

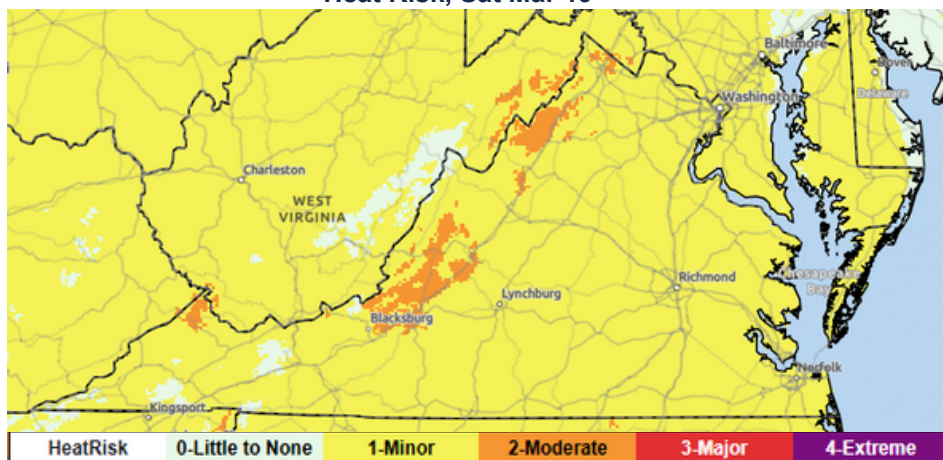
April 18, 2025

Key Takeaways

- 88 measles cases were reported nationally last week. Canada reported 109 new cases.
- Respiratory illness is minimal and trending lower in Virginia and nationally. GI illness remains elevated.
- Heat risk season is beginning in Virginia.
- The CDC was unable to fulfil a request for support from Milwaukee due to staff reductions. Reductions are impacting measles outbreak response as well.
- Two mass school shootings occurred nationally this week, resulting in two deaths and ten hospitalizations.

Key Figures

Heat Risk, Sat Mar 19



Heat risk is minor throughout Virginia over the weekend, with a few spots of moderate risk on Saturday. NWS' HeatRisk metric includes risks from unseasonal warmth, heat duration, and nighttime temperatures. Image source: [NWS](#).

Planned Events, Apr 19, 2025



Free speech events are planned nationwide for Saturday, Apr 19 including at least 12 in [Virginia](#). Image source: [50501](#).

HPAI H5N1

1,021

HPAI H5N1 detections in US cattle herds as of Apr 18.

70

Confirmed HPAI H5N1 human cases in the US as of Apr 18.

Measles

800

Measles cases reported in the US in 2025, across 25 states as of Apr 17.

880

Measles cases reported in Canada in 2025 as of April 5.

Respiratory Illness

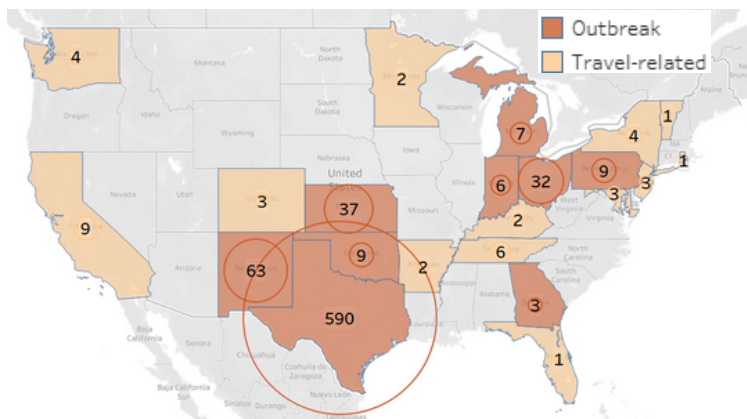
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Virginia regions with moderate or higher respiratory activity levels for the week ending Apr 12.

Ongoing Monitored Situations

Measles

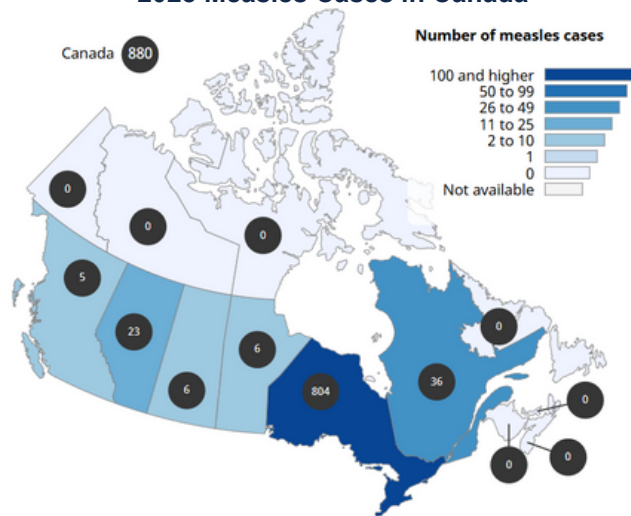
US Measles Cases 2025



Data source: [CDC](#).

- **CDC deployed 22 people to support the Texas response.** Facing federal budget cuts, Texas officials are redirecting staff from other departments and regions to manage the outbreak. At the CDC, which has also faced staff reductions, officials note they are 'scraping' to find staff and resources to support the state.
- **Pennsylvania and Michigan reported outbreaks.** CDC reports ten outbreaks in the US, accounting for 94% of cases. 16 outbreaks were reported in 2024.

2025 Measles Cases in Canada



Canada reports 880 measles cases in 2025. Ontario reported 925 cases in its outbreak which began in October, including 109 in the week ending Apr 16. Image source: [GOC](#).

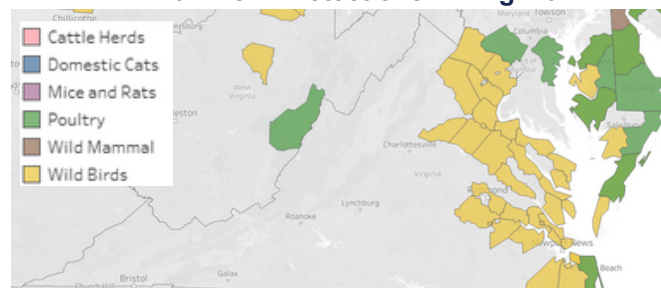
Seasonal Illness

- **Respiratory illness activity is minimal and trending downward in Virginia**, and is low or minimal in all Virginia regions. Models suggest continued declines for COVID-19 and flu nationally and in Virginia.
- **GI illness accounts for 11.04% of emergency visits in Virginia**, above threshold. GI illness activity is also at or above threshold in all Virginia regions except Eastern region, where it is below threshold levels.

Avian Influenza

- **China reported three H9N2 infections, each in separate provinces**, bringing the total to five cases in 2025.

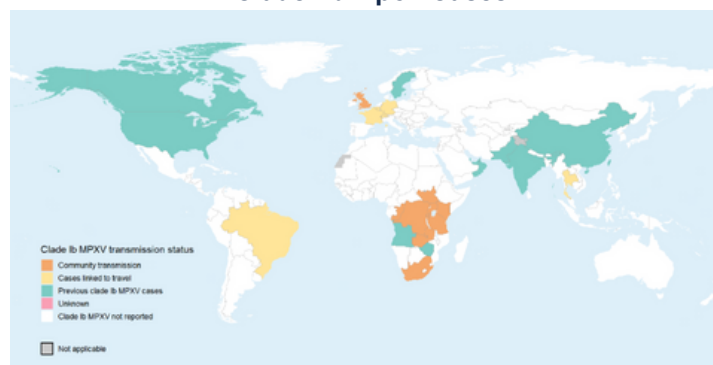
Avian H5N1 Detections in Virginia



Avian H5N1 continues to be detected in wild birds in Virginia. Although detections have occurred in Eastern and Northern Virginia, the disease is thought to be widespread in wild birds, particularly during migratory bird season. Data source: [USDA APHIS](#) & [VA DWR](#).

Mpox

Clade 1b Mpox Cases

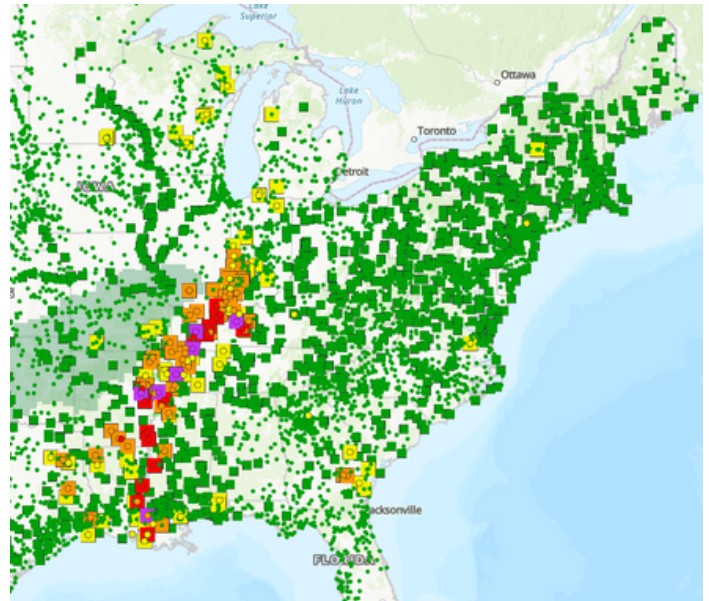


Travel-related Clade 1b Mpox cases have been reported sporadically around the globe. The UK is the only country with reported community transmission outside of Africa. Image source: [WHO](#).

Other News

- Chinese officials acknowledged involvement in the widespread Volt Typhoon cyberattacks targeting US critical infrastructure. Officials interpreted the admission as a warning over US support for Taiwan. Separately, Chinese officials accused the US of cyberattacks on the Asian Winter Games, hosted in China, raising concerns of tit-for-tat escalation.
- The Pennsylvania governor's residence was partially burned in a targeted incident. The lone suspect was arrested. Separately, a Wisconsin teen who killed his parents also plotted to assassinate the US president. The teen was working to acquire a drone and explosives and may have been working with an outside party.
- The CDC was unable to support Milwaukee's request for assistance managing significant lead hazards at city schools. The CDC's lead team was eliminated in recent staff reductions. Cuts have also hampered Texas' measles response.

Mississippi River Basin Flooding

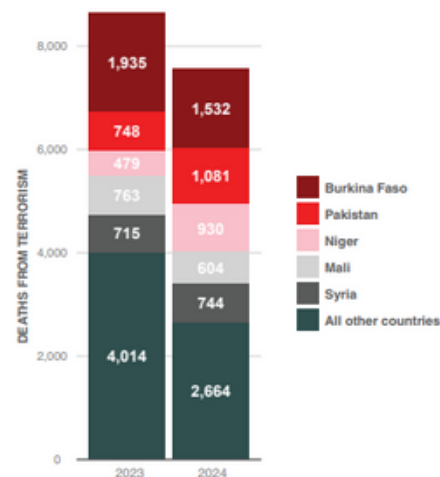


Major flooding is expected to continue in parts of the Mississippi river basin into next week. Four days of heavy rain in early April spawned the flooding. Floodwaters are moving from the upper and middle sections into the lower basin.

Image source: NWS

Total terrorism deaths by country, 2023–2024

Total terrorism deaths decreased by 13 per cent from 2023 to 2024.



10 countries accounted for 86% of terrorism deaths in 2024. The US experienced one death from three attacks in 2024, compared to 16 deaths from eight attacks in 2023. US officials disrupted at least four plots. Image source: Global Terrorism Index.

- Long-term operational and cultural issues underlay Richmond's water crisis according to an examination commissioned by VDH. In particular, maintenance, redundancy and preparedness needed for reliable water delivery were overlooked. The State Health Commissioner noted the event was 'completely avoidable' and that the city has begun to address issues.
- A shooting Thursday at Florida State University left two dead and six hospitalized, including the shooter. Earlier this week, four students were hospitalized due to a shooting at a Dallas high school.
- Oropouche virus is more widespread in Latin America than thought according to a recent serological study. The authors note that climate variables explain most of the distribution pattern, and climate change may drive further spread.