

# COVID Tabulations: Recent Death Rate Trends at State and County Levels

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**The Menges Group**

Strategic Health Policy & Care Coordination Consulting

# Introduction and Overview

- This edition quantifies each state's recent progression of COVID-19 deaths.
- Nationally, new deaths during the 7-day timeframe September 3-10 (4,839 or an average of 691 per day) were 19% lower than during the prior week.
- New COVID deaths decreased this past week (relative to the previous week) in 32 states, increased in 15 states plus the District of Columbia, and remained constant in 3 states.
  - The five states with the largest decrease in deaths this past week were Texas (332 fewer deaths), California (204), Georgia (133), Florida (106), and Alabama (89).
- The five states with the largest percentage of its cumulative deaths as of September 10 occurring during the past two weeks are Hawaii (42%), West Virginia (23%), Arkansas (21%), Montana (20%), and Tennessee (16%).
- This edition also tabulates the progression of new deaths at the county level during the past two weeks (from August 27 to September 3 and from September 3 to September 10), and identifies counties with the largest per capita death rates to date and during the past week.

# Recent Trends in State COVID Deaths, Alabama through Kansas

- Among the states on this table, California, Florida, and Georgia all experienced large absolute reductions in deaths this past week (relative to the previous week).
- States with large percentage increases in COVID deaths this past week tend to have a small weekly volume of deaths.
- Alaska and Hawaii have the nation's lowest per capita COVID death rates to date. However, 42% of Hawaii's COVID deaths have occurred during the past two weeks.

State	Cumulative COVID Deaths as of Sep 10	New COVID Deaths			Deaths Per 100,000 Population as of Sep 10	Rank, Deaths Per 100,000 Population	Rank, Population Per Square Mile	Percent of Cumulative Deaths Occurring During Past Two Weeks
		Aug 27 - Sep 3	Sep 4 - Sep 10	Percent Change				
Alabama	2,301	157	68	-57%	47	20	28	9.8%
Alaska	39	3	2	-33%	5	51	51	12.8%
Arizona	5,275	201	142	-29%	72	9	33	6.5%
Arkansas	940	122	79	-35%	31	30	35	21.4%
California	14,094	801	597	-25%	36	25	12	9.9%
Colorado	1,988	26	25	-4%	35	26	38	2.6%
Connecticut	4,478	3	10	233%	126	4	5	0.3%
Delaware	613	2	7	250%	63	13	7	1.5%
District of Columbia	616	4	7	75%	87	8	1	1.8%
Florida	12,325	782	676	-14%	57	16	9	11.8%
Georgia	6,062	460	327	-29%	57	17	18	13.0%
Hawaii	93	24	15	-38%	7	50	14	41.9%
Idaho	407	32	32	0%	23	36	45	15.7%
Illinois	8,480	141	133	-6%	67	11	13	3.2%
Indiana	3,410	66	78	18%	51	18	17	4.2%
Iowa	1,207	46	70	52%	38	23	37	9.6%
Kansas	499	29	24	-17%	17	42	42	10.6%

# Recent Trends in State COVID Deaths, Kentucky through North Carolina

- Several northeastern states have the nation's highest cumulative COVID per capita death rates to date.
- However, most states in the northeastern region have experienced very low numbers of deaths during the past two weeks. For example, New York and New Jersey together represent 9% of the overall USA population but have accounted for only 2% of the most recent week's COVID deaths.

State	Cumulative COVID Deaths as of Sep 10	New COVID Deaths			Deaths Per 100,000 Population as of Sep 10	Rank, Deaths Per 100,000 Population	Rank, Population Per Square Mile	Percent of Cumulative Deaths Occurring During Past Two Weeks
		Aug 27 - Sep 3	Sep 4 - Sep 10	Percent Change				
Kentucky	1,073	84	52	-38%	24	35	24	12.7%
Louisiana	5,161	147	140	-5%	111	5	26	5.6%
Maine	134	1	1	0%	10	47	40	1.5%
Maryland	3,824	56	46	-18%	63	12	6	2.7%
Massachusetts	9,166	69	89	29%	133	3	4	1.7%
Michigan	6,894	86	100	16%	69	10	19	2.7%
Minnesota	1,936	34	47	38%	34	27	31	4.2%
Mississippi	2,656	137	120	-12%	89	7	34	9.7%
Missouri	1,749	97	90	-7%	28	33	29	10.7%
Montana	123	13	12	-8%	12	46	49	20.3%
Nebraska	440	16	30	88%	23	37	44	10.5%
Nevada	1,432	92	66	-28%	46	21	43	11.0%
New Hampshire	434	1	2	100%	32	28	22	0.7%
New Jersey	16,014	50	43	-14%	180	1	2	0.6%
New Mexico	816	27	25	-7%	39	22	46	6.4%
New York	32,612	61	54	-11%	168	2	8	0.4%
North Carolina	3,016	175	187	7%	29	31	15	12.0%

# Recent Trends in State COVID Deaths, North Dakota through Wyoming (including USA totals)

- New deaths during the past week are 19% lower nationwide than during the previous week. While this is encouraging, the USA has been on this type of downslope before, only to experience a resurgence in cases and deaths.
- 5.6% of nationwide COVID deaths have occurred during the past two weeks.
- COVID deaths per capita are often (but not always) correlated well with population density.

State	Cumulative COVID Deaths as of Sep 10	New COVID Deaths			Deaths Per 100,000 Population as of Sep 10	Rank, Deaths Per 100,000 Population	Rank, Population Per Square Mile	Percent of Cumulative Deaths Occurring During Past Two Weeks
		Aug 27 - Sep 3	Sep 4 - Sep 10	Percent Change				
North Dakota	163	11	9	-18%	21	39	48	12.3%
Ohio	4,354	150	128	-15%	37	24	11	6.4%
Oklahoma	876	57	41	-28%	22	38	36	11.2%
Oregon	501	31	26	-16%	12	45	39	11.4%
Pennsylvania	7,894	103	89	-14%	62	14	10	2.4%
Rhode Island	1,067	11	12	9%	101	6	3	2.2%
South Carolina	2,975	179	168	-6%	58	15	20	11.7%
South Dakota	177	7	8	14%	20	41	47	8.5%
Tennessee	1,963	141	172	22%	29	32	21	15.9%
Texas	13,998	943	611	-35%	48	19	25	11.1%
Utah	431	12	15	25%	13	44	41	6.3%
Vermont	58	-	-	NA	9	48	32	0.0%
Virginia	2,708	125	56	-55%	32	29	16	6.7%
Washington	2,074	56	40	-29%	27	34	23	4.6%
West Virginia	257	38	20	-47%	14	43	30	22.6%
Wisconsin	1,202	34	47	38%	21	40	27	6.7%
Wyoming	42	4	1	-75%	7	49	50	11.9%
<b>United States (excluding territories)</b>	<b>191,047</b>	<b>5,947</b>	<b>4,839</b>	<b>-19%</b>	<b>58</b>			<b>5.6%</b>

# Top 20 Counties by Cumulative COVID Deaths per 100,000 Population, as of September 10

- This table presents COVID deaths per 100,000 population among counties with more than 100,000 residents, as of September 10.
- 10 of the 20 hardest hit counties to date are in New Jersey, along with all 5 counties comprising New York City (including each of the top 3).
- These 20 counties account for 5% of the total USA population and 22% of nationwide COVID deaths to date.

Rank	State	County	Population	Cumulative COVID Deaths Through September 10	Deaths per 100,000 Population, as of September 10
1	New York	Bronx	1,418,207	4,929	348
2	New York	Queens	2,253,858	7,233	321
3	New York	Kings	2,559,903	7,299	285
4	New Jersey	Essex	798,975	2,121	265
5	New Jersey	Passaic	501,826	1,248	249
6	New Jersey	Union	556,341	1,354	243
7	New York	Richmond	476,143	1,085	228
8	New Jersey	Hudson	672,391	1,512	225
9	New Jersey	Bergen	932,202	2,040	219
10	Arizona	Navajo	110,924	225	203
11	New York	Manhattan	1,628,706	3,178	195
12	Texas	Cameron	423,163	824	195
13	New Jersey	Somerset	328,934	568	173
14	New Jersey	Middlesex	825,062	1,423	172
15	New Jersey	Mercer	367,430	633	172
16	New Jersey	Ocean	607,186	1,034	170
17	New Jersey	Morris	491,845	831	169
18	Michigan	Wayne	1,749,343	2,941	168
19	California	Imperial	181,215	302	167
20	Massachusetts	Hampden	466,372	762	163



# Top 20 County Hotspots by New COVID Deaths per 100,000 Population During Past Week

- This table also focuses on counties with at least 100,000 residents, identifying those counties with the highest per capita COVID death rate from September 3 to September 10.
- Among these top 20 counties, 16 are in southern states with Florida having 5, Georgia and Texas 3, and Louisiana and South Carolina 2.
- These 20 counties represent 2% of the US population and 11% of the new COVID deaths occurring nationwide between September 3 and September 10.

Rank	State	County	Population	New Deaths, September 3 - 10	New Deaths per 100,000, September 3 - 10
1	Texas	Hidalgo	868,707	101	11.63
2	Georgia	Bibb	153,159	15	9.79
3	Florida	Marion	365,579	35	9.57
4	South Carolina	Florence	138,293	13	9.40
5	Georgia	Newton	111,744	10	8.95
6	Texas	Cameron	423,163	31	7.33
7	Florida	Miami-Dade	2,716,940	189	6.96
8	Florida	Okaloosa	210,738	14	6.64
9	North Carolina	Rowan	142,088	9	6.33
10	Florida	Citrus	149,657	9	6.01
11	South Carolina	Anderson	202,558	12	5.92
12	Indiana	LaPorte	109,888	6	5.46
13	California	Stanislaus	550,660	30	5.45
14	Florida	Hernando	193,920	10	5.16
15	Texas	Webb	276,652	14	5.06
16	Ohio	Columbiana	101,883	5	4.91
17	Louisiana	Bossier	127,039	6	4.72
18	Georgia	Muscogee	195,769	9	4.60
19	Illinois	Madison	262,966	12	4.56
20	Louisiana	Terrebonne	110,461	5	4.53

# Distribution of US Counties by Progression of COVID Deaths Over the Last Two Weeks

	Counties with No Deaths Through Sept 10	Counties with More New Deaths Aug 27 - Sept 3 than Sept 3 - 10	Counties with More New Deaths Sept 3 - 10 than Aug 27 - Sept 3	Counties with the Same Number of New Deaths Aug 27 - Sept 3 and Sept 3 - 10
Number of Counties	626	758	567	1,242
% of All Counties	19.6%	23.7%	17.8%	38.9%
% Total US Population	1.8%	49.2%	27.9%	20.2%
% Cumulative Deaths as of Sept 10	0.0%	52.8%	33.2%	14.0%

- 49.2% of the US population lives in a county where the number of new deaths **decreased** September 3 – 10 versus the previous week. These counties represent 52.8% of the USA’s cumulative COVID deaths to date.
- 27.9% of the US population lives in a county that reported more new deaths from September 3 – 10 versus the previous week. These counties account for 33.2% of cumulative COVID deaths as of September 10.
- 1,008 counties reported no new deaths during each of the past two weeks, 626 of which are yet to report any COVID deaths to date.

**The Menges Group**



# 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. Since March, we have produced new editions each week tracking the COVID pandemic. The Menges Group has developed a variety of datasets that we use to support our 5 Slide Series and client projects.

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