

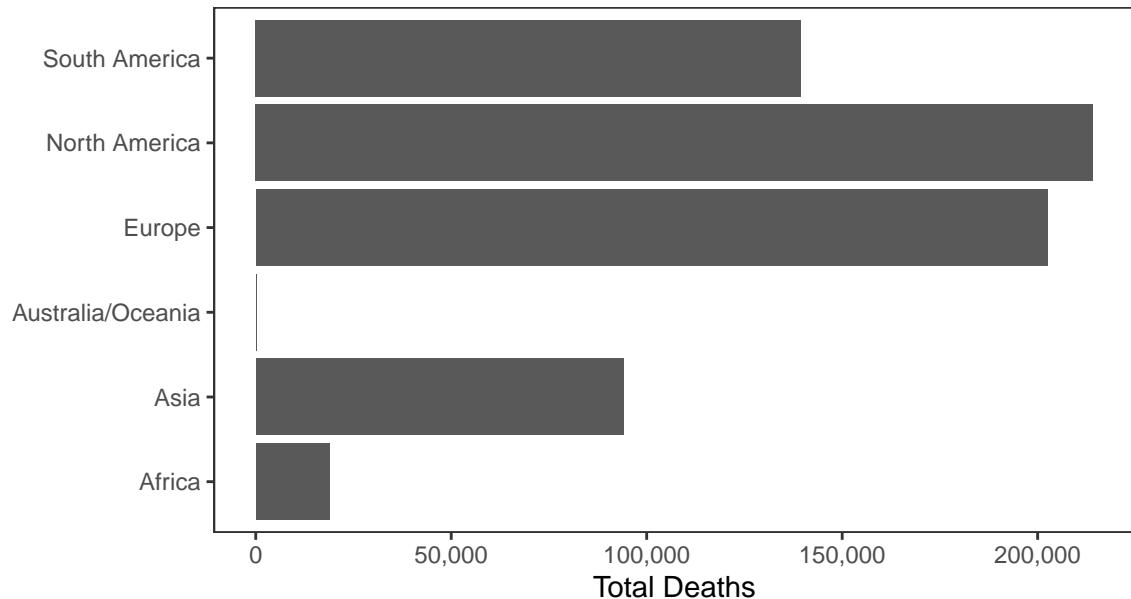
Erik's Covid-19 Chart Pack

Data updated 2020-07-29 21:47:08. World data are from Worldometers. National and state-level mortality, case, and testing data are from Johns-Hopkins University. County and city-level mortality and case data are from the New York Times. Most data presented in this report were accessed through APIs provided by The COVID Tracking Project and NovelCOVID API.

World Data

There have been 17,171,292 confirmed Covid-19 cases and 669,362 deaths worldwide.

Deaths



Cases

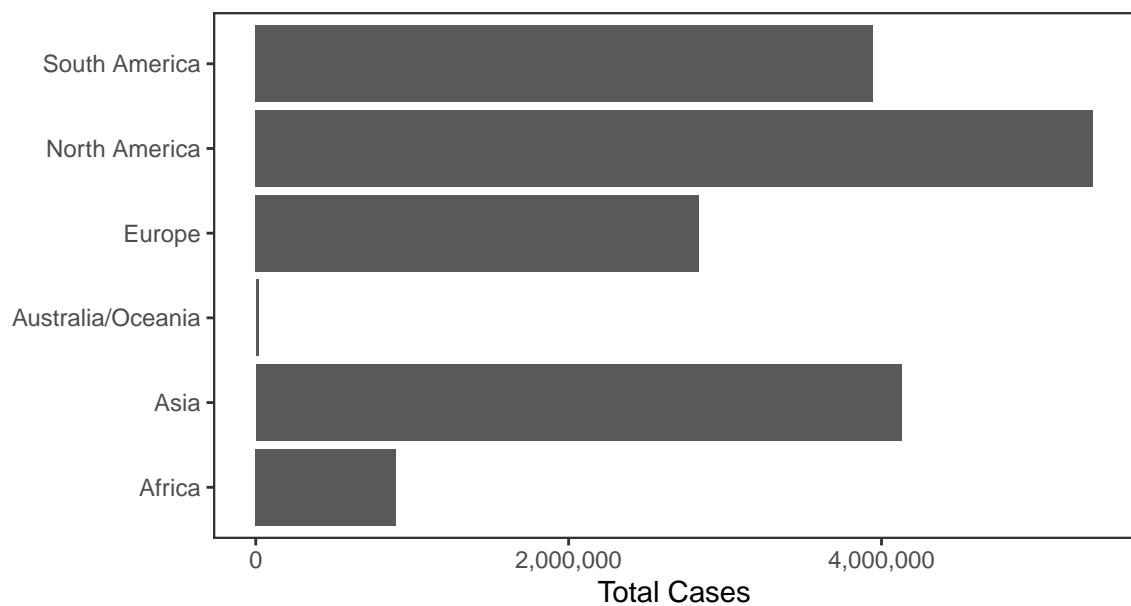
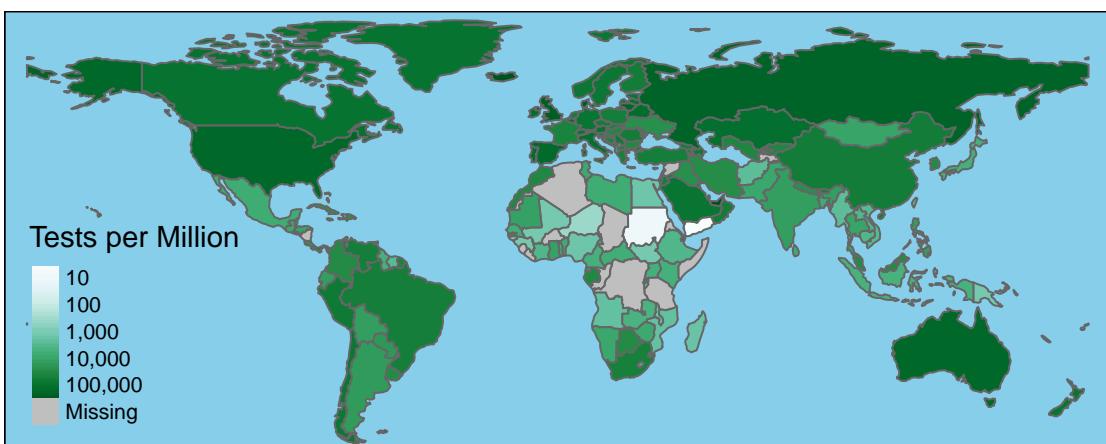
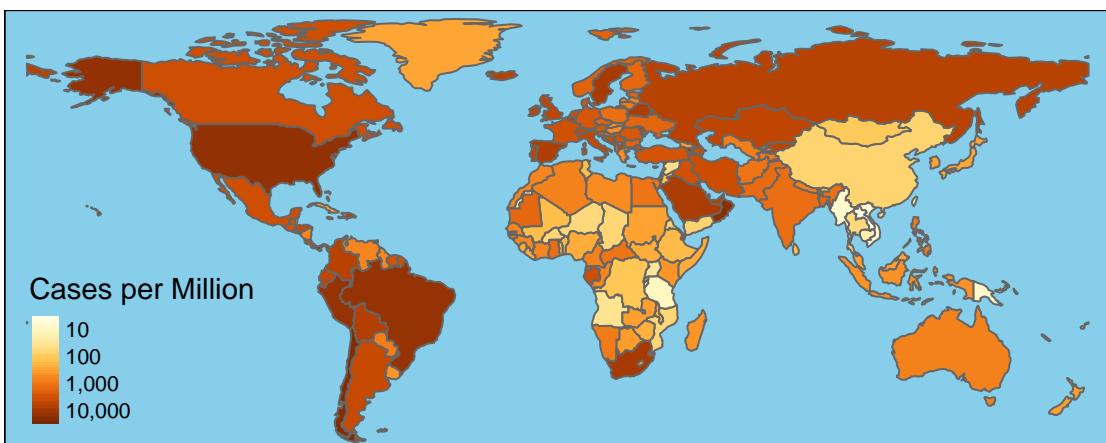
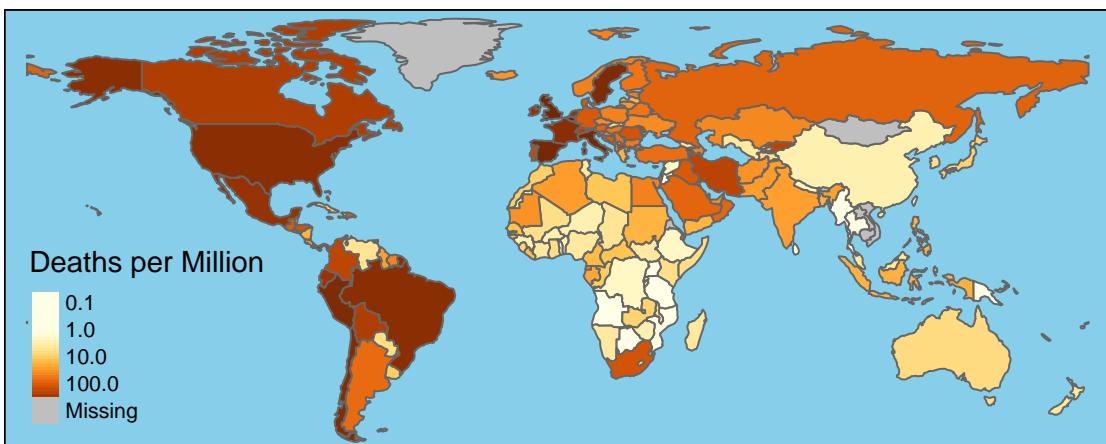


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	4,568,037	153,840	66,921	1,485
Brazil	2,555,518	90,188	70,869	1,554
India	1,584,384	35,003	52,249	779
Russia	828,990	13,673	5,475	169
South Africa	471,123	7,497	11,362	240
Mexico	402,697	44,876	7,208	854
Peru	395,005	18,612	0	0
Chile	351,575	9,278	1,775	38
Spain	329,721	28,441	2,031	5
UK	301,455	45,961	763	83
Iran	298,909	16,343	2,636	196
Pakistan	276,288	5,892	1,063	27
Colombia	276,055	9,454	8,670	380
Saudi Arabia	272,590	2,816	1,759	27
Italy	246,776	35,129	289	6
Bangladesh	232,194	3,035	3,009	35
Turkey	228,924	5,659	942	14
Germany	208,811	9,212	860	5
France	185,196	30,238	1,392	15
Argentina	178,996	3,288	5,641	109



National Data

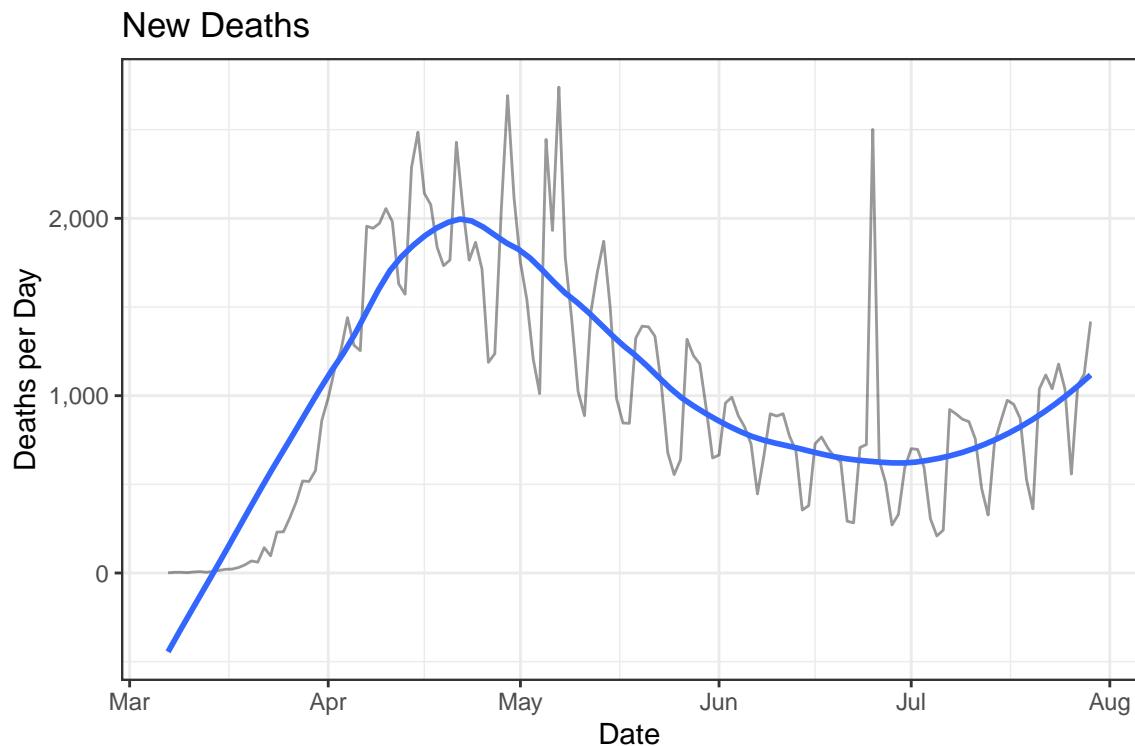
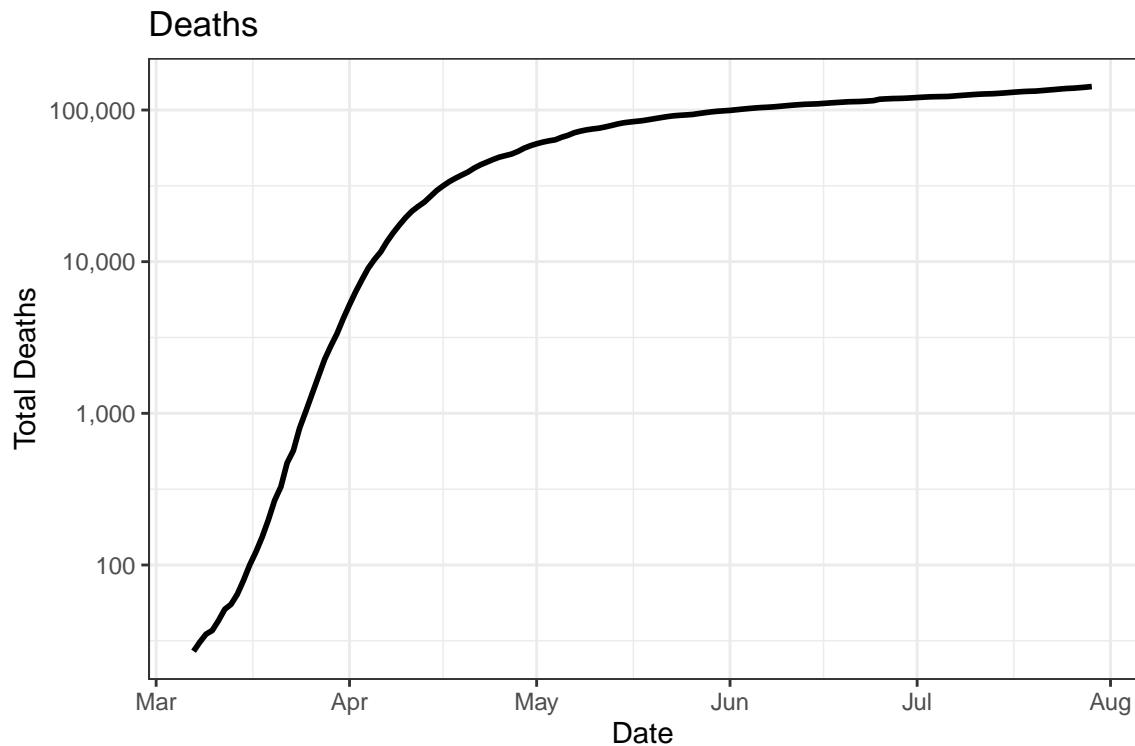
There have been 4,394,906 confirmed Covid-19 cases and 142,848 deaths in the United States.

Table 2: U.S. Deaths and Cases over the Last Two Weeks

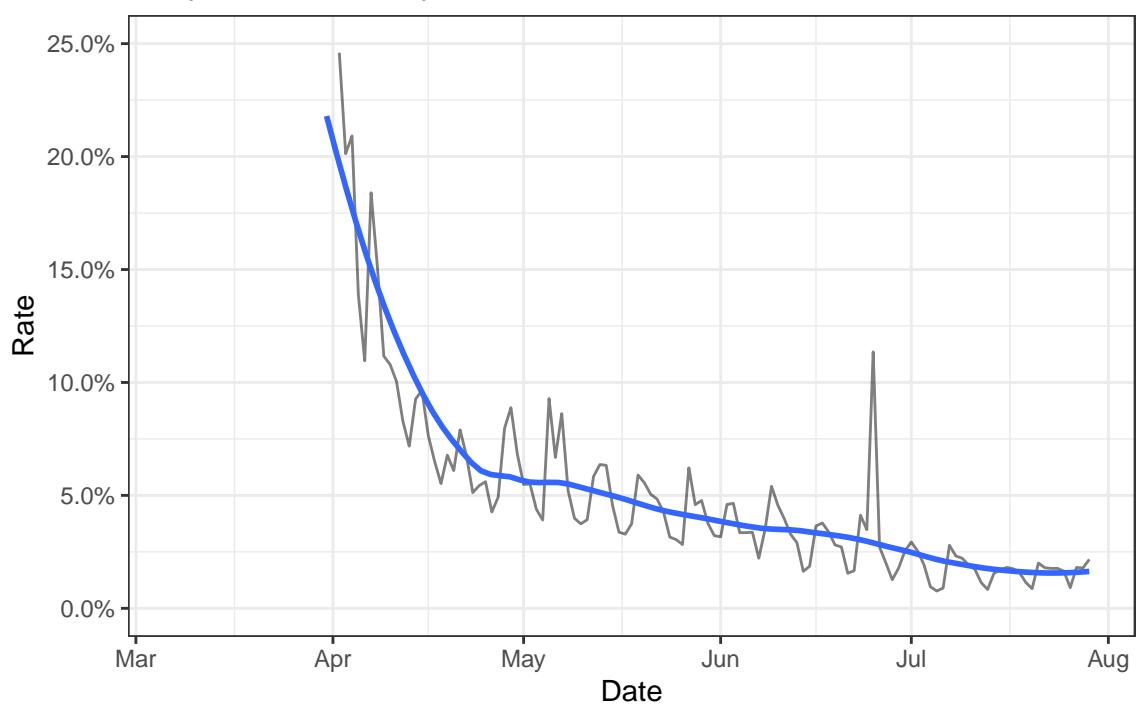
Date	Cases	Deaths	New Cases	New Deaths
2020-07-29	4,394,906	142,848	66,211	1,418
2020-07-28	4,328,695	141,430	53,507	1,121
2020-07-27	4,275,188	140,309	55,134	1,059
2020-07-26	4,220,054	139,250	61,713	558
2020-07-25	4,158,341	138,692	65,413	1,037
2020-07-24	4,092,928	137,655	75,193	1,178
2020-07-23	4,017,735	136,477	71,027	1,039
2020-07-22	3,946,708	135,438	69,150	1,117
2020-07-21	3,877,558	134,321	63,642	1,038
2020-07-20	3,813,916	133,283	56,971	362
2020-07-19	3,756,945	132,921	64,884	526
2020-07-18	3,692,061	132,395	65,180	872
2020-07-17	3,626,881	131,523	77,233	951
2020-07-16	3,549,648	130,572	70,953	974

Deaths

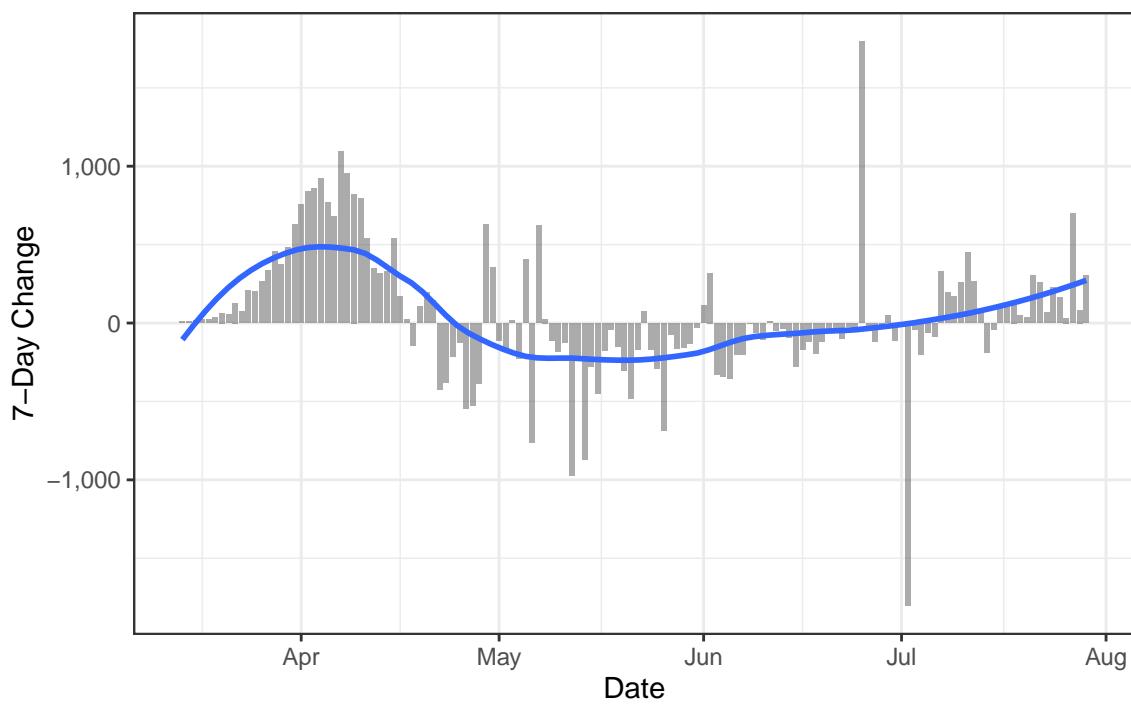
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator of lethality because a large numbers of non-lethal cases are likely never detected. A declining case mortality rate is indicative of more widespread testing.

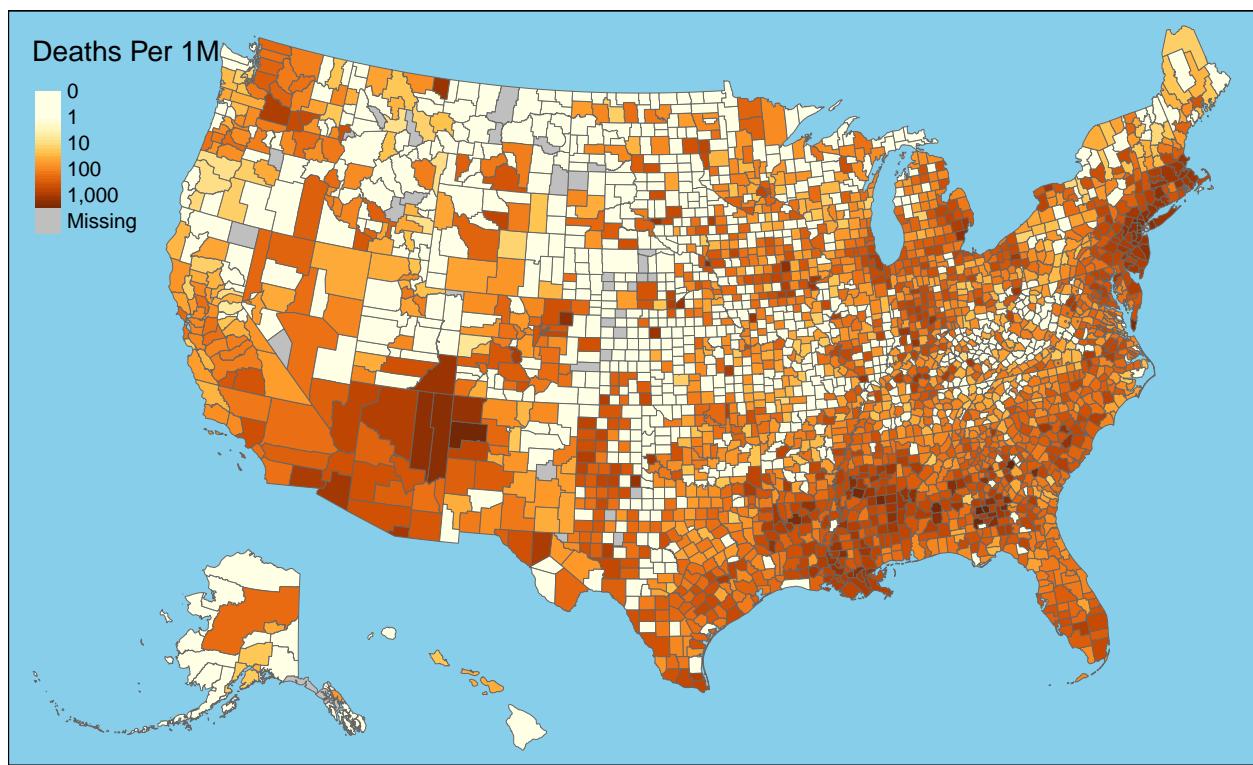


Daily Case Mortality Rate



One-Week Change in Daily Deaths

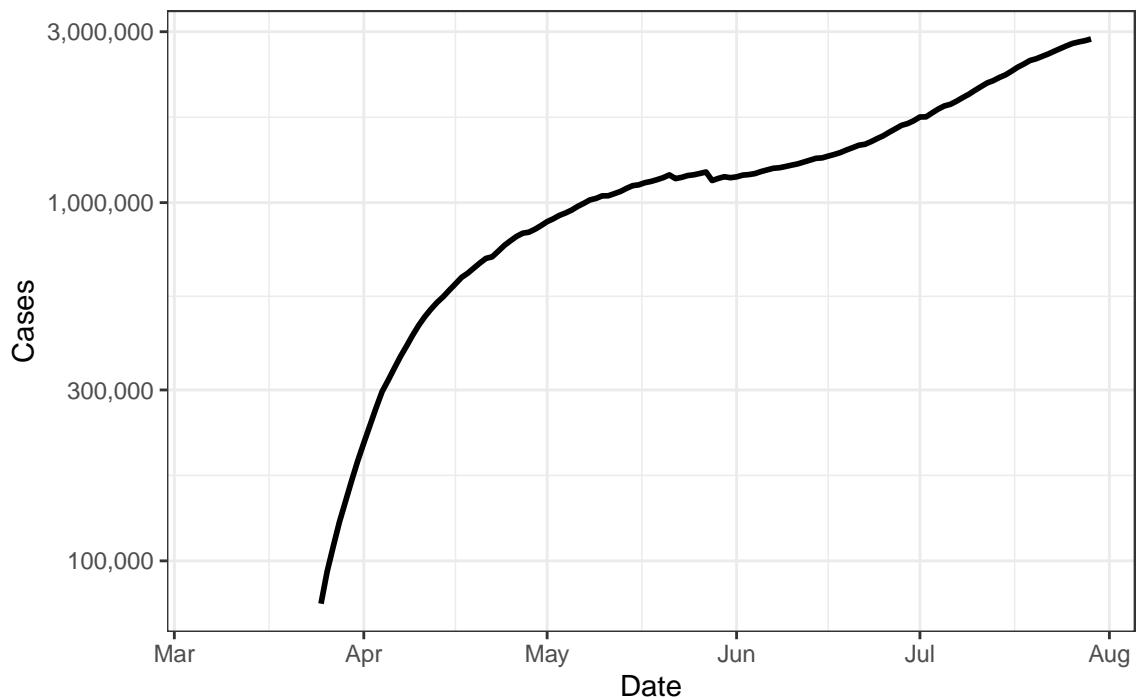




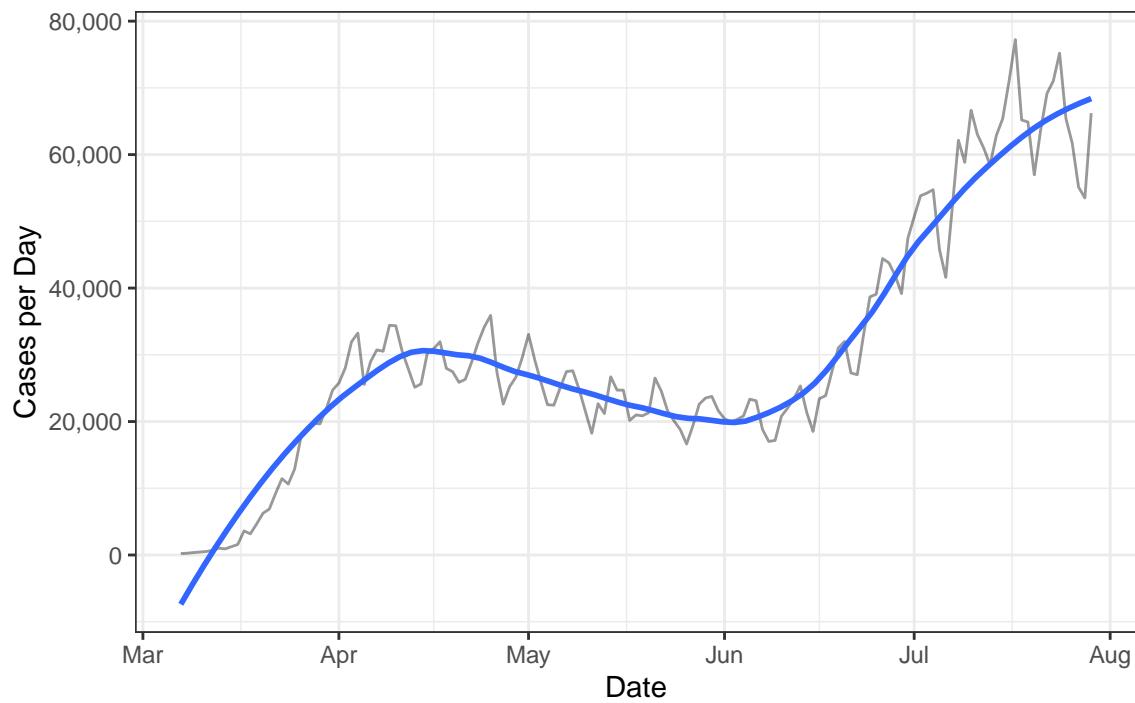
Cases

Reported cases are a function of both the spread of the disease and the prevalence of testing.

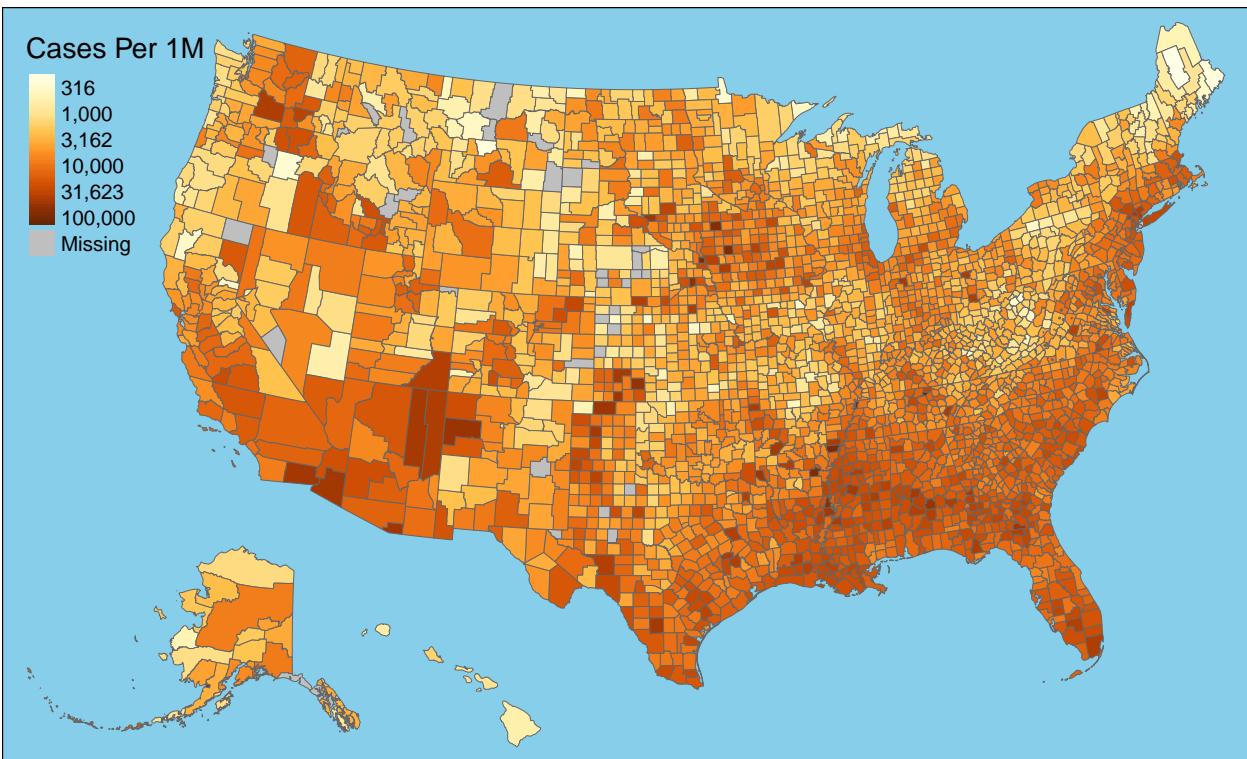
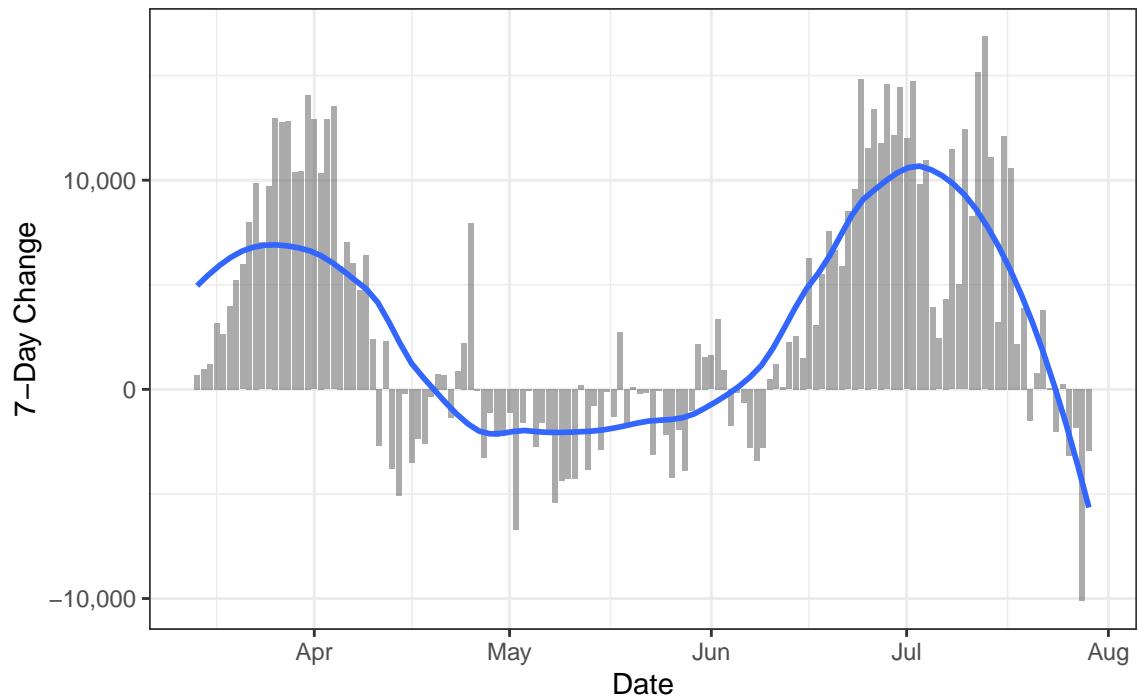
Active Cases



New Cases

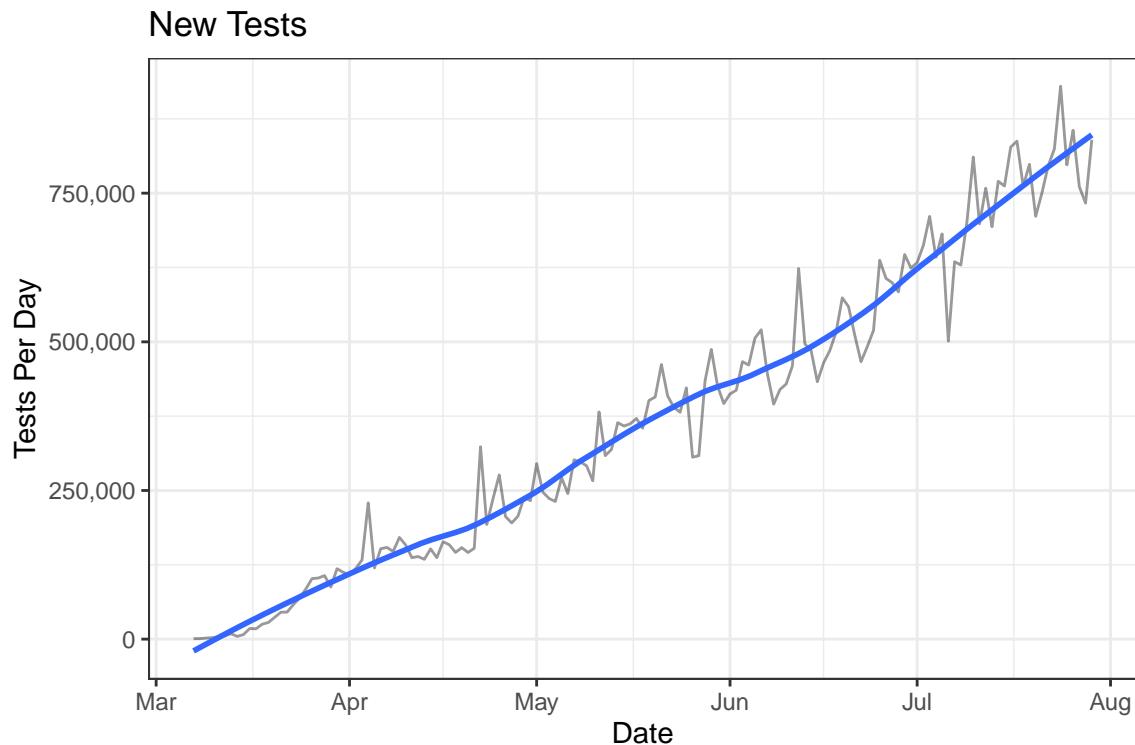
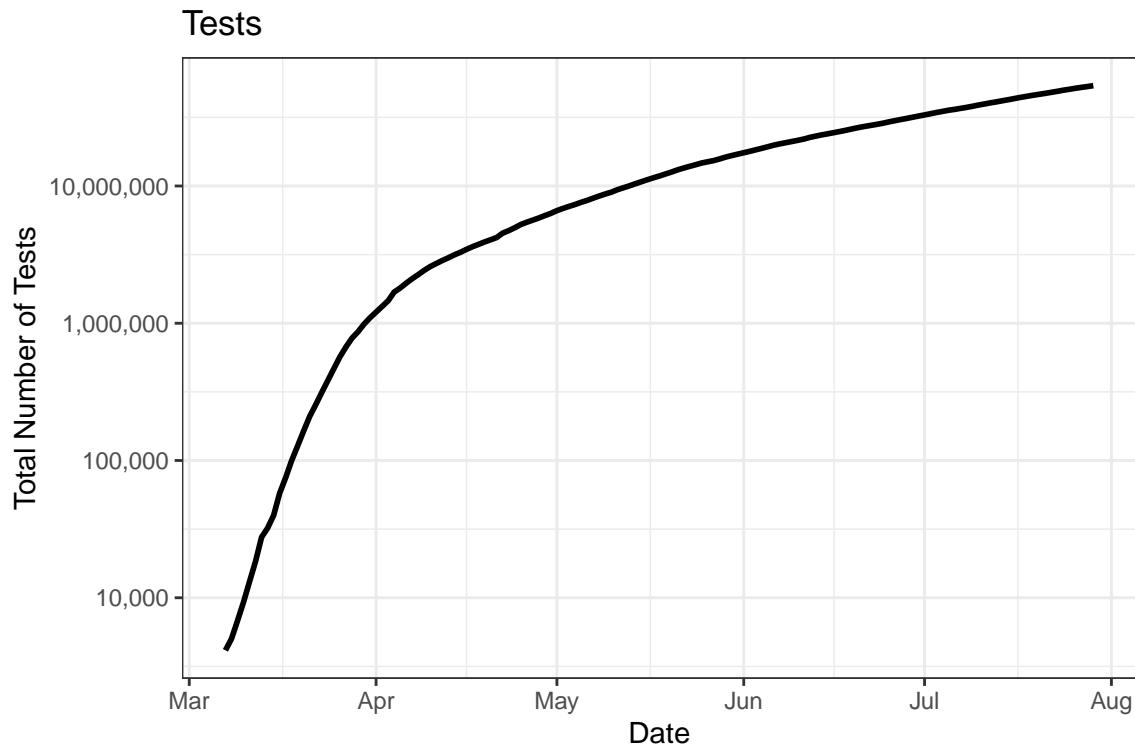


One-Week Change in Daily Cases

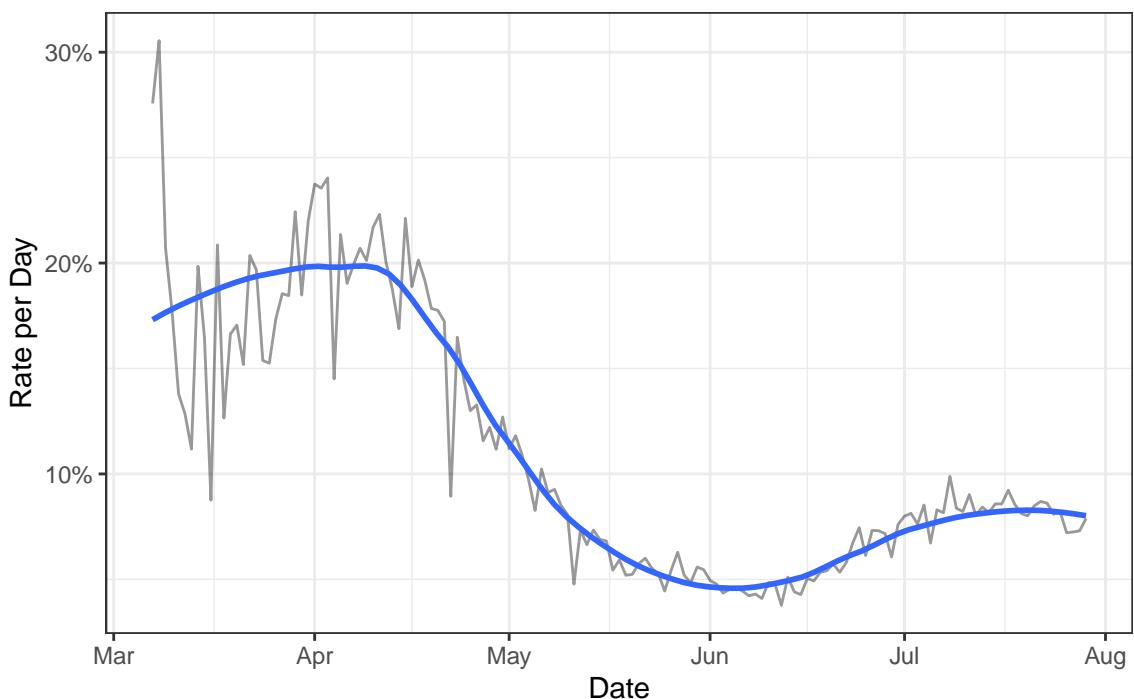


Testing

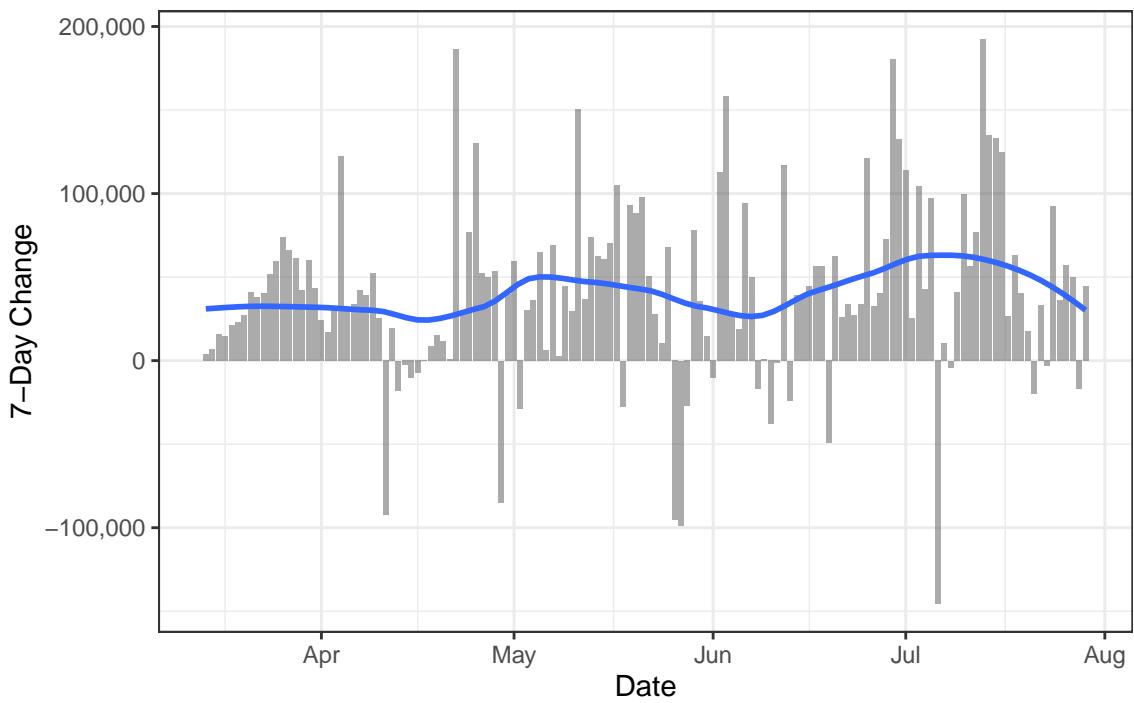
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted the virus. A high positive test rate indicates that testing capacity is constrained.



Positive Test Rate



One-Week Change in Daily Tests

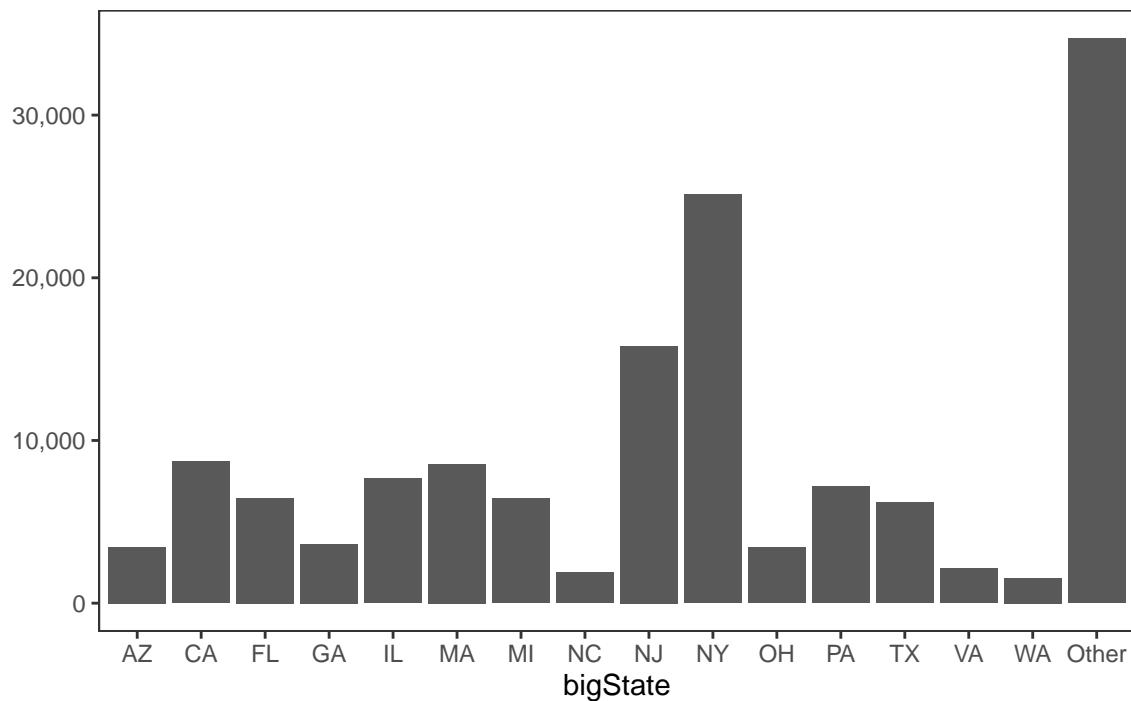


State Data

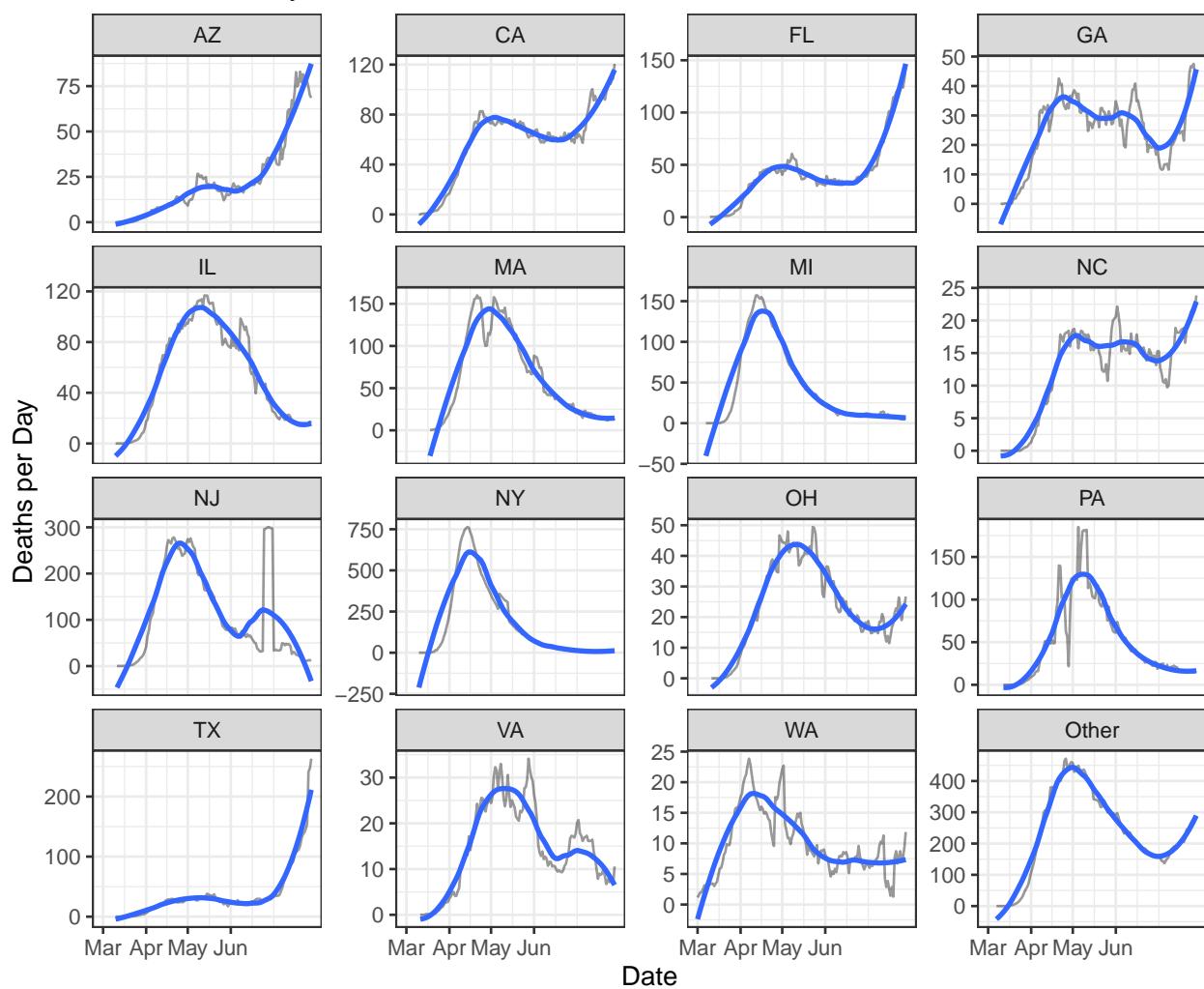
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

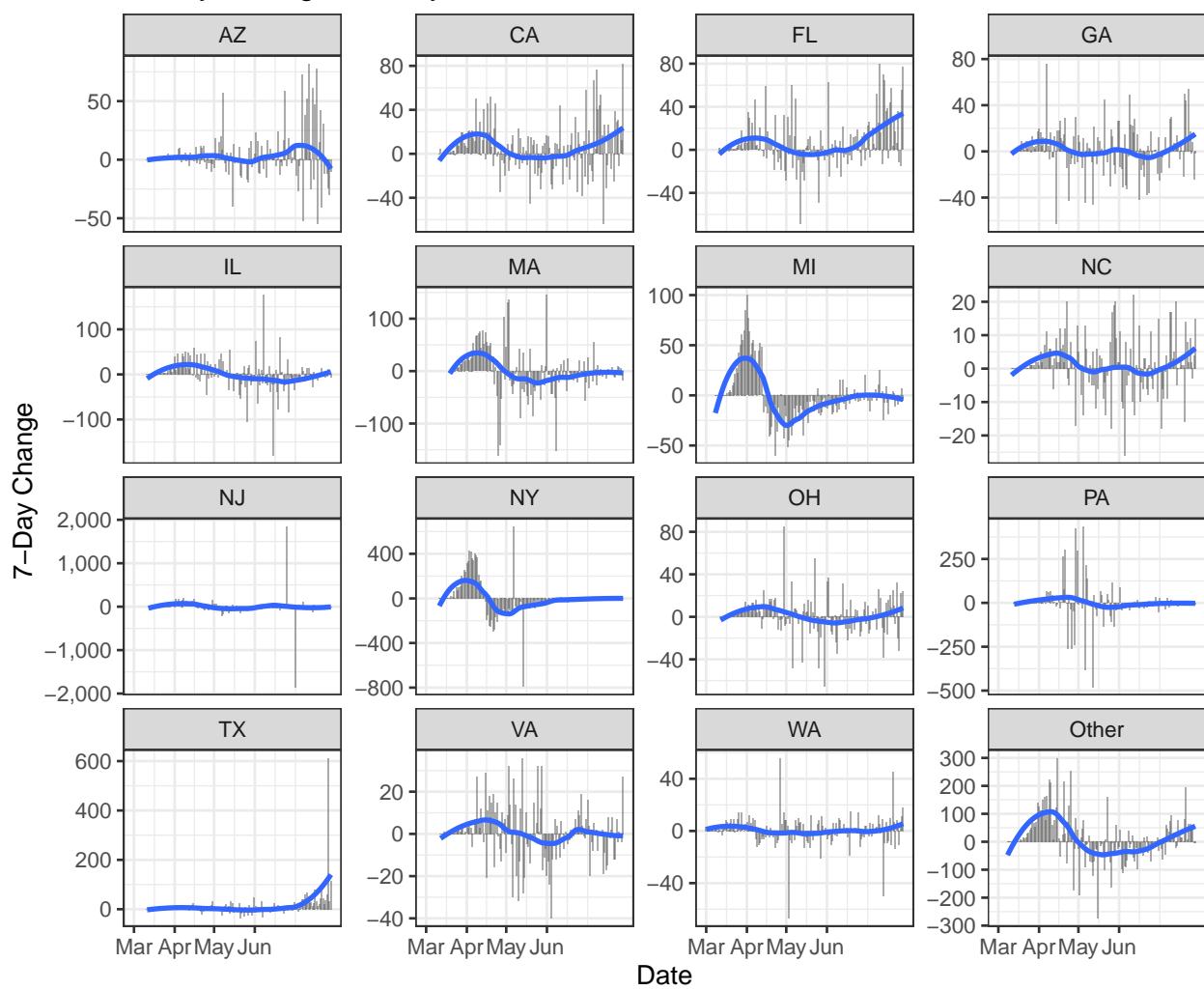
Deaths by State

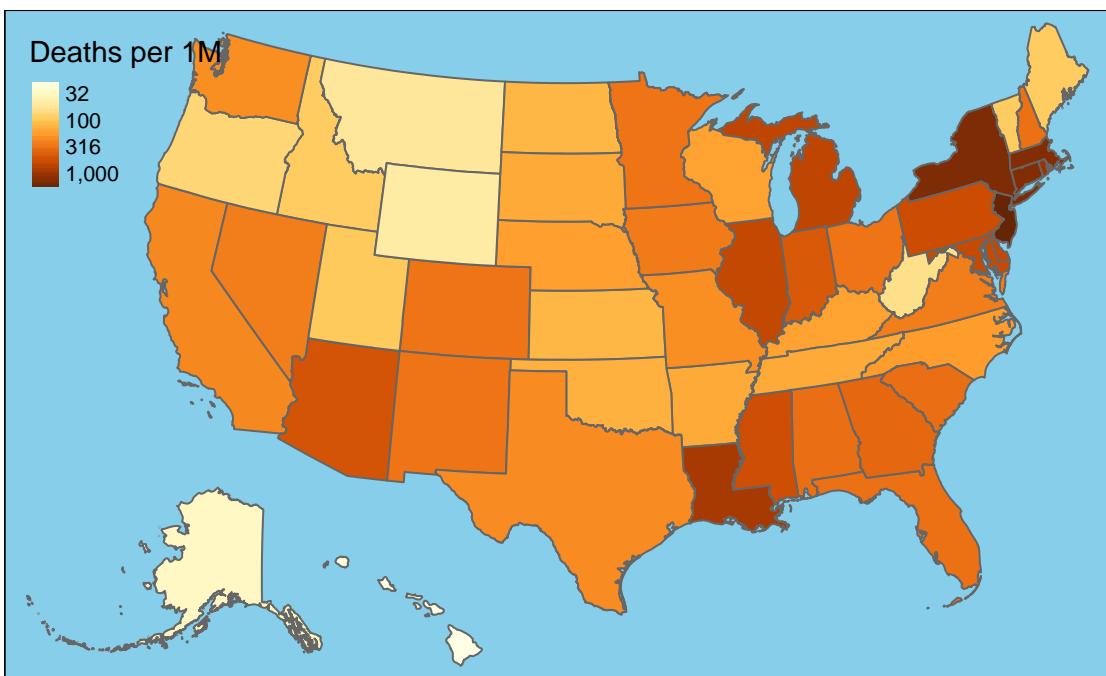
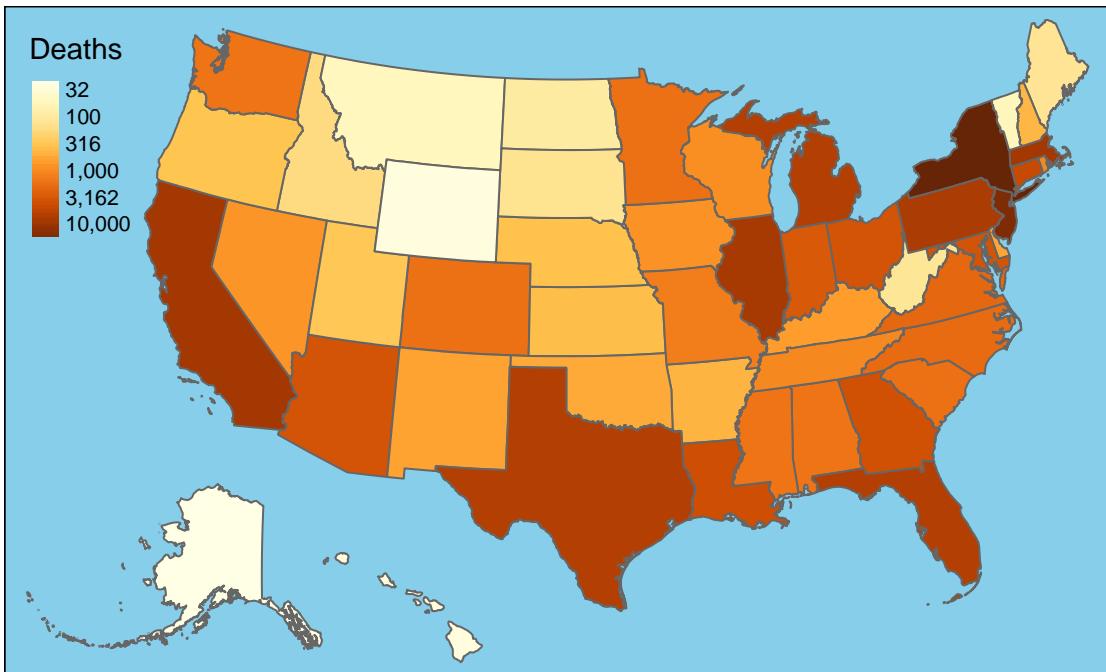


New Deaths by State



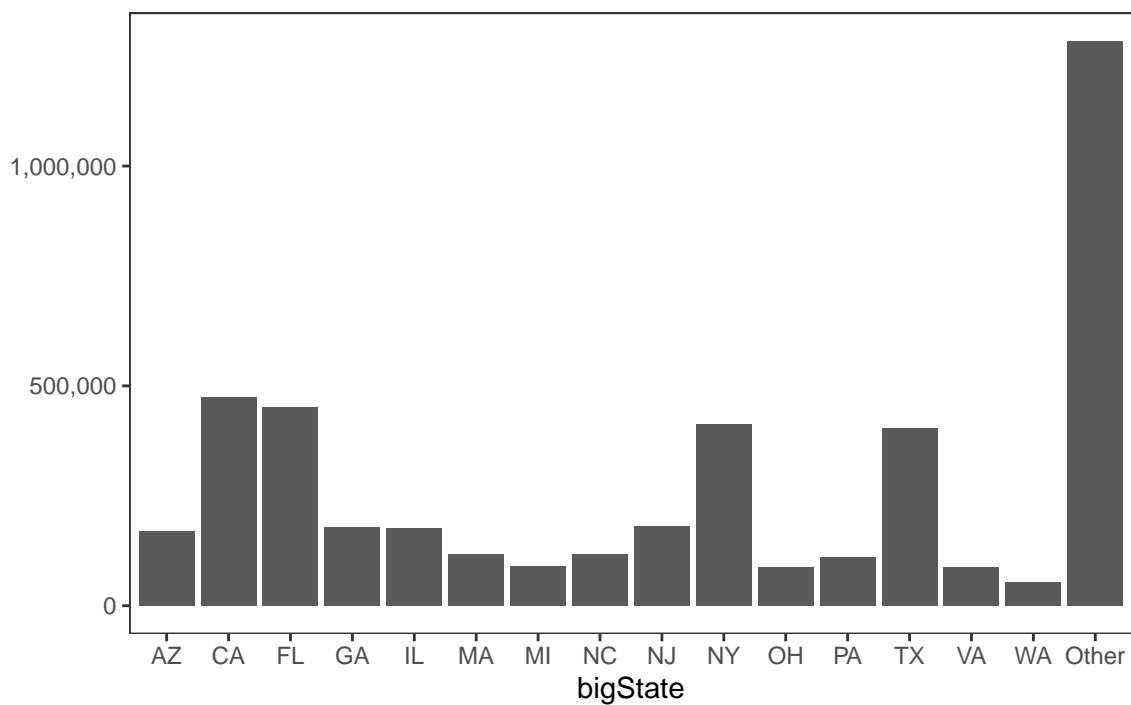
7-Day Change in Daily Deaths



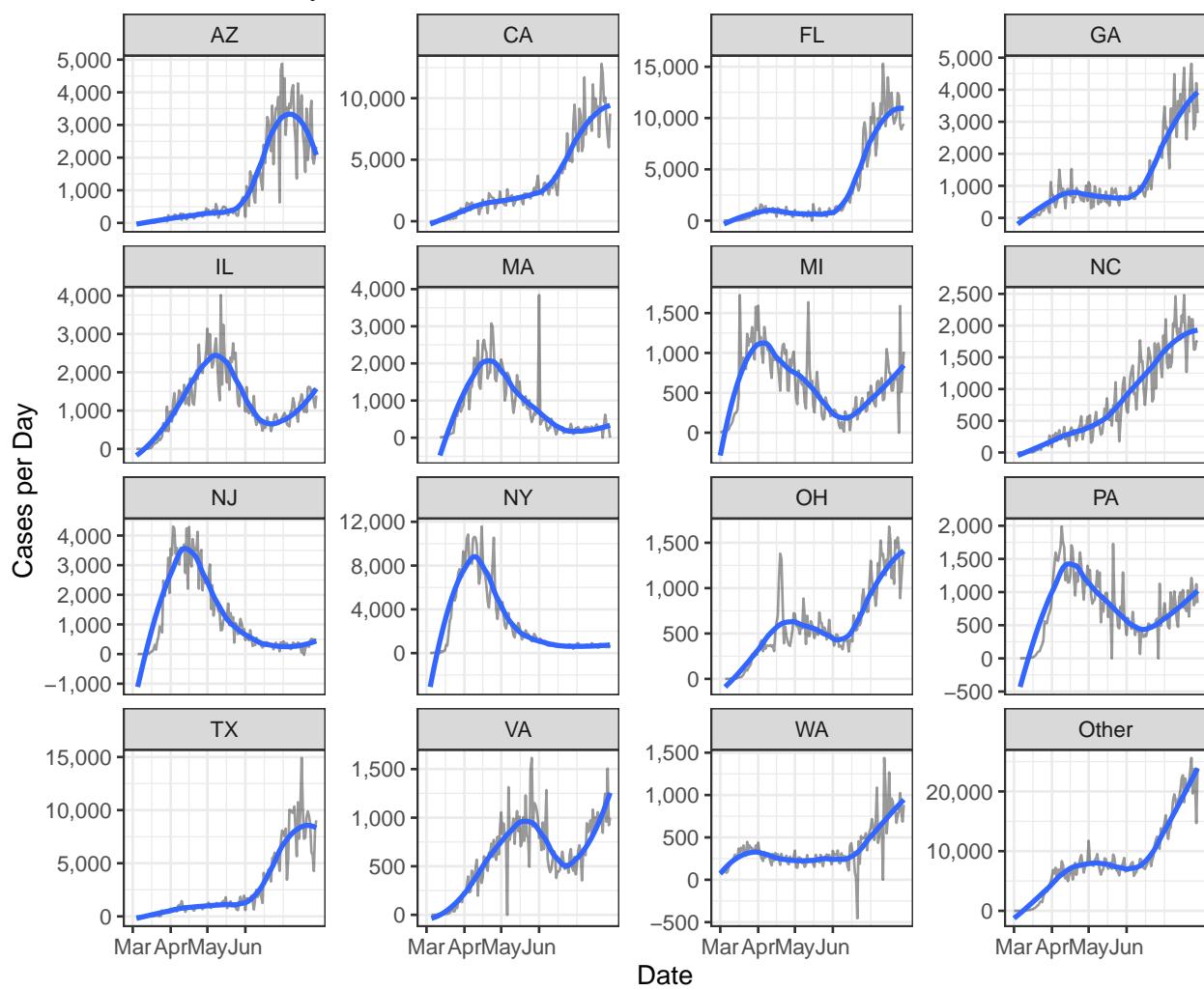


Cases

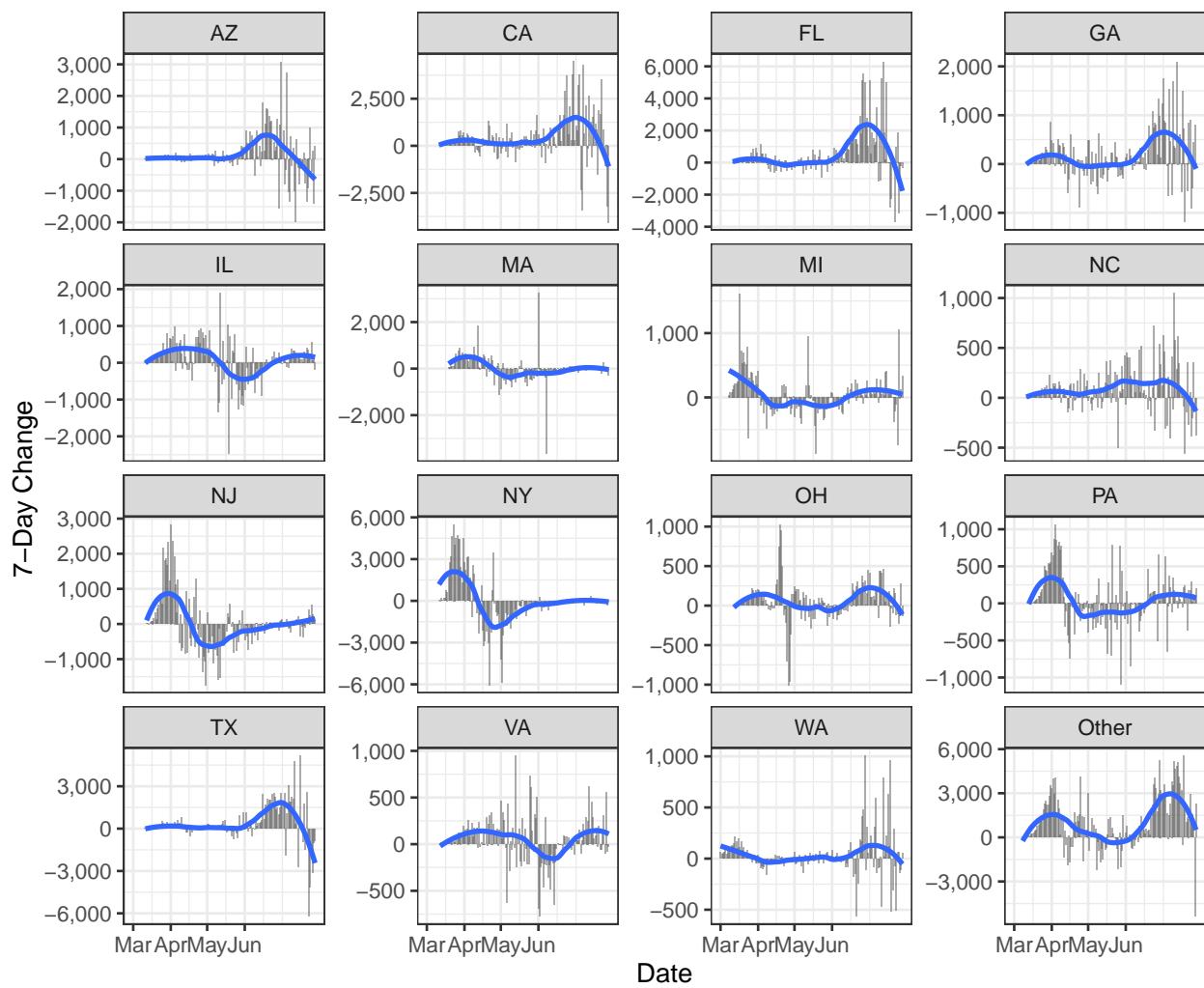
Cases by State

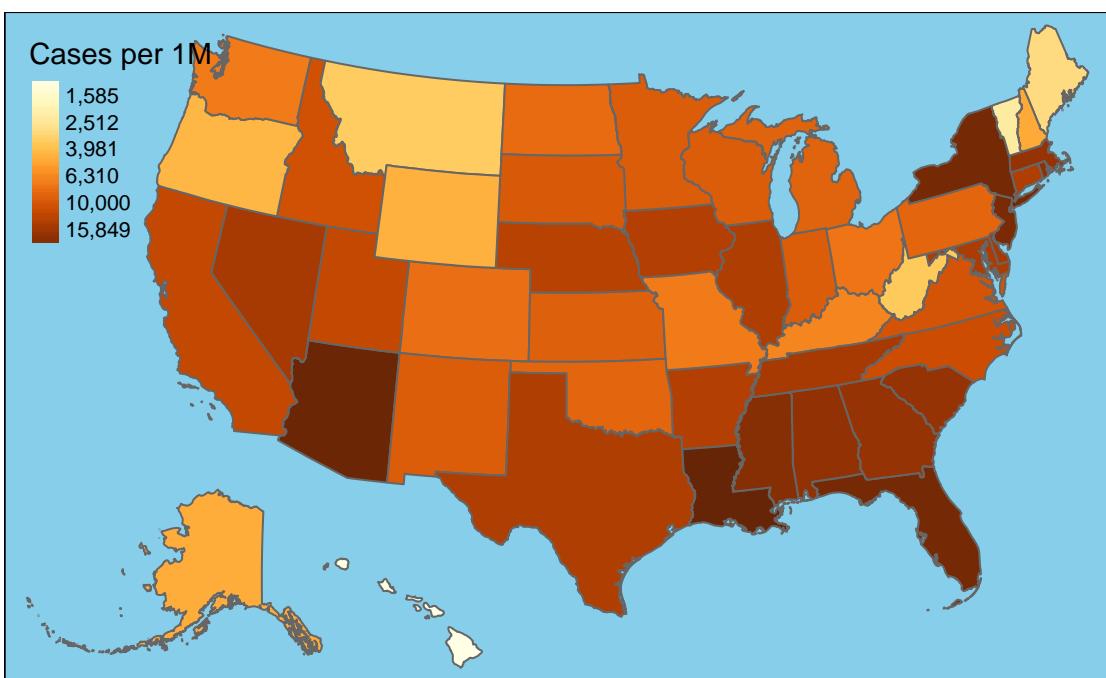
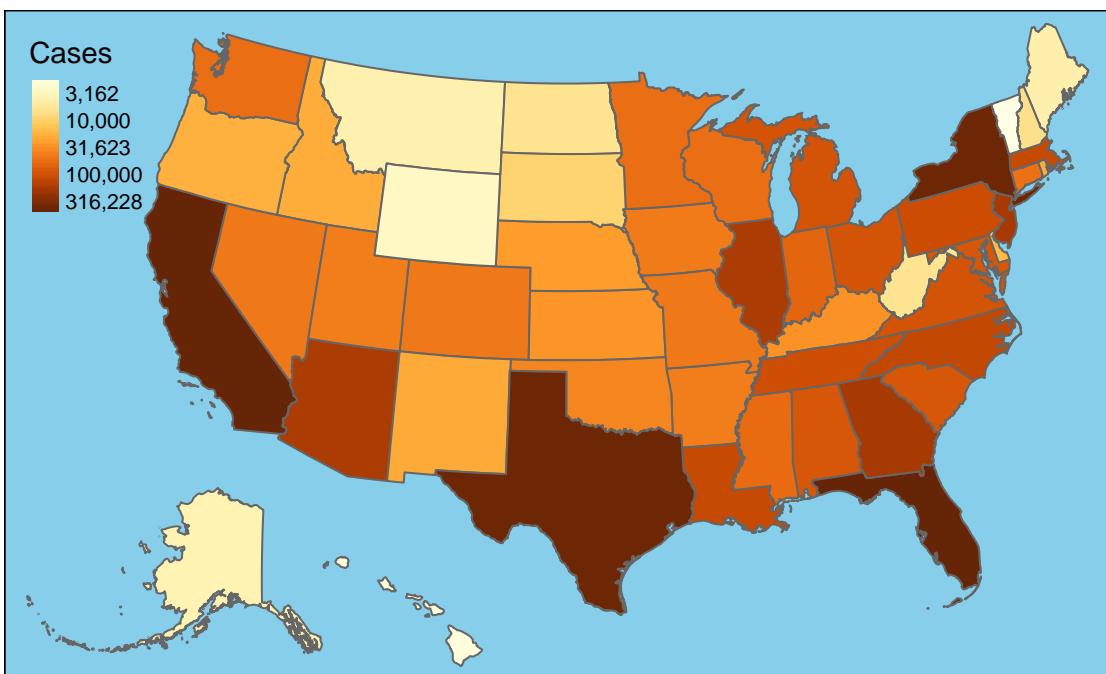


New Cases by State

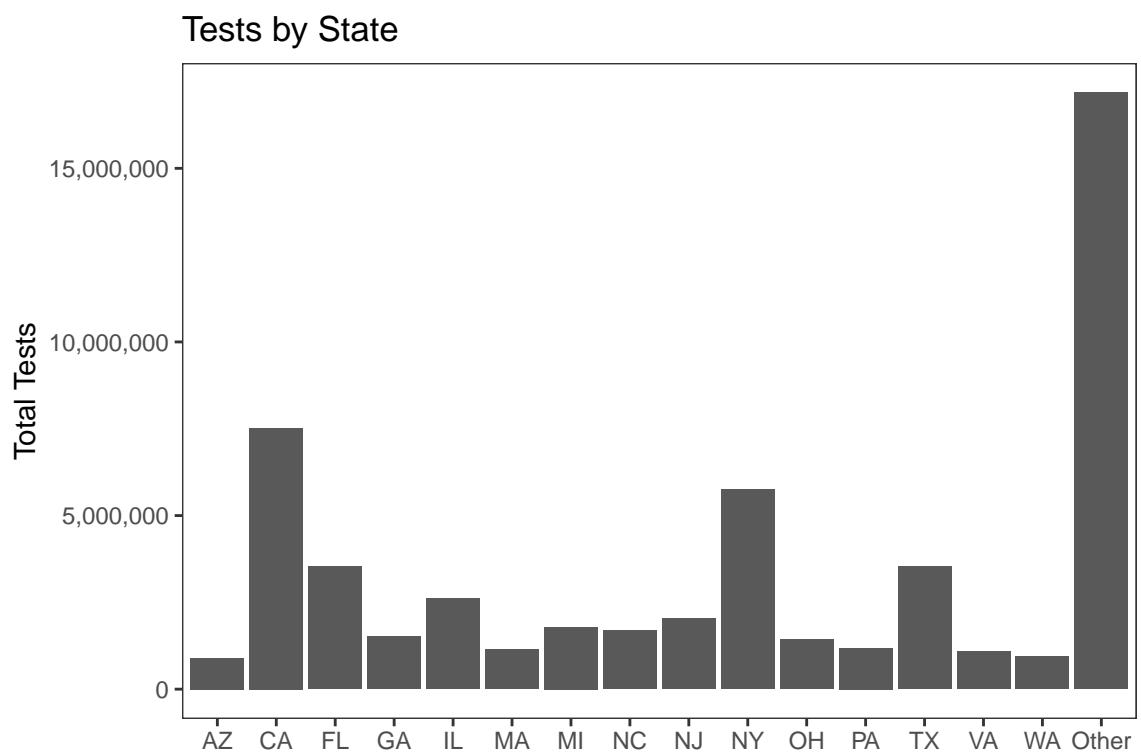


7-Day Change in Daily Cases

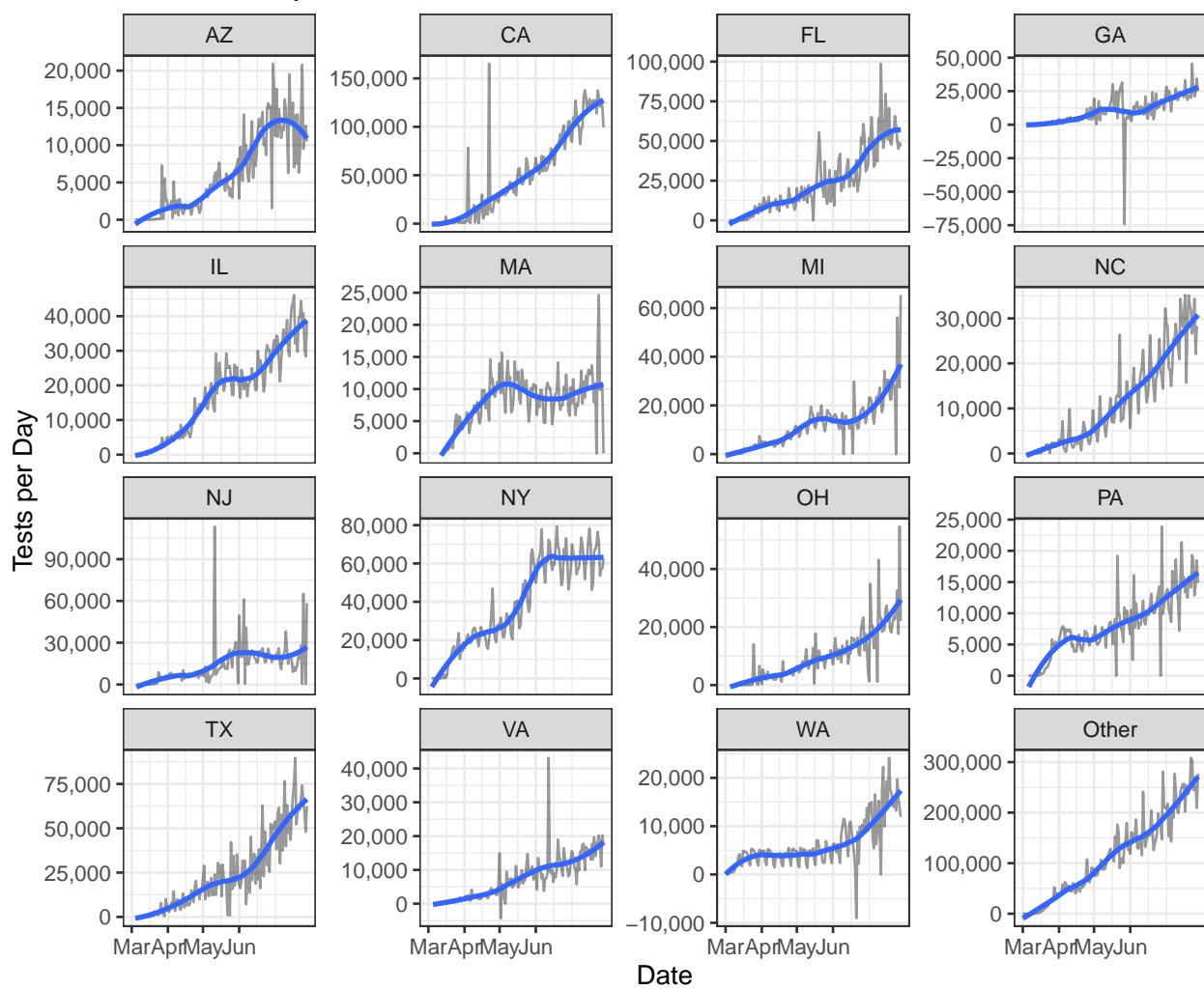


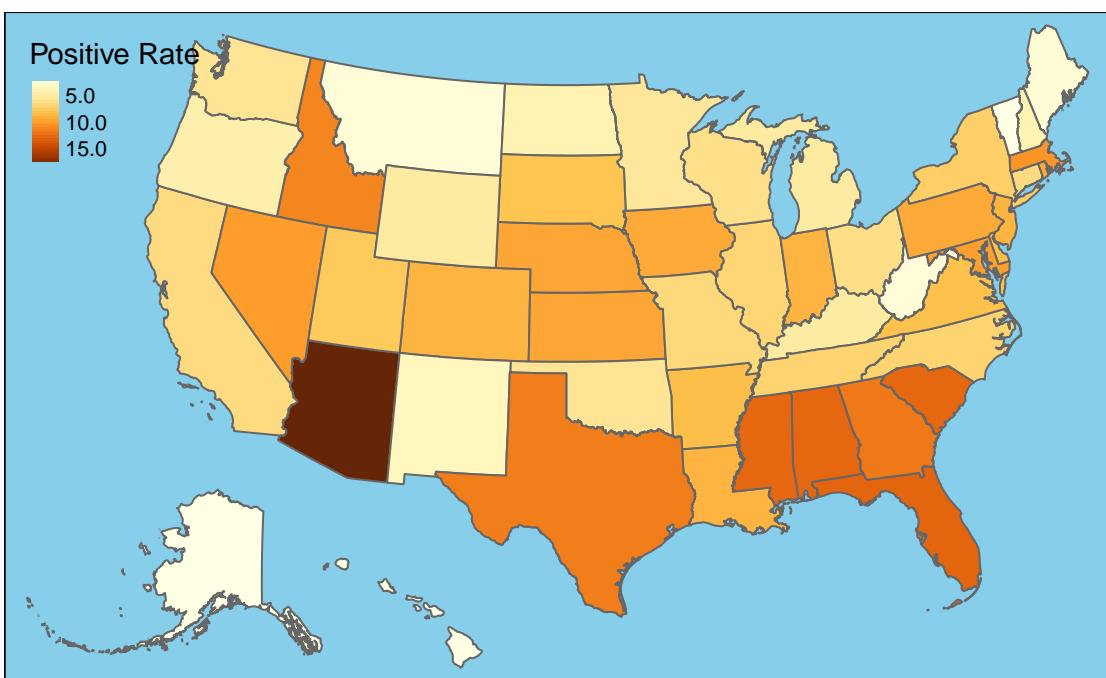
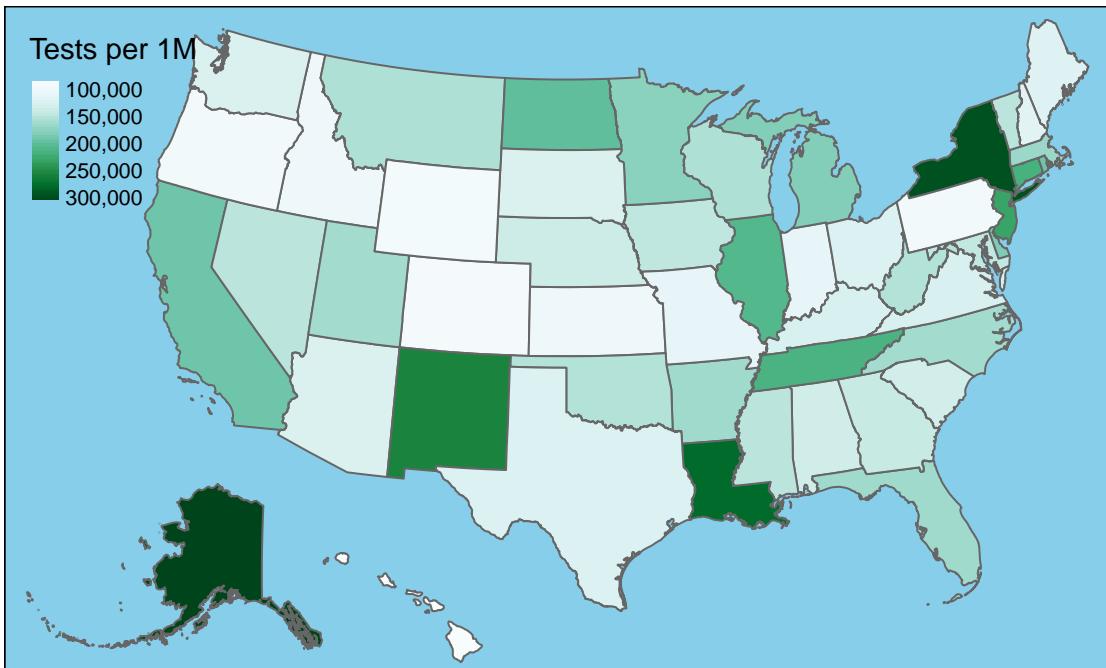


Testing



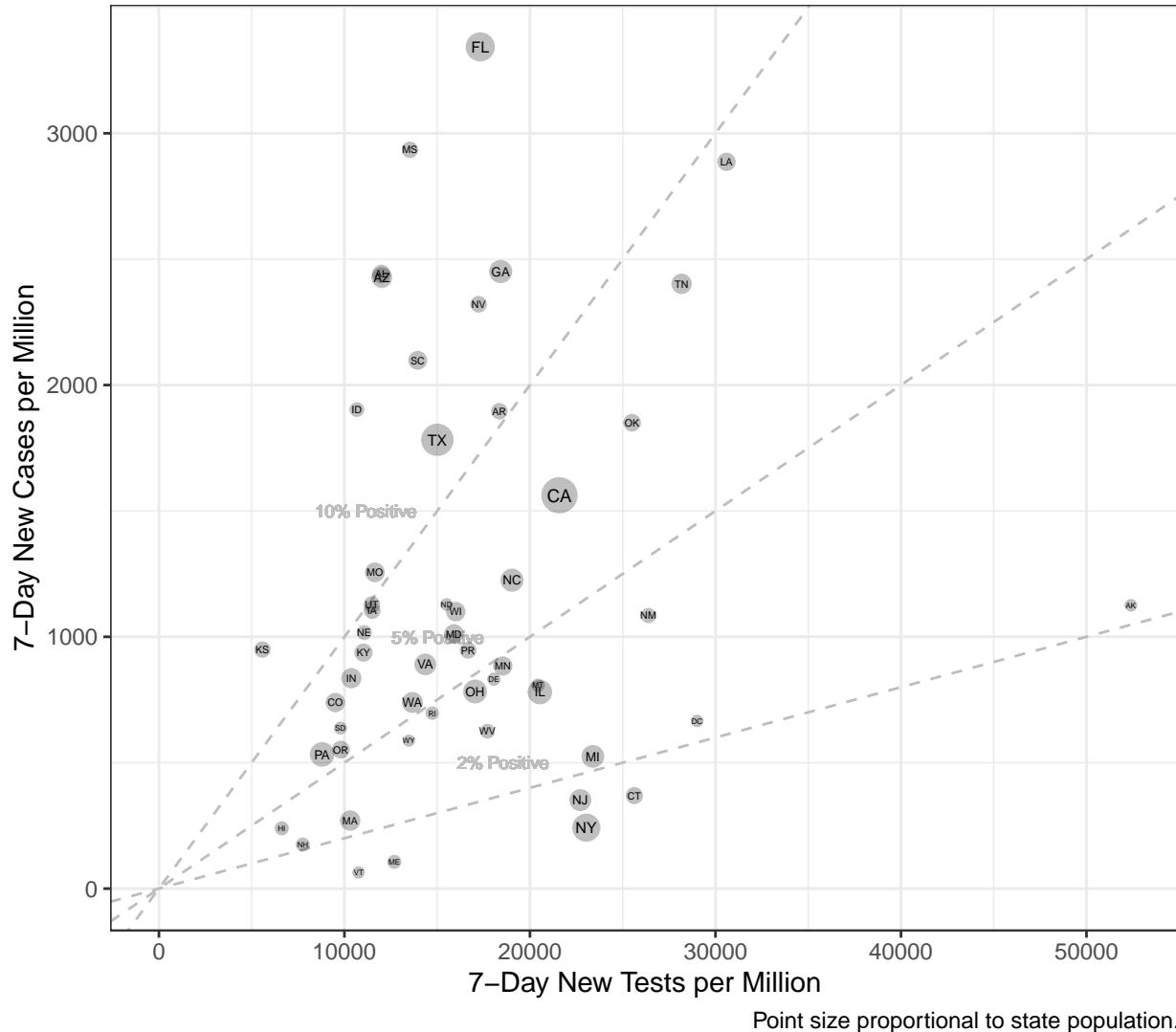
New Tests by State





Interpretation of differences in case rates across states is complicated by the fact that those states that do more thorough testing will invariably uncover more cases. A lower positive test rate is an indication that a state is doing more comprehensive testing since, when testing is rationed, only those individuals who are more likely to test positive are typically tested. The following chart compares the one-week increase in detected cases to the number of tests administered by each state relative to population. The states of greatest current concern are those with both a large increase in detected cases and a relatively small increase in tests. These states lie in the upper-left of the chart.

Tests vs. Cases by State



Point size proportional to state population.

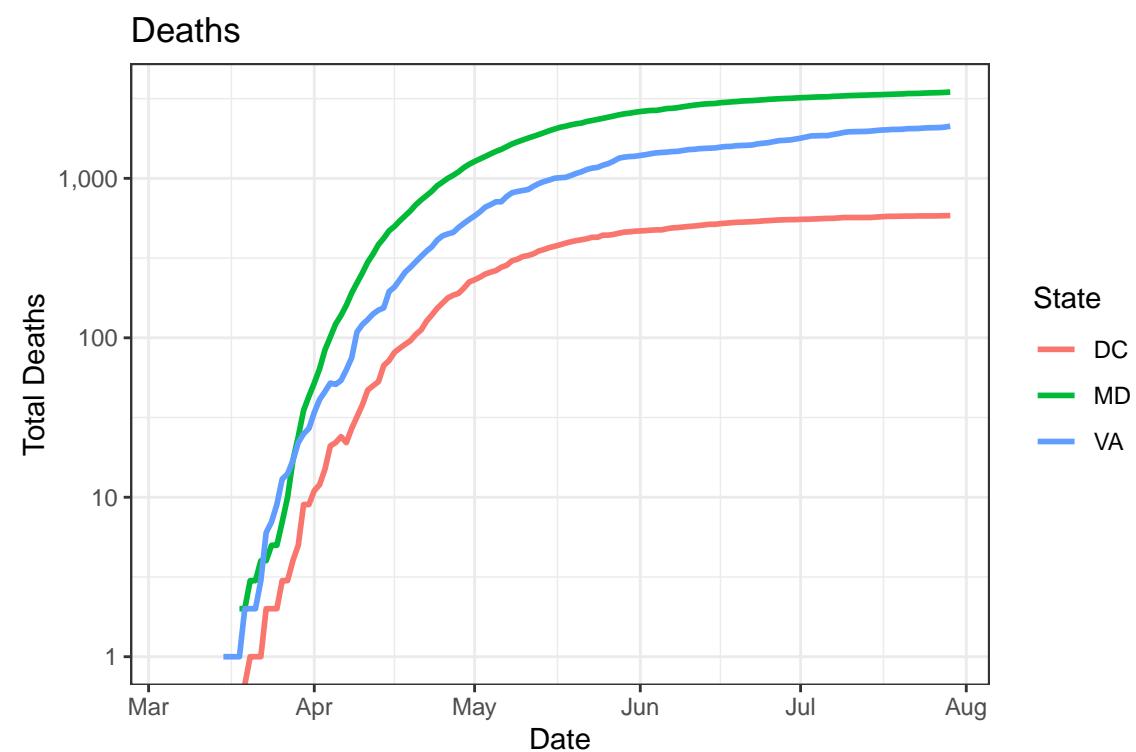
Local Data

The following charts and tables present mortality, case, and testing data for the Washington DC metropolitan area and adjacent states.

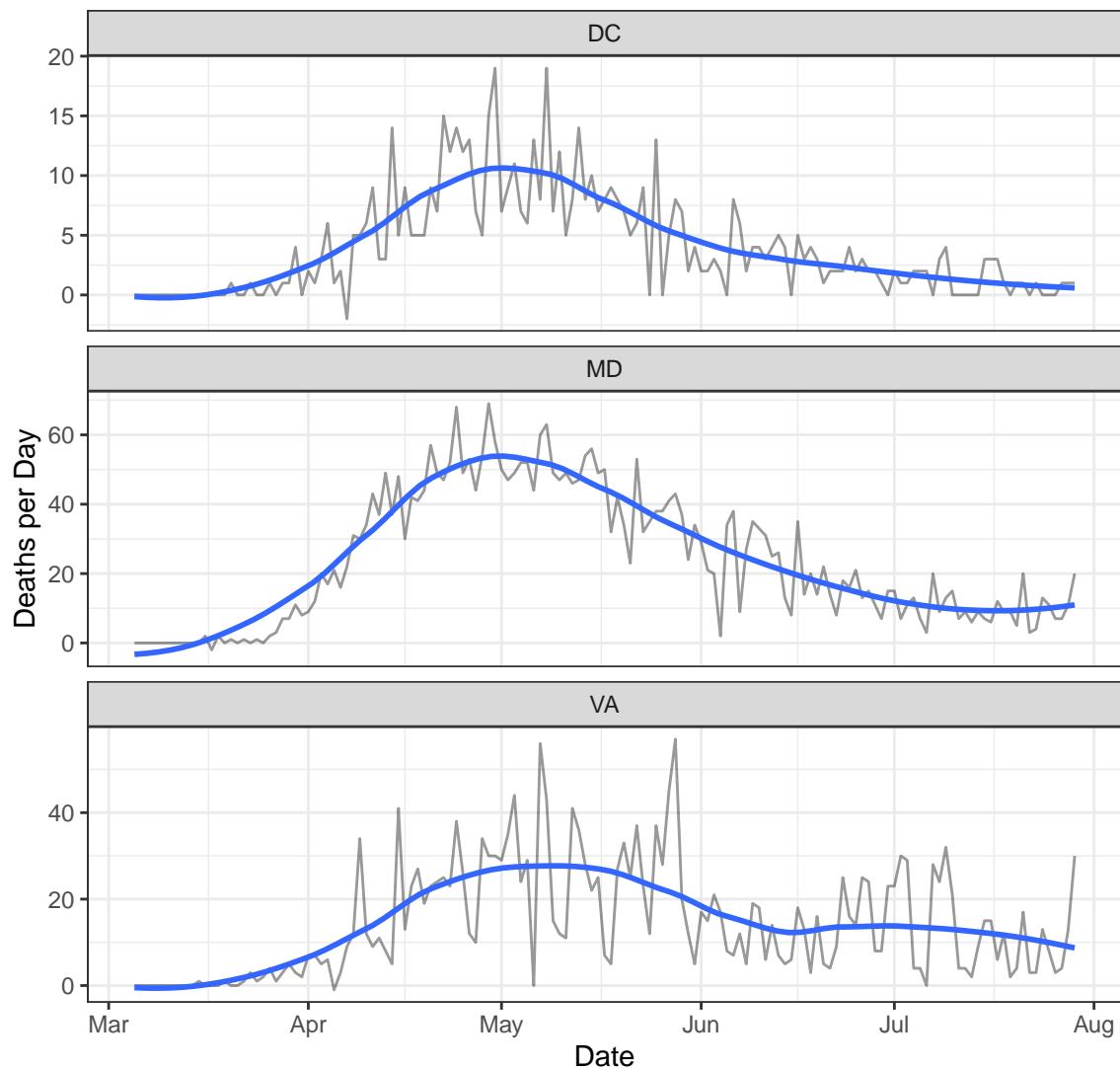
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,999	584	54	1
MD	86,285	3,478	761	20
VA	87,993	2,125	999	30

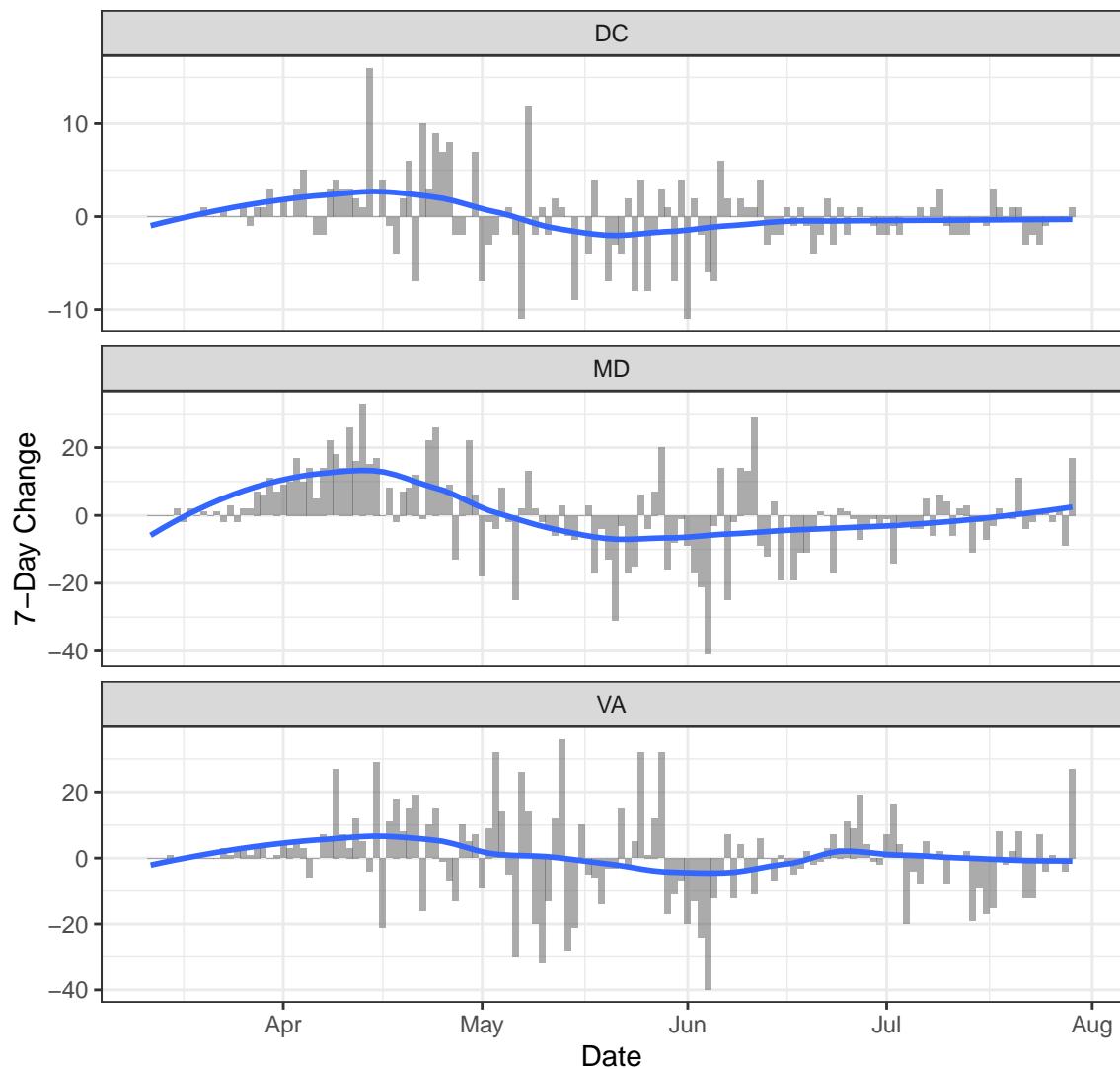
Deaths

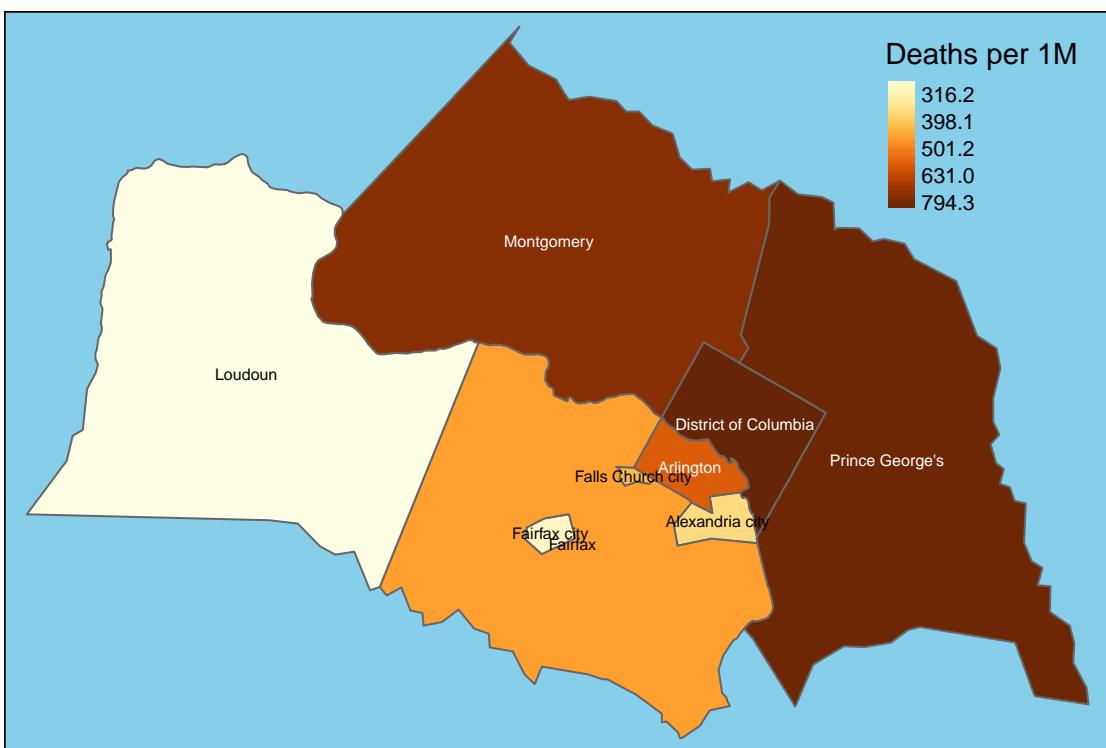
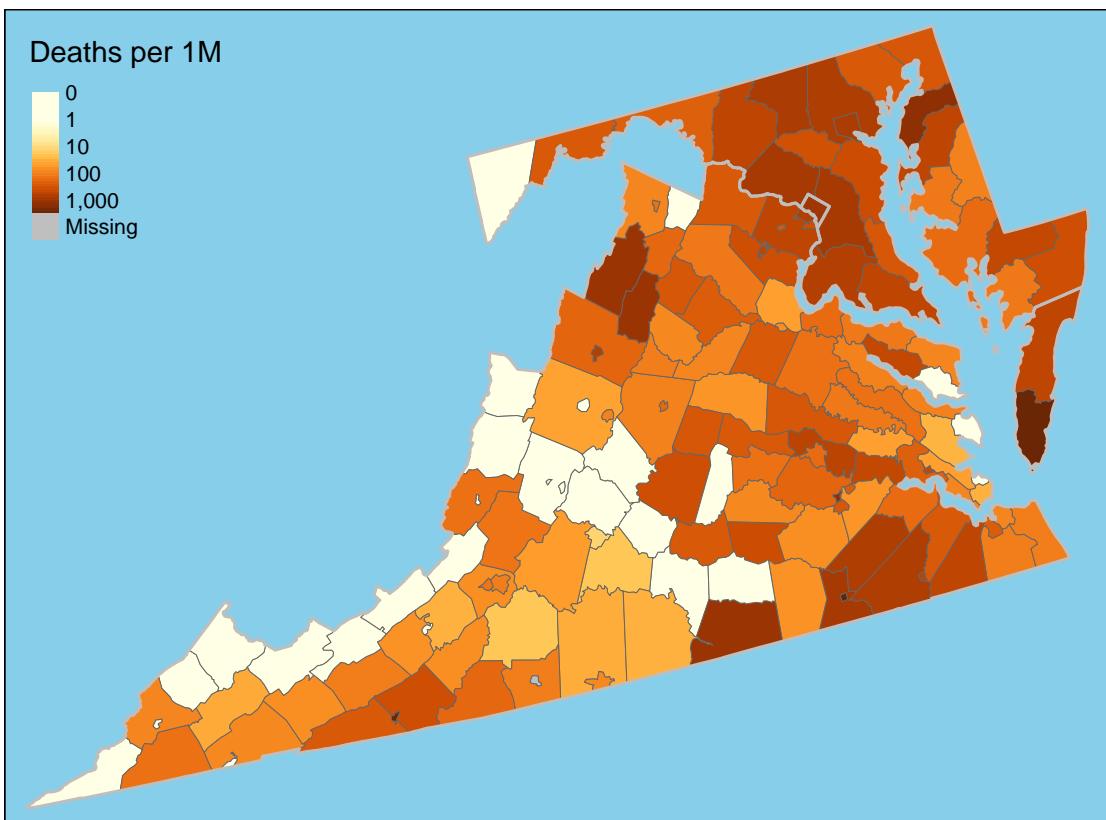


New Deaths

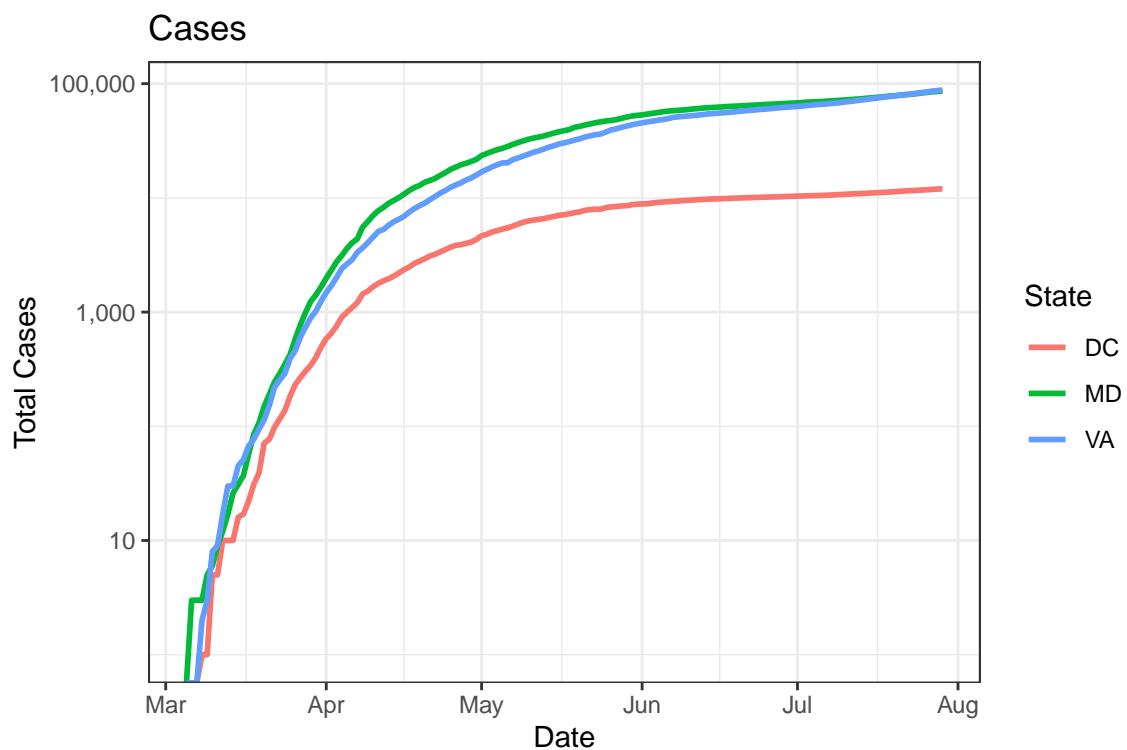


One-Week Change in Daily Deaths

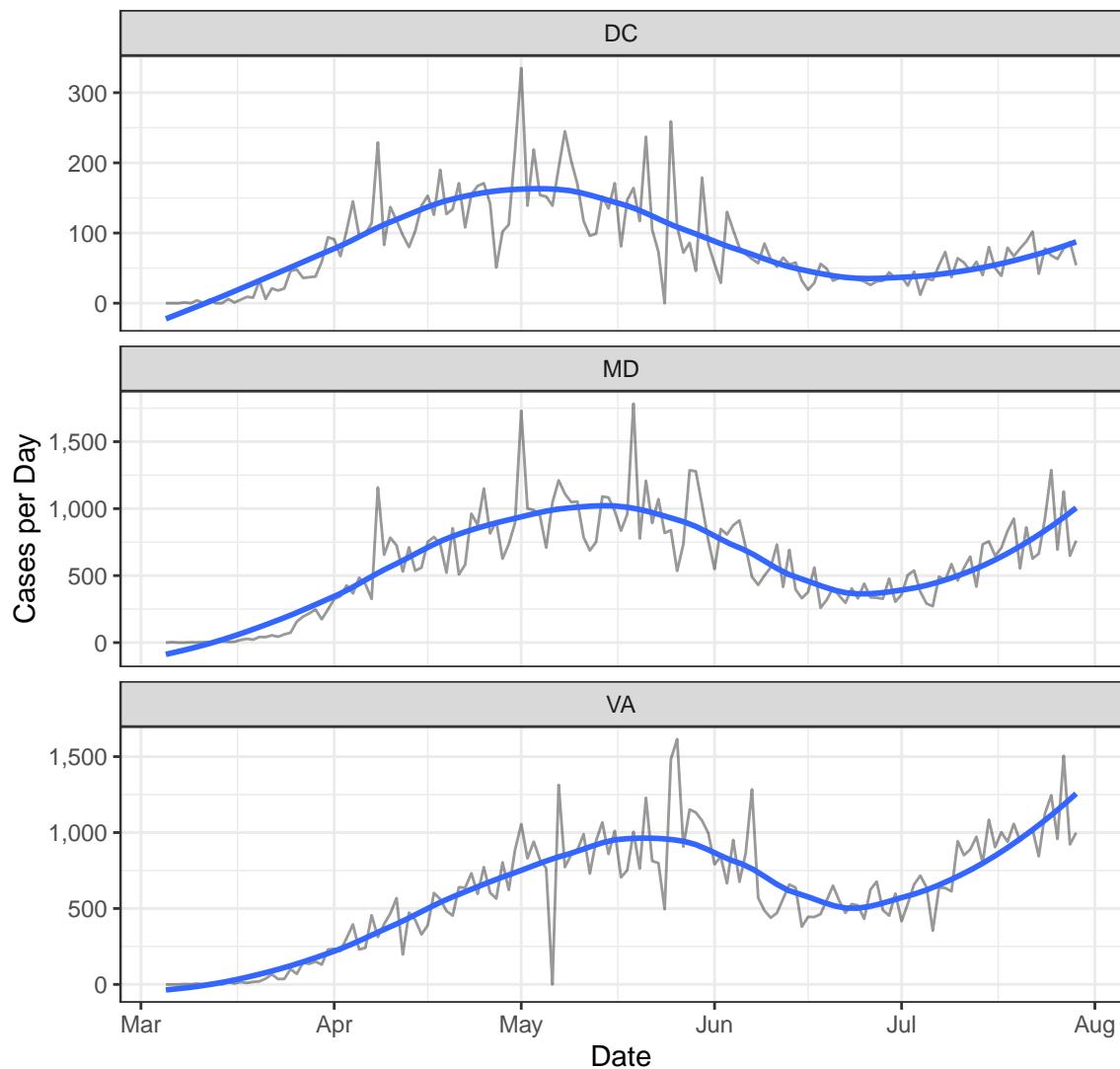




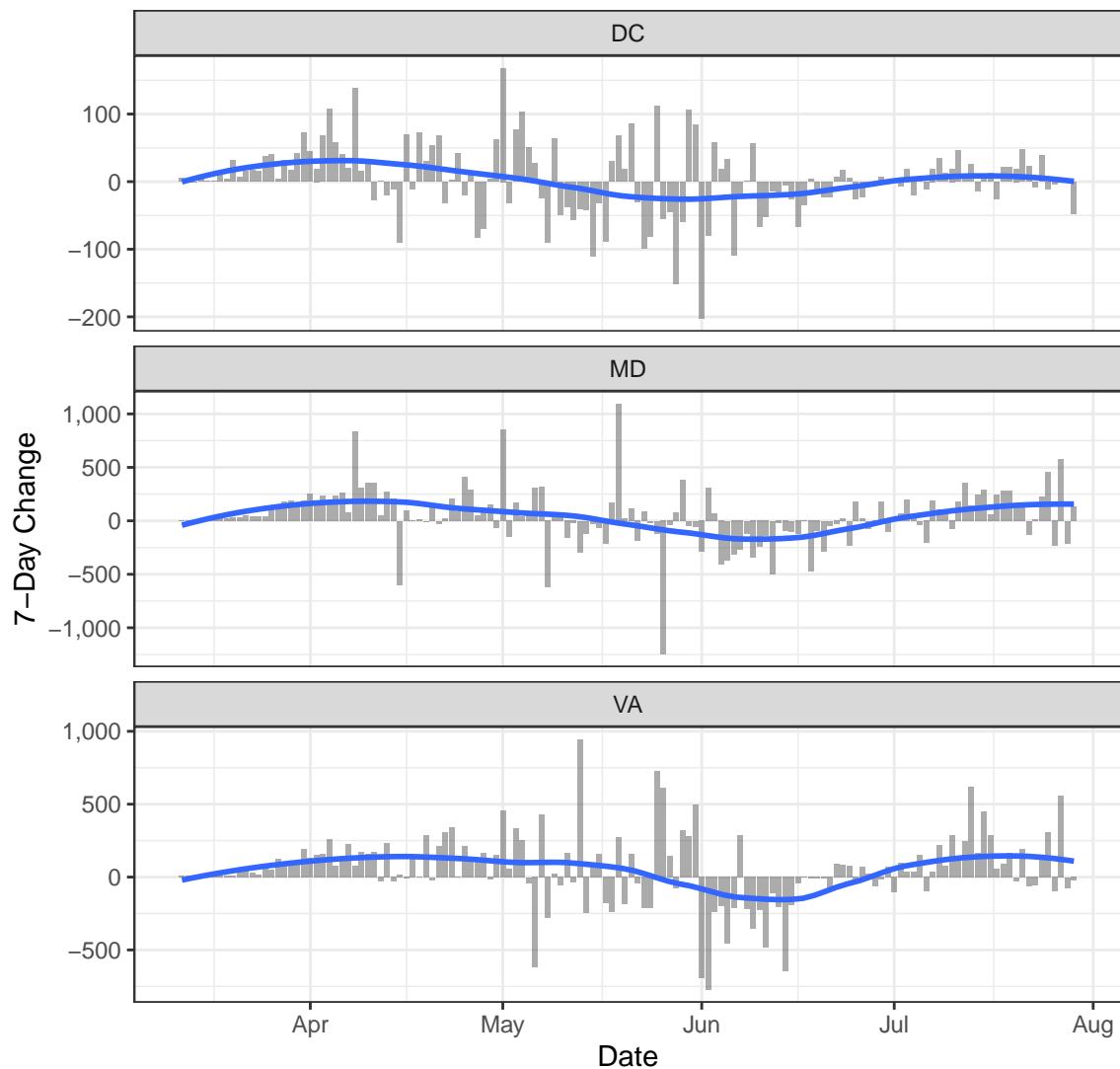
Cases

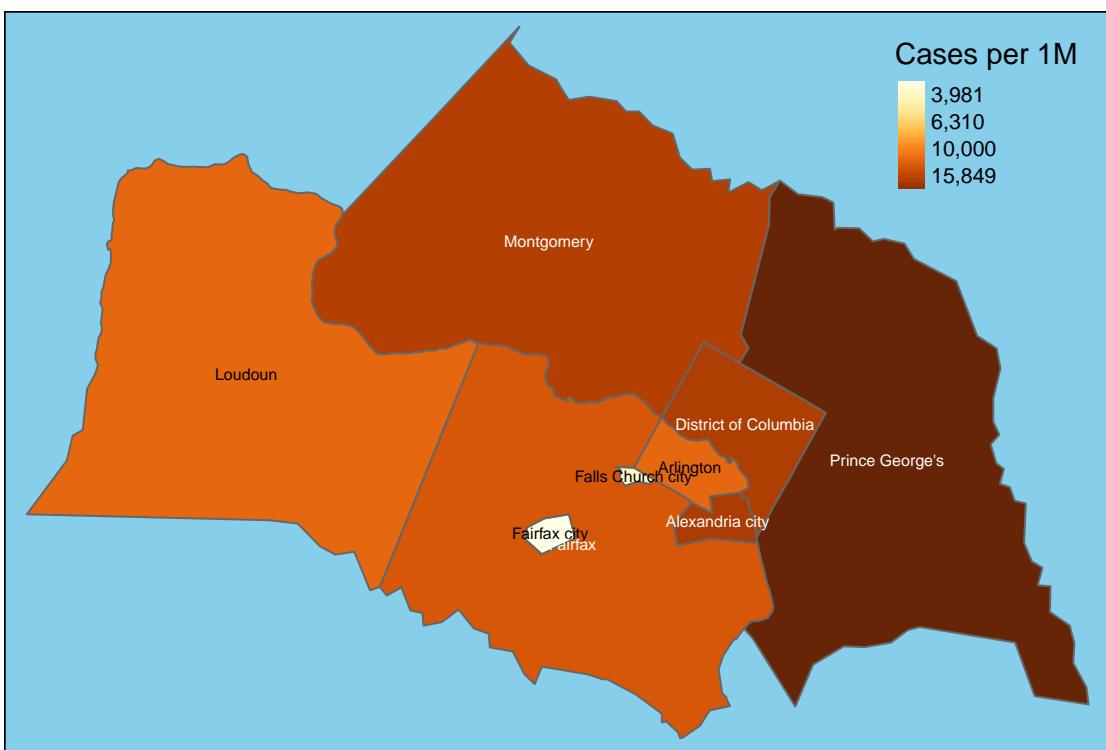
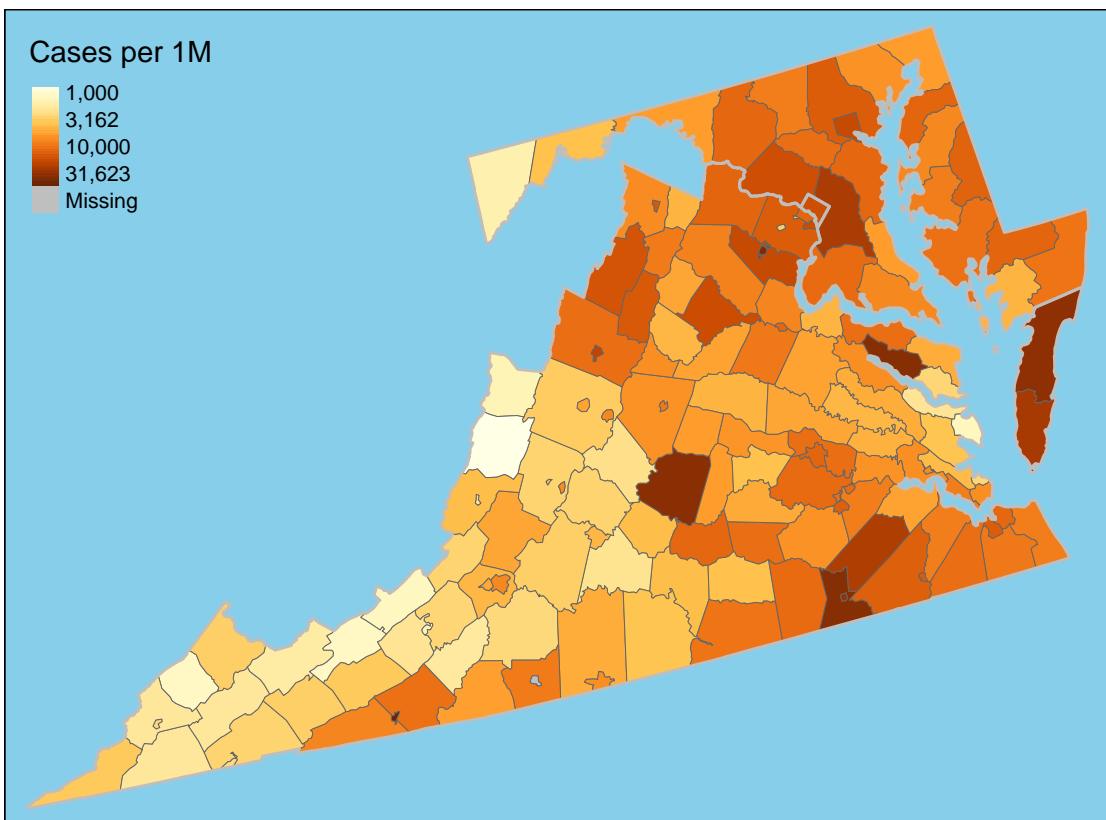


New Cases

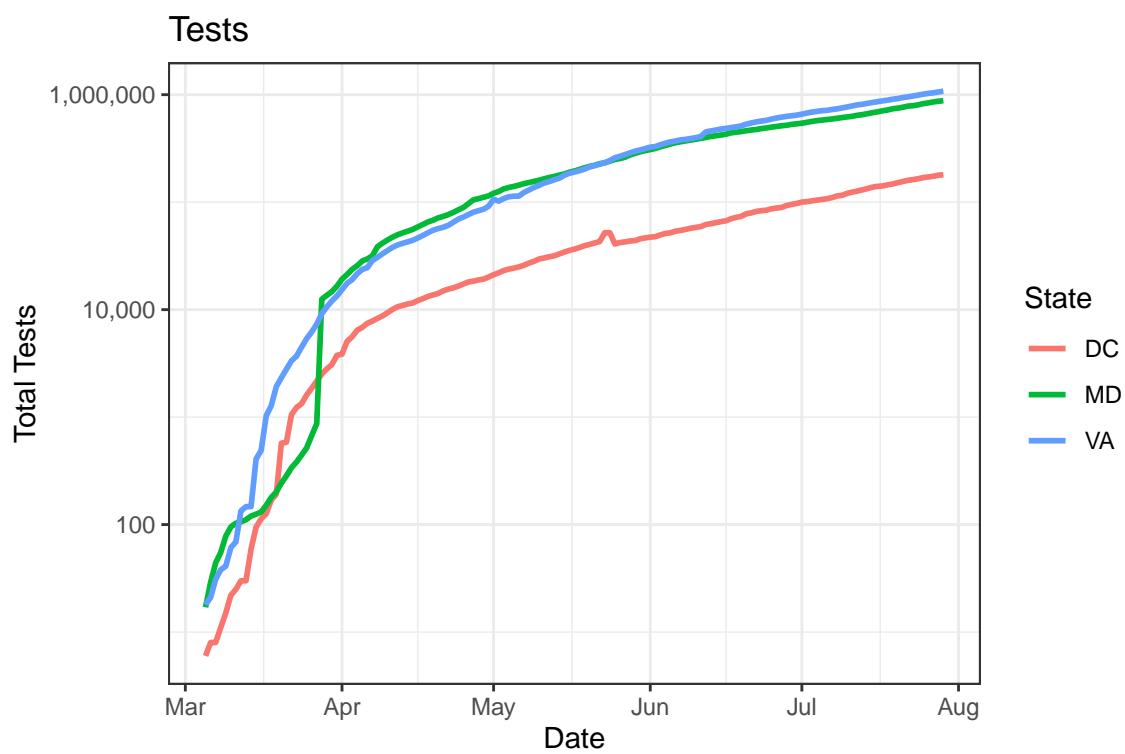


One-Week Change in Daily Cases

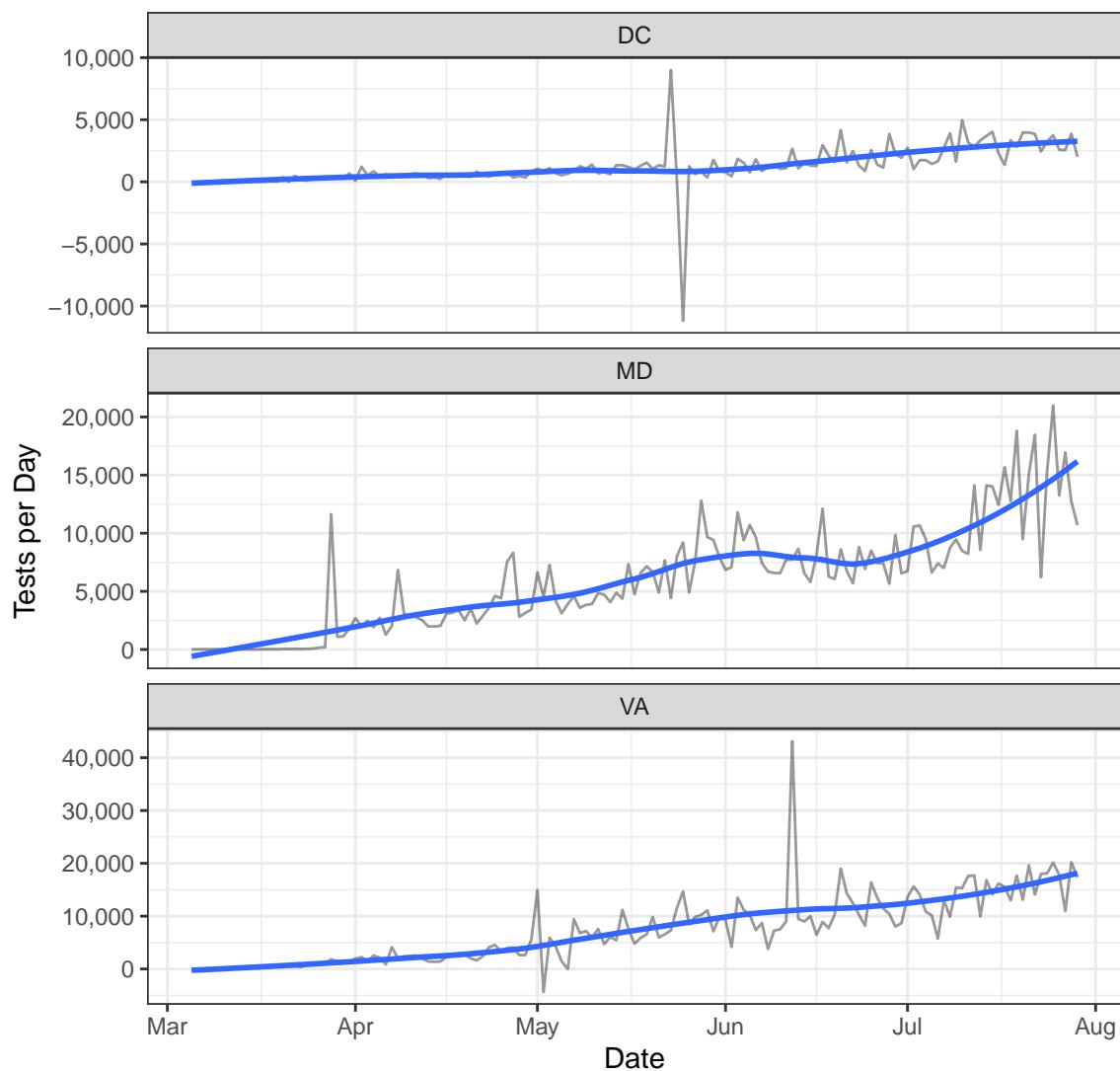




Testing



New Tests



Positive Test Rate

