

Source and methodology	Source	Methodology
COVID Deaths/Million, through May	www.worldometers	
Excess All-Cause Deaths/Million, through April	www.cdc.gov	
% 100% Virtual Schooling	www.huribo.com	Using the full burbio data set, we evaluated by week for over 3000 counties, the percent of children whose only learning option was virtual. The aggregated value was calculated as follows: (% of School Year Virtual) + (Week 1 % of children offered virtual-only learning) + (Week 2 % of children offered virtual-only learning) through end of April (W of weeks of school)
% 100% in-person, 5-day Traditional Schooling	www.huribo.com	Using the full burbio data set, we evaluated by week for over 3000 counties, the percent of children who were offered 5-day 100% in-person schooling. The aggregated value was calculated as follows: (% of School Year 100% Traditional) + (Week 1 % of children offered 100% in-person) + (Week 2 % of children offered 100% in-person learning) through end of April (W of weeks of school)
Unemployed: Cumulative months excess unemployment/million	www.bls.gov	The goal of this metric was to establish the additional unemployment burden created on a state's population by non-pharmaceutical interventions. Baseline unemployment for each state was set by February 2020 unemployment rates. Each state's workforce was obtained from its gov. Excess unemployment was calculated for each month using the following equation: Excess monthly unemployed = (Workforce #) - (Monthly % unemployed) * (Workforce #). (February 2020 unemployment rates). Cumulative unemployment was calculated by adding the monthly excess unemployed for each month, then dividing the number by millions in workforce (e.g. # of people in workforce/100,000)
BLM support (not included in scorecard calculation)	https://civics.com/news/black_lives_matter?annotation=trumpuncertaintytrue&zoomin=true	Making values were taken by averaging state values of masking between November and May 2020. CMU survey 220k people per day for this. They ask two questions, "Do you always wear a mask when you leave your house?" and "What portion of people would you estimate wear masks in your area?" I chose to use the latter. The 1st question, is I believe influenced by social pressure to mask. Even the least "masky" states, typically report 80% masking. The number for "always masking" drops to 40%, which I believe is likely the real value.
Average Masking (not included in scorecard calculation)	https://civics.com/news/black_lives_matter?annotation=trumpuncertaintytrue&zoomin=true	
Obesity (not included in scorecard calculation)	https://www.fda.gov/oc/2019/09/2019-09-20-press-release-2019-09-20-01	
% of Population over 65 by state (not included in scorecard calculation)	https://www.fda.gov/oc/2019/09/2019-09-20-press-release-2019-09-20-01	
Overall COVID Policy Score Calculation	NA	

**COVID Pandemic Policy Rankings, and Inputs**

	State Rank	Overall COVID-19 % 100% Virtual	Virtual Rank	% 100% in-Pers Rank	100% in-Pers Rank	100% in-Pers Rank	100% in-Pers Rank	Cum unemployment Excess Deaths/ Rank,	least dea Average Masking	Masking Rank	(Deaths/Million COVID Deaths r)	Obesity: % of P	BLM Support 3/Population	Age Rank,	% Pop Ov. Voted for Trump				
Wyoming	1	21	0%	2	100%	1	326,000	5	1,555	17	41	1	1232	13	29.70%	19%	16.5	24	1
Nebraska	2	22	2%	5	78%	6	164,000	1	1,396	13	72	19	1160	10	34.10%	34%	15.7	36	1
Utah	3	26	4%	9	78%	7	302,000	4	905	7	81	27	710	6	29.20%	37%	11.1	50	1
Montana	4	35	0%	1	66%	12	294,000	3	1,591	20	61	7	1501	19	28.30%	38%	18.7	6	1
Vermont	5	47	7%	12	69%	10	466,000	23	962	8	93	45	409	2	26.60%	61%	19.4	4	-
Idaho	6	52	6%	10	46%	24	339,000	7	1,063	10	53	3	1161	11	29.50%	30%	15.9	31	1
Arkansas	7	55	0%	3	94%	3	399,000	15	2,253	44	67	13	1924	34	37.40%	29%	17	19	1
South Dakota	8	57	3%	8	79%	4	219,000	2	2,035	40	44	2	2262	43	33.00%	31%	16.6	23	1
Alaska	9	66	26%	28	41%	27	342,000	8	683	4	72	18	495	3	30.50%	40%	11.8	49	1
North Dakota	10	70	0%	4	67%	11	420,000	17	1,837	28	60	6	1978	38	31.80%	26%	15.3	44	1
Missouri	11	72	30%	23	30%	32	328,000	6	1,939	33	63	10	1550	21	34.80%	35%	16.9	21	1
Florida	12	74	2%	6	98%	2	653,000	41	1,671	22	70	14	1693	25	27.00%	44%	20.5	2	1
Maine	13	77	7%	13	13%	44	409,000	16	595	2	90	39	607	4	31.70%	51%	20.6	1	-
Iowa	14	77	15%	18	64%	17	349,000	9	1,585	19	71	16	1907	33	33.90%	41%	17.1	17	1
Texas	15	83	6%	11	78%	5	604,000	38	1,993	37	76	23	1771	29	34.00%	41%	12.6	48	1
New Hampshire	16	84	13%	15	33%	31	528,000	30	809	6	90	40	986	8	31.80%	51%	18.1	9	-
Kansas	17	88	26%	29	59%	20	370,000	12	1,751	26	71	17	1734	27	35.20%	39%	15.9	31	1
Georgia	18	90	23%	26	69%	9	437,000	20	1,997	39	61	8	1939	35	33.10%	44%	13.9	47	-
Alabama	19	90	15%	19	74%	8	453,000	21	2,631	47	64	12	2253	42	36.10%	32%	16.9	21	1
Oklahoma	20	90	19%	22	56%	21	433,000	19	1,996	38	56	4	1748	28	36.80%	31%	15.7	36	1
Missis	21	91	15%	20	66%	14	353,000	10	3,024	51	63	11	2445	47	40.80%	36%	15.9	31	1
South Carolina	22	93	8%	14	65%	15	534,000	32	2,331	45	70	15	1878	32	35.40%	39%	17.7	10	1
Louisiana	23	96	3%	7	65%	16	504,000	29	2,388	46	63	9	2262	44	35.90%	36%	15.4	40	1
West Virginia	24	96	22%	25	38%	29	465,000	22	1,562	18	77	24	1544	20	39.70%	25%	19.9	3	1
Wisconsin	25	100	50%	42	31%	32	381,000	14	1,408	14	76	21	1198	12	34.20%	43%	17	19	-
Minneso	26	103	48%	39	29%	35	373,000	13	1,082	11	86	33	1314	16	30.10%	45%	15.9	31	-
Indiana	27	103	14%	16	61%	19	504,000	28	1,708	25	75	20	2009	40	35.30%	38%	15.8	35	1
Colorado	28	104	27%	30	49%	23	670,000	42	1,302	12	85	30	1145	9	23.80%	51%	14.2	46	-
Kentucky	29	106	49%	41	28%	36	359,000	11	1,679	23	76	22	1495	18	36.50%	31%	16.4	26	1
Arizona	30	107	21%	24	66%	13	466,000	24	2,693	49	80	26	2404	46	31.40%	45%	17.5	12	-
North Carolina	31	107	30%	34	30%	34	328,000	25	1,035	9	79	25	1234	14	34.00%	46%	16.3	29	1
Ohio	32	114	27%	31	40%	28	530,000	31	1,916	32	84	29	1679	24	34.80%	39%	17.1	17	1
Tennessee	33	115	33%	33	63%	18	536,000	33	2,079	42	59	5	1809	31	36.50%	34%	16.4	26	1
Virginia	34	124	54%	43	16%	40	488,000	26	1,429	15	86	34	1294	15	31.90%	50%	15.4	40	-
Connecticut	35	126	14%	17	37%	30	553,000	34	2,244	43	94	50	2301	45	29.10%	55%	17.2	14	-
Delaware	36	136	28%	32	15%	41	601,000	37	1,643	21	93	46	1697	26	34.40%	-	18.7	5	-
Washington	37	138	66%	46	4%	49	598,000	36	657	3	91	41	753	7	28.30%	56%	15.4	40	-
DC	38	140	92%	51	6%	48	424,000	18	1,984	36	94	48	1593	23	23.80%	48%	-	-	-
Rhode Island	39	140	17%	21	46%	25	861,000	46	1,888	30	94	49	2552	48	30.00%	57%	17.2	14	-
Oregon	40	142	77%	50	6%	47	651,000	40	782	5	90	38	617	5	29.00%	56%	17.6	11	-
Maryland	41	143	74%	49	3%	50	502,000	27	1,687	24	93	47	1482	17	32.30%	63%	15.4	40	-
Michigan	42	145	42%	37	43%	26	795,000	43	1,953	34	85	32	1996	39	36.00%	49%	17.2	14	-
Hawaii	43	148	56%	45	0%	51	1,308,000	51	42	1	92	42	347	1	25.00%	56%	18.4	7	-
Pennsylvania	44	148	35%	35	30%	33	620,000	39	1,976	35	84	28	2115	41	33.20%	45%	18.2	8	-
New Mexico	45	158	73%	47	18%	39	558,000	35	2,051	41	89	37	1966	37	31.70%	51%	17.5	12	-
Illinois	46	162	48%	40	15%	42	830,000	44	1,894	31	85	31	1962	36	31.60%	53%	15.6	39	-
Nevada	47	162	56%	44	19%	38	1,263,000	50	1,883	29	88	35	1800	30	30.60%	47%	15.7	36	-
New York	48	162	23%	27	24%	37	919,000	48	2,858	50	92	44	2742	50	27.10%	55%	16.4	26	-
California	49	163	73%	48	6%	46	905,000	47	1,767	27	89	36	1588	22	26.20%	58%	14.3	45	-
New Jersey	50	177	42%	36	12%	45	836,000	45	2,646	48	92	43	2933	51	-	52%	16.1	30	-
Massachusetts	51	179	43%	38	14%	43	971,000	49	1,480	16	94	51	2579	49	25.20%	62%	16.5	24	-