

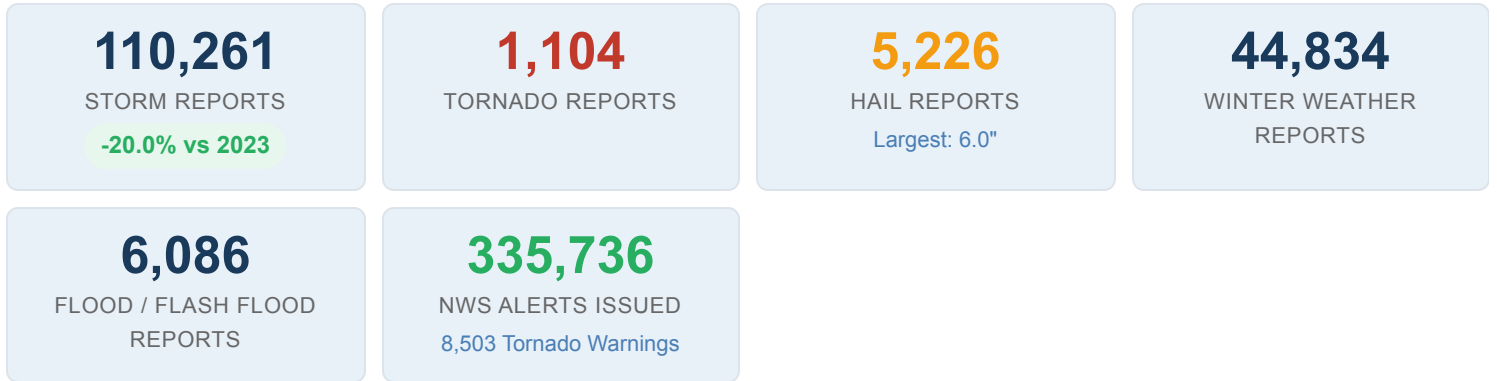


Weather & Alert Services

2024 Year in Severe Weather

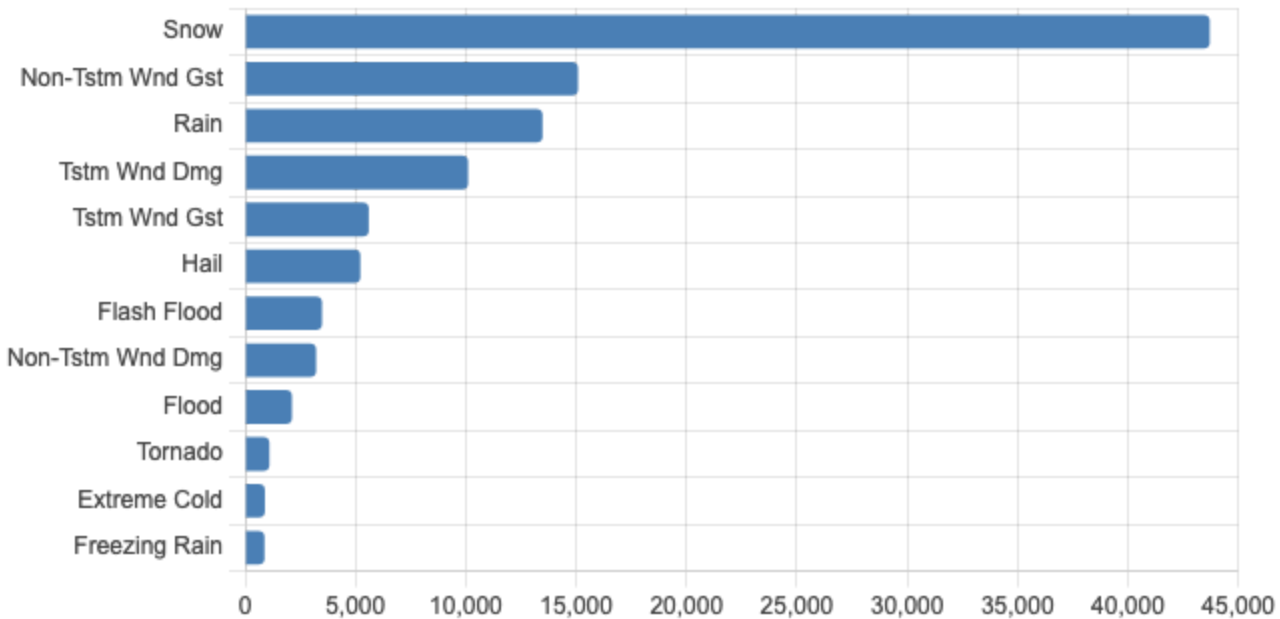
Annual U.S. Storm Report Summary • Published April 09, 2026

Year at a Glance



2024 Highlights: Snow was the most-reported event with 43,706 reports. January was the busiest month (21,896 reports). Colorado led all states with 11,157 reports. The largest hail recorded measured 6.0 inches in diameter.

Storm Reports by Event Type



#	Event Type	Reports	% of Total
1	Snow	43,706	39.6%
2	Non-Tstm Wnd Gst	15,087	13.7%
3	Rain	13,479	12.2%
4	Tstm Wnd Dmg	10,107	9.2%
5	Tstm Wnd Gst	5,606	5.1%
6	Hail	5,226	4.7%
7	Flash Flood	3,489	3.2%
8	Non-Tstm Wnd Dmg	3,221	2.9%
9	Flood	2,126	1.9%
10	Tornado	1,104	1.0%
11	Extreme Cold	901	0.8%
12	Freezing Rain	883	0.8%

Tornado Activity

1,104

TORNADO REPORTS

IL

MOST ACTIVE STATE

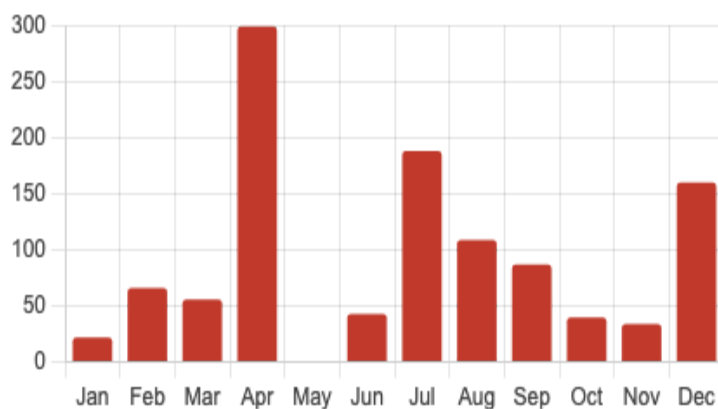
102 reports

Apr

PEAK MONTH

299 reports

MONTHLY DISTRIBUTION



TOP STATES

#	State	Reports
1	IL	102
2	IA	74
3	LA	72
4	MS	69
5	NE	68
6	TX	68
7	AL	65
8	FL	61
9	SC	54
10	OH	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

5,226

HAIL REPORTS

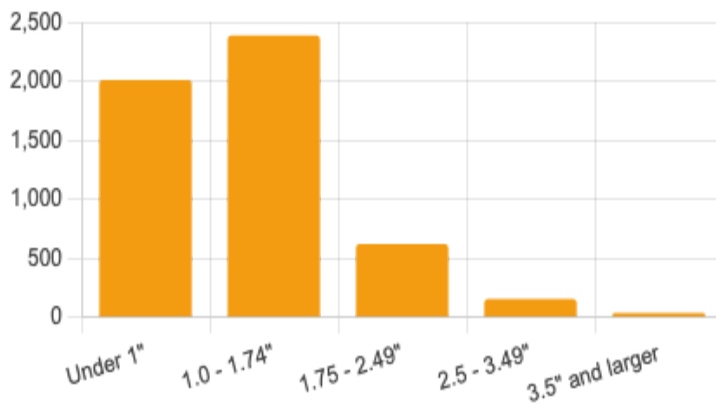
6.0"

LARGEST RECORDED

372

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

SIZE DISTRIBUTION



TOP STATES

#	State	Reports
1	TX	501
2	KS	412
3	IL	364
4	MO	319
5	NE	313
6	IA	280
7	OK	195
8	MN	191
9	CO	188
10	WI	164

Wind Events

34,186

WIND REPORTS
Damaging & measured gusts

156 mph

STRONGEST GUST REPORTED

994

REPORTS ≥ 75 MPH
Hurricane-force threshold

BY WIND TYPE

Type	Reports
Non-Tstm Wnd Gst	15,087
Tstm Wnd Dmg	10,107
Tstm Wnd Gst	5,606

TOP STATES

#	State	Reports
1	CA	2,284
2	MT	1,946
3	WY	1,895

Type	Reports
Non-Tstm Wnd Dmg	3,221
High Sust Winds	165

#	State	Reports
4	MI	1,598
5	ID	1,552
6	SD	1,302
7	KS	1,242
8	NY	1,219
9	UT	1,186
10	CO	1,183

Winter Weather

44,834

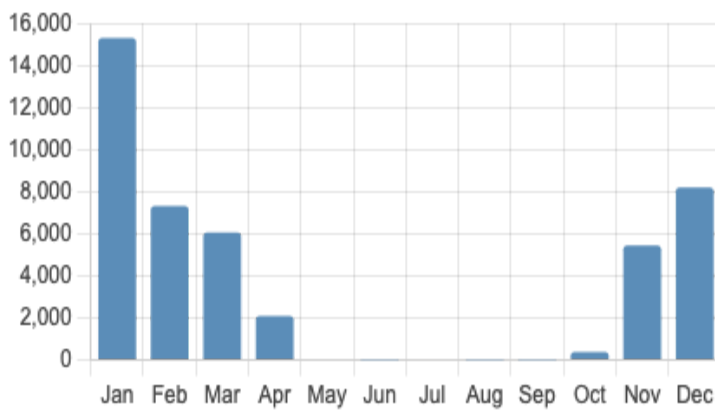
TOTAL WINTER WEATHER REPORTS

43,708

SNOW REPORTS

Including heavy snow events

MONTHLY DISTRIBUTION



BY EVENT TYPE

Event	Reports
Snow	43,706
Freezing Rain	883
Sleet	134
Blizzard	109
Heavy Snow	2

TOP STATES

#	State	Reports
1	CO	8,394
2	NY	2,930
3	MN	2,862
4	WY	2,531
5	PA	2,152
6	WI	2,037
7	MI	1,975
8	NM	1,751

Flood & Flash Flood Reports

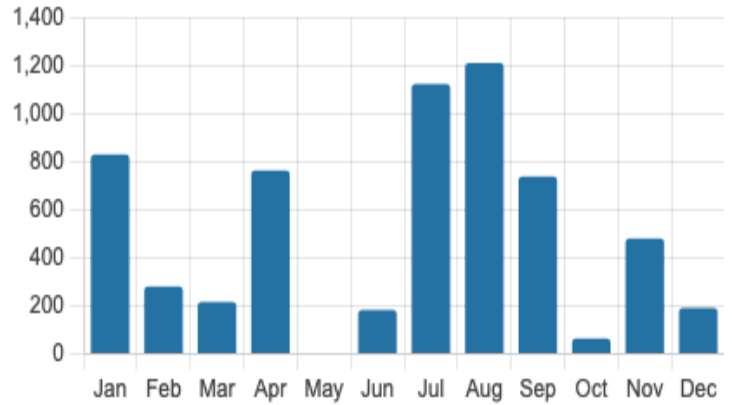
6,086

FLOOD REPORTS (ALL TYPES)

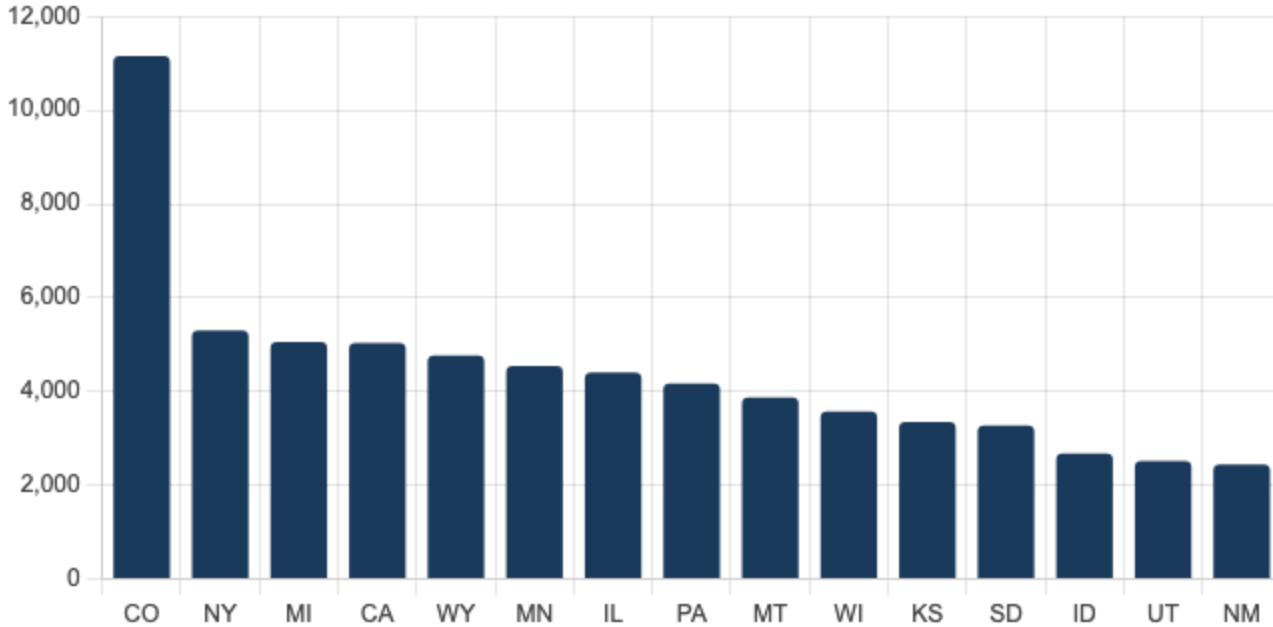
BY EVENT TYPE

Event	Reports
Flash Flood	3,489
Flood	2,126
Coastal Flood	471

MONTHLY DISTRIBUTION



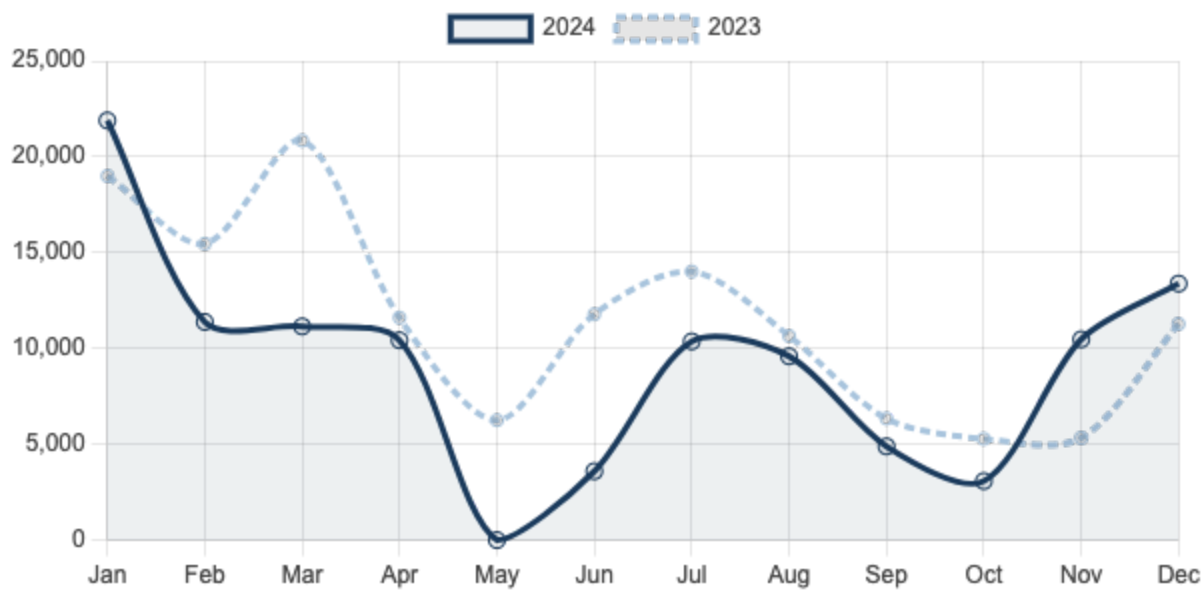
Geographic Distribution — Top States



#	State	Storm Reports	% of Total
1	CO	11,157	10.1%
2	NY	5,298	4.8%
3	MI	5,061	4.6%
4	CA	5,033	4.6%

#	State	Storm Reports	% of Total
5	WY	4,774	4.3%
6	MN	4,545	4.1%
7	IL	4,409	4.0%
8	PA	4,168	3.8%
9	MT	3,879	3.5%
10	WI	3,574	3.2%
11	KS	3,352	3.0%
12	SD	3,272	3.0%
13	ID	2,685	2.4%
14	UT	2,522	2.3%
15	NM	2,449	2.2%
16	OH	2,366	2.1%
17	TX	2,253	2.0%
18	NE	2,226	2.0%
19	FL	2,169	2.0%
20	IA	2,008	1.8%

Monthly Storm Report Activity



Month	2024 Reports	2023 Reports	Change
Jan	21,896	18,998	+15%
Feb	11,386	15,466	-26%

Month	2024 Reports	2023 Reports	Change
Mar	11,150	20,844	-47%
Apr	10,430	11,606	-10%
May	3	6,253	-100%
Jun	3,596	11,785	-69%
Jul	10,369	14,016	-26%
Aug	9,592	10,652	-10%
Sep	4,892	6,343	-23%
Oct	3,083	5,286	-42%
Nov	10,479	5,331	+97%
Dec	13,385	11,280	+19%

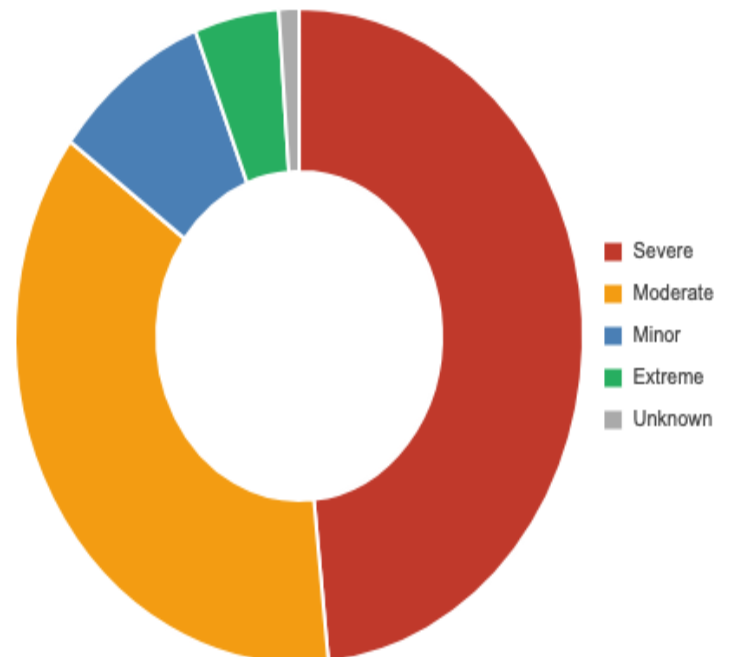
NWS Weather Alert Activity

335,736 NWS weather alerts were issued across the United States in 2024, including **8,503** Tornado Warnings and **50,393** Severe Thunderstorm Warnings.

TOP ALERT TYPES

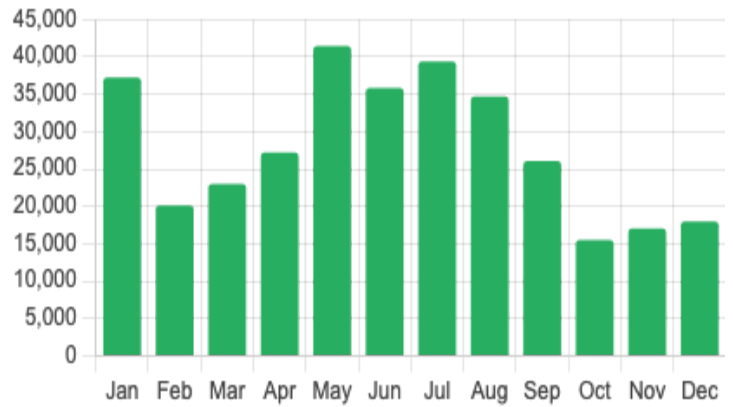
#	Alert	Count
1	Special Weather Statement	52,717
2	Severe Thunderstorm Warning	50,393
3	Flood Warning	43,687
4	Winter Weather Advisory	22,389
5	Flood Advisory	14,365
6	Wind Advisory	12,982
7	Winter Storm Warning	10,957
8	Heat Advisory	9,560
9	Flash Flood Warning	9,175
10	Tornado Warning	8,503
11	Coastal Flood Advisory	7,928
12	Dense Fog Advisory	7,626
13	Tropical Storm Warning	6,380

ALERTS BY SEVERITY



#	Alert	Count
14	Flood Watch	6,107
15	Red Flag Warning	5,805

MONTHLY ALERT ISSUANCE



About This Report

This report summarizes storm spotter reports and NWS weather alerts collected by iAlert for calendar year 2024. 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.

iAlert is a [Weather Alert Subscription Service](#) delivering real-time severe weather notifications by email and text message. Sign up at ialert.com/services.