

## COVID19 - US States From Best To Worst

*If you have spent much time lately viewing or reading headlines of the main stream media (MSM) you would be forgiven for thinking that the US is one of the world's worst Covid-19's "Cot cases."*

*By Brian Woolf (September 8, 2020)*

It isn't-as the following results of our 50 states for the 24 weeks to Aug 25 show. It doesn't mean all is well. We have some states with very disappointing results-and some that are outstanding. As the art of leadership is to first gather the facts before planning the path ahead, this report's goal is to provide some of those facts.

The data is from worldometers.info who receives Covid-19 (CV) data from all states continuously. My data reporting begins on March 10. The little data prior to then is included in that first week. You will see each state's tests, infections (cases), and deaths clearly laid out for interstate comparisons. It provides a definitive benchmark for the future.

### **But First, Some Perspective**

We hear from the MSM how the US lags other nations. For a reality check, I looked at Europe (with its similar cultures, values, health levels, etc as the US) for the same period of this study and found these results (see Table A1).

<b>YTD Aug 31, 2020</b>	<b>Deaths</b>	<b>Pop</b>	<b>% pop</b>
Belgium	9,895	11,598,176	0.085%
Spain	29,094	46,757,881	0.062%
UK	41,504	67,946,337	0.061%
Italy	35,491	60,446,519	0.059%
Sweden	5,813	10,109,890	0.057%
France	30,635	65,298,143	0.047%
Source: worldometers.info			

The US's total death rate (which include other dependent areas besides the 50 states) fits in between Sweden and France. The only major EU country below France that is not on the list is Germany.

However, as you will see in the two tables that follow, 33 states (including two of our most populous, California and Texas) had death rates below France's 0.047%! So, compared to most major players in Europe, two-thirds of our states performed well. Looking ahead? Each state in the next 24 weeks, will be aiming to improve using what they have learned.

### **States Sorted by Death Rate from Best (Lowest) to Worst**

The following two tables have been prepared to compare the performance of our 50 states. **Table 1** expresses the relevant comparative data in percentages. **Table 2**, seeking to give a human aspect when viewing these numbers of sadness, uses actual numbers per week for an average town of 10,000 people in each state. In that town of typical citizens, we see how many citizens were tested, how many were infected (ie, became cases), and how many died, on average, each week. Table 2's final column pictures that average town's deaths in a memorable way: it shows the number of weeks between each CV death in the town. That gives us a clearer feeling for CV's emotional impact in each community in each state. As mentioned earlier, the lower the death rate the greater the number of weeks between deaths.

For readers unfamiliar with converting data to a 10,000 people format, let's explain using Tests in our least-populated state, Wyoming. It's the third state listed. We want to take its 99,431 tests performed over a 24-week period and find the average number of tests per week for 10,000 of the state's citizens. The steps are:

$$\# \text{ Tests} / \text{Population} / 24 \text{ (weeks)} \times 10,000 \text{ (to convert to 10,000 people)} = \text{Answer}$$

$$\text{ie, } 99,431 / 578,758 / 24 \times 10,000 = 72 \text{ (rounded from 71.5836)}$$

Such weekly averages for a 10,000-person town helps brings numbers to life.

The two Tables follow. No commentary is given, as they are self-explanatory.

<b>Table 1</b>		<b>50 US STATES</b>			<b>CV RESULTS YTD 24 W/E AUG 25, 2020</b>					sort col J
A	B	C	D	E	F	G = F/E	H = D/B	I = E/B	J = F/B	
ST	POP (# people)	DENSITY (ppsm)	TESTS	CASES	DEATHS	Deaths/ Cases	Tests/ Pop	Cases/ Pop	Deaths/ Pop (DR)	
HI	1,415,870	130	235,366	6,769	49	0.7%	16.6%	0.5%	0.003%	
AK	731,544	1	330,503	4,810	32	0.7%	45.2%	0.7%	0.004%	
WY	578,758	6	99,431	3,603	37	1.0%	17.2%	0.6%	0.006%	
MT	1,068,776	7	233,673	6,489	91	1.4%	21.9%	0.6%	0.009%	
VT	623,987	65	121,390	1,566	58	3.7%	19.5%	0.3%	0.009%	
ME	1,344,213	38	246,336	4,368	131	3.0%	18.3%	0.3%	0.010%	
OR	4,217,732	43	522,041	25,155	420	1.7%	12.4%	0.6%	0.010%	
WV	1,792,149	74	403,394	9,395	187	2.0%	22.5%	0.5%	0.010%	
UT	3,205,961	38	769,530	49,364	390	0.8%	24.0%	1.5%	0.012%	
KS	2,913,313	35	386,957	38,806	430	1.1%	13.3%	1.3%	0.015%	
ID	1,787,073	21	238,014	30,070	314	1.0%	13.3%	1.7%	0.018%	
ND	762,064	11	193,599	10,229	138	1.3%	25.4%	1.3%	0.018%	
SD	884,657	11	137,463	11,425	161	1.4%	15.5%	1.3%	0.018%	
OK	3,956,963	57	840,677	53,522	730	1.4%	21.2%	1.4%	0.018%	
WI	5,822,431	89	1,190,476	70,854	1,081	1.5%	20.4%	1.2%	0.019%	
NE	1,934,411	25	340,958	32,047	383	1.2%	17.6%	1.7%	0.020%	
KY	4,467,667	111	822,904	43,899	885	2.0%	18.4%	1.0%	0.020%	
AR	3,017,807	57	673,704	56,894	696	1.2%	22.3%	1.9%	0.023%	
TN	6,829,165	162	2,056,341	144,604	1,588	1.1%	30.1%	2.1%	0.023%	
WA	7,614,888	107	1,010,191	73,357	1,867	2.5%	13.3%	1.0%	0.025%	
NC	10,488,102	195	2,087,695	157,206	2,574	1.6%	19.9%	1.5%	0.025%	
MO	6,137,422	88	986,550	76,839	1,544	2.0%	16.1%	1.3%	0.025%	
VA	8,535,502	200	1,615,692	114,635	2,494	2.2%	18.9%	1.3%	0.029%	
CA	39,512,287	241	10,652,487	676,300	12,261	1.8%	27.0%	1.7%	0.031%	
NH	1,359,710	145	227,487	7,134	429	6.0%	16.7%	0.5%	0.032%	

Table 1 (contd)		50 US STATES			CV RESULTS YTD 24 W/E AUG 25, 2020					sort col J
A	B	C	D	E	F	G = F/E	H = D/B	I = E/B	J = F/B	
ST	POP (# people)	DENSITY (ppsm)	TESTS	CASES	DEATHS	Deaths/ Cases	Tests/ Pop	Cases/ Pop	Deaths/ Pop (DR)	
MN	5,639,625	65	1,386,513	70,298	1,817	2.6%	24.6%	1.2%	0.032%	
IA	3,155,073	56	601,441	57,076	1,048	1.8%	19.1%	1.8%	0.033%	
CO	5,758,724	55	673,913	55,341	1,919	3.5%	11.7%	1.0%	0.033%	
OH	11,689,064	261	1,998,115	115,768	3,999	3.5%	17.1%	1.0%	0.034%	
NM	2,096,831	17	723,801	24,469	747	3.1%	34.5%	1.2%	0.036%	
NV	3,080,154	28	814,793	66,010	1,200	1.8%	26.5%	2.1%	0.039%	
TX	28,995,831	108	5,063,576	608,817	11,871	1.9%	17.5%	2.1%	0.041%	
AL	4,903,174	94	916,364	116,710	2,024	1.7%	18.7%	2.4%	0.041%	
IN	6,732,232	185	1,310,589	87,592	3,225	3.7%	19.5%	1.3%	0.048%	
GA	10,617,403	179	2,474,396	256,253	5,156	2.0%	23.3%	2.4%	0.049%	
SC	5,148,726	161	958,722	112,551	2,511	2.2%	18.6%	2.2%	0.049%	
FL	21,477,784	327	4,473,343	605,502	10,580	1.7%	20.8%	2.8%	0.049%	
PA	12,801,928	278	1,559,186	134,246	7,672	5.7%	12.2%	1.0%	0.060%	
MD	6,045,672	487	1,807,573	105,046	3,707	3.5%	29.9%	1.7%	0.061%	
DE	973,764	391	222,489	16,942	604	3.6%	22.8%	1.7%	0.062%	
IL	12,671,796	219	3,740,191	223,207	8,097	3.6%	29.5%	1.8%	0.064%	
AZ	7,278,696	64	1,416,368	198,414	4,771	2.4%	19.5%	2.7%	0.066%	
MI	9,986,877	103	2,833,736	107,686	6,663	6.2%	28.4%	1.1%	0.067%	
MS	2,976,144	61	586,631	78,405	2,248	2.9%	19.7%	2.6%	0.076%	
RI	1,059,361	686	473,670	21,302	1,035	4.9%	44.7%	2.0%	0.098%	
LA	4,648,800	89	1,772,481	143,566	4,764	3.3%	38.1%	3.1%	0.102%	
CT	3,565,285	643	1,075,645	52,011	4,460	8.6%	30.2%	1.5%	0.125%	
MA	6,892,516	653	1,768,864	126,022	8,949	7.1%	25.7%	1.8%	0.130%	
NY	19,453,536	357	7,683,190	460,991	32,972	7.2%	39.5%	2.4%	0.169%	
NJ	8,882,193	1,018	2,676,812	195,541	16,051	8.2%	30.1%	2.2%	0.181%	
TOT	327,533,641	86	75,435,261	5,749,106	177,060	3.1%	23.0%	1.8%	0.054%	

<b>Table 2</b>		<b>50 US STATES</b>			<b>CV RESULTS PER WEEK FOR AVG 10,000 PEOPLE</b>				
A	B	C	D	E	F	G	H	I	J
ST	POP (# people)	DENSITY (ppsm)	TESTS	CASES	DEATHS	Tests Per Week #	Cases Per Week #	Deaths Per Week #	1 death every # wks
HI	1,415,870	130	235,366	6,769	49	69	2.0	0.014	69
AK	731,544	1	330,503	4,810	32	188	2.7	0.018	55
WY	578,758	6	99,431	3,603	37	72	2.6	0.027	38
MT	1,068,776	7	233,673	6,489	91	91	2.5	0.035	28
VT	623,987	65	121,390	1,566	58	81	1.0	0.039	26
ME	1,344,213	38	246,336	4,368	131	76	1.4	0.041	25
OR	4,217,732	43	522,041	25,155	420	52	2.5	0.041	24
WV	1,792,149	74	403,394	9,395	187	94	2.2	0.043	23
UT	3,205,961	38	769,530	49,364	390	100	6.4	0.051	20
KS	2,913,313	35	386,957	38,806	430	55	5.6	0.061	16
ID	1,787,073	21	238,014	30,070	314	55	7.0	0.073	14
ND	762,064	11	193,599	10,229	138	106	5.6	0.075	13
SD	884,657	11	137,463	11,425	161	65	5.4	0.076	13
OK	3,956,963	57	840,677	53,522	730	89	5.6	0.077	13
WI	5,822,431	89	1,190,476	70,854	1,081	85	5.1	0.077	13
NE	1,934,411	25	340,958	32,047	383	73	6.9	0.082	12
KY	4,467,667	111	822,904	43,899	885	77	4.1	0.083	12
AR	3,017,807	57	673,704	56,894	696	93	7.9	0.096	10
TN	6,829,165	162	2,056,341	144,604	1,588	125	8.8	0.097	10
WA	7,614,888	107	1,010,191	73,357	1,867	55	4.0	0.102	10
NC	10,488,102	195	2,087,695	157,206	2,574	83	6.2	0.102	10
MO	6,137,422	88	986,550	76,839	1,544	67	5.2	0.105	10
VA	8,535,502	200	1,615,692	114,635	2,494	79	5.6	0.122	8
CA	39,512,287	241	10,652,487	676,300	12,261	112	7.1	0.129	8
NH	1,359,710	145	227,487	7,134	429	70	2.2	0.131	8

<b>Table 2 (contd)</b>		<b>50 US STATES</b>			<b>CV RESULTS PER WEEK FOR AVG 10,000 PEOPLE</b>					
A	B	C	D	E	F	G	H	I	J	
ST	POP (# people)	DENSITY (ppsm)	TESTS	CASES	DEATHS	Tests Per Week #	Cases Per Week #	Deaths Per Week #	1 death every # wks	
MN	5,639,625	65	1,386,513	70,298	1,817	102	5.2	0.134	7	
IA	3,155,073	56	601,441	57,076	1,048	79	7.5	0.138	7	
CO	5,758,724	55	673,913	55,341	1,919	49	4.0	0.139	7	
OH	11,689,064	261	1,998,115	115,768	3,999	71	4.1	0.143	7	
NM	2,096,831	17	723,801	24,469	747	144	4.9	0.148	7	
NV	3,080,154	28	814,793	66,010	1,200	110	8.9	0.162	6	
TX	28,995,831	108	5,063,576	608,817	11,871	73	8.7	0.171	6	
AL	4,903,174	94	916,364	116,710	2,024	78	9.9	0.172	6	
IN	6,732,232	185	1,310,589	87,592	3,225	81	5.4	0.200	5	
GA	10,617,403	179	2,474,396	256,253	5,156	97	10.1	0.202	5	
SC	5,148,726	161	958,722	112,551	2,511	78	9.1	0.203	5	
FL	21,477,784	327	4,473,343	605,502	10,580	87	11.7	0.205	5	
PA	12,801,928	278	1,559,186	134,246	7,672	51	4.4	0.250	4	
MD	6,045,672	487	1,807,573	105,046	3,707	125	7.2	0.255	4	
DE	973,764	391	222,489	16,942	604	95	7.2	0.258	4	
IL	12,671,796	219	3,740,191	223,207	8,097	123	7.3	0.266	4	
AZ	7,278,696	64	1,416,368	198,414	4,771	81	11.4	0.273	4	
MI	9,986,877	103	2,833,736	107,686	6,663	118	4.5	0.278	4	
MS	2,976,144	61	586,631	78,405	2,248	82	11.0	0.315	3	
RI	1,059,361	686	473,670	21,302	1,035	186	8.4	0.407	2.5	
LA	4,648,800	89	1,772,481	143,566	4,764	159	12.9	0.427	2.3	
CT	3,565,285	643	1,075,645	52,011	4,460	126	6.1	0.521	1.9	
MA	6,892,516	653	1,768,864	126,022	8,949	107	7.6	0.541	1.8	
NY	19,453,536	357	7,683,190	460,991	32,972	165	9.9	0.706	1.4	
NJ	8,882,193	1,018	2,676,812	195,541	16,051	126	9.2	0.753	1.3	
TOT	327,533,641	86	75,435,261	5,749,106	177,060	96	7.3	0.225	4.4	

## **Closing Comments**

These tables were prepared to give you base data to refer back to in future months. All my Covid tables, reports and commentaries are available on my website [www.brianwoolf.com](http://www.brianwoolf.com)

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## **About the author...**

Besides a full business life in retailing, and later, loyalty marketing, the other part of Brian Woolf's life has been filled with diverse interests: particularly speaking (including Toastmasters), travel (including all seven continents), and reading (including history). And he has written seven books sharing what he has learned along the journey. Ask him, two favorite trips? Antarctica and the Nile. Ask him, two favorite books? The Lessons of History (Will & Ariel Durant) and Over the Edge of the World (Laurence Bergreen). He loves learning and sharing.

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