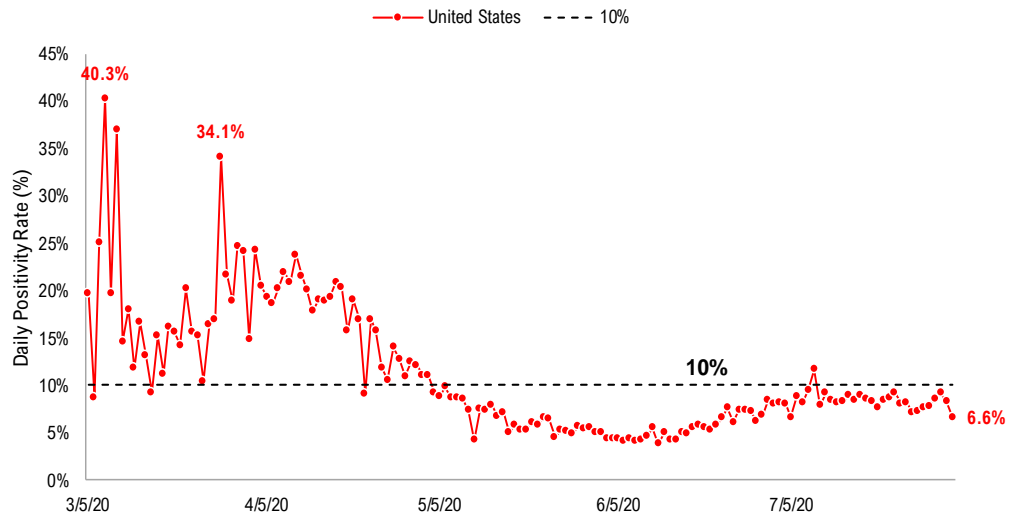
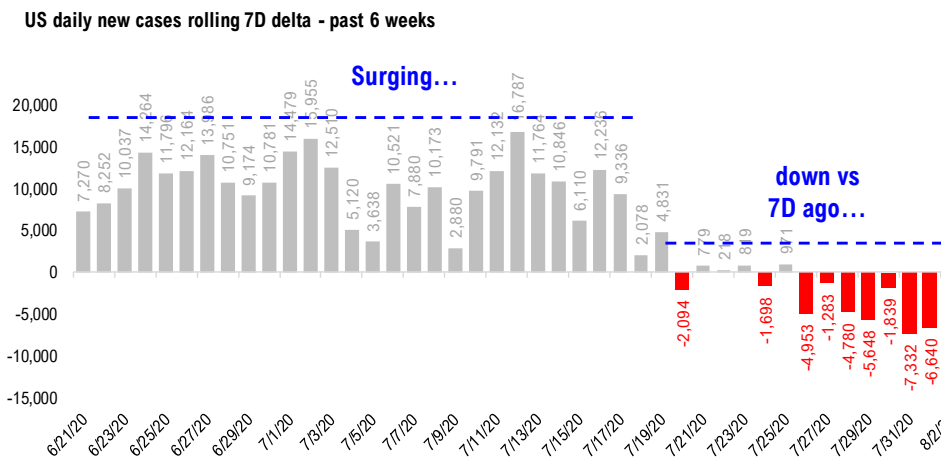
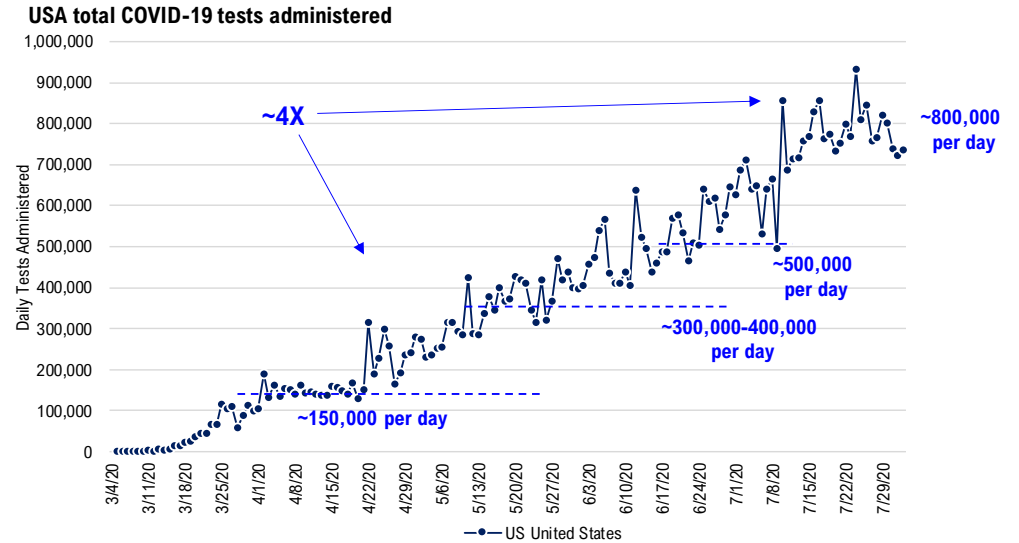
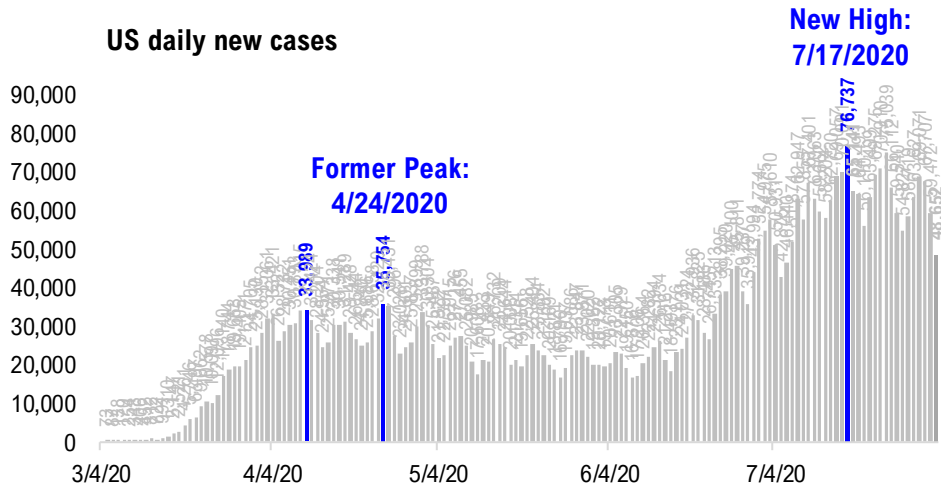


FSInsight Daily COVID-19 Chartbook



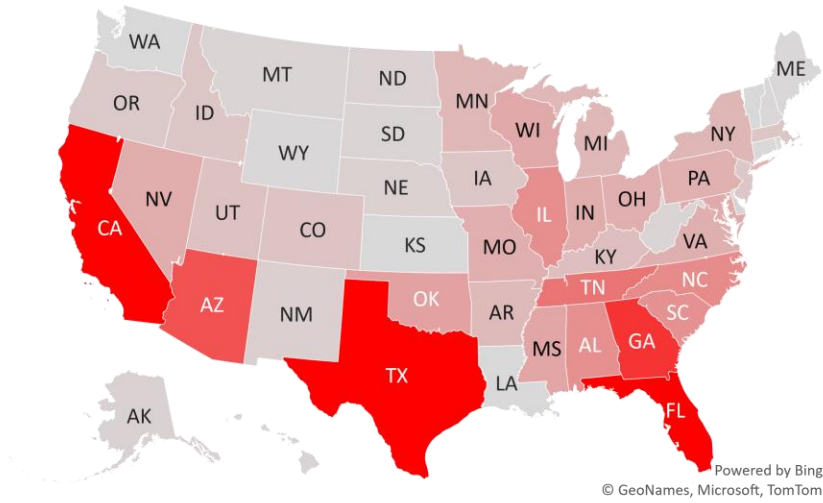
#1: USA COVID-19 Situation at a Glance...



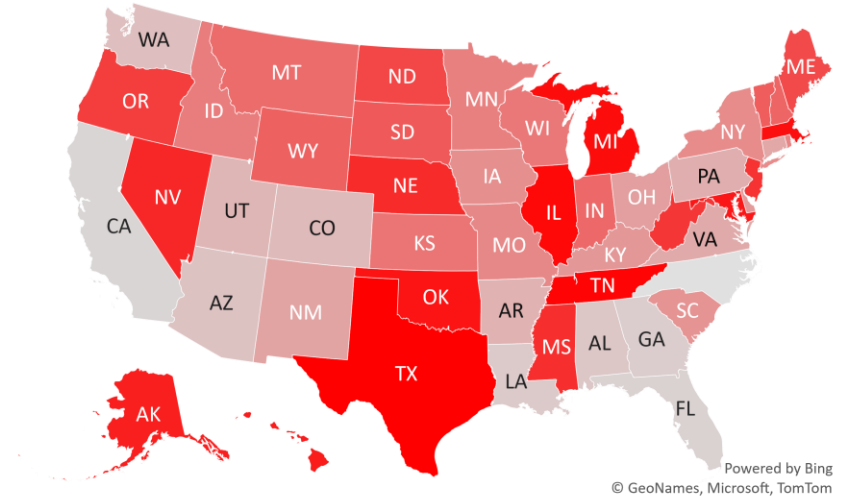
* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

#2: USA COVID-19 Heat Map*...

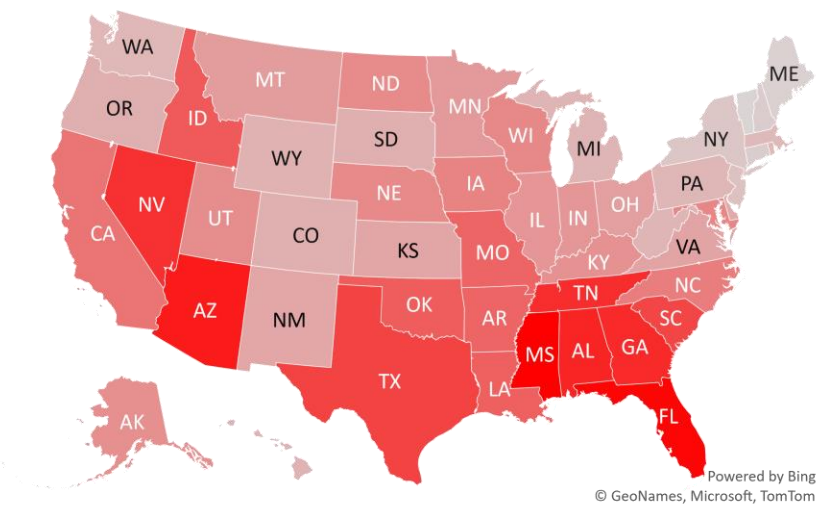
Daily Case Increases



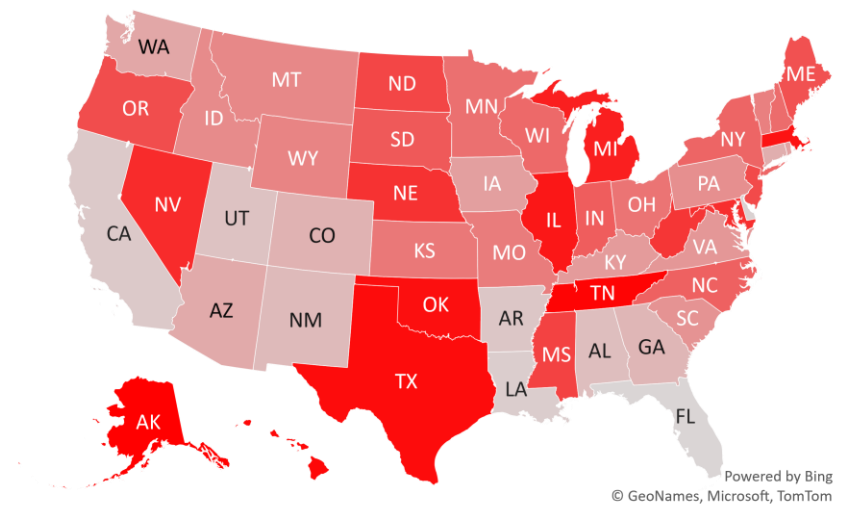
7D Delta in Daily New Cases (3D Avg)



Daily Case Increases per 1mm Resident



7D Delta in Daily New Cases per 1mm (3D Avg)



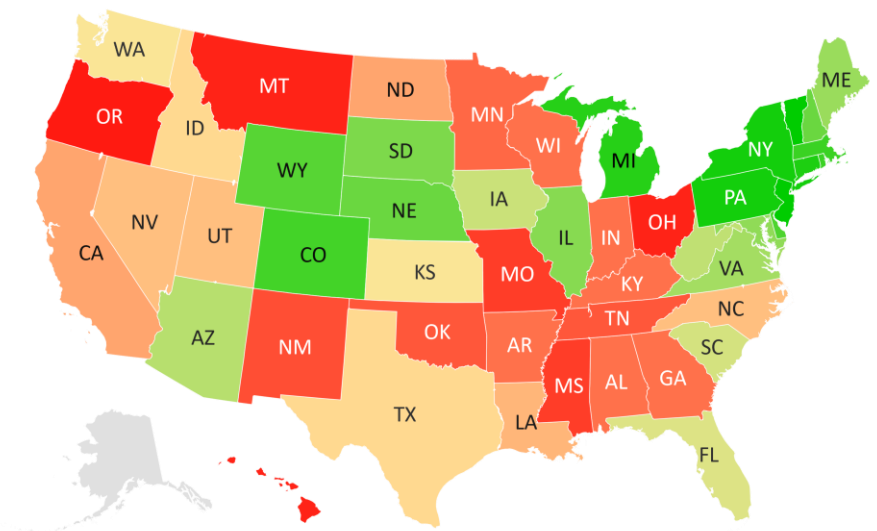
* Charts as of Saturday August 1st due to the stats of Texas

8/3/2020

#3: # of Days since Daily Case Peaked by States...

Days since Daily Cases (3D Avg) Peak (as of 8/2)

Sorted				Sorted			
	Peak Date	8/2/20	% US Pop		Peak Date	8/2/20	% US Pop
United States	7/17/20	16	100%	United States	7/17/20	16	100%
States:				States:			
Northern Mariana Is	4/3/20	121	0.0%	Kansas	7/15/20	18	0.9%
Vermont	4/5/20	119	0.2%	Texas	7/17/20	16	8.7%
New Jersey	4/5/20	119	2.7%	Idaho	7/17/20	16	0.5%
Pennsylvania	4/10/20	114	3.9%	Utah	7/18/20	15	1.0%
New York	4/10/20	114	5.9%	Nevada	7/18/20	15	0.9%
Connecticut	4/22/20	102	1.1%	North Carolina	7/18/20	15	3.2%
Michigan	4/24/20	100	3.0%	Louisiana	7/21/20	12	1.4%
Rhode Island	4/25/20	99	0.3%	North Dakota	7/24/20	9	0.2%
Massachusetts	4/25/20	99	2.1%	California	7/24/20	9	11.9%
Colorado	4/26/20	98	1.7%	Wisconsin	7/25/20	8	1.8%
Delaware	4/28/20	96	0.3%	Kentucky	7/25/20	8	1.3%
Wyoming	4/29/20	95	0.2%	Indiana	7/25/20	8	2.0%
New Hampshire	5/2/20	92	0.4%	Georgia	7/25/20	8	3.2%
Nebraska	5/2/20	92	0.6%	Arkansas	7/25/20	8	0.9%
District of Columbia	5/3/20	91	0.2%	Alabama	7/25/20	8	1.5%
South Dakota	5/9/20	85	0.3%	Minnesota	7/26/20	7	1.7%
Illinois	5/14/20	80	3.8%	Tennessee	7/28/20	5	2.1%
Maryland	5/21/20	73	1.8%	Oklahoma	7/28/20	5	1.2%
Maine	5/22/20	72	0.4%	New Mexico	7/29/20	4	0.6%
Virginia	5/27/20	67	2.6%	Mississippi	7/30/20	3	0.9%
Guam	6/20/20	43	0.0%	Missouri	7/30/20	3	1.8%
Arizona	7/2/20	31	2.2%	Ohio	7/31/20	2	3.5%
West Virginia	7/10/20	23	0.5%	Montana	7/31/20	2	0.3%
Iowa	7/11/20	22	1.0%	Hawaii	7/31/20	2	0.4%
South Carolina	7/12/20	21	1.6%	Oregon	8/1/20	1	1.3%
Florida	7/13/20	20	6.5%	Puerto Rico	8/2/20	0	1.0%
Washington	7/15/20	18	2.3%	American Samoa	8/2/20	0	0.0%
U.S. Virgin Islands	7/15/20	18	0.0%				



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

Sorted
Last 3-day trend growth rates

CT and RI do not report over the weekend...
LA and WA stats on Sunday reflect two-day change...
TX did not report on Sunday due to system upgrade...

	7/31/20	8/1/20	8/2/20	
United States	67,707	59,472	48,652	-10,820
States:				
1 California	8,086	6,542	9,032	
2 Florida	9,007	9,642	7,104	
3 Louisiana	1,799	0	3,467	<--higher
4 Georgia	4,066	3,660	3,165	
5 Alabama	1,961	1,626	2,095	
6 Washington	818	0	1,738	<--higher
7 Illinois	1,980	1,639	1,467	
8 Arizona	3,212	2,992	1,465	
9 Tennessee	3,088	2,225	1,443	
10 North Carolina	1,954	1,730	1,341	
11 South Carolina	1,444	1,583	1,189	
12 Nevada	1,264	986	1,131	
13 Virginia	984	913	981	
14 Ohio	1,533	928	944	
15 Wisconsin	832	1,062	922	
16 Maryland	1,169	1,019	909	
17 Minnesota	771	725	759	
18 Indiana	901	968	735	
19 Mississippi	1,168	1,134	672	
20 Pennsylvania	970	888	654	
21 Arkansas	752	662	637	
22 Missouri	1,489	935	582	
23 New York	644	753	531	
24 Iowa	544	394	516	
25 Oklahoma	747	1,244	494	
26 Utah	500	506	473	
27 Kentucky	765	572	462	
28 Colorado	605	458	449	

Sorted
Last 3-day trend growth rates

CT and RI do not report over the weekend...
LA and WA stats on Sunday reflect two-day change...
TX did not report on Sunday due to system upgrade...

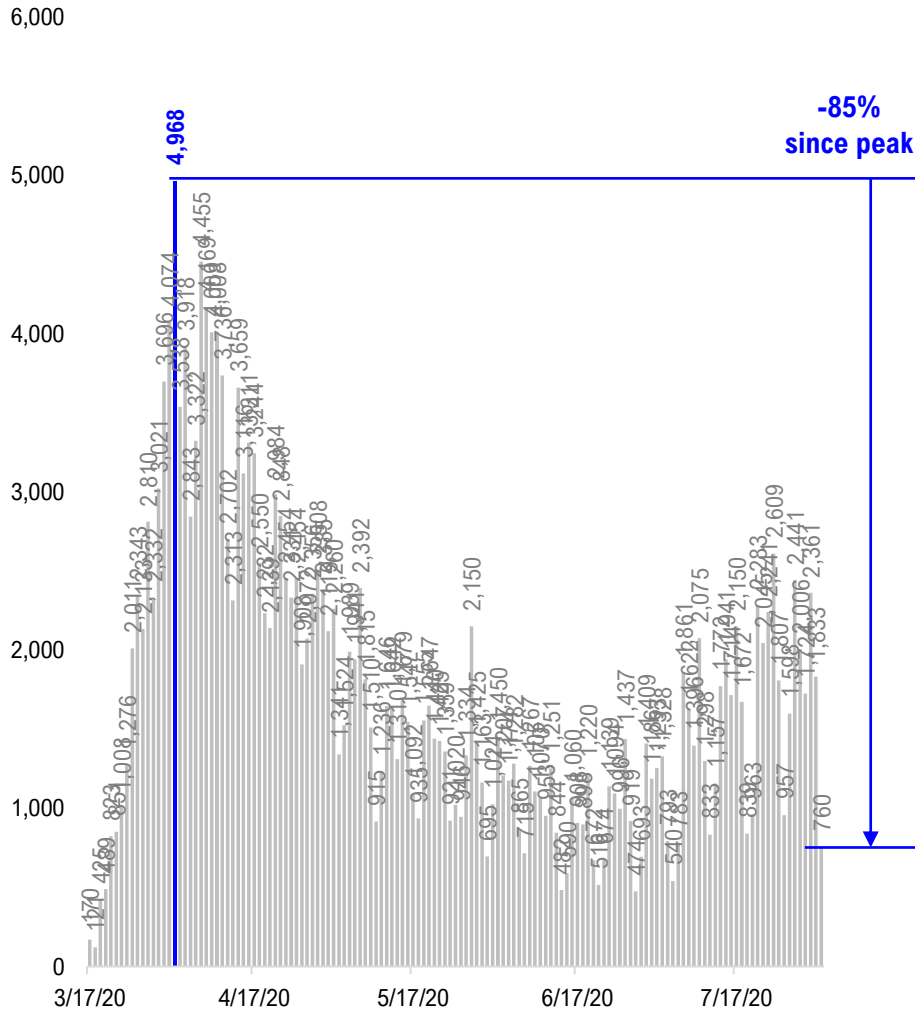
	7/31/20	8/1/20	8/2/20	
United States	67,707	59,472	48,652	-10,820
States:				
29 Michigan	734	735	426	
30 Massachusetts	514	428	418	
31 New Jersey	690	369	321	
32 Nebraska	445	180	311	
33 Puerto Rico	77	546	292	
34 Oregon	361	325	280	
35 Idaho	475	393	230	
36 New Mexico	212	196	220	
37 Alaska	112	146	144	
38 West Virginia	220	93	119	
39 Montana	151	115	113	
40 South Dakota	79	103	88	
41 Delaware	99	89	72	
42 District of Columbia	69	79	69	
43 North Dakota	168	133	58	
44 Hawaii	122	86	45	
45 Wyoming	40	43	39	
46 New Hampshire	39	30	21	
47 Maine	24	25	21	
48 Vermont	7	7	5	
49 Northern Mariana Islands	0	0	3	
50 U.S. Virgin Islands	21	15	0	
51 Texas	8,839	9,539	0	
52 Rhode Island	72	0	0	
53 Kansas	942	0	0	
54 Guam	2	11	0	
55 Connecticut	140	0	0	
56 American Samoa	0	0	0	

* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

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

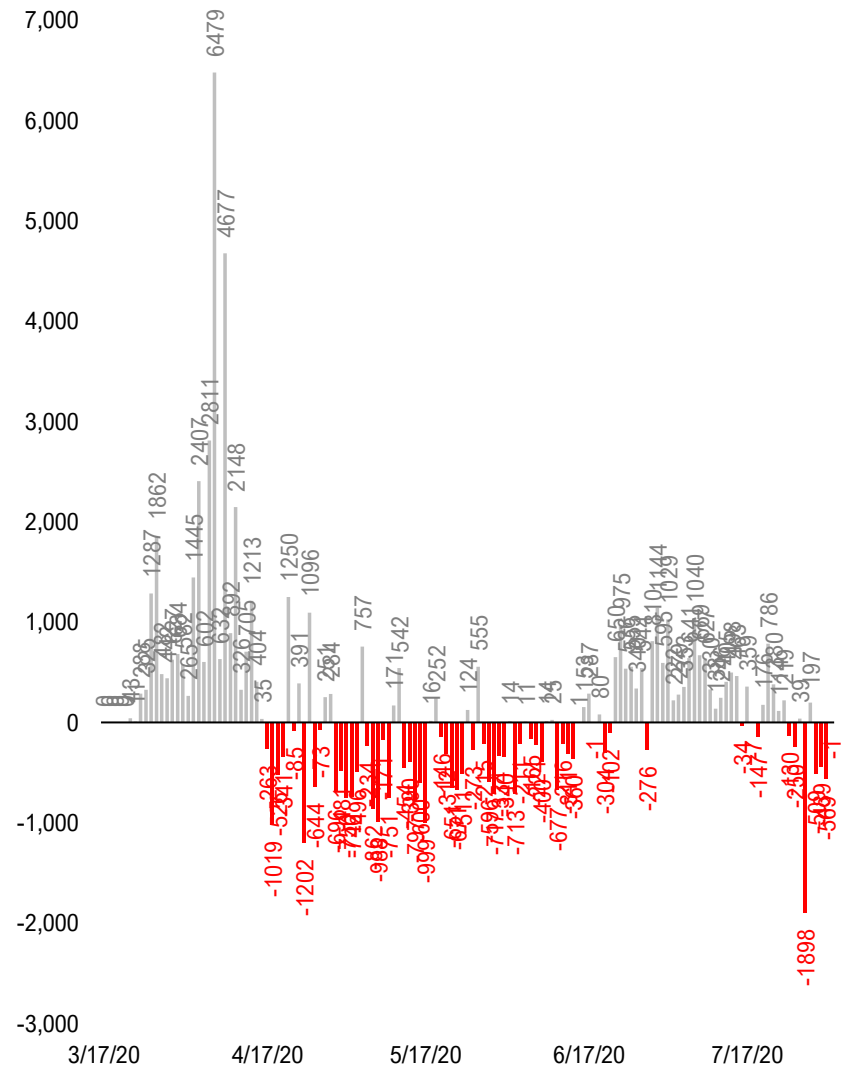
US Gross Hospitalizations

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



US Net Hospitalizations

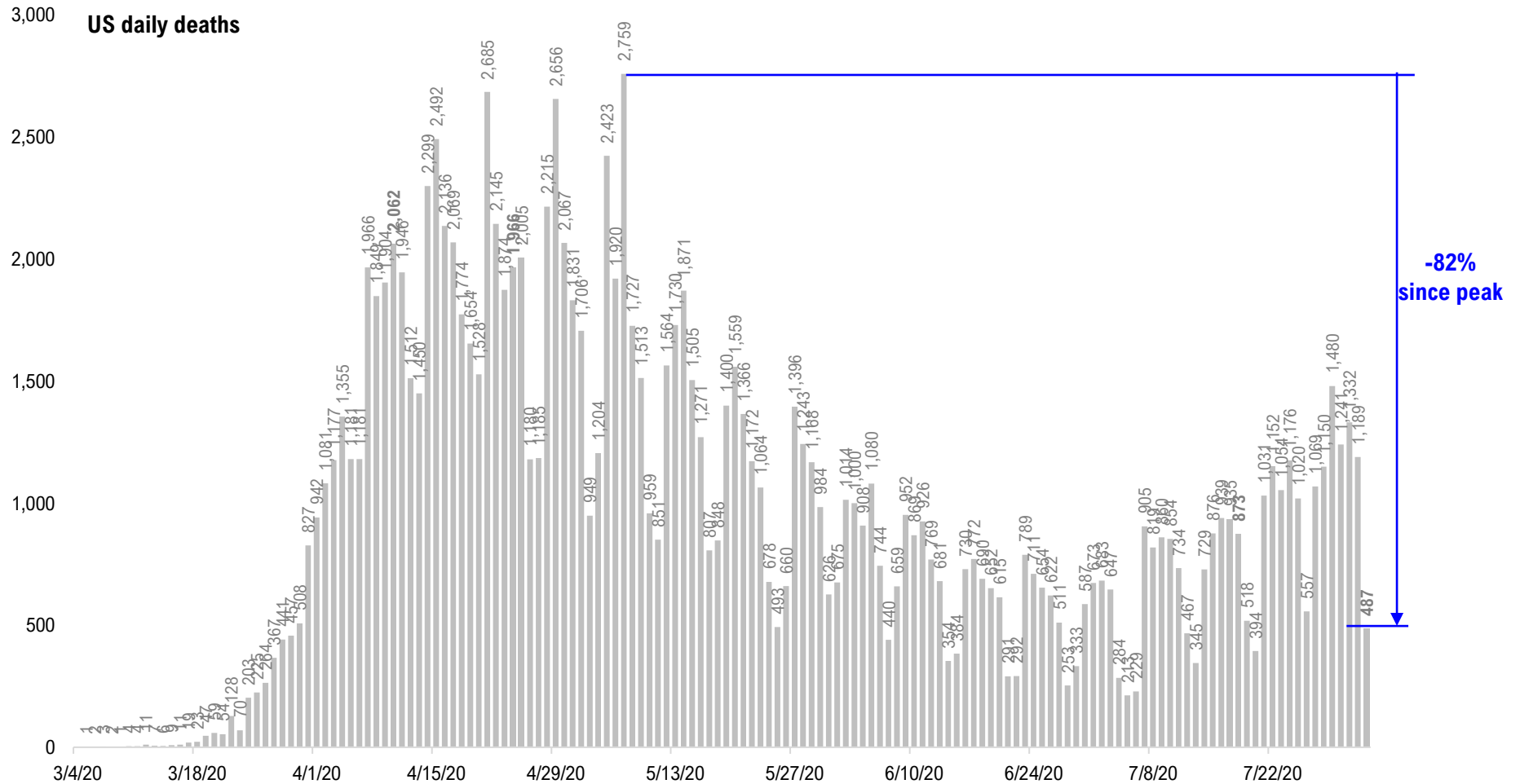
(Composite of 18 states that report "net/current hospitalizations")



* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

#6: US Daily New Fatalities...

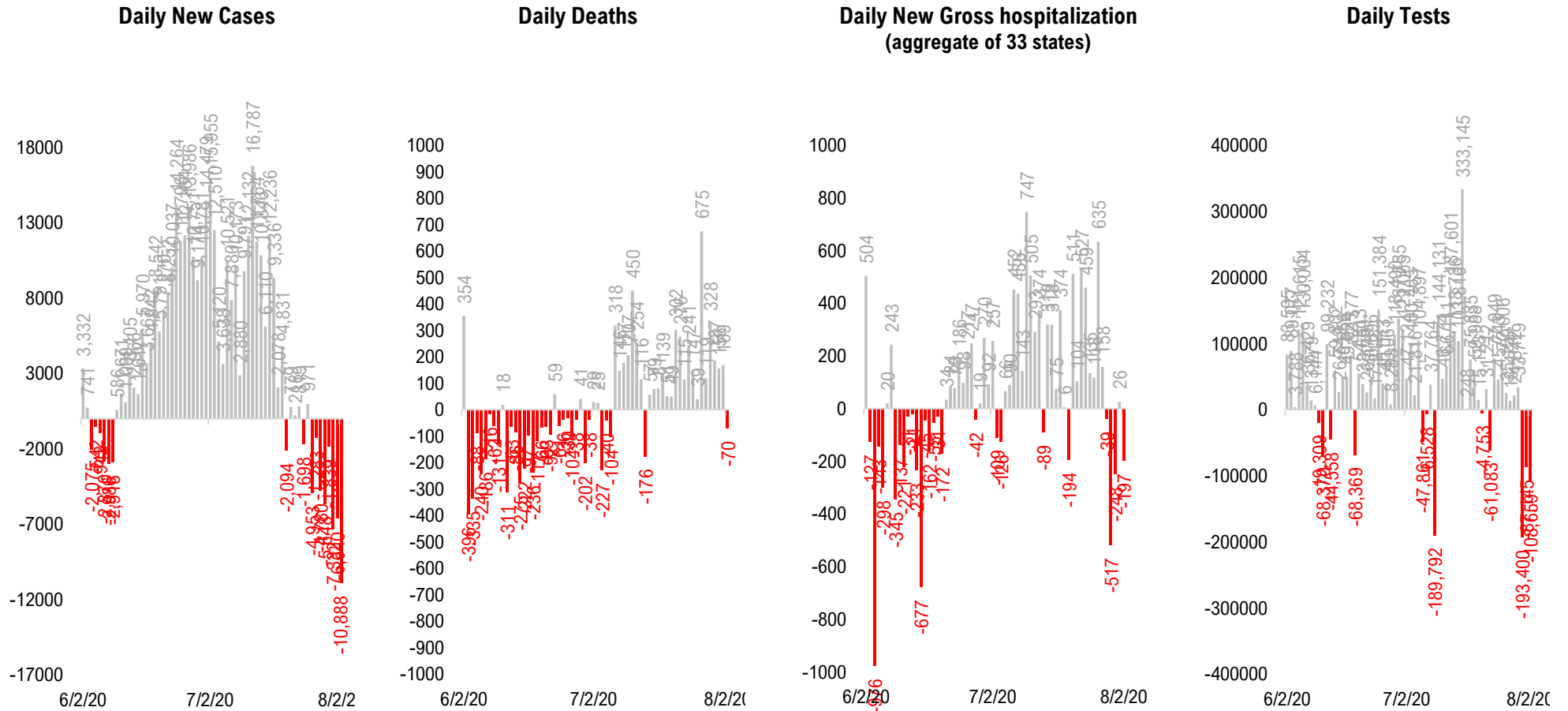
US daily COVID-19 Fatalities



* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

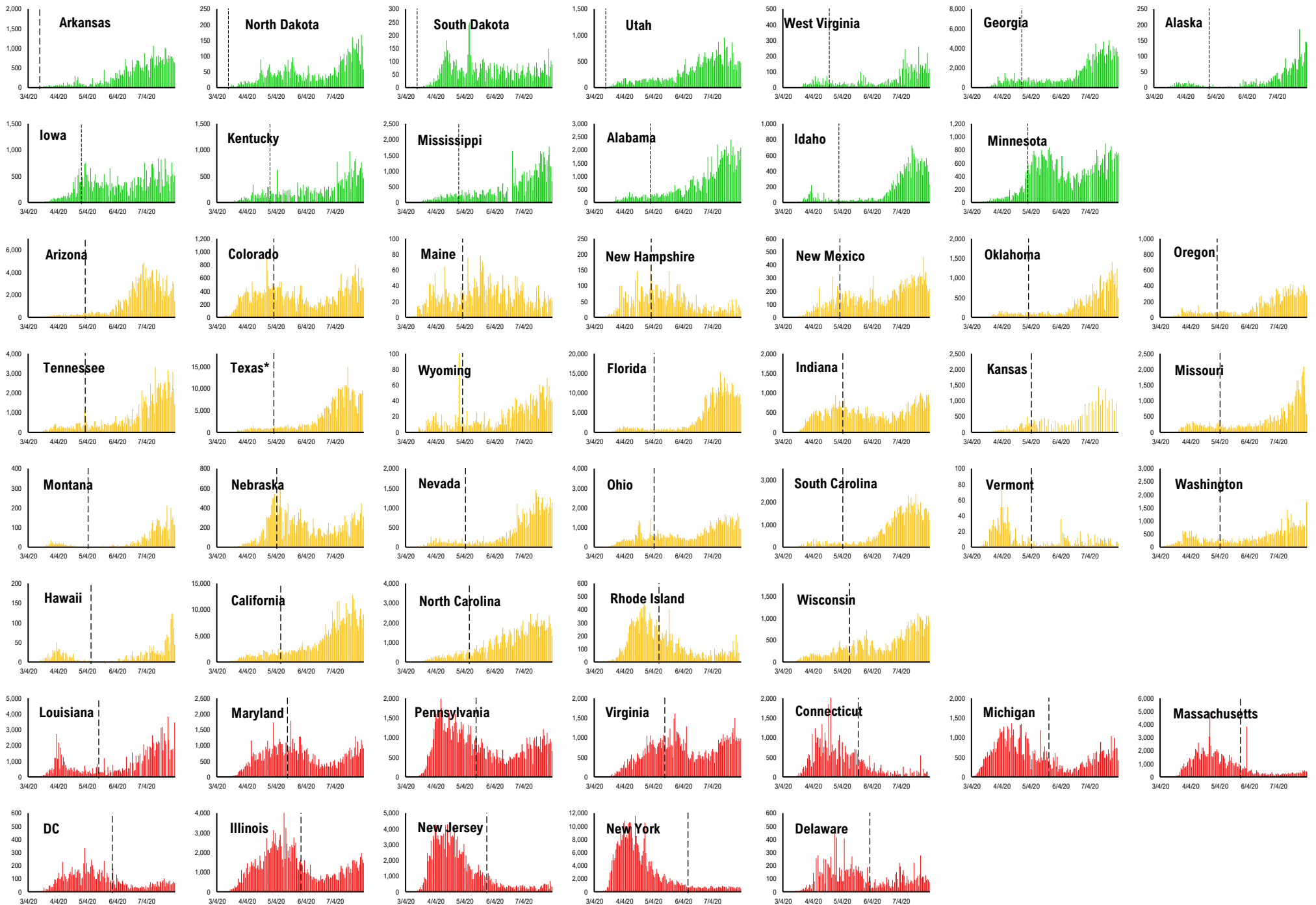
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

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



* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

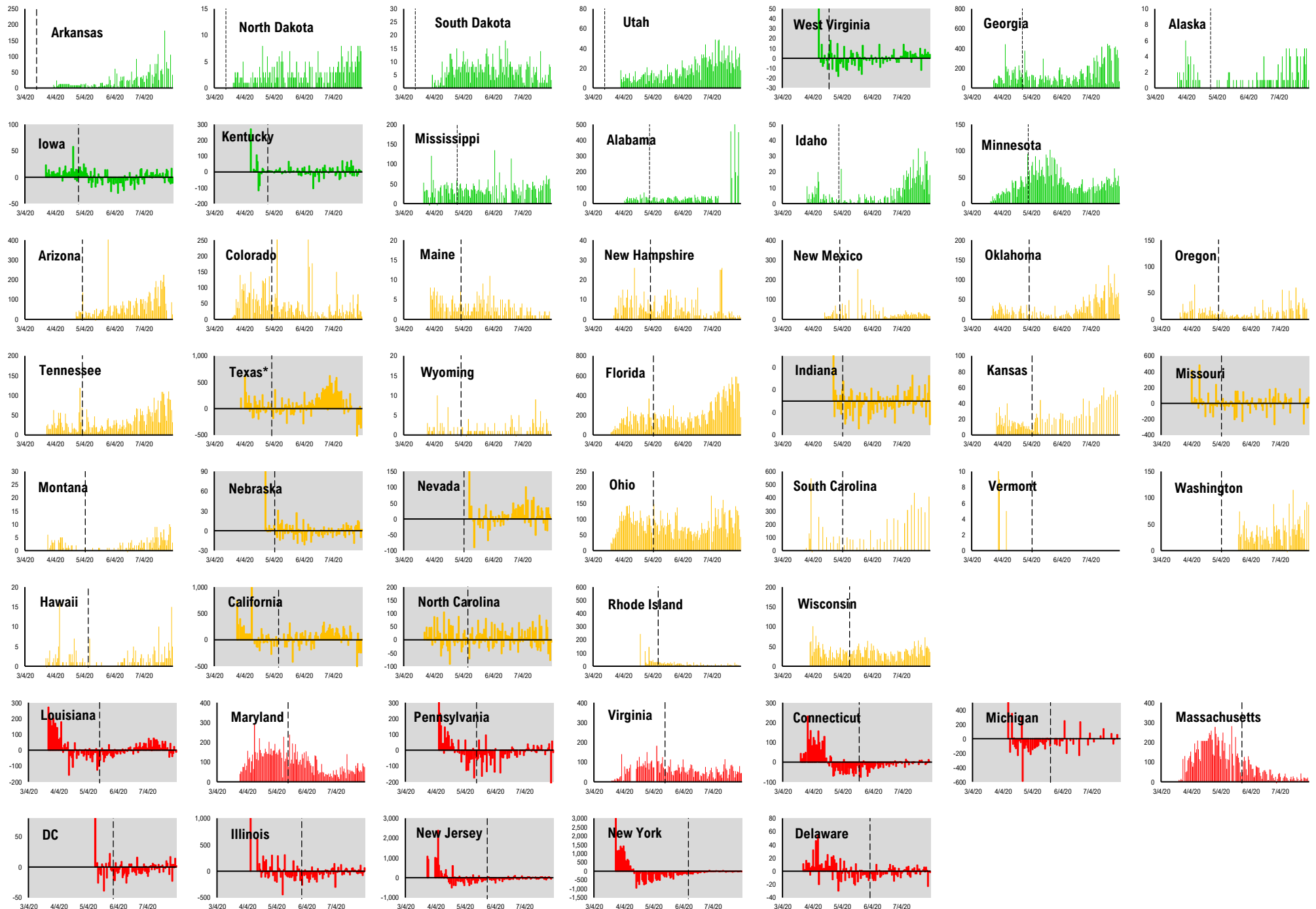
#8: Daily New Cases by States... (sorted by "open" date)



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

* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

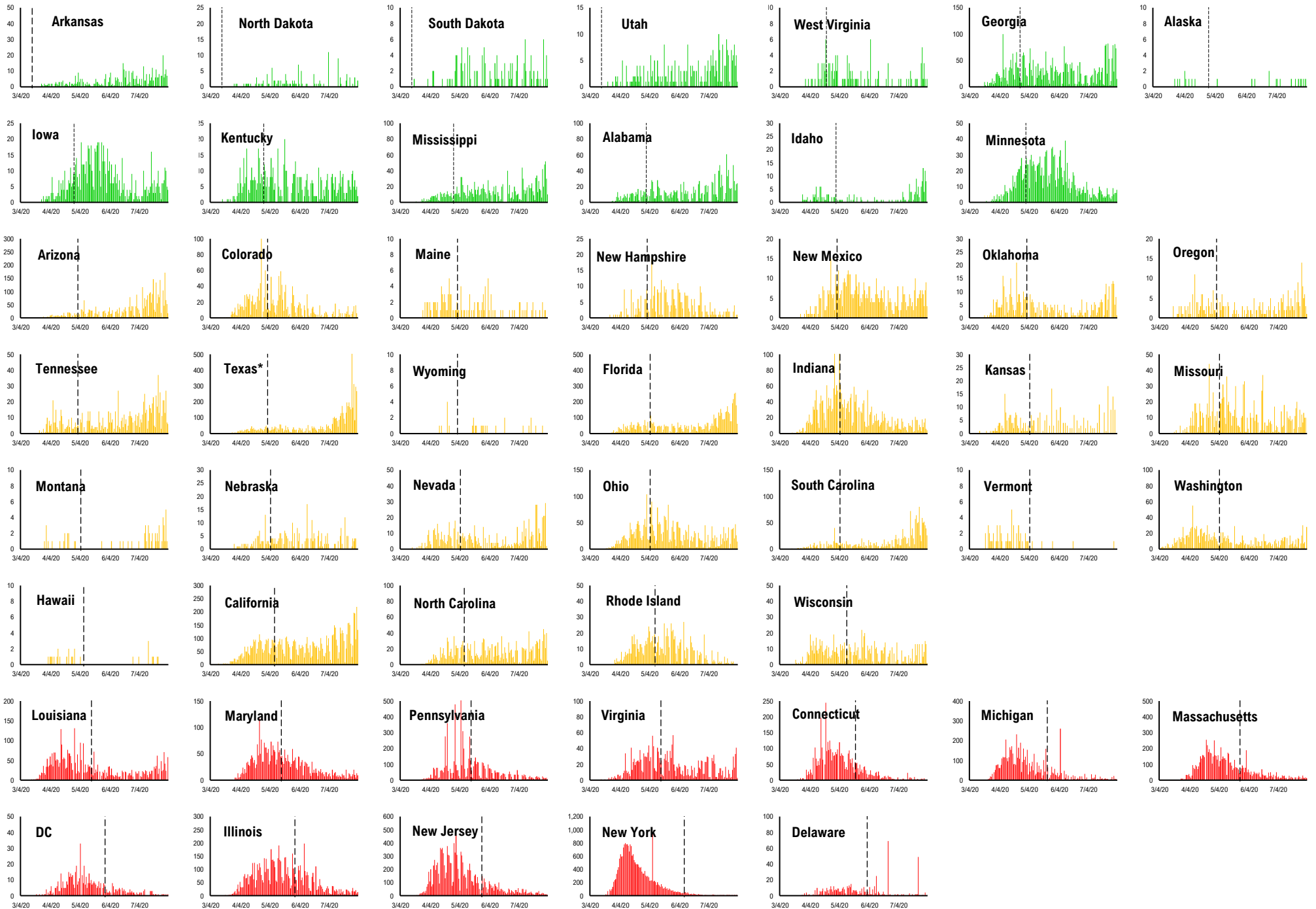
#9: Daily Hospitalizations by States... (sorted by "open" date)



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

* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

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



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

* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

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

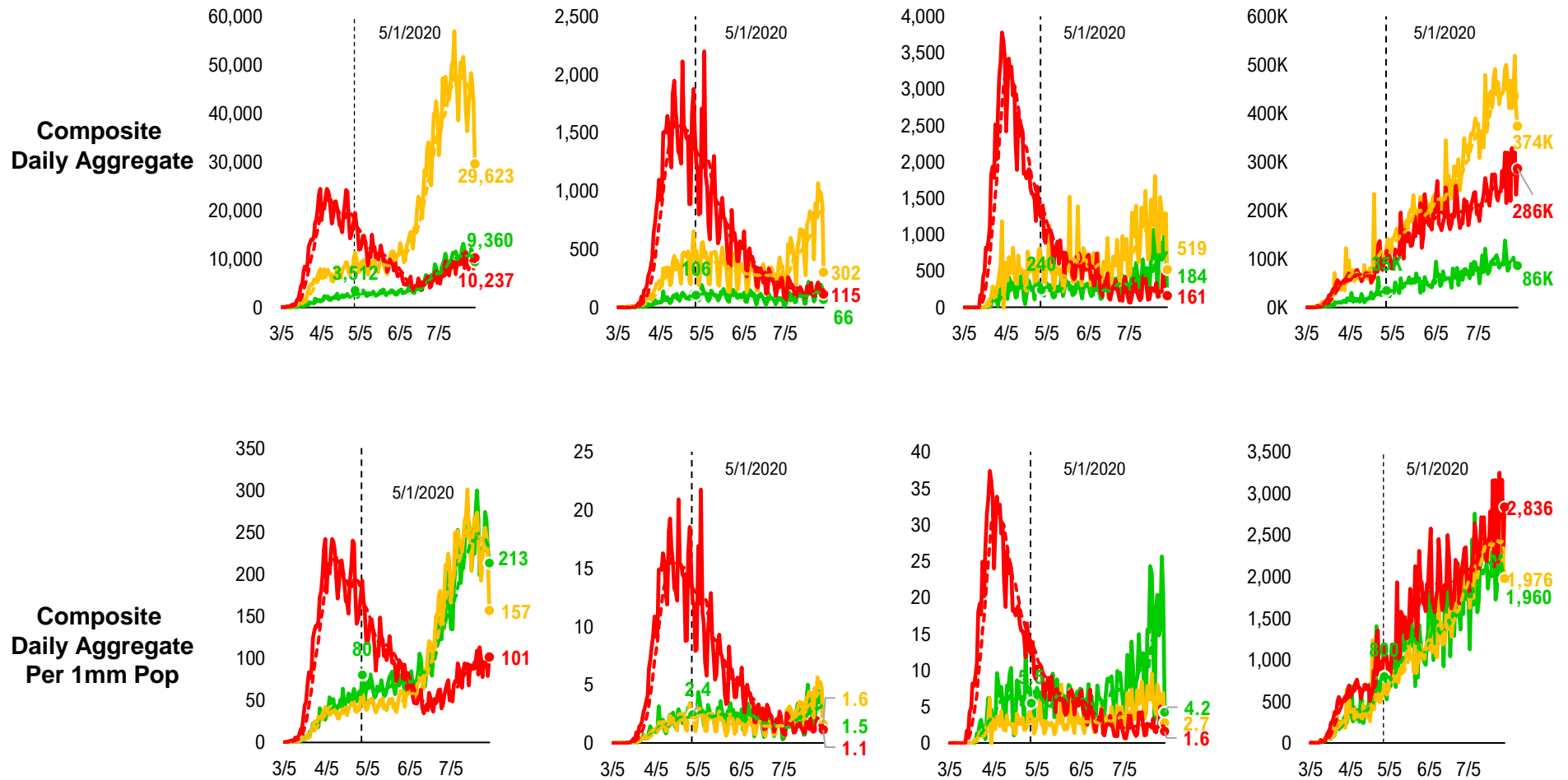
Daily Cases

Daily Deaths

Daily Hospitalization

Daily Testing

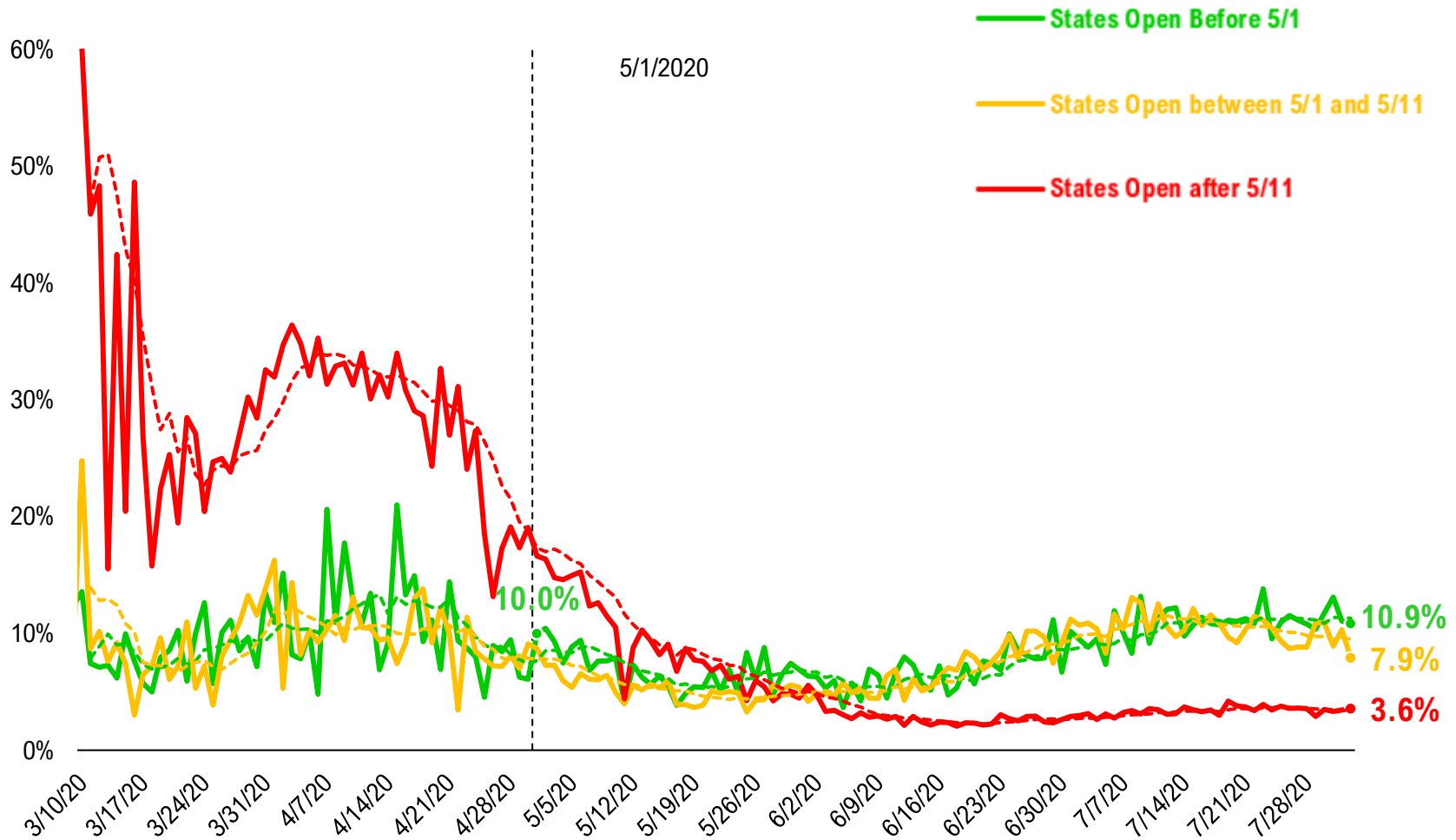
— States Open Before 5/1 — States Open between 5/1 and 5/11 — States Open after 5/11



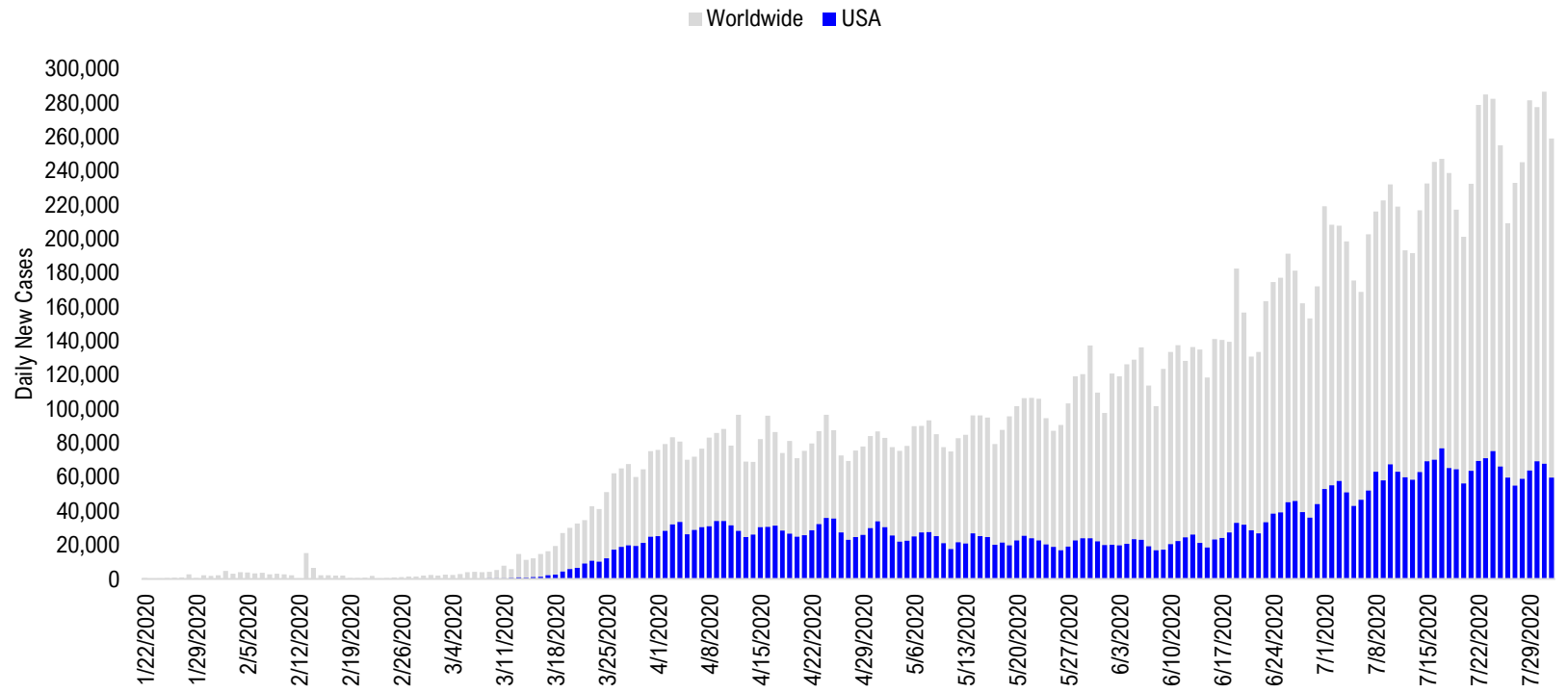
* Texas did not report stats on Sunday August 2nd due to scheduled system upgrade.

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

Composite Daily Positivity Rate



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



3/13/2020	3/27/2020	4/10/2020	4/24/2020	5/8/2020	5/22/2020	6/5/2020	6/19/2020	7/3/2020	7/17/2020	8/1/2020
Europe 6,972	Europe 35,634	Europe 38,586	US + Canada 34,019	US + Canada 28,068	Latin America 33,875	Latin America 47,182	Latin America 58,570	Latin America 72,231	Latin America 72,602	Latin America 89,908
US + Canada 595	US + Canada 16,624	US + Canada 34,328	Europe 30,669	Europe 27,422	US + Canada 25,073	US + Canada 21,894	US + Canada 28,473	US + Canada 55,408	US + Canada 72,365	US + Canada 65,805
Asia ex- India+Pakistan 320	Latin America 1,416	Latin America 5,790	Latin America 11,820	Latin America 18,868	Europe 19,514	Europe 18,212	Pakistan + India + Bangladesh 22,981	Pakistan + India + Bangladesh 27,389	Pakistan + India + Bangladesh 39,450	Pakistan + India + Bangladesh 59,481
Latin America 93	Asia ex- India+Pakistan 978	Asia ex- India+Pakistan 1,638	Pakistan + India + Bangladesh 2,801	Pakistan + India + Bangladesh 5,721	Pakistan + India + Bangladesh 9,981	Pakistan + India + Bangladesh 16,820	Europe 18,730	Europe 16,249	Africa 19,290	Europe 19,822
Africa 24	Africa 545	Pakistan + India + Bangladesh 1,098	Asia ex- India+Pakistan 2,369	Africa 2,945	Africa 4,166	Africa 6,467	Africa 8,930	Africa 14,218	Europe 17,457	Africa 17,792
Pakistan + India + Bangladesh 13	Pakistan + India + Bangladesh 264	Africa 760	Africa 1,520	Asia ex- India+Pakistan 1,906	Asia ex- India+Pakistan 2,225	Asia ex- India+Pakistan 2,565	Asia ex- India+Pakistan 3,314	Asia ex- India+Pakistan 12,006	Asia ex- India+Pakistan 7,321	Asia ex- India+Pakistan 10,923

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