

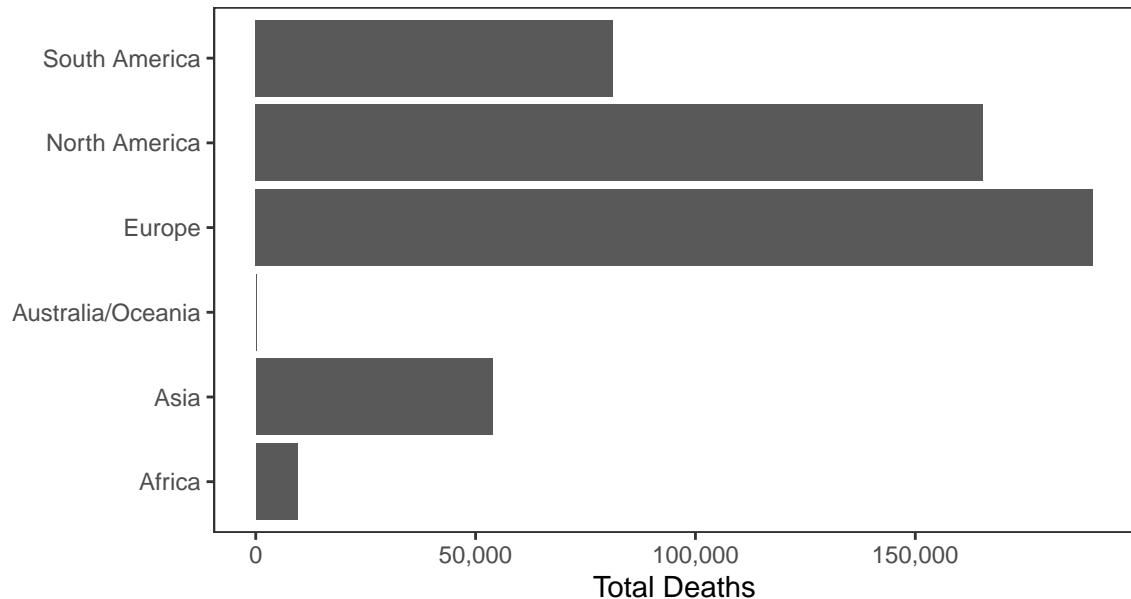
Erik's Covid-19 Chart Pack

Data updated 2020-06-28 19:07:03. 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 10,075,115 confirmed Covid-19 cases and 500,624 deaths worldwide.

Deaths



Cases

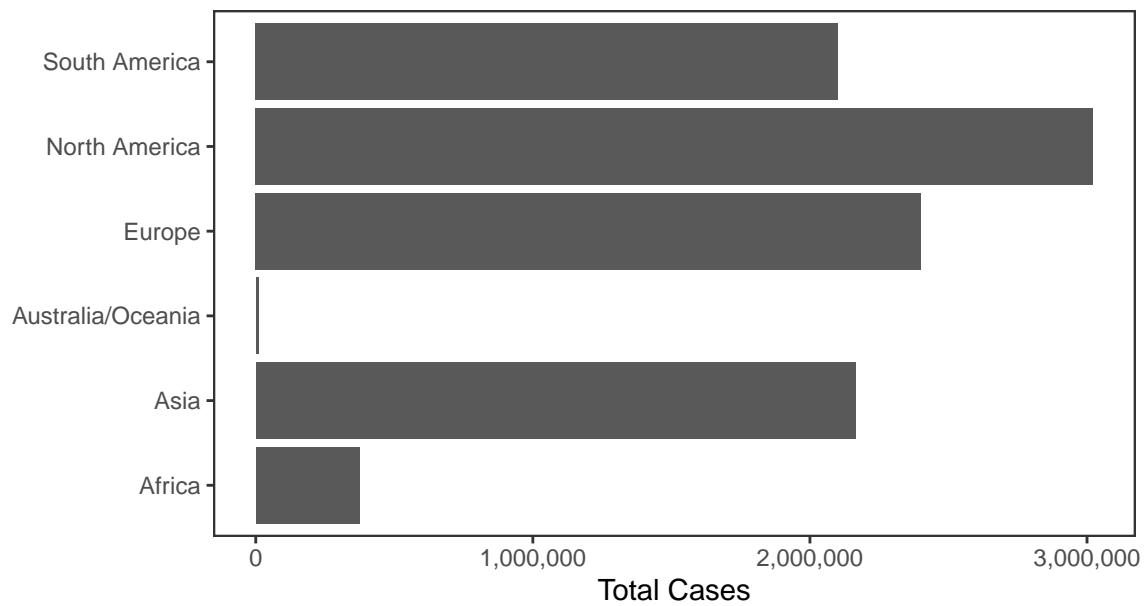
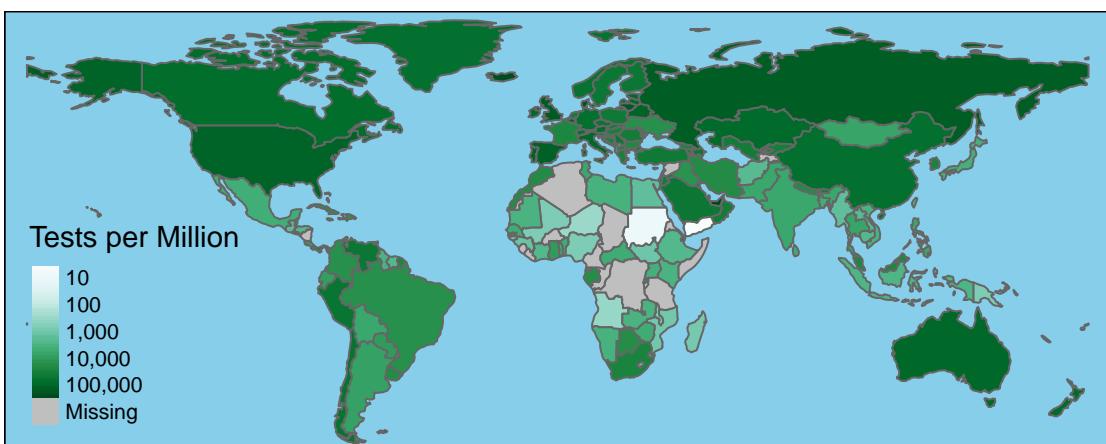
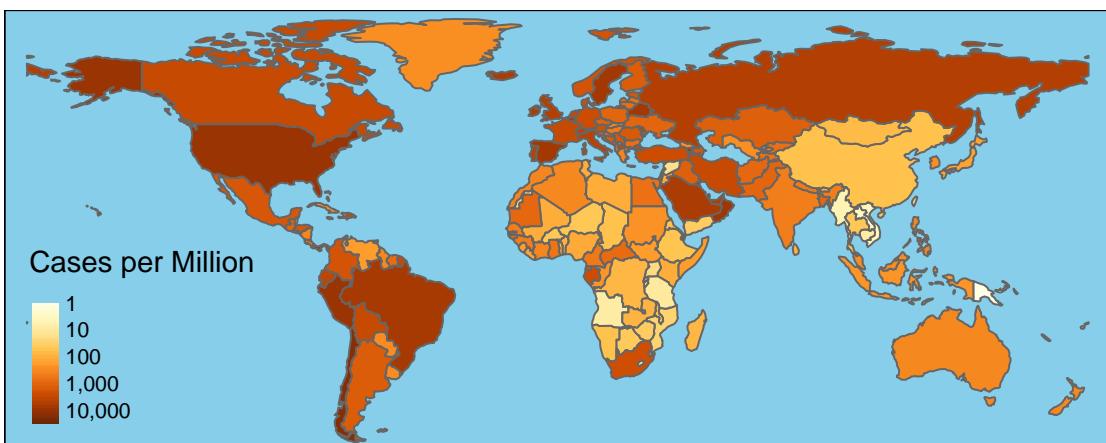
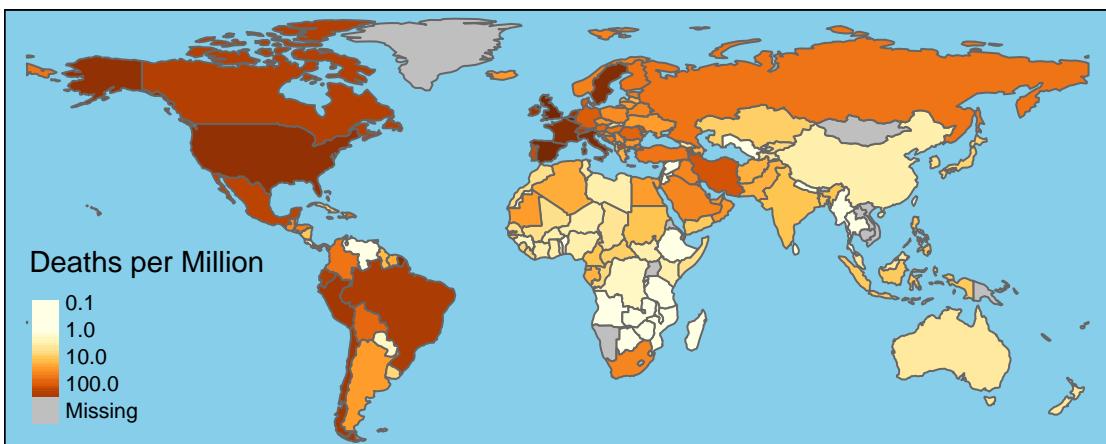


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,596,537	128,152	43,581	512
Brazil	1,315,941	57,103	35,887	994
Russia	627,646	8,969	6,852	188
India	529,577	16,103	20,131	414
UK	310,250	43,514	890	100
Spain	295,549	28,341	564	3
Peru	275,989	9,135	3,625	196
Chile	267,766	5,347	4,406	279
Italy	240,136	34,716	175	8
Iran	220,180	10,364	2,456	125
Mexico	208,392	25,779	5,441	719
Pakistan	198,883	4,035	3,138	73
Turkey	195,883	5,082	1,372	17
Germany	194,689	9,026	290	0
Saudi Arabia	178,504	1,511	3,927	37
France	162,936	29,778	0	0
Bangladesh	133,978	1,695	3,504	34
South Africa	131,800	2,413	7,210	73
Canada	103,032	8,516	238	8
Qatar	93,663	110	879	1



National Data

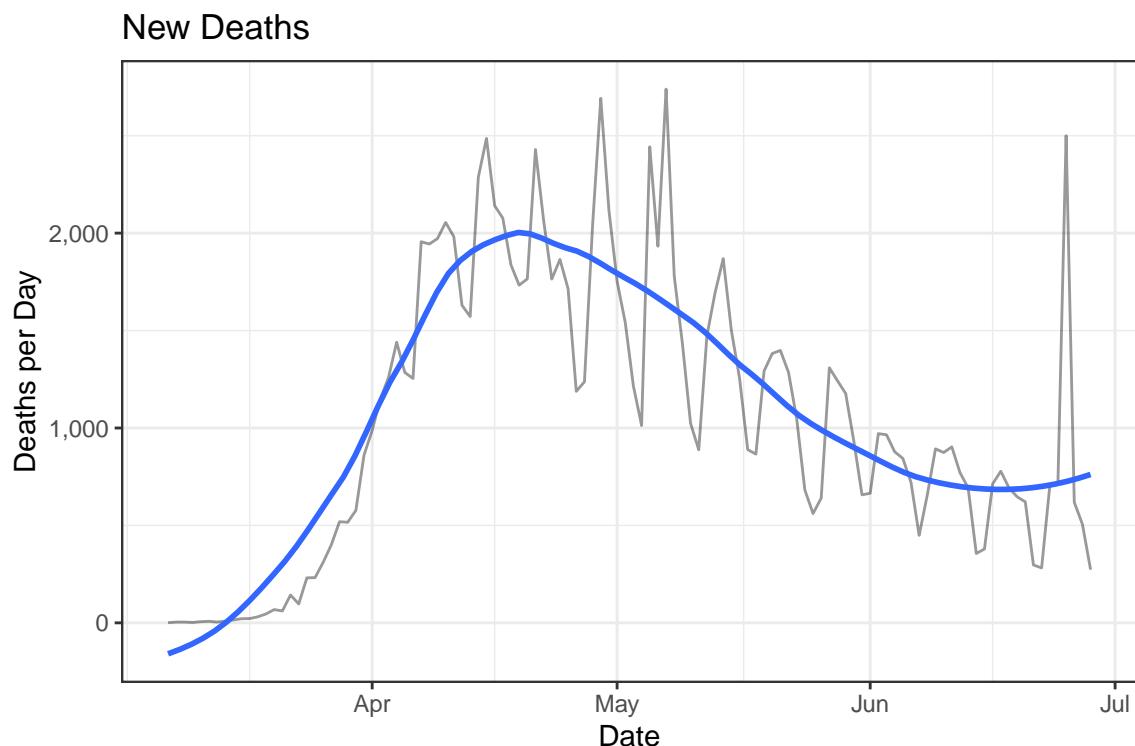
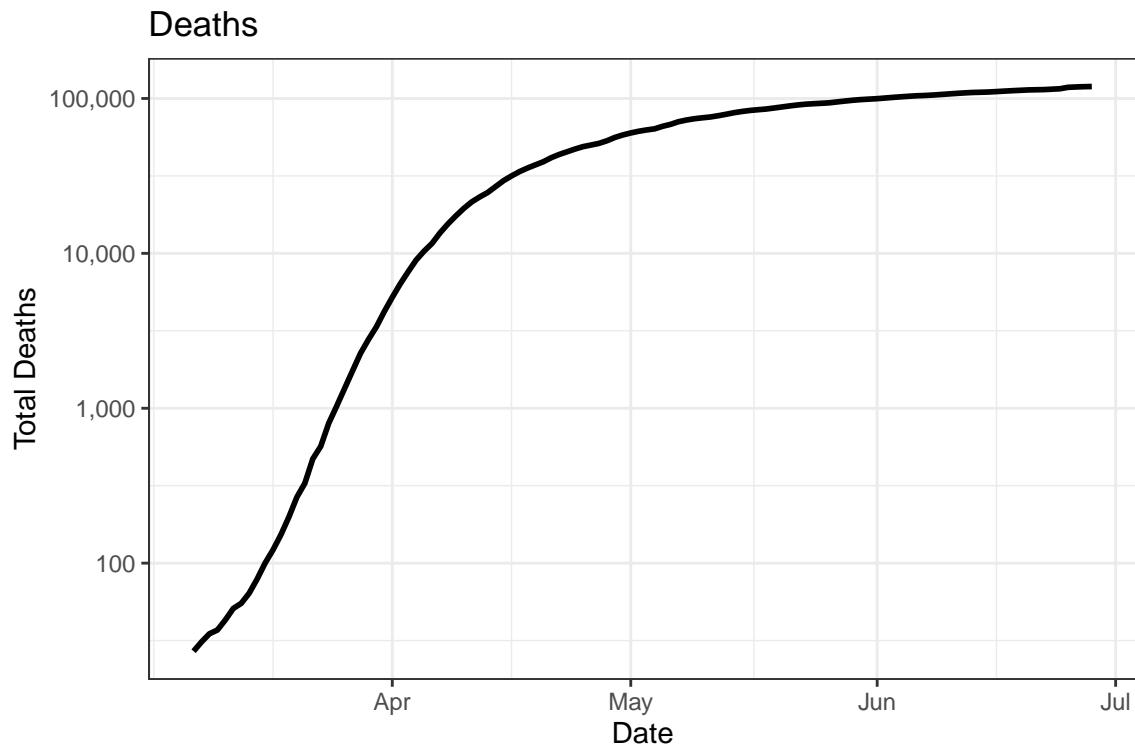
There have been 2,540,983 confirmed Covid-19 cases and 119,429 deaths in the United States.

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

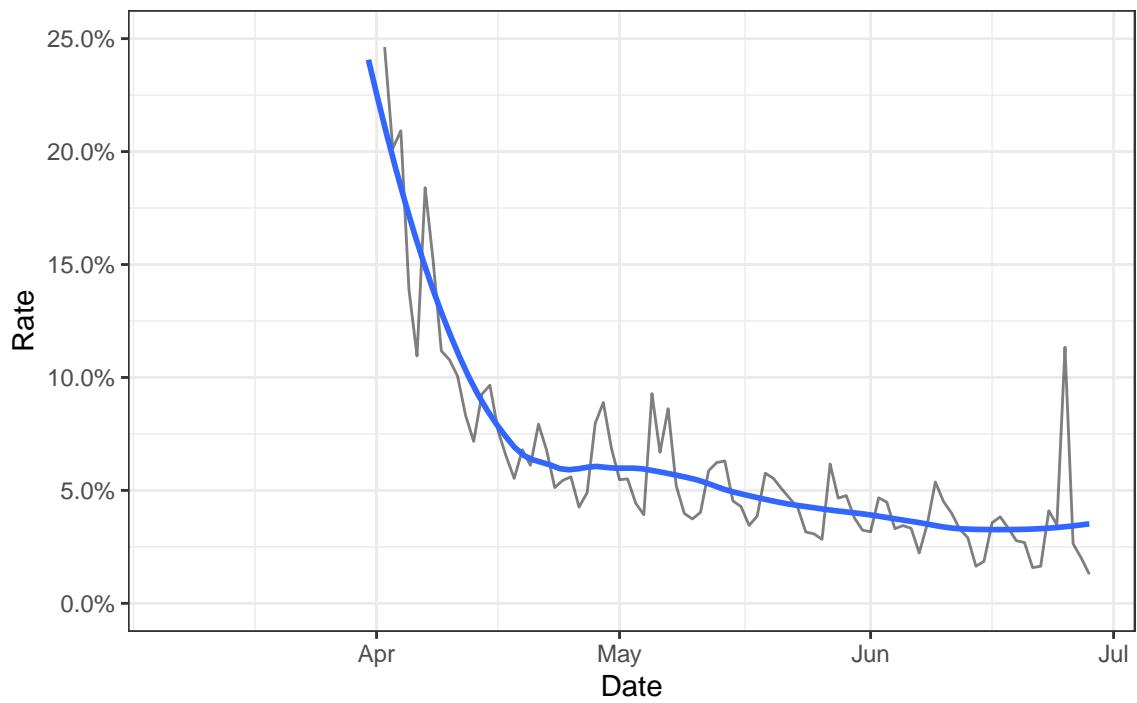
Date	Cases	Deaths	New Cases	New Deaths
2020-06-28	2,540,983	119,429	42,161	273
2020-06-27	2,498,822	119,156	43,471	506
2020-06-26	2,455,351	118,650	44,373	619
2020-06-25	2,410,978	118,031	39,061	2,500
2020-06-24	2,371,917	115,531	38,706	722
2020-06-23	2,333,211	114,809	33,018	703
2020-06-22	2,300,193	114,106	27,050	282
2020-06-21	2,273,143	113,824	27,287	297
2020-06-20	2,245,856	113,527	31,958	621
2020-06-19	2,213,898	112,906	31,055	647
2020-06-18	2,182,843	112,259	27,512	693
2020-06-17	2,155,331	111,566	23,871	778
2020-06-16	2,131,460	110,788	23,638	713
2020-06-15	2,107,822	110,075	18,655	379

Deaths

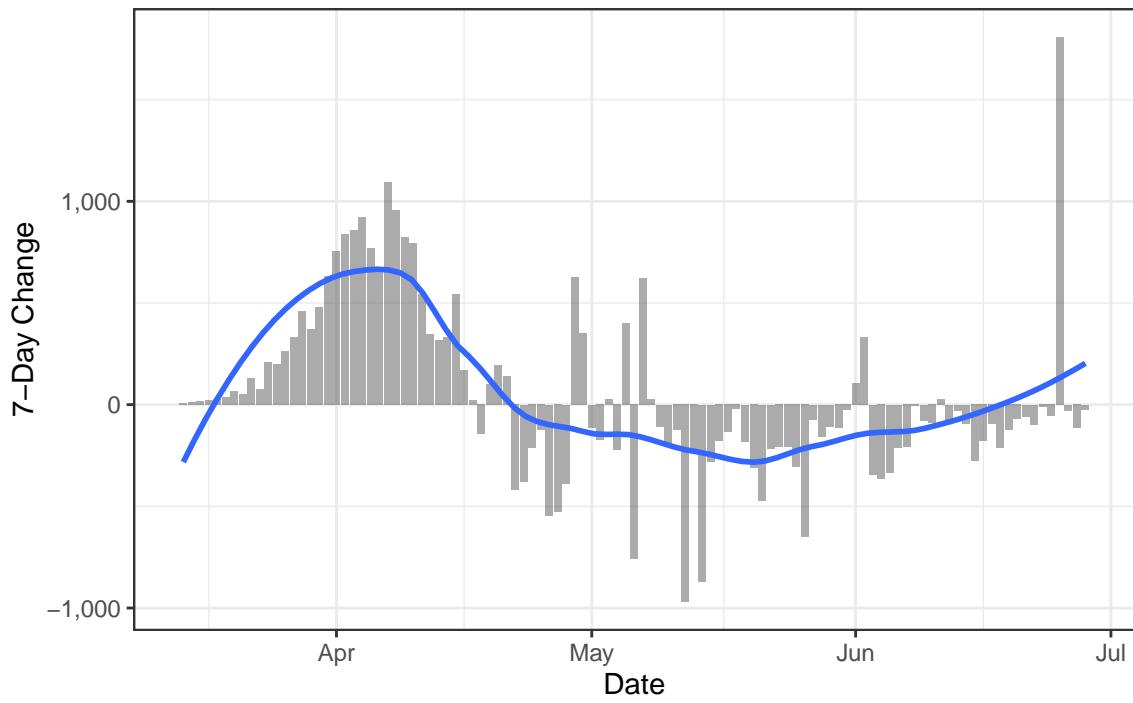
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator 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.

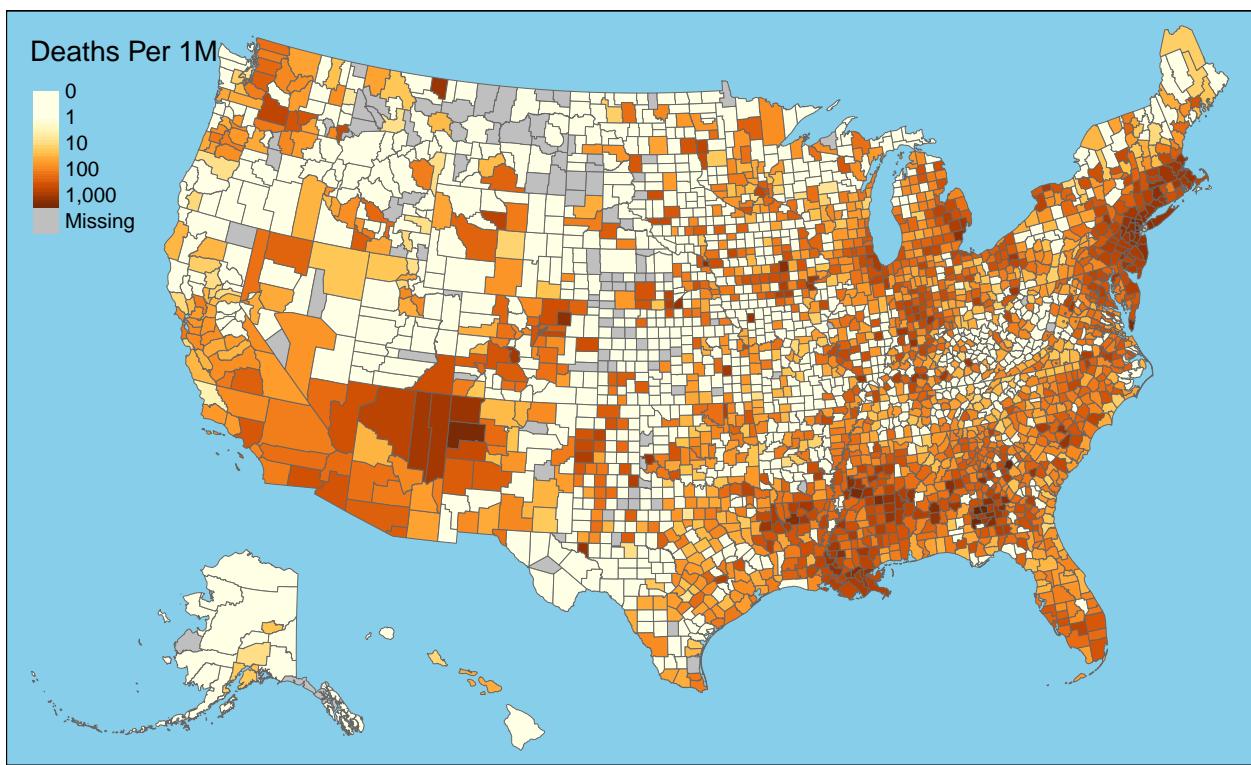


Daily Case Mortality Rate



One-Week Change in Daily Deaths

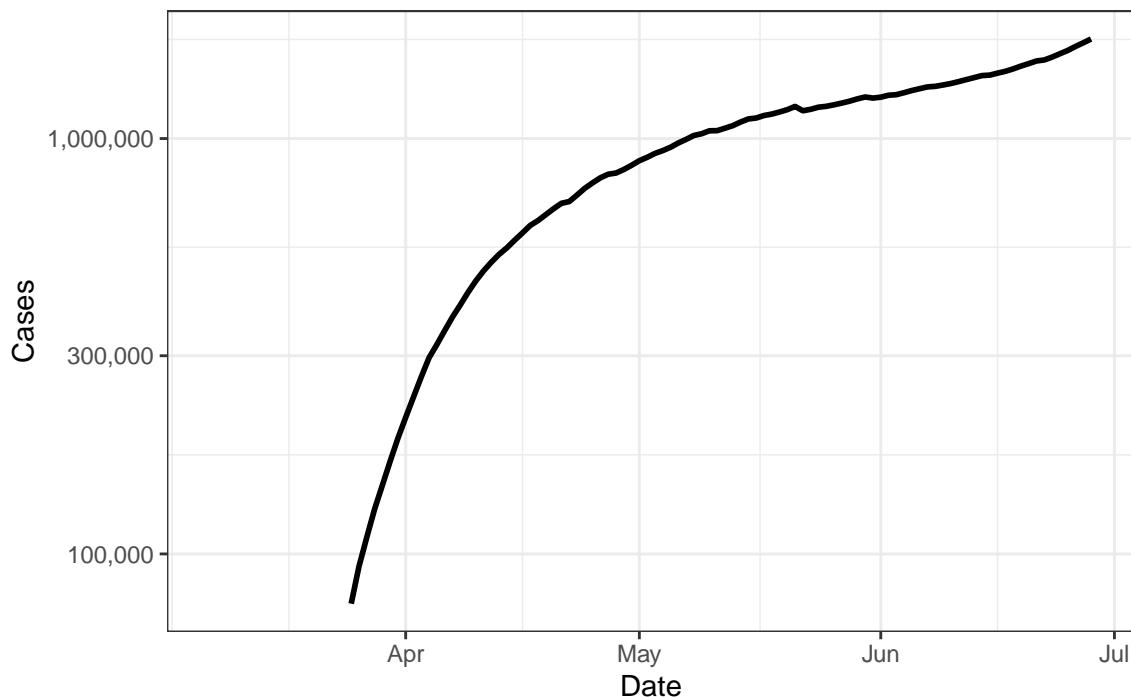




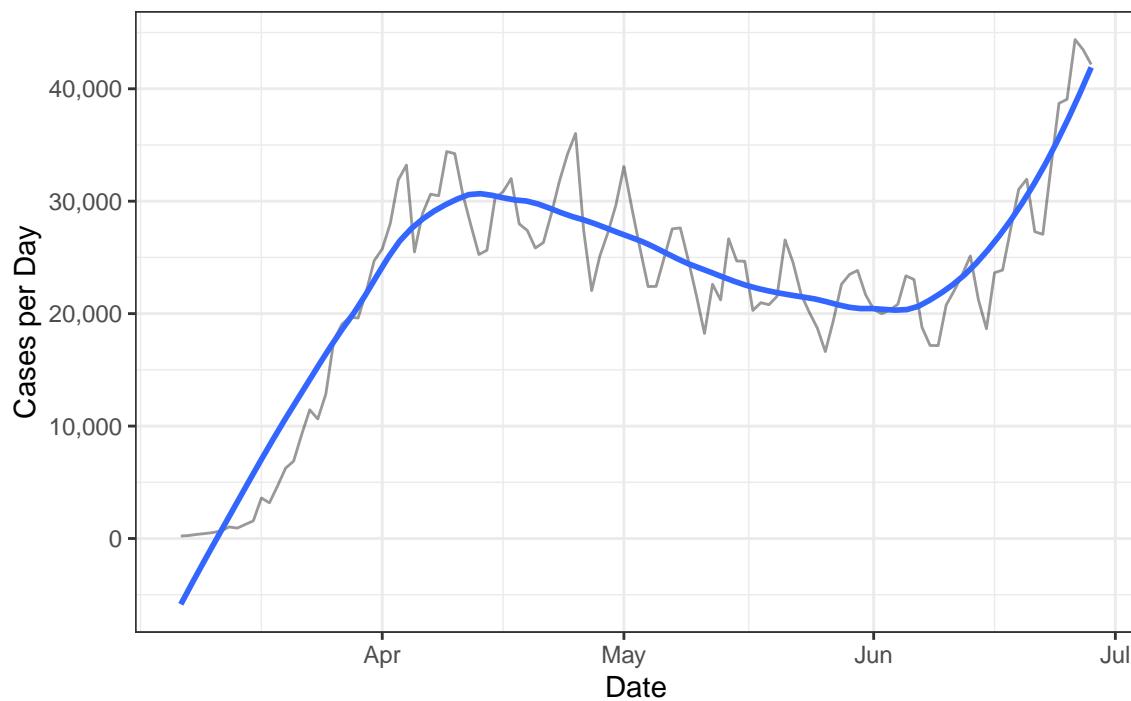
Cases

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

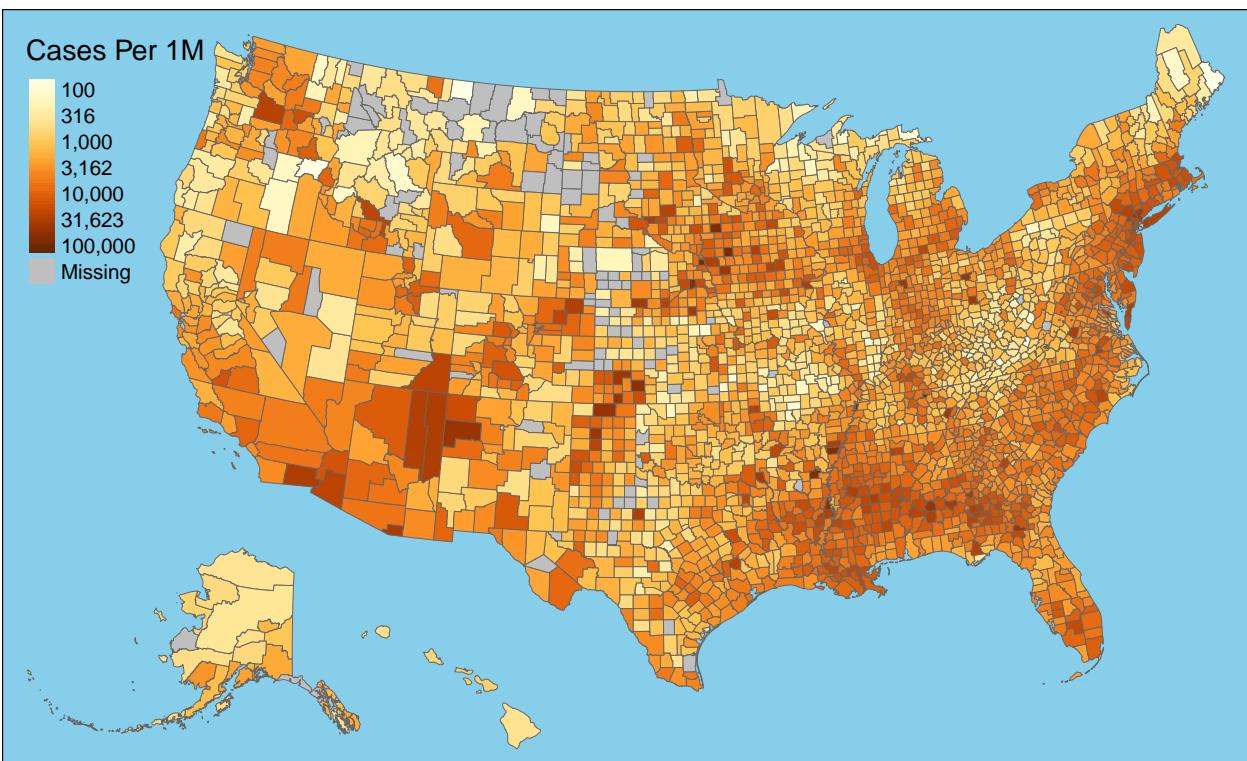
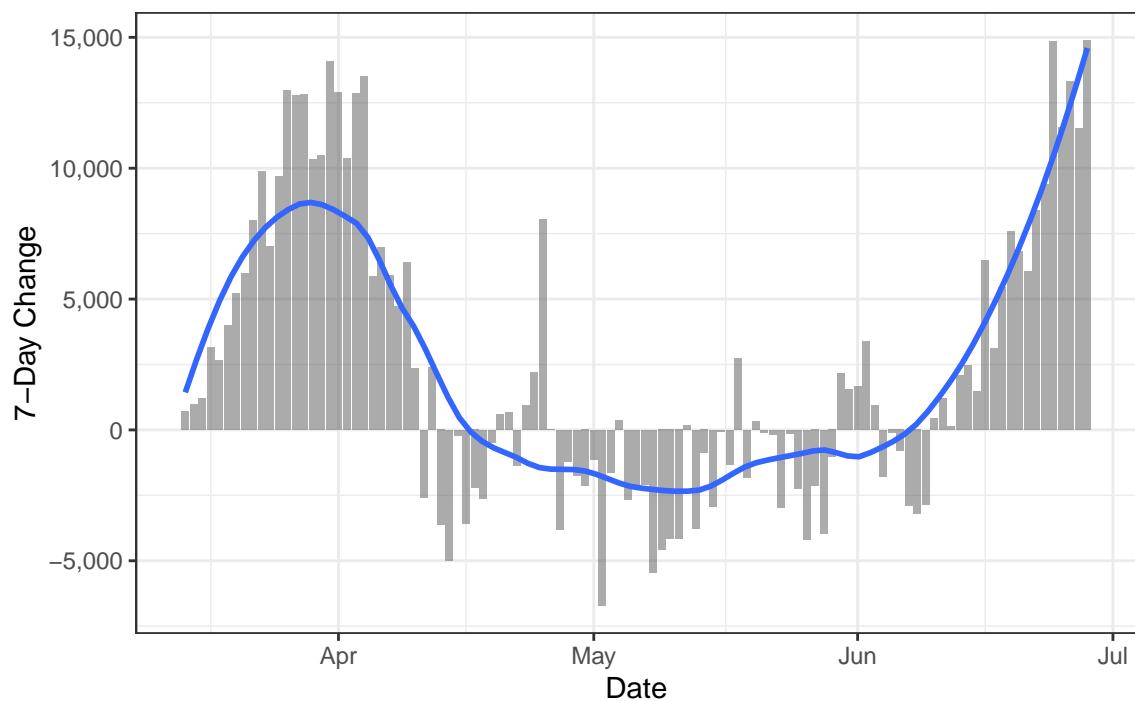
Active Cases



New Cases

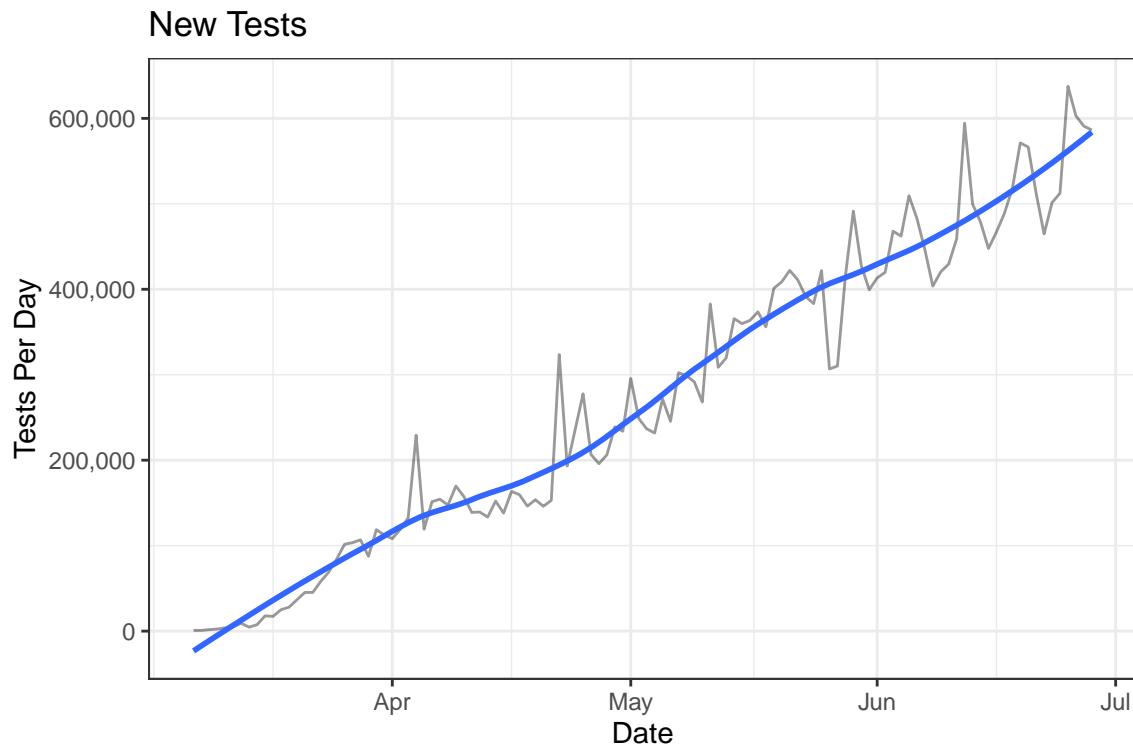
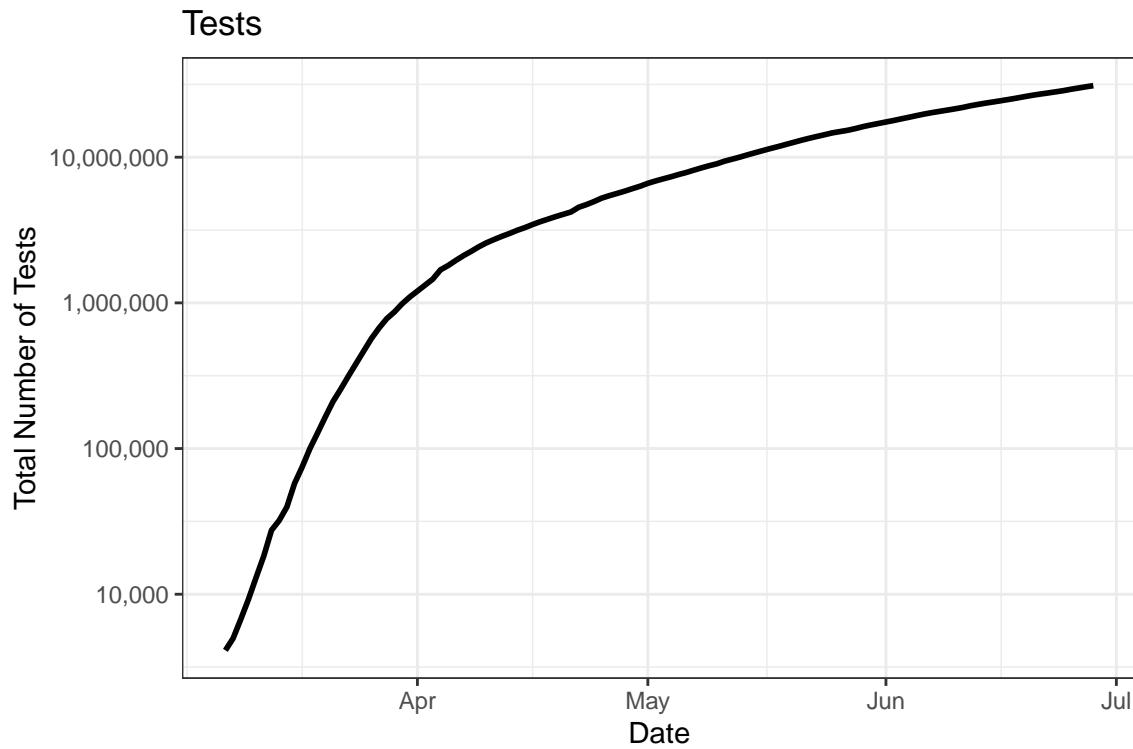


One-Week Change in Daily Cases

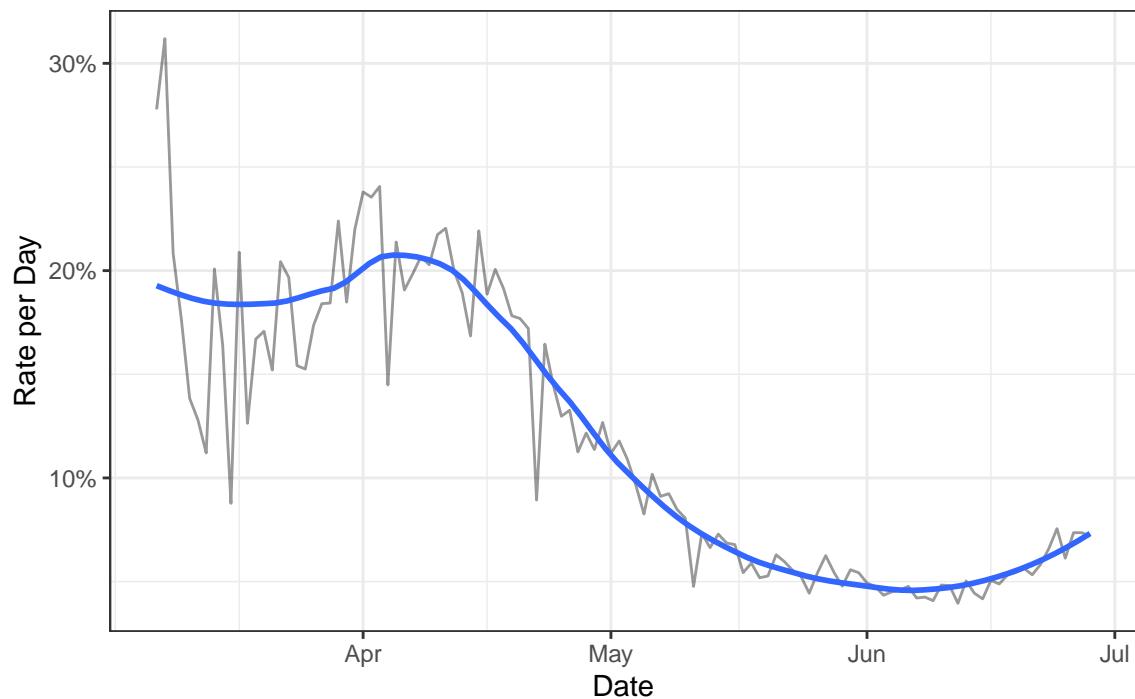


Testing

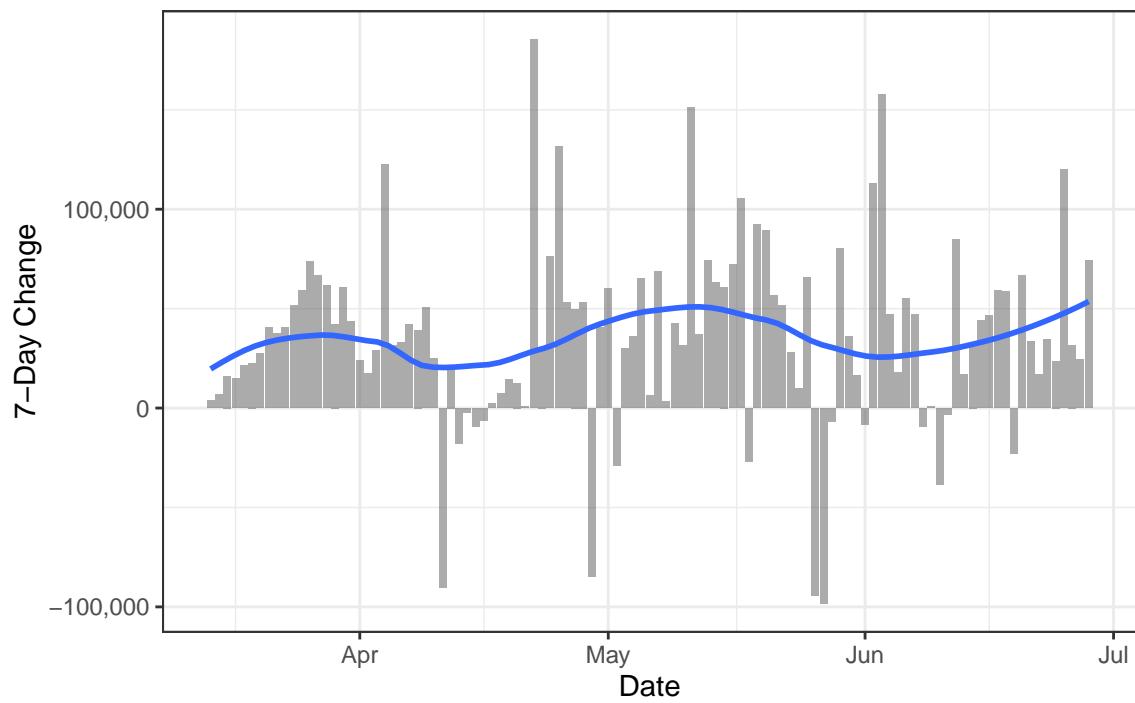
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

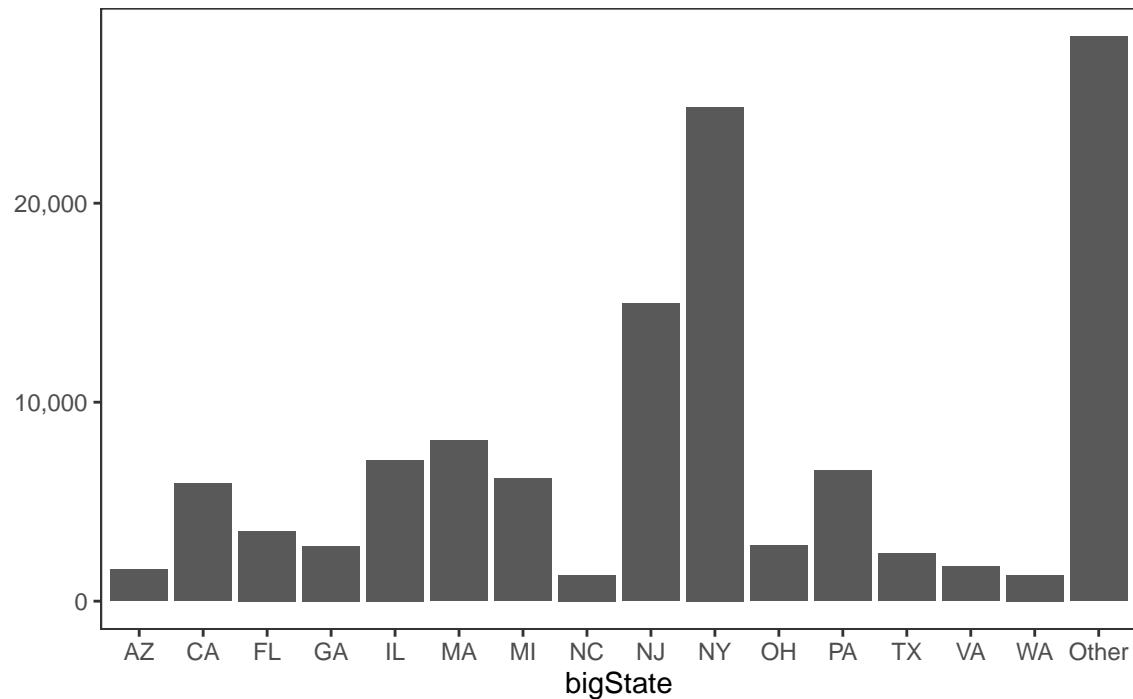


State Data

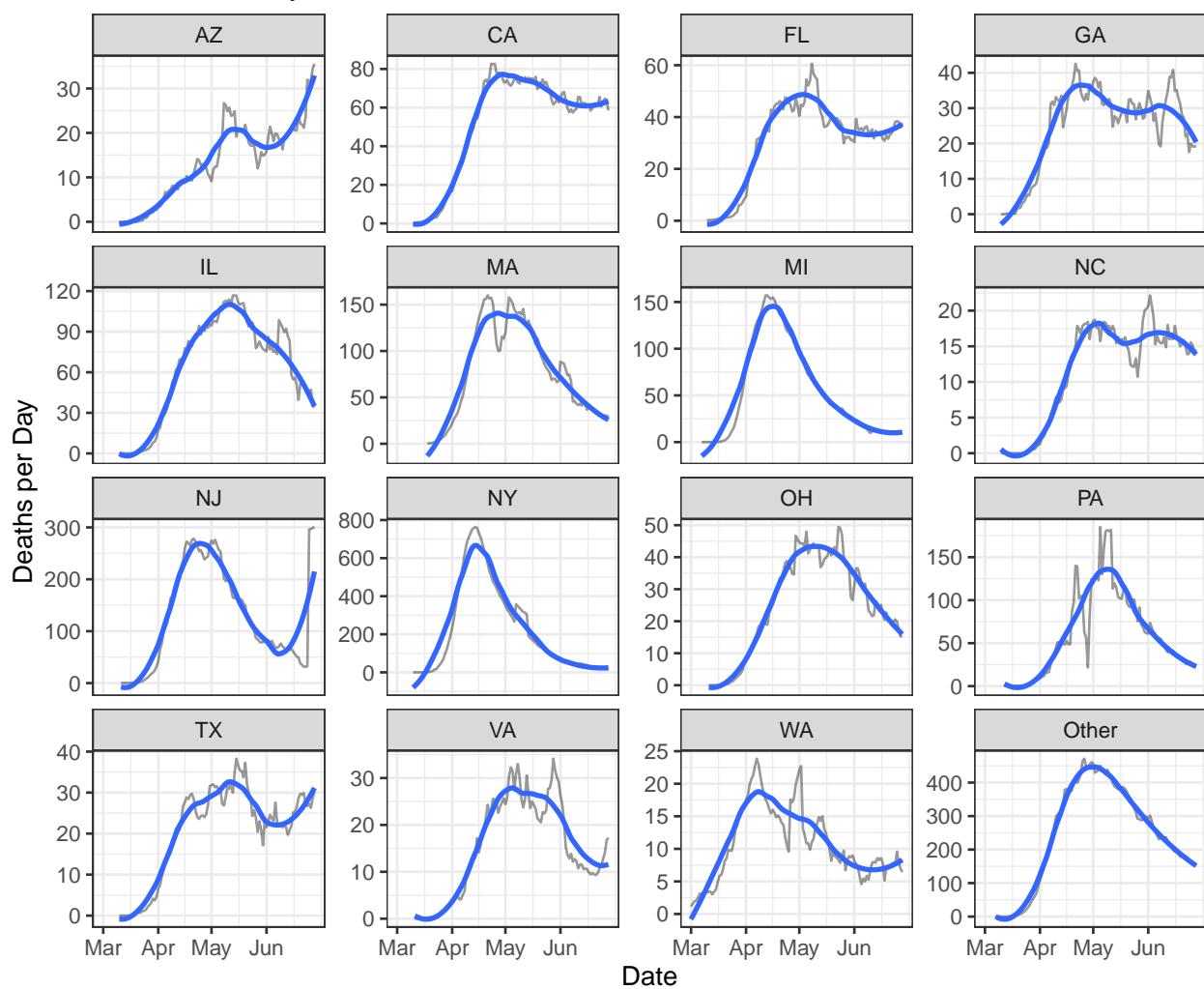
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

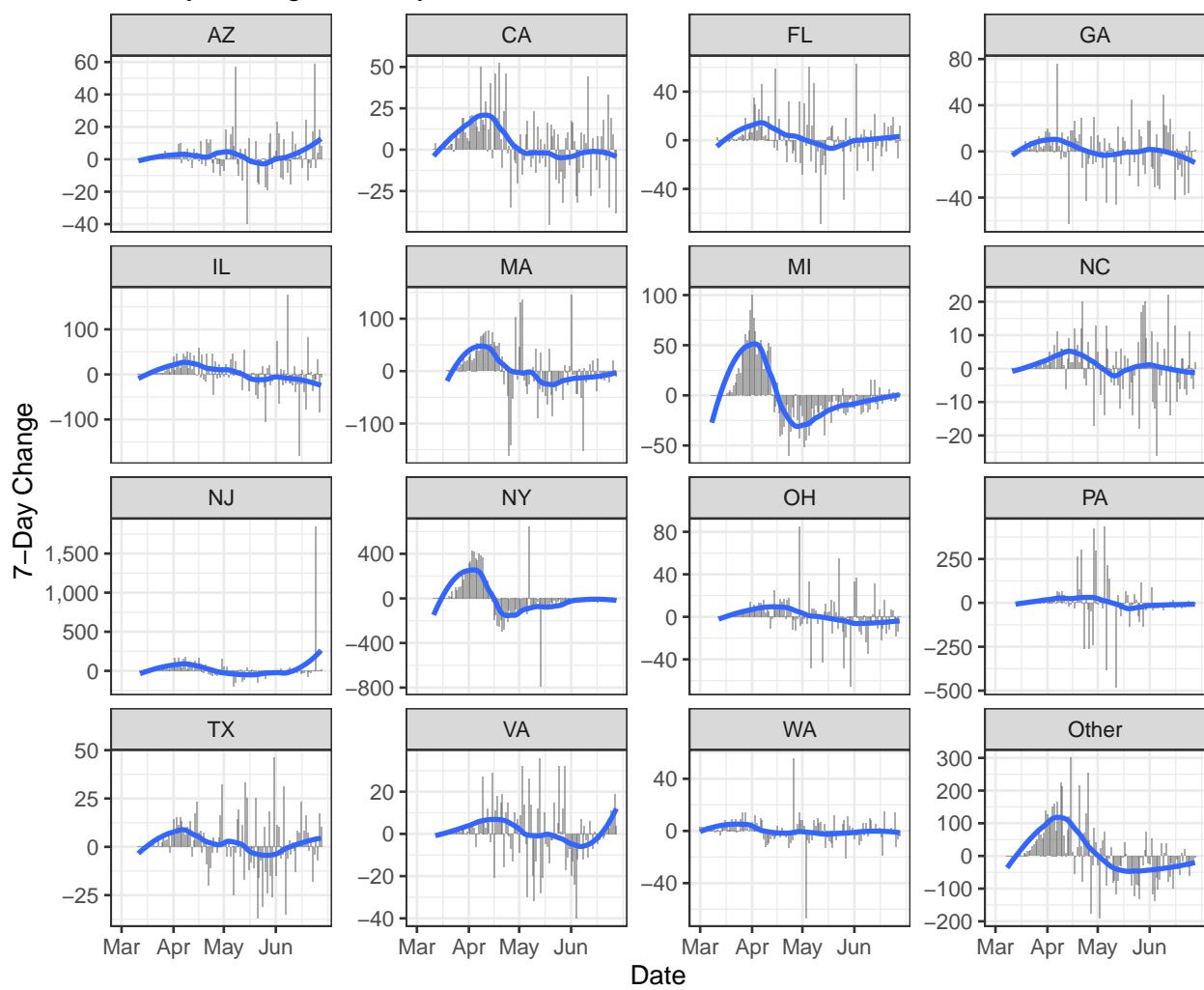
Deaths by State

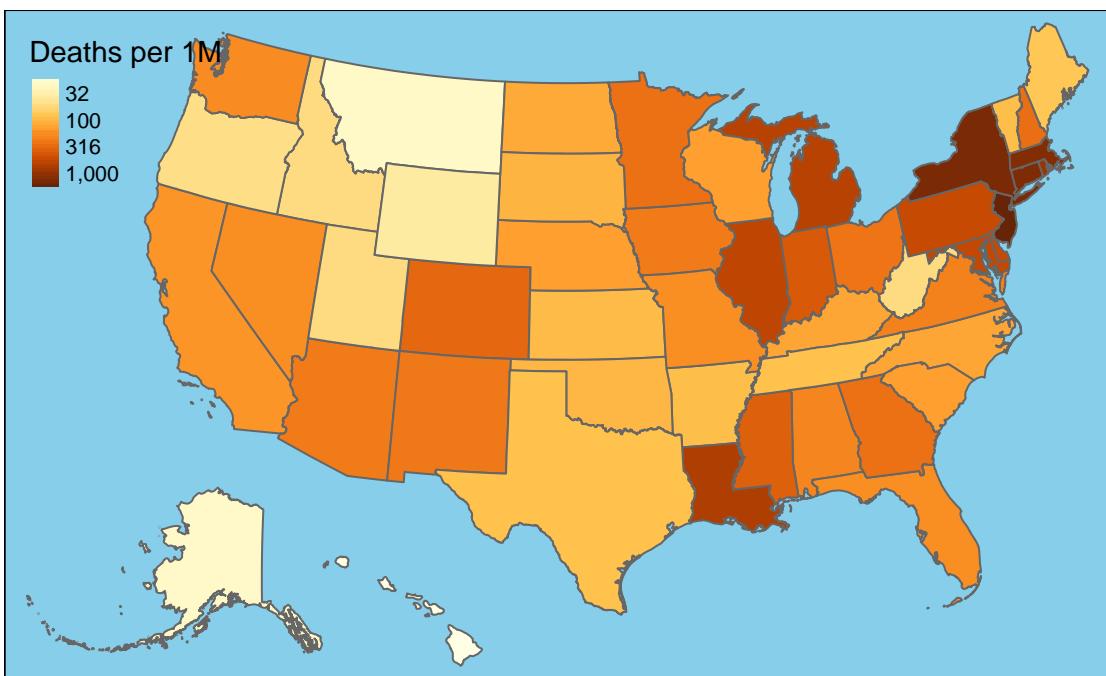
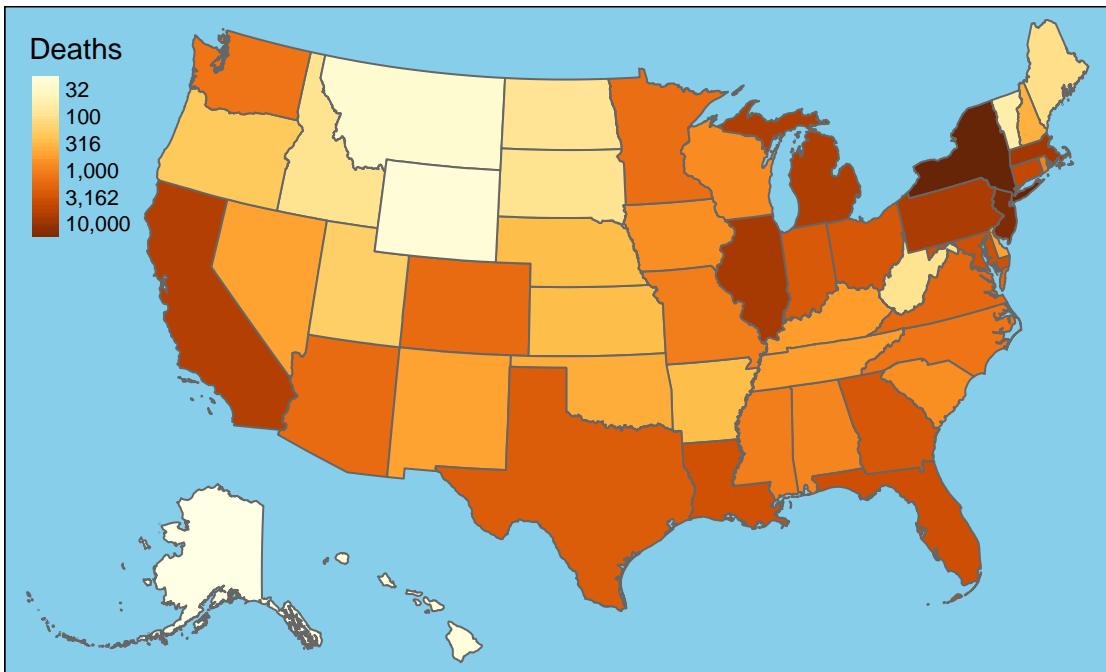


New Deaths by State



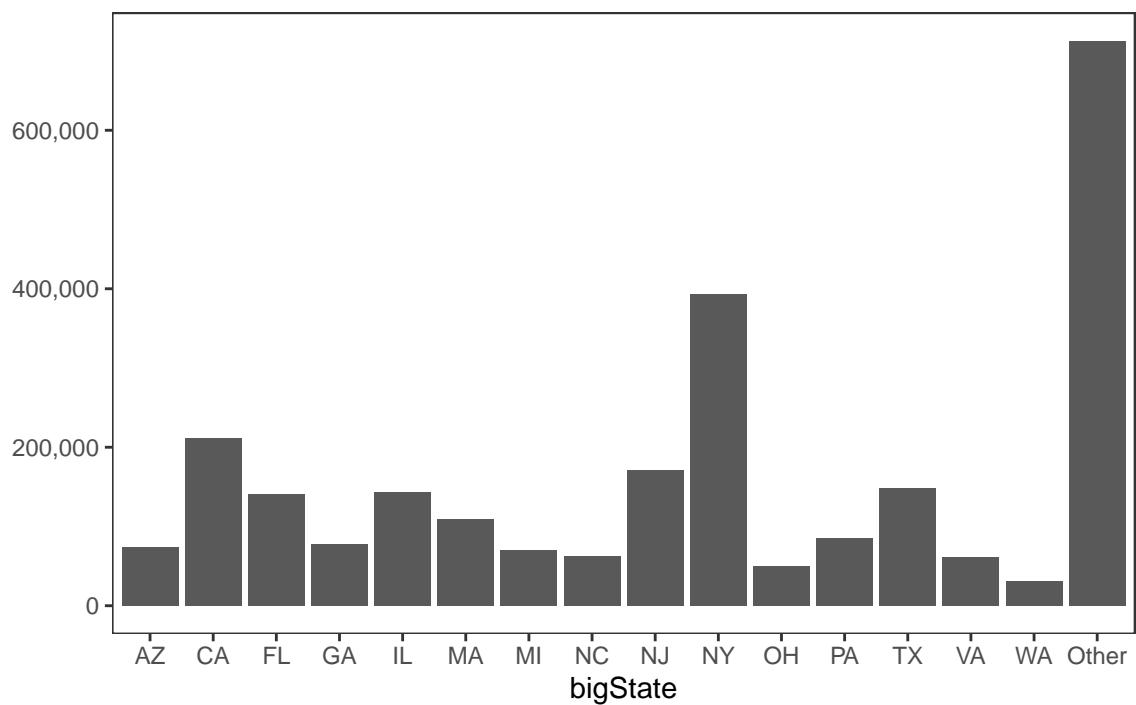
7-Day Change in Daily Deaths



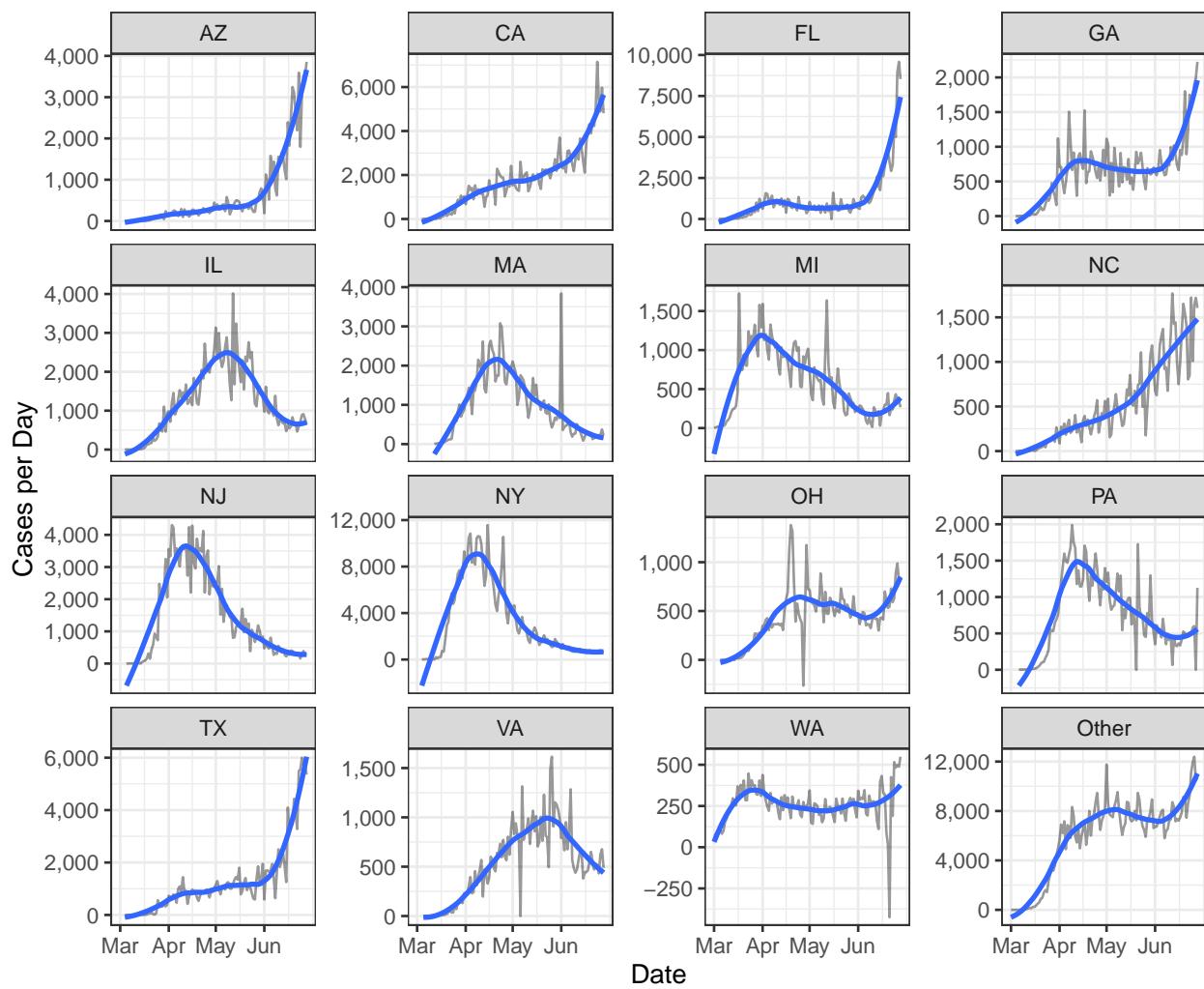


Cases

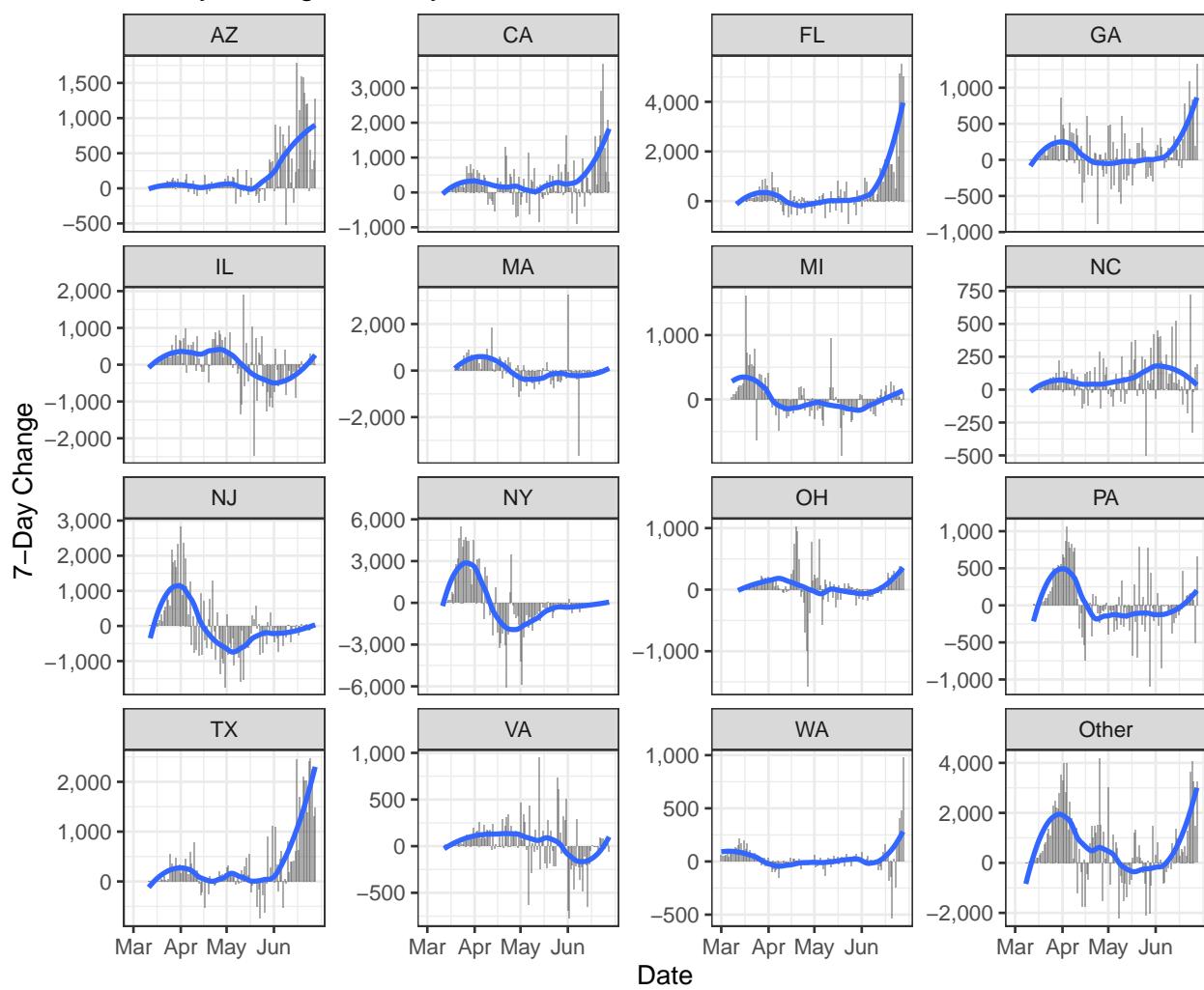
Cases by State

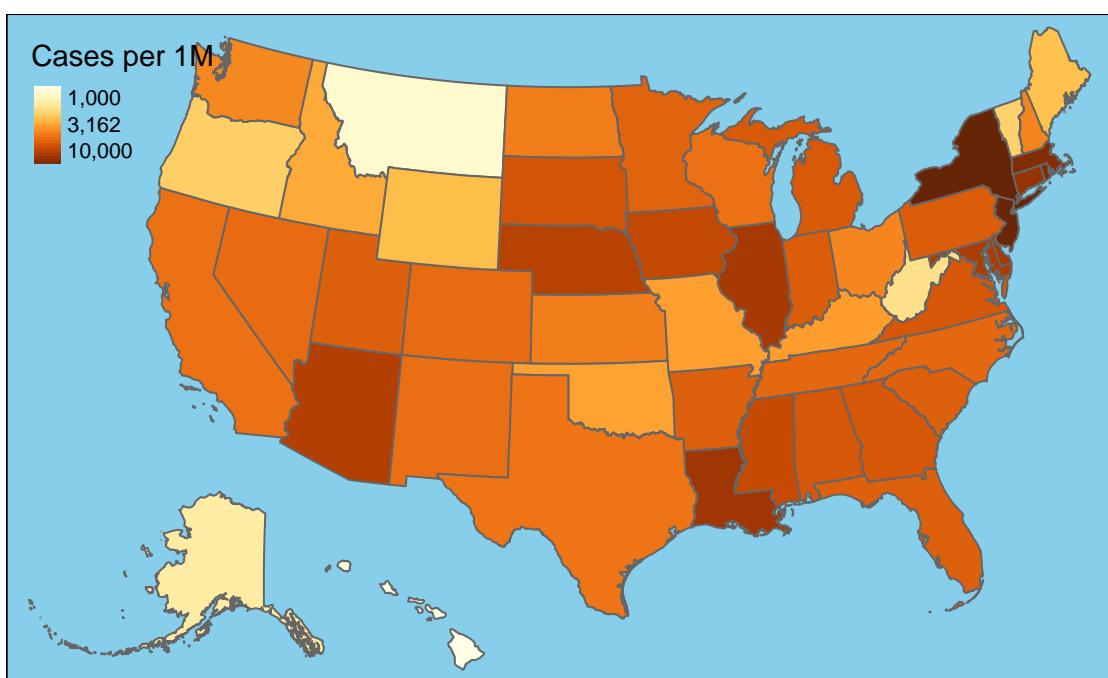
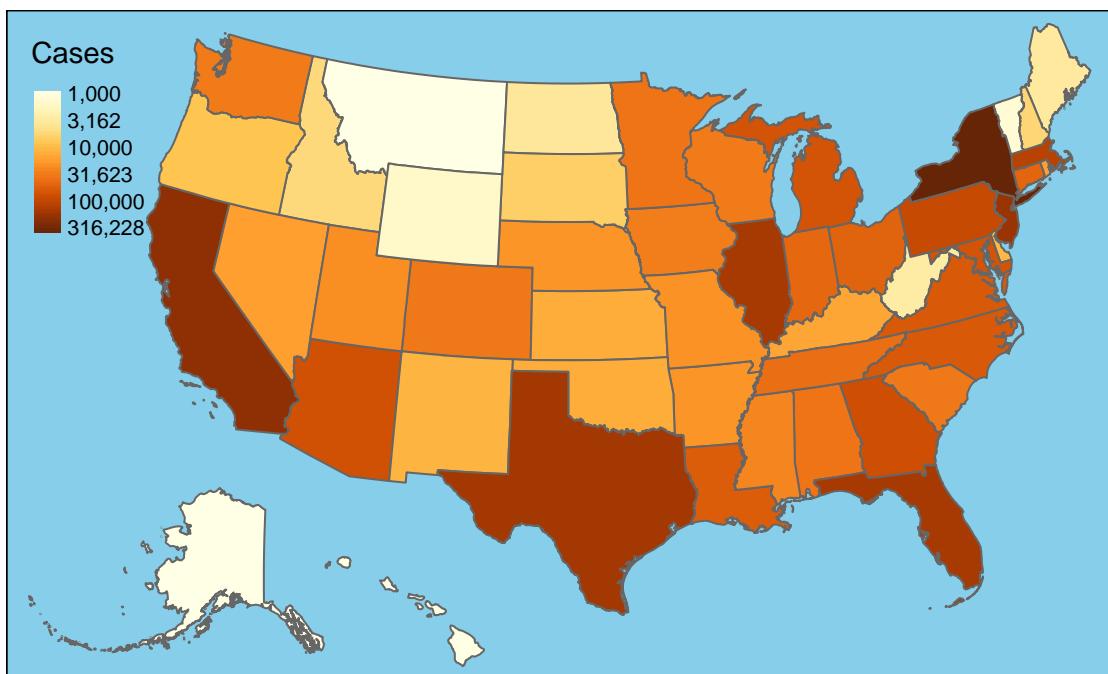


New Cases by State

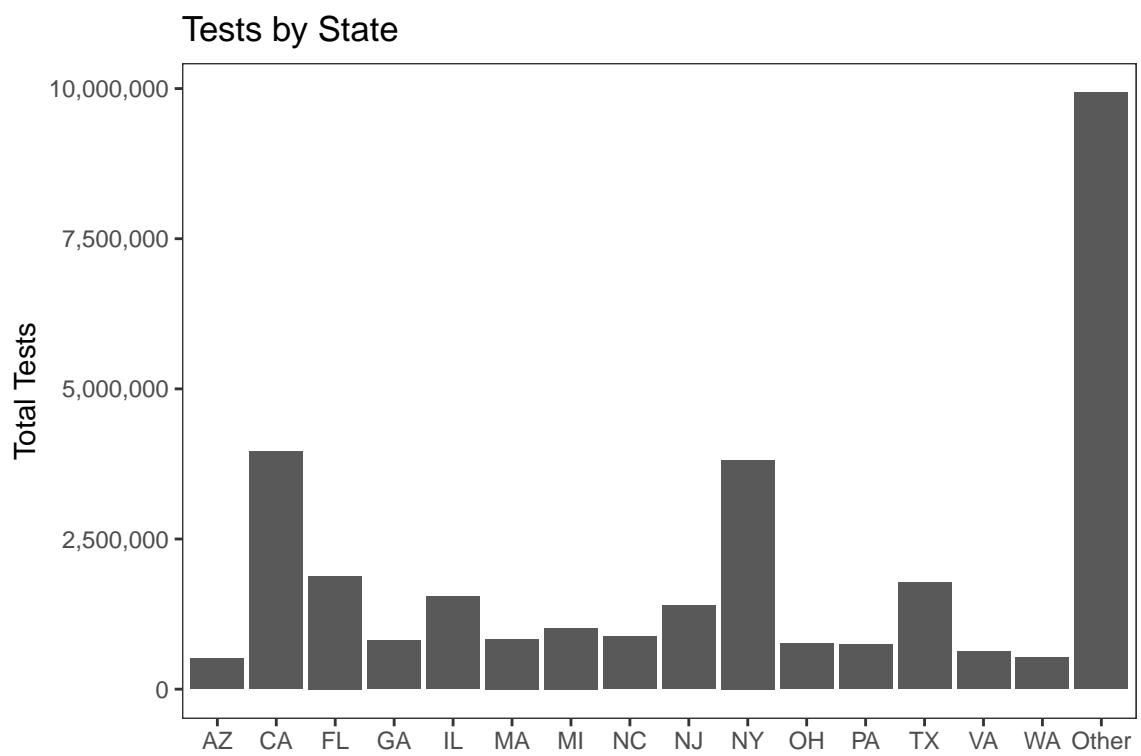


7-Day Change in Daily Cases

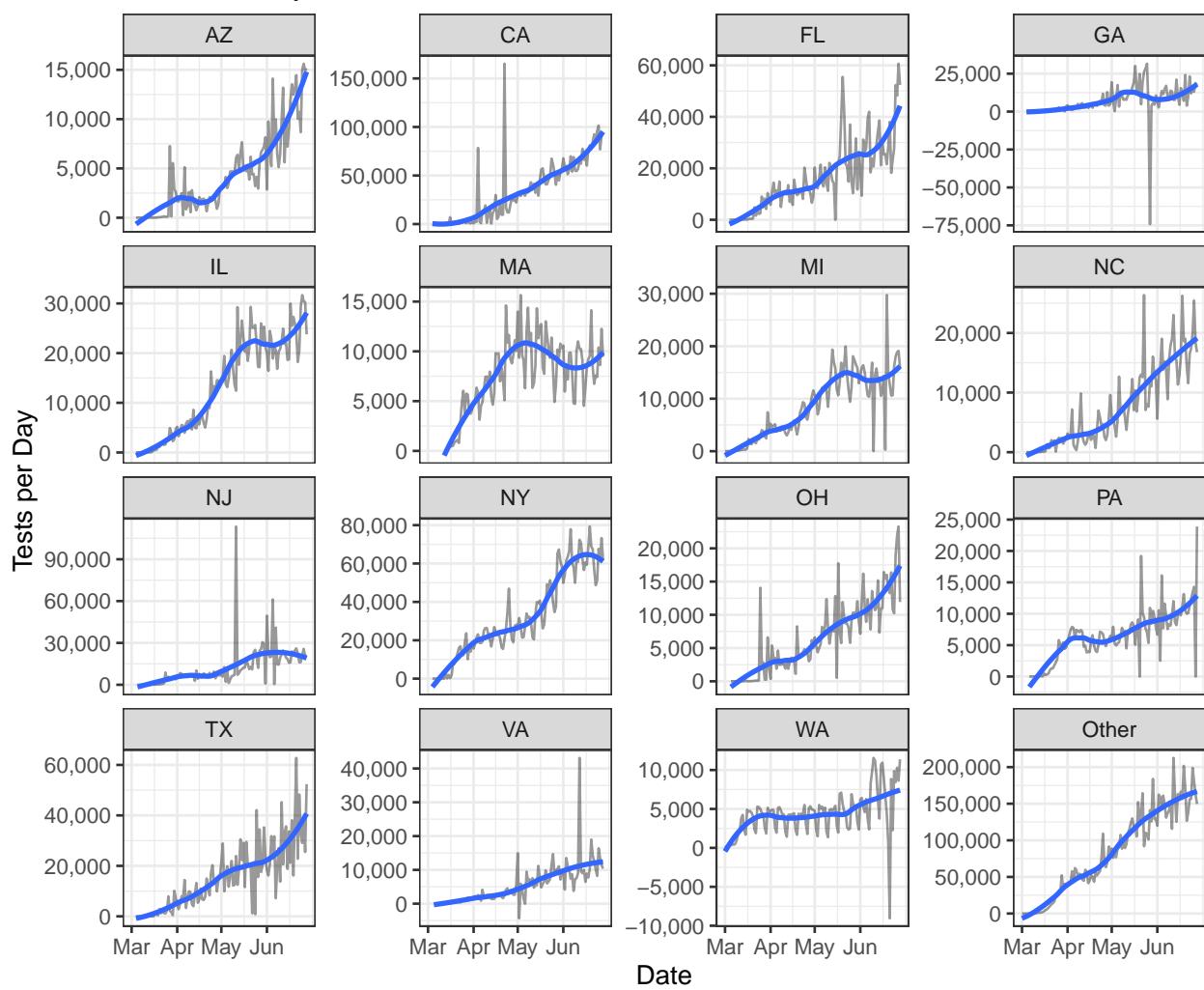


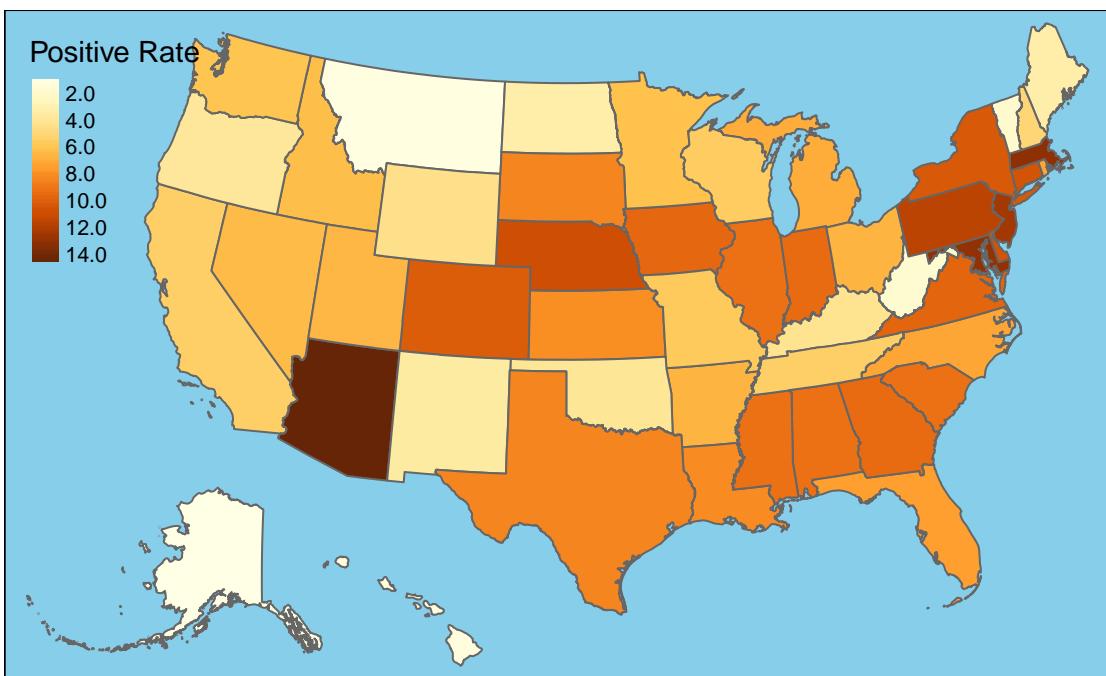
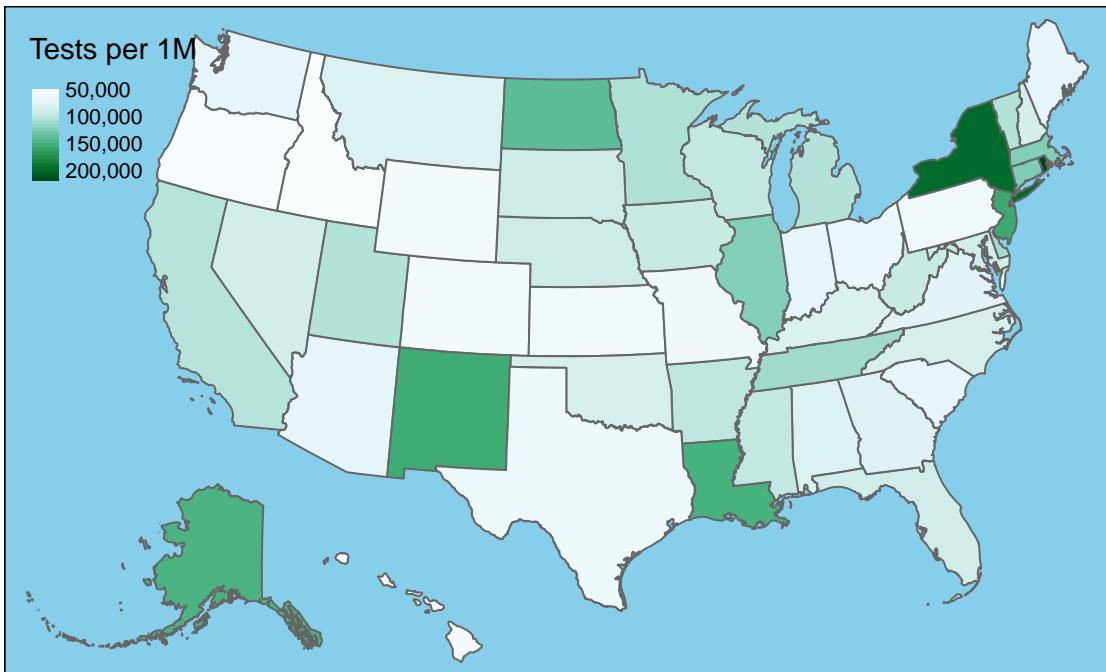


Testing



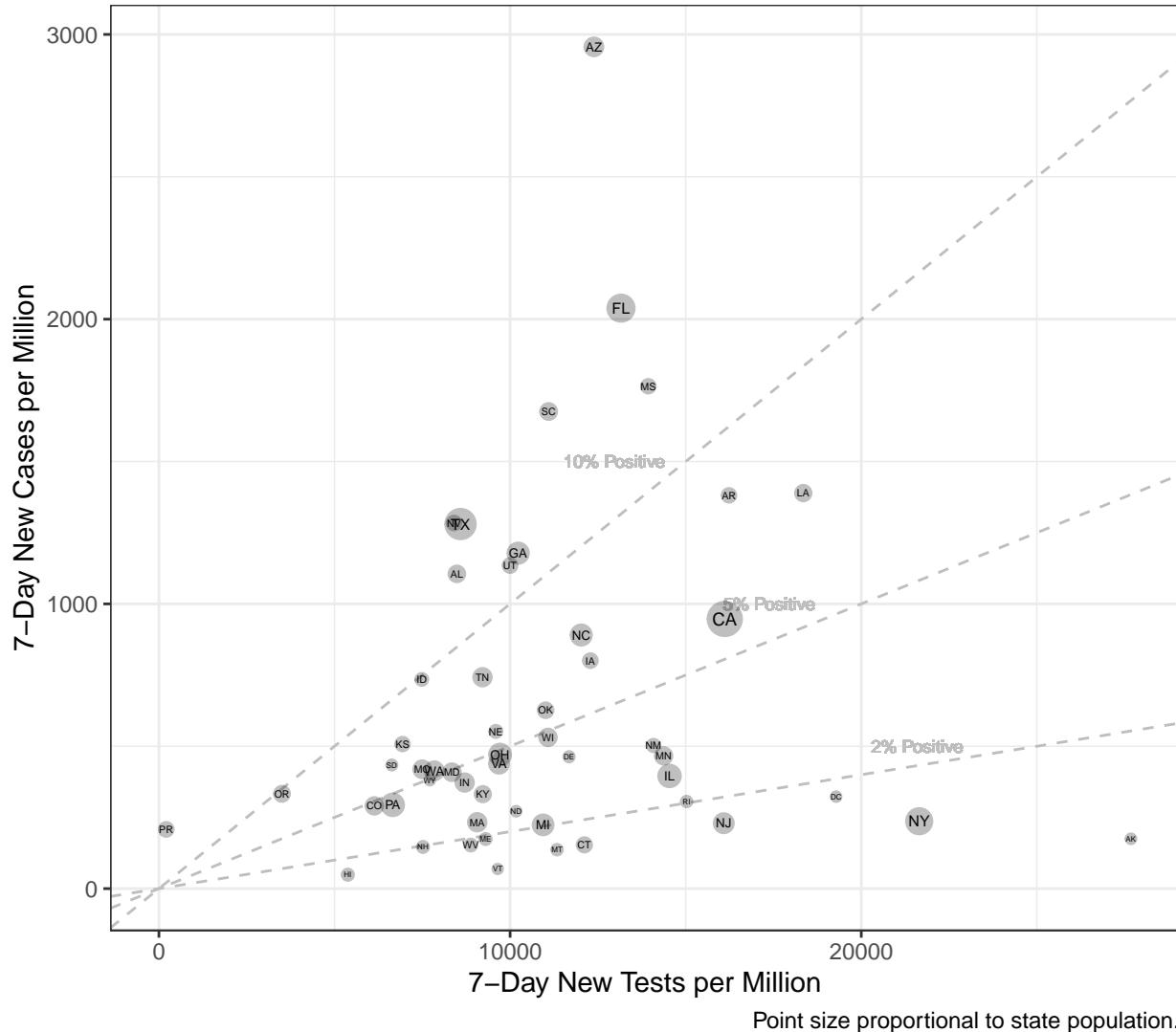
New Tests by State





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.

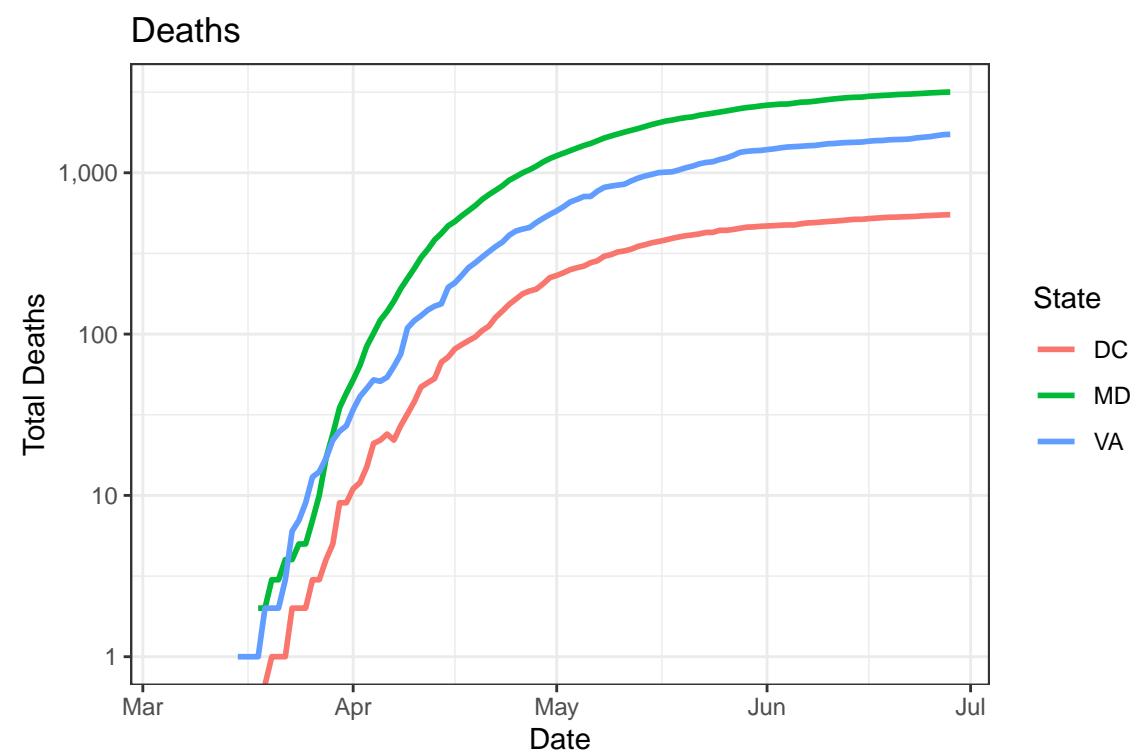
Local Data

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

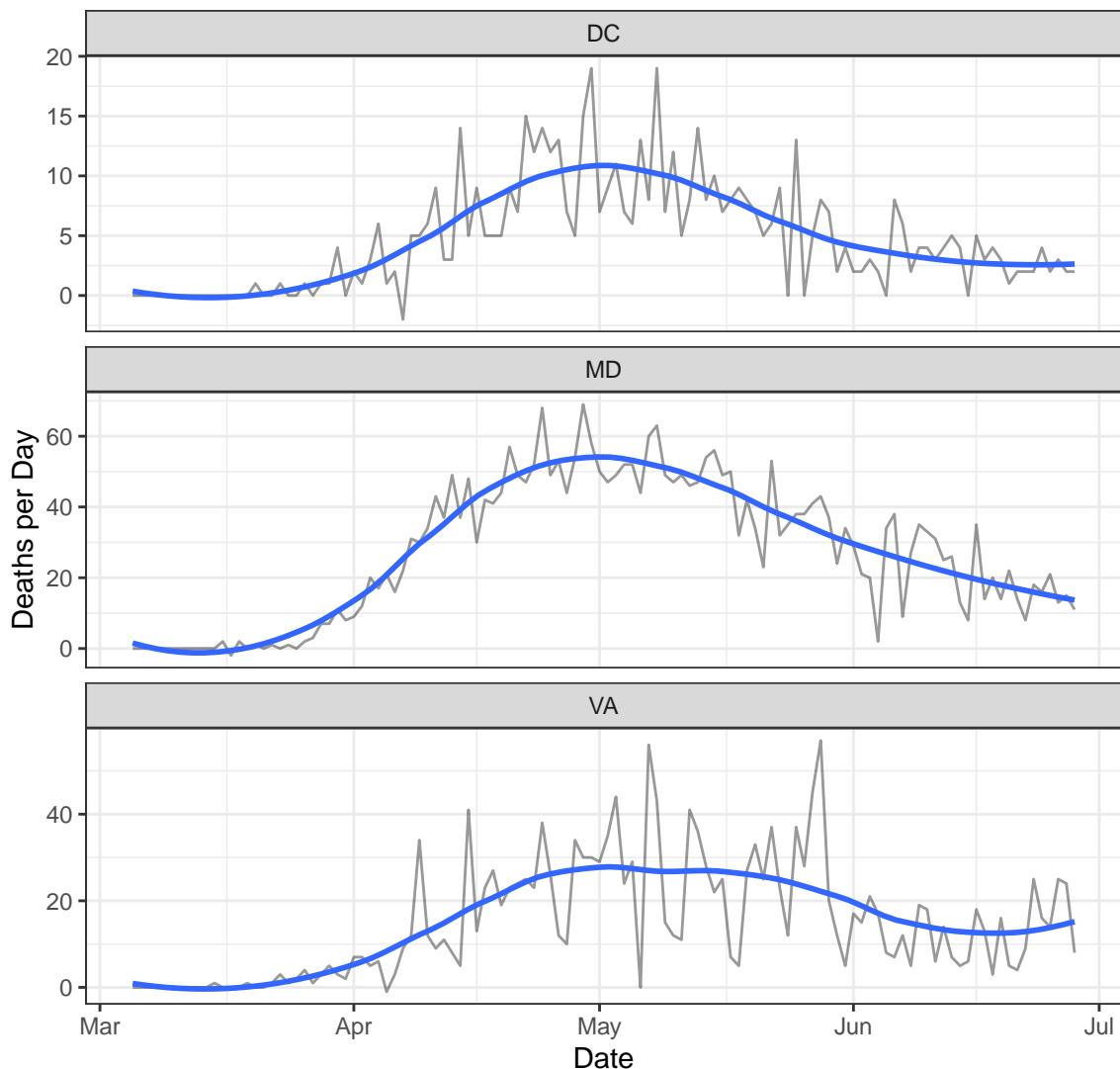
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,248	550	32	2
MD	66,777	3,168	327	11
VA	61,736	1,732	489	8

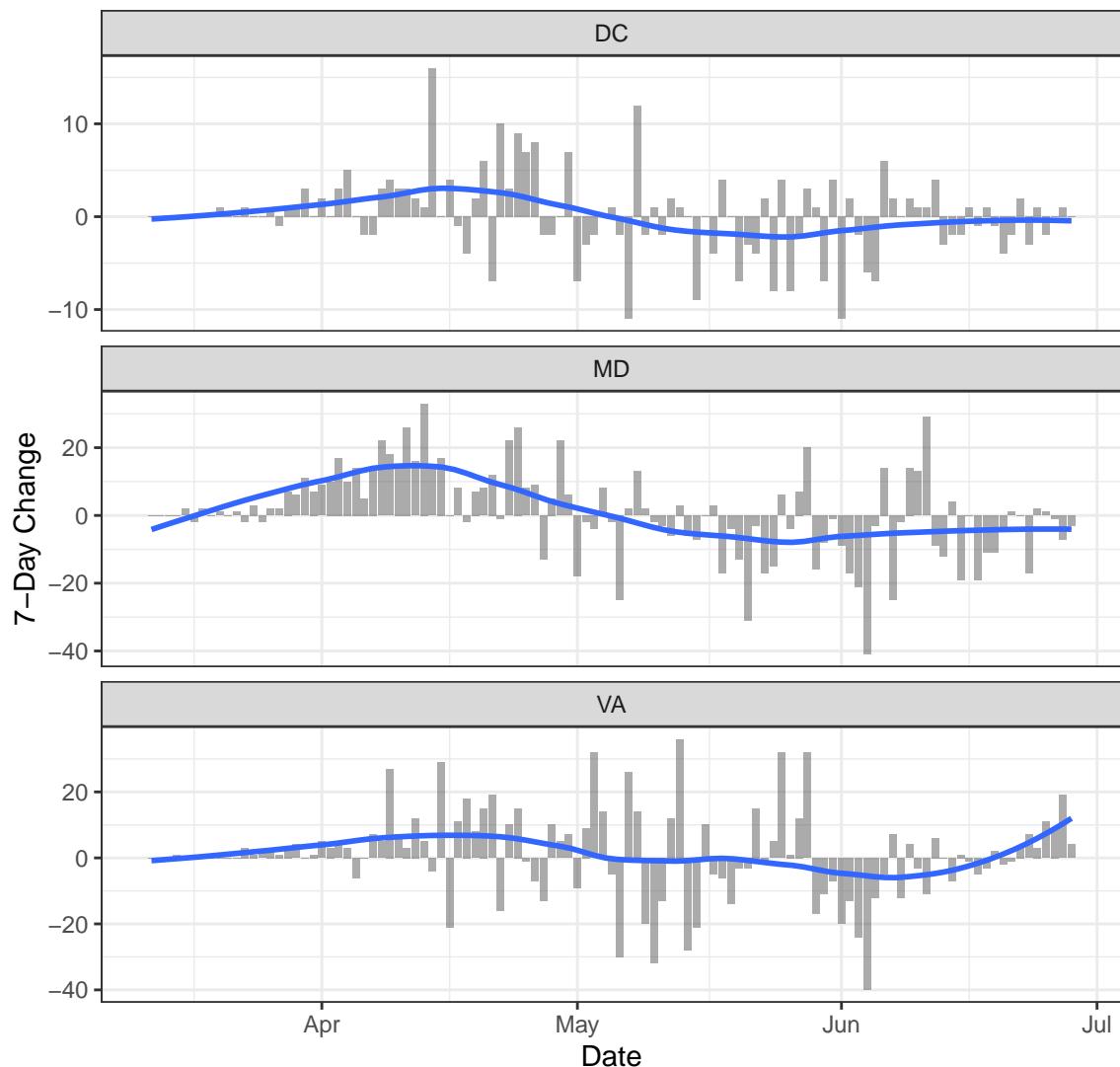
Deaths

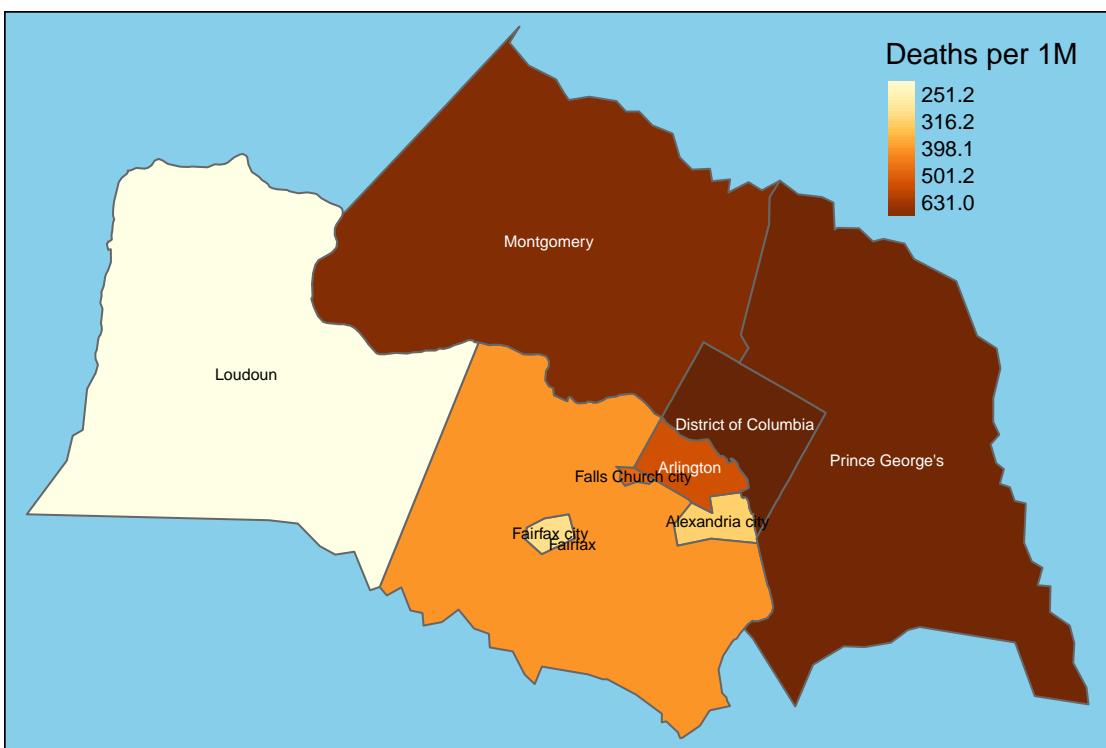
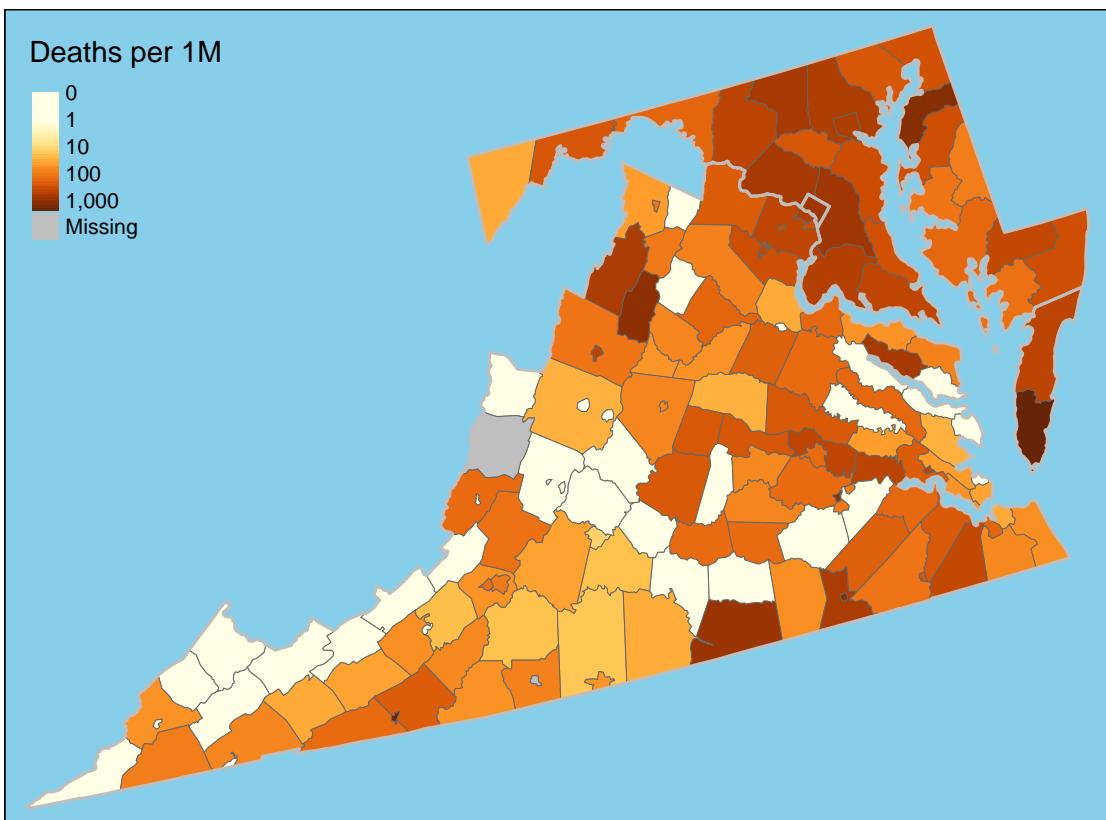


New Deaths

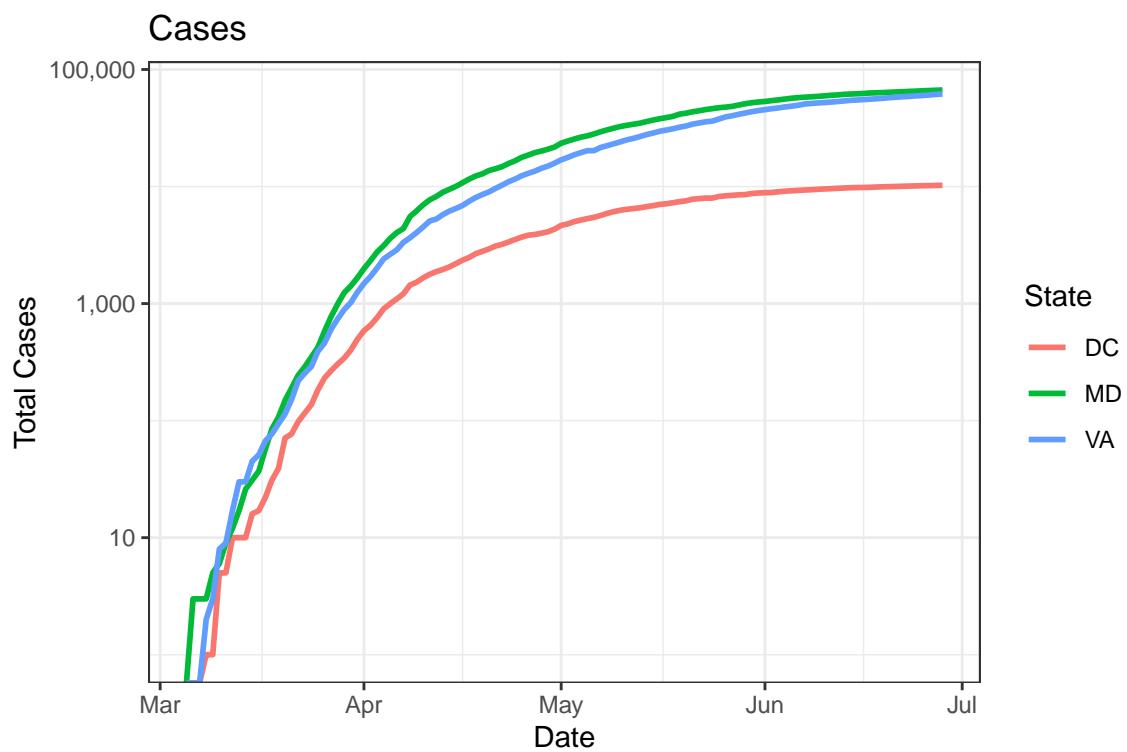


One-Week Change in Daily Deaths

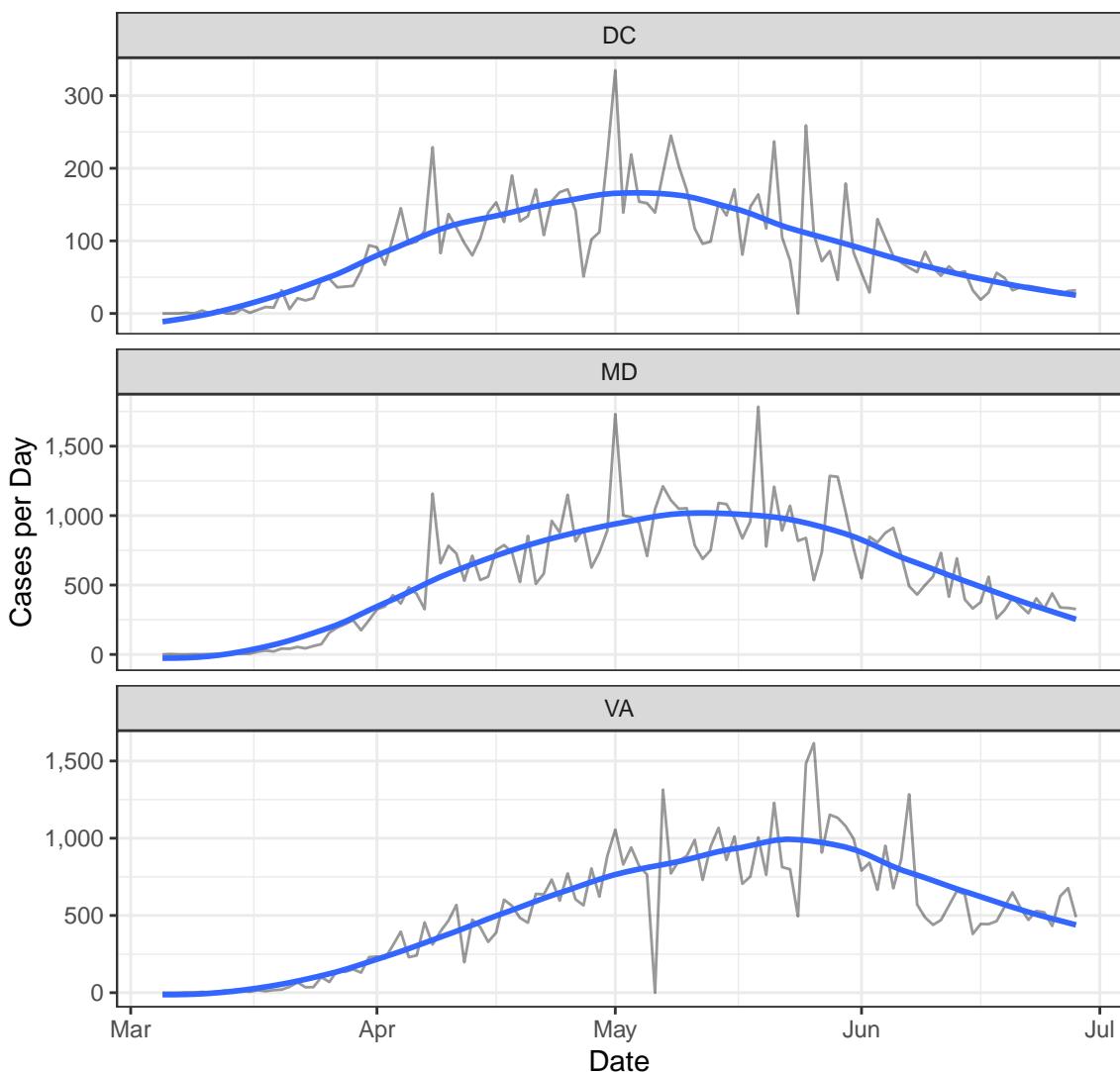




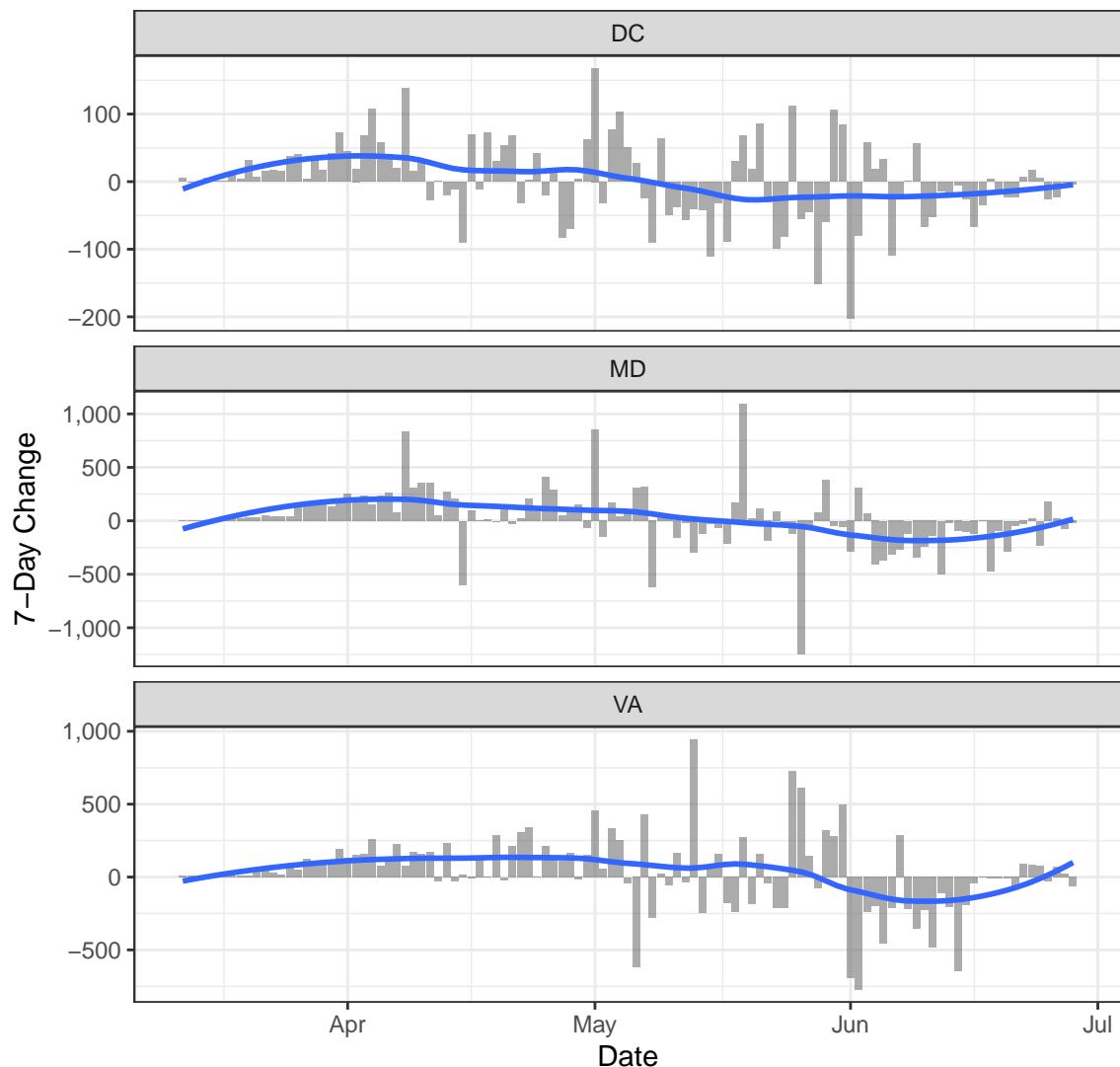
Cases

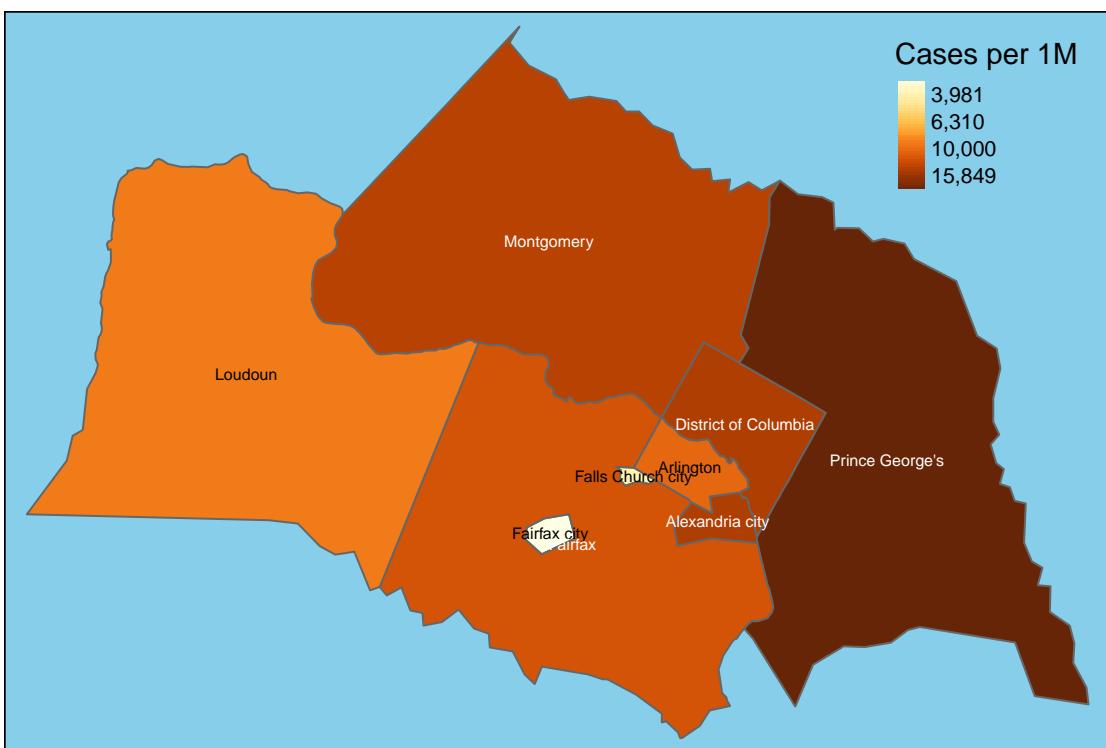
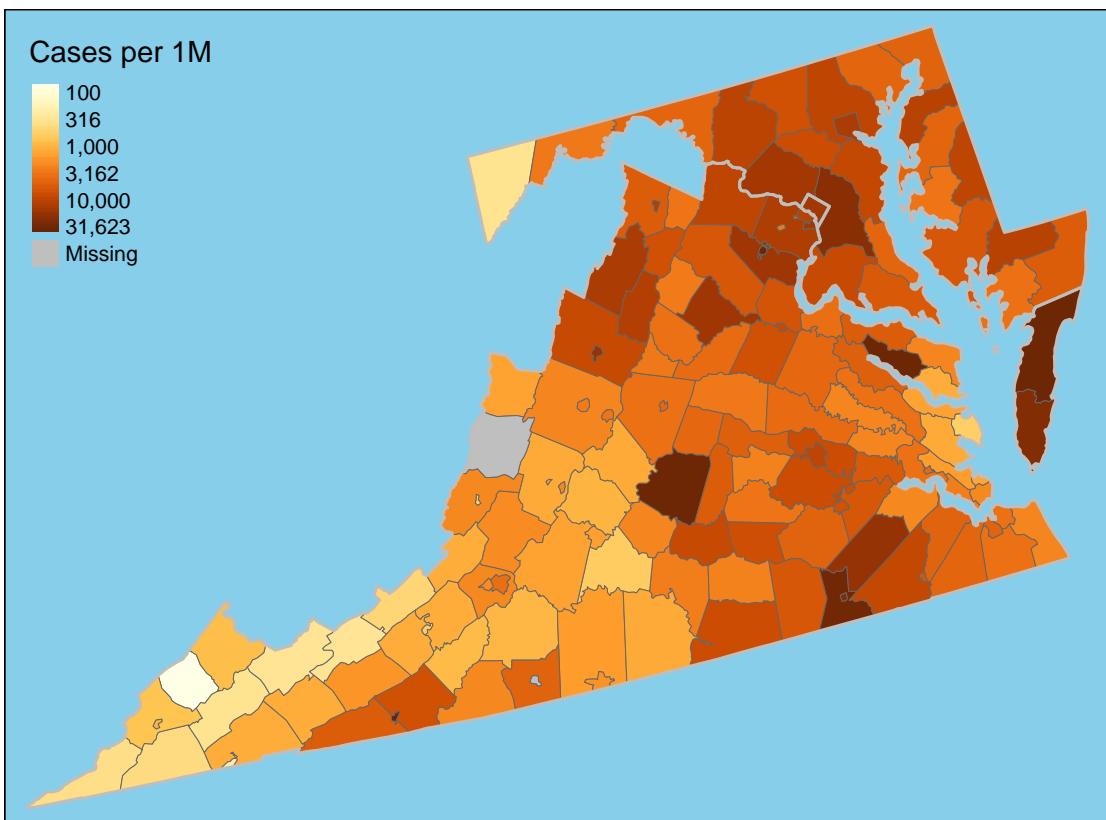


New Cases

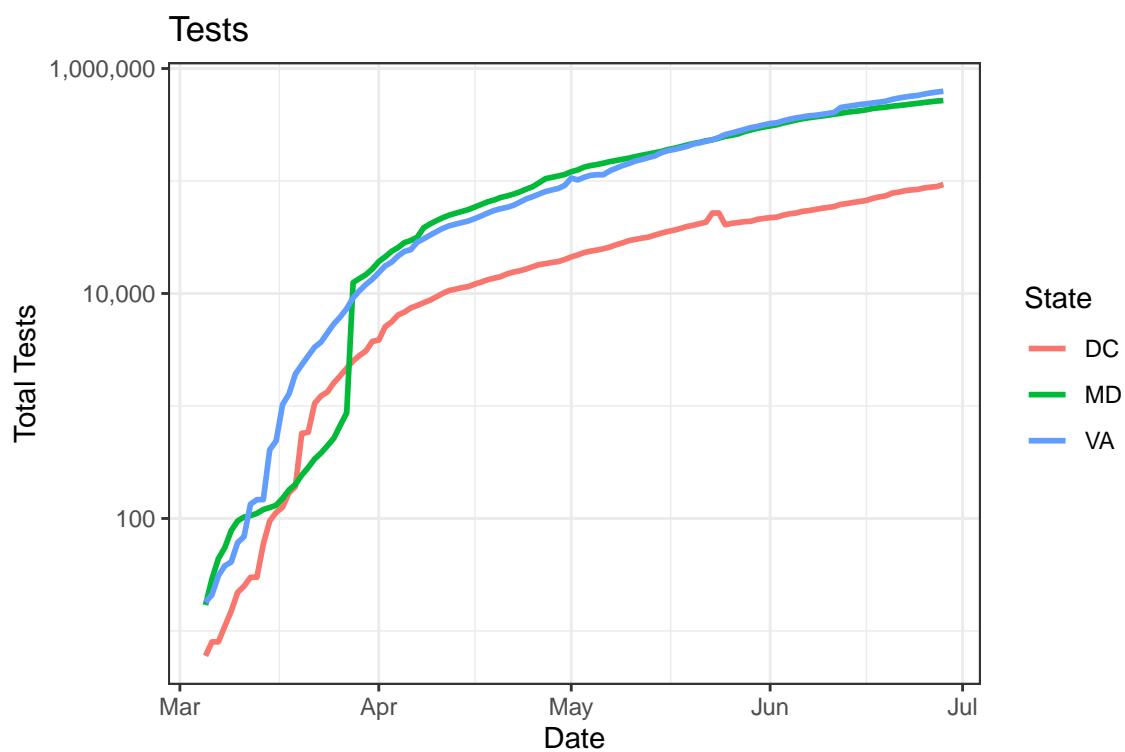


One-Week Change in Daily Cases

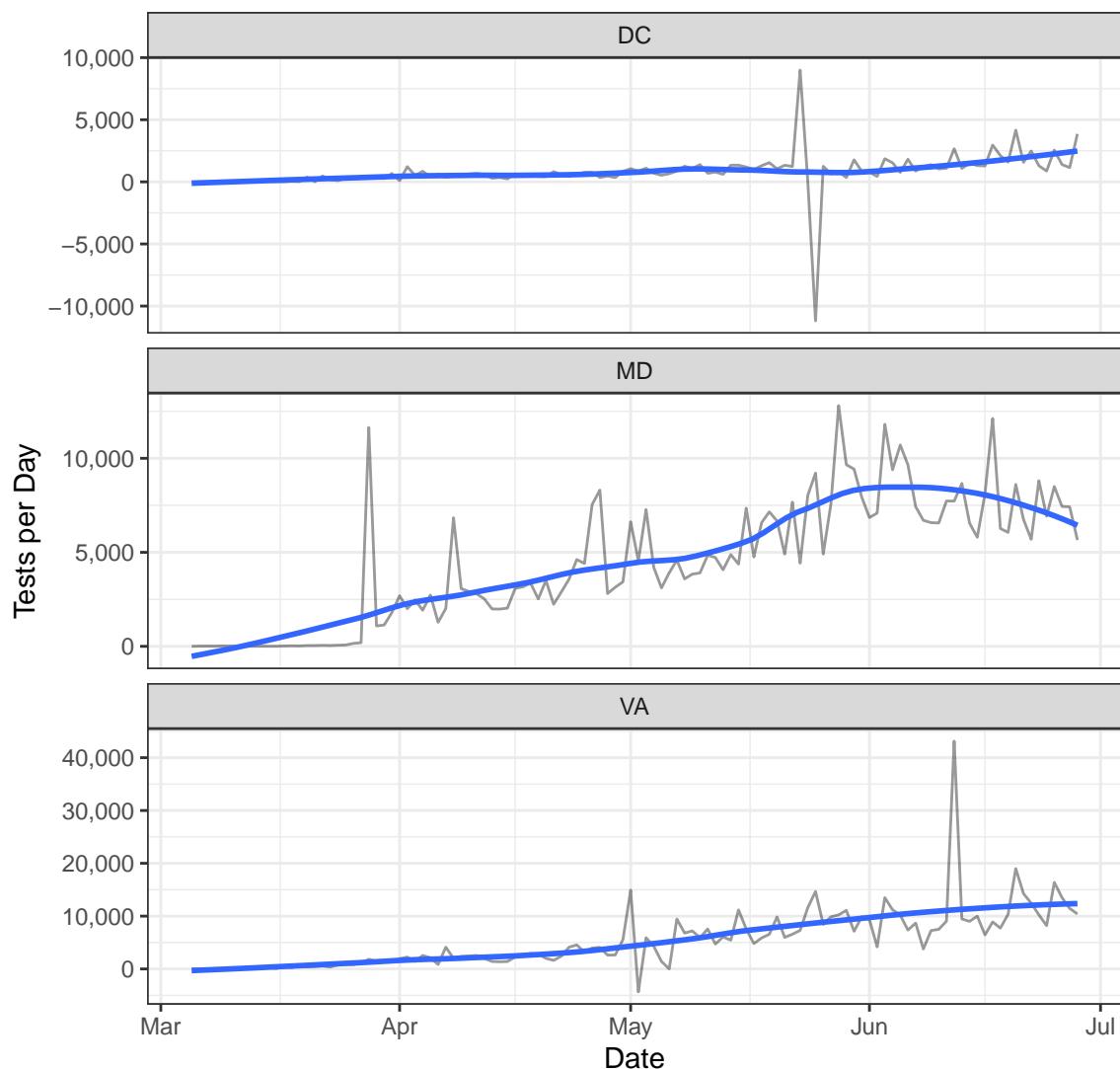




Testing



New Tests



Positive Test Rate

