



National Wastewater Surveillance System (NWSS)

U.S. Mpox Wastewater Data

Updated October 4, 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.



**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

0 sites (0%)

Intermittent detection

9 sites (1%)

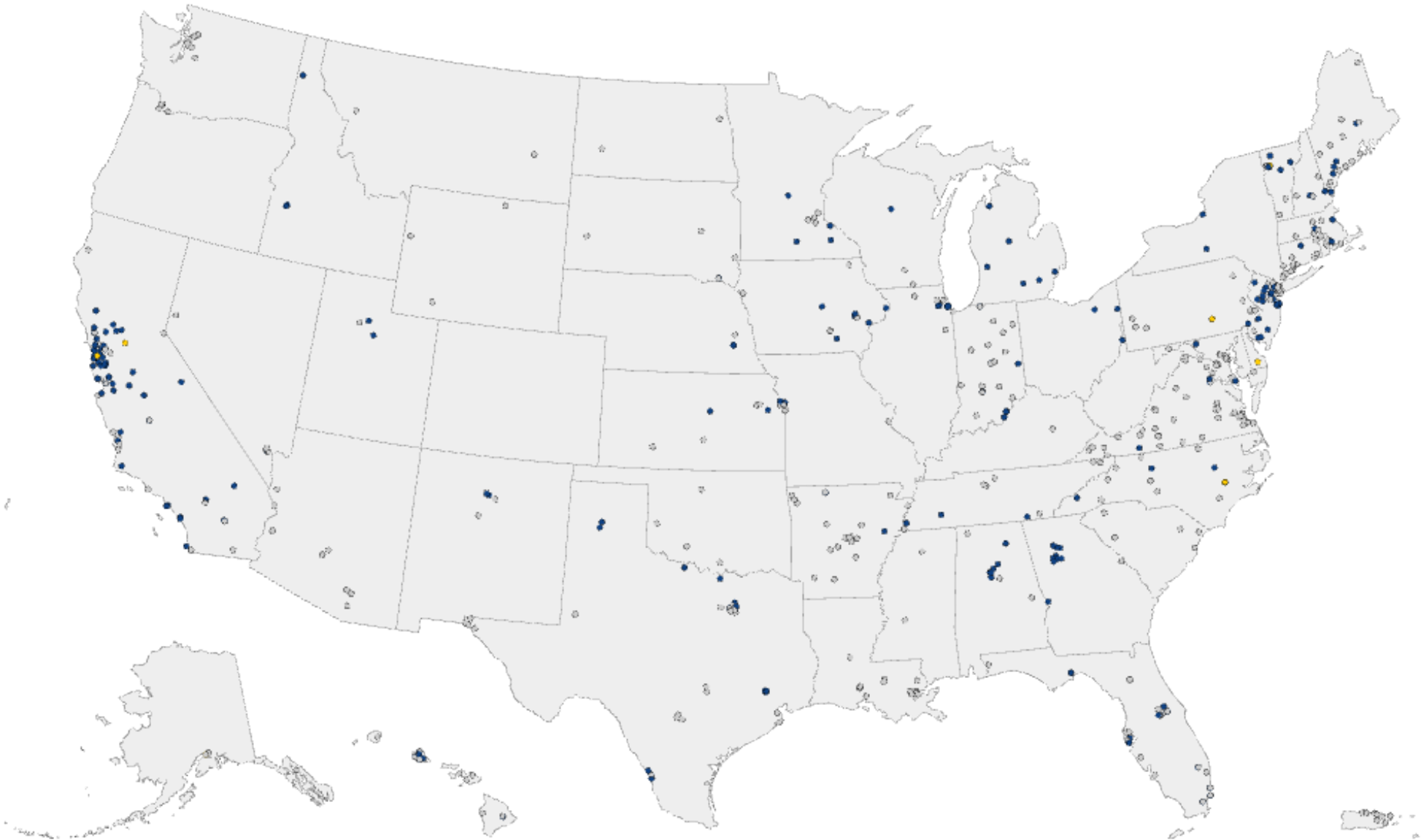
No detection

216 sites (35%)

No recent data

393 sites (64%)

Note: Click on a state to zoom in.



Legend

- Consistent detection
- No detection

- Intermittent 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:993	No recent data
 Id:867 -B	No detection
 Id:867 -A	No recent data
 Id:865 -B	No detection
 Id:865 -A	No recent data
 Id:790 -B	No detection
 Id:788 -A	No recent data
 Id:781 -B	No detection
 Id:779 -B	No detection
 Id:779 -A	No recent data
 Id:763 -B	No detection
 Id:675 -U4	No detection
 Id:675 -U1	No detection
 Id:674 -U2	No detection
 Id:2410	No detection
 Id:2409	No detection
 Id:2395	No detection
 Id:2381	No recent data
 Id:2377	No detection
 Id:2349	No detection
 Id:2171	No recent data
 Id:2078	No recent data
 Id:2003	No recent data
 Id:1985	No recent data
 Id:76	No recent data
 Id:711 -B	No detection
 Id:711 -A	No recent data
 Id:675 -U3	No detection
 Id:671 -A	No recent data
 Id:670 -A	No recent data
 Id:668 -B	No detection
 Id:570 -A	No recent data
 Id:2400	No recent data
 Id:2359	No detection
 Id:2352	No detection
 Id:2351	No detection
 Id:2222	No detection
 Id:2077	No recent data
 Id:2042	No recent data
 Id:2041	No recent data
 Id:2040	No recent data
 Id:38	No recent data
 Id:2036	No recent data
 Id:65	No recent data
 Id:61	No recent data
 Id:569 -B	Intermittent detection
 Id:564 -B	No detection
 Id:561 -A	No recent data
 Id:2375	No recent data
 Id:2355	No detection
 Id:2350	No detection
 Id:2344	No detection
 Id:2290	No recent data
 Id:2271	No detection
 Id:1949	No detection
 Id:1930	Intermittent detection
 Id:1869	No detection
 Id:1842	No detection
 Id:1837	No recent data
 Id:1834	No recent data

Location ▲	Detection Classification
 Id:1833	No recent data
 Id:1831	No recent data
 Id:1829	No recent data
 Id:1826	No recent data
 Id:1813	No detection
 Id:1808	No detection
 Id:1793	No detection
 Id:1791	No detection
 Id:1784	No detection
 Id:1783	No detection
 Id:1781	No detection
 Id:1766	No detection
 Id:1760	No detection
 Id:1759	No recent data
 Id:1721	No detection
 Id:1684	No detection
 Id:1651	No recent data
 Id:1606	No recent data
 Id:1540 -A	No recent data
 Id:1508	No recent data
 Id:1496	No recent data
 Id:1494	No recent data
 Id:1465	No recent data
 Id:1462	No recent data
 Id:1442	No recent data
 Id:1388	No recent data
 Id:1384	No recent data
 Id:1329	No recent data
 Id:1311	No recent data
 Id:1281	No recent data
 Id:1237	No recent data
 Id:1229	No recent data
 Id:1199	No recent data
 Id:853	No detection
 Id:835	No detection
 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 -A	No recent data
 Id:788 -B	No detection
 Id:784	No recent data
 Id:781 -A	No recent data
 Id:772 -B	No detection
 Id:772 -A	No recent data
 Id:769	No recent data
 Id:765	No recent data
 Id:763 -A	No recent data
 Id:701	No recent data
 Id:675 -U5	No detection
 Id:675 -U2	Intermittent detection
 Id:674 -U3	Intermittent detection
 Id:674 -U1	No detection
 Id:671 -B	No detection
 Id:670 -B	No detection
 Id:669 -B	No detection
 Id:669 -A	No recent data
 Id:668 -A	No recent data
 Id:635 -U3	No detection
 Id:635 -U2	No detection
 Id:635 -U1	No detection
 Id:1755	No detection

Location ▲	Detection Classification
 Id:593	No recent data
 Id:570 -B	No detection
 Id:569 -A	No detection
 Id:564 -A	No recent data
 Id:561 -B	No detection
 Id:497 -B	No detection
 Id:497 -A	No recent data
 Id:2406	No detection
 Id:2405	No detection
 Id:2404	No detection
 Id:2378	No detection
 Id:2374	No recent data
 Id:2373	No detection
 Id:2369	No detection
 Id:2360	No recent data
 Id:2358	No detection
 Id:2356	No detection
 Id:2354	No detection
 Id:2353	No detection
 Id:2347	No detection
 Id:2346	No detection
 Id:2326	No detection
 Id:2325	No detection
 Id:2293	No detection
 Id:2288	No detection
 Id:2270	No recent data
 Id:2267	No recent data
 Id:2263	No detection
 Id:2261	No recent data
 Id:2208	No detection
 Id:2207	No detection
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 Id:2109	No detection
 Id:2107	No detection
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 Id:2037	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:2002	No detection
 Id:1992	No detection
 Id:1990	No detection
 Id:1989	No detection
 Id:1963	No recent data
 Id:1948	No detection
 Id:1947	No detection
 Id:1946	No detection
 Id:1918	No recent data
 Id:1870	No detection
 Id:1867	No detection
 Id:1866	No detection
 Id:1839	No detection
 Id:1838	No recent data
 Id:1832	No recent data
 Id:1830	No recent data
 Id:1828	No recent data
 Id:1827	No recent data
 Id:1441	No recent data
 Id:1269	No recent data

Location ▲	Detection Classification
 Id:663	No recent data
 Id:539	No recent data
 Id:363	Intermittent detection
 Id:305	No detection
 Id:1822 -B	No detection
 Id:1822 -A	No recent data
 Id:1812	No detection
 Id:1811	No detection
 Id:1810	No detection
 Id:1807	No detection
 Id:1792	No detection
 Id:1790	No detection
 Id:1789	No detection
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 Id:1778	No detection
 Id:1765	No detection
 Id:1764	No detection
 Id:1762	No detection
 Id:1761	No detection
 Id:1753	No recent data
 Id:1752	No recent data
 Id:1742	No detection
 Id:1741	No detection
 Id:1740	No detection
 Id:1739	No detection
 Id:1736	No detection
 Id:487	No recent data
 Id:1735 -B	No detection
 Id:1733	No detection
 Id:1716	No detection
 Id:1710	No detection
 Id:1708	No detection
 Id:1695	No detection
 Id:1685	No detection
 Id:1682	No detection
 Id:1677	No detection
 Id:1675	No detection
 Id:1674	No detection
 Id:1669	No detection
 Id:1667	Intermittent detection
 Id:1661	No recent data
 Id:1660	No recent data
 Id:1655	No recent data
 Id:1561	No recent data
 Id:1545	No recent data
 Id:1464	No recent data
 Id:1454	No recent data
 Id:1448	No recent data
 Id:1395	No recent data
 Id:1383	No recent data
 Id:1371	No detection
 Id:1272	No recent data
 Id:1271	No recent data
 Id:1223	No recent data
 Id:1200	No recent data
 Id:540	No recent data
 Id:1173 -A	No recent data
 Id:1157	No recent data
 Id:1108	No recent data
 Id:1081	No recent data
 Id:892	No recent data
 Id:863	No detection
 Id:807	No recent data

Location ▲	Detection Classification
 Id:806	No recent data
 Id:778	No recent data
 Id:771	No recent data
 Id:768	No recent data
 Id:706	No recent data
 Id:677	No recent data
 Id:667	No recent data
 Id:600	No recent data
 Id:590	No recent data
 Id:566	No recent data
 Id:563	No recent data
 Id:493	No recent data
 Id:421	No recent data
 Id:362	No detection
 Id:220	No detection
 Id:1751 -B	No detection
 Id:1751 -A	No recent data
 Id:1738	No detection
 Id:1737	No detection
 Id:1734	No detection
 Id:1732	No detection
 Id:1720	No detection
 Id:1719	No detection
 Id:1718	No detection
 Id:1717	No detection
 Id:1714	No detection
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 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:1473	No recent data
 Id:1471	No recent data
 Id:1453 -A	No recent data

Location ▲	Detection Classification
☐ Id:1443	No recent data
☐ Id:1352	No recent data
☐ Id:1289	No recent data
☐ Id:1288	No recent data
☐ Id:1262	No recent data
☐ Id:1160	No recent data
☒ Id:684	No detection
☐ Id:666	No recent data
☒ Id:1631 -B	No detection
☐ Id:1631 -A	No recent data
☐ Id:1626	No recent data
☒ Id:1618	No detection
☐ Id:1617	No recent data
☒ Id:1616 -B	No detection
☐ Id:1616 -A	No recent data
☐ Id:1616	No recent data
☐ Id:1615	No recent data
☐ Id:1614	No recent data
☐ Id:1613	No recent data
☒ Id:1607	No detection
☐ Id:1605	No recent data
☐ Id:1593	No recent data
☐ Id:1576	No recent data
☐ Id:1565	No recent data
☒ Id:1560	No detection
☐ Id:1559	No recent data
☐ Id:1558	No recent data
☒ Id:1552 -B	No detection
☐ Id:1552 -A	No recent data
☐ Id:1551	No recent data
☐ Id:1550	No recent data
☐ Id:1549 -A	No recent data
☐ Id:1548	No recent data
☐ Id:1546	No recent data
☐ Id:1544	No recent data
☐ Id:1543	No recent data
☐ Id:1542	No recent data
☐ Id:1541	No recent data
☒ Id:1540 -B	No detection
☐ 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
☐ Id:1497	No recent data
☐ Id:1495	No recent data
☐ Id:1491	No recent data
☐ Id:1490	No recent data
☒ Id:1472	No detection
☐ Id:1463	No recent data
☐ Id:1461	No recent data
☒ Id:1453 -B	No detection
☒ Id:1453	No detection
☒ Id:1452	No detection
☐ Id:1450	No recent data
☐ Id:1449	No recent data
☐ Id:1447	No recent data
☒ Id:1446	No detection
☐ Id:1445	No recent data
☐ Id:1444	No recent data
☐ Id:1440	No recent data
☐ Id:1411	No recent data
☒ Id:1410 -B	No detection
☐ Id:1410 -A	No recent data
☐ Id:1409	No recent data

Location ▲	Detection Classification
☐ 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:1378	No detection
☐ Id:1353	No recent data
☐ Id:1350	No recent data
☐ Id:1349	No recent data
☐ Id:1348	No recent data
☐ Id:1338	No recent data
☐ Id:1337	No recent data
☐ Id:1334	No recent data
☐ Id:1333	No recent data
☐ Id:1330	No recent data
☐ Id:1327	No recent data
☒ Id:1322	No detection
☐ Id:1319	No recent data
☐ Id:1318	No recent data
☐ Id:1317	No recent data
☒ Id:1314	No detection
☐ Id:1305	No recent data
☐ Id:1285	No recent data
☐ Id:1283	No recent data
☐ Id:1270	No recent data
☐ Id:1268	No recent data
☐ Id:1260	No recent data
☐ Id:1259	No recent data
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☐ Id:1188	No recent data
☐ Id:1181	No recent data
☐ Id:1180	No recent data
☐ Id:1179	No recent data
☐ Id:1177	No recent data
☒ Id:1165 -B	No detection
☐ Id:1162	No recent data
☐ Id:1161	No recent data
☐ Id:1159	No recent data
☐ Id:1141	No recent data
☐ Id:1113	No recent data
☐ Id:1084	No recent data
☐ Id:847	No recent data
☐ Id:832	No recent data
☒ Id:813	No detection
☐ Id:811	No recent data
☐ Id:810	No recent data
☐ Id:805	No recent data
☐ Id:792	No recent data
☐ Id:787	No recent data
☒ Id:770	No detection
☐ Id:716	No recent data
☐ Id:715	No recent data
☐ Id:710	No recent data
☐ Id:681	No recent data
☐ Id:678	No recent data
☐ Id:562	No recent data
☐ Id:560	No recent data
☐ Id:550	No recent data
☐ Id:547	No recent data
☐ Id:545	No recent data
☐ Id:496	No recent data
☐ Id:492	No recent data

Location	Detection Classification
Id:486	No recent data
Id:476	No recent data
Id:475	No recent data
Id:464	No recent data
Id:402	No recent data
Id:181	No recent data
Id:1323 -B	No detection
Id:1323 -A	No recent data
Id:1320	No recent data
Id:1304	No recent data
Id:1303	No recent data
Id:1302	No recent data
Id:1300	No recent data
Id:1299	No recent data
Id:1293 -B	No detection
Id:1293 -A	No recent data
Id:1292	No recent data
Id:1291	No recent data
Id:1284	No recent data
Id:1282	No recent data
Id:1278	No recent data
Id:1277	No recent data
Id:1275	No recent data
Id:1273	No recent data
Id:1267	No recent data
Id:1266	No recent data
Id:1265	No recent data
Id:1264	No recent data
Id:1261	No recent data
Id:1231 -B	No detection
Id:1231 -A	No recent data
Id:1224	No recent data
Id:1221 -A	No recent data
Id:1220	No recent data
Id:1219	No detection
Id:1218	No recent data
Id:1211	No recent data
Id:1210	No recent data
Id:1208 -B	No detection
Id:1208 -A	No recent data
Id:1206	No recent data
Id:1205	No recent data
Id:767	No recent data
Id:1204 -A	No recent data
Id:1203 -B	No detection
Id:1198	No recent data
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Id:1148	No recent data
Id:1142	No recent data
Id:1140	No recent data
Id:1139	No recent data
Id:1134	No recent data
Id:1116	No recent data
Id:1107	No recent data
Id:1083	No recent data
Id:1079	No recent data
Id:854	No detection
Id:849	No recent data
Id:848	No recent data
Id:833	No recent data

Location ▲	Detection Classification
 Id:831	No recent data
 Id:808	No recent data
 Id:804	No recent data
 Id:803	No recent data
 Id:795	No recent data
 Id:793	No recent data
 Id:788	No detection
 Id:783	No recent data
 Id:777	No recent data
 Id:764	No recent data
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 Id:548	No recent data
 Id:546	No recent data
 Id:544	No recent data
 Id:541	No recent data
 Id:537	No recent data
 Id:536	No detection
 Id:534	No recent data
 Id:511	No recent data
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 Id:507	No recent data
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 Id:505	No recent data
 Id:503	No recent data
 Id:501	No recent data
 Id:500	No recent data
 Id:499	No recent data
 Id:498	No recent data
 Id:495	No recent data
 Id:494	No detection
 Id:485	No recent data
 Id:484	No recent data
 Id:472	No recent data
 Id:470	No recent data
 Id:462	No recent data
 Id:461	No recent data
 Id:454	No recent data
 Id:446	No recent data
 Id:393	No detection
 Id:383	Intermittent detection
 Id:353	No detection
 Id:352	No detection
 Id:347	No recent data

Location	Detection Classification
● Id:342	No recent data
● Id:291	No recent data
● Id:285	No recent data
● Id:188	No recent data
● Id:180	No recent data
● Id:178	No recent data
● Id:177	No recent data
● Id:1387 -B	No detection
● Id:125	No recent data
● Id:1221 -B	No detection
● Id:1204 -B	No detection
● Id:1203 -A	No recent data
● Id:1173 -B	No detection
● Id:1172 -B	Intermittent detection
● Id:1172 -A	No recent data
● Id:1165 -A	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	Intermittent detection
● Id:1080 -A	No recent data
● Id:105	No detection

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.