



# Mpox

## U.S. Wastewater Data

Updated August 9, 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

**Consistent detection**

0 sites (0%)

**Intermittent detection**

8 sites (1%)

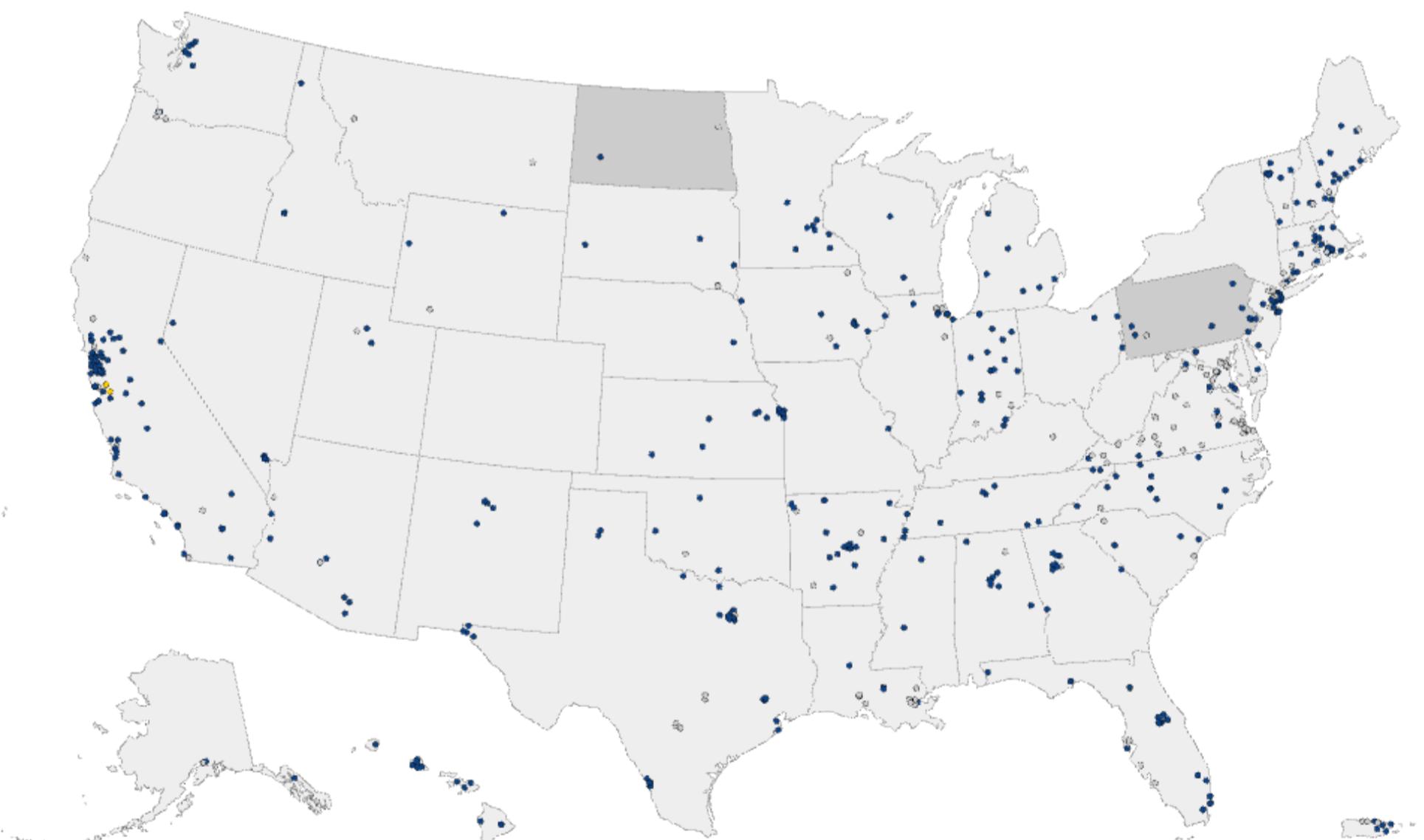
**No detection**

436 sites (70%)

**No recent data**

177 sites (29%)

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
38	No recent data
42	No recent data
61	No recent data
65	No detection
76	No detection
105	No detection
125	No detection
177	No recent data
178	No recent data
180	No recent data
181	No recent data
188	No detection
220	No detection
285	No detection
291	No detection
305	No detection
342	No recent data
347	No detection
352	Intermittent detection
353	No detection
362	No detection
363	No detection
383	No detection
393	No detection
402	No detection
421	No detection

Location	Detection Classification
○ 446	No detection
○ 454	No recent data
○ 461	No recent data
○ 462	No detection
○ 464	No detection
○ 470	No detection
○ 472	No detection
○ 475	No detection
○ 476	No detection
○ 484	No detection
○ 485	No detection
○ 486	No detection
○ 487	No detection
○ 492	No recent data
○ 493	No detection
○ 494	No detection
○ 495	No detection
○ 496	No detection
○ 497 -B	No detection
○ 497 -A	No recent data
○ 498	No detection
○ 499	No detection
○ 500	No detection
○ 501	No detection
○ 503	No detection
○ 505	No detection
○ 506	No detection
○ 507	No detection
○ 509	No detection
○ 510	No detection
○ 511	No recent data
○ 534	No recent data
○ 536	No detection
○ 537	No detection
○ 539	No detection
○ 540	No detection
○ 541	No detection
○ 544	No detection
○ 545	No detection
○ 546	No recent data
○ 547	No recent data
○ 548	No detection
○ 549	No detection
○ 550	No detection

Location	Detection Classification
○ 551	No detection
○ 552	No detection
○ 553	No detection
○ 554	No detection
○ 555	No detection
○ 560	No detection
○ 561 -A	No detection
○ 561 -B	No detection
○ 562	No recent data
○ 563	No recent data
○ 564 -A	No detection
○ 564 -B	No detection
○ 565	No detection
○ 566	No detection
○ 569 -A	No detection
○ 569 -B	No detection
○ 570 -B	No detection
○ 570 -A	No detection
○ 574	No detection
○ 575	No detection
○ 590	No detection
○ 593	No recent data
○ 599	No recent data
○ 600	No detection
○ 635 -U2	No detection
○ 635 -U1	No detection
○ 635 -U3	No detection
○ 661	No detection
○ 663	No detection
○ 666	No recent data
○ 667	No detection
○ 668 -B	No detection
○ 668 -A	No detection
○ 669 -B	No detection
○ 669 -A	No detection
○ 670 -B	No detection
○ 670 -A	No detection
○ 671 -B	No detection
○ 671 -A	No detection
○ 672	No detection
○ 673	No detection
○ 674 -U1	Intermittent detection
○ 674 -U2	Intermittent detection
○ 674 -U3	No detection

Location	Detection Classification
○ 675 -U5	No detection
○ 675 -U1	Intermittent detection
○ 675 -U4	Intermittent detection
○ 675 -U3	No detection
○ 675 -U2	No detection
○ 676	No detection
○ 677	No detection
○ 678	No recent data
○ 679	No detection
○ 681	No detection
○ 682	No recent data
○ 683	No recent data
○ 684	No recent data
○ 686	No recent data
○ 701	No recent data
○ 703	No detection
○ 706	No detection
○ 709	No detection
○ 710	No detection
○ 711 -B	No detection
○ 711 -A	No detection
○ 715	No detection
○ 716	No detection
○ 724	No detection
○ 727	No detection
○ 741	No detection
○ 763 -B	No detection
○ 763 -A	No detection
○ 764	No detection
○ 765	No detection
○ 767	No detection
○ 768	No detection
○ 769	No recent data
○ 770	No detection
○ 771	No recent data
○ 772 -B	No detection
○ 772 -A	No detection
○ 777	No detection
○ 778	No recent data
○ 779 -A	No detection
○ 779 -B	No detection
○ 781 -B	No detection
○ 781 -A	No detection
○ 783	No detection

Location	Detection Classification
○ 784	No recent data
○ 787	No detection
○ 788 -B	No detection
○ 788 -A	No recent data
○ 790	No detection
○ 792	No detection
○ 793	No detection
○ 795	No recent data
○ 798	No detection
○ 802 -A	No detection
○ 802 -B	No detection
○ 803	No detection
○ 804	No recent data
○ 805	No detection
○ 806	No recent data
○ 807	No detection
○ 808	No detection
○ 810	No recent data
○ 811	No recent data
○ 813	No detection
○ 828 -B	No detection
○ 828 -A	No detection
○ 831	No detection
○ 832	No recent data
○ 833	No detection
○ 834 -B	No detection
○ 834 -A	No detection
○ 835	No detection
○ 847	No recent data
○ 848	No recent data
○ 849	No detection
○ 853	No detection
○ 854	No detection
○ 863	No detection
○ 865 -A	No detection
○ 865 -B	No detection
○ 867 -B	No detection
○ 867 -A	No detection
○ 892	No detection
○ 993	No detection
○ Lawrence	No detection
○ 1080 -A	No recent data
○ 1080 -B	No detection
○ Lee	No detection

Location	Detection Classification
○ 1082 -B	No detection
○ 1082 -A	No detection
○ Limestone	No detection
○ 01084	No recent data
○ Pickens	No detection
○ 01108	No detection
○ Russell	No recent data
○ 01116	No detection
○ 1131 -A	No recent data
○ 1131 -B	No recent data
○ 01134	No detection
○ 01139	No detection
○ 01140	No recent data
○ 01141	No recent data
○ 01142	No detection
○ 01148	No detection
○ 01157	No detection
○ 01158	No detection
○ 01159	No detection
○ 01160	No detection
○ 01161	No detection
○ 01162	No detection
○ 01163	No detection
○ 1165 -B	No detection
○ 1165 -A	No recent data
○ 1172 -B	No detection
○ 1172 -A	No recent data
○ 1173 -B	No detection
○ 1173 -A	No detection
○ 01175	No detection
○ 01176	No recent data
○ 01177	No detection
○ 01179	No detection
○ 01180	No detection
○ 01181	No detection
○ 01195	No recent data
○ 01196	No detection
○ 01197	No recent data
○ 01198	No detection
○ 01199	No detection
○ 01200	No recent data
○ 01202	No detection
○ 01203	No detection
○ 01204	No detection

Location	Detection Classification
01205	No detection
01206	No recent data
01208	No detection
01210	No detection
01211	No recent data
01218	No detection
01219	No recent data
01220	No detection
1221 -B	No detection
1221 -A	No detection
01223	No detection
01224	No recent data
01229	No detection
01230	No detection
01231	No detection
01237	No recent data
01259	No recent data
01260	No recent data
01261	No recent data
01262	No recent data
01264	No detection
01265	No recent data
01266	No detection
01267	No detection
01268	No recent data
01269	No detection
01270	No recent data
01271	No detection
01272	No recent data
01273	No recent data
01275	No recent data
01277	No detection
01278	No recent data
01281	No detection
01282	No detection
01283	No detection
01284	No recent data
01285	No recent data
01288	No detection
01289	No detection
01291	No recent data
01292	No detection
1293 -B	No detection
1293 -A	No detection

Location	Detection Classification
01299	No detection
01300	No detection
01302	No detection
01303	No detection
01304	No detection
01305	No detection
01311	No detection
01314	No detection
01317	No recent data
01318	No detection
01319	No detection
01320	No detection
01322	No detection
01323	No detection
01327	No recent data
01329	No detection
01330	No detection
01333	No detection
01334	No recent data
01337	No detection
01338	No recent data
01348	No detection
01349	No recent data
01350	No detection
01352	No recent data
01353	No detection
01371	No detection
01378	No detection
01382	No detection
01383	No detection
01384	No detection
01385	No recent data
01386	No detection
1387 -A	No detection
1387 -B	No detection
01388	No detection
01392	No recent data
01393	No detection
01394	No detection
01395	No recent data
01408	No detection
01409	No recent data
1410 -B	No detection
1410 -A	No detection

Location	Detection Classification
01411	No detection
01440	No detection
01441	No detection
01442	No detection
01443	No detection
01444	No detection
01445	No detection
01446	No detection
01447	No recent data
01448	No detection
01449	No recent data
01450	No detection
01452	No detection
1453 -A	No recent data
1453 -B	No detection
01454	No detection
01461	No detection
01462	No detection
01463	No recent data
01464	No detection
01465	No recent data
01471	No detection
01472	No detection
01473	No recent data
01490	No recent data
01491	No detection
01494	No detection
01495	No recent data
01496	No recent data
01497	No recent data
01501	No detection
01502	Intermittent detection
01508	No detection
01509	No recent data
01536	No detection
01537	No detection
01539	No detection
1540 -B	No detection
1540 -A	No detection
01541	No detection
01542	No detection
01543	No detection
01544	No detection
01545	No detection

Location	Detection Classification
01546	No detection
01548	No detection
1549 -A	No recent data
01550	No detection
01551	No detection
01552	No detection
01558	No recent data
01559	No detection
01560	No detection
01561	No detection
01565	No detection
01576	No recent data
01593	No detection
01605	No recent data
01606	No recent data
01607	No detection
01613	No recent data
01614	No recent data
01615	No recent data
1616 -A	No recent data
1616 -B	No detection
01617	No detection
01618	No detection
01626	No recent data
1631 -A	No detection
1631 -B	No detection
01632	No recent data
01633	No recent data
01648	No detection
01649	No detection
01650	No recent data
01651	No recent data
01652	No recent data
01653	No recent data
01655	No recent data
01656	No recent data
01657	No detection
01658	No detection
01659	No recent data
01660	No detection
01661	No recent data
01662	No detection
01663	No detection
01664	No detection

Location	Detection Classification
01665	No detection
01666	No detection
01667	No detection
01669	No detection
01671	No detection
01672	No detection
01673	No detection
01674	No detection
01675	No detection
01676	No detection
01677	No detection
01682	No detection
01684	No detection
01685	No detection
01687	No recent data
01688	No detection
01689	No detection
01690	No detection
01691	No detection
01692	No detection
01693	No detection
01695	No detection
01696	No detection
01697	No detection
01698	No detection
01701	No detection
01703	No detection
01706	No detection
01708	No detection
01709	No detection
01710	No detection
01711	No detection
01712	No detection
01713	No detection
01714	No detection
01716	No detection
01717	No detection
01718	No detection
01719	No detection
01720	No detection
01721	No detection
01732	No detection
01733	No detection
01734	No detection

Location	Detection Classification
○ 1735 -B	No detection
○ 01736	No detection
○ 01737	No detection
○ 01738	No detection
○ 01739	No detection
○ 01740	No detection
○ 01741	No detection
○ 01742	No detection
○ 1751 -A	No detection
○ 1751 -B	No detection
○ 01752	No detection
○ 01753	No recent data
○ 01755	No detection
○ 01759	No recent data
○ 01760	No detection
○ 01761	No detection
○ 01762	No detection
○ 01764	No detection
○ 01765	No detection
○ 01766	No detection
○ 01778	No recent data
○ 01779	No detection
○ 01780	No detection
○ 01781	No detection
○ 01783	No detection
○ 01784	No detection
○ 01785	No recent data
○ 01786	No detection
○ 01789	No detection
○ 01790	No detection
○ 01791	No detection
○ 01792	No detection
○ 01793	No detection
○ 01807	No detection
○ 01808	No detection
○ 01810	No detection
○ 01811	No detection
○ 01812	No detection
○ 01813	No detection
○ 1822 -B	No detection
○ 1822 -A	No detection
○ 01826	No recent data
○ 01827	No recent data
○ 01828	No recent data

Location	Detection Classification
01829	No recent data
01830	No recent data
01831	No recent data
01832	No recent data
01833	No recent data
01834	No recent data
01837	No recent data
01838	No recent data
01839	No detection
01842	No detection
01866	No detection
01867	No detection
01869	No detection
01870	No detection
01918	No detection
01930	No detection
01946	Intermittent detection
01947	No detection
01948	No detection
01949	No detection
01963	No recent data
01985	No recent data
01989	No detection
01990	No detection
01992	No detection
02002	No detection
02003	No recent data
02008	No detection
02029	No recent data
02030	No detection
02031	No detection
02032	No detection
02034	No recent data
02035	No recent data
02036	No recent data
02037	No recent data
02040	No detection
02041	No detection
02042	No detection
02043	No detection
02044	No detection
02077	No recent data
02078	No recent data
02079	No recent data

Location	Detection Classification
02107	No detection
02109	No detection
02123	No detection
02171	No detection
02207	No detection
02208	No detection
02222	No detection
Valdez-Cordova Ca	No detection
02263	No detection
02267	No detection
Wade Hampton	No recent data
02271	No detection
02288	No detection
Yukon-Koyukuk Ca	No recent data
02293	No detection
02297	No detection
02298	No detection
02299	No detection
02300	No recent data
02301	No detection
02302	No detection
02325	Intermittent detection
02326	No detection
02327	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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