

# COVID-19 Statistical Review

*Today's Analysis: Data from January 07, 2020*

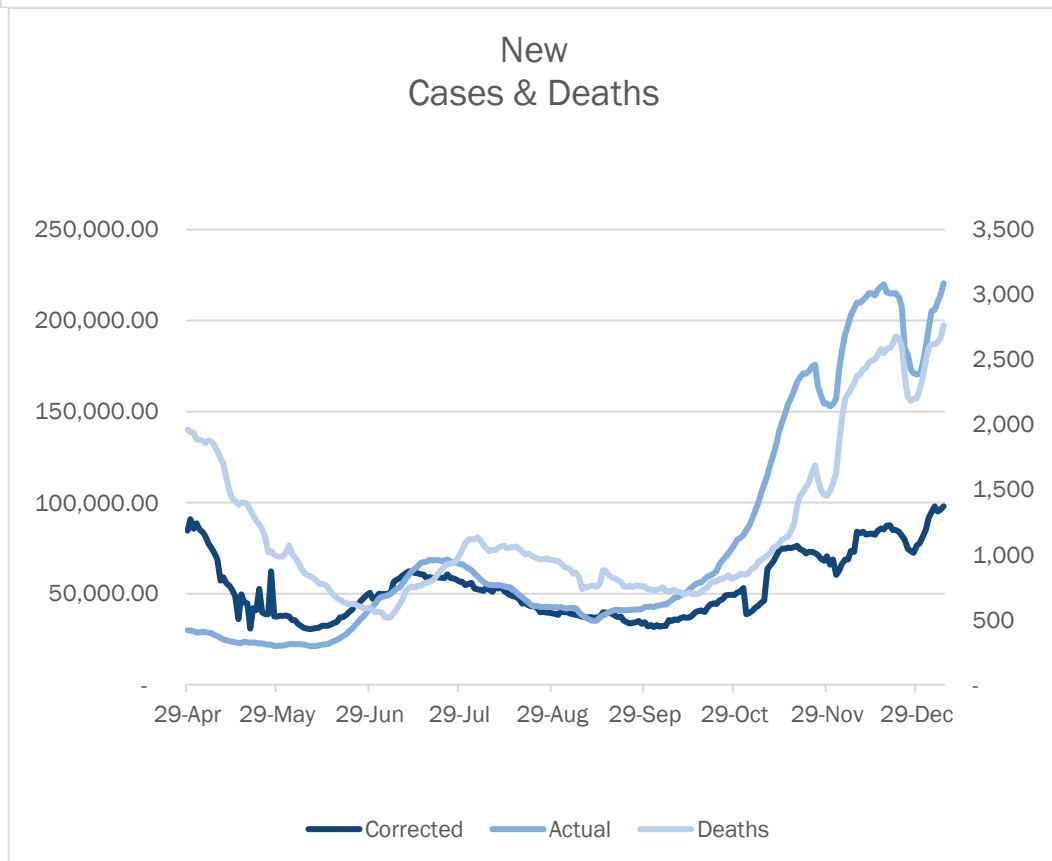
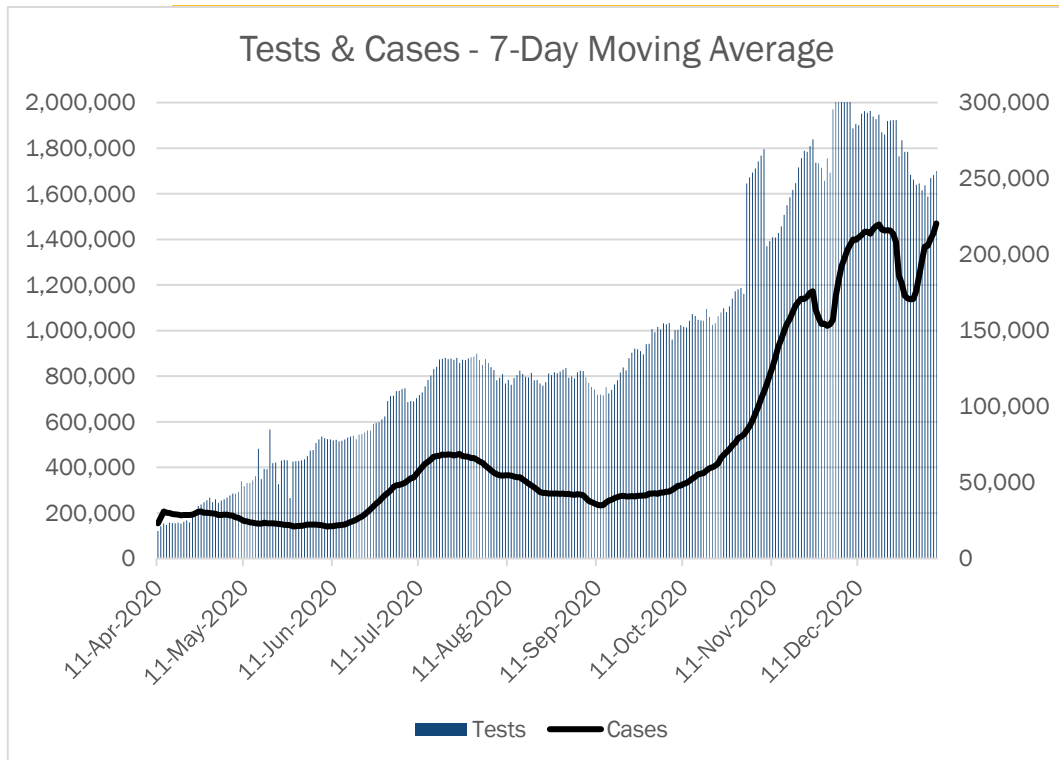
*Thursday was another record day for both new cases and deaths. Although the case numbers are high, the movement in the last couple of days was from increased testing.*

*Note the new charts in Exhibit 6. The first chart presents the ratio of deaths to active cases, a measure of the bug's lethality. That number continues to shrink, telling us two things. The medical establishment is getting better, and the increase in new deaths is from the disease's spread, not a worsening mortality rate. The spread of the infections, despite lockdowns and mask-wearing, tells us much about the difficulty in avoiding exposure. It is maddening that the authorities tell us to isolate and wear masks. But when the numbers go up despite high rates of American compliance, they blame us for their proscriptions' failure. Maybe, their proscriptions are just ineffective.*

*It is also interesting in Exhibit 6 that the ratio of positive to total tests has increased, suggesting an increase in people's propensity to be infected. However, the final chart on Exhibit 6 shows no increases in the ratio of hospitalizations to cases. Throughout this process, there have been multiple warnings of false-positive test results that swell the case numbers. In one test, the number of false positives greatly exceeded the number of valid positives. Perhaps that is the explanation for the disconnect between the higher rate of 'positive tests' and a stable or falling rate of hospitalizations. One would expect the rate of hospitalizations to go up when the chance of infection goes up. This is not to say that hospitalizations have not increased. They clearly have. It does say that the risk we face is from the inevitability of exposure, not an increasingly deadly virus.*

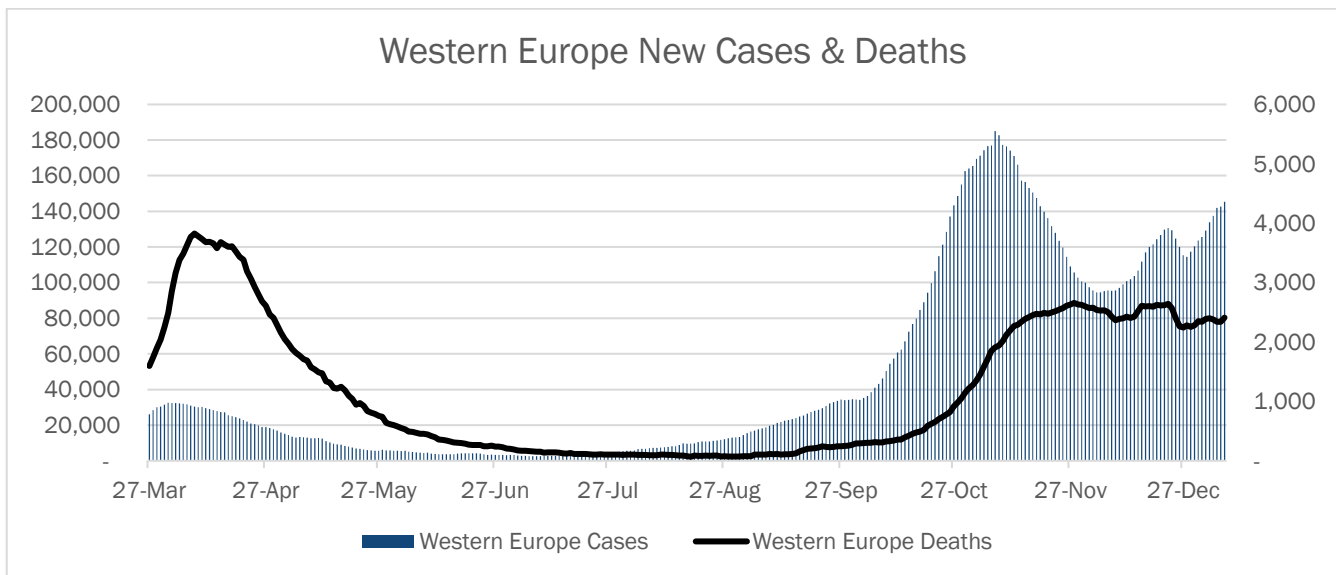
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**Exhibit 1**



Source: *Worldometer.com, Transport Futures*

Exhibit 2.



Country	Status	Cases	Deaths	Death Rate	Pop per case	Pop per death	Daily 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 Week Before	Change in New Death Count Latest Day	Change in New Death Count From Week Ago
China	Recovery	87,278	4,634	5.3%	16,393	333,333	127	63	9	-	31	38	0	0
S. Korea	Recovery	66,686	1,046	1.6%	769	50,000	1,132	868	24	19	29	(99)	-1	-2
Italy	Falling	2,220,361	77,291	3.5%	27	782	40,902	18,020	993	414	(2,311)	(5,457)	-134	-141
Iran	Falling	1,268,263	55,933	4.4%	67	1,511	14,051	6,360	486	103	77	(30)	21	-25
Germany	Rising	1,869,306	39,258	2.1%	45	2,137	31,553	28,078	1,059	1,059	1,427	4,773	40	441
France	Falling	2,727,321	66,841	2.5%	24	978	86,852	21,703	1,495	276	(3,676)	1,776	-7	25
UK	Rising	2,889,419	78,508	2.7%	24	867	58,724	52,618	1,162	1,162	(9,704)	(3,274)	121	198
Norway	Falling	53,792	467	0.9%	101	11,628	825	825	21	1	38	268	-12	1
Netherlands	Falling	850,790	12,084	1.4%	20	1,420	13,032	9,627	234	85	2,528	(54)	-88	-23
Sweden	Rising	482,284	9,262	1.9%	21	1,094	22,319	-	185	32	12,536	12,536	32	32
<b>USA</b>	<b>Rising</b>	<b>22,132,045</b>	<b>374,124</b>	<b>1.7%</b>	<b>15</b>	<b>887</b>	<b>274,190</b>	<b>274,190</b>	<b>4,134</b>	<b>4,134</b>	<b>13,217</b>	<b>45,777</b>	<b>34</b>	<b>696</b>
Spain	Falling	2,024,904	51,675	2.6%	23	905	25,595	16,850	123	123	16,850	1,247	123	-25
Switzerland	Falling	474,764	8,178	1.7%	18	1,063	21,926	3,975	169	69	(833)	(416)	-22	18
Belgium	Falling	655,732	19,883	3.0%	18	584	23,921	2,997	496	56	1,149	166	-21	-24
Denmark	Falling	176,837	1,487	0.8%	33	3,906	4,508	1,842	42	37	(374)	(407)	7	-5
Austria	Falling	374,730	6,568	1.8%	24	1,376	9,586	2,540	218	43	71	(373)	-25	-30
Canada	Inflection	635,134	16,579	2.6%	60	2,288	10,404	8,334	257	210	180	(79)	74	76
Ireland	Rising	127,657	2,307	1.8%	-	2,151	7,832	6,503	220	8	(1,329)	4,881	-9	-3
Portugal	Falling	456,533	7,472	1.6%	22	1,362	10,027	9,927	98	95	(100)	2,300	4	19
Australia	Recovery	28,546	909	3.2%	898	28,571	721	10	59	-	(3)	(14)	0	0
Brazil	Rising	7,961,673	200,498	2.5%	27	1,064	87,134	87,134	1,554	1,455	24,602	31,131	189	419
Malaysia	Recovery	128,465	521	0.4%	254	62,500	3,027	3,027	12	8	434	502	4	0
Mexico	Falling	1,479,835	129,987	8.8%	88	997	13,345	13,345	1,165	1,165	2,074	939	100	113
Singapore	Recovery	58,813	29	0.0%	100	200,000	1,426	33	2	-	2	3	0	0
North America	Rising	24,247,014	520,690	2.1%	21	959	295,869	295,869	5,509	5,509	15,471	46,637	208	885
Western Europe	Rising	15,384,430	381,281	2.5%	26	1,056	213,359	175,505	4,450	3,460	16,272	17,966	9	483
Other	Inflection	48,848,128	1,003,563	2.1%	141	6,847	348,983	348,983	12,726	5,693	7,757	23,120	324	(70)
World	Inflection	88,479,572	1,905,534	2.2%	88	4,090	820,357	820,357	14,662	#####	39,500	87,723	541	1,298

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
USA Total	All	22,132,045	274,190	274,190	13,217	45,777	0%	374,124	3,023	4,134	34	696	37%	66,864	1,130	331,004,361
Hot-Spot Group 1	1	3,819,349	56,395	56,395	2,004	8,128	0%	112,933	1,830	867	(61)	139	-53%	54,591	1,550	67,002,431
Hot-Spot Group 2	2	9,427,395	134,584	134,584	15,489	26,260	0%	130,482	1,833	1,833	144	290	0%	68,849	986	131,632,800
Hot-Spot Group 3	3	4,863,383	63,150	44,821	1,075	6,482	-29%	77,868	1,008	795	34	269	-21%	70,555	1,034	67,059,786
Hot-Spot Group 4	4	4,021,918	52,356	38,390	(5,351)	4,907	-27%	52,841	915	639	(83)	(2)	-30%	55,009	821	71,140,342
New York	1	1,116,929	18,030	18,030	1,278	981	0%	39,149	764	261	91	122	-66%	57,415	2,012	19,453,968
New Jersey	1	564,798	7,531	7,531	1,162	3,033	0%	19,748	458	110	(14)	28	-76%	63,588	2,223	8,882,395
Massachusetts	1	411,601	9,003	7,548	697	288	-16%	12,909	252	73	(29)	(12)	-71%	59,717	1,873	6,892,405
Pennsylvania	1	699,045	13,318	9,866	511	555	-26%	17,272	373	254	(119)	(39)	-32%	54,604	1,349	12,801,381
Louisiana	1	338,054	6,876	4,530	(2,346)	484	-34%	7,728	126	47	1	7	-63%	72,719	1,662	4,648,783
Connecticut	1	202,758	8,457	3,304	818	1,259	-61%	6,287	125	57	19	26	-54%	56,870	1,763	3,565,242
Maryland	1	295,874	3,792	2,970	(176)	(3)	-22%	6,173	77	41	(9)	(6)	-47%	48,940	1,021	6,045,713
Rhode Island	1	96,591	1,717	1,128	(483)	1,128	-34%	1,910	27	20	-	20	-26%	91,179	1,803	1,059,367
District Of Columbia	1	30,750	492	268	(48)	43	-46%	808	19	2	(3)	(4)	-89%	43,571	1,145	705,739
Delaware	1	62,949	1,220	1,220	591	360	0%	949	69	2	2	(3)	-97%	64,645	975	973,792
California	2	2,577,458	61,569	39,632	4,656	8,383	-36%	28,511	562	488	(74)	(92)	-13%	65,232	722	39,511,060
Florida	2	1,429,722	19,816	19,816	2,033	2,624	0%	22,491	276	159	27	34	-42%	66,568	1,047	21,477,832
Texas	2	1,916,872	31,646	22,710	(2,503)	5,537	-28%	29,724	367	367	38	38	0%	66,108	1,025	28,995,746
Georgia	2	723,630	11,709	9,790	2,104	(1,919)	-16%	11,230	122	65	(28)	(23)	-47%	68,155	1,058	10,617,138
Tennessee	2	634,237	11,410	9,000	1,412	3,007	-21%	7,492	177	111	(3)	14	-37%	92,872	1,097	6,829,015
North Carolina	2	592,746	10,398	10,398	3,446	3,683	0%	7,213	166	137	57	118	-17%	56,516	688	10,487,897
Alabama	2	389,230	5,498	5,046	455	640	-8%	5,080	108	86	(22)	33	-20%	79,383	1,036	4,903,192
Arizona	2	584,593	11,806	9,913	2,707	2,195	-2%	9,741	297	297	170	151	0%	80,315	1,338	7,278,621
Nevada	2	240,795	3,772	3,402	1,464	1,265	-10%	3,339	60	44	(16)	(15)	-27%	78,176	1,084	3,080,195
South Carolina	2	338,112	5,211	4,877	(285)	845	-6%	5,661	89	79	(5)	32	-11%	65,669	1,099	5,148,707

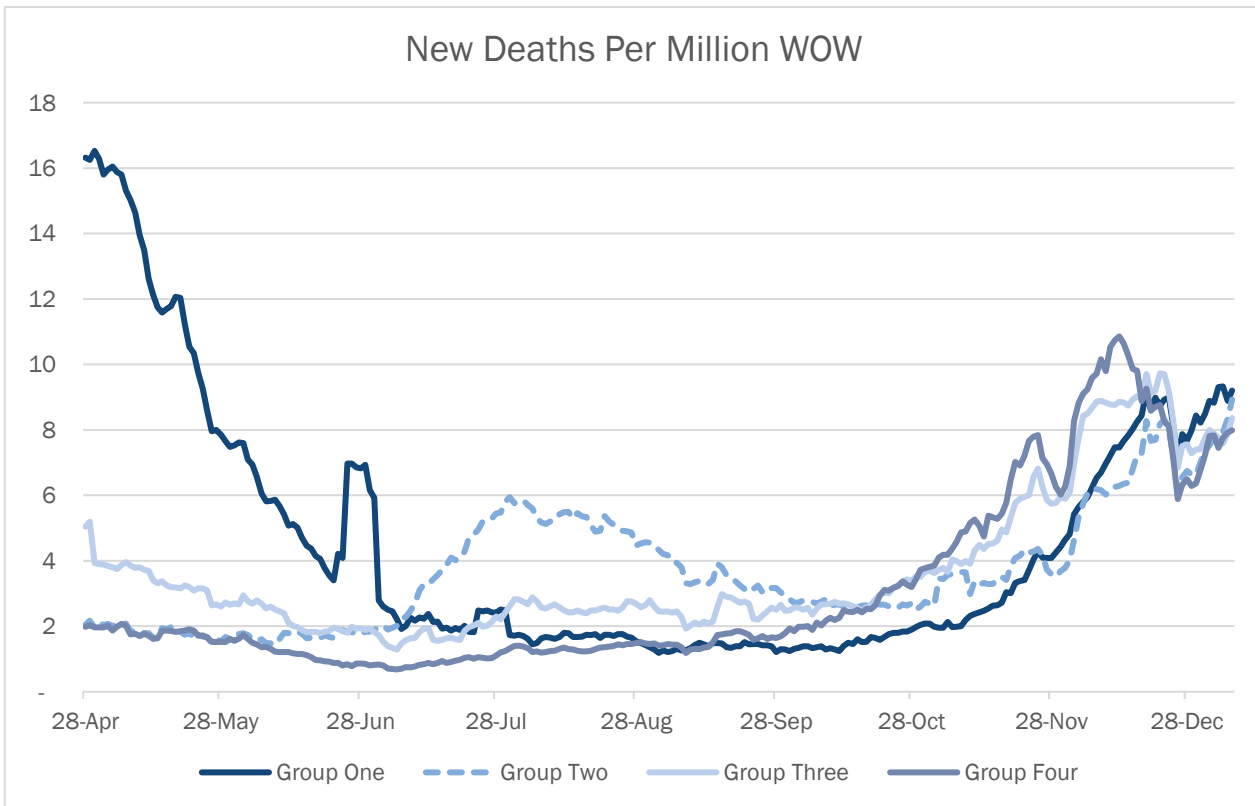
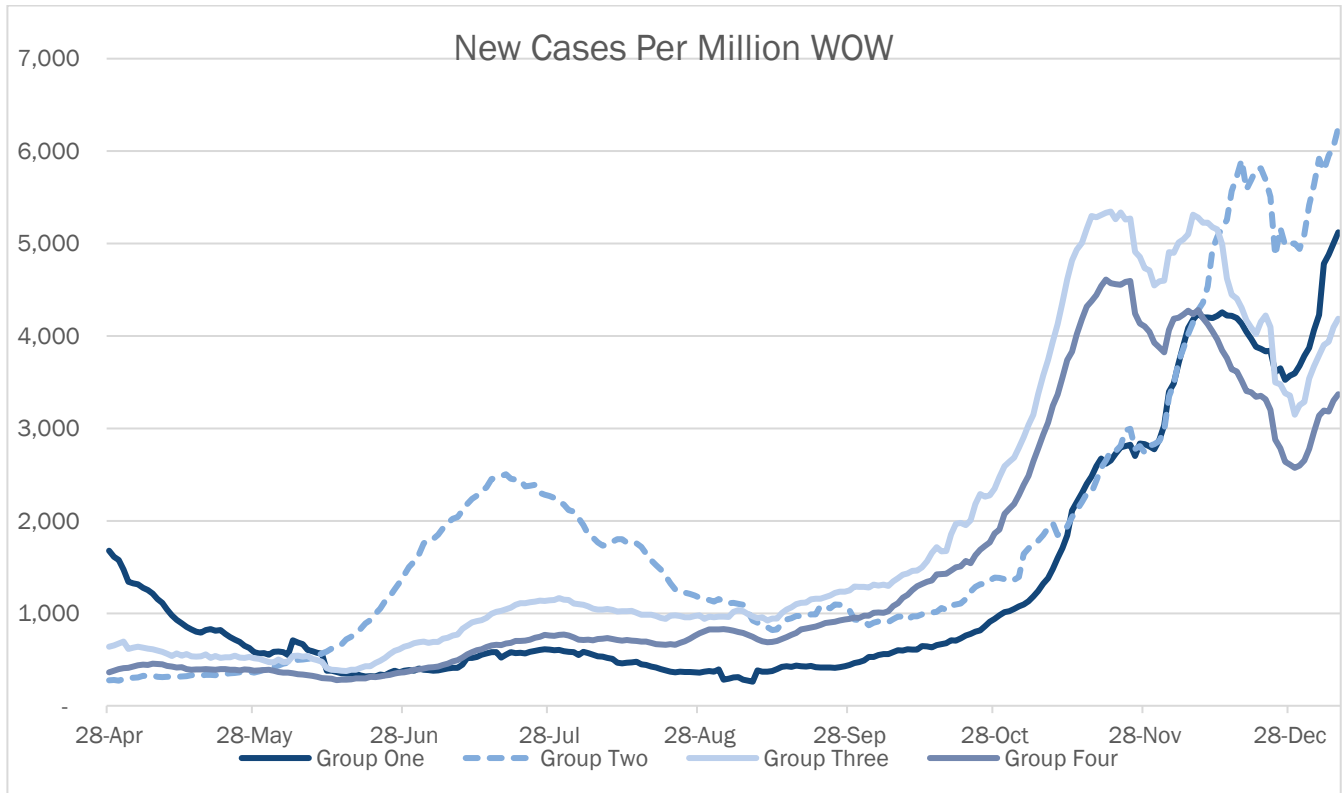
Source: Worldometer.com, Transport Futures

Exhibit 4.

	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	753,068	14,293	10,251	2,437	619	-28%	9,463	138	95	(26)	(13)	-31%	64,425	810	11,689,615
Washington	3	267,779	6,615	3,173	1,020	(445)	-52%	3,762	92	37	(24)	13	-60%	35,165	494	7,615,063
Mississippi	3	231,490	3,255	3,255	464	499	0%	5,061	91	48	10	8	-47%	77,782	1,701	2,976,189
Illinois	3	1,008,045	15,415	8,757	1,188	748	-43%	18,941	235	206	33	39	-12%	79,550	1,495	12,671,873
Michigan	3	555,747	10,140	4,249	(607)	4,249	-58%	13,873	275	206	147	206	-25%	55,648	1,389	9,987,209
Missouri	3	440,110	6,539	-	(2,966)	-	-100%	6,338	174	-	(60)	-	-100%	71,709	1,033	6,137,553
Wisconsin	3	498,538	7,989	3,791	385	(19)	-53%	5,079	92	40	(20)	(1)	-57%	85,624	872	5,822,701
Utah	3	297,317	4,597	4,597	828	(75)	0%	1,359	30	29	11	16	-3%	92,739	424	3,205,934
Arkansas	3	245,916	4,304	3,323	(382)	615	-23%	3,926	65	25	(40)	(14)	-62%	81,488	1,301	3,017,747
Other	3	565,373	10,434	3,425	(1,292)	291	-67%	10,066	186	109	3	15	-41%	66,864	1,130	2,764,129
Indiana	4	546,499	8,460	7,270	1,124	802	-14%	8,823	149	80	-	(23)	-46%	81,177	1,311	6,732,546
Colorado	4	352,923	6,439	3,473	916	235	-46%	5,102	267	52	(7)	(12)	-81%	61,285	886	5,758,981
Virginia	4	382,679	5,387	5,379	(8)	140	0%	5,275	64	49	14	1	-23%	44,834	618	8,535,562
Iowa	4	291,765	5,451	1,815	(810)	103	-67%	4,065	102	5	(56)	(64)	-95%	92,475	1,288	3,155,131
Kentucky	4	291,430	5,705	4,889	(816)	4,889	-14%	2,843	37	37	3	37	0%	65,231	636	4,467,477
Oklahoma	4	315,354	5,119	3,781	476	(125)	-26%	2,672	62	39	(23)	3	-37%	79,696	675	3,956,946
Minnesota	4	429,570	8,946	1,983	(343)	(212)	-78%	5,640	101	44	(32)	(17)	-56%	76,170	1,000	5,639,743
Kansas	4	239,242	7,002	-	(5,345)	-	-100%	3,027	193	-	(130)	-	-100%	82,120	1,039	2,913,351
New Mexico	4	151,819	3,665	1,835	350	157	-50%	2,680	48	39	(8)	(2)	-19%	72,404	1,278	2,096,906
Oregon	4	121,085	1,806	862	127	(787)	-52%	1,568	53	10	2	1	-81%	28,709	372	4,218,066
Idaho	4	147,173	2,298	1,067	(196)	(146)	-54%	1,517	35	29	12	(4)	-17%	82,355	849	1,787,063
South Dakota	4	102,132	2,020	448	(160)	4	-78%	1,544	54	25	19	1	-54%	115,448	1,745	884,627
Nebraska	4	173,591	3,440	1,122	(314)	(379)	-67%	1,811	109	108	97	68	-1%	89,739	936	1,934,391
New Hampshire	4	49,261	1,266	423	(423)	(363)	-67%	827	21	11	(13)	(7)	-48%	36,229	608	1,359,843
West Virginia	4	96,002	2,486	1,324	(192)	215	-47%	1,518	37	37	(2)	17	0%	53,568	847	1,792,229
Maine	4	27,625	2,456	535	10	(167)	-78%	385	20	13	10	-	-35%	20,551	286	1,344,330
Vermont	4	8,403	245	245	125	109	0%	155	6	3	-	1	-50%	13,467	248	624,007
North Dakota	4	94,156	2,270	324	(14)	31	-86%	1,341	37	7	2	(3)	-81%	123,554	1,760	762,045
Hawaii	4	22,631	354	321	179	133	-9%	299	11	-	(10)	(3)	-100%	15,984	211	1,415,828
Wyoming	4	46,168	1,260	278	(43)	2	-78%	489	33	25	25	(8)	-24%	79,771	845	578,769
Montana	4	84,750	1,642	690	8	435	-58%	1,038	37	23	13	12	-38%	79,296	971	1,068,733
Alaska	4	47,660	1,453	326	(2)	(169)	-78%	222	18	3	1	-	-83%	65,150	303	731,588

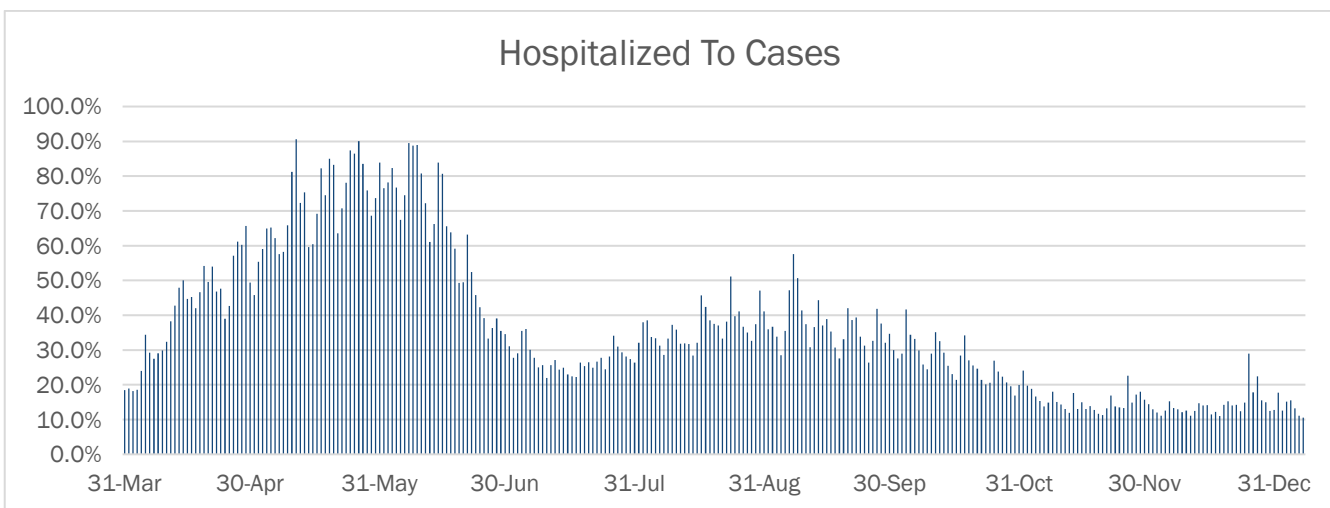
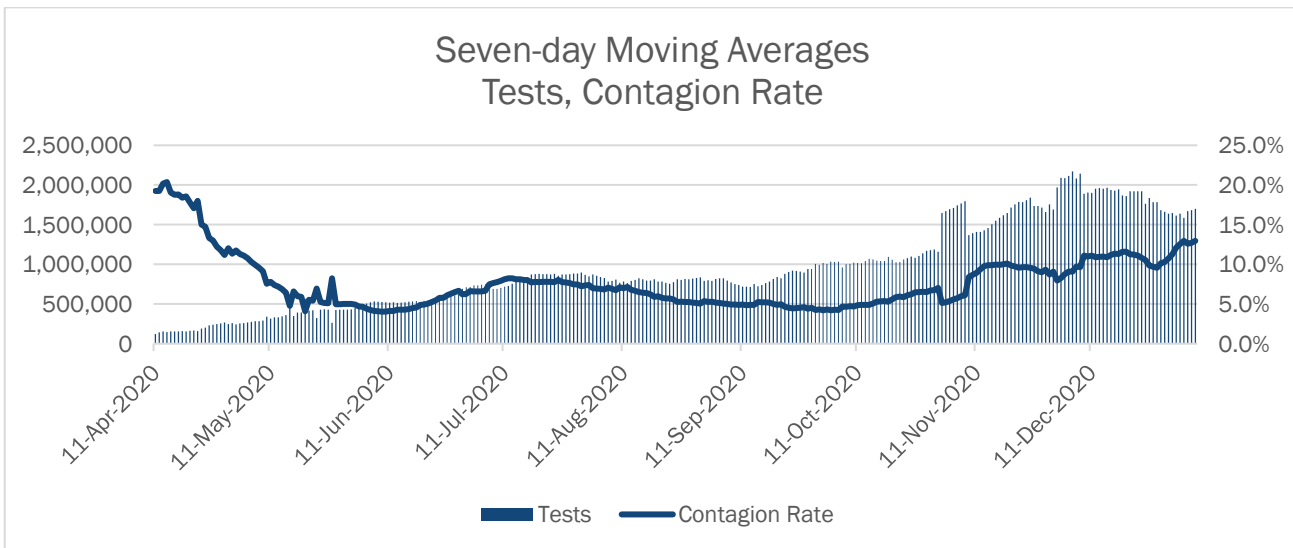
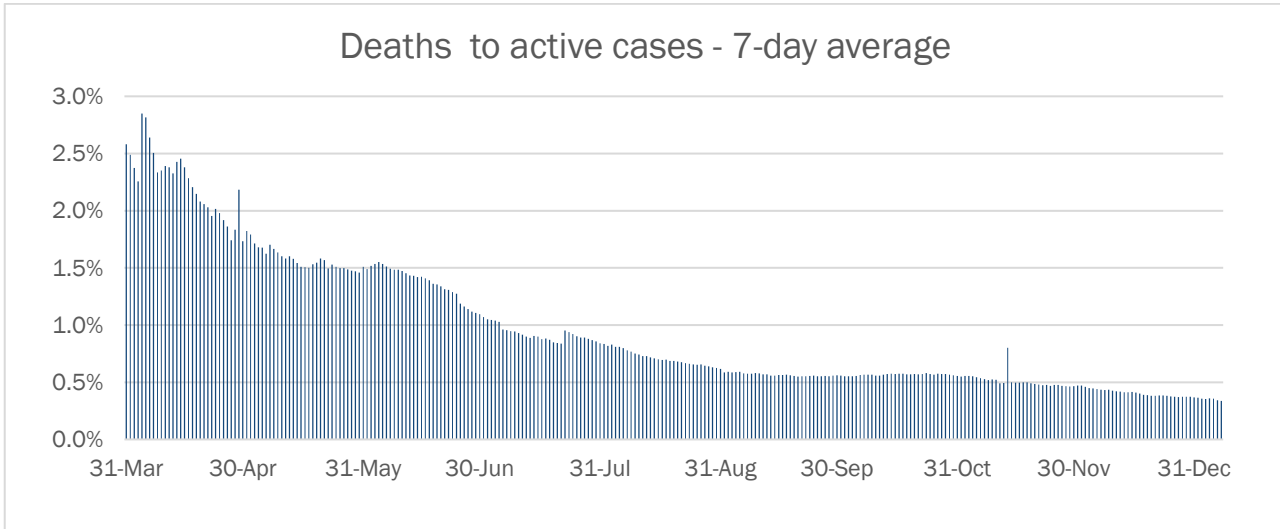
Source: Worldometer.com, Transport Futures

Exhibit 5



Source: [Worldometer.com](https://www.worldometer.com), [Transport Futures](https://www.transportfutures.net)

Exhibit 6



Source: [Worldometer.com](http://Worldometer.com), [Transport Future](http://Transport Future)