

COVID Tabulations: State Testing Rates, Daily New Cases, and Top 25 County Hot Spots

5 Slide Series, Volume 84-d

May 22, 2020

The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction and Overview

- This edition quantifies the distribution of US counties by new confirmed COVID-19 cases May 6 – 13 versus May 13 – 20 and the top 25 county hot spots in terms of cases per capita as of May 20.
 - 52.6% of the US population lives in a county where the number of cases has increased this past week.
- We have also tabulated state-level cumulative case and death counts and testing rates.
 - Less than 4% of the entire US population has been tested for COVID-19 as of May 20.
 - Rhode Island has issued the highest number of tests per capita (11.4% of the population have been tested), followed by North Dakota (7.8%) and New York (7.7%). Of the continental US, Idaho has the lowest percentage of its population tested (2.2%).
 - While 9,601 new deaths occurred during the week of May 13 – 20, this figure is well below the prior week's total (when 14,847 new deaths occurred).

Distribution of US Counties by New Confirmed Cases May 6 – 13 versus May 13 - 20

- 52.6% of the US population lives in a county that reported a higher number of new cases this past week (May 13 – 20) than the previous week (May 6 – 13).
- 47.1% of the US population lives in a county where cases either decreased or remained the same between these two weeks.
 - These 1,689 counties represent 60.7% of all confirmed cases and 66.3% of all deaths in the United States.
- 7.7% of all US counties have reported zero confirmed cases as of May 20. These counties are home to only 0.3% of the US population. Conversely, 99.7% of the US population lives in a county that has reported at least one confirmed case of COVID-19.

	Counties with No Confirmed Cases Through May 20	Counties with More New Cases May 6 - 13 than May 13 - 20	Counties with More New Cases May 13 - 20 than May 6 - 13	Counties with the Same Number of New Cases May 6 - 13 and May 13 - 20
Number of Counties	245	1,136	1,266	553
% of All Counties	7.7%	35.5%	39.6%	17.3%
% Total US Population	0.3%	43.3%	52.6%	3.8%
% Cumulative Cases as of May 20	0.0%	59.9%	39.3%	0.8%
% Cumulative Deaths as of May 20	0.0%	65.7%	33.7%	0.6%

Top 25 County Hot-Spots in Terms of Cases Per 100,000 Population, as of May 20

- Trousdale County in Tennessee has the nation's highest rate of confirmed cases per capita by a wide margin – 12.3% of the county's population has tested positive for the coronavirus.
- Three of these top 25 counties are new to the list this week:
 - Texas County, OK had an outbreak at a food processing plant.
 - McKinley County, NM has seen an outbreak on a Navajo reservation.
 - Moore County, TX had an outbreak in a meat packing plant.
- Five of the top 25 counties, all of which are in New Jersey or New York, have populations well over 100,000 people.

Rank	State	County	Population	Confirmed Cases per 100,000 Population, as of May 20	New Confirmed Cases from May 6 - 13	New Confirmed Cases from May 13 - 20	Percent Change in New Confirmed Cases, May 6 - 13 versus May 13 - 20	Cumulative Deaths through May 20	Percentage Increase in Deaths as of May 20 versus May 13
1	Tennessee	Trousdale	11,284	12,265	26	3	-88%	4	33%
2	Nebraska	Dakota	20,026	7,870	439	123	-72%	17	143%
3	Arkansas	Lincoln	13,024	7,417	59	24	-59%	8	14%
4	Minnesota	Nobles	21,629	6,454	209	105	-50%	2	0%
5	Tennessee	Lake	7,016	5,744	241	103	-57%	-	-
6	Nebraska	Colfax	10,709	5,220	154	113	-27%	2	100%
7	Kansas	Ford	33,619	4,283	353	207	-41%	2	0%
8	Indiana	Cass	37,689	4,155	102	20	-80%	7	40%
9	Tennessee	Bledsoe	15,064	4,029	2	4	100%	1	0%
10	Oklahoma	Texas	19,983	3,958	200	317	59%	4	0%
11	New York	Rockland	325,789	3,938	339	288	-15%	447	4%
12	Ohio	Marion	65,093	3,902	72	121	68%	18	20%
13	Kansas	Finney	36,467	3,738	401	332	-17%	6	50%
14	Kansas	Seward	21,428	3,729	106	67	-37%	1	0%
15	Ohio	Pickaway	58,457	3,471	122	71	-42%	32	28%
16	Nebraska	Dawson	23,595	3,441	77	59	-23%	7	133%
17	New York	Westchester	967,506	3,361	1,184	906	-23%	1,430	5%
18	Nebraska	Saline	14,224	3,150	107	56	-48%	1	0%
19	New York	Bronx	1,418,207	3,082	2,344	1,491	-36%	4,326	4%
20	New Jersey	Passaic	501,826	3,074	786	669	-15%	855	9%
21	Iowa	Louisa	11,035	2,927	10	34	240%	6	100%
22	Virginia	Richmond	9,023	2,915	57	63	11%	4	33%
23	New York	Nassau	1,356,924	2,901	1,237	781	-37%	2,550	3%
24	New Mexico	McKinley	71,367	2,815	344	328	-5%	82	44%
25	Texas	Moore	20,940	2,765	78	53	-32%	12	33%



State Table 1 of 3: Alabama through Maine

State	Cumulative Confirmed Cases, as of May 20	Cumulative Confirmed Cases per 100,000 Population, as of May 20	State Rank, Confirmed Cases per Capita, as of May 20	New Confirmed Cases, May 6 - 13	New Confirmed Cases May 13 - 20	Percent Change in New Confirmed Cases, May 13 - 20 versus May 6 - 13	Total Number of Tests, as of May 20	Percentage of Population Tested, as of May 20	Positive Tests as Percentage of Total Tests	Cumulative COVID-19 Deaths, as of May 20	COVID-19 Deaths per 100,000 Population, as of May 20	State Rank, COVID-19 Deaths per capita, as of May 20	Deaths as a Percentage of Confirmed Cases, as of May 20
Alabama	13,052	266	27	2,009	2,352	17%	164,450	3.4%	8%	522	10.6	25	4%
Alaska	401	55	49	13	18	38%	37,045	5.1%	1%	8	1.1	51	2%
Arizona	14,897	205	35	2,469	2,721	10%	165,435	2.3%	9%	747	10.3	26	5%
Arkansas	5,003	166	41	625	767	23%	96,258	3.2%	5%	107	3.5	45	2%
California	86,125	218	34	12,431	12,907	4%	1,380,120	3.5%	6%	3,514	8.9	29	4%
Colorado	22,769	395	18	2,722	2,327	-15%	131,837	2.3%	17%	1,299	22.6	14	6%
Connecticut	39,017	1,094	5	3,860	4,162	8%	190,718	5.3%	20%	3,529	99.0	3	9%
Delaware	8,194	841	7	1,174	1,242	6%	45,412	4.7%	18%	310	31.8	12	4%
District of Columbia	7,551	1,070	6	1,123	967	-14%	40,419	5.7%	19%	407	57.7	5	5%
Florida	47,463	221	33	4,400	5,069	15%	771,348	3.6%	6%	2,095	9.8	27	4%
Georgia	38,162	359	20	4,142	4,296	4%	402,940	3.8%	10%	1,672	15.7	16	4%
Hawaii	633	45	51	11	6	-45%	46,304	3.3%	1%	17	1.2	50	3%
Idaho	2,506	140	43	167	181	8%	38,567	2.2%	6%	77	4.3	43	3%
Illinois	100,713	795	8	16,710	15,839	-5%	642,713	5.1%	16%	4,547	35.9	10	5%
Indiana	29,986	445	16	3,758	3,942	5%	195,738	2.9%	15%	1,864	27.7	13	6%
Iowa	15,870	503	14	2,885	2,581	-11%	110,748	3.5%	14%	400	12.7	22	3%
Kansas	8,661	297	23	1,659	1,109	-33%	71,203	2.4%	12%	197	6.8	37	2%
Kentucky	8,336	187	37	1,156	1,234	7%	153,986	3.4%	5%	381	8.5	31	5%
Louisiana	35,367	761	9	2,263	2,705	20%	285,970	6.2%	12%	2,608	56.1	6	7%
Maine	1,819	135	46	261	304	16%	37,269	2.8%	5%	73	5.4	39	4%

Yellow highlighting denotes the ten states with the highest per capita rates of cases and deaths.



State Table 2 of 3: Maryland through Rhode Island

State	Cumulative Confirmed Cases, as of May 20	Cumulative Confirmed Cases per 100,000 Population, as of May 20	State Rank, Confirmed Cases per Capita, as of May 20	New Confirmed Cases, May 6 - 13	New Confirmed Cases May 13 - 20	Percent Change in New Confirmed Cases, May 13 - 20 versus May 6 - 13	Total Number of Tests, as of May 20	Percentage of Population Tested, as of May 20	Positive Tests as Percentage of Total Tests	Cumulative COVID-19 Deaths, as of May 20	COVID-19 Deaths per 100,000 Population, as of May 20	State Rank, COVID-19 Deaths per capita, as of May 20	Deaths as a Percentage of Confirmed Cases, as of May 20
Maryland	42,442	702	10	6,664	7,515	13%	215,330	3.6%	20%	2,123	35.1	11	5%
Massachusetts	88,970	1,291	3	8,472	8,473	0%	489,953	7.1%	18%	6,066	88.0	4	7%
Michigan	52,988	531	13	3,259	4,681	44%	437,072	4.4%	12%	5,060	50.7	8	10%
Minnesota	17,679	313	21	4,337	4,763	10%	167,338	3.0%	11%	786	13.9	19	4%
Mississippi	11,967	402	17	1,666	1,877	13%	120,680	4.1%	10%	570	19.2	15	5%
Missouri	11,510	174	40	1,205	1,141	-5%	161,984	2.4%	7%	645	9.7	28	6%
Montana	478	45	50	6	16	167%	29,726	2.8%	2%	16	1.5	49	3%
Nebraska	11,122	575	11	2,301	2,050	-11%	72,135	3.7%	15%	141	7.3	35	1%
Nevada	7,301	237	31	738	819	11%	91,171	3.0%	8%	378	12.3	24	5%
New Hampshire	3,868	284	24	558	569	2%	50,888	3.7%	7%	190	14.0	18	5%
New Jersey	150,399	1,693	2	9,670	8,839	-9%	531,343	6.0%	28%	10,747	121.0	2	7%
New Mexico	6,338	302	22	1,074	974	-9%	142,246	6.8%	4%	283	13.5	21	4%
New York	352,683	1,813	1	19,383	12,956	-33%	1,505,836	7.7%	24%	28,792	148.0	1	8%
North Carolina	20,221	193	36	3,067	4,371	43%	277,603	2.6%	7%	721	6.9	36	4%
North Dakota	2,095	275	25	324	448	38%	59,200	7.8%	4%	49	6.4	38	2%
Ohio	29,437	252	29	4,151	3,710	-11%	289,528	2.5%	10%	1,781	15.2	17	6%
Oklahoma	5,532	140	44	651	680	4%	144,371	3.6%	4%	299	7.6	34	5%
Oregon	3,801	90	47	552	333	-40%	102,149	2.4%	4%	144	3.4	46	4%
Pennsylvania	68,151	532	12	7,205	5,957	-17%	349,700	2.7%	18%	4,794	37.4	9	7%
Rhode Island	13,356	1,261	4	1,630	1,521	-7%	120,528	11.4%	11%	538	50.8	7	4%

Yellow highlighting denotes the ten states with the highest per capita rates of cases and deaths.



State Table 3 of 3: South Carolina through Wyoming (including US Territories and Totals)

State	Cumulative Confirmed Cases, as of May 20	Cumulative Confirmed Cases per 100,000 Population, as of May 20	State Rank, Confirmed Cases per Capita, as of May 20	New Confirmed Cases, May 6 - 13	New Confirmed Cases May 13 - 20	Percent Change in New Confirmed Cases, May 13 - 20 versus May 6 - 13	Total Number of Tests, as of May 20	Percentage of Population Tested, as of May 20	Positive Tests as Percentage of Total Tests	Cumulative COVID-19 Deaths, as of May 20	COVID-19 Deaths per 100,000 Population, as of May 20	State Rank, COVID-19 Deaths per capita, as of May 20	Deaths as a Percentage of Confirmed Cases, as of May 20
South Carolina	9,175	178	39	1,094	1,145	5%	135,063	2.6%	7%	407	7.9	33	4%
South Dakota	4,177	472	15	953	445	-53%	30,389	3.4%	14%	46	5.2	40	1%
Tennessee	18,534	271	26	2,524	2,273	-10%	354,013	5.2%	5%	309	4.5	42	2%
Texas	52,183	180	38	8,381	8,361	0%	770,241	2.7%	7%	1,438	5.0	41	3%
Utah	7,717	241	30	1,019	1,093	7%	179,664	5.6%	4%	90	2.8	47	1%
Vermont	944	151	42	21	15	-29%	25,058	4.0%	4%	54	8.7	30	6%
Virginia	32,908	386	19	6,490	6,162	-5%	212,626	2.5%	15%	1,074	12.6	23	3%
Washington	20,179	265	28	1,891	1,575	-17%	293,120	3.8%	6%	1,045	13.7	20	5%
West Virginia	1,567	87	48	128	162	27%	80,641	4.5%	2%	69	3.9	44	4%
Wisconsin	13,574	233	32	2,002	2,671	33%	167,713	2.9%	8%	481	8.3	32	4%
Wyoming	787	136	45	57	99	74%	18,840	3.3%	4%	11	1.9	48	1%
50 states + DC	1,548,608	471		165,311	160,423	-3%	12,634,629	3.8%	12%	93,521	28.4		6%
Territories													
American Samoa	-	-		-	-	-	124	0.2%	-	-	-		0%
Guam	1,123	667		3	2	-33%	4,972	3.0%	3%	6	3.6		1%
Northern Mariana Islands	21	36		4	2	-50%	3,817	6.6%	1%	2	3.5		10%
Puerto Rico	2,866	95		361	537	49%	2,866	0.1%	100%	125	4.1		4%
Virgin Islands	69	66		3	-	(1.00)	1,383	1.3%	0.05	6	5.7		9%
Territories Subtotal	4,079	119		371	541	46%	13,162	0.4%	24%	139	4.1		3%
United States and Territories	1,552,687	467		165,682	160,964	-3%	12,647,791	3.8%	12%	93,660	28.2		6%

The Menges Group

State-Level Findings

- The average number of new cases per day decreased 3% this past week but remains very high. There were 22,995 average new cases per day May 13 – 20, as compared to 23,669 average new cases per day the previous week.
 - The number of new cases was **higher** this week than the previous week in 30 states, which are home to 54% of the total US population.
 - The 5 states with the sharpest **increase** in confirmed cases per day are Montana (167% increase, although there were only 16 new cases), Wyoming (74%), Michigan (44%), North Carolina (43%), and Alaska (38% although there were only 18 new cases).
 - The 5 states with the sharpest **decrease** in confirmed cases are South Dakota (53% decrease), Hawaii (45%), Oregon (40%), New York (33%), and Kansas (33%).
- As of May 20, 12.6 million COVID tests have been administered, indicating that only 3.8% of the US population has been tested. Among those tested, 12% have tested positive.
- 9,601 new deaths were attributed to COVID during the week of May 13-20, bringing the national total to 93,660 as of May 20. It is encouraging that 5,241 fewer new deaths occurred this week than the previous week. Total deaths to date in the US represent 6% of confirmed cases.

5 Slide Series Overview

Our 5 Slide Series is a monthly publication whereby we briefly discuss/address a selected topic outside the confines of our client engagements. The Menges Group has a variety of datasets that we use to support our 5 Slide Series and client projects.

To be added to our list to receive these as they are published (or to be removed), please email us at pcall@themengesgroup.com.

If you have questions about the content or data sources we have available, please email us at jmenges@themengesgroup.com or call 571-312-2360.

Address: 4001 9th Street N., Suite 227, Arlington, VA 22203

Website: www.themengesgroup.com

The Menges Group