



ASEAN BIODIASPORA VIRTUAL CENTER

DISEASE ALERT



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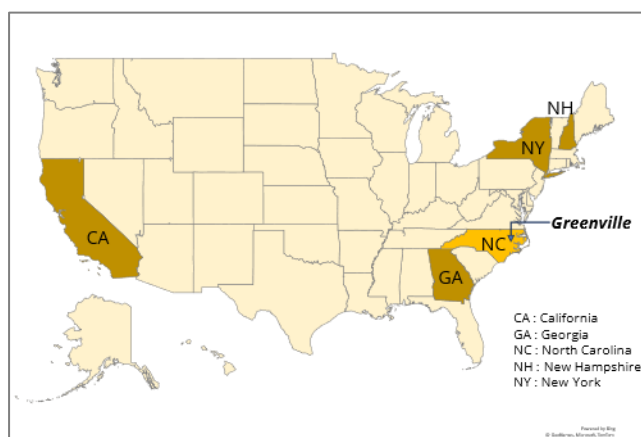
First alert: April 23, 2025 | Mpox clade I identified in wastewater sample collected in North Carolina, the United States

Sub-Locations Affected

North Carolina (Greenville)

Event Description

On April 22, 2025, the North Carolina Department of Health and Human Services (NCDHHS) reported positive wastewater detections for mpox clade I on three collection days in late March to April, despite no reported human cases.



Map of areas where clade I mpox case(s) detected

Epidemiological Information

- On **April 8, 2025**, North Carolina (NC) reported its third detection of clade I mpox in wastewater samples collected in the state. Previously, positive samples were reported on **March 25 and 28**. All were detected at a wastewater treatment plant in Greenville.
- While NC has not detected any human cases of clade I mpox to date, these ***detections in wastewater indicate that there may have been at least one person with an undiagnosed or unreported clade I mpox infection*** present in or traveling through the Greenville area around the time of these detections.

- Four cases of clade I mpox have been reported in the United States in persons who have recently traveled to affected areas in central and eastern Africa. The four cases are separate events and are not linked:

California : November 2024

Georgia : January 2025

New Hampshire : February 2025

New York : February 2025

No other cases have been reported to date.

Response Measure

- The NC Wastewater Monitoring Network actively conducts wastewater monitoring to help public health officials and health care providers make decisions, such as providing guidance on how to prevent infections. Results are shared on the NCDHHS and CDC mpox wastewater dashboards.
- As wastewater detection suggests potential undiagnosed or asymptomatic cases, NCDHHS urges healthcare providers to consider mpox in patients with compatible symptoms, inquire about recent international travel, and report suspected cases to local health departments or call the state's 24/7 epidemiologist line.
- NCDHHS advised residents to visit health care provider or contact local health department if they suspect mpox or have had close contact with someone who has mpox. Vaccines are available to the public. Information about vaccine recommendations and where to find vaccine is available on the NCDHHS mpox page.

Sources:

1. BlueDot (Event Alert), issued on April 22, 2025.
2. CDC (2025, April 1, 2025) *Mpox in the United States and Around the World: Current Situation*, Retrieved April 23, 2025 from <https://www.cdc.gov/mpox/situation-summary/index.html>
3. North Carolina Department of Health and Human Services (2025, April 22) *Mpox Found in Wastewater in North Carolina, NCDHHS Urges Public and Providers to Be on Alert*, Retrieved April 23, 2025 from <https://www.ncdhhs.gov/news/press-releases/2025/04/22/mpox-found-wastewater-north-carolina-ncdhhs-urges-public-and-providers-be-alert>

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