

# National Wastewater Surveillance System (NWSS)

National Wastewater Surveillance System (NWSS) > COVID-19 Wastewater Data

Home National Wastewater Surveillance System (NWSS)



- COVID-19 Wastewater Data
- National and Regional Trends**
- State and Territory Trends
- Current Wastewater Viral Activity Levels
- Variants in Wastewater
- Mpx Wastewater Data
- CDC's Wastewater (NWSS) Program
- How Wastewater Monitoring Works
- About Wastewater Data

Wastewater (sewage) can be tested to detect traces of infectious diseases circulating in a community, even if people don't have symptoms. You can use these data as an early warning that levels of infections may be increasing or decreasing in your community.

- About CDC's Wastewater Program (NWSS)
- How Wastewater Monitoring Works

## Wastewater COVID-19 National and Regional Trends

COVID-19 NWSS Wastewater Monitoring in the U.S.

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Nationally, the wastewater viral activity level for COVID-19 is currently **very high**.

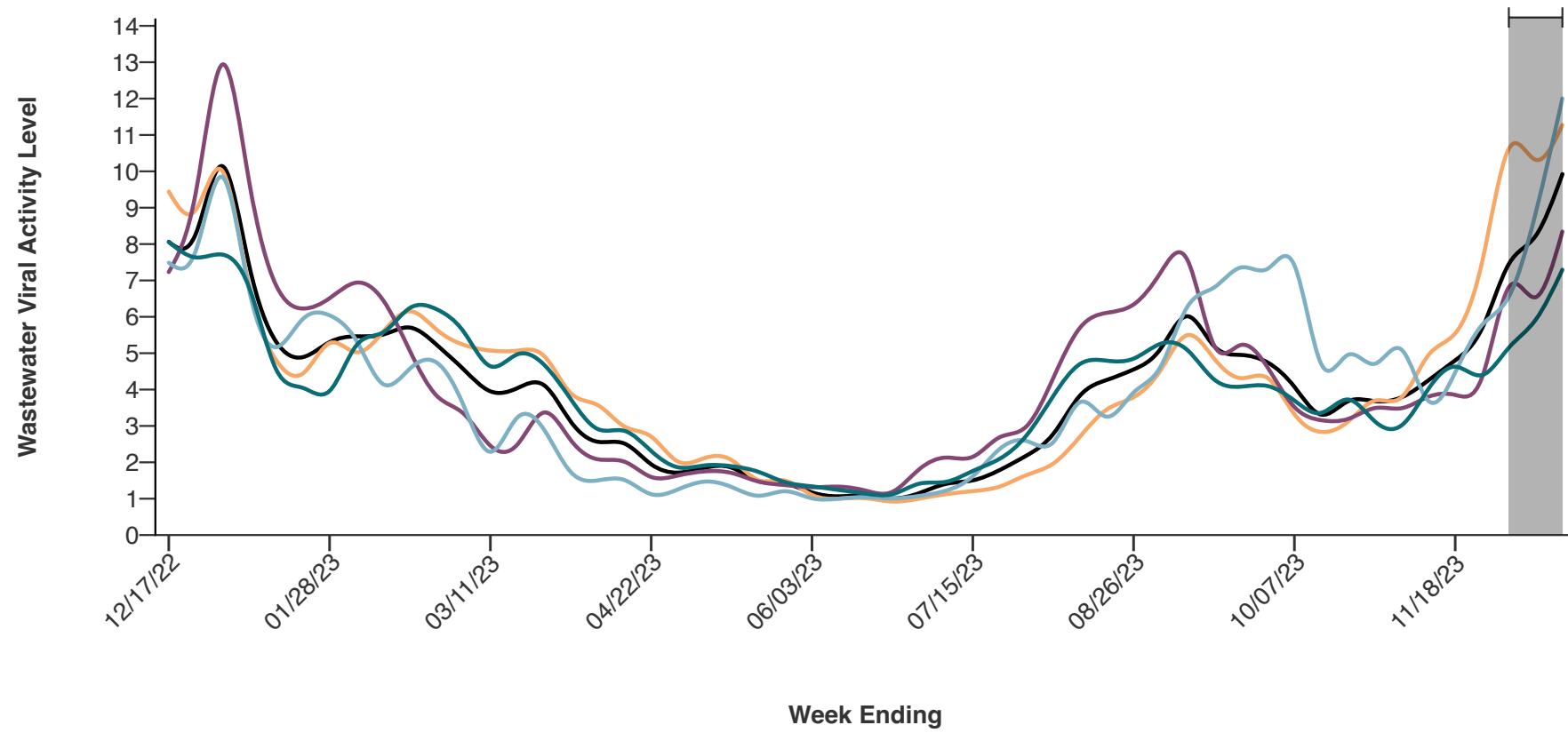
Region with the highest wastewater viral activity level for COVID-19:  
**Northeast**

[See individual state and territory trends.](#)

This chart shows national and regional trends of SARS-CoV-2 viral activity levels in wastewater.

Make a selection from the filters to change the visualization information.

1 Year



Select a geography to add or remove it from the visualization.

- National
- Midwest
- South
- Northeast
- West

Data from the most recent two weeks may be incomplete due to delays in data reporting. These data sets are subject to change and are indicated by the gray shading.

Data last updated 2023-12-16

[Link to Dataset](#)

Data Table					
	National	Midwest	South	Northeast	West
12/17/22	8.06	9.44	7.23	7.49	8.06
12/24/22	8.27	8.93	9.38	7.80	7.63
12/31/22	10.14	10.01	12.94	9.84	7.71
01/07/23	7.41	6.84	9.71	6.74	6.80
01/14/23	5.32	4.82	6.87	5.17	4.56
01/21/23	4.89	4.44	6.23	5.94	4.05
01/28/23	5.30	5.28	6.51	6.04	3.96
02/04/23	5.46	5.03	6.94	5.34	5.21
02/11/23	5.51	5.59	6.45	4.15	5.57
02/18/23	5.70	6.15	5.06	4.58	6.24
02/25/23	5.23	5.64	3.83	4.74	6.21
03/04/23	4.56	5.23	3.34	3.57	5.59
03/11/23	3.95	5.07	2.46	2.29	4.64
03/18/23	4.04	5.07	2.48	3.23	4.97
03/25/23	4.12	4.92	3.37	2.90	4.68
04/01/23	3.12	3.90	2.61	1.73	3.74
04/08/23	2.57	3.58	2.08	1.50	2.92
04/15/23	2.52	2.99	2.02	1.51	2.86
04/22/23	1.95	2.71	1.60	1.12	2.31
04/29/23	1.72	2.02	1.64	1.25	1.86
05/06/23	1.85	2.12	1.75	1.47	1.91
05/13/23	1.85	2.06	1.71	1.32	1.89
05/20/23	1.48	1.51	1.47	1.08	1.74
05/27/23	1.41	1.50	1.37	1.20	1.45
06/03/23	1.17	1.10	1.31	1.01	1.34
06/10/23	1.07	1.00	1.33	1.00	1.24
06/17/23	1.09	1.01	1.22	1.04	1.14
06/24/23	1.01	0.92	1.19	1.01	1.12
07/01/23	1.15	1.00	1.81	1.07	1.41
07/08/23	1.41	1.12	2.13	1.22	1.46
07/15/23	1.50	1.21	2.15	1.62	1.76
07/22/23	1.79	1.33	2.69	2.36	2.10
07/29/23	2.18	1.65	2.99	2.59	2.74
08/05/23	2.78	1.97	4.31	2.55	3.82
08/12/23	3.83	2.71	5.70	3.65	4.70
08/19/23	4.26	3.45	6.11	3.25	4.79
08/26/23	4.55	3.79	6.34	3.92	4.85
09/02/23	5.11	4.52	7.21	4.62	5.26
09/09/23	6.02	5.50	7.57	6.27	5.09
09/16/23	5.20	4.86	5.22	6.81	4.28
09/23/23	4.95	4.31	5.23	7.36	4.08
09/30/23	4.74	4.32	4.61	7.32	4.10
10/07/23	4.08	3.32	3.52	7.41	3.70
10/14/23	3.31	2.84	3.16	4.70	3.36
10/21/23	3.68	3.12	3.19	4.95	3.73
10/28/23	3.68	3.70	3.49	4.71	3.13
11/04/23	3.79	3.79	3.49	5.09	3.02
11/11/23	4.25	4.95	3.80	3.69	4.02
11/18/23	4.80	5.55	3.85	4.47	4.63
11/25/23	5.68	7.50	4.33	5.77	4.40
12/02/23	7.45	10.62	6.81	6.55	5.15
12/09/23	8.22	10.32	6.54	8.85	5.92
12/16/23	9.92	11.27	8.34	12.00	7.29

### About the Data

This chart shows national and regional trends over time of the levels of SARS-CoV-2 virus activity levels present in samples of wastewater taken from sites across the United States. Wastewater monitoring can detect viruses spreading from one person to another within a community earlier than clinical testing, and before people who are sick go to their doctor or hospital. It can also detect infections without symptoms. If you see increased Wastewater Viral Activity Levels of SARS-CoV-2, it might indicate that there is a higher risk of infection. [See how to protect yourself from respiratory viruses like COVID-19.](#)

The Wastewater Viral Activity Level shows changes in SARS-CoV-2 virus levels in wastewater compared to the baseline level for each wastewater treatment plant. **Most simply, the value associated with the Wastewater Viral Activity Level is the number of standard deviations above the baseline, transformed to the linear scale.** For more information, see [Data Methods](#).

National and regional data represent the median values across all wastewater treatment plants in the respective area.

States and territories are grouped into the following U.S. Census Bureau regions:

- **West:** Alaska, Arizona, California, Colorado, Guam, Hawaii, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, Wyoming (N=14)
- **Midwest:** Illinois, Indiana, Iowa, Kansas, Michigan, Minnesota, Missouri, Nebraska, North Dakota, Ohio, South Dakota, Wisconsin (N=12)
- **Northeast:** Connecticut, Maine, Massachusetts, New Hampshire, New Jersey, New York, Pennsylvania, Puerto Rico, Rhode Island, Vermont (N=10)
- **South:** Arkansas, Alabama, Delaware, District of Columbia, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, Virginia, West Virginia (N=17)

## Explore more COVID-19 Wastewater Monitoring Data

- [COVID-19 Current Wastewater Viral Activity Levels](#)
- [COVID-19 Variants in Wastewater](#)
- [Wastewater COVID-19 State and Territory Trends](#)
- [COVID Data Tracker](#)

### Other Links

- > [CDC's Wastewater \(NWSS\) Program](#)
- > [How Wastewater Monitoring Works](#)
- > [About Wastewater Data](#)
- > [Mpx Wastewater Data](#)
- > [Current Activity Levels](#)

### Contact NWSS

Want to learn more? Email us at [NWSS@cdc.gov](mailto:NWSS@cdc.gov) with questions.

Source: [Centers for Disease Control and Prevention](#)

