



# Mpox

## U.S. Wastewater Data

Updated May 24, 2023



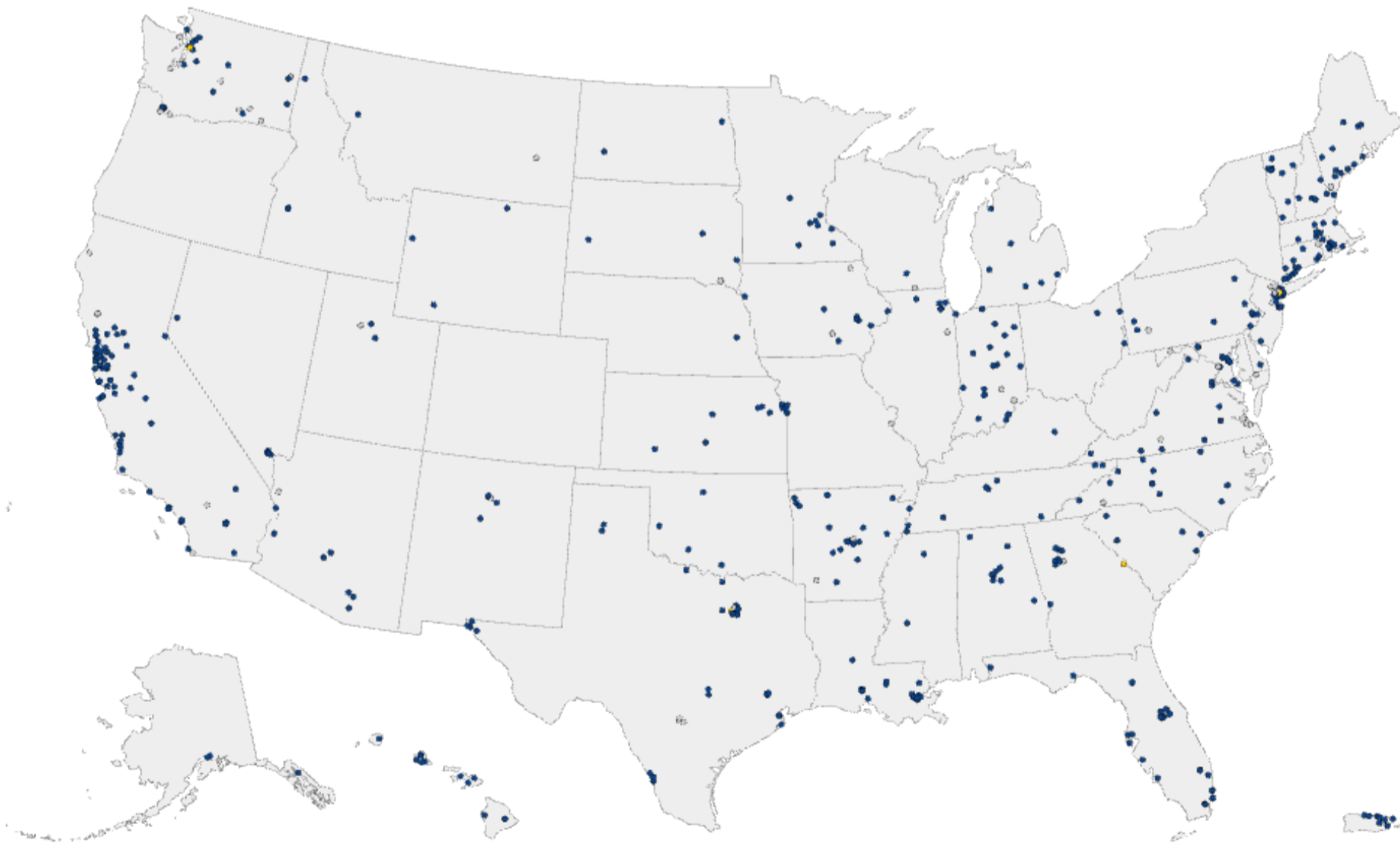
**NATIONAL™  
WASTEWATER  
SURVEILLANCE  
SYSTEM**

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

<p><b>Consistent detection</b></p> <p>1 site (0%)</p>	<p><b>Intermittent detection</b></p> <p>6 sites (1%)</p>	<p><b>No detection</b></p> <p>469 sites (88%)</p>	<p><b>No recent data</b></p> <p>58 sites (11%)</p>
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Note: Click on a state to zoom in.



**Legend**

<input type="radio"/> Consistent detection	<input type="radio"/> Intermittent detection
<input type="radio"/> No detection	<input type="radio"/> 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
<input type="radio"/> 65	No detection
<input type="radio"/> 76	No detection
<input type="radio"/> 105	No detection
<input type="radio"/> 125	No detection
<input type="radio"/> 188	No detection
<input type="radio"/> 220	No detection
<input type="radio"/> 285	No detection
<input type="radio"/> 291	No detection
<input type="radio"/> 305	No detection
<input type="radio"/> 347	No detection
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<input type="radio"/> 393	No detection
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<input type="radio"/> 464	No detection
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<input type="radio"/> 475	No detection
<input type="radio"/> 476	Intermittent detection

Location	Detection Classification
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<input type="radio"/> 671 -A	No detection
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<input type="radio"/> 681	No detection
<input type="radio"/> 682	No detection
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Location	Detection Classification
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<input type="radio"/> 767	No detection
<input type="radio"/> 768	No detection
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<input type="radio"/> 787	No detection
<input type="radio"/> 788 -B	No detection
<input type="radio"/> 788 -A	No recent data
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<input type="radio"/> 792	No detection
<input type="radio"/> 793	No detection
<input type="radio"/> 795	No recent data
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<input type="radio"/> 802 -A	No detection
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<input type="radio"/> 803	No detection
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<input type="radio"/> 806	No detection

Location	Detection Classification
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<input type="radio"/> 835	No detection
<input type="radio"/> 847	No recent data
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<input type="radio"/> 854	No recent data
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<input type="radio"/> 865 -B	No detection
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<input type="radio"/> 1079	No detection
<input type="radio"/> 1080 -A	No detection
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<input type="radio"/> 1107	No detection
<input type="radio"/> 1108	No detection
<input type="radio"/> 1113	No recent data
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<input type="radio"/> 1131 -A	No detection
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<input type="radio"/> 1134	No detection
<input type="radio"/> 1139	No detection
<input type="radio"/> 1140	No detection
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Location	Detection Classification
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<input type="radio"/> 1148	No detection
<input type="radio"/> 1157	No detection
<input type="radio"/> 1158	No detection
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<input type="radio"/> 1162	No detection
<input type="radio"/> 1163	No detection
<input type="radio"/> 1165 -B	No detection
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<input type="radio"/> 1206	No detection
<input type="radio"/> 1208	No detection
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Location	Detection Classification
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<input type="radio"/> 1270	No recent data
<input type="radio"/> 1271	No detection
<input type="radio"/> 1272	No recent data
<input type="radio"/> 1273	No detection
<input type="radio"/> 1275	No recent data
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<input type="radio"/> 1278	No detection
<input type="radio"/> 1281	No detection
<input type="radio"/> 1282	No detection
<input type="radio"/> 1283	No detection
<input type="radio"/> 1284	No detection
<input type="radio"/> 1285	No detection
<input type="radio"/> 1288	No detection
<input type="radio"/> 1289	No detection
<input type="radio"/> 1291	No recent data
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<input type="radio"/> 1293 -B	No detection
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<input type="radio"/> 1299	No detection
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<input type="radio"/> 1320	No detection
<input type="radio"/> 1322	No detection
<input type="radio"/> 1323	No detection
<input type="radio"/> 1327	No recent data



Location	Detection Classification
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<input type="radio"/> 1334	No recent data
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<input type="radio"/> 1349	No recent data
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<input type="radio"/> 1384	No detection
<input type="radio"/> 1385	No recent data
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<input type="radio"/> 1387 -A	No detection
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<input type="radio"/> 1392	No detection
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<input type="radio"/> 1394	No detection
<input type="radio"/> 1395	No detection
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Location	Detection Classification
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<input type="radio"/> 1473	No recent data
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Location	Detection Classification
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Location	Detection Classification
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<input type="radio"/> 1742	No detection
<input type="radio"/> 1751 -A	No detection
<input type="radio"/> 1751 -B	No detection
<input type="radio"/> 1752	No detection

Location	Detection Classification
<input type="radio"/> 1753	No detection
<input type="radio"/> 1755	No detection
<input type="radio"/> 1757	No recent data
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<input type="radio"/> 1812	No detection
<input type="radio"/> 1813	No detection
<input type="radio"/> 1822 -B	No detection
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<input type="radio"/> 1839	No detection
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<input type="radio"/> 1918	No detection
<input type="radio"/> 1930	No detection
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<input type="radio"/> 1948	No detection
<input type="radio"/> 1949	No detection
<input type="radio"/> 1989	No detection

Location	Detection Classification
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<input type="radio"/> 2003	No detection
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<input type="radio"/> 2041	No detection
<input type="radio"/> 2042	No detection
<input type="radio"/> 2043	No recent data
<input type="radio"/> 2044	No detection
<input type="radio"/> 2077	No detection
<input type="radio"/> 2104	No recent data
<input type="radio"/> 2105	No detection
<input type="radio"/> 2107	No detection
<input type="radio"/> 2109	No detection
<input type="radio"/> 2123	No detection
<input type="radio"/> 2171	No detection
<input type="radio"/> 2207	No detection
<input type="radio"/> 2208	No detection
<input type="radio"/> 2222	No detection
<input type="radio"/> 2263	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.

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