National Wastewater Surveillance System (NWSS)

COVID-19 Wastewater Data +

Mpox Wastewater Data

CDC's Wastewater (NWSS) Program +

How Wastewater Monitoring Works

About Wastewater Data

U.S. Mpox Wastewater Data

Updated December 20, 2023

Print

Testing has resumed for commercial contract wastewater sites (about 350 sites) that have had a temporary delay since September 15, 2023. Site-level data will be available four weeks after a site resumes testing.

NATIONAL™ WASTEWATER SURVEILLANCE SYSTEM

Communities can monitor the presence of mpox virus in wastewater samples. Data from samples can provide an early warning of mpox activity and spread in communities. For general information about wastewater surveillance, visit CDC's National Wastewater Surveillance System site.

Mpox virus detection in wastewater in the past 4 weeks, United States

Time Period: November 23, 2023 – December 20, 2023

Consistent detection

0 sites (0%)

Intermittent detection

5 sites (1%)

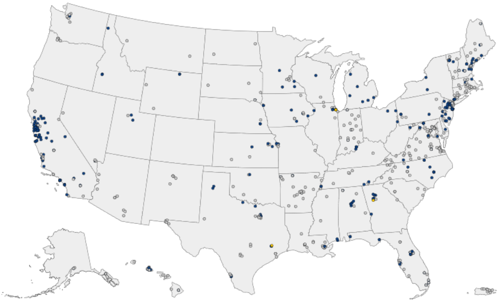
No detection

247 sites (37%)

No recent data

415 sites (62%)

Note: Click on a state to zoom in.



Legend

● Consistent detection

● Intermittent detection

● No detection

● No recent data

Note: *Click on a detection category in the legend to remove sites with that detection category from the map.*

About the Data

Detection categories:

🔴 *Consistent detection: Mpox virus was detected in more than 80% of samples in the past 4 weeks AND the most recent detection was within the past 2 weeks.*

🟡 *Intermittent detection: Mpox virus was detected in 1% to 80% of samples in the past 4 weeks AND the most recent detection was within the past 2 weeks.*

🔵 *No detection: Mpox virus was not detected in any samples from the site in the past 4 weeks OR the most recent detection was more than 2 weeks ago.*

⚪ *No recent data: Too few samples were submitted (fewer than 3) in the past 4 weeks.*

Interpretation:

Laboratory tests used for mpox wastewater surveillance can tell us if the virus's genetic material (viral DNA) is in untreated community wastewater. The tests cannot tell us if there is infectious virus in wastewater, only that the virus's genetic material is present. We do not know if mpox virus remains infectious, or for how long, in untreated wastewater. No detection of mpox virus in wastewater means there is no evidence from wastewater data that mpox is spreading in the local community. However, very low infection levels may be below the detection limit for wastewater testing. Intermittent or consistent detection means there are likely ongoing mpox infections in the community.

Download Data (CSV)

Data Table −

Location ▲	Detection Classification
⚪ Id:105	No recent data
⚪ Id:1079	No recent data
⚪ Id:1080 -A	No recent data
🔵 Id:1080 -B	No detection
⚪ Id:1081	No recent data
⚪ Id:1082 -A	No recent data
🔵 Id:1082 -B	No detection
⚪ Id:1083	No recent data
⚪ Id:1084	No recent data
⚪ Id:1107	No recent data
⚪ Id:1108	No recent data
⚪ Id:1113	No recent data
⚪ Id:1116	No recent data
⚪ Id:1131 -A	No recent data
🔵 Id:1131 -B	No detection
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⚪ Id:1139	No recent data
⚪ Id:1140	No recent data
⚪ Id:1141	No recent data
⚪ Id:1142	No recent data
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⚪ Id:1163	No recent data
⚪ Id:1165 -A	No recent data
🔵 Id:1165 -B	No detection
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🔵 Id:1172 -B	No detection
⚪ Id:1173 -A	No recent data
🔵 Id:1173 -B	No detection
⚪ Id:1175	No recent data
⚪ Id:1176	No recent data
⚪ Id:1177	No recent data
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⚪ Id:1180	No recent data
⚪ Id:1181	No recent data
⚪ Id:1195	No recent data

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○ Id:1199 -B	No recent data
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● Id:1203 -B	No detection
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● Id:670 -B	No detection
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● Id:779 -A	No recent data
● Id:779 -B	No detection

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○ Id:804	No recent data
○ Id:805	No recent data
○ Id:806	No recent data
○ Id:807	No recent data
○ Id:808	No recent data
○ Id:810	No recent data
○ Id:811	No recent data
● Id:813	No detection
○ Id:828 -A	No recent data
● Id:828 -B	No detection
○ Id:831	No recent data
○ Id:832	No recent data
○ Id:833	No recent data
○ Id:834 -A	No recent data
● Id:834 -B	No detection
○ Id:835	No recent data
○ Id:847	No recent data
○ Id:848	No recent data
○ Id:849	No recent data
○ Id:853	No recent data
○ Id:854	No recent data
○ Id:863	No recent data
○ Id:865 -A	No recent data
● Id:865 -B	No detection
○ Id:867 -A	No recent data
● Id:867 -B	No detection
○ Id:892	No recent data
○ Id:993	No recent data

Data table showing data for the United States County Map figure.

Footnotes

Data Description:

- Data are updated weekly.
- Each dot on the map represents a wastewater site. A site can represent all or part of a sewershed, which is the geographic area contributing wastewater to a sampling location. Sewersheds may cross county or state boundaries.

- Samples from some sites are tested for mpox virus at different laboratories that may use different collection and testing methods. These sites have more than one dot on the map with the same sewershed number followed by a different letter. These sites may have different detection categories for the different dots.
- Not all communities report wastewater data to CDC. Participation is voluntary. Wastewater samples are collected from sewer systems, so communities that rely primarily on septic systems are not represented.

Dot Locations:

Data are plotted in the ZIP code of the sampling location, so dots on the map do not correspond exactly to sampling locations.

Data Sources:

Data are from the National Wastewater Surveillance System (NWSS).

Laboratory Methods:

Mpox virus in wastewater is detected using quantitative polymerase chain reaction (qPCR) or digital polymerase chain reaction (dPCR) tests. Different laboratories may use different testing methods. For general information about testing methods, please visit CDC's Wastewater Surveillance Testing Methods webpage. This webpage provides information on SARS-CoV-2 wastewater testing methods, which are similar to mpox wastewater testing methods.