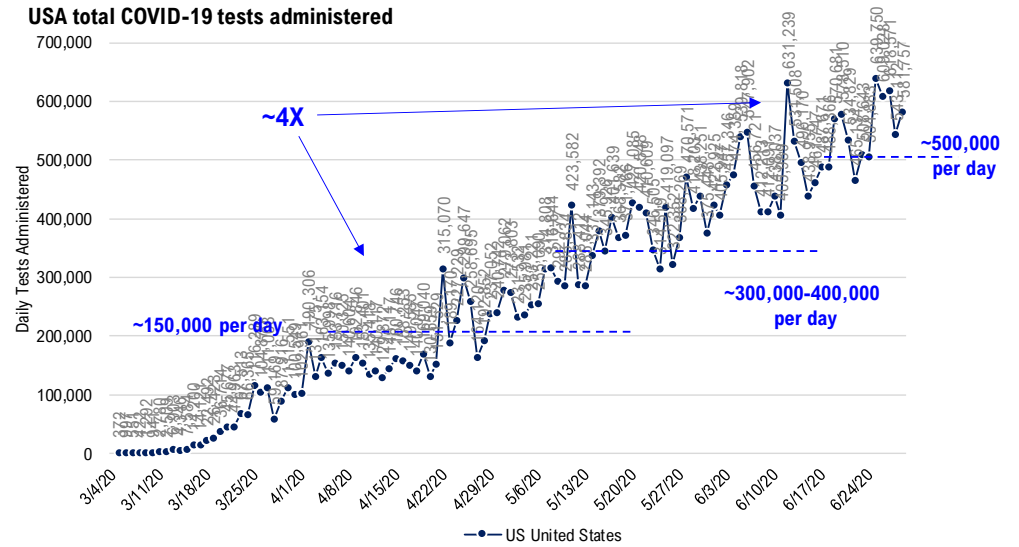
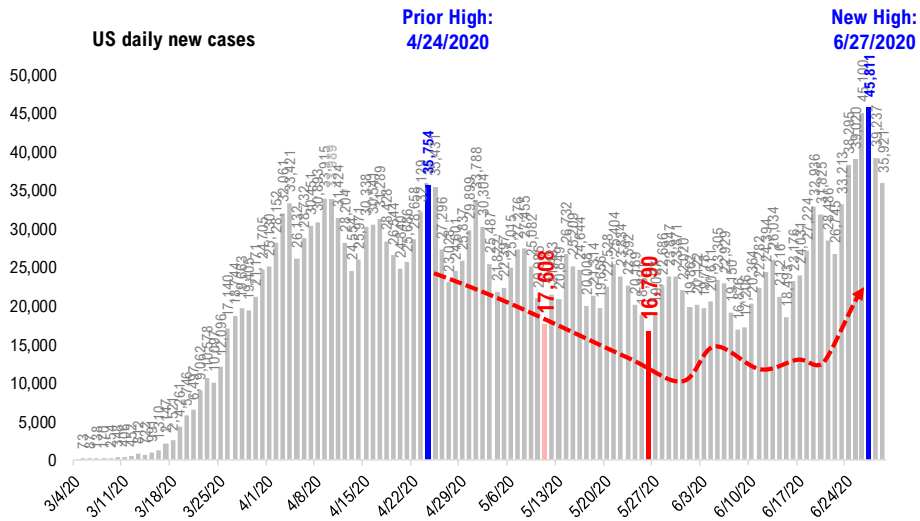


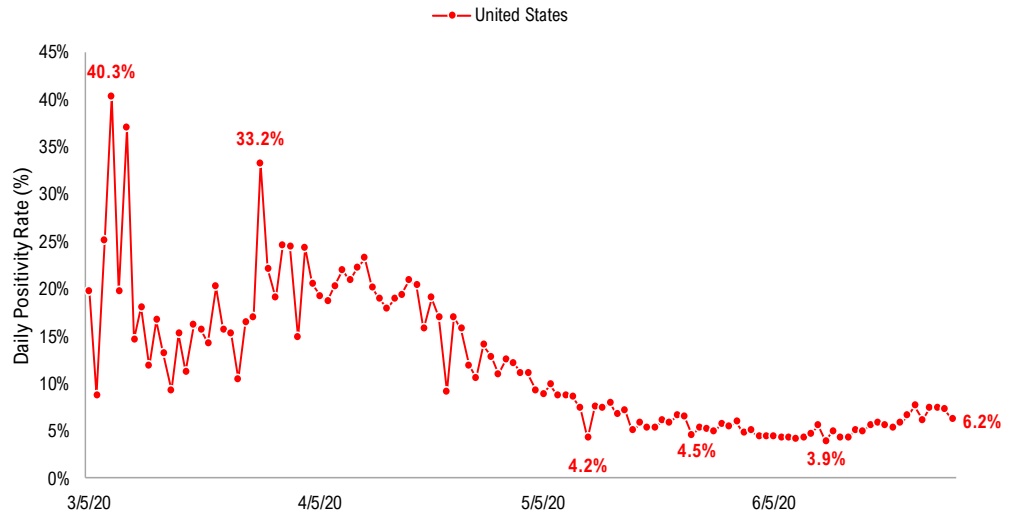
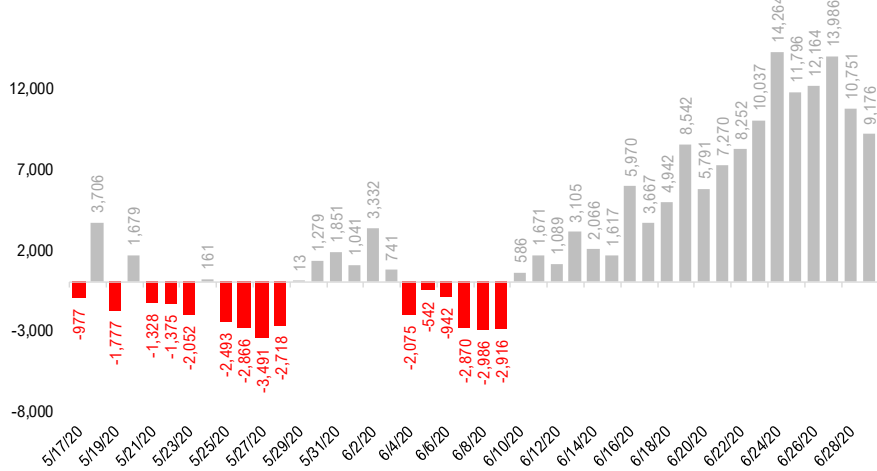
FS Insight Daily COVID-19 Chartbook



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



US daily new cases rolling 7D delta - past 6 weeks



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

Sorted
Last 3-day trend growth rates

| | 6/27/20 | 6/28/20 | 6/29/20 | |
|------------------|---------|---------|---------|-----------|
| United States | 45,811 | 39,237 | 35,921 | -3,316 |
| States: | | | | |
| 1 California | 5,972 | 4,810 | 5,307 | |
| 2 Florida | 9,585 | 8,530 | 5,266 | |
| 3 Texas | 5,747 | 5,357 | 4,283 | |
| 4 Georgia | 1,990 | 2,225 | 2,207 | |
| 5 Tennessee | 728 | 0 | 2,125 | <--higher |
| 6 Alabama | 900 | 358 | 1,734 | <--higher |
| 7 North Carolina | 1,719 | 1,605 | 1,342 | |
| 8 South Carolina | 1,604 | 1,381 | 1,324 | |
| 9 Kansas | 0 | 0 | 905 | |
| 10 Louisiana | 1,467 | 0 | 845 | |
| 11 Illinois | 786 | 646 | 738 | |
| 12 Ohio | 817 | 854 | 737 | |
| 13 Nevada | 1,099 | 821 | 734 | |
| 14 Mississippi | 465 | 361 | 675 | <--higher |
| 15 Arizona | 3,503 | 3,857 | 625 | |
| 16 Utah | 578 | 472 | 564 | |
| 17 Pennsylvania | 621 | 505 | 492 | |
| 18 Maryland | 335 | 327 | 477 | <--higher |
| 19 Missouri | 347 | 314 | 468 | <--higher |
| 20 Virginia | 677 | 489 | 453 | |
| 21 Arkansas | 570 | 508 | 439 | |
| 22 New York | 703 | 616 | 391 | |
| 23 Washington | 488 | 549 | 348 | |
| 24 Wisconsin | 539 | 457 | 315 | |
| 25 Minnesota | 417 | 516 | 312 | |
| 26 Indiana | 435 | 355 | 298 | |
| 27 Iowa | 326 | 477 | 293 | |
| 28 Michigan | 314 | 252 | 236 | |

Sorted
Last 3-day trend growth rates

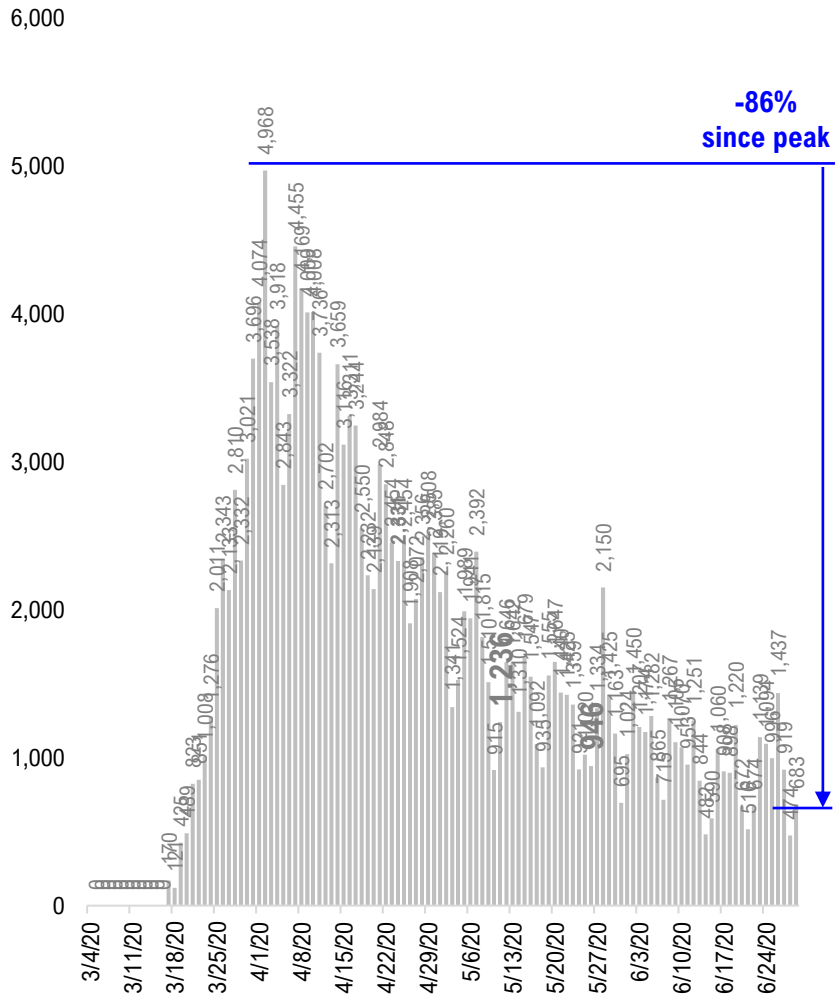
| | 6/27/20 | 6/28/20 | 6/29/20 | |
|-----------------------------|---------|---------|---------|-----------|
| United States | 45,811 | 39,237 | 35,921 | -3,316 |
| States: | | | | |
| 29 Oklahoma | 299 | 302 | 228 | |
| 30 Idaho | 171 | 224 | 209 | |
| 31 Colorado | 226 | 285 | 204 | |
| 32 New Mexico | 211 | 190 | 173 | |
| 33 Delaware | 74 | 135 | 150 | |
| 34 Oregon | 276 | 247 | 144 | |
| 35 Nebraska | 251 | 124 | 143 | |
| 36 Kentucky | 308 | 65 | 115 | |
| 37 Massachusetts | 373 | 224 | 101 | |
| 38 New Jersey | 289 | 309 | 90 | |
| 39 Connecticut | 147 | 97 | 59 | |
| 40 Montana | 23 | 11 | 56 | <--higher |
| 41 West Virginia | 49 | 56 | 53 | |
| 42 North Dakota | 37 | 37 | 44 | |
| 43 District of Columbia | 31 | 32 | 44 | <--higher |
| 44 South Dakota | 91 | 55 | 35 | |
| 45 Wyoming | 24 | 25 | 33 | <--higher |
| 46 Maine | 52 | 37 | 28 | |
| 47 Alaska | 18 | 29 | 21 | |
| 48 Rhode Island | 56 | 31 | 16 | |
| 49 Puerto Rico | 19 | 22 | 14 | |
| 50 New Hampshire | 46 | 30 | 13 | |
| 51 Guam | 0 | 0 | 7 | |
| 52 Vermont | 2 | 2 | 6 | <--higher |
| 53 Hawaii | 6 | 26 | 2 | |
| 54 U.S. Virgin Islands | 0 | 0 | 0 | |
| 55 Northern Mariana Islands | 0 | 0 | 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)

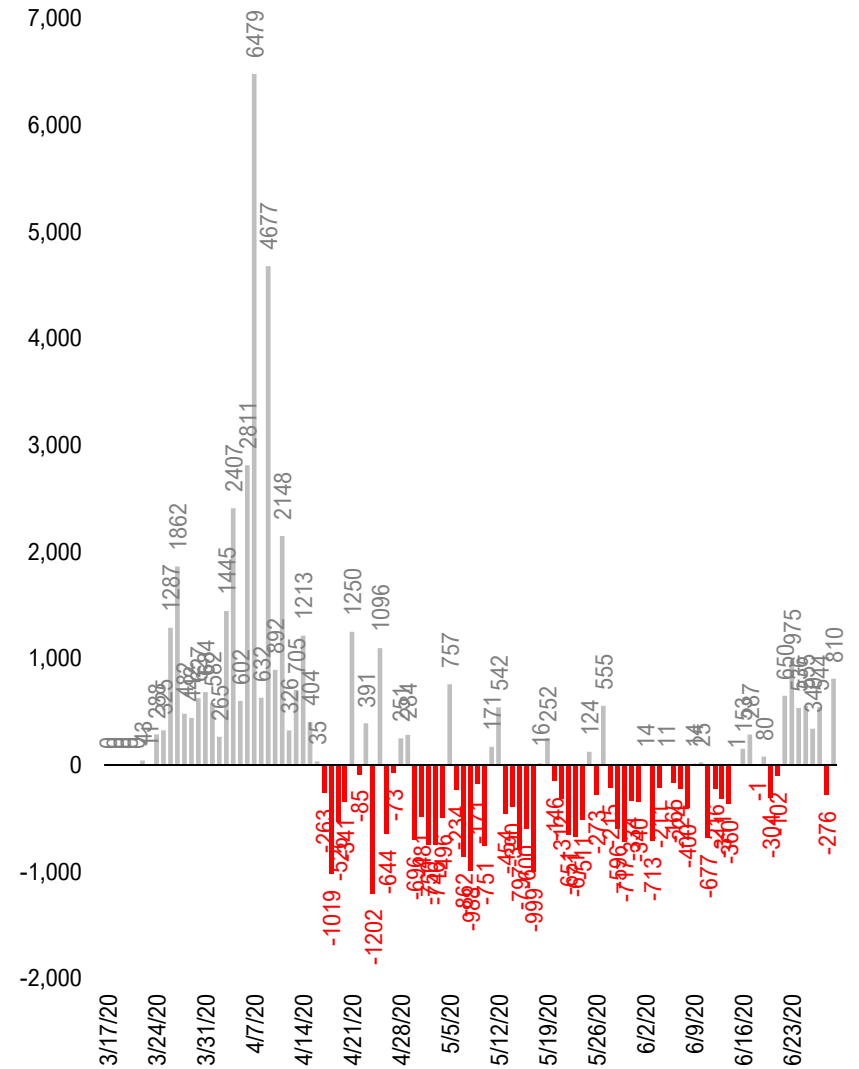
US Gross Hospitalizations

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



US Net Hospitalizations

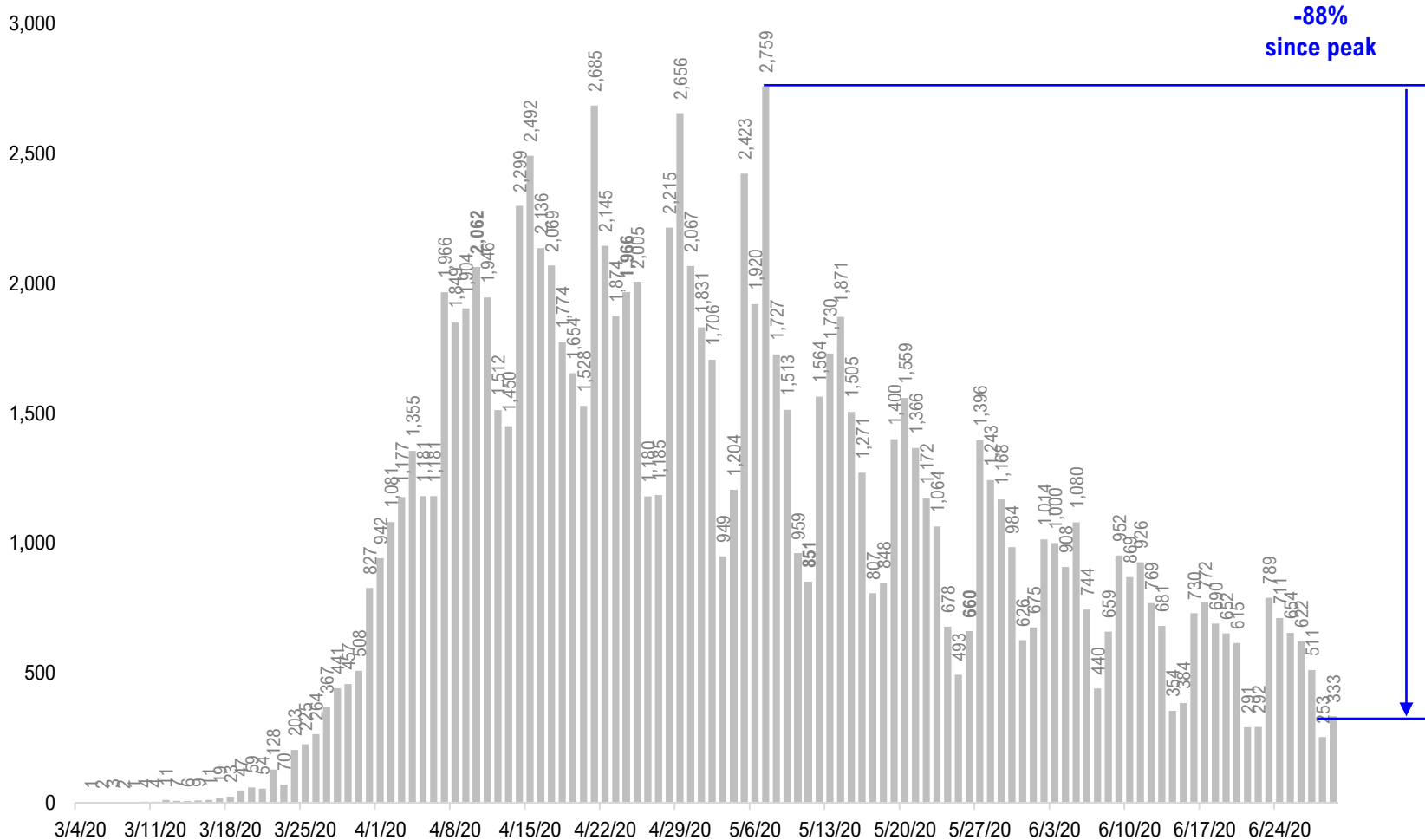
(Composite of 18 states that report "net/current hospitalizations")



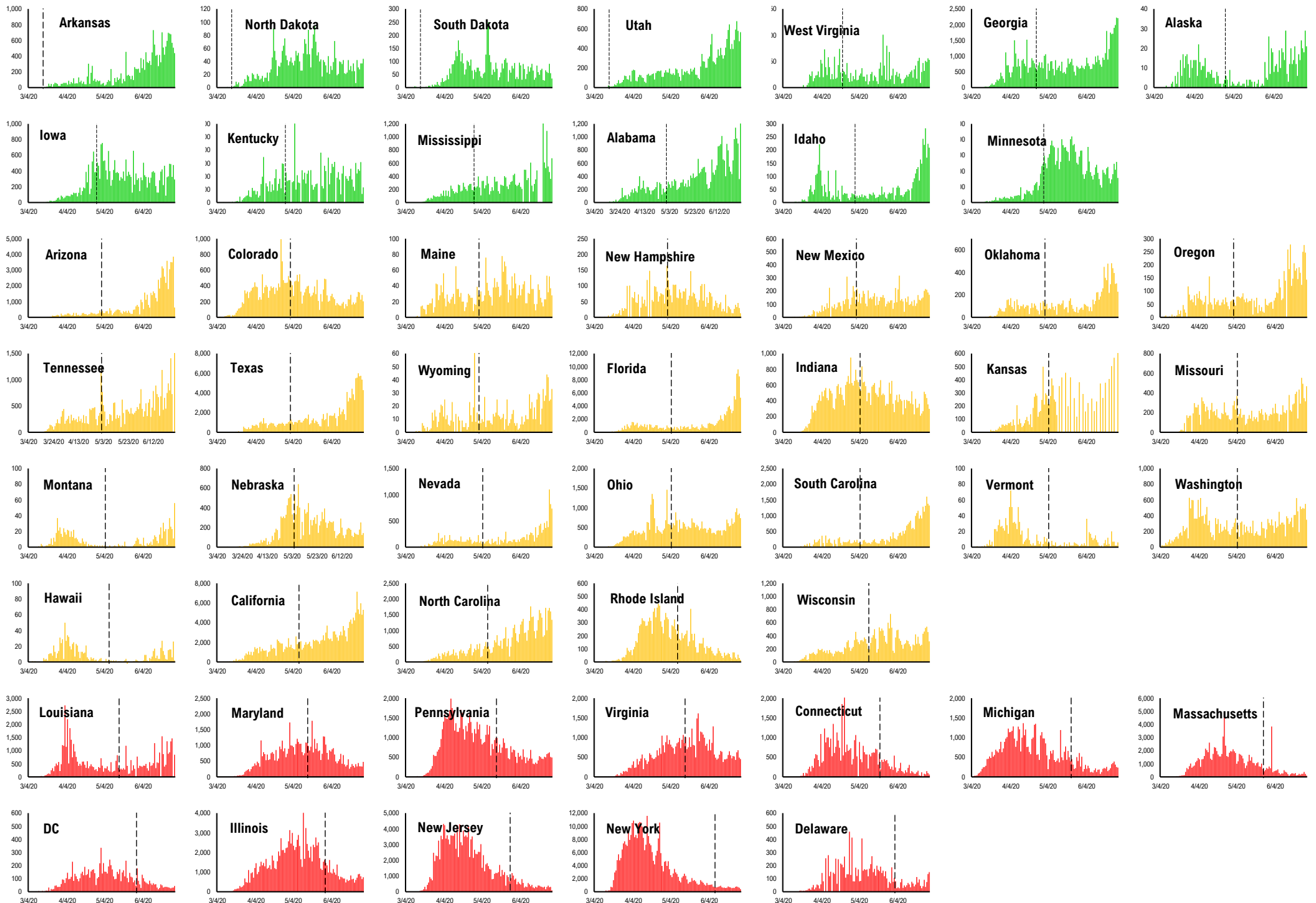
Source: Fundstrat, COVID-19 Tracking Project, State Department of Health

#4: US Daily New Fatalities...

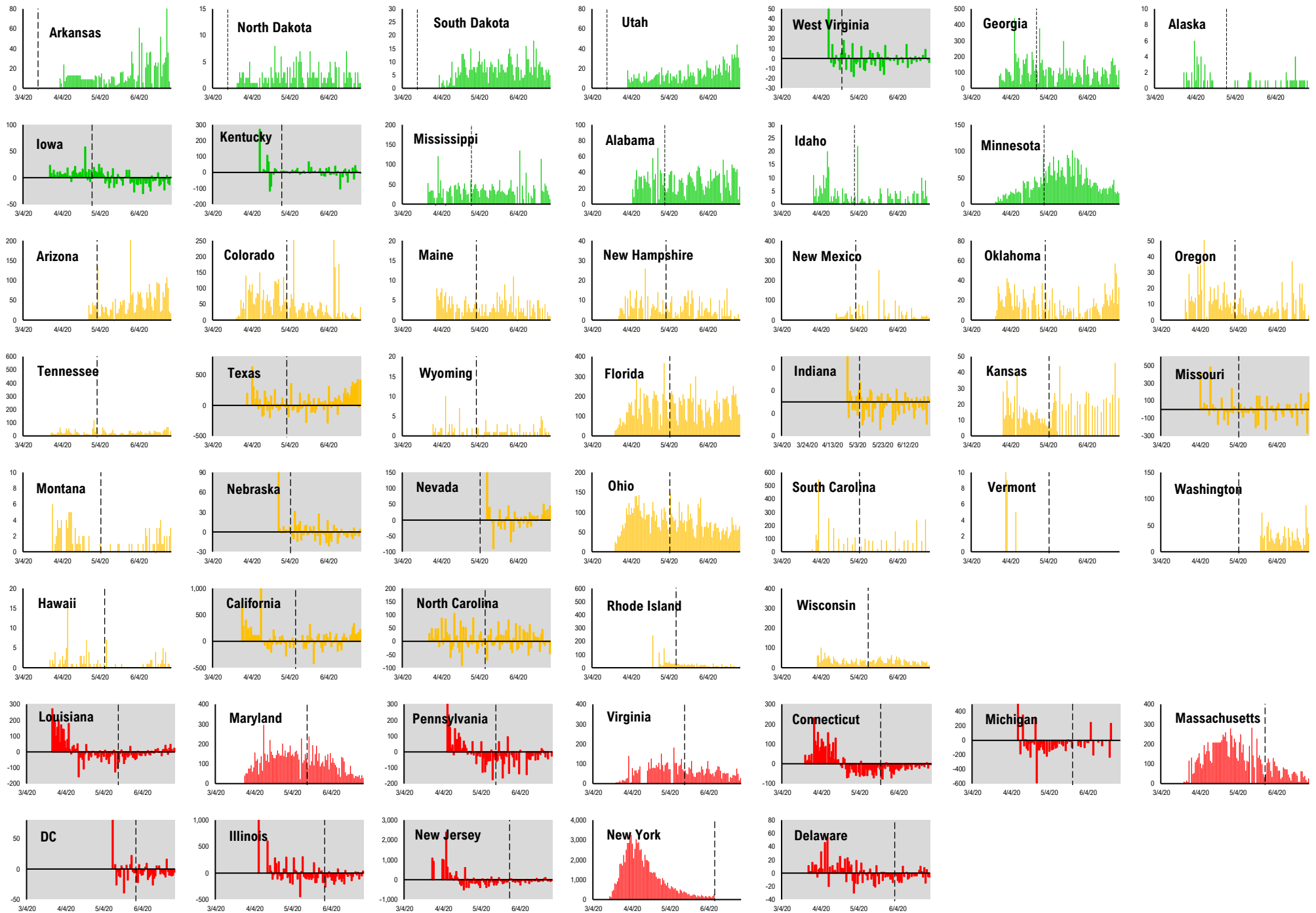
US daily COVID-19 Fatalities



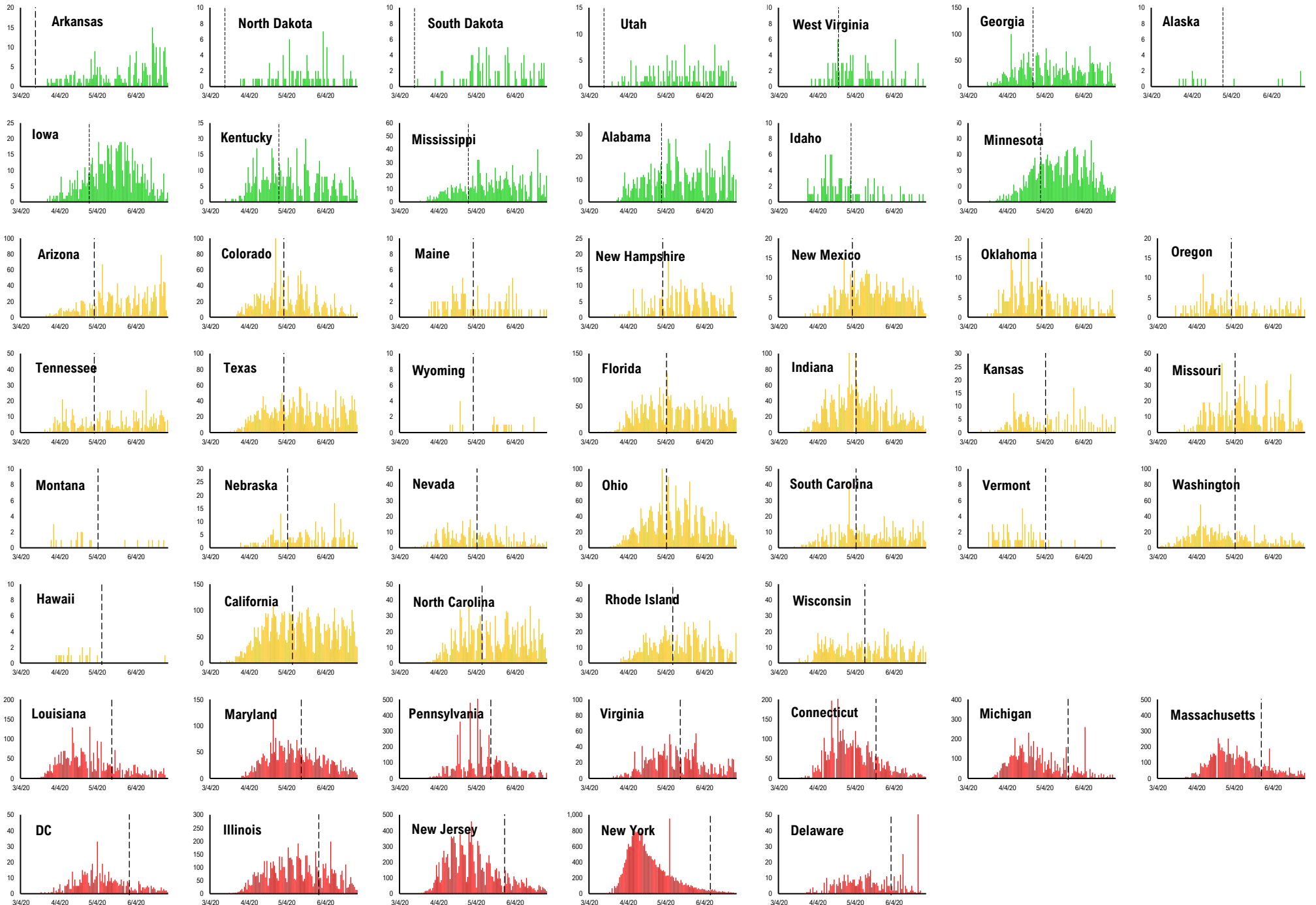
#5: Daily New Cases by States... (sorted by "open" date)



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



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



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

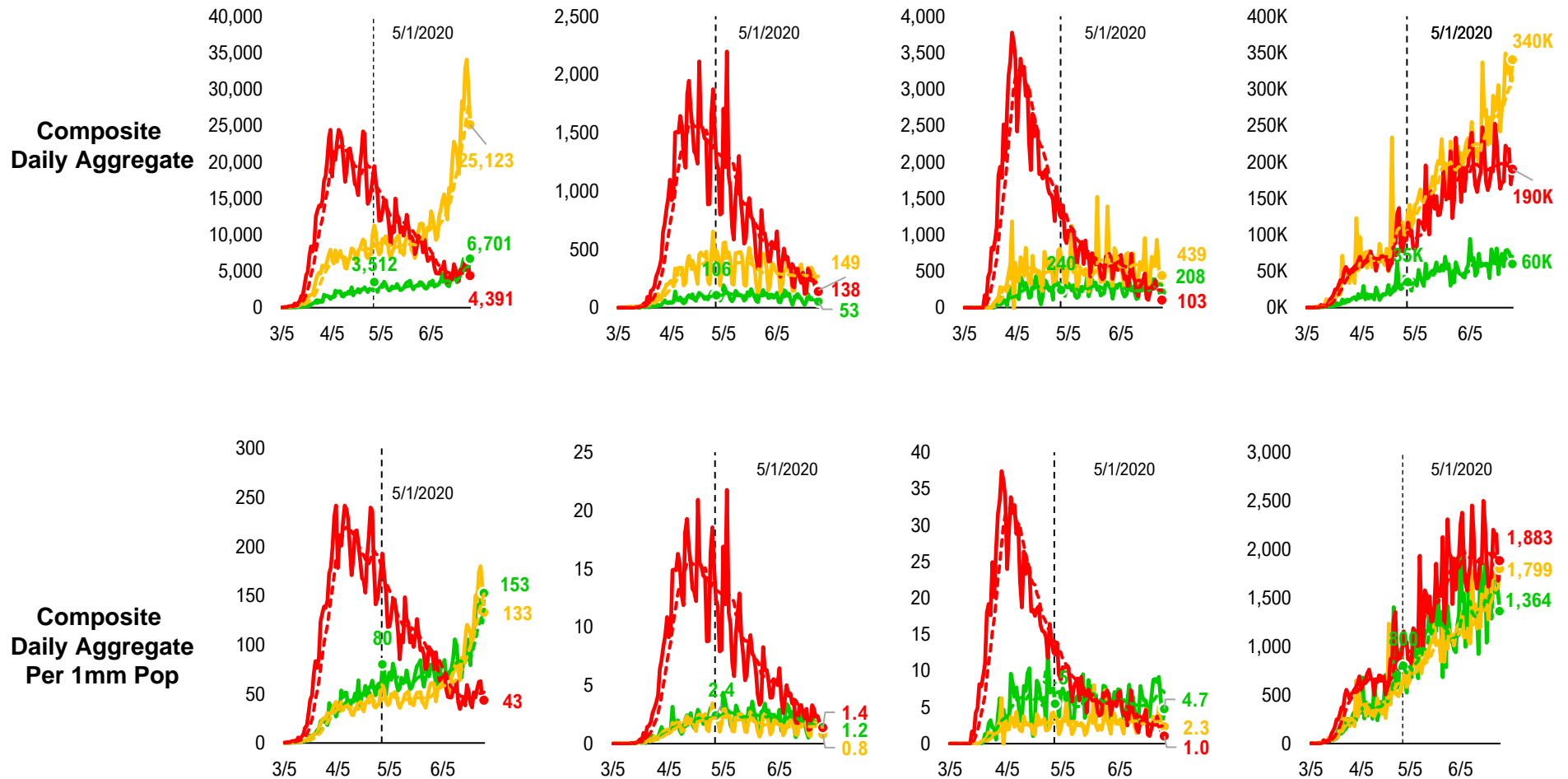
Daily Cases

Daily Deaths

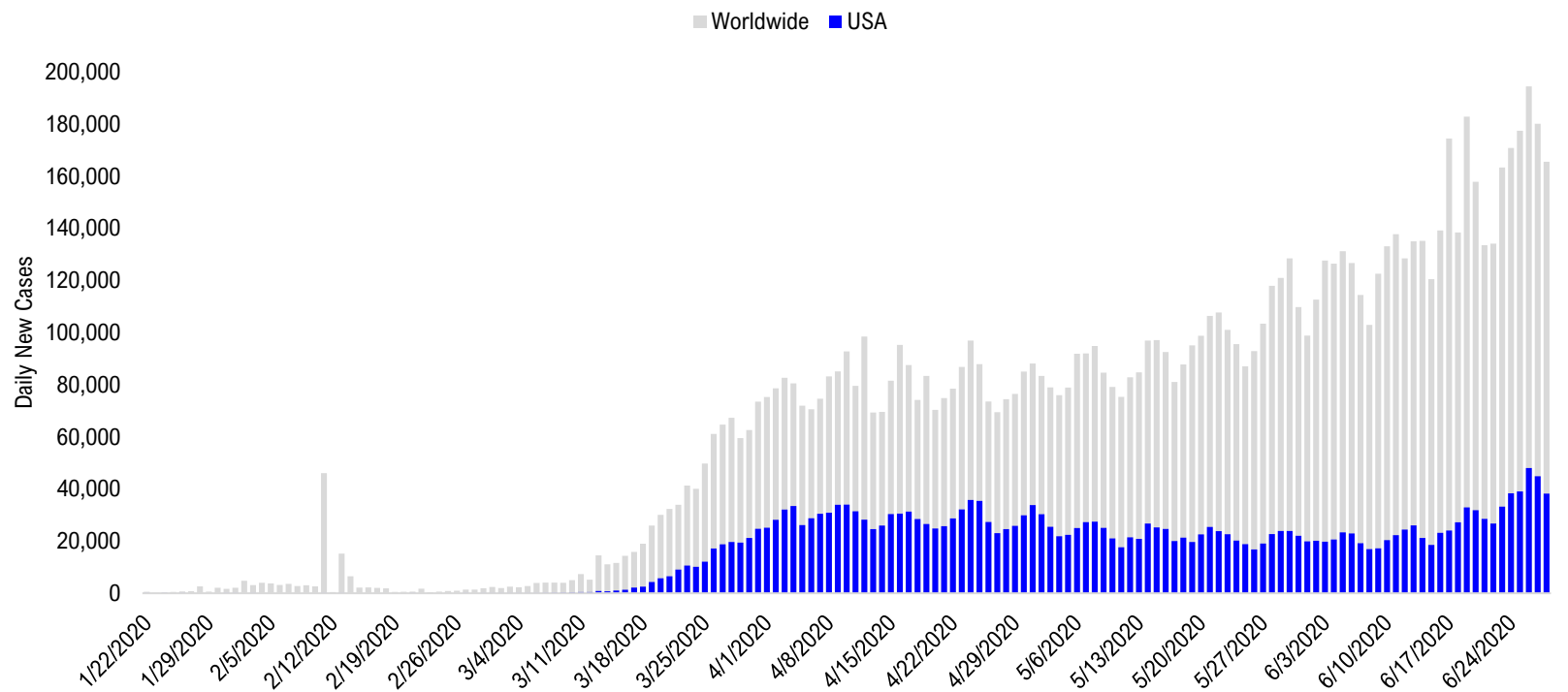
Daily Hospitalization

Daily Testing

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



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



| 2/14/2020 | 2/28/2020 | 3/13/2020 | 3/27/2020 | 4/10/2020 | 4/24/2020 | 5/8/2020 | 5/22/2020 | 6/5/2020 | 6/19/2020 | 6/28/2020 |
|------------------------------------|------------------------------------|-------------------------------------|--------------------------------------|--|--|--|--|---|---|---|
| Asia ex-India+Pakistan 7,335 | Asia ex-India+Pakistan 871 | Europe 6,651 | Europe 34,817 | Europe 39,999 | US + Canada 34,019 | Europe 29,331 | Latin America 33,875 | Latin America 50,345 | Latin America 69,606 | Latin America 64,202 |
| Africa 0 | Europe 238 | US + Canada 595 | US + Canada 16,624 | US + Canada 34,328 | Europe 30,283 | US + Canada 28,068 | US + Canada 25,073 | US + Canada 21,894 | US + Canada 28,473 | US + Canada 43,953 |
| US + Canada 0 | US + Canada 1 | Asia ex-India+Pakistan 310 | Latin America 1,416 | Latin America 5,790 | Latin America 11,820 | Latin America 18,868 | Europe 19,053 | Europe 18,774 | Pakistan + India + Bangladesh 22,981 | Pakistan + India + Bangladesh 26,622 |
| Europe 0 | Latin America 1 | Latin America 93 | Asia ex-India+Pakistan 965 | Asia ex-India+Pakistan 1,591 | Pakistan + India + Bangladesh 2,801 | Pakistan + India + Bangladesh 5,721 | Pakistan + India + Bangladesh 9,981 | Pakistan + India + Bangladesh 16,820 | Europe 18,858 | Europe 16,519 |
| Latin America 0 | Pakistan + India + Bangladesh 1 | Africa 24 | Africa 545 | Pakistan + India + Bangladesh 1,098 | Asia ex-India+Pakistan 2,529 | Africa 2,945 | Africa 4,166 | Africa 6,467 | Africa 8,930 | Africa 11,448 |
| Pakistan + India + Bangladesh 0 | Africa 0 | Pakistan + India + Bangladesh 13 | Pakistan + India + Bangladesh 264 | Africa 760 | Africa 1,520 | Asia ex-India+Pakistan 1,918 | Asia ex-India+Pakistan 2,241 | Asia ex-India+Pakistan 2,565 | Asia ex-India+Pakistan 3,314 | Asia ex-India+Pakistan 4,123 |

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