

# COVID-19 Statistical Review

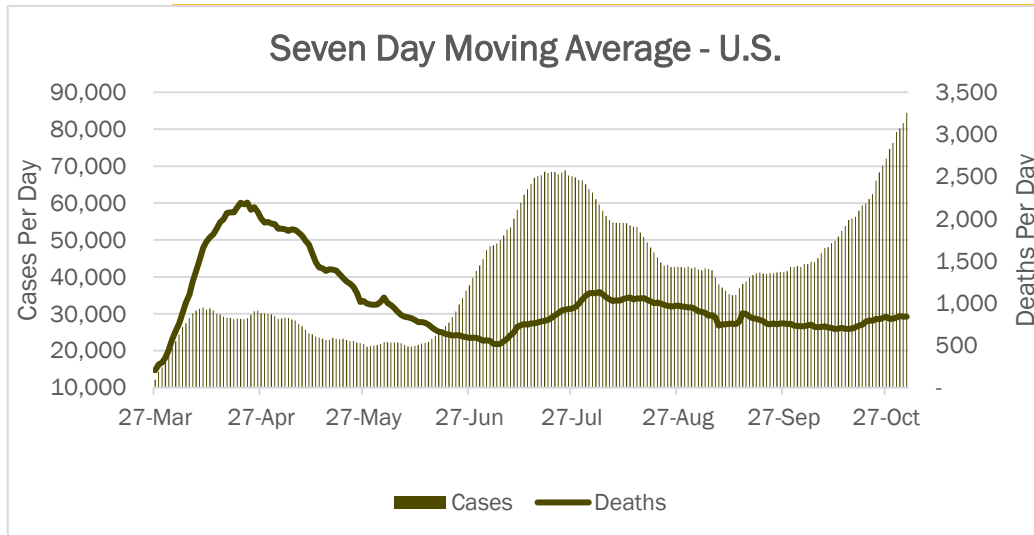
*Today's Analysis: Data from November 02, 2020*

*On Monday, cases were up significantly WOW again, while deaths were down. We had a similar pattern early in the summer surge before deaths began moving up on day 27 of the case surge, suggesting that cases were a leading indicator for deaths. This time we are 50 days into the fall case surge with no significant movement in deaths. At this stage of the contagion, it looks increasingly like the link between cases and deaths has disappeared, or, at least, weakened to a meaningless correlation.*

*Note that the same thing has happened in Europe to be accompanied by the reimposition of lockdowns in five or six countries. Let's hope that doesn't happen here. A second lockdown would cause an economic collapse that would be hard to dig out of. Fortunately, these numbers show no reason for such a step, unless one continues to fixate on the largely irrelevant case numbers. Yet the CDC, the media, and many politicians continue to do that.*

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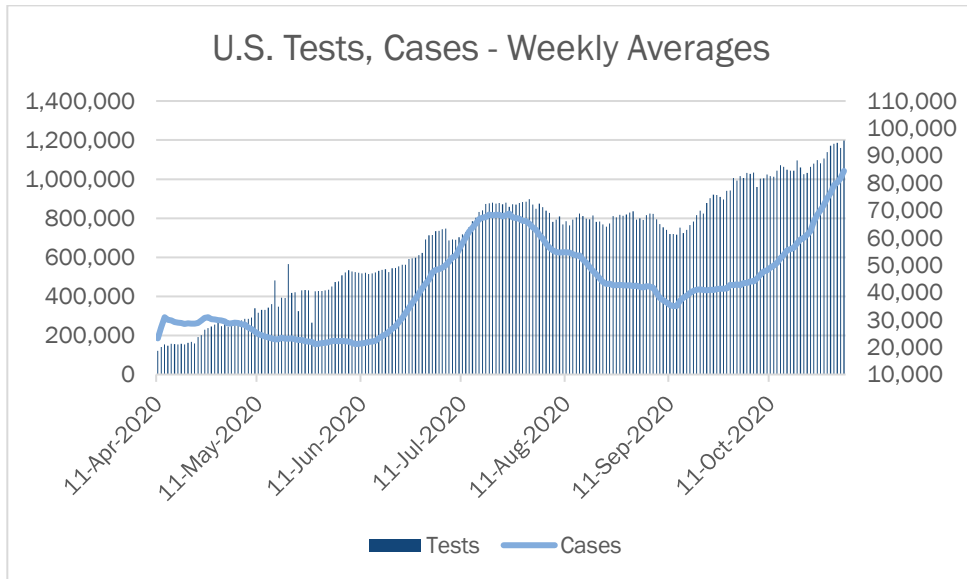
**Exhibit 1**



Country	Status	Cases	Deaths	Death Rate	Pop per case	Pop per death	Daly Max Cases	New Cases Latest Day	Daily Max Deaths	New Deaths Latest Day	Change In New Case Count Latest Day	Change In New Case Count From Latest Day	Change in New Death Count Latest Day	Change in New Death Count From Latest Day
China	Recovery	86,021	4,634	5.4%	16,667	333,333	127	24	9	-	-	4	0	0
S. Korea	Recovery	26,732	468	1.8%	1,919	111,111	441	97	9	2	(27)	(22)	0	2
Italy	Recovery	731,588	39,059	5.3%	83	1,548	31,758	22,253	919	233	(7,654)	5,246	25	92
Iran	Inflection	628,780	35,738	5.7%	134	2,358	8,293	8,289	365	440	570	2,329	6	103
Germany	Recovery	560,586	10,734	1.9%	150	7,813	19,367	16,240	333	112	3,684	3,619	73	68
France	Recovery?	1,466,433	37,435	2.6%	45	1,745	52,518	52,518	1,495	416	6,228	25,747	185	159
UK	Recovery	1,053,864	46,853	4.4%	65	1,451	26,688	18,950	980	136	(4,304)	(1,940)	-26	34
Norway	Recovery	21,339	282	1.3%	255	19,231	495	704	16	-	400	271	0	0
Netherlands	Recovery?	368,147	7,463	2.0%	47	2,299	11,119	8,286	234	29	(397)	(2,057)	-10	3
Sweden	Recovery?	124,355	5,938	4.8%	81	1,704	3,180	-	185	-	-	(5,191)	0	-1
USA	Rising	9,567,543	236,997	2.5%	35	1,399	101,461	88,905	2,804	522	17,584	19,064	123	-7
Spain	Recovery	1,313,087	36,257	2.8%	36	1,290	25,595	18,340	961	127	18,340	944	127	34
Switzerland	Recovery	176,177	2,404	1.4%	49	3,610	21,926	21,926	75	78	21,926	4,486	50	65
Belgium	Recovery?	441,018	11,737	2.7%	26	989	23,921	11,789	496	112	(5,126)	(3,833)	-61	39
Denmark	Recovery?	48,241	724	1.5%	120	8,000	1,191	942	22	1	(6)	(114)	-1	-5
Austria	Recovery	114,016	1,159	1.0%	79	7,813	5,627	4,135	30	29	(821)	1,679	8	16
Canada	Recovery	240,263	10,208	4.2%	158	3,704	3,457	3,422	222	29	1,092	(687)	-14	2
Ireland	Recovery	62,750	1,917	3.1%	-	2,584	1,515	748	220	2	202	(191)	0	-1
Portugal	Recovery	146,847	2,590	1.8%	69	3,937	4,656	2,506	37	46	(556)	59	9	19
Australia	Recovery	27,602	907	3.3%	928	28,571	721	7	59	-	2	-	0	0
Brazil	Falling	5,554,206	160,272	2.9%	38	1,330	70,869	8,501	1,554	168	(1,599)	(8,921)	-34	-120
Malaysia	Recovery	33,339	251	0.8%	975	125,000	1,240	834	8	2	(123)	(406)	2	-5
Mexico	Falling	929,392	91,895	9.9%	139	1,408	9,556	4,430	1,092	142	(1,721)	70	-322	-39
Singapore	Recovery	58,020	28	0.0%	101	200,000	1,426	1	2	-	(3)	(2)	0	0
North America	Rising	10,737,198	339,100	3.2%	46	1,471	110,763	96,757	2,974	693	16,955	18,447	(213)	(44)
Western Europe	Rising	6,628,448	204,552	3.1%	61	1,967	206,647	179,337	4,450	1,321	31,916	28,725	379	522
Other	Rising	29,947,842	667,365	2.2%	229	10,298	256,099	196,523	7,030	3,687	(12,961)	13,178	235	128
World	Rising	47,313,488	1,211,017	2.6%	165	6,435	573,590	472,617	8,843	5,701	35,910	60,350	401	606

Source: Worldometer.com, Transport Futures

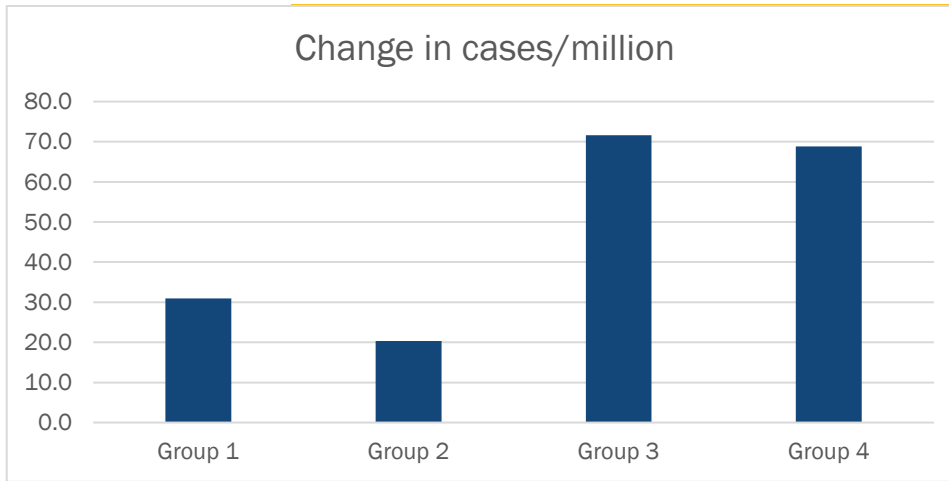
## Exhibit 2



	Hot Spot Group	Total Cases	Max New Cases/Day Since 21 April	New Cases Latest Day	Change in New Cases/Day	Change In Cases/Day Since Week Ago	Change In Cases/Day Since Max	Total Deaths	Max New Deaths/Day Since 21 April	New Deaths Latest Day	Change In New Deaths/Day	Change In Deaths/Day Since Week Ago	Change In Deaths/Day Since Max	Cases/M	Deaths/ Million	Population
USA Total	All	9,567,543	86,293	88,905	17,584	19,064	3%	236,997	2,804	522	123	(7)	-81%	28,905	716	331,004,361
Hot-Spot Group 1	1	1,653,347	21,922	11,448	2,597	1,429	-48%	86,387	1,830	55	(9)	(31)	-97%	24,676	1,179	67,002,431
Hot-Spot Group 2	2	4,353,103	50,036	26,789	4,842	4,894	-46%	83,645	1,063	176	90	(24)	-83%	33,070	632	131,632,800
Hot-Spot Group 3	3	2,018,790	31,836	27,026	6,737	5,830	-15%	42,536	477	155	5	1	-68%	30,104	590	67,059,786
Hot-Spot Group 4	4	1,542,303	29,015	23,642	3,408	6,911	-19%	24,429	272	136	37	47	-50%	21,680	348	71,140,342
New York	1	548,068	10,868	1,822	(354)	406	-83%	33,698	764	11	(8)	(4)	-99%	28,173	1,732	19,453,968
New Jersey	1	246,149	4,160	1,779	132	138	-57%	16,484	458	2	(2)	(8)	-100%	27,713	1,856	8,882,395
Massachusetts	1	160,549	4,946	842	(289)	(370)	-83%	10,023	252	10	(12)	(7)	-96%	23,293	1,454	6,892,405
Pennsylvania	1	217,243	3,096	2,743	1,059	251	-11%	8,899	294	6	1	(1)	-98%	16,969	695	12,801,381
Louisiana	1	183,616	3,840	275	(796)	48	-93%	5,934	126	8	1	(9)	-94%	39,498	1,276	4,648,783
Connecticut	1	73,858	2,651	2,651	2,651	604	0%	4,627	125	11	11	(1)	-91%	20,716	1,298	3,565,242
Maryland	1	146,995	1,730	850	(14)	285	-51%	4,155	77	3	(2)	-	-96%	24,314	687	6,045,713
Rhode Island	1	34,120	562	232	232	65	-59%	1,210	27	3	3	2	-89%	32,208	1,142	1,059,367
District Of Columbia	1	17,438	335	69	(34)	24	-79%	647	19	1	1	1	-95%	24,709	917	705,739
Delaware	1	25,311	458	185	10	(22)	-60%	710	69	-	(2)	(4)	-100%	25,993	729	973,792
California	2	942,195	12,137	5,280	1,748	1,421	-56%	17,693	197	22	16	(21)	-89%	23,846	448	39,511,060
Florida	2	812,063	15,300	4,651	(214)	1,274	-70%	16,837	276	41	14	22	-85%	37,810	784	21,477,832
Texas	2	969,247	12,235	8,320	4,127	1,607	-32%	18,662	322	48	15	(4)	-85%	33,427	644	28,995,746
Georgia	2	362,921	4,813	939	(253)	(19)	-80%	7,999	122	18	16	-	-85%	34,182	753	10,617,138
Tennessee	2	264,587	3,606	3,161	2,407	882	-12%	3,379	78	26	26	(6)	-67%	38,744	495	6,829,015
North Carolina	2	278,028	2,885	1,336	(721)	(307)	-54%	4,390	63	7	2	(6)	-89%	26,509	419	10,487,897
Alabama	2	194,892	2,452	907	(793)	(60)	-63%	2,973	50	-	(6)	-	-100%	39,748	606	4,903,192
Arizona	2	248,139	4,877	666	(861)	(135)	-86%	5,982	172	1	(1)	-	-99%	34,091	822	7,278,621
Nevada	2	102,114	1,447	635	(81)	160	-56%	1,784	38	3	(1)	2	-92%	33,152	579	3,080,195
South Carolina	2	178,917	2,374	894	(517)	71	-62%	3,946	80	10	9	(11)	-88%	34,750	766	5,148,707

Source: Worldometer.com, Transport Futures

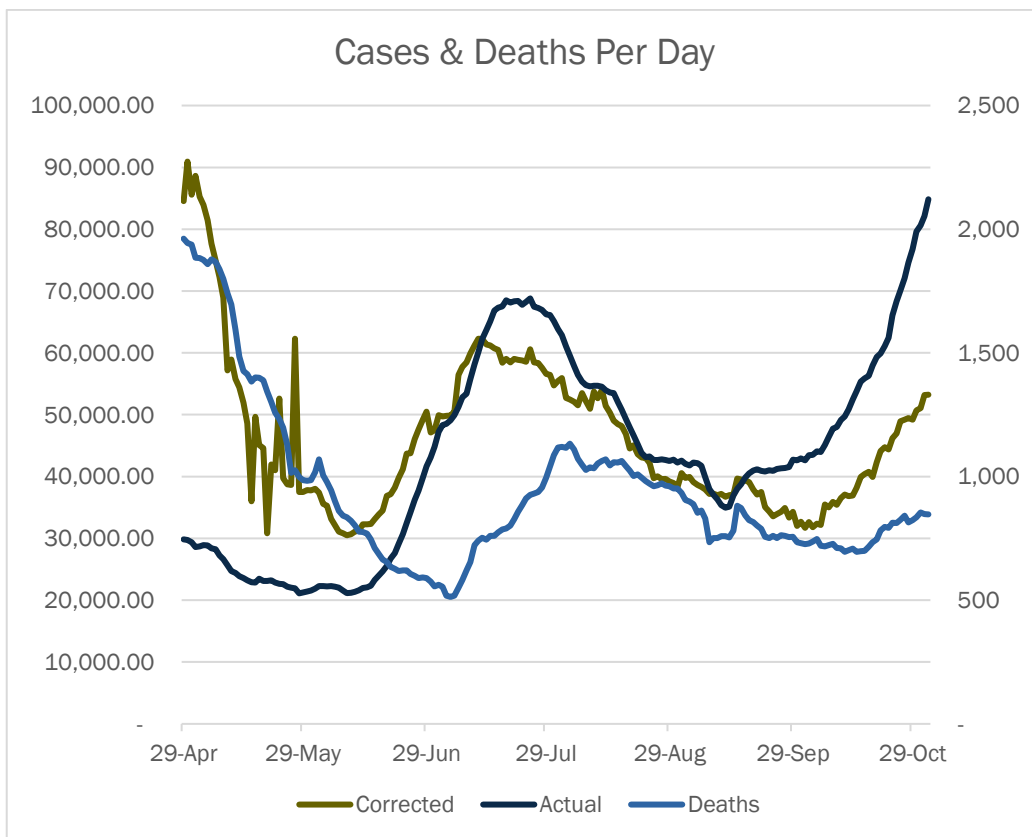
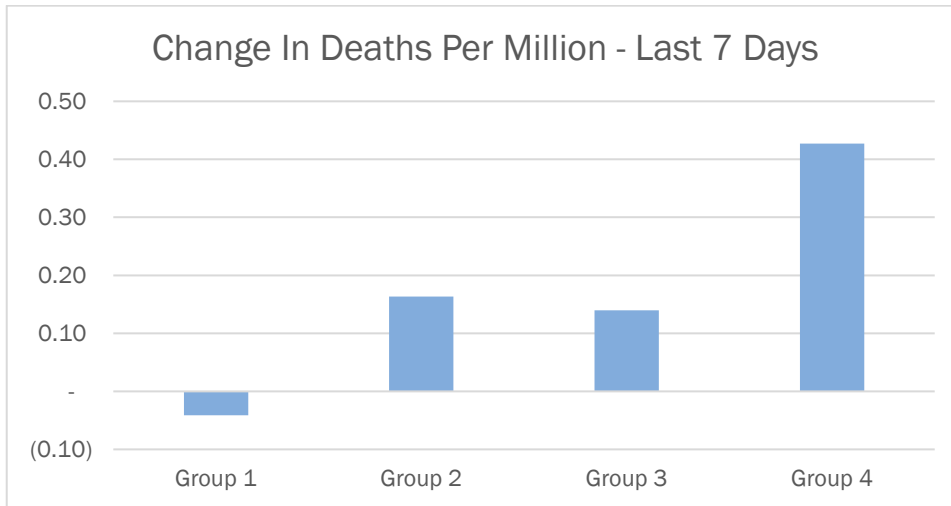
### Exhibit 3



	Hot Spot Group	Total Cases	Max New Cases/Day Since 21 April	New Cases Latest Day	Change in New Cases/Day	Change In Cases/Day Since Week Ago	Change In Cases/Day Since Max	Total Deaths	Max New Deaths/Day Since 21 April	New Deaths Latest Day	Change In New Deaths/Day	Change In Deaths/Day Since Week Ago	Change In Deaths/Day Since Max	Cases/M	Deaths/Million	Population
Ohio	3	221,916	3,826	2,885	(434)	783	-25%	5,399	138	37	25	26	-73%	18,985	462	11,689,615
Washington	3	113,242	1,495	1,671	1,190	512	12%	2,382	32	16	16	(15)	-50%	14,871	313	7,615,063
Mississippi	3	120,865	1,775	365	25	(82)	-79%	3,348	58	-	(14)	(8)	-100%	40,611	1,125	2,976,189
Illinois	3	429,761	7,899	6,222	(758)	1,493	-21%	10,093	191	18	(17)	1	-91%	33,915	796	12,671,873
Michigan	3	204,326	4,109	3,354	3,354	1,337	-18%	7,716	232	17	17	(13)	-93%	20,459	773	9,987,209
Missouri	3	196,226	3,357	2,840	688	574	-15%	3,162	77	7	6	(1)	-91%	31,972	515	6,137,553
Wisconsin	3	232,296	5,279	3,433	(60)	550	-35%	2,050	34	3	(13)	(7)	-91%	39,897	352	5,822,701
Utah	3	117,706	2,292	1,196	(658)	(5)	-48%	614	15	-	(10)	(2)	-100%	36,715	192	3,205,934
Arkansas	3	113,641	1,337	584	(283)	(28)	-56%	1,985	33	27	(6)	6	-18%	37,657	658	3,017,747
Other	3	268,811	4,627	4,476	3,673	796	-3%	5,787	186	30	1	14	-84%	28,905	716	8,241,190
Indiana	4	185,185	3,618	3,077	327	1,103	-15%	4,390	119	26	(6)	13	-78%	27,507	652	6,732,546
Colorado	4	112,147	2,924	2,237	(323)	26	-23%	2,292	122	4	1	1	-97%	19,474	398	5,758,981
Virginia	4	183,418	2,015	1,026	(176)	122	-49%	3,658	45	3	2	1	-93%	21,489	429	8,535,562
Iowa	4	132,136	2,823	1,770	(624)	879	-37%	1,744	28	27	26	14	-4%	41,881	553	3,155,131
Kentucky	4	109,670	1,977	1,028	(395)	104	-48%	1,492	21	3	(1)	-	-86%	24,547	334	4,467,477
Oklahoma	4	125,195	1,829	1,084	(265)	421	-41%	1,354	21	9	1	7	-57%	31,639	342	3,956,946
Minnesota	4	153,620	3,154	2,948	748	1,378	-7%	2,538	39	9	(9)	5	-77%	27,239	450	5,639,743
Kansas	4	90,279	3,669	3,669	3,669	1,483	0%	1,046	26	17	17	16	-35%	30,988	359	2,913,351
New Mexico	4	48,104	1,078	872	130	149	-19%	1,036	13	10	2	1	-23%	22,941	494	2,096,906
Oregon	4	45,978	596	549	41	214	-8%	692	14	1	(1)	(1)	-93%	10,901	164	4,218,066
Idaho	4	65,845	1,094	757	277	60	-31%	632	16	2	1	(5)	-88%	36,845	354	1,787,063
South Dakota	4	47,850	1,559	526	(806)	(12)	-66%	438	19	1	(11)	1	-95%	54,089	495	884,627
Nebraska	4	71,666	1,495	934	934	232	-38%	654	21	2	2	(5)	-90%	37,048	338	1,934,391
New Hampshire	4	11,320	217	106	(24)	37	-51%	483	19	-	-	(2)	-100%	8,325	355	1,359,843
West Virginia	4	25,235	524	352	(71)	35	-33%	458	11	1	1	-	-91%	14,081	256	1,792,229
Maine	4	6,799	103	84	37	31	-18%	148	5	1	1	1	-80%	5,058	110	1,344,330
Vermont	4	2,219	30	23	6	13	-23%	58	3	-	-	-	-100%	3,556	93	624,007
North Dakota	4	46,015	1,433	972	(155)	450	-32%	540	13	9	2	4	-31%	60,382	709	762,045
Hawaii	4	15,231	354	77	(6)	40	-78%	219	11	-	-	-	-100%	10,757	155	1,415,828
Wyoming	4	14,167	521	444	19	8	-15%	87	10	-	-	(9)	-100%	24,478	150	578,769
Montana	4	34,252	1,063	757	63	136	-29%	386	27	10	9	4	-63%	32,048	361	1,068,733
Alaska	4	15,972	1,453	350	2	2	-76%	84	6	1	-	1	-83%	21,833	115	731,588

Source: Worldometer.com, Transport Futures

**Exhibit 4**



Source: [Worldometer.com](http://Worldometer.com), [Transport Futures](http://TransportFutures.net)