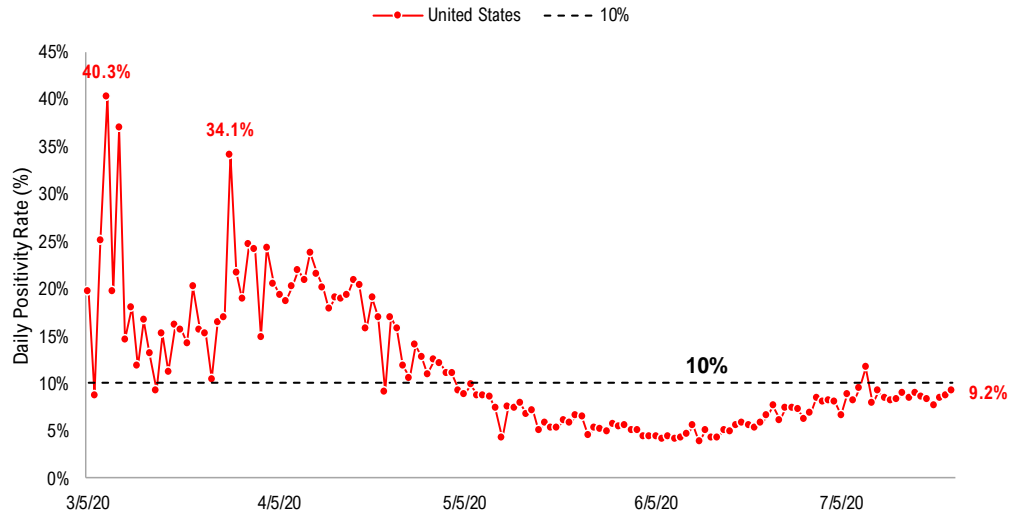
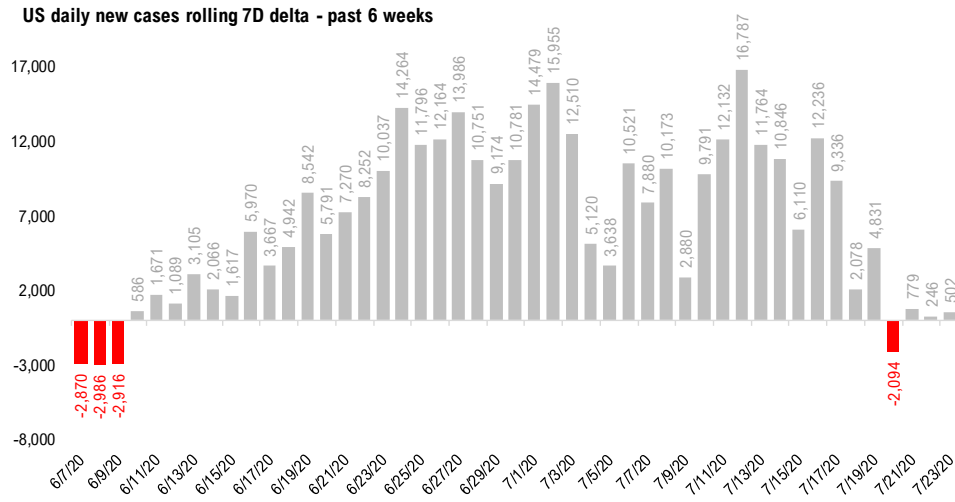
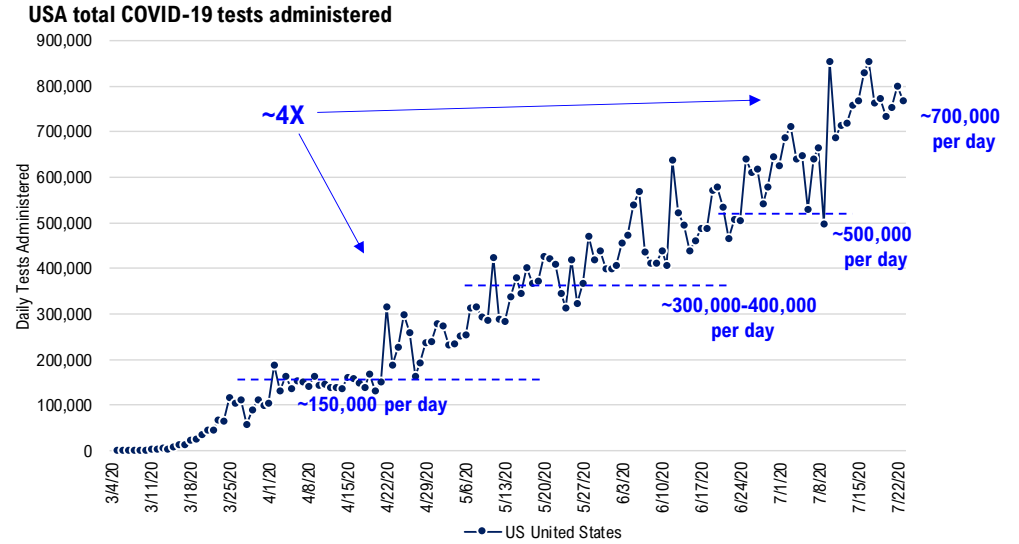
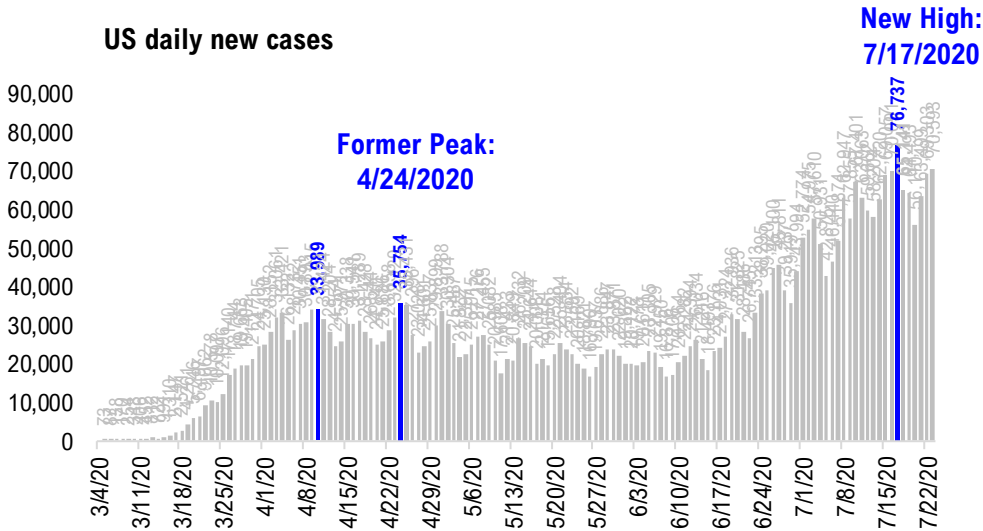


FS Insight Daily COVID-19 Chartbook



#1: USA COVID-19 Situation at a Glance...



#2: US New Cases by States... (sorted by today's new cases)

Sorted
Last 3-day trend growth rates

MA stats is not available as of Thursday 8PM...

	7/21/20	7/22/20	7/23/20	
United States	63,499	69,303	70,593	+1,290
States:				
1 California	9,231	12,807	12,040	
2 Florida	9,440	9,785	10,249	
3 Texas	9,305	9,879	9,507	
4 Georgia	3,413	3,314	4,286	<--higher
5 Tennessee	2,190	2,473	2,570	
6 Alabama	1,467	1,455	2,399	<--higher
7 Arizona	3,500	1,926	2,335	
8 Louisiana	1,691	2,771	2,296	
9 North Carolina	1,815	2,140	1,892	
10 Missouri	1,138	1,301	1,637	<--higher
11 Illinois	955	1,598	1,624	
12 South Carolina	1,892	1,705	1,564	
13 Ohio	1,047	1,527	1,444	
14 Nevada	815	1,129	1,262	
15 Wisconsin	1,117	712	1,052	
16 Arkansas	728	591	1,013	<--higher
17 Mississippi	1,635	1,547	982	
18 Pennsylvania	1,027	631	962	
19 Indiana	710	757	929	<--higher
20 Virginia	996	1,022	844	
21 Iowa	308	319	841	<--higher
22 New York	855	705	811	
23 Minnesota	350	504	760	<--higher
24 Michigan	573	523	699	<--higher
25 Washington	797	832	672	
26 Oklahoma	893	975	668	
27 Maryland	860	627	664	
28 Colorado	493	639	616	

Sorted
Last 3-day trend growth rates

MA stats is not available as of Thursday 8PM...

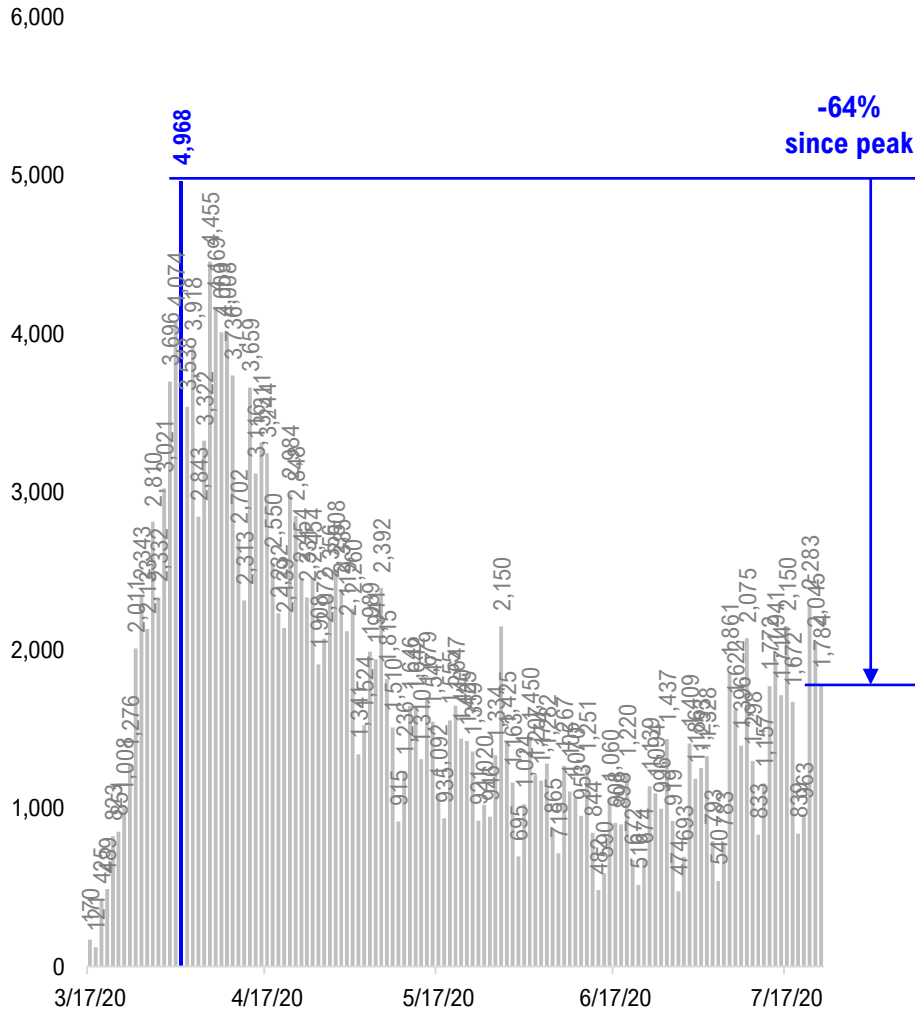
	7/21/20	7/22/20	7/23/20	
United States	63,499	69,303	70,593	+1,290
States:				
29 Kentucky	646	480	607	
30 Utah	486	566	521	
31 Idaho	556	500	414	
32 New Mexico	302	311	335	
33 Nebraska	343	296	332	
34 Oregon	292	254	320	
35 Puerto Rico	244	75	244	
36 New Jersey	293	389	242	
37 Delaware	122	46	132	
38 North Dakota	81	160	126	
39 Montana	94	104	97	
40 West Virginia	57	262	89	
41 Connecticut	41	127	83	
42 Rhode Island	82	86	76	
43 South Dakota	76	58	66	
44 Alaska	92	91	60	
45 Wyoming	51	50	58	
46 Hawaii	25	17	55	<--higher
47 District of Columbia	88	102	42	
48 Maine	12	28	24	
49 New Hampshire	13	33	23	
50 U.S. Virgin Islands	4	12	16	
51 Vermont	5	2	11	
52 Guam	8	3	2	
53 Northern Mariana Islands	1	0	0	
54 Massachusetts	244	287	0	
55 Kansas	0	770	0	
56 American Samoa	0	0	0	

<--higher - if the state has 20% or more daily cases than prior two days...
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

#3: US Daily Hospitalizations...(aggregated by data type)

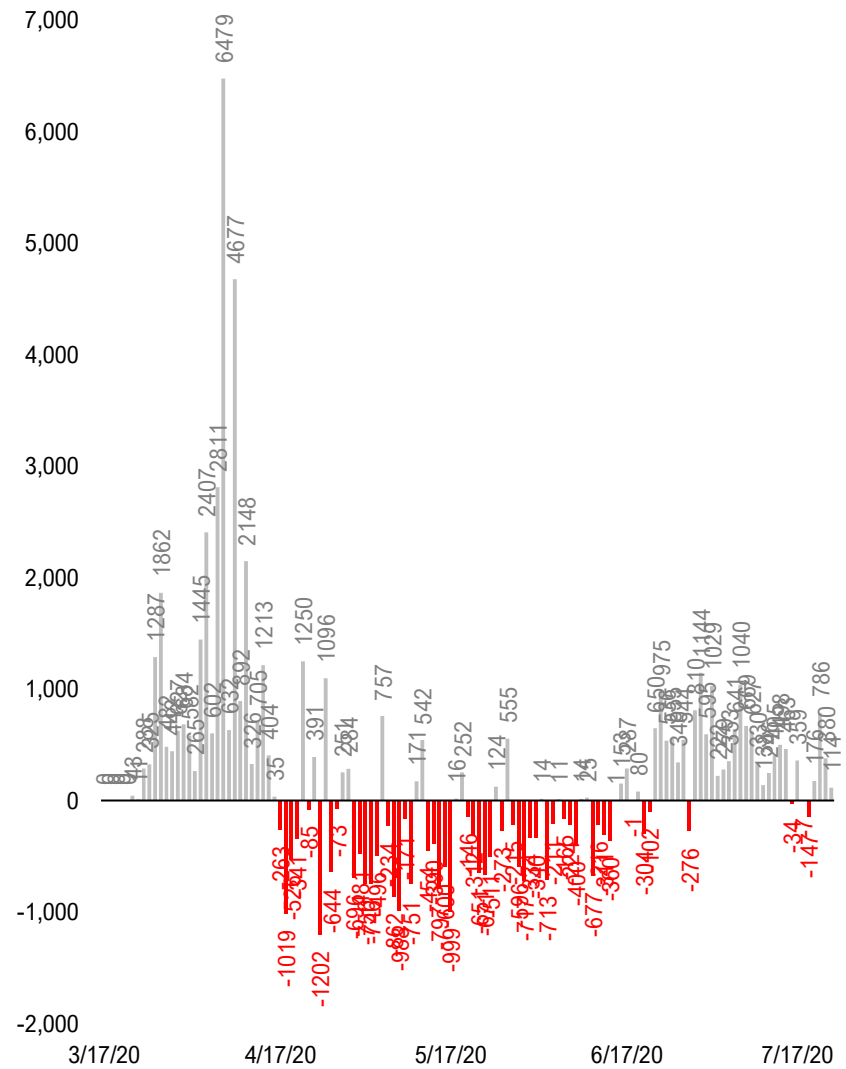
US Gross Hospitalizations

(Composite of 33 states that report "gross hospitalizations")



US Net Hospitalizations

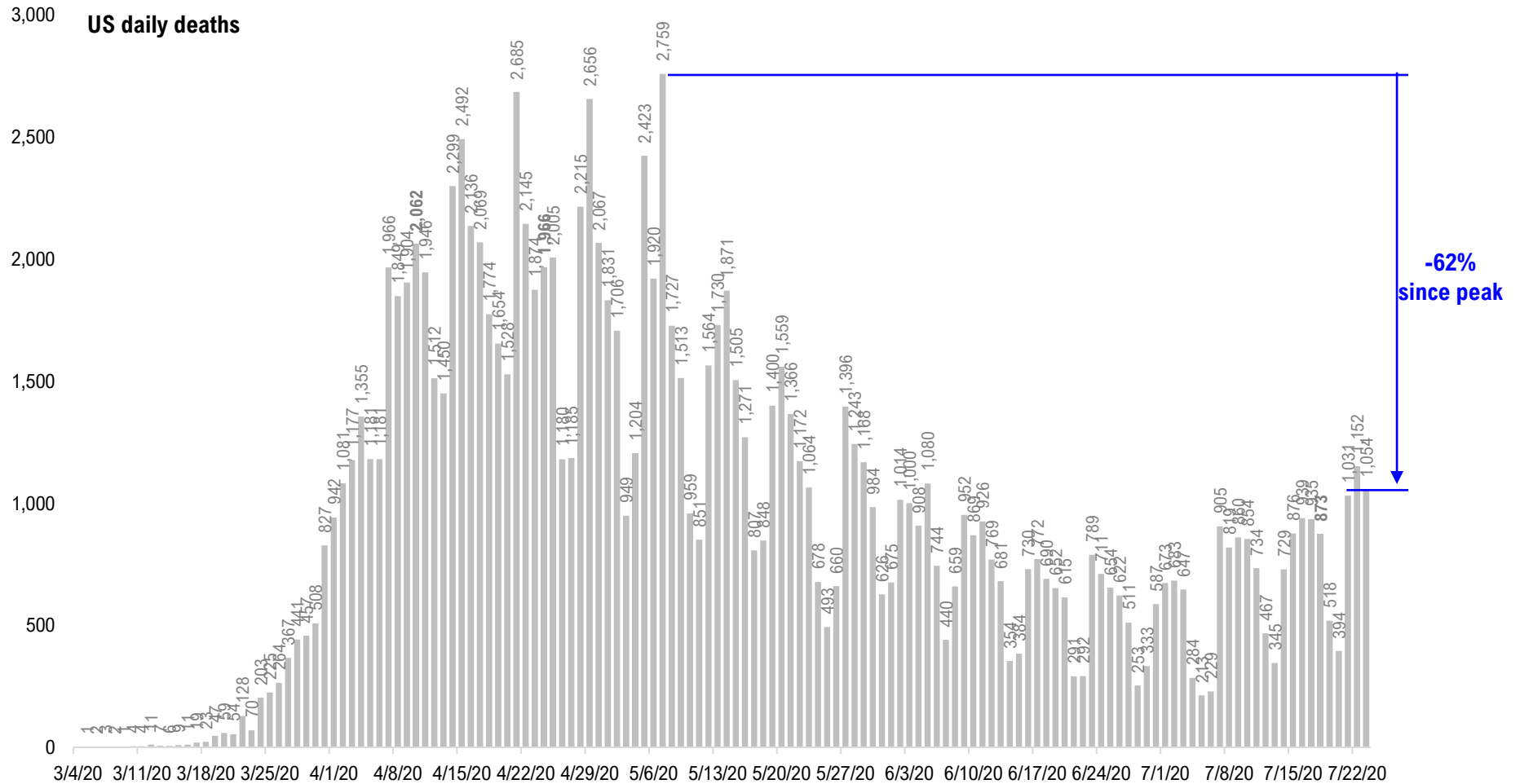
(Composite of 18 states that report "net/current hospitalizations")



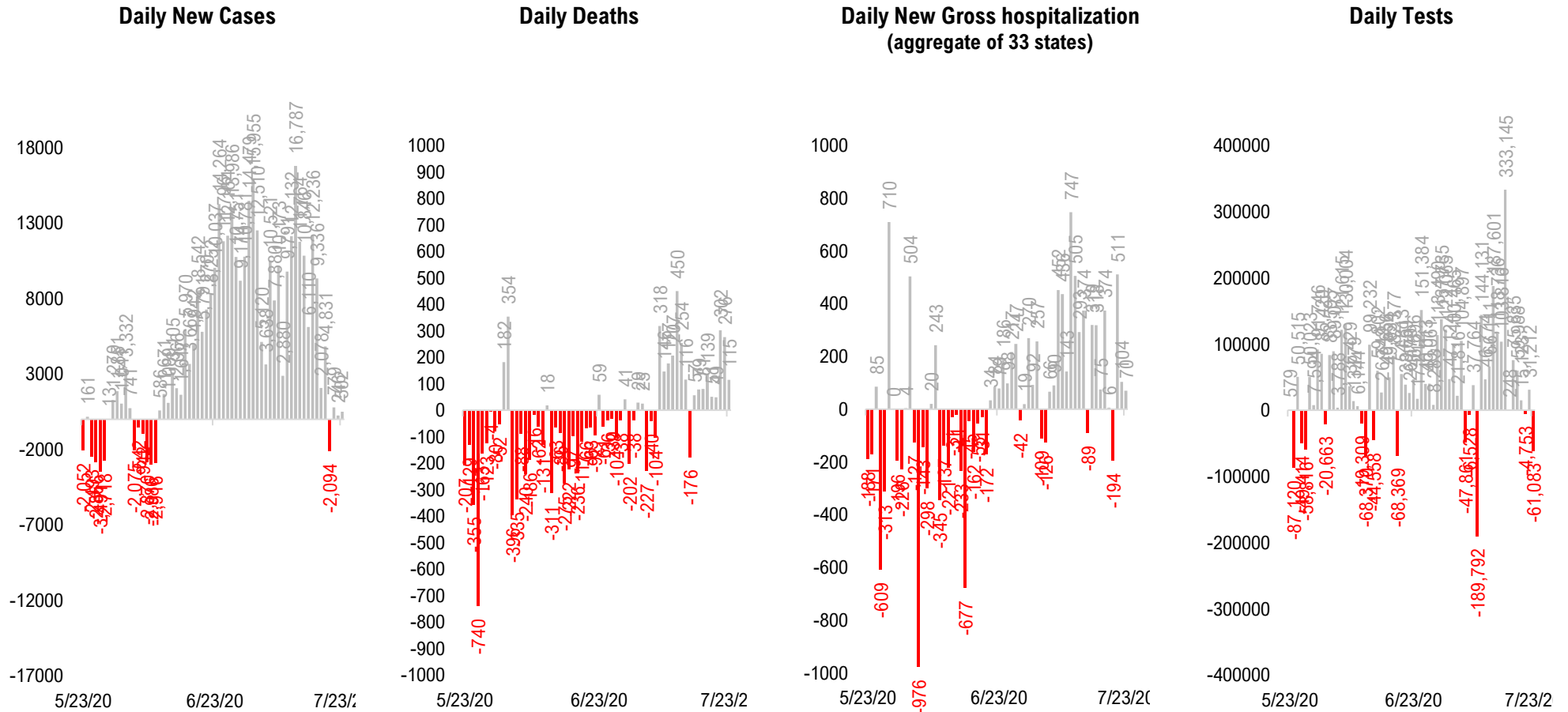
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

#4: US Daily New Fatalities...

US daily COVID-19 Fatalities

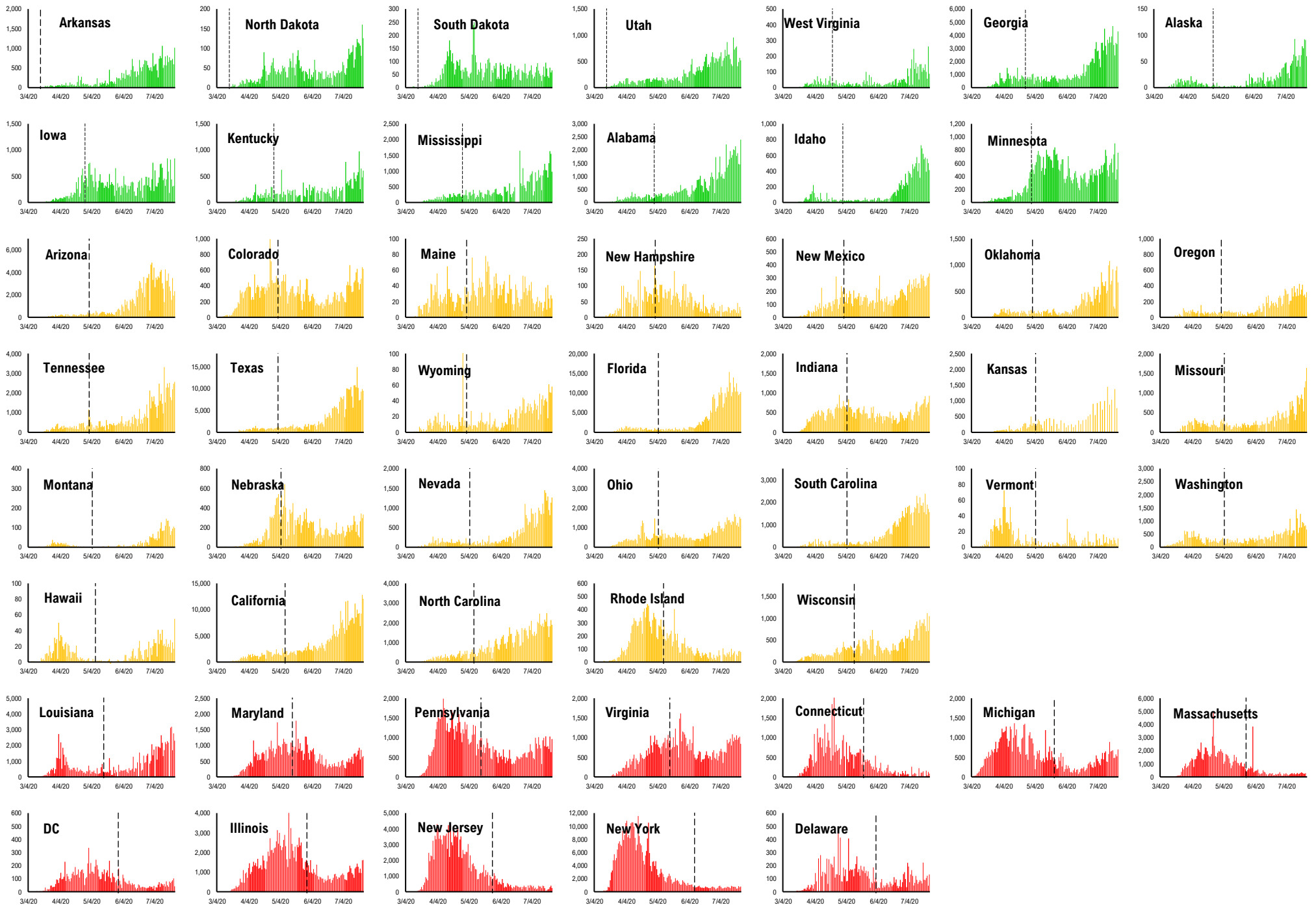


#5: Rolling 7-Day Change in the Key Metrics... (Past 8 Weeks)

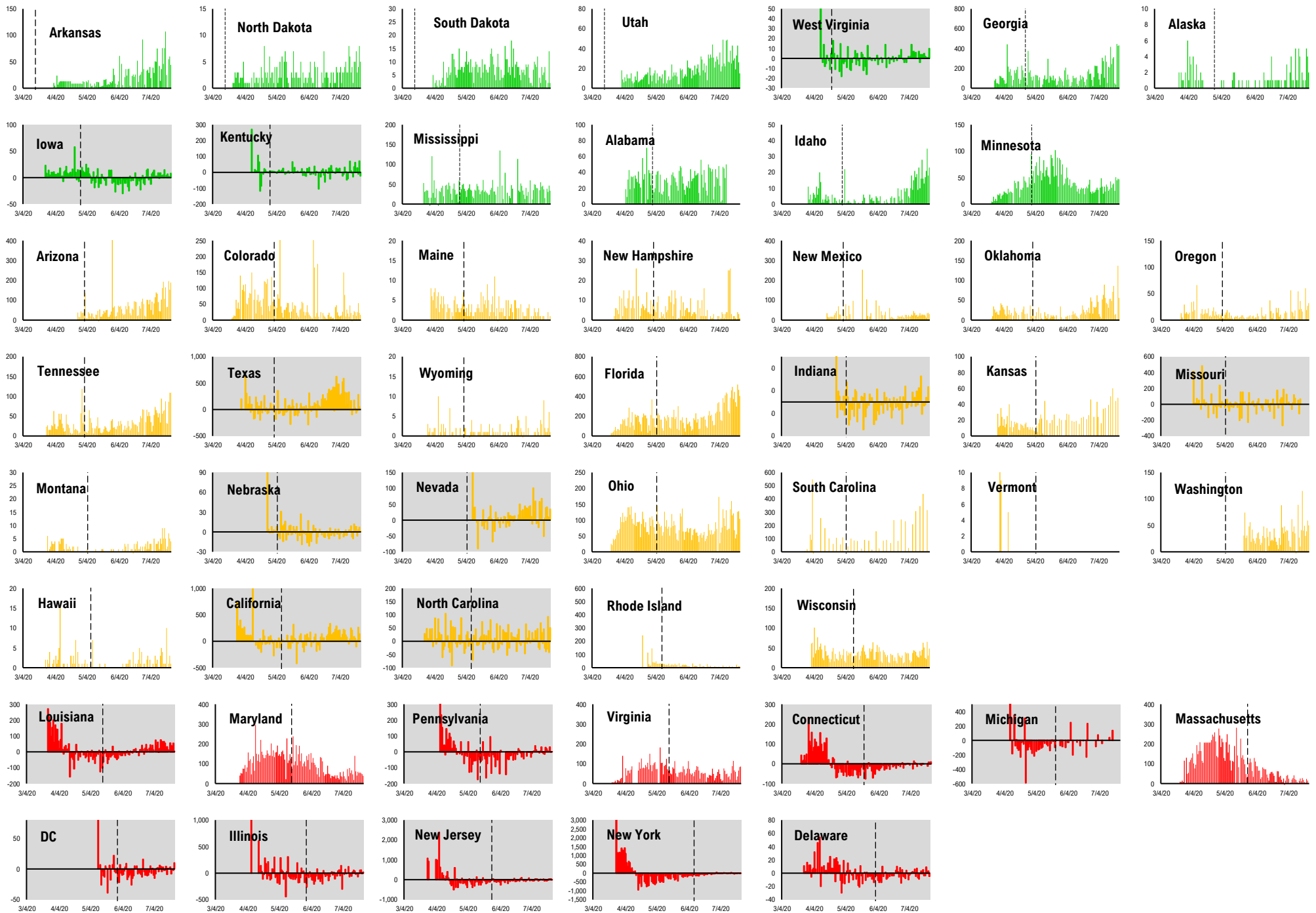


Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

#6: Daily New Cases by States... (sorted by "open" date)

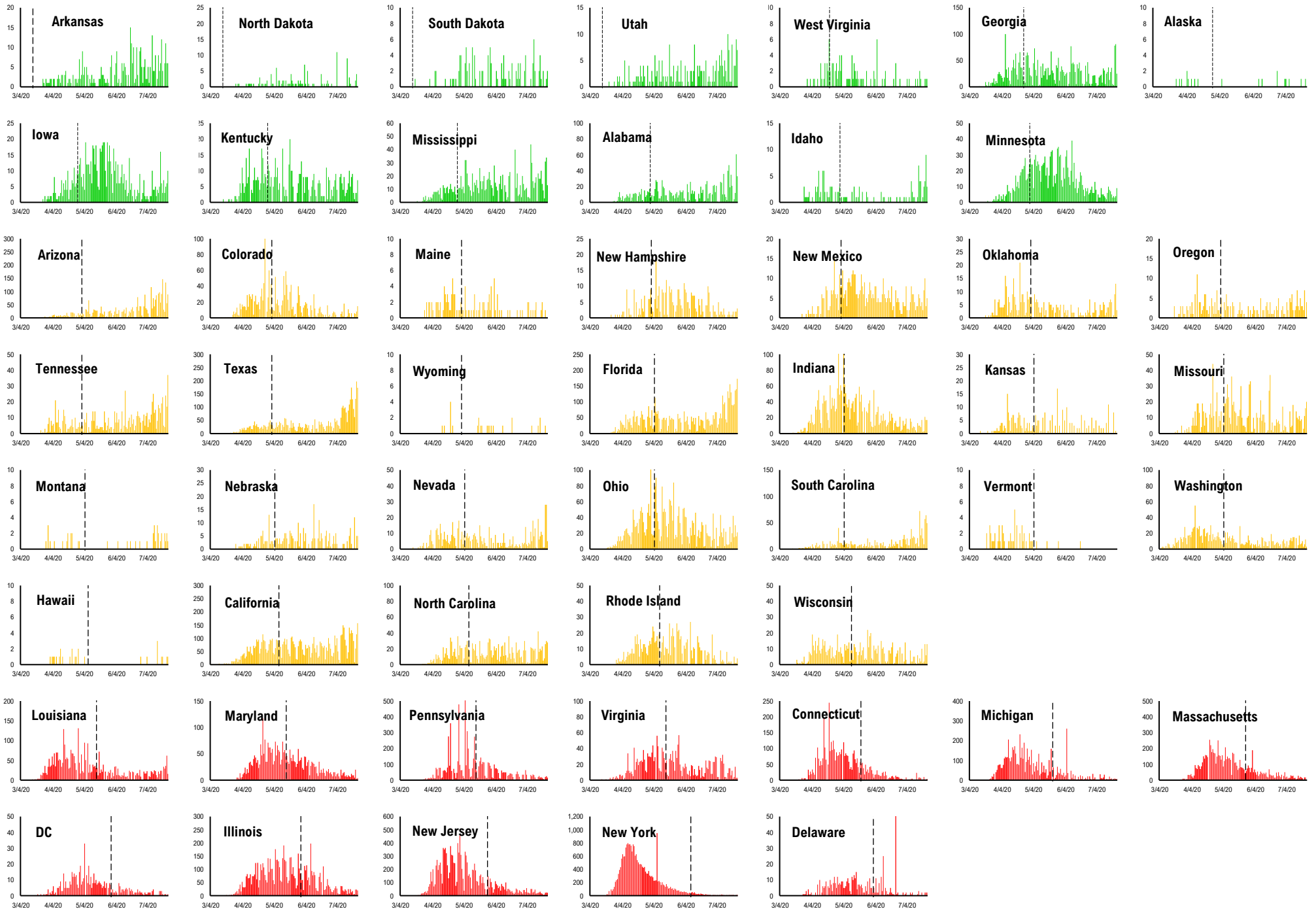


#7: Daily Hospitalizations by States... (sorted by "open" date)



Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

#8: Daily New Deaths by States... (sorted by "open" date)



#9: State COVID-19 situation by Reopen Date...

Daily Cases

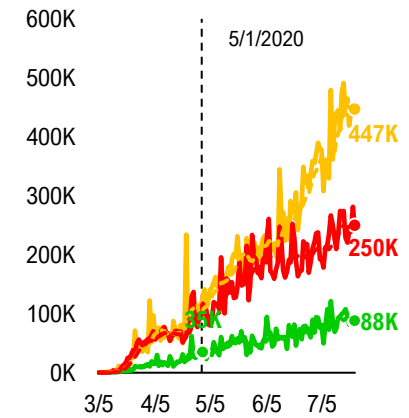
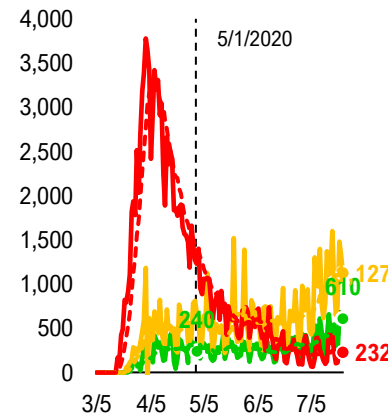
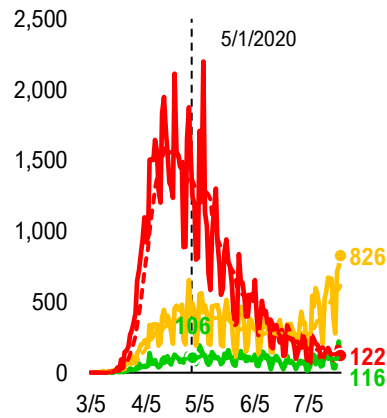
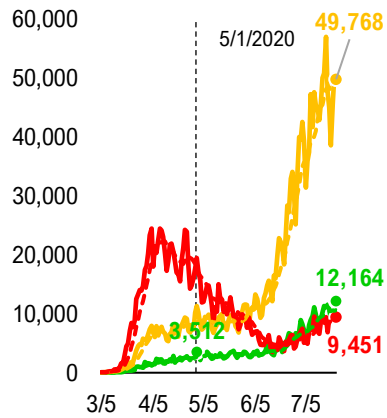
Daily Deaths

Daily Hospitalization

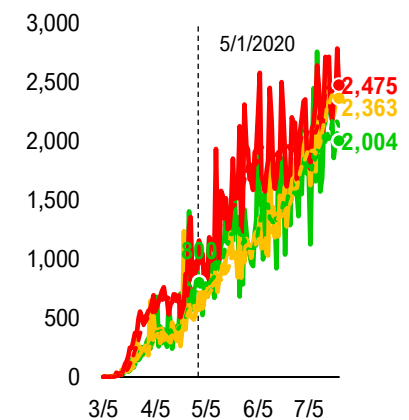
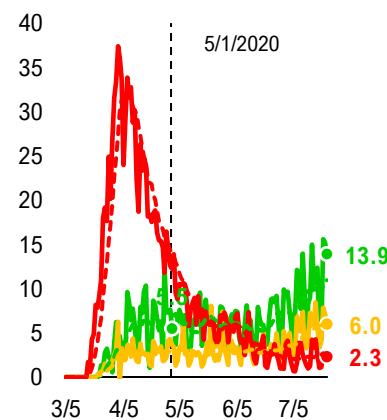
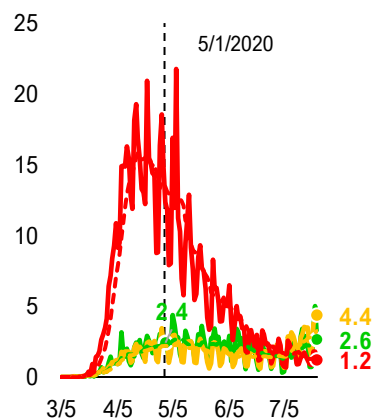
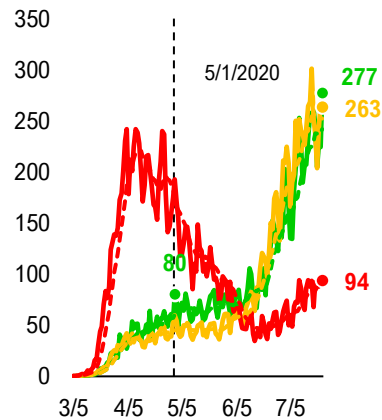
Daily Testing

— States Open Before 5/1 — States Open between 5/1 and 5/11 — States Open after 5/11

Composite Daily Aggregate

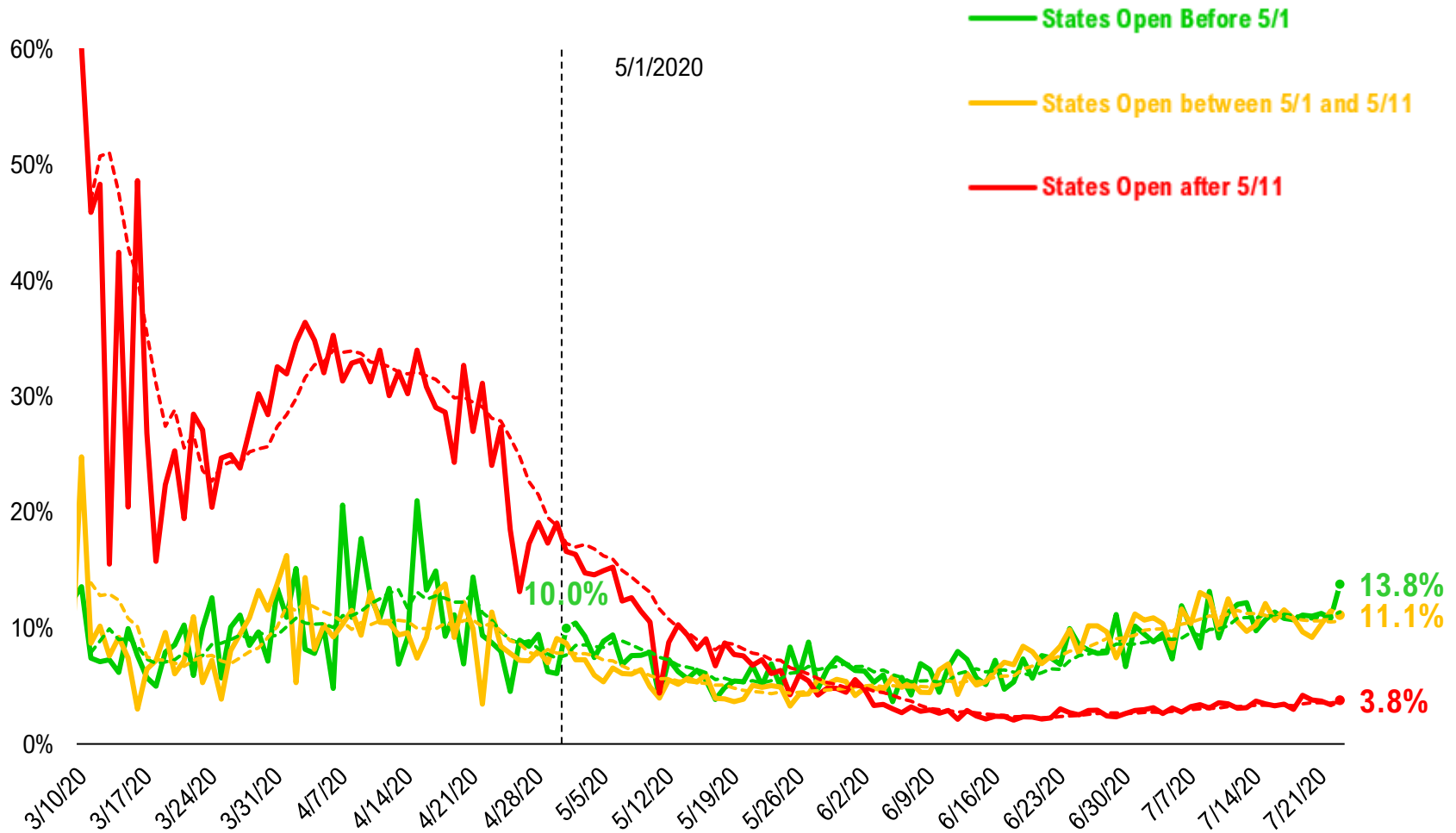


Composite Daily Aggregate Per 1mm Pop

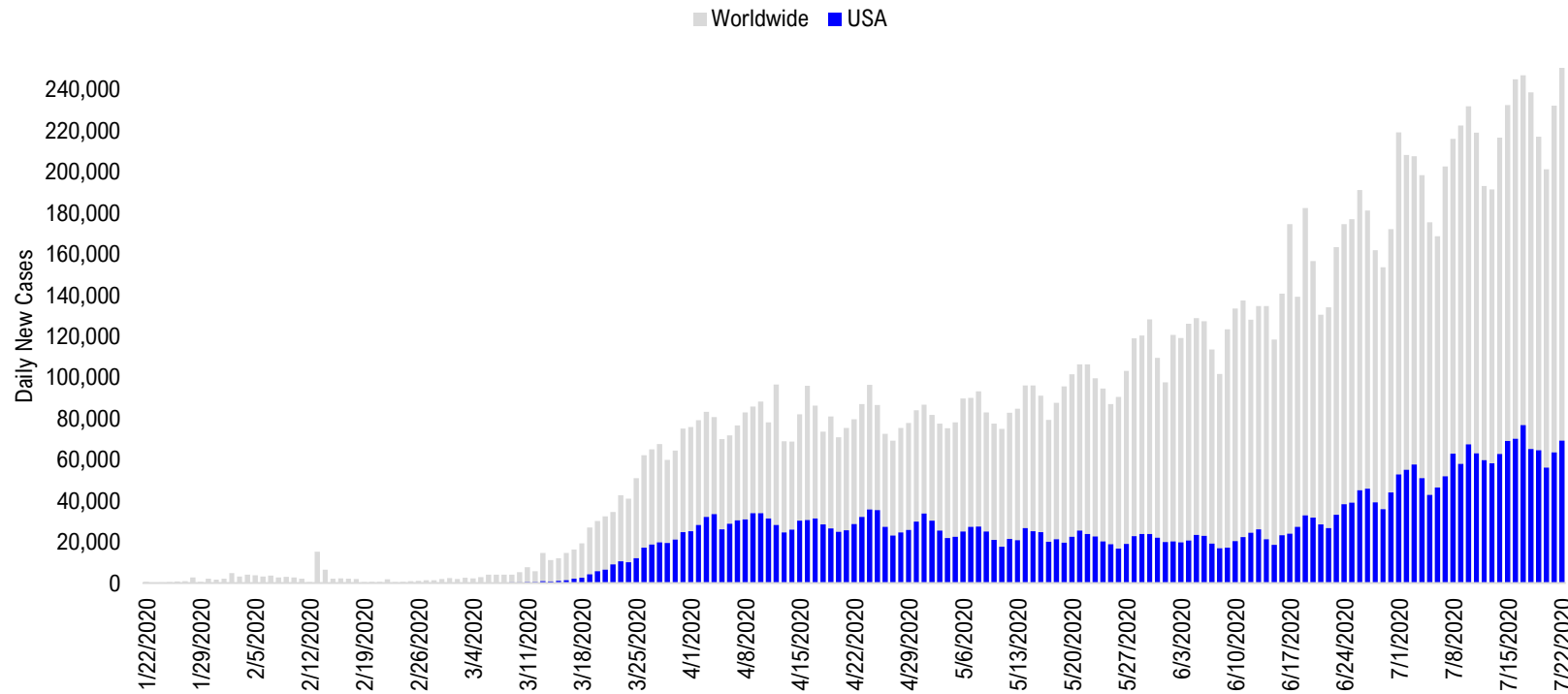


#10: State COVID-19 Daily Positivity Rate by Reopen Date...

Composite Daily Positivity Rate



#11: Global COVID-19 Situation at a Glance...



3/6/2020	3/20/2020	4/3/2020	4/17/2020	5/1/2020	5/15/2020	5/29/2020	6/12/2020	6/26/2020	7/10/2020	7/22/2020
Europe 1,411	Europe 18,084	Europe 39,665	Europe 40,611	US + Canada 31,572	US + Canada 25,443	Latin America 42,759	Latin America 51,123	Latin America 68,227	Latin America 73,176	Latin America 74,338
Asia ex- India+Pakistan 682	US + Canada 4,331	US + Canada 29,751	US + Canada 32,649	Europe 25,379	Latin America 25,394	US + Canada 22,796	US + Canada 22,798	US + Canada 41,092	US + Canada 63,055	US + Canada 63,512
US + Canada 70	Asia ex- India+Pakistan 602	Latin America 2,723	Latin America 6,026	Latin America 13,595	Europe 22,131	Europe 19,025	Pakistan + India + Bangladesh 18,309	Pakistan + India + Bangladesh 24,668	Pakistan + India + Bangladesh 32,386	Pakistan + India + Bangladesh 44,476
Africa 11	Latin America 560	Asia ex- India+Pakistan 1,433	Asia ex- India+Pakistan 2,264	Pakistan + India + Bangladesh 3,762	Pakistan + India + Bangladesh 6,133	Pakistan + India + Bangladesh 12,032	Europe 18,047	Europe 17,856	Africa 17,127	Europe 17,958
Pakistan + India + Bangladesh 9	Pakistan + India + Bangladesh 181	Africa 711	Pakistan + India + Bangladesh 1,649	Asia ex- India+Pakistan 2,022	Africa 2,942	Africa 5,307	Africa 7,322	Africa 11,684	Europe 16,305	Africa 16,293
Latin America 9	Africa 162	Pakistan + India + Bangladesh 627	Africa 1,176	Africa 1,926	Asia ex- India+Pakistan 2,033	Asia ex- India+Pakistan 2,762	Asia ex- India+Pakistan 3,064	Asia ex- India+Pakistan 3,866	Asia ex- India+Pakistan 7,373	Asia ex- India+Pakistan 6,998

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