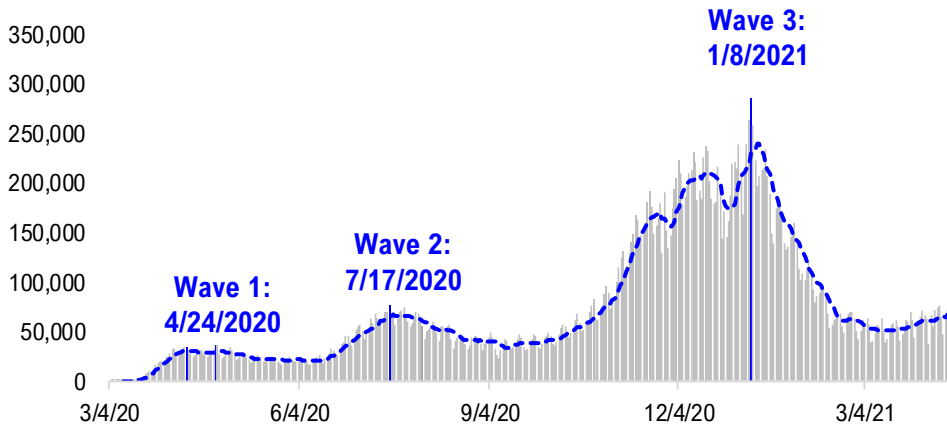


# FSInsight Daily COVID-19 Chartbook

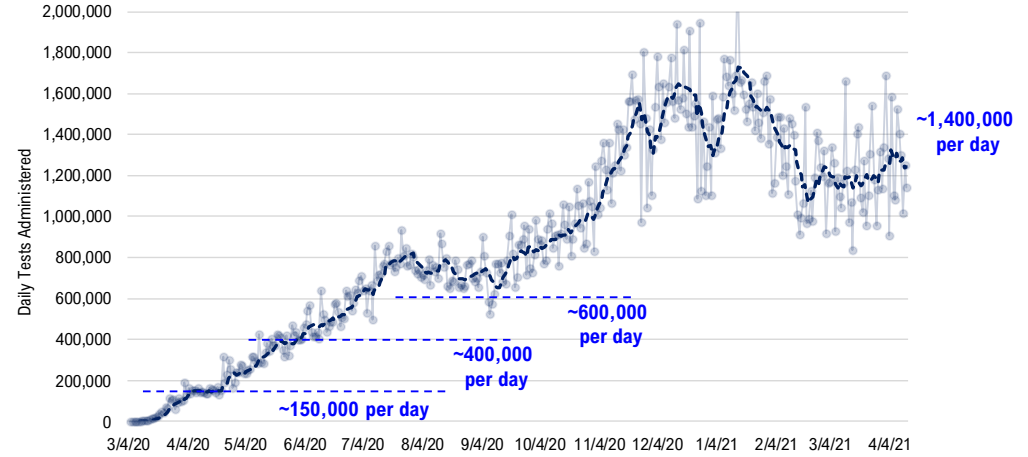


# #1: USA COVID-19 Situation at a Glance...

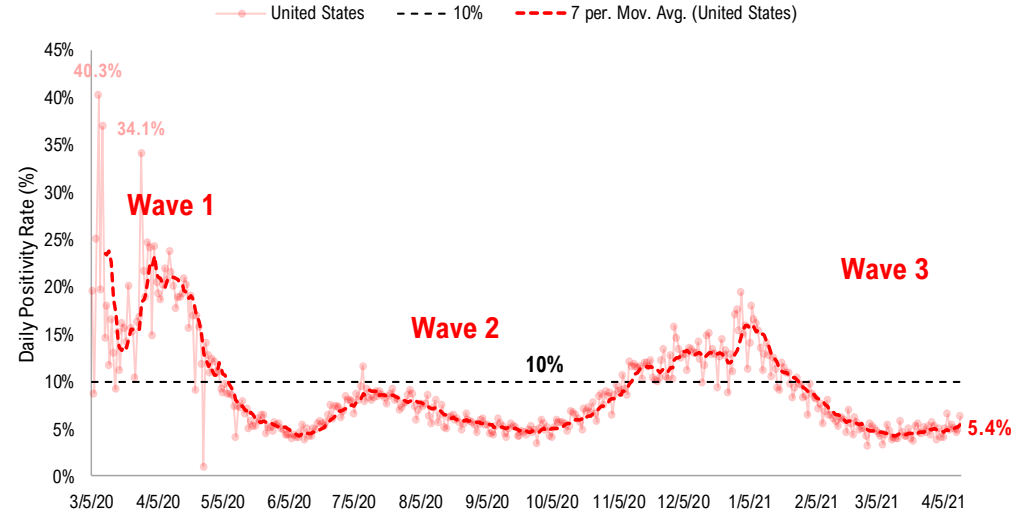
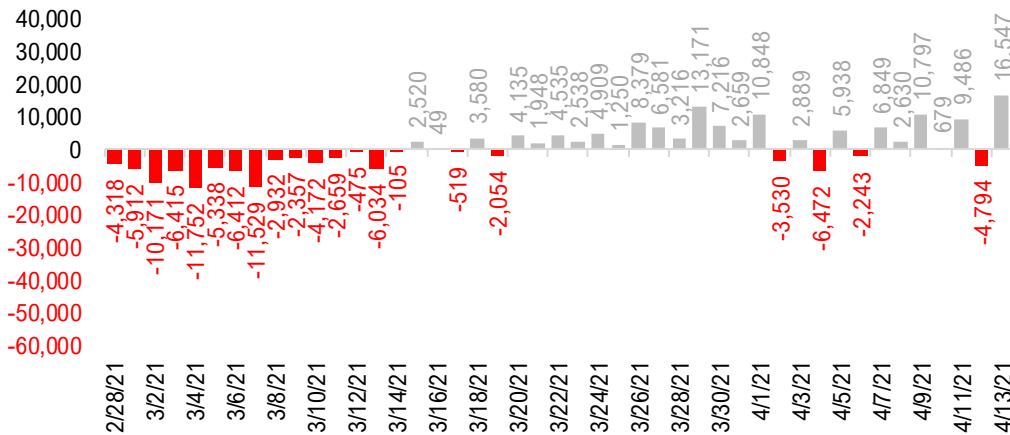
**US daily new cases**



**USA total COVID-19 tests administered**

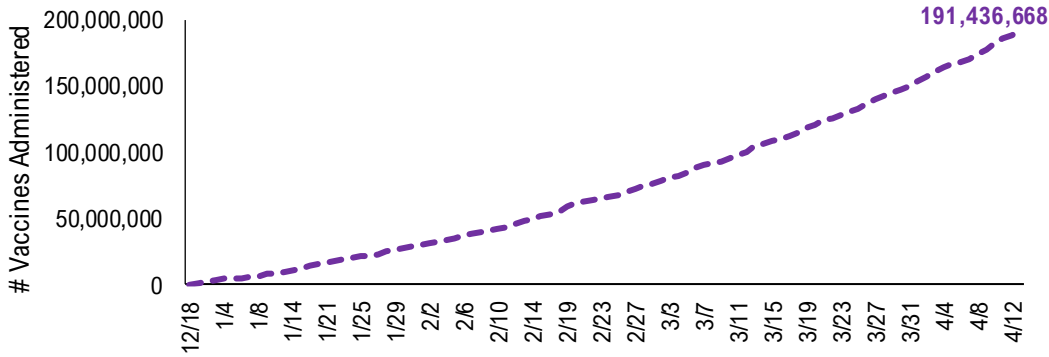


**US daily new cases rolling 7D delta**

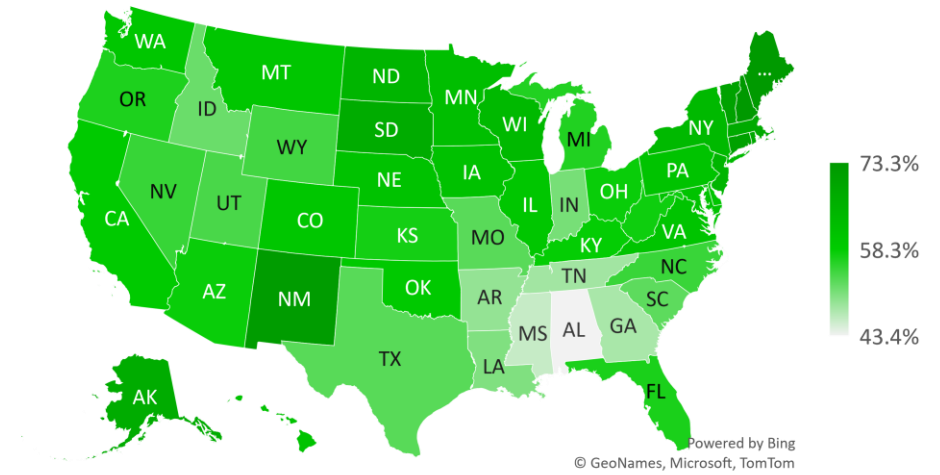


# #2: USA COVID-19 Vaccination Progress at a Glance...

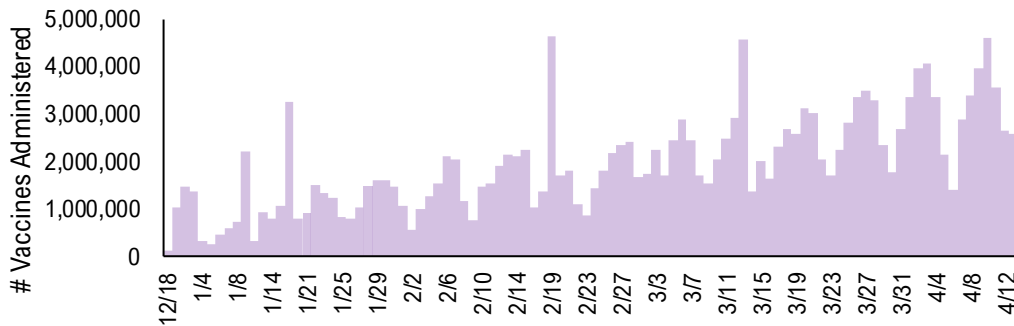
### Cumulative Vaccines Administered



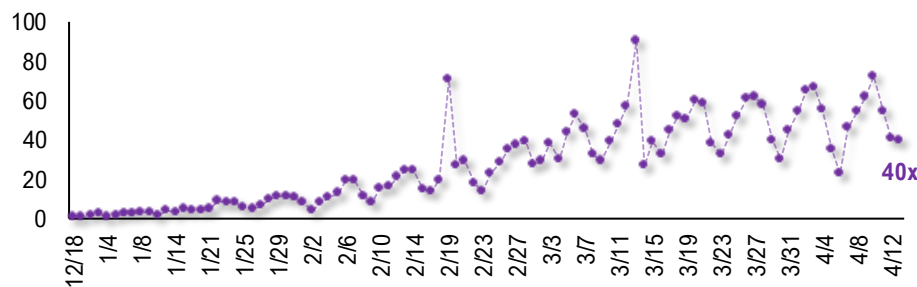
### Cumulative Vaccines Administered as % State Population



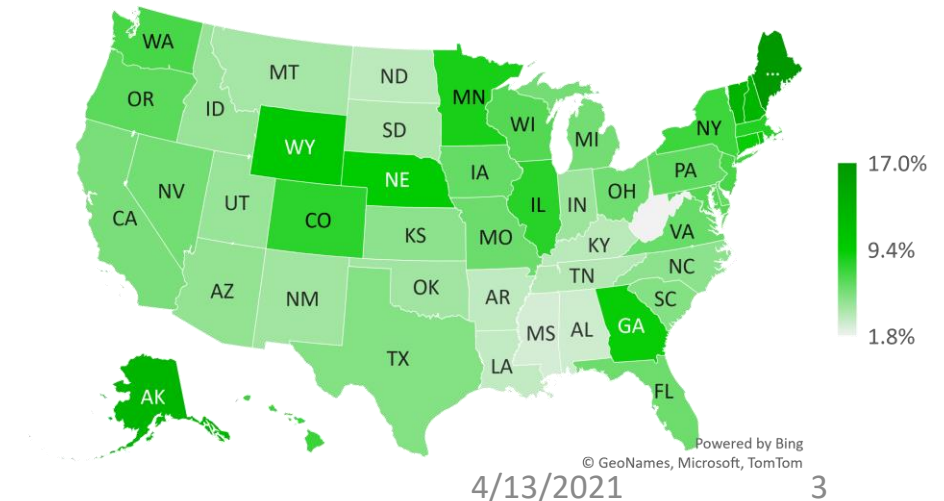
### Daily Vaccines Administered



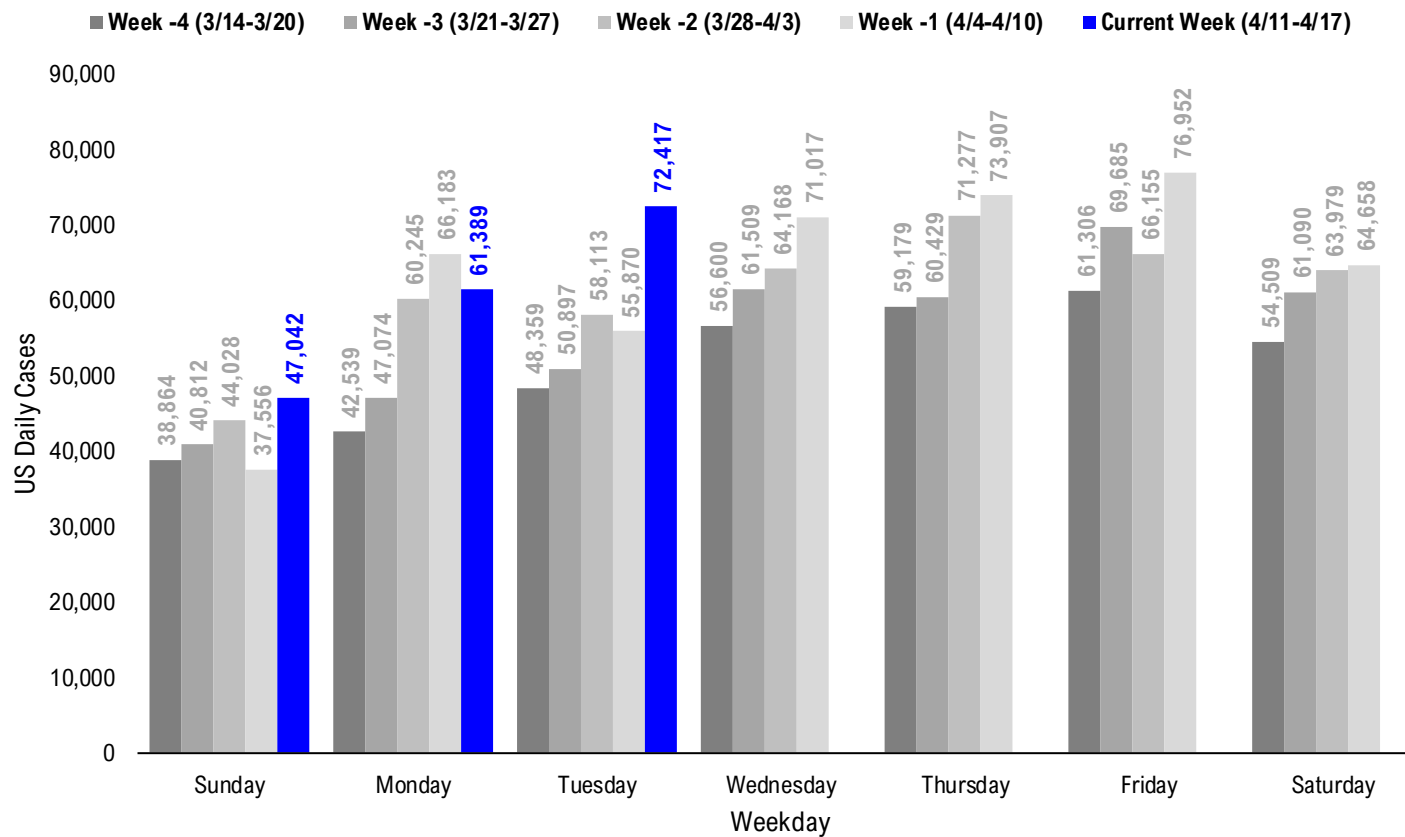
### Daily Vaccinations / Daily Cases (7D Avg)



### Implied Weekly Vaccines Administered as % State Population



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



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

	Sorted Daily Cases		Daily Cases (3D avg) per 1mm residents				Since Peak		Hospitalization	
	% US Pop	% US GDP	4/13	7D Delta	4/13	7D Delta	# Days	% Decline in Daily Cases	7D Net Hospitalization	7D Net Hospitalization / 7D New Cases
	United States	100%	100%	72.417	+16.547	184	+22	94	-78%	1.998

	Sorted Daily Cases		Daily Cases (3D avg) per 1mm residents				Since Peak		Hospitalization	
	% US Pop	% US GDP	4/13	7D Delta	4/13	7D Delta	# Days	% Decline in Daily Cases	7D Net Hospitalization	7D Net Hospitalization / 7D New Cases
	United States	100%	100%	72.417	+16.547	184	+22	94	-78%	1.998

**States:**

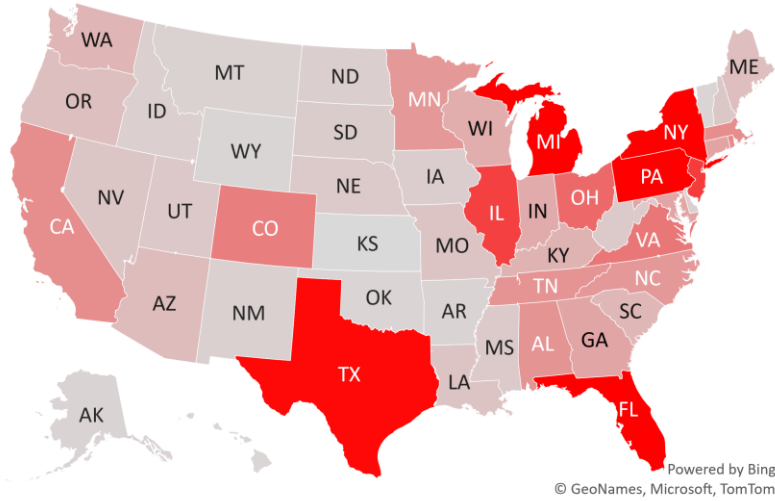
1 Florida	6.5%	5.0%	9,068	+3,512	251	+37	95	-72%	235	0.5%
2 Michigan	3.0%	2.6%	8,867	+3,903	619	+110	146	-29%	695	1.4%
3 Pennsylvania	3.9%	3.8%	6,638	+2,383	341	+57	129	-64%	157	0.5%
4 New York	5.9%	8.1%	5,029	-719	286	-53	94	-69%	-358	(0.7%)
5 Texas	8.7%	8.8%	4,370	+1,005	84	+19	96	-89%	120	0.7%
6 New Jersey	2.7%	3.0%	3,294	+72	309	-28	94	-55%	-10	(0.0%)
7 Illinois	3.8%	4.2%	3,193	+262	225	+29	151	-79%	371	1.6%
8 Ohio	3.5%	3.3%	2,340	+469	175	+38	124	-82%	145	1.0%
9 Virginia	2.6%	2.6%	2,048	+614	179	+34	85	-81%	-18	(0.2%)
10 Colorado	1.7%	1.8%	1,904	+638	234	+40	143	-77%	65	0.6%
11 Rhode Island	0.3%	0.3%	1,677	+1,301	528	+121	129	-66%	-12	(0.4%)
12 Massachusetts	2.1%	2.8%	1,598	-205	248	+16	94	-78%	-11	(0.1%)
13 California	11.9%	14.6%	1,568	+201	77	+28	93	-94%	-198	(1.0%)
14 Tennessee	2.1%	1.8%	1,457	+471	209	-5	116	-86%	-31	(0.4%)
15 Alabama	1.5%	1.1%	1,432	+1,236	130	+96	96	-87%	22	0.6%
16 North Carolina	3.2%	2.7%	1,364	+494	223	-8	94	-78%	50	0.4%
17 Minnesota	1.7%	1.8%	1,358	-1,654	303	+43	134	-78%	179	1.2%
18 Connecticut	1.1%	1.3%	1,118	+44	384	+31	90	-72%	40	0.5%
19 Georgia	3.2%	2.9%	1,094	+127	75	+9	93	-91%	24	0.4%
20 Maryland	1.8%	2.0%	1,084	+217	196	+9	93	-67%	39	0.4%
21 Indiana	2.0%	1.8%	952	+337	161	+48	129	-87%	175	2.1%
22 Wisconsin	1.8%	1.6%	922	+36	108	+7	151	-92%	42	0.8%
23 Kentucky	1.3%	1.0%	796	+466	107	+52	95	-91%	29	0.7%
24 Puerto Rico	1.0%	0.5%	769	+682	230	+140	115	-35%	102	2.4%
25 Washington	2.3%	2.7%	756	+240	97	+13	139	-83%	77	1.1%
26 South Carolina	1.6%	1.1%	701	-633	152	-11	93	-89%	35	0.6%
27 Arizona	2.2%	1.7%	610	+40	84	+8	100	-95%	19	0.4%
28 Maine	0.4%	0.3%	571	+281	268	+68	88	-56%	16	0.6%

**States:**

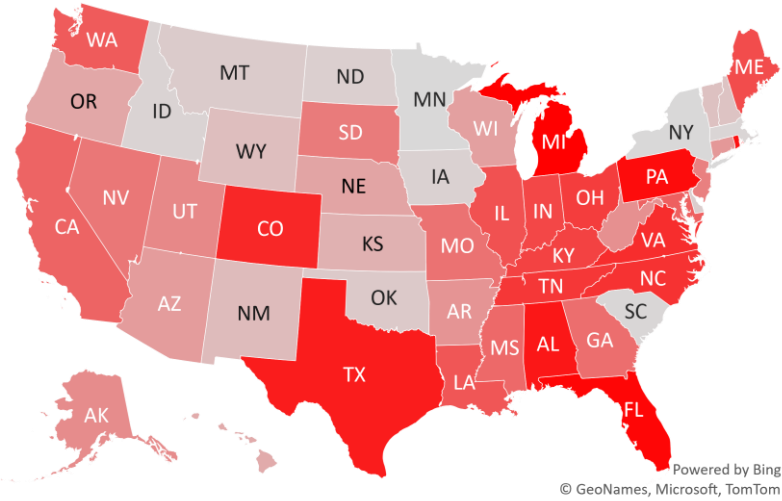
29 Oregon	1.3%	1.2%	548	+18	104	+11	128	-75%	20	0.5%
30 Louisiana	1.4%	1.3%	442	+244	103	-1	96	-91%	31	0.9%
31 Missouri	1.8%	1.5%	429	+120	49	+6	150	-94%	22	0.8%
32 Nevada	0.9%	0.8%	412	+117	114	+34	94	-88%	-31	(1.0%)
33 New Hampshire	0.4%	0.4%	376	-9	284	+24	99	-65%	29	0.9%
34 Utah	1.0%	0.9%	358	+58	92	+7	95	-93%	-6	(0.2%)
35 Nebraska	0.6%	0.6%	331	+32	116	-3	145	-92%	17	0.7%
36 West Virginia	0.5%	0.4%	328	+51	193	+25	100	-82%	-2	(0.1%)
37 Mississippi	0.9%	0.6%	317	+134	56	+17	94	-94%	0	0.0%
38 South Dakota	0.3%	0.3%	262	+99	169	+49	150	-92%	8	0.5%
39 Iowa	1.0%	0.9%	251	-71	83	-5	151	-93%	3	0.1%
40 North Dakota	0.2%	0.3%	231	-29	148	-26	150	-94%	-3	(0.3%)
41 Idaho	0.5%	0.4%	219	-127	141	-46	124	-88%	-117	(5.0%)
42 Delaware	0.3%	0.4%	210	-19	319	+69	94	-66%	12	0.5%
43 New Mexico	0.6%	0.5%	177	-1	127	+28	144	-92%	21	1.5%
44 Montana	0.3%	0.2%	173	-18	89	-4	149	-93%	18	1.6%
45 Alaska	0.2%	0.3%	134	+55	237	-19	129	-79%	16	1.3%
46 Arkansas	0.9%	0.6%	117	+46	27	+7	93	-97%	-4	(0.5%)
47 District of Columbia	0.2%	0.7%	113	-9	120	-23	93	-76%	14	1.8%
48 Oklahoma	1.2%	1.0%	109	-11	91	+7	93	-93%	-2	(0.1%)
49 Vermont	0.2%	0.2%	97	-9	226	-24	11	-35%	5	0.5%
50 Wyoming	0.2%	0.2%	82	-8	113	+14	145	-93%	-2	(0.4%)
51 Hawaii	0.4%	0.5%	63	+4	53	-5	227	-74%	4	0.6%
52 U.S. Virgin Islands	0.0%	0.0%	60	+60	187	+87	16	-57%	0	0.0%
53 Northern Mariana	0.0%	0.0%	0	+0	0	+0	168	-100%	0	0.0%
54 Kansas	0.9%	0.8%	0	+0	55	+15	139	-96%	-54	(3.6%)
55 Guam	0.0%	0.0%	0	+0	0	+0	154	-100%	0	0.0%
56 American Samoa	0.0%	0.0%	0	+0	0	+0	0	0%	0	0.0%

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

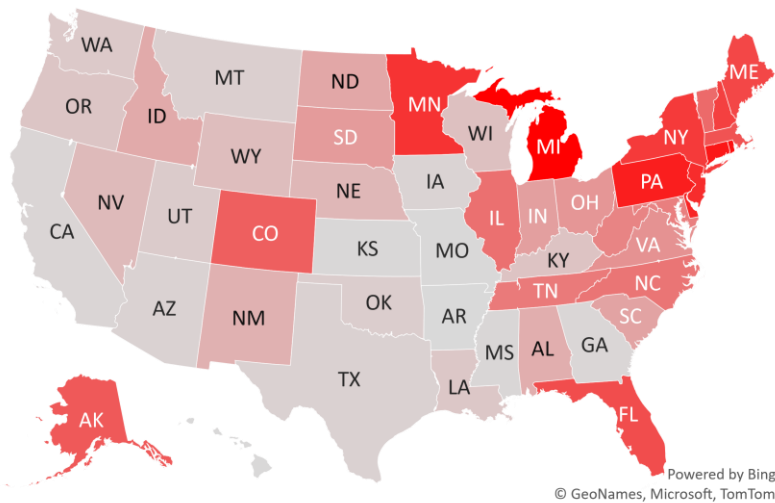
### Daily Case Increases



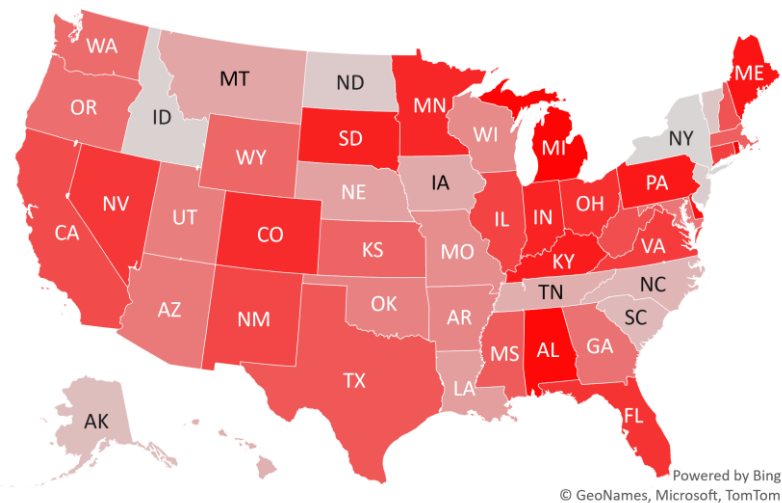
### 7D Delta in Daily New Cases



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



### 7D Delta in Daily Case Increases per 1mm Resident (3D Avg)



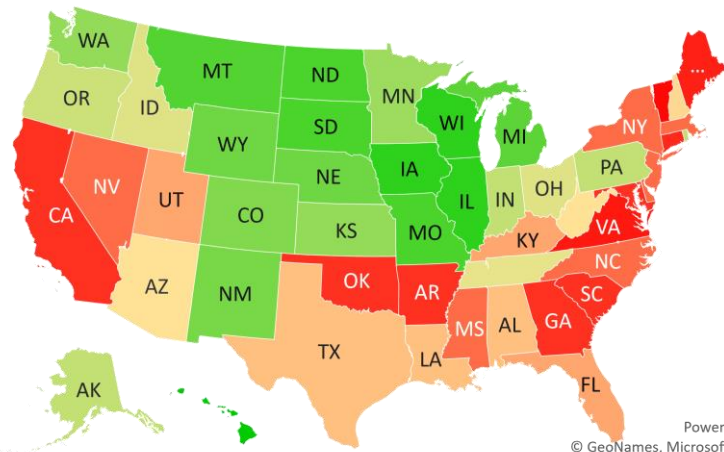
# #6: # of Days since Daily Case Peaked by States...

## # Days since Daily Cases (3D Avg) Peak (as of 4/13)

	Sorted			
	Peak Date	4/13/21	% off the Peak	% US Pop
United States	1/9/21	94	-78%	100%
<b>States:</b>				
Hawaii	8/29/20	227	-74%	0.4%
Northern Mariana Island	10/27/20	168	-100%	0.0%
Guam	11/10/20	154	-100%	0.0%
Wisconsin	11/13/20	151	-92%	1.8%
Illinois	11/13/20	151	-79%	3.8%
Iowa	11/13/20	151	-93%	1.0%
South Dakota	11/14/20	150	-92%	0.3%
North Dakota	11/14/20	150	-94%	0.2%
Missouri	11/14/20	150	-94%	1.8%
Montana	11/15/20	149	-93%	0.3%
Michigan	11/18/20	146	-29%	3.0%
Wyoming	11/19/20	145	-93%	0.2%
Nebraska	11/19/20	145	-92%	0.6%
New Mexico	11/20/20	144	-92%	0.6%
Colorado	11/21/20	143	-77%	1.7%
Washington	11/25/20	139	-83%	2.3%
Kansas	11/25/20	139	-96%	0.9%
Minnesota	11/30/20	134	-78%	1.7%
Rhode Island	12/5/20	129	-66%	0.3%
Pennsylvania	12/5/20	129	-64%	3.9%
Indiana	12/5/20	129	-87%	2.0%
Alaska	12/5/20	129	-79%	0.2%
Oregon	12/6/20	128	-75%	1.3%
Ohio	12/10/20	124	-82%	3.5%
Idaho	12/10/20	124	-88%	0.5%
Tennessee	12/18/20	116	-86%	2.1%
Puerto Rico	12/19/20	115	-35%	1.0%
West Virginia	1/3/21	100	-82%	0.5%

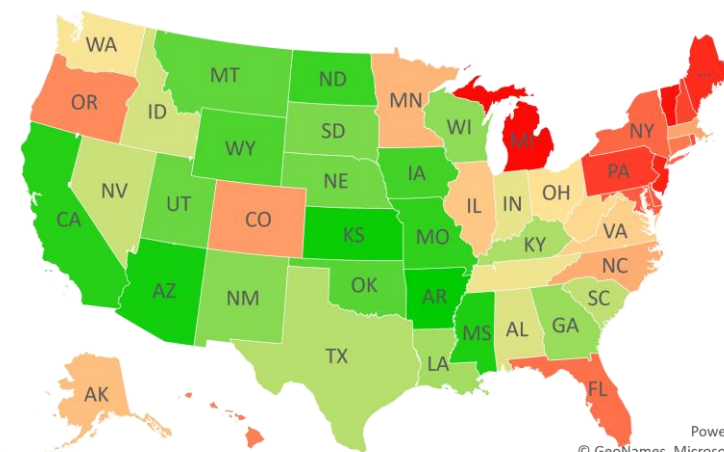
	Sorted			
	Peak Date	4/13/21	% off the Peak	% US Pop
United States	1/9/21	94	-78%	100%
<b>States:</b>				
Arizona	1/3/21	100	-95%	2.2%
New Hampshire	1/4/21	99	-65%	0.4%
Texas	1/7/21	96	-89%	8.7%
Louisiana	1/7/21	96	-91%	1.4%
Alabama	1/7/21	96	-87%	1.5%
Utah	1/8/21	95	-93%	1.0%
Kentucky	1/8/21	95	-91%	1.3%
Florida	1/8/21	95	-72%	6.5%
New York	1/9/21	94	-69%	5.9%
Nevada	1/9/21	94	-88%	0.9%
New Jersey	1/9/21	94	-55%	2.7%
North Carolina	1/9/21	94	-78%	3.2%
Mississippi	1/9/21	94	-94%	0.9%
Massachusetts	1/9/21	94	-78%	2.1%
Delaware	1/9/21	94	-66%	0.3%
South Carolina	1/10/21	93	-89%	1.6%
Oklahoma	1/10/21	93	-93%	1.2%
Maryland	1/10/21	93	-67%	1.8%
Georgia	1/10/21	93	-91%	3.2%
District of Columbia	1/10/21	93	-76%	0.2%
California	1/10/21	93	-94%	11.9%
Arkansas	1/10/21	93	-97%	0.9%
Connecticut	1/13/21	90	-72%	1.1%
Maine	1/15/21	88	-56%	0.4%
Virginia	1/18/21	85	-81%	2.6%
U.S. Virgin Islands	3/28/21	16	-57%	0.0%
Vermont	4/2/21	11	-35%	0.2%

## # Days since Daily Case Peak: **Longer = Good**



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## Daily Cases % off the Peak: **Larger Decline = Good**



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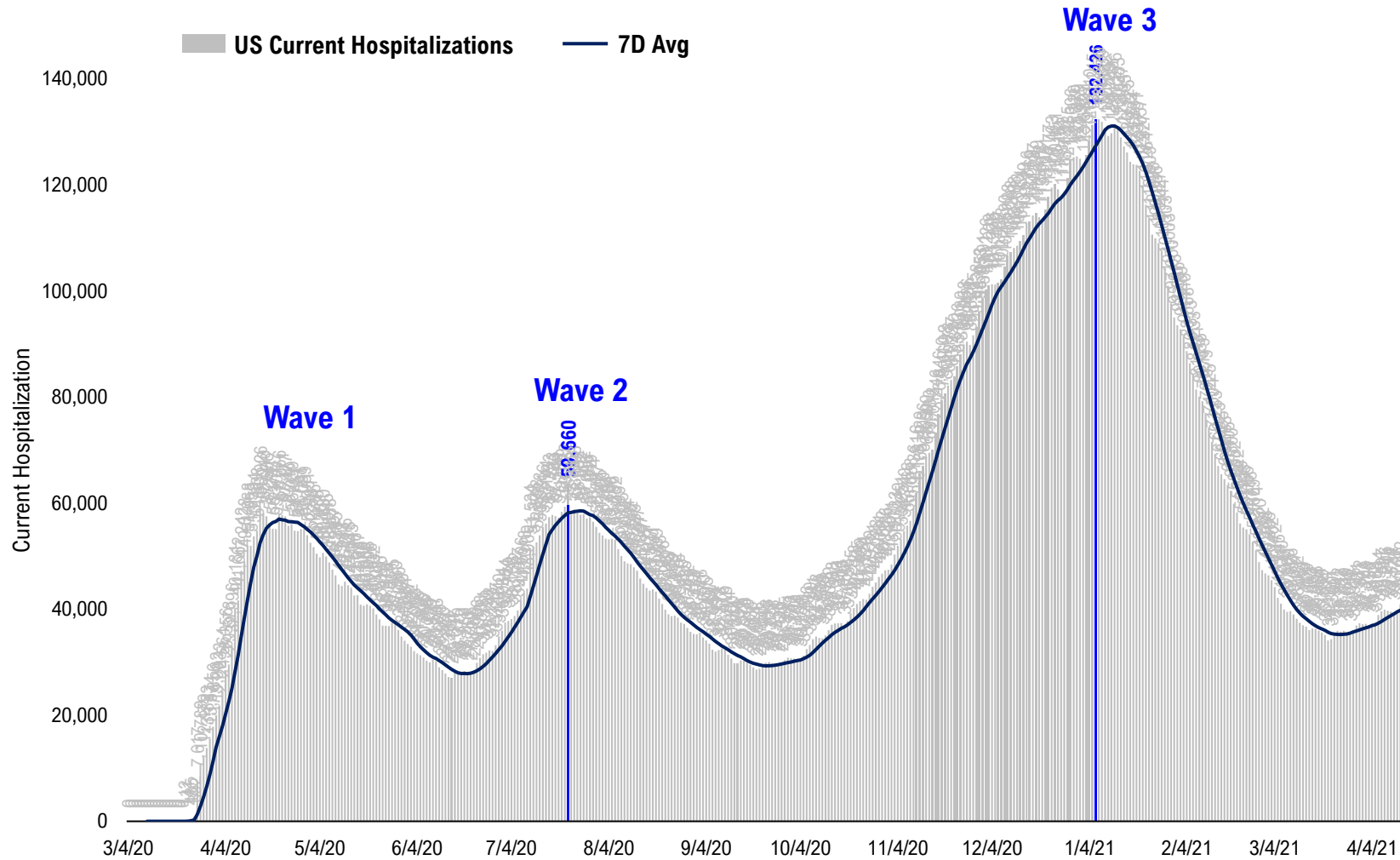
# #7: US New Cases by States... (sorted by today's new cases)

	Sorted						Sorted				
	7D Ago	Last 3-day Trend					7D Ago	Last 3-day Trend			
	4/6/21	4/11/21	4/12/21	4/13/21	vs 7D ago		4/6/21	4/11/21	4/12/21	4/13/21	vs 7D ago
United States	55,870	47,042	61,389	72,417	+16,547	United States	55,870	47,042	61,389	72,417	+16,547
<b>States:</b>						<b>States:</b>					
Florida	5,556	5,520	1,613	9,068	<--higher	Oregon	530	483	282	548	
Michigan	4,964	0	9,674	8,867	<--higher	Louisiana	198	0	999	442	<--higher
Pennsylvania	4,255	3,362	3,088	6,638	<--higher	Missouri	309	281	198	429	<--higher
New York	5,748	6,764	4,926	5,029		Nevada	295	320	319	412	<--higher
Texas	3,365	1,516	1,444	4,370		New Hampshire	385	408	375	376	
New Jersey	3,222	2,870	2,062	3,294		Utah	300	344	185	358	
Illinois	2,931	2,942	2,433	3,193		Nebraska	299	197	144	331	
Ohio	1,871	1,855	1,934	2,340	<--higher	West Virginia	277	415	293	328	
Virginia	1,434	1,227	1,310	2,048	<--higher	Mississippi	183	117	70	317	<--higher
Colorado	1,266	1,235	912	1,904	<--higher	South Dakota	163	0	187	262	<--higher
Rhode Island	376	0	0	1,677	<--higher	Iowa	322	358	179	251	
Massachusetts	1,803	1,991	1,532	1,598		North Dakota	260	44	63	231	
California	1,367	4,954	2,649	1,568		Idaho	346	221	317	219	
Tennessee	986	0	2,829	1,457	<--higher	Delaware	229	367	355	210	
Alabama	196	311	172	1,432	<--higher	New Mexico	178	0	619	177	
North Carolina	870	0	5,655	1,364	<--higher	Montana	191	41	70	173	
Minnesota	3,012	1,776	1,993	1,358		Alaska	79	0	386	134	<--higher
Connecticut	1,074	0	2,985	1,118		Arkansas	71	72	57	117	<--higher
Georgia	967	725	583	1,094		District of Columbia	122	68	73	113	
Maryland	867	1,483	985	1,084	<--higher	Oklahoma	120	0	968	109	
Indiana	615	1,159	1,131	952	<--higher	Vermont	106	237	89	97	
Wisconsin	886	569	402	922		Wyoming	90	0	115	82	
Kentucky	330	365	267	796	<--higher	Hawaii	59	92	70	63	
Puerto Rico	87	680	756	769	<--higher	U.S. Virgin Islands	0	0	0	60	
Washington	516	0	1,451	756	<--higher	Northern Mariana Islands	0	0	0	0	
South Carolina	1,334	918	736	701		Kansas	0	0	483	0	
Arizona	570	540	675	610		Guam	0	0	0	0	
Maine	290	215	296	571	<--higher	American Samoa	0	0	0	0	



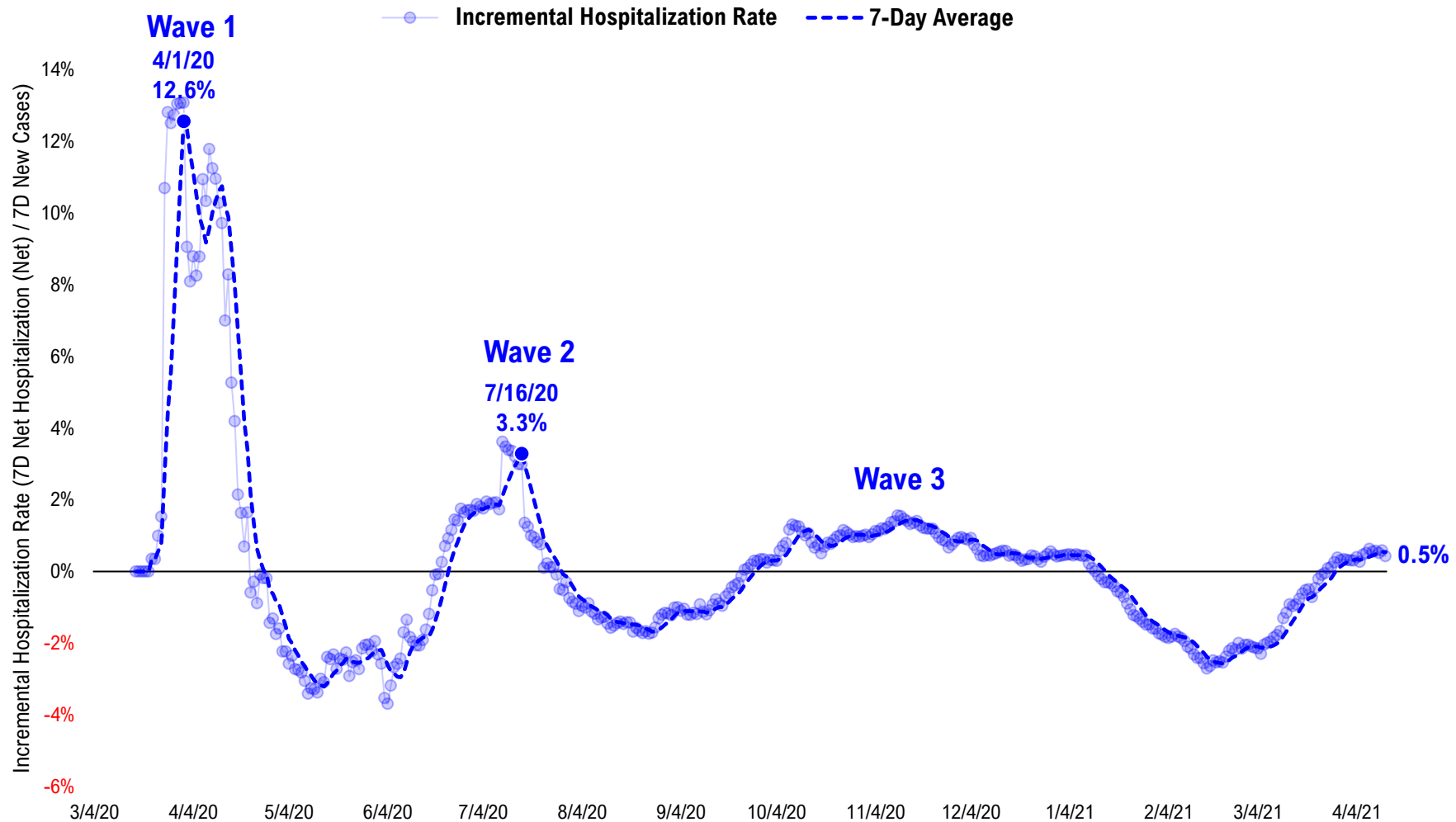
# #8: US Daily Hospitalizations...

### US Net Hospitalizations (aggregate of 50 states + Washington, D.C.)



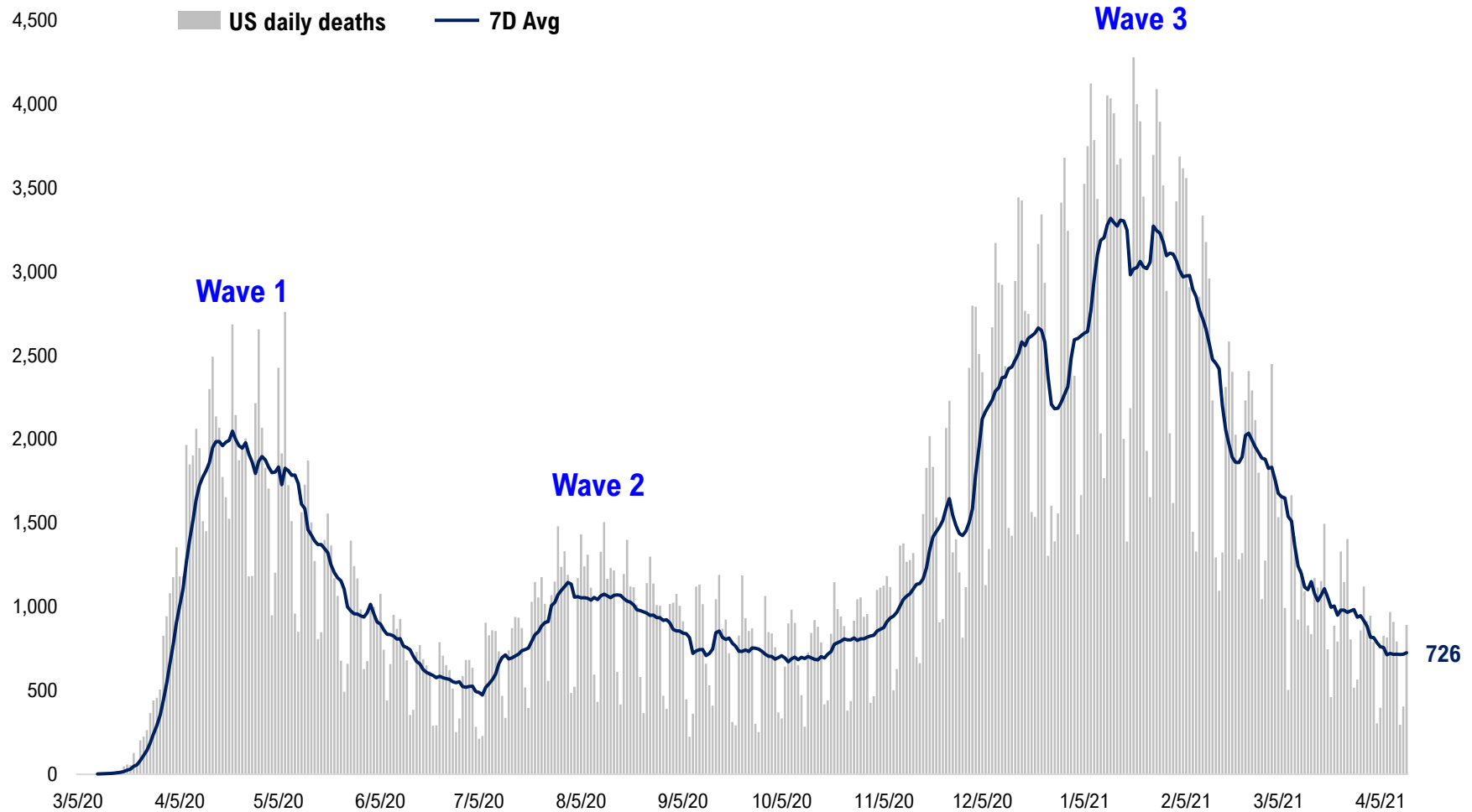
# #9: Incremental Hospitalization Rate...

Incremental Hospitalization Rate: 7D Net Hospitalizations / 7D Total New Cases  
(aggregate of 50 states + Washington, D.C.)

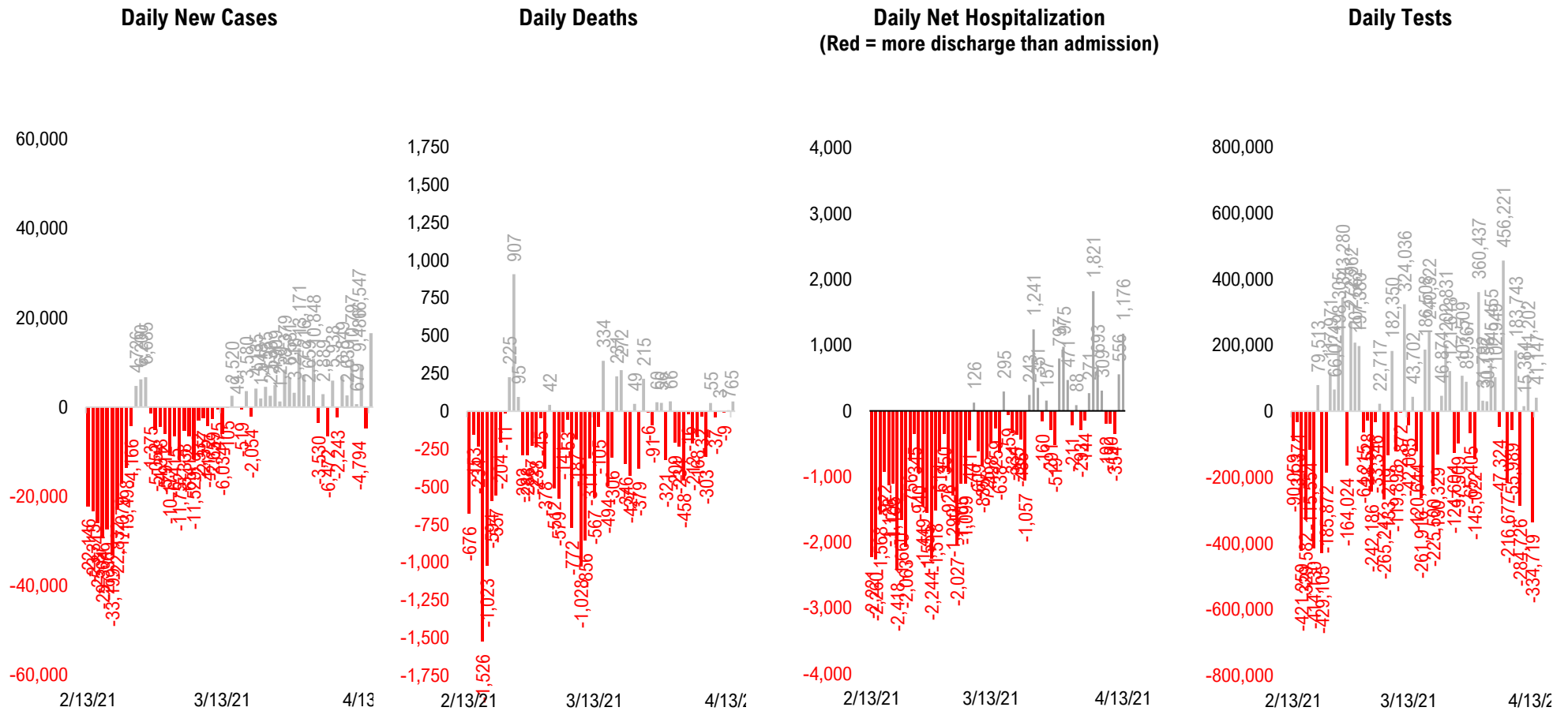


# #10: US Daily New Fatalities...

## US daily COVID-19 Fatalities

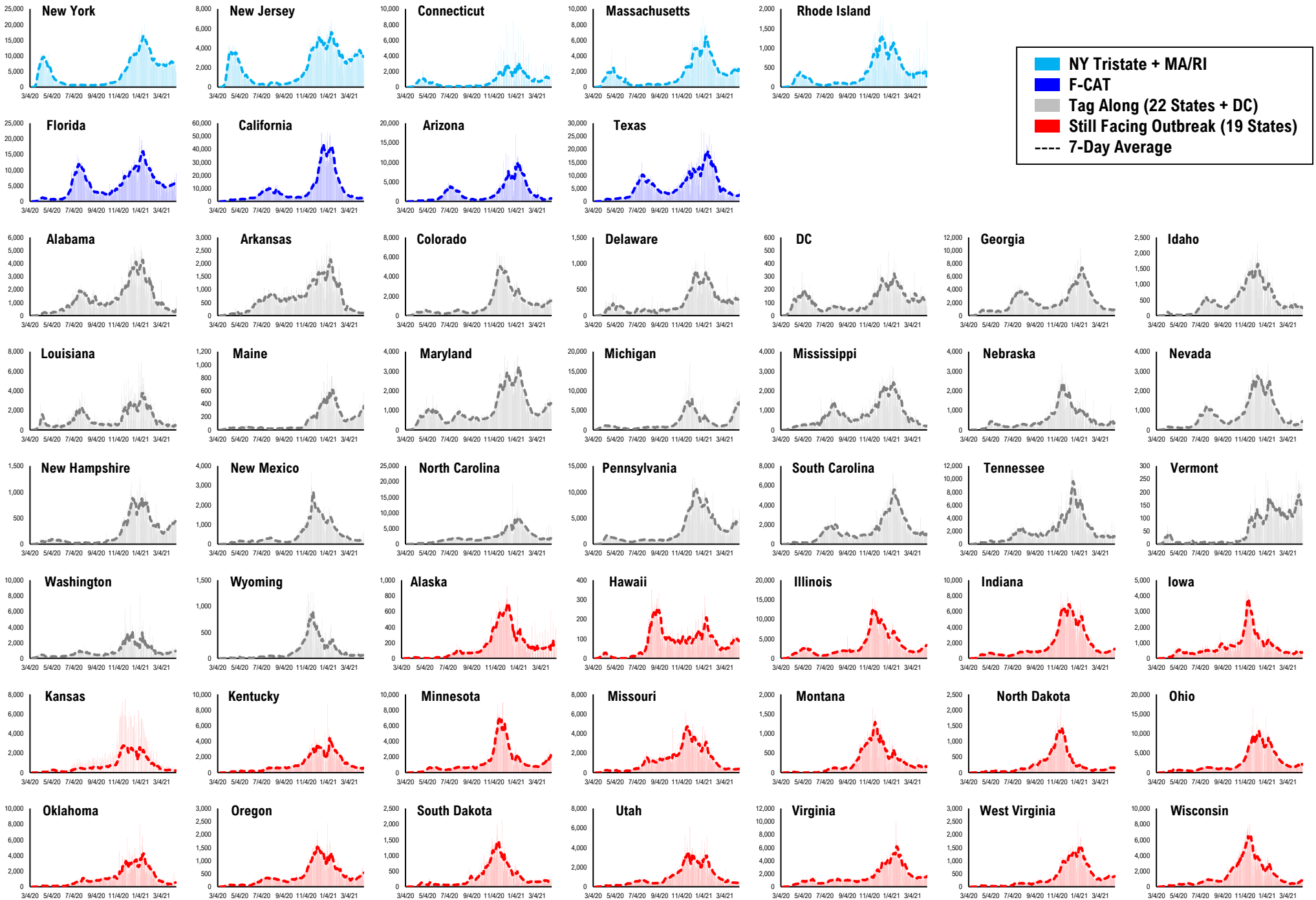


# #11: Rolling 7-Day Change in the Key Metrics... (Past 8 Weeks)

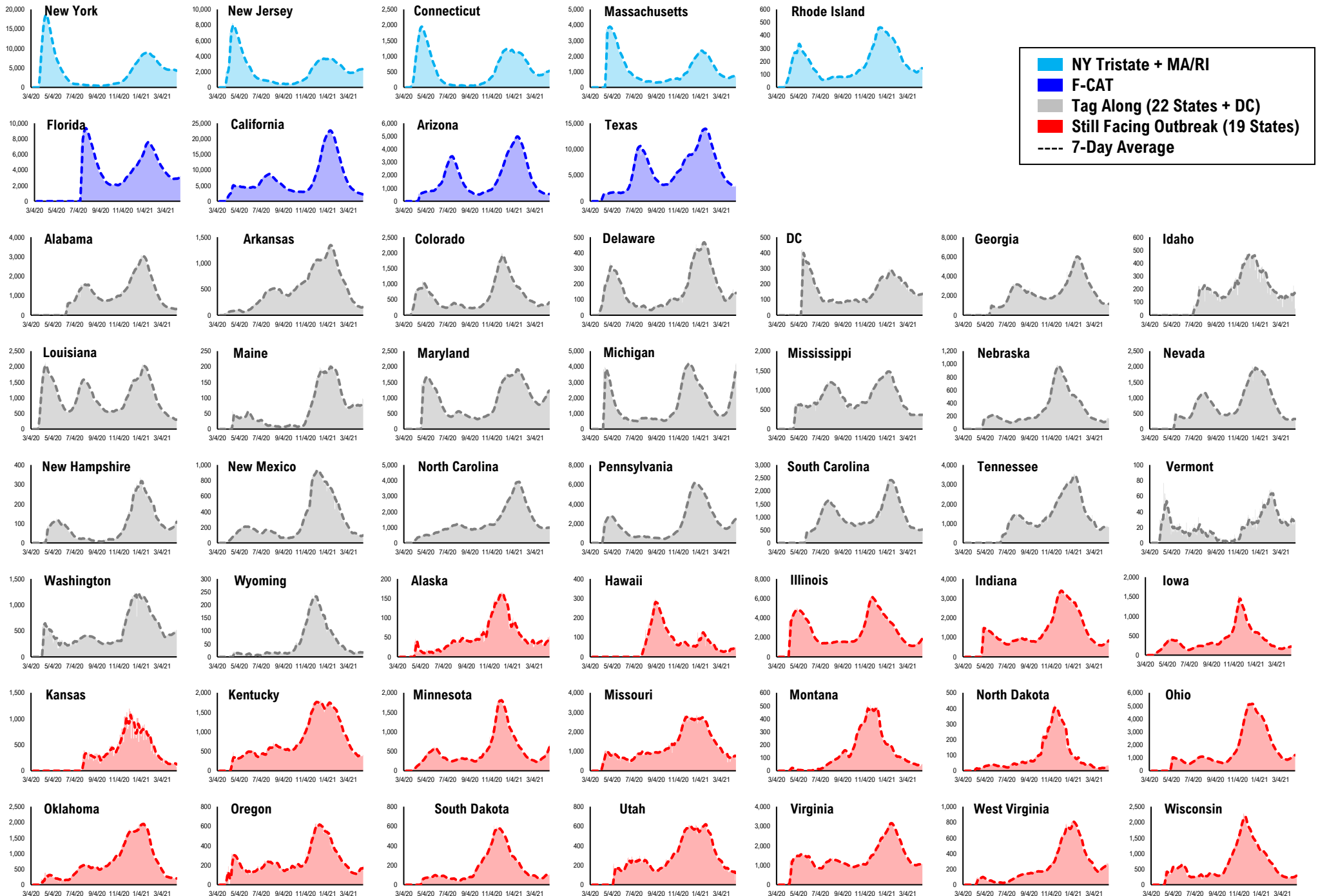


\* Ignored California between 8/10 and 8/23, due to its data glitch caused 300,000-case backlog  
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

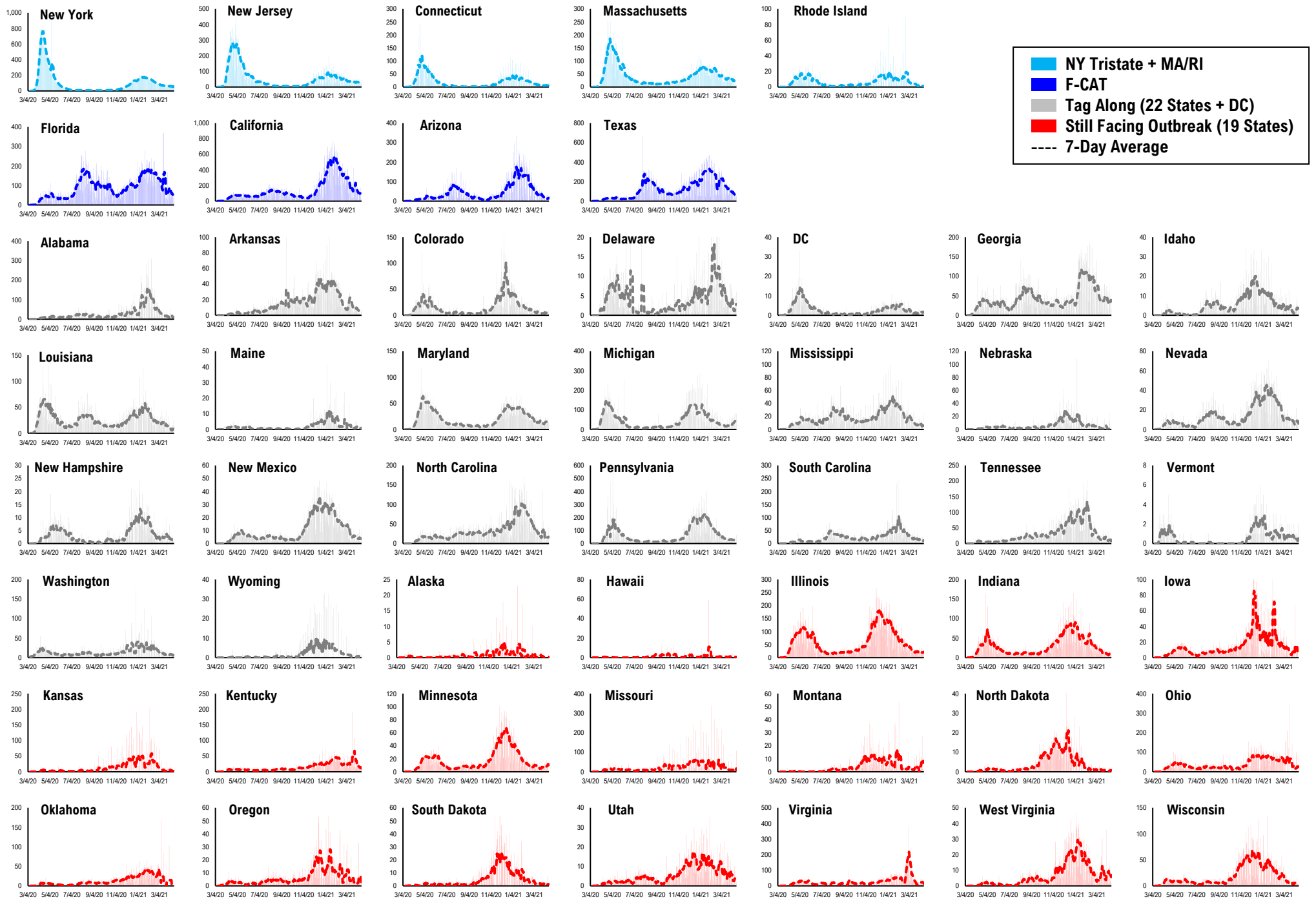
# #12: Daily New Cases by States...



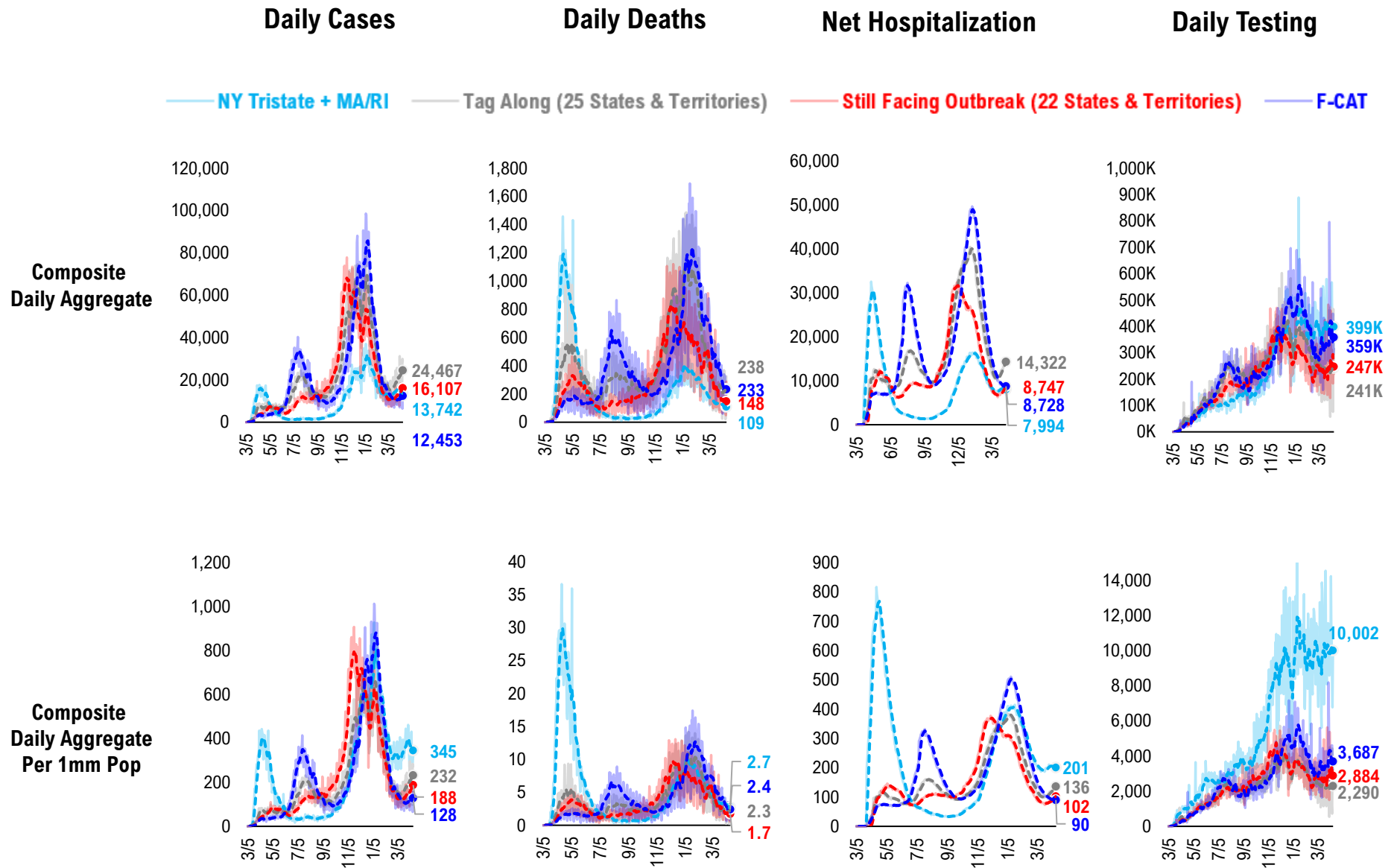
# #13: Current Hospitalizations by States...



# #14: Daily New Deaths by States...



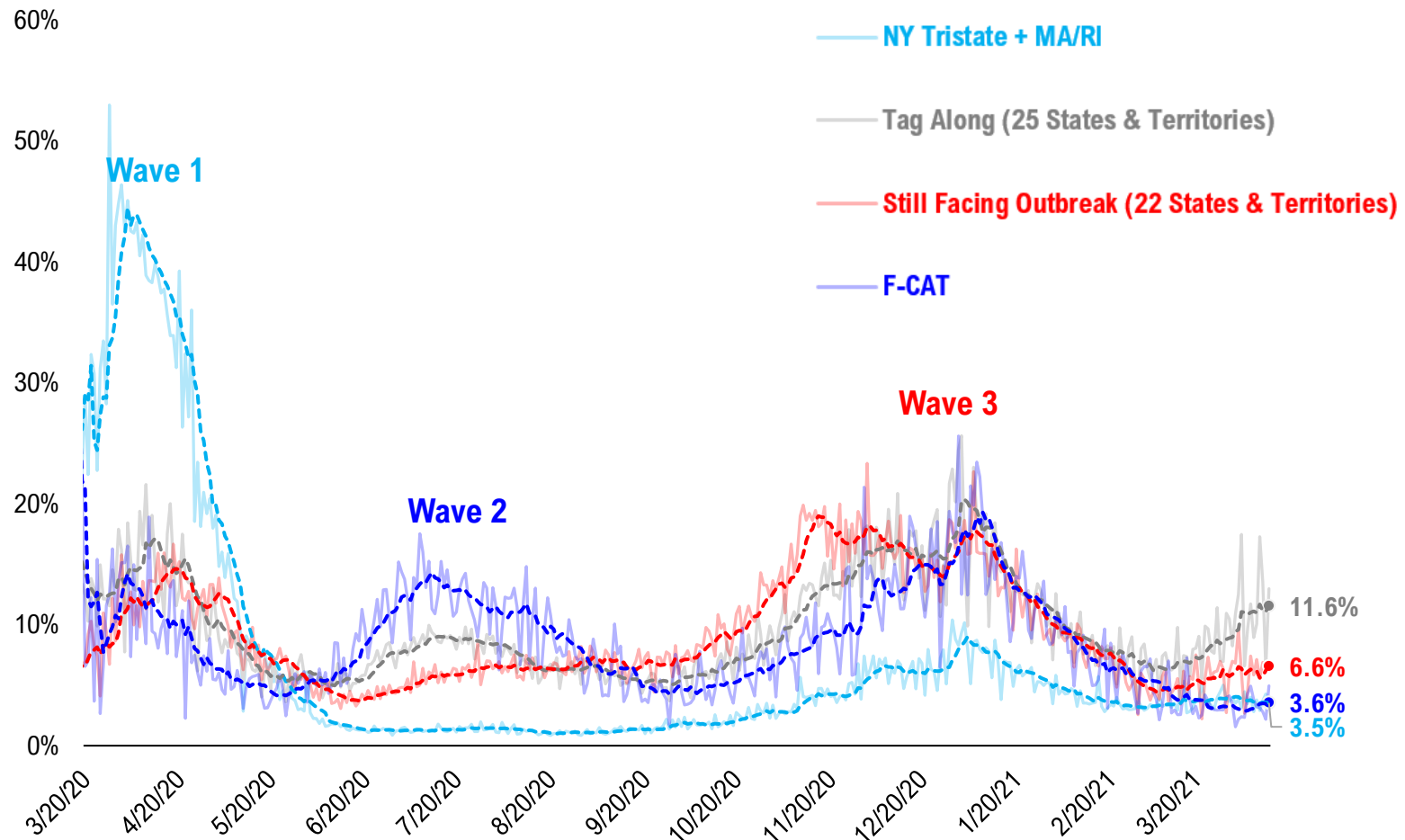
# #15: State COVID-19 situation by Tier...



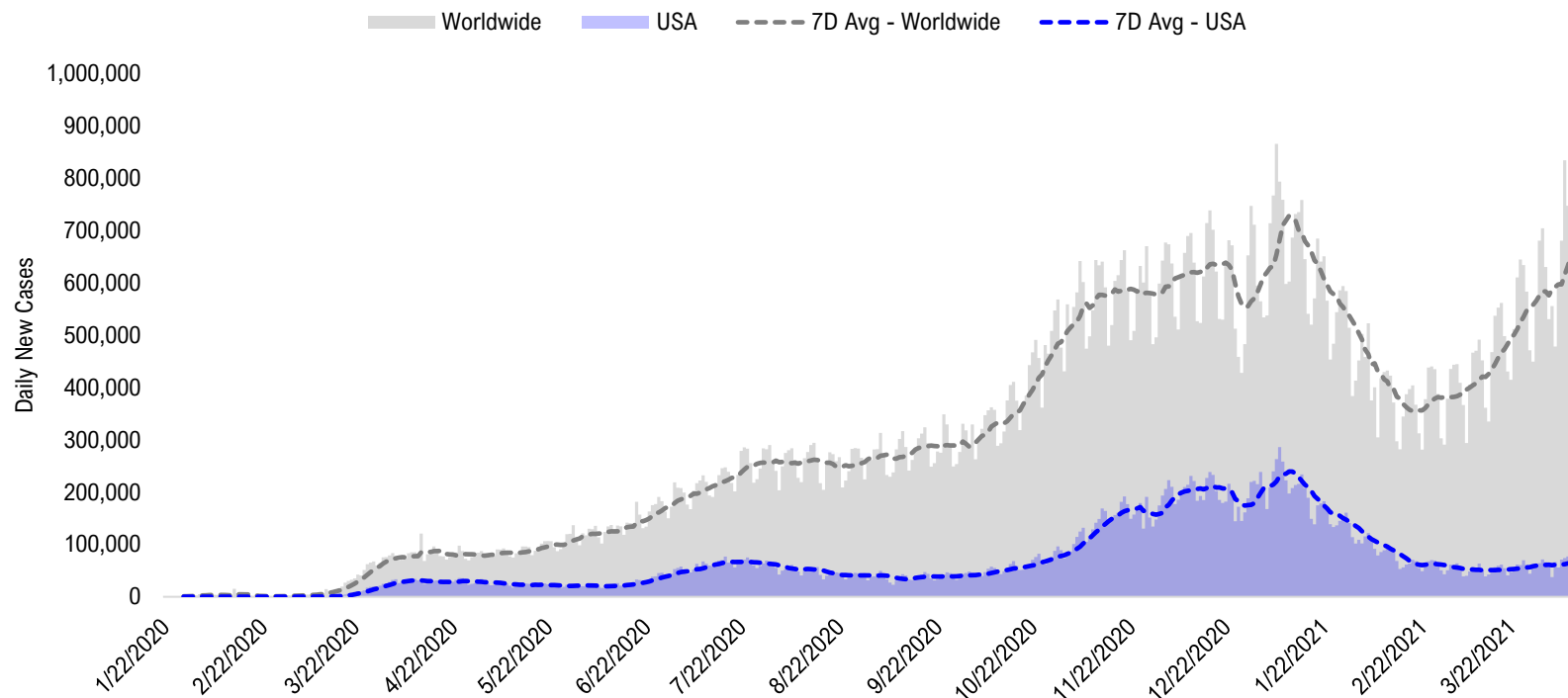


# #16: State COVID-19 Daily Positivity Rate by Tier...

## Composite Daily Positivity Rate



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



Nov 27	Dec 11	Dec 25	Jan 8	Jan 22	Feb 5	Feb 19	Mar 5	Mar 19	Apr 2	Apr 12
Europe 241,638	Europe 240,597	Europe 235,134	Europe 253,225	Europe 215,947	Europe 171,879	Europe 136,398	Europe 159,160	Europe 203,932	Europe 246,319	Europe 235,813
US + Canada 169,379	US + Canada 210,059	US + Canada 192,649	US + Canada 239,474	US + Canada 180,145	US + Canada 118,696	Latin America 81,995	Latin America 92,112	Latin America 112,156	Latin America 123,113	Pakistan + India + Bangladesh 154,951
Latin America 65,408	Latin America 77,815	Latin America 83,594	Latin America 95,501	Latin America 116,888	Latin America 95,150	US + Canada 68,407	US + Canada 58,634	US + Canada 54,412	Pakistan + India + Bangladesh 78,982	Latin America 141,830
Pakistan + India + Bangladesh 48,091	Pakistan + India + Bangladesh 36,327	Pakistan + India + Bangladesh 26,900	Africa 28,432	Asia ex- India+Pakistan 26,862	Asia ex- India+Pakistan 24,436	Asia ex- India+Pakistan 17,226	Pakistan + India + Bangladesh 17,965	Pakistan + India + Bangladesh 36,253	US + Canada 65,960	US + Canada 73,170
Asia ex- India+Pakistan 15,707	Asia ex- India+Pakistan 16,852	Africa 22,109	Pakistan + India + Bangladesh 21,150	Africa 25,790	Africa 15,433	Pakistan + India + Bangladesh 13,652	Asia ex- India+Pakistan 13,960	Asia ex- India+Pakistan 16,169	Asia ex- India+Pakistan 22,160	Asia ex- India+Pakistan 25,679
Africa 13,326	Africa 15,657	Asia ex- India+Pakistan 18,034	Asia ex- India+Pakistan 20,638	Pakistan + India + Bangladesh 16,471	Pakistan + India + Bangladesh 13,449	Africa 11,086	Africa 9,369	Africa 10,204	Africa 12,282	Africa 11,450

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