



Severe Thunderstorm Threat

April 30, 2025
3:27 PM

This afternoon and evening.



Key Messages

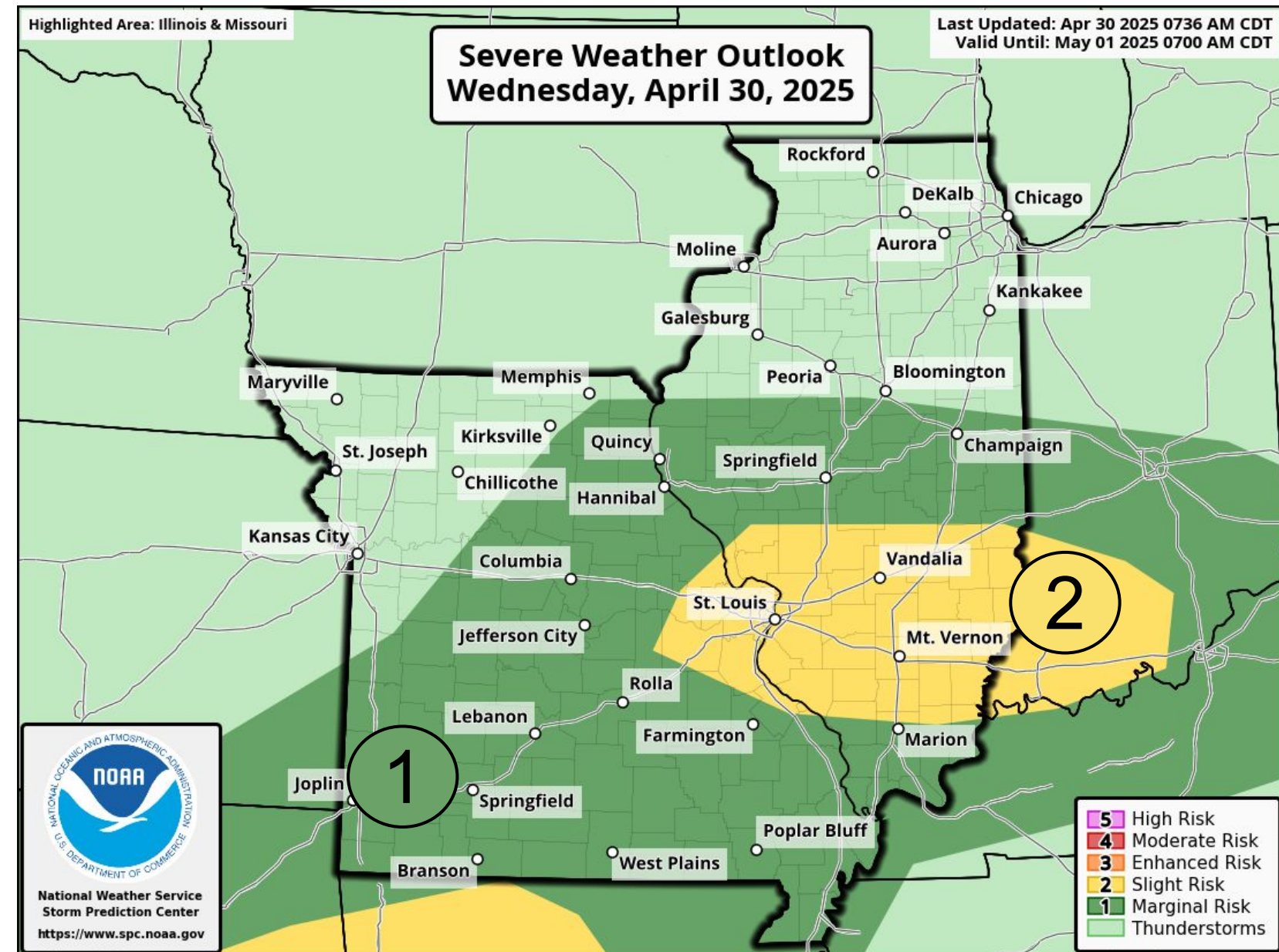
- A warm front will move from southern Missouri north to near the I-70 corridor bringing warm and unstable air with it.
- Thunderstorms are expected to redevelop this afternoon and continue into the evening.
- Damaging winds are the primary threat, although large hail and perhaps a few brief tornadoes are also possible.
- Localized heavy rainfall and flash flooding is possible with storms along the warm front.

What Has Changed

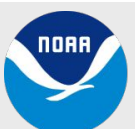
- Addition of heavy rainfall/flash flood threat.

Next Scheduled Update

- Last scheduled issuance.



[Click here for hourly weather information](#) (location information required)



National Oceanic and
Atmospheric Administration
U.S. Department of Commerce

National Weather Service
St. Louis, MO



What We Are Confident Will Happen?

- **Thunderstorm Potential:** Another round of thunderstorms is expected again this afternoon into the evening.
- **Timing:** The best chance for severe thunderstorms will be during the the **late afternoon** and **early evening** hours.

What is Still Uncertain?

- **Hazards / Locations:** There remains some uncertainty regarding both the available instability this afternoon, along with the location of the warm front. Weaker instability would lead to fewer, weaker storms. Meanwhile, storms will be possible over a broad area, but the most significant hazards (including a few brief tornadoes) are most likely to occur near the warm front.
- **Heavy Rainfall/Flash Flooding:** There is the potential for storms to form and move over the same location repeatedly (training). This is most likely to occur near the warm front, but where exactly storms train remains uncertain.

-Confidence-

Thunderstorm Potential

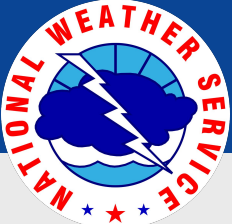


Timing



Hazards / Locations





Severe Threats Matrix

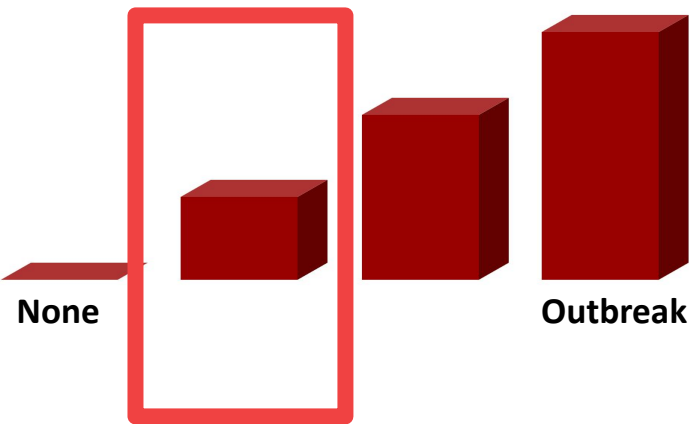
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THIS AFTERNOON AND TONIGHT'S THREATS

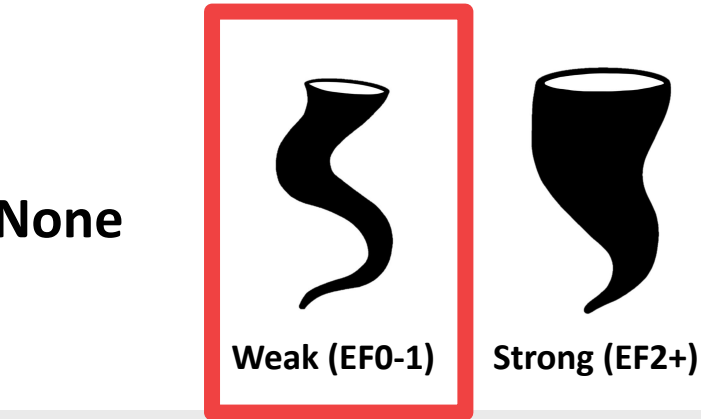


Tornado

Number of Tornadoes Expected

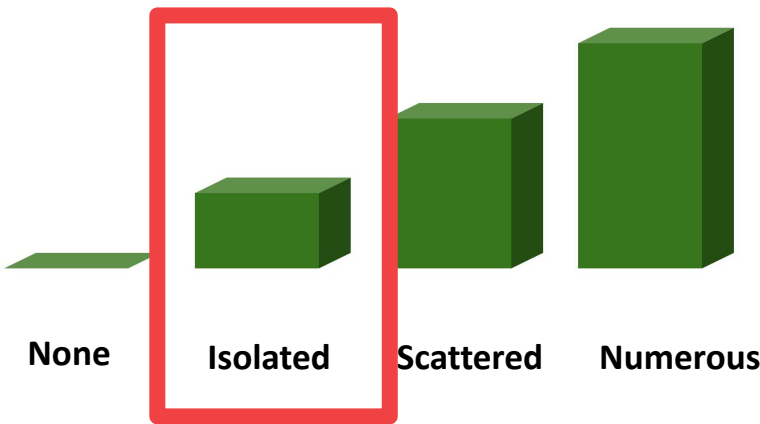


Maximum Expected Strength

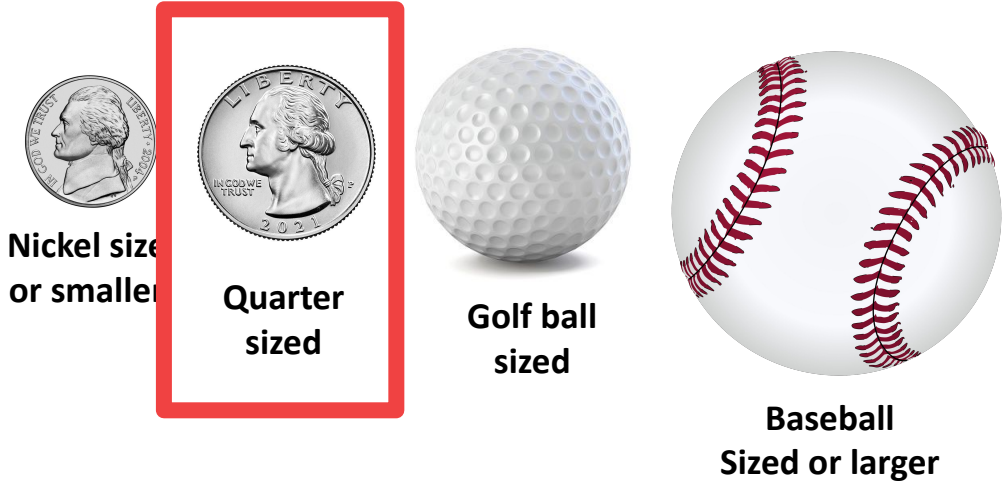


Hail

Coverage of Storms with Damaging Hail

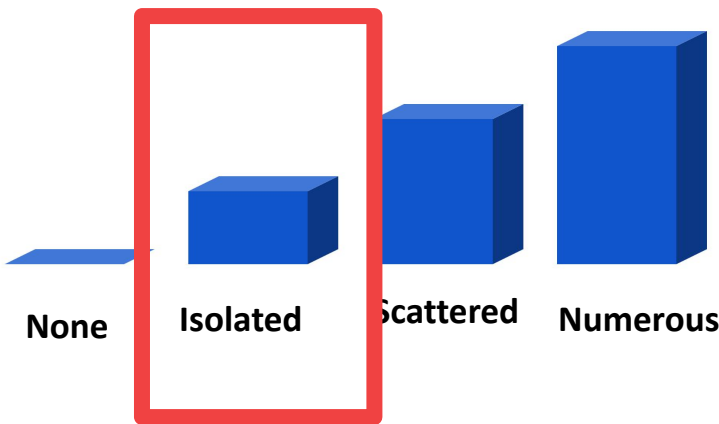


Maximum Expected Hail Size



Damaging Wind

Coverage of Storms with Damaging Wind



Maximum Expected Wind Gust (mph)

