CDC Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

National Wastewater Surveillance System (NWSS)

U.S. Mpox Wastewater Data

Updated October 11, 2023

> ⚠ As of September 15, 2023, testing data is temporarily unavailable from about 400 wastewater testing sites nationwide. A new contract is being implemented, and testing and reporting for affected sites is expected to resume shortly.
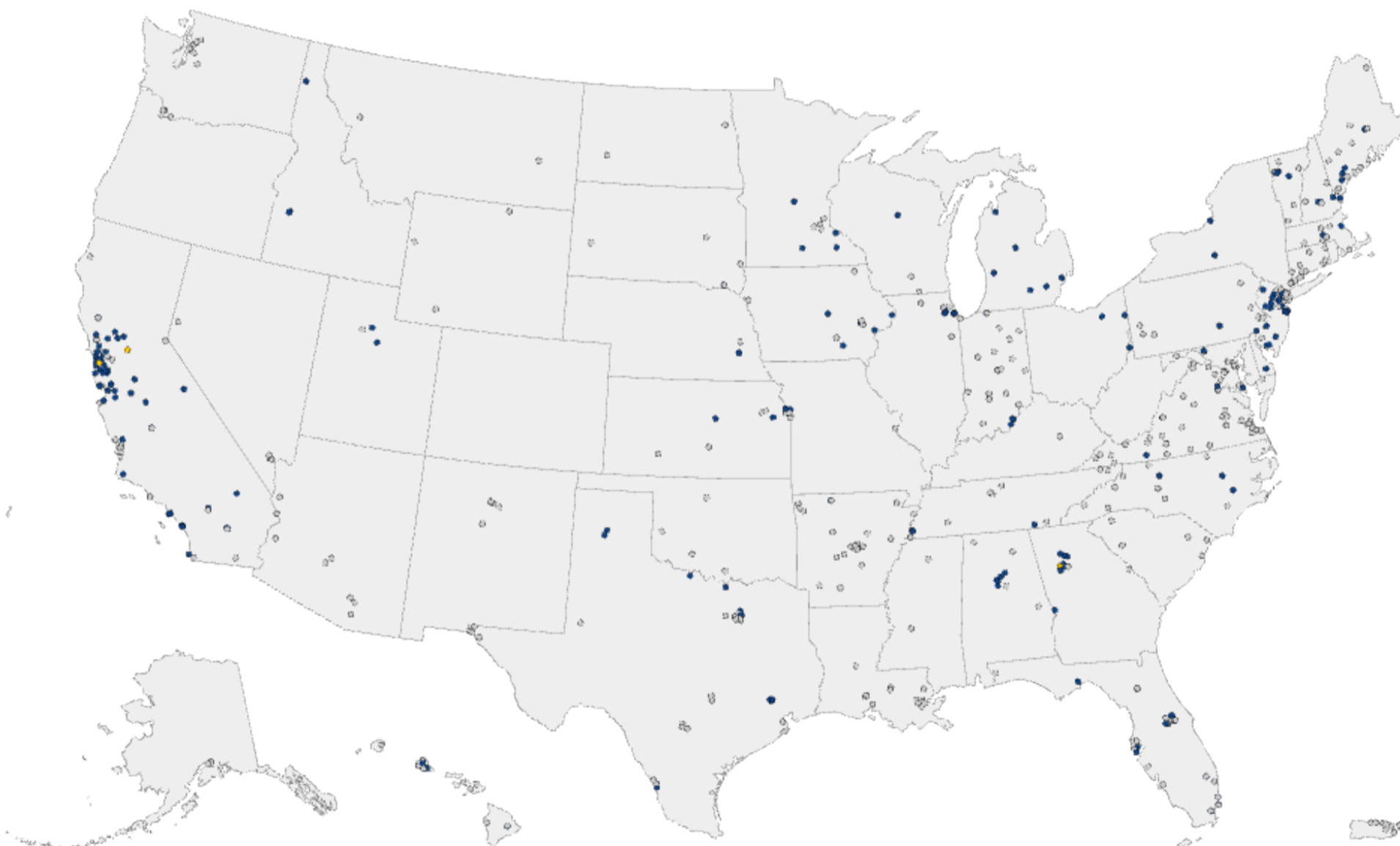
NWSS

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

Consistent detection	Intermittent detection	No detection	No recent data
0 sites (0%)	5 sites (1%)	199 sites (33%)	406 sites (67%)

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:867 -B	No detection
○ Id:867 -A	No recent data
● Id:865 -B	No detection
○ Id:865 -A	No recent data
● Id:834 -B	No detection
○ Id:834 -A	No recent data
● Id:828 -B	No detection
○ Id:828 -A	No recent data
● Id:802 -B	No detection
○ Id:802 -A	No recent data
● Id:798 -B	No detection
○ Id:798 -A	No recent data
● Id:790 -B	No detection
○ Id:790 -A	No recent data
● Id:788 -B	No detection
○ Id:788 -A	No recent data
● Id:781 -B	No detection
○ Id:781 -A	No recent data
● Id:779 -B	No detection
○ Id:779 -A	No recent data
● Id:772 -B	No detection
○ Id:772 -A	No recent data
● Id:763 -B	No detection
○ Id:763 -A	No recent data
● Id:711 -B	No detection
○ Id:711 -A	No recent data
● Id:675 -U5	No detection
● Id:675 -U4	No detection
● Id:675 -U3	No detection
● Id:675 -U2	Intermittent detection
○ Id:675 -U1	No recent data
● Id:674 -U3	No detection
○ Id:674 -U2	No recent data
● Id:674 -U1	No detection
● Id:671 -B	No detection
○ Id:671 -A	No recent data
● Id:670 -B	No detection
○ Id:670 -A	No recent data
● Id:669 -B	No detection
○ Id:669 -A	No recent data
● Id:668 -B	No detection
○ Id:668 -A	No recent data
● Id:635 -U3	No detection
● Id:635 -U2	Intermittent detection
○ Id:635 -U1	No recent data
● Id:570 -B	No detection
○ Id:570 -A	No recent data
● Id:569 -B	No detection
○ Id:569 -A	No recent data
● Id:564 -B	No detection
○ Id:564 -A	No recent data
● Id:561 -B	No detection
○ Id:561 -A	No recent data
● Id:497 -B	No detection
○ Id:497 -A	No recent data
● Id:495 -B	No detection
○ Id:495 -A	No recent data
● Id:2410	No detection
● Id:2409	No detection
● Id:2405	No detection

Location	Detection Classification
Id:2404	No detection
Id:2400	No recent data
Id:2395	No detection
Id:2381	No recent data
Id:2378	No detection
Id:2377	No detection
Id:2375	No recent data
Id:2374	No recent data
Id:2373	No detection
Id:2360	No recent data
Id:2359	No detection
Id:2358	No detection
Id:2356	No detection
Id:2355	No detection
Id:2354	No detection
Id:2353	No detection
Id:2352	No detection
Id:2351	No detection
Id:2350	No detection
Id:2349	No detection
Id:2347	No detection
Id:2346	No detection
Id:2344	No detection
Id:2326	No detection
Id:2325	No detection
Id:2293	No detection
Id:2290	No recent data
Id:2288	No detection
Id:2271	No detection
Id:2270	No recent data
Id:2267	No recent data
Id:2263	No detection
Id:2261	No recent data
Id:2222	No detection
Id:2208	No detection
Id:2207	No detection
Id:2171	No recent data
Id:2123	No recent data
Id:2109	No detection
Id:2107	No detection
Id:2079	No recent data
Id:2078	No recent data
Id:2077	No recent data
Id:2044	No recent data
Id:2043	No recent data
Id:42	No recent data
Id:2042	No recent data
Id:2041	No recent data
Id:2040	No recent data
Id:38	No recent data
Id:2037	No recent data
Id:2036	No recent data
Id:2035	No recent data
Id:2034	No recent data
Id:2032	No detection
Id:2031	No detection
Id:2030	No detection
Id:2029	No recent data
Id:2008	No detection
Id:2003	No recent data
Id:2002	No detection
Id:1992	No detection
Id:1990	No detection
Id:1989	No detection
Id:1985	No recent data
Id:65	No recent data

Location	Detection Classification
⚪ Id:1963	No recent data
⚪ Id:61	No recent data
🔵 Id:1949	No detection
🔵 Id:1948	No detection
🔵 Id:1947	No detection
🔵 Id:1946	No detection
🔵 Id:1930	No detection
⚪ Id:1918	No recent data
🔵 Id:1870	No detection
🔵 Id:1869	No detection
🔵 Id:1867	No detection
🔵 Id:1866	No detection
🔵 Id:1842	No detection
🔵 Id:1839	No detection
⚪ Id:1838	No recent data
⚪ Id:1837	No recent data
⚪ Id:1834	No recent data
⚪ Id:1833	No recent data
⚪ Id:1832	No recent data
⚪ Id:1831	No recent data
⚪ Id:1830	No recent data
⚪ Id:1829	No recent data
⚪ Id:1828	No recent data
⚪ Id:1827	No recent data
⚪ Id:1826	No recent data
🔵 Id:1822 -B	No detection
⚪ Id:1822 -A	No recent data
🔵 Id:1813	No detection
🔵 Id:1812	No detection
🔵 Id:1811	No detection
🔵 Id:1810	No detection
🔵 Id:1808	No detection
🔵 Id:1807	No detection
🔵 Id:1793	No detection
🔵 Id:1792	No detection
🔵 Id:1791	No detection
🔵 Id:1790	No detection
🔵 Id:1789	No detection
🔵 Id:1786	No detection
⚪ Id:1785	No recent data
🔵 Id:1784	No detection
🔵 Id:1783	No detection
🔵 Id:1781	No detection
🔵 Id:1780	No detection
🔵 Id:1779	No detection
⚪ Id:1778	No recent data
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🔵 Id:1765	No detection
🔵 Id:1764	No detection
🔵 Id:1762	No detection
🔵 Id:1761	No detection
🔵 Id:1760	No detection
⚪ Id:1759	No recent data
🔵 Id:1755	No detection
⚪ Id:1753	No recent data
⚪ Id:1752	No recent data
🟡 Id:1742	Intermittent detection
🔵 Id:1736	No detection
🔵 Id:1713	No detection
🔵 Id:1712	No detection
🔵 Id:1711	No detection
🔵 Id:1710	No detection
🔵 Id:1689	No detection
🔵 Id:1672	No detection
🔵 Id:1666	No detection
⚪ Id:1659	No recent data

Location	Detection Classification
⚪ Id:1473	No recent data
⚪ Id:1471	No recent data
⚪ Id:771	No recent data
🔵 Id:1751 -B	No detection
⚪ Id:1751 -A	No recent data
🔵 Id:1741	No detection
🔵 Id:1740	No detection
🔵 Id:1739	No detection
🔵 Id:1738	No detection
🔵 Id:1737	No detection
🔵 Id:1735 -B	No detection
🔵 Id:1734	No detection
🔵 Id:1733	No detection
🔵 Id:1732	No detection
🔵 Id:1721	No detection
🔵 Id:1720	No detection
🔵 Id:1719	No detection
🔵 Id:1718	No detection
🔵 Id:1717	No detection
🔵 Id:1716	No detection
🔵 Id:1714	No detection
🔵 Id:1709	No detection
🔵 Id:1708	No detection
🔵 Id:1706	No detection
🔵 Id:1703	No detection
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🔵 Id:1671	No detection
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🔵 Id:1667	No detection
🔵 Id:1665	No detection
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🔵 Id:1663	No detection
🔵 Id:1662	No detection
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⚪ Id:1653	No recent data
⚪ Id:1652	No recent data
⚪ Id:1651	No recent data
⚪ Id:1650	No recent data
⚪ Id:1649	No recent data
⚪ Id:1648	No recent data
⚪ Id:1633	No recent data
⚪ Id:1632	No recent data
⚪ Id:1593	No recent data

Location	Detection Classification
Id:1491	No recent data
Id:1454	No recent data
Id:1452	No recent data
Id:1444	No recent data
Id:1383	No recent data
Id:1108	No recent data
Id:863	No recent data
Id:590	No recent data
Id:487	No recent data
Id:1631 -B	No detection
Id:1626	No recent data
Id:1618	No recent data
Id:1617	No recent data
Id:1616 -B	No detection
Id:1616	No recent data
Id:1615	No recent data
Id:1614	No recent data
Id:1613	No recent data
Id:1607	No recent data
Id:1606	No recent data
Id:1605	No recent data
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Id:1544	No recent data
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Id:1541	No recent data
Id:1539	No recent data
Id:1537	No recent data
Id:1536	No recent data
Id:1509	No recent data
Id:1502	No recent data
Id:1501	No recent data
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Id:1449	No recent data
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Id:1443	No recent data
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Id:1408	No recent data
Id:1394	No recent data
Id:1393	No recent data
Id:1392	No recent data
Id:1387 -A	No recent data
Id:1386	No recent data
Id:1385	No recent data
Id:1382	No recent data
Id:1352	No recent data
Id:1350	No recent data
Id:1349	No recent data
Id:1338	No recent data
Id:1333	No recent data

Location	Detection Classification
Id:1323 -A	No recent data
Id:1318	No recent data
Id:1317	No recent data
Id:1314	No recent data
Id:1305	No recent data
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Id:1299	No recent data
Id:1293 -B	No detection
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Id:1282	No recent data
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Id:1221 -B	No detection
Id:1220	No recent data
Id:1218	No recent data
Id:1211	No recent data
Id:1206	No recent data
Id:1205	No recent data
Id:1204 -B	No detection
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Id:1195	No recent data
Id:1181	No recent data
Id:1180	No recent data
Id:1179	No recent data
Id:1177	No recent data
Id:1175	No recent data
Id:1162	No recent data
Id:1160	No recent data
Id:1158	No recent data
Id:1113	No recent data
Id:1107	No recent data
Id:1084	No recent data
Id:1079	No recent data
Id:832	No recent data
Id:831	No recent data
Id:813	No detection
Id:811	No recent data
Id:810	No recent data
Id:808	No recent data
Id:803	No recent data
Id:795	No recent data
Id:787	No recent data
Id:770	No recent data
Id:767	No recent data
Id:764	No recent data
Id:741 -A	No recent data
Id:727	No recent data
Id:716	No recent data
Id:715	No recent data
Id:710	No recent data
Id:709	No recent data
Id:684	No recent data
Id:682	No recent data

Location	Detection Classification
Id:679	No recent data
Id:673	No recent data
Id:666	No recent data
Id:661	No recent data
Id:599	No recent data
Id:574	No recent data
Id:560	No recent data
Id:552	No recent data
Id:551	No recent data
Id:547	No recent data
Id:545	No recent data
Id:544	No recent data
Id:541	No recent data
Id:537	No recent data
Id:509	No recent data
Id:506	No recent data
Id:505	No recent data
Id:500	No recent data
Id:498	No recent data
Id:496	No recent data
Id:492	No recent data
Id:475	No recent data
Id:454	No recent data
Id:402	No recent data
Id:393	No detection
Id:383	Intermittent detection
Id:353	No detection
Id:347	No recent data
Id:291	No recent data
Id:285	No recent data
Id:188	No recent data
Id:1631 -A	No recent data
Id:1616 -A	No recent data
Id:1552 -B	No detection
Id:1552 -A	No recent data
Id:1549 -A	No recent data
Id:1545	No recent data
Id:1543	No recent data
Id:1540 -A	No recent data
Id:1508	No recent data
Id:1496	No recent data
Id:1495	No recent data
Id:1494	No recent data
Id:1472	No recent data
Id:1465	No recent data
Id:1464	No recent data
Id:1462	No recent data
Id:1453 -B	No detection
Id:1453	No detection
Id:1448	No recent data
Id:1442	No recent data
Id:1441	No recent data
Id:1411	No recent data
Id:1292	No recent data
Id:1200	No recent data
Id:848	No recent data
Id:540	No recent data
Id:493	No recent data
Id:461	No recent data
Id:1410 -B	No detection
Id:1410 -A	No recent data
Id:1395	No recent data
Id:1388	No recent data
Id:1387 -B	No detection
Id:1384	No recent data
Id:1378	No detection

Location	Detection Classification
● Id:1371	No detection
○ Id:1353	No recent data
○ Id:1348	No recent data
○ Id:1337	No recent data
○ Id:1334	No recent data
○ Id:1330	No recent data
○ Id:1329	No recent data
○ Id:1327	No recent data
● Id:1323 -B	No detection
● Id:1322	No detection
○ Id:1320 -B	No recent data
○ Id:1319	No recent data
○ Id:1311	No recent data
○ Id:1302	No recent data
○ Id:1293 -A	No recent data
○ Id:1291	No recent data
○ Id:1284	No recent data
○ Id:1281	No recent data
○ Id:1278	No recent data
○ Id:1275	No recent data
○ Id:1272	No recent data
○ Id:1271	No recent data
○ Id:1269	No recent data
○ Id:1268	No recent data
○ Id:1267	No recent data
○ Id:1261	No recent data
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○ Id:1237	No recent data
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○ Id:1229	No recent data
○ Id:1223	No recent data
● Id:1219 -B	No detection
○ Id:1210	No recent data
● Id:1208 -B	No detection
○ Id:1208 -A	No recent data
○ Id:1204 -A	No recent data
○ Id:1202	No recent data
● Id:1199 -B	No detection
○ Id:1176	No recent data
● Id:1173 -B	No detection
○ Id:1172 -A	No recent data
● Id:1165 -B	No detection
○ Id:1163	No recent data
○ Id:1161	No recent data
○ Id:1159	No recent data
○ Id:1157	No recent data
○ Id:1148	No recent data
○ Id:1142	No recent data
○ Id:1141	No recent data
○ Id:1140	No recent data
○ Id:1116	No recent data
○ Id:1083	No recent data
○ Id:1081	No recent data
○ Id:993	No recent data
○ Id:892	No recent data
○ Id:854	No recent data
○ Id:853	No recent data
○ Id:849	No recent data
○ Id:847	No recent data
○ Id:833	No recent data
○ Id:807	No recent data
○ Id:806	No recent data
○ Id:805	No recent data
○ Id:804	No recent data
○ Id:793	No recent data
○ Id:792	No recent data

Location	Detection Classification
Id:788	No detection
Id:784	No recent data
Id:783	No recent data
Id:778	No recent data
Id:777	No recent data
Id:769	No recent data
Id:768	No recent data
Id:765	No recent data
Id:724	No recent data
Id:706	No recent data
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Id:494	No detection
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Id:484	No recent data
Id:476	No recent data
Id:472	No recent data
Id:470	No recent data
Id:462	No recent data
Id:446	No recent data
Id:421	No recent data
Id:363	Intermittent detection
Id:362	No detection
Id:352	No detection
Id:342	No recent data
Id:305	No detection
Id:220	No detection
Id:181	No recent data
Id:180	No recent data
Id:178	No recent data
Id:177	No recent data
Id:1540 -B	No detection
Id:1320 -A	No recent data
Id:125	No recent data
Id:1231 -B	No detection
Id:1231 -A	No recent data

Location	Detection Classification
⚪ Id:1221 -A	No recent data
⚪ Id:1219 -A	No recent data
🔵 Id:1203 -B	No detection
⚪ Id:1203 -A	No recent data
⚪ Id:1199 -A	No recent data
⚪ Id:1173 -A	No recent data
🔵 Id:1172 -B	No detection
⚪ Id:1165 -A	No recent data
⚪ Id:1139	No recent data
🔵 Id:1131 -B	No detection
⚪ Id:1131 -A	No recent data
🔵 Id:1082 -B	No detection
⚪ Id:1082 -A	No recent data
🔵 Id:1080 -B	No detection
⚪ Id:1080 -A	No recent data
⚪ Id:105	No recent data

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.