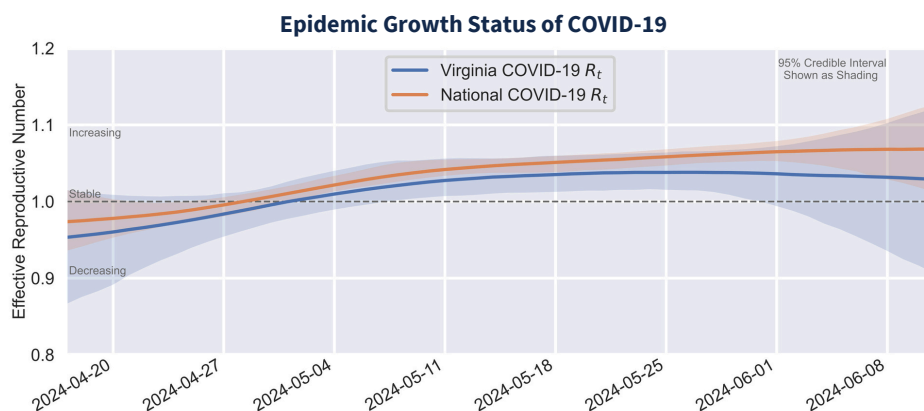


June 14, 2024

Key Takeaways

- Surveillance continues to suggest a slow increase of COVID-19 activity locally and nationally. At the moment, rates remain low in Virginia.
- The USDA says that dozens of companies are in competition to produce an HPAI (A)H5N1 vaccine for cattle and other livestock.
- Flu virus with reduced Oseltamivir inhibition was detected in the U.S.
- National pertussis rates are elevated compared to 2023. An outbreak is ongoing in Lexington, KY where officials report six new cases this week.
- The NOAA is forecasting a dangerous heat wave for the East Coast next week. Parts of Virginia could experience ‘major’ heat risks.

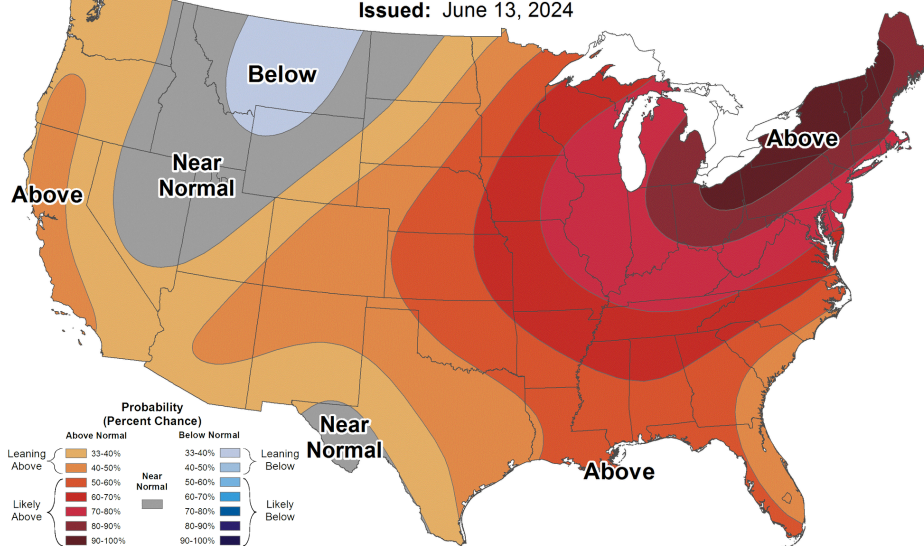
Key Figures



Models suggest that COVID-19 is growing nationally and locally. Data Source: [CDC](#).

6-10 Day Temperature Outlook

Valid: June 19 - 23, 2024
 Issued: June 13, 2024



The NOAA is forecasting a heat wave for New England and Mid-Atlantic regions. Northern Virginia will likely be affected as well. Image Source: [NOAA](#).

Mpox

23

The number of mpox cases reported in Virginia in 2024 as of Jun 11.

Measles

151

The number of new measles cases in the US detected since the start of 2024, as of Jun 14.

HPAI A(H5N1)

95

HPAI A(H5N1) detections in dairy cattle herds in the United States as of Jun 13.

Pertussis

5,684

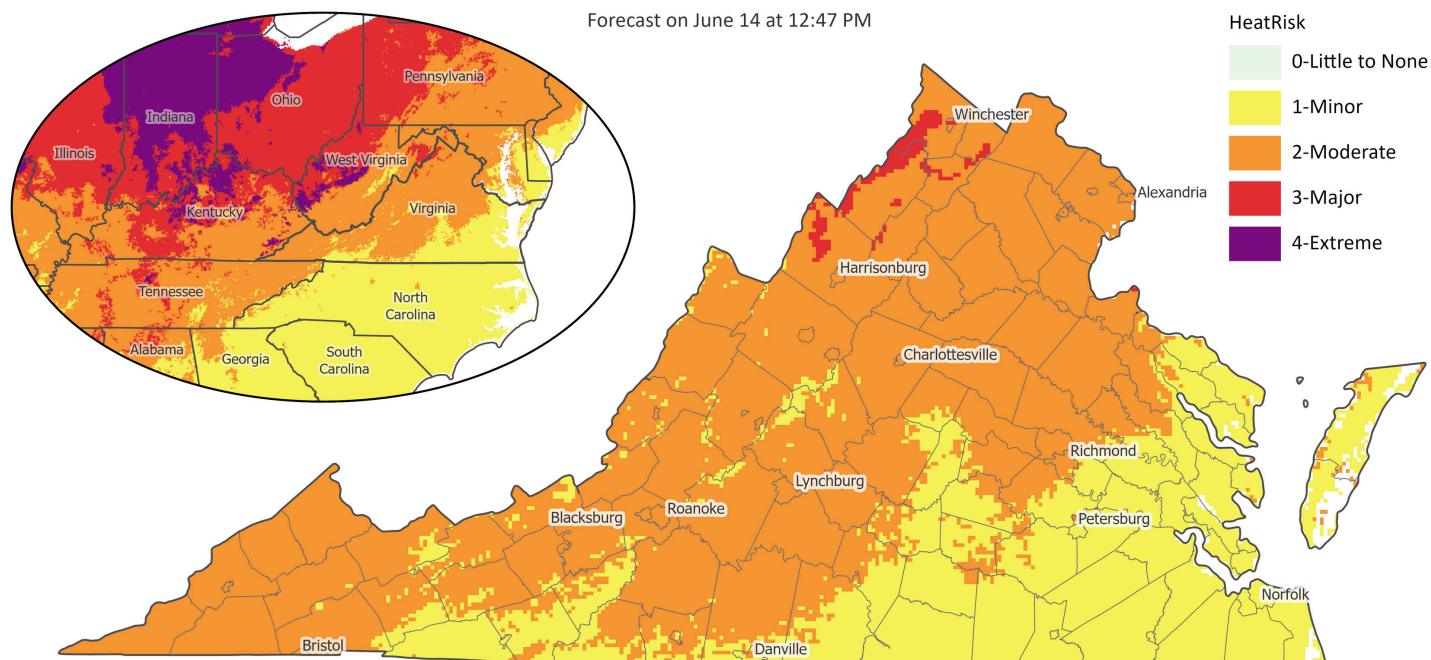
Cumulative cases of pertussis detected in the United States since the start of 2024, as of Jun 8, 2024.

Other News

- Findings from a recent study indicated that antimicrobial-resistant organisms are far more prevalent in areas with greater socioeconomic disparities. The authors highlight several factors that may contribute to this association including poor sanitation and overcrowded housing, emphasizing the importance of addressing access to health care and public health information.
- According to the CDC, over 5,600 pertussis (whooping cough) cases have been reported since the start of the year, more than double the number of cases reported within the same time period in 2023. Localized outbreaks have occurred in some areas including Montgomery County, Ohio and Lexington, Kentucky where 27 cases have been confirmed in the past six weeks. In Lexington, this is more than the 16 total cases that have been reported over the previous five years combined.
- India detects severe case of H9N2 avian influenza. The case involved a young child living in the state of West Bengal. The patient recovered after an extended stay in an intensive care unit. The family reported contact with poultry. No other members of the patient's family reported respiratory symptoms. Note that this case is not related to the ongoing H5N1 avian flu outbreak in American dairy cattle.
- Chronic exposure to particulate matter in wildfire smoke contributed to over 52,000 premature deaths among individuals in California, according to a recently published study that examined the long-term effects of wildfires in California. The economic impact of those deaths was estimated to be around \$432 billion.
- The CDC is investigating ongoing outbreaks of *Salmonella* *Africanus* and *Salmonella* *Braenderup*. The *Salmonella* *Africanus* outbreak has infected 196 individuals across 28 states, including Virginia, and has been associated with 68 hospitalizations, but no reported deaths. Epidemiological data has suggested that contaminated cucumbers may be the cause of illness and a recall has been issued. An outbreak of *Salmonella* *Braenderup* has caused 185 illnesses in 24 states. It is undetermined if these outbreaks are linked to the same cause of illness.

NWS Predicted HeatRisk Index for Tuesday, June 18, 2024

Forecast on June 14 at 12:47 PM



Data Source: <https://www.wpc.ncep.noaa.gov/heatrisk/>

A heat wave is expected to impact much of the Midwest and East Coast next week, resulting in dangerously high temperatures across the region. Temperatures are anticipated to reach well into the 90s F and potentially higher in some areas. According to the NWS HeatRisk index, some parts of the state may experience major heat-related impacts. Image Source: NWS as of 2024-06-14 at 12:47 PM.