



National Wastewater Surveillance System (NWSS)

Wastewater Surveillance: Progress in the United States

Wastewater surveillance is an efficient and robust tool to track community spread of COVID-19 and other diseases.



CDC developed the [National Wastewater Surveillance System](#) (NWSS) to coordinate and support the nation's capacity to monitor for the presence of the virus that causes COVID-19 in wastewater.

Pieces of the virus enter wastewater through the stool of infected people. Testing and tracking trends in wastewater complements other surveillance systems for COVID-19 and can show if virus levels are increasing or decreasing in a community. This information can be a critical early warning for authorities of new outbreaks and inform local decision-making, such as where to have mobile testing and vaccination sites.

Wastewater Surveillance: An Early-Warning Tool for the Spread of Disease



Captures information on all types of COVID-19 infections

Anyone with COVID-19 can shed the virus in their stool even if they don't have symptoms.



Early detection of increasing cases

Wastewater surveillance **provides community-level data quickly and efficiently**. Wastewater data can show changes in disease trends 4 to 6 days before those changes in trends are seen in clinical cases, and a single wastewater sample captures the infection status of populations with thousands to millions of individuals.



Independent of medical systems

Wastewater surveillance does not depend on people having access to healthcare, people seeking healthcare when sick, or availability of COVID-19 testing.



Widely applicable

Wastewater surveillance can be implemented in many communities since nearly 80 percent of U.S. households are served by municipal wastewater collection systems.



Variant detection

Wastewater surveillance can provide an early warning that COVID-19 variants of concern may be spreading in communities.



Potential to track other emerging health threats

CDC is working to better understand how wastewater surveillance can also be used to **detect and respond to other infectious disease threats** like antibiotic resistance and foodborne diseases.

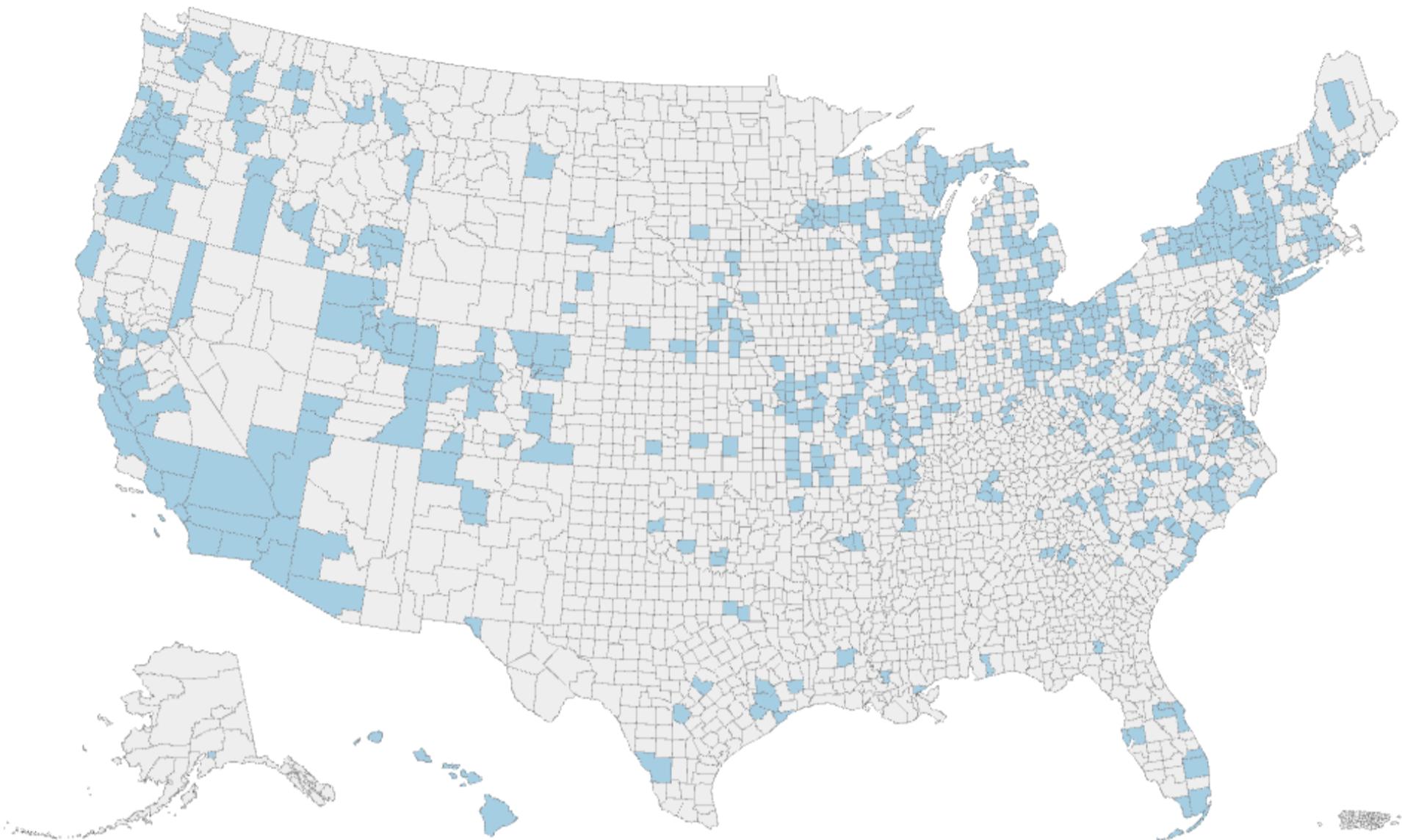
National Wastewater Surveillance System Successes

CDC's NWSS is coordinating community-led surveillance efforts to form a robust, sustainable national system. Through NWSS, health departments and public health laboratories develop their capacity to coordinate wastewater surveillance, including epidemiology, data analytics, and laboratory support.

[CDC's COVID-19 State, Tribal, Local, and Territorial Funding webpage](#) shows the jurisdictions funded by CDC to support wastewater surveillance. Under "Award Name," select "ELC National Wastewater Surveillance System (NWSS)" and "ELC National Wastewater Surveillance System (NWSS) Centers of Excellence" to see the states funded by CDC to support wastewater surveillance.

Jurisdictions with data reported to CDC

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



● Data reported to CDC

Data Table

Location	Reporting Status
● AK, Anchorage Muny	Data reported to CDC
● AZ, La Paz	Data reported to CDC
● AZ, Maricopa	Data reported to CDC
● AZ, Mohave	Data reported to CDC
● AZ, Pima	Data reported to CDC
● AZ, Yuma	Data reported to CDC
● AR, Lonoke	Data reported to CDC
● AR, Mississippi	Data reported to CDC
● AR, Pulaski	Data reported to CDC
● AR, Washington	Data reported to CDC
● CA, Alameda	Data reported to CDC
● CA, Contra Costa	Data reported to CDC
● CA, El Dorado	Data reported to CDC
● CA, Fresno	Data reported to CDC
● CA, Humboldt	Data reported to CDC
● CA, Imperial	Data reported to CDC
● CA, Kern	Data reported to CDC

Location	Reporting Status
CA, Kings	Data reported to CDC
CA, Lake	Data reported to CDC
CA, Los Angeles	Data reported to CDC
CA, Marin	Data reported to CDC
CA, Merced	Data reported to CDC
CA, Monterey	Data reported to CDC
CA, Orange	Data reported to CDC
CA, Riverside	Data reported to CDC
CA, Sacramento	Data reported to CDC
CA, San Benito	Data reported to CDC
CA, San Bernardino	Data reported to CDC
CA, San Diego	Data reported to CDC
CA, San Francisco	Data reported to CDC
CA, San Luis Obispo	Data reported to CDC
CA, San Mateo	Data reported to CDC
CA, Santa Clara	Data reported to CDC
CA, Santa Cruz	Data reported to CDC
CA, Sonoma	Data reported to CDC
CA, Stanislaus	Data reported to CDC
CA, Ventura	Data reported to CDC
CA, Yolo	Data reported to CDC
CO, Adams	Data reported to CDC
CO, Alamosa	Data reported to CDC
CO, Arapahoe	Data reported to CDC
CO, Boulder	Data reported to CDC
CO, Broomfield	Data reported to CDC
CO, Denver	Data reported to CDC
CO, Eagle	Data reported to CDC
CO, El Paso	Data reported to CDC
CO, Garfield	Data reported to CDC
CO, Gunnison	Data reported to CDC
CO, La Plata	Data reported to CDC
CO, Larimer	Data reported to CDC
CO, Las Animas	Data reported to CDC
CO, Mesa	Data reported to CDC
CO, Morgan	Data reported to CDC
CO, Pitkin	Data reported to CDC
CO, Pueblo	Data reported to CDC
CO, Routt	Data reported to CDC
CO, Teller	Data reported to CDC
CO, Weld	Data reported to CDC
CT, Fairfield	Data reported to CDC
CT, New Haven	Data reported to CDC
CT, New London	Data reported to CDC

Location	Reporting Status
CT, Windham	Data reported to CDC
FL, Brevard	Data reported to CDC
FL, Escambia	Data reported to CDC
FL, Hillsborough	Data reported to CDC
FL, Martin	Data reported to CDC
FL, Miami-Dade	Data reported to CDC
FL, Monroe	Data reported to CDC
FL, Orange	Data reported to CDC
FL, Palm Beach	Data reported to CDC
FL, Pinellas	Data reported to CDC
FL, Seminole	Data reported to CDC
GA, Clarke	Data reported to CDC
GA, Cobb	Data reported to CDC
GA, De Kalb	Data reported to CDC
GA, Gwinnett	Data reported to CDC
GA, Lowndes	Data reported to CDC
GA, Newton	Data reported to CDC
GA, Paulding	Data reported to CDC
GA, Richmond	Data reported to CDC
HI, Hawaii	Data reported to CDC
HI, Honolulu	Data reported to CDC
HI, Kauai	Data reported to CDC
HI, Maui	Data reported to CDC
ID, Ada	Data reported to CDC
ID, Bannock	Data reported to CDC
ID, Bingham	Data reported to CDC
ID, Bonneville	Data reported to CDC
ID, Caribou	Data reported to CDC
ID, Elmore	Data reported to CDC
ID, Kootenai	Data reported to CDC
ID, Latah	Data reported to CDC
ID, Minidoka	Data reported to CDC
ID, Twin Falls	Data reported to CDC
IL, Adams	Data reported to CDC
IL, Boone	Data reported to CDC
IL, Bureau	Data reported to CDC
IL, Carroll	Data reported to CDC
IL, Cass	Data reported to CDC
IL, Champaign	Data reported to CDC
IL, Christian	Data reported to CDC
IL, Clay	Data reported to CDC
IL, Cook	Data reported to CDC
IL, De Kalb	Data reported to CDC
IL, Du Page	Data reported to CDC

Location	Reporting Status
IL, Effingham	Data reported to CDC
IL, Fulton	Data reported to CDC
IL, Greene	Data reported to CDC
IL, Jefferson	Data reported to CDC
IL, Jo Daviess	Data reported to CDC
IL, Kane	Data reported to CDC
IL, Kankakee	Data reported to CDC
IL, Kendall	Data reported to CDC
IL, Knox	Data reported to CDC
IL, La Salle	Data reported to CDC
IL, Lawrence	Data reported to CDC
IL, Lee	Data reported to CDC
IL, Mcdonough	Data reported to CDC
IL, Mchenry	Data reported to CDC
IL, Mclean	Data reported to CDC
IL, Macon	Data reported to CDC
IL, Macoupin	Data reported to CDC
IL, Marion	Data reported to CDC
IL, Morgan	Data reported to CDC
IL, Peoria	Data reported to CDC
IL, Perry	Data reported to CDC
IL, Randolph	Data reported to CDC
IL, Richland	Data reported to CDC
IL, Rock Island	Data reported to CDC
IL, St Clair	Data reported to CDC
IL, Shelby	Data reported to CDC
IL, Stephenson	Data reported to CDC
IL, Tazewell	Data reported to CDC
IL, Union	Data reported to CDC
IL, Vermilion	Data reported to CDC
IL, Warren	Data reported to CDC
IL, Whiteside	Data reported to CDC
IL, Will	Data reported to CDC
IL, Winnebago	Data reported to CDC
IN, Allen	Data reported to CDC
IN, Bartholomew	Data reported to CDC
IN, Clark	Data reported to CDC
IN, Delaware	Data reported to CDC
IN, Dubois	Data reported to CDC
IN, Hamilton	Data reported to CDC
IN, Howard	Data reported to CDC
IN, Huntington	Data reported to CDC
IN, Jasper	Data reported to CDC
IN, Jefferson	Data reported to CDC

Location	Reporting Status
IN, Kosciusko	Data reported to CDC
IN, Lake	Data reported to CDC
IN, Monroe	Data reported to CDC
IN, Noble	Data reported to CDC
IN, St Joseph	Data reported to CDC
IN, Vigo	Data reported to CDC
IN, Wayne	Data reported to CDC
IA, Johnson	Data reported to CDC
IA, Mahaska	Data reported to CDC
IA, Woodbury	Data reported to CDC
KS, Butler	Data reported to CDC
KS, Ford	Data reported to CDC
KS, Johnson	Data reported to CDC
KS, Reno	Data reported to CDC
KS, Shawnee	Data reported to CDC
KY, Boyd	Data reported to CDC
KY, Carroll	Data reported to CDC
KY, Estill	Data reported to CDC
KY, Floyd	Data reported to CDC
KY, Jefferson	Data reported to CDC
KY, Johnson	Data reported to CDC
KY, Magoffin	Data reported to CDC
KY, Rowan	Data reported to CDC
LA, East Baton Rouge Parish	Data reported to CDC
LA, Orleans Parish	Data reported to CDC
LA, Rapides Parish	Data reported to CDC
ME, Cumberland	Data reported to CDC
ME, Franklin	Data reported to CDC
ME, Knox	Data reported to CDC
ME, Lincoln	Data reported to CDC
ME, Oxford	Data reported to CDC
ME, Piscataquis	Data reported to CDC
ME, Sagadahoc	Data reported to CDC
ME, York	Data reported to CDC
MD, Allegany	Data reported to CDC
MD, Anne Arundel	Data reported to CDC
MD, Charles	Data reported to CDC
MD, Howard	Data reported to CDC
MD, Washington	Data reported to CDC
MD, Wicomico	Data reported to CDC
MA, Bristol	Data reported to CDC
MA, Hampden	Data reported to CDC
MA, Middlesex	Data reported to CDC
MA, Suffolk	Data reported to CDC

Location	Reporting Status
MA, Worcester	Data reported to CDC
MI, Allegan	Data reported to CDC
MI, Alpena	Data reported to CDC
MI, Bay	Data reported to CDC
MI, Calhoun	Data reported to CDC
MI, Chippewa	Data reported to CDC
MI, Clare	Data reported to CDC
MI, Delta	Data reported to CDC
MI, Dickinson	Data reported to CDC
MI, Emmet	Data reported to CDC
MI, Genesee	Data reported to CDC
MI, Grand Traverse	Data reported to CDC
MI, Gratiot	Data reported to CDC
MI, Houghton	Data reported to CDC
MI, Huron	Data reported to CDC
MI, Ingham	Data reported to CDC
MI, Iosco	Data reported to CDC
MI, Isabella	Data reported to CDC
MI, Jackson	Data reported to CDC
MI, Kalamazoo	Data reported to CDC
MI, Kent	Data reported to CDC
MI, Lenawee	Data reported to CDC
MI, Mackinac	Data reported to CDC
MI, Macomb	Data reported to CDC
MI, Manistee	Data reported to CDC
MI, Marquette	Data reported to CDC
MI, Menominee	Data reported to CDC
MI, Midland	Data reported to CDC
MI, Muskegon	Data reported to CDC
MI, Oakland	Data reported to CDC
MI, Otsego	Data reported to CDC
MI, Ottawa	Data reported to CDC
MI, Roscommon	Data reported to CDC
MI, Saginaw	Data reported to CDC
MI, St Joseph	Data reported to CDC
MI, Schoolcraft	Data reported to CDC
MI, Tuscola	Data reported to CDC
MI, Washtenaw	Data reported to CDC
MI, Wayne	Data reported to CDC
MN, Anoka	Data reported to CDC
MN, Carver	Data reported to CDC
MN, Dakota	Data reported to CDC
MN, Hennepin	Data reported to CDC
MN, Olmsted	Data reported to CDC

Location	Reporting Status
● MN, Ramsey	Data reported to CDC
● MN, Scott	Data reported to CDC
● MN, Washington	Data reported to CDC
● MO, Adair	Data reported to CDC
● MO, Audrain	Data reported to CDC
● MO, Barry	Data reported to CDC
● MO, Barton	Data reported to CDC
● MO, Boone	Data reported to CDC
● MO, Buchanan	Data reported to CDC
● MO, Butler	Data reported to CDC
● MO, Caldwell	Data reported to CDC
● MO, Callaway	Data reported to CDC
● MO, Carroll	Data reported to CDC
● MO, Cass	Data reported to CDC
● MO, Christian	Data reported to CDC
● MO, Clay	Data reported to CDC
● MO, Clinton	Data reported to CDC
● MO, Cole	Data reported to CDC
● MO, De Kalb	Data reported to CDC
● MO, Dent	Data reported to CDC
● MO, Dunklin	Data reported to CDC
● MO, Franklin	Data reported to CDC
● MO, Greene	Data reported to CDC
● MO, Henry	Data reported to CDC
● MO, Howell	Data reported to CDC
● MO, Jackson	Data reported to CDC
● MO, Jasper	Data reported to CDC
● MO, Jefferson	Data reported to CDC
● MO, Johnson	Data reported to CDC
● MO, Lincoln	Data reported to CDC
● MO, Linn	Data reported to CDC
● MO, Livingston	Data reported to CDC
● MO, Madison	Data reported to CDC
● MO, Marion	Data reported to CDC
● MO, Miller	Data reported to CDC
● MO, New Madrid	Data reported to CDC
● MO, Newton	Data reported to CDC
● MO, Nodaway	Data reported to CDC
● MO, Perry	Data reported to CDC
● MO, Pettis	Data reported to CDC
● MO, Phelps	Data reported to CDC
● MO, Platte	Data reported to CDC
● MO, Polk	Data reported to CDC
● MO, Ralls	Data reported to CDC

Location	Reporting Status
MO, St Charles	Data reported to CDC
MO, St Francois	Data reported to CDC
MO, St Louis	Data reported to CDC
MO, Saline	Data reported to CDC
MO, Scott	Data reported to CDC
MO, Stoddard	Data reported to CDC
MO, Taney	Data reported to CDC
MO, Vernon	Data reported to CDC
MO, Webster	Data reported to CDC
MO, St Louis City	Data reported to CDC
MT, Custer	Data reported to CDC
MT, Gallatin	Data reported to CDC
MT, Lewis And Clark	Data reported to CDC
MT, Missoula	Data reported to CDC
NE, Adams	Data reported to CDC
NE, Buffalo	Data reported to CDC
NE, Dawes	Data reported to CDC
NE, Dodge	Data reported to CDC
NE, Douglas	Data reported to CDC
NE, Hall	Data reported to CDC
NE, Lancaster	Data reported to CDC
NE, Lincoln	Data reported to CDC
NE, Madison	Data reported to CDC
NE, Platte	Data reported to CDC
NE, Sarpy	Data reported to CDC
NE, Saunders	Data reported to CDC
NE, Scotts Bluff	Data reported to CDC
NE, Stanton	Data reported to CDC
NE, Wayne	Data reported to CDC
NE, York	Data reported to CDC
NV, Clark	Data reported to CDC
NV, Washoe	Data reported to CDC
NH, Carroll	Data reported to CDC
NH, Merrimack	Data reported to CDC
NH, Sullivan	Data reported to CDC
NJ, Bergen	Data reported to CDC
NJ, Essex	Data reported to CDC
NJ, Hudson	Data reported to CDC
NJ, Middlesex	Data reported to CDC
NJ, Monmouth	Data reported to CDC
NJ, Passaic	Data reported to CDC
NJ, Somerset	Data reported to CDC
NJ, Union	Data reported to CDC
NM, Bernalillo	Data reported to CDC

Location	Reporting Status
● NM, Los Alamos	Data reported to CDC
● NM, Sandoval	Data reported to CDC
● NM, San Juan	Data reported to CDC
● NY, Albany	Data reported to CDC
● NY, Bronx	Data reported to CDC
● NY, Broome	Data reported to CDC
● NY, Cayuga	Data reported to CDC
● NY, Chemung	Data reported to CDC
● NY, Chenango	Data reported to CDC
● NY, Clinton	Data reported to CDC
● NY, Columbia	Data reported to CDC
● NY, Cortland	Data reported to CDC
● NY, Delaware	Data reported to CDC
● NY, Dutchess	Data reported to CDC
● NY, Essex	Data reported to CDC
● NY, Franklin	Data reported to CDC
● NY, Fulton	Data reported to CDC
● NY, Greene	Data reported to CDC
● NY, Herkimer	Data reported to CDC
● NY, Jefferson	Data reported to CDC
● NY, Kings	Data reported to CDC
● NY, Lewis	Data reported to CDC
● NY, Livingston	Data reported to CDC
● NY, Madison	Data reported to CDC
● NY, Monroe	Data reported to CDC
● NY, Montgomery	Data reported to CDC
● NY, Nassau	Data reported to CDC
● NY, New York	Data reported to CDC
● NY, Niagara	Data reported to CDC
● NY, Oneida	Data reported to CDC
● NY, Onondaga	Data reported to CDC
● NY, Ontario	Data reported to CDC
● NY, Orange	Data reported to CDC
● NY, Oswego	Data reported to CDC
● NY, Otsego	Data reported to CDC
● NY, Putnam	Data reported to CDC
● NY, Queens	Data reported to CDC
● NY, Rensselaer	Data reported to CDC
● NY, Richmond	Data reported to CDC
● NY, Rockland	Data reported to CDC
● NY, St Lawrence	Data reported to CDC
● NY, Saratoga	Data reported to CDC
● NY, Schenectady	Data reported to CDC
● NY, Schoharie	Data reported to CDC

Location	Reporting Status
NY, Seneca	Data reported to CDC
NY, Steuben	Data reported to CDC
NY, Suffolk	Data reported to CDC
NY, Sullivan	Data reported to CDC
NY, Tioga	Data reported to CDC
NY, Tompkins	Data reported to CDC
NY, Ulster	Data reported to CDC
NY, Warren	Data reported to CDC
NY, Washington	Data reported to CDC
NY, Wayne	Data reported to CDC
NY, Wyoming	Data reported to CDC
NY, Yates	Data reported to CDC
NC, Buncombe	Data reported to CDC
NC, Carteret	Data reported to CDC
NC, Cumberland	Data reported to CDC
NC, Duplin	Data reported to CDC
NC, Durham	Data reported to CDC
NC, Forsyth	Data reported to CDC
NC, Greene	Data reported to CDC
NC, Guilford	Data reported to CDC
NC, Halifax	Data reported to CDC
NC, Henderson	Data reported to CDC
NC, Jackson	Data reported to CDC
NC, Mcdowell	Data reported to CDC
NC, Mecklenburg	Data reported to CDC
NC, Mitchell	Data reported to CDC
NC, Northampton	Data reported to CDC
NC, Orange	Data reported to CDC
NC, Pasquotank	Data reported to CDC
NC, Pender	Data reported to CDC
NC, Pitt	Data reported to CDC
NC, Rowan	Data reported to CDC
NC, Sampson	Data reported to CDC
NC, Scotland	Data reported to CDC
NC, Surry	Data reported to CDC
NC, Swain	Data reported to CDC
NC, Vance	Data reported to CDC
NC, Wake	Data reported to CDC
NC, Watauga	Data reported to CDC
NC, Wayne	Data reported to CDC
NC, Wilson	Data reported to CDC
OH, Allen	Data reported to CDC
OH, Ashtabula	Data reported to CDC
OH, Athens	Data reported to CDC

Location	Reporting Status
OH, Belmont	Data reported to CDC
OH, Brown	Data reported to CDC
OH, Butler	Data reported to CDC
OH, Clark	Data reported to CDC
OH, Coshocton	Data reported to CDC
OH, Crawford	Data reported to CDC
OH, Cuyahoga	Data reported to CDC
OH, Darke	Data reported to CDC
OH, Defiance	Data reported to CDC
OH, Erie	Data reported to CDC
OH, Fairfield	Data reported to CDC
OH, Fayette	Data reported to CDC
OH, Franklin	Data reported to CDC
OH, Fulton	Data reported to CDC
OH, Greene	Data reported to CDC
OH, Hamilton	Data reported to CDC
OH, Hancock	Data reported to CDC
OH, Hardin	Data reported to CDC
OH, Henry	Data reported to CDC
OH, Huron	Data reported to CDC
OH, Jefferson	Data reported to CDC
OH, Knox	Data reported to CDC
OH, Lawrence	Data reported to CDC
OH, Licking	Data reported to CDC
OH, Lorain	Data reported to CDC
OH, Lucas	Data reported to CDC
OH, Mahoning	Data reported to CDC
OH, Marion	Data reported to CDC
OH, Medina	Data reported to CDC
OH, Mercer	Data reported to CDC
OH, Miami	Data reported to CDC
OH, Montgomery	Data reported to CDC
OH, Muskingum	Data reported to CDC
OH, Ottawa	Data reported to CDC
OH, Pickaway	Data reported to CDC
OH, Portage	Data reported to CDC
OH, Preble	Data reported to CDC
OH, Richland	Data reported to CDC
OH, Sandusky	Data reported to CDC
OH, Scioto	Data reported to CDC
OH, Stark	Data reported to CDC
OH, Summit	Data reported to CDC
OH, Trumbull	Data reported to CDC
OH, Tuscarawas	Data reported to CDC

Location	Reporting Status
OH, Union	Data reported to CDC
OH, Washington	Data reported to CDC
OH, Wayne	Data reported to CDC
OH, Williams	Data reported to CDC
OH, Wood	Data reported to CDC
OH, Wyandot	Data reported to CDC
OK, Beckham	Data reported to CDC
OK, Carter	Data reported to CDC
OK, Comanche	Data reported to CDC
OK, Garfield	Data reported to CDC
OK, Murray	Data reported to CDC
OR, Baker	Data reported to CDC
OR, Benton	Data reported to CDC
OR, Clackamas	Data reported to CDC
OR, Clatsop	Data reported to CDC
OR, Columbia	Data reported to CDC
OR, Coos	Data reported to CDC
OR, Deschutes	Data reported to CDC
OR, Hood River	Data reported to CDC
OR, Jackson	Data reported to CDC
OR, Jefferson	Data reported to CDC
OR, Josephine	Data reported to CDC
OR, Klamath	Data reported to CDC
OR, Lane	Data reported to CDC
OR, Lincoln	Data reported to CDC
OR, Linn	Data reported to CDC
OR, Malheur	Data reported to CDC
OR, Marion	Data reported to CDC
OR, Multnomah	Data reported to CDC
OR, Polk	Data reported to CDC
OR, Umatilla	Data reported to CDC
OR, Washington	Data reported to CDC
OR, Yamhill	Data reported to CDC
PA, Allegheny	Data reported to CDC
PA, Butler	Data reported to CDC
PA, Cumberland	Data reported to CDC
PA, Dauphin	Data reported to CDC
PA, Delaware	Data reported to CDC
PA, Erie	Data reported to CDC
PA, Franklin	Data reported to CDC
PA, Lehigh	Data reported to CDC
PA, Monroe	Data reported to CDC
PA, Montgomery	Data reported to CDC
PA, Westmoreland	Data reported to CDC

Location	Reporting Status
PA, York	Data reported to CDC
RI, Bristol	Data reported to CDC
RI, Kent	Data reported to CDC
RI, Providence	Data reported to CDC
SC, Charleston	Data reported to CDC
SC, Darlington	Data reported to CDC
SC, Florence	Data reported to CDC
SC, Georgetown	Data reported to CDC
SC, Greenville	Data reported to CDC
SC, Greenwood	Data reported to CDC
SC, Horry	Data reported to CDC
SC, Kershaw	Data reported to CDC
SC, Lexington	Data reported to CDC
SC, Richland	Data reported to CDC
SC, York	Data reported to CDC
SD, Beadle	Data reported to CDC
SD, Lincoln	Data reported to CDC
SD, Minnehaha	Data reported to CDC
SD, Pennington	Data reported to CDC
SD, Yankton	Data reported to CDC
TN, Bradley	Data reported to CDC
TN, Davidson	Data reported to CDC
TN, Rutherford	Data reported to CDC
TN, Shelby	Data reported to CDC
TN, Sumner	Data reported to CDC
TN, Williamson	Data reported to CDC
TX, Bexar	Data reported to CDC
TX, Dallas	Data reported to CDC
TX, El Paso	Data reported to CDC
TX, Fort Bend	Data reported to CDC
TX, Galveston	Data reported to CDC
TX, Hardin	Data reported to CDC
TX, Harris	Data reported to CDC
TX, Kaufman	Data reported to CDC
TX, Montgomery	Data reported to CDC
TX, Travis	Data reported to CDC
TX, Webb	Data reported to CDC
UT, Box Elder	Data reported to CDC
UT, Cache	Data reported to CDC
UT, Carbon	Data reported to CDC
UT, Davis	Data reported to CDC
UT, Duchesne	Data reported to CDC
UT, Grand	Data reported to CDC
UT, Iron	Data reported to CDC

Location	Reporting Status
● UT, Salt Lake	Data reported to CDC
● UT, San Juan	Data reported to CDC
● UT, Summit	Data reported to CDC
● UT, Tooele	Data reported to CDC
● UT, Uintah	Data reported to CDC
● UT, Utah	Data reported to CDC
● UT, Wasatch	Data reported to CDC
● UT, Washington	Data reported to CDC
● UT, Weber	Data reported to CDC
● VT, Bennington	Data reported to CDC
● VT, Caledonia	Data reported to CDC
● VT, Chittenden	Data reported to CDC
● VT, Franklin	Data reported to CDC
● VT, Windsor	Data reported to CDC
● VA, Albemarle	Data reported to CDC
● VA, Alleghany	Data reported to CDC
● VA, Amherst	Data reported to CDC
● VA, Arlington	Data reported to CDC
● VA, Bedford	Data reported to CDC
● VA, Botetourt	Data reported to CDC
● VA, Campbell	Data reported to CDC
● VA, Chesterfield	Data reported to CDC
● VA, Dinwiddie	Data reported to CDC
● VA, Fairfax	Data reported to CDC
● VA, Fauquier	Data reported to CDC
● VA, Franklin	Data reported to CDC
● VA, Frederick	Data reported to CDC
● VA, Gloucester	Data reported to CDC
● VA, Goochland	Data reported to CDC
● VA, Hanover	Data reported to CDC
● VA, Henrico	Data reported to CDC
● VA, Henry	Data reported to CDC
● VA, Isle Of Wight	Data reported to CDC
● VA, James City	Data reported to CDC
● VA, Loudoun	Data reported to CDC
● VA, Mathews	Data reported to CDC
● VA, Mecklenburg	Data reported to CDC
● VA, Montgomery	Data reported to CDC
● VA, New Kent	Data reported to CDC
● VA, Orange	Data reported to CDC
● VA, Pittsylvania	Data reported to CDC
● VA, Prince George	Data reported to CDC
● VA, Prince William	Data reported to CDC
● VA, Pulaski	Data reported to CDC

Location	Reporting Status
VA, Richmond	Data reported to CDC
VA, Roanoke	Data reported to CDC
VA, Rockingham	Data reported to CDC
VA, Stafford	Data reported to CDC
VA, Washington	Data reported to CDC
VA, Wise	Data reported to CDC
VA, York	Data reported to CDC
VA, Alexandria City	Data reported to CDC
VA, Chesapeake City	Data reported to CDC
VA, Colonial Heights Cit	Data reported to CDC
VA, Fairfax City	Data reported to CDC
VA, Hampton City	Data reported to CDC
VA, Harrisonburg City	Data reported to CDC
VA, Hopewell City	Data reported to CDC
VA, Manassas City	Data reported to CDC
VA, Manassas Park City	Data reported to CDC
VA, Newport News City	Data reported to CDC
VA, Norfolk City	Data reported to CDC
VA, Petersburg City	Data reported to CDC
VA, Poquoson City	Data reported to CDC
VA, Portsmouth City	Data reported to CDC
VA, Radford City	Data reported to CDC
VA, Richmond City	Data reported to CDC
VA, Salem City	Data reported to CDC
VA, Suffolk City	Data reported to CDC
VA, Virginia Beach City	Data reported to CDC
VA, Williamsburg City	Data reported to CDC
WA, Benton	Data reported to CDC
WA, Chelan	Data reported to CDC
WA, Clark	Data reported to CDC
WA, Franklin	Data reported to CDC
WA, Grant	Data reported to CDC
WA, Jefferson	Data reported to CDC
WA, King	Data reported to CDC
WA, Pierce	Data reported to CDC
WA, Snohomish	Data reported to CDC
WA, Spokane	Data reported to CDC
WV, Boone	Data reported to CDC
WV, Brooke	Data reported to CDC
WV, Cabell	Data reported to CDC
WV, Harrison	Data reported to CDC
WV, Kanawha	Data reported to CDC
WV, Lewis	Data reported to CDC
WV, Marshall	Data reported to CDC

Location	Reporting Status
WV, Mercer	Data reported to CDC
WV, Mineral	Data reported to CDC
WV, Monongalia	Data reported to CDC
WV, Ohio	Data reported to CDC
WV, Putnam	Data reported to CDC
WV, Raleigh	Data reported to CDC
WV, Randolph	Data reported to CDC
WV, Taylor	Data reported to CDC
WV, Wayne	Data reported to CDC
WV, Wood	Data reported to CDC
WI, Ashland	Data reported to CDC
WI, Brown	Data reported to CDC
WI, Calumet	Data reported to CDC
WI, Chippewa	Data reported to CDC
WI, Columbia	Data reported to CDC
WI, Dane	Data reported to CDC
WI, Dodge	Data reported to CDC
WI, Douglas	Data reported to CDC
WI, Dunn	Data reported to CDC
WI, Eau Claire	Data reported to CDC
WI, Grant	Data reported to CDC
WI, Green	Data reported to CDC
WI, Jackson	Data reported to CDC
WI, Jefferson	Data reported to CDC
WI, Juneau	Data reported to CDC
WI, Kenosha	Data reported to CDC
WI, Kewaunee	Data reported to CDC
WI, La Crosse	Data reported to CDC
WI, Lincoln	Data reported to CDC
WI, Manitowoc	Data reported to CDC
WI, Marathon	Data reported to CDC
WI, Marinette	Data reported to CDC
WI, Milwaukee	Data reported to CDC
WI, Outagamie	Data reported to CDC
WI, Ozaukee	Data reported to CDC
WI, Pierce	Data reported to CDC
WI, Portage	Data reported to CDC
WI, Racine	Data reported to CDC
WI, Rock	Data reported to CDC
WI, St Croix	Data reported to CDC
WI, Sheboygan	Data reported to CDC
WI, Taylor	Data reported to CDC
WI, Vernon	Data reported to CDC
WI, Walworth	Data reported to CDC

Location	Reporting Status
WI, Washington	Data reported to CDC
WI, Waukesha	Data reported to CDC
WI, Waupaca	Data reported to CDC
WI, Winnebago	Data reported to CDC
WI, Wood	Data reported to CDC
GU, Guam	Data reported to CDC

Data table showing data for the United States County Map figure.

Data current as of October 2022

Data reported to CDC is based on wastewater treatment plant service area and may not include all areas of a county. See wastewater surveillance data on [CDC's COVID Data Tracker](#).

The program has made great strides since it started in September 2020:

Expanded testing

As of October 2022,

- More than 1,250 testing sites in the United States have begun wastewater surveillance efforts, including those in jurisdiction-led programs and those participating through a commercial contract managed by CDC.
- Over 90,000 samples have been collected from municipal wastewater systems serving about 2 in 5 people in the United States (more than 133 million people).
- Community wastewater data are publicly available on COVID Data Tracker and updated daily.

Increased capacity

- Since 2020, CDC has awarded more than \$100 million to support wastewater surveillance and related activities in 46 states, 5 cities, and 2 territories.
 - In August 2022, CDC awarded \$64 million to support wastewater surveillance and related activities in 42 states and 5 cities. As part of this work, CDC funded two Centers of Excellence, in Houston and Colorado, that serve as leaders in wastewater surveillance implementation and coordination.
- Jurisdictions participating in NWSS can access and visualize their data in real time via a secure, online platform.
- Health departments, laboratories, and wastewater utilities participate in national communities of practice to share successes, help shape best practices, and learn from other implementing partners.
- CDC experts provide ongoing technical guidance and data analysis to participating jurisdictions.

Looking forward

- CDC funding for wastewater surveillance is available to eligible jurisdictions through the annual Epidemiology and Laboratory Capacity funding opportunity.
- CDC is learning more about how NWSS can track other disease threats in partnership with health departments.

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