



National Wastewater Surveillance System (NWSS)

U.S. Mpox Wastewater Data

Updated January 17, 2024



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.



**NATIONALTM
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: December 21, 2023 – January 17, 2024

Consistent detection

0 sites (0%)

Intermittent detection

1 site (0%)

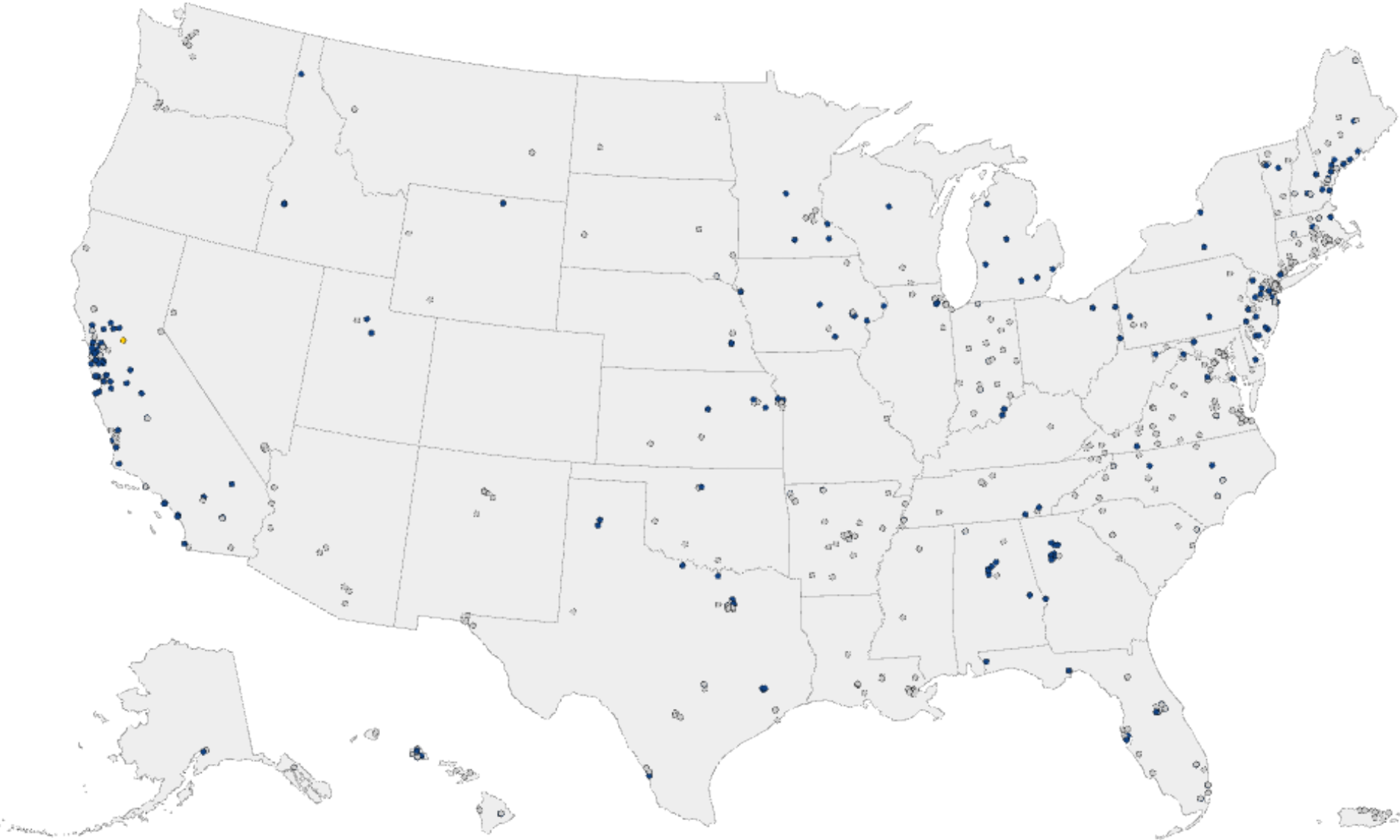
No detection

234 sites (35%)

No recent data

438 sites (65%)

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:1081		No recent data
☐ Id:1082 -A		No recent data
☐ 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
☐ Id:1134		No recent data
☐ 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:1165 -A		No recent data
☐ Id:1172 -A		No recent data
☐ Id:1173 -A		No recent data
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☐ Id:1177		No recent data
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☐ Id:1195		No recent data
☐ Id:1196		No recent data
☐ Id:1197		No recent data
☐ Id:1198		No recent data
☒ Id:1199		No detection
☐ Id:1199 -A		No recent data
☐ Id:1199 -B		No recent data

Location ▲	Detection Classification
☐ Id:1200	No recent data
☐ Id:1202	No recent data
☐ Id:1203 -A	No recent data
☒ Id:1203 -B	No detection
☐ Id:1204 -A	No recent data
☐ Id:1205	No recent data
☐ Id:1206	No recent data
☐ Id:1208 -A	No recent data
☒ Id:1208 -B	No detection
☐ Id:1210	No recent data
☐ Id:1211	No recent data
☐ Id:1218	No recent data
☐ Id:1219 -A	No recent data
☐ Id:1219 -B	No recent data
☐ Id:1220	No recent data
☐ Id:1221 -A	No recent data
☒ Id:1221 -B	No detection
☐ Id:1223	No recent data
☐ Id:1224	No recent data
☐ Id:1229	No recent data
☐ Id:1230	No recent data
☐ Id:1231 -A	No recent data
☐ Id:1237	No recent data
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☐ Id:1275	No recent data
☐ Id:1277	No recent data
☐ Id:1278	No recent data
☐ Id:1281	No recent data
☐ Id:1282	No recent data
☐ Id:1283	No recent data

Location ▲	Detection Classification
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☐ Id:1285	No recent data
☐ Id:1288	No recent data
☐ Id:1289	No recent data
☐ Id:1291	No recent data
☐ Id:1292	No recent data
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☐ Id:1320 -B	No recent data
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☐ Id:1353	No recent data
☒ Id:1371	No detection
☐ Id:1382	No recent data
☐ Id:1383	No recent data
☐ Id:1384	No recent data
☐ Id:1385	No recent data
☐ Id:1386	No recent data
☐ Id:1387 -A	No recent data
☐ Id:1388	No recent data
☐ Id:1392	No recent data
☐ Id:1393	No recent data

Location ▲	Detection Classification
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● Id:1395	No recent data
● Id:1408	No recent data
● Id:1409	No recent data
● Id:1410 -A	No recent data
● Id:1411	No recent data
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● Id:1441	No recent data
● Id:1442	No recent data
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● Id:1445	No recent data
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● Id:1509	No recent data
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● Id:1537	No recent data
● Id:1539	No recent data
● Id:1540 -A	No recent data
● Id:1541	No recent data

Location ▲	Detection Classification
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☐ Id:1544	No recent data
☐ Id:1545	No recent data
☐ Id:1546	No recent data
☐ Id:1548	No recent data
☐ Id:1549 -A	No recent data
☐ Id:1550	No recent data
☐ Id:1551	No recent data
☐ Id:1552 -A	No recent data
☒ Id:1552 -B	No detection
☐ Id:1558	No recent data
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☐ Id:1560	No recent data
☐ Id:1561	No recent data
☐ Id:1565	No recent data
☐ Id:1576	No recent data
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☐ Id:1653	No recent data
☐ Id:1655	No recent data
☐ Id:1656	No recent data
☐ Id:1657	No recent data
☐ Id:1658	No recent data

Location ▲	Detection Classification
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 Id:1741	No detection
 Id:1742	No detection
 Id:1751 -A	No recent data
 Id:1751 -B	No detection
 Id:1752	No recent data
 Id:1753	No recent data
 Id:1759	No recent data

Location ▲	Detection Classification
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● Id:1761	No detection
● Id:1762	No detection
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● Id:1766	No detection
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● Id:1876	No detection
● Id:1877	No detection
● Id:1878	No detection

Location ▲	Detection Classification
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● Id:1881	No detection
● Id:1882	No detection
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● Id:1947	No detection
● Id:1948	No detection
● Id:1949	No detection
● Id:1963	No recent data
● Id:1985	No recent data
● Id:1989	No detection
● Id:1992	No detection
● Id:2002	No detection

Location ▲	Detection Classification
☐ Id:2003	No recent data
☒ Id:2008	No detection
☐ Id:2029	No recent data
☒ Id:2032	No detection
☐ Id:2034	No recent data
☐ Id:2035	No recent data
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☒ Id:2107	No detection
☐ Id:2123	No recent data
☐ Id:2171	No recent data
☒ Id:2208	No detection
☒ Id:2222	No detection
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☒ Id:2263	No detection
☐ Id:2267	No recent data
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☐ Id:2377	No recent data

Location ▲	Detection Classification
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● Id:2539	No detection
● Id:2564	No detection
● Id:2565	No detection
● Id:2588	No detection
● Id:2589	No detection
● Id:2590	No detection
● Id:2591	No detection

Location ▲	Detection Classification
● Id:2592	No detection
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● Id:2596	No detection
● Id:2598	No detection
● Id:2599	No detection
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● Id:347	No detection
● Id:352	No detection
● Id:353	No detection
● Id:362	No detection
● Id:363	No detection
● Id:38	No recent data
● Id:383	Intermittent detection
● Id:393	No detection
● Id:402	No recent data
● Id:42	No recent data
● Id:421	No recent data
● Id:446	No recent data
● Id:454	No recent data
● Id:461	No recent data
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Location ▲	Detection Classification
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☐ Id:475	No recent data
☐ Id:476	No recent data
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☐ Id:493	No recent data
☐ Id:495 -A	No recent data
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☐ Id:497 -A	No recent data
☒ Id:497 -B	No detection
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☐ Id:553	No recent data
☐ Id:554	No recent data

Location ▲	Detection Classification
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☐ Id:560	No recent data
☐ Id:561 -A	No recent data
☒ Id:561 -B	No detection
☐ Id:562	No recent data
☐ Id:563	No recent data
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☐ Id:61	No recent data
☐ Id:635 -U1	No recent data
☐ Id:635 -U2	No recent data
☐ Id:635 -U3	No recent data
☒ Id:65	No detection
☐ Id:661	No recent data
☐ Id:663	No recent data
☐ Id:666	No recent data
☐ Id:667	No recent data
☐ Id:668 -A	No recent data
☒ Id:668 -B	No detection
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☐ Id:670 -A	No recent data
☒ Id:670 -B	No detection
☐ Id:671 -A	No recent data
☒ Id:671 -B	No detection
☐ Id:672	No recent data
☐ Id:673	No recent data
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☐ Id:675 -U1	No recent data
☐ Id:675 -U2	No recent data
☐ Id:675 -U3	No recent data
☐ Id:675 -U4	No recent data
☐ Id:675 -U5	No recent data

Location ▲	Detection Classification
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☐ Id:679	No recent data
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☐ Id:703	No recent data
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☐ Id:711 -B	No recent data
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☐ Id:716	No recent data
☐ Id:724	No recent data
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☐ Id:76	No recent data
☐ Id:763 -A	No recent data
☒ Id:763 -B	No detection
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☐ Id:769	No recent data
☐ Id:770	No recent data
☐ Id:771 -A	No recent data
☐ Id:772 -A	No recent data
☒ Id:772 -B	No detection
☐ Id:777	No recent data
☐ Id:778	No recent data
☐ Id:779 -A	No recent data
☒ Id:779 -B	No detection
☐ Id:781 -A	No recent data
☒ Id:781 -B	No detection
☐ Id:783	No recent data
☐ Id:784	No recent data
☐ Id:787	No recent data
☐ Id:788	No recent data
☐ Id:788 -A	No recent data

Location ▲	Detection Classification
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● Id:790 -A	No recent data
● Id:790 -B	No detection
● Id:792	No recent data
● Id:793	No recent data
● Id:795	No recent data
● Id:798 -A	No recent data
● Id:798 -B	No detection
● Id:802 -A	No recent data
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● Id:810	No recent data
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● Id:828 -B	No detection
● Id:831	No recent data
● Id:832	No recent data
● Id:833	No recent data
● Id:834	No detection
● 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.	



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.
