



# Mpox

## U.S. Wastewater Data

Updated July 26, 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**

6 sites (1%)

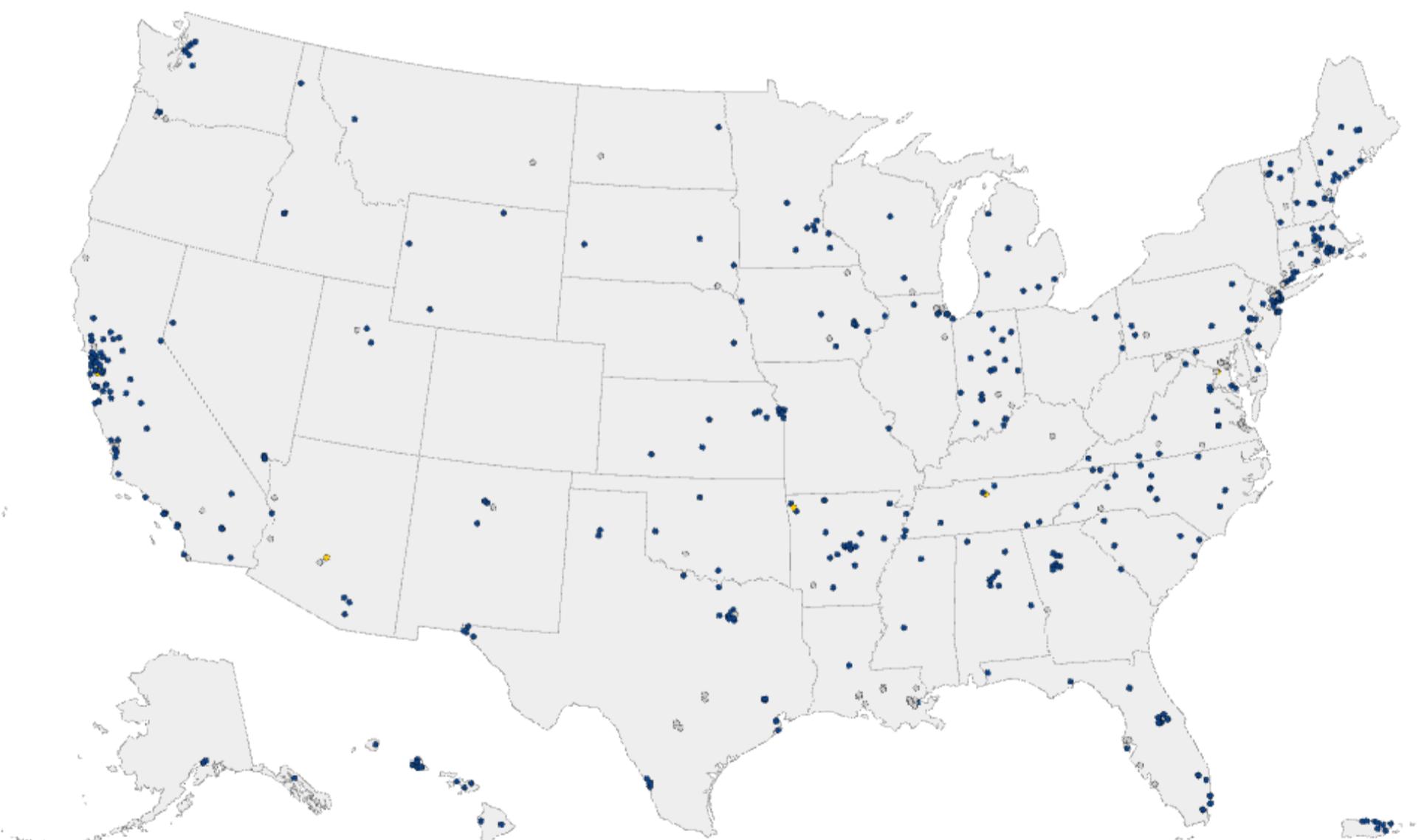
**No detection**

443 sites (81%)

**No recent data**

97 sites (18%)

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
65	No detection
76	No detection
105	No detection
125	No detection
188	No detection
220	No detection
285	No detection
291	No detection
305	Intermittent detection
347	No detection
352	No detection
353	No detection
362	No detection
363	No detection
383	No detection
393	No detection
402	No detection
421	No detection
446	No detection
461	No recent data
462	No detection
464	No detection
470	No detection
472	No detection
475	No detection
476	No detection

Location	Detection Classification
○ 484	No detection
○ 485	No detection
○ 486	Intermittent detection
○ 487	No detection
○ 492	No recent data
○ 493	No detection
○ 494	No detection
○ 495	No detection
○ 496	No detection
○ 498	No detection
○ 499	No detection
○ 500	No detection
○ 501	No recent data
○ 503	No detection
○ 505	No detection
○ 506	No detection
○ 507	No detection
○ 509	No detection
○ 510	No detection
○ 511	No recent data
○ 534	No detection
○ 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
○ 551	No detection
○ 552	No detection
○ 553	No detection
○ 554	No detection
○ 555	No detection
○ 560	No detection
○ 562	No detection
○ 563	No recent data
○ 565	No detection
○ 566	No detection
○ 574	No detection

Location	Detection Classification
○ 575	No detection
○ 590	No detection
○ 593	No detection
○ 599	No recent data
○ 600	No detection
○ 661	No detection
○ 663	No detection
○ 666	No recent data
○ 667	No detection
○ 672	No detection
○ 673	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 detection
○ 686	No recent data
○ 701	No recent data
○ 703	No detection
○ 706	No detection
○ 709	No detection
○ 710	No detection
○ 715	No detection
○ 716	No detection
○ 724	No detection
○ 727	No detection
○ 741	No detection
○ 764	No detection
○ 765	No detection
○ 767	No detection
○ 768	No detection
○ 769	No recent data
○ 770	No detection
○ 771	No detection
○ 777	No recent data
○ 778	No recent data
○ 783	No detection
○ 784	No recent data
○ 787	No detection
○ 790	No detection
○ 792	No detection

Location	Detection Classification
○ 793	No detection
○ 795	No recent data
○ 798	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
○ 831	No detection
○ 832	No recent data
○ 833	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
○ 892	No detection
○ 993	No detection
○ 01669	No detection
○ 01807	No detection
○ 865 -A	No detection
○ 01272	No recent data
○ 01685	No detection
○ 865 -B	No detection
○ 01271	No detection
○ 01371	No detection
○ 01752	No detection
○ 635 -U2	No detection
○ Lee	No detection
○ 01157	No detection
○ 01655	No detection
○ 01947	No detection
○ 01677	No detection
○ 01464	No detection
○ 01739	No detection
○ 02107	No detection
○ 01448	No detection
○ 01740	No detection

Location	Detection Classification
01741	No detection
01223	No detection
01561	No detection
01918	No detection
01395	No detection
1410 -B	No detection
01544	No detection
1751 -A	No detection
01946	No detection
02300	No detection
01558	No recent data
01706	No detection
01134	No detection
01261	No recent data
01302	No detection
01502	No detection
01291	No recent data
01710	No detection
01648	No detection
01736	No detection
01867	No detection
1549 -A	No detection
01617	No detection
01671	No detection
570 -B	No detection
01266	No detection
01785	No recent data
01277	No detection
01445	No detection
01552	No detection
01742	No detection
02002	No detection
497 -B	No detection
867 -B	No detection
01116	No recent data
01330	No detection
1631 -A	No detection
01811	No detection
02031	No detection
01142	No detection
01713	No detection
01762	No detection
675 -U4	No detection
Limestone	No detection

Location	Detection Classification
01780	No detection
01761	No detection
674 -U3	No detection
01160	No detection
01262	No recent data
01289	No detection
01352	No recent data
1453 -A	No recent data
01471	No recent data
01712	No detection
01443	No detection
01666	No detection
01711	No detection
01839	No detection
01473	No recent data
01778	No detection
01288	No detection
01267	No detection
01786	No detection
01989	No detection
01672	No detection
670 -B	No detection
772 -B	No detection
01284	No recent data
675 -U1	No detection
828 -B	No detection
01176	No recent data
01348	No detection
02008	No detection
02123	No detection
1172 -B	No detection
01327	No recent data
01689	No detection
01353	No detection
01764	No detection
01992	No detection
Wade Hampton	No detection
01659	No recent data
01665	No detection
01273	No detection
01300	No detection
01698	No detection
01963	No recent data
02267	No recent data

Location	Detection Classification
02302	No detection
01198	No detection
674 -U2	No detection
01392	No recent data
01687	No recent data
867 -A	No detection
01175	No detection
01264	No detection
01350	No detection
01607	No detection
01792	No detection
635 -U1	No detection
01282	Intermittent detection
01265	No detection
01633	No recent data
01463	No detection
01676	No detection
01673	No detection
1082 -B	No detection
1616 -A	No recent data
01789	No detection
01303	No detection
02207	No detection
02325	No detection
01158	No detection
01206	No recent data
01446	No detection
01866	No detection
497 -A	No detection
788 -B	No detection
01657	No detection
01195	No recent data
01394	No detection
01692	No detection
02032	No detection
01501	No detection
Lawrence	No detection
01323	No detection
01461	No detection
01701	No detection
01720	No detection
564 -A	No detection
01693	No detection
671 -B	No detection

Location	Detection Classification
○ Pickens	No recent data
○ 1221 -B	No recent data
○ 02043	No detection
○ 01196	No detection
○ 01197	No recent data
○ 02109	No detection
○ 834 -B	No detection
○ 1082 -A	No detection
○ 01349	No recent data
○ 01618	No detection
○ 01664	No detection
○ 01304	No recent data
○ 01551	No detection
○ 1131 -A	No recent data
○ 01714	No recent data
○ 02326	No detection
○ 01509	No detection
○ 01565	No detection
○ 01218	No detection
○ 01447	No recent data
○ 01765	No detection
○ 01220	No detection
○ 1293 -B	No detection
○ 01440	No detection
○ 01615	No recent data
○ 1822 -B	No detection
○ 1387 -A	No detection
○ 01948	No detection
○ 01231	No detection
○ 01536	No detection
○ 02293	No detection
○ 01148	No detection
○ 01224	No detection
○ 569 -A	No recent data
○ 1540 -B	No detection
○ 01990	No detection
○ 01219	No detection
○ 01386	No detection
○ 01870	No detection
○ 02030	No detection
○ 02298	No detection
○ 1172 -A	No detection
○ 01810	No detection
○ 01812	No detection

Location	Detection Classification
01537	No detection
01320	No detection
01688	No detection
669 -B	No detection
1131 -B	No recent data
01626	No recent data
802 -A	No detection
01211	No recent data
01541	No detection
01753	No recent data
828 -A	No detection
01299	No detection
01449	No recent data
01709	No detection
01652	No recent data
01717	No detection
01719	No detection
02003	No recent data
01650	No recent data
1293 -A	No detection
01808	No detection
02171	No detection
01259	No detection
01385	No recent data
01703	No detection
01162	No detection
01548	No detection
01662	No detection
01781	No detection
675 -U2	No detection
01177	No recent data
01270	No recent data
564 -B	No detection
01314	No detection
01497	No recent data
01658	No detection
01783	No detection
01283	No detection
01605	No recent data
01759	No recent data
01161	No detection
1453 -B	No detection
788 -A	No recent data
01542	No detection

Location	Detection Classification
01202	No detection
01411	No detection
01560	No detection
01333	No detection
01338	No recent data
01408	No detection
01409	No recent data
668 -B	No detection
01450	No detection
711 -B	No detection
01260	No recent data
01614	No recent data
01732	No detection
02271	No detection
1173 -B	No detection
01550	No detection
569 -B	No detection
670 -A	No detection
01208	No detection
01285	No recent data
01546	No detection
Russell	No recent data
01949	No detection
763 -B	No detection
01180	No detection
674 -U1	Intermittent detection
01649	No detection
01305	No detection
01393	No detection
01718	No detection
01084	No detection
01181	No detection
01382	Intermittent detection
01813	No detection
01140	No recent data
01734	No detection
01930	No detection
01317	No detection
01318	No detection
1080 -A	No recent data
01179	No detection
01539	No detection
01842	No detection
01204	No detection

Location	Detection Classification
01613	No recent data
779 -A	No detection
01230	No detection
01543	No detection
01696	No detection
01163	No detection
01663	No detection
01737	No detection
01319	No detection
01691	No detection
01268	No recent data
01205	No detection
01656	No recent data
01690	No detection
01791	No detection
01159	No detection
01632	No recent data
01322	No detection
01495	No detection
675 -U5	No detection
01141	No recent data
01490	No recent data
675 -U3	No detection
1165 -B	No detection
01653	No detection
02041	No detection
1080 -B	No detection
01388	No detection
01442	No detection
01651	No recent data
01721	No detection
02042	No detection
02297	No detection
01199	No detection
01869	No detection
01329	No detection
01494	No detection
1540 -A	No detection
02222	No detection
570 -A	No detection
1221 -A	No detection
02040	No detection
02077	No detection
01281	No detection

Location	Detection Classification
○ 711 -A	No detection
○ 01465	No detection
○ 781 -B	No detection
○ 01229	No detection
○ 01384	No detection
○ 779 -B	No detection
○ 01462	Intermittent detection
○ 01496	No recent data
○ 671 -A	No detection
○ 668 -A	No detection
○ 01203	No detection
○ 1822 -A	No detection
○ 01210	No detection
○ 01311	No detection
○ 781 -A	No detection
○ 02263	No detection
○ 02299	No detection
○ 01378	No detection
○ 01278	No recent data
○ 01606	No recent data
○ 01684	No detection
○ 01738	No detection
○ 01793	No detection
○ 01508	No detection
○ 01697	No detection
○ 01766	No detection
○ 01779	No detection
○ 01269	No detection
○ 01441	No detection
○ 1387 -B	No detection
○ 01760	No detection
○ 01784	No detection
○ 561 -A	No detection
○ 01559	No detection
○ 1631 -B	No detection
○ 02044	No detection
○ 01292	No detection
○ Valdez-Cordova Ca	No recent data
○ 01383	No detection
○ 01661	No detection
○ 01682	No detection
○ 02301	No detection
○ 01108	No detection
○ 01695	No detection

Location	Detection Classification
01454	No detection
1173 -A	No detection
01667	No detection
01139	No detection
01708	No detection
635 -U3	No detection
01275	No recent data
02288	No detection
763 -A	No detection
1751 -B	No detection
01200	No recent data
01675	No detection
01790	No detection
02208	No detection
772 -A	No detection
01545	No detection
01337	No detection
01716	No detection
669 -A	No detection
01472	No detection
1616 -B	No detection
1165 -A	No recent data
01660	No detection
01733	No detection
1735 -B	No detection
01444	No detection
01452	No detection
01755	No detection
834 -A	No detection
01334	No recent data
01491	No detection
802 -B	No detection
1410 -A	No detection
01593	No detection
01674	No detection
561 -B	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.

---