



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

	<u>FEMALE</u>	<u>MALE</u>	<u>UNKNOWN</u>	<u>TOTAL</u>	<u>PERCENT</u>
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

