COVID Data Tracker

United States As of 6/2/22 | Cases Total 79,694,244 (+0) 30 Days | Deaths Total 962,881 (+0) 30 Days | 81.7% of People 5+ with At Least One Vaccination Show Vaccinations

Use CDC's COVID-19 Community Levels to determine the level of healthcare burden and disease spread in your community and take action. Check back soon for COVID Data Tracker updates incorporating COVID-19 hospital admissions data.

SARS-CoV-2 RNA Levels in Wastewater in the United States

Maps, charts, and data provided by CDC, updated by 8pm ET. Represents all wastewater data submitted to the CDC's National Wastewater Surveillance System (NCWSS) platform, subject to suppression criteria described in methods.

For more information on wastewater surveillance, please visit the National Wastewater Surveillance System page.

View Methodology and Download Data

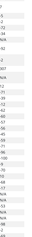
State or territory: | County:

Time Period: Feb 07, 2022 - Feb 21, 2022

Map Metric:
15-day percent change ▼

Show Selections

Major Cities-Cts | Major Cities-Off



Select legend categories to filter points on the map.

-100% -50% 0% 50% 1K% 5K% 15K% 100% 1000% 10000%
100% or more | No data | Hide

Data Downloads and Footnotes

Expand each accordion to view data table and download data

Data Table for Wastewater Surveillance 15-Day Percent Change

Download Data

Jurisdiction	Sewershed ID	Reporting Jurisdiction	County	Population Served	15-Day Percent Change
Arizona	1	Arizona	Pima	10,196	127
Arizona	715	Arizona	Pima	418,208	N/A
Arkansas	2	Arkansas	La Paz	3,500	3,500
Arkansas	591	Arkansas	Mississippi	6,500	-85
California	3	California	Kern	116,704	64,347
California	353	California	Santa Clara	1,500,000	-13
California	354	California	Santa Clara	1,500,000	1,500
California	355	California	Santa Clara	170,000	1,700
California	352	California	Santa Clara	110,338	-25
California	351	California	San Mateo	100,000	1,000
California	357	California	Ventura, Los Angeles	100,000	N/A
California	356	California	San Diego	2,200,000	-98
California	358	California	Los Angeles	1,000,000	1,000
California	359	California	Los Angeles	70,727	8
California	570	California	Alameda, Contra Costa	784,000	10,630,786
California	571	California	Sonoma	170,000	N/A
California	572	California	Los Angeles	3,500,000	2
California	543	California	San Benito	40,000	145
California	573	California	San Mateo, San Francisco, San Mateo	210,000	833
California	363	California	San Francisco, San Mateo	750,000	-88
California	258	California	Stanislaus	230,000	N/A
California	259	California	Tulare	460,000	N/A
California	364	California	Santa Clara	153,000	-41
California	574	California	Alameda	60,000	-61
California	362	California	San Mateo, San Francisco	290,000	1
California	575	California	Los Angeles	1,480,000	3
California	305	California	Santa Clara	236,000	-7
California	306	California	Contra Costa	1,000,000	1,000
California	307	California	Imperial	80,000	-23
California	734	California	Contra Costa	215,000	N/A
California	215	California	Los Angeles, Los Angeles	4,000,000	42
California	576	California	Monterey, Santa Cruz	60,000	1
California	88	California	Santa Clara	484,800	307
California	495	California	Santa Cruz, Monterey	60,000	N/A
California	577	California	Humboldt	45,000	1
California	251	California	Denver	345,453	-71
California	252	California	Los Angeles, Denver	1,000,000	1,000
California	253	California	Arapahoe, Adams	398,810	-12
California	329	California	Pueblo	96,514	-62
California	330	California	Larimer	211,158	-51
California	58	California	Weld, Larimer	7,946	-57
California	224	California	Denver, Adams	75,543	-45
California	227	California	Larimer	66,428	-45
California	228	California	Weld	60,000	-45
California	229	California	Boulder	89,383	-45
California	252	California	Denver	709,904	-96
California	253	California	Denver	9,292	-96
California	117	California	El Paso	303,856	-9
California	157	California	Broomfield	55,355	-9
California	152	California	Larimer	26,621	10
California	153	California	Weld	34,000	10
California	154	California	Weld	34,500	-17
California	408	California	Summit	35,643	N/A
California	409	California	Morgan	100,000	N/A
California	116	California	El Paso	102,203	-53
California	161	California	Douglas	16,794	N/A
California	396	California	San Miguel	15,000	N/A
California	397	California	Montezuma	15,000	N/A
California	163	California	Larimer	11,931	-17
California	162	California	Weld	83,919	-69
California	164	California	Larimer	5,818	-69
California	636	California	La Plata	33,429	N/A
California	637	California	Rio Blanco	15,000	N/A
Connecticut	66	Connecticut	New Haven	150,000	-7
Connecticut	67	Connecticut	Fairfield	100,000	1
District of Columbia	68	District of Columbia	Fairfax, Loudoun, Montgomery, District Of Columbia	2,000,000	732,770
Florida	668	Florida	Miami-Dade	500,000	N/A
Florida	496	Florida	Brevard	10,000	1
Florida	669	Florida	Hillsborough	197,000	1,906
Florida	670	Florida	Lee	1,263,100	-41
Florida	671	Florida	Orange	463,672	-95
Florida	671	Florida	Pinellas	82,000	-95
Florida	669	Florida	Orange	277,823	-83
Florida	672	Florida	Orange	150,000	-83
Florida	673	Florida	Orange	300,000	-83
Georgia	476	Georgia	Richmond	200,000	-58
Hawaii	70	Hawaii	Kauai	10,000	N/A
Illinois	627	Illinois	Morgan	23,818	-238
Illinois	628	Illinois	Bureau	5,213	-15
Illinois	629	Illinois	Stark	70,645	-3
Illinois	630	Illinois	Cass	13,642	-3
Illinois	631	Illinois	Cook	5,328,000	N/A
Illinois	632	Illinois	Macoupin	9,491	-86
Illinois	633	Illinois	De Kalb	43,862	108
Illinois	649	Illinois	Bureau	7,555	-98
Illinois	634	Illinois	Cook	1,127,736	-15
Illinois	196	Illinois	Cook	165,735	N/A
Illinois	635	Illinois	Cook	1,000,000	N/A
Illinois	650	Illinois	Warren	13,836	104
Illinois	653	Illinois	Kane	11,296	4,205
Illinois	654	Illinois	Cook	1,127,736	-85
Illinois	646	Illinois	Richland	8,968	95
Illinois	647	Illinois	Cook	217,106	-97
Illinois	643	Illinois	Lake	55,735	869
Illinois	644	Illinois	Rock Island	39,657	1
Illinois	645	Illinois	Henderson	30,479	95
Illinois	636	Illinois	Knox	39,153	55
Illinois	637	Illinois	Kankakee	109,000	13
Illinois	616	Illinois	Christian	12,663	-89
Illinois	617	Illinois	Effingham	12,384	-89
Illinois	675	Illinois	Cook	215,719	14
Illinois	676	Illinois	Cook	1,127,736	-97
Illinois	677	Illinois	Cook	1,127,736	-97
Illinois	697	Illinois	Rock Island	25,202	-42
Illinois	698	Illinois	Du Page	128,358	-42
Illinois	606	Illinois	Saint Clair	52,369	N/A
Illinois	607	Illinois	Bureau	5,213	N/A
Illinois	608	Illinois	Cook	13,098	-69
Illinois	609	Illinois	Cook	27,000	-69
Illinois	610	Illinois	Cook	270,645	-98
Illinois	611	Illinois	McHenry	40,263	27
Illinois	612	Illinois	McLean	88,475	-98
Illinois	462	Illinois	Winnebago	303,539	-100
Illinois	463	Illinois	Cook	54,458	N/A
Illinois	464	Illinois	Whiteside	18,878	251
Illinois	465	Illinois	Cook	160,736	-44
Illinois	651	Illinois	Carroll	5,615	-95
Illinois	652	Illinois	Ogle	53,497	-95
Illinois	655	Illinois	Greene	3,064	-51
Illinois	653	Illinois	Champaign	91,041	-85
Illinois	654	Illinois	Cook	52,384	N/A
Illinois	602	Illinois	Union	4,442	-79
Illinois	603	Illinois	Cass	5,446	-79
Illinois	462	Illinois	Winnebago	250,000	-96
Illinois	463	Illinois	Cook	1,000,000	-96
Illinois	464	Illinois	Whiteside	60,000	-96
Illinois	625	Illinois	St Clair	3,460	473
Illinois	626	Illinois	Lake	126,628	59
Illinois	674	Illinois	Cook	91,964	-32
Illinois	643	Illinois	Boone	41,500	-25
Illinois	644	Illinois	Lake	105,208	88
Illinois	645	Illinois	Lake	105,208	88
Illinois	699	Illinois	Kankakee	36,971	-100
Illinois	635	Illinois	Cook	1,134,897	-14
Illinois	636	Illinois	Knox	24,608	N/A
Illinois	631	Illinois	Mcdonough	22,004	734
Illinois	632	Illinois	Lee	15,155	N/A
Illinois	633	Illinois	Tazewell	30,997	573,783
Illinois	634	Illinois	Cook	1,127,736	-97
Illinois	635	Illinois	Mclean	88,475	-97
Illinois	621	Illinois	Perry	6,448	215
Illinois	622	Illinois	Clay	5,070	-17
Indiana	678	Indiana	Bartholomew	50,000	-87
Iowa	544	Iowa	Johnson	20,000	-61
Iowa	545	Iowa	Johnson	75,000	-64
Iowa	546	Iowa	Johnson	100,000	-64
Louisiana	71	Louisiana	Orleans	380,000	N/A
Maine	475	Maine	Piscataquis	800	-92
Maine	474	Maine	Franklin	4,116	387
Maine	560	Maine	Sagadahoc	8,500	54
Maine	561	Maine	Lincoln	1,700	1,700
Maine	507	Maine	Oxford	1,500	-100
Maine	508	Maine	York	100,000	-100
Maine	509	Maine	Cumberland	8,500	N/A
Maryland	563	Maryland	Wicomico	37,447	N/A
Maryland	564	Maryland	Somerset	21,421	N/A
Maryland	547	Maryland	Howard	250,000	147
Maryland	548	Maryland	Allegany	45,000	147
Maryland	549	Maryland	Washington	70,000	-64
Maryland	550	Maryland	Frederick	150,000	-64
Michigan	565	Michigan	Ottawa	12,000	11
Minnesota	494	Minnesota	Olmsted	115,000	65
Minnesota	495	Minnesota	Olmsted	115,000	N/A
Missouri	156	Missouri	Madison	6,000	84
Missouri	423	Missouri	Jackson	11,883	N/A
Missouri	71	Missouri	Linn	3,979	N/A
Missouri	380	Missouri	Saint Charles	70,000	N/A
Missouri	381	Missouri	New Madrid, Scott	17,000	N/A
Missouri	198	Missouri	Clay	12,000	71
Missouri	199	Missouri	Callaway, Cole	41,153	N/A
Missouri	381	Missouri	Greene, Christian	151,968	N/A
Missouri	382	Missouri	Pettis	12,782	N/A
Missouri	259	Missouri	Barry, Lawrence	9,100	N/A
Missouri	260	Missouri	Barry, Lawrence	7,000	N/A
Missouri	256	Missouri	Jasper, Newton	38,815	-98
Missouri	257	Missouri	Saint Louis, Jefferson	1,000,000	-98
Missouri	78	Missouri	Dekalb, Caldwell, Clinton	9,700	-95
Missouri	79	Missouri	Buchanan	6,000	-95
Missouri	384	Missouri	Pulaski	10,000	N/A
Missouri	385	Missouri	Saint Louis	115,000	-49
Missouri	91	Missouri	Mississippi	4,000	N/A
Missouri	92	Missouri	Pemiscot	15,000	N/A
Missouri	83	Missouri	Jasper	12,000	N/A
Missouri	84	Missouri	Saint Louis City	300,247	1
Missouri	200	Missouri	Jackson, Murdochville, Independence	61,250	-13
Missouri	195	Missouri	Jackson, Cass, Johnson	490,000	-54
Missouri	402	Missouri	Miller	4,895	87
Missouri	386	Missouri	Saint Charles	60,000	103
Missouri	387	Missouri	Saint Louis	115,000	103
Missouri	388	Missouri	Buchanan	27,000	-95
Missouri	218	Missouri	Clay	35,300	-66
Missouri	219	Missouri	Saint Francois	10,114	-66
Missouri	478	Missouri	Jackson, Cass	367,308	N/A
Missouri	479	Missouri	Carroll	3,784	-49
Missouri	293	Missouri	Jefferson, Saint Louis	27,391	-36
Missouri	294	Missouri	Nodaway	12,000	1,000
Missouri	380	Missouri	Greene	22,818	N/A
Missouri	381	Missouri	Cole	3,262	N/A
Missouri	119	Missouri	Boone	123,180	-89
Missouri	120	Missouri	Vernon	6,892	N/A
Missouri	317	Missouri	Platte	9,000	N/A
Missouri	318	Missouri	Jefferson, Saint Louis	66,738	-99
Missouri	424	Missouri	Jefferson	14,477	N/A
Missouri	425	Missouri	Jasper	36,403	N/A
Missouri	284	Missouri	Christian	20,000	-98
Missouri	285	Missouri	Greene, Springfield	35,540	-98
Missouri	196	Missouri	Jackson	25,000	-85
Missouri	270	Missouri	Saint Charles, Saint Louis	174,537	-97
Missouri	271	Missouri	Henry	9,718	N/A
Missouri	407	Missouri	Franklin	7,936	-85
Missouri	408	Missouri	Cole	75,990	N/A
Missouri	409	Missouri	Taney	10,000	N/A
Missouri	358	Missouri	Pettis	7,500	N/A
Missouri	359	Missouri	Macon	5,471	N/A
Missouri	145	Missouri	Jefferson	16,722	N/A
Missouri	146	Missouri	Pettis	8,250	N/A
Missouri	253	Missouri	Audrain	11,500	-99
Missouri	254	Missouri	Saint Louis	7,000	-99
Missouri	255	Missouri	Franklin, Saint Louis	7,000	-97
Missouri	213	Missouri	Barton	4,532	N/A
Missouri	214	Missouri	Barton, Bates	10,000	N/A
Missouri	348	Missouri	Phelps	15,000	N/A
Missouri	349	Missouri	Saline	18,153	N/A
Missouri	294	Missouri	Saint Charles	16,000	N/A
Missouri	295	Missouri	Saint Charles	16,000	N/A
Missouri	250	Missouri	Jackson City	45,000	N/A
Missouri	202	Missouri	Dunklin	11,300	N/A
Missouri	203	Missouri	Boone	3,000	N/A
Missouri	240	Missouri	Webster	8,000	-99
Missouri	241	Missouri	Clay, Platte	13,940	-30
Missouri	441	Missouri	Howell	12,000	N/A
Missouri	442	Missouri	Ozark	5,000	N/A
Missouri	190	Missouri	Jefferson	12,000	-61
Missouri	191	Missouri	Newton	15,904	20
Missouri	192	Missouri	Pettis	8,250	N/A
Missouri	87	Missouri	Barry	3,300	-98
Missouri	88	Missouri	Saint Louis	7,165	-98
Missouri	265	Missouri	Saint Louis	149,112	-99
Missouri	266	Missouri	Saint Louis	149,112	-99
Missouri	267	Missouri	Saint Charles	44,852	-99
Missouri	321	Missouri	Butler	17,000	N/A
Missouri	322	Missouri	Livingston	9,000	-98
Missouri	732	Missouri	Platte	7,000	N/A
Missouri	733	Missouri	Jefferson	12,293	N/A
Montana	562	Montana	Missoula	70,000	-13
Nebraska	73	Nebraska	Douglas	1,000,000	1
Nebraska	74	Nebraska	Cass	1,001,800	-37
Nebraska	703	Nebraska	Cass	641,000	N/A
Nebraska	704	Nebraska	Washoe	200,000	-85
Nebraska	663	Nebraska	Clark	250,000	-67
New Hampshire	54	New Hampshire	Merrimack	40,000	-63
New Hampshire	402	New Hampshire	Sullivan	6,000	-63
New Hampshire	285	New Hampshire	Carroll	5,200	2,095
New York	580	New York	Monroe	43,074	N/A
New York	581	New York	Monroe	1,000,000	N/A
New York	524	New York	Steuben	1,941	14,275
New York	728	New York	Suffolk	346,000	N/A
New York	729	New York	Suffolk	14,119	N/A
New York	483	New York	Delaware	3,581	N/A
New York	524	New York	Orange	11,520	-100
New York	430	New York	Jefferson	26,073	N/A
New York	431	New York	Jefferson	26,073	N/A
New York	432	New York	Seneca	6,961	N/A
New York	123	New York	Steuben	10,615	-100
New York	124	New York	Steuben	10,000	-100
New York	477	New York	Bronx, Clinton	3,076	N/A
New York	525	New York	Tioga	27,423	N/A
New York	526	New York	Orange	41,135	-100
New York	527	New York	Orange	41,135	-100
New York	528	New York	Monroe	100,000	-100
New York	718	New York	Schuyler	3,656	N/A
New York	719	New York	Schuyler	4,841	N/A
New York	324	New York	Nassau	32,000	-95
New York	325	New York	Albany	10,577	-95
New York	685	New York	Suffolk	346,000	N/A
New York	686	New York	Suffolk	14,119	12,140,447
New York	699	New York	Ontario	17,175	N/A
New York	5	New York	Saratoga, Schenectady	65,000	N/A
New York	591	New York	Monroe	103,000	-79
New York	592	New York	Saint Lawrence	16,794	N/A
New York	593	New York	Herkimer	13,924	N/A
New York	594	New York	Herkimer	13,924	N/A
New York	479	New York	Chenango	6,734	N/A
New York	480	New York	Nassau	26,041	N/A
New York	713	New York	Dutchess	35,000	2,402
New York	714	New York	Rensselaer	79,699	N/A
New York	689	New York	Tompkins	9,770	N/A
New York	690	New York	Tompkins	9,770	N/A
New York	505	New York	Fulton	23,379	N/A
New York	690	New York	Cortland	9,632	N/A
New York	691	New York	Tompkins	9,770	N/A
New York	471	New York	Cayuga	30,000	-38
New York	505	New York	Oneida	53,657	N/A
New York 503		New York City	Queens	130,539	N/A
New York 504		New York City	Queens	130,539	N/A
New York 505		New York City	Queens	130,539	N/A
New York 506		New York City	Kings	682,341	N/A
New York 507		New York City	Kings	682,341	N/A
New York 508		New York City	Bronx	755,948	N/A
New York 509		New York City	Bronx	755,948	N/A
New York 510		New York City	Kings	906,441	N/A
New York City 545		New York City, Kings	Kings	1,136,650	N/A
New York City 509		New York City	New York, Bronx	1,201,485	N/A
New York City 510		New York City	Kings	224,028	N/A
New York City 545		New York City	Queens	748,731	N/A
North Carolina 209		North Carolina	Wilson	49,384	-100
North Carolina 210		North Carolina	Scotland	15,527	-99
North Carolina 211		North Carolina	Scotland	15,527	-99
North Carolina 212		North Carolina	Northampton	19,000	-99
North Carolina 332		North Carolina	Wake	550,088	36
North Carolina 333		North Carolina	Harnett	3,500	N/A
North Carolina 237		North Carolina	Mcdowell	8,459	-85
North Carolina 238		North Carolina	Northampton, Bertie	15,000	-85
North Carolina 231		North Carolina	Buncombe, Henderson	173,000	27
North Carolina 334		North Carolina	Wake	30,655	77
North Carolina 335		North Carolina	Henderson	14,000	140
North Carolina 85		North Carolina	Wake	74,331	-100
North Carolina 336		North Carolina	Chatham, Orange	29,000	1
North Carolina 569		North Carolina	Greene	22,180	76
North Carolina 570		North Carolina	Lenoir	78,141	248
North Carolina 450		North Carolina	New Hanover	58,361	-43
North Carolina 451		North Carolina	Brunswick	119,208	-43
North Carolina 452		North Carolina	Yancey	17,000	N/A
North Carolina 453		North Carolina	Mitchell	15,000	N/A
North Carolina 454		North Carolina	Avery	17,000	N/A

North Carolina - 55	North Carolina - Mecklenburg	182,501	723
North Carolina - 56	North Carolina - Nash	21,538	304
North Carolina - 755	North Carolina - Rowan	22,940	NA
North Carolina - 57	North Carolina - Wake	77,776	1,108
North Carolina - 166	North Carolina - Guilford	135,821	34
North Carolina - 58	North Carolina - Pitt	21,538	304
North Carolina - 59	North Carolina - Cumberland	31,536	NA
North Carolina - 86	North Carolina - Wake	75,886	-92
North Carolina - 60	North Carolina - Mecklenburg	182,501	723
North Carolina - 369	North Carolina - Orange, Durham	108,105	190
North Carolina - 61	North Carolina - Mecklenburg	120,083	1,055
North Carolina - 62	North Carolina - Mecklenburg	68,685	79
North Carolina - 63	North Carolina - Wake	77,776	1,108
North Carolina - 64	North Carolina - Wake	77,776	1,108
North Carolina - 451	North Carolina - New Hanover	67,743	-150
North Carolina - 65	North Carolina - Wake	89,616	142
North Carolina - 568	North Carolina - Watauga	38,000	72
North Carolina - 66	North Carolina - Wayne	4,120	17
North Carolina - 569	North Carolina - Lenoir, Craven, Pamlico	22,190	NA
Ohio - 124	Ohio - Cuyahoga	9,000	50
Ohio - 125	Ohio - Coshocton	12,000	-89
Ohio - 102	Ohio - Marion	36,000	56
Ohio - 170	Ohio - Butler	65,000	881
Ohio - 171	Ohio - Montgomery	269,000	1,000
Ohio - 41	Ohio - Wyandot	8,790	42
Ohio - 126	Ohio - Hancock	74,000	1,000
Ohio - 127	Ohio - Allen	81,000	-48
Ohio - 141	Ohio - Belmont	13,165	NA
Ohio - 398	Ohio - Lucas	302,446	1,153
Ohio - 204	Ohio - Portage	29,000	184
Ohio - 42	Ohio - Hamilton	1,000,000	1,000
Ohio - 34	Ohio - Clark	61,000	1,000
Ohio - 456	Ohio - Cuyahoga	524,154	74
Ohio - 139	Ohio - Tuscarawas	13,923	NA
Ohio - 43	Ohio - Montgomery	65,000	-100
Ohio - 103	Ohio - Portage	10,000	NA
Ohio - 442	Ohio - Montgomery	79,000	87
Ohio - 375	Ohio - Lucas	11,000	1,000
Ohio - 376	Ohio - Cuyahoga	313,158	842
Ohio - 377	Ohio - Cuyahoga	313,158	842
Ohio - 378	Ohio - Putnam	5,739	NA
Ohio - 233	Ohio - Richland	52,000	25
Ohio - 214	Ohio - Fairfield	24,303	-50
Ohio - 204	Ohio - Portage	29,000	184
Ohio - 44	Ohio - Franklin	604,817	98
Ohio - 45	Ohio - Clermont	42,000	1,000
Ohio - 277	Ohio - Cuyahoga	524,154	74
Ohio - 326	Ohio - Scioto	26,384	36
Ohio - 186	Ohio - Lawrence	10,445	3,422
Ohio - 247	Ohio - Union	24,677	-51
Ohio - 157	Ohio - Sandusky	25,000	-95
Ohio - 131	Ohio - Ashtabula	12,000	1,000
Ohio - 49	Ohio - Licking	3,300	17
Ohio - 50	Ohio - Lorain	8,000	1,000
Ohio - 51	Ohio - Williams	8,000	1,000
Ohio - 74	Ohio - Crawford	12,962	570
Ohio - 278	Ohio - Cuyahoga	103,270	1,233
Ohio - 235	Ohio - Washington	15,284	3,167
Ohio - 52	Ohio - Ottawa	12,000	1,000
Ohio - 53	Ohio - Butler	21,000	1,000
Ohio - 46	Ohio - Ashtabula	31,450	10
Ohio - 98	Ohio - Jefferson	17,864	1,000
Ohio - 110	Ohio - Clinton	12,500	NA
Ohio - 228	Ohio - Preble	8,400	NA
Ohio - 263	Ohio - Knox	18,000	-41
Ohio - 108	Ohio - Erie	12,000	1,000
Ohio - 109	Ohio - Medina	30,000	1,000
Ohio - 53	Ohio - Stark	85,000	-95
Ohio - 264	Ohio - Hamilton	1,000,000	NA
Ohio - 273	Ohio - Hamilton	36,000	NA
Ohio - 212	Ohio - Allen	67,000	1,000
Ohio - 43	Ohio - Fulton	6,000	57
Ohio - 44	Ohio - Franklin	604,817	1,228
Ohio - 45	Ohio - Hocking	11,000	1,000
Ohio - 46	Ohio - Ashtabula	31,450	10
Ohio - 47	Ohio - Jefferson	17,864	1,000
Ohio - 129	Ohio - Defiance	19,900	-18
Ohio - 48	Ohio - Preble	8,400	NA
Ohio - 140	Ohio - Lorain	34,500	-89
Ohio - 219	Ohio - Clark	61,000	1,000
Ohio - 220	Ohio - Hamilton	480,000	-100
Ohio - 221	Ohio - Darke	13,000	-74
Ohio - 222	Ohio - Trumbull	39,000	1,000
Ohio - 395	Ohio - Hamilton	36,000	NA
Ohio - 223	Ohio - Wayne	27,000	1,000
Ohio - 134	Ohio - Montgomery	36,150	-100
Ohio - 135	Ohio - Lorain	34,500	-89
Ohio - 136	Ohio - Sumit	363,879	-51
Ohio - 137	Ohio - Fayette	14,000	-96
Ohio - 138	Ohio - Hamilton	16,000	1,000
Ohio - 139	Ohio - Shelby	21,229	NA
Ohio - 140	Ohio - Ottawa	7,000	NA
Pennsylvania - 125	Pennsylvania - Butler	40,000	NA
Pennsylvania - 126	Pennsylvania - Lehigh	15,000	NA
Pennsylvania - 127	Pennsylvania - Northampton	13,000	NA
Pennsylvania - 107	Pennsylvania - Montgomery	15,500	NA
Rhode Island - 183	Rhode Island - Providence	100,000	500
Rhode Island - 75	Rhode Island - Kent	6,000	-76
Rhode Island - 76	Rhode Island - Providence	100,000	500
Rhode Island - 548	Rhode Island - Providence	120,000	NA
Rhode Island - 549	Rhode Island - Providence	100,000	500
Rhode Island - 550	Rhode Island - Bristol	21,000	500
Rhode Island - 464	Rhode Island - Providence	226,000	-75
Rhode Island - 77	Rhode Island - Providence	100,000	500
Rhode Island - 474	Rhode Island - Kent, Providence	80,000	-72
South Carolina - 67	South Carolina - Lexington	21,000	1,000
South Carolina - 491	South Carolina - Darlington	8,100	-60
South Carolina - 68	South Carolina - Richland	15,000	1,000
South Dakota - 69	South Dakota - Minnehaha	13,282	1,000
Tennessee - 496	Tennessee - Bradley	51,562	-3
Texas - 70	Texas - Harris	1,000,000	28,518
Texas - 665	Texas - Dallas	179,800	-95
Texas - 71	Texas - Harris	16,000	1,000
Texas - 443	Texas - Harris	3,623	NA
Texas - 72	Texas - Harris	1,000,000	1,000
Texas - 73	Texas - Harris	12,485	-33
Texas - 165	Texas - Fort Bend, Harris	28,742	-38
Texas - 74	Texas - El Paso	435,464	-29
Texas - 350	Texas - Harris	20,638	-64
Texas - 75	Texas - Harris	101,124	-38
Texas - 288	Texas - Harris	33,102	-76
Texas - 289	Texas - Harris	19,847	-83
Texas - 76	Texas - Harris	12,000	1,000
Texas - 566	Texas - El Paso	142,648	-91
Texas - 77	Texas - Harris	33,645	-47
Texas - 367	Texas - Harris	109,414	-64
Texas - 78	Texas - Harris	59,188	-51
Texas - 287	Texas - Harris	12,952	29
Texas - 290	Texas - Harris	19,847	-83
Texas - 291	Texas - Harris	40,689	-71
Texas - 439	Texas - Harris	85,129	-22
Texas - 440	Texas - Harris	8,615	-50
Texas - 56	Texas - Harris	70,900	-46
Texas - 79	Texas - Harris	65,798	NA
Texas - 375	Texas - Harris	293,227	-45
Texas - 80	Texas - Harris	12,000	1,000
Texas - 249	Texas - Harris	52,000	-42
Texas - 250	Texas - Harris	20,161	-138,042
Texas - 251	Texas - Galveston	40,000	-64
Texas - 290	Texas - Harris	95,600	-5
Texas - 81	Texas - Houston	117,960	106
Texas - 176	Texas - Harris	9,375	-58
Texas - 82	Texas - Harris	12,000	1,000
Texas - 83	Texas - Harris	37,000	-51
Texas - 289	Texas - Harris	19,847	-83
Texas - 84	Texas - Harris	109,414	-64
Texas - 113	Texas - Harris	3,825	779
Texas - 85	Texas - Harris	97,918	-68
Texas - 709	Texas - El Paso	169,744	-95
Texas - 710	Texas - El Paso	142,648	-91
Texas - 711	Texas - El Paso	142,284	-91
Texas - 20	Utah - Utah	21,231	-87
Texas - 21	Utah - Davis	84,981	-91
Texas - 22	Utah - Iron	32,451	-66
Texas - 23	Utah - Duchesne	6,796	-100
Texas - 24	Utah - Carbon	94,005	-67
Texas - 25	Utah - Summit, Davis	84,981	-91
Texas - 26	Utah - Davis, Weber	228,766	-91
Texas - 33	Utah - Utah	253,172	-85
Texas - 15	Utah - Grand, San Juan	9,896	-100
Texas - 23	Utah - Summit	8,530	-88
Texas - 24	Utah - Utah	35,840	-92
Texas - 32	Utah - Tooele	36,244	-29
Texas - 33	Utah - Utah	253,172	-85
Texas - 17	Utah - Salt Lake	113,951	-69
Texas - 28	Utah - Salt Lake	209,645	-75
Texas - 17	Utah - Salt Lake	89,507	-67
Texas - 22	Utah - Summit	23,934	-7
Texas - 26	Utah - Utah	53,313	-89
Texas - 27	Utah - Utah, Salt Lake	94,484	-91
Texas - 28	Utah - Salt Lake	209,645	-75
Texas - 29	Utah - Utah	12,510	-100
Texas - 1	Utah - Washington	24,970	-92
Texas - 30	Utah - Salt Lake	254,571	-87
Texas - 10	Utah - Cache	9,095	-49
Texas - 31	Utah - Carbon	17,212	-67
Texas - 32	Utah - Tooele	160,624	-81
Texas - 33	Utah - Utah	253,172	-85
Texas - 27	Utah - Washington	50,947	-80
Texas - 34	Utah - Box Elder	12,451	-51
Texas - 35	Utah - Salt Lake	115,846	-62
Texas - 2	Utah - Uintah	29,513	-41
Vermont - 87	Vermont - Chittenden	8,300	NA
Virginia - 38	Virginia - Alexandria City, Fairfax, Falls Church	300,000	NA
Virginia - 229	Virginia - Campbell, Bedford City, Amherst	220,000	-84
Virginia - 467	Virginia - Petersburg	47,000	-86
Virginia - 539	Virginia - James City, New Kent, Williamsburg City, York	69,059	NA
Virginia - 177	Virginia - Virginia Beach City, Chesapeake City, Norfolk City	343,916	-76
Virginia - 563	Virginia - Virginia Beach City, Chesapeake City, York, Mathews, Poquoson City, Northampton County	530,848	NA
Virginia - 589	Virginia - Accomack, Gloucester, Northampton County	99,112	NA
Virginia - 467	Virginia - Petersburg	10,000	-88
Virginia - 310	Virginia - Isle of Wight, Chesapeake City, Suffolk City, Southampton County	197,600	NA
Virginia - 178	Virginia - Virginia Beach City, Chesapeake City, Northampton County	197,608	-92
Virginia - 585	Virginia - Hampton City, Newport News City	141,543	NA
Virginia - 308	Virginia - Amelia	116,266	-95
Virginia - 286	Virginia - Hanover	81,890	1,244
Virginia - 179	Virginia - Virginia Beach City, Chesapeake City, Norfolk City	343,916	-76
Virginia - 342	Virginia - Goochland, Richmond City, Henrico	225,000	-20
Virginia - 540	Virginia - Hampton City, Newport News City	16,500	-98
Virginia - 169	Virginia - Prince William, Fairfax, Stafford	165,901	-69
Virginia - 582	Virginia - Norfolk City, Chesapeake City	78,922	NA
Virginia - 346	Virginia - Brunswick, Sussex, Southampton County	300,000	-76
Virginia - 39	Virginia - Orange	4,721	NA
Virginia - 38	Virginia - Alexandria City, Fairfax, Falls Church	300,000	-137
Virginia - 419	Virginia - Manassas City, Manassas Park City, Loudoun, Fairfax City, Manassas Park City, Fauquier	350,000	-83
Virginia - 118	Virginia - Wise	14,000	-71
Virginia - 41	Virginia - Wyandot	16,130	-46
Virginia - 42	Virginia - Stafford, Prince William	10,000	NA
Virginia - 43	Virginia - Williamsburg City	13,000	-100
Virginia - 181	Virginia - James City, New Kent, Williamsburg City, York	69,059	106
Virginia - 469	Virginia - Hanover	12,000	123,609
Virginia - 61	Virginia - Montgomery	32,500	-82
Virginia - 42	Virginia - Stafford, Prince William	10,000	-70
Virginia - 454	Virginia - Buckingham, Virginia Beach City, Prince William	7,300	-72
Virginia - 587	Virginia - Virginia Beach City, Portsmouth City, Chesapeake City	192,347	NA
Virginia - 119	Virginia - Wise	14,000	NA
Virginia - 120	Virginia - Stafford	44,000	NA
Virginia - 584	Virginia - Hampton City, Newport News City	118,497	NA
Washington - 499	Washington - Clark	125,000	13,611
Washington - 500	Washington - King, Snohomish	288,000	-89
Washington - 510	Washington - Clark	120,000	900
Washington - 511	Washington - Clark	120,000	900
Washington - 512	Washington - Clark	25,457	-37
Washington - 504	Washington - Clark	120,000	0
Washington - 505	Washington - Snohomish	30,000	NA
Washington - 343	Washington - Clark	6,875	NA
Washington - 561	Washington - Snohomish	38,000	NA
Washington - 555	Washington - Snohomish	20,000	-95
Washington - 556	Washington - Snohomish	38,000	NA
Washington - 557	Washington - Clark	120,000	NA
Washington - 351	Washington - Clark	120,000	NA
Washington - 352	Washington - Snohomish	3,700	NA
West Virginia - 607	West Virginia - Cabell, Wayne	56,000	NA
West Virginia - 608	West Virginia - Mingo	5,200	NA
West Virginia - 387	West Virginia - Monongalia	48,329	NA
West Virginia - 388	West Virginia - Monongalia	48,329	NA
West Virginia - 312	West Virginia - Berkeley	25,000	NA
West Virginia - 206	West Virginia - Mineral	8,168	NA
West Virginia - 389	West Virginia - Harrison	30,000	NA
West Virginia - 460	West Virginia - Jefferson	17,000	NA
West Virginia - 435	West Virginia - Kanawha	10,000	NA
West Virginia - 687	West Virginia - Hardin	36,498	NA
West Virginia - 688	West Virginia - Wyoming	20,000	NA
West Virginia - 689	West Virginia - Wood	10,000	NA
West Virginia - 466	West Virginia - Mercer	36,000	NA
West Virginia - 690	West Virginia - Kanawha	80,000	NA
Wisconsin - 341	Wisconsin - Marathon	37,200	NA
Wisconsin - 342	Wisconsin - Waukesha, Ozaukee	20,000	NA
Wisconsin - 473	Wisconsin - Marathon, Wood	19,684	-70
Wisconsin - 343	Wisconsin - Oneida	7,800	NA
Wisconsin - 136	Wisconsin - Chippewa, Eau Claire	73,000	-87
Wisconsin - 344	Wisconsin - Pierce, Saint Croix	21,000	-87
Wisconsin - 433	Wisconsin - Marathon	42,350	-38
Wisconsin - 434	Wisconsin - Waukesha, Ozaukee	17,329	-38
Wisconsin - 203	Wisconsin - Kenosha	122,000	-38
Wisconsin - 204	Wisconsin - Racine	110,000	-38
Wisconsin - 420	Wisconsin - Vernon	6,400	-68
Wisconsin - 421	Wisconsin - Sheboygan	12,000	-68
Wisconsin - 346	Wisconsin - Taylor	7,000	-87
Wisconsin - 324	Wisconsin - Ozaukee	12,000	NA
Wisconsin - 325	Wisconsin - Portage	22,000	NA
Wisconsin - 55	Wisconsin - Rock	36,300	NA
Wisconsin - 326	Wisconsin - Waukesha	22,000	NA
Wisconsin - 447	Wisconsin - Walworth, Jefferson	14,500	-85
Wisconsin - 327	Wisconsin - Kenosha, Racine	4,400	NA
Wisconsin - 257	Wisconsin - Washington, Milwaukee	615,934	-85
Wisconsin - 231	Wisconsin - Ozaukee, Washington	345,000	-73
Wisconsin - 128	Wisconsin - Brown	43,000	-74
Wisconsin - 273	Wisconsin - Oneida	149,000	NA
Wisconsin - 256	Wisconsin - Ozaukee, Milwaukee	470,087	-81
Wisconsin - 114	Wisconsin - Kewaunee, Brown	14,000	-71
Wisconsin - 318	Wisconsin - Grant	11,000	-4,729
Wisconsin - 319	Wisconsin - Lafayette	14,000	NA
Wisconsin - 41	Wisconsin - Outagamie, Winnebago	72,810	NA
Wisconsin - 325	Wisconsin - Columbia	11,000	-87
Wisconsin - 326	Wisconsin - Racine	110,000	NA
Wisconsin - 327	Wisconsin - Chippewa	11,500	NA
Wisconsin - 328	Wisconsin - Dane	1,000,000	NA
Wisconsin - 329	Wisconsin - Marathon	37,200	NA
Wisconsin - 313	Wisconsin - Marinette	3,500	-100
Wisconsin - 330	Wisconsin - Dodge, Washington	23,660	NA
Wisconsin - 60	Wisconsin - Jackson	5,000	-269
Wisconsin - 61	Wisconsin - Ozaukee	12,400	NA
Wisconsin - 174	Wisconsin - Outagamie, Brown	50,000	NA
Wisconsin - 331	Wisconsin - Milwaukee	19,400	NA
Wisconsin - 182	Wisconsin - Saint Croix	14,000	-99
Wisconsin - 183	Wisconsin - Waupaca	8,000	NA
Wisconsin - 332	Wisconsin - Door	10,000	NA
Wisconsin - 333	Wisconsin - Sheboygan	12,000	NA
Wisconsin - 334	Wisconsin - Ashland	8,200	-38
Wisconsin - 320	Wisconsin - Sheboygan	9,150	-98
Wisconsin - 321	Wisconsin - Milwaukee	21,136	NA
Wisconsin - 236	Wisconsin - Marinette	11,000	-92
Wisconsin - 347	Wisconsin - Dane	75,000	-818
Wisconsin - 348	Wisconsin - Winnebago	78,300	-99
Wisconsin - 349	Wisconsin - Dane	1,000,000	NA
Wisconsin - 350	Wisconsin - Kewaunee	3,100	NA
Wisconsin - 248	Wisconsin - Lincoln	9,700	-81
Wisconsin - 128	Wisconsin - Brown	6,900	NA
Wisconsin - 352	Wisconsin - Douglas	28,000	-87

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Footnotes

Data will be updated daily as soon as they are reviewed and verified, otherwise before 8 pm ET. However, daily updates may be delayed due to delays in receiving data.

SARS-CoV-2 RNA percent change calculations

The percent change in SARS-CoV-2 RNA levels is presented. Percent change is calculated as the modeled change over a 15-day interval, based on linear regression of log-transformed SARS-CoV-2 levels. Percent change for the last 15 days of data is presented. Percent change is not calculated for sites with fewer than 3 samples in the last 15 days, or sites with fewer than 3 consecutive days of data. Percent change is not calculated for wastewater collections in Massachusetts because the wastewater treatment plant serves a population too large to be represented by a single county. Percent change is not calculated for Wastewater Treatment Plants in Alaska because the wastewater treatment plant serves a population too small to be represented by a single county. See the NBC Data Analytics page for more information.

SARS-CoV-2 RNA detection proportion calculations

The detection proportion of SARS-CoV-2 RNA in wastewater is presented. The detection proportion is the percent calculated by dividing the number of samples with a detect by the total number of samples. The detection proportion is calculated for the last 15 days of data and multiplying by 100. Samples with at least one virus gene target detected are counted as a detect. The last 15 days are based on the date and time when a collection ended. The detection proportion for 15 day intervals continues to be calculated for sites with fewer than 3 samples in the last 15 days.

SARS-CoV-2 RNA detection proportion category

Text detect is defined as the SARS-CoV-2 detections among all tests in the 15-day interval during which at least one test was positive.

County level data

Data from a single contributing wastewater to a sampling location is called "wastewater shed". Sampling locations may be at a treatment plant or upstream in the sewage network. Wastewater sheds may cross county or state boundaries. This map shows multiple wastewater sheds may serve a single county, and a single wastewater shed may overlap counties.

Data updates

Data will be updated daily as soon as they are reviewed and filed. Additions and updates to data may be delayed due to delays in receiving data.

Data collection

Data are collected by contributing wastewater or sampling locations (called "wastewater sheds"). Sampling locations may be at treatment plants or upstream in the sewage network. Wastewater sheds may cross county or state boundaries. This map shows multiple wastewater sheds may serve a single county, and a single wastewater shed may overlap counties.

Data definitions

Sampling locations are identified as a point location and are listed according to the county or state in which they are located. Hover over the mouseover for the most recent 7-week period due to processing and reporting delays. All data are provisional.

Mouseover data

Data are presented in the GIF center of the sampling location, as points on the map do not correspond exactly to sampling locations. Mouseover data for sites with multiple sampling locations in the same county are presented as a combination of the counties in the "Name of Sites" mouseover displayed, and "Number of Locations" (number to search county mouseover for multiple locations). Please view some GIF sampling locations may receive wastewater from parts of counties in Virginia or Maryland. All sampling locations in Virginia are highlighted when the sampling location point is selected.

Data exportation

- Data from wastewater with population less than 3,000 are not shown
- Data from wastewater with population estimates are rounded to the nearest 1,000
- Data from facility/location-specific wastewater are not shown
- Wastewater sheds are shown under the name of upstream sampling sites are anonymized using an arbitrary alphanumeric code
- Data from wastewater supplemented by reporting jurisdictions are not shown

Data sources

Wastewater sample collection and processing for SARS-CoV-2 RNA quantification, using RT-qPCR, is a voluntary, cooperative effort between the Centers for Disease Control and Prevention, COVID Data Tracker, Centers for Disease Control and Prevention, National Wastewater Surveillance System, Vessel Sanitation Program, and Quest Diagnostics. Data are generated through a CDC-supported, commercial laboratory, which is intended to supplement the epidemiological surveillance for COVID-19 in communities across the United States.

Laboratory methods

SARS-CoV-2 RNA concentration in wastewater are quantified using reverse transcriptase quantitative polymerase chain reactions (RT-qPCR) or reverse transcriptase droplet digital polymerase chain reaction (RT-dPCR). Laboratory processing and quantification methods vary between laboratories. Laboratories may use different methods to concentrate virus from wastewater, to extract nucleic acids from wastewater, to purify nucleic acids from extracts for inhibitor removal, and to quantify nucleic acids. Laboratories may also use different methods to calculate virus concentration in wastewater. Laboratories may also use different methods to calculate a single measure of SARS-CoV-2 RNA levels. Laboratories provide data to the National Wastewater Surveillance System (NWSS) in a standardized format. Laboratories may also use different methods to calculate a single measure of SARS-CoV-2 RNA levels. Laboratories provide data to the NWSS in a standardized format.

Data download

Data can be downloaded from data.cdc.gov. A data dictionary is also available. To request detailed wastewater data, including a full time series of measurements, please contact the NWSS team at the CDC using the "NWSS public data request" form.