COVID Data Tracker

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

COVID-19 Home

CDC recommends use of COVID-19 Community Levels to determine the impact of COVID-19 on communities and to take action. CDC also provides Transmission Levels (also known as Community Transmission) to describe the amount of COVID-19 spread within each county. Healthcare facilities use Transmission Levels to determine infection control interventions.

United States at a Glance

Collapse

Cases Total **103,499,382** Case Trends

Deaths Total **1,117,856** Death Trends

Current **Hosp.** **18,456** Admission Trends

16.2% of People with Updated Booster Dose

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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's spread in communities. For more information, visit the Wastewater Surveillance System page.

Monitoring Wastewater Surveillance Data

Wastewater surveillance for COVID-19 is a 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 in the COVID Data Tracker. How often sites collect wastewater samples and how frequently data are reported to CDC varies by health department.

Wastewater data are meant to be used with other COVID-19 surveillance data to better understand COVID-19's spread in a community. Learn more about wastewater data by exploring each of the charts and maps. To see 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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About the Data

NATIONAL™ WASTEWATER SURVEILLANCE SYSTEM

Maps, charts, and data provided by CDC, updates Mon-Fri by 8pm ET[†]. This represents all wastewater data submitted directly to CDC's NWSS DCIPHER platform, with the exceptions described in the About the Data section below. Each dot on the map represents a site. A site can represent all or part of a "sewershed," which is the area contributing wastewater to a sampling location. Not all communities report wastewater data to CDC. Participation is voluntary, and wastewater samples are collected from sewer systems so communities that rely primarily on septic systems are not represented. In addition, some sites that submit data to NWSS are not represented on the map due to various factors, such as small population size or having facility-specific sampling.

View Footnotes and Download Data

Wastewater Metric Chart

This chart shows how much virus levels have changed (increased and decreased) over time at wastewater sites across the United States. It shows the percent of sites in each category of the percent change metric for each date among all sites with available data.

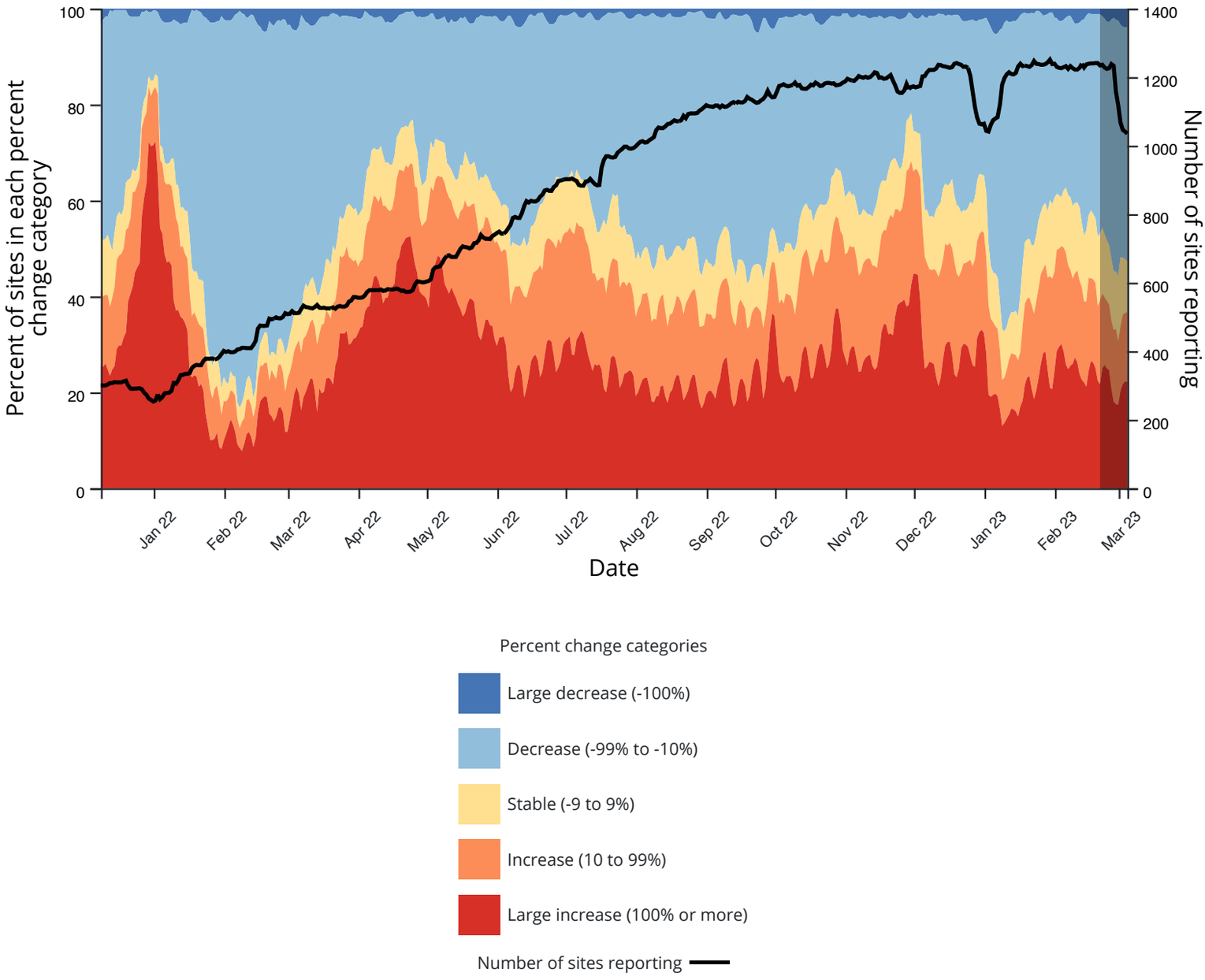
The percent change metric shows whether virus levels have increased or decreased at sites over the last 15 days.

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

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

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

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



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

Download

Wastewater Metric Map

State or territory:

Select State or Territory

County:

Select a state in order to enable county select

Reset Selections

Time Period: Feb 19, 2023 – Mar 05, 2023

Metric:

- (●) Current virus levels in wastewater by site
- ( ) Percent change in the last 15 days
- ( ) Percent of wastewater samples with detectable virus

Show:

- [x] Sites with no recent data
- [x] Sites that started sampling after 12/1/21

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 historical levels at the same site. 0% means levels are the lowest they have been at the site; 100% means levels are the highest they have been at the site. 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 began collecting data at different times. Sites that began reporting wastewater data after December 1, 2021 are not comparable to sites that started reporting data on 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.

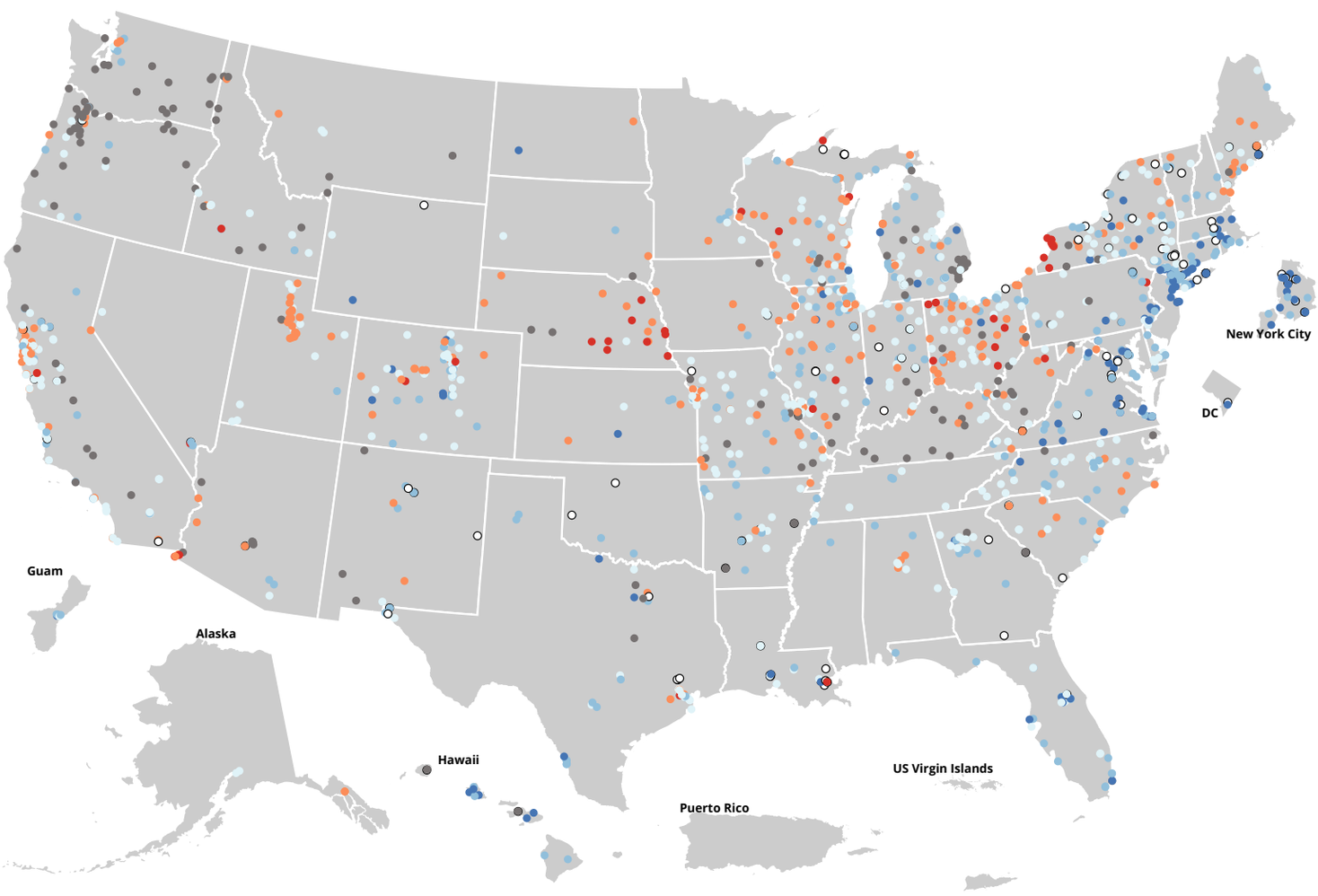
Current SARS-CoV-2 virus levels by site, United States

Current virus levels category	Num. sites	% sites	Category change in last 7 days
New Site	104	8	16%
0% to 19%	109	8	20%
20% to 39%	316	25	– 5%
40% to 59%	442	34	– 7%
60% to 79%	271	21	– 9%
80% to 100%	44	3	– 23%

Total sites with current data: 1286

Total number of wastewater sampling sites: 1470

How is the current SARS-CoV-2 level compared to past levels calculated?



Select legend categories to filter points on the map.

New site · 0% to 19% · 20% to 39% · 40% to 59% · 60% to 79% · 80% to 100% · No recent data

Data Downloads and Footnotes

Expand each accordion to view data table and download data

View Historic Wastewater Data

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

CDC | Data as of: Wednesday, March 8, 2023 3:07 PM ET. Posted: Wednesday, March 8, 2023 4:36 PM ET

Download Data

Jurisdiction	Sewershed ID	Reporting Jurisdiction	County	Population Served	Current Virus Levels (in %)
Alaska	1158	Alaska	Anchorage	15,000	41.4
Alaska	1172	Alaska	Anchorage	200,000	44.4
Alabama	1394	Alabama	Shelby	11,000	53.6
Alabama	1464	Alabama	Lee	72,000	43.5
Alabama	1778	Alabama	Marshall	9,000	35
Arkansas	1461	Arkansas	Saline	35,000	40
Arkansas	1509	Arkansas	White	25,000	43
Arkansas	1536	Arkansas	Greene	29,000	49.2
Arkansas	1537	Arkansas	Benton	17,737	32.4
Arkansas	1544	Arkansas	Garland	92,000	new site
Arkansas	1544	Arkansas	Garland	92,000	32.5
Arkansas	1558	Arkansas	Hempstead	10,500	new site
Arkansas	1565	Arkansas	Ouachita	10,200	35.8
Arkansas	446	Arkansas	Pulaski	32,043	62.4
Arkansas	741	Arkansas	Mississippi	5,500	31.4
Arizona	1271	Arizona	Pima	23,000	42.67
Arizona	1327	Arizona	Mohave	30,000	N/A
Arizona	501	Arizona	La Paz	3,500	72
Arizona	808	Arizona	Mohave	37,500	60
California	1219	California	Lake	5,000	26
California	1288	California	El Dorado	40,000	65.5
California	1320	California	Ventura	230,000	38.8
California	1387	California	Monterey	250,000	72.8
California	1443	California	Imperial	50,000	N/A

California	1561	California	San Luis Obispo	6,500	41
California	495	California	Santa Cruz	60,000	new site
California	495	California	Santa Cruz	60,000	56
California	506	California	Los Angeles, Ventura	100,000	18
California	564	California	Alameda	60,000	54
California	570	California	Sonoma	220,000	54.2
California	724	California	Contra Costa	215,394	50.8
California	778	California	Lake	10,080	N/A
California	793	California	San Luis Obispo	39,000	39.8
California	802	California	Santa Cruz	85,000	40.8
California	803	California	Santa Cruz	150,000	60.6
Colorado	1290	Colorado	Garfield	7,300	14.2
Connecticut	1079	Connecticut	New Haven	228,000	10.8
Connecticut	1196	Connecticut	New Haven	19,500	32.2
Connecticut	1395	Connecticut	Fairfield	52,265	8.2
Connecticut	1618	Connecticut	Hartford	25,000	10.4
Connecticut	2003	Connecticut	Fairfield	45,878	new site
Connecticut	291	Connecticut	Fairfield	75,000	17
Connecticut	771	Connecticut	Fairfield	120,000	6.6
Connecticut	795	Connecticut	Windham	10,000	N/A
Connecticut	806	Connecticut	Fairfield	65,000	N/A
Florida	1392	Florida	Hillsborough	180,000	29.8
Florida	1408	Florida	Orange, Seminole	85,700	38
Florida	1501	Florida	Alachua	100,000	39.2
Florida	1502	Florida	Alachua	100,000	49.6
Florida	1551	Florida	Palm Beach	300,000	25
Florida	1552	Florida	Leon	200,000	33.2
Florida	1631	Florida	Orange	50,000	45.2
Florida	511	Florida	Pinellas	103,000	16.6
Florida	574	Florida	Pinellas	220,000	43
Florida	706	Florida	Escambia	197,000	38.25
Georgia	1109	Georgia	Lowndes	65,000	N/A
Georgia	476	Georgia	Richmond	197,191	new site
Georgia	684	Georgia	Dekalb	325,000	33
Guam	1440	Guam	Guam	66,000	9.6

Guam	1446	Guam	Guam	8,000	19.6
Guam	1448	Guam	Guam	105,000	27.4
Hawaii	1175	Hawaii	Maui	52,000	new site
Hawaii	1175	Hawaii	Maui	52,000	N/A
Hawaii	710	Hawaii	Kauai	10,000	new site
Hawaii	710	Hawaii	Kauai	10,000	N/A
Hawaii	790	Hawaii	Honolulu	700,000	10.4
Hawaii	798	Hawaii	Honolulu	48,519	16.4
Iowa	1303	Iowa	Woodbury	102,000	64
Iowa	1447	Iowa	Mahaska	5,201	20.67
Iowa	1449	Iowa	Mahaska	6,357	68
Iowa	544	Iowa	Johnson	75,849	new site
Iowa	544	Iowa	Johnson	75,849	47.2
Illinois	546	Illinois	Kankakee	65,000	new site
Illinois	682	Illinois	Cook	265,000	54.4
Illinois	683	Illinois	Cook	161,000	40.4
Indiana	1267	Indiana	Kosciusko	21,600	33
Indiana	1273	Indiana	Dubois	16,000	65.2
Indiana	1289	Indiana	Vigo	58,500	19
Indiana	1293	Indiana	St Joseph	130,000	38.8
Indiana	1318	Indiana	Huntington	17,612	new site
Indiana	1350	Indiana	Allen	315,000	55.2
Indiana	1352	Indiana	Jefferson	16,000	N/A
Indiana	1918	Indiana	Tippecanoe	60,000	new site
Indiana	828	Indiana	Hamilton	86,000	27.6
Kansas	1299	Kansas	Johnson	112,076	56.5
Kansas	1300	Kansas	Johnson	42,235	59.4
Kansas	1304	Kansas	Johnson	73,829	40
Kansas	807	Kansas	Ford	27,000	60.2
Kansas	833	Kansas	Shawnee	50,000	29.8
Louisiana	1107	Louisiana	East Baton Rouge	262,326	40.5
Louisiana	1116	Louisiana	East Baton Rouge	99,712	28.67
Louisiana	1229	Louisiana	Rapides	60,000	new site
Louisiana	1497	Louisiana	Jefferson	300,000	new site
Louisiana	1615	Louisiana	Saint Tammany	15,000	N/A

Louisiana	1626	Louisiana	Jefferson	100,000	N/A
Louisiana	1633	Louisiana	Lafayette	40,000	new site
Louisiana	1633	Louisiana	Lafayette	40,000	47.2
Louisiana	1650	Louisiana	Lafayette	27,000	new site
Louisiana	1650	Louisiana	Lafayette	27,000	47
Louisiana	1651	Louisiana	Lafayette	10,000	new site
Louisiana	1652	Louisiana	Lafayette	47,000	new site
Louisiana	1652	Louisiana	Lafayette	47,000	51.8
Louisiana	1659	Louisiana	Jefferson	100,000	32.4
Louisiana	727	Louisiana	Orleans	998,000	56
Massachusetts	1330	Massachusetts	Worcester	3,000	38.4
Massachusetts	1495	Massachusetts	Worcester	42,000	N/A
Massachusetts	470	Massachusetts	Hampden	55,000	27.6
Maryland	1261	Maryland	Anne Arundel	91,000	new site
Maryland	1261	Maryland	Anne Arundel	91,000	27.4
Maryland	1262	Maryland	Anne Arundel	11,000	25.2
Maryland	1268	Maryland	Anne Arundel	150,000	new site
Maryland	1284	Maryland	Anne Arundel	78,000	16
Maryland	1348	Maryland	Charles	88,500	27.8
Maryland	547	Maryland	Howard	270,000	23.25
Maryland	563	Maryland	Wicomico	37,000	20.8
Maryland	666	Maryland	Allegany	45,000	N/A
Maine	1206	Maine	York	21,000	N/A
Maine	1302	Maine	York	21,000	47
Maine	347	Maine	Knox	7,000	new site
Maine	484	Maine	Franklin	2,750	new site
Maine	560	Maine	Sagadahoc	8,514	73.8
Maine	716	Maine	Cumberland	8,500	34.8
Minnesota	783	Minnesota	Ramsey, Anoka, Dakota, Hennepin, Washington	1,950,000	31.4
Minnesota	849	Minnesota	Hennepin, Carver, Scott	300,000	33
Missouri	1559	Missouri	Jefferson	12,500	new site
Montana	1176	Montana	Custer	8,800	N/A

North Carolina	1148	North Carolina	Surry	10,000	N/A
North Carolina	1220	North Carolina	Rowan	31,536	36.6
North Carolina	1223	North Carolina	Rowan	22,940	31.8
North Carolina	537	North Carolina	Stanly	20,000	58.8
North Carolina	538	North Carolina	Pasquotank	18,000	N/A
North Carolina	569	North Carolina	Greene, Lenoir	20,484	54.2
North Dakota	1463	North Dakota	Grand Forks	67,000	60
North Dakota	1471	North Dakota	Stark	25,679	13.75
New Hampshire	285	New Hampshire	Carroll	25,000	24.75
New Hampshire	497	New Hampshire	Merrimack	43,000	32.2
New Jersey	1291	New Jersey	Passaic	54,000	24.17
New Jersey	1453	New Jersey	Monmouth	47,000	N/A
New Jersey	1616	New Jersey	Monmouth	40,000	15.2
New Mexico	1386	New Mexico	Los Alamos	13,000	30.33
New Mexico	764	New Mexico	Bernalillo, Sandoval	650,000	34.5
New Mexico	854	New Mexico	Los Alamos	5,852	N/A
Nevada	1082	Nevada	Clark	984,000	30.6
Nevada	554	Nevada	Washoe	200,000	40.75
Nevada	663	Nevada	Clark	265,000	new site
Nevada	703	Nevada	Clark	650,000	90.8
Nevada	777	Nevada	Clark	246,258	20.8
New York City	485	New York City	Kings	283,428	new site
New York City	487	New York City	Queens	848,328	new site
New York City	498	New York City	Bronx	684,569	new site
New York City	498	New York City	Bronx	684,569	9
New York City	500	New York City	New York	588,772	new site
New York City	500	New York City	New York	588,772	10.33
New York City	503	New York City	Queens	90,474	new site
New York City	505	New York City	Queens	410,812	new site
New York City	505	New York City	Queens	410,812	3.33
New York City	509	New York City	New York	588,772	new site
New York City	509	New York City	New York	588,772	4.67
New York City	541	New York City	Kings	596,326	24.25

New York City	549	New York City	Kings	1,068,012	17.75
New York City	551	New York City	Kings	758,007	3.25
New York City	552	New York City	Richmond	198,128	26
Oklahoma	1264	Oklahoma	Carter	25,000	30.2
Oklahoma	767	Oklahoma	Garfield	51,000	55.8
Oklahoma	831	Oklahoma	Beckham	11,500	28.4
Pennsylvania	1081	Pennsylvania	Montgomery	13,000	8.2
Pennsylvania	1083	Pennsylvania	Montgomery	10,000	12.8
Pennsylvania	125	Pennsylvania	Allegheny, Butler	41,000	47
Pennsylvania	1473	Pennsylvania	Westmoreland	32,000	N/A
Pennsylvania	1617	Pennsylvania	Lackawanna	88,000	31.6
Rhode Island	1134	Rhode Island	Kent	60,224	9.4
Rhode Island	1224	Rhode Island	Kent	33,000	24.8
Rhode Island	548	Rhode Island	Providence	120,000	19.6
Rhode Island	565	Rhode Island	Kent	6,000	26.2
Rhode Island	677	Rhode Island	Bristol	21,100	28
South Carolina	1265	South Carolina	Georgetown	12,000	36.75
South Carolina	1541	South Carolina	Horry	30,000	20
South Carolina	1549	South Carolina	Greenville	140,280	new site
South Carolina	599	South Carolina	Greenwood	12,000	55.67
South Dakota	1266	South Dakota	Lincoln, Minnehaha	215,000	63
South Dakota	672	South Dakota	Pennington	80,000	54
Tennessee	1282	Tennessee	Davidson, Rutherford, Williamson	600,000	21
Tennessee	1323	Tennessee	Shelby	300,000	40.6
Tennessee	1445	Tennessee	Sumner	45,000	40.8
Tennessee	1607	Tennessee	Chester	3,710	57.2
Texas	1131	Texas	Kaufman	138,700	N/A
Texas	1141	Texas	Travis	510,000	44.33
Texas	1231	Texas	Dallas	500,000	36.6
Texas	1752	Texas	Tarrant	1,200,000	13
Texas	566	Texas	El Paso	143,000	new site
Texas	566	Texas	El Paso	143,000	39.25
Texas	667	Texas	Galveston	26,400	48.4
Texas	673	Texas	El Paso	436,000	40.4

Texas	681	Texas	El Paso	142,000	34.75
Texas	709	Texas	El Paso	170,000	33
Texas	865	Texas	Webb	120,000	30.4
Texas	867	Texas	Webb	140,000	35.8
Virginia	1113	Virginia	Arlington	207,627	new site
Virginia	1160	Virginia	Hanover	20,000	18.2
Virginia	1195	Virginia	Norfolk City	78,322	16
Virginia	1197	Virginia	York	118,497	34.5
Virginia	1198	Virginia	Wise	9,340	22.5
Virginia	1211	Virginia	York, Gloucester, Mathews	99,112	7.5
Virginia	1218	Virginia	Petersburg City	30,000	13.2
Virginia	1272	Virginia	Franklin	5,000	29.8
Virginia	892	Virginia	Colonial Heights City, Petersburg City, Prince George,	65,000	28.4

			Chesterfield, Dinwiddie		
Vermont	1157	Vermont	Bennington	15,000	49
Vermont	1751	Vermont	Chittenden	22,000	48.75
Vermont	1753	Vermont	Windsor	4,500	20.5
Washington	1139	Washington	King, Pierce	896,000	29
Washington	1142	Washington	King, Snohomish	789,000	31.8
Washington	499	Washington	Clark	162,100	N/A
Washington	555	Washington	Snohomish	20,000	37.2
Washington	661	Washington	Snohomish	37,650	43.2
Washington	676	Washington	Snohomish, King	288,000	31.4
Washington	679	Washington	Snohomish	7,125	65.5
Washington	768	Washington	Snohomish	173,800	64.4
Washington	804	Washington	Clark	16,950	N/A
Wisconsin	1277	Wisconsin	Dane	360,000	43
Wisconsin	1349	Wisconsin	Rock	36,000	N/A
West Virginia	789	West Virginia	Raleigh	88,900	N/A
Wyoming	1353	Wyoming	Sheridan	20,000	36
Wyoming	188	Wyoming	Teton	13,036	46.4
Arizona	1054	Arizona	Yuma	10,873	89
Arizona	1055	Arizona	Yuma	19,000	58.8
Arizona	1055	Arizona	Yuma	4,725	69.8
Arizona	1212	Arizona	Maricopa	142,520	N/A
Arizona	1212	Arizona	Maricopa	64,521	N/A
Arizona	1212	Arizona	Maricopa	6,500	N/A
California	1188	California	Ventura	220,000	N/A
California	1361	California	Stanislaus	86,000	N/A
California	1365	California	Yolo	3,272	N/A
California	1371	California	Merced	42,000	N/A
California	1372	California	Merced	91,000	N/A
California	1513	California	Kern	279,023	N/A
California	215	California	Los Angeles, Ventura	4,000,000	57.29
California	299	California	Orange	1,800,000	53.71
California	352	California	Santa Clara	110,338	57.67
California	356	California	San Bernardino	325,000	59.67

California	357	California	San Diego	2,200,000	63.43
California	363	California	San Mateo, San Francisco	750,000	41
California	363	California	San Mateo, San Francisco	750,000	82.14
California	383	California	Sacramento	1,480,000	48
California	393	California	San Mateo	199,000	68.2
California	77	California	Imperial	40,000	65.17
California	88	California	Contra Costa	487,300	59.86
Colorado	1135	Colorado	Teller	6,379	18
Colorado	1156	Colorado	Pitkin	5,714	57.6
Colorado	142	Colorado	Larimer	5,818	26.75
Colorado	1451	Colorado	Chaffee	19,286	24
Colorado	150	Colorado	Larimer	17,997	28.2
Colorado	1515	Colorado	El Paso	4,779	42.25
Colorado	1525	Colorado	Weld	13,779	65.5
Colorado	1588	Colorado	Douglas	14,286	49.2
Colorado	1592	Colorado	Montrose	30,857	13
Colorado	161	Colorado	Garfield	16,714	52
Colorado	1748	Colorado	Delta	6,857	43.2
Colorado	1818	Colorado	Boulder	31,429	71.8
Colorado	226	Colorado	Boulder	17,600	30
Colorado	227	Colorado	Larimer	66,428	49
Colorado	252	Colorado	Denver	709,904	36
Colorado	329	Colorado	Pueblo	96,514	45.2
Colorado	396	Colorado	San Miguel	15,000	60
Colorado	437	Colorado	Larimer	9,292	48.8
Colorado	47	Colorado	Pitkin	5,500	80.6
Colorado	556	Colorado	Morgan	12,000	72.75
Colorado	576	Colorado	Routt	43,741	54.5
Colorado	657	Colorado	Summit	28,571	51.2
Colorado	733	Colorado	Douglas	34,786	55
Colorado	737	Colorado	Alamosa	18,364	59.75
Colorado	749	Colorado	Eagle	21,071	74
Colorado	751	Colorado	Mesa	89,286	69

Colorado	846	Colorado	Gunnison	30,000	36.5
Colorado	928	Colorado	Weld	20,000	55.4
Delaware	1184	Delaware	Kent	130,000	34
Delaware	1186	Delaware	Sussex	4,050	59
Delaware	1191	Delaware	Sussex	75,000	39
Florida	1144	Florida	Orange, Seminole	51,000	38.67
Florida	1145	Florida	Seminole	43,010	N/A
Georgia	1072	Georgia	Gwinnett	650,000	42.6
Georgia	1074	Georgia	Paulding	8,000	19.6
Georgia	1724	Georgia	Forsyth	36,500	N/A
Idaho	1023	Idaho	Latah	24,000	N/A
Idaho	1066	Idaho	Bonneville	60,000	N/A
Idaho	1067	Idaho	Twin Falls	48,951	N/A
Idaho	1129	Idaho	Kootenai	38,500	N/A
Idaho	1227	Idaho	Bannock	75,000	36.5
Idaho	1347	Idaho	Minidoka	6,200	N/A
Idaho	1603	Idaho	Ada	117,635	61.83
Idaho	1915	Idaho	Nez Perce	35,000	N/A
Idaho	1916	Idaho	Canyon	100,200	N/A
Idaho	992	Idaho	Ada	167,500	66.29
Illinois	1062	Illinois	Kendall	320,000	21
Illinois	1100	Illinois	Du Page	40,438	32.25
Illinois	1247	Illinois	Lake	80,000	20.2
Illinois	1252	Illinois	Du Page	59,805	59.2
Illinois	1316	Illinois	Will	50,244	34.25
Illinois	1326	Illinois	Saint Clair	85,593	58.6
Illinois	1586	Illinois	Mchenry	15,360	26.8
Illinois	1609	Illinois	Du Page	45,000	40.75
Illinois	1817	Illinois	Iroquois	6,150	45.6
Illinois	1848	Illinois	Du Page	86,000	33.8
Illinois	1849	Illinois	Mchenry	10,240	24
Illinois	1944	Illinois	Sangamon	50,000	new site
Illinois	462	Illinois	Winnebago	353,599	65.25
Illinois	602	Illinois	Union	4,442	N/A
Illinois	604	Illinois	Cass	5,446	33.67

Illinois	616	Illinois	Christian	12,663	34.4
Illinois	617	Illinois	Mchenry	78,261	55.4
Illinois	622	Illinois	Effingham	12,384	57.8
Illinois	623	Illinois	Clay	5,100	42.6
Illinois	624	Illinois	Stephenson	27,218	46.67
Illinois	626	Illinois	Knox	39,153	59.2
Illinois	627	Illinois	Morgan	23,818	39.2
Illinois	628	Illinois	Kankakee	56,317	60.75
Illinois	635	Chicago	Cook	23,475	79.8
Illinois	635	Illinois	Cook	1,134,897	71.57
Illinois	636	Illinois	Cook	110,394	42.14
Illinois	637	Illinois	Cook	13,098	64.71
Illinois	639	Illinois	Cook	1,127,736	32.71
Illinois	641	Illinois	Cook	217,106	37
Illinois	643	Illinois	Lake	55,735	50
Illinois	644	Illinois	Lake	105,208	54
Illinois	645	Illinois	Lake	126,629	52.6
Illinois	649	Illinois	Bureau	7,555	16.5
Illinois	650	Illinois	Adams	50,695	53.6
Illinois	651	Illinois	Carroll	5,615	24.5
Illinois	652	Illinois	Shelby	5,329	95
Illinois	653	Illinois	Macoupin	4,480	51.4
Illinois	654	Illinois	Whiteside	18,678	45.25
Illinois	674	Chicago	Cook	23,324	45
Illinois	674	Chicago	Cook	54,362	68.8
Illinois	675	Chicago	Cook	77,799	78.2
Illinois	731	Illinois	Bureau	5,400	71.4
Illinois	857	Illinois	Lawrence	4,399	27
Illinois	983	Illinois	Mchenry	15,000	64.25
Illinois	984	Illinois	Du Page	18,800	89.5
Indiana	1456	Indiana	Clark	21,000	62
Indiana	1459	Indiana	Jasper	5,800	76.8
Indiana	1479	Indiana	Elkhart	35,000	65.4
Indiana	1481	Indiana	Marion	14,000	50.4
Indiana	1619	Indiana	Marion	800,000	65.2

Kentucky	1253	Kentucky	Boyd	32,575	34.5
Kentucky	1257	Kentucky	Magoffin	3,508	52
Kentucky	1579	Kentucky	Franklin	36,137	N/A
Kentucky	1581	Kentucky	Jessamine	31,038	N/A
Kentucky	1771	Kentucky	Russell	6,483	N/A
Kentucky	1772	Kentucky	Mccreary	6,255	N/A
Kentucky	1773	Kentucky	Powell	4,603	N/A
Maine	1989	Maine	Cumberland	15,000	65
Maine	1995	Maine	Kennebec	19,000	53.6
Maine	2001	Maine	Cumberland	24,000	59.8
Maine	2002	Maine	York	15,000	69.2
Michigan	1036	Michigan	Allegan	5,500	31.2
Michigan	1040	Michigan	Ottawa	3,511	54.8
Michigan	1049	Michigan	Allegan	3,777	55.6
Michigan	1050	Michigan	Saint Joseph	10,681	39.2
Michigan	1089	Michigan	Chippewa	6,546	53.67
Michigan	1090	Michigan	Manistee	8,154	79.75
Michigan	1090	Michigan	Manistee	8,154	67.5
Michigan	1090	Michigan	Manistee	8,154	62
Michigan	1093	Michigan	Mackinac	3,460	35
Michigan	1104	Michigan	Mackinac	14,000	N/A
Michigan	1105	Michigan	Menominee	3,842	94
Michigan	1106	Michigan	Iosco	5,000	42.33
Michigan	1125	Michigan	Marquette	3,500	new site
Michigan	1125	Michigan	Marquette	25,000	58.67
Michigan	1166	Michigan	Huron	4,000	16.33
Michigan	1214	Michigan	Kent	40,000	37.4
Michigan	1215	Michigan	Kent	41,000	65.2
Michigan	1216	Michigan	Midland	40,000	50.5
Michigan	1217	Michigan	Kent	145,000	56.4
Michigan	1239	Michigan	Isabella	7,615	N/A
Michigan	1585	Michigan	Kent	7,000	42.8
Michigan	1597	Michigan	Mecosta	21,000	N/A
Michigan	1627	Michigan	Gogebic	6,500	69

Michigan	1729	Michigan	Macomb	99,970	N/A
Michigan	1729	Michigan	Macomb	37,570	N/A
Michigan	1729	Michigan	Macomb	56,026	N/A
Michigan	1730	Michigan	Macomb	5,800	N/A
Michigan	1731	Michigan	Macomb	3,900	N/A
Michigan	1942	Michigan	Macomb	12,400	N/A
Michigan	1952	Michigan	Baraga	8,320	new site
Michigan	761	Michigan	Lenawee	8,680	47.29
Michigan	762	Michigan	Washtenaw	330,000	35.93
Michigan	799	Michigan	Washtenaw	150,000	44.87
Michigan	822	Michigan	Delta	12,600	34
Michigan	861	Michigan	Saginaw	40,000	39.25
Michigan	888	Michigan	Calhoun	70,000	N/A
Michigan	889	Michigan	Ottawa	11,057	44.8
Michigan	891	Michigan	Kalamazoo	9,709	39.8
Michigan	891	Michigan	Kalamazoo	6,703	48.2
Michigan	891	Michigan	Kalamazoo	3,416	41
Michigan	891	Michigan	Kalamazoo	45,976	47.2
Michigan	891	Michigan	Kalamazoo	11,246	49
Michigan	891	Michigan	Kalamazoo	31,189	56
Michigan	891	Michigan	Kalamazoo	194,170	46.6
Michigan	897	Michigan	Oakland, Macomb	1,482,000	N/A
Missouri	114	Missouri	Henry	9,118	45
Missouri	119	Missouri	Boone	123,180	55
Missouri	130	Missouri	Stoddard	6,000	N/A
Missouri	132	Missouri	Saint Charles	58,777	64
Missouri	133	Missouri	Saint Charles	47,758	52.5
Missouri	156	Missouri	Madison	4,000	57
Missouri	191	Missouri	Newton	15,906	53
Missouri	197	Missouri	Clay, Platte	13,940	20.33
Missouri	199	Missouri	Platte, Clay	12,855	59.5
Missouri	213	Missouri	Barton	4,532	43.33
Missouri	238	Missouri	Saline	10,113	26.5
Missouri	240	Missouri	Webster	8,000	43.33
Missouri	242	Missouri	Nodaway	12,000	49

Missouri	253	Missouri	Audrain	11,500	46.67
Missouri	259	Missouri	Barry, Lawrence	9,100	49.67
Missouri	264	Missouri	Saint Louis, Saint Louis City	306,647	61
Missouri	267	Missouri	Saint Louis	115,895	56
Missouri	268	Missouri	Saint Louis	451,367	56
Missouri	269	Missouri	Jefferson, Saint Louis	66,738	53.67
Missouri	270	Missouri	Saint Louis, Saint Charles	174,537	59.33
Missouri	279	Missouri	Newton	12,000	66.67
Missouri	293	Missouri	Jefferson, Saint Louis	27,391	N/A
Missouri	306	Missouri	Franklin, Saint Louis	7,001	N/A
Missouri	348	Missouri	Phelps	15,000	36.5
Missouri	355	Missouri	Andrew	4,572	new site
Missouri	358	Missouri	Pettis	7,500	N/A
Missouri	360	Missouri	Pettis	10,730	60.5
Missouri	385	Missouri	Buchanan	27,000	N/A
Missouri	386	Missouri	Saint Charles	60,000	42.33
Missouri	423	Missouri	Johnson	11,883	32.33
Missouri	429	Missouri	Franklin	15,000	35.33
Missouri	64	Missouri	Saint Francois	7,165	61
Missouri	69	Missouri	Taney	6,155	37
Missouri	71	Missouri	Linn	3,979	55.67
Missouri	78	Missouri	Caldwell, Clinton, Dekalb	9,700	55.33
Missouri	81	Missouri	Cape Girardeau, Scott	33,540	68.67
Missouri	82	Missouri	Carroll	3,784	57.33
Missouri	83	Missouri	Jasper	12,000	N/A
Missouri	87	Missouri	Barry	3,300	55
Missouri	95	Missouri	Livingston	9,000	49
Montana	1032	Montana	Gallatin	3,000	N/A
Montana	1035	Montana	Gallatin	1,272	N/A
Montana	976	Montana	Lewis And Clark	2,273	48.67
Montana	977	Montana	Lewis And Clark	37,125	41
North Carolina	111	North Carolina	Wilson	49,384	58.4

North Carolina	1521	North Carolina	Mecklenburg	82,158	52.2
North Carolina	1523	North Carolina	Durham	142,000	54.4
North Carolina	167	North Carolina	Pitt	89,616	37.4
North Carolina	237	North Carolina	Mcdowell	8,459	43.4
North Carolina	332	North Carolina	Wake	550,000	42.8
North Carolina	335	North Carolina	Wake	7,776	69.8
North Carolina	451	North Carolina	New Hanover	67,743	38.2
North Carolina	86	North Carolina	Wake	75,886	40.8
Nebraska	1493	Nebraska	Holt	3,700	77.75
Nebraska	916	Nebraska	Platte	23,000	95.25
Nebraska	917	Nebraska	Dodge	28,000	63.8
Nebraska	919	Nebraska	Adams	24,692	85
Nebraska	921	Nebraska	Douglas	200,000	81.4
Nebraska	923	Nebraska	Douglas, Sarpy	600,000	80
Nebraska	924	Nebraska	Scotts Bluff	15,932	78.4
Nebraska	987	Nebraska	Stanton, Madison	27,000	77.2
Nebraska	988	Nebraska	Lincoln	24,000	N/A
New Mexico	1339	New Mexico	Sandoval	101,750	63.2
New Mexico	1510	New Mexico	Curry	45,000	new site
New York	1000	New York	Erie	17,983	73
New York	1002	New York	Erie	24,461	94.33
New York	1003	New York	Monroe	487,322	23.67
New York	1006	New York	Chautauqua	32,501	93.67
New York	1010	New York	Monroe	155,096	26.67
New York	1011	New York	Cattaraugus	17,760	N/A
New York	1012	New York	Erie	83,961	88
New York	1021	New York	Nassau	20,616	25.75
New York	1041	New York	Suffolk	278,775	15.25
New York	1043	New York	Suffolk	3,349	54.8
New York	1078	New York	Wayne	8,931	45
New York	1097	New York	Dutchess	38,207	11
New York	1098	New York	Sullivan	4,925	28.33
New York	1149	New York	Tioga	3,750	50
New York	1151	New York	Oneida	27,849	33
New York	1153	New York	Livingston	15,688	71.33

New York	1170	New York	Greene	4,896	40.33
New York	1213	New York	Ontario	17,936	45.67
New York	1306	New York	Nassau	524,955	30.2
New York	1336	New York	Chemung	18,085	33.33
New York	1400	New York	Broome	52,501	35
New York	1400	New York	Broome	24,672	38.2
New York	1401	New York	Rockland	36,527	24.33
New York	1402	New York	Clinton	20,893	64
New York	1403	New York	Rockland	12,676	N/A
New York	1483	New York	Westchester	26,651	47.75
New York	1485	New York	Westchester	78,683	40.2
New York	1487	New York	Westchester	44,876	20.2
New York	1489	New York	Westchester	523,765	20.75
New York	1800	New York	Dutchess	13,856	new site
New York	1853	New York	Suffolk	7,499	new site
New York	1854	New York	Suffolk	5,789	new site
New York	1917	New York	Saint Lawrence	4,705	new site
New York	1936	New York	Clinton	5,532	new site
New York	1938	New York	Suffolk	6,280	new site
New York	1939	New York	Suffolk	28,183	new site
New York	2004	New York	Oswego	12,117	new site
New York	2006	New York	Ulster	3,793	new site
New York	426	New York	Orange	6,729	15
New York	430	New York	Jefferson	26,270	new site
New York	479	New York	Chenango	6,734	29
New York	512	New York	Cayuga	31,814	61.33
New York	516	New York	Madison	4,908	71
New York	517	New York	Livingston	4,730	68
New York	518	New York	Steuben	5,162	18.33
New York	521	New York	Onondaga	242,377	19
New York	528	New York	Otsego	19,383	10.67
New York	52	New York	Steuben	5,941	42.5
New York	530	New York	Madison	3,317	57
New York	567	New York	Fulton	23,379	62
New York	690	New York	Cortland	26,950	49.4

New York	691	New York	Herkimer	13,924	44.6
New York	692	New York	Saint Lawrence	10,794	30
New York	693	New York	Ulster	10,577	39.5
New York	717	New York	Montgomery	19,679	51.2
New York	719	New York	Nassau	24,041	31.6
New York	720	New York	Lewis	3,953	0
New York	738	New York	Putnam	4,480	47.33
New York	739	New York	Orange	42,921	32.33
New York	740	New York	Oneida	33,358	new site
New York	742	New York	Albany	80,922	52
New York	836	New York	Nassau	611,349	46.8
New York	837	New York	Rockland	53,437	63
New York	838	New York	Rockland	207,430	34
New York	974	New York	Yates	5,339	45.33
New York	999	New York	Chautauqua	12,616	97.67
Ohio	101	Ohio	Preble	8,400	86.33
Ohio	102	Ohio	Marion	36,000	72.25
Ohio	108	Ohio	Erie	55,000	51
Ohio	121	Ohio	Ashtabula	12,000	60.25
Ohio	124	Ohio	Coshocton	12,000	72.25
Ohio	129	Ohio	Defiance	23,027	52.5
Ohio	131	Ohio	Tuscarawas	13,572	93.5
Ohio	134	Ohio	Montgomery	78,509	56.75
Ohio	141	Ohio	Belmont	13,169	72.75
Ohio	147	Ohio	Hancock	42,000	77.5
Ohio	1608	Ohio	Hocking	8,500	41.6
Ohio	168	Ohio	Darke	13,000	55.5
Ohio	170	Ohio	Butler	65,000	78
Ohio	187	Ohio	Franklin	645,940	50.75
Ohio	204	Ohio	Portage	29,000	49.75
Ohio	219	Ohio	Allen	61,000	42.75
Ohio	221	Ohio	Hamilton	200,666	61
Ohio	222	Ohio	Medina	35,000	45.5
Ohio	225	Ohio	Lorain	72,000	32.67
Ohio	228	Ohio	Lucas	195,577	30

Ohio	241	Ohio	Union	24,677	55
Ohio	255	Ohio	Hamilton	566,136	71.25
Ohio	276	Ohio	Cuyahoga	313,158	40
Ohio	277	Ohio	Cuyahoga	524,154	34.5
Ohio	278	Ohio	Cuyahoga	103,379	39.5
Ohio	282	Ohio	Licking	45,000	61.75
Ohio	311	Ohio	Wood	21,000	63.25
Ohio	322	Ohio	Ottawa	7,000	52
Ohio	374	Ohio	Franklin	654,817	53.25
Ohio	382	Ohio	Clark	88,710	79
Ohio	388	Ohio	Jefferson	17,864	63.75
Ohio	398	Ohio	Lucas	372,208	23.75
Ohio	422	Ohio	Trumbull	68,874	25.25
Ohio	428	Ohio	Fayette	14,000	46.75
Ohio	43	Ohio	Fulton	6,000	85.75
Ohio	455	Ohio	Mahoning	65,469	32
Ohio	456	Ohio	Muskingum	47,500	88.25
Ohio	46	Ohio	Ashtabula	31,430	60.5
Ohio	48	Ohio	Athens	24,536	81
Ohio	67	Ohio	Wood	32,000	71.75
Ohio	73	Ohio	Williams	8,655	82.25
Ohio	74	Ohio	Crawford	12,362	60.67
Ohio	975	Ohio	Greene	4,100	72.25
Ohio	98	Ohio	Pickaway	13,965	58.75
Oregon	469	Oregon	Jackson	21,105	43.67
Oregon	929	Oregon	Linn	57,785	N/A
Oregon	930	Oregon	Clatsop	11,326	N/A
Oregon	931	Oregon	Baker	9,860	N/A
Oregon	932	Oregon	Deschutes	92,850	46.6
Oregon	933	Oregon	Clackamas	14,206	63
Oregon	937	Oregon	Lincoln	8,865	N/A
Oregon	938	Oregon	Yamhill	24,120	N/A
Oregon	939	Oregon	Lincoln	10,400	66.83
Oregon	941	Oregon	Marion	26,273	N/A

Oregon	944	Oregon	Washington	9,900	N/A
Oregon	950	Oregon	Josephine	37,725	58
Oregon	952	Oregon	Hood River	7,800	N/A
Oregon	956	Oregon	Jackson	133,708	N/A
Oregon	957	Oregon	Coos	9,975	N/A
Oregon	958	Oregon	Malheur	10,966	N/A
Oregon	966	Oregon	Columbia	13,739	N/A
Oregon	970	Oregon	Jefferson	3,200	25
Pennsylvania	1366	Pennsylvania	Dauphin	124,000	22.57
Pennsylvania	1375	Pennsylvania	York	85,000	N/A
Pennsylvania	1376	Pennsylvania	Westmoreland	4,600	54.57
Pennsylvania	1390	Pennsylvania	Monroe	25,000	97.5
Pennsylvania	1529	Pennsylvania	Indiana	28,809	52.86
Pennsylvania	1530	Pennsylvania	Centre	12,000	52.71
Pennsylvania	1777	Pennsylvania	Monroe	4,000	36.57
Pennsylvania	1787	Pennsylvania	Chester	10,500	18.86
South Carolina	906	South Carolina	Lexington	40,000	67
Texas	113	Houston	Harris	3,825	83
Texas	165	Houston	Harris, Fort Bend	28,742	78.5
Texas	176	Houston	Harris	9,375	60
Texas	1933	Texas	Denton	180,097	N/A
Texas	201	Houston	Harris	124,000	79.33
Texas	272	Houston	Harris	4,010	66.67
Texas	287	Houston	Harris	12,892	49.67
Texas	288	Houston	Harris	33,102	47.67
Texas	350	Houston	Harris	20,608	14.67
Texas	373	Houston	Harris	32,485	51.67
Texas	375	Houston	Harris	293,227	71.67
Texas	409	Houston	Harris	97,918	57
Texas	434	Houston	Harris, Fort Bend	20,920	57.33
Texas	443	Houston	Harris	3,623	70
Texas	446	Houston	Harris	20,758	69.33
Utah	1077	Utah	Wasatch	19,936	58.5
Utah	17	Utah	Utah	112,901	58
Utah	1	Utah	Washington	24,970	59.75

Utah	23	Utah	Summit	7,460	61
Utah	25	Utah	Davis	21,872	76.5
Utah	27	Utah	Washington	92,047	57.4
Utah	29	Utah	Utah	12,510	60.2
Utah	30	Utah	Salt Lake	254,971	62.6
Utah	31	Utah	Utah	35,840	64.8
Utah	32	Utah	Tooele	36,244	70.8
Utah	34	Utah	Box Elder	12,451	59.6
Utah	3	Utah	Box Elder	21,443	54.6
Utah	6	Utah	Davis	64,533	59.5
Utah	7	Utah	Salt Lake	515,494	76.2

Virginia	1237	Virginia	Tazewell	4,600	new site
Virginia	180	Virginia	Chesapeake City, Virginia Beach City, Norfolk City, Portsmouth City	192,347	61
Virginia	1827	Virginia	Prince William, Fairfax, Stafford	165,901	7.5
Virginia	1828	Virginia	Stafford	44,000	50
Virginia	1829	Virginia	Bedford, Campbell, Amherst	220,000	new site
Virginia	1830	Virginia	Albemarle	118,266	32.25
Virginia	1832	Virginia	Frederick	16,563	22.5
Virginia	1838	Virginia	Manassas City, Fairfax City, Fauquier, Fairfax, Prince William, Loudoun, Manassas Park City	350,000	9
Virginia	1859	Virginia	Henrico	330,000	30
Virginia	1859	Virginia	Henrico	330,000	new site
Virginia	342	Virginia	Goochland, Henrico, Richmond City	225,000	12.5
Virginia	42	Virginia	Prince William, Stafford	92,000	14
Virginia	42	Virginia	Prince William, Stafford	92,000	N/A
Virginia	454	Virginia	Washington	7,300	62
Washington	1398	Washington	Grant	8,475	N/A
Washington	1399	Washington	Jefferson	10,000	N/A
Washington	1512	Washington	Whitman	35,812	N/A
Washington	1757	Washington	Thurston	119,790	N/A
Washington	753	Washington	Franklin	73,000	N/A
Washington	759	Washington	Spokane	225,000	N/A
Wisconsin	115	Wisconsin	Waupaca	14,000	46.5
Wisconsin	136	Wisconsin	Chippewa, Eau Claire	73,000	66
Wisconsin	182	Wisconsin	Saint Croix	14,000	81.2
Wisconsin	231	Wisconsin	Dane	345,000	34.92
Wisconsin	232	Wisconsin	Manitowoc	34,500	56.67
Wisconsin	236	Wisconsin	Marinette	11,000	66.6

Wisconsin	239	Wisconsin	Marathon, Wood	19,300	63.8
Wisconsin	313	Wisconsin	Marinette	3,500	70.67
Wisconsin	318	Wisconsin	Grant	11,000	58.75
Wisconsin	331	Wisconsin	Racine	139,000	46.4
Wisconsin	344	Wisconsin	Saint Croix, Pierce	15,900	65.67
Wisconsin	364	Wisconsin	Sheboygan	75,000	77.6
Wisconsin	391	Wisconsin	Dane	33,000	N/A
Wisconsin	420	Wisconsin	Vernon	4,400	71.8
Wisconsin	44	Wisconsin	Ashland	8,200	30.33
Wisconsin	60	Wisconsin	Jackson	5,000	86.6
Wisconsin	696	Wisconsin	Jefferson, Dodge	23,660	66.8
West Virginia	1248	West Virginia	Randolph	13,156	69
West Virginia	1250	West Virginia	Boone	4,555	58.53
West Virginia	1439	West Virginia	Mason	5,515	N/A
West Virginia	1862	West Virginia	Putnam	28,759	72.8
West Virginia	1865	West Virginia	Cabell	11,250	N/A
West Virginia	387	West Virginia	Monongalia	48,328	52.46
West Virginia	459	West Virginia	Kanawha	50,000	N/A
West Virginia	460	West Virginia	Jefferson	17,000	67.71
West Virginia	463	West Virginia	Marshall	12,000	61.4
West Virginia	465	West Virginia	Wood	48,050	N/A
West Virginia	687	West Virginia	Harrison	26,498	77.1
West Virginia	735	West Virginia	Taylor	6,071	87.82
West Virginia	91	West Virginia	Kanawha	49,500	57.44
Alabama	1664	Alabama	Jefferson	95,000	60.57
Alabama	1688	Alabama	Jefferson	77,000	73.29
Alabama	1719	Alabama	Jefferson	200,000	43.71
California	1371	California	Merced	42,000	54.88
California	1665	California	San Mateo	40,000	69.57
California	1668	California	Contra Costa	484,800	69.83
California	1669	California	Marin	104,250	72
California	1670	California	Marin	25,000	62
California	1676	California	San Luis Obispo	31,037	60
California	1677	California	San Mateo	150,000	57.43
California	1678	California	Santa Cruz	160,000	55.14

California	1679	California	Santa Cruz	160,000	64.57
California	1685	California	Alameda	740,000	77.43
California	1687	California	Sonoma	65,000	60.43
California	1693	California	Los Angeles	3,500,000	67
California	1694	California	Los Angeles	200,000	40.14
California	1698	California	Santa Barbara	69,290	55.43
California	1709	California	San Bernardino	890,000	54.33
California	1711	California	Marin	18,000	61.14
California	1712	California	San Mateo	28,000	75
California	1713	California	Napa	83,300	69.43
California	1717	California	Solano	121,000	61.57
California	1720	California	Contra Costa	100,000	55.5
California	1733	California	Alameda	47,229	54.2
California	1734	California	Alameda	68,150	28.6
California	1764	California	Stanislaus	86,000	49.14
California	1785	California	San Diego	1,600,000	59.86
California	1789	California	Orange	48,000	44.86
California	1792	California	Orange	129,000	44.86
California	1946	California	Santa Clara	153,000	50
California	352	California	Santa Clara	110,338	50
California	353	California	Santa Clara	1,500,000	50
California	362	California	San Francisco, San Mateo	250,000	50
California	383	California	Sacramento	1,480,000	50
California	393	California	San Mateo	199,000	50
California	834	California	Riverside	91,765	46.86
Colorado	1704	Colorado	Douglas	35,000	24.71
Colorado	1705	Colorado	Douglas	25,000	49.86
Florida	1686	Florida	Orange	195,299	29.17
Florida	1702	Florida	Orange	66,690	21.83
Florida	1715	Florida	Orange	183,009	47.17
Florida	1840	Florida	Miami-Dade	776,150	26.14
Florida	1868	Florida	Miami-Dade	829,725	N/A
Georgia	1666	Georgia	Fulton	73,821	37
Georgia	1692	Georgia	Fulton	84,486	47.29

Georgia	1714	Georgia	Chattahoochee, Muscogee	278,000	58.43
Georgia	1740	Georgia	Fulton	94,000	41
Georgia	1741	Georgia	Fulton	94,000	28.86
Georgia	1742	Georgia	Fulton	94,000	31.71
Iowa	1839	Iowa	Clinton	29,300	61.43
Iowa	1866	Iowa	Marshall	27,400	63
Iowa	1867	Iowa	Johnson	23,000	43
Idaho	1672	Idaho	Kootenai	50,540	65.43
Illinois	1689	Illinois	Du Page	86,000	35.86
Indiana	1681	Indiana	St Joseph	130,000	55.14
Indiana	1739	Indiana	Clark	25,000	53
Indiana	772	Indiana	Monroe	56,090	51.57
Kansas	1710	Kansas	Saline	47,000	52
Kansas	1811	Kansas	Wyandotte	35,000	26.71
Kansas	1812	Kansas	Wyandotte	90,000	32.86
Kentucky	1701	Kentucky	Jefferson	423,913	77
Massachusetts	1780	Massachusetts	Worcester, Norfolk, Suffolk, Plymouth, Middlesex	2,400,000	15.57
Maryland	1808	Maryland	Saint Marys	55,000	33.75
Maine	1707	Maine	Cumberland	65,000	72.14
Maine	1754	Maine	Cumberland	10,000	63.86
Michigan	1671	Michigan	Washtenaw	125,000	24.29
Michigan	1870	Michigan	Grand Traverse	30,623	46.57
Minnesota	494	Minnesota	Olmsted	120,000	42.57
New Hampshire	1706	New Hampshire	Merrimack	4,000	22.71
New Hampshire	497	New Hampshire	Merrimack	45,000	41.14
New Jersey	1763	New Jersey	Monmouth	52,672	11.71
New Jersey	788	New Jersey	Essex, Bergen, Hudson, Union, Passaic	1,500,000	59.25
Ohio	1810	Ohio	Portage, Summit	365,000	55.67
Texas	1673	Texas	Dallas	200,000	72.71
Texas	1683	Texas	Dallas	186,000	79.57

Texas	1761	Texas	Potter, Randall	60,000	23
Texas	1762	Texas	Potter, Randall	140,000	22
Texas	1765	Texas	Wichita	90,000	17
Texas	1807	Texas	Cooke	17,300	40.86
Texas	1947	Texas	Montgomery	65,000	new site
Texas	1948	Texas	Montgomery	70,000	new site
Texas	865	Texas	Webb	120,000	20.67
Texas	867	Texas	Webb	140,000	35.33
Utah	1736	Utah	Salt Lake	600,000	72
Virginia	1786	Virginia	Carroll	3,000	13.86
Virginia	2008	Virginia	Stafford	100,000	new site
Virginia	220	Virginia	Stafford	50,000	new site
Alaska	1490	Alaska	Juneau	10,000	61
Alaska	1491	Alaska	Juneau	20,000	73
Alabama	1333	Alabama	Colbert	19,000	34.4
Arkansas	1442	Arkansas	Lonoke	27,000	49.2
Arkansas	1444	Arkansas	Pulaski	5,000	new site
Arkansas	1444	Arkansas	Pulaski	5,000	N/A
Arkansas	1462	Arkansas	Washington	93,949	32.6
Arkansas	1465	Arkansas	Washington	93,949	59.2
Arkansas	1472	Arkansas	Saint Francis	13,000	new site
Arkansas	1472	Arkansas	Saint Francis	13,000	N/A
Arkansas	1540	Arkansas	Boone	14,000	39
Arkansas	1542	Arkansas	Pulaski	30,377	28.4
Arkansas	1543	Arkansas	Pulaski	23,812	37.8
Arkansas	1545	Arkansas	Pulaski	28,500	41.25
Arkansas	1546	Arkansas	Pulaski	18,463	63
Arkansas	1548	Arkansas	Jefferson	42,323	52.6
Arkansas	1550	Arkansas	Pope	31,000	35.2
Arkansas	1558	Arkansas	Hempstead	10,500	N/A
Arizona	1334	Arizona	Maricopa	150,000	new site
Arizona	1334	Arizona	Maricopa	150,000	N/A
Arizona	1382	Arizona	Maricopa	50,000	40.4
Arizona	1383	Arizona	Maricopa	2,400,000	60.8
Arizona	590	Arizona	Pima	347,900	27.4

Arizona	715	Arizona	Pima	397,407	25.6
California	1173	California	Contra Costa	494,300	48.5
California	1199	California	Kings	59,000	21.2
California	1230	California	San Luis Obispo	47,400	new site
California	1230	California	San Luis Obispo	47,400	41.25
California	1409	California	San Bernardino	78,000	N/A
California	1443	California	Imperial	50,000	new site
California	1560	California	San Luis Obispo	14,276	41.67
California	1593	California	San Luis Obispo	6,500	46.8
California	1759	California	San Luis Obispo	15,200	36.4
California	1822	California	Marin	13,000	67
California	461	California	Humboldt	43,173	N/A
California	570	California	Sonoma	220,000	new site
California	763	California	Santa Cruz	160,000	55.6
California	779	California	Los Angeles	200,000	38
California	834	California	Riverside	91,765	27.8
Connecticut	1163	Connecticut	New London	22,000	36.2
Connecticut	534	Connecticut	Fairfield	100,000	17.4
Connecticut	686	Connecticut	New Haven	112,000	21.8
Connecticut	795	Connecticut	Windham	10,000	new site
Connecticut	806	Connecticut	Fairfield	65,000	new site
Connecticut	832	Connecticut	New London	40,000	23
District of Columbia	486	District of Columbia	District Of Columbia	1,600,000	new site
District of Columbia	486	District of Columbia	District Of Columbia	1,600,000	4
Florida	1408	Florida	Orange, Seminole	85,700	new site
Florida	1410	Florida	Palm Beach, Martin	96,136	48.2
Florida	1606	Florida	Lee	76,800	27.8
Florida	1613	Florida	Sarasota	100,000	37.2
Florida	668	Florida	Miami-Dade	920,528	23.4
Florida	669	Florida	Orange	277,823	19.2
Florida	670	Florida	Orange	59,587	19.2
Florida	671	Florida	Orange	463,672	13.6
Florida	711	Florida	Miami-Dade	829,725	4.4

Florida	781	Florida	Miami-Dade	776,150	27.4
Georgia	476	Georgia	Richmond	197,191	N/A
Guam	1441	Guam	Guam	9,000	40
Guam	1450	Guam	Guam	7,000	25.4
Hawaii	1181	Hawaii	Maui	59,000	10
Hawaii	1203	Hawaii	Honolulu	300,000	20.4
Hawaii	1204	Hawaii	Honolulu	109,236	25.4
Hawaii	1205	Hawaii	Maui	49,000	6.25
Hawaii	1208	Hawaii	Honolulu	20,800	12.4
Hawaii	1221	Hawaii	Hawaii	32,600	29.2
Hawaii	1337	Hawaii	Hawaii	5,000	33.5
Iowa	105	Iowa	Johnson	21,000	55.8
Iowa	1496	Iowa	Winneshiek	8,500	N/A
Illinois	462	Illinois	Winnebago	240,000	14.25
Illinois	546	Illinois	Kankakee	65,000	33
Indiana	1162	Indiana	Hamilton	98,000	new site
Indiana	1162	Indiana	Hamilton	98,000	51.8
Indiana	1269	Indiana	Lake	28,000	54.6
Indiana	1273	Indiana	Dubois	16,000	new site
Indiana	1281	Indiana	Delaware	67,000	30.4
Indiana	1314	Indiana	Wayne	36,000	33.8
Indiana	1318	Indiana	Huntington	17,612	59.2
Indiana	1319	Indiana	Howard	45,000	45.4
Indiana	678	Indiana	Bartholomew	49,000	N/A
Indiana	765	Indiana	Monroe	28,350	59.2
Indiana	772	Indiana	Monroe	67,500	44.8
Kansas	1292	Kansas	Johnson	66,377	43.2
Kansas	1305	Kansas	Johnson	54,985	46
Kansas	472	Kansas	Reno	40,000	19.2
Kansas	787	Kansas	Shawnee	90,000	31.2
Kentucky	810	Kentucky	Estill	5,000	75.5
Louisiana	1229	Louisiana	Rapides	60,000	50.6
Louisiana	1497	Louisiana	Jefferson	300,000	N/A
Louisiana	1614	Louisiana	Jefferson	65,364	46.6
Louisiana	1615	Louisiana	Saint Tammany	15,000	new site

Louisiana	1626	Louisiana	Jefferson	100,000	new site
Louisiana	1632	Louisiana	Iberia	20,000	44.2
Louisiana	1651	Louisiana	Lafayette	10,000	8
Louisiana	1656	Louisiana	Jefferson	100,000	18.6
Louisiana	727	Louisiana	Orleans	998,000	new site
Louisiana	792	Louisiana	Orleans	389,000	new site
Louisiana	792	Louisiana	Orleans	389,000	96
Massachusetts	1180	Massachusetts	Worcester	12,000	19
Massachusetts	1311	Massachusetts	Bristol	100,000	30.2
Massachusetts	1384	Massachusetts	Middlesex	180,000	14.6
Massachusetts	1495	Massachusetts	Worcester	42,000	new site
Maryland	1260	Maryland	Anne Arundel	89,000	46.2
Maryland	1268	Maryland	Anne Arundel	150,000	35.4
Maryland	1278	Maryland	Anne Arundel	22,000	11
Maryland	1285	Maryland	Anne Arundel	13,000	22.4
Maryland	561	Maryland	Washington	90,000	14.6
Maine	347	Maine	Knox	7,000	10.2
Maine	475	Maine	Piscataquis	900	68.4
Maine	484	Maine	Franklin	2,750	56.33
Maine	507	Maine	Oxford	1,000	53.6
Maine	65	Maine	Lincoln	1,759	59.8
Minnesota	1108	Minnesota	Dakota, Scott	250,000	33.4
Minnesota	993	Minnesota	Scott, Dakota	150,000	51.2
Missouri	1559	Missouri	Jefferson	12,500	N/A
Mississippi	1393	Mississippi	Lafayette	27,662	30
Montana	562	Montana	Missoula	68,015	60
North Carolina	1179	North Carolina	Watauga	26,000	17.8
North Carolina	421	North Carolina	Duplin, Pender	10,000	64.8
North Carolina	492	North Carolina	Henderson	16,000	40.6
North Carolina	536	North Carolina	Swain, Jackson	12,000	50
North Carolina	539	North Carolina	Vance	15,000	54
North Carolina	575	North Carolina	Mitchell	3,500	36.75
Nebraska	1312	Nebraska	Keith	4,793	N/A
Nebraska	1411	Nebraska	Saunders	4,800	61

New Hampshire	402	New Hampshire	Sullivan	6,500	33.25
New Jersey	1322	New Jersey	Essex, Union	1,300,000	7
New Jersey	1385	New Jersey	Hudson	145,000	15
New Jersey	1605	New Jersey	Bergen	564,563	5.4
New Jersey	784	New Jersey	Somerset, Union, Middlesex	880,000	7.4
New Jersey	788	New Jersey	Passaic, Essex, Hudson, Bergen	1,500,000	4.75
New Mexico	1177	New Mexico	Santa Fe	87,505	new site
New Mexico	1177	New Mexico	Santa Fe	87,505	33.67
New Mexico	853	New Mexico	Los Alamos	13,179	24.2
New Mexico	854	New Mexico	Los Alamos	5,852	new site
Nevada	663	Nevada	Clark	265,000	24.4
New York City	485	New York City	Kings	283,428	3.33
New York City	487	New York City	Queens	848,328	4.33
New York City	503	New York City	Queens	90,474	11.67
New York City	545	New York City	Queens	728,123	20.75
New York City	550	New York City	Richmond	244,918	6.5
New York City	553	New York City	Kings	192,050	26.75
Oklahoma	767	Oklahoma	Garfield	51,000	new site
Oklahoma	769	Oklahoma	Comanche	93,000	24.33
Oklahoma	831	Oklahoma	Beckham	11,500	new site
Oregon	1164	Oregon	Clackamas, Washington	25,780	new site
Oregon	1164	Oregon	Clackamas, Washington	25,780	46.75
Oregon	1200	Oregon	Multnomah, Washington	654,741	62.8
Oregon	1201	Oregon	Washington, Multnomah, Clackamas	45,600	74.4
Pennsylvania	1161	Pennsylvania	Lehigh	6,598	37.8
Pennsylvania	1388	Pennsylvania	Allegheny	22,000	31.6
Pennsylvania	1454	Pennsylvania	Bucks	55,000	17.2
Rhode Island	464	Rhode Island	Providence	240,000	7.4
Rhode Island	76	Rhode Island	Providence	10,000	14.4

Rhode Island	835	Rhode Island	Bristol	11,000	22.6
South Carolina	1159	South Carolina	Florence, Darlington	45,000	25.8
South Carolina	1549	South Carolina	Greenville	140,280	43
South Carolina	600	South Carolina	Greenwood	48,000	41.8
South Dakota	1165	South Dakota	Yankton	15,500	N/A
South Dakota	493	South Dakota	Beadle	13,289	23
Tennessee	1283	Tennessee	Davidson	600,000	20.8
Tennessee	1329	Tennessee	Shelby	300,000	29.2
Tennessee	1508	Tennessee	Hawkins, Sullivan	60,500	57.8
Tennessee	1539	Tennessee	Sullivan	50,000	34.4
Tennessee	496	Tennessee	Bradley	52,000	54.8
Texas	1131	Texas	Kaufman	138,700	new site
Texas	1140	Texas	Travis	500,000	35.6
Texas	1210	Texas	Dallas	900,000	40.5
Texas	1494	Texas	Galveston	20,000	50.33
Texas	593	Texas	Galveston	89,600	57.8
Texas	681	Texas	El Paso	142,000	new site
Texas	805	Texas	Dallas	900,000	N/A
Texas	811	Texas	Bexar	415,000	42.8
Texas	847	Texas	Bexar	230,000	26.2
Texas	848	Texas	Bexar	630,000	38.8
Texas	863	Texas	Webb	30,000	13.75
Utah	1270	Utah	Tooele	13,000	N/A
Virginia	1113	Virginia	Arlington	207,627	4.33
Virginia	1202	Virginia	Frederick	51,470	7.4
Virginia	1259	Virginia	Clifton Forge City	5,000	29.25
Virginia	1275	Virginia	Hampton City, Newport News City	141,543	15.5
Virginia	1338	Virginia	Mecklenburg	5,300	13.6
Virginia	540	Virginia	Henry	16,000	16.6
Vermont	1080	Vermont	Chittenden	31,000	25.5
Vermont	1452	Vermont	Caledonia	3,500	44
Vermont	1520	Vermont	Washington	15,000	new site
Vermont	1751	Vermont	Chittenden	22,000	new site
Vermont	701	Vermont	Chittenden	8,500	38.67

Vermont	770	Vermont	Franklin	7,500	63.2
Washington	1084	Washington	Clark	120,000	32.6
Washington	510	Washington	Clark	81,140	N/A
Wyoming	1317	Wyoming	Sweetwater	12,000	17.8
Wyoming	1353	Wyoming	Sheridan	20,000	new site
Arizona	1053	Arizona	Yuma	8,271	N/A
Arizona	1059	Arizona	Yuma	18,039	87.5
Arizona	1061	Arizona	Yuma	25,369	73.2
Arizona	1212	Arizona	Maricopa	53,578	N/A
Arizona	1212	Arizona	Maricopa	17,280	N/A
Arizona	1212	Arizona	Maricopa	9,430	N/A
Arizona	1212	Arizona	Maricopa	9,848	N/A
Arizona	1212	Arizona	Maricopa	12,542	N/A
California	1019	California	Lake	13,200	50.86
California	126	California	Yolo	70,717	N/A
California	1373	California	Stanislaus	230,000	N/A
California	1377	California	Yolo	7,285	N/A
California	1378	California	Yolo	59,000	N/A
California	137	California	Alameda, Contra Costa	740,000	71.14
California	1524	California	Plumas	4,217	26
California	158	California	Fresno	650,000	N/A
California	211	California	Los Angeles	3,500,000	71.86
California	305	California	Santa Clara	236,000	56.8
California	353	California	Santa Clara	1,500,000	61.4
California	354	California	Santa Clara	153,000	82.07
California	362	California	San Francisco, San Mateo	250,000	62.57
California	362	California	San Mateo, San Francisco	250,000	61.57
California	59	California	Kern	168,750	N/A
Colorado	1024	Colorado	Archuleta	27,857	25.25
Colorado	1111	Colorado	Teller	7,143	17.2
Colorado	1154	Colorado	Pitkin	17,571	75.8
Colorado	116	Colorado	El Paso	102,203	30.2
Colorado	117	Colorado	El Paso	303,855	36.6

Colorado	122	Colorado	Summit	7,857	57
Colorado	1514	Colorado	El Paso	5,936	60
Colorado	1517	Colorado	El Paso	10,000	24.25
Colorado	1518	Colorado	El Paso	9,286	52.75
Colorado	151	Colorado	Larimer	92,126	25.2
Colorado	152	Colorado	Larimer	26,621	15.25
Colorado	1563	Colorado	Elbert	3,571	47.8
Colorado	1591	Colorado	Otero	29,643	27.75
Colorado	163	Colorado	Weld	83,319	49.83
Colorado	224	Colorado	Boulder, Weld	75,543	44.2
Colorado	251	Colorado	Denver	345,453	59
Colorado	368	Colorado	Adams	54,560	50
Colorado	370	Colorado	Larimer	23,193	21
Colorado	372	Colorado	Arapahoe, Denver	247,443	39.2
Colorado	408	Colorado	Summit	35,643	41.5
Colorado	49	Colorado	Arapahoe, Adams	268,003	30.75
Colorado	578	Colorado	Las Animas	14,286	44.75
Colorado	58	Colorado	Weld, Larimer	7,946	66.75
Colorado	656	Colorado	La Plata	23,429	48
Colorado	66	Colorado	Boulder	89,383	44.8
Colorado	72	Colorado	Broomfield	53,355	43.6
Colorado	747	Colorado	Arapahoe	25,714	42
Colorado	748	Colorado	El Paso	34,286	50.4
Colorado	841	Colorado	Adams	21,429	82
Colorado	843	Colorado	Eagle	30,714	75.75
Colorado	844	Colorado	Eagle	19,286	79
Colorado	845	Colorado	Summit	14,286	72
Colorado	887	Colorado	Summit	18,571	68.4
Delaware	1183	Delaware	Sussex	7,000	37.4
Delaware	1185	Delaware	Sussex	4,392	48
Delaware	1187	Delaware	New Castle	17,145	22
Delaware	1192	Delaware	Sussex	7,000	46.8
Delaware	1194	Delaware	New Castle	539,000	51.8
Georgia	1071	Georgia	Paulding	10,000	40

Georgia	1073	Georgia	Cobb	190,000	30.8
Georgia	1309	Georgia	Newton	32,000	34.6
Georgia	1723	Georgia	Laurens	17,000	28.8
Georgia	1728	Georgia	Cobb	190,000	49
Georgia	1747	Georgia	Lowndes	19,400	new site
Georgia	1819	Georgia	Clarke	60,000	new site
Georgia	1820	Georgia	Floyd	75,000	45.2
Idaho	1225	Idaho	Bingham	14,045	44.57
Idaho	1228	Idaho	Caribou	3,200	54.6
Idaho	1249	Idaho	Blaine	5,338	58.5

Idaho	1406	Idaho	Elmore	5,500	39.17
Idaho	1801	Idaho	Payette	6,350	59.67
Idaho	1802	Idaho	Elmore	16,000	90.4
Idaho	1914	Idaho	Kootenai	24,000	N/A
Idaho	818	Idaho	Ada	120,344	57.71
Illinois	1243	Illinois	Du Page	76,324	65.25
Illinois	1527	Illinois	Kendall	13,477	29.4
Illinois	1610	Illinois	Washington	3,425	66.67
Illinois	1816	Illinois	Madison	26,000	22
Illinois	1847	Illinois	Du Page	65,000	44
Illinois	1943	Illinois	Sangamon	100,000	new site
Illinois	603	Illinois	Kane	11,290	35.33
Illinois	605	Illinois	Saint Clair	26,150	53.25
Illinois	606	Illinois	Saint Clair	26,150	46.5
Illinois	607	Illinois	Boone	25,134	44.2
Illinois	611	Illinois	Fulton	13,506	28.25
Illinois	612	Illinois	Greene	3,064	40.4
Illinois	619	Illinois	Vermilion	30,479	64.4
Illinois	620	Illinois	Macon	88,500	48.6
Illinois	621	Illinois	Perry	6,448	77
Illinois	625	Illinois	Jo Daviess	3,460	65.2
Illinois	631	Illinois	Mcdonough	22,004	69.2
Illinois	632	Illinois	Cook	270,647	28.43
Illinois	633	Illinois	Warren	10,836	42.5
Illinois	634	Illinois	Jefferson	21,169	N/A
Illinois	635	Chicago	Cook	3,816	66.8
Illinois	638	Illinois	Cook	1,127,737	43
Illinois	642	Illinois	Du Page	128,358	46
Illinois	647	Illinois	Peoria	157,379	61
Illinois	655	Illinois	Champaign	91,041	73.25
Illinois	675	Chicago	Cook	29,370	50.4
Illinois	675	Chicago	Cook	83,455	58.4
Illinois	675	Chicago	Cook	24,099	64
Illinois	697	Illinois	Rock Island	25,202	50.2
Illinois	698	Illinois	Rock Island	43,768	70

Illinois	699	Illinois	Tazewell	30,997	65.8
Illinois	871	Illinois	La Salle	18,307	65.5
Illinois	894	Illinois	Lee	15,115	35.33
Illinois	972	Illinois	Saint Clair	32,289	85.6
Illinois	978	Illinois	Mclean	42,000	33.4
Illinois	979	Illinois	Mclean	44,238	43.6
Illinois	980	Illinois	Mclean	44,237	22
Illinois	981	Illinois	De Kalb	43,862	68.25
Illinois	982	Illinois	Cook	1,263,110	31.71
Indiana	1458	Indiana	Noble	10,000	41
Indiana	1480	Indiana	Rush	6,208	new site
Indiana	1480	Indiana	Rush	6,208	42.33
Indiana	1482	Indiana	Porter	36,000	59.4
Kentucky	1254	Kentucky	Rowan	15,212	63.33
Kentucky	1255	Kentucky	Johnson	5,258	59.5
Kentucky	1582	Kentucky	Caldwell	6,108	N/A
Kentucky	1583	Kentucky	Allen	4,557	N/A
Kentucky	1767	Kentucky	Lee	3,138	N/A
Kentucky	1770	Kentucky	Christian	33,426	N/A
Maine	1987	Maine	Waldo	4,000	new site
Maine	1987	Maine	Waldo	4,000	68.75
Maine	1990	Maine	Penobscot	57,000	72.75
Maine	1992	Maine	Cumberland	65,000	73
Maine	1992	Maine	Cumberland	65,000	60
Maine	1996	Maine	Aroostook	5,000	38.6
Maine	1997	Maine	Androscoggin	60,000	67
Maine	2000	Maine	Aroostook	9,000	51.6
Maine	2001	Maine	Cumberland	24,000	N/A
Michigan	1018	Michigan	Bay	20,000	47.33
Michigan	1020	Michigan	Dickinson	3,200	79.67
Michigan	1039	Michigan	Saint Joseph	7,623	N/A
Michigan	1040	Michigan	Ottawa	11,200	28.2
Michigan	1048	Michigan	Calhoun	6,964	16.8
Michigan	1086	Michigan	Ottawa	20,000	70.6
Michigan	1087	Michigan	Genesee	72,240	28

Michigan	1088	Michigan	Ottawa	25,000	33.4
Michigan	1091	Michigan	Schoolcraft	3,412	37.67
Michigan	1092	Michigan	Chippewa	15,000	70.33
Michigan	1096	Michigan	Muskegon	125,000	N/A
Michigan	1102	Michigan	Dickinson	13,500	35.33
Michigan	1121	Michigan	Saginaw	6,300	72.33
Michigan	1122	Michigan	Otsego	3,670	31.8
Michigan	1125	Michigan	Marquette	3,500	new site
Michigan	1125	Michigan	Marquette	4,500	new site
Michigan	1125	Michigan	Marquette	4,500	new site
Michigan	1136	Michigan	Clare	3,042	N/A
Michigan	1138	Michigan	Isabella	25,629	57
Michigan	1155	Michigan	Tuscola	3,000	35
Michigan	1167	Michigan	Kent	15,000	44.4
Michigan	1168	Michigan	Kent	68,000	54.8
Michigan	1315	Michigan	Macomb	135,000	N/A
Michigan	1598	Michigan	Wexford	10,450	35.5
Michigan	1599	Michigan	Eaton	9,074	55.25
Michigan	1600	Michigan	Mason	8,100	11.5
Michigan	1729	Michigan	Wayne	5,190	N/A
Michigan	1729	Michigan	Oakland	3,080	N/A
Michigan	1729	Michigan	Oakland	5,800	N/A
Michigan	1729	Michigan	Macomb	19,662	N/A
Michigan	1729	Michigan	Macomb	29,555	N/A
Michigan	1729	Michigan	Macomb	9,083	N/A
Michigan	1729	Michigan	Macomb	4,934	N/A
Michigan	1815	Michigan	Arenac	5,500	58.5
Michigan	1941	Michigan	Macomb	16,300	N/A
Michigan	756	Michigan	Kent	265,000	43
Michigan	757	Michigan	Jackson	90,000	45.75
Michigan	800	Michigan	Genesee	95,000	46.36
Michigan	801	Michigan	Grand Traverse	45,000	39.2
Michigan	823	Michigan	Houghton	14,000	85.67
Michigan	860	Michigan	Gratiot	8,976	64
Michigan	874	Michigan	Emmet	7,900	40.25

Michigan	889	Michigan	Ottawa	6,657	23
Michigan	889	Michigan	Ottawa	6,524	38.4
Michigan	889	Michigan	Ottawa	45,608	33.6
Michigan	890	Michigan	Ottawa	36,912	27.4
Michigan	891	Michigan	Kalamazoo	12,366	57.6
Michigan	891	Michigan	Kalamazoo	14,378	N/A
Michigan	891	Michigan	Kalamazoo	39,068	55.6
Michigan	896	Michigan	Wayne, Macomb	492,000	N/A
Michigan	898	Michigan	Oakland, Wayne	840,600	N/A
Missouri	139	Missouri	Miller	4,895	48.33
Missouri	143	Missouri	Saint Francois	10,114	79.67
Missouri	159	Missouri	Callaway	12,790	N/A
Missouri	171	Missouri	Marion, Ralls	16,000	32.33
Missouri	190	Missouri	Cole, Callaway	41,153	66
Missouri	192	Missouri	Jasper	34,403	65.67
Missouri	194	Missouri	Clay, Platte	76,759	66
Missouri	195	Missouri	Cass, Jackson, Johnson	490,000	44.33
Missouri	196	Missouri	Jackson	25,000	43
Missouri	198	Missouri	Clay	12,000	58.33
Missouri	200	Missouri	Johnson, Jackson, Wyandotte	61,250	64.33
Missouri	202	Missouri	Dunklin	11,300	70.5
Missouri	218	Missouri	Clay	35,300	64.67
Missouri	265	Missouri	Saint Louis	149,112	51
Missouri	266	Missouri	Jefferson, Saint Louis	24,174	67
Missouri	280	Missouri	Vernon	8,082	51
Missouri	284	Missouri	Christian	20,000	39.33
Missouri	312	Missouri	Perry	9,000	26.33
Missouri	317	Missouri	Platte	8,000	65
Missouri	321	Missouri	Butler	17,000	N/A
Missouri	359	Missouri	Pettis	8,250	44
Missouri	365	Missouri	New Madrid, Scott	17,000	50.67
Missouri	380	Missouri	Greene	22,818	45.67
Missouri	404	Missouri	Lincoln	12,019	46.5

Missouri	407	Missouri	Franklin	7,936	38.33
Missouri	424	Missouri	Johnson	14,477	27
Missouri	438	Missouri	Saint Charles	44,852	45.33
Missouri	441	Missouri	Howell	12,000	35.5
Missouri	63	Missouri	Polk	10,500	N/A
Missouri	68	Missouri	Taney	10,559	52
Missouri	827	Missouri	Dent	4,512	77.67
Missouri	858	Missouri	Jackson, Cass	367,300	57.5
North Carolina	144	North Carolina	Cumberland	151,589	39.2
North Carolina	1611	North Carolina	Davidson, Guilford	116,390	46.8
North Carolina	166	North Carolina	Guilford	135,821	59
North Carolina	216	North Carolina	Scotland	15,527	35.2
North Carolina	271	North Carolina	Buncombe, Henderson	173,000	46
North Carolina	303	North Carolina	Orange, Durham	78,141	66.6
North Carolina	334	North Carolina	Wake	30,655	24.6
North Carolina	345	North Carolina	Northampton, Halifax	14,320	57.2
North Carolina	369	North Carolina	Orange, Durham	108,105	40.4
North Carolina	405	North Carolina	Jackson	13,296	52.4
North Carolina	450	North Carolina	New Hanover	58,361	27.2
North Carolina	452	North Carolina	Forsyth	178,000	24.2
North Carolina	53	North Carolina	Carteret	3,500	69
North Carolina	84	North Carolina	Wake	84,189	34.2
North Carolina	85	North Carolina	Wake	74,331	37
North Carolina	92	North Carolina	Mecklenburg	68,685	30.2
North Carolina	93	North Carolina	Mecklenburg	182,501	47
North Carolina	94	North Carolina	Mecklenburg	120,000	24
Nebraska	1331	Nebraska	York	8,000	55.5
Nebraska	1799	Nebraska	Nemaha	3,800	84.6
Nebraska	915	Nebraska	Dawes	5,561	79.8
Nebraska	918	Nebraska	Hall	52,000	84.6
Nebraska	920	Nebraska	Buffalo	33,790	85.4
Nebraska	922	Nebraska	Lancaster	100,000	65
Nebraska	925	Nebraska	Lancaster	200,000	82
Nebraska	926	Nebraska	Wayne	5,560	89.2

New Mexico	1340	New Mexico	Dona Ana	8,127	52.67
New Mexico	1362	New Mexico	Luna	14,000	N/A
New Mexico	1374	New Mexico	Grant	9,000	N/A
New Mexico	1418	New Mexico	San Juan	45,000	N/A
New Mexico	1475	New Mexico	Otero	36,000	68.8
New York	1009	New York	Niagara	48,196	85.33
New York	1013	New York	Erie	71,131	84
New York	1013	New York	Erie	14,742	90.33
New York	1022	New York	Schenectady	78,444	42.2
New York	1042	New York	Columbia	6,374	58.67
New York	1044	New York	Suffolk	24,147	16.4
New York	1045	New York	Essex	6,264	58.2
New York	1068	New York	Tompkins	56,967	new site
New York	1099	New York	Wyoming	3,448	N/A
New York	1112	New York	Albany	109,426	30.67
New York	1150	New York	Suffolk	7,741	16.8
New York	1171	New York	Schoharie	5,326	36.5
New York	123	New York	Steuben	10,605	N/A
New York	1325	New York	Franklin	4,918	48.8
New York	1335	New York	Chemung	38,037	55.67
New York	1404	New York	Rockland	10,890	16.67
New York	1405	New York	Rockland	4,115	29
New York	1460	New York	Orange	28,914	29
New York	1484	New York	Westchester	94,095	34
New York	1486	New York	Westchester	40,301	33.5
New York	1488	New York	Westchester	31,046	26.33
New York	1504	New York	Sullivan	6,639	29
New York	1538	New York	Sullivan	4,548	54
New York	1557	New York	Orange	6,563	43.67
New York	1797	New York	Dutchess	21,516	new site
New York	1821	New York	Dutchess	14,525	new site
New York	1844	New York	Saint Lawrence	22,552	47.6
New York	1852	New York	Saint Lawrence	14,475	45.4
New York	1855	New York	Albany	31,023	54.6
New York	1931	New York	Albany	21,281	new site

New York	1937	New York	Livingston	5,361	new site
New York	2007	New York	Wayne	5,145	new site
New York	477	New York	Essex	3,076	68
New York	483	New York	Delaware	3,581	63.33
New York	515	New York	Madison	4,843	61.33
New York	519	New York	Orange	6,369	15.67
New York	522	New York	Orange	27,434	34.4
New York	524	New York	Orange	36,227	28.25
New York	529	New York	Orange	8,568	6
New York	531	New York	Jefferson	4,077	34
New York	580	New York	Monroe	43,074	32.2
New York	689	New York	Tompkins	9,770	56.33
New York	694	New York	Franklin	7,175	71.67
New York	695	New York	Oswego	14,199	45.25
New York	721	New York	Rensselaer	79,699	31.67
New York	722	New York	Saratoga	152,482	33.33
New York	723	New York	Seneca	6,961	22
New York	776	New York	Ulster	26,599	40.4
New York	869	New York	Warren	23,462	43.5
New York	986	New York	Washington	12,260	76.33
New York	998	New York	Erie	431,141	87.33
Ohio	112	Ohio	Wayne	27,000	82.75
Ohio	127	Ohio	Montgomery	226,729	78.25
Ohio	140	Ohio	Lorain	54,500	72.25
Ohio	157	Ohio	Sandusky	25,000	73.75
Ohio	1805	Ohio	Huron	3,276	27
Ohio	186	Ohio	Lawrence	10,445	72.33
Ohio	1957	Ohio	Lake	20,000	new site
Ohio	205	Ohio	Hardin	8,500	49.67
Ohio	214	Ohio	Fairfield	24,303	76.25
Ohio	233	Ohio	Richland	52,000	16.75
Ohio	235	Ohio	Washington	15,284	50.25
Ohio	263	Ohio	Knox	18,000	N/A
Ohio	273	Ohio	Hamilton	125,247	43.25
Ohio	274	Ohio	Henry	12,246	68.75

Ohio	291	Ohio	Huron	17,000	63.25
Ohio	301	Ohio	Lucas	44,680	30.75
Ohio	304	Ohio	Butler	22,000	62.75
Ohio	309	Ohio	Licking	3,300	75.25
Ohio	315	Ohio	Miami	20,581	N/A
Ohio	326	Ohio	Scioto	20,366	54.75
Ohio	36	Ohio	Summit	377,378	51.5
Ohio	395	Ohio	Hamilton	83,058	67
Ohio	403	Ohio	Montgomery	65,000	68.75
Ohio	411	Ohio	Wyandot	6,700	57.5
Ohio	442	Ohio	Montgomery	113,629	62.25
Ohio	54	Ohio	Greene	46,160	36.25
Ohio	79	Ohio	Stark	85,000	75.25
Ohio	859	Ohio	Mercer	4,800	71.25
Oregon	934	Oregon	Benton	58,856	53.5
Oregon	935	Oregon	Polk	16,555	N/A
Oregon	936	Oregon	Lane	8,925	37.8
Oregon	940	Oregon	Deschutes	32,255	N/A
Oregon	942	Oregon	Washington	220,000	N/A
Oregon	943	Oregon	Washington	40,000	N/A
Oregon	945	Oregon	Multnomah	662,235	N/A
Oregon	947	Oregon	Lane	10,200	N/A
Oregon	949	Oregon	Washington	40,000	N/A
Oregon	951	Oregon	Umatilla	18,775	N/A
Oregon	953	Oregon	Klamath	20,840	36
Oregon	955	Oregon	Yamhill	34,615	46.75
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	53.2
Pennsylvania	1357	Pennsylvania	Montgomery	30,000	33
Pennsylvania	1358	Pennsylvania	Cumberland	25,000	6.57

Pennsylvania	1359	Pennsylvania	Erie	200,000	67.29
Pennsylvania	1367	Pennsylvania	Franklin	67,000	37.43
Pennsylvania	1369	Pennsylvania	Westmoreland	25,000	51.29
Pennsylvania	1370	Pennsylvania	Lehigh	200,000	21.57
Pennsylvania	1375	Pennsylvania	York	85,000	23.14
Pennsylvania	1455	Pennsylvania	Delaware	6,800	36.43
Pennsylvania	1533	Pennsylvania	Centre	90,000	N/A
Pennsylvania	1553	Pennsylvania	Mckean	14,194	41.29
Pennsylvania	1554	Pennsylvania	Mercer	16,000	55.43
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700	new site
Pennsylvania	1775	Pennsylvania	Lackawanna	15,700	32.86
Pennsylvania	1776	Pennsylvania	Mercer	19,000	38.29
Pennsylvania	1809	Pennsylvania	Chester	13,500	41.29
South Carolina	1871	South Carolina	Beaufort	20,000	new site
South Carolina	877	South Carolina	Kershaw	8,825	68.75
South Carolina	878	South Carolina	Charleston	64,170	50
South Carolina	883	South Carolina	York	88,000	61.5
South Carolina	884	South Carolina	Greenville	400,000	65.5
South Carolina	885	South Carolina	Georgetown	30,000	59.33
South Carolina	908	South Carolina	Richland	60,000	58.67
South Carolina	909	South Carolina	Horry	195,000	61
Texas	135	Houston	Harris	16,030	48
Texas	149	Houston	Harris	4,170	49.67
Texas	160	Houston	Harris	40,689	77.67
Texas	183	Houston	Harris	16,804	56.67
Texas	1934	Texas	Mclennan	193,820	N/A
Texas	207	Houston	Harris, Montgomery	52,055	46.67
Texas	250	Houston	Harris	20,161	51
Texas	289	Houston	Harris	19,867	62.67
Texas	290	Houston	Harris	95,600	66.33
Texas	307	Houston	Harris	5,497	49.33
Texas	35	Houston	Harris	551,150	58.67
Texas	366	Houston	Harris	109,414	58
Texas	367	Houston	Harris	109,414	79
Texas	406	Houston	Harris	59,188	46.67

Texas	40	Houston	Harris	117,968	82.67
Texas	435	Houston	Harris	33,645	29.67
Texas	439	Houston	Harris	85,129	54.33
Texas	449	Houston	Harris	8,610	70.33
Texas	56	Houston	Harris	70,900	58.67
Texas	97	Houston	Harris	37,359	59
Utah	10	Utah	Cache	9,095	51
Utah	11	Utah	Salt Lake	89,507	65.6
Utah	11	Utah	Salt Lake, Utah	94,484	62.6
Utah	12	Utah	Cache	94,005	76
Utah	15	Utah	Grand, San Juan	9,896	38.2
Utah	16	Utah	Weber, Davis	228,700	67
Utah	18	Utah	Utah	102,624	64.6
Utah	19	Utah	Carbon	17,312	56
Utah	20	Utah	Utah	21,231	64
Utah	21	Utah	Duchesne	6,790	69.4
Utah	22	Utah	Summit	24,374	66
Utah	24	Utah	Davis	84,981	79.6
Utah	26	Utah	Utah	53,313	68.33
Utah	28	Utah	Salt Lake	209,645	67.2
Utah	2	Utah	Uintah	29,513	52
Utah	33	Utah	Utah	253,112	64
Utah	5	Utah	Iron	32,451	54
Utah	9	Utah	Davis, Weber	208,850	63
Virginia	1237	Virginia	Tazewell	4,600	68.5
Virginia	1576	Virginia	Loudoun	300,000	9
Virginia	1576	Virginia	Loudoun	300,000	new site
Virginia	177	Virginia	Chesapeake City, Norfolk City, Virginia Beach City	530,848	18
Virginia	178	Virginia	Isle Of Wight, Suffolk City, Chesapeake City, Portsmouth City	197,608	15
Virginia	181	Virginia	Williamsburg City, Newport News City, York, New Kent, James City	69,059	20

Virginia	1826	Virginia	Wise	14,000	55
Virginia	1828	Virginia	Stafford	44,000	20
Virginia	1829	Virginia	Amherst, Campbell, Bedford	220,000	42
Virginia	1831	Virginia	Rockingham, Harrisonburg City	81,000	40.75
Virginia	1833	Virginia	Montgomery, Pulaski, Radford	70,000	24.25
Virginia	1834	Virginia	Roanoke, Roanoke City, Salem, Botetourt	300,000	12
Virginia	1837	Virginia	Russell	3,100	48.5
Virginia	38	Virginia	Alexandria City, Fairfax	300,000	10.5
Virginia	38	Virginia	Alexandria City, Fairfax	300,000	new site
Virginia	61	Virginia	Montgomery	52,500	29.5
Washington	1076	Washington	Chelan	35,550	N/A
Washington	1143	Washington	Pierce	43,000	N/A
Washington	1397	Washington	Pierce	295,855	N/A
Washington	1635	Washington	Yakima	117,072	N/A
Washington	755	Washington	Benton	15,000	N/A
Washington	758	Washington	Benton	83,000	N/A
Washington	760	Washington	Spokane	120,000	N/A
Wisconsin	120	Wisconsin	Columbia	6,900	N/A
Wisconsin	128	Wisconsin	Brown	43,000	63.2
Wisconsin	153	Wisconsin	Waukesha	51,000	77
Wisconsin	164	Wisconsin	Brown, Kewaunee	189,000	41.6
Wisconsin	172	Wisconsin	Washington, Dodge	17,320	63.33
Wisconsin	1851	Wisconsin	Walworth	28,000	37.4
Wisconsin	189	Wisconsin	Rock	63,000	43.4
Wisconsin	203	Wisconsin	Kenosha	122,000	59.2
Wisconsin	209	Wisconsin	La Crosse	85,000	65.75
Wisconsin	223	Wisconsin	Columbia	3,100	68.33
Wisconsin	243	Wisconsin	Juneau	4,400	42.33
Wisconsin	246	Wisconsin	Dunn	5,000	65.67
Wisconsin	248	Wisconsin	Lincoln	9,700	58

Wisconsin	256	Wisconsin	Ozaukee, Milwaukee	470,007	49.2
Wisconsin	257	Wisconsin	Waukesha, Milwaukee, Racine, Washington, Ozaukee	615,934	19.8
Wisconsin	260	Wisconsin	Green	11,000	31.8
Wisconsin	297	Wisconsin	Jefferson, Waukesha	22,300	50.6
Wisconsin	302	Wisconsin	Winnebago	78,300	79.8
Wisconsin	320	Wisconsin	Sheboygan	9,150	56
Wisconsin	325	Wisconsin	Columbia	11,000	30.67
Wisconsin	389	Wisconsin	Portage	27,000	76.6
Wisconsin	392	Wisconsin	Douglas	28,000	48.4
Wisconsin	41	Wisconsin	Outagamie, Winnebago, Calumet	72,810	51.25
Wisconsin	432	Wisconsin	Waupaca	8,000	21.2
Wisconsin	433	Wisconsin	Marathon	42,350	40.6
West Virginia	1860	West Virginia	Kanawha	9,000	N/A
West Virginia	1861	West Virginia	Wayne, Cabell	56,000	60.25
West Virginia	1863	West Virginia	Cabell	7,000	43.33
West Virginia	1864	West Virginia	Cabell	11,250	N/A
West Virginia	206	West Virginia	Mineral	8,168	69.67
West Virginia	445	West Virginia	Ohio	50,000	N/A
West Virginia	466	West Virginia	Mercer	36,000	48
Alabama	1716	Alabama	Jefferson	30,000	69.43
Alabama	1718	Alabama	Jefferson	225,000	53.29
California	1378	California	Yolo	59,000	32.14
California	1674	California	San Benito	42,000	54.71
California	1680	California	Sonoma	230,000	67.71
California	1684	California	San Diego	2,200,000	48
California	1690	California	Los Angeles	4,000,000	50.86
California	1695	California	Marin	30,000	75.57
California	1703	California	Marin	53,000	59
California	1732	California	Alameda	229,476	49.4
California	1756	California	Monterey	262,000	59.14
California	1760	California	Yolo	4,006	21.29
California	1766	California	Yolo	7,286	44.25
California	1784	California	Marin	30,000	32.29

California	1790	California	Orange	120,000	49
California	1793	California	Sonoma	28,000	45.67
California	1869	California	Riverside	350,000	59.86
California	305	California	Santa Clara	236,000	50
California	363	California	San Francisco, San Mateo	750,000	50
California	564	California	Alameda	50,000	61.57
Delaware	1930	Delaware	Sussex	13,172	49.14
Florida	1631	Florida	Orange	50,000	54
Florida	1699	Florida	Palm Beach	90,000	54.29

Florida	1735	Florida	Seminole	95,000	48.43
Florida	1841	Florida	Miami-Dade	920,528	37.29
Georgia	1663	Georgia	Fulton	189,593	41.14
Georgia	1697	Georgia	Fulton	12,818	50.29
Iowa	1783	Iowa	Muscatine	24,400	61.71
Iowa	1791	Iowa	Wapello	25,529	28.57
Idaho	1842	Idaho	Ada	186,901	49
Idaho	813	Idaho	Ada	108,556	45.86
Illinois	1721	Illinois	Du Page	63,000	63.43
Indiana	1738	Indiana	Clark	25,000	41.71
Kansas	1696	Kansas	Douglas	80,000	65.17
Kansas	1813	Kansas	Wyandotte	15,000	48
Massachusetts	2010	Massachusetts	Worcester	250,000	new site
Maryland	1782	Maryland	Washington	90,000	30.57
Maine	1843	Maine	York	10,000	71
Michigan	1682	Michigan	Macomb	140,000	49.29
Michigan	1691	Michigan	Jackson	90,000	34.43
Michigan	1781	Michigan	Kent	75,000	64.29
Minnesota	1675	Minnesota	Blue Earth, Nicollet	70,000	78.14
North Carolina	1662	North Carolina	Forsyth	92,000	48.43
North Carolina	569	North Carolina	Lenoir	25,000	66.14
New Hampshire	1755	New Hampshire	Strafford	30,000	62.83
Ohio	1779	Ohio	Mahoning	174,000	58
Pennsylvania	1667	Pennsylvania	Dauphin	125,000	46
Pennsylvania	1737	Pennsylvania	Delaware	220,000	17.4
Texas	1949	Texas	Montgomery	15,000	new site
Utah	1708	Utah	Utah	115,000	60.8

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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