U.S. Wastewater Data

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Print

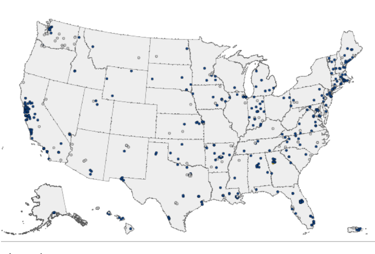
NATIONAL WASTEWATER SURVEILLANCE SYSTEM (NWSS)

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%)	1 site (0%)	369 sites (67%)	180 sites (33%)

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
65	No detection
76	No detection
105	No detection
125	No detection
188	No detection
220	No detection
285	No recent data
291	No detection
305	No 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 recent data
475	No detection
476	No detection
484	No detection
485	No recent data
486	No detection
487	No recent data
492	No recent data
493	No detection
494	No detection
495	No detection
496	No detection
498	No recent data
499	No detection
500	No recent data
501	No recent data
503	No recent data
505	No recent data
506	No recent data
507	No recent data
509	No recent data
510	No detection
511	No recent data
534	No detection
536	No recent data
537	No detection
539	No recent data
540	No detection
541	No recent data
544	No recent data
545	No recent data
546	No recent data
547	No detection
548	No detection
549	No recent data
550	No recent data
551	No recent data
552	No recent data
553	No recent data
554	No recent data
555	No detection
560	No detection
562	No detection
563	No recent data
565	No detection
566	No detection
574	No detection
575	No detection
590	No detection
593	No detection
599	No recent data
600	No detection
661	No detection
663	No recent data
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 detection
701	No recent data
703	No recent data
706	No detection
709	No detection
710	No recent data
715	No detection
716	No detection
724	No detection
727	No detection
741	No recent data
753	No recent data
755	No recent data
758	No recent data
759	No recent data
760	No recent data
764	No detection
765	No recent data
767	No detection
768	No detection
769	No detection
770	No detection
771	No detection
777	No recent data
778	No recent data
783	No recent data
784	No recent data
787	No detection
790	No recent data
792	No detection
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 recent data
808	No recent data
810	No recent data
811	No recent data
813	No detection
831	No detection
832	No detection
833	No detection
835	No detection
847	No recent data
848	No recent data
849	No recent data
853	No detection
854	No recent data
863	No detection
892	No detection
993	No detection
01076	No recent data
Lawrence	No recent data
1080 -A	No recent data
1080 -B	No detection
Lee	No detection
1082 -A	No detection
1082 -B	No detection
Limestone	No detection
01084	No recent data
Pickens	No detection
01108	No recent data
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 detection
01141	No detection
01142	No detection
01143	No recent data
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 -A	No recent data
1165 -B	No detection
1172 -A	No detection
1172 -B	No detection
1173 -A	No detection
1173 -B	No detection
01175	No detection
01176	No recent data
01177	No recent data
01179	No detection
01180	No detection
01181	No detection
01195	No recent data
01196	No recent data
01197	No recent data
01198	No detection
01199	No recent data
01200	No recent data
01202	No detection
01203	No detection
01204	No detection
01205	No detection
01206	No detection
01208	No recent data
01210	No detection
01211	No recent data
01218	No detection
01219	No detection
01220	No recent data
1221 -A	No recent data
1221 -B	No detection
01223	No recent data
01224	No detection
01229	No detection
01230	No detection
01231	No recent data
01259	No detection
01260	No detection
01261	No detection
01262	No recent data
01264	No recent data
01265	No recent data
01266	No detection
01267	No recent data
01268	No detection
01269	No recent data
01270	No recent data
01271	No detection
01272	No recent data
01273	No detection
01275	No recent data
01277	No detection
01278	No detection
01281	No detection
01282	No detection
01283	No recent data
01284	No detection
01285	No detection
01288	No recent data
01289	No detection
01291	No recent data
01292	No recent data
1293 -A	No recent data
1293 -B	No detection
01299	No detection
01300	No recent data
01302	No recent data
01303	No detection
01304	No recent data
01305	No recent data
01311	No detection
01314	No detection
01317	No detection
01318	No detection
01319	No detection
01320	No recent data
01322	No detection
01323	No recent data
01327	No recent data
01329	No recent data
01330	No recent data
01333	No detection
01334	No recent data
01337	No recent data
01338	No detection
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 recent data
01383	No recent data
01384	No detection
01385	No recent data
01386	No recent data
1387 -A	No detection
1387 -B	No detection
01388	No recent data
01392	No recent data
01393	No recent data
01394	No detection
01395	No detection
01397	No recent data
01398	No recent data
01399	No recent data
01408	No detection
01409	No recent data
1410 -A	No detection
1410 -B	No detection
01411	No recent data
01440	No recent data
01441	No recent data
01442	No detection
01443	No recent data
01444	No detection
01445	No detection
01446	No recent data
01447	No recent data
01448	No recent data
01449	No recent data
01450	No recent data
01452	No detection
1453 -A	No recent data
1453 -B	No detection
01454	No recent data
01461	No recent data
01462	No detection
01463	No detection
01464	No detection
01465	No detection
01471	No recent data
01472	No detection
01473	No recent data
01490	No recent data
01491	No recent data
01494	No detection
01495	No recent data
01496	No recent data
01497	No detection
01501	No detection
01502	No detection
01508	No recent data
01509	No detection
01512	No recent data
01536	No recent data
01537	No recent data
01539	No detection
1540 -A	No detection
1540 -B	No detection
01541	No recent data
01542	No detection
01543	No detection
01544	No detection
01545	No recent data
01546	No detection
01548	No recent data
1549 -A	No detection
01550	No detection
01551	No detection
01552	No detection
01558	No recent data
01559	No recent data
01560	No detection
01561	No detection
01565	No detection
01593	No detection
01605	No recent data
01606	No recent data
01607	No detection
01613	No detection
01614	No detection
01615	No detection
1616 -A	No recent data
1616 -B	No detection
01617	No detection
01618	No detection
01620	No recent data
01626	No detection
1631 -A	No detection
1631 -B	No detection
01632	No recent data
01633	No detection
01635	No recent data
01648	No recent data
01649	No detection
01650	No detection
01651	No recent data
01652	No detection
01653	No recent data
01655	No recent data
01656	No detection
01657	No detection
01658	No detection
01659	No detection
01660	No detection
01661	No recent data
01662	No detection
01663	No detection
01664	No detection
01665	No detection
01666	Intermittent 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 detection
01688	No detection
01689	No detection
01690	No detection
01691	No detection
01692	No detection
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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
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 recent data
01753	No detection
01755	No detection
01757	No recent data
01759	No detection
01760	No detection
01761	No detection
01762	No detection
01764	No detection
01765	No detection
01766	No detection
01778	No detection
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 -A	No recent data
1822 -B	No detection
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	No detection
01947	No detection
01948	No detection
01949	No detection
01963	No recent data
01989	No detection
01990	No detection
01992	No detection
02002	No detection
02003	No detection
02008	No detection
02030	No detection
02031	No detection
02032	No detection
02040	No recent data
02041	No recent data
02042	No recent data
02043	No recent data
02044	No recent data
02077	No detection
02104	No recent data
Hoonah–Angoon Ca	No recent data
02107	No detection
02109	No detection
02123	No detection
02124	No recent data
02171	No detection
02207	No detection
02208	No detection
02222	No detection
Valdez-Cordova Ca	No recent data
02263	No detection
02267	No recent data
Wade Hampton	No detection
02271	No detection
497 -A	No detection
497 -B	No detection
561 -A	No detection
561 -B	No detection
564 -A	No detection
564 -B	No detection
569 -A	No recent data
569 -B	No recent data
570 -A	No recent data
570 -B	No detection
635 -U1	No detection
635 -U2	No detection
668 -A	No detection
668 -B	No detection
669 -A	No detection
669 -B	No detection
670 -A	No detection
670 -B	No detection
671 -A	No detection
671 -B	No detection

674 -U1	No detection
674 -U2	No detection
675 -U1	No detection
675 -U2	No detection
675 -U3	No detection
675 -U4	No detection
711 -A	No detection
711 -B	No detection
763 -A	No detection
763 -B	No detection
772 -A	No recent data
772 -B	No detection
779 -A	No detection
779 -B	No detection
781 -A	No detection
781 -B	No detection
788 -A	No recent data
788 -B	No detection
802 -A	No detection
802 -B	No detection
828 -A	No detection
828 -B	No detection
834 -A	No recent data
834 -B	No detection
865 -A	No recent data
865 -B	No detection
867 -A	No detection
867 -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.