

COVID Tabulations: The US COVID Death Rate Compared Internationally and US State Level Testing, Cases, and Deaths

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Introduction

- This edition compares the COVID-19 death rate in the United States to Organization for Economic Co-Operation and Development (OECD) countries around the world.
 - The OECD consists of 37 member countries that work together to provide data and set international standards for a number of health, education, economic, and other social indicators.
 - The USA COVID-19 death rate is 78% higher than the aggregate COVID-19 death rate for other OECD countries.
- We also tabulated new tests, cases, and deaths over the past four weeks at a state level. July has been a “giant leap backwards” month in the USA, with the pandemic worsening across most of the country.
 - The USA experienced nearly twice as many COVID deaths (94% more) during the last week of July than occurred during the first week of July.

COVID Death Rate: OECD Classification versus the United States

- There are 37 member countries of the Organization for Economic Co-Operation and Development (OECD), including the USA. These high-income countries are generally also highly developed, making them a useful comparison group to the United States.
- The USA COVID death rate is 78% higher than the aggregate across the other OECD countries.
 - The USA has the 8th highest COVID death rate per 100,000 population of the 37 OECD countries (44.5 per 100,000 population). Belgium has the highest COVID death rate at 86 per 100,000 population.
- The USA's COVID death rate as of July 25 was more than 6 times the rest of the world's collective COVID death rate.

Part of OECD?	Total Population	COVID Deaths as of July 25	Deaths Per 100,000 Population as of July 25	Death Rate as a Percentage of US Death Rate
Not OECD Country	6,019,199,630	237,249	3.9	8.9%
USA	327,143,178	145,546	44.5	100.0%
OECD Country (non-USA)	1,025,089,639	256,848	25.1	56.3%
World Total	7,371,432,447	639,643	8.7	19.5%
Rest of World (non-USA)	7,044,289,269	494,097	7.0	15.8%

More information on OECD countries can be found here <http://www.oecd.org/about/>.

COVID Death Rate: Each Continent versus the United States

- If the United States were a single continent, it would have a **higher** death rate than all other continents and the second largest raw number of COVID deaths.
- The COVID death rate in the remainder of North America (not including the United States) is roughly half of the USA's COVID death rate.
 - The USA has **three times** as many deaths as the combined total across all other countries in North America.

Continent	Number of Countries	Total Population	COVID Deaths as of July 25	Deaths Per 100,000 Population as of July 25	Death Rate as a Percentage of US Death Rate
Africa	50	1,217,283,575	17,171	1.4	3.2%
Asia	38	4,503,683,781	99,174	2.2	4.9%
Europe	46	619,513,575	189,178	30.5	68.6%
North America (non-USA)	16	250,311,396	57,440	22.9	51.6%
Australia/Oceania	2	29,888,889	167	0.6	1.3%
South America	12	423,608,053	130,967	30.9	69.5%
USA	1	327,143,178	145,546	44.5	100.0%
World Total	165	7,371,432,447	639,643	8.7	19.5%

Note that there are more than 190 countries and that the worldwide population is approximately 7.8 billion. The 165 countries in this analysis are those where COVID data have been reported via the Johns Hopkins School of Medicine at this website: <https://coronavirus.jhu.edu/data/mortality>. These countries capture approximately 95% of the world population.

Table 1 of 3: COVID Tests, Cases, and Deaths Over the Past Four Weeks, Alabama through Maine

State	New Tests per 100,000 Population				New Cases per 100,000 Population				New Deaths per 100,000 Population			
	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29
Alabama	1,108.2	1,483.9	1,395.8	1,199.0	163.2	246.9	260.0	244.1	1.8	3.1	3.1	3.5
Alaska	2,597.4	3,101.9	3,997.0	5,239.7	40.7	66.4	90.1	112.5	0.4	-	0.3	0.4
Arizona	1,256.7	1,303.7	1,071.9	1,201.4	337.4	311.9	264.4	243.2	3.4	6.4	7.3	6.8
Arkansas	1,272.9	1,408.4	1,472.9	1,835.1	134.2	167.4	164.0	189.6	0.9	1.0	1.5	1.8
California	1,877.9	2,017.4	2,204.7	2,158.9	143.1	149.8	169.6	165.3	1.4	1.7	1.7	2.2
Colorado	652.4	780.0	823.3	951.2	37.7	53.0	60.9	71.9	0.2	0.7	0.5	0.9
Connecticut	1,576.1	1,953.7	1,647.8	2,562.8	15.0	14.8	16.5	36.9	0.5	1.0	0.7	0.5
Delaware	1,812.6	1,474.1	1,647.7	1,805.7	97.8	60.4	76.2	83.2	0.6	0.6	0.6	5.5
District of Columbia	2,019.7	3,351.8	3,064.5	2,901.5	39.2	54.4	71.3	66.6	1.6	1.0	1.3	0.6
Florida	1,582.4	1,935.7	1,949.7	1,732.3	301.6	363.3	362.3	334.3	1.6	2.9	3.8	4.6
Georgia	1,369.2	1,455.9	1,524.5	1,842.4	159.6	203.5	197.5	230.1	0.9	1.5	2.2	2.8
Hawaii	567.7	738.8	750.4	662.3	11.8	13.8	10.0	30.3	0.1	0.1	0.2	0.1
Idaho	1,135.4	1,263.7	1,122.3	1,067.2	146.9	201.2	212.4	191.1	0.3	0.7	1.4	2.2
Illinois	1,630.3	1,870.6	2,122.3	2,053.6	43.5	58.4	68.6	77.5	1.2	0.9	0.9	0.9
Indiana	685.4	753.6	1,007.5	1,037.2	47.4	65.2	80.6	86.0	1.2	0.8	1.2	1.0
Iowa	1,158.8	1,298.3	1,240.0	1,149.8	98.2	121.1	116.4	108.2	0.7	1.2	1.2	1.3
Kansas	868.7	1,060.4	1,006.1	558.2	91.5	115.0	110.5	96.1	0.4	0.6	0.5	0.9
Kentucky	869.2	968.4	1,340.5	1,102.7	46.8	65.9	90.0	96.5	0.8	0.8	0.7	1.0
Louisiana	2,444.7	2,913.9	3,263.2	3,059.5	214.5	300.8	327.5	288.7	2.2	2.6	4.5	4.6
Maine	1,167.7	1,115.4	1,271.2	1,269.1	12.3	8.8	10.8	10.6	0.4	0.3	0.3	0.2

Yellow highlighting denotes the top 10 values in each category. Pink highlighting denotes the bottom 10 values in each category.



Table 2 of 3: COVID Tests, Cases, and Deaths Over the Past Four Weeks, Maryland through Rhode Island

State	New Tests per 100,000 Population				New Cases per 100,000 Population				New Deaths per 100,000 Population			
	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29
Maryland	1,000.8	1,273.3	1,699.5	1,590.0	48.8	68.2	85.4	101.0	1.2	1.1	1.1	1.2
Massachusetts	835.1	1,055.0	1,180.3	1,030.9	21.2	25.3	28.6	34.3	2.4	1.8	1.5	1.6
Michigan	1,383.3	1,681.4	1,919.5	2,339.3	33.9	44.3	48.2	51.4	0.6	0.7	0.6	0.4
Minnesota	1,345.2	1,729.3	1,738.7	1,853.7	51.0	73.7	74.8	88.4	0.7	0.6	0.6	0.7
Mississippi	758.3	1,362.1	1,551.4	1,353.2	167.6	190.8	285.7	293.4	3.6	3.4	4.5	4.7
Missouri	857.0	1,231.9	1,165.2	1,164.0	59.9	86.9	108.4	149.2	0.6	0.7	0.8	1.2
Montana	1,224.9	1,622.1	1,848.8	2,043.2	33.2	72.8	64.7	80.0	0.1	1.0	0.7	1.1
Nebraska	746.5	1,276.6	1,182.7	1,106.9	57.5	79.7	77.9	106.5	0.5	0.6	0.6	0.9
Nevada	1,284.3	1,323.7	1,294.8	1,723.2	169.7	201.6	265.3	233.0	1.4	2.0	2.8	2.5
New Hampshire	687.1	632.3	619.9	775.5	11.0	11.8	13.4	16.0	1.0	0.6	0.6	0.7
New Jersey	1,518.9	1,852.0	1,109.9	2,271.4	24.8	25.5	14.8	34.6	3.9	2.4	0.8	1.0
New Mexico	1,958.2	2,134.8	2,457.3	2,638.4	83.0	87.0	94.8	110.1	1.3	1.4	1.6	2.0
New York	2,214.5	2,293.0	2,313.8	2,303.9	24.2	26.4	24.2	24.1	0.9	0.8	0.6	0.6
North Carolina	1,472.6	1,792.1	1,975.4	1,903.2	104.1	132.9	129.3	122.7	0.8	1.2	1.2	1.5
North Dakota	1,130.2	1,407.4	1,666.8	1,550.7	46.1	77.9	105.2	112.9	-	0.4	1.0	0.8
Ohio	1,054.4	1,260.8	1,360.0	1,704.5	62.6	78.1	80.7	78.3	1.0	0.7	1.4	1.6
Oklahoma	1,225.9	1,326.8	1,472.7	2,550.3	95.6	124.3	113.4	184.6	0.5	0.6	1.1	1.2
Oregon	780.2	842.1	972.3	980.6	43.9	53.5	54.7	56.2	0.4	0.5	0.6	0.9
Pennsylvania	700.8	797.7	803.2	879.6	38.7	43.3	46.1	52.5	1.2	1.1	0.9	0.7
Rhode Island	682.6	1,189.9	1,036.6	1,473.4	33.1	41.2	39.8	69.7	1.4	1.5	0.9	0.9

Yellow highlighting denotes the top 10 values in each category. Pink highlighting denotes the bottom 10 values in each category.



Table 3 of 3: COVID Tests, Cases, and Deaths Over the Past Four Weeks, South Carolina through Wyoming (Including US Territories and National Totals)

State	New Tests per 100,000 Population				New Cases per 100,000 Population				New Deaths per 100,000 Population			
	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29	July 1 - 8	July 8 - 15	July 15 - 22	July 22 - 29
South Carolina	1,242.4	1,401.2	1,615.5	1,395.1	213.5	259.0	248.5	209.8	2.3	2.2	5.6	6.4
South Dakota	597.2	827.1	849.5	978.5	47.0	46.3	48.0	63.8	0.6	1.5	0.9	1.1
Tennessee	1,948.6	2,148.3	2,433.0	2,817.5	152.2	186.8	214.6	233.9	1.1	1.4	1.5	1.9
Texas	1,161.4	1,322.6	1,593.2	1,501.0	187.2	232.3	241.7	190.6	1.4	2.3	3.2	8.0
Utah	1,322.6	1,444.8	1,538.4	1,147.5	126.5	134.3	138.8	114.2	0.9	1.0	0.9	1.1
Vermont	875.7	1,058.0	1,183.4	1,076.8	7.4	9.9	7.7	6.4	-	-	-	-
Virginia	929.8	1,253.4	1,279.4	1,436.0	48.9	72.1	80.4	89.0	1.4	1.0	0.7	0.9
Washington	1,027.6	1,086.2	1,614.6	1,366.4	57.8	70.2	84.5	76.9	0.7	1.2	0.6	1.4
West Virginia	1,147.4	1,338.6	1,366.1	1,771.1	40.6	47.4	50.4	48.3	0.1	0.2	0.2	0.6
Wisconsin	1,094.5	1,390.1	1,455.0	1,600.1	72.5	101.0	109.4	108.9	0.4	0.3	0.7	0.8
Wyoming	711.7	880.5	224.8	1,347.2	39.0	42.3	52.4	58.7	0.2	0.2	0.5	0.2
50 States + DC	1,357.3	1,562.4	1,667.4	1,732.2	111.8	134.2	141.1	137.8	1.3	1.5	1.8	2.4
Territories												
American Samoa	217.4	-	400.4	-	-	-	-	-	-	-	-	-
Guam	1,398.8	1,001.6	745.1	1,334.1	21.4	3.6	10.1	12.5	-	-	-	-
Northern Mariana Islands*	4,426.8	3.5	1,723.4	1,713.0	1.7	3.5	-	-	-	-	-	-
Puerto Rico	39.8	2,134.3	87.7	1,755.5	2.7	1.5	10.6	6.2	-	-	-	-
Virgin Islands*	410.5	1,421.1	2,474.8	1,280.4	51.7	100.5	13.4	-	-	-	1.0	-
Territories Subtotal	194.9	1,986.3	225.7	1,691.1	5.1	4.6	10.3	6.1	-	-	0.0	-
USA Total	1,343.4	1,564.4	1,650.1	1,729.2	110.5	132.6	139.5	136.2	1.2	1.5	1.8	2.4

Yellow highlighting denotes the top 10 values in each category. Pink highlighting denotes the bottom 10 values in each category.



The Northern Mariana Islands and the Virgin Islands stopped reporting new case and death data on July 13 and July 22, respectively. Each territory's most recently reported value has been carried through to July 29 for comparison. 7

State Level Findings

- New COVID deaths were higher in the last week of July than in the first week in July in 33 states. 68.6% of the USA population resides in a state where the death rate worsened during July.
- Arizona, South Carolina, and Mississippi reported the largest number of new deaths per 100,000 population between July 1 and July 29. These states reported 24.0, 16.5, and 16.2 new deaths per 100,000 population, respectively. In a global context, these three states' COVID death rates *during July alone* are higher than *overall* COVID death rates to date in roughly 75% of the world's countries.
- 44 states reported more new cases the last week of July than the first week of July. Of these, 9 states more than doubled their reported number of new weekly cases.
- Between the July 1 and July 29, the testing positivity rate increased in 29 states. Nationally, the testing positivity rate has progressed from 8.13% July 1, to 8.13% July 8, to 8.17% July 15, to 8.21% July 22, to 8.16% July 29. The World Health Organization advises that a 5% or lower rate of testing positivity is indicative of a reasonable level community testing and control over disease spread.

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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