



Severe Thunderstorm Threat

April 28, 2025
4:17 AM

Two Rounds of Severe Weather Tuesday



Key Messages

- Although severe storms are possible from very late Monday night through Tuesday evening, the primary threat windows are:
 - Tuesday AM: **3am-7am**
 - Tuesday PM: **3pm-10pm**
- **Large hail**, **damaging winds**, and a **few tornadoes** are possible. Tornadoes are less likely with storms Tuesday afternoon.

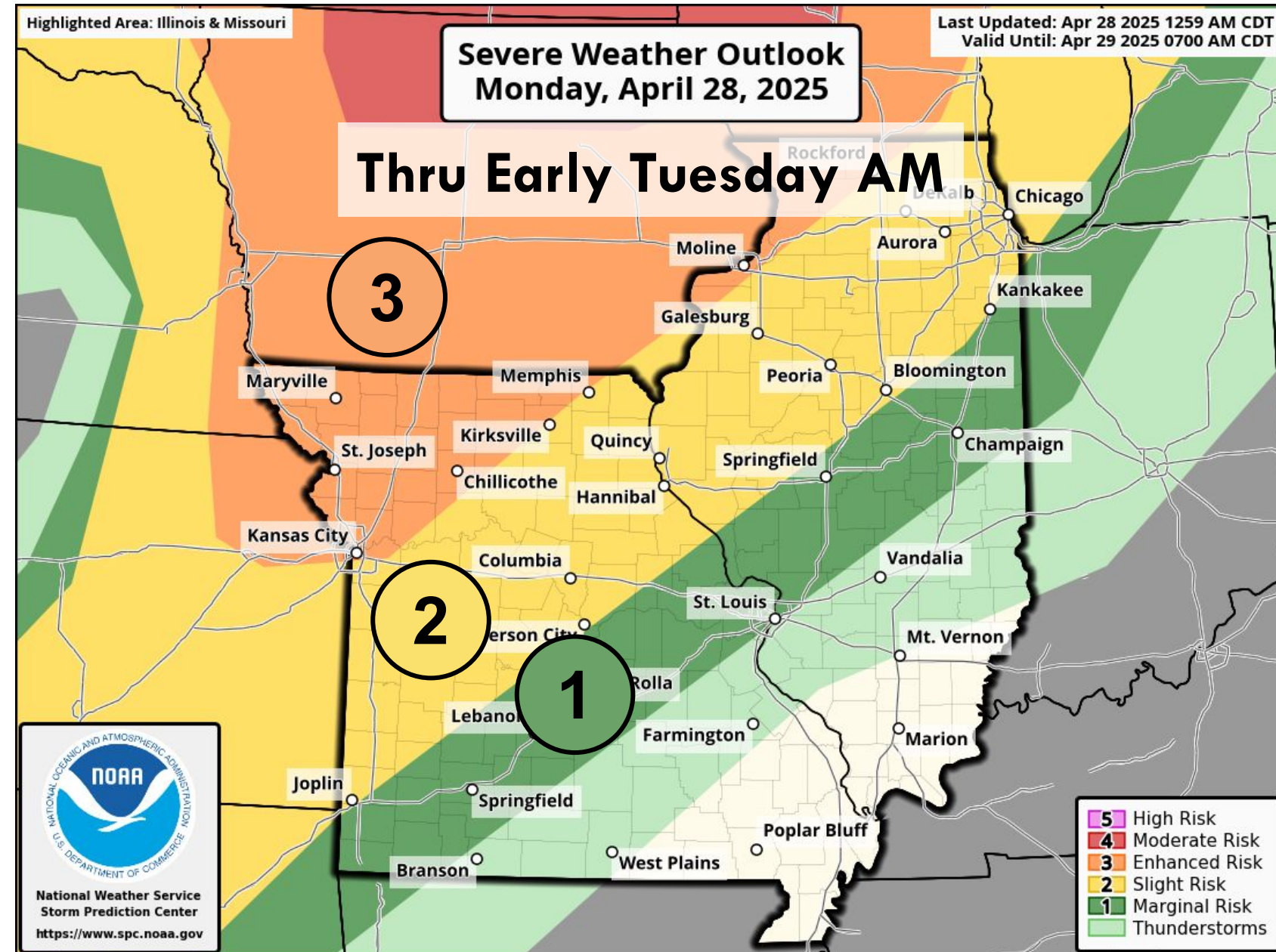


What Has Changed

- Confidence in severe storms Tuesday afternoon has decreased.

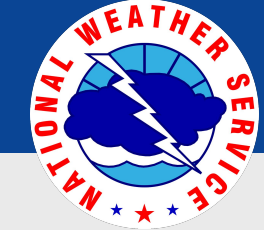
Next Scheduled Update

- 5pm on Monday 4/28



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





Severe Thunderstorm Threat

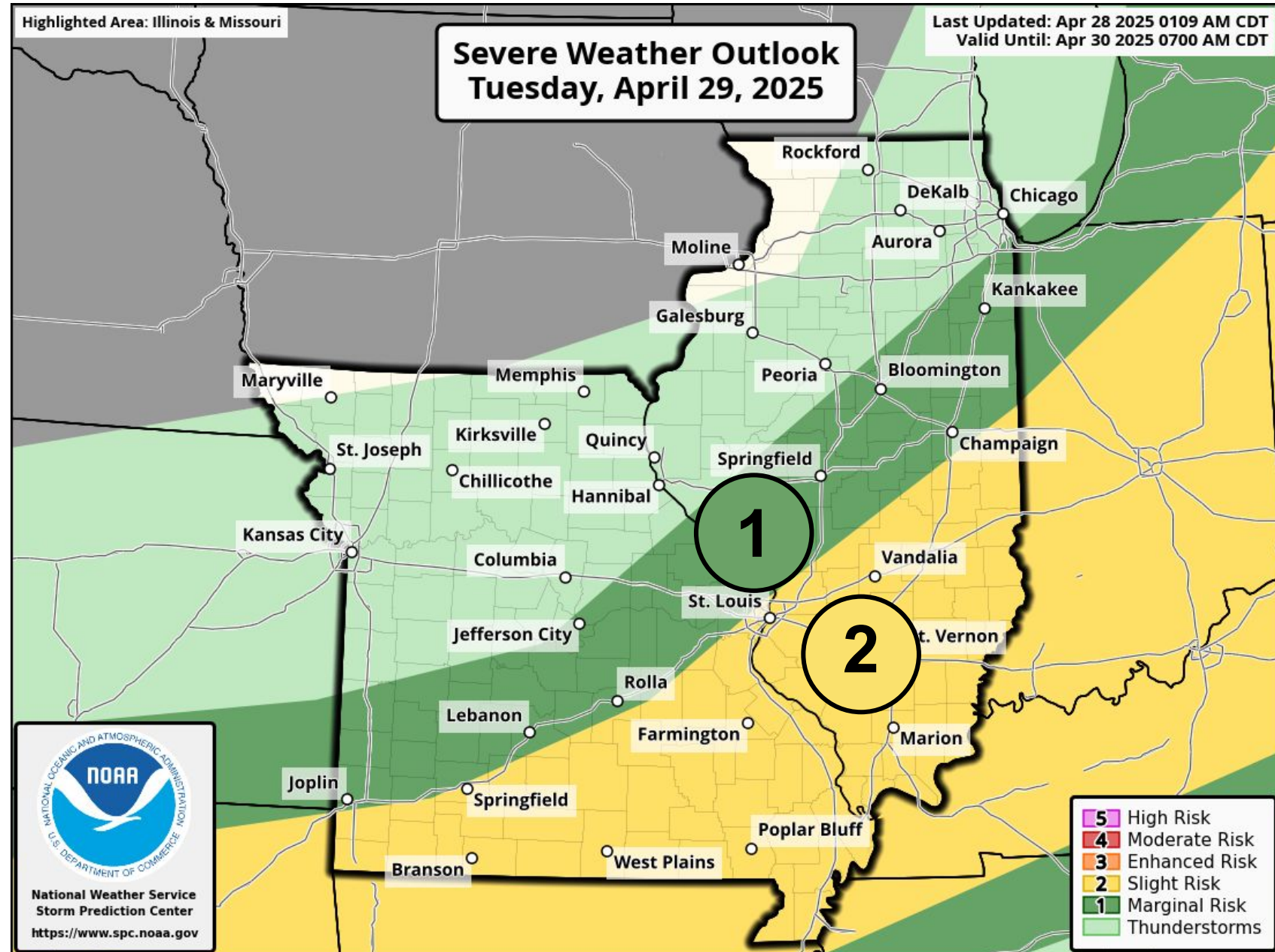
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Tuesday Afternoon Threat



Key Messages

- Thunderstorms are expected to grow more numerous during the late morning across the region. These storms are likely to be sub-severe.
- The location of a cold front is the primary source of uncertainty as the better environment for severe storms will be south of this front.
- **Large hail** and **damaging winds** are the primary threats with these storms.
- Locally heavy rainfall is also possible, especially where storms track over the same locations repeatedly. There is a low threat for **flash flooding**.



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





What We Are Confident Will Happen?

- **Severe Weather Timing:** While some strong thunderstorms are expected through most of the day Tuesday, the primary threat windows are very early Tuesday morning and again Tuesday afternoon.

What is Still Uncertain?

- **Severe Potential - early Tuesday AM:** The environment will be very favorable for severe thunderstorms late Monday night into early Tuesday morning if thunderstorms form. Supercell thunderstorms with all severe weather hazards are possible. However, confidence is lower on whether these storms will form at a time of day where this typically does not occur.
- **Severe Potential - Tuesday PM:** Thunderstorms earlier in the day will affect the position of the cold front and where the threat Tuesday afternoon may develop. The environment is also less favorable, with clusters of storms favored rather than supercells.

-Confidence-

Severe Weather Timing

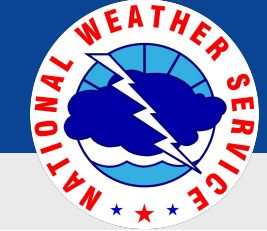


Severe Potential - early Tuesday AM



Severe Potential - Tuesday PM





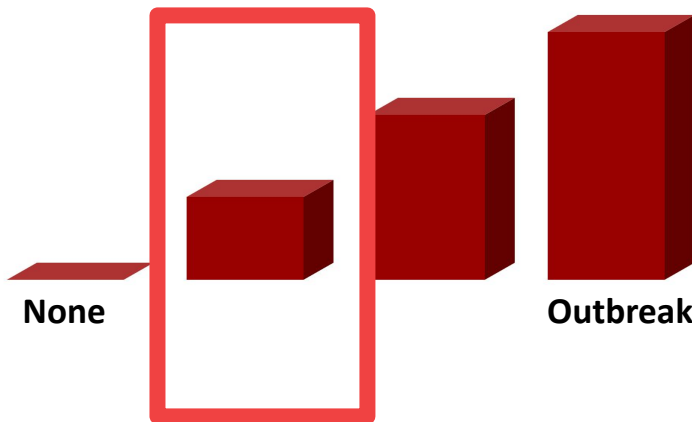
Severe Threats Matrix

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Late Monday Night - Early Tuesday Morning

Tornado

Number of Tornadoes Expected

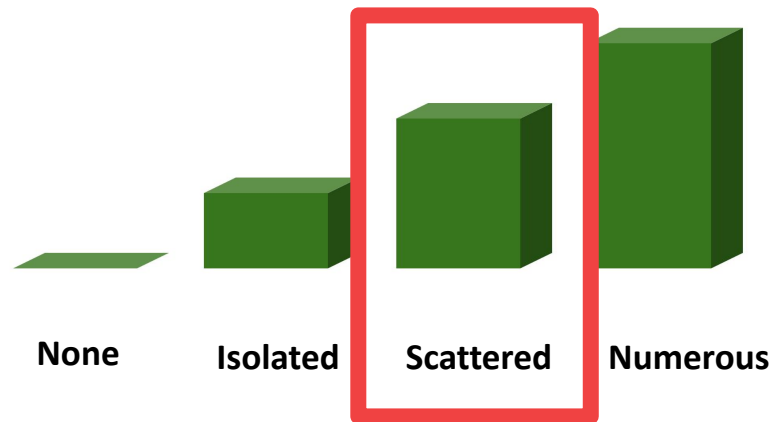


Maximum Expected Strength

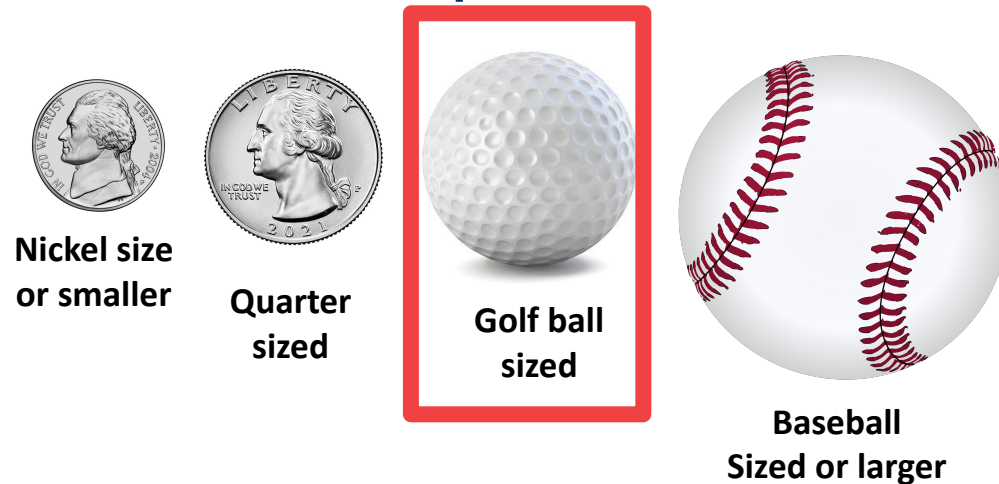


Hail

Coverage of Storms with Damaging Hail

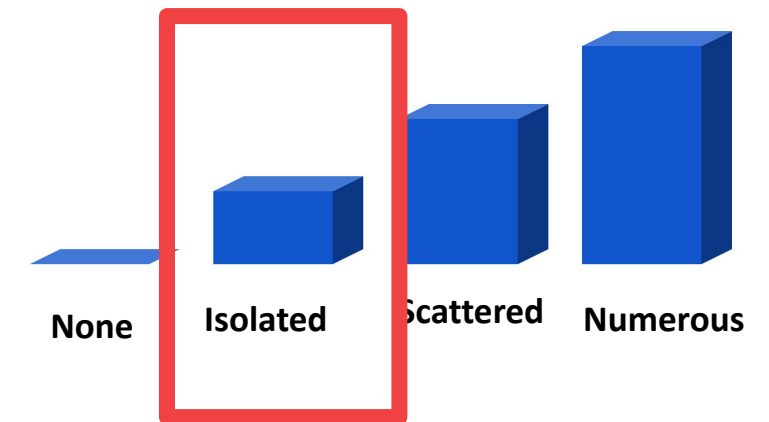


Maximum Expected Hail Size



Damaging Wind

Coverage of Storms with Damaging Wind



Maximum Expected Wind Gust (mph)

