



Weather & Alert Services

# 2021 Year in Severe Weather

Annual U.S. Storm Report Summary • Published April 09, 2026

## Year at a Glance

**129,615**

STORM REPORTS

**1,327**

TORNADO REPORTS

**7,106**

HAIL REPORTS

Largest: 5.5"

**52,968**

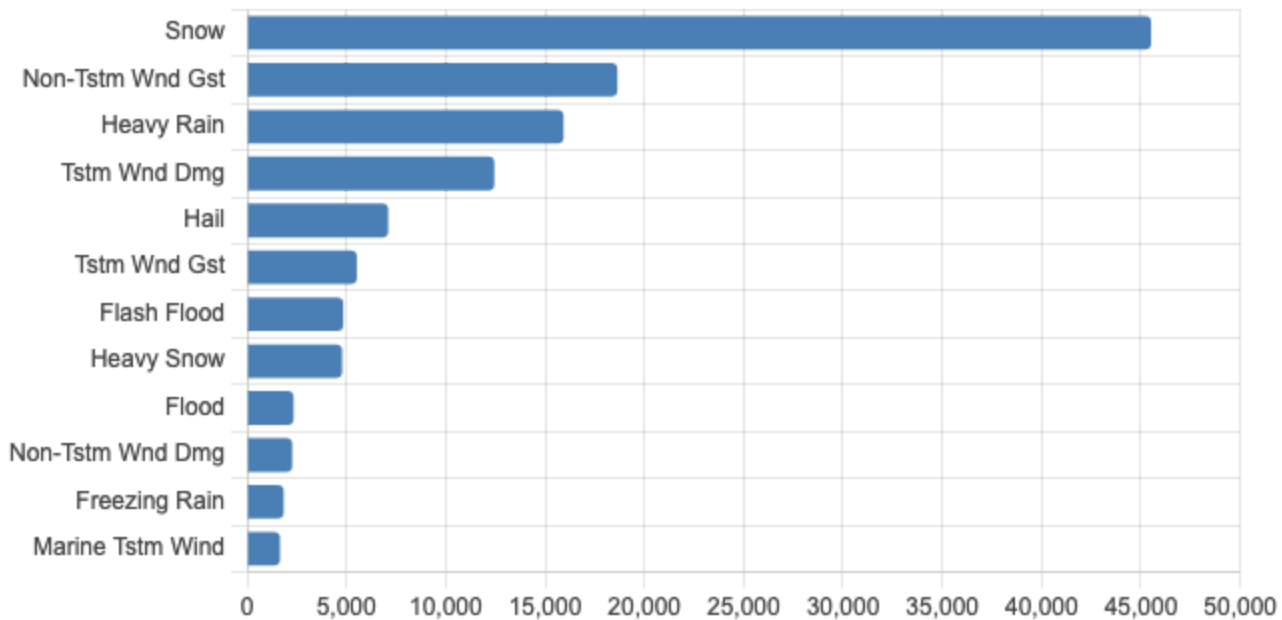
WINTER WEATHER REPORTS

**7,512**

FLOOD / FLASH FLOOD REPORTS

**2021 Highlights:** Snow was the most-reported event with 45,513 reports. February was the busiest month (22,972 reports). Colorado led all states with 9,423 reports. The largest hail recorded measured 5.5 inches in diameter.

## Storm Reports by Event Type



#	Event Type	Reports	% of Total
1	Snow	45,513	35.1%

#	Event Type	Reports	% of Total
2	Non-Tstm Wnd Gst	18,642	14.4%
3	Heavy Rain	15,932	12.3%
4	Tstm Wnd Dmg	12,451	9.6%
5	Hail	7,106	5.5%
6	Tstm Wnd Gst	5,528	4.3%
7	Flash Flood	4,842	3.7%
8	Heavy Snow	4,785	3.7%
9	Flood	2,343	1.8%
10	Non-Tstm Wnd Dmg	2,276	1.8%
11	Freezing Rain	1,846	1.4%
12	Marine Tstm Wind	1,658	1.3%

## Tornado Activity

**1,327**

TORNADO REPORTS

**AL**

MOST ACTIVE STATE

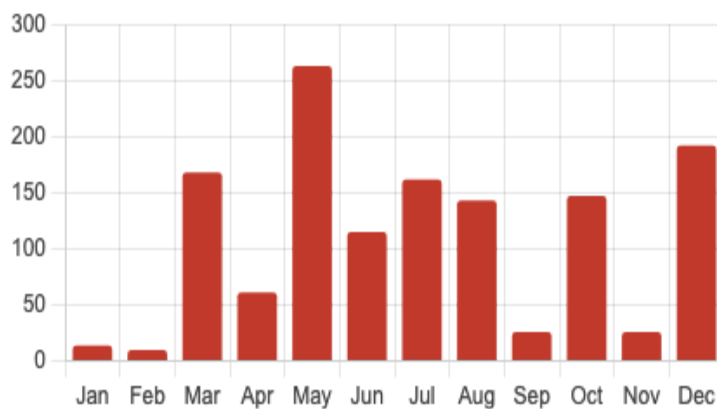
106 reports

**May**

PEAK MONTH

263 reports

### MONTHLY DISTRIBUTION



### TOP STATES

#	State	Reports
1	AL	106
2	TX	91
3	IL	82
4	IA	79
5	MS	76
6	TN	69
7	NE	55
8	MO	54
9	KS	52
10	CO	51

**Data note:** Tornado EF/F intensity ratings are not consistently recorded in storm reports. Counts above represent confirmed tornado reports; intensity data is omitted due to incomplete coverage.

## Hail Activity

**7,106**

HAIL REPORTS

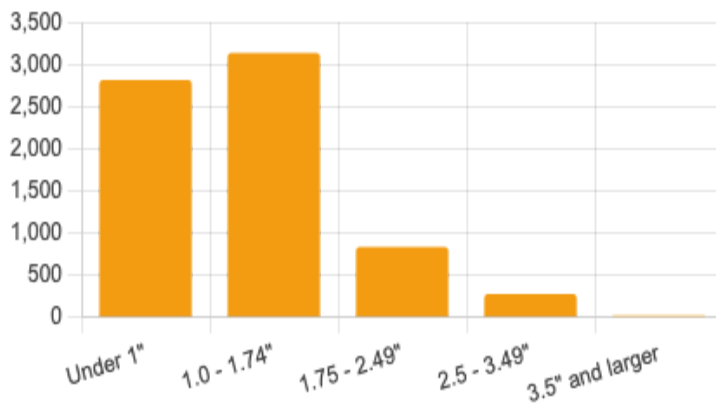
**5.5"**

LARGEST RECORDED

**533**

SIGNIFICANT ( $\geq 2.0"$ )  
Baseball size and larger

### SIZE DISTRIBUTION



### TOP STATES

#	State	Reports
1	TX	880
2	KS	555
3	WI	370
4	NE	345
5	CO	306
6	MN	306
7	SD	292
8	MO	259
9	MT	224
10	ND	208

## Wind Events

**39,513**

WIND REPORTS  
Damaging & measured gusts

**159 mph**

STRONGEST GUST REPORTED

**1,292**

REPORTS  $\geq 75$  MPH  
Hurricane-force threshold

### BY WIND TYPE

Type	Reports
Non-Tstm Wnd Gst	18,642
Tstm Wnd Dmg	12,451
Tstm Wnd Gst	5,528

### TOP STATES

#	State	Reports
1	MT	3,456
2	SD	2,661
3	WY	2,444

Type	Reports
Non-Tstm Wnd Dmg	2,276
High Sust Winds	616

#	State	Reports
4	MI	2,288
5	CO	1,750
6	KS	1,574
7	CA	1,544
8	PA	1,481
9	UT	1,452
10	NY	1,353

## Winter Weather

**52,968**

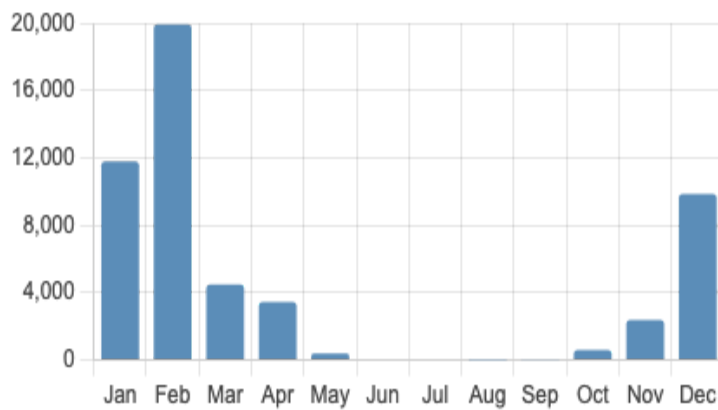
TOTAL WINTER WEATHER REPORTS

**50,298**

SNOW REPORTS

Including heavy snow events

### MONTHLY DISTRIBUTION



### BY EVENT TYPE

Event	Reports
Snow	45,513
Heavy Snow	4,785
Freezing Rain	1,846
Sleet	417
Ice Storm	354
Blizzard	52
Winter Storm	1

### TOP STATES

#	State	Reports
1	CO	6,290
2	NY	3,115
3	MI	2,764
4	MN	2,702
5	WI	2,563
6	MT	1,959

#	State	Reports
7	IL	1,949
8	WY	1,848

## Flood & Flash Flood Reports

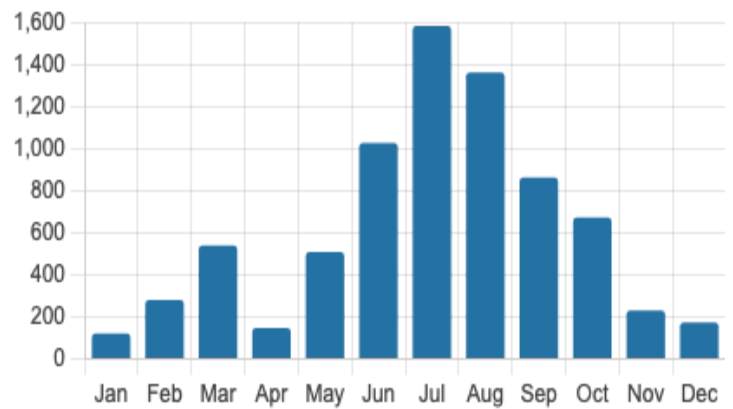
**7,512**

FLOOD REPORTS (ALL TYPES)

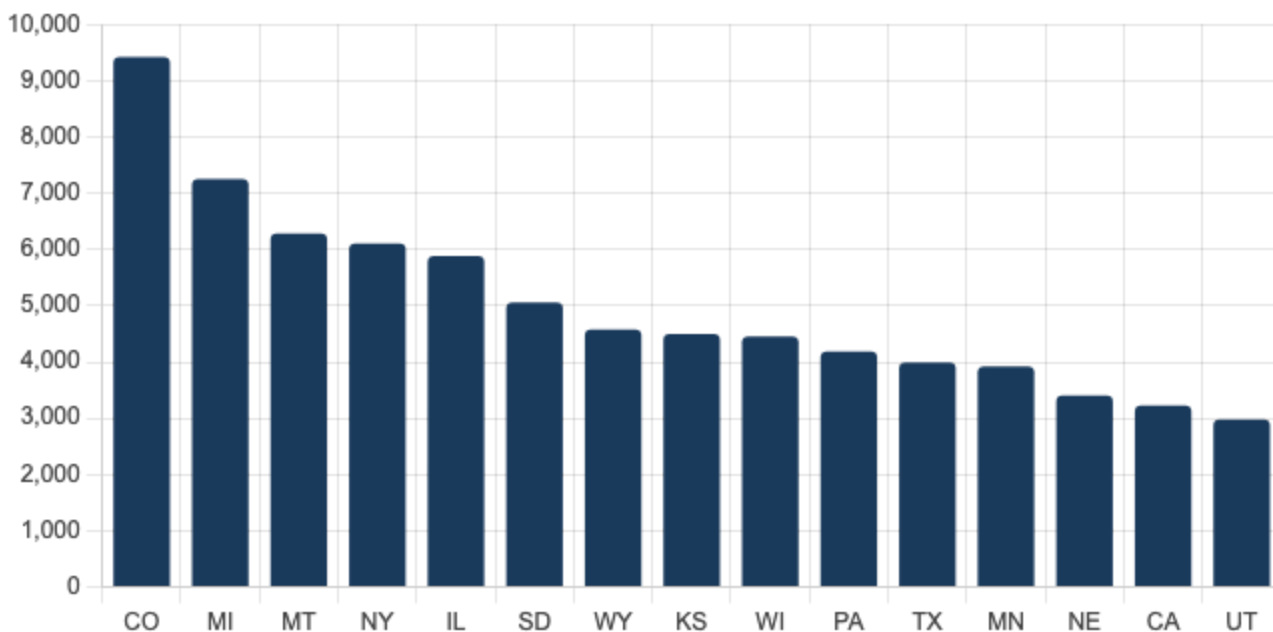
### BY EVENT TYPE

Event	Reports
Flash Flood	4,842
Flood	2,343
Coastal Flood	311
Lakeshore Flood	16

### MONTHLY DISTRIBUTION

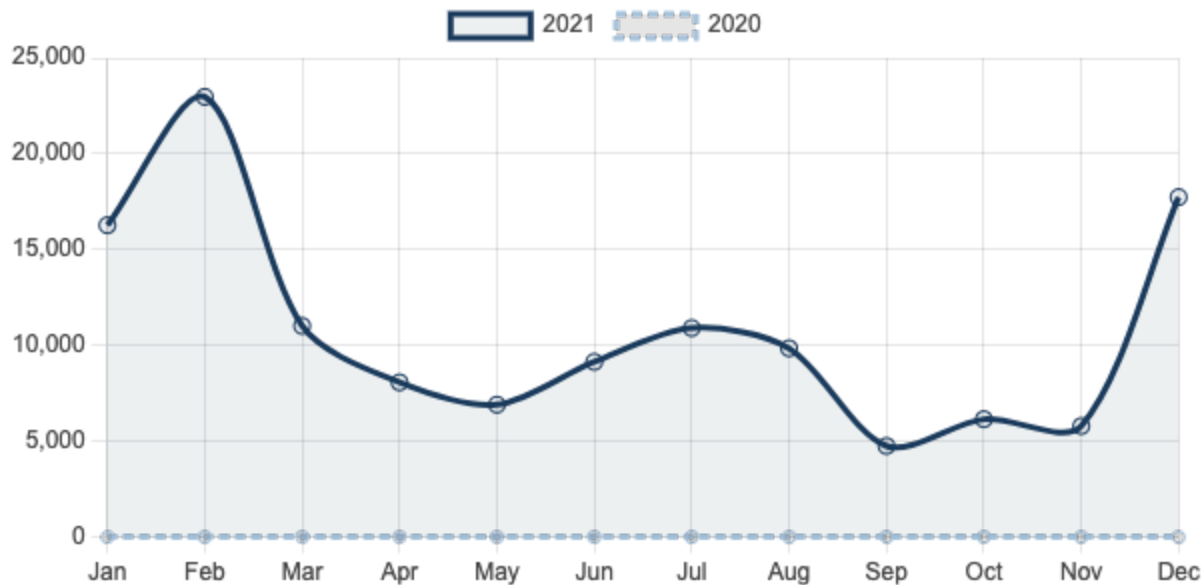


## Geographic Distribution — Top States



#	State	Storm Reports	% of Total
1	CO	9,423	7.3%
2	MI	7,252	5.6%
3	MT	6,285	4.8%
4	NY	6,110	4.7%
5	IL	5,883	4.5%
6	SD	5,058	3.9%
7	WY	4,581	3.5%
8	KS	4,496	3.5%
9	WI	4,458	3.4%
10	PA	4,186	3.2%
11	TX	3,992	3.1%
12	MN	3,921	3.0%
13	NE	3,405	2.6%
14	CA	3,225	2.5%
15	UT	2,977	2.3%
16	VA	2,892	2.2%
17	OH	2,849	2.2%
18	FL	2,822	2.2%
19	IN	2,673	2.1%
20	MO	2,590	2.0%

## Monthly Storm Report Activity



Month	2021 Reports	2020 Reports	Change
Jan	16,274	0	—
Feb	22,972	0	—
Mar	11,022	0	—
Apr	8,076	0	—
May	6,912	0	—
Jun	9,147	0	—
Jul	10,909	0	—
Aug	9,854	0	—
Sep	4,759	0	—
Oct	6,154	0	—
Nov	5,796	0	—
Dec	17,740	0	—

## About This Report

This report summarizes storm spotter reports and NWS weather alerts collected by iAlert for calendar year 2021. Storm report data is sourced from National Weather Service Local Storm Reports (LSRs) ingested by the iAlert weather monitoring system. Alert data represents official NWS alerts issued via the NOAA Weather Wire and CAP alert feed.

**Data coverage:** Contiguous United States, Alaska, Hawaii, and U.S. territories. Data represents events reported through NWS field offices; actual occurrence may be higher in areas with limited spotter coverage. Individual storm events may generate multiple LSR entries from different reporting sources, which are counted separately as received from NWS.

**Wind gust values** reflect reported maximum gusts. Entries over 200 mph are excluded as data entry errors. **Hail sizes** reflect maximum diameter as reported by spotters and NWS personnel.

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