

2001 Annual Summaries

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

FLOOD/FLASH FLOOD



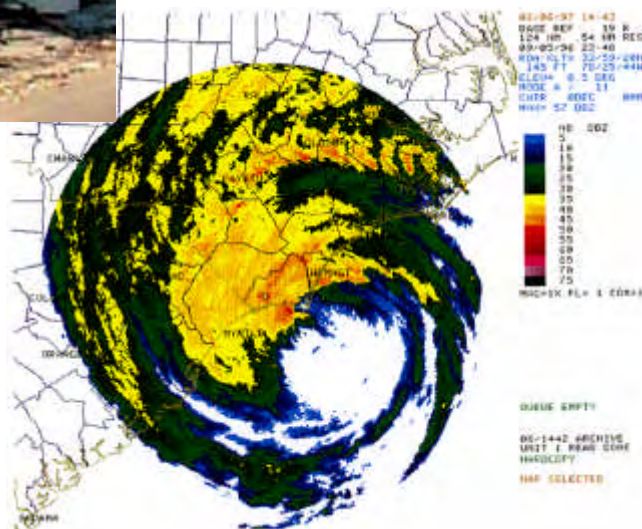
Lightning



Tornado



Hurricane



2001 Annual Summaries

Flood/Flash Flood

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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 2001 in the United States



This National Weather Service (NWS) report summarizes fatalities, injuries and damages caused by severe weather in 2001. 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 2001 Weather Events, Fatalities, Injuries, and Damage Costs

LAST UPDATED : 11/25/2002

<u>Weather Event</u>	<u>Fatalities</u>	<u>Injuries</u>	<u>Amount of Property Damage (M)</u>	<u>Amount of Crop Damage (M)</u>	<u>Total Prop/Crop Damage (M)</u>
<u>Convection</u>					
Lightning	44	371	\$ 43.6	\$ 2.0	\$ 45.6
Tornado	40	743	630.1	7.4	637.5
Tstm Wind	17	341	317.8	61.0	378.8
Hail	0	32	2,368.3	270.4	2,638.7
<u>Extreme Temperatures</u>					
Cold	4	0	0.0	132.2	132.2
Heat	166	445	0.0	0.0	0.0
<u>Flood</u>					
Flash Flood	35	265	856.7	41.0	897.7
River Flood	11	6	362.0	1.9	363.9
Small Stream/Urban Flood	2	6	1.6	0.1	1.7
<u>Marine</u>					
Coastal Storm	53	96	17.7	0.0	17.7
Tsunami	0	0	0.0	0.0	0.0
<u>Tropical Cyclones</u>					
Tropical Storm/Hurricane	24	7	5,187.8	2.7	5,190.5
<u>Winter</u>					
Winter Storm	18	173	103.6	0.1	103.7
Ice	0	0	0.4	0.0	0.4
Avalanche	15	6	0.0	0.0	0.0
<u>Other</u>					
Drought	0	0	0.0	1,273.9	1,273.9
Dust Storm	0	5	0.2	0.0	0.2
Dust Devil	0	1	0.0	0.0	0.0
Rain	3	1	20.7	21.5	42.2
Fog	7	67	1.3	0.0	1.3
High Wind	14	98	63.8	2.2	66.0
Waterspout	0	0	0.0	0.0	0.0
Fire Weather	5	46	45.2	0.0	45.2
Mud Slide	0	0	1.3	0.0	1.3
Volcanic Ash	0	0	0.5	0.0	0.5
Miscellaneous	6	9	0.2	0.0	0.2
TOTAL	464	2718	\$10,022.8M	\$1,816.4M	11,839.2M

Summary of 2001 Natural Hazard Statistics

In 2001, there were 464 weather-related fatalities, 8 less than in 2000. The 10-year average (1992-2001) for weather-related fatalities is 611. As in the previous 3 years, extreme heat ranked as the number one weather-related killer in the United States with 166 deaths (36%). Coastal flooding caused the second highest number of fatalities with 53 (11%), followed by lightning, 44 (10%), and tornadoes, 40 (9%).

Weather-related injuries showed a slight downward trend in 2001, dropping to 2,718 from 2,796 in 2000. Tornadoes and heat caused the greatest number of injuries with 743 (27%) and 445 (16%), respectively.

In 2001, severe weather caused \$11.8 billion in damages. Tropical storms and hurricanes resulted in nearly \$5.2 billion in property and crop losses. Hail generated more than \$2.3 billion in property losses. Texas suffered more than \$6 billion in property and crop damage from Tropical Storm Allison's heavy rainfall, resulting in devastating flooding across southeast Texas. Missouri was hit with more than \$1 billion in damages from one of the worst hail storms to ever hit the area.

Of the 464 weather-related fatalities, 300 were males (65%) and 164 were females (35%). Men in the 30- to 60-age range accounted for 47% of the male fatalities. Women in the 70 to 90 age group accounted for more than 37% of the female fatalities.

August and July were the deadliest months with 116 and 92 deaths, respectively. As might be expected, most of the August deaths (88) were caused by excessive heat. July ranked second with 92 fatalities, again due to excessive heat but also included flash flooding deaths.

In 2001, Texas suffered the highest number of deaths with 54; Illinois had 44; and Florida, 40. Topping the injuries list were Texas with 314 and Missouri with 269.

As in the previous 3 years, extreme heat ranked as the number one weather killer in the United States, outranking floods. The 10-year average for heat-related deaths is 219; for cold, 27. The 30-year average (1972-2001) for floods is 127; lightning, 71; tornadoes, 65; and hurricanes, 16.

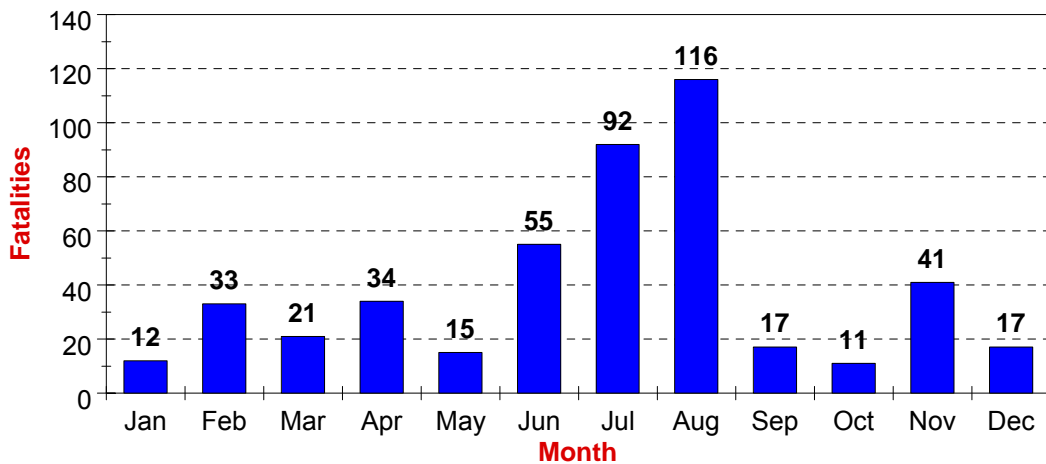
2001 Summary of all Natural Hazards

2001 SUMMARY OF FATALITIES FOR ALL HAZARDS BY AGE AND GENDER

	FEMALE	MALE	UNKNOWN	TOTAL	PERCENT
0 TO 9	10	16	0	26	6
10 TO 19	17	28	0	45	10
20 TO 29	10	35	0	45	10
30 TO 39	12	47	0	59	13
40 TO 49	18	47	0	65	14
50 TO 59	21	47	0	68	15
60 TO 69	12	32	0	44	9
70 TO 79	34	37	0	71	15
80 TO 89	27	4	0	31	7
90 TO --	1	0	0	1	0
UNKNOWN	2	7	0	9	2
TOTAL	164	300	0	464	100*
PERCENT	35	65	0	100	

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

2001 MONTHLY WEATHER RELATED FATALITIES



2001 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	9	13	3.3	0.0	3.3
AL	14	169	26.8	0.0	26.8
AR	6	42	130.5	0.1	130.6
AS	0	0	0.3	0.1	0.4
AZ	8	27	6.7	0.0	6.7
CA	17	241	67.9	78.6	146.5
CO	5	57	108.6	4.4	113.0
CT	0	5	7.8	0.0	7.8
DC	0	5	6.0	0.0	6.0
DE	1	35	1.6	0.0	1.6
FL	40	123	106.5	200.0	306.5
GA	2	50	18.0	0.1	18.1
GU	9	14	2.1	0.6	2.7
HI	1	6	0.0	0.0	0.0
IA	5	42	71.4	584.0	655.4
ID	1	7	0.2	0.0	0.2
IL	44	34	58.2	0.0	58.2
IN	7	36	23.7	0.0	23.7
KS	9	49	63.7	5.3	69.0
KY	4	31	37.4	0.6	38.0
LA	4	19	39.3	0.9	40.2
MA	1	3	39.2	0.0	39.2
MD	7	66	107.3	0.0	107.3
ME	2	34	0.6	0.0	0.6
MI	9	223	43.7	153.7	197.4
MN	14	41	408.2	11.0	419.2
MO	35	269	1,080.0	0.8	1,080.8
MS	17	228	126.3	0.0	126.3
MT	1	13	4.4	1.5	5.9
NC	2	21	8.7	9.5	18.2
ND	0	18	322.0	35.0	357.0
NE	2	28	581.5	21.3	602.8
NH	0	2	6.2	0.0	6.2
NJ	4	37	2.5	0.0	2.5
NM	2	16	5.5	0.0	5.5
NV	1	1	0.3	0.0	0.3
NY	9	50	36.9	1.8	38.7
OH	8	21	97.7	0.0	97.7
OK	12	39	152.7	0.0	152.7
OR	0	9	5.4	0.1	5.5
PA	31	32	68.9	2.0	70.9
PR	11	4	211.9	31.3	243.2
RI	0	4	13.8	0.0	13.8
SC	4	58	13.9	0.1	14.0
SD	2	14	35.7	4.4	40.1
TN	6	45	12.0	2.5	14.5
TX	54	314	5,511.9	569.6	6,081.5
UT	7	24	1.9	0.1	2.0
VA	4	15	26.8	0.4	27.2
VI	1	1	0.3	0.0	0.3
VT	1	2	4.0	0.0	4.0
WA	11	19	7.6	95.5	103.1
WI	13	32	89.9	0.9	90.8
WV	5	11	213.1	0.0	213.1
WY	2	19	1.9	0.0	1.9
TOTAL	464	2718	\$10,022.7M	\$1,816.2M	\$11,838.9M

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

2001 Lightning Fatalities

There were 44 lightning fatalities in 2001, 7 less than in 2000—a decrease of 14%. This number falls well below the 10-year average of 52 fatalities. For the 4th year, Florida was hardest hit with 8 fatalities (18%). Illinois suffered 5 fatalities and Colorado and Virginia each had 3. Twenty-eight of the lightning fatalities (64%) occurred in open areas such as parks, parking lots and fields. In 2001, 36 of the 44 lightning fatalities (82%) were male—more than 4 times as many men as women. The 10- to 60-year age group accounted for 98% of fatalities.

2001 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	1	0	0	0	0	0	0	0	0	1	2
CA	0	0	0	0	0	0	0	2	0	0	2
CO	0	0	0	0	0	0	0	3	0	0	3
FL	0	0	0	0	0	0	2	6	0	0	8
GA	0	0	0	0	0	0	0	1	0	0	1
IL	0	0	0	0	1	0	1	3	0	0	5
IN	0	0	0	0	1	0	0	0	0	0	1
LA	0	0	0	0	0	0	0	1	0	0	1
MA	0	0	0	0	0	0	0	1	0	0	1
MI	0	0	0	0	0	0	0	1	0	0	1
MS	0	0	0	0	0	0	0	1	0	0	1
NE	0	0	0	0	0	0	0	1	0	0	1
NJ	0	1	0	0	0	0	0	1	0	0	2
OH	0	0	0	0	0	0	1	0	0	1	2
PA	1	0	0	0	0	0	0	0	0	1	2
PR	0	0	0	0	0	0	0	2	0	0	2
SC	0	0	0	0	0	0	0	1	0	0	1
SD	0	0	0	0	0	0	0	2	0	0	2
TN	0	0	0	0	0	0	0	0	0	1	1
TX	0	0	0	0	0	0	0	1	0	0	1
VA	0	1	0	0	0	0	2	0	0	0	3
WI	0	0	0	0	0	0	0	1	0	0	1
TOTAL	2	2	0	0	2	0	6	28	0	4	44
PERCENT	5	5	0	0	5	0	14	64	0	9	102*

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

2001 LIGHTNING 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	7	0	7	16
20 TO 29	1	7	0	8	18
30 TO 39	3	10	0	13	30
40 TO 49	3	5	0	8	18
50 TO 59	1	6	0	7	16
60 TO 69	0	1	0	1	2
70 TO 79	0	0	0	0	0
80 TO 89	0	0	0	0	0
90 TO --	0	0	0	0	0
UNKNOWN	0	0	0	0	0
TOTAL	8	36	0	44	100
PERCENT	18	82	0	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

2001 Tornado Fatalities

In 2001, the National Weather Service recorded 1,213 tornadoes; just slightly above the 3-year average of 1,209 tornadoes. Tornado fatalities have decreased for the 5th straight year with only 40 fatalities in 2001. This is significantly less than the 10-year average of 57. Continuing a trend from 1999, there were more female (21) than male deaths (19). Forty-three percent of the fatalities occurred in mobile homes, while 38% occurred in permanent homes. Tornado fatalities were evenly spaced throughout age groups. Tornado injuries continue a downward trend. In 1999, there were 1,842 injuries; in 2000, 882; and in 2001, 743. The deadliest tornado occurred on February 24 in northern Mississippi. The tornado touched down in Calhoun County and tracked 52 miles through Pontotoc, Union, Lee, and Prentiss Counties. The tornado reached F3 on the Fujita Tornado Intensity Scale, leaving 6 dead and 73 injured.

2001 TORNADO FATALITIES BY STATE AND LOCATION

<u>STATE</u>	<u>BU</u>	<u>LS</u>	<u>MH</u>	<u>OT</u>	<u>OU</u>	<u>PH</u>	<u>SC</u>	<u>VE</u>	<u>TOTAL</u>
AL	0	0	6	0	0	0	0	0	6
AR	0	0	4	0	0	1	0	0	5
FL	0	0	1	0	0	1	0	0	2
IA	2	0	0	0	0	0	0	0	2
IN	1	0	1	0	0	0	0	0	2
KS	0	0	0	0	0	1	0	0	1
LA	0	0	0	0	0	0	0	1	1
MD	0	0	0	0	0	0	0	2	2
MO	0	0	1	0	0	0	0	0	1
MS	0	0	1	0	2	9	0	0	12
OK	0	0	1	0	0	0	0	0	1
TN	0	0	2	0	0	1	0	0	3
WI	0	0	0	0	0	2	0	0	2
TOTAL	3	0	17	0	2	15	0	3	40
PERCENT	8	0	43	0	5	38	0	8	102*

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

2001 TORNADO FATALITIES BY AGE AND GENDER

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
0 TO 9	0	5	0	5	13
10 TO 19	2	0	0	2	5
20 TO 29	3	0	0	3	8
30 TO 39	1	2	0	3	8
40 TO 49	3	5	0	8	20
50 TO 59	1	1	0	2	5
60 TO 69	4	2	0	6	15
70 TO 79	6	3	0	9	23
80 TO 89	1	1	0	2	5
90 TO --	0	0	0	0	0
UNKNOWN	0	0	0	0	0
TOTAL	21	19	0	40	102*
PERCENT	53	48	0	100	

(* 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

2001 Tropical Cyclone Fatalities

The 2001 Atlantic Basin tropical cyclone season was very active with 15 named storms - 9 hurricanes and 6 tropical storms. On average, there are 10 named storms, 6 of which become hurricanes. In 2001, tropical storms and hurricanes caused 24 fatalities compared to 0 in 2000. The most deadly storm was Tropical Storm Allison, June 5-9, which moved very slowly from the Gulf of Mexico into Texas, causing heavy rainfall and severe local flooding. Allison caused 22 of the 24 fatalities. Florida (Tropical Storm Gabrielle) and Guam (Typhoon Faxai in the Marshall Islands) each recorded one victim. Ten of the deaths were located in the water and nine were in vehicles. The 20- to 59-age group accounted for 80% of the deaths of which 71 percent were males. For the 2001 hurricane tracking map, go to: <http://www.nhc.noaa.gov/2001.html>. Also, a copy of the Tropical Storm Allison Service Assessment can be found at <ftp://ftp.nws.noaa.gov/om/assessments/allison.pdf>.

2001 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	1	0	0	0	0	0	0	0	0	0	1
GU	0	0	0	0	0	0	1	0	0	0	1
TX	0	0	10	0	0	0	0	3	0	9	22
TOTAL	1	0	10	0	0	0	1	3	0	9	24
PERCENT	4	0	42	0	0	0	4	13	0	38	100

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

2001 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	0	0	0	0	0
10 TO 19	0	0	0	0	0
20 TO 29	0	4	0	4	17
30 TO 39	2	4	0	6	25
40 TO 49	2	3	0	5	21
50 TO 59	2	2	0	4	17
60 TO 69	1	1	0	2	8
70 TO 79	0	2	0	2	8
80 TO 89	0	0	0	0	0
90 TO --	0	0	0	0	0
UNKNOWN	0	1	0	1	4
TOTAL	7	17	0	24	100
PERCENT	29	71	0	100	

LEGEND

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

2001 Heat Related Fatalities

For the 4th year, heat ranked as the most deadly weather hazard. In 2001, extreme heat claimed 166 lives, 36% of all fatalities (464). The 10-year average for heat deaths is 219, compared to 88 for floods. In 2001, 76% of the fatalities occurred in permanent homes. The elderly are more susceptible to heat stress and heat stroke, 78% of the victims were more than 50 years of age. Males accounted for 60% of the deaths and females, 40%. Illinois (36), Missouri (30), Pennsylvania (28), and Texas (20) accounted for 114 (69%) of the 166 fatalities.

2001 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>
AR	0	0	0	0	0	1	0	0	1
CA	0	0	0	0	0	3	0	0	3
IA	0	0	0	0	0	0	1	0	1
IL	0	0	0	0	1	0	35	0	36
LA	0	0	0	0	0	0	1	0	1
MD	0	0	0	0	1	0	4	0	5
MI	0	0	0	0	0	0	0	1	1
MN	1	0	0	0	0	0	10	0	11
MO	0	0	0	0	1	3	21	5	30
MS	0	0	0	0	0	0	0	1	1
NC	0	0	0	0	1	0	0	0	1
NE	0	0	0	0	0	1	0	0	1
NJ	0	0	0	0	0	0	2	0	2
NV	0	0	0	0	0	0	0	1	1
NY	0	0	0	0	4	0	0	0	4
OK	0	0	0	0	2	1	6	0	9
PA	0	0	0	0	0	0	28	0	28
TX	0	0	1	0	0	7	10	2	20
WI	0	0	0	0	1	1	8	0	10
TOTAL	1	0	1	0	11	17	126	10	166
PERCENT	1	0	1	0	7	10	76	6	101*

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

2001 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	3	4	0	7	4
10 TO 19	0	1	0	1	1
20 TO 29	0	3	0	3	2
30 TO 39	1	6	0	7	4
40 TO 49	2	15	0	17	10
50 TO 59	3	26	0	29	17
60 TO 69	7	16	0	23	14
70 TO 79	24	27	0	51	31
80 TO 89	25	2	0	27	16
90 TO --	1	0	0	1	1
UNKNOWN	0	0	0	0	0
TOTAL	66	100	0	166	100
PERCENT	40	60	0	100	

LEGEND

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

2001 Flash Flood / River Flood Related Fatalities

In 2001, flooding (flash floods, river floods, and urban/small stream floods) caused 48 fatalities, compared to 38 in 2000. The 10-year average for flood deaths is 88. Of the 48 deaths, 24 (50%) of the victims were in a vehicles and 12 (25%) were directly in water. Texas (9) and Arizona (6) accounted for 31% of flood fatalities. Several fatalities occurred on November 15 in Texas when up to 10 inches of rain fell, causing rivers, streams, and creeks to overflow their banks onto roadways. Most of the fatalities occurred when occupants of vehicles stranded while crossing water covered roadways attempted to reach safety but were swept downstream.

Flash floods caused 35 deaths; river and stream floods caused 13. In 2001, 29 of the flooding victims were male (60%) and 19 were female (40%). Fifty-nine percent of the fatalities were in the 0 to 29 age group; however, the 50- to 59-age group also had 15% of the fatalities.

2001 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE AND LOCATION									
STATE	BO	BU	CA	IW	MH	OT	PH	VE	TOTAL
AZ	0	0	0	3	0	3	0	0	6
FL	0	0	0	1	0	0	0	1	2
GA	0	0	0	0	0	0	0	1	1
IL	0	0	0	0	0	0	0	1	1
IN	0	0	0	0	0	0	0	2	2
KS	0	0	0	1	0	0	0	0	1
KY	0	0	0	1	0	0	0	1	2
MI	0	0	0	0	0	0	0	3	3
MN	0	0	0	0	0	2	0	1	3
MO	0	0	0	2	0	0	0	1	3
MS	0	0	0	0	0	0	0	1	1
OH	0	0	0	1	0	0	2	0	3
PA	0	0	0	0	0	0	0	1	1
PR	0	0	0	2	0	0	0	0	2
SC	0	0	0	1	0	0	0	1	2
TN	0	0	0	0	0	0	0	1	1
TX	0	0	0	0	0	1	0	8	9
VA	0	0	0	0	1	0	0	0	1
WA	0	0	0	0	0	0	0	1	1
WV	0	0	0	0	0	2	1	0	3
TOTAL	0	0	0	12	1	8	3	24	48
PERCENT	0	0	0	25	2	17	6	50	100

2001 FLASH FLOOD / RIVER FLOOD FATALITIES BY AGE AND GENDER					
	FEMALE	MALE	UNKNOWN	TOTAL	PERCENT
0 TO 9	2	7	0	9	19
10 TO 19	3	6	0	9	19
20 TO 29	4	6	0	10	21
30 TO 39	2	3	0	5	10
40 TO 49	1	2	0	3	6
50 TO 59	6	1	0	7	15
60 TO 69	0	2	0	2	4
70 TO 79	0	1	0	1	2
80 TO 89	0	1	0	1	2
90 TO --	0	0	0	0	0
UNKNOWN	1	0	0	1	2
TOTAL	19	29	0	48	100
PERCENT	40	60	0	100	

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

2001 Flash Flood / River Flood Related Fatalities (Continued)

2001 FLASH FLOOD / RIVER FLOOD FATALITIES BY STATE

<u>STATE</u>	<u>FLASH FLOOD</u>	<u>RIVER FLOOD</u>	<u>TOTAL</u>
AZ	6	0	6
FL	1	1	2
GA	1	0	1
IL	0	1	1
IN	0	2	2
KS	1	0	1
KY	2	0	2
MI	0	3	3
MN	0	3	3
MO	3	0	3
MS	0	1	1
OH	3	0	3
PA	1	0	1
PR	2	0	2
SC	1	1	2
TN	0	1	1
TX	9	0	9
VA	1	0	1
WA	1	0	1
WV	3	0	3
TOTAL	35	13	48
PERCENT	73	27	100

2001 FLASH FLOOD / RIVER FLOOD FATALITIES BY GENDER

	<u>FLASH FLOOD</u>	<u>RIVER FLOOD</u>	<u>TOTAL</u>	<u>PERCENT</u>
FEMALE	15	4	19	40
MALE	20	9	29	60
UNKNOWN	0	0	0	0
TOTAL	35	13	48	100
PERCENT	73	27	100	

2001 Cold Related Fatalities

In 2001, only 4 people died from hypothermia, compared to 26 in 2000, a decrease of 85%. The 10-year average for cold related deaths is 27. Florida, Iowa, Michigan, and Missouri each recorded one death due to cold. All the deaths occurred outside, and males and females were even with 2 each.

2001 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>
FL	0	0	0	1	0	0	1
IA	0	0	0	1	0	0	1
MI	0	0	0	1	0	0	1
MO	0	0	0	1	0	0	1
TOTAL	0	0	0	4	0	0	4
PERCENT	0	0	0	100	0	0	100

2001 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	1	0	1	25
40 TO 49	0	0	0	0	0
50 TO 59	0	0	0	0	0
60 TO 69	0	1	0	1	25
70 TO 79	1	0	0	1	25
80 TO 89	1	0	0	1	25
90 TO --	0	0	0	0	0
UNKNOWN	0	0	0	0	0
TOTAL	2	2	0	4	100
PERCENT	50	50	0	100	

LEGEND

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

2001 Winter Weather Related Fatalities

There were 18 winter weather deaths in 2001, down 56% from the 41 fatalities in 2000. This total is significantly lower than the 10-year average of 52. The 18 fatalities resulted from automobile accidents and exposure. Kansas and Utah recorded the most victims with 5 and 4, respectively. The winter weather fatalities were fairly evenly spaced throughout the age groups. There were no ice related deaths again in 2001 but avalanches claimed 15 victims. In 2000, avalanches killed 16.

2001 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>
AK	0	0	0	2	0	0	2
AZ	0	0	0	0	0	1	1
CA	0	0	0	0	0	1	1
ID	0	0	0	0	0	1	1
KS	0	0	0	0	0	5	5
MT	0	0	0	0	0	1	1
NM	0	0	0	2	0	0	2
UT	0	0	0	1	0	3	4
VT	0	0	0	0	0	1	1
TOTAL	0	0	0	5	0	13	18
PERCENT	0	0	0	28	0	72	100

2001 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	0	0	1	6
10 TO 19	2	0	0	2	11
20 TO 29	0	3	0	3	17
30 TO 39	0	0	0	0	0
40 TO 49	3	0	0	3	17
50 TO 59	2	2	0	4	22
60 TO 69	0	1	0	1	6
70 TO 79	1	1	0	2	11
80 TO 89	0	0	0	0	0
90 TO --	0	0	0	0	0
UNKNOWN	0	2	0	2	11
TOTAL	9	9	0	18	101*
PERCENT	50	50	0	100	

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

LEGEND

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

2001 Wind Related Fatalities

Wind related fatalities totaled 31 in 2001, significantly lower than 2000's total of 51. Many of the deaths (17) occurred when trees or telephone poles fell onto moving vehicles, killing either the driver or occupants. Thunderstorm winds accounted for 55% of the fatalities whereas high winds had 45%. Alabama and Washington suffered the most deaths with 4 and 3, respectively. Almost twice as many males as females died from thunderstorm and high winds. Almost all age groups were vulnerable to both thunderstorm and high winds.

2001 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>
AL	0	0	0	1	0	0	0	0	3	4
AZ	0	0	0	0	0	0	0	0	1	1
CA	0	0	0	0	0	1	0	0	1	2
FL	0	0	0	0	2	0	0	0	0	2
IA	0	0	0	0	1	0	0	0	0	1
IL	0	0	0	0	0	0	0	0	2	2
KS	0	0	0	0	0	0	0	0	1	1
KY	0	0	0	2	0	0	0	0	0	2
LA	0	0	0	0	0	0	0	0	1	1
ME	1	0	0	0	0	0	0	0	0	1
MI	0	0	0	0	1	0	0	0	0	1
MS	0	0	0	0	0	0	0	0	2	2
NC	0	0	0	0	0	0	0	0	1	1
OH	0	0	0	0	1	0	0	0	0	1
OK	1	0	0	0	0	0	0	0	1	2
TN	0	0	0	0	0	0	1	0	0	1
TX	0	0	0	1	0	0	0	0	1	2
UT	0	0	0	0	1	0	0	0	0	1
WA	0	0	0	0	0	0	0	0	3	3
TOTAL	2	0	0	4	6	1	1	0	17	31
PERCENT	6	0	0	13	19	3	3	0	55	99*

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

2001 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	2	0	0	2	6
10 TO 19	2	1	0	3	10
20 TO 29	1	2	0	3	10
30 TO 39	1	5	0	6	19
40 TO 49	2	4	0	6	19
50 TO 59	2	4	0	6	19
60 TO 69	0	1	0	1	3
70 TO 79	1	2	0	3	10
80 TO 89	0	0	0	0	0
90 TO --	0	0	0	0	0
UNKNOWN	0	1	0	1	3
TOTAL	11	20	0	31	99*
PERCENT	35	65	0	100	

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

LEGEND

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

2001 Wind Related Fatalities (Continued)

2001 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY STATE

<u>STATE</u>	<u>TSTM WIND</u>	<u>HIGH WIND</u>	<u>TOTAL</u>
AL	2	2	4
AZ	1	0	1
CA	1	1	2
FL	0	2	2
IA	1	0	1
IL	1	1	2
KS	0	1	1
KY	2	0	2
LA	1	0	1
ME	0	1	1
MI	1	0	1
MS	2	0	2
NC	0	1	1
OH	0	1	1
OK	2	0	2
TN	1	0	1
TX	1	1	2
UT	1	0	1
WA	0	3	3
TOTAL	17	14	31
PERCENT	55	45	100

2001 HIGH WIND AND THUNDERSTORM WIND FATALITIES BY GENDER

	<u>TSTM WIND</u>	<u>HIGH WIND</u>	<u>TOTAL</u>	<u>PERCENT</u>
FEMALE	7	4	11	35
MALE	10	10	20	65
UNKNOWN	0	0	0	0
TOTAL	17	14	31	100
PERCENT	55	45	100	



TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR YEAR 2001



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	0	0	0	0	0	0	0	1	1	0	0	0	2
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	0	0	0
CALIFORNIA	0	0	0	0	0	0	0	0	2	0	0	0	2
COLORADO	0	0	0	0	2	0	0	1	0	0	0	0	3
CONNECTICUT	0	0	0	0	0	0	0	0	0	0	0	0	0
DELAWARE	0	0	0	0	0	0	0	0	0	0	0	0	0
DISTRICT OF COLUMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	0	0	2	0	0	1	1	2	4	0	0	0	10
GEORGIA	0	0	0	0	0	1	0	0	0	0	0	0	1
HAWAII	0	0	0	0	0	0	0	0	0	2	0	0	2
IDAHO	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	0	1	0	1	0	0	1	1	1	0	0	0	5
INDIANA	0	0	0	0	0	0	1	0	0	0	0	0	1
IOWA	0	0	0	0	0	0	0	0	0	0	0	0	0
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	0	0	0	0	1	0	0	0	0	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	1	0	0	0	0	0	1
MINNESOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
MISSISSIPPI	0	0	0	0	0	1	0	0	0	0	0	0	1
MISSOURI	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	0	0	0	0	0	0	0	0	0	0	0	0	0
NEBRASKA	0	0	0	0	0	0	1	0	0	0	0	0	1
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	1	0	1	0	0	0	0	2
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	0	0	0	0	0	0	0
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
OHIO	0	0	0	2	0	0	0	0	0	0	0	0	2
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	1	0	0	1	0	0	0	2
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	0	0	1	0	0	0	1
SOUTH DAKOTA	0	0	0	0	0	2	0	0	0	0	0	0	2
TENNESSEE	0	0	0	1	0	0	0	0	0	0	0	0	1
TEXAS	0	0	0	0	0	0	0	1	0	0	0	0	1
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	0	0	3	0	0	0	0	3
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	1	0	0	0	0	1
WYOMING	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL: UNITED STATES	0	1	2	4	3	7	6	11	10	2	0	0	46



TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR YEAR 2001



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	0	0	0	1	3	1	3	4	7	0	1	0	20
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	0	0	0	0	0	1	0	0	0	0	0	1
ARKANSAS	0	0	0	0	0	0	3	0	1	0	0	0	4
CALIFORNIA	1	0	0	0	0	0	1	0	2	0	0	0	4
COLORADO	0	0	0	1	5	5	3	5	0	0	0	0	19
CONNECTICUT	0	0	0	0	0	0	2	2	0	0	0	0	4
DELAWARE	0	0	0	0	0	0	1	2	0	0	0	0	3
DISTRICT OF COLUMBIA	0	0	0	0	0	0	0	0	0	0	0	0	0
FLORIDA	0	0	4	0	3	34	20	9	4	1	0	0	75
GEORGIA	1	0	1	0	11	1	3	0	1	0	0	0	18
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	1	1	2	2	0	0	0	6
IOWA	0	0	0	3	0	0	1	0	0	0	0	0	4
KANSAS	0	0	0	0	0	0	0	0	0	0	0	0	0
KENTUCKY	0	0	0	0	0	0	1	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	1	8	0	0	0	0	0	9
MARYLAND	0	0	0	0	0	2	1	2	0	0	0	0	5
MASSACHUSETTS	0	0	0	0	2	0	0	0	0	0	0	0	2
MICHIGAN	0	0	0	0	0	0	0	0	1	1	0	0	2
MINNESOTA	0	0	0	0	0	0	25	0	0	2	0	0	27
MISSISSIPPI	0	0	0	0	1	3	6	0	1	0	0	0	11
MISSOURI	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	0	0	0	0	3	0	0	0	0	0	0	0	3
NEBRASKA	0	0	0	0	0	0	1	0	0	0	0	0	1
NEVADA	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW HAMPSHIRE	0	0	0	0	1	0	0	0	0	0	0	0	1
NEW JERSEY	0	0	0	0	2	1	2	14	0	0	0	0	19
NEW MEXICO	0	0	0	0	0	0	1	0	0	0	0	0	1
NEW YORK	0	0	0	0	5	15	5	2	3	1	0	0	31
NORTH CAROLINA	2	0	0	0	1	1	0	4	0	0	0	0	8
NORTH DAKOTA	0	0	0	0	0	0	0	0	0	0	0	0	0
OHIO	0	0	1	0	1	2	1	0	0	0	0	0	5
OKLAHOMA	5	0	0	0	3	0	0	0	1	1	0	0	10
OREGON	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA	0	0	0	0	0	9	0	1	0	0	0	0	10
PUERTO RICO	0	0	0	0	0	0	0	0	0	0	0	0	0
RHODE ISLAND	0	0	0	0	0	0	4	0	0	0	0	0	4
SOUTH CAROLINA	0	0	0	1	0	1	0	4	0	0	0	0	6
SOUTH DAKOTA	0	0	0	1	0	3	0	0	0	0	0	0	4
TENNESSEE	0	0	0	0	0	0	1	13	0	1	0	0	15
TEXAS	0	0	0	0	4	0	0	2	0	0	0	0	6
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	1	3	2	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	0	0	9	0	0	0	0	9
WISCONSIN	0	0	0	3	0	0	4	0	0	0	0	0	7
WYOMING	0	0	0	0	0	4	2	0	0	0	0	0	6
TOTAL: UNITED STATES	9	0	6	10	45	86	105	77	24	7	1	0	370



TOTAL LIGHTNING DEATHS BY STATE AND NATION FOR PERIOD 1959-2001



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	0	0	1	3	4	10	10	8	2	1	0	0	39
ALASKA	0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA	0	0	0	0	4	0	8	8	9	2	0	1	32
ARKANSAS	0	0	8	0	2	15	18	15	4	0	0	0	62
CALIFORNIA	0	0	0	0	1	2	3	1	7	0	0	0	14
COLORADO	0	0	0	2	3	12	28	16	7	1	0	0	69
CONNECTICUT	0	0	0	0	1	2	3	2	0	0	0	0	8
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	5	8	52	69	59	36	2	0	0	235
GEORGIA	0	0	3	2	5	11	17	11	2	1	0	0	52
HAWAII	0	0	0	0	0	0	0	0	0	3	0	0	3
IDAHO	0	0	0	0	0	4	2	1	1	0	0	0	8
ILLINOIS	0	1	0	3	3	17	9	13	5	1	0	0	52
INDIANA	0	0	1	2	3	10	10	10	4	2	0	0	42
IOWA	0	0	0	1	5	10	2	12	1	2	0	0	33
KANSAS	0	0	0	3	3	6	7	2	1	1	3	0	26
KENTUCKY	0	0	0	2	3	10	9	9	12	0	0	0	45
LOUISIANA	1	1	1	4	6	16	25	3	11	0	2	2	72
MAINE	0	0	0	0	0	1	4	4	0	3	0	0	12
MARYLAND	0	0	0	0	2	5	8	6	2	1	0	81	105
MASSACHUSETTS	0	0	0	0	1	4	2	5	1	0	0	0	13
MICHIGAN	0	0	0	1	2	14	22	14	6	0	0	0	59
MINNESOTA	0	0	0	1	2	9	6	11	2	1	0	0	32
MISSISSIPPI	0	0	3	1	5	8	19	9	5	0	0	0	50
MISSOURI	0	0	4	0	7	16	8	7	1	1	0	0	44
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	6	8	5	0	0	0	26
NEW MEXICO	0	0	0	0	3	6	13	26	2	0	0	0	50
NEW YORK	0	0	1	0	4	11	35	18	5	2	0	0	76
NORTH CAROLINA	0	1	2	0	6	12	28	21	4	0	0	0	74
NORTH DAKOTA	0	0	0	0	0	3	3	1	0	0	0	0	7
OHIO	0	0	0	4	5	14	22	13	9	2	2	0	71
OKLAHOMA	1	0	0	3	6	8	7	16	10	2	0	0	53
OREGON	0	0	0	0	1	0	0	0	2	0	0	0	3
PENNSYLVANIA	0	0	0	1	2	11	22	13	8	2	0	0	59
PUERTO RICO	0	0	0	0	0	0	2	6	0	0	0	0	8
RHODE ISLAND	0	0	0	0	0	0	1	0	2	0	0	0	3
SOUTH CAROLINA	0	0	1	0	3	6	13	10	9	0	0	0	42
SOUTH DAKOTA	0	0	0	0	4	3	2	1	2	2	0	0	14
TENNESSEE	0	1	0	6	7	23	15	12	12	2	1	0	79
TEXAS	0	1	2	10	16	12	26	17	10	2	0	0	96
UTAH	0	0	0	1	1	4	5	7	4	0	0	0	22
VERMONT	0	0	0	0	0	1	1	2	0	0	0	0	4
VIRGINIA	0	0	0	1	1	4	8	8	3	0	0	0	25
WASHINGTON	0	0	0	1	0	1	1	0	1	0	0	0	4
WEST VIRGINIA	0	0	0	0	3	4	5	4	1	0	0	0	17
WISCONSIN	0	0	1	1	0	7	7	13	2	0	0	1	32
WYOMING	0	0	0	0	0	4	6	5	2	0	0	0	17
TOTAL: UNITED STATES	2	5	32	59	140	388	535	438	217	36	8	85	1945



TOTAL LIGHTNING INJURIES BY STATE AND NATION FOR PERIOD 1959-2001



STATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA	1	2	11	4	13	18	66	29	17	4	1	0	166
ALASKA	0	0	0	0	0	0	1	1	0	0	0	0	2
ARIZONA	0	1	0	0	4	6	17	43	22	10	1	3	107
ARKANSAS	1	1	3	7	8	25	22	40	8	0	0	1	116
CALIFORNIA	1	0	7	2	1	4	11	8	19	1	1	0	55
COLORADO	0	0	0	4	28	72	88	83	18	5	0	0	298
CONNECTICUT	1	1	2	1	2	7	18	8	18	3	0	0	61
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	0	2	17	20	48	199	279	190	143	39	1	1	939
GEORGIA	3	51	4	3	31	54	84	42	8	5	0	1	286
HAWAII	0	1	0	0	0	0	0	4	0	0	3	0	8
IDAHO	0	0	0	0	0	18	10	10	6	1	0	0	45
ILLINOIS	0	1	0	2	14	34	29	49	27	6	0	0	162
INDIANA	0	0	2	1	16	19	37	24	10	0	0	0	109
IOWA	0	0	0	6	11	28	14	11	6	1	0	0	77
KANSAS	0	0	5	4	6	15	30	17	27	2	2	0	108
KENTUCKY	0	0	1	2	11	17	42	14	8	0	0	0	95
LOUISIANA	4	1	5	25	15	19	35	24	10	7	2	2	149
MAINE	0	10	0	0	3	18	39	18	0	0	1	0	89
MARYLAND	1	0	1	2	6	31	25	25	4	3	0	0	98
MASSACHUSETTS	0	0	0	0	14	43	72	54	26	0	0	1	210
MICHIGAN	0	0	2	9	26	77	108	64	29	9	0	0	324
MINNESOTA	0	0	1	0	9	14	48	18	2	5	0	0	97
MISSISSIPPI	1	0	4	2	11	8	51	16	9	3	7	1	113
MISSOURI	0	1	1	9	5	14	12	17	8	1	4	0	72
MONTANA	0	0	0	0	4	8	5	2	1	1	0	0	21
NEBRASKA	0	0	0	2	13	7	9	11	3	0	0	0	45
NEVADA	0	0	0	0	3	2	8	3	1	0	0	0	17
NEW HAMPSHIRE	0	0	1	0	1	5	39	14	0	0	0	0	60
NEW JERSEY	1	0	0	1	12	7	22	31	19	0	0	0	93
NEW MEXICO	0	0	0	1	3	12	52	56	6	1	0	0	131
NEW YORK	0	0	1	1	24	73	94	116	28	6	1	0	344
NORTH CAROLINA	2	2	19	4	19	71	101	102	22	2	1	0	345
NORTH DAKOTA	0	0	0	0	1	1	6	3	2	0	0	0	13
OHIO	0	0	3	5	31	55	64	94	53	4	12	0	321
OKLAHOMA	6	0	1	7	19	22	26	34	28	21	8	2	174
OREGON	0	0	0	0	1	0	0	10	1	0	0	0	12
PENNSYLVANIA	1	1	0	0	25	111	96	36	45	3	0	0	318
PUERTO RICO	0	0	0	0	0	0	0	2	0	0	0	0	2
RHODE ISLAND	0	0	0	0	0	3	5	9	3	0	1	0	21
SOUTH CAROLINA	0	0	0	6	11	18	47	32	17	0	1	0	132
SOUTH DAKOTA	0	0	0	2	3	12	12	7	1	2	0	0	39
TENNESSEE	1	3	6	25	30	15	65	47	9	6	1	0	208
TEXAS	2	3	5	6	26	39	54	53	44	8	3	0	243
UTAH	0	0	0	1	8	17	10	18	7	1	0	0	62
VERMONT	0	0	0	0	0	5	5	2	0	0	0	0	12
VIRGINIA	0	0	4	4	7	29	68	25	9	0	0	0	146
WASHINGTON	0	0	0	1	0	12	4	14	1	0	1	1	34
WEST VIRGINIA	0	0	0	10	1	4	40	36	0	1	0	0	92
WISCONSIN	0	1	1	6	3	49	50	38	7	3	0	0	158
WYOMING	0	0	0	1	2	18	12	16	8	0	0	0	57
TOTAL: UNITED STATES	26	82	107	186	536	1354	2035	1623	741	164	53	13	6920



NATIONAL TOTAL LIGHTNING DEATHS BY YEAR FOR PERIOD 1959-2001



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	1	2	4	3	7	6	11	12	0	0	0	46
TOTAL	2	5	32	59	140	388	535	438	220	33	8	85	1945
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 1959-2001



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
TOTAL	26	82	107	186	536	1354	2035	1623	741	164	53	13	6920
MEAN	1	2	2	4	12	31	47	38	17	4	1	0	161



LIGHTNING DEATHS BY STATE, RANK, AND LOCATION OF OCCURRENCE

1959-2001



2001

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	22	10	26	12	31	8	21	0	0	0	0	0	0	9	23	1	50	1	50	0	0	0	0	0	0	0	0	0	0
ALASKA	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
ARIZONA	26	16	50	2	6	1	3	1	3	3	9	2	6	7	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ARKANSAS	10	20	32	11	18	2	3	5	8	2	3	0	0	22	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CALIFORNIA	36	3	21	3	21	1	7	2	14	0	0	0	0	5	36	2	100	0	0	0	0	0	0	0	0	0	0	0	0
COLORADO	9	31	45	14	20	2	3	2	3	5	7	0	0	15	22	1	33	1	33	0	0	0	0	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	39	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	47	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	62	26	32	14	61	26	16	7	9	4	0	0	55	23	2	20	0	0	5	50	0	0	0	0	0	0	3	30
GEORGIA	15	18	35	9	17	8	15	4	8	2	4	1	2	10	19	0	0	0	0	0	0	1	100	0	0	0	0	0	0
HAWAII	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
IDAHO	41	1	13	1	13	1	13	4	50	1	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ILLINOIS	14	12	23	13	25	3	6	4	8	4	8	1	2	15	29	0	0	0	0	1	20	1	20	1	20	0	0	2	40
INDIANA	21	9	21	16	38	2	5	3	7	1	2	0	0	11	26	0	0	0	0	0	0	0	0	1	100	0	0	0	0
IOWA	23	6	18	1	3	1	3	5	15	1	3	0	0	19	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KANSAS	28	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	18	10	22	4	9	2	4	2	4	2	4	1	2	24	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOUISIANA	7	6	8	25	35	18	25	6	8	0	0	0	0	17	24	0	0	0	0	1	100	0	0	0	0	0	0	0	0
MAINE	38	0	0	0	0	5	42	0	0	0	0	0	0	7	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARYLAND	2	7	7	4	4	10	10	1	1	0	0	1	1	82	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	1	100	0	0	0	0	0	0	0	0	0	0	0	0
MICHIGAN	12	16	27	15	25	8	14	2	3	6	10	2	3	10	17	1	100	0	0	0	0	0	0	0	0	0	0	0	0
MINNESOTA	25	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	17	16	32	12	24	6	12	4	8	0	0	0	0	12	24	0	0	0	0	0	0	0	0	0	0	0	1	100	0
MISSOURI	19	9	20	9	20	8	18	2	5	2	5	1	2	13	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MONTANA	35	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	30	11	44	2	8	2	8	6	24	0	0	0	0	4	16	1	100	0	0	0	0	0	0	0	0	0	0	0	0
NEVADA	46	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	52	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	27	8	31	6	23	4	15	0	0	2	8	0	0	6	23	0	0	0	0	1	50	0	0	0	0	0	0	1	50
NEW MEXICO	16	25	50	6	12	3	6	0	0	0	0	2	4	14	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW YORK	5	11	14	16	21	9	12	3	4	4	5	0	0	33	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH CAROLINA	6	16	22	10	14	8	11	4	5	2	3	0	0	34	46	0	0	0	0	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 1959-2001



2001

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	18	25	10	14	8	11	7	10	6	8	1	1	21	30	0	0	1	50	0	0	0	0	0	0	0	0	0	1	50
OKLAHOMA	13	20	38	3	6	15	28	4	8	0	0	2	4	9	17	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	11	24	41	5	8	1	2	1	2	4	7	0	0	24	41	1	50	1	50	0	0	0	0	0	0	0	0	0	0	
PUERTO RICO	40	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	49	0	0	0	0	0	0	0	0	0	0	0	0	3	100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
SOUTH CAROLINA	20	6	14	13	31	6	14	6	14	2	5	1	2	8	19	0	0	0	0	0	0	0	0	0	0	0	0	1	100	
SOUTH DAKOTA	34	3	21	1	7	3	21	5	36	1	7	0	0	1	7	1	50	0	0	1	50	0	0	0	0	0	0	0	0	
TENNESSEE	4	18	23	22	28	4	5	6	8	5	6	1	1	23	29	0	0	1	100	0	0	0	0	0	0	0	0	0	0	
TEXAS	3	34	35	16	17	14	15	10	10	3	3	0	0	19	20	0	0	0	0	0	0	0	0	0	0	0	0	1	100	
UTAH	31	11	50	6	27	0	0	2	9	0	0	0	0	3	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VERMONT	45	1	25	1	25	0	0	0	0	0	0	0	0	2	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VIRGINIA	29	8	32	5	20	1	4	3	12	1	4	0	0	7	28	0	0	0	0	1	33	2	67	0	0	0	0	0	0	
WASHINGTON	44	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	24	6	35	1	6	1	6	0	0	0	0	5	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WISCONSIN	24	13	41	2	6	6	19	2	6	2	6	0	0	7	22	1	100	0	0	0	0	0	0	0	0	0	0	0	0	
WYOMING	32	12	71	0	0	2	12	0	0	0	0	0	0	3	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
UNITED STATES	0	544	28	329	17	246	13	139	7	76	4	18	1	593	30	13	28	5	11	10	22	5	11	2	4	0	0	11	24	



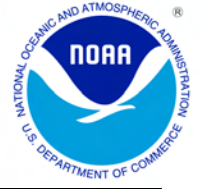
LIGHTNING INJURIES BY STATE, RANK, AND LOCATION OF OCCURRENCE

1959-2001



2001

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	76	24	65	20	10	3	4	1	35	11	12	4	119	37	2	40	0	0	0	0	0	0	0	0	0	1	20	2	40
OKLAHOMA	12	68	39	7	4	9	5	5	3	0	0	11	6	74	43	5	50	0	0	1	10	0	0	0	0	0	0	4	40	
OREGON	49	4	33	0	0	0	0	0	0	0	0	1	8	7	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
PENNSYLVANIA	6	126	40	35	11	3	1	6	2	0	0	6	2	142	45	1	10	9	90	0	0	0	0	0	0	0	0	0	0	
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	42	3	14	6	29	0	0	0	0	0	0	0	0	12	57	0	0	0	0	0	0	0	0	0	0	0	0	4	100	
SOUTH CAROLINA	18	36	27	16	12	6	5	2	2	4	3	3	2	65	49	2	33	1	17	0	0	0	0	0	0	0	0	3	50	
SOUTH DAKOTA	40	11	28	2	5	4	10	5	13	1	3	1	3	15	38	1	25	0	0	2	50	0	0	0	0	0	1	25		
TENNESSEE	11	75	36	58	28	4	2	8	4	2	1	7	3	54	26	11	73	1	7	0	0	2	13	0	0	1	7	0		
TEXAS	9	87	36	35	14	13	5	7	3	4	2	3	1	94	39	0	0	4	67	0	0	0	0	1	17	0	0	1	17	
UTAH	33	13	21	19	31	2	3	4	6	2	3	2	3	20	32	0	0	0	0	0	0	0	0	1	100	0	0	0	0	
VERMONT	48	4	33	1	8	0	0	0	0	0	0	0	0	7	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
VIRGINIA	17	26	18	11	8	8	5	1	1	6	4	6	4	88	60	2	33	0	0	0	0	0	0	0	0	1	17	3	50	
WASHINGTON	41	22	65	5	15	0	0	0	0	0	0	1	3	6	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
WEST VIRGINIA	29	34	37	7	8	3	3	1	1	2	2	0	0	45	49	9	100	0	0	0	0	0	0	0	0	0	0	0	0	
WISCONSIN	15	66	42	3	2	6	4	3	2	6	4	4	3	70	44	7	100	0	0	0	0	0	0	0	0	0	0	0	0	
WYOMING	36	25	44	0	0	10	18	5	9	3	5	0	0	14	25	2	33	0	0	0	0	4	67	0	0	0	0	0	0	
UNITED STATES	0	2060	30	967	14	371	5	292	4	223	3	209	3	798	40	119	32	65	18	22	6	14	4	8	2	7	2	135	36	



TORNADO SUMMARY BY STATE AND NATION, 2001

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
ALABAMA													
NUMBER	1	1	2	0	2	2	0	1	0	9	36	1	55
DAYS	1	1	2	0	1	1	0	1	0	1	2	1	11
DEATHS	0	0	2	0	0	0	0	0	0	0	4	0	6
INJURIES	4	0	1	0	0	0	0	0	0	0	102	0	107
ARIZONA													
NUMBER	0	0	0	1	0	0	0	1	2	0	0	0	4
DAYS	0	0	0	1	0	0	0	1	1	0	0	0	3
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
ARKANSAS													
NUMBER	0	15	0	0	9	0	0	0	0	0	12	4	40
DAYS	0	1	0	0	3	0	0	0	0	0	3	1	8
DEATHS	0	1	0	0	0	0	0	0	0	0	4	0	5
INJURIES	0	17	0	0	0	0	0	0	0	0	18	0	35
CALIFORNIA													
NUMBER	0	1	0	2	0	0	1	0	0	0	1	2	7
DAYS	0	1	0	2	0	0	1	0	0	0	1	2	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
COLORADO													
NUMBER	0	0	0	0	21	16	6	3	0	0	0	0	46
DAYS	0	0	0	0	3	5	5	2	0	0	0	0	15
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	13	0	0	0	0	0	0	0	13
CONNECTICUT													
NUMBER	0	0	0	0	0	3	1	0	0	0	0	0	4
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	1	0	0	0	0	0	0	1
DISTRICT OF COLUMBIA													
NUMBER	0	0	0	0	0	0	0	0	1	0	0	0	1
DAYS	0	0	0	0	0	0	0	0	1	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
FLORIDA													
NUMBER	0	0	14	0	0	15	7	5	20	6	2	0	69
DAYS	0	0	4	0	0	12	7	4	4	3	1	0	35
DEATHS	0	0	1	0	0	1	0	0	0	0	0	0	2
INJURIES	0	0	27	0	0	1	0	0	0	1	0	0	29
GEORGIA													
NUMBER	3	1	3	0	1	2	0	0	1	0	1	0	12
DAYS	1	1	2	0	1	2	0	0	1	0	1	0	9
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	8	0	15	0	0	0	0	0	0	0	0	0	23
IDAHO													
NUMBER	0	0	0	0	0	0	1	0	1	0	0	0	2
DAYS	0	0	0	0	0	0	1	0	1	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
ILLINOIS													
NUMBER	0	0	0	2	4	0	4	6	0	5	0	0	21
DAYS	0	0	0	2	3	0	2	2	0	1	0	0	10
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	1	0	0	0	0	0	2	0	0	3
INDIANA													
NUMBER	0	0	0	0	7	1	2	3	0	9	1	0	23
DAYS	0	0	0	0	3	1	2	1	0	1	1	0	9
DEATHS	0	0	0	0	0	0	0	0	0	2	0	0	2
INJURIES	0	0	0	0	3	0	0	2	0	19	0	0	24
IOWA													
NUMBER	0	0	0	40	12	34	1	10	8	0	0	0	105
DAYS	0	0	0	6	1	5	1	1	2	0	0	0	16
DEATHS	0	0	0	2	0	0	0	0	0	0	0	0	2
INJURIES	0	0	0	8	0	3	0	0	1	0	0	0	12
KANSAS													
NUMBER	0	0	0	35	29	24	2	7	4	0	0	0	101
DAYS	0	0	0	6	7	5	1	1	1	0	0	0	21
DEATHS	0	0	0	1	0	0	0	0	0	0	0	0	1
INJURIES	0	0	0	31	0	0	0	0	0	0	0	0	31

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



TORNADO SUMMARY BY STATE AND NATION, 2001

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
KENTUCKY													
NUMBER	0	0	0	0	1	2	2	0	0	0	1	0	6
DAYS	0	0	0	0	1	1	2	0	0	0	1	0	5
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	10	0	0	0	0	4	0	14
LOUISIANA													
NUMBER	1	0	2	0	0	2	0	0	0	8	14	5	32
DAYS	1	0	1	0	0	2	0	0	0	2	5	3	14
DEATHS	0	0	0	0	0	1	0	0	0	0	0	0	1
INJURIES	0	0	0	0	0	0	0	0	0	0	3	0	3
MAINE													
NUMBER	0	0	0	0	0	1	1	0	0	0	0	0	2
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	0	1	0	0	0	0	0	1
MARYLAND													
NUMBER	0	0	0	0	6	0	3	0	1	0	0	0	10
DAYS	0	0	0	0	4	0	3	0	1	0	0	0	8
DEATHS	0	0	0	0	0	0	0	0	2	0	0	0	2
INJURIES	0	0	0	0	0	0	0	0	55	0	0	0	55
MASSACHUSETTS													
NUMBER	0	0	0	0	0	2	0	0	0	0	0	0	2
DAYS	0	0	0	0	0	2	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
MICHIGAN													
NUMBER	0	0	0	2	20	4	0	1	1	7	0	0	35
DAYS	0	0	0	1	2	3	0	1	1	1	0	0	9
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	5	0	0	1	1	1	0	0	8
MINNESOTA													
NUMBER	0	0	0	0	24	35	11	2	1	0	0	0	73
DAYS	0	0	0	0	3	7	4	1	1	0	0	0	16
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	1	12	0	0	0	0	0	0	13
MISSISSIPPI													
NUMBER	0	7	8	0	3	6	0	2	1	14	14	5	60
DAYS	0	2	1	0	1	3	0	2	1	2	2	2	16
DEATHS	0	7	0	0	0	0	0	0	0	0	5	0	12
INJURIES	0	74	12	0	0	2	0	0	0	0	116	0	204
MISSOURI													
NUMBER	0	1	0	14	10	1	0	2	5	4	2	0	39
DAYS	0	1	0	4	5	1	0	2	2	3	1	0	19
DEATHS	0	0	0	1	0	0	0	0	0	0	0	0	1
INJURIES	0	0	0	3	0	0	0	0	0	6	3	0	12
MONTANA													
NUMBER	0	0	0	0	0	0	9	0	0	0	0	0	9
DAYS	0	0	0	0	0	0	4	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
NEBRASKA													
NUMBER	0	0	0	14	6	14	13	1	3	11	0	0	62
DAYS	0	0	0	4	3	5	7	1	2	1	0	0	23
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	4	0	2	0	3	0	0	0	0	9
NEVADA													
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
NEW JERSEY													
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	0	0	0	0	0	0	0	0	0
NEW MEXICO													
NUMBER	0	0	0	0	1	1	0	3	0	0	0	0	5
DAYS	0	0	0	0	1	1	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

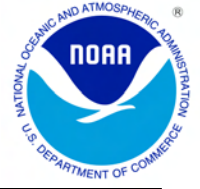
* CORRECTED FOR BOUNDARY-CROSSING TORNADOES
& TORNADO DAYS FOR COUNTRY AS A WHOLE



TORNADO SUMMARY BY STATE AND NATION, 2001

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
NEW YORK													
NUMBER	0	0	0	0	0	0	2	0	1	0	0	0	3
DAYS	0	0	0	0	0	0	1	0	1	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
NORTH CAROLINA													
NUMBER	0	0	0	4	3	2	1	1	2	0	0	0	13
DAYS	0	0	0	2	2	1	1	1	2	0	0	0	9
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	3	0	0	0	0	0	0	3
NORTH DAKOTA													
NUMBER	0	0	0	0	1	10	33	3	0	0	0	0	47
DAYS	0	0	0	0	1	3	8	2	0	0	0	0	14
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	1	0	0	0	0	0	0	1
OHIO													
NUMBER	0	0	0	1	5	1	0	0	0	1	0	0	8
DAYS	0	0	0	1	3	1	0	0	0	1	0	0	6
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
OKLAHOMA													
NUMBER	0	0	0	10	25	1	0	0	6	19	0	0	61
DAYS	0	0	0	2	7	1	0	0	6	1	0	0	17
DEATHS	0	0	0	1	0	0	0	0	0	0	0	0	1
INJURIES	0	0	0	5	1	0	0	0	0	10	0	0	16
OREGON													
NUMBER	0	0	0	0	1	0	0	2	1	0	0	0	4
DAYS	0	0	0	0	1	0	0	1	1	0	0	0	3
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	0	0	0	0	0
PENNSYLVANIA													
NUMBER	0	0	0	2	1	3	2	2	2	0	0	0	12
DAYS	0	0	0	1	1	3	2	2	2	0	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
PUERTO RICO													
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
SOUTH CAROLINA													
NUMBER	0	0	1	0	0	11	2	0	0	0	0	0	14
DAYS	0	0	1	0	0	2	1	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	39	0	0	0	0	0	39
SOUTH DAKOTA													
NUMBER	0	0	0	0	0	18	12	1	0	0	0	0	31
DAYS	0	0	0	0	0	4	6	1	0	0	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
TENNESSEE													
NUMBER	0	4	0	0	3	3	0	0	0	3	1	0	14
DAYS	0	1	0	0	1	2	0	0	0	1	1	0	6
DEATHS	0	0	0	0	1	0	0	0	0	0	2	0	3
INJURIES	0	0	0	0	2	0	0	0	0	0	12	0	14
TEXAS													
NUMBER	0	0	3	10	36	12	0	7	15	23	26	5	137
DAYS	0	0	3	5	15	4	0	4	4	3	4	2	44
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	2	4	0	0	0	0	32	9	2	49
UTAH													
NUMBER	0	0	0	0	0	0	1	3	1	0	0	0	5
DAYS	0	0	0	0	0	0	1	2	1	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
VIRGINIA													
NUMBER	0	0	0	0	4	2	0	1	6	0	0	0	13
DAYS	0	0	0	0	3	2	0	1	2	0	0	0	8
DEATHS	0	0	0	0	0	0	0	0	0	0	0	0	0
INJURIES	0	0	0	0	0	0	0	0	4	0	0	0	4

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



TORNADO SUMMARY BY STATE AND NATION, 2001

LOCATION	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANN
WASHINGTON													
NUMBER	0	0	0	0	0	2	0	0	0	0	0	0	2
DAYS	0	0	0	0	0	2	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
WEST VIRGINIA													
NUMBER	0	0	0	0	1	0	0	0	0	0	0	0	1
DAYS	0	0	0	0	1	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
WISCONSIN													
NUMBER	0	0	0	0	3	5	0	2	2	0	0	0	12
DAYS	0	0	0	0	1	2	0	2	2	0	0	0	7
DEATHS	0	0	0	0	0	2	0	0	0	0	0	0	2
INJURIES	0	0	0	0	0	16	0	0	1	0	0	0	17
WYOMING													
NUMBER	0	0	0	1	0	11	4	0	0	0	0	0	16
DAYS	0	0	0	1	0	4	2	0	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	2	0	0	0	0	0	0	2
UNITED STATES													
NUMBER	5	30	33	139*	240	247	122	69	85*	119*	111*	22	1213*
DAYS	2	3	8	15	26	28	25	19	19	9	11	9	174
DEATHS	0	8	3	5	1	4	0	0	2	2	15	0	40
INJURIES	12	91	55	54	30	53	40	6	62	71	267	2	743

* CORRECTED FOR BOUNDARY-CROSSING TORNAOES
& TORNAO DAYS FOR COUNTRY AS A WHOLE



NATIONS SUMMARY OF TORNADOS, TORNADO DAYS AND DEATHS BY MONTH AND ANNUAL, 1953-2001



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
POR	979	251	121	1101	296	284	2719	596	414	5575	852	1294	75	52	294	8656	1305	512	4893	1255	56	3015	1038	112	2108	714	73	1583	414	85	1576	329	164	862	246	133	42143	8541	4181
MEAN	20	5	2	22	6	6	55	12	8	114	17	26	187	25	19	177	27	10	100	26	1	62	21	2	43	15	1	32	8	2	32	7	3	18	5	3	860	174	85



TORNADOES, TORNADO DAYS AND DEATHS BY STATE AND NATION 1953-2001



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	1173	24	55	2001	5	1956	4.65	575	12	341	7	66
ALASKA	1	0	1	1959	0	1989+	.00	1	0	0	0	0
ARIZONA	192	4	17	1972	0	1965+	.36	150	3	3	0	0
ARKANSAS	1164	24	106	1999	2	1987+	4.52	496	10	228	5	43
CALIFORNIA	323	7	25	1998	0	1968+	.44	231	5	0	0	0
COLORADO	1576	32	98	1996+	1	1959	3.07	769	16	2	0	0
CONNECTICUT	71	1	8	1973	0	1988+	2.00	61	1	4	0	8
DELAWARE	55	1	6	1992	0	1987+	4.86	44	1	2	0	10
DISTRICT OF COLUMBIA	2	0	1	1995+	0		0	.0	2	0	0	0
FLORIDA	2642	54	115	1997	10	1956	9.22	1619	33	133	3	23
GEORGIA	1040	21	52	1994	2	1987	3.57	559	11	148	3	25
HAWAII	27	1	4	1971	0	1987+	1.55	23	0	0	0	0
IDAHO	160	3	13	2000	0	1977+	.36	127	3	0	0	0
ILLINOIS	1588	32	107	1974	4	1953	5.67	657	13	182	4	32
INDIANA	1048	21	49	1990	4	1984	5.79	480	10	223	5	61
IOWA	1750	36	105	2001	7	1956	6.40	729	15	65	1	12
KANSAS	2550	52	116	1991	14	1976	6.32	1032	21	197	4	24
KENTUCKY	536	11	39	1997	0	1953	2.72	284	6	110	2	27
LOUISIANA	1318	27	79	1992	3	1955	5.56	718	15	114	2	23
MAINE	93	2	11	1971	0	1987+	.60	83	2	1	0	0
MARYLAND	243	5	24	1995	0	1988+	4.73	148	3	4	0	4
MASSACHUSETTS	142	3	12	1958	0	1988+	3.63	101	2	102	2	124
MICHIGAN	828	17	39	1974	2	1959	2.92	464	9	238	5	41
MINNESOTA	1169	24	73	2001	5	1988+	2.85	559	11	86	2	10
MISSISSIPPI	1283	26	62	1988	1	1979	5.45	597	12	383	8	80
MISSOURI	1380	28	79	1973	6	1979+	4.02	608	12	138	3	20
MONTANA	326	7	30	1991	0	1974+	.48	223	5	1	0	0
NEBRASKA	2115	43	102	1999	10	1966	5.57	903	18	51	1	7
NEVADA	65	1	8	1987+	0	1985+	.09	60	1	0	0	0
NEW HAMPSHIRE	77	2	9	1963	0	1987+	2.15	68	1	0	0	0
NEW JERSEY	127	3	17	1989	0	1984+	3.83	97	2	0	0	0
NEW MEXICO	463	9	31	1991	0	1953	.74	333	7	3	0	0
NEW YORK	307	6	25	1992	0	1953	1.21	209	4	21	0	4
NORTH CAROLINA	855	17	66	1998	2	1970	3.23	455	9	85	2	16
NORTH DAKOTA	1040	21	58	1999	2	1961	2.97	520	11	22	0	3
OHIO	758	15	61	1992	0	1988	3.64	392	8	177	4	43
OKLAHOMA	2778	57	144	1999	17	1988	8.15	1039	21	256	5	37
OREGON	83	2	14	1997	0	1988+	.21	72	1	0	0	0
PENNSYLVANIA	592	12	60	1998	0	1959	2.65	346	7	81	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	631	13	54	1995	1	1986+	4.19	367	7	50	1	16
SOUTH DAKOTA	1382	28	85	1993	1	1958	3.63	608	12	15	0	2
TENNESSEE	683	14	44	1974	1	1987+	3.31	343	7	120	2	28
TEXAS	6710	137	232	1967+	32	1953	5.12	2449	50	499	10	19
UTAH	102	2	7	1998	0	1989+	.24	87	2	1	0	0
VERMONT	33	1	5	1962	0	1985+	1.04	30	1	0	0	0
VIRGINIA	388	8	28	1993	1	1982+	1.96	239	5	25	1	6
VIRGIN ISLANDS	2	0	1	1979+	0	1989+	.00	2	0	0	0	0
WASHINGTON	78	2	14	1997	0	1988+	.29	66	1	6	0	1
WEST VIRGINIA	110	2	16	1998	0	1988+	.83	85	2	2	0	1
WISCONSIN	959	20	43	1980	3	1953	3.63	490	10	85	2	15
WYOMING	534	11	42	1977	0	1970	1.12	353	7	2	0	0
PACIFIC ISLANDS	2	0	1	1981+	0	1989+	.00	2	0	0	0	0
UNITED STATES	43313*	884	1449	1998	421	1953	2.45	8737&	178	4206	86	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 - 2001



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 - 2001



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
MEAN	860	174	85	-	-	147	47	10

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.

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