



National Wastewater Surveillance System (NWSS)

U.S. Mpox Wastewater Data

Updated January 3, 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 7, 2023 – January 3, 2024

Consistent detection

0 sites (0%)

Intermittent detection

1 site (0%)

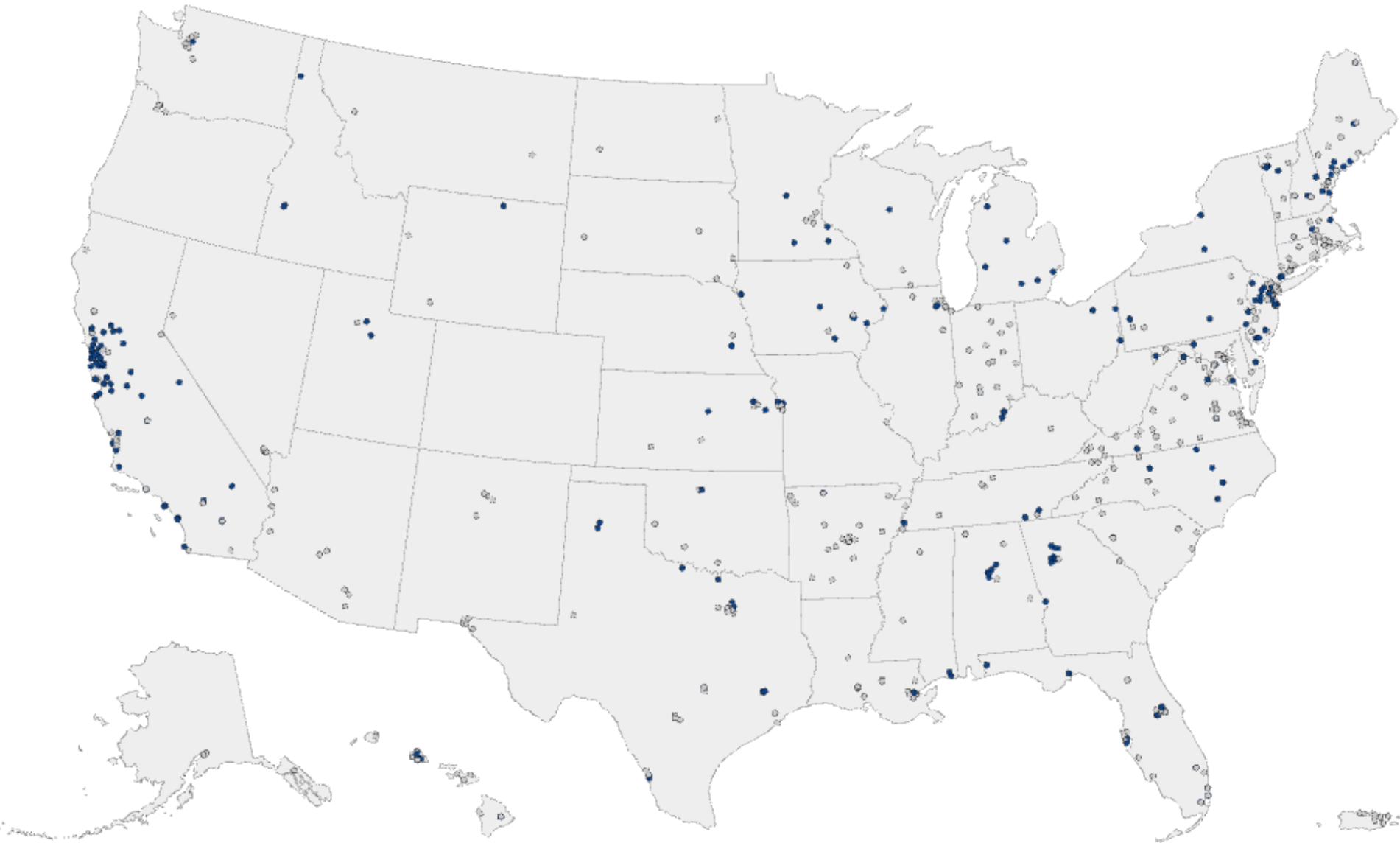
No detection

241 sites (36%)

No recent data

432 sites (64%)

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
☐ 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
☐ Id:1148		No recent data
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☐ Id:1162		No recent data
☐ Id:1163		No recent data
☐ Id:1165 -A		No recent data
☒ Id:1165 -B		No detection
☐ Id:1172 -A		No recent data
☒ 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
☐ Id:1179		No recent data
☐ Id:1180		No recent data
☐ Id:1181		No recent data
☐ Id:1195		No recent data
☐ Id:1196		No recent data
☐ Id:1197		No recent data

Location ▲	Detection Classification
☐ Id:1198	No recent data
☒ Id:1199	No detection
☐ Id:1199 -A	No recent data
☐ Id:1199 -B	No recent data
☐ 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:1204 -B	No detection
☐ 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:1231 -B	No detection
☐ Id:1237	No recent data
☐ Id:125	No recent data
☐ Id:1259	No recent data
☐ Id:1260	No recent data
☐ Id:1261	No recent data
☐ Id:1262	No recent data
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☐ Id:1268	No recent data
☐ Id:1269	No recent data
☐ Id:1270	No recent data
☐ Id:1271	No recent data
☐ Id:1272	No recent data
☐ Id:1273	No recent data

Location ▲	Detection Classification
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☐ 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
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☐ Id:1288	No recent data
☐ Id:1289	No recent data
☐ Id:1291	No recent data
☐ Id:1292	No recent data
☐ Id:1293 -A	No recent data
☒ Id:1293 -B	No detection
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☐ Id:1319	No recent data
☐ Id:1320 -A	No recent data
☐ Id:1320 -B	No recent data
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☐ Id:1323 -A	No recent data
☒ Id:1323 -B	No detection
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☐ Id:1330	No recent data
☐ Id:1333	No recent data
☐ Id:1334	No recent data
☐ Id:1337	No recent data
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☐ Id:1349	No recent data
☐ Id:1350	No recent data
☐ Id:1352	No recent data
☐ Id:1353	No recent data
☒ Id:1371	No detection
☒ Id:1378	No detection

Location ▲	Detection Classification
☐ 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:1387 -B	No detection
☐ Id:1388	No recent data
☐ Id:1392	No recent data
☐ Id:1393	No recent data
☐ Id:1394	No recent data
☐ Id:1395	No recent data
☐ Id:1408	No recent data
☐ Id:1409	No recent data
☐ Id:1410 -A	No recent data
☒ Id:1410 -B	No detection
☐ Id:1411	No recent data
☐ Id:1440	No recent data
☐ Id:1441	No recent data
☐ Id:1442	No recent data
☐ Id:1443	No recent data
☐ Id:1444	No recent data
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☐ Id:1452	No recent data
☒ Id:1453	No detection
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☒ Id:1453 -B	No detection
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☐ Id:1471	No recent data
☐ Id:1472	No recent data
☐ Id:1473	No recent data
☐ Id:1490	No recent data
☐ Id:1491	No recent data
☐ Id:1494	No recent data

Location ▲	Detection Classification
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☐ Id:1496	No recent data
☐ Id:1497	No recent data
☐ Id:1501	No recent data
☐ Id:1502	No recent data
☐ Id:1508	No recent data
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☐ Id:1536	No recent data
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☐ 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
☐ Id:1559	No recent data
☐ 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:1616	No recent data
☐ Id:1616 -A	No recent data
☒ Id:1616 -B	No detection
☐ Id:1617	No recent data
☐ Id:1618	No recent data
☐ Id:1626	No recent data

Location ▲	Detection Classification
☐ Id:1631 -A	No recent data
☒ Id:1631 -B	No detection
☐ Id:1632	No recent data
☐ Id:1633	No recent data
☐ Id:1648	No recent data
☐ Id:1649	No recent data
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☒ Id:1692	No detection
☒ Id:1693	No detection
☒ Id:1695	No detection
☒ Id:1696	No detection
☒ Id:1697	No detection

Location ▲	Detection Classification
● Id:1698	No detection
● Id:1701	No detection
● Id:1703	No detection
● Id:1706	No detection
● Id:1708	No detection
● Id:1709	No detection
● Id:1710	No detection
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● Id:1764	No detection
● Id:1765	No detection
● Id:1766	No detection
● Id:177	No recent data
● Id:1778	No recent data
● Id:1779	No detection
● Id:178	No recent data

Location ▲	Detection Classification
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● Id:1781	No detection
● Id:1783	No detection
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● Id:1785	No recent data
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● Id:1789	No detection
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● Id:1832	No recent data
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● Id:1834	No recent data
● Id:1837	No recent data
● Id:1838	No recent data
● Id:1839	No detection
● Id:1842	No detection
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● Id:1867	No detection
● Id:1869	No detection
● Id:1870	No detection
● Id:188	No recent data
● Id:1918	No recent data
● Id:1930	No detection
● Id:1946	No detection
● Id:1947	No detection
● Id:1948	No detection

Location ▲	Detection Classification
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● Id:1963	No recent data
● Id:1985	No recent data
● Id:1989	No detection
● Id:1990	No detection
● Id:1992	No detection
● Id:2002	No detection
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● Id:2043	No recent data
● Id:2044	No recent data
● Id:2077	No recent data
● Id:2078	No recent data
● Id:2079	No recent data
● Id:2107	No detection
● Id:2109	No detection
● Id:2123	No recent data
● Id:2171	No recent data
● Id:220	No detection
● Id:2207	No detection
● Id:2208	No detection
● Id:2222	No detection
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● Id:2263	No detection
● Id:2267	No recent data
● Id:2270	No recent data
● Id:2271	No detection
● Id:2288	No detection
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● Id:2293	No detection
● Id:2325	No detection
● Id:2326	No detection
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Location ▲	Detection Classification
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● Id:2347	No detection
● Id:2349	No detection
● Id:2350	No detection
● Id:2351	No recent data
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● Id:2374	No recent data
● Id:2375	No recent data
● Id:2377	No recent data
● Id:2378	No detection
● Id:2381	No recent data
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● Id:2410	No detection
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● Id:2490	No detection
● Id:2491	No detection
● Id:2493	No detection
● Id:2494	No detection
● Id:2495	No detection
● Id:2496	No detection
● Id:2497	No detection

Location ▲	Detection Classification
● Id:2498	No detection
● Id:2500	No detection
● Id:2501	No detection
● Id:2502	No detection
● Id:2503	No detection
● Id:2505	No detection
● Id:2506	No detection
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● Id:342	No recent data
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● Id:362	No detection
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● Id:38	No recent data
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● Id:446	No recent data
● Id:454	No recent data
● Id:461	No recent data
● Id:462	No recent data
● Id:464	No recent data
● Id:470	No recent data
● Id:472	No recent data

Location ▲	Detection Classification
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☐ Id:476	No recent data
☐ Id:484	No recent data
☐ Id:485	No recent data
☒ Id:486	No detection
☐ Id:487	No recent data
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☐ Id:493	No recent data
☒ Id:494	No detection
☐ Id:495 -A	No recent data
☒ Id:495 -B	No detection
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☒ Id:497 -B	No detection
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☐ Id:501	No recent data
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☐ Id:553	No recent data
☐ Id:554	No recent data
☐ Id:555	No recent data
☐ Id:560	No recent data

Location ▲	Detection Classification
☐ Id:561 -A	No recent data
☒ Id:561 -B	No detection
☐ Id:562	No recent data
☐ Id:563	No recent data
☒ Id:564	No detection
☐ Id:564 -A	No recent data
☒ Id:564 -B	No detection
☐ Id:565	No recent data
☐ Id:566	No recent data
☐ Id:569 -A	No recent data
☒ Id:569 -B	No detection
☐ Id:570 -A	No recent data
☒ Id:570 -B	No detection
☐ Id:574	No recent data
☐ Id:575	No recent data
☐ Id:590	No recent data
☐ Id:593	No recent data
☐ Id:599	No recent data
☐ Id:600	No recent data
☐ Id:61	No recent data
☐ Id:635 -U1	No recent data
☐ Id:635 -U2	No recent data
☐ Id:635 -U3	No recent data
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☐ 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
☐ Id:669 -A	No recent data
☒ Id:669 -B	No detection
☐ Id:670 -A	No recent data
☒ Id:670 -B	Intermittent detection
☐ Id:671 -A	No recent data
☒ Id:671 -B	No detection
☐ Id:672	No recent data
☐ Id:673	No recent data
☐ Id:674 -U1	No recent data
☐ Id:674 -U2	No recent data
☐ Id:674 -U3	No recent data
☐ Id:675 -U1	No recent data
☐ Id:675 -U2	No recent data
☐ Id:675 -U3	No recent data

Location ▲	Detection Classification
☐ Id:675 -U4	No recent data
☐ Id:675 -U5	No recent data
☐ Id:676	No recent data
☐ Id:677	No recent data
☐ Id:678	No recent data
☐ Id:679	No recent data
☐ Id:681	No recent data
☐ Id:682	No recent data
☐ Id:683	No recent data
☐ Id:684	No recent data
☐ Id:686	No recent data
☐ Id:701	No recent data
☐ Id:703	No recent data
☐ Id:706	No recent data
☐ Id:709	No recent data
☐ Id:710	No recent data
☐ Id:711 -A	No recent data
☒ Id:711 -B	No detection
☐ Id:715	No recent data
☐ Id:716	No recent data
☐ Id:724	No recent data
☐ Id:727	No recent data
☐ Id:741	No recent data
☐ Id:76	No recent data
☐ Id:763 -A	No recent data
☒ Id:763 -B	No detection
☐ Id:764	No recent data
☐ Id:765	No recent data
☐ Id:767	No recent data
☐ Id:768	No recent data
☐ Id:769	No recent data
☐ Id:770	No recent data
☐ Id:771 -A	No recent data
☒ Id:771 -B	No detection
☐ Id:772 -A	No recent data
☒ Id:772 -B	No detection
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☐ 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

Location ▲	Detection Classification
● Id:787	No recent data
● Id:788	No recent data
● Id:788 -A	No recent data
● Id:788 -B	No detection
● 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
● Id:802 -B	No detection
● Id:803	No recent data
● 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
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● 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.
