

County-Level COVID-19 Cases and Deaths, April 8-22

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The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction

- This edition tabulates the distribution of US counties by confirmed COVID-19 cases and COVID-attributed deaths from April 15-22, comparing these figures to the prior seven-day period (April 8-15).
- We show percent change in the number of cases and deaths for the 25 counties with the highest number of cumulative confirmed cases per 100,000 population as of April 22 and for the 25 counties with the largest overall population.
- A key finding involved tabulating the proportion of Americans who reside in counties where the volume of new cases has dropped during the past week (52.2%), versus the proportion residing in counties where new cases have continued to trend upwards (42.5%). The remaining 5% of the population resides in counties where the number of new cases stayed the same this past week versus the prior week.
- Another interesting finding is that 4 of the top 5 hotspot counties as of April 22 were not among the top 25 counties as of April 15. Prison outbreaks of the virus were a key causal factor in three of these counties.

Distribution of US Counties by New Confirmed Cases April 8-15 and April 15-22

- The majority of Americans (52%) reside in counties that may have moved past their peak regarding new confirmed cases per week.
 - However, 42% of the USA population lives in counties with more new confirmed cases April 15-22 than April 8-15.
- The number of counties with no confirmed cases dropped from 604 (18.9% of all counties) on April 15 to 398 (12.4%) April 22, showing the continued spread of the virus into rural areas. These 398 counties collectively hold just 0.7% of the US population.

	Counties with No Confirmed Cases Through April 22	Counties with More New Cases April 8-15 than April 15-22	Counties with More New Cases April 15-22 than April 8-15	Counties with the Same Number of New Cases April 8-15 as April 15-22
Number of Counties	398	1,265	1,067	470
% of All Counties	12.4%	39.5%	33.3%	14.7%
% Total US Population	0.7%	52.2%	42.5%	4.5%
% Cumulative Cases as of April 22	0.0%	63.4%	35.6%	1.1%
% Cumulative Deaths as of April 22	0.0%	69.6%	29.4%	0.9%

Distribution of US Counties by Deaths April 8-15 and April 15-22

- 592 counties reported more deaths during April 15-22 than the prior week. These counties represent 18.5% of all US counties and collectively hold 44.5% of the US population.
- 464 counties experienced a *decrease* in the number of COVID-attributed deaths from April 15-22 relative to the prior week. These counties collective hold 33.6% of the US population.
- 268 counties reported their first COVID-attributed death this past week, as the number of counties with no deaths fell from 2,111 April 15 to 1,843 April 22.

	Counties With No Deaths Through April 22	Counties with More New Deaths April 8-15 than April 15-22	Counties with More New Deaths April 15-22 than April 8-15	Counties with the Same Number of New Deaths April 8-15 as April 15-22
Number of Counties	1,843	464	592	301
% of All Counties	57.6%	14.5%	18.5%	9.4%
% Total US Population	12.9%	33.6%	44.5%	9.0%
% Cumulative Cases as of April 22	2.4%	49.6%	44.6%	3.4%
% Cumulative Deaths as of April 22	0.0%	55.3%	42.1%	2.6%

Top 25 Counties in Terms of Confirmed Cases per 100,000 Population, April 22

- 4 of the top 5 hotspot counties are new to the top 25 this week (ranking 1, 2, 4, and 5).
- COVID outbreaks in local prisons made Lincoln County, Arkansas, Marion County, Ohio, and Pickaway County, Ohio three of the top 5 hot spot counties as of April 22.
 - Both Ohio prisons are filled far beyond their designed capacity, and more than 80% of inmates in both prisons have tested positive for COVID-19.
- The increase in cases that brought El Paso County, Colorado to the top 5 densest counties is said to be attributed to a change in state reporting practices rather than a significant increase in positive cases.
- These top 25 counties represent 3.7% of the entire US population but held 15% of all cases.

Ranking	State	County	Population	Confirmed Cases per 100,000 Population as of April 22	New Confirmed Cases from April 8-15	New Confirmed Cases from April 15-22	Percent Change in New Confirmed Cases, April 15-22 versus April 8-15	Cumulative Deaths through April 22	Percentage Increase in Deaths as of April 22 versus April 15
1	Arkansas	Lincoln	13,024	3,931	50	451	802%	-	
2	Ohio	Marion	65,093	3,283	132	1,973	1,395%	3	
3	New York	Rockland	325,789	2,977	2,061	1,225	-41%	309	46%
4	Colorado	El Paso	26,729	2,896	196	106	-46%	54	26%
5	Ohio	Pickaway	58,457	2,836	137	1,486	985%	5	
6	New York	Westchester	967,506	2,612	5,060	4,328	-14%	932	32%
7	New York	Manhattan	741,770	2,400	4,677	2,264	-52%	1,359	47%
8	New York	Monroe	49,221	2,259	233	228	-2%	72	50%
9	Iowa	Louisa	11,035	2,256	136	83	-39%	2	
10	New York	Bronx	1,418,207	2,250	9,219	6,273	-32%	2,272	30%
11	New York	Richmond	476,143	2,222	3,720	1,760	-53%	500	36%
12	Georgia	Randolph	6,778	2,184	44	17	-61%	17	143%
13	Idaho	Blaine	23,021	2,072	35	14	-60%	5	0%
14	New York	Suffolk	1,476,601	1,954	7,434	5,576	-25%	959	45%
15	New York	Queens	2,253,858	1,944	10,016	7,604	-24%	3,114	34%
16	New York	Nassau	1,628,706	1,937	8,167	4,840	-41%	1,764	37%
17	New Jersey	Union	556,341	1,884	2,607	3,046	17%	481	79%
18	New Jersey	Passaic	501,826	1,872	2,378	2,642	11%	327	80%
19	Georgia	Terrell	8,531	1,864	42	22	-48%	18	64%
20	Georgia	Early	10,190	1,806	48	39	-19%	12	100%
21	New Jersey	Hudson	672,391	1,790	3,074	3,528	15%	568	82%
22	New York	Orange	384,940	1,742	1,851	989	-47%	183	36%
23	Georgia	Dougherty	87,956	1,682	319	159	-50%	106	26%
24	Louisiana	St. John the Baptist	42,837	1,643	137	135	-1%	57	21%
25	Louisiana	Orleans	390,144	1,591	699	440	-37%	367	28%

Top 25 Counties in Terms of Total US Population, April 22

- These 25 largest counties represent 21% of the entire US population. These counties accounted for 27.3% of all confirmed cases and 31.7% of all COVID deaths as of April 22.
- Collectively, these large counties experienced a 47% *increase* in the number of deaths from April 15-22 despite an average 12% *decrease* in new cases in the same timeframe.
- 15 of these 25 counties experienced a *decrease* in the number of confirmed cases in April 15-22 timeframe as compared to the prior week.

Ranking	State	County	Population	Confirmed Cases per 100,000 Population as of April 22	New Confirmed Cases from April 8-15	New Confirmed Cases from April 15-22	Percent Change in New Confirmed Cases, April 15-22 versus April 8-15	Cumulative Deaths through April 22	Percentage Increase in Deaths as of April 22 versus April 15
1	California	Los Angeles	10,039,107	164	2,966	5,939	100%	729	81%
2	Illinois	Cook	5,150,233	477	6,786	7,240	7%	1,072	70%
3	Texas	Harris	4,713,325	111	1,756	1,114	-37%	80	38%
4	Arizona	Maricopa	4,485,414	63	587	700	19%	97	62%
5	California	San Diego	3,338,330	75	482	479	-1%	96	60%
6	California	Orange	3,175,692	55	360	377	5%	34	55%
7	Florida	Miami-Dade	2,716,940	374	2,606	2,086	-20%	240	55%
8	Texas	Dallas	2,635,516	102	662	697	5%	65	51%
9	New York	Kings	2,559,903	1,467	9,699	6,285	-35%	3,040	39%
10	California	Riverside	2,470,546	125	926	979	6%	99	83%
11	Nevada	Clark	2,266,715	142	681	659	-3%	150	30%
12	New York	Queens	2,253,858	1,944	10,016	7,604	-24%	3,114	34%
13	Washington	King	2,252,782	242	1,009	752	-25%	381	21%
14	California	San Bernardino	2,180,085	68	355	493	39%	67	72%
15	Texas	Tarrant	2,102,515	68	402	440	9%	44	47%
16	Texas	Bexar	2,003,554	56	387	225	-42%	39	5%
17	Florida	Broward	1,952,778	217	998	865	-13%	141	50%
18	California	Santa Clara	1,927,852	102	413	169	-59%	95	44%
19	Michigan	Wayne	1,749,343	832	2,918	2,017	-31%	1,319	49%
20	California	Alameda	1,671,329	75	288	277	-4%	43	19%
21	New York	New York	1,628,706	1,093	4,677	2,264	-52%	1,359	47%
22	Massachusetts	Middlesex	1,611,699	626	3,136	3,413	9%	494	124%
23	Pennsylvania	Philadelphia	1,584,064	672	2,985	3,202	7%	419	89%
24	California	Sacramento	1,552,058	63	274	118	-57%	36	13%
25	Florida	Palm Beach	1,496,770	160	594	585	-2%	131	22%

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.

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