

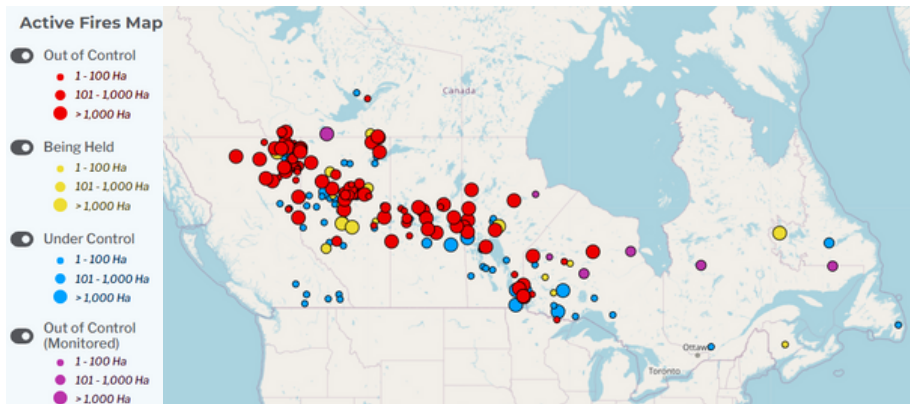
June 06, 2025

Key Takeaways

- 80 measles cases were reported nationally last week. Canada reported 244 new cases last week, and Mexico reported 269.
- A measles case linked to a previous case was reported in Virginia, with exposure events in Charlottesville.
- Mpox continues to surge in Sierra Leone.
- Canada is experiencing a large number of wildfires, overwhelming local resources in some provinces and affecting air quality in parts of the US.
- Air quality varies widely among Virginia cities according to a new report from the American Lung Association.

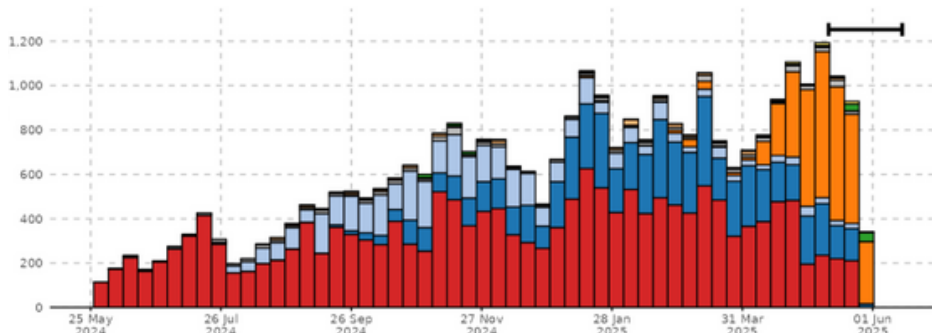
Key Figures

Active Fires in Canada, Fri Jun 6



Currently, 212 wildfires are burning in Canada. More than half are still out of control. Canada is at Level 5 National Preparedness Level, its highest wildfire threat level. Image Source: CIFFC

Confirmed Mpox Cases in Africa, Jun 1



The mpox outbreak appears to have shifted to West Africa, with Liberia reporting an increase in cases alongside Sierra Leone's surge. However, conflict may be obscuring the situation in DRC. Image source: WHO

HPAI H5N1

19

HPAI H5N1 detections in the last 30 days in US cattle herds as of Jun 6.

Measles

1,168

Measles cases reported in 2025 across 34 US states as of June 5.

Key Dates

June 4-9

Annual Hajj Pilgrimage

June 8

WorldPride DC International Rally and March.

June 14

Army 250th Birthday Celebration.

'No Kings Day,' Protests.

June 17

Virginia Primary Elections

Spotlight:
 Atmosphere
 Outlook

Ongoing Monitored Situations

Seasonal Illness

- **GI illness** remains at or below threshold statewide. **Respiratory illness** is minimal and stable statewide. However, **test positivity** for rhinovirus/enterovirus, parainfluenza and human metapneumovirus is elevated nationally.
- A **COVID variant under monitoring, NB.1.8.1**, was **detected** by airport screening in the US, including in travelers arriving in Virginia. According to WHO, reporting of NB.1.8.1 is increasing, reaching 10.7% of global sequences reported as of mid-May. The variant currently poses **low risk** for severe illness.

- **COVID-19 activity** is increasing globally, primarily in the Eastern Mediterranean, South-East Asia, and Western Pacific regions. **Recent increases** in SARS-CoV-2 activity appear to be consistent with levels observed during the same period last year.
- The **GII.17 norovirus strain** has become dominant, causing uncertainty about **seasonality**. In the US, the GII.17 strain was associated with an earlier and prolonged season, beginning in Oct and extending into spring. However it is unclear if GII.17 caused the seasonal shift, or if a shift will continue.

Avian Influenza

- **H5N1** remains infectious up to 1 day in refrigerated **raw milk** and up to 7 days at room temperature. H5N1 cannot survive the **pasteurization process** used in milk sold commercially.
- The **WHO reports 3 human H5N1** detections, 8 H9N2 detections, and 1 H10N3 detection globally. All reports were in Asia, and there were no reports of sustained human transmission. The WHO assesses the current risk as low.
- A **H5N1 strain that spread across Europe** was a **reassortment with a low pathogenicity avian influenza strain**. Following emergence in summer 2023, the strain spread across 13 countries with detections in poultry, wild birds and a wild fox. The study adds to evidence of reassortment risk.

Measles

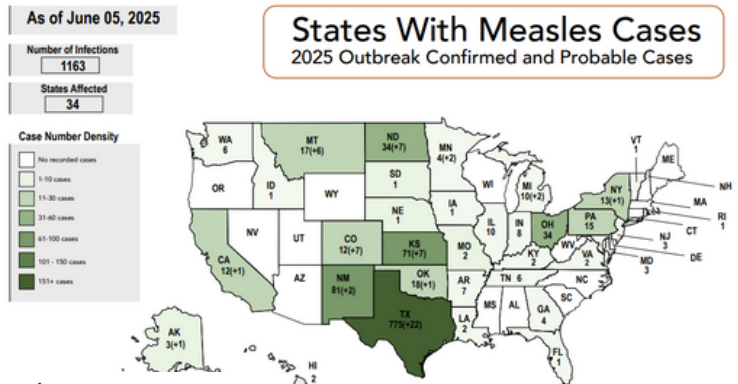
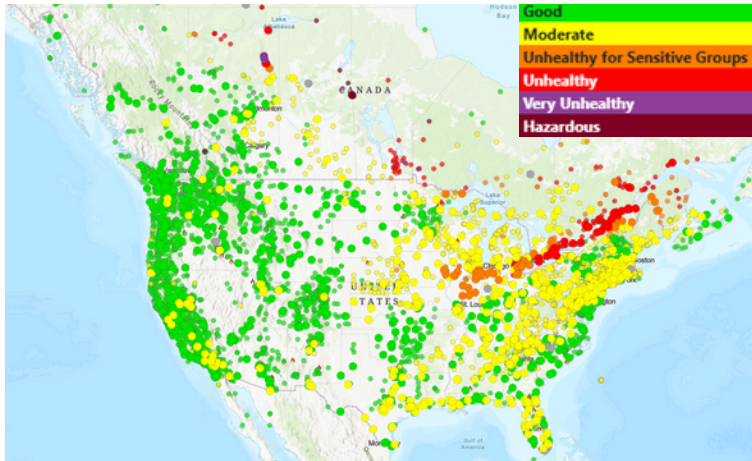


Image source:
Pandemic Center

- **Virginia has confirmed its 3rd measles case of 2025**, linked to an exposure with a **previous case**. Potential exposure sites occurred in Charlottesville on May 31 and Jun 1.
- The **CDC has updated its measles vaccination recommendation for travelers** following cases linked to domestic and international flights. Colorado has 12 confirmed cases in 2025; 7 of which were passengers on an international flight or exposed at the **Denver International Airport**. Washington County, **Minnesota** and San Juan County, **New Mexico** have recently confirmed cases with recent domestic air travel.
- **Mpox continues to surge in Sierra Leone**, with **2,943** cases and 12 deaths reported in the 6 weeks ending June 1. Recent analyses suggest that clade IIb mpox is spreading sexually through **heterosexual networks** and that there was likely **undetected spread** prior to the outbreak.
- The **mpox outbreak may be overwhelming response capacity**. As of May 29, only 720,000 of a targeted 6.4 million people have been **vaccinated**. The outbreak in **Sierra Leone**, which has only 60 mpox isolation beds, quickly overwhelmed capacity there. Limited vaccine deliveries, health workers, health infrastructure and outreach, occurring alongside cutbacks in aid, are hampering the effort.

Spotlight

Air Quality Map, Jun 6, 12PM



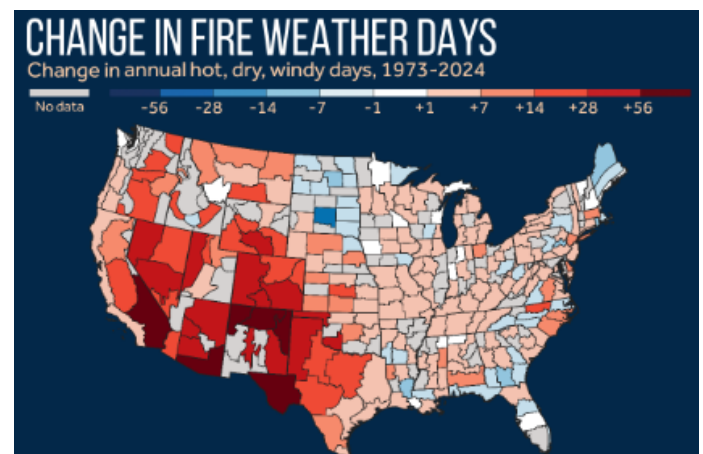
Wildfires in Canada and Minnesota are affecting air quality across much of Eastern US, including Virginia. Parts of Illinois, Indiana and Michigan experienced Unhealthy conditions this week but air quality is improving into the weekend.
Image Source: [NOAA](#)

Other News

- **Two attacks targeting Jewish groups have occurred in the past few weeks.** The latest injured 12 in Boulder CO, while an earlier attack killed 2 in Washington DC. Continued deterioration of the situation in Israel and Palestine is heightening concerns of additional attacks related to the conflict.
- **FEMA has paused a new hurricane response plan, reverting to existing strategy.** The new plan would have pushed more responsibility to states. However, it is unclear how the agency will implement the plan with reduced staff and preparation time.
- **Two students attempted to smuggle an agricultural pathogen into the US.** The students planned to continue studies of the fungus, and the attempt does not appear malicious. Text messages suggest the students had smuggled seeds previously.
- **Grants supporting disaster mitigation and resilience have been cut in Hampton Roads.** These include several grants for flood mitigation and to repair and enhance the Lake Meade Dam.

Atmosphere Outlook

- **The American Lung Association released its State of the Air Report** ranking cities on ozone and particle pollution. Charlottesville and Roanoke ranked among the cleanest cities list for ozone, while Lynchburg ranked high on particle pollution. No Virginia cities were on the most polluted cities list, though a few received 'D' or 'F' grades.
- **A large cloud of Saharan dust spread into the Southeast US this week.** Saharan dust clouds are common and tend to suppress tropical activity while over the Atlantic. This cloud is unlikely to affect Virginia, and air quality impacts are expected to be minimal. An unusually large cloud in 2020 had larger impacts, including in Virginia.
- **NOAA issued a severe solar storm alert for June 1-3.** No impacts were reported. The sun is currently near the peak of its 11-year solar cycle. Though no major disruptions have occurred in decades, severe solar storms can disrupt power grids, communications, geolocation and other services.



Wildfire seasons are lengthening and intensifying, increasing the number fire weather days, particularly in Western states. Virginia has seen a moderate and mixed increase. Image Source: [CC](#)

- **A salmonella outbreak linked to backyard poultry has caused at least 25 hospitalization and 1 death.** 104 cases across 35 states have been reported since Feb 9. The outbreak has been linked to two hatcheries.