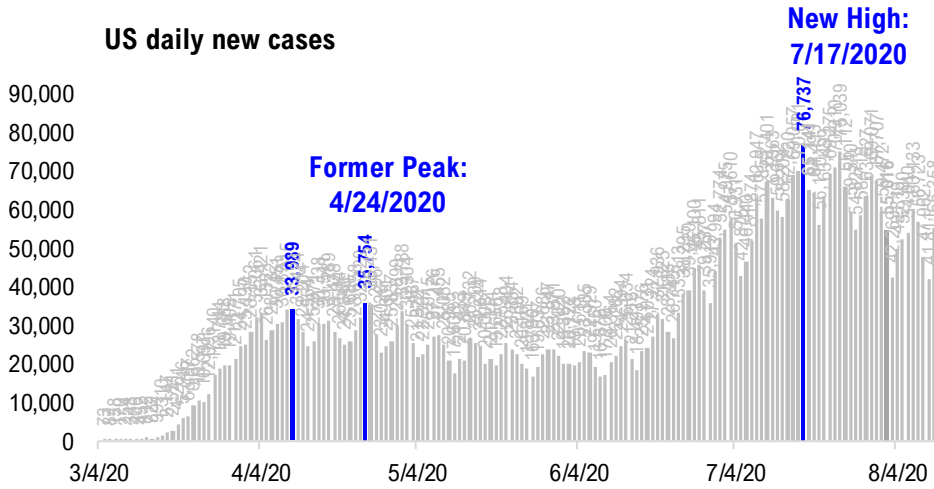


# FSInsight Daily COVID-19 Chartbook

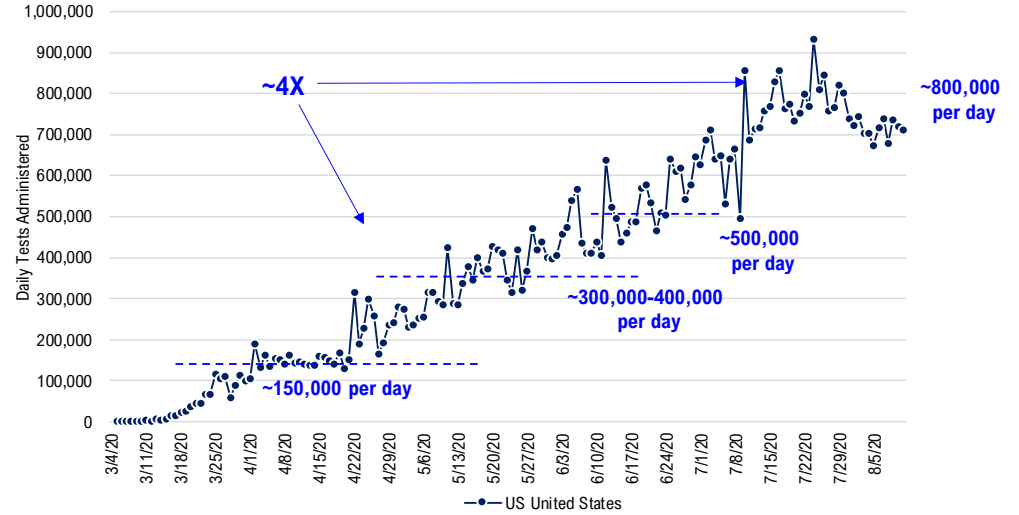


# #1: USA COVID-19 Situation at a Glance...

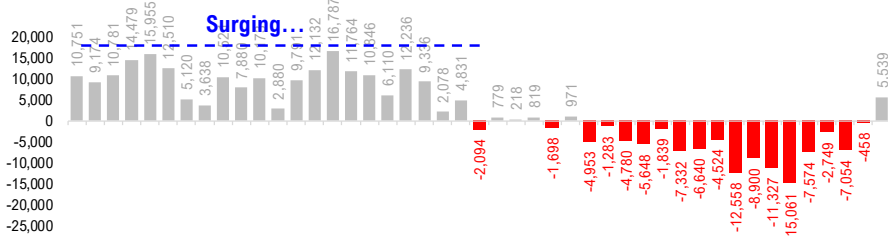
**US daily new cases**



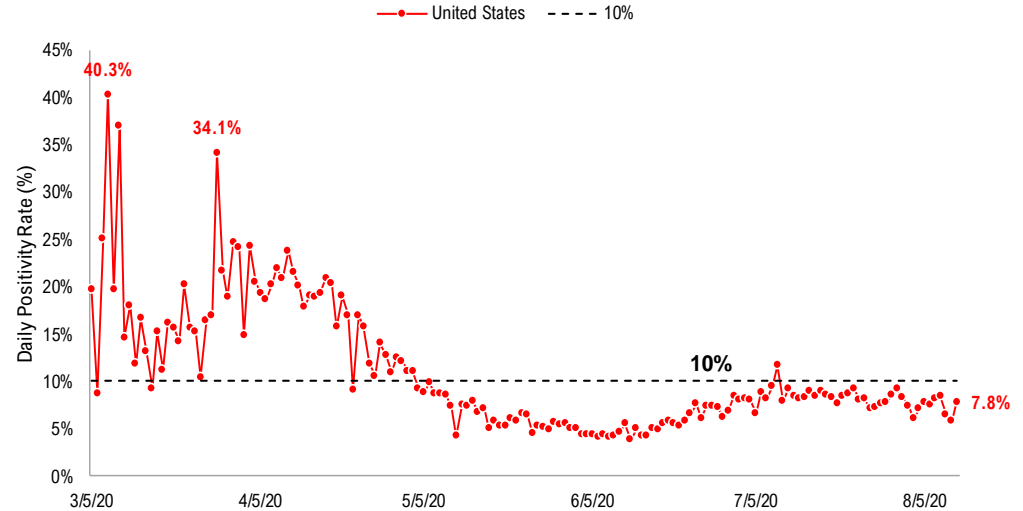
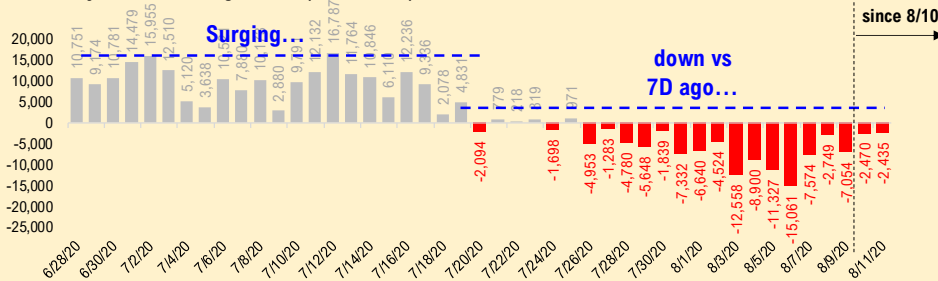
**USA total COVID-19 tests administered**



**US daily new cases rolling 7D delta**



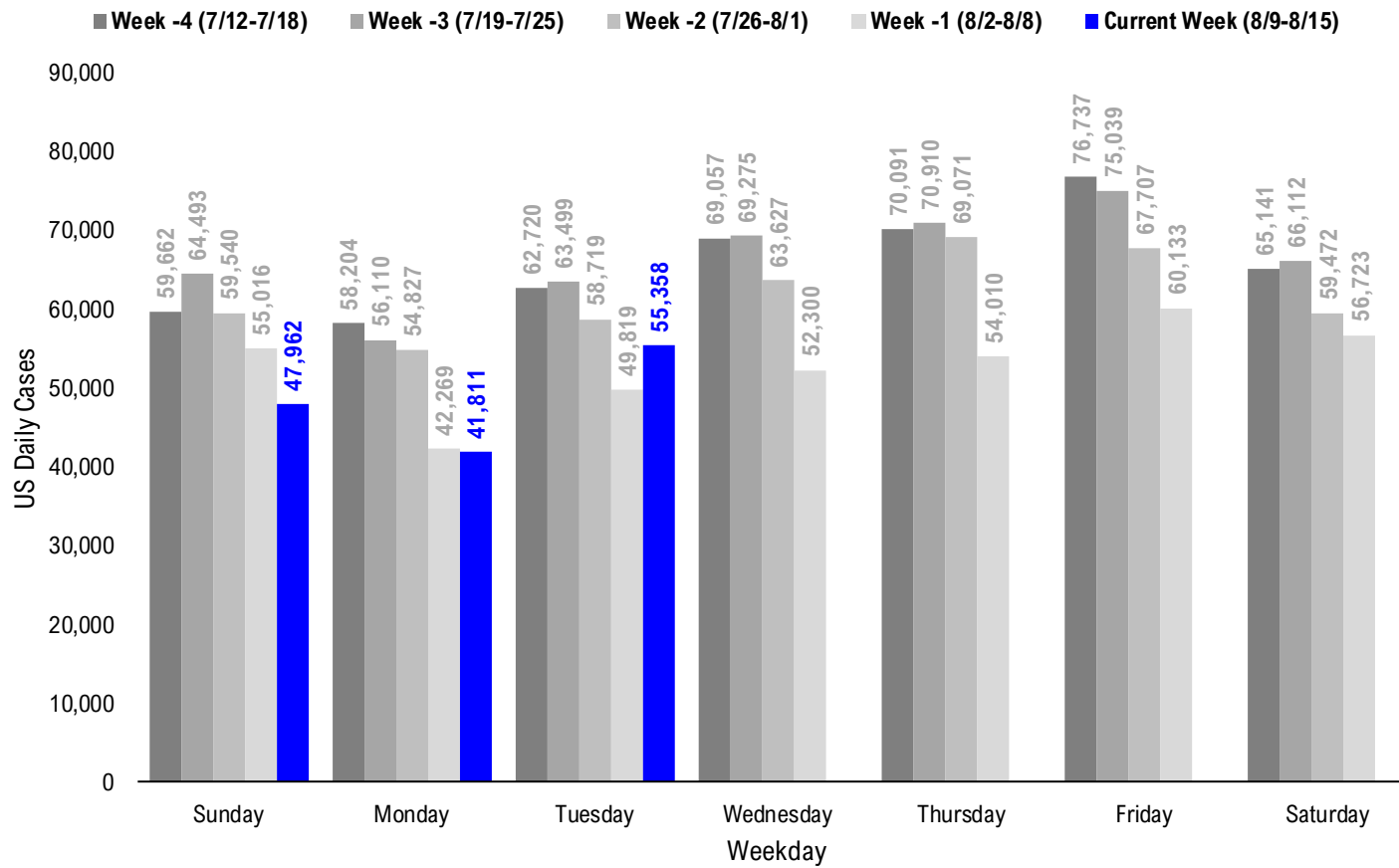
**US daily new cases rolling 7D delta (Ex-California)\***



\* Ignored California since August 10, due to its data glitch caused 300,000-case backlog

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

# #2: USA COVID-19 Daily Cases Weekday Seasonality (Past 4 Weeks) ...



# #3: USA State COVID-19 Situation at a Glance...

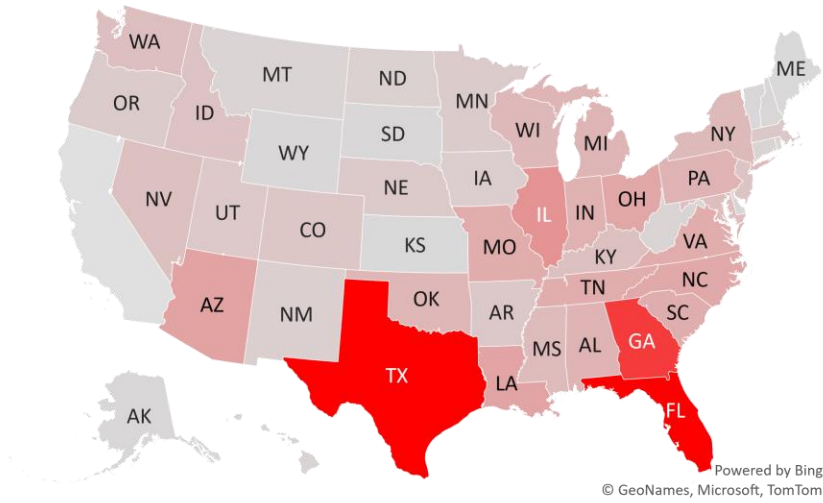
		Sorted Daily Cases		Daily Cases (3D avg) per 1mm residents		Since Peak			
		8/11/20	7D Delta	8/11/20	7D Delta	# Days	% Decline in Daily Cases		
United States	100%	55,358	+5,539	147	-2	25	-33%		
United States (ex-CA)	88%	42,858	-2,435	133	-13	25	-39%		
<b>States:</b>									
1	California	11.9%	12,500	+7,974	241	+79	18	-17%	
2	Texas	8.7%	9,803	+636	220	-18	25	-47%	
3	Florida	6.5%	5,831	+385	252	-17	29	-58%	
4	Georgia	3.2%	3,563	+1,050	288	+38	17	-29%	
5	Illinois	3.8%	1,549	+78	112	+0	89	-52%	
6	Arizona	2.2%	1,214	+206	120	-40	40	-80%	
7	Louisiana	1.4%	1,164	-710	314	-148	21	-45%	
8	Ohio	3.5%	1,095	-48	81	-5	11	-39%	
9	North Carolina	3.2%	1,051	-578	99	-37	24	-53%	
10	Tennessee	2.1%	1,001	-804	211	+4	14	-48%	
11	Virginia	2.6%	996	-149	100	-35	2	-39%	
12	Missouri	1.8%	981	-212	193	+40	12	-39%	
13	South Carolina	1.6%	971	-268	173	-60	30	-55%	
14	Indiana	2.0%	870	+48	127	+22	2	-22%	
15	Alabama	1.5%	831	-210	250	-46	17	-42%	
16	Pennsylvania	3.9%	828	-26	57	+3	123	-60%	
17	Michigan	3.0%	796	+132	62	+6	109	-49%	
18	Oklahoma	1.2%	765	-96	139	-7	14	-55%	
19	Wisconsin	1.8%	724	-4	106	-12	17	-39%	
20	New York	5.9%	667	-79	28	-3	123	-95%	
21	Mississippi	0.9%	644	-430	184	-75	12	-64%	
22	Maryland	1.8%	585	-125	125	-13	82	-40%	
23	Washington	2.3%	575	+33	90	-37	27	-33%	
24	Nevada	0.9%	548	-432	227	-109	24	-48%	
25	Kentucky	1.3%	539	-150	91	-19	17	-45%	
26	Idaho	0.5%	495	-64	205	-4	25	-46%	
27	New Jersey	2.7%	444	+88	39	+4	128	-91%	
28	Colorado	1.7%	402	-24	65	-1	107	-49%	

		Sorted Daily Cases		Daily Cases (3D avg) per 1mm residents		Since Peak			
		8/11/20	7D Delta	8/11/20	7D Delta	# Days	% Decline in Daily Cases		
United States	100%	55,358	+5,539	147	-2	25	-33%		
United States (ex-CA)	88%	42,858	-2,435	133	-13	25	-39%		
<b>States:</b>									
29	Massachusetts	2.1%	392	-154	48	-8	108	-90%	
30	Arkansas	0.9%	383	-401	177	-67	17	-41%	
31	Utah	1.0%	362	-16	104	-21	24	-59%	
32	Nebraska	0.6%	334	+112	135	-0	101	-49%	
33	Minnesota	1.7%	323	-279	103	-14	16	-29%	
34	Puerto Rico	1.0%	286	-14	108	+17	8	-8%	
35	Oregon	1.3%	286	-47	60	-9	10	-30%	
36	Iowa	1.0%	258	+57	111	-2	31	-51%	
37	New Mexico	0.6%	199	-11	84	-3	13	-52%	
38	North Dakota	0.2%	172	+24	165	+20	3	-16%	
39	West Virginia	0.5%	121	+43	58	-1	32	-40%	
40	Rhode Island	0.3%	119	-25	70	-46	108	-83%	
41	Hawaii	0.4%	118	-25	97	+4	2	-30%	
42	Connecticut	1.1%	117	+69	34	+6	111	-92%	
43	Montana	0.3%	97	+15	67	-6	11	-56%	
44	District of Columbia	0.2%	89	+4	115	+24	100	-65%	
45	Delaware	0.3%	65	-17	67	-22	105	-80%	
46	South Dakota	0.3%	50	-9	89	+9	94	-62%	
47	Alaska	0.2%	46	-7	95	-23	9	-48%	
48	Wyoming	0.2%	31	-5	58	-9	104	-43%	
49	U.S. Virgin Islands	0.0%	29	+5	150	+19	5	-23%	
50	New Hampshire	0.4%	21	-12	11	-9	101	-89%	
51	Guam	0.0%	16	+9	44	+28	4	-39%	
52	Vermont	0.2%	11	+6	10	+4	128	-90%	
53	Maine	0.4%	1	-4	6	-3	81	-88%	
54	Northern Mariana Islands	0.0%	0	+0	6	-18	130	-83%	
55	Kansas	0.9%	0	+0	125	+3	27	-53%	
56	American Samoa	0.0%	0	+0	0	+0	-	-	

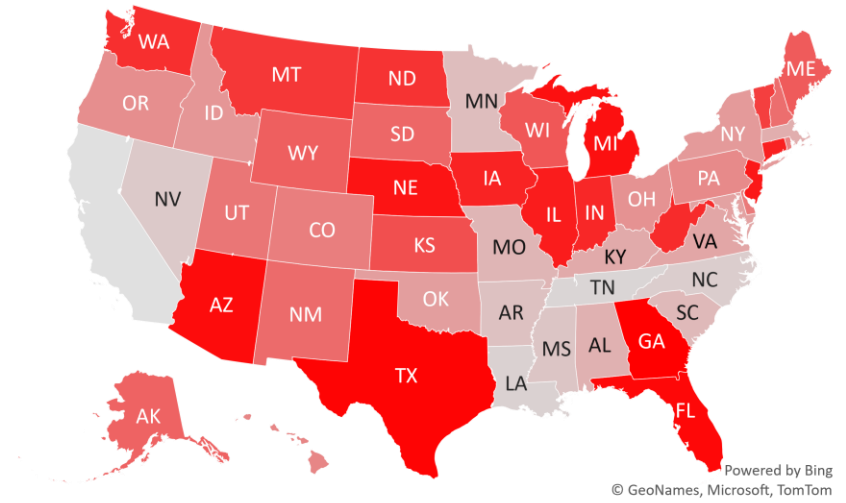
\* Ignored California in the 7D Delta of Daily Cases since August 10, due to its data glitch caused 300,000-case backlog  
 Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

# #4: USA COVID-19 Heat Map...

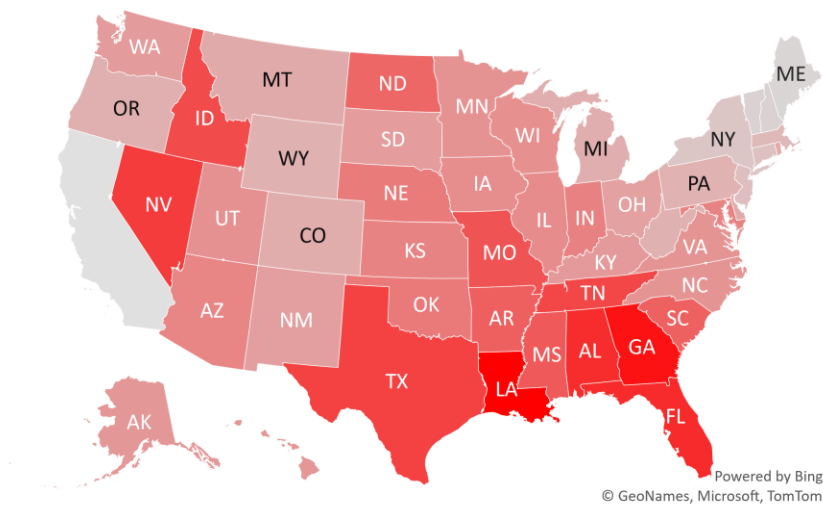
### Daily Case Increases



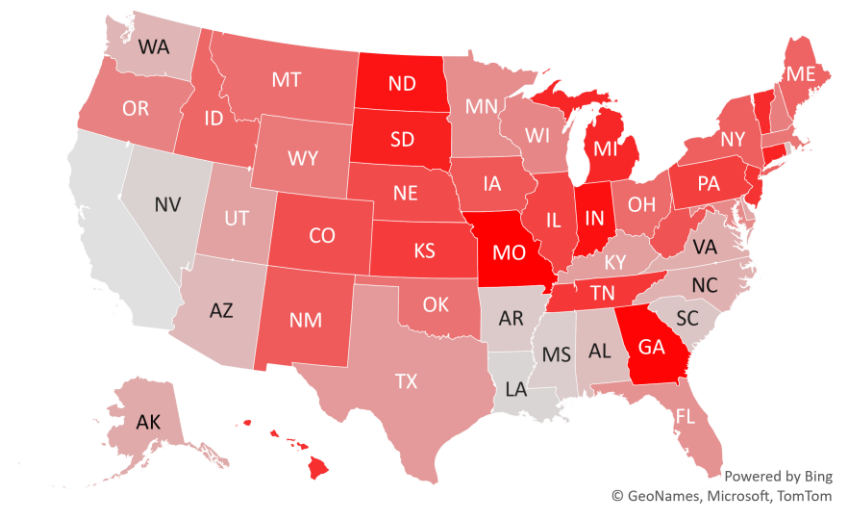
### 7D Delta in Daily New Cases



### Daily Case Increases per 1mm Resident (3D Avg)



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



\* California is ignored in the heatmaps due to its data glitch which caused 300,000-case backlog  
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health



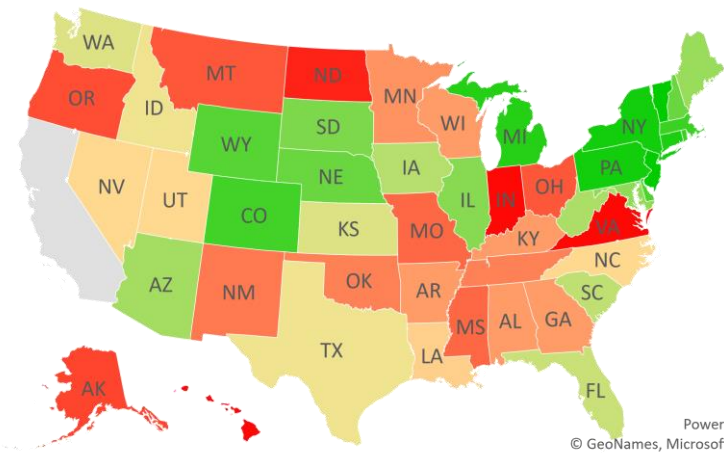
# #5: # of Days since Daily Case Peaked by States...

## # Days since Daily Cases (3D Avg) Peak (as of 8/11)

	Sorted			
	Peak Date	8/11/20	% off the Peak	% US Pop
United States	7/17/20	25	-33%	100%
United States (Ex-CA)	7/17/20	25	-39%	88%
<b>States:</b>				
Northern Mariana Island	4/3/20	130	-83%	0.0%
Vermont	4/5/20	128	-90%	0.2%
New Jersey	4/5/20	128	-91%	2.7%
Pennsylvania	4/10/20	123	-60%	3.9%
New York	4/10/20	123	-95%	5.9%
Connecticut	4/22/20	111	-92%	1.1%
Michigan	4/24/20	109	-49%	3.0%
Rhode Island	4/25/20	108	-83%	0.3%
Massachusetts	4/25/20	108	-90%	2.1%
Colorado	4/26/20	107	-49%	1.7%
Delaware	4/28/20	105	-80%	0.3%
Wyoming	4/29/20	104	-43%	0.2%
New Hampshire	5/2/20	101	-89%	0.4%
Nebraska	5/2/20	101	-49%	0.6%
District of Columbia	5/3/20	100	-65%	0.2%
South Dakota	5/9/20	94	-62%	0.3%
Illinois	5/14/20	89	-52%	3.8%
Maryland	5/21/20	82	-40%	1.8%
Maine	5/22/20	81	-88%	0.4%
Arizona	7/2/20	40	-80%	2.2%
West Virginia	7/10/20	32	-40%	0.5%
Iowa	7/11/20	31	-51%	1.0%
South Carolina	7/12/20	30	-55%	1.6%
Florida	7/13/20	29	-58%	6.5%
Washington	7/15/20	27	-33%	2.3%
Kansas	7/15/20	27	-53%	0.9%
Texas	7/17/20	25	-47%	8.7%
Idaho	7/17/20	25	-46%	0.5%

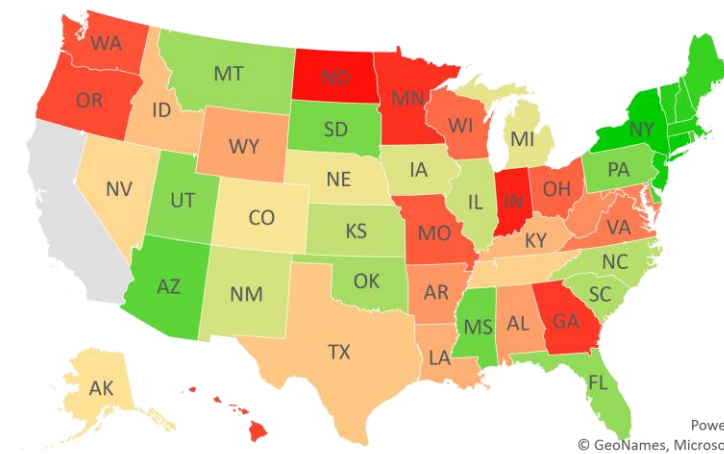
	Sorted			
	Peak Date	8/11/20	% off the Peak	% US Pop
United States	7/17/20	25	-33%	100%
United States (Ex-CA)	7/17/20	25	-39%	88%
<b>States:</b>				
Utah	7/18/20	24	-59%	1.0%
Nevada	7/18/20	24	-48%	0.9%
North Carolina	7/18/20	24	-53%	3.2%
Louisiana	7/21/20	21	-45%	1.4%
California	7/24/20	18	-17%	11.9%
Wisconsin	7/25/20	17	-39%	1.8%
Kentucky	7/25/20	17	-45%	1.3%
Georgia	7/25/20	17	-29%	3.2%
Arkansas	7/25/20	17	-41%	0.9%
Alabama	7/25/20	17	-42%	1.5%
Minnesota	7/26/20	16	-29%	1.7%
Tennessee	7/28/20	14	-48%	2.1%
Oklahoma	7/28/20	14	-55%	1.2%
New Mexico	7/29/20	13	-52%	0.6%
Mississippi	7/30/20	12	-64%	0.9%
Missouri	7/30/20	12	-39%	1.8%
Ohio	7/31/20	11	-39%	3.5%
Montana	7/31/20	11	-56%	0.3%
Oregon	8/1/20	10	-30%	1.3%
Alaska	8/2/20	9	-48%	0.2%
Puerto Rico	8/3/20	8	-8%	1.0%
U.S. Virgin Islands	8/6/20	5	-23%	0.0%
Guam	8/7/20	4	-39%	0.0%
North Dakota	8/8/20	3	-16%	0.2%
Virginia	8/9/20	2	-39%	2.6%
Indiana	8/9/20	2	-22%	2.0%
Hawaii	8/9/20	2	-30%	0.4%

## # Days since Daily Case Peak: Greener = More Days



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## Daily Cases % off the Peak: Greener = Larger Decline



Powered by Bing  
© GeoNames, Microsoft, TomTom

\* California is ignored in the heatmaps due to its data glitch which caused 300,000-case backlog  
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

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

**Sorted**  
Last 3-day trend growth rates

	8/9/20	8/10/20	8/11/20	
United States	47,962	41,811	55,358	+13,547
United States (ex-CA)	39,589	34,060	42,858	+8,798
<b>States:</b>				
1 California	8,373	7,751	12,500	<--higher
2 Texas	4,879	4,455	9,803	<--higher
3 Florida	6,229	4,155	5,831	
4 Georgia	3,169	2,429	3,563	
5 Illinois	1,382	1,319	1,549	
6 Arizona	816	600	1,214	<--higher
7 Louisiana	2,653	562	1,164	
8 Ohio	879	883	1,095	<--higher
9 North Carolina	1,452	626	1,051	
10 Tennessee	2,127	1,202	1,001	
11 Virginia	897	663	996	
12 Missouri	0	2,575	981	
13 South Carolina	975	724	971	
14 Indiana	1,041	664	870	
15 Alabama	1,161	1,686	831	
16 Pennsylvania	760	601	828	
17 Michigan	514	557	796	<--higher
18 Oklahoma	486	397	765	<--higher
19 Wisconsin	621	507	724	
20 New York	515	476	667	<--higher
21 Mississippi	527	476	644	<--higher
22 Maryland	922	755	585	
23 Washington	936	549	575	
24 Nevada	811	742	548	
25 Kentucky	404	272	539	<--higher
26 Idaho	176	429	495	
27 New Jersey	344	258	444	<--higher
28 Colorado	336	379	402	

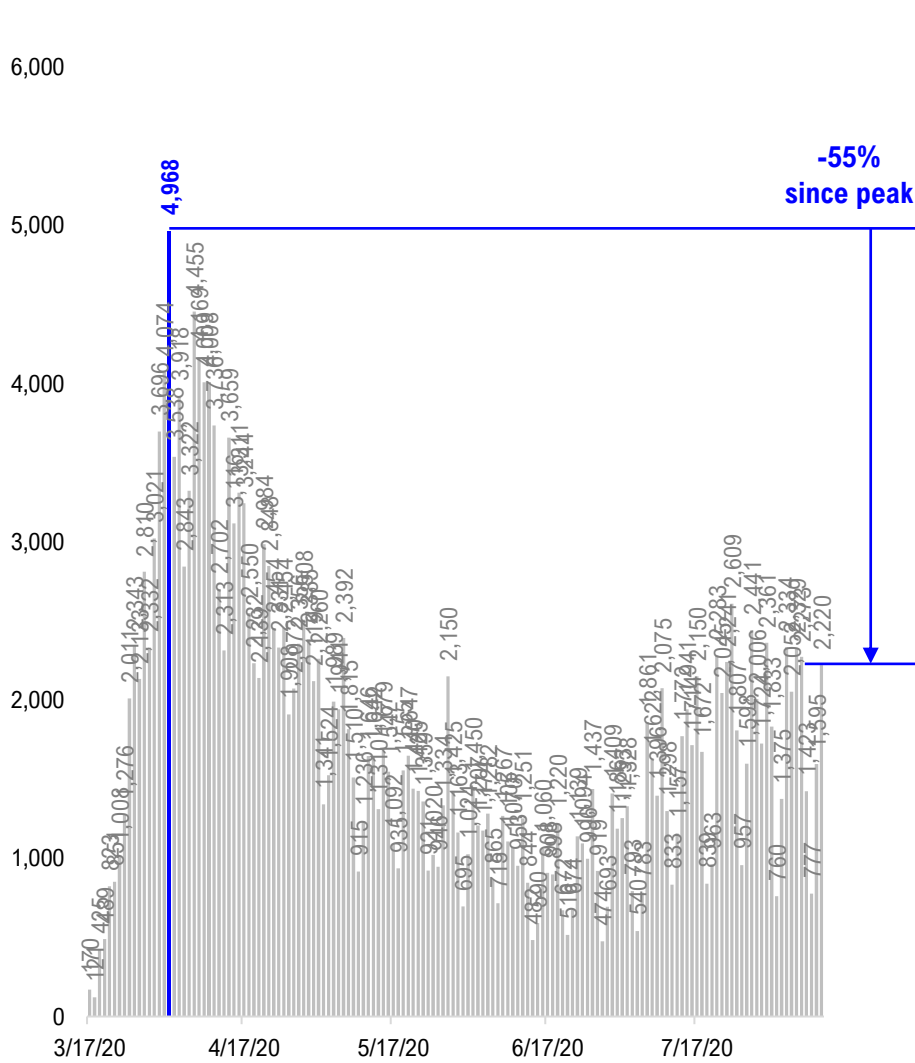
**Sorted**  
Last 3-day trend growth rates

	8/9/20	8/10/20	8/11/20	
United States	47,962	41,811	55,358	+13,547
United States (ex-CA)	39,589	34,060	42,858	+8,798
<b>States:</b>				
29 Massachusetts	329	275	392	
30 Arkansas	572	645	383	
31 Utah	376	263	362	
32 Nebraska	187	264	334	<--higher
33 Minnesota	797	618	323	
34 Puerto Rico	361	385	286	
35 Oregon	251	227	286	
36 Iowa	506	282	258	
37 New Mexico	200	129	199	
38 North Dakota	88	117	172	<--higher
39 West Virginia	131	60	121	
40 Rhode Island	74	28	119	<--higher
41 Hawaii	152	140	118	
42 Connecticut	0	247	117	
43 Montana	64	55	97	<--higher
44 District of Columbia	100	54	89	
45 Delaware	73	59	65	
46 South Dakota	128	58	50	
47 Alaska	98	64	46	
48 Wyoming	37	32	31	
49 U.S. Virgin Islands	19	0	29	<--higher
50 New Hampshire	13	9	21	
51 Guam	0	6	16	
52 Vermont	5	2	11	
53 Maine	16	7	1	
54 Northern Mariana Islands	0	1	0	
55 Kansas	0	1,092	0	
56 American Samoa	0	0	0	

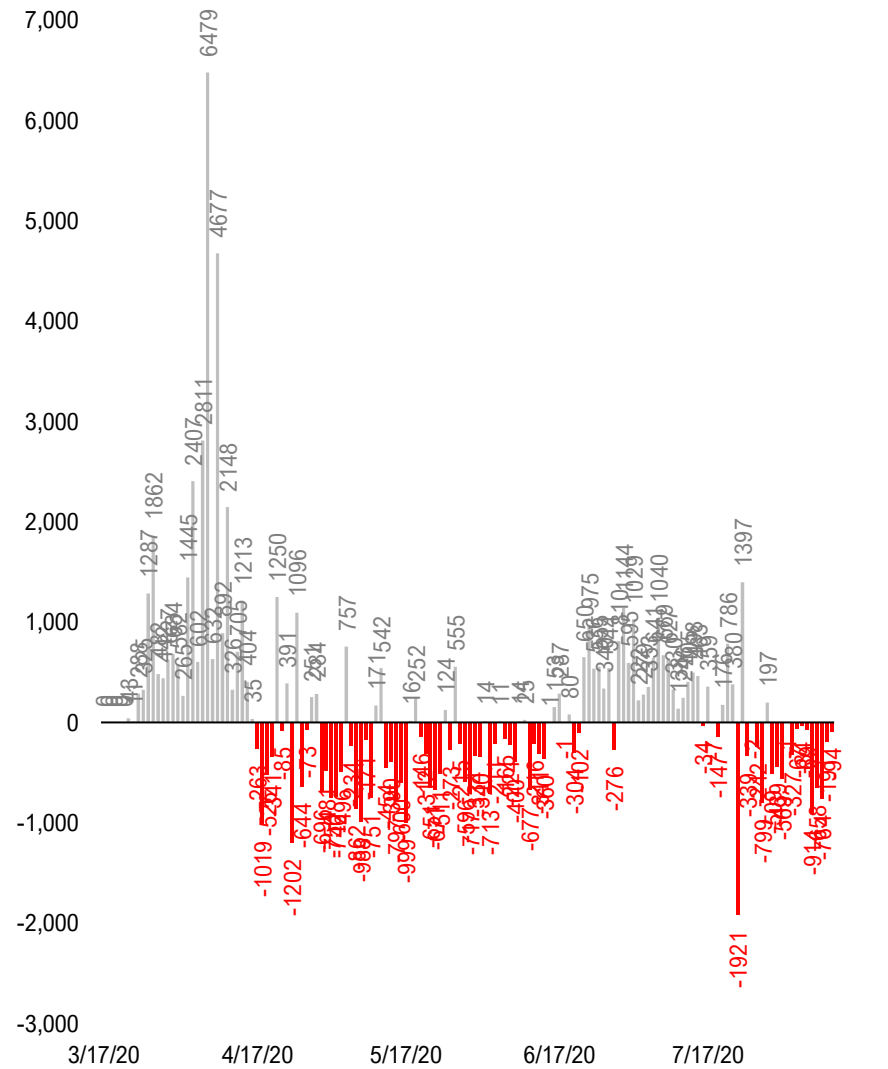
<--higher – if the state has 20% or more daily cases than prior two days...  
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

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

## US Gross Hospitalizations (Composite of 33 states that report "gross hospitalizations")



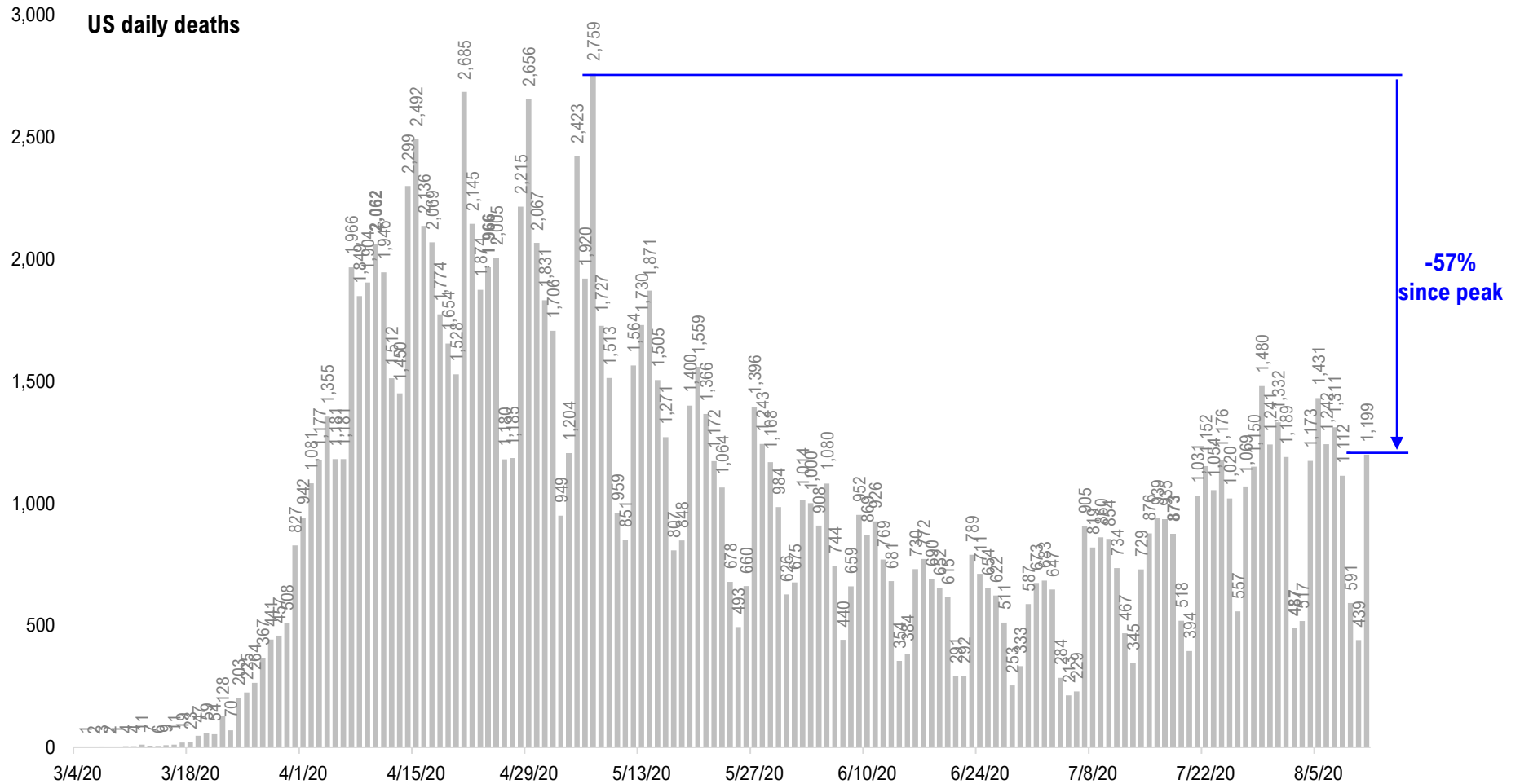
## US Net Hospitalizations (Composite of 18 states that report "net/current hospitalizations")





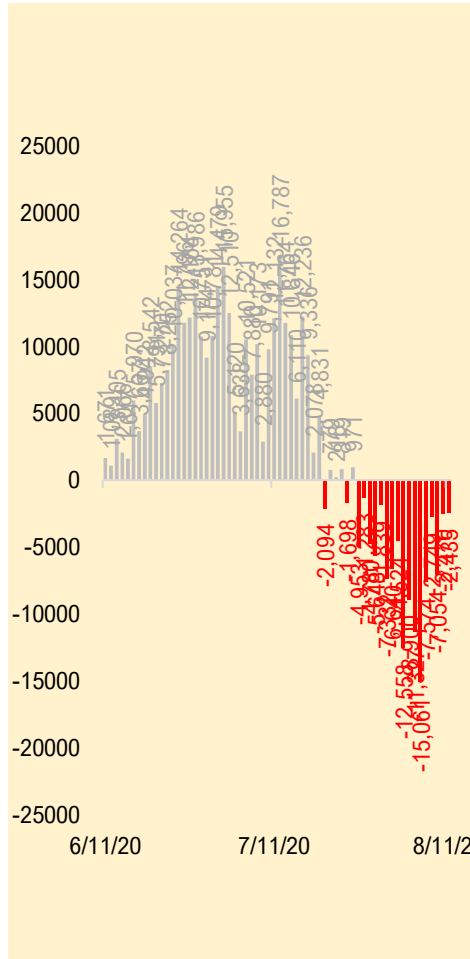
# #8: US Daily New Fatalities...

## US daily COVID-19 Fatalities

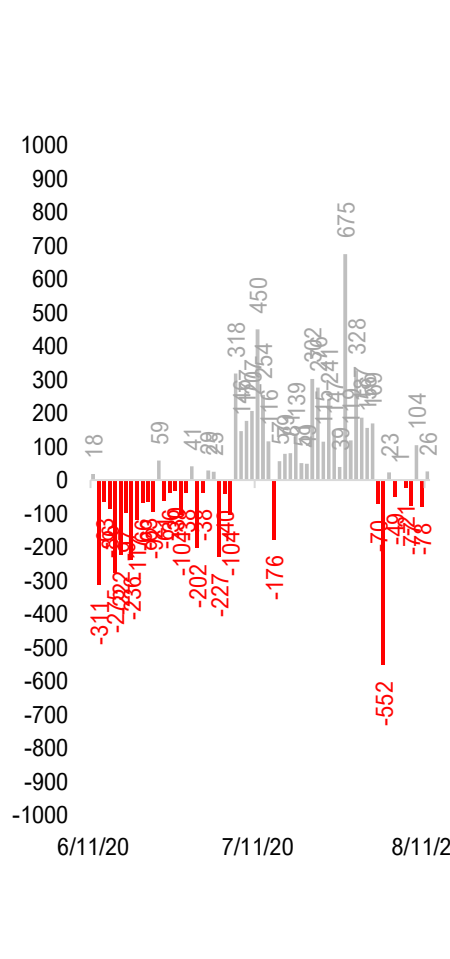


# #9: Rolling 7-Day Change in the Key Metrics... (Past 8 Weeks)

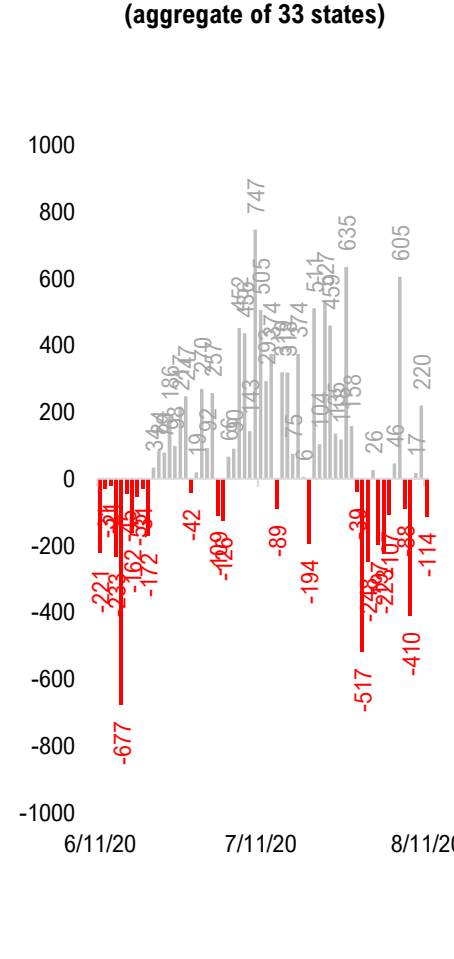
**Daily New Cases (ex-CA)**



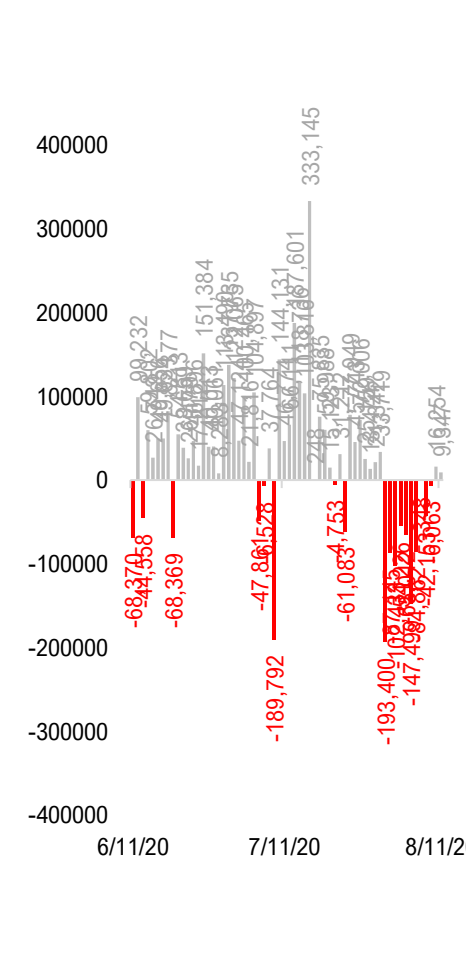
**Daily Deaths**



**Daily New Gross hospitalization (aggregate of 33 states)**

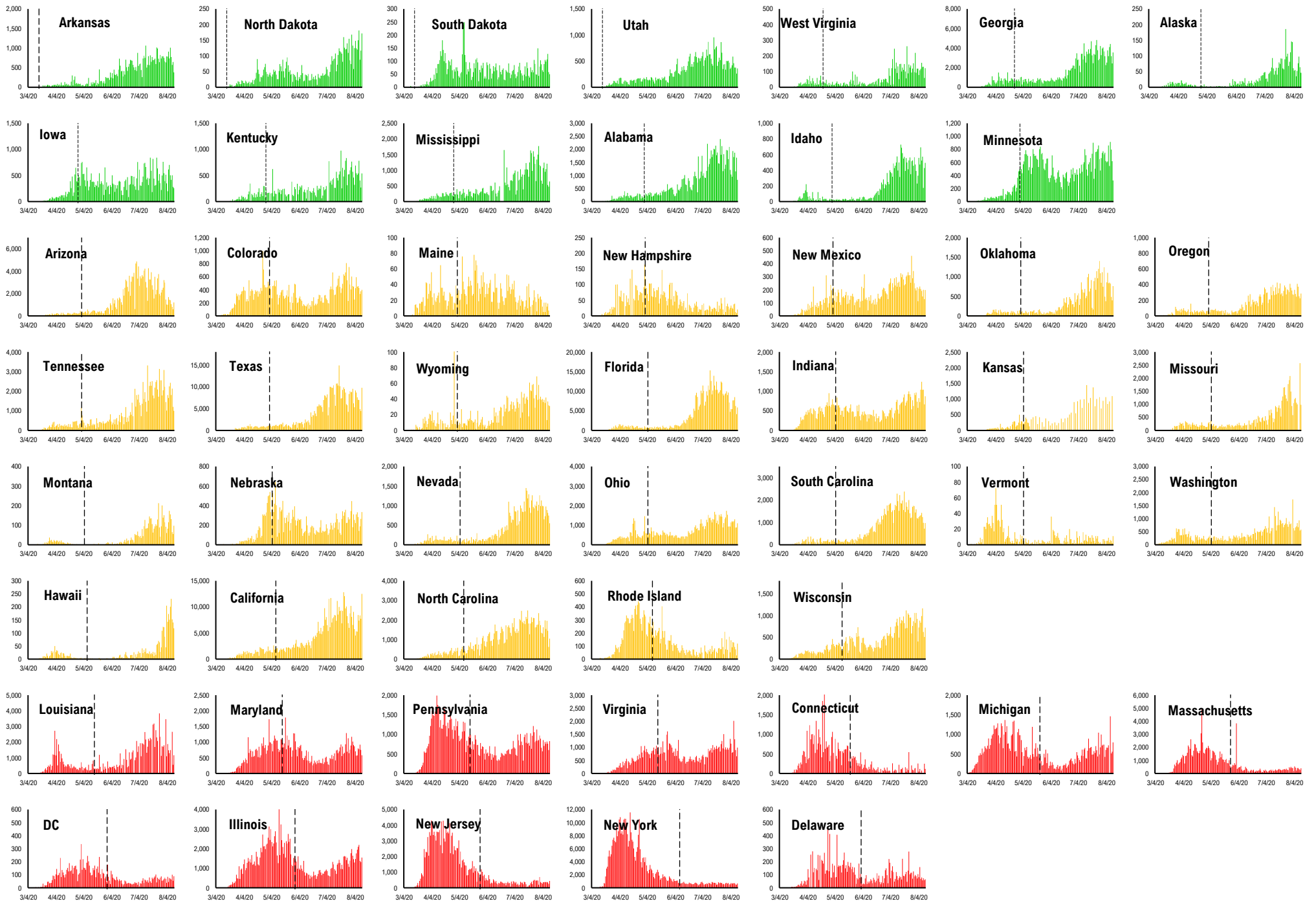


**Daily Tests**

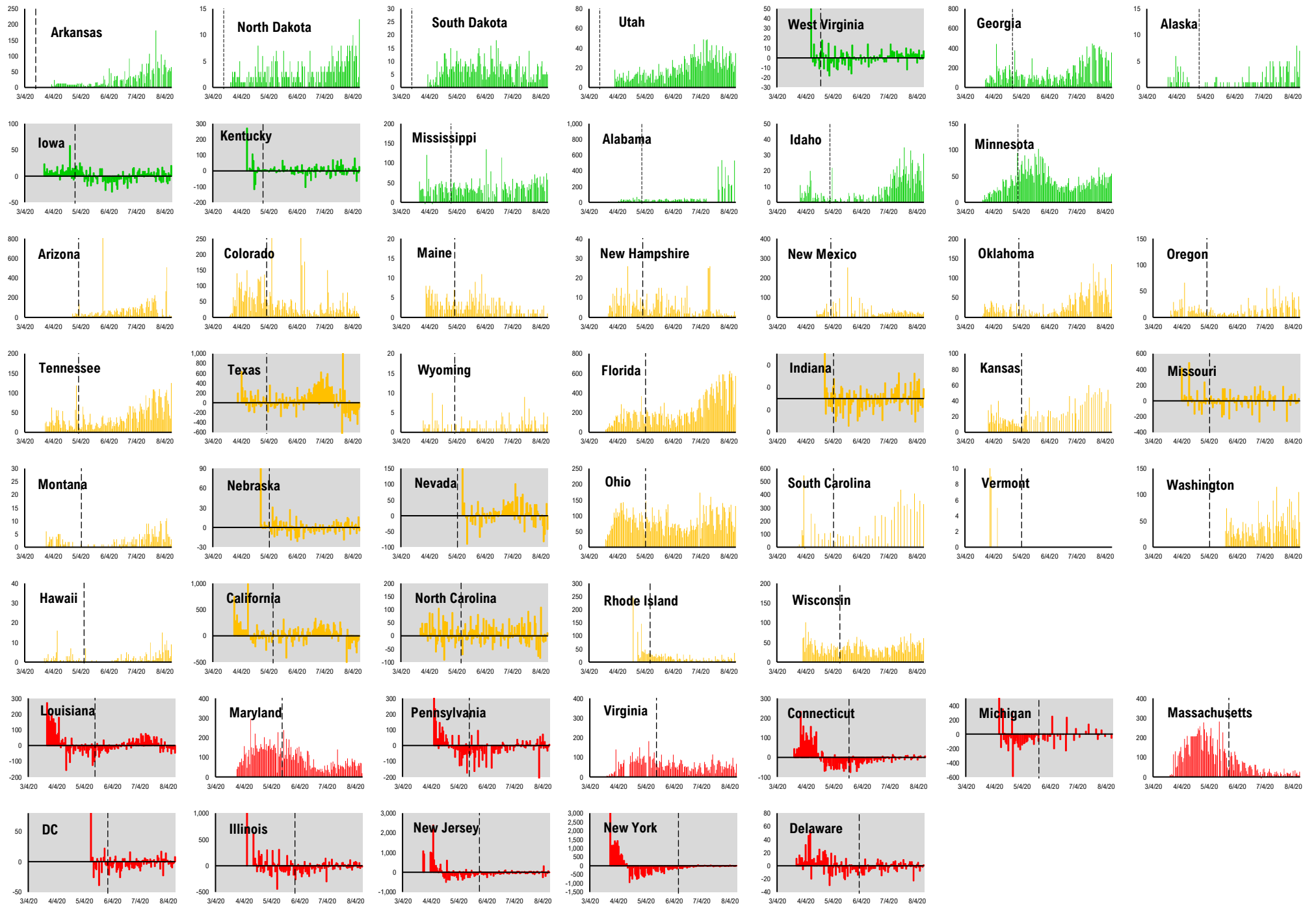


\* Ignored California since August 10, due to its data glitch caused 300,000-case backlog  
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

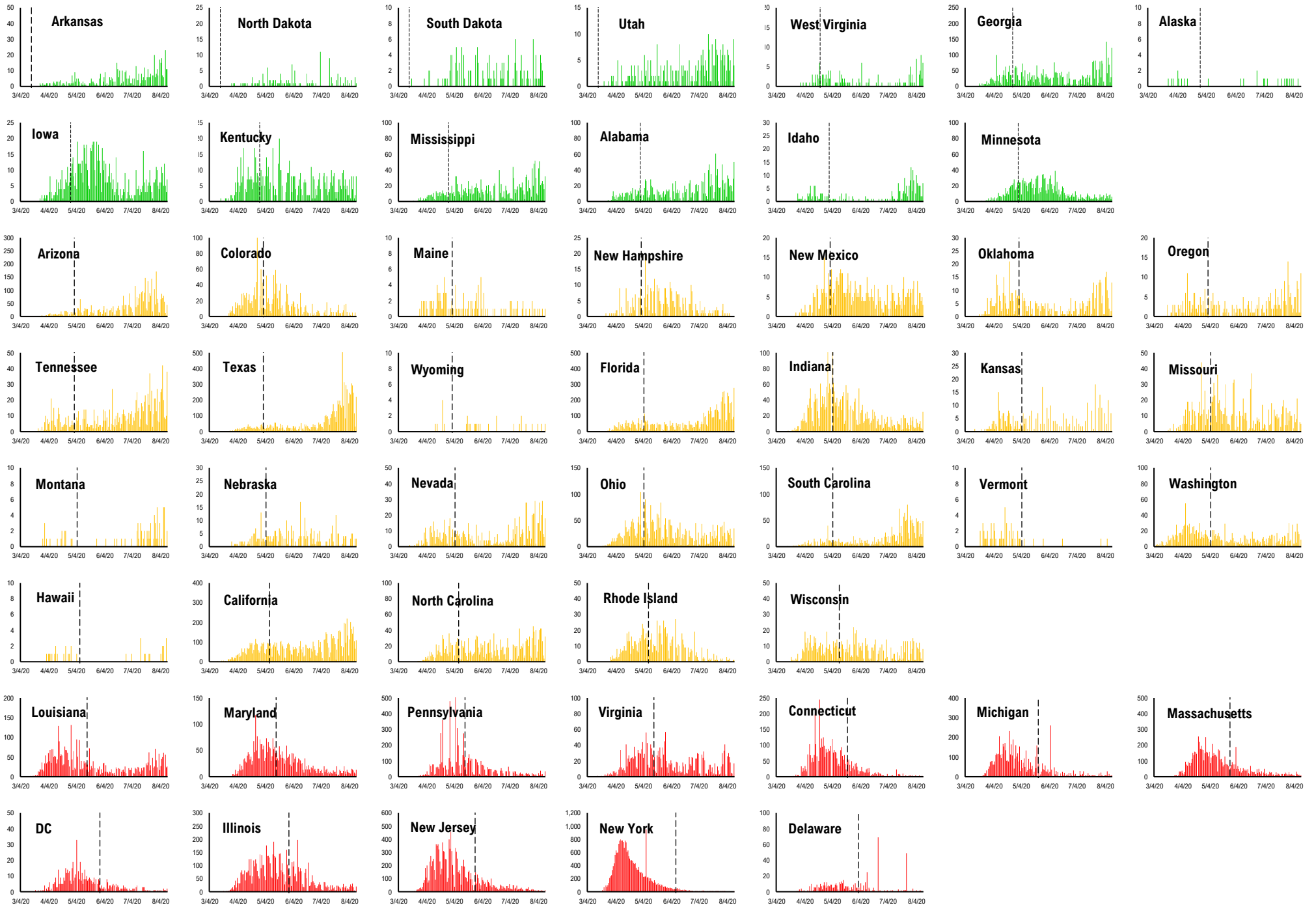
# #10: Daily New Cases by States... (sorted by "open" date)



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



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





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

Daily Cases

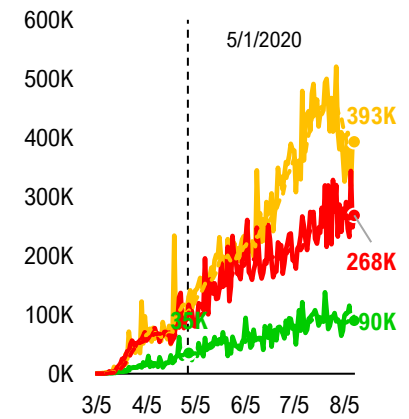
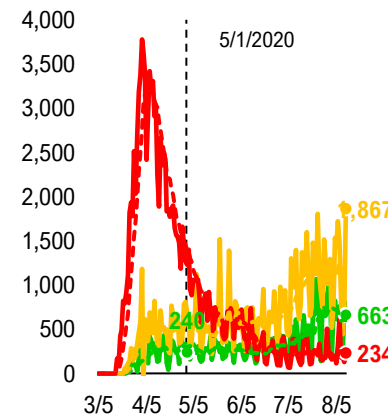
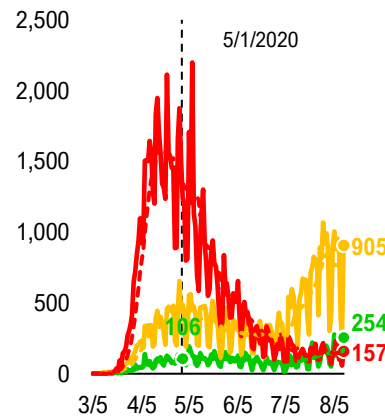
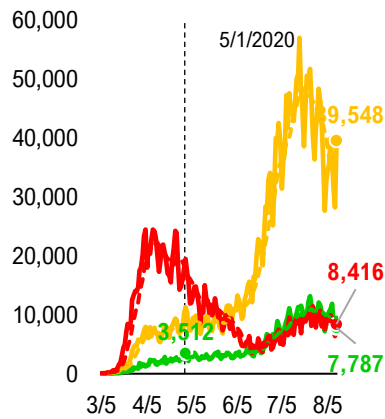
Daily Deaths

Daily Hospitalization

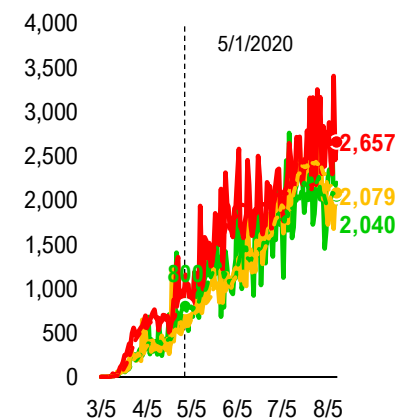
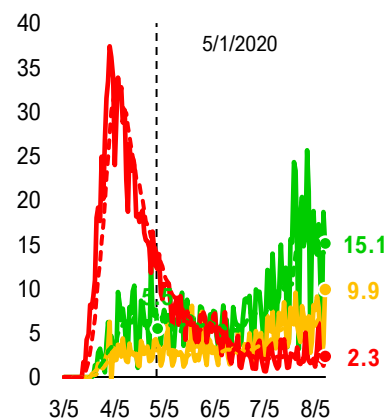
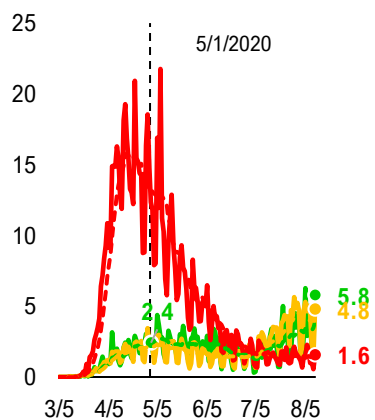
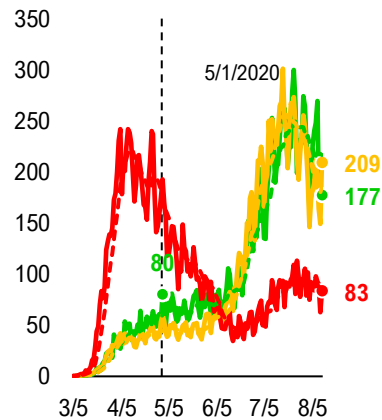
Daily Testing

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

Composite Daily Aggregate

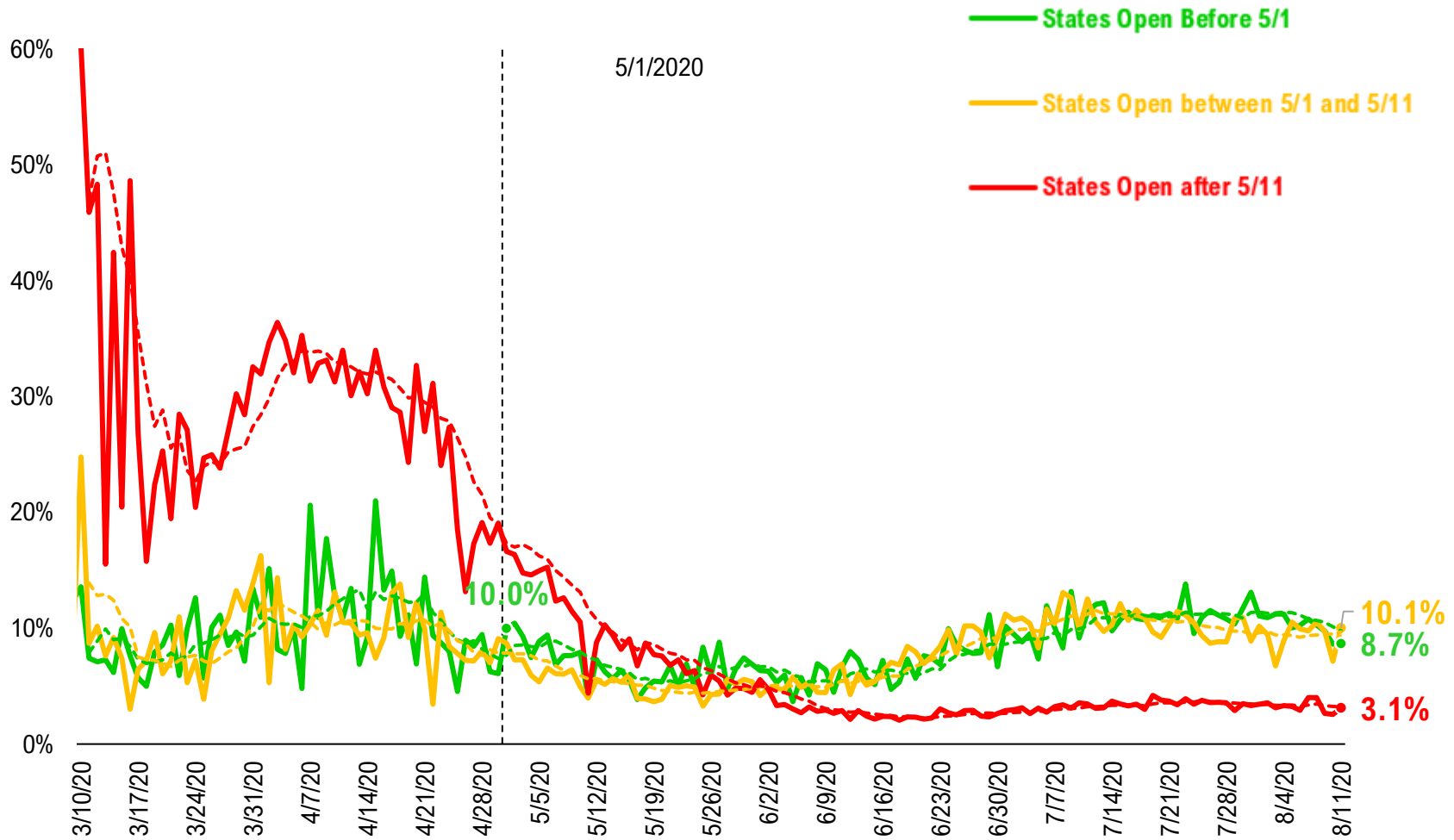


Composite Daily Aggregate Per 1mm Pop

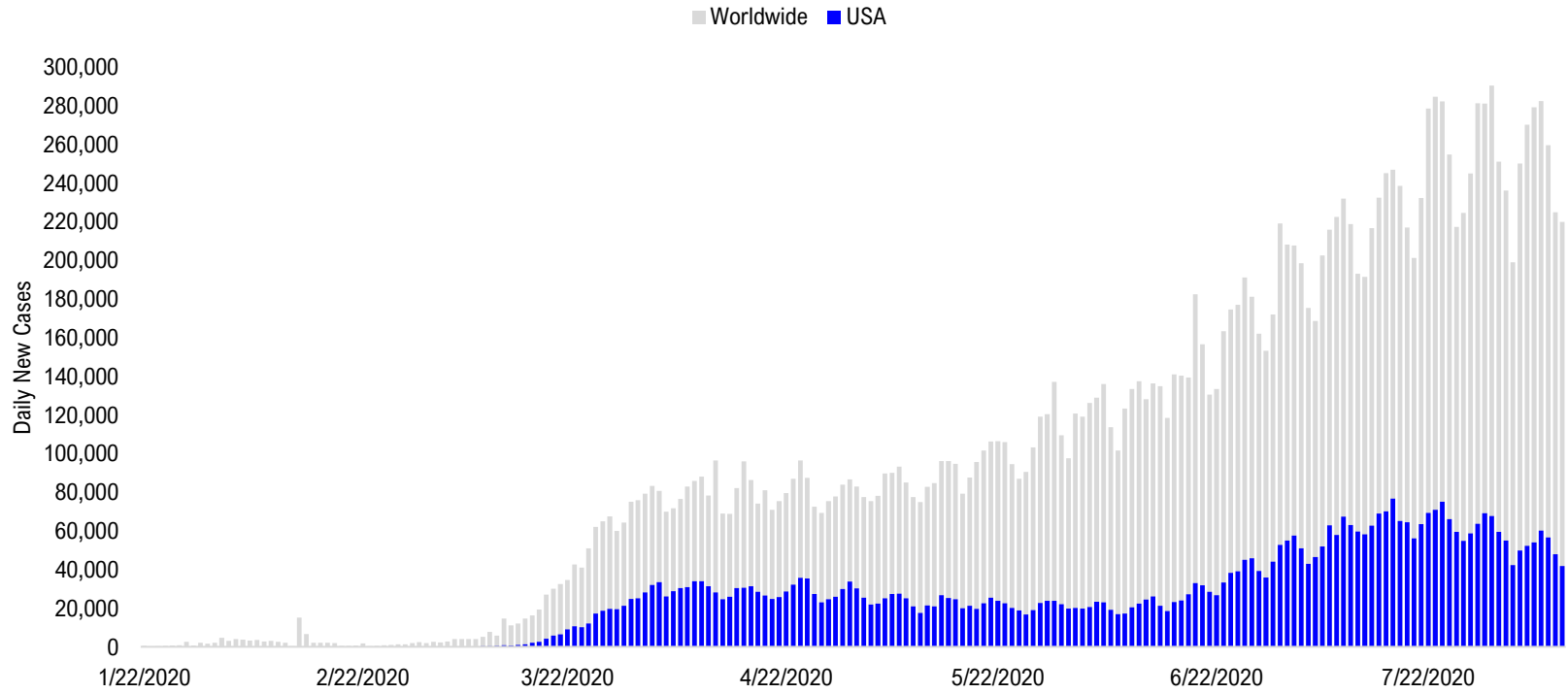


# #14: State COVID-19 Daily Positivity Rate by Reopen Date...

## Composite Daily Positivity Rate



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



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	7/31/2020	8/10/2020
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 97,308	Latin America 69,412
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 67,272	Pakistan + India + Bangladesh 63,361
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 58,625	US + Canada 49,167
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 20,876	Europe 20,098
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 17,999	Africa 11,859
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 10,630	Asia ex- India+Pakistan 10,616

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