

Are We There Yet? State Progression of New COVID-19 Cases Showing Where We Have (and Haven't) Crested Peak Volume

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The Menges Group

Strategic Health Policy & Care Coordination Consulting

Introduction and Overview

- This edition quantifies state-level growth in COVID-19 confirmed cases across the past two months.
- We tabulated changes in the **raw number of new confirmed cases** at the county level comparing this week with the previous week, showing that 53% of Americans reside in counties where the volume of new cases increased from April 22-29 versus the week of April 15-22.
- Additionally, we calculated the **average daily rate of new confirmed cases** in half-month increments. 22 states (collectively with 40% of USA population) experienced their highest rate of case growth in the first half of April and 28 states plus DC (collectively with 60% of USA population) experienced their highest rate in the second half of April.

Distribution of US Counties by New Confirmed Cases April 15-22 versus April 22-29

- The majority of Americans (53%) reside in counties where new confirmed cases increased this week versus the prior week.
 - 42% of the US population lives in counties where the number of new confirmed cases decreased April 22-29 relative to the prior week (April 15-22). A majority of the nation's cases (58%) and COVID deaths (65%) to date have occurred in these counties that may have crested their peak in new cases per day.
- 338 counties had no confirmed cases as of April 29. However, these counties collectively hold just 0.6% of the US population.

	Counties with No Confirmed Cases Through April 29	Counties with More New Cases April 15-22 than April 22-29	Counties with More New Cases April 22-29 than April 15-22	Counties with the Same Number of New Cases April 15-22 as April 22-29
Number of Counties	338	1,013	1,308	541
% of All Counties	10.6%	31.7%	40.9%	16.9%
% Total US Population	0.6%	42.1%	53.2%	4.2%
% Cumulative Cases as of April 29	0.0%	58.4%	40.9%	0.6%
% Cumulative Deaths as of April 29	0.0%	65.5%	34.1%	0.4%

State Table 1 of 3: Alabama through Maine

Blue shading denotes time period when the average volume of new confirmed cases per day has been highest.

State or Jurisdiction	Average Number of New Confirmed Cases Per Day				Raw Increase (Decrease) in New Cases Per Day, Second Half of April Versus First Half of April	Percentage Change in New Cases Per Day, Second Half of April Versus First Half of April
	March 1-15	March 16-31	April 1-15	April 16-29		
Alabama	2	61	216	192	(24)	-11%
Alaska	0	8	11	4	(6)	-58%
Arizona	1	80	178	231	54	30%
Arkansas	1	38	65	115	50	76%
California	30	507	1,235	1,557	322	26%
Colorado	9	178	353	457	104	30%
Connecticut	2	194	775	858	83	11%
Delaware	0	20	113	189	76	67%
District of Columbia	1	30	113	136	23	20%
Florida	7	415	1,052	761	(291)	-28%
Georgia	6	252	697	694	(3)	0%
Hawaii	0	14	20	6	(14)	-71%
Idaho	0	33	65	23	(42)	-65%
Illinois	6	372	1,237	1,839	602	49%
Indiana	1	134	452	588	135	30%
Iowa	1	30	100	346	246	247%
Kansas	1	27	71	164	93	130%
Kentucky	1	36	118	155	37	31%
Louisiana	7	321	1,114	408	(706)	-63%
Maine	1	18	31	20	(11)	-34%

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State Table 2 of 3: Maryland through Rhode Island

Blue shading denotes time period when the average volume of new confirmed cases per day has been highest.

State or Jurisdiction	Average Number of New Confirmed Cases Per Day				Raw Increase (Decrease) in New Cases Per Day, Second Half of April Versus First Half of April	Percentage Change in New Cases Per Day, Second Half of April Versus First Half of April
	March 1-15	March 16-31	April 1-15	April 16-29		
Maryland	2	102	558	773	215	38%
Massachusetts	11	404	1,553	2,168	614	40%
Michigan	4	474	1,351	891	(460)	-34%
Minnesota	2	37	79	202	123	156%
Mississippi	1	58	161	229	68	42%
Missouri	0	84	236	191	(46)	-19%
Montana	0	12	14	3	(10)	-76%
Nebraska	1	11	53	206	153	289%
Nevada	2	68	140	123	(17)	-12%
New Hampshire	1	22	51	65	14	27%
New Jersey	7	1,162	3,489	3,231	(258)	-7%
New Mexico	1	19	78	124	46	58%
New York	49	4,608	9,238	6,003	(3,236)	-35%
North Carolina	2	94	240	345	105	44%
North Dakota	0	8	16	48	32	198%
Ohio	2	135	373	679	307	82%
Oklahoma	1	35	113	86	(27)	-24%
Oregon	3	41	65	56	(9)	-14%
Pennsylvania	5	308	1,454	1,385	(69)	-5%
Rhode Island	1	36	177	357	180	102%

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

Blue shading denotes time period when the average volume of new confirmed cases per day has been highest.

State or Jurisdiction	Average Number of New Confirmed Cases Per Day				Raw Increase (Decrease) in New Cases Per Day, Second Half of April Versus First Half of April	Percentage Change in New Cases Per Day, Second Half of April Versus First Half of April
	March 1-15	March 16-31	April 1-15	April 16-29		
South Carolina	2	66	172	159	(13)	-7%
South Dakota	1	6	71	86	15	22%
Tennessee	3	116	265	317	51	19%
Texas	5	220	834	838	4	0%
Utah	2	54	111	139	28	26%
Vermont	1	19	30	7	(23)	-76%
Virginia	3	75	350	604	254	73%
Washington	44	274	381	257	(125)	-33%
West Virginia	-	10	38	28	(10)	-27%
Wisconsin	2	82	158	200	42	27%
Wyoming	0	7	11	8	(3)	-26%
American Samoa	-	-	-	-	-	NA
Guam	0	9	41	26	(15)	-37%
Northern Mariana Islands	-	0	1	0	(1)	-90%
Puerto Rico	0	15	49	33	(16)	-33%
Virgin Islands	0	2	1	1	(0)	-23%
United States Total Including Territories	235	11,437	29,970	28,610	(1,360)	-5%

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State-Level Findings

- The recent volume of new cases has been quite high throughout April (approximately 30,000 per day nationally), notwithstanding the strong efforts much of the population has made with social distancing during March and April. In 25 states, the volume of new confirmed cases per day during the second half of April was **more than triple** the volume that occurred during the second half of March.
- The 5 states experiencing the sharpest **decrease** in the average number of confirmed cases per day during the second half of April versus the first half of April are Vermont (76% reduction), Montana (76%), Hawaii (71%), Idaho (65%), and Louisiana (63%).
- The 5 states experiencing the sharpest **increase** in the average number of confirmed cases per day during the second half of April versus the first half of the month are geographically clustered and include Nebraska (289% increase), Iowa (247%), North Dakota (198%), Minnesota (156%), and Kansas (130%).

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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