COVID Data Tracker

Maps, charts, and data provided by CDC, updates Mon-Fri by 8 pm ET

CDC recommends use of COVID-19 Community Levels to determine the impact of COVID-19 in your community and the need for prevention strategies. Community Levels replaced Community Transmission to describe the extent of COVID-19 spread within each county. Healthcare facilities use Transmission Levels to determine Healthcare Personnel Masking Recommendations.

United States of America

Cases Total: 102,171,444 Case Trends: Deaths Total: 1,183,415 Death Trends:

Vaccinations Total: 270,123,966 Vaccinations Trends: 15.0% of People with Completed Booster Dose

CLICK TO VIEW OTHER MAPS
Wastewater Surveillance

Wastewater Surveillance

COVID-19: Wastewater Surveillance

Communities can track the presence of SARS-CoV-2, the virus that causes COVID-19, in wastewater samples. These data can provide an early warning of COVID-19 in a community. For more information, visit the Wastewater Surveillance System page.

Monitoring Wastewater Surveillance Data

Wastewater surveillance for COVID-19 is rapidly developing field. State, tribal, local, and territorial health departments participating in the National Wastewater Surveillance System (NWSS) submit testing data to CDC. CDC then standardizes and interprets these data and presents them here. Data from NWSS are updated weekly. Wastewater surveillance data from participating sites are reported to CDC sites by health department.

Wastewater data are meant to be used with other COVID-19 surveillance data to better understand COVID-19's presence in a community. Learn more about how wastewater data can be used to inform public health actions in a map of which SARS-CoV-2 variant is the most dominant at each wastewater sampling site, see CDC COVID Data Tracker: Summary of Variant Surveillance.

View information about the data and download the data.

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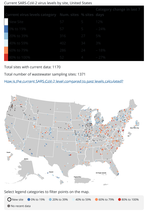
Wastewater Metric Chart

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 over time. Each point represents the 7-day average of the percent of sites in each category.

The percent change metric shows whether virus levels have increased or decreased over the last 15 days.

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



Download ↓

Wastewater Metric Map

State or territory:

Please select

County:

Please select a state to enable county select

Reset Selections

Time Period: Jan 15, 2023 - Jan 29, 2023

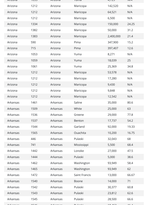
Metric:
Percent change in virus levels in wastewater by site
Percent change in the last 15 days
Number of wastewater samples with detectable virus

Show:
Sites with no recent data
Sites that detected virus after 12/5/21

Current virus levels in wastewater by site

This means shows whether SARS-CoV-2 levels at a site are currently higher or lower than past historical levels at the same site. We means levels are the same as the median level. Sites with at least 3 years of data are ranked by the latest date of the data. Public health officials watch for increasing levels of the virus in wastewater over time and use these data to help make public health decisions.

⚠ Note: Sites report collecting data at different times. Sites that began reporting more recently have less data. Sites that have not reported recent data are not shown on the map if data are old or before December 1, 2021. The data history for these new sites is not long enough to reflect the same surges as the other sites.



Select legend categories to filter points on the map:

Lower sites 0% to 9% 10% to 25% 40% to 59% 60% to 79% 80% to 100%
No recent data

Data Downloads and Footnotes

Expand each section to view data and download data

View Historic Wastewater Data

Data Table for Wastewater Surveillance Current Virus Levels (xlsx)

Data Table for Wastewater Surveillance Current Virus Levels for Counties (xlsx)

Sort: Current Level ↓

Jurisdiction	Jurisdiction Type	Identifier	Reporting Jurisdiction	County	Population Served	Current Virus Levels (vs. We)
Alabama	Lower	1066	Alabama	Shelby	195,085	Higher
Alabama	Lower	1464	Alabama	Lee	152,040	We sites 87
Alabama	Lower	1465	Alabama	Marshall	93,019	Higher
Alabama	Lower	1564	Alabama	Jefferson	392,093	57.86
Alabama	Lower	1565	Alabama	Jefferson	659,544	Higher
Alabama	Lower	1566	Alabama	Jefferson	249,070	57.86
Alabama	Lower	1567	Alabama	Calhoun	118,060	56.4
Alabama	Lower	1568	Alabama	Jefferson	70,180	56.4
Alabama	Lower	1569	Alabama	Jefferson	225,030	56.4
Alabama	Lower	1570	Alabama	Jefferson	225,030	56.4
Alaska	Lower	1571	Alaska	Anchorage	291,826	Higher
Alaska	Lower	1572	Alaska	Anchorage	291,826	49.4
Alaska	Lower	1573	Alaska	Anchorage	291,826	Higher
Alaska	Lower	1574	Alaska	Anchorage	291,826	49.4
Alaska	Lower	1575	Alaska	Kenai	57,873	Higher
Alaska	Lower	1576	Alaska	Kenai	57,873	29
Alaska	Lower	1577	Alaska	Kenai	57,873	Higher
Alaska	Lower	1578	Alaska	Kenai	57,873	29
Alaska	Lower	1579	Alaska	Kenai	57,873	Higher
Alaska	Lower	1580	Alaska	Kenai	57,873	29
Alaska	Lower

Colorado	685	Colorado	Summit	14,246	17.8
Colorado	686	Colorado	Teller	23,350	18.4
Connecticut	687	Connecticut	New Haven	239,091	19.1
Connecticut	688	Connecticut	Fairfield	139,090	19.2
Connecticut	689	Connecticut	New Haven	139,090	19.2
Connecticut	690	Connecticut	Fairfield	139,090	19.2
Connecticut	691	Connecticut	Fairfield	25,093	19.4
Connecticut	692	Connecticut	New Haven	139,090	19.2
Connecticut	693	Connecticut	Fairfield	139,090	19.2
Connecticut	694	Connecticut	Fairfield	139,090	19.2
Connecticut	695	Connecticut	Fairfield	139,090	19.2
Connecticut	696	Connecticut	Fairfield	25,093	19.4
Connecticut	697	Connecticut	New Haven	139,090	19.2
Connecticut	698	Connecticut	New Haven	139,090	19.2
Connecticut	699	Connecticut	New Haven	112,330	19.3
Delaware	700	Delaware	Kent	140,000	19.1
Delaware	701	Delaware	New Castle	139,090	19.2
Delaware	702	Delaware	Sussex	139,090	19.2
Delaware	703	Delaware	Sussex	139,090	19.2
Delaware	704	Delaware	Sussex	139,090	19.2
Delaware	705	Delaware	Sussex	139,090	19.2
Delaware	706	Delaware	New Castle	139,090	19.2
Delaware	707	Delaware	Sussex	139,090	19.2
Delaware	708	Delaware	New Castle	139,090	19.2
Delaware	709	Delaware	New Castle	139,090	19.2
Delaware	710	Delaware	New Castle	139,090	19.2
Delaware	711	Delaware	Sussex	139,090	19.2
Delaware	712	Delaware	Sussex	139,090	19.2
Delaware	713	Delaware	Sussex	139,090	19.2
Delaware	714	Delaware	Sussex	139,090	19.2
Delaware	715	Delaware	Sussex	139,090	19.2
Delaware	716	Delaware	New Castle	139,090	19.2
Delaware	717	Delaware	New Castle	139,090	19.2
Delaware	718	Delaware	New Castle	139,090	19.2
Delaware	719	Delaware	New Castle	139,090	19.2
Delaware	720	Delaware	New Castle	139,090	19.2
Delaware	721	Delaware	New Castle	139,090	19.2
Delaware	722	Delaware	New Castle	139,090	19.2
Delaware	723	Delaware	New Castle	139,090	19.2
Delaware	724	Delaware	New Castle	139,090	19.2
Delaware	725	Delaware	New Castle	139,090	19.2
Delaware	726	Delaware	New Castle	139,090	19.2
Delaware	727	Delaware	New Castle	139,090	19.2
Delaware	728	Delaware	New Castle	139,090	19.2
Delaware	729	Delaware	New Castle	139,090	19.2
Delaware	730	Delaware	New Castle	139,090	19.2
Delaware	731	Delaware	New Castle	139,090	19.2
Delaware	732	Delaware	New Castle	139,090	19.2
Delaware	733	Delaware	New Castle	139,090	19.2
Delaware	734	Delaware	New Castle	139,090	19.2
Delaware	735	Delaware	New Castle	139,090	19.2
Delaware	736	Delaware	New Castle	139,090	19.2
Delaware	737	Delaware	New Castle	139,090	19.2
Delaware	738	Delaware	New Castle	139,090	19.2
Delaware	739	Delaware	New Castle	139,090	19.2
Delaware	740	Delaware	New Castle	139,090	19.2
Delaware	741	Delaware	New Castle	139,090	19.2
Delaware	742	Delaware	New Castle	139,090	19.2
Delaware	743	Delaware	New Castle	139,090	19.2
Delaware	744	Delaware	New Castle	139,090	19.2
Delaware	745	Delaware	New Castle	139,090	19.2
Delaware	746	Delaware	New Castle	139,090	19.2
Delaware	747	Delaware	New Castle	139,090	19.2
Delaware	748	Delaware	New Castle	139,090	19.2
Delaware	749	Delaware	New Castle	139,090	19.2
Delaware	750	Delaware	New Castle	139,090	19.2
Delaware	751	Delaware	New Castle	139,090	19.2
Delaware	752	Delaware	New Castle	139,090	19.2
Delaware	753	Delaware	New Castle	139,090	19.2
Delaware	754	Delaware	New Castle	139,090	19.2
Delaware	755	Delaware	New Castle	139,090	19.2
Delaware	756	Delaware	New Castle	139,090	19.2
Delaware	757	Delaware	New Castle	139,090	19.2
Delaware	758	Delaware	New Castle	139,090	19.2
Delaware	759	Delaware	New Castle	139,090	19.2
Delaware	760	Delaware	New Castle	139,090	19.2
Delaware	761	Delaware	New Castle	139,090	19.2
Delaware	762	Delaware	New Castle	139,090	19.2
Delaware	763	Delaware	New Castle	139,090	19.2
Delaware	764	Delaware	New Castle	139,090	19.2
Delaware	765	Delaware	New Castle	139,090	19.2
Delaware	766	Delaware	New Castle	139,090	19.2
Delaware	767	Delaware	New Castle	139,090	19.2
Delaware	768	Delaware	New Castle	139,090	19.2
Delaware	769	Delaware	New Castle	139,090	19.2
Delaware	770	Delaware	New Castle	139,090	19.2
Delaware	771	Delaware	New Castle	139,090	19.2
Delaware	772	Delaware	New Castle	139,090	19.2
Delaware	773	Delaware	New Castle	139,090	19.2
Delaware	774	Delaware	New Castle	139,090	19.2
Delaware	775	Delaware	New Castle	139,090	19.2
Delaware	776	Delaware	New Castle	139,090	19.2
Delaware	777	Delaware	New Castle	139,090	19.2
Delaware	778	Delaware	New Castle	139,090	19.2
Delaware	779	Delaware	New Castle	139,090	19.2
Delaware	780	Delaware	New Castle	139,090	19.2
Delaware	781	Delaware	New Castle	139,090	19.2
Delaware	782	Delaware	New Castle	139,090	19.2
Delaware	783	Delaware	New Castle	139,090	19.2
Delaware	784	Delaware	New Castle	139,090	19.2
Delaware	785	Delaware	New Castle	139,090	19.2
Delaware	786	Delaware	New Castle	139,090	19.2
Delaware	787	Delaware	New Castle	139,090	19.2
Delaware	788	Delaware	New Castle	139,090	19.2
Delaware	789	Delaware	New Castle	139,090	19.2
Delaware	790	Delaware	New Castle	139,090	19.2
District of Columbia	791	District of Columbia	District of Columbia	139,090	19.2
District of Columbia	792	District of Columbia	District of Columbia	139,090	19.2
District of Columbia	793	District of Columbia	District of Columbia	139,090	19.2
District of Columbia

Minnesota	1139	Mentorship	Dakota, Scott	250,000
Minnesota	1140	Mentorship	Ramsey, Washington	250,000
Minnesota	1275	Mentorship	Blue Earth, Nicollet	70,000
Mississippi	1	Mentorship	Hinds, Madison	70,000
Missouri	114	Mentorship	Jasper	67,118
Missouri	115	Mentorship	Cole, Moniteau	67,118
Missouri	116	Mentorship	Bollinger	67,118
Missouri	132	Mentorship	Saint Charles	56,777
Missouri	133	Mentorship	Saint Louis City	56,777
Missouri	136	Mentorship	Meadow	4,000
Missouri	137	Mentorship	Newton	4,000
Missouri	197	Mentorship	Clay, Platte	13,945
Missouri	198	Mentorship	Cass, Jackson	13,945
Missouri	237	Mentorship	Saint Louis	10,000
Missouri	238	Mentorship	Saline	10,113
Missouri	239	Mentorship	Lafayette	10,113
Missouri	242	Mentorship	Holloway	12,000
Missouri	243	Mentorship	Audrain	12,000
Missouri	244	Mentorship	Barry, Lawrence	9,100
Missouri	245	Mentorship	Jefferson, Saint Louis	9,100
Missouri	247	Mentorship	Saint Louis	115,915
Missouri	248	Mentorship	Saint Louis City	115,915
Missouri	249	Mentorship	Jefferson, Saint Louis	66,758
Missouri	250	Mentorship	Saint Louis City	66,758
Missouri	274	Mentorship	Newton	12,000
Missouri	275	Mentorship	Jefferson, Saint Louis	12,000
Missouri	276	Mentorship	Franklin, Saint Louis	7,041
Missouri	277	Mentorship	Phelps	7,041
Missouri	355	Mentorship	Andrew	4,572
Missouri	356	Mentorship	Buchanan	4,572
Missouri	357	Mentorship	Cass	4,572
Missouri	385	Mentorship	Buchanan	23,000
Missouri	420	Mentorship	Saint Louis	11,862
Missouri	421	Mentorship	Johnson	11,862
Missouri	422	Mentorship	Lafayette	11,862
Missouri	423	Mentorship	Saint Francois	7,165
Missouri	424	Mentorship	Ste. Genevieve	7,165
Missouri	75	Mentorship	Lucas	4,700
Missouri	76	Mentorship	Caldwell, Chariton, Grundy	4,700
Missouri	81	Mentorship	Cooper, Saline	23,540
Missouri	82	Mentorship	Cole, Moniteau	23,540
Missouri	83	Mentorship	Jasper	23,540
Missouri	87	Mentorship	Barry	5,000
Missouri	88	Mentorship	Lawrence	5,000
Missouri	1339	Mentorship	Jefferson	12,500
Missouri	1340	Mentorship	Miller	12,500
Missouri	143	Mentorship	Saint Francois	10,114
Missouri	144	Mentorship	Ste. Genevieve	10,114
Missouri	145	Mentorship	Cape Girardeau	10,114
Missouri	180	Mentorship	Clay, Cole, Callaway	41,703
Missouri	181	Mentorship	Lewis and Clark	41,703
Missouri	194	Mentorship	Clay, Platte	76,709
Missouri	195	Mentorship	Jackson, Lafayette	76,709
Missouri	196	Mentorship	Johnson	25,000
Missouri	197	Mentorship	Clay	25,000
Missouri	299	Mentorship	Johnson, Jackson, Lafayette	61,250
Missouri	250	Mentorship	Dunklin	71,300
Missouri	251	Mentorship	Pemiscot	71,300
Missouri	252	Mentorship	Saint Louis	71,300
Missouri	266	Mentorship	Jefferson, Saint Louis	24,174
Missouri	267	Mentorship	Franklin	24,174
Missouri	284	Mentorship	Christian	20,000
Missouri	285	Mentorship	Perry	20,000
Missouri	317	Mentorship	Platte	8,000
Missouri	318	Mentorship	Clay, Platte	8,000
Missouri	319	Mentorship	Jackson	8,000
Missouri	365	Mentorship	New Madrid, Scott	13,000
Missouri	366	Mentorship	Dunklin	13,000
Missouri	404	Mentorship	Lincoln	12,014
Missouri	405	Mentorship	Pike	12,014
Missouri	434	Mentorship	Johnson	14,477
Missouri	435	Mentorship	Lafayette	14,477
Missouri	436	Mentorship	Saline	14,477
Missouri	8	Mentorship	Polk	10,500
Missouri	9	Mentorship	Dallas	10,500
Missouri	1337	Mentorship	Dent	4,572
Missouri	1338	Mentorship	Jackson, Cass	12,500
Montana	1176	Mentorship	Custer	8,800
Montana	1177	Mentorship	Yellowstone	8,800
Montana	1178	Mentorship	Lewis and Clark	8,800
Montana	1179	Mentorship	Gallatin	10,000
Montana	1180	Mentorship	Lewis and Clark	10,000
Montana	671	Mentorship	Lewis And Clark	37,125
Montana	672	Mentorship	Yellowstone	37,125
Nebraska	1493	Mentorship	Hall	3,700
Nebraska	1494	Mentorship	Hall	3,700
Nebraska	1495	Mentorship	Orange	3,700
Nebraska	619	Mentorship	Adams	26,652
Nebraska	620	Mentorship	Douglas, Sarpy	26,652
Nebraska	523	Mentorship	Douglas, Sarpy	600,000
Nebraska	524	Mentorship	Scotts Bluff	600,000
Nebraska	987	Mentorship	Stanton, Madison	27,000
Nebraska	988	Mentorship	Madison	27,000
Nebraska	989	Mentorship	Lancaster	27,000
Nebraska	1211	Mentorship	Saunders	4,800
Nebraska	1212	Mentorship	Douglas	4,800
Nebraska	1766	Mentorship	Nemaha	3,800
Nebraska	1767	Mentorship	Otoe	3,800
Nebraska	918	Mentorship	Hall	52,000
Nebraska	919	Mentorship	Buffalo	52,000
Nebraska	920	Mentorship	Lancaster	52,000
Nebraska	925	Mentorship	Lancaster	200,000
Nebraska	926	Mentorship	Douglas, Sarpy	200,000
Nevada	1060	Mentorship	Clark	384,000
Nevada	1061	Mentorship	Washoe	384,000
Nevada	703	Mentorship	Clark	650,000
Nevada	704	Mentorship	Washoe	650,000
Nevada	665	Mentorship	Clark	290,000
New Hampshire	1	Mentorship	Carroll	10,000
New Hampshire	2	Mentorship	Merrimack	43,000
New Hampshire	1196	Mentorship	Merrimack	4,000
New Hampshire	1197	Mentorship	Merrimack	4,000
New Jersey	40	Mentorship	Sussex	6,500
New Jersey	1705	Mentorship	Gloucester	30,000
New Jersey	1706	Mentorship	Ocean	30,000
New Jersey	1453	Mentorship	Passaic	17,000
New Jersey	1454	Mentorship	Monmouth	17,000
New Jersey	1455	Mentorship	Ocean	17,000
New Jersey	1456	Mentorship	Monmouth	52,672
New Jersey	1457	Mentorship	Middlesex, Ocean, Passaic	52,672
New Jersey	1332	Mentorship	Essex	1,300,000
New Jersey	1385	Mentorship	Atlantic	140,000
New Jersey	1386	Mentorship	Ocean	140,000
New Jersey	784	Mentorship	Middlesex, Ocean, Middlesex	880,000
New Jersey	785	Mentorship	Ocean	880,000
New Jersey	1446	Mentorship	Ocean	13,000
New Jersey	1447	Mentorship	Ocean	13,000
New Jersey	1448	Mentorship	Bergen, Hudson	13,000
New Jersey	854	Mentorship	Los Alamos	5,852
New Jersey	855	Mentorship	Los Alamos	5,852
New Mexico	853	Mentorship	Los Alamos	13,175
New Mexico	854	Mentorship	Los Alamos	13,175
New York	1502	Mentorship	Kings	17,500
New York	1503	Mentorship	Monroe	497,222
New York	1504	Mentorship	Monroe	497,222
New York	1319	Mentorship	Monroe	150,096
New York	1320	Mentorship	Cattaraugus	150,096
New York	1312	Mentorship	Erie	83,361
New York	1313	Mentorship	Niagara	83,361
New York	1300	Mentorship	Broome	26,724
New York	1301	Mentorship	Tioga	26,724
New York	1302	Mentorship	Suffolk	26,724
New York	1279	Mentorship	Wayne	6,551
New York	1280	Mentorship	Ontario	6,551
New York	1098	Mentorship	Suffolk	4,925
New York	1099	Mentorship	Tioga	4,925
New York	1110	Mentorship	Oneida	27,849
New York	1111	Mentorship	Onondaga	27,849
New York	1112	Mentorship	Cayuga	27,849
New York	1213	Mentorship	Onondaga	13,936
New York	1214	Mentorship	Schoharie	13,936
New York	1386	Mentorship	Nassau	524,055
New York	1387	Mentorship	Suffolk	524,055
New York	1480	Mentorship	Broome	52,501
New York	1481	Mentorship	Tioga	52,501
New York	1482	Mentorship	Rockland	52,501
New York	1483	Mentorship	Orange	25,951
New York	1484	Mentorship	Rockland	12,975
New York	1485	Mentorship	Westchester	25,951
New York	1486	Mentorship	Westchester	25,951
New York	1487	Mentorship	Westchester	49,875
New York	1488	Mentorship	Westchester	49,875
New York	1489	Mentorship	Westchester	49,875
New York	479	Mentorship	Chenango	6,734
New York	480	Mentorship	Tioga	6,734
New York	514	Mentorship	Onondaga	16,168
New York	515	Mentorship	Cortland	16,168
New York	317	Mentorship	Livingston	4,730
New York	318	Mentorship	Ontario	4,730
New York	319	Mentorship	Wayne	4,730
New York	321	Mentorship	Onondaga	242,377
New York	322	Mentorship	Onondaga	242,377
New York	521	Mentorship	Madison	9,207
New York	522	Mentorship	Madison	9,207
New York	52	Mentorship	Steuben	5,991
New York	53	Mentorship	Chemung	5,991
New York	54	Mentorship	Tioga	5,991
New York	699	Mentorship	Cortland	26,950
New York	700	Mentorship	Cortland	26,950
New York	650	Mentorship	Saint Lawrence	10,794
New York	651	Mentorship	Franklin	10,794
New York	717	Mentorship	Montgomery	19,679
New York	718	Mentorship	Schuyler, Yates	19,679
New York	719	Mentorship	Seneca	19,679
New York	741	Mentorship	Albany	8,552
New York	742	Mentorship	Albany	8,552
New York	743	Mentorship	Rensselaer	8,552
New York	837	Mentorship	Rockland	107,049
New York	838	Mentorship	Rockland	107,049
New York	839	Mentorship	Orange	107,049
New York	599	Mentorship	Chautauqua	12,616
New York	600	Mentorship	Erie	12,616
New York	1013	Mentorship	Erie	71,131
New York	1014	Mentorship	Niagara	71,131
New York	1022	Mentorship	Schenectady	78,404
New York	1023	Mentorship	Albany	78,404
New York	1024	Mentorship	Saratoga	78,404
New York	1045	Mentorship	Erie	6,244
New York	1046	Mentorship	Genesee	6,244
New York	1099	Mentorship	Wyoming	5,668
New York	1100	Mentorship	Erie	5,668
New York	1118	Mentorship	Suffolk	7,191
New York	1119	Mentorship	Nassau	7,191
New York	1460	Mentorship	Orange	28,914
New York	1461	Mentorship	Orange	28,914
New York	1462	Mentorship	Westchester	28,914
New York	1463	Mentorship	Westchester	28,914
New York	1464	Mentorship	Rockland	10,846
New York	1465	Mentorship	Orange	10,846
New York	1466	Mentorship	Orange	28,914
New York	1467	Mentorship	Westchester	28,914
New York	1468	Mentorship	Rockland	10,846
New York	1469	Mentorship	Westchester	21,346
New York	1470	Mentorship	Westchester	21,346
New York	1538	Mentorship	Sullivan	4,548
New York	1539	Mentorship	Sullivan	4,548
New York	1797	Mentorship	Dutchess	21,516
New York	1798	Mentorship	Dutchess	21,516
New York	1799	Mentorship	Dutchess	21,516
New York	1852	Mentorship	Saint Lawrence	14,475
New York	1853	Mentorship	Saint Lawrence	14,475
New York	425	New Orange	Orange	6,729
New York	426	New Orange	Orange	6,729
New York	493	New Orange	Delaware	3,561
New York	494	New Orange	Delaware	3,561
New York	573	New Orange	Orange	6,569
New York	574	New Orange	Orange	6,569
New York	524	New Orange	Orange	26,227
New York	525	New Orange	Orange	26,227
New York	531	New Orange	Jefferson	6,077
New York	532	New Orange	Onondaga	6,077
New York	533	New Orange	Oswego	6,077
New York	589	New Orange	Tompkins	9,775
New York	590	New Orange	Tompkins	9,775
New York	695	New Orange	Oswego	14,199
New York	696	New Orange	Oswego	14,199
New York	732	New Orange	Saratoga	150,480
New York	733	New Orange	Erie	150,480
New York	775	New Orange	Ulster	26,269
New York	776	New Orange	Ulster	26,269
New York	1224	New Orange	Washington	12,500
New York	898	New Orange	Erie	431,141
New York	899	New Orange	Erie	431,141
New York	500	New Orange	New York	186,773
New York	501	New Orange	Queens	186,773
New York	502	New Orange	New York	186,773
New York	1000	New Orange	Kings	758,937
New York	1001	New Orange	Kings	758,937
New York	1002	New Orange	Richmond	758,937
New York	485	New Orange	Kings	260,428
New York	486	New Orange	Kings	260,428
New York	487	New Orange	Queens	80,474
New York	488	New Orange	Queens	80,474
New York	489	New Orange	Richmond	80,474
New York	553	New York City	Kings	19,059
New York	554	New York City	Kings	19,059
New York	1228	New York City	Bronx	31,336
New York	1229	New York City	Bronx	31,336
New York	537	New York City	Kings	20,000
New York	538	New York City	Kings	20,000
North Carolina	1120	North Carolina	Wilson	45,384
North Carolina	1121	North Carolina	Wilson	45,384
North Carolina	1122	North Carolina	Wilson	45,384
North Carolina	1123	North Carolina	Mecklenburg	82,708
North Carolina	1124	North Carolina	Mecklenburg	82,708
North Carolina	1125	North Carolina	Pitt	80,616
North Carolina	1126	North Carolina	Pitt	80,616
North Carolina	1127	North Carolina	Pitt	80,616
North Carolina	1128	North Carolina	Bladen	17,176
North Carolina	1129	North Carolina	Bladen	17,176
North Carolina	1130	North Carolina	Bladen	17,176
North Carolina	1131	North Carolina	Mecklenburg	75,886
North Carolina	1132	North Carolina	Mecklenburg	75,886
North Carolina	1133	North Carolina	Duplin, Pender	10,000
North Carolina	1134	North Carolina	Cumberland	10,000
North Carolina	1135	North Carolina	Cumberland	10,000
North Carolina	1136	North Carolina	Guilford	128,825
North Carolina	1137	North Carolina	Rockingham, Rowan, Stanly, Stokes	170,000
North Carolina	1138	North Carolina	Rockingham, Rowan, Stanly, Stokes	170,000
North Carolina	1139	North Carolina	Orange, Durham	198,115
North Carolina	1140	North Carolina	Durham, Orange	198,115
North Carolina	1141	North Carolina	Durham	198,115
North Carolina	1142	North Carolina	Mecklenburg	12,256
North Carolina	1143	North Carolina	Mecklenburg	12,256
North Carolina	451	North Carolina	New Hanover	58,301
North Carolina	452	North Carolina	New Hanover	58,301
North Carolina	453	North Carolina	Cumberland	58,301
North Carolina	24	North Carolina	Wake	84,785
North Carolina	25	North Carolina	Wake	84,785
North Carolina	52	North Carolina	Mecklenburg	66,985
North Carolina	53	North Carolina	Mecklenburg	66,985
North Carolina	54	North Carolina	Mecklenburg	128,000
North Carolina	55	North Carolina	Wake	128,000
North Carolina	56	North Carolina	Wake	128,000
North Dakota	1403	North Dakota	Grand Forks	61,000
North Dakota	1404	North Dakota	Grand Forks	61,000
Ohio	1230	Ohio	Preble	8,490
Ohio	1231	Ohio	Montgomery	8,490
Ohio	138	Ohio	Erie	10,000
Ohio	139	Ohio	Ashtabula	10,000
Ohio	140	Ohio	Cuyahoga	10,000
Ohio	129	Ohio	Defiance	23,057
Ohio	130	Ohio	Williams	23,057
Ohio	134	Ohio	Montgomery	76,549
Ohio	135	Ohio	Belmont	76,549
Ohio	141	Ohio	Hancock	42,000
Ohio	142	Ohio	Hancock	42,000
Ohio	143	Ohio	Butler	42,000
Ohio	175	Ohio	Butler	65,000
Ohio	176	Ohio	Hamilton	65,000
Ohio	208	Ohio	Portage	29,000
Ohio	209	Ohio	Summit	29,000
Ohio	231	Ohio	Hamilton	200,000
Ohio	232	Ohio	Clermont	200,000
Ohio	233	Ohio	Warren	200,000
Ohio	238	Ohio	Lucas	190,077
Ohio	239	Ohio	Wood	190,077
Ohio	255	Ohio	Hamilton	566,136
Ohio	256	Ohio	Cuyahoga	566,136
Ohio	277	Ohio	Cuyahoga	526,134
Ohio	278	Ohio	Lorain	526,134
Ohio	280	Ohio	Licking	20,000
Ohio	281	Ohio	Franklin	20,000
Ohio	282	Ohio	Delaware	20,000
Ohio	294	Ohio	Franklin	650417
Ohio	295	Ohio	Franklin	650417
Ohio	389	Ohio	Jefferson	17,864
Ohio	390	Ohio	Trumbull	17,864
Ohio	391	Ohio	Tuscarawas	17,864
Ohio	475	Ohio	Hamilton	9,000
Ohio	476	Ohio	Hamilton	9,000
Ohio	496	Ohio	Washington	47,500
Ohio	497	Ohio	Athens	47,500
Ohio	48	Ohio	Athens	24,306
Ohio	49	Ohio	Hamilton	24,306
Ohio	75	Ohio	Williams	8,631
Ohio	76	Ohio	Fulton	8,631
Ohio	77	Ohio	Lucas	8,631
Ohio	98	Ohio	Pickaway	12,161
Ohio	99	Ohio	Ross	12,161
Ohio	112	Ohio	Wayne	27,280
Ohio	113	Ohio	Montgomery	27,280
Ohio	180	Ohio	Lorain	19,559
Ohio	181	Ohio	Cuyahoga	19,559
Ohio	182	Ohio	Lorain	19,559
Ohio	186	Ohio	Lawrence	10,495
Ohio	187	Ohio	Scioto	10,495
Ohio	214	Ohio	Fairfield	24,365
Ohio	215	Ohio	Hamilton	24,365
Ohio	235	Ohio	Washington	15,294
Ohio	236	Ohio	Meigs	15,294
Ohio	237	Ohio	Hamilton	15,294
Ohio	274	Ohio	Henry	12,244
Ohio	275	Ohio	Lucas	12,244
Ohio	315	Ohio	Lucas	44,989
Ohio	316	Ohio	Butler	44,989
Ohio	339	Ohio	Licking	3,590
Ohio	340	Ohio	Hamilton	3,590
Ohio	34	Ohio	Summit	37,278
Ohio	35	Ohio	Summit	37,278
Ohio	36	Ohio	Summit	37,278
Ohio	37	Ohio	Lucas	37,278
Ohio	38	Ohio	Lucas	37,278
Ohio	39	Ohio	Lucas	37,278
Ohio	411	Ohio	Wyandot	6,750
Ohio	412	Ohio	Hancock	6,750
Ohio	413	Ohio	Crawford	6,750
Ohio	75	Ohio	Scioto	45,000
Ohio	76	Ohio	Lucas	45,000
Ohio	77	Ohio	Mahoning	134,000
Ohio	78	Ohio	Mahoning	134,000
Oklahoma	1	Oklahoma	Garfield	51,000
Oklahoma	2	Oklahoma	Garfield	51,000
Oklahoma	3	Oklahoma	Garfield	51,000
Oregon	1	Oregon	Clackamas	14,000
Oregon	483	Oregon	Jackson	21,105
Oregon	484	Oregon	Jackson	21,105
Oregon	530	Oregon	Clatsop	11,326
Oregon	531	Oregon	Clatsop	11,326
Oregon	544	Oregon	Washington	6,000
Oregon	545	Oregon	Washington	6,000
Oregon	552	Oregon	Hood River	1,000
Oregon	553	Oregon	Wasco	1,000
Oregon	1168	Oregon	Marion	10,994
Oregon	1169	Oregon	Polk	10,994
Oregon	1201	Oregon	Clackamas, Washington, Multnomah	40,499
Oregon	1202	Oregon	Clackamas, Washington, Multnomah	40,499
Oregon	1203	Oregon	Multnomah	40,499
Oregon	504	Oregon	Benton	59,456
Oregon	505	Oregon	Polk	59,456
Oregon	506	Oregon	Lane	8,925
Oregon	507	Oregon	Lane	8,925
Oregon	508	Oregon	Lane	8,925
Oregon	509	Oregon	Lane	8,925
Oregon	510	Oregon	Lane	8,925
Oregon	511	Oregon	Lane	8,925
Oregon	512	Oregon	Lane	8,925
Oregon	513	Oregon	Lane	8,925
Oregon	514	Oregon	Lane	8,925
Oregon	515	Oregon	Lane	8,925
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Oregon	525	Oregon	Lane	8,925
Oregon	526	Oregon	Lane	8,925
Oregon	527	Oregon	Lane	8,925
Oregon	528	Oregon	Lane	8,925
Oregon	529	Oregon	Lane	8,925
Oregon	546	Oregon	Washington	6,000
Oregon	547	Oregon	Washington	6,000
Oregon	548	Oregon	Washington	6,000
Oregon	549	Oregon	Washington	6,000
Oregon	550	Oregon	Washington	6,000
Oregon	551	Oregon	Washington	6,000
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Oregon	570	Oregon	Washington	6,000
Oregon	571	Oregon	Washington	6,000
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Oregon	620	Oregon	Washington	6,000
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Oregon	622	Oregon	Washington	6,000
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Oregon	624	Oregon	Washington	6,000
Oregon	625	Oregon	Washington	6,000
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Oregon	629	Oregon	Washington	6,000
Oregon	630	Oregon	Washington	6,000
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Oregon	632	Oregon	Washington	6,000
Oregon	633	Oregon	Washington	6,000
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Oregon	673	Oregon	Washington	6,000
Oregon	674	Oregon	Washington	6,000
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Oregon	703	Oregon	Washington	6,000
Oregon	704	Oregon	Washington	6,000
Oregon	705	Oregon	Washington	6,000
Oregon	706	Oregon	Washington	6,000
Oregon	707	Oregon	Washington	6,000
Oregon	708	Oregon	Washington	6,000
Oregon	709	Oregon	Washington	6,000
Oregon	710

Oregon	951	Oregon	Umatilla	18,775	N/A
Oregon	953	Oregon	Klamath	20,840	N/A
Oregon	955	Oregon	Yamhill	34,615	N/A
Oregon	956	Oregon	Jackson	133,708	N/A
Oregon	959	Oregon	Umatilla	17,500	N/A
Oregon	961	Oregon	Marion	229,000	N/A
Oregon	965	Oregon	Marion	10,520	N/A
Oregon	967	Oregon	Marion	10,840	N/A
Oregon	969	Oregon	Umatilla	7,605	N/A
Oregon	971	Oregon	Lane	235,155	N/A
Pennsylvania	1081	Pennsylvania	Montgomery	13,000	53.8
Pennsylvania	1083	Pennsylvania	Montgomery	10,000	40.8
Pennsylvania	125	Pennsylvania	Allegheny, Butler	41,000	40.2
Pennsylvania	1473	Pennsylvania	Westmoreland	32,000	N/A
Pennsylvania	1617	Pennsylvania	Lackawanna	88,000	72.2
Pennsylvania	1366	Pennsylvania	Dauphin	124,000	52.14
Pennsylvania	1368	Pennsylvania	Armstrong, Westmoreland	34,200	40.6
Pennsylvania	1375	Pennsylvania	York	85,000	N/A
Pennsylvania	1376	Pennsylvania	Westmoreland	4,600	29
Pennsylvania	1390	Pennsylvania	Lancaster, Monroe	25,000	N/A
Pennsylvania	1529	Pennsylvania	Indiana	28,809	60.43
Pennsylvania	1530	Pennsylvania	Centre	9,600	83
Pennsylvania	1777	Pennsylvania	Monroe	4,000	45.17
Pennsylvania	1787	Pennsylvania	Chester	10,500	56.17
Pennsylvania	1161	Pennsylvania	Lehigh	6,598	57.8
Pennsylvania	1388	Pennsylvania	Allegheny	22,000	54.4
Pennsylvania	1454	Pennsylvania	Bucks	55,000	65.8
Pennsylvania	1357	Pennsylvania	Montgomery	30,000	54.86
Pennsylvania	1358	Pennsylvania	Cumberland	25,000	49.43
Pennsylvania	1359	Pennsylvania	Erie	200,000	38.33
Pennsylvania	1367	Pennsylvania	Franklin	67,000	48.14
Pennsylvania	1368	Pennsylvania	Armstrong, Westmoreland	34,200	22.5
Pennsylvania	1369	Pennsylvania	Westmoreland	25,000	7.43
Pennsylvania	1370	Pennsylvania	Lehigh	200,000	53
Pennsylvania	1375	Pennsylvania	York	85,000	47.75
Pennsylvania	1455	Pennsylvania	Delaware	6,800	64.71
Pennsylvania	1553	Pennsylvania	Mckean	14,194	43.67
Pennsylvania	1554	Pennsylvania	Mercer	16,000	68.71
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700	new site
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700	64.29
Pennsylvania	1776	Pennsylvania	Mercer	19,000	35.29
Pennsylvania	1809	Pennsylvania	Chester	13,500	40.71
Pennsylvania	1667	Pennsylvania	Dauphin	125,000	51
Pennsylvania	1737	Pennsylvania	Delaware	220,000	58.75
Rhode Island	1134	Rhode Island	Kent	60,224	68
Rhode Island	1224	Rhode Island	Kent	33,000	72.6
Rhode Island	548	Rhode Island	Providence	120,000	78.4
Rhode Island	565	Rhode Island	Kent	6,000	51.8
Rhode Island	677	Rhode Island	Bristol	21,100	68.6
Rhode Island	464	Rhode Island	Providence	240,000	74
Rhode Island	76	Rhode Island	Providence	10,000	70.8
Rhode Island	835	Rhode Island	Bristol	11,000	41
South Carolina	1265	South Carolina	Georgetown	12,000	70.8
South Carolina	1541	South Carolina	Horry	30,000	69.4
South Carolina	599	South Carolina	Greenwood	12,000	72.67
South Carolina	906	South Carolina	Lexington	40,000	75
South Carolina	1159	South Carolina	Florence, Darlington	45,000	58.6
South Carolina	1549	South Carolina	Greenville	140,280	71.4
South Carolina	600	South Carolina	Greenwood	48,000	37.8
South Carolina	1871	South Carolina	Beaufort	20,000	new site
South Carolina	877	South Carolina	Kershaw	8,825	91.75
South Carolina	878	South Carolina	Charleston	64,170	N/A
South Carolina	883	South Carolina	York	88,000	91.5
South Carolina	884	South Carolina	Greenville	400,000	89
South Carolina	885	South Carolina	Georgetown	30,000	65
South Carolina	908	South Carolina	Richland	60,000	87
South Carolina	909	South Carolina	Horry	195,000	91.5
South Carolina	1700	South Carolina	Greenville	142,376	new site
South Dakota	1266	South Dakota	Lincoln, Minnehaha	215,000	19
South Dakota	672	South Dakota	Pennington	80,000	29
South Dakota	1165	South Dakota	Yankton	15,500	59.6
South Dakota	493	South Dakota	Beadle	13,289	20.5
Tennessee	1282	Tennessee	Davidson, Rutherford, Williamson	600,000	39
Tennessee	1323	Tennessee	Shelby	300,000	39.8
Tennessee	1445	Tennessee	Sumner	45,000	56
Tennessee	1607	Tennessee	Chester	3,710	63.8
Tennessee	1283	Tennessee	Davidson	600,000	17.5
Tennessee	1329	Tennessee	Shelby	300,000	61.2
Tennessee	1508	Tennessee	Hawkins, Sullivan	60,500	72.4
Tennessee	1539	Tennessee	Sullivan	50,000	54
Tennessee	496	Tennessee	Bradley	52,000	65.8
Texas	1131	Texas	Kaufman	138,700	49.67
Texas	1141	Texas	Travis	510,000	45.75
Texas	1231	Texas	Dallas	500,000	41.2
Texas	1752	Texas	Tarrant	1,200,000	12
Texas	566	Texas	El Paso	143,000	new site
Texas	566	Texas	El Paso	143,000	65.67
Texas	667	Texas	Galveston	26,400	49.8
Texas	673	Texas	El Paso	436,000	32.8
Texas	681	Texas	El Paso	142,000	38.5
Texas	709	Texas	El Paso	170,000	55.25
Texas	865	Texas	Webb	120,000	36.6
Texas	867	Texas	Webb	140,000	42.8
Texas	113	Houston	Harris	3,825	56.67
Texas	165	Houston	Harris, Fort Bend	28,742	65.33
Texas	176	Houston	Harris	9,375	58.67
Texas	272	Houston	Harris	4,010	57
Texas	287	Houston	Harris	12,892	45
Texas	288	Houston	Harris	33,102	62
Texas	350	Houston	Harris	20,608	81
Texas	373	Houston	Harris	32,485	48.67
Texas	375	Houston	Harris	293,227	76
Texas	409	Houston	Harris	97,918	53
Texas	434	Houston	Harris, Fort Bend	20,920	54.67
Texas	446	Houston	Harris	20,758	66.67
Texas	1673	Texas	Dallas	200,000	81.33
Texas	1683	Texas	Dallas	186,000	81.5
Texas	1761	Texas	Potter, Randall	60,000	29.5
Texas	1762	Texas	Potter, Randall	140,000	27.86
Texas	1765	Texas	Wichita	90,000	24.14
Texas	1807	Texas	Cooke	17,300	31
Texas	865	Texas	Webb	120,000	25
Texas	867	Texas	Webb	140,000	39
Texas	1140	Texas	Travis	500,000	49.8
Texas	1210	Texas	Dallas	900,000	78
Texas	1494	Texas	Galveston	20,000	56.6
Texas	593	Texas	Galveston	89,600	60.6
Texas	805	Texas	Dallas	900,000	N/A
Texas	811	Texas	Bexar	415,000	43
Texas	847	Texas	Bexar	230,000	66.2
Texas	848	Texas	Bexar	630,000	36.6
Texas	863	Texas	Webb	30,000	37.6
Texas	135	Houston	Harris	16,030	62
Texas	149	Houston	Harris	4,170	51.67
Texas	160	Houston	Harris	40,689	74.67
Texas	183	Houston	Harris	16,804	57.33
Texas	201	Houston	Harris	124,000	84.67
Texas	207	Houston	Harris, Montgomery	52,055	62
Texas	250	Houston	Harris	20,161	51.33
Texas	289	Houston	Harris	19,867	43.67
Texas	290	Houston	Harris	95,600	78.33
Texas	307	Houston	Harris	5,497	49.33
Texas	35	Houston	Harris	551,150	70.33
Texas	366	Houston	Harris	109,414	48
Texas	367	Houston	Harris	109,414	74.33
Texas	406	Houston	Harris	59,188	36.33
Texas	40	Houston	Harris	117,968	46.67
Texas	435	Houston	Harris	33,645	28
Texas	439	Houston	Harris	85,129	55
Texas	443	Houston	Harris	3,623	13.5
Texas	449	Houston	Harris	8,610	70.33
Texas	56	Houston	Harris	70,900	74
Texas	97	Houston	Harris	37,359	58.67
Utah	1077	Utah	Wasatch	19,936	60.4
Utah	17	Utah	Utah	112,901	58.8
Utah	1	Utah	Washington	24,970	40.25
Utah	23	Utah	Summit	7,460	66.8
Utah	25	Utah	Davis	21,872	61.2
Utah	27	Utah	Washington	92,047	54.8
Utah	29	Utah	Utah	12,510	42.75
Utah	30	Utah	Salt Lake	254,971	46
Utah	31	Utah	Utah	35,840	58.2
Utah	32	Utah	Tooele	36,244	53.8
Utah	34	Utah	Box Elder	12,451	58.75
Utah	3	Utah	Box Elder	21,443	40.6
Utah	6	Utah	Davis	64,533	64.5
Utah	7	Utah	Salt Lake	515,494	69.8
Utah	1736	Utah	Salt Lake	600,000	29.67
Utah	1270	Utah	Tooele	13,000	40
Utah	10	Utah	Cache	9,095	46.4
Utah	11	Utah	Salt Lake	89,507	63
Utah	11	Utah	Salt Lake, Utah	94,484	54.8
Utah	12	Utah	Cache	94,005	48.5
Utah	15	Utah	Grand, San Juan	9,896	23.6
Utah	16	Utah	Weber, Davis	228,700	38.2
Utah	18	Utah	Utah	102,624	69.8
Utah	19	Utah	Carbon	17,312	44
Utah	20	Utah	Utah	21,231	46.4
Utah	21	Utah	Duchesne	6,790	44
Utah	22	Utah	Summit	24,374	60.6
Utah	24	Utah	Davis	84,981	58
Utah	26	Utah	Utah	53,313	58.4
Utah	28	Utah	Salt Lake	209,645	74.8
Utah	2	Utah	Uintah	29,513	43
Utah	33	Utah	Utah	253,112	54.6
Utah	5	Utah	Iron	32,451	43.8
Utah	9	Utah	Davis, Weber	208,850	41.2
Utah	1708	Utah	Utah	115,000	74.8
Vermont	1157	Vermont	Bennington	15,000	83.2
Vermont	1751	Vermont	Chittenden	22,000	38.75
Vermont	1753	Vermont	Windsor	4,500	43
Vermont	1080	Vermont	Chittenden	31,000	60.33
Vermont	1452	Vermont	Caledonia	3,500	35.25
Vermont	1520	Vermont	Washington	15,000	new site
Vermont	701	Vermont	Chittenden	8,500	60.33
Vermont	770	Vermont	Franklin	7,500	83.8
Virginia	1160	Virginia	Hanover	20,000	59
Virginia	1195	Virginia	Norfolk City	78,322	82
Virginia	1197	Virginia	York	118,497	75.33
Virginia	1198	Virginia	Wise	9,340	39.2
Virginia	1211	Virginia	York, Gloucester, Mathews	99,112	48.67
Virginia	1218	Virginia	Petersburg City	30,000	56.2
Virginia	1272	Virginia	Franklin	5,000	68.75
Virginia	892	Virginia	Colonial Heights City, Petersburg City, Prince George, Chesterfield, Dinwiddie	65,000	69.2
Virginia	180	Virginia	Chesapeake City, Virginia Beach City, Norfolk City, Portsmouth City	192,347	76.33
Virginia	1827	Virginia	Prince William, Fairfax, Stafford	165,901	84.67
Virginia	1828	Virginia	Stafford	44,000	76.33
Virginia	1829	Virginia	Bedford, Campbell, Amherst	220,000	new site
Virginia	1830	Virginia	Albemarle	118,266	64.4
Virginia	1832	Virginia	Frederick	16,563	46.2
Virginia	1838	Virginia	Manassas City, Fairfax City, Fauquier, Fairfax, Prince William, Loudoun, Manassas Park City	350,000	87.33
Virginia	342	Virginia	Goochland, Henrico, Richmond City	225,000	76.5
Virginia	42	Virginia	Prince William, Stafford	92,000	62.67
Virginia	42	Virginia	Prince William, Stafford	92,000	N/A
Virginia	454	Virginia	Washington	7,300	44.67
Virginia	1786	Virginia	Carroll	3,000	58
Virginia	1113	Virginia	Arlington	207,627	35.75
Virginia	1202	Virginia	Frederick	51,470	31.4
Virginia	1259	Virginia	Clifton Forge City	5,000	54.2
Virginia	1275	Virginia	Hampton City, Newport News City	141,543	36
Virginia	1338	Virginia	Mecklenburg	5,300	44
Virginia	540	Virginia	Henry	16,000	71.6
Virginia	177	Virginia	Chesapeake City, Norfolk City, Virginia Beach City	530,848	60
Virginia	178	Virginia	Isle Of Wight, Suffolk City, Chesapeake City, Portsmouth City	197,608	52.33
Virginia	181	Virginia	Williamsburg City, Newport News City, York, New Kent, James City	69,059	60.33
Virginia	1826	Virginia	Wise	14,000	45.8
Virginia	1828	Virginia	Stafford	44,000	N/A
Virginia	1829	Virginia	Amherst, Campbell, Bedford	220,000	65
Virginia	1831	Virginia	Rockingham, Harrisonburg City	81,000	84.4
Virginia	1833	Virginia	Montgomery, Pulaski, Radford	70,000	68
Virginia	1834	Virginia	Roanoke, Roanoke City, Salem, Botetourt	300,000	42
Virginia	38	Virginia	Alexandria City, Fairfax	300,000	65.25
Virginia	38	Virginia	Alexandria City, Fairfax	300,000	new site
Virginia	61	Virginia	Montgomery	52,500	78.4
Washington	1139	Washington	King, Pierce	896,000	61.2
Washington	1142	Washington	King, Snohomish	789,000	52.6
Washington	499	Washington	Clark	162,100	40.75
Washington	555	Washington	Snohomish	20,000	58.6
Washington	661	Washington	Snohomish	37,650	63.75
Washington	676	Washington	Snohomish, King	288,000	58.8
Washington	679	Washington	Snohomish	7,125	49.2
Washington	768	Washington	Snohomish	173,800	60.75
Washington	804	Washington	Clark	16,950	52.6
Washington	1398	Washington	Grant	8,475	33.33
Washington	1399	Washington	Jefferson	10,000	N/A
Washington	1512	Washington	Whitman	35,812	33.4
Washington	1757	Washington	Thurston	119,790	66.6
Washington	753	Washington	Franklin	73,000	62.8
Washington	759	Washington	Spokane	225,000	48.29
Washington	1084	Washington	Clark	120,000	45
Washington	510	Washington	Clark	81,140	49.25
Washington	1076	Washington	Chelan	35,550	34.25
Washington	1143	Washington	Pierce	43,000	52.2
Washington	1397	Washington	Pierce	295,855	84.67
Washington	1635	Washington	Yakima	117,072	39.75
Washington	754	Washington	Benton	59,609	N/A
Washington	755	Washington	Benton	15,000	86.6
Washington	758	Washington	Benton	83,000	50.25
Washington	760	Washington	Spokane	120,000	50.5
West Virginia	789	West Virginia	Raleigh	88,900	N/A
West Virginia	1248	West Virginia	Randolph	13,156	34.64
West Virginia	1439	West Virginia	Mason	5,515	93.38
West Virginia	1862	West Virginia	Putnam	28,759	76.2
West Virginia	1865	West Virginia	Cabell	11,250	76.5
West Virginia	387	West Virginia	Monongalia	48,328	62.85
West Virginia	459	West Virginia	Kanawha	50,000	75.46
West Virginia	460	West Virginia	Jefferson	17,000	50.5
West Virginia	463	West Virginia	Marshall	12,000	39
West Virginia	465	West Virginia	Wood	48,050	62.89
West Virginia	687	West Virginia	Harrison	26,498	61
West Virginia	735	West Virginia	Taylor	6,071	36.27
West Virginia	91	West Virginia	Kanawha	49,500	66.67
West Virginia	1250	West Virginia	Boone	4,555	N/A
West Virginia	1860	West Virginia	Kanawha	9,000	N/A
West Virginia	1861	West Virginia	Wayne, Cabell	56,000	69.33
West Virginia	1863	West Virginia	Cabell	7,000	57.09
West Virginia	1864	West Virginia	Cabell	11,250	57.67
West Virginia	206	West Virginia	Mineral	8,168	N/A
West Virginia	445	West Virginia	Ohio	50,000	53.09
West Virginia	466	West Virginia	Mercer	36,000	67.29
Wisconsin	1277	Wisconsin	Dane	360,000	20.6
Wisconsin	1349	Wisconsin	Rock	36,000	39.33
Wisconsin	115	Wisconsin	Waupaca	14,000	46.6
Wisconsin	136	Wisconsin	Chippewa, Eau Claire	73,000	50
Wisconsin	182	Wisconsin	Saint Croix	14,000	65.4
Wisconsin	231	Wisconsin	Dane	345,000	37.69
Wisconsin	232	Wisconsin	Manitowoc	34,500	58
Wisconsin	236	Wisconsin	Marinette	11,000	48.75
Wisconsin	239	Wisconsin	Marathon, Wood	19,300	77.2
Wisconsin	313	Wisconsin	Marinette	3,500	71
Wisconsin	318	Wisconsin	Grant	11,000	55.6
Wisconsin	331	Wisconsin	Racine	139,000	44.2
Wisconsin	344	Wisconsin	Saint Croix, Pierce	15,900	53
Wisconsin	364	Wisconsin	Sheboygan	75,000	51.6
Wisconsin	391	Wisconsin	Dane	33,000	27.6
Wisconsin	420	Wisconsin	Vernon	4,400	62.25
Wisconsin	44	Wisconsin	Ashland	8,200	31.67
Wisconsin	60	Wisconsin	Jackson	5,000	52
Wisconsin	696	Wisconsin	Jefferson, Dodge	23,660	47.6
Wisconsin	120	Wisconsin	Columbia	6,900	N/A
Wisconsin	128	Wisconsin	Brown	43,000	56.2
Wisconsin	153	Wisconsin	Waukesha	51,000	51.8
Wisconsin	164	Wisconsin	Brown, Kewaunee	189,000	72.2
Wisconsin	172	Wisconsin	Washington, Dodge	17,320	58
Wisconsin	1851	Wisconsin	Walworth	28,000	23.8
Wisconsin	189	Wisconsin	Rock	63,000	57.6
Wisconsin	203	Wisconsin	Kenosha	122,000	57.6
Wisconsin	209	Wisconsin	La Crosse	85,000	47.8
Wisconsin	223	Wisconsin	Columbia	3,100	91.33
Wisconsin	243	Wisconsin	Juneau	4,400	48.33
Wisconsin	246	Wisconsin	Dunn	5,000	66.67
Wisconsin	248	Wisconsin	Lincoln	9,700	55.67
Wisconsin	256	Wisconsin	Ozaukee, Milwaukee	470,007	56.6
Wisconsin	257	Wisconsin	Waukesha, Milwaukee, Racine, Washington, Ozaukee	615,934	21.5
Wisconsin	260	Wisconsin	Green	11,000	39.4
Wisconsin	297	Wisconsin	Jefferson, Waukesha	22,300	42.6
Wisconsin	302	Wisconsin	Winnebago	78,300	39.6
Wisconsin	320	Wisconsin	Sheboygan	9,150	46.67
Wisconsin	325	Wisconsin	Columbia	11,000	N/A
Wisconsin	389	Wisconsin	Portage	27,000	47.8
Wisconsin	392	Wisconsin	Douglas	28,000	36.6
Wisconsin	41	Wisconsin	Outagamie, Winnebago, Calumet	72,810	11.8
Wisconsin	432	Wisconsin	Waupaca	8,000	44.6
Wisconsin	433	Wisconsin	Marathon	42,350	31.4
Wyoming	1353	Wyoming	Sheridan	20,000	20
Wyoming	188	Wyoming	Teton	13,036	61.6
Wyoming	1317	Wyoming	Sweetwater	12,000	N/A

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

Terms to Know

Virus levels: SARS-CoV-2 viral RNA concentrations in wastewater. RNA is the virus's genetic material.

Normalization: A statistical method to account for differences in variables such as wastewater flow rate and number of people served by a sewer system. In other words, normalization reduces excess variation (or "noise") and helps account for things like changing population sizes or weather events that can impact wastewater. Normalized data can be compared over time and between different sites. Metrics presented on this page are based on SARS-CoV-2 viral RNA concentrations in wastewater that have been normalized. See the NWSS Data Analytics page for more information.

Sewershed: The geographic area contributing wastewater to a sampling location. Sewersheds may cross county or state boundaries. Sewersheds are referred to as "sites" on the map.

About the Data

†Data will update Monday through Friday as soon as they are reviewed and verified, oftentimes before 8 pm ET. Updates will occur the following day when reporting coincides with a federal holiday. Note: Daily updates (Mon-Fri) might be delayed due to delays in reporting.

Percent of sites in each percent change category over time

- At any point in time, this chart shows what percent of sites reported decreased levels of virus in the previous 15 days, what percent reported increased levels, and what percent stayed the same.
- Viewed over time, the chart shows how this distribution changed.
- For each date, the number of sites in each percent change category is counted and divided by the total number of sampling sites with current data. This information is provided on a stacked area chart to show the change in the percent of sites in each percent change category since January 1, 2021.
- To simplify the chart, the "-9% to 0%" and "1% to 9%" categories were combined into "-9% to 9%," and the "100% to 999%" and "1000% or more" categories were combined into "100% or more." Because the number of sampling sites has changed since January 1, 2021, the total number of sites with current data is shown as a black line on the chart.
- Not all sites have data since January 1, 2021, and not all sites have data for all dates shown on the chart.
- The percent of sites in each percent change category for each date may not add up to 100% due to rounding.

Current virus levels in wastewater by site

- This metric shows whether SARS-CoV-2 levels at a site are currently higher or lower than past levels at the same site. It is calculated by first ordering the SARS-CoV-2 levels in wastewater for all samples collected since December 1, 2021 from the lowest to highest level. The ordered levels are then grouped into five categories (0-19%, 20-39%, 40-59%, 60-79%, and 80-100%) based on how low or high their levels are compared to previous levels. The levels in the 0-19% group represent the lowest levels seen at that sampling site and those in the 80-100% group represent the highest.
- Using December 1, 2021 as a starting date for all sites makes data more comparable between sites. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that have been reporting data since December 1, 2021 or earlier because the data history for these new sites is not long enough to reflect the same surges as the other sites.
- The "New site" category means a site just started collecting wastewater samples and has reported fewer than 10 samples, which is not enough samples to meaningfully compare levels at the site over time.

Percent change in the last 15 days

- This metric shows how much normalized SARS-CoV-2 viral levels in wastewater at each site increased or decreased during the current 15-day time period. This metric does not show overall levels of SARS-CoV-2 in wastewater. Percent change compares past data to current data to show changing trends. A large percent increase does not necessarily mean SARS-CoV-2 viral levels in wastewater are high. For instance, a change from 1 unit to 2 units would be a percent change of 100%. A change from 500,000 units to 1 million units is also a percent change of 100%.
- Percent change is calculated as the modeled change over 15 days, based on linear regression of log-transformed SARS-CoV-2 levels. A site must report at least 2 samples over the 15-day period to calculate percent change. Sites with "No recent data" (colored gray on the map) reported fewer than 2 samples for the current 15-day period.

Percent of wastewater samples with detectable virus in the last 15 days

- This metric shows the percent of wastewater samples at each site that were positive for SARS-CoV-2 RNA over the last 15 days. It does not show overall levels of SARS-CoV-2 in wastewater.
- This metric is calculated by dividing the number of samples in which SARS-CoV-2 was detected at a site by the total number of samples collected for the site during the 15-day period and multiplying by 100.
- Sites with at least one sample and no SARS-CoV-2 viral detections over the past 15 days are listed as "Non-detects" and are shown on the map as hollow circles with a black outline.
- Sites with no samples for the current 15-day period are listed as "No recent data" and colored gray on the map.

SARS-CoV-2 concentrations in wastewater over time

- When a site is selected, a smoothed, spline fit SARS-CoV-2 concentration line is shown for the last 4 months, as data are available. The smoothed SARS-CoV-2 concentration line shows how SARS-CoV-2 concentrations in wastewater at a sampling site have changed over the last 4 months.
- At least 4 samples are required to produce the smoothed SARS-CoV-2 concentration line. If a major change in laboratory methods is reported, only data since the new laboratory method was reported are shown. Sites labeled as 'New sites' in the current virus levels in wastewater metric should be viewed with caution since they have only a few samples to generate their trends lines.

Category change in the last 7 days

- This metric shows the change in the number of sites (represented as a percent) that are in a specific metric category (for example, the 15-day percent change category of 1000% or more) compared to the previous 7 days. In other words, it shows how many sites have been added or removed from the metric category in the past week. It is calculated by subtracting the current number of sites in each metric category from the number of sites in the same category 7 days earlier and dividing by the number of sites in the same category 7 days earlier.
- **If a metric category had no sites in it 7 days earlier, the category change in the last 7 days is listed as "N/A**" since you cannot divide by 0.

County-level data

- Data are presented by sewershed (the geographic area contributing wastewater to a sampling location). Sampling locations may be at wastewater treatment plants or upstream in the sewage network. Sewersheds may cross county or state boundaries. This means multiple sewersheds may serve a single county, and a single sewershed may serve multiple counties. Sewersheds are referred to as "sites" on the map.

Sewershed locations

- Data are plotted in the ZIP code of the sampling location, so points on the map do not correspond exactly to sampling locations.
- All counties represented by a sampling location are highlighted when the sampling location point is selected.
- The District of Columbia (DC) and New York City (NYC) are shown separately on the map to denote sampling locations within DC and NYC. In the "State or Territory" dropdown menu, select "District of Columbia" or "New York City" to zoom to points reported within that jurisdiction. Please note some DC sampling locations may receive wastewater from parts of counties in Virginia or Maryland and some NYC sampling locations may receive wastewater from parts of counties in surrounding states.

Data subject to change

- Wastewater disease surveillance data presented are the best available data and are subject to change. These data may be incomplete for the most recent 15-day period due to processing and reporting delays. All data are provisional.

May 2022 Coverage Limitations

- Beginning April 15, 2022, approximately 150 wastewater sites in 29 states began transitioning to a new wastewater testing provider. During this transition, these sites will not have recent data displayed and will be colored gray on the map. It will take several weeks for enough data to be collected to calculate the metrics displayed on this page. Results for these sites are expected to be available again between mid-May and June 2022.

Data not shown

- Data from sewersheds that serve fewer than 3,000 people.
- Data from sewersheds where population estimates are missing.
- Data from facility or institution-specific sampling locations.
- Wastewater treatment plant names and the names of upstream sampling sites are made anonymous using a consistent, arbitrary number.
- Approximately 20% of US households are on septic systems; the exact percent varies by location. These systems do not connect to wastewater treatment plants where sampling often occurs. Therefore, households on septic systems are not represented in the data.
- Data from sewersheds currently being monitored but not submitted by health departments to CDC. Certain communities collect wastewater samples but do not submit their data to CDC.
- Data from sewersheds may not be presented if there are data quality issues.

Data source

- Data displayed are derived from two sources:
- Data are submitted to CDC by state, tribal, local, and territorial (STLT) health departments participating in the National Wastewater Surveillance System. Participation is voluntary, so not all jurisdictions are reporting to CDC.
- Data are reported through a CDC-managed contract for commercial testing, which is intended to supplement the geographic coverage of the STLT wastewater surveillance programs.

Laboratory methods

- SARS-CoV-2 concentrations in wastewater are measured using reverse transcription quantitative polymerase chain reaction (RT-qPCR) or reverse transcription digital polymerase chain reaction (RT-dPCR). Laboratory processing and quantification methods may vary between sampling sites or, less commonly, within a sampling site over time. Since SARS-CoV-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.

Wondering what all the data mean?

CDC's COVID-Data Tracker Weekly Review helps you stay up to date on interpretation of key data and trends.

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.

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What's this?

Cite COVID Data Tracker

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