

# COVID-19 Statistical Review

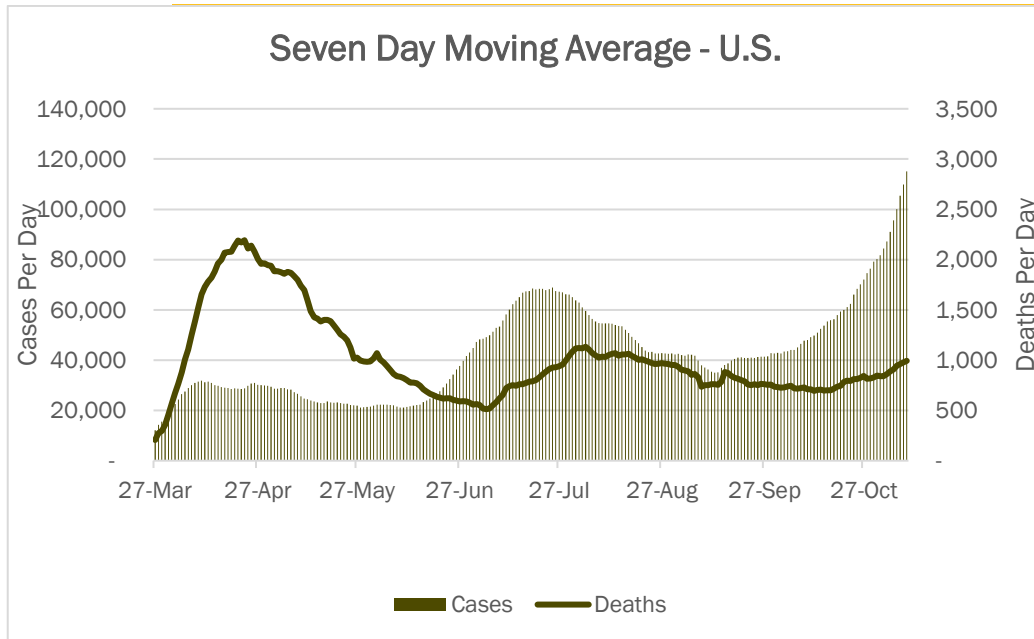
*Today's Analysis: Data from November 09, 2020*

*On Monday, there was another significant increase in cases WOW and another modest increase in deaths. The action remained in Groups Three and Four.*

*Using a crude method one can divide the increase in cases between seasonal and regional-spread causes. For cases, 58% of the increase appears to be seasonal while 42% of the death increases looks seasonal.*

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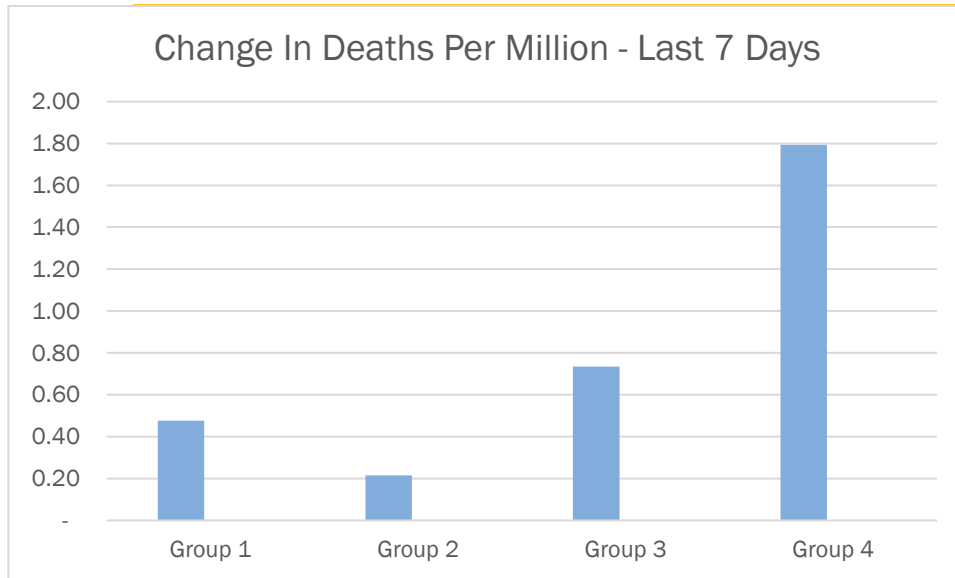
**Exhibit 1**



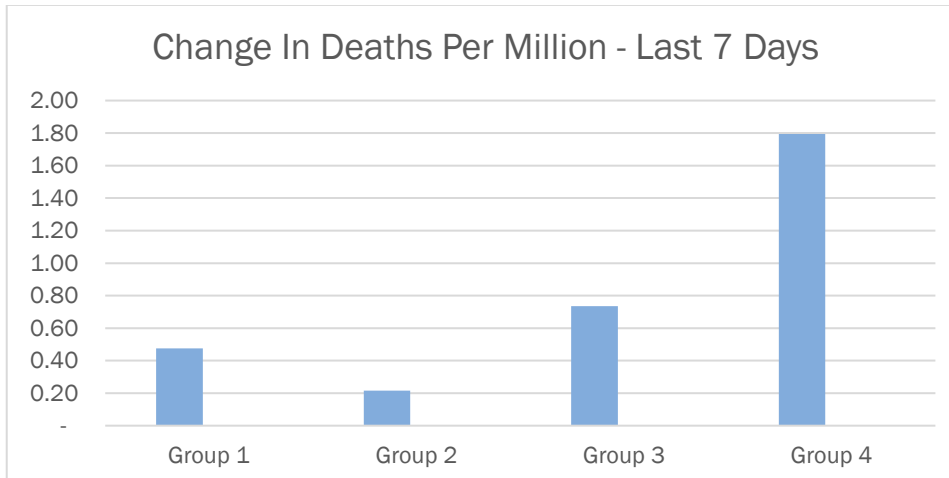
Country	Status	Cases	Deaths	Death Rate	Pop per case	Pop per death	Daly Max Cases	New Cases Latest Day	Daily Max Deaths	New Deaths Latest Day	Change In New Case Count Latest Day	Change In New Case Count From Week Before	Change in New Death Count Latest Day	Change in New Death Count From Week Ago
China	Recovery	86,245	4,634	5.4%	16,667	333,333	127	33	9	-	5	9	0	0
S. Korea	Recovery	27,553	480	1.7%	1,862	111,111	441	126	9	2	(17)	29	1	0
Italy	Rising	960,373	41,750	4.3%	63	1,447	39,811	25,271	919	356	(7,345)	3,018	25	123
Iran	Rising	692,949	38,749	5.6%	122	2,179	10,463	10,463	458	458	1,227	2,174	-1	18
Germany	Rising	688,972	11,657	1.7%	122	7,194	22,246	16,465	333	152	2,439	225	82	40
France	Falling	1,807,479	40,987	2.3%	36	1,595	86,852	20,155	1,495	548	(18,464)	(32,363)	278	132
UK	Recovery	1,213,363	49,238	4.1%	56	1,381	26,688	21,350	980	194	778	2,400	38	58
Norway	Recovery	25,325	285	1.1%	215	19,231	651	593	16	-	104	(111)	0	0
Netherlands	Recovery?	414,745	8,043	1.9%	41	2,132	11,119	4,680	234	39	(984)	(3,606)	-5	10
Sweden	Rising	146,461	6,022	4.1%	69	1,681	3,180	-	185	-	-	-	0	0
<b>USA</b>	<b>Rising</b>	<b>10,421,835</b>	<b>244,448</b>	<b>2.3%</b>	<b>32</b>	<b>1,357</b>	<b>101,461</b>	<b>125,568</b>	<b>2,804</b>	<b>641</b>	<b>22,842</b>	<b>36,663</b>	<b>129</b>	<b>119</b>
Spain	Recovery	1,426,602	39,345	2.8%	33	1,189	25,595	18,340	961	170	18,340	-	170	43
Switzerland	Falling	229,222	2,902	1.3%	38	2,994	21,926	17,309	75	130	17,309	(4,617)	136	52
Belgium	Falling	500,789	13,055	2.6%	23	889	23,921	6,621	496	148	497	(5,168)	-51	36
Denmark	Recovery?	55,892	747	1.3%	104	7,752	1,427	771	22	4	(120)	(171)	1	3
Austria	Rising	158,746	1,454	0.9%	57	6,211	8,241	5,593	41	43	(340)	1,458	9	14
Canada	Rising	268,735	10,564	3.9%	141	3,584	4,622	4,622	222	42	564	1,200	10	13
Ireland	Recovery	65,659	1,948	3.0%	-	2,545	1,515	265	220	1	(274)	(483)	-1	-1
Portugal	Rising	183,420	2,959	1.6%	56	3,448	7,497	4,096	37	63	(1,688)	1,590	15	17
Australia	Recovery	27,668	907	3.3%	925	28,571	721	10	59	-	4	3	0	0
Brazil	Falling	5,675,766	162,638	2.9%	38	1,311	70,869	11,651	1,554	241	1,097	3,150	130	73
Malaysia	Recovery	41,181	294	0.7%	789	111,111	1,755	972	8	8	120	138	4	6
Mexico	Falling	967,825	95,027	9.8%	134	1,362	9,556	5,887	1,092	219	(923)	1,457	286	77
Singapore	Recovery	58,064	28	0.0%	101	200,000	1,426	8	2	-	6	7	0	0
North America	Rising	11,658,395	350,039	3.0%	43	1,426	142,578	136,077	2,974	902	22,483	39,320	(127)	209
Western Europe	Falling	7,877,048	220,392	2.8%	51	1,826	208,662	141,509	4,450	1,848	10,252	(37,828)	677	527
Other	Rising	31,697,758	698,474	2.2%	217	9,839	270,568	204,141	7,030	4,015	(23,476)	7,618	376	328
World	Rising	51,233,201	1,268,905	2.5%	152	6,143	623,266	481,727	8,843	6,765	9,259	9,110	926	1,064

Source: Worldometer.com, Transport Futures

## Exhibit 2

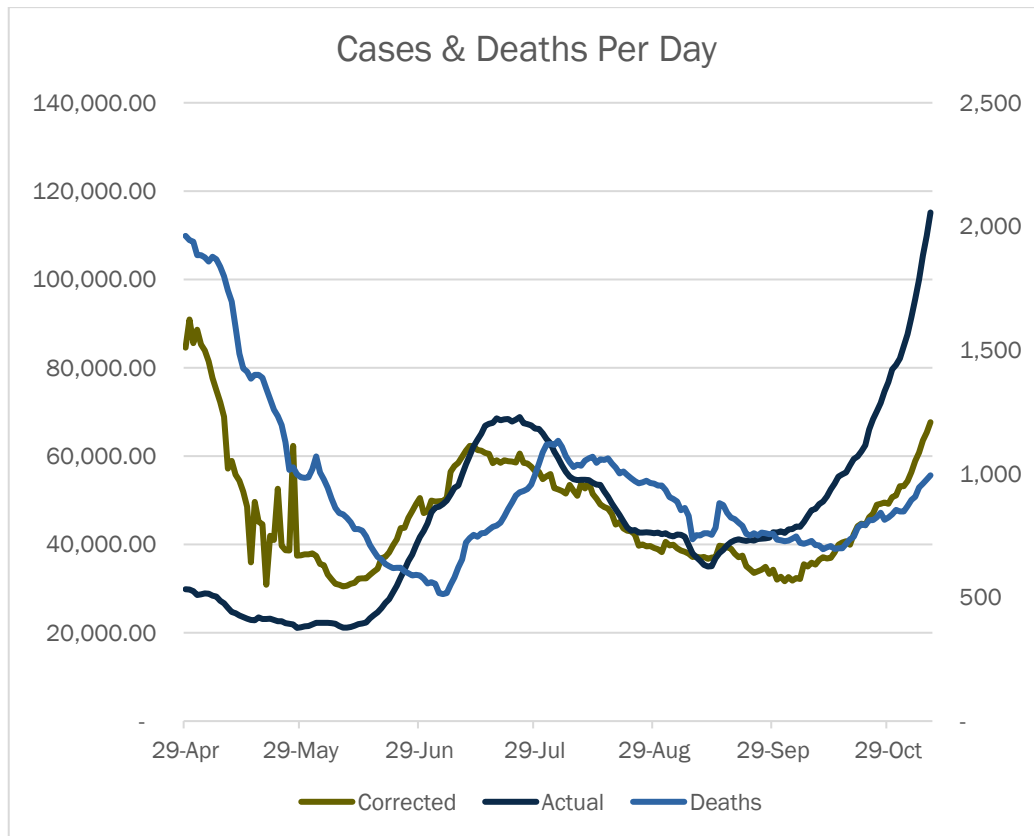


	Hot Spot Group	Total Cases	Max New Cases/Day Since 21 April	New Cases Latest Day	Change in New Cases/Day	Change In Cases/Day Since Week Ago	Change In Cases/Day Since Max	Total Deaths	Max New Deaths/Day Since 21 April	New Deaths Latest Day	Change In New Deaths/Day	Change In Deaths/Day Since Week Ago	Change In Deaths/Day Since Max	Cases/M	Deaths/Million	Population
USA Total	All	10,288,480	86,293	102,726	(21,506)	31,405	19%	243,768	2,804	512	(519)	113	-82%	31,083	736	331,004,361
Hot-Spot Group 1	1	1,733,423	21,922	12,792	(813)	3,941	-42%	87,148	1,830	81	(16)	17	-96%	25,871	1,191	67,002,431
Hot-Spot Group 2	2	4,579,497	50,036	30,855	(1,763)	8,908	-38%	86,369	1,063	123	(278)	37	-88%	34,790	656	131,632,800
Hot-Spot Group 3	3	2,238,957	42,363	31,189	(10,380)	10,900	-26%	44,311	477	151	(126)	1	-68%	33,387	616	67,059,786
Hot-Spot Group 4	4	1,736,603	39,972	27,890	(8,550)	7,656	-30%	25,940	332	157	(99)	58	-53%	24,411	380	71,140,342
New York	1	565,716	10,868	3,351	(64)	1,175	-69%	33,821	764	20	4	1	-97%	29,080	1,739	19,453,968
New Jersey	1	260,080	4,160	2,236	(684)	589	-46%	16,563	458	4	(8)	-	-99%	29,281	1,865	8,882,395
Massachusetts	1	171,399	4,946	1,823	(479)	692	-63%	10,149	252	20	(3)	(2)	-92%	24,867	1,472	6,892,405
Pennsylvania	1	235,162	3,236	2,580	(656)	896	-20%	9,100	294	4	(33)	(1)	-99%	18,369	711	12,801,381
Louisiana	1	187,961	3,840	1,266	1,266	195	-67%	6,036	126	20	20	13	-84%	40,432	1,298	4,648,783
Connecticut	1	78,125	2,651	-	-	-	-100%	4,671	125	-	-	-	-100%	21,913	1,310	3,565,242
Maryland	1	153,996	1,730	1,081	(329)	217	-38%	4,212	77	11	4	6	-86%	25,472	697	6,045,713
Rhode Island	1	36,380	630	-	-	-	-100%	1,224	27	-	-	-	-100%	34,341	1,155	1,059,367
District Of Columbia	1	18,001	335	110	11	7	-67%	654	19	-	(2)	-	-100%	25,506	927	705,739
Delaware	1	26,603	458	345	122	170	-25%	718	69	2	2	-	-97%	27,320	737	973,792
California	2	975,712	12,137	4,975	106	1,443	-59%	17,977	197	14	(10)	8	-93%	24,694	455	39,511,060
Florida	2	843,897	15,300	6,820	2,368	1,955	-55%	17,121	276	21	(66)	(6)	-92%	39,292	797	21,477,832
Texas	2	1,019,976	12,235	6,584	1,311	2,391	-46%	19,286	322	39	(54)	6	-88%	35,177	665	28,995,746
Georgia	2	406,061	4,813	1,439	(756)	247	-70%	8,648	122	1	(38)	(1)	-99%	38,245	815	10,617,138
Tennessee	2	281,851	5,071	3,636	(1,435)	2,832	-28%	3,595	78	5	(44)	5	-94%	41,272	526	6,829,015
North Carolina	2	293,339	2,908	2,094	(582)	37	-28%	4,607	67	2	(21)	(3)	-97%	27,969	439	10,487,897
Alabama	2	203,687	2,452	1,205	(563)	(495)	-51%	3,084	50	2	(31)	(4)	-96%	41,542	629	4,903,192
Arizona	2	259,264	4,877	1,880	(740)	353	-61%	6,164	172	17	(21)	15	-90%	35,619	847	7,278,621
Nevada	2	110,022	1,824	1,276	(548)	560	-30%	1,851	38	1	(4)	(3)	-97%	35,720	601	3,080,195
South Carolina	2	185,688	2,374	946	(924)	(465)	-60%	4,036	80	21	11	20	-74%	36,065	784	5,148,707



	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	250,268	4,997	4,541	(1,008)	1,222	-9%	5,559	138	11	(1)	(1)	-92%	21,410	476	11,689,615
Washington	3	120,740	1,660	1,193	133	712	-28%	2,450	32	1	1	1	-97%	15,856	322	7,615,063
Mississippi	3	126,689	1,775	804	(227)	464	-55%	3,443	58	10	(4)	(4)	-83%	42,568	1,157	2,976,189
Illinois	3	487,987	12,438	10,009	(2,429)	3,029	-20%	10,538	191	50	(41)	15	-74%	38,510	832	12,671,873
Michigan	3	229,003	6,103	-	(6,434)	-	-100%	7,945	232	-	(65)	-	-100%	22,930	796	9,987,209
Missouri	3	218,257	5,571	5,571	4,364	3,419	0%	3,326	77	24	19	23	-69%	35,562	542	6,137,553
Wisconsin	3	267,410	7,065	4,280	(2,785)	787	-39%	2,312	34	11	(34)	(5)	-68%	45,928	397	5,822,701
Utah	3	132,621	2,987	2,386	(570)	532	-20%	659	17	1	(8)	(9)	-94%	41,367	206	3,205,934
Arkansas	3	121,866	1,870	1,038	(560)	171	-44%	2,085	33	17	5	(16)	-48%	40,382	691	3,017,747
Other	3	284,116	4,812	1,367	(804)	564	-72%	5,994	186	26	2	(3)	-86%	31,083	736	8,241,190
Indiana	4	210,374	4,899	4,652	(247)	1,902	-5%	4,629	119	39	(4)	7	-67%	31,249	688	6,732,546
Colorado	4	130,984	3,498	3,017	(481)	457	-14%	2,394	122	5	(8)	2	-96%	22,745	416	5,758,981
Virginia	4	192,175	2,103	1,302	(801)	100	-38%	3,707	45	3	(19)	2	-93%	22,515	434	8,535,562
Iowa	4	152,802	5,048	3,368	(995)	974	-33%	1,842	28	12	1	11	-57%	48,431	584	3,155,131
Kentucky	4	120,838	2,268	1,177	(979)	(246)	-48%	1,565	21	4	(13)	-	-81%	27,047	350	4,467,477
Oklahoma	4	136,258	2,101	-	(4,741)	(1,349)	-100%	1,438	21	-	(9)	(8)	-100%	34,435	363	3,956,946
Minnesota	4	180,862	5,908	5,908	1,261	3,708	0%	2,710	39	31	(3)	13	-21%	32,070	481	5,639,743
Kansas	4	99,291	4,762	87	(362)	87	-98%	1,166	26	-	-	-	-100%	34,082	400	2,913,351
New Mexico	4	54,881	1,284	1,210	(67)	468	-6%	1,118	23	14	(2)	6	-39%	26,173	533	2,096,906
Oregon	4	50,448	979	861	(118)	353	-12%	730	14	1	(12)	(1)	-93%	11,961	173	4,218,066
Idaho	4	72,961	1,403	649	(754)	169	-54%	686	17	3	(1)	2	-82%	40,827	384	1,787,063
South Dakota	4	55,402	1,559	1,426	89	94	-9%	536	28	13	-	1	-54%	62,625	606	884,627
Nebraska	4	82,395	2,681	-	-	-	-100%	703	27	-	-	-	-100%	42,594	363	1,934,391
New Hampshire	4	12,488	247	247	18	117	0%	489	19	-	(1)	-	-100%	9,184	360	1,359,843
West Virginia	4	28,404	662	662	7	239	0%	502	11	-	(15)	-	-100%	15,849	280	1,792,229
Maine	4	7,693	184	90	(69)	43	-51%	152	5	-	(2)	-	-100%	5,723	113	1,344,330
Vermont	4	2,390	43	43	22	26	0%	59	3	-	(1)	-	-100%	3,830	95	624,007
North Dakota	4	54,305	1,765	1,101	(501)	(26)	-38%	639	29	11	(4)	4	-62%	71,261	839	762,045
Hawaii	4	15,947	354	128	-	45	-64%	221	11	1	-	1	-91%	11,263	156	1,415,828
Wyoming	4	17,310	996	713	521	288	-28%	114	12	9	9	9	-25%	29,909	197	578,769
Montana	4	39,679	1,063	731	(270)	37	-31%	456	27	11	(15)	10	-59%	37,126	427	1,068,733
Alaska	4	18,716	1,453	518	(83)	170	-64%	84	6	-	-	(1)	-100%	25,584	115	731,588

Exhibit 4



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