

**Supplementary Table S1.** Epidemic data collected in all states of the USA in March, 2020

State	Tests wk I	Total tests	Wk I/all tests (%)	State pop/mill	Total tests/ mill inh	Total cases	Cases/ mill inh	State pop dens	Wk I tests/ mill inh/state pop dens	Total deaths (count)	Deaths/ mill inh
AK	227	3,654	6.21	0.734	4978.20	114	155.31	0.425	726.115	3	4.08
AL	352	5,014	7.02	4.908	1021.60	830	169.11	36.149	1.984	4	0.81
AR	115	3,453	3.33	3.038	1136.60	426	140.22	22.057	1.716	6	1.97
AZ	373	13,872	2.68	7.378	1880.18	919	124.56	24.990	2.023	17	2.30
CA	4,260	90,657	4.69	39.937	2270.00	5,708	142.93	94.198	1.132	123	3.07
CO	938	14,470	6.48	5.845	2475.62	2,307	394.70	21.680	7.402	47	8.04
CT	551	11,900	4.63	3.563	3339.88	1,993	559.36	248.188	0.623	34	9.54
DE	129	3,701	3.48	0.982	3768.84	236	240.33	152.342	0.862	6	6.11
FL	1,380	48,998	2.81	21.992	2227.99	4,950	225.08	129.126	0.485	59	2.68
GA	48	12,596	0.38	3.991	3156.10	2,683	672.26	25.930	0.463	80	20.04
HI	12	8,013	0.14	1.412	5674.93	175	123.93	49.869	0.170	0	0
ID	427	4,706	9.07	1.826	2577.22	310	169.77	8.436	27.718	6	3.28
IL	1,622	27,762	5.84	12.659	2193.06	4,596	363.06	84.395	1.518	66	5.21
IN	149	9,830	1.51	6.745	1457.38	1,514	224.46	71.505	0.308	32	4.74
IO	330	5,349	6.16	3.179	1682.60	336	105.69	21.811	4.759	4	1.25
KS	167	4,513	3.70	2.910	1550.86	319	109.62	13.655	4.202	6	2.06
KY	207	6,018	3.43	4.499	1337.63	439	97.57	42.988	1.070	9	2.00
LA	368	27,871	1.32	4.645	6000.22	3,540	762.11	34.240	2.313	151	32.50
MA	171	39,066	0.43	6.976	5600.06	4,955	710.29	255.203	0.096	48	6.88
MD	447	13,593	3.28	6.083	2234.59	1,239	203.68	189.312	0.388	10	1.64
ME	272	3,647	7.45	1.345	2711.52	253	188.10	14.677	13.777	3	2.23
MI	274	17,379	1.57	10.045	1730.11	5,486	546.14	40.101	0.680	132	13.14
MN	889	17,657	5.03	5.700	3097.72	503	88.24	25.314	6.161	9	1.57
MO	236	14,107	1.67	6.169	2286.76	903	146.37	34.169	1.119	12	1.94
MS	969	3,318	29.20	2.989	1110.07	758	253.59	23.828	13.605	14	4.68
MT	160	4,069	3.93	1.086	3746.78	161	148.25	2.851	51.664	1	0.92
NC	17	19,072	0.08	10.611	1797.38	1,167	109.98	76.123	0.021	5	0.47
ND	393	3724	10.55	0.761	4893.56	98	128.77	4.156	124.260	1	1.31
NE	272	2345	11.59	1.952	1201.33	120	61.47	8.859	15.728	2	1.02
NH	232	5,396	4.29	1.371	3935.81	258	188.18	56.622	2.988	3	2.18
NJ	284	35,602	0.79	8.936	3984.11	13,386	1497.99	395.555	0.080	161	18.01
NM	488	11,179	4.36	2.096	5333.49	237	113.07	5.944	39.168	2	0.95
NY	1,661	172,360	0.96	19.440	8866.26	59,513	3061.37	137.582	0.621	965	49.63
NV	262	10,534	2.48	3.139	3355.85	920	293.08	10.960	7.614	15	4.77
OH	148	20,665	0.71	11.747	1759.17	1,653	140.72	101.180	0.124	29	2.46
OK	206	1,634	12.60	3.954	413.25	429	108.50	21.840	2.385	16	4.04
OR	1,023	11,426	8.95	4.301	2656.59	548	127.41	16.879	14.090	13	3.02
PA	403	33,455	1.20	12.820	2609.59	3,394	264.74	107.478	0.292	38	2.96
RI	550	3,134	17.54	1.056	2967.80	294	278.40	263.934	1.973	3	2.84

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State	Tests wk I	Total tests	Wk I/all tests (%)	State pop/mill	Total tests/mill inh	Total cases	Cases/mill inh	State pop dens	Wk I tests/mill inh/state pop dens	Total deaths (count)	Deaths/mill inh
SC	97	3,789	2.56	5.210	727.26	774	148.56	62.822	0.296	16	3.07
SD	185	3,218	5.74	0.903	3563.68	90	99.66	4.521	45.315	1	1.10
TN	73	20,574	0.35	6.897	2983.04	1,537	222.85	63.186	0.167	7	1.01
TX	48	25,760	0.18	29.472	874.05	2,552	86.59	42.365	0.038	34	1.15
UT	279	13,993	1.99	3.282	4263.56	719	219.07	14.926	5.695	2	0.60
VA	314	10,609	2.95	8.626	1229.89	890	103.17	77.861	0.467	22	2.55
VT	291	3701	7.86	0.628	5893.31	235	374.20	25.215	18.376	12	19.10
WA	4,415	59,206	7.45	7.797	7593.43	4,310	552.78	42.223	13.410	189	24.24
WI	259	17,662	1.46	5.851	3018.63	1,112	190.05	34.491	1.283	13	2.22
WV	38	3,108	1.22	1.778	1748.03	124	69.74	28.331	0.754	0	0
WY	308	1,641	18.76	0.567	2894.18	87	153.43	2.238	242.707	0	0

**Note.** Abbreviations of USA states: AK (Alaska), AL (Alabama), AR (Arkansas), AZ (Arizona), CA (California), CO (Colorado), CT (Connecticut), DE (Delaware), FL (Florida), GA (Georgia), HI (Hawaii), ID (Idaho), IL (Illinois), IN (Indiana), IO (Iowa), KS (Kansas), KY (Kentucky), LA (Louisiana), MA (Massachusetts), MD (Maryland), ME (Maine), MI (Michigan), MN (Minnesota), MO (Missouri), MS (Mississippi), MT (Montana), NC (North Carolina), ND (North Dakota), NE (Nebraska), NH (New Hampshire), NJ (New Jersey), NM (New Mexico), NY (New York), NV (Nevada), OH (Ohio), OK (Oklahoma), OR (Oregon), PA (Pennsylvania), RI (Rhode Island), SC (South Carolina), SD (South Dakota), TN (Tennessee), TX (Texas), UT (Utah), VA (Virginia), VT (Vermont), WA (Washington), WI (Wisconsin), WV (West Virginia), WY (Wyoming). Variables: *Tests wk I* = number of tests performed in the first 7 days of testing; *Total tests* = total number of people tested; *Wk I/all tests (%)* = tests wk I/total tests (i.e., the proportion of all tests conducted during the first week of testing, expressed as a percentage of all tests performed in March, 2020); *State pop/mill* = the population of each state, expressed in million inhabitants; *Total tests/mill inh* = number of tests performed per 1 million inhabitants by March 31, 2020; *Total cases* = cumulative number of confirmed (test-positive) infections by March 31, 2020; *Cases/mill inh* = the number of cases in the population (expressed in million inhabitants); *State pop dens* = the state-specific number of inhabitants per square kilometer; *Wk I tests/mill inh/state pop dens* = the number of tests performed during week one/million inhabitants/state population density; *Total deaths (count)* = cumulative number of deaths through March 31, 2020; *Deaths/mill inh* = cumulative number of deaths per 1 million inhabitants through March 31, 2020.