



Weather & Alert Services

# 2019 Year in Severe Weather

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

## Year at a Glance

**151,899**

STORM REPORTS

**1,680**

TORNADO REPORTS

**10,570**

HAIL REPORTS

Largest: 5.5"

**71,074**

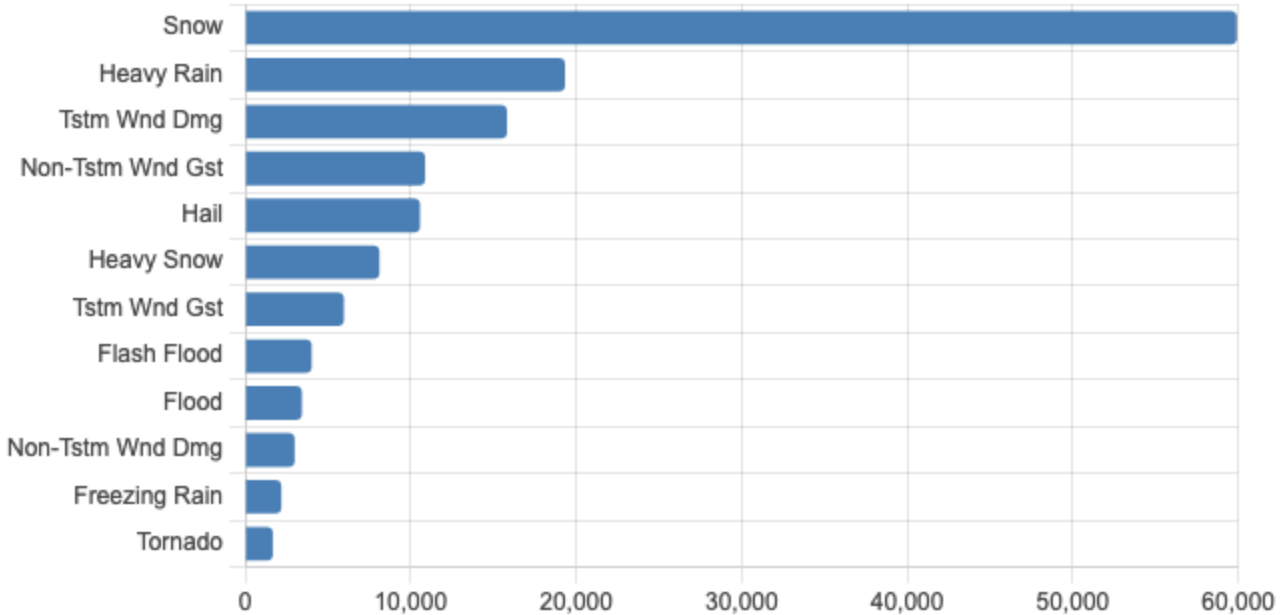
WINTER WEATHER REPORTS

**7,803**

FLOOD / FLASH FLOOD REPORTS

**2019 Highlights:** Snow was the most-reported event with 59,898 reports. February was the busiest month (25,417 reports). Colorado led all states with 11,889 reports. The largest hail recorded measured 5.5 inches in diameter.

## Storm Reports by Event Type



#	Event Type	Reports	% of Total
1	Snow	59,898	39.4%

#	Event Type	Reports	% of Total
2	Heavy Rain	19,331	12.7%
3	Tstm Wnd Dmg	15,822	10.4%
4	Non-Tstm Wnd Gst	10,879	7.2%
5	Hail	10,570	7.0%
6	Heavy Snow	8,118	5.3%
7	Tstm Wnd Gst	5,974	3.9%
8	Flash Flood	4,025	2.6%
9	Flood	3,437	2.3%
10	Non-Tstm Wnd Dmg	2,999	2.0%
11	Freezing Rain	2,194	1.4%
12	Tornado	1,680	1.1%

## Tornado Activity

**1,680**

TORNADO REPORTS

**TX**

MOST ACTIVE STATE

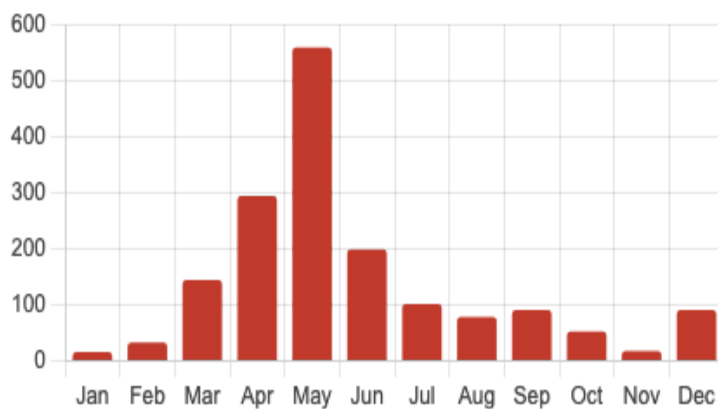
163 reports

**May**

PEAK MONTH

559 reports

### MONTHLY DISTRIBUTION



### TOP STATES

#	State	Reports
1	TX	163
2	MS	149
3	KS	139
4	MO	114
5	AL	110
6	LA	98
7	OK	87
8	IA	61
9	OH	58
10	MN	54

**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

**10,570**

HAIL REPORTS

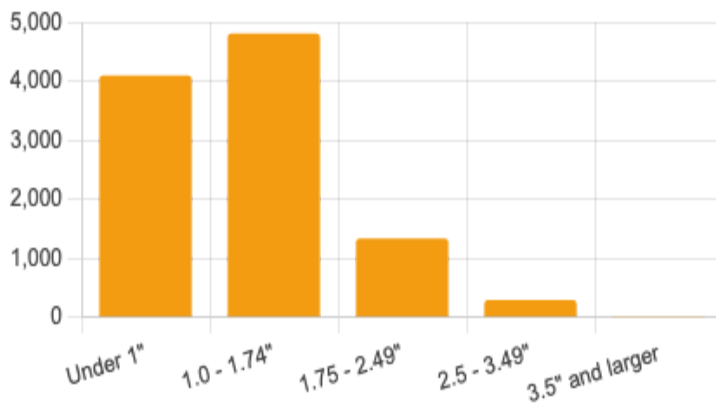
**5.5"**

LARGEST RECORDED

**615**

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

### SIZE DISTRIBUTION



### TOP STATES

#	State	Reports
1	TX	1,284
2	KS	927
3	NE	691
4	CO	615
5	MT	573
6	MO	446
7	SD	429
8	MN	416
9	PA	372
10	IL	356

## Wind Events

**36,251**

WIND REPORTS  
Damaging & measured gusts

**173 mph**

STRONGEST GUST REPORTED

**693**

REPORTS  $\geq 75$  MPH  
Hurricane-force threshold

### BY WIND TYPE

Type	Reports
Tstm Wnd Dmg	15,822
Non-Tstm Wnd Gst	10,879
Tstm Wnd Gst	5,974

### TOP STATES

#	State	Reports
1	VA	1,748
2	MI	1,711
3	TX	1,618

Type	Reports
Non-Tstm Wnd Dmg	2,999
High Sust Winds	577

#	State	Reports
4	PA	1,467
5	NY	1,447
6	MT	1,408
7	FL	1,332
8	KS	1,306
9	CA	1,270
10	OH	1,233

## Winter Weather

**71,074**

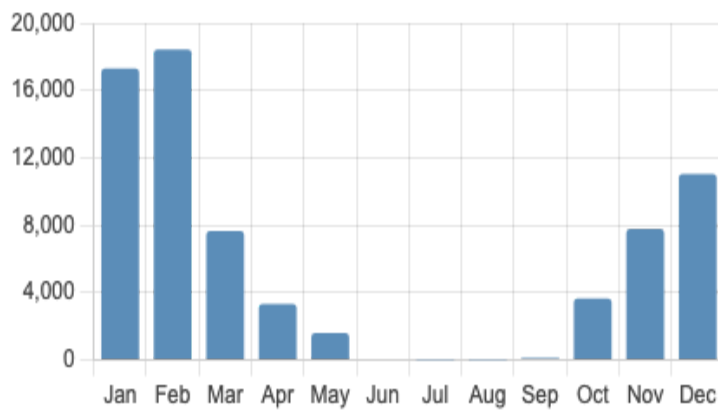
TOTAL WINTER WEATHER REPORTS

**68,016**

SNOW REPORTS

Including heavy snow events

### MONTHLY DISTRIBUTION



### BY EVENT TYPE

Event	Reports
Snow	59,898
Heavy Snow	8,118
Freezing Rain	2,194
Blizzard	365
Sleet	276
Ice Storm	223

### TOP STATES

#	State	Reports
1	CO	9,062
2	MN	4,943
3	WY	4,648
4	WI	4,158
5	MI	3,411
6	NY	3,390
7	MT	2,848

#	State	Reports
8	IA	2,634

## Flood & Flash Flood Reports

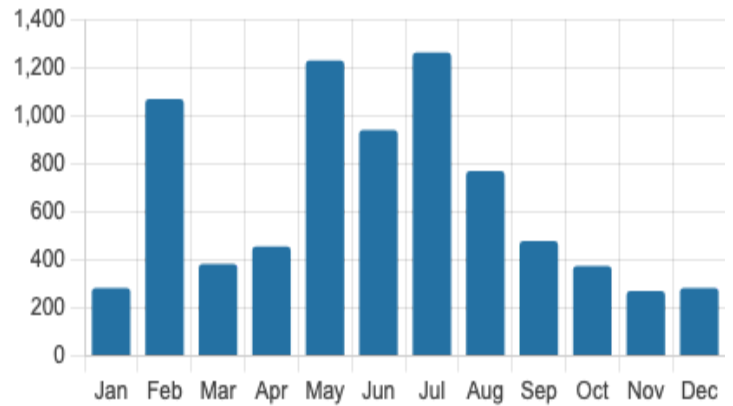
**7,803**

FLOOD REPORTS (ALL TYPES)

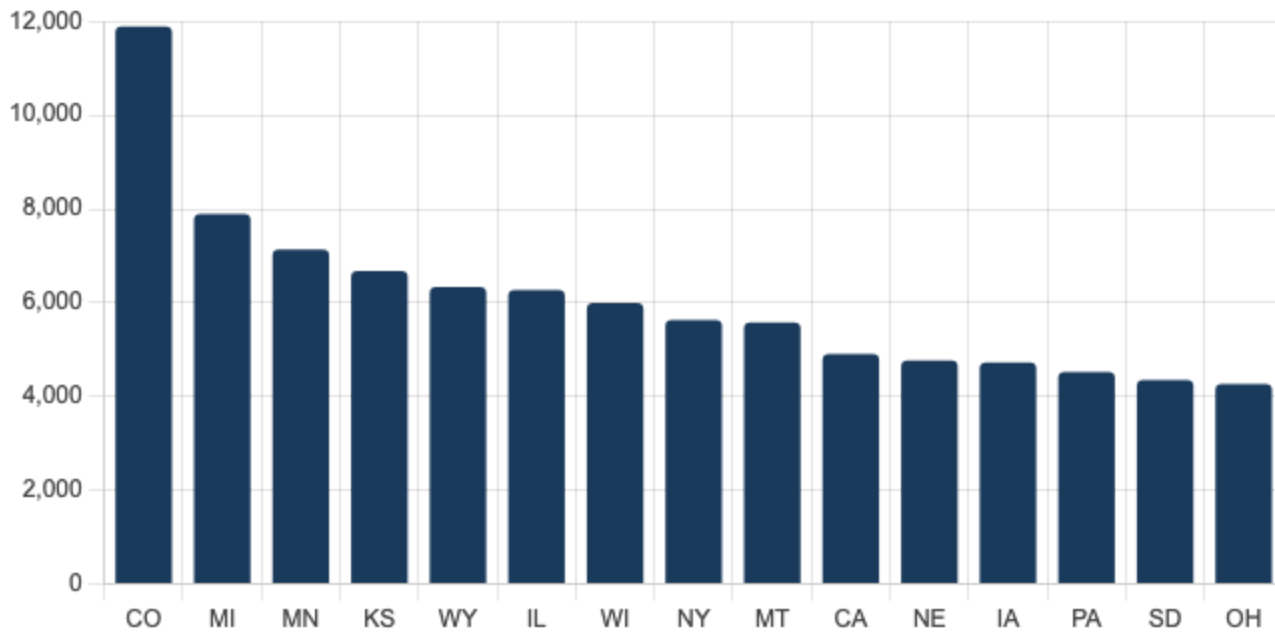
### BY EVENT TYPE

Event	Reports
Flash Flood	4,025
Flood	3,437
Coastal Flood	295
Lakeshore Flood	46

### MONTHLY DISTRIBUTION



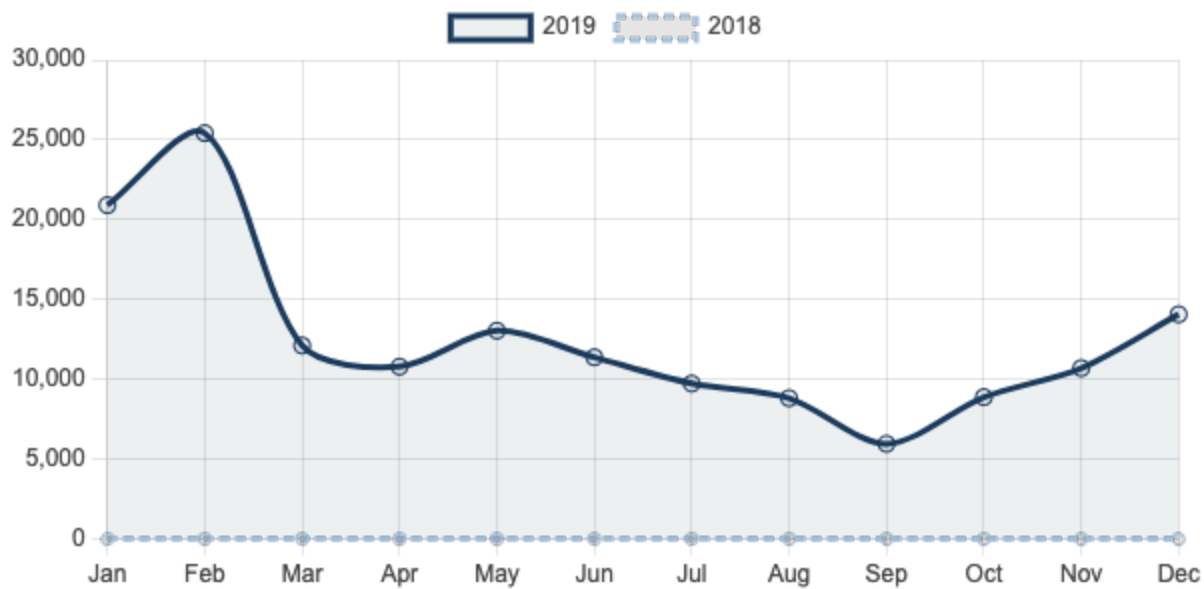
## Geographic Distribution — Top States



#	State	Storm Reports	% of Total
1	CO	11,889	7.8%

#	State	Storm Reports	% of Total
2	MI	7,889	5.2%
3	MN	7,139	4.7%
4	KS	6,674	4.4%
5	WY	6,337	4.2%
6	IL	6,271	4.1%
7	WI	5,999	3.9%
8	NY	5,632	3.7%
9	MT	5,578	3.7%
10	CA	4,905	3.2%
11	NE	4,773	3.1%
12	IA	4,723	3.1%
13	PA	4,529	3.0%
14	SD	4,355	2.9%
15	OH	4,264	2.8%
16	TX	3,822	2.5%
17	MO	3,569	2.3%
18	IN	3,287	2.2%
19	VA	3,284	2.2%
20	ME	2,933	1.9%

## Monthly Storm Report Activity



Month	2019 Reports	2018 Reports	Change
Jan	20,908	0	—
Feb	25,417	0	—
Mar	12,123	0	—
Apr	10,800	0	—
May	13,052	0	—
Jun	11,386	0	—
Jul	9,742	0	—
Aug	8,826	0	—
Sep	5,969	0	—
Oct	8,891	0	—
Nov	10,709	0	—
Dec	14,076	0	—

## About This Report

This report summarizes storm spotter reports and NWS weather alerts collected by iAlert for calendar year 2019. 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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