COVID Data Tracker

Maps, charts, and data provided by CDC, updates Mondays and Thursdays by 8 p.m. ET. COVID-19 Home ›

United States
At a Glance

Total Cases/Deaths
6,264,215
+ 0.0% increase from last week
+ 0.0% increase from last week

Total Vaccinations
1,107,160
+ 0.0% increase from last week
+ 0.0% increase from last week

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Wastewater Surveillance

COVID-19: Wastewater Surveillance

Wastewater surveillance for COVID-19 is a rapidly developing field. State, tribal, local, and territorial partners have been participating in the National Wastewater Surveillance System (NWSS) submit testing data to CDC. CDC then standardizes and interprets these data and presents them in the COVID Data Tracker. How wastewater data are collected and what they can and frequently data are reported to CDC varies by health department.

Wastewater data are meant to be used with other COVID-19 surveillance data to better understand the spread of the virus in communities. Learn more about wastewater data by exploring each of the charts and maps. To see a map of which SARS-CoV-2 variants in the wastewater at each wastewater sampling site, see CDC's National Wastewater Surveillance System Variant Surveillance.

View information about the data and download data.

Monitoring Wastewater Surveillance Data

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About the Data

Maps, charts, and data provided by CDC, updates Thursdays by 8pm ET. This represents all wastewater data collected in the NWSS. Data are from wastewater treatment plants and other sampling locations in the National Sewer Line Network (NSLN). Each sampling site in the NSLN can represent all or part of a "sewershed" which is the area contributing wastewater to a sampling location. For all jurisdictions, representative sampling is preferred. Depending on jurisdiction, and wastewater samples are collected from sewer systems so contributions of wastewater from individuals who are institutionalized (e.g., in nursing homes or prisons) are not likely to be as representative as samples from wastewater treatment plants which serve a much larger population size or having facility-specific sampling.

View Explanation and Download Data

Wastewater Metric Chart

This chart shows how much virus levels have changed (increased and decreased) over time at wastewater sites across the United States. It shows the percent of sites in each category of increasing or decreasing virus levels, plus the percent of sites with available data.

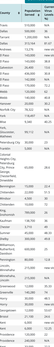
The percent change metrics shows whether virus levels have increased or decreased at sites over the last 15 days:

- Blue categories (Large decrease (-100%), Decrease (-99% to -10%)): Virus levels decreased at these sites in the last 15 days.
- Yellow category (Stable (-9% to 9%)): Virus levels stayed about the same at these sites in the last 15 days.
- Orange and red categories (Increase (10% to 19%), Large increase (20% or more)): Virus levels increased at these sites in the last 15 days.

The chart shows the current percent of sites that were in each category over time since January 1, 2021. If more sites on the chart is shaded light or dark blue, it means virus levels were decreasing at more sites at that point in time. If more area on the chart is shaded dark or orange, it means virus levels were increasing at more sites at that point in time. Sites with data from the last 15 days metric may be affected by how many wastewater plants were collecting wastewater samples, the black line shows the number of sampling sites with available data for each date.

Note: This chart does not show overall levels of SARS-CoV-2 in wastewater.

Percent of sites in each percent change category over time, United States*



*The darker bar on the right side of the figure highlights the most recent 2 weeks, which may be subject to reporting delays. The actual number of sites reporting during these 2 weeks will likely increase as historical data are added.

Download ▾

Wastewater Metric Map

State or territory: Select state or territory ▾ | County: Select a state/territory first ▾ | Reset Selections

Time Period: Aug 01, 2023 – Aug 15, 2023 | Wastewater Metric | Wastewater Data

Metric:
- Percent virus levels in wastewater by site
- Percent change in the last 15 days
- Percent of wastewater samples with detectable virus

Sites:
All Sites with no recent data
Sites that started sampling after 12/5/21

Current virus levels in wastewater by site
This map shows whether SARS-CoV-2 levels at a site are currently higher or lower than past historical levels at the same site. We assess this by looking at the last 15 days of data, and if the virus levels are in the highest 20% of levels seen at the site. Public Dashboard shows increasing levels of the virus in wastewater over time and use these data to help make public health decisions.

Note: Sites began collecting data at different times. Sites that began collecting data more recently, such as in 2021, may not have enough data to be used for comparing data on or before Public Dashboard 1, 2021. The data history for these new sites is not long enough to reflect the same surges as the other sites.

Select tagged categories to filter points on the map.

Sites: ☑ Big City (139) ☑ 20th % (39) 40th % (39) ☑ 60th % (39) ☑ 80th % (39) ☑ Recent data (1,679)

Data Downloads and Footnotes
Wastewater surveillance data table and footnotes

View Historic Wastewater Data

Data Table for Wastewater Surveillance Current Virus Levels (in %)

Download Data ▾

Jurisdiction ▲	Sewershed ID ▲	Reporting Jurisdiction(s) ▲	County ▲	Population Served ▲	Current Virus Level ▲
Texas	1200	Texas	Travis	1,000,000	35
Texas	1201	Texas	Dallas	500,000	35
Texas	1202	Texas	Tarrant	1,000,000	35
Texas	2043	Texas	Dallas	313,748	37.07
Texas	2044	Texas	Andrews	13,276	39
Texas	566	Texas	El Paso	140,000	new site
Texas	567	Texas	El Paso	140,000	39
Texas	568	Texas	Galveston	26,400	39
Texas	675	Texas	El Paso	436,000	39.8
Texas	677	Texas	El Paso	436,000	39.8
Texas	759	Texas	El Paso	170,000	72.2
Texas	760	Texas	El Paso	170,000	72.2
Texas	807	Texas	Webb	140,000	40.4
Texas	1192	Texas	Nueces	350,000	40.9
Texas	1193	Texas	Nueces	350,000	40.9
Texas	1197	Texas	Tyler	114,407	54.6
Texas	1198	Texas	Wise	6,340	54.6
Texas	1211	Texas	Tarrant, Dallas, Collin, Denton	99,112	54.9
Texas	1218	Texas	Pecos-Cong Co.	30,000	20
Texas	1272	Texas	Franklin	5,000	54
Vermont	1157	Vermont	Lamoille, Washington, Orleans, Caledonia, Essex	50,000	22.4
Vermont	1158	Vermont	Windsor	4,500	22.4
Vermont	1753	Vermont	Windsor	4,500	20
Vermont	1754	Vermont	Windsor	4,500	20
Washington	1142	Washington	King, Snohomish, Pierce, Kitsap, Island, Clallam, Jefferson, Mason	1,700,000	36
Washington	1143	Washington	Yakima	250,000	36
Tennessee	1687	Tennessee	Chester	3,710	40
Tennessee	1688	Tennessee	Sumner	26,400	40
Tennessee	1323	Tennessee	Shelby, Tipton, Fayette	369,000	49.8
South Dakota	1264	South Dakota	Minnehaha, Lincoln	270,000	37.5
South Dakota	973	South Dakota	Pennington	80,000	12.9
South Dakota	1266	South Dakota	Brookings, Moody	21,500	new site
South Carolina	1238	South Carolina	Minnehaha, Lincoln	11,000	35.10
South Carolina	1239	South Carolina	Greenville	11,000	35.10
South Carolina	1241	South Carolina	Horry	30,000	46.3
South Carolina	1242	South Carolina	Horry	30,000	46.3
South Carolina	1265	South Carolina	Georgetown	12,000	53.6
Rhode Island	1262	Rhode Island	Bristol	6,000	new site
Rhode Island	1263	Rhode Island	Kent	6,000	new site
Rhode Island	1269	Rhode Island	Providence	240,000	14.9
Rhode Island	1270	Rhode Island	Providence	240,000	14.9
Rhode Island	464	Rhode Island	Providence	240,000	54.9
Rhode Island	465	Rhode Island	Kent	60,224	27.3
Rhode Island	1194	Rhode Island	Kent	60,224	27.3
Pennsylvania	1684	Pennsylvania	Lackawanna	10,000	20
Pennsylvania	1685	Pennsylvania	Bucks	10,000	new site
Pennsylvania	1686	Pennsylvania	Bucks	10,000	20
Pennsylvania	1684	Pennsylvania	Montgomery	10,000	24.9
Pennsylvania	1685	Pennsylvania	Montgomery	10,000	24.9
Oklahoma	831	Oklahoma	Bedford	11,000	32.4
Oklahoma	832	Oklahoma	Garfield	60,000	32.4
Oklahoma	1264	Oklahoma	Canadian	25,000	42.35
New York City	546	New York City	Kings	1,960,000	52.25
New York City	547	New York City	Kings	1,960,000	52.25
New York City	548	New York City	Kings	1,960,000	52.25
New York City	549	New York City	Kings	1,960,000	52.25
New York City	550	New York City	Queens	1,960,000	52.25
New York City	551	New York City	Queens	1,960,000	52.25
New York City	552	New York City	Kings	1,960,000	52.25
Nevada	1264	Nevada	Clark	1,000,000	27.4
Nevada	1265	Nevada	Clark	276,238	27.4
Nevada	703	Nevada	Clark	650,000	54.5
Nevada	704	Nevada	Clark	650,000	54.5
Nevada	705	Nevada	Clark	650,000	47.4
New Mexico	894	New Mexico	Los Alamos, Santa Fe	5,852	40.3
New Mexico	895	New Mexico	Los Alamos, Santa Fe	5,852	40.3
New Mexico	1266	New Mexico	Los Alamos	13,000	46.4
New Jersey	1267	New Jersey	Monmouth	50,000	new site
New Jersey	1201	New Jersey	Passaic	54,000	54
New Jersey	1202	New Jersey	Passaic	54,000	54
Nebraska	1268	Nebraska	Morrison	43,000	20
Nebraska	245	Nebraska	Carroll	25,000	40
North Dakota	1269	North Dakota	Ward	70,000	20
North Dakota	1463	North Dakota	Grand Forks	47,000	20
North Dakota	1270	North Dakota	Lower Cheney	20,000	new site
North Carolina	1271	North Carolina	Sandy	20,000	N/A
North Carolina	1272	North Carolina	Raven	20,000	20
North Carolina	1229	North Carolina	Rowan	37,128	54.3
North Carolina	1148	North Carolina	Surry	15,000	54.3
Missouri	1059	Missouri	Jefferson	12,000	new site
Minnesota	1273	Minnesota	Lower Cedar-Turtle River	1,000,000	15
Minnesota	783	Minnesota	Washington, Ramsey, Dakota, Anoka, Ramsey	1,950,000	15
Maine	716	Maine	Androscoggin	8,500	13.8
Maine	1274	Maine	Cumberland	27,000	13.8
Maine	247	Maine	York	5,000	64
Maine	1275	Maine	York	5,000	64
Maine	1362	Maine	York	21,000	54
Maine	1363	Maine	York	21,000	21.25
Maryland	563	Maryland	Wicomico	37,000	54
Maryland	1276	Maryland	Anne Arundel	100,000	54
Maryland	1277	Maryland	Anne Arundel	100,000	54
Maryland	1278	Maryland	Anne Arundel	100,000	54
Maryland	1279	Maryland	Anne Arundel	100,000	54
Maryland	1280	Maryland	Anne Arundel	100,000	54
Maryland	1281	Maryland	Anne Arundel	91,000	54
Massachusetts	1282	Massachusetts	Hampden	40,000	54
Massachusetts	1283	Massachusetts	Worcester	42,000	54
Louisiana	1284	Louisiana	Jefferson	100,000	54
Louisiana	1285	Louisiana	Jefferson	100,000	54
Louisiana	1286	Louisiana	Jefferson	100,000	N/A
Louisiana	1287	Louisiana	Lafayette	27,000	new site
Louisiana	1288	Louisiana	Lafayette	27,000	new site
Louisiana	1289	Louisiana	Lafayette	27,000	new site
Louisiana	1290	Louisiana	Lafayette	27,000	new site
Louisiana	1291	Louisiana	Lafayette	27,000	new site
Louisiana	1292	Louisiana	Lafayette	40,000	new site
Louisiana	1293	Louisiana	Lafayette	40,000	54
Louisiana	1294	Louisiana	Lafayette	40,000	54
Louisiana	1295	Louisiana	Lafayette	40,000	54
Louisiana	1296	Louisiana	Lafayette	40,000	54
Louisiana	1297	Louisiana	Lafayette	40,000	54
Louisiana	1298	Louisiana	Lafayette	40,000	54
Louisiana	1299	Louisiana	Lafayette	40,000	54
Louisiana	1300	Louisiana	Lafayette	40,000	54
Louisiana	1301	Louisiana	Lafayette	40,000	54
Louisiana	1302	Louisiana	Lafayette	40,000	new site
Louisiana	1303	Louisiana	Lafayette	40,000	new site
Louisiana	1304	Louisiana	Lafayette	40,000	new site
Louisiana	1305	Louisiana	Lafayette	40,000	new site
Louisiana	1306	Louisiana	Lafayette	40,000	new site
Louisiana	1307	Louisiana	Lafayette	40,000	new site
Kansas	1308	Kansas	Shawnee	21,000	54
Kansas	1309	Kansas	Shawnee	21,000	54
Kansas	807	Kansas	Johnson	27,000	17.5
Kansas	808	Kansas	Johnson	27,000	17.5
Kansas	1310	Kansas	Johnson	42,235	22
Kansas	1311	Kansas	Johnson	42,235	22
Indiana	808	Indiana	Hamilton	38,000	54
Indiana	1312	Indiana	Hamilton	38,000	54
Indiana	1313	Indiana	Allen	20,000	54
Indiana	1289	Indiana	Vigo	56,100	54
Indiana	1314	Indiana	Dubois	10,000	54
Indiana	1273	Indiana	Dubois	10,000	new site
Illinois	1315	Illinois	Rockville	20,000	54
Illinois	1316	Illinois	Cook	101,000	54
Illinois	1317	Illinois	Cook	101,000	54
Illinois	1318	Illinois	Cook	101,000	54
Illinois

Wyoming	1353	Wyoming	Sheridan	20,000
Wyoming	1354	Wyoming	Sublette	10,000
Arizona	1354	Arizona	Yuma	10,875
Arizona	1355	Arizona	Yavapai	10,000
Arizona	1356	Arizona	Yuma	10,000
Arizona	1372	Arizona	Maricopa	23,746
Arizona	1373	Arizona	Maricopa	10,000
Arizona	1372	Arizona	Maricopa	54,023
California	2008	California	San Joaquin	10,000
California	2009	California	San Joaquin	83,498
California	2010	California	San Joaquin	10,000
California	2011	California	San Joaquin	10,000
California	363	California	San Mateo, San Francisco	156,008
California	365	California	Sacramento	1,460,000
California	366	California	Sacramento	10,000
California	252	California	Napa	10,000
California	150	California	Lassen	5,419
California	151	California	Shasta	10,000
California	156	California	Lassen	11,667
California	157	California	El Paso	10,000
California	1525	California	Weld	13,776
California	1526	California	Weld	10,000
California	1527	California	Weld	10,000
California	1528	California	Garfield	10,734
California	1529	California	Otero	8,851
California	1918	California	Boulder	31,429
California	1919	California	Montezuma	11,218
California	226	California	Boulder	17,000
California	227	California	Boulder	44,000
California	252	California	Napa	10,000
California	150	California	Lassen	5,419
California	151	California	Shasta	10,000
California	157	California	El Paso	10,000
California	1525	California	Weld	13,776
California	1526	California	Weld	10,000
California	1527	California	Weld	10,000
California	1528	California	Garfield	10,734
California	1529	California	Otero	8,851
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California	1919	California	Montezuma	11,218
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California	227	California	Boulder	44,000
California	252	California	Napa	10,000
California	150	California	Lassen	5,419
California	151	California	Shasta	10,000
California	157	California	El Paso	10,000
California	1525	California	Weld	13,776
California	1526	California	Weld	10,000
California	1527	California	Weld	10,000
California	1528	California	Garfield	10,734
California	1529	California	Otero	8,851
California	1918	California	Boulder	31,429
California	1919	California	Montezuma	11,218
California	226	California	Boulder	17,000
California	227	California	Boulder	44,000
California	252	California	Napa	10,000
District of Columbia	2004	District of Columbia	District of Columbia	3,764
District of Columbia	2005	District of Columbia	District of Columbia	10,000
Delaware	1196	Delaware	Sussex	4,050
Delaware	1197	Delaware	Sussex	10,000
Florida	1144	Florida	Orange, Seminole, Volusia	51,000
Florida	1145	Florida	Volusia	10,000
Florida	1906	Florida	Lee	76,800
Florida	1907	Florida	Hillsborough, Pinellas	10,000
Florida	511	Florida	Pinellas	10,000
Florida	512	Florida	Hillsborough	10,000
Florida	671	Florida	Orange	40,623
Georgia	1973	Georgia	Gwinnett	10,000
Georgia	1974	Georgia	Paulding	8,000
Georgia	1975	Georgia	Gwinnett	10,000
Georgia	2374	Georgia	Fulton	3,897
Georgia	2375	Georgia	Fulton	10,000
Idaho	1129	Idaho	Bannock	10,000
Idaho	1129	Idaho	Kootenai	38,500
Idaho	1130	Idaho	Bannock	10,000
Idaho	1603	Idaho	Ada	17,535
Idaho	1604	Idaho	Canyon	10,000
Idaho	1919	Idaho	Canyon	120,000
Idaho	1920	Idaho	Ada	10,000
Illinois	1246	Illinois	Cook	1,000,000
Illinois	1247	Illinois	Lake	80,000
Illinois	1248	Illinois	Du Page	10,000
Illinois	1316	Illinois	Will	50,458
Illinois	1317	Illinois	Saint Clair	20,000
Illinois	1386	Illinois	McHenry	15,360
Illinois	1387	Illinois	Lake	10,000
Illinois	1388	Illinois	Kane	10,000
Illinois	1468	Illinois	Du Page	83,770
Illinois	1469	Illinois	McHenry	10,000
Illinois	1470	Illinois	Sangamon	10,000
Illinois	2125	Illinois	Saint Clair	20,000
Illinois	2366	Illinois	Champaign	10,000
Illinois	2367	Illinois	Champaign	10,000
Illinois	2368	Illinois	Champaign	10,000
Illinois	616	Illinois	Christian	12,653
Illinois	617	Illinois	McHenry	36,352
Illinois	618	Illinois	McHenry	4,096
Illinois	619	Illinois	Effingham	12,000
Illinois	620	Illinois	Clay	5,500
Illinois	621	Illinois	Effingham	10,000
Illinois	622	Illinois	Bureau	5,000
Illinois	627	Illinois	Morgan	23,818
Illinois	628	Illinois	McHenry	10,000
Illinois	635	Illinois	Cook	23,475
Illinois	636	Illinois	Cook	120,000
Illinois	635	Illinois	Cook	1,134,007
Illinois	636	Illinois	Cook	10,000
Illinois	637	Illinois	Cook	10,000
Illinois	638	Illinois	Cook	1,120,000
Illinois	639	Illinois	Cook	27,138
Illinois	640	Illinois	Lake	10,700
Illinois	641	Illinois	Lake	10,000
Illinois	642	Illinois	Lake	126,629
Illinois	643	Illinois	Lake	10,000
Illinois	644	Illinois	Kane	10,000
Illinois	651	Illinois	Carroll	5,415
Illinois	652	Illinois	Shelby	10,000
Illinois	653	Illinois	Macoupin	4,480
Illinois	654	Illinois	Whiteside	18,078
Illinois	674	Illinois	Cook	23,324
Illinois	675	Illinois	Cook	10,000
Illinois	676	Illinois	Cook	10,000
Illinois	675	Illinois	Cook	167,036
Illinois	676	Illinois	Boone	5,400
Illinois	857	Illinois	Lawrence	4,395
Illinois	858	Illinois	McHenry	10,000
Illinois	984	Illinois	Du Page	10,000
Illinois	1408	Illinois	Cook	21,000
Illinois	1409	Illinois	Jasper	5,000
Illinois	1410	Illinois	Jasper	10,000
Illinois	1411	Illinois	Marion	10,000
Illinois	1414	Illinois	Marion	450,000
Illinois	2155	Illinois	Dubois	10,000
Illinois	2156	Illinois	Orleans	47,000
Illinois	2157	Illinois	Tippecanoe	10,000
Illinois	2158	Illinois	Cook	10,000
Illinois	2159	Illinois	Cook	10,000
Illinois	2160	Illinois	Cook	10,000
Illinois	2161	Illinois	Cook	10,000
Illinois	2162	Illinois	Cook	10,000
Illinois	2163	Illinois	Cook	10,000
Illinois	2164	Illinois	Cook	10,000
Illinois	2165	Illinois	Cook	10,000
Illinois	2166	Illinois	Cook	10,000
Illinois	2167	Illinois	Cook	10,000
Illinois	2168	Illinois	Cook	10,000
Illinois	2169	Illinois	Cook	10,000
Illinois	2170	Illinois	Cook	10,000
Illinois	2171	Illinois	Cook	10,000
Illinois	2172	Illinois	Cook	10,000
Illinois	2173	Illinois	Cook	10,000
Illinois	2174	Illinois	Cook	10,000
Illinois	2175	Illinois	Cook	10,000
Illinois	2176	Illinois	Cook	10,000
Illinois	2177	Illinois	Cook	10,000
Illinois	2178	Illinois	Cook	10,000
Illinois	2179	Illinois	Cook	10,000
Illinois	2180	Illinois	Cook	10,000
Illinois	2181	Illinois	Cook	10,000
Illinois	2182	Illinois	Cook	10,000
Illinois	2183	Illinois	Cook	10,000
Illinois	2184	Illinois	Cook	10,000
Illinois	2185	Illinois	Cook	10,000
Illinois	2186	Illinois	Cook	10,000
Illinois	2187	Illinois	Cook	10,000
Illinois	2188	Illinois	Cook	10,000
Illinois	2189	Illinois	Cook	10,000
Illinois	2190	Illinois	Cook	10,000
Illinois	2191	Illinois	Cook	10,000
Illinois	2192	Illinois	Cook	10,000
Illinois	2193	Illinois	Cook	10,000
Illinois	2194	Illinois	Cook	10,000
Illinois	2195	Illinois	Cook	10,000
Illinois	2196	Illinois	Cook	10,000
Illinois	2197	Illinois	Cook	10,000
Illinois	2198	Illinois	Cook	10,000
Illinois	2199	Illinois	Cook	10,000
Illinois	2200	Illinois	Cook	10,000
Illinois	2201	Illinois	Cook	10,000
Illinois	2202	Illinois	Cook	10,000
Illinois	2203	Illinois	Cook	10,000
Illinois	2204	Illinois	Cook	10,000
Illinois	2205	Illinois	Cook	10,000
Illinois	2206	Illinois	Cook	10,000
Illinois	2207	Illinois	Cook	10,000
Illinois	2208	Illinois	Cook	10,000
Illinois	2209	Illinois	Cook	10,000
Illinois	2210	Illinois	Cook	10,000
Illinois	2211	Illinois	Cook	10,000
Illinois	2212	Illinois	Cook	10,000
Illinois	2213	Illinois	Cook	10,000
Illinois	2214	Illinois	Cook	10,000
Illinois	2215	Illinois	Jacksonville	5,000
Illinois	2216	Illinois	Cook	10,000
Illinois	2217	Illinois	Cook	10,000
Illinois	2218	Illinois	Cook	10,000
Illinois

Ohio	39	Clinton	27,933	0
Ohio	41	Crawford	12,205	0
Ohio	43	Erie	29,026	0
Ohio	49	Gallia	14,931	0
Ohio	53	Hancock	25,192	0
Ohio	55	Henry	9,000	0
Ohio	57	Jackson	11,125	0
Ohio	59	Jefferson	30,000	0
Ohio	61	Knox	17,000	0
Ohio	63	Lawrence	11,424	0
Ohio	65	Logan	13,000	0
Ohio	67	Marion	12,000	0
Ohio	69	Morrow	8,000	0
Ohio	71	Ottawa	11,000	0
Ohio	73	Pike	12,000	0
Ohio	75	Putnam	12,000	0
Ohio	77	Sandusky	25,000	0
Ohio	79	Scioto	25,000	0
Ohio	81	Tuscarawas	12,000	0
Ohio	83	Vinton	8,000	0
Ohio	85	Wayne	12,000	0
Ohio	87	Williams	12,000	0
Ohio	89	Wyandot	8,000	0
Oklahoma	1	Adair	10,000	0
Oklahoma	3	Alfalfa	10,000	0
Oklahoma	5	Atoka	10,000	0
Oklahoma	7	Beaver	10,000	0
Oklahoma	9	Beckham	10,000	0
Oklahoma	11	Blaine	10,000	0
Oklahoma	13	Bryan	10,000	0
Oklahoma	15	Caddo	10,000	0
Oklahoma	17	Canadian	10,000	0
Oklahoma	19	Carter	10,000	0
Oklahoma	21	Cherokee	10,000	0
Oklahoma	23	Choctaw	10,000	0
Oklahoma	25	Cimarron	10,000	0
Oklahoma	27	Cleveland	10,000	0
Oklahoma	29	Coal	10,000	0
Oklahoma	31	Comanche	10,000	0
Oklahoma	33	Cotton	10,000	0
Oklahoma	35	Craig	10,000	0
Oklahoma	37	Creek	10,000	0
Oklahoma	39	Custer	10,000	0
Oklahoma	41	Delaware	10,000	0
Oklahoma	43	Dewey	10,000	0
Oklahoma	45	Ellis	10,000	0
Oklahoma	47	Garfield	10,000	0
Oklahoma	49	Garvin	10,000	0
Oklahoma	51	Grady	10,000	0
Oklahoma	53	Grant	10,000	0
Oklahoma	55	Greer	10,000	0
Oklahoma	57	Harmon	10,000	0
Oklahoma	59	Harper	10,000	0
Oklahoma	61	Haskell	10,000	0
Oklahoma	63	Hughes	10,000	0
Oklahoma	65	Jackson	10,000	0
Oklahoma	67	Jefferson	10,000	0
Oklahoma	69	Johnston	10,000	0
Oklahoma	71	Kay	10,000	0
Oklahoma	73	Kiowa	10,000	0
Oklahoma	75	Latimer	10,000	0
Oklahoma	77	Le Flore	10,000	0
Oklahoma	79	Lincoln	10,000	0
Oklahoma	81	Logan	10,000	0
Oklahoma	83	Love	10,000	0
Oklahoma	85	McClain	10,000	0
Oklahoma	87	McCurtain	10,000	0
Oklahoma	89	McIntosh	10,000	0
Oklahoma	91	Major	10,000	0
Oklahoma	93	Marshall	10,000	0
Oklahoma	95	Mayes	10,000	0
Oklahoma	97	Murray	10,000	0
Oklahoma	99	Muskogee	10,000	0
Oklahoma	101	Noble	10,000	0
Oklahoma	103	Nowata	10,000	0
Oklahoma	105	Okfuskee	10,000	0
Oklahoma	107	Oklahoma	10,000	0
Oklahoma	109	Okmulgee	10,000	0
Oklahoma	111	Osage	10,000	0
Oklahoma	113	Ottawa	10,000	0
Oklahoma	115	Pawnee	10,000	0
Oklahoma	117	Payne	10,000	0
Oklahoma	119	Pittsburg	10,000	0
Oklahoma	121	Pontotoc	10,000	0
Oklahoma	123	Pottawatomie	10,000	0
Oklahoma	125	Pushmataha	10,000	0
Oklahoma	127	Roger Mills	10,000	0
Oklahoma	129	Rogers	10,000	0
Oklahoma	131	Mayes	10,000	0
Oklahoma	133	Seminole	10,000	0
Oklahoma	135	Sequoyah	10,000	0
Oklahoma	137	Stephens	10,000	0
Oklahoma	139	Texas	10,000	0
Oklahoma	141	Tillman	10,000	0
Oklahoma	143	Tulsa	10,000	0
Oklahoma	145	Wagoner	10,000	0
Oklahoma	147	Washington	10,000	0
Oklahoma	149	Washita	10,000	0
Oklahoma	151	Woods	10,000	0
Oklahoma	153	Woodward	10,000	0
Oregon	1	Baker	10,000	0
Oregon	3	Benton	10,000	0
Oregon	5	Clackamas	10,000	0
Oregon	7	Clatsop	10,000	0
Oregon	9	Columbia	10,000	0
Oregon	11	Coos	10,000	0
Oregon	13	Crook	10,000	0
Oregon	15	Curry	10,000	0
Oregon	17	Deschutes	10,000	0
Oregon	19	Douglas	10,000	0
Oregon	21	Gilliam	10,000	0
Oregon	23	Grant	10,000	0
Oregon	25	Harney	10,000	0
Oregon	27	Hood River	10,000	0
Oregon	29	Jefferson	10,000	0
Oregon	31	Jackson	10,000	0
Oregon	33	Josephine	10,000	0
Oregon	35	Klamath	10,000	0
Oregon	37	Lake	10,000	0
Oregon	39	Lane	10,000	0
Oregon	41	Lincoln	10,000	0
Oregon	43	Linn	10,000	0
Oregon	45	Malheur	10,000	0
Oregon	47	Marion	10,000	0
Oregon	49	Morrow	10,000	0
Oregon	51	Multnomah	10,000	0
Oregon	53	Polk	10,000	0
Oregon	55	Sherman	10,000	0
Oregon	57	Tillamook	10,000	0
Oregon	59	Union	10,000	0
Oregon	61	Wallowa	10,000	0
Oregon	63	Wasco	10,000	0
Oregon	65	Washington	10,000	0
Oregon	67	Wheeler	10,000	0
Oregon	69	Yamhill	10,000	0
Pennsylvania	1	Adams	10,000	0
Pennsylvania	3	Allegheny	10,000	0
Pennsylvania	5	Armstrong	10,000	0
Pennsylvania	7	Beaver	10,000	0
Pennsylvania	9	Bedford	10,000	0
Pennsylvania	11	Berks	10,000	0
Pennsylvania	13	Blair	10,000	0
Pennsylvania	15	Bradford	10,000	0
Pennsylvania	17	Bucks	10,000	0
Pennsylvania	19	Butler	10,000	0
Pennsylvania	21	Cambria	10,000	0
Pennsylvania	23	Cameron	10,000	0
Pennsylvania	25	Carbon	10,000	0
Pennsylvania	27	Centre	10,000	0
Pennsylvania	29	Chester	10,000	0
Pennsylvania	31	Clarion	10,000	0
Pennsylvania	33	Clearfield	10,000	0
Pennsylvania	35	Clinton	10,000	0
Pennsylvania	37	Columbia	10,000	0
Pennsylvania	39	Crawford	10,000	0
Pennsylvania	41	Cumberland	10,000	0
Pennsylvania	43	Dauphin	10,000	0
Pennsylvania	45	Delaware	10,000	0
Pennsylvania	47	Elk	10,000	0
Pennsylvania	49	Erie	10,000	0
Pennsylvania	51	Fayette	10,000	0
Pennsylvania	53	Forest	10,000	0
Pennsylvania	55	Franklin	10,000	0
Pennsylvania	57	Fulton	10,000	0
Pennsylvania	59	Greene	10,000	0
Pennsylvania	61	Huntingdon	10,000	0
Pennsylvania	63	Indiana	10,000	0
Pennsylvania	65	Jefferson	10,000	0
Pennsylvania	67	Juniata	10,000	0
Pennsylvania	69	Lackawanna	10,000	0
Pennsylvania	71	Lancaster	10,000	0
Pennsylvania	73	Lawrence	10,000	0
Pennsylvania	75	Lebanon	10,000	0
Pennsylvania	77	Lehigh	10,000	0
Pennsylvania	79	Luzerne	10,000	0
Pennsylvania	81	Lycoming	10,000	0
Pennsylvania	83	McKean	10,000	0
Pennsylvania	85	Mercer	10,000	0
Pennsylvania	87	Mifflin	10,000	0
Pennsylvania	89	Monroe	10,000	0
Pennsylvania	91	Montgomery	10,000	0
Pennsylvania	93	Montour	10,000	0
Pennsylvania	95	Northampton	10,000	0
Pennsylvania	97	Northumberland	10,000	0
Pennsylvania	99	Perry	10,000	0
Pennsylvania	101	Philadelphia	10,000	0
Pennsylvania	103	Pike	10,000	0
Pennsylvania	105	Potter	10,000	0
Pennsylvania	107	Schuylkill	10,000	0
Pennsylvania	109	Snyder	10,000	0
Pennsylvania	111	Somerset	10,000	0
Pennsylvania	113	Sullivan	10,000	0
Pennsylvania	115	Susquehanna	10,000	0
Pennsylvania	117	Tioga	10,000	0
Pennsylvania	119	Union	10,000	0
Pennsylvania	121	Venango	10,000	0
Pennsylvania	123	Warren	10,000	0
Pennsylvania	125	Washington	10,000	0
Pennsylvania	127	Wayne	10,000	0
Pennsylvania	129	Westmoreland	10,000	0
Pennsylvania	131	Wyoming	10,000	0
Pennsylvania	133	York	10,000	0
Rhode Island	1	Bristol	10,000	0
Rhode Island	3	Kent	10,000	0
Rhode Island	5	Newport	10,000	0
Rhode Island	7	Providence	10,000	0
Rhode Island	9	Washington	10,000	0
South Carolina	1	Abbeville	10,000	0
South Carolina	3	Aiken	10,000	0
South Carolina	5	Anderson	10,000	0
South Carolina	7	Bamberg	10,000	0
South Carolina	9	Barnwell	10,000	0
South Carolina	11	Beaufort	10,000	0
South Carolina	13	Berkeley	10,000	0
South Carolina	15	Calhoun	10,000	0
South Carolina	17	Charleston	10,000	0
South Carolina	19	Cherokee	10,000	0
South Carolina	21	Chesterfield	10,000	0
South Carolina	23	Clarendon	10,000	0
South Carolina	25	Colleton	10,000	0
South Carolina	27	Darlington	10,000	0
South Carolina	29	Dillon	10,000	0
South Carolina	31	Dorchester	10,000	0
South Carolina	33	Edgefield	10,000	0
South Carolina	35	Fairfield	10,000	0
South Carolina	37	Florence	10,000	0
South Carolina	39	Georgetown	10,000	0
South Carolina	41	Greenville	10,000	0
South Carolina	43	Greenwood	10,000	0
South Carolina	45	Hampton	10,000	0
South Carolina	47	Horry	10,000	0
South Carolina	49	Jasper	10,000	0
South Carolina	51	Kershaw	10,000	0
South Carolina	53	Lancaster	10,000	0
South Carolina	55	Laurens	10,000	0
South Carolina	57	Lee	10,000	0
South Carolina	59	Lexington	10,000	0
South Carolina	61	McCormick	10,000	0
South Carolina	63	Marion	10,000	0
South Carolina	65	Marlboro	10,000	0
South Carolina	67	Newberry	10,000	0
South Carolina	69	Oconee	10,000	0
South Carolina	71	Orangeburg	10,000	0
South Carolina	73	Pickens	10,000	0
South Carolina	75	Richland	10,000	0
South Carolina	77	Saluda	10,000	0
South Carolina	79	Spartanburg	10,000	0
South Carolina	81	Sumter	10,000	0
South Carolina	83	Union	10,000	0
South Carolina	85	Williamsburg	10,000	0
South Carolina	87	York	10,000	0
South Dakota	1	Aurora	10,000	0
South Dakota	3	Beadle	10,000	0
South Dakota	5	Bennett	10,000	0
South Dakota	7	Bon Homme	10,000	0
South Dakota	9	Brookings	10,000	0
South Dakota	11	Brown	10,000	0
South Dakota	13	Brule	10,000	0
South Dakota	15	Buffalo	10,000	0
South Dakota	17	Butte	10,000	0
South Dakota	19	Campbell	10,000	0
South Dakota	21	Charles Mix	10,000	0
South Dakota	23	Clark	10,000	0
South Dakota	25	Clay	10,000	0
South Dakota	27	Codington	10,000	0
South Dakota	29	Corson	10,000	0
South Dakota	31	Custer	10,000	0
South Dakota	33	Davison	10,000	0
South Dakota	35	Day	10,000	0
South Dakota	37	Deuel	10,000	0
South Dakota	39	Dewey	10,000	0
South Dakota	41	Douglas	10,000	0
South Dakota	43	Edmunds	10,000	0
South Dakota	45	Fall River	10,000	0
South Dakota	47	Faulk	10,000	0
South Dakota	49	Grant	10,000	0
South Dakota	51	Gregory	10,000	0
South Dakota	53	Haakon	10,000	0
South Dakota	55	Hamlin	10,000	0
South Dakota	57	Hand	10,000	0
South Dakota	59	Hanson	10,000	0
South Dakota	61	Harding	10,000	0
South Dakota	63	Hughes	10,000	0
South Dakota	65	Hutchinson	10,000	0
South Dakota	67	Hyde	10,000	0
South Dakota	69	Jackson	10,000	0
South Dakota	71	Jerauld	10,000	0
South Dakota	73	Jones	10,000	0
South Dakota	75	Kingsbury	10,000	0
South Dakota	77	Lake	10,000	0
South Dakota	79	Lawrence	10,000	0
South Dakota	81	Lincoln	10,000	0
South Dakota	83	Lyman	10,000	0
South Dakota	85	McCook	10,000	0
South Dakota	87	McPherson	10,000	0
South Dakota	89	Marshall	10,000	0
South Dakota	91	Meade	10,000	0
South Dakota	93	Mellette	10,000	0
South Dakota	95	Miner	10,000	0
South Dakota	97	Minnehaha	10,000	0
South Dakota	99	Moody	10,000	0
South Dakota	101	Pennington	10,000	0
South Dakota	103	Perkins	10,000	0
South Dakota	105	Potter	10,000	0
South Dakota	107	Roberts	10,000	0
South Dakota	109	Sanborn	10,000	0
South Dakota	111	Shannon	10,000	0
South Dakota	113	Spink	10,000	0
South Dakota	115	Stanley	10,000	0
South Dakota	117	Sully	10,000	0
South Dakota	119	Tripp	10,000	0
South Dakota	121	Turner	10,000	0
South Dakota	123	Union	10,000	0
South Dakota	125	Walworth	10,000	0
South Dakota	127	Yankton	10,000	0
South Dakota	129	Ziebach	10,000	0
Tennessee	1	Anderson	10,000	0
Tennessee	3	Bedford	10,000	0
Tennessee	5	Benton	10,000	0
Tennessee	7	Bledsoe	10,000	0
Tennessee	9	Blount	10,000	0
Tennessee	11	Bradley	10,000	0
Tennessee	13	Campbell	10,000	0
Tennessee	15	Cannon	10,000	0
Tennessee	17	Carroll	10,000	0
Tennessee	19	Carter	10,000	0
Tennessee	21	Cheatham	10,000	0
Tennessee	23	Chester	10,000	0
Tennessee	25	Claiborne	10,000	0
Tennessee	27	Clay	10,000	0
Tennessee	29	Cocke	10,000	0
Tennessee	31	Coffee	10,000	0
Tennessee	33	Crockett	10,000	0
Tennessee	35	Cumberland	10,000	0
Tennessee	37	Davidson	10,000	0
Tennessee	39	Decatur	10,000	0
Tennessee	41	DeKalb	10,000	0
Tennessee	43	Dickson	10,000	0
Tennessee	45	Dyer	10,000	0
Tennessee	47	Fayette	10,000	0
Tennessee	49	Fentress	10,000	0
Tennessee	51	Franklin	10,000	0
Tennessee	53	Gibson	10,000	0
Tennessee	55	Giles	10,000	0
Tennessee	57	Grainger	10,000	0
Tennessee	59	Greene	10,000	0
Tennessee	61	Grundy	10,000	0
Tennessee	63	Hamblen	10,000	0
Tennessee	65	Hamilton	10,000	0
Tennessee	67	Hancock	10,000	0
Tennessee	69	Hardeman	10,000	0
Tennessee	71	Hardin	10,000	0
Tennessee	73	Hawkins	10,000	0
Tennessee	75	Haywood	10,000	0
Tennessee	77	Henderson	10,000	0
Tennessee	79	Henry	10,000	0
Tennessee	81	Hickman	10,000	0
Tennessee	83	Houston	10,000	0
Tennessee	85	Humphreys	10,000	0
Tennessee	87	Jackson	10,000	0
Tennessee	89	Jefferson	10,000	0
Tennessee	91	Johnson	10,000	0
Tennessee	93	Knox	10,000	0
Tennessee	95	Lake	10,000	0
Tennessee	97	Lauderdale	10,000	0
Tennessee	99	Lawrence	10,000	0
Tennessee	101	Lewis	10,000	0
Tennessee	103	Lincoln	10,000	0
Tennessee	105	Loudon	10,000	0
Tennessee	107	McMinn	10,000	0
Tennessee	109	McNairy	10,000	0
Tennessee	111	Macon	10,000	0
Tennessee	113	Madison	10,000	0
Tennessee	115	Marion	10,000	0
Tennessee	117	Marshall	10,000	0
Tennessee	119	Maury	10,000	0
Tennessee	121	Meigs	10,000	0
Tennessee	123	Monroe	10,000	0
Tennessee	125	Montgomery	10,000	0
Tennessee	127	Moore	10,000	0
Tennessee	129	Morgan	10,000	0
Tennessee	131	Obion	10,000	0
Tennessee	133	Overton	10,000	0
Tennessee	135	Perry	10,000	0
Tennessee	137	Pickett	10,000	0
Tennessee	139	Polk	10,000	0
Tennessee	141	Putnam	10,000	0
Tennessee	143	Rhea	10,000	0
Tennessee	145	Roane	10,000	0
Tennessee	147	Robertson	10,000	0
Tennessee	149	Rutherford	10,000	0
Tennessee	151	Scott	10,000	0
Tennessee	153	Sevier	10,000	0
Tennessee	155	Shelby	10,000	0
Tennessee	157	Smith	10,000	0
Tennessee	159	Stewart	10,000	0
Tennessee	161	Sullivan	10,000	0
Tennessee	163	Sumner	10,000	0
Tennessee	165	Tipton	10,000	0
Tennessee	167	Trousdale	10,000	0
Tennessee	169	Unicoi	10,000	0
Tennessee	171	Union	10,000	0
Tennessee	173	Van Buren	10,000	0
Tennessee	175	Warren	10,000	0
Tennessee	177	Washington	10,000	0
Tennessee	179	Wayne	10,000	0
Tennessee	181	Weakley	10,000	0
Tennessee	183	White	10,000	0
Tennessee	185	Williamson	10,000	0
Tennessee	187	Wilson	10,000	0
Texas	1	Anderson	10,000	0
Texas	3	Andrews	10,000	0
Texas	5	Angelina	10,000	0
Texas	7	Aransas	10,000	0
Texas	9	Archer	10,000	0
Texas	11	Armstrong	10,000	0
Texas	13	Atascosa	10,000	0
Texas	15	Austin	10,000	0
Texas	17	Bailey	10,000	0
Texas	19	Bandera	10,000	0
Texas	21	Bastrop	10,000	0
Texas	23	Baylor	10,000	0
Texas	25	Bee	10,000	0
Texas	27	Bell	10,000	0
Texas	29	Bexar	10,000	0
Texas	31	Blanco	10,000	0
Texas	33	Borden	10,000	0
Texas	35	Bosque	10,000	0
Texas	37	Bowie	10,000	0
Texas	39	Brazoria	10,000	0
Texas	41	Brazos	10,000	0
Texas	43	Brewster	10,000	0
Texas	45	Briscoe	10,000	0
Texas	47	Brooks	10,000	0
Texas	49	Brown	10,000	0
Texas	51	Burleson	10,000	0
Texas	53	Burnet	10,000	0
Texas	55	Caldwell	10,000	0
Texas	57	Calhoun	10,000	0
Texas	59	Callahan	10,000	0
Texas	61	Cameron	10,000	0
Texas	63	Camp	10,000	0
Texas	65	Carson	10,000	0
Texas	67	Cass	10,000	0
Texas	69	Castro	10,000	0
Texas	71	Chambers	10,000	0
Texas	73	Cherokee	10,000	0
Texas	75	Childress	10,000	0
Texas	77	Clay	10,000	0
Texas	79	Cochran	10,000	0
Texas	81	Coke	10,000	0
Texas	83	Coleman	10,000	0
Texas	85	Collin	10,000	0
Texas	87	Collingsworth	10,000	0
Texas	89	Colorado	10,000	0
Texas	91	Comal	10,000	0
Texas	93	Comanche	10,000	0
Texas	95	Concho	10,000	0
Texas	97	Cooke	10,000	0
Texas	99	Coryell	10,000	0
Texas	101	Cottle	10,000	0
Texas	103	Crane	10,000	0
Texas	105	Crockett	10,000	0
Texas	107	Crosby	10,000	0
Texas	109	Dallam	10,000	0
Texas	111	Dallas	10,000	0
Texas	113	Dawson	10,000	0
Texas	115	Deaf Smith	10,000	0
Texas	117	Delta	10,000	0
Texas	119	Denton	10,000	0
Texas	121	DeWitt	10,000	0
Texas	123	Dickens	10,000	0
Texas	125	Dimmit	10,000	0
Texas	127	Donley	10,000	0
Texas	129	Duval	10,000	0
Texas	131	Eastland	10,000	0
Texas	133	Ector	10,000	0
Texas	135	Edwards	10,000	0
Texas	137	Ellis	10,000	0
Texas	139	El Paso	10,000	0
Texas	141	Erath	10,000	0
Texas	143	Falls	10,000	0
Texas	145	Fannin	10,000	0
Texas	147	Fayette	10,000	0
Texas	149	Fisher	10,000	0
Texas	151	Floyd	10,000	0
Texas	153	Foard	10,000	0
Texas	155	Fort Bend	10,000	0
Texas	157	Franklin	10,000	0
Texas	159	Freestone	10,000	0
Texas	161	Frio	10,000	0
Texas	163	Gaines	10,000	0
Texas	165	Galveston	10,000	0
Texas	167	Garza	10,000	0
Texas	169	Gillespie	10,000	0
Texas	171	Glasscock	10,000	0
Texas	173	Goliad	10,000	0
Texas	175	Gonzales	10,000	0
Texas	177	Gray	10,000	0
Texas	179	Grayson	10,000	0
Texas	181	Gregg	10,000	0
Texas	183	Grimes	10,000	0
Texas	185	Guadalupe	10,000	0
Texas	187	Hale	10,000	0
Texas	189	Hall	10,000	0
Texas	191	Hamilton	10,000	0
Texas	193	Hansford	10,000	0
Texas	195	Hardeman	10,000	0
Texas	197	Hartley	10,000	0
Texas	199	Haskell	10,000	0
Texas	201	Hays	10,000	0
Texas	203	Hemphill	10,000	0
Texas	205	Henderson	10,000	0
Texas	207	Hidalgo	10,000	0
Texas	209	Hill	10,000	0
Texas	211	Hockley	10,000	0
Texas	213	Hood	10,000	0
Texas	215	Hopkins	10,000	0
Texas	217	Houston	10,000	0
Texas	219	Howard	10,000	0
Texas	221	Hudspeth	10,000	0
Texas	223	Hunt	10,000	0
Texas	225	Hutchinson	10,000	0
Texas	227	Irion	10,000	0
Texas	229	Jack	10,000	0
Texas	231	Jackson	10,000	0
Texas	233	Jasper	10,000	0
Texas	235	Jeff Davis	10,000	0
Texas	237	Jefferson	10,000	0
Texas	239	Jim Hogg	10,000	0
Texas	241	Jim Wells	10,000	0
Texas	243	Johnson	10,000	0
Texas	245	Jones	10,000	0
Texas	247	Karnes	10,000	0
Texas	249	Kaufman	10,000	0
Texas	251	Kendall	10,000	0
Texas	253	Kenedy	10,000	0
Texas	255	Kent	10,000	0
Texas	257	Kerr	10,000	0
Texas	259	Kimble	10,000	0
Texas	261	King	10,000	0
Texas	263	Kinney	10,000	0
Texas	265	Kleberg	10,000	0
Texas	267	Knox	10,000	0
Texas	269	Lamar	10,000	0
Texas	271	Lamb	10,000	0
Texas	273	Lampasas	10,000	0
Texas	275	La Salle	10,000	0
Texas	277	Lavaca	10,000	0
Texas	279	Lee	10,000	0
Texas	281	Leon	10,000	0
Texas	283	Liberty	10,000	0
Texas	285	Limestone	10,000	0
Texas	287	Lipscomb	10,000	0
Texas	289	Live Oak	10,000	0
Texas	291	Llano	10,000	0
Texas	293	Loving	10,000	0
Texas	295	Lubbock	10,000	0
Texas	297	Lynn	10,000	0
Texas	299	McCulloch	10,000	0
Texas	301	McLennan	10,000	0
Texas	303	McMullen	10,000	0
Texas	305	Madison	10,000	0
Texas	307	Marion	10,000	0
Texas	309	Martin	10,000	0
Texas	311	Mason	10,000	0
Texas	313	Matagorda	10,000	0
Texas	315	Maverick	10,000	0
Texas	317	Medina	10,000	0
Texas	319	Menard	10,000	0
Texas	321	Midland	10,000	0
Texas	323	Milam	10,000	0
Texas	325	Mills	10,000	0
Texas	327	Mitchell	10,000	0
Texas	329	Montague	10,000	0
Texas	331	Montgomery	10,000	0
Texas	333	Moore	10,000	0
Texas	335	Morris	10,000	0
Texas	337	Motley	10,000	0
Texas	339	Nacogdoches	10,000	0
Texas	341	Navarro	10,000	0
Texas	343	Newton	10,000	0
Texas	345	Nolan	10,000	0
Texas	347	Nueces	10,000	0
Texas	349	Ochiltree	10,000	0
Texas	351	Oldham	10,000	0
Texas	353	Orange	10,000	0
Texas	355	Palo Pinto	10,000	0
Texas	357	Panola	10,000	0
Texas	359	Parker	10,000	0
Texas	361	Parmer	10,000	0
Texas	363	Pecos	10,000	0
Texas	365	Polk	10,000	0
Texas	367	Potter	10,000	0
Texas	369	Presidio	10,000	0
Texas	371	Rains	10,000	0
Texas	373	Randall	10,000	0
Texas	375	Reagan	10,000	0
Texas	377	Real	10,000	0
Texas	379	Red River	10,

Tennessee	1377	Sullivan	Bristol	153,048
South Dakota	1378	Brown	Aberdeen	39,115
Tennessee	1379	Sullivan	Kingsport	53,814
Tennessee	1380	Sullivan	Blountville	55,602
Tennessee	1381	Sullivan	Bristol	53,048
Tennessee	1382	Sullivan	Bristol	53,048
Tennessee	1383	Sullivan	Kingsport	53,814
Tennessee	1384	Sullivan	Kingsport	53,814
Tennessee	1385	Sullivan	Kingsport	53,814
Tennessee

New York	2102	New York	2102
New York	2103	Orleans	14,507
New York	2104	Orleans	14,507
New York	2176	New York	Chemung	38,007	17,167
New York	2177	New York	Chemung	38,007	17,167
New York	2179	New York	Erie	28,401	52,4
New York	2180	New York	Erie	28,401	52,4
New York	2181	New York	Chautauqua	5,342	new site
New York	2186	New York	Orleans	14,507	14,507
New York	2187	New York	Orleans	14,507	14,507
New York	2194	New York	Saratoga	152,460	95
New York	2195	New York	Erie	28,401	52,4
New York	2200	New York	Jefferson	23,485	39,2
New York	2201	New York	Jefferson	23,485	39,2
New York	2202	New York	Jefferson	23,485	39,2
New York	2203	New York	Saratoga	152,460	95
New York	2204	New York	Seneca	5,291	new site
New York	2205	New York	Chautauqua	5,342	new site
New York	2206	New York	Chautauqua	5,342	new site
New York	2207	New York	Chautauqua	5,342	new site
New York	2208	New York	Seneca	5,291	new site
New York	2209	New York	Seneca	5,291	new site
New York	2210	New York	Franklin	7,175	31
New York	2211	New York	Franklin	7,175	31
New York	2212	New York	Franklin	7,175	31
New York

2 concentration estimates may differ across these lab methods, concentration values should not be compared across sampling locations. Instead, percent change in SARS-CoV-2 concentrations and current levels compared to past levels at the same site are provided. These metrics are more comparable across lab methods. When testing a sample, SARS-CoV-2 is considered detected when any PCR replicates for the sample were positive. Positive is defined for RT-qPCR as a Ct value less than 40 and for RT-ddPCR as 3 or more positive droplets/partitions. Learn more on the Wastewater Surveillance Testing Methods page.

Data download

- These data can be downloaded from data.cdc.gov: NWSS Public SARS-CoV-2 Wastewater Metric Data and NWSS Public SARS-CoV-2 Concentration in Wastewater Data
- The data dictionary for these data (Public Analytics Data Dictionary) is also available.
- To request detailed wastewater data, including a full-time history of raw concentrations, email nwss@cdc.gov with the subject line 'NWSS public data request.' You will be required to sign a data use agreement.

How does wastewater surveillance work?

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 thousands to millions of individuals. Learn more: National Wastewater Surveillance System (NWSS).

If it looks like virus levels in wastewater are rising in my community, what should I do?

Check your county's COVID-19 Community Level and follow the recommended prevention steps.

Public health officials watch for sustained increasing levels of the virus in wastewater and use these data to inform public health decisions. State and local health officials track a variety of data and put this information together to understand the local COVID-19 situation and decide how to best respond.

How do I build NWSS in my community?

Wastewater-based disease surveillance is an exciting new tool to help communities monitor their health. Find information on what to consider when implementing a wastewater-based disease surveillance system.

Is there wastewater sampling in my community?

New sampling sites are being added over time as health departments begin sampling and reporting wastewater surveillance data. Some communities not represented on this dashboard may be conducting wastewater surveillance. If you would like to know if wastewater surveillance is happening in your community, contact your health department or local government. At this time, CDC does not release the names of the wastewater treatment plants or zip codes where sampling sites are located. However, information on the counties served by the wastewater sampling sites is provided.

Cite COVID Data Tracker

Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: U.S. Department of Health and Human Services, CDC; 2023, August 20. https://covid.cdc.gov/covid-data-tracker

COVID-19 Home >

All COVID-19 topics including prevention, travel, work, and school