

Wind Advisory Today

What

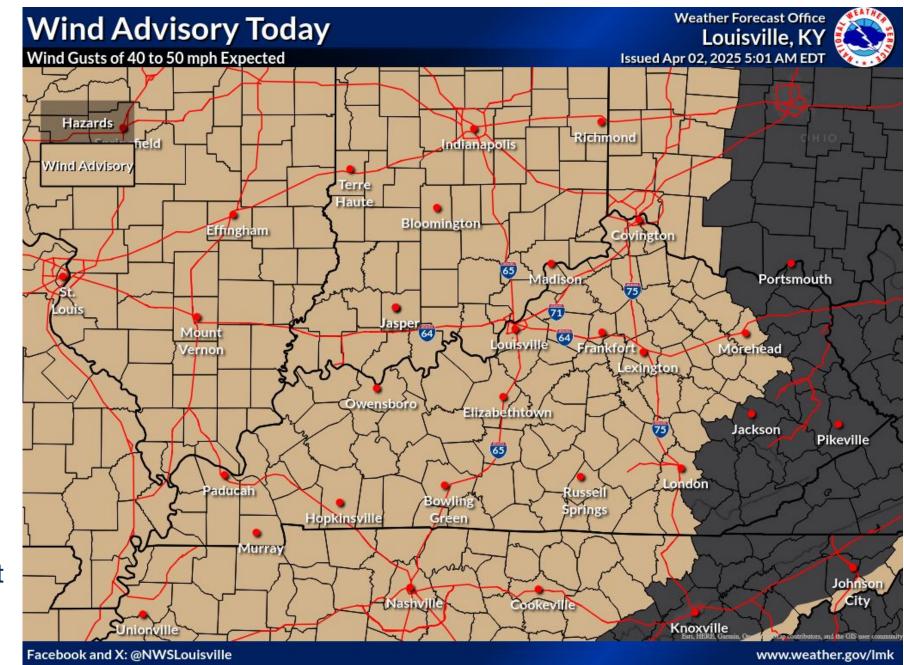
• South winds 20 to 30 mph with gusts of 45 to 50 mph expected.

When

• From 8 AM EDT Wednesday to 1 AM EDT Thursday

Impacts

- Gusty winds will blow around unsecured objects.
- Tree limbs could be blown down and power outages may result.
- Winds this strong can make driving difficult, especially for high profile vehicles on east-west roads including Interstate 64.





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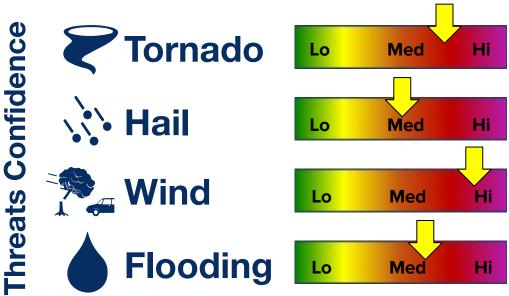
Severe Threat Round 1: Tonight

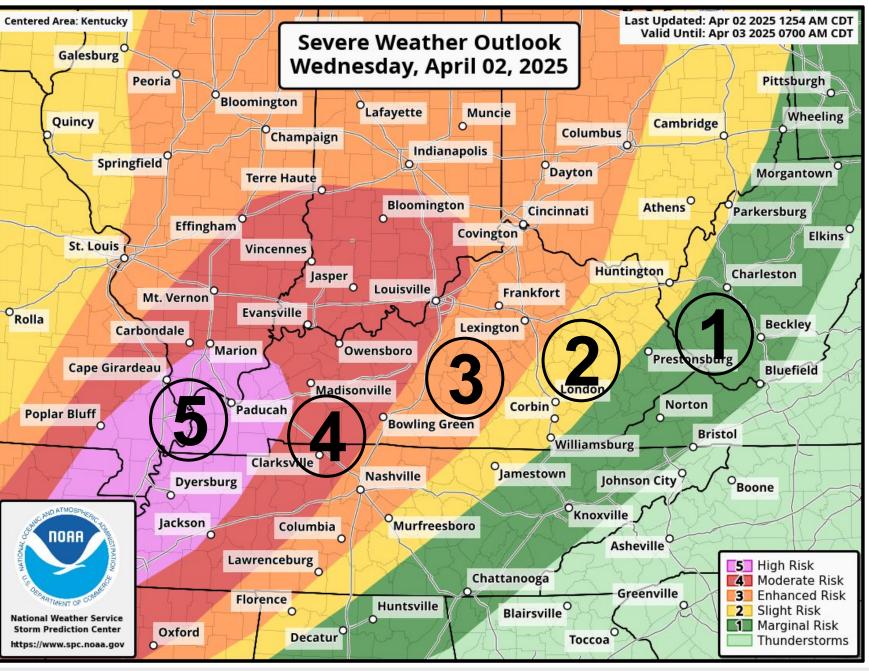
Greatest Threat Across Western Kentucky and Southern Indiana

Key Messages

- → Severe thunderstorms develop west of the Mississippi River during the afternoon and push into Kentucky and Indiana in the evening as a line of storms
- \rightarrow All severe hazards are in play:
 - Damaging winds
 - Tornadoes
 - Hail

NOAR





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Tonight's Severe Threat Timing

Much Lower Confidence Than The Sunday Night Event

Key Messages

- → Storms will push east across
 western Kentucky and southwest
 Indiana during the evening hours
- → Eastward movement will *slow* considerably east of Interstate 65
- → Confidence in timing and severity of storms is much lower east of Interstate 65
- → Severe weather may last for 1-2 hours, though heavy rain will last longer

Confidence in Timing



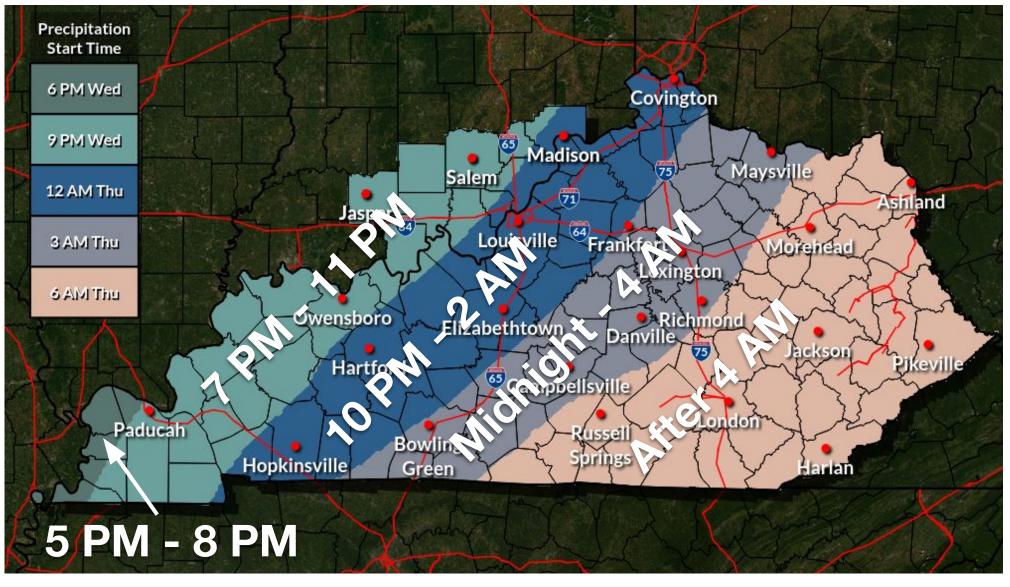
Medium





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All Times in EDT



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Understanding SPC Outlook Categories

Severe Weather Risks Defined

What Do These Risks Mean?

4 - Moderate

Widespread severe storms likely

Long-lived, widespread and intense storms

Several severe storms are likely to be significant

Examples:

- Strong Tornadoes
- Several reports of Significant Wind Damage
- Destructive Hail 2+"

<u>5 - High</u>

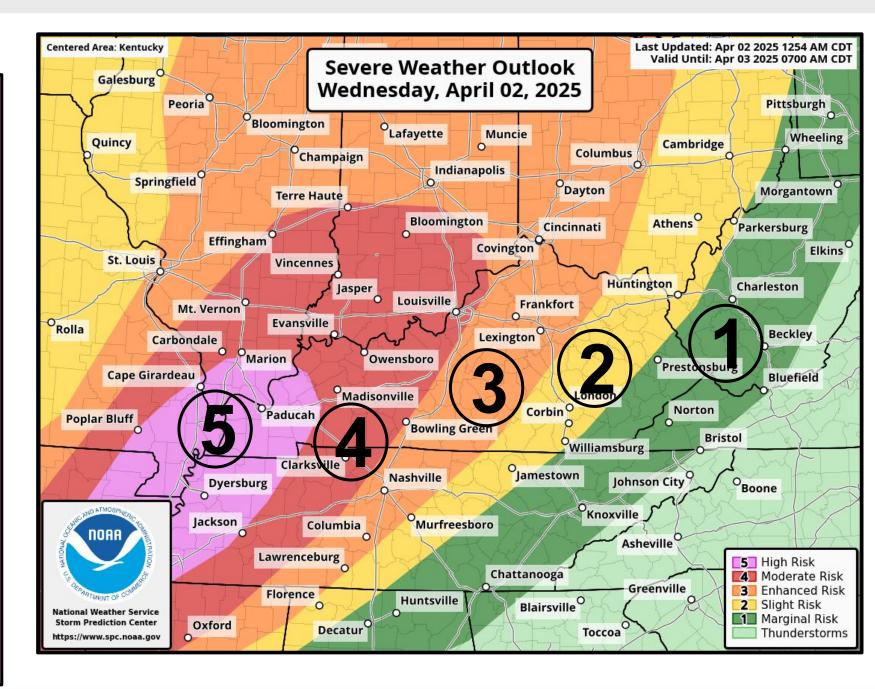
Widespread severe storms expected

Outbreak of intense and long-lived storms

Numerous severe storms could be significant

Examples:

- Strong Tornadoes, some **EF2+**
- Widespread reports of Significant Wind Damage
- Destructive Hail 2+"





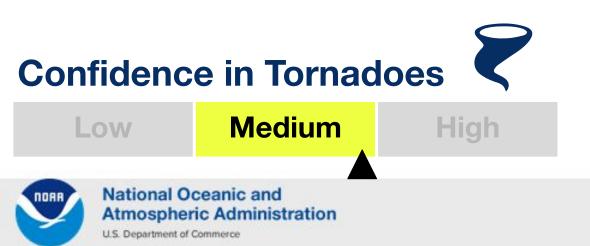
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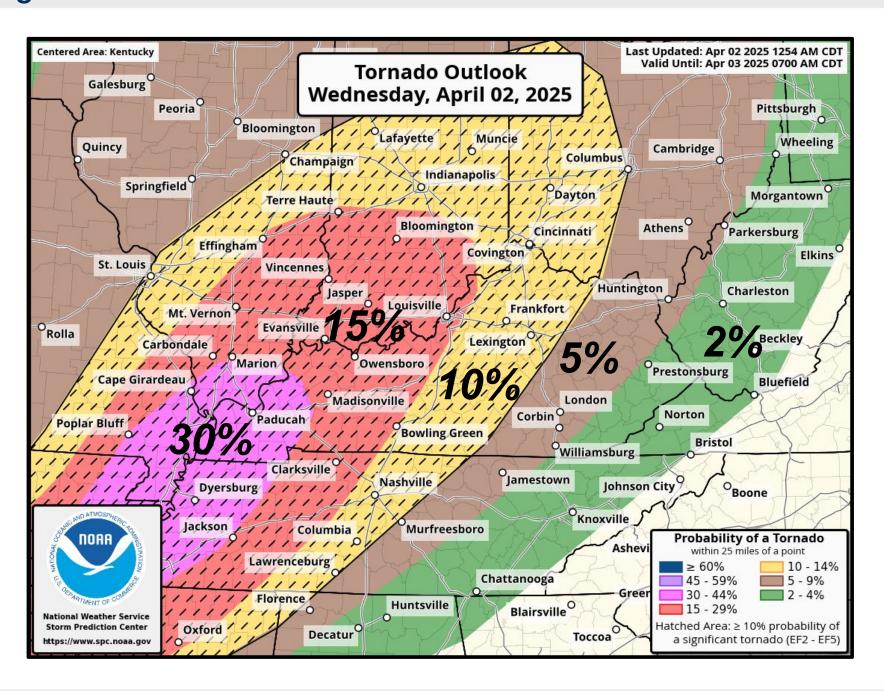


Key Messages

- → Tornadoes are expected
- Strong, potentially long-track, tornadoes will be possible

<u>Hatched Area:</u> ≥10% chance of a significant tornado (EF-2 or stronger)



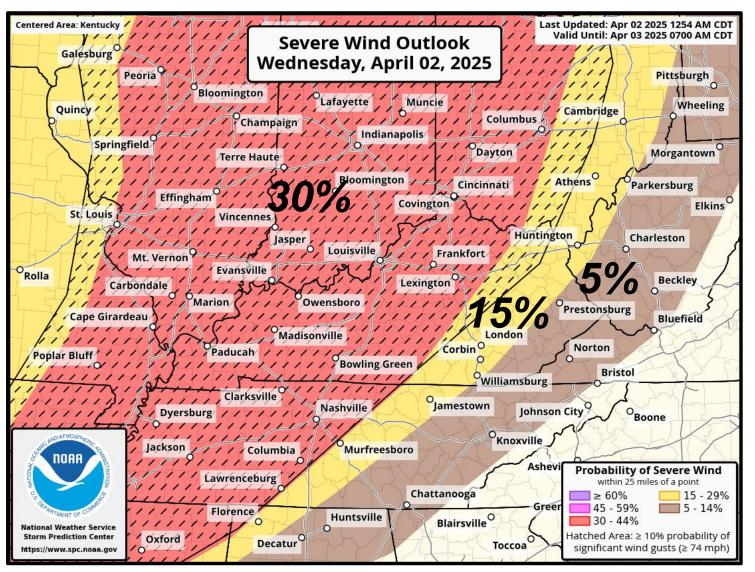


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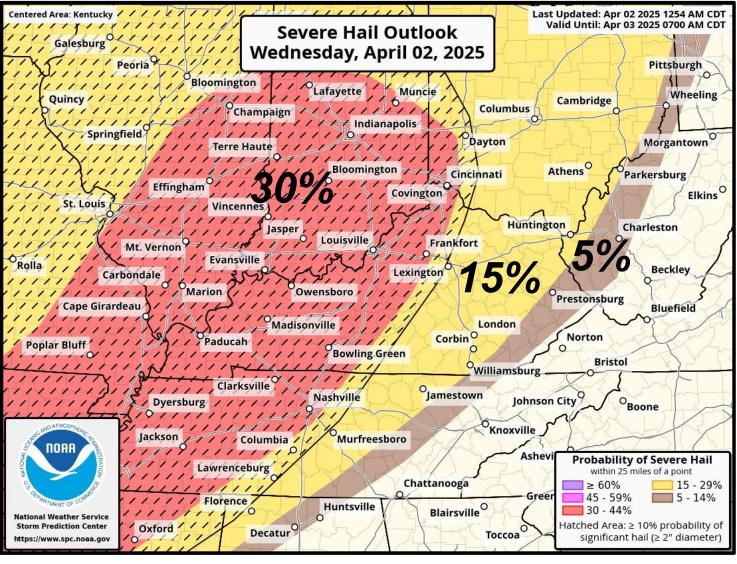
Severe Wind and Hail Probabilities

This Evening into Tomorrow Morning

Probability of Severe Straight-Line Winds (58+ mph)



Probability of Severe Hail (1" Diameter)



Hatched Area: ≥10% chance of 75+ mph wind



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Hatched Area: ≥10% chance of 2+" diameter hail

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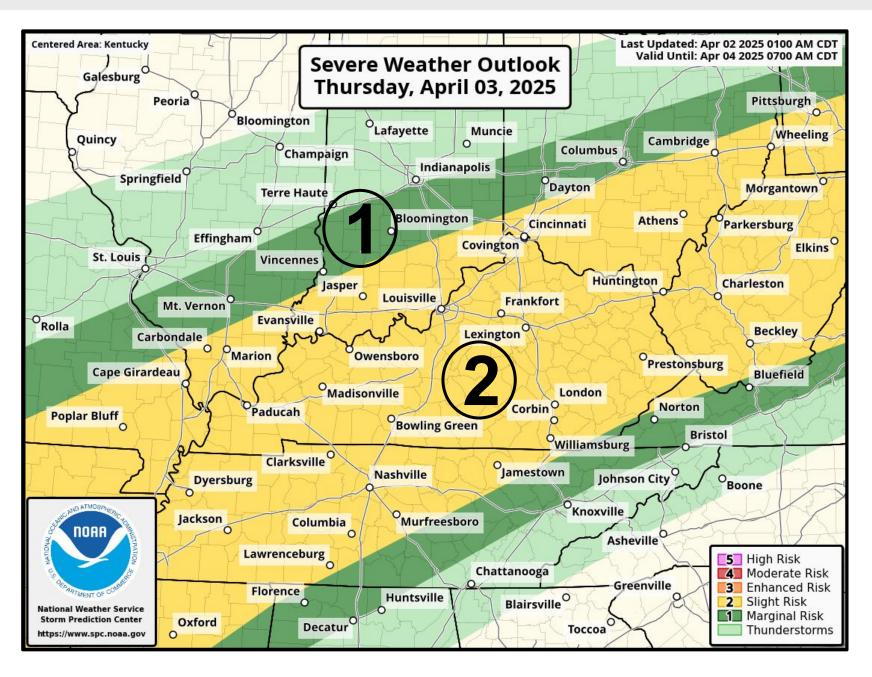


Severe Storms Round 2: Thursday

Key Messages

- Additional waves of showers and storms will ride along a stalled cold front
- → The evolution of tonight's storms will determine where the greatest threat for severe weather on Thursday will be
- → All hazards are in play; however, the long-track tornado and destructive wind threat will be much lower





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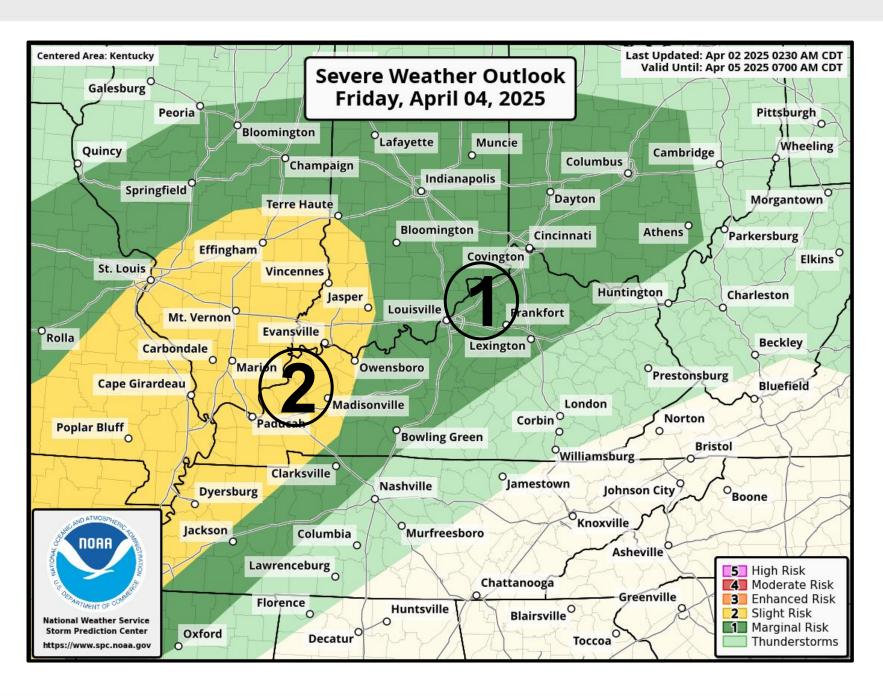


Severe Storms Round 3: Friday

Key Messages

- Additional waves of showers and storms will ride along a stalled cold front
- → Depending on how storms evolve Thursday night, conditions may be favorable for additional severe storms Friday
- → Confidence is increasing, although there is still much uncertainty for storms on Friday





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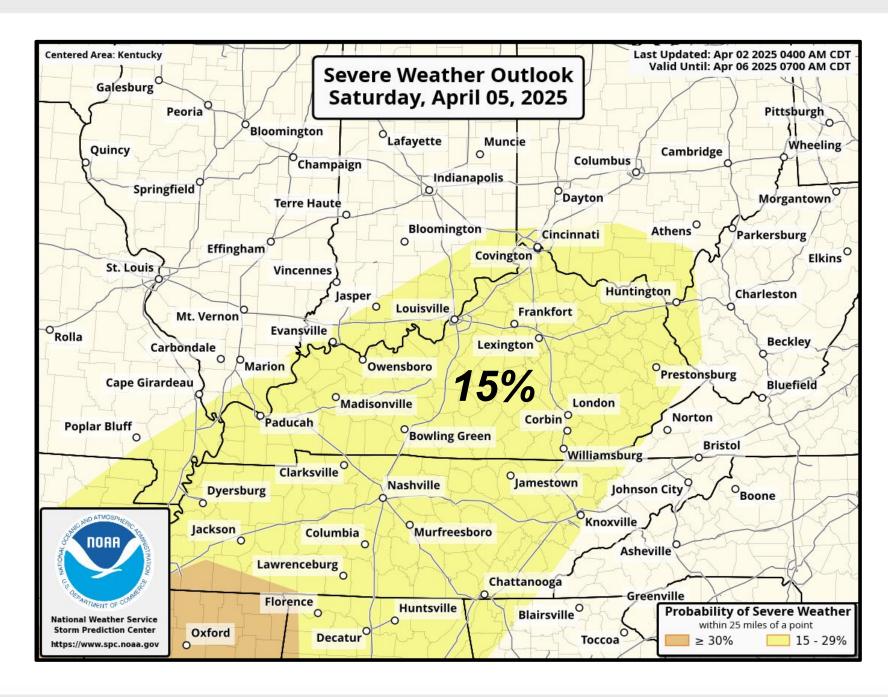


Severe Storms Round 4: Saturday

Key Messages

- → Additional waves of showers and storms riding along a stalled cold front.
- → Storm chances late week are dependent on storm intensity the days prior, so confidence is lower.





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Key Messages

- Multiple rounds of heavy rainfall are \rightarrow expected this evening through the weekend
- Flooding will become more widespread later \rightarrow in the week as additional storms move through
- \rightarrow The area of heaviest rainfall may shift slightly over the next few days

Impacts

- Flash flooding due to heavy rainfall rates in thunderstorms
- Widespread river flooding \rightarrow
- Potentially life-threatening flooding \rightarrow

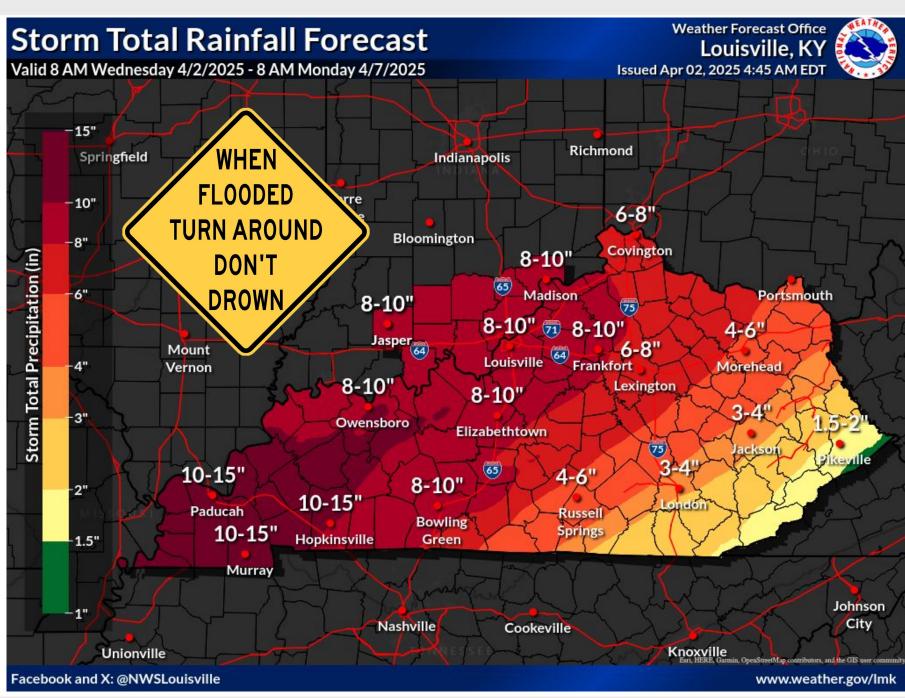
Confidence in Flooding



Medium

High



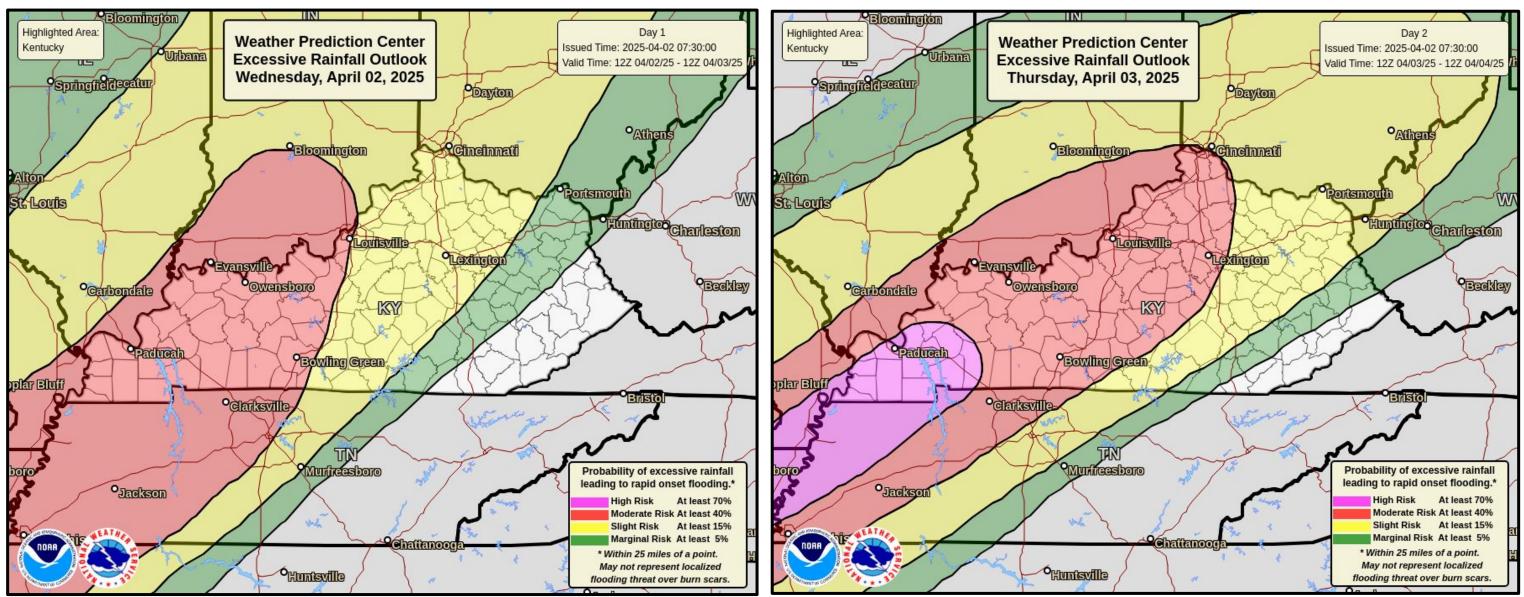


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Excessive Rainfall Outlooks for Today and Thursday

Today's Excessive Rainfall Outlook

Thursday Excessive Rainfall Outlook





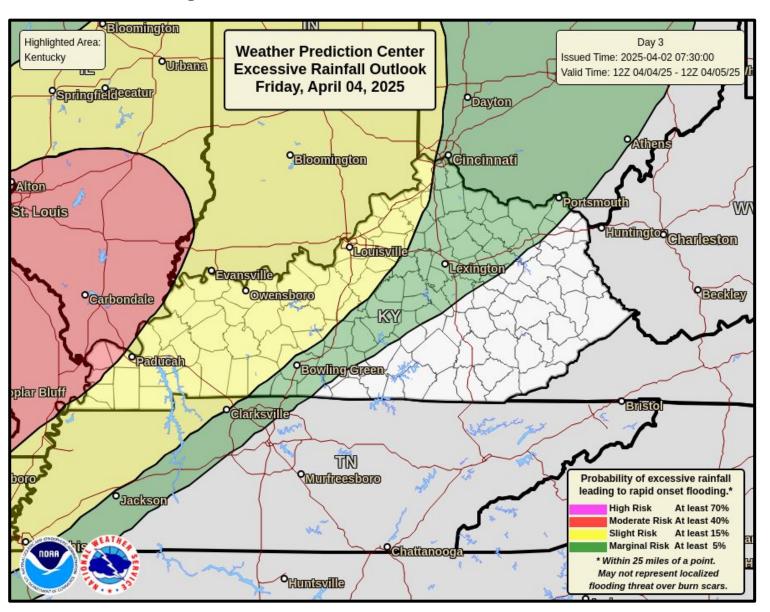
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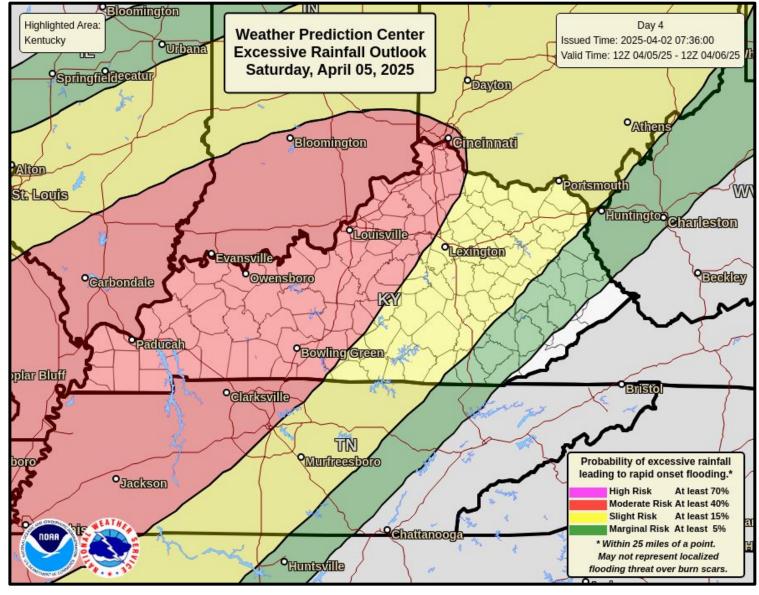
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Excessive Rainfall Outlooks for Friday and Saturday

Friday Excessive Rainfall Outlook

Saturday Excessive Rainfall Outlook







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Understanding WPC Outlook Categories

Excessive Rainfall Outlooks Defined

SLIGHT (SLGT)

Scattered flash floods possible

Mainly localized. Most vulnerable are urban areas, roads, small streams and washes. **Isolated significant** flash floods possible.

(MDT) Numerous flash floods likely

MODERATE

Numerous flash flooding events with significant events possible. Many streams may flood, potentially affecting larger rivers.

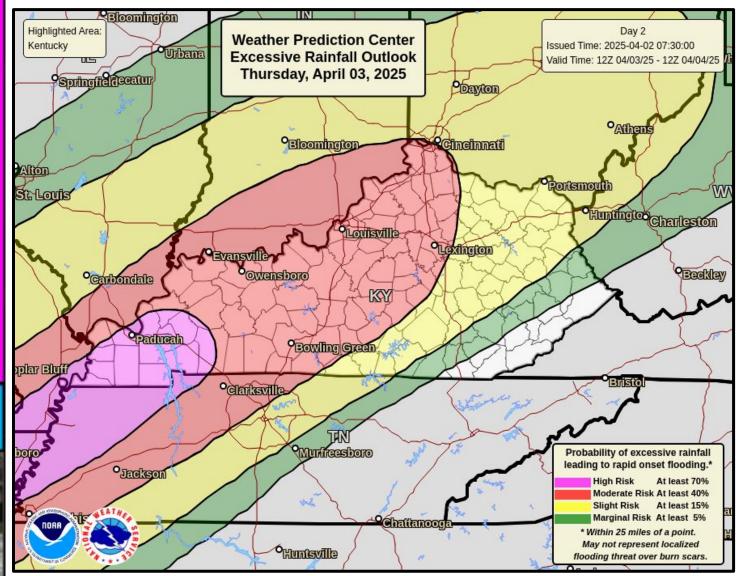


Widespread flash floods expected

Severe, widespread flash flooding. Areas that don't normally experience flash flooding, could. Lives and property in greater danger.





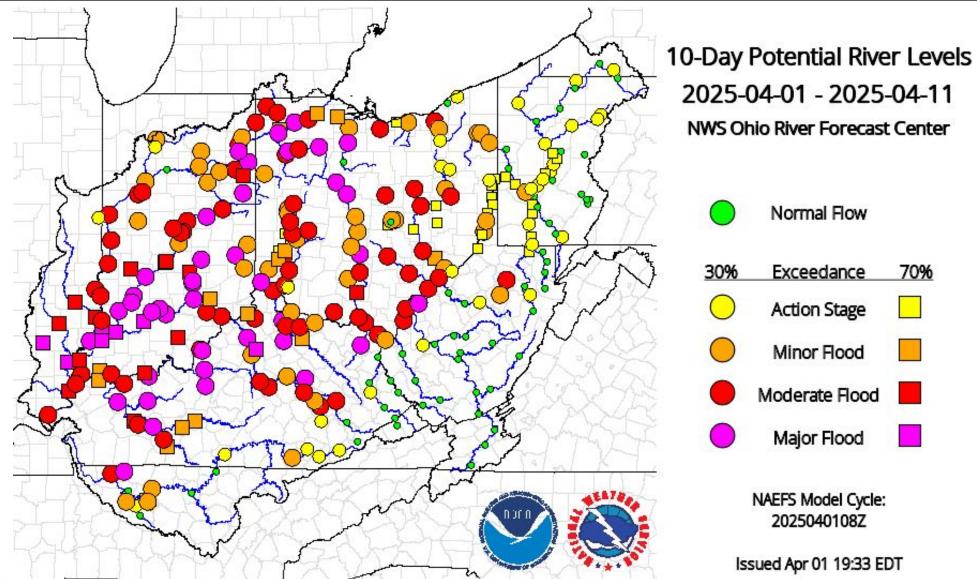




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This is an increasingly significant setup with potential for high impacts and life-threatening flooding spanning the course of several days. Be sure to prepare if you live in a flood zone!





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Most flood fatalities occur in vehicles

12 inches of water can sweep a car off the road

WATERS



Be Prepared for Nighttime Tornadoes

NOAA Weather Radio

Test regularly and make sure it's tuned to your local station

Flashlight & Shoes

Keep flashlight and sturdy shoes handy

Safe Place

Have a safe place prepared if you know storms are coming



Cell phone

Turned on, charged and Wireless Emergency Alerts enabled

