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	26	13	41	7	22	3	9	3	9	2	6	1	3	3	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSISSIPPI	15	17	31	13	24	8	15	4	7	0	0	0	0	13	24	1	50	0	0	0	0	0	0	0	0	0	1	50	0
MISSOURI	18	10	20	9	18	8	16	4	8	2	4	1	2	17	33	0	0	0	0	0	0	2	100	0	0	0	0	0	0
MONTANA	36	5	36	2	14	1	7	4	29	0	0	0	0	2	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEBRASKA	31	11	44	2	8	2	8	6	24	0	0	0	0	4	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA	47	0	0	0	0	0	0	0	0	1	25	0	0	3	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW HAMPSHIRE	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW JERSEY	29	8	30	6	22	5	19	0	0	2	7	0	0	6	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW MEXICO	17	26	51	6	12	3	6	0	0	0	0	2	4	14	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	6	12	15	17	22	9	11	3	4	4	5	0	0	34	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH CAROLINA	5	17	20	15	18	10	12	4	5	2	2	0	0	35	42	0	0	1	100	0	0	0	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	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 1959-2005



**2005**

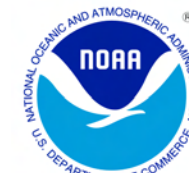
STATE	RANK	OPEN FIELDS, BALL PARKS AND OPEN SPACES		UNDER TREES		BOATING, FISHING AND WATER RELATED		NEAR TRACTORS HEAVY ROAD EQUIPMENT		GOLF COURSES		AT TELEPHONES		VARIOUS OTHER AND UNKNOWN LOCATIONS		OPEN FIELDS, BALL PARKS AND OPEN SPACES		UNDER TREES		BOATING, FISHING AND WATER RELATED		NEAR TRACTORS HEAVY ROAD EQUIPMENT		GOLF COURSES		AT TELEPHONES		VARIOUS OTHER AND UNKNOWN LOCATIONS	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
OHIO	8	20	26	11	14	9	12	8	10	7	9	1	1	21	27	1	33	1	33	0	0	0	0	1	33	0	0	0	0
OKLAHOMA	14	22	39	5	9	15	26	4	7	0	0	2	4	9	16	0	0	1	100	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	
PENNSYLVANIA	10	25	39	7	11	1	2	1	2	5	8	0	0	25	39	0	0	2	50	0	0	0	0	1	25	0	0	1	25
PUERTO RICO	41	3	38	2	25	1	13	0	0	0	0	0	0	2	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND	46	0	0	0	0	1	25	0	0	0	0	0	0	3	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CAROLINA	20	7	15	15	32	8	17	6	13	2	4	1	2	8	17	1	100	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH DAKOTA	35	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	21	24	23	27	5	6	8	9	5	6	1	1	23	27	1	50	1	50	0	0	0	0	0	0	0	0	0	0
TEXAS	2	38	36	20	19	15	14	11	10	3	3	0	0	20	19	1	100	0	0	0	0	0	0	0	0	0	0	0	0
UTAH	27	13	46	8	29	1	4	2	7	0	0	0	0	4	14	0	0	0	0	0	0	0	0	0	0	0	1	100	
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	10	37	5	19	1	4	3	11	1	4	0	0	7	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASHINGTON	45	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	33	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	1	100	
WISCONSIN	24	13	39	3	9	6	18	2	6	2	6	0	0	7	21	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	596	28	363	17	271	13	158	7	83	4	18	1	622	29	12	32	8	21	4	11	5	13	4	11	0	0	5	13





# LIGHTNING INJURIES BY STATE, RANK, AND LOCATION OF OCCURRENCE

## 1959-2005



**2005**

STATE	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	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
ALABAMA	12	63	31	45	22	5	2	7	3	0	0	10	5	73	36	0	0	0	0	0	0	0	0	0	0	1	33	2	67
ALASKA	52	1	50	0	0	0	0	0	0	0	0	0	0	1	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	25	60	55	7	6	3	3	5	5	0	0	4	4	30	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARKANSAS	21	39	32	14	11	4	3	7	6	4	3	8	7	47	38	0	0	0	0	0	0	0	0	0	0	0	1	100	
CALIFORNIA	36	24	35	5	7	4	6	4	6	0	0	1	1	30	44	7	78	1	11	0	0	0	0	0	0	0	1	11	
COLORADO	6	121	34	42	12	23	6	16	4	52	15	11	3	93	26	3	23	0	0	10	77	0	0	0	0	0	0	0	0
CONNECTICUT	35	10	15	7	10	4	6	0	0	0	0	3	4	44	65	3	60	0	0	0	0	0	0	0	0	0	2	40	
DELAWARE	44	8	42	5	26	0	0	0	0	0	0	0	0	6	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIST OF COLUMBIA	47	12	80	0	0	0	0	0	0	1	7	0	0	2	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	1	281	26	146	13	140	13	80	7	23	2	25	2	396	36	6	16	5	14	6	16	7	19	0	0	0	13	35	
GEORGIA	7	149	43	50	14	24	7	14	4	1	0	6	2	104	30	19	68	2	7	2	7	0	0	0	0	0	5	18	
HAWAII	50	3	38	0	0	0	0	0	0	0	0	2	25	3	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IDAHO	39	10	20	5	10	3	6	3	6	2	4	3	6	24	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	15	54	31	50	29	4	2	1	1	4	2	7	4	55	31	1	50	0	0	0	0	0	0	0	0	0	1	50	
INDIANA	20	22	17	24	19	16	13	6	5	5	4	3	2	52	41	3	23	2	15	2	15	0	0	0	0	0	6	46	
IOWA	32	22	26	7	8	1	1	1	1	3	4	1	1	50	59	0	0	0	0	0	0	0	0	1	50	0	1	50	
KANSAS	24	20	17	14	12	3	3	6	5	0	0	5	4	67	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	29	26	25	5	5	11	11	1	1	3	3	6	6	52	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	17	29	18	24	15	19	12	11	7	1	1	2	1	74	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MAINE	31	13	13	23	23	2	2	1	1	2	2	2	2	56	57	0	0	0	0	0	0	0	0	0	0	0	1	100	
MARYLAND	26	23	21	10	9	25	23	2	2	4	4	0	0	44	41	2	67	0	0	0	0	0	0	0	0	0	1	33	
MASSACHUSETTS	11	75	31	13	5	8	3	5	2	7	3	5	2	128	53	15	100	0	0	0	0	0	0	0	0	0	0	0	0
MICHIGAN	8	62	18	59	17	17	5	27	8	20	6	12	3	150	43	1	14	2	29	0	0	0	0	0	0	0	4	57	
MINNESOTA	27	17	16	17	16	2	2	13	12	3	3	5	5	50	47	0	0	2	33	0	0	1	17	0	0	0	3	50	
MISSISSIPPI	23	42	36	30	26	8	7	6	5	4	3	9	8	18	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSOURI	34	32	41	11	14	2	3	2	3	2	3	2	3	27	35	0	0	0	0	0	0	2	40	0	0	0	3	60	
MONTANA	42	10	31	3	9	0	0	4	13	4	13	0	0	11	34	0	0	0	0	0	0	0	0	3	100	0	0	0	0
NEBRASKA	38	15	30	1	2	3	6	5	10	6	12	3	6	17	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA	45	5	28	2	11	0	0	0	0	1	6	0	0	10	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW HAMPSHIRE	30	15	15	6	6	2	2	1	1	0	0	3	3	73	73	0	0	1	13	2	25	1	13	0	0	0	4	50	
NEW JERSEY	22	30	25	25	21	3	3	2	2	6	5	3	3	49	42	1	25	0	0	0	0	0	0	0	0	0	3	75	
NEW MEXICO	19	78	58	14	10	4	3	3	2	10	7	0	0	26	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	4	76	19	58	15	14	4	22	6	7	2	9	2	208	53	0	0	0	0	0	0	0	0	0	0	1	33	2	67
NORTH CAROLINA	3	121	30	28	7	24	6	40	10	19	5	8	2	159	40	0	0	0	0	8	67	0	0	0	0	1	8	3	25
NORTH DAKOTA	48	4	29	3	21	1	7	3	21	0	0	0	0	3	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0



# LIGHTNING INJURIES BY STATE, RANK, AND LOCATION OF OCCURRENCE 1959-2005



2005

STATE	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	
		NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%	NO.	%
OHIO	5	90	25	87	24	10	3	5	1	37	10	12	3	121	33	7	64	1	9	0	0	0	0	2	18	0	0	1	9
OKLAHOMA	14	69	37	9	5	9	5	10	5	0	0	11	6	78	42	0	0	1	25	0	0	2	50	0	0	0	0	1	25
OREGON	46	4	25	0	0	1	6	0	0	0	0	1	6	10	63	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA	2	169	40	62	15	3	1	6	1	0	0	7	2	172	41	22	32	24	35	0	0	0	0	0	0	0	0	22	32
PUERTO RICO	51	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	0
RHODE ISLAND	43	4	17	6	25	2	8	0	0	0	0	0	0	12	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH CAROLINA	18	39	26	21	14	7	5	3	2	4	3	4	3	70	47	0	0	2	67	0	0	0	0	0	0	0	0	1	33
SOUTH DAKOTA	40	12	29	3	7	5	12	5	12	1	2	1	2	15	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TENNESSEE	10	84	35	60	25	5	2	8	3	2	1	8	3	76	31	4	80	1	20	0	0	0	0	0	0	0	0	0	0
TEXAS	9	132	41	46	14	14	4	12	4	7	2	6	2	102	32	3	38	0	0	0	0	0	0	0	0	3	38	2	25
UTAH	37	14	21	22	33	2	3	5	7	2	3	2	3	20	30	0	0	0	0	0	0	1	100	0	0	0	0	0	0
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	16	36	22	12	7	12	7	1	1	6	4	7	4	90	55	5	83	1	17	0	0	0	0	0	0	0	0	0	0
WASHINGTON	41	25	64	5	13	0	0	0	0	0	0	1	3	8	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WEST VIRGINIA	28	34	33	7	7	4	4	4	4	2	2	0	0	53	51	0	0	0	0	1	100	0	0	0	0	0	0	0	0
WISCONSIN	13	74	40	7	4	6	3	4	2	6	3	5	3	84	45	8	73	0	0	0	0	1	9	0	0	1	9	1	9
WYOMING	33	36	46	0	0	15	19	5	6	3	4	0	0	20	25	11	100	0	0	0	0	0	0	0	0	0	0	0	0
UNITED STATES	0	2400	30	101	14	474	6	366	5	265	3	223	3	171	40	121	39	45	15	31	10	15	5	6	2	7	2	84	27



# TORNADO SUMMARY BY STATE AND NATION, 2005

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
<b>ALABAMA</b>													
NUMBER	1	0	2	13	3	0	17	10	23	0	9	0	78
DAYS	1	0	2	3	1	0	1	2	2	0	3	0	15
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	4	1	0	0	1	0	2	0	0	0	8
<b>ALASKA</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	0	0	0	0	0	0	0
<b>ARIZONA</b>													
NUMBER	0	0	0	0	0	1	4	0	0	3	0	0	8
DAYS	0	0	0	0	0	1	3	0	0	1	0	0	5
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ARKANSAS</b>													
NUMBER	1	0	1	2	0	0	0	0	15	0	31	2	52
DAYS	1	0	1	1	0	0	0	0	1	0	5	1	10
DEATHS	2	0	0	0	0	0	0	0	0	0	1	0	3
INJURIES	13	0	0	0	0	0	0	0	5	0	15	0	33
<b>CALIFORNIA</b>													
NUMBER	5	8	5	5	2	1	1	1	0	0	0	1	29
DAYS	5	4	3	1	1	1	1	1	0	0	0	1	18
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>COLORADO</b>													
NUMBER	0	0	0	4	9	13	5	2	0	1	0	0	34
DAYS	0	0	0	4	5	5	4	2	0	1	0	0	21
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	1	0	0	0	0	0	0	0	1
<b>FLORIDA</b>													
NUMBER	0	1	2	4	3	6	15	7	6	8	0	3	55
DAYS	0	1	1	3	3	6	6	5	3	2	0	2	32
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	1	0	0	0	0	0	0	0	0	0	0	1
<b>GEORGIA</b>													
NUMBER	4	0	4	0	1	0	7	18	0	1	0	17	52
DAYS	1	0	1	0	1	0	2	1	0	1	0	3	10
DEATHS	2	0	1	0	0	0	0	1	0	0	0	0	4
INJURIES	5	0	18	0	0	0	0	9	0	0	0	2	34
<b>HAWAII</b>													
NUMBER	1	0	0	0	0	0	0	0	0	0	0	1	2
DAYS	1	0	0	0	0	0	0	0	0	0	0	1	2
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>IDAHO</b>													
NUMBER	0	0	0	0	5	1	0	0	0	0	0	0	6
DAYS	0	0	0	0	4	1	0	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	0	0	0	0	0	0	0
<b>ILLINOIS</b>													
NUMBER	1	0	2	4	1	6	1	0	1	0	5	0	21
DAYS	1	0	1	2	1	2	1	0	1	0	1	0	10
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>INDIANA</b>													
NUMBER	0	0	0	0	0	2	6	1	1	0	5	0	15
DAYS	0	0	0	0	0	1	2	1	1	0	2	0	7
DEATHS	0	0	0	0	0	0	0	0	0	0	24	0	24
INJURIES	0	0	0	0	0	0	0	0	0	0	262	0	262
<b>IOWA</b>													
NUMBER	0	0	9	0	7	10	3	2	1	0	12	0	44
DAYS	0	0	1	0	3	4	3	2	1	0	1	0	15
DEATHS	0	0	0	0	0	0	0	0	0	0	1	0	1
INJURIES	0	0	0	0	0	0	0	0	8	0	6	0	14
<b>KANSAS</b>													
NUMBER	0	0	3	36	8	50	6	6	4	2	19	0	134
DAYS	0	0	1	3	4	9	1	2	2	1	1	0	24
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0

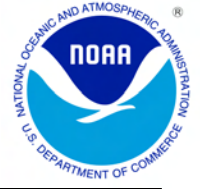
\* CORRECTED FOR BOUNDARY-CROSSING TORNADOES  
& TORNADO DAYS FOR COUNTRY AS A WHOLE



# TORNADO SUMMARY BY STATE AND NATION, 2005

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
<b>KENTUCKY</b>													
NUMBER	0	0	1	1	3	0	0	0	0	0	12	0	17
DAYS	0	0	1	1	1	0	0	0	0	0	2	0	5
DEATHS	0	0	0	0	0	0	0	0	0	0	1	0	1
INJURIES	0	0	0	0	0	0	0	0	0	0	73	0	73
<b>LOUISIANA</b>													
NUMBER	1	0	3	5	0	3	1	0	7	0	1	0	21
DAYS	1	0	2	2	0	3	1	0	2	0	1	0	12
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	12	0	0	3	0	0	0	0	3	0	0	0	18
<b>MAINE</b>													
NUMBER	0	0	0	0	0	0	0	1	0	0	2	0	3
DAYS	0	0	0	0	0	0	0	1	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>MASSACHUSETTS</b>													
NUMBER	0	0	0	0	0	1	0	0	0	0	0	0	1
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>MICHIGAN</b>													
NUMBER	0	0	0	0	0	3	2	0	0	0	0	0	5
DAYS	0	0	0	0	0	2	2	0	0	0	0	0	4
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>MINNESOTA</b>													
NUMBER	0	0	1	1	11	34	11	3	7	0	0	0	68
DAYS	0	0	1	1	5	8	3	2	3	0	0	0	23
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	2	0	0	0	2
<b>MISSISSIPPI</b>													
NUMBER	7	0	9	25	1	0	0	11	44	0	1	0	98
DAYS	2	0	2	5	1	0	0	1	2	0	1	0	14
DEATHS	0	0	0	0	0	0	0	0	1	0	0	0	1
INJURIES	0	0	1	8	0	0	0	0	13	0	0	0	22
<b>MISSOURI</b>													
NUMBER	2	0	0	1	0	13	0	1	3	0	13	0	33
DAYS	1	0	0	1	0	3	0	1	3	0	4	0	13
DEATHS	0	0	0	0	0	0	0	0	0	0	1	0	1
INJURIES	0	0	0	0	0	2	0	0	0	0	7	0	9
<b>MONTANA</b>													
NUMBER	0	0	0	0	0	9	0	1	0	0	0	0	10
DAYS	0	0	0	0	0	6	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	0	0	0	0	0	0	0	0	0	0
<b>NEBRASKA</b>													
NUMBER	0	0	1	3	18	13	1	0	4	0	0	0	40
DAYS	0	0	1	2	4	4	1	0	3	0	0	0	15
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>NEVADA</b>													
NUMBER	0	0	0	1	0	0	0	0	0	0	0	0	1
DAYS	0	0	0	1	0	0	0	0	0	0	0	0	1
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>NEW MEXICO</b>													
NUMBER	0	0	0	2	4	0	0	0	0	1	0	0	7
DAYS	0	0	0	2	2	0	0	0	0	1	0	0	5
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>NEW YORK</b>													
NUMBER	0	0	0	0	0	0	0	4	0	0	0	0	4
DAYS	0	0	0	0	0	0	0	2	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>NORTH CAROLINA</b>													
NUMBER	2	0	2	0	1	1	14	2	0	1	0	0	23
DAYS	1	0	1	0	1	1	4	2	0	1	0	0	11
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

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# TORNADO SUMMARY BY STATE AND NATION, 2005

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
<b>NORTH DAKOTA</b>													
NUMBER	0	0	0	0	6	33	6	1	2	0	0	0	48
DAYS	0	0	0	0	2	11	3	1	1	0	0	0	18
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>OHIO</b>													
NUMBER	0	0	0	0	1	0	0	2	0	0	1	0	4
DAYS	0	0	0	0	1	0	0	2	0	0	1	0	4
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>OKLAHOMA</b>													
NUMBER	0	0	8	7	0	10	0	0	1	1	0	0	27
DAYS	0	0	1	4	0	5	0	0	1	1	0	0	12
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>OREGON</b>													
NUMBER	0	0	0	0	0	0	1	1	0	0	0	0	2
DAYS	0	0	0	0	0	0	1	1	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>PENNSYLVANIA</b>													
NUMBER	0	0	0	0	0	3	0	7	0	0	0	0	10
DAYS	0	0	0	0	0	2	0	3	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>SOUTH CAROLINA</b>													
NUMBER	3	0	0	3	1	0	7	0	0	0	0	0	14
DAYS	1	0	0	2	1	0	3	0	0	0	0	0	7
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	1	0	0	0	0	0	0	0	0	0	0	0	1
<b>SOUTH DAKOTA</b>													
NUMBER	0	0	0	0	1	15	2	1	0	0	0	0	19
DAYS	0	0	0	0	1	4	1	1	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	0	0	0	0	0	0	0	0
<b>TENNESSEE</b>													
NUMBER	0	0	0	0	0	0	1	0	0	0	22	0	23
DAYS	0	0	0	0	0	0	1	0	0	0	1	0	2
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	14	0	14
<b>TEXAS</b>													
NUMBER	0	0	6	7	26	43	12	4	2	0	0	2	102
DAYS	0	0	2	3	5	9	3	2	2	0	0	1	27
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	2	0	0	0	0	0	0	0	2
<b>UTAH</b>													
NUMBER	0	0	0	0	1	2	0	1	0	0	0	0	4
DAYS	0	0	0	0	1	2	0	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	0	0	0	0	0	0	0
<b>VIRGINIA</b>													
NUMBER	4	0	0	0	2	0	11	6	0	0	0	0	23
DAYS	1	0	0	0	2	0	5	1	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	0	0	0	0	0	0	0	0
<b>WASHINGTON</b>													
NUMBER	0	0	0	2	2	0	0	0	0	0	0	0	4
DAYS	0	0	0	1	2	0	0	0	0	0	0	0	3
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>WISCONSIN</b>													
NUMBER	0	0	1	0	1	30	1	27	2	0	0	0	62
DAYS	0	0	1	0	1	7	1	1	1	0	0	0	12
DEATHS	0	0	0	0	0	0	0	1	0	0	0	0	1
INJURIES	0	0	0	0	0	0	0	30	0	0	0	0	30
<b>WYOMING</b>													
NUMBER	0	0	0	0	0	4	0	2	0	0	0	0	6
DAYS	0	0	0	0	0	2	0	1	0	0	0	0	3
DEATHS	0	0	0	0	0	0	0	2	0	0	0	0	2
INJURIES	0	0	0	0	0	0	0	13	0	0	0	0	13

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& TORNADO DAYS FOR COUNTRY AS A WHOLE



# TORNADO SUMMARY BY STATE AND NATION, 2005

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
<b>UNITED STATES</b>													
NUMBER	32*	9	60*	126	118	307*	136*	122	123*	18	133*	26	1194*
DAYS	9	5	12	21	23	28	24	19	18	8	8	6	181
DEATHS	4	0	1	0	0	0	0	4	1	0	28	0	38
INJURIES	31	1	23	12	3	2	1	52	33	0	377	2	537

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



# NATIONS SUMMARY OF TORNADOS, TORNADO DAYS AND DEATHS BY MONTH AND ANNUAL, 1953-2005



YEAR	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER			ANNUAL		
	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	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	14	20	6	1	702	156	32
1989	15	6	0	18	3	0	44	14	1	82	13	0	234	28	9	253	27	5	59	19	0	36	20	0	31	12	0	30	7	4	58	10	31	3	1	0	856	160	50
1990	11	7	0	57	10	1	88	8	3	108	17	0	243	27	5	335	28	11	106	26	0	60	22	29	45	15	0	35	9	2	18	5	0	35	7	2	1133	181	53
1991	29	6	1	11	5	0	159	16	13	206	20	21	335	30	0	216	30	1	65	22	1	46	17	0	26	16	0	22	9	0	20	5	2	3	3	0	1132	179	39
1992	15	6	0	29	9	0	55	17	5	53	11	0	137	21	0	400	29	1	214	30	0	115	22	3	82	17	0	34	10	4	149	14	26	20	9	0	1298	195	39



# NATIONS SUMMARY OF TORNADOS, TORNADO DAYS AND DEATHS BY MONTH AND ANNUAL, 1953-2005



YEAR	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE			JULY			AUGUST			SEPTEMBER			OCTOBER			NOVEMBER			DECEMBER			ANNUAL		
	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			
1993	17	8	0	34	7	3	49	11	5	85	15	10	179	26	2	316	27	1	242	31	0	112	26	6	65	17	2	55	9	4	19	6	0	6	3	0	1176	186	33
1994	13	5	0	9	7	0	61	12	40	206	23	12	161	27	0	236	29	3	155	27	3	120	24	4	30	17	0	51	15	0	42	10	7	4	3	0	1082	199	69
1995	36	9	3	7	4	6	49	11	0	130	17	1	394	28	16	219	25	0	163	28	0	53	22	0	19	11	0	74	11	1	79	5	2	19	7	1	1235	178	30
1996	35	10	1	14	5	1	71	10	6	178	16	12	236	29	1	128	27	0	204	28	1	72	24	0	101	20	0	68	10	0	55	8	3	15	7	1	1173	194	26
1997	50	10	2	23	6	1	102	13	28	114	16	1	225	27	29	194	29	0	189	30	4	84	26	1	32	12	1	101	12	0	25	8	0	12	7	0	1148	196	67
1998	47	12	0	73	18	42	74	12	16	190	19	55	314	29	10	389	29	3	82	22	0	62	20	0	104	19	2	86	13	2	27	6	0	6	3	0	1449	202	130
1999	214	12	16	22	7	0	56	12	1	178	19	15	316	29	53	289	27	4	99	28	0	81	22	1	54	16	0	19	7	0	8	3	0	15	4	2	1340	186	92
2000	16	4	0	58	12	19	103	20	2	136	19	2	241	29	3	136	27	0	148	31	1	53	23	0	47	17	2	64	15	0	50	11	0	26	4	12	1076	212	41
2001	5	2	0	30	3	8	33	8	3	139	15	5	240	26	1	247	28	4	122	25	0	69	19	0	85	19	2	119	9	2	111	11	15	22	9	0	1213	174	40
2002	3	3	0	2	2	0	47	8	0	118	14	7	206	25	4	97	25	0	68	24	0	86	21	0	62	19	0	56	14	3	99	6	37	99	9	4	934	170	55
2003	0	0	0	18	5	2	43	11	8	157	15	0	558	24	41	292	28	2	168	24	0	44	21	0	32	14	0	26	12	1	53	8	0	1	1	0	1372	163	54
2004	3	2	0	9	6	0	50	6	0	125	20	8	510	25	7	271	28	2	126	24	0	179	25	3	301	20	8	78	15	3	153	12	4	27	7	0	1819	190	35
2005	32	9	4	9	5	0	60	12	1	126	21	0	118	23	0	307	28	0	136	24	0	122	19	4	123	18	1	18	8	0	133	8	28	26	6	0	1194	181	38
POR	1017	265	125	1139	314	286	2919	633	423	6101	922	1309	01	22	309	9623	1414	516	5391	1351	56	3446	1124	119	2626	785	82	1761	463	92	2014	363	233	1015	269	137	47462	9245	4363
MEAN	19	5	2	21	6	5	55	12	8	115	17	25	199	25	19	182	27	10	102	25	1	65	21	2	50	15	2	33	9	2	38	7	4	19	5	3	896	174	82





# TORNADOES, TORNADO DAYS AND DEATHS BY STATE AND NATION 1953-2005



STATE	TORNADOES							DAYS		DEATHS		
	TOTAL	AVERAGE	GREATEST	YEAR	LEAST	YEAR	PER # 10,000 Sq.Mi.	TOTAL	AVERAGE	TOTAL	AVERAGE	PER # 10,000 Sq.Mi.
ALABAMA	1387	26	78	2005	5	1956	5.04	633	12	355	7	69
ALASKA	4	0	2	2004	0	1989+	.00	4	0	0	0	0
ARIZONA	212	4	17	1972	0	1965+	.36	165	3	3	0	0
ARKANSAS	1362	26	106	1999	2	1987+	4.90	538	10	232	4	44
CALIFORNIA	365	7	29	2005	0	1968+	.44	258	5	0	0	0
COLORADO	1748	33	98	1996+	1	1959	3.17	843	16	2	0	0
CONNECTICUT	76	1	8	1973	0	1988+	2.00	64	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	0
FLORIDA	2889	55	115	1997	10	1956	9.39	1741	33	140	3	24
GEORGIA	1187	22	52	1994+	2	1987	3.74	599	11	159	3	27
HAWAII	33	1	4	1971	0	1987+	1.55	29	1	0	0	0
IDAHO	178	3	13	2000	0	1977+	.36	141	3	0	0	0
ILLINOIS	1846	35	120	2003	4	1953	6.21	722	14	197	4	35
INDIANA	1150	22	49	1990	4	1984	6.06	521	10	248	5	68
IOWA	1973	37	120	2004	7	1956	6.58	787	15	66	1	12
KANSAS	2995	57	134	2005	14	1976	6.93	1119	21	205	4	25
KENTUCKY	624	12	39	1997	0	1953	2.97	316	6	115	2	28
LOUISIANA	1424	27	79	1992	3	1955	5.56	768	14	117	2	24
MAINE	100	2	11	1971	0	1987+	.60	89	2	1	0	0
MARYLAND	287	5	24	1995	0	1988+	4.73	171	3	7	0	7
MASSACHUSETTS	146	3	12	1958	0	1988+	3.63	105	2	102	2	124
MICHIGAN	881	17	39	1974	2	1959	2.92	492	9	238	4	41
MINNESOTA	1377	26	73	2001	5	1988+	3.09	630	12	86	2	10
MISSISSIPPI	1514	29	98	2005	1	1979	6.08	652	12	386	7	81
MISSOURI	1598	30	86	2003	6	1979+	4.31	660	12	169	3	24
MONTANA	360	7	30	1991	0	1974+	.48	243	5	1	0	0
NEBRASKA	2374	45	111	2004	10	1966	5.83	969	18	54	1	7
NEVADA	75	1	8	1987+	0	1985+	.09	68	1	0	0	0
NEW HAMPSHIRE	78	1	9	1963	0	1987+	1.07	69	1	0	0	0
NEW JERSEY	136	3	17	1989	0	1984+	3.83	102	2	1	0	1
NEW MEXICO	491	9	31	1991	0	1953	.74	349	7	3	0	0
NEW YORK	351	7	25	1992	0	1953	1.41	231	4	21	0	4
NORTH CAROLINA	992	19	67	2004	2	1970	3.60	505	10	88	2	17
NORTH DAKOTA	1182	22	58	1999	2	1961	3.11	575	11	22	0	3
OHIO	807	15	61	1992	0	1988	3.64	417	8	182	3	44
OKLAHOMA	2965	56	144	1999	17	1988	8.01	1090	21	256	5	37
OREGON	96	2	14	1997	0	1988+	.21	85	2	0	0	0
PENNSYLVANIA	653	12	60	1998	0	1959	2.65	371	7	82	2	18
PUERTO RICO	14	0	2	1979+	0	1989+	.00	13	0	0	0	0
RHODE ISLAND	9	0	3	1986	0	1988+	.00	8	0	0	0	0
SOUTH CAROLINA	761	14	86	2004	1	1986+	4.51	400	8	51	1	16
SOUTH DAKOTA	1529	29	85	1993	1	1958	3.76	640	12	15	0	2
TENNESSEE	797	15	45	2003	1	1987+	3.55	367	7	149	3	35
TEXAS	7319	138	232	1967+	32	1953	5.16	2603	49	504	10	19
UTAH	111	2	7	1998	0	1989+	.24	94	2	1	0	0
VERMONT	36	1	5	1962	0	1985+	1.04	32	1	0	0	0
VIRGINIA	532	10	84	2004	1	1982+	2.45	278	5	25	0	6
VIRGIN ISLANDS	2	0	1	1979+	0	1989+	.00	2	0	0	0	0
WASHINGTON	93	2	14	1997	0	1988+	.29	79	1	6	0	1
WEST VIRGINIA	118	2	16	1998	0	1988+	.83	91	2	2	0	1
WISCONSIN	1097	21	62	2005	3	1953	3.81	524	10	87	2	16
WYOMING	557	11	42	1977	0	1970	1.12	367	7	4	0	0
PACIFIC ISLANDS	2	0	1	1981+	0	1989+	.00	2	0	0	0	0
UNITED STATES	48632*	918	1819	2004	421	1953	2.54	9441&	178	4388	83	12

+ 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 - 2005



YEAR	NUMBER TORNADOES	TORNADO DAYS	TOTAL DEATHS	MOST DEATHS IN SINGLE TORNADO	TOTAL PROPERTY LOSSES \$	PROPERTY LOSS FREQUENCY *		
						CATEGORY 5	CATEGORY 6	CATEGORY 7 AND OVER
1916	90	36	150	30	6	7	1	0
1917	121	38	551	101	7	21	9	0
1918	81	45	136	36	7	20	5	0
1919	64	35	206	59	7	10	2	0
1920	87	50	499	87	7	14	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 CATEGORIESS 5, 6, 7 AND OVER.



# NATIONAL TORNADOES, TORNADO DAYS, DEATHS AND RESULTING LOSSES BY YEARS, 1916 - 2005



YEAR	NUMBER TORNADOES	TORNADO DAYS	TOTAL DEATHS	MOST DEATHS IN SINGLE TORNADO	TOTAL PROPERTY LOSSES \$	PROPERTY LOSS FREQUENCY *		
						CATEGORY 5	CATEGORY 6	CATEGORY 7 AND OVER
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
MEAN	896	174	82	-	-	152	50	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 CATEGORIESS 5, 6, 7 AND OVER.

