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 in communities and what prevention steps may be needed. Find your county's COVID-19 Community Levels here. Find more data on COVID-19 vaccination, testing, and treatment here. Find more data on hospitalizations, deaths, and other COVID-19 indicators in your community here.

United States At a Glance

Cases Total	Deaths Total	Deaths Trend	Cases Per 100,000	Current Step	Vaccinated
103,436,829	1,127,152	↘	31,115.74	10,354	70.5% of People with Updated Booster Dose

Data Tracker Home

Cases, Deaths, & Testing

Case & Death Demographic Trends

Vaccination Distribution & Coverage

Vaccine Effectiveness & Breakthrough Surveillance

Health Equity

Pediatric

Pregnancy

People at Increased Risk

Wastewater Surveillance

Health Care Settings

Social Impact & Prevention

Variants & Genomic Surveillance

Antibody Seroprevalence

Post-COVID Conditions

Traveler-Based Genomic Surveillance

Other COVID-19 Data

Communications Resources

COVID-19 Home

Get Email Updates

Sign up to receive the COVID Data Tracker Weekly Review.

Email Address

Email Address

What's this?

Submit

Wastewater Surveillance

COVID-19: Wastewater Surveillance

Communities can track the presence of SARS-CoV-2, the virus that causes COVID-19, in wastewater samples. Virus levels in wastewater can provide an early warning of COVID-19's spread in communities. For more information, visit the Wastewater Surveillance 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 processes 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 on this page, starting with the "Select a State" map, 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.

On This Page
Wastewater Surveillance
Wastewater Surveillance Data
Wastewater Metric Map
Wastewater Metric Chart
Wastewater Metric Map
Data Downloads
Terms to Know
About the Data

Maps, charts, and data provided by CDC, updates Mon-Fri by 8pm ET. This represents all wastewater data submitted to the National Wastewater Surveillance System (NWSS) as of the last data update. Sites collect samples at different times, so the most recent data in a site represents a recent 7-day period in which samples were collected. Wastewater samples are collected from sewer systems to assessment virus RNA shedding in fecal samples which are transported to laboratories for analysis. Wastewater samples are collected from sewer systems to assessment virus RNA shedding in fecal samples which are transported to laboratories for analysis. Jurisdictions in which sewer systems are not connected to sewer systems or use septic systems are not included in this dashboard

Colorado	1175	Lincoln	5,701
Colorado	1176	Otero	31,422
Colorado	1177	Prowers	12,551
Colorado	1178	Rio Blanco	6,393
Colorado	1179	Rio Grande	11,281
Colorado	1180	Saguache	6,931
Colorado	1181	Sedgwick	2,370
Colorado	1182	Summit	28,929
Colorado	1183	Teller	23,350
Colorado	1184	Washington	4,812
Colorado	1185	Yuma	10,043
Connecticut	1186	Fairfield	916,829
Connecticut	1187	Hartford	894,014
Connecticut	1188	Litchfield	182,193
Connecticut	1189	Middlesex	165,676
Connecticut	1190	New Haven	862,477
Connecticut	1191	New London	274,055
Connecticut	1192	Tolland	152,691
Connecticut	1193	Windham	116,731
Delaware	1194	Kent	181,851
Delaware	1195	New Castle	538,479
Delaware	1196	Sussex	197,145
Florida	1197	Alachua	247,336
Florida	1198	Baker	27,115
Florida	1199	Bay	168,852
Florida	1200	Bradford	28,520
Florida	1201	Brevard	543,376
Florida	1202	Broward	1,909,757
Florida	1203	Calhoun	14,746
Florida	1204	Charlotte	159,978
Florida	1205	Citrus	141,236
Florida	1206	Clay	211,454
Florida	1207	Collier	321,020
Florida	1208	Columbia	67,811
Florida	1209	DeSoto	34,862
Florida	1210	Dixie	16,422
Florida	1211	Duval	864,263
Florida	1212	Escambia	297,619
Florida	1213	Flagler	115,243
Florida	1214	Franklin	11,549
Florida	1215	Gadsden	45,087
Florida	1216	Gilchrist	16,939
Florida	1217	Glades	12,884
Florida	1218	Gulf	15,863
Florida	1219	Hamilton	14,799
Florida	1220	Hardee	27,731
Florida	1221	Hendry	39,140
Florida	1222	Hernando	172,778
Florida	1223	Highlands	98,786
Florida	1224	Hillsborough	1,229,226
Florida	1225	Holmes	19,927
Florida	1226	Indian River	138,028
Florida	1227	Jackson	49,746
Florida	1228	Jefferson	14,761
Florida	1229	Lafayette	8,870
Florida	1230	Lake	356,875
Florida	1231	Lee	770,577
Florida	1232	Leon	275,487
Florida	1233	Levy	41,351
Florida	1234	Liberty	8,365
Florida	1235	Madison	19,224
Florida	1236	Manatee	322,833
Florida	1237	Marion	331,577
Florida	1238	Martin	150,928
Florida	1239	Miami-Dade	2,496,435
Florida	1240	Monroe	73,090
Florida	1241	Nassau	73,314
Florida	1242	Okaloosa	180,822
Florida	1243	Okeechobee	39,996
Florida	1244	Orange	1,145,956
Florida	1245	Osceola	268,172
Florida	1246	Palm Beach	1,320,134
Florida	1247	Pasco	464,697
Florida	1248	Pinellas	916,542
Florida	1249	Polk	602,095
Florida	1250	Putnam	70,423
Florida	1251	Saint Johns	211,707
Florida	1252	Saint Lucie	277,789
Florida	1253	Santa Rosa	151,372
Florida	1254	Sarasota	379,448
Florida	1255	Seminole	422,718
Florida	1256	Sumter	114,674
Florida	1257	Suwannee	41,551
Florida	1258	Taylor	22,570
Florida	1259	Union	15,191
Florida	1260	Volusia	494,593
Florida	1261	Wakulla	31,313
Florida	1262	Walton	55,043
Florida	1263	Washington	24,896
Georgia	1264	Appling	18,419
Georgia	1265	Atkinson	8,375
Georgia	1266	Bacon	11,032
Georgia	1267	Baker	3,451
Georgia	1268	Baldwin	45,720
Georgia	1269	Banks	16,470
Georgia	1270	Barrow	83,041
Georgia	1271	Bartow	106,741
Georgia	1272	Ben Hill	17,634
Georgia	1273	Berrien	19,286
Georgia	1274	Bibb	153,159
Georgia	1275	Bleckley	11,392
Georgia	1276	Brantley	14,629
Georgia	1277	Brooks	16,408
Georgia	1278	Bryan	23,696
Georgia	1279	Bulloch	70,709
Georgia	1280	Burke	22,243
Georgia	1281	Butts	23,655
Georgia	1282	Calhoun	6,320
Georgia	1283	Camden	54,666
Georgia	1284	Candler	10,572
Georgia	1285	Carroll	119,488
Georgia	1286	Catoosa	63,942
Georgia	1287	Charlton	12,171
Georgia	1288	Chatham	265,128
Georgia	1289	Chattahoochee	11,897
Georgia	1290	Chattooga	25,470
Georgia	1291	Cherokee	141,903
Georgia	1292	Clarke	128,993
Georgia	1293	Clay	3,161
Georgia	1294	Clayton	259,424
Georgia	1295	Clinch	6,798
Georgia	1296	Cobb	729,977
Georgia	1297	Coffee	42,123
Georgia	1298	Colquitt	45,772
Georgia	1299	Columbia	156,567
Georgia	1300	Cook	17,212
Georgia	1301	Coweta	127,488
Georgia	1302	Crisp	21,796
Georgia	1303	Dade	16,291
Georgia	1304	Dawson	26,326
Georgia	1305	Decatur	27,842
Georgia	1306	DeKalb	691,893
Georgia	1307	Dodge	21,796
Georgia	1308	Dooly	14,918
Georgia	1309	Dougherty	94,565
Georgia	1310	Douglas	144,237
Georgia	1311	Early	11,098
Georgia	1312	Echols	3,897
Georgia	1313	Effingham	63,928
Georgia	1314	Elbert	19,166
Georgia	1315	Emanuel	22,840
Georgia	1316	Evans	11,186
Georgia	1317	Fannin	24,365
Georgia	1318	Fayette	113,157
Georgia	1319	Floyd	96,965
Georgia	1320	Forsyth	244,395
Georgia	1321	Franklin	22,084
Georgia	1322	Gilmer	31,369
Georgia	1323	Glascock	2,949
Georgia	1324	Glynn	84,691
Georgia	1325	Gordon	44,104
Georgia	1326	Grady	24,392
Georgia	1327	Greene	18,801
Georgia	1328	Gwinnett	1,117,161
Georgia	1329	Habersham	27,136
Georgia	1330	Hall	204,441
Georgia	1331	Hancock	9,429
Georgia	1332	Haralson	29,723
Georgia	1333	Harris	32,024
Georgia	1334	Hart	25,213
Georgia	1335	Heard	11,834
Georgia	1336	Henry	226,021
Georgia	1337	Houston	157,746
Georgia	1338	Irwin	9,931
Georgia	1339	Jackson	71,422
Georgia	1340	Jasper	14,350
Georgia	1341	Jeff Davis	15,681
Georgia	1342	Jefferson	16,930
Georgia	1343	Jenkins	8,892
Georgia	1344	Johnson	9,980
Georgia	1345	Jones	26,591
Georgia	1346	Lamar	18,317
Georgia	1347	Lanier	10,877
Georgia	1348	Laurens	47,082
Georgia	1349	Lee	28,298
Georgia	1350	Liberty	63,453
Georgia	1351	Lincoln	7,842
Georgia	1352	Long	14,464
Georgia	1353	Lowndes	109,233
Georgia	1354	Lumpkin	32,687
Georgia	1355	McDuffie	21,231
Georgia	1356	McIntosh	14,333
Georgia	1357	Macon	12,947
Georgia	1358	Madison	29,744
Georgia	1359	Marion	8,742
Georgia	1360	Meriwether	21,696
Georgia	1361	Miller	6,383
Georgia	1362	Mitchell	21,857
Georgia	1363	Monroe	27,958
Georgia	1364	Montgomery	9,123
Georgia	1365	Morgan	19,458
Georgia	1366	Murray	39,628
Georgia	1367	Muscogee	194,779
Georgia	1368	Newton	108,909
Georgia	1369	Oconee	32,808
Georgia	1370	Oglethorpe	14,899
Georgia	1371	Paulding	168,267
Georgia	1372	Pickens	29,431
Georgia	1373	Pierce	19,393
Georgia	1374	Pike	17,869
Georgia	1375	Polk	41,475
Georgia	1376	Rabun	16,276
Georgia	1377	Randolph	7,719
Georgia	1378	Richmond	199,775
Georgia	1379	Rockdale	92,741
Georgia	1380	Schley	5,010
Georgia	1381	Screven	14,593
Georgia	1382	Seminole	8,729
Georgia	1383	Spalding	64,696
Georgia	1384	Stephens	25,930
Georgia	1385	Stewart	4,816
Georgia	1386	Sumter	32,819
Georgia	1387	Talbot	6,193
Georgia	1388	Taliaferro	1,915
Georgia	1389	Tattnall	25,520
Georgia	1390	Taylor	8,906
Georgia	1391	Telfair	16,500
Georgia	1392	Terrell	9,315
Georgia	1393	Thomas	44,755
Georgia	1394	Tift	40,772
Georgia	1395	Toombs	26,664
Georgia	1396	Towns	10,471
Georgia	1397	Treutlen	6,854
Georgia	1398	Troup	69,159
Georgia	1399	Turner	8,930
Georgia	1400	Twiggs	9,023
Georgia	1401	Union	21,356
Georgia	1402	Upson	26,092
Georgia	1403	Walker	68,756
Georgia	1404	Walton	83,768
Georgia	1405	Ware	35,475
Georgia	1406	Warren	5,834
Georgia	1407	Washington	20,684
Georgia	1408	Wayne	30,099
Georgia	1409	Webster	2,799
Georgia	1410	Wheeler	7,421
Georgia	1411	White	27,251
Georgia	1412	Whitfield	102,314
Georgia	1413	Wilcox	8,963
Georgia	1414	Wilkes	10,593
Georgia	1415	Wilkinson	9,563
Georgia	1416	Worth	20,411
Hawaii	1417	Hawaii	185,079
Hawaii	1418	Honolulu	953,207
Hawaii	1419	Kalawao	90
Hawaii	1420	Kauai	72,293
Hawaii	1421	Maui	154,834
Idaho	1422	Ada	392,365
Idaho	1423	Adams	4,294
Idaho	1424	Bannock	82,839
Idaho	1425	Bear Lake	5,986
Idaho	1426	Benewah	9,285
Idaho	1427	Bingham	46,635
Idaho	1428	Blaine	21,376
Idaho	1429	Boise	7,028
Idaho	1430	Bonner	43,419
Idaho	1431	Bonneville	119,062
Idaho	1432	Boundary	10,972
Idaho	1433	Butte	2,891
Idaho	1434	Camas	1,117
Idaho	1435	Canyon	188,923
Idaho	1436	Caribou	6,963
Idaho	1437	Cassia	22,952
Idaho	1438	Clark	1,035
Idaho	1439	Clearwater	8,761
Idaho	1440	Custer	4,368
Idaho	1441	Elmore	27,038
Idaho	1442	Franklin	12,935
Idaho	1443	Fremont	13,242
Idaho	1444	Gem	16,719
Idaho	1445	Gooding	15,464
Idaho	1446	Idaho	16,709
Idaho	1447	Jefferson	26,140
Idaho	1448	Jerome	22,374
Idaho	1449	Kootenai	138,494
Idaho	1450	Latah	37,244
Idaho	1451	Lemhi	7,936
Idaho	1452	Lewis	3,821
Idaho	1453	Lincoln	5,324
Idaho	1454	Madison	39,565
Idaho	1455	Minidoka	20,069
Idaho	1456	Nez Perce	39,265
Idaho	1457	Oneida	4,286
Idaho	1458	Owyhee	11,526
Idaho	1459	Payette	22,351
Idaho	1460	Power	7,817
Idaho	1461	Shoshone	12,765
Idaho	1462	Teton	10,170
Idaho	1463	Twin Falls	77,230
Idaho	1464	Valley	9,862
Idaho	1465	Washington	10,198
Illinois	1466	Adams	67,103
Illinois	1467	Alexander	5,236
Illinois	1468	Bond	14,991
Illinois	1469	Boone	53,277
Illinois	1470	Brown	5,836
Illinois	1471	Bureau	34,978
Illinois	1472	Calhoun	4,628
Illinois	1473	Carroll	15,387
Illinois	1474	Cass	13,642
Illinois	1475	Champaign	201,081
Illinois	1476	Christian	34,372
Illinois	1477	Clark	16,335
Illinois	1478	Clay	13,815
Illinois	1479	Clinton	37,544
Illinois	1480	Coles	53,873
Illinois	1481	Cook	5,150,233
Illinois	1482	Crawford	19,412
Illinois	1483	Cumberland	11,048
Illinois	1484	DeKalb	105,160
Illinois	1485	Dewitt	16,561
Illinois	1486	Douglas	19,980
Illinois	1487	Dupage	916,924
Illinois	1488	Edgar	18,576
Illinois	1489	Edwards	6,721
Illinois	1490	Effingham	34,264
Illinois	1491	Fayette	21,375
Illinois	1492	Ford	14,081
Illinois	1493	Franklin	39,561
Illinois	1494	Fulton	35,362
Illinois	1495	Gallatin	5,589
Illinois	1496	Greene	12,136
Illinois	1497	Grundy	52,250
Illinois	1498	Hancock	19,104
Illinois	1499	Hardin	4,320
Illinois	1500	Henderson	7,331
Illinois	1501	Henry	50,486
Illinois	1502	Iroquois	27,018
Illinois	1503	Jackson	60,932
Illinois	1504	Jasper	9,698
Illinois	1505	Jefferson	37,828
Illinois	1506	Jersey	22,276
Illinois	1507	Jo Daviess	21,821
Illinois	1508	Johnson	12,582
Illinois	1509	Kane	515,269
Illinois	1510	Kankakee	103,488
Illinois	1511	Kendall	131,869
Illinois	1512	Knox	52,919
Illinois	1513	Lake	703,462
Illinois	1514	LaSalle	113,924
Illinois	1515	Lawrence	16,833
Illinois	1516	Lee	34,392
Illinois	1517	Livingston	38,950
Illinois	1518	Logan	30,305
Illinois	1519	McDonough	32,612
Illinois	1520	McHenry	308,760
Illinois	1521	McLean	169,572
Illinois	1522	Macon	110,768
Illinois	1523	Macoupin	47,765
Illinois	1524	Madison	263,886
Illinois	1525	Marion	37,728
Illinois	1526	Marshall	12,640
Illinois	1527	Mason	14,666
Illinois	1528	Massac	15,429
Illinois	1529	Menard	12,705
Illinois	1530	Mercer	16,434
Illinois	1531	Monroe	32,957
Illinois	1532	Montgomery	28,822
Illinois	1533	Morgan	35,547
Illinois	1534	Moultrie	14,846
Illinois	1535	Ogle	53,497
Illinois	1536	Peoria	186,189
Illinois	1537	Perry	21,873
Illinois	1538	Piatt	16,729
Illinois	1539	Pike	16,662
Illinois	1540	Pope	4,470
Illinois	1541	Pulaski	6,161
Illinois	1542	Putnam	6,006
Illinois	1543	Randolph	33,476
Illinois	1544	Richland	16,149
Illinois	1545	Rock Island	147,546
Illinois	1546	Saline	24,913
Illinois	1547	Sangamon	197,465
Illinois	1548	Schuyler	7,307
Illinois	1549	Scott	5,355
Illinois	1550	Shelby	22,363
Illinois	1551	Stark	5,994
Illinois	1552	Stephenson	45,482
Illinois	1553	Tazewell	135,394
Illinois	1554	Union	17,808
Illinois	1555	Vermilion	76,610
Illinois	1556	Wabash	11,947
Illinois	1557	Warren	16,707
Illinois	1558	Washington	14,827
Illinois	1559	Wayne	16,768
Illinois	1560	White	14,665
Illinois	1561	Whiteside	55,396
Illinois	1562	Will	677,560
Illinois	1563	Williamson	66,357
Illinois	1564	Winnebago	302,009
Illinois	1565	Woodford	38,018
Indiana	1566	Adams	34,387
Indiana	1567	Allen	355,329
Indiana	1568	Bartholomew	82,026
Indiana	1569	Benton	8,854
Indiana	1570	Blackford	12,766
Indiana	1571	Boone	56,884
Indiana	1572	Brown	15,081
Indiana	1573	Carroll	20,165
Indiana	1574	Cass	38,620
Indiana	1575	Clark	117,241
Indiana	1576	Clay	26,890
Indiana	1577	Clinton	33,422
Indiana	1578	Crawford	10,713
Indiana	1579	Daviess	31,648
Indiana	1580	Dearborn	50,047
Indiana	1581	Decatur	26,656
Indiana	1582	DeKalb	42,223
Indiana	1583	Delaware	117,671
Indiana	1584	Dubois	41,889
Indiana	1585	Elkhart	197,559
Indiana	1586	Fayette	24,277
Indiana	1587	Floyd	74,578
Indiana	1588	Fountain	16,219
Indiana	1589	Franklin	23,151
Indiana	1590	Fulton	20,836
Indiana	1591	Gibson	33,503
Indiana	1592	Grant	66,758
Indiana	1593	Greene	33,165
Indiana	1594	Hamilton	297,918
Indiana	1595	Hancock	70,089
Indiana	1596	Harrison	39,364
Indiana	1597	Hendricks	145,448
Indiana	1598	Henry	49,462
Indiana	1599	Howard	82,786
Indiana	1600	Huntington	36,651
Indiana	1601	Jackson	42,376
Indiana	1602	Jasper	33,478
Indiana	1603	Jay	21,828
Indiana	1604	Jefferson	32,428
Indiana	1605	Jennings	28,074
Indiana	1606	Johnson	150,078
Indiana	1607	Knox	37,828
Indiana	1608	Kosciusko	77,358
Indiana	1609	LaGrange	37,128
Indiana	1610	Lake	496,005
Indiana	1611	LaPorte	111,467
Indiana	1612	Lawrence	46,134
Indiana	1613	Madison	131,636
Indiana	1614	Marion	903,393
Indiana	1615	Marshall	47,051
Indiana	1616	Martin	10,334
Indiana	1617	Miami	36,084
Indiana	1618	Monroe	137,974
Indiana	1619	Montgomery	38,124
Indiana	1620	Morgan	70,045
Indiana	1621	Newton	14,244
Indiana	1622	Noble	47,536
Indiana	1623	Ohio	5,844
Indiana	1624	Orange	19,840
Indiana	1625	Owen	21,786
Indiana	1626	Parke	16,931
Indiana	1627	Perry	19,338
Indiana	1628	Pike	12,509
Indiana	1629	Porter	164,083
Indiana	1630	Posey	25,910
Indiana	1631	Pulaski	13,066
Indiana	1632	Putnam	37,963
Indiana	1633	Randolph	26,171
Indiana	1634	Ripley	28,818
Indiana	1635	Rush	16,863
Indiana	1636	Saint Joseph	266,931
Indiana	1637	Scott	23,974
Indiana	1638	Shelby	44,436
Indiana	1639	Spencer	20,391
Indiana	1640	Starke	23,363
Indiana	1641	Steuben	34,799
Indiana	1642	Sullivan	21,475
Indiana	1643	Switzerland	10,613
Indiana	1644	Tippecanoe	172,780
Indiana	1645	Tipton	15,936
Indiana	1646	Union	7,349
Indiana	1647	Vanderburgh	179,703
Indiana	1648	Vermillion	16,212
Indiana	1649	Vigo	107,848
Indiana	1650	Wabash	31,564
Indiana	1651	Warren	8,419
Indiana	1652	Warrick	59,689
Indiana	1653	Washington	28,262
Indiana	1654	Wayne	66,974
Indiana	1655	Wells	27,636
Indiana	1656	White	24,643
Indiana	1657	Whitley	33,929
Iowa	1658	Adair	7,682
Iowa	1659	Adams	3,970
Iowa	1660	Allamakee	13,887
Iowa	1661	Appanoose	12,887
Iowa	1662	Audubon	6,055
Iowa	1663	Benton	26,076
Iowa	1664	Black Hawk	131,090
Iowa	1665	Boone	26,306
Iowa	1666	Bremer	24,096
Iowa	1667	Buchanan	20,958
Iowa	1668	Buena Vista	19,651
Iowa	1669	Butler	14,867
Iowa	1670	Calhoun	9,929
Iowa	1671	Carroll	20,365
Iowa	1672	Cass	13,337
Iowa	1673	Cedar	18,499
Iowa	1674	Cerro Gordo	43,797
Iowa	1675	Cherokee	11,898
Iowa	1676	Chickasaw	12,439
Iowa	1677	Clarke	9,286
Iowa	1678	Clay	16,667
Iowa	1679	Clayton	18,129
Iowa	1680	Clinton	49,116
Iowa	1681	Crawford	16,942
Iowa	1682	Dallas	66,135
Iowa	1683	Davis	8,503
Iowa	1684	Decatur	8,457
Iowa	1685	Delaware	17,764
Iowa	1686	Des Moines	39,351
Iowa	1687	Dickinson	16,667
Iowa	1688	Dubuque	93,653
Iowa	1689	Emmet	10,302
Iowa	1690	Fayette	20,880
Iowa	1691	Floyd	16,303
Iowa	1692	Franklin	10,680
Iowa	1693	Fremont	7,441
Iowa	1694	Greene	9,336
Iowa	1695	Grundy	12,421
Iowa	1696	Guthrie	10,282
Iowa	1697	Hamilton	15,673
Iowa	1698	Hancock	11,341
Iowa	1699	Hardin	16,534
Iowa	1700	Harrison	14,010
Iowa	1701	Henry	20,145
Iowa	1702	Howard	9,737
Iowa	1703	Humboldt	9,815
Iowa	1704	Ida	7,089
Iowa	1705	Iowa	16,355
Iowa	1706	Jackson	19,848
Iowa	1707	Jasper	36,488
Iowa	1708	Jefferson	16,843
Iowa	1709	Johnson	130,882
Iowa	1710	Jones	20,638
Iowa	1711	Keokuk	9,586
Iowa	1712	Kossuth	14,355
Iowa	1713	Lee	35,294
Iowa	1714	Linn	211,226
Iowa	1715	Louisa	11,592
Iowa	1716	Lucas	8,898
Iowa	1717	Lyon	11,581
Iowa	1718	Madison	15,679
Iowa	1719	Marion	33,309
Iowa	1720	Marshall	39,311
Iowa	1721	Mills	15,059
Iowa	1722	Mitchell	10,776
Iowa	1723	Monona	9,243
Iowa	1724	Monroe	7,970
Iowa	1725	Montgomery	10,068
Iowa	1726	Muscatine	42,745
Iowa	1727	O'Brien	14,398
Iowa	1728	Osceola	6,462
Iowa	1729	Page	15,932
Iowa	1730	Palo Alto	9,421
Iowa	1731	Plymouth	25,051
Iowa	1732	Pocahontas	7,031
Iowa	1733	Polk	492,401
Iowa	1734	Pottawattamie	93,158
Iowa	1735	Poweshiek	18,815
Iowa	1736	Ringgold	5,131
Iowa	1737	Sac	10,350
Iowa	1738	Scott	165,224
Iowa	1739	Shelby	12,167
Iowa	1740	Sioux	33,704
Iowa	1741	Story	89,542
Iowa	1742	Tama	16,479
Iowa	1743	Taylor	6,317
Iowa	1744	Union	12,534
Iowa	1745	Van Buren	7,570
Iowa	1746	Wapello	35,625
Iowa	1747	Warren	46,225
Iowa	1748	Washington	21,704
Iowa	1749	Wayne	6,403
Iowa	1750	Webster	36,958
Iowa	1751	Winnebago	10,866
Iowa	1752	Winneshiek	21,056
Iowa	1753	Woodbury	103,351
Iowa	1754	Worth	7,598
Iowa	1755	Wright	13,229
Kansas	1756	Allen	13,371
Kansas	1757	Anderson	7,845
Kansas	1758	Atchison	16,924
Kansas	1759	Barber	4,614
Kansas	1760	Barton	26,389
Kansas	1761	Bourbon	14,869
Kansas	1762	Brown	9,984
Kansas	1763	Butler	65,880
Kansas	1764	Chase	2,790
Kansas	1765	Chautauqua	3,669
Kansas	1766	Cherokee	21,603
Kansas	1767	Cheyenne	2,848
Kansas	1768	Clark	2,313
Kansas	1769	Clay	8,822
Kansas	1770	Cloud	9,533
Kansas	1771	Coffey	8,601
Kansas	1772	Comanche	1,891
Kansas	1773	Cowley	36,097
Kansas	1774	Crawford	38,818
Kansas	1775	Decatur	2,961
Kansas	1776	Dickinson	19,754
Kansas	1777	Doniphan	7,945
Kansas	1778	Douglas	116,985
Kansas	1779	Edwards	3,798
Kansas	1780	Elk	2,882
Kansas	1781	Ellis	27,564
Kansas	1782	Ellsworth	6,353
Kansas	1783	Finney	36,241
Kansas	1784	Ford	33,848
Kansas	1785	Franklin	25,544
Kansas	1786	Geary	18,976
Kansas	1787	Gove	2,693
Kansas	1788	Graham	2,597
Kansas	1789	Grant	7,829
Kansas	1790	Gray	5,905
Kansas	1791	Greeley	1,247
Kansas	1792	Greenwood	6,618
Kansas	1793	Hamilton	2,690
Kansas	1794	Harper	5,369
Kansas	1795	Harvey	34,697
Kansas	1796	Haskell	4,003
Kansas	1797	Hodgeman	1,916
Kansas	1798	Jackson	13,464
Kansas	1799	Jefferson	19,660
Kansas	1800	Jewell	3,423
Kansas	1801	Johnson	544,179
Kansas	1802	Kearny	3,977
Kansas	1803	Kingman	7,858
Kansas	1804	Kiowa	2,553
Kansas	1805	Labette	21,693
Kansas	1806	Lane	1,655
Kansas	1807	Leavenworth	76,227
Kansas	1808	Lincoln	3,241
Kansas	1809	Linn	9,656
Kansas	1810	Logan	2,881
Kansas	1811	Lyon	33,690
Kansas	1812	Marion	12,660
Kansas	1813	Marshall	9,707
Kansas	1814	McPherson	29,180
Kansas	1815	Meade	4,033
Kansas	1816	Miami	32,787
Kansas	1817	Mitchell	6,756
Kansas	1818	Montgomery	35,471
Kansas	1819	Morris	5,620
Kansas	1820	Morton	3,233
Kansas	1821	Nemaha	10,231
Kansas	1822	Neosho	16,026
Kansas	1823	Ness	3,085
Kansas	1824	Norton	5,952
Kansas	1825	Osage	16,459
Kansas	1826	Osborne	3,858
Kansas	1827	Ottawa	5,572
Kansas	1828	Pawnee	6,973
Kansas	1829	Phillips	5,642
Kansas	1830	Pottawatomie	21,604
Kansas	1831	Pratt	9,656
Kansas	1832	Rawlins	2,966
Kansas	1833	Reno	62,389
Kansas	1834	Republic	5,835
Kansas	1835	Rice	9,419
Kansas	1836	Riley	71,115
Kansas	1837	Rooks	5,181
Kansas	1838	Rush	3,036
Kansas	1839	Russell	6,845
Kansas	1840	Saline	55,911
Kansas	1841	Scott	5,134
Kansas	1842	Sedgwick	498,365
Kansas	1843	Seward	22,952
Kansas	1844	Shawnee	177,062
Kansas	1845	Sheridan	2,556
Kansas	1846	Sherman	5,917
Kansas	1847	Smith	3,853
Kansas	1848	Stafford	4,437
Kansas	1849	Stanton	2,011
Kansas	1850	Stevens	5,324
Kansas	1851	Sumner	24,132
Kansas	1852	Thomas	7,958
Kansas	1853	Trego	3,319
Kansas	1854	Wabaunsee	6,931
Kansas	1855	Wallace	1,485
Kansas	1856	Washington	5,799
Kansas	1857	Wichita	2,152
Kansas	1858	Wilson	9,409
Kansas	1859	Woodson	3,093
Kansas	1860	Wyandotte	165,831
Kentucky	1861	Adair	18,656
Kentucky	1862	Allen	19,086
Kentucky	1863	Anderson	21,421
Kentucky	1864	Ballard	8,249
Kentucky	1865	Barren	42,173
Kentucky	1866	Bath	11,591
Kentucky	1867	Bell	26,277
Kentucky	1868	Boone	118,811
Kentucky	1869	Bourbon	19,985
Kentucky	1870	Boyd	49,542
Kentucky	1

California	1487	Contra Costa	55,693	65.40
California	1488	Los Angeles	3,936,567	1,187
California	1506	Los Angeles	200,000	40.14
California	1507	Santa Barbara	55,000	35.00
California	1509	San Bernardino	906,000	54.33
California	1510	Ventura	106,000	54.00
California	1511	San Mateo	65,000	35.00
California	1513	California	83,283	39.40
California	1514	Solano	121,000	61.00
California	1518	Contra Costa	100,000	55.5
California	1519	Alameda	41,000	18.2
California	1534	Alameda	98,100	28.6
California	1535	Contra Costa	100,000	55.5
California	1536	Contra Costa	100,000	55.5
California	1580	Orange	46,000	44.06
California	1581	Orange	100,000	55.5
California	1586	Santa Clara	110,000	50
California	1587	Santa Clara	100,000	55.5
California	2013	Santa Clara	1,500,000	50
California	2014	Santa Clara	1,500,000	50
California	2015	Sacramento	1,400,000	50
California	2031	San Mateo	100,000	50
California	2032	Riverside	31,705	46.66
Colorado	1744	Douglas	35,000	24.70
Colorado	1745	Colorado	20,000	25.00
Florida	1686	Florida	150,249	20.17
Florida	1687	Florida	150,000	20.17
Florida	1688	Florida	150,000	20.17
Florida	1849	Miami-Dade	176,150	26.10
Florida	1850	Miami-Dade	600,753	50.96
Georgia	1666	Georgia	15,811	27
Georgia	1667	Georgia	40,000	47.24
Georgia	1668	Georgia	176,000	50.00
Georgia	1669	Georgia	50,000	25.00
Georgia	1670	Georgia	50,000	25.00
Georgia	1742	Gwinnett	94,000	21.75
Iowa	1864	Clinton	31,000	41.00
Iowa	1866	Iowa	Marshall	27,400
Iowa	1867	Iowa	Johnson	23,000
Idaho	1672	Idaho	Kootenai	50,340
Illinois	1673	Illinois	Cook	100,000
Indiana	1681	Indiana	St Joseph	100,000
Indiana	1682	Indiana	Lake	100,000
Indiana	1711	Marion	Marion	50,000
Kansas	1719	Kansas	Saline	47,000
Kansas	1720	Kansas	Wyandotte	26,771
Kansas	1812	Kansas	Wyandotte	90,000
Kentucky	1722	Kentucky	Jefferson	17,000
Massachusetts	1780	Massachusetts	Worcester, Norfolk, Suffolk, Plymouth, Bristol	2,400,000
Maryland	1781	Maryland	Baltimore	20,000
Maryland	1782	Maryland	Baltimore	50,000
Michigan	1783	Michigan	Wayne	120,000
Michigan	1879	Michigan	Grand Traverse	30,000
Minnesota	1784	Minnesota	Hennepin	100,000
New Hampshire	1786	New Hampshire	Merrimack	4,000
New Hampshire	1787	New Hampshire	Rockingham	4,000
New Jersey	1793	New Jersey	Monmouth	52,673
New Jersey	1794	New Jersey	Essex, Bergen, Hudson, Union, Passaic	1,000,000
Ohio	1810	Ohio	Stark	60,000
Texas	1675	Texas	Dallas	200,000
Texas	1683	Texas	Dallas	180,000
Texas	1684	Texas	Tarrant	100,000
Texas	1685	Texas	Harris	100,000
Texas	1755	Texas	Weldon	90,000
Texas	1756	Texas	Cooke	15,000
Texas	1847	Texas	Montgomery	65,000
Texas	1848	Texas	Montgomery	100,000
Texas	1851	Texas	Webb	120,000
Texas	1852	Texas	Webb	140,000
Utah	1796	Utah	Salt Lake	500,000
Virginia	1797	Virginia	Fairfax	50,000
Virginia	1798	Virginia	Stafford	100,000
Virginia	2,05	Virginia	Stafford	50,000
Alaska	1800	Alaska	Anchorage	20,000
Alaska	1491	Alaska	Juneau	20,000
Alabama	1801	Alabama	Colbert	100,000
Arkansas	1804	Arkansas	Washington	50,000
Arizona	1805	Arizona	Maricopa	50,000
Arizona	1806	Arizona	Pima	20,000
Arizona	1807	Arizona	Pima	20,000
Arizona	1808	Arizona	Maricopa	50,000
Arizona	1809	Arizona	Maricopa	50,000
Arizona	1810	Arizona	Pima	20,000
Arizona	1811	Arizona	Pima	20,000
California	1,173	California	Contra Costa	494,000
California	1,174	California	Solano	494,000
California	1,175	California	San Luis Obispo	494,000
California	1,239	California	San Luis Obispo	47,400
California	1,240	California	San Bernardino	76,000
California	1,443	California	Imperial	50,000
California	1,444	California	San Luis Obispo	14,276
California	1,550	California	San Luis Obispo	6,500
California	1,551	California	San Luis Obispo	6,500
California	1,552	California	Marin	12,000
California	461	California	Humboldt	43,173
California	1,614	California	Sonoma	220,000
California	763	California	Santa Cruz	160,000
California	764	California	Los Angeles	100,000
California	204	California	Riverside	31,765
California	1,615	California	Los Angeles	100,000
California	1,616	California	Los Angeles	100,000
Connecticut	386	Connecticut	New Haven	110,000
Connecticut	387	Connecticut	Windham	100,000
Connecticut	806	Connecticut	Fairfield	65,000
Connecticut	807	Connecticut	New Haven	100,000
District of Columbia	486	District Of Columbia	District Of Columbia	1,600,000
District of Columbia	487	District Of Columbia	District Of Columbia	1,600,000
Florida	1468	Florida	Hillsborough	85,750
Florida	1470	Florida	Palm Beach, Marion	96,138
Florida	1471	Florida	Lake	96,138
Florida	1472	Florida	Sarasota	100,000
Florida	648	Florida	Miami-Dade	103,124
Florida	649	Florida	Orange	277,630
Florida	675	Florida	Orange	50,587
Florida	675	Florida	Orange	60,072
Florida	711	Florida	Miami-Dade	924,125
Florida	712	Florida	Miami-Dade	924,125
Georgia	1,000	Georgia	Richmond	110,139
Guam	1,641	Guam	Guam	5,000
Guam	1,642	Guam	Guam	5,000
Hawaii	1,181	Hawaii	Maui	50,000
Hawaii	1,182	Hawaii	Honolulu	850,000
Hawaii	1,204	Hawaii	Honolulu	100,128
Hawaii	1,205	Hawaii	Honolulu	100,128
Hawaii	1,206	Hawaii	Honolulu	20,800
Hawaii	1,231	Hawaii	Hawaii	32,691
Hawaii	1,232	Hawaii	Hawaii	5,000
Iowa	1,195	Iowa	Johnson	21,000
Iowa	1,196	Iowa	Winneshiek	50,000
Illinois	462	Illinois	Winnebago	240,000
Illinois	463	Illinois	Winnebago	240,000
Indiana	1,150	Indiana	Hamilton	50,000
Indiana	1,152	Indiana	Hamilton	50,000
Indiana	1,153	Indiana	Lake	20,000
Indiana	1,273	Indiana	Dubois	10,000
Indiana	1,274	Indiana	Delaware	47,000
Indiana	1,293	Indiana	St Joseph	130,000
Indiana	1,294	Indiana	Marion	130,000
Indiana	1,295	Indiana	Marion	130,000
Indiana	1,319	Indiana	Vanderburgh	20,000
Indiana	1,320	Indiana	Bartholomew	20,000
Indiana	765	Indiana	Monroe	26,450
Indiana	770	Indiana	Monroe	20,000
Kansas	1,243	Kansas	Johnson	66,377
Kansas	1,244	Kansas	Johnson	66,377
Kansas	1,245	Kansas	Johnson	66,377
Kansas	367	Kansas	Shawnee	90,000
Louisiana	1,227	Louisiana	Lafayette	50,000
Louisiana	1,228	Louisiana	Rapides	60,000
Louisiana	1,229	Louisiana	Jefferson	60,000
Louisiana	1,514	Louisiana	Jefferson	65,364
Louisiana	1,515	Louisiana	East Feliciana	50,000
Louisiana	1,526	Louisiana	Jefferson	150,000
Louisiana	1,527	Louisiana	Jefferson	150,000
Louisiana	1,528	Louisiana	Lafayette	50,000
Louisiana	1,529	Louisiana	Jefferson	150,000
Louisiana	1,530	Louisiana	Orleans	150,000
Louisiana	1,531	Louisiana	Orleans	300,000
Louisiana	1,532	Louisiana	Orleans	300,000
Massachusetts	1,180	Massachusetts	Middlesex	100,000
Massachusetts	1,481	Massachusetts	Worcester	100,000
Massachusetts	1,482	Massachusetts	Middlesex	100,000
Massachusetts	1,495	Massachusetts	Worcester	40,000
Maryland	1,247	Maryland	Anne Arundel	100,000
Maryland	1,248	Maryland	Anne Arundel	100,000
Maryland	1,278	Maryland	Anne Arundel	20,000
Maryland	1,285	Maryland	Anne Arundel	10,000
Maryland	1,286	Maryland	Anne Arundel	10,000
Maine	1,287	Maine	Knox	20,000
Maine	475	Maine	Penobscot	900
Maine	476	Maine	Penobscot	900
Maine	531	Maine	Oxford	1,000
Maine	532	Maine	Oxford	1,000
Minnesota	1,108	Minnesota	Ramsey, Scott	250,000
Minnesota	1,109	Minnesota	Ramsey, Scott	250,000
Missouri	1,110	Missouri	Jefferson	12,000
Mississippi	1,003	Mississippi	Lafayette	27,842
Mississippi	1,004	Mississippi	Lafayette	27,842
North Carolina	1,005	North Carolina	Buncombe	100,000
North Carolina	1,006	North Carolina	Duplin, Pender	100,000
North Carolina	492	North Carolina	Henderson	10,000
North Carolina	493	North Carolina	Henderson	10,000
North Carolina	494	North Carolina	Gaston	10,000
North Carolina	575	North Carolina	Mitchell	3,000
Nebraska	1,007	Nebraska	Douglas	4,000
New Hampshire	452	New Hampshire	Sullivan	6,500
New Jersey	1,008	New Jersey	Essex, Union	1,000,000
New Jersey	1,085	New Jersey	Hudson	140,000
New Jersey	1,086	New Jersey	Bergen	140,000
New Jersey	1,184	New Jersey	Somerset, Union, Middlesex	480,000
New Jersey	1,185	New Jersey	Passaic, Essex, Hudson, Bergen	1,000,000
New Mexico	1,117	New Mexico	Santa Fe	87,500
New Mexico	1,118	New Mexico	Santa Fe	87,500
New Mexico	1,119	New Mexico	Los Alamos	5,000
New Mexico	854	New Mexico	Bernalillo	5,812
Nevada	1,120	Nevada	Clark	200,000
New York City	485	New York City	Kings	350,436
New York City	501	New York City	Queens	348,329
New York City	502	New York City	Queens	56,874
New York City	503	New York City	Queens	56,874
New York City	504	New York City	Bronx	240,918
New York City	505	New York City	Bronx	240,918
Oklahoma	1,121	Oklahoma	Garfield	31,000
Oklahoma	1,164	Oklahoma	Comanche	10,000
Oklahoma	1,165	Oklahoma	Bartlesville	10,000
Oregon	1,166	Oregon	Clackamas, Washington	25,780
Pennsylvania	1,167	Pennsylvania	Bucks	10,000
Pennsylvania	1,168	Pennsylvania	Bucks	10,000
Rhode Island	464	Rhode Island	Providence	240,000
Rhode Island	465	Rhode Island	Providence	240,000
Rhode Island	855	Rhode Island	Bristol	11,000
South Carolina	1,169	South Carolina	Greenville	100,000
South Carolina	1,170	South Carolina	Greenville	100,000
South Carolina	600	South Carolina	Greenwood	40,000
South Dakota	1,171	South Dakota	Brookings	10,000
South Dakota	855	Rhode Island	Bristol	11,000
Tennessee	1,172	Tennessee	Davidson	100,000
Tennessee	1,229	Tennessee	Shelby	300,000
Tennessee	1,230	Tennessee	Shelby, Sullivan	300,000
Tennessee	1,231	Tennessee	Sullivan	300,000
Tennessee	496	Tennessee	Bradley	52,000
Texas	1,131	Texas	Hudspeth	136,700
Texas	1,140	Texas	Travis	500,000
Texas	1,141	Texas	Travis	500,000
Texas	1,219	Texas	Dallas	300,000
Texas	1,220	Texas	Dallas	300,000
Texas	1,221	Texas	Galveston	80,000
Texas	281	Texas	El Paso	142,000
Texas	282	Texas	Dallas	300,000
Texas	811	Texas	Bexar	415,000
Texas	812	Texas	Bexar	200,000
Texas	848	Texas	Bexar	630,000
Texas	849	Texas	Bexar	630,000
Texas	1,310	Texas	Travis	500,000
Virginia	1,113	Virginia	Arlington	207,027
Virginia	1,114	Virginia	Fredericksburg	12,475
Virginia	1,259	Virginia	Clifton Forge City	5,000
Virginia	1,260	Virginia	Clifton Forge City	5,000
Virginia	1,272	Virginia	Franklin	5,000
Virginia	1,295	Virginia	Newport News City	141,000
Virginia	1,296	Virginia	Mecklenburg	5,000
Virginia	1,297	Virginia	Bedford	5,000
Vermont	1,298	Vermont	Chittenden	20,000
Vermont	1452	Vermont	Caledonia	5,000
Vermont	1453	Vermont	Washington	10,000
Vermont	1701	Vermont	Chittenden	22,000
Vermont	1702	Vermont	Chittenden	22,000
Washington	1,299	Washington	Clark	120,000
Washington	1,300	Washington	Clark	120,000
Washington	535	Washington	Clark	81,140
Washington	536	Washington	Clark	81,140
Wyoming	1,317	Wyoming	Sweetwater	12,000
Wyoming	1,318	Wyoming	Sheridan	20,000
Arizona	1,002	Arizona	Yuma	8,271
Arizona	1,003	Arizona	Yuma	8,271
Arizona	1,004	Arizona	Yuma	26,369
Arizona	1,012	Arizona	Maricopa	53,578
Arizona	1,013	Arizona	Maricopa	17,280
Arizona	1,014	Arizona	Maricopa	5,450
Arizona	1,015	Arizona	Maricopa	5,000
Arizona	1,016	Arizona	Maricopa	12,000
Arizona	1,017	Arizona	Maricopa	12,000
California	1,018	California	Santa Clara	15,000
California	1,019	California	Santa Clara	15,000
California	1,020	California	Santa Clara	15,000
California	1,021	California	Santa Clara	15,000
California	1,022	California	Santa Clara	15,000
California	1,023	California	Santa Clara	15,000
California	1,024	California	Santa Clara	15,000
California	1,025	California	San Francisco, San Mateo	15,000
California	1,026	California	San Mateo, San Francisco	15,000
California	1,027	California	San Mateo	15,000
California	1,028	California	Santa Clara	15,000
California	1,029	California	San Francisco, San Mateo	15,000
California	1,030	California	San Mateo, San Francisco	15,000
California	1,031	California	San Mateo	15,000
California	1,032	California	Santa Clara	15,000
California	1,033	California	Santa Clara	15,000
California	1,034	California	Santa Clara	15,000
California	1,035	California	Santa Clara	15,000
California	1,036	California	Santa Clara	15,000
California	1,037	California	Santa Clara	15,000
California	1,038	California	San Francisco, San Mateo	15,000
California	1,039	California	San Mateo, San Francisco	15,000
California	1,040	California	San Mateo	15,000
California	1,041	California	Santa Clara	15,000
California	1,042	California	Santa Clara	15,000
California	1,043	California	Santa Clara	15,000
California	1,044	California	Santa Clara	15,000
California	1,045	California	Santa Clara	15,000
California	1,046	California	Santa Clara	15,000
California	1,047	California	San Francisco, San Mateo	15,000
California	1,048	California	San Mateo, San Francisco	15,000
California	1,049	California	San Mateo	15,000
California	1,050	California	Santa Clara	15,000
California	1,051	California	Santa Clara	15,000
California	1,052	California	Santa Clara	15,000
California

United States			
Washington	11,07	Michigan	Ann
Washington	11,08	Texas	Houston
Washington	11,09	Washington	Spokane
Washington	11,10	Michigan	Macomb
Washington	11,11	Washington	Yakima
Washington	11,12	Washington	Kitsap
Washington	11,13	Washington	Pierce
Washington	11,14	Washington	Clark
Washington	11,15	Washington	Thurston
Washington	11,16	Washington	Spokane
Washington	11,17	Washington	Spokane
Washington	11,18	Washington	Spokane
Washington	11,19	Washington	Spokane
Washington	11,20	Washington	Spokane
Washington	11,21	Washington	Spokane
Washington	11,22	Washington	Spokane
Washington	11,23	Washington	Spokane
Washington	11,24	Washington	Spokane
Washington	11,25	Washington	Spokane
Washington	11,26	Washington	Spokane
Washington	11,27	Washington	Spokane
Washington	11,28	Washington	Spokane
Washington	11,29	Washington	Spokane
Washington	11,30	Washington	Spokane
Washington	11,31	Washington	Spokane
Washington	11,32	Washington	Spokane
Washington	11,33	Washington	Spokane
Washington	11,34	Washington	Spokane
Washington	11,35	Washington	Spokane
Washington	11,36	Washington	Spokane
Washington	11,37	Washington	Spokane
Washington	11,38	Washington	Spokane
Washington	11,39	Washington	Spokane
Washington	11,40	Washington	Spokane
Washington	11,41	Washington	Spokane
Washington	11,42	Washington	Spokane
Washington	11,43	Washington	Spokane
Washington	11,44	Washington	Spokane
Washington	11,45	Washington	Spokane
Washington	11,46	Washington	Spokane
Washington	11,47	Washington	Spokane
Washington	11,48	Washington	Spokane
Washington	11,49	Washington	Spokane
Washington	11,50	Washington	Spokane
Washington	11,51	Washington	Spokane
Washington	11,52	Washington	Spokane
Washington	11,53	Washington	Spokane
Washington	11,54	Washington	Spokane
Washington	11,55	Washington	Spokane
Washington	11,56	Washington	Spokane
Washington	11,57	Washington	Spokane
Washington	11,58	Washington	Spokane
Washington	11,59	Washington	Spokane
Washington	11,60	Washington	Spokane
Washington	11,61	Washington	Spokane
Washington	11,62	Washington	Spokane
Washington	11,63	Washington	Spokane
Washington	11,64	Washington	Spokane
Washington	11,65	Washington	Spokane
Washington	11,66	Washington	Spokane
Washington	11,67	Washington	Spokane
Washington	11,68	Washington	Spokane
Washington	11,69	Washington	Spokane
Washington	11,70	Washington	Spokane
Washington	11,71	Washington	Spokane
Washington	11,72	Washington	Spokane
Washington	11,73	Washington	Spokane
Washington	11,74	Washington	Spokane
Washington	11,75	Washington	Spokane
Washington	11,76	Washington	Spokane
Washington	11,77	Washington	Spokane
Washington	11,78	Washington	Spokane
Washington	11,79	Washington	Spokane
Washington	11,80	Washington	Spokane
Washington	11,81	Washington	Spokane
Washington	11,82	Washington	Spokane
Washington	11,83	Washington	Spokane
Washington	11,84	Washington	Spokane
Washington	11,85	Washington	Spokane
Washington	11,86	Washington	Spokane
Washington	11,87	Washington	Spokane
Washington	11,88	Washington	Spokane
Washington	11,89	Washington	Spokane
Washington	11,90	Washington	Spokane
Washington	11,91	Washington	Spokane
Washington	11,92	Washington	Spokane
Washington	11,93	Washington	Spokane
Washington	11,94	Washington	Spokane
Washington	11,95	Washington	Spokane
Washington	11,96	Washington	Spokane
Washington	11,97	Washington	Spokane
Washington	11,98	Washington	Spokane
Washington	11,99	Washington	Spokane
Washington	11,100	Washington	Spokane
Washington	11,101	Washington	Spokane
Washington	11,102	Washington	Spokane
Washington	11,103	Washington	Spokane
Washington	11,104	Texas	Midlerian
Washington	11,105	Washington	Spokane
Texas	207	Houston	Harris, Montgomery
Texas	208	Houston	Harris
Texas	209	Houston	Harris
Texas	210	Houston	Harris
Texas	211	Houston	Harris
Texas

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.

Cite COVID Data Tracker

Centers for Disease Control and Prevention. COVID Data Tracker. Atlanta, GA: US Department of Health and Human Services, CDC; 2023, March 15. https://covid.cdc.gov/covid-data-tracker

COVID-19 Home >

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