

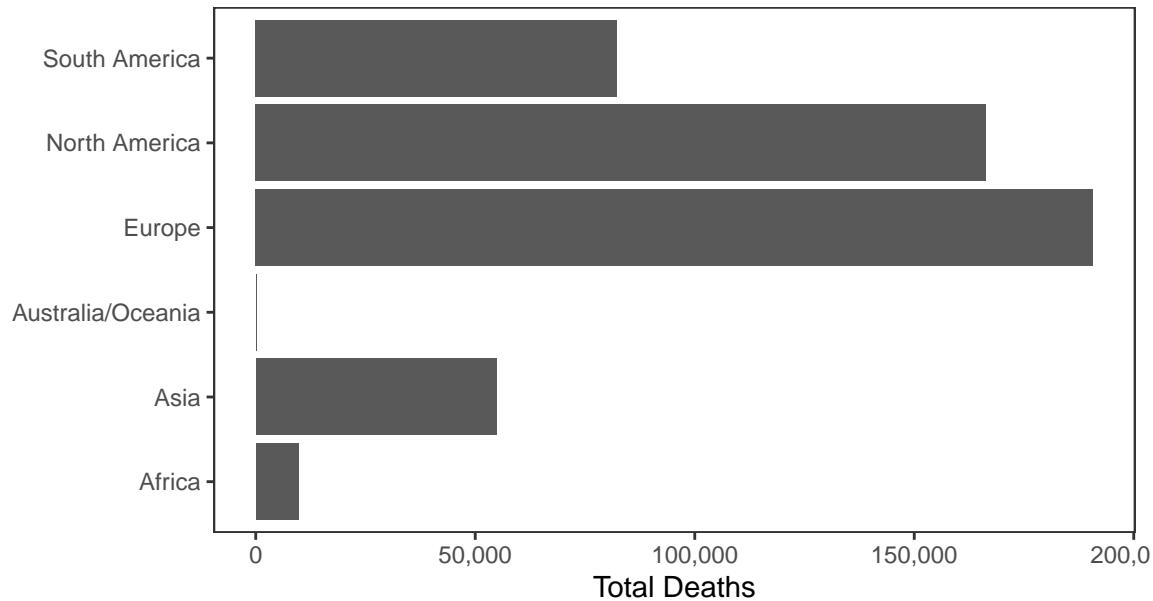
Erik's Covid-19 Chart Pack

Data updated 2020-06-29 18:37:35. 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 10,241,819 confirmed Covid-19 cases and 504,113 deaths worldwide.

Deaths



Cases

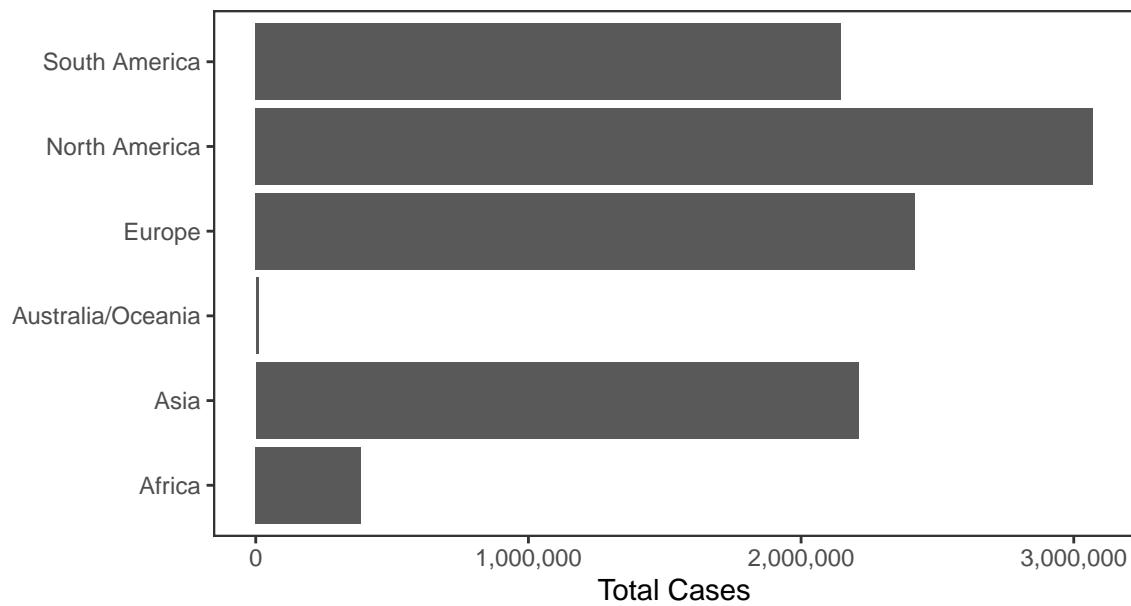
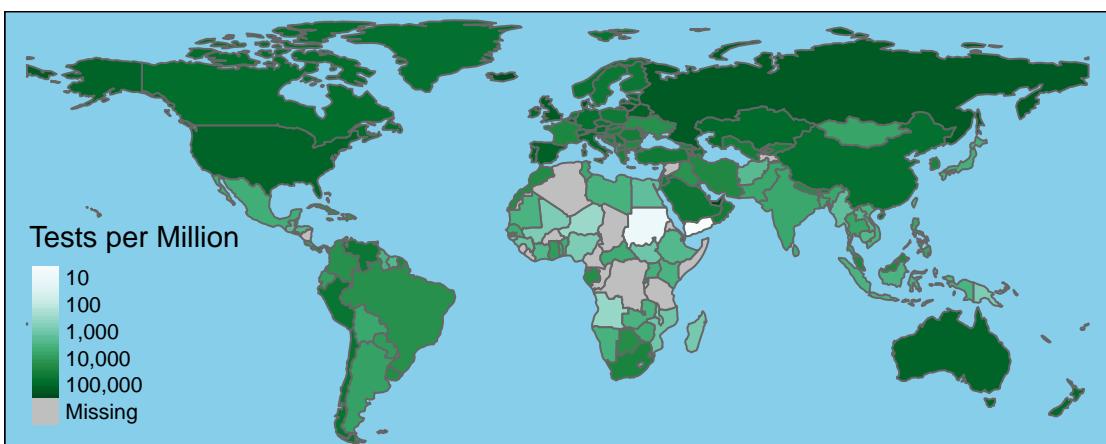
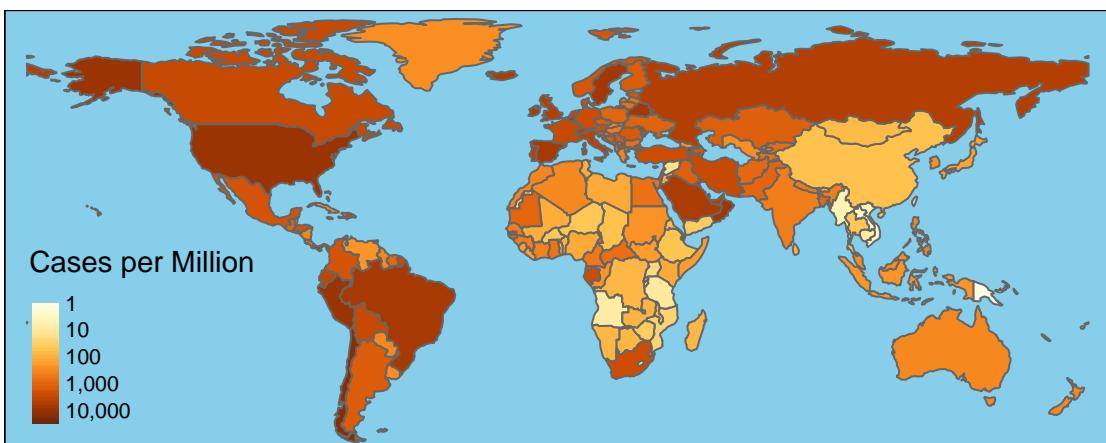
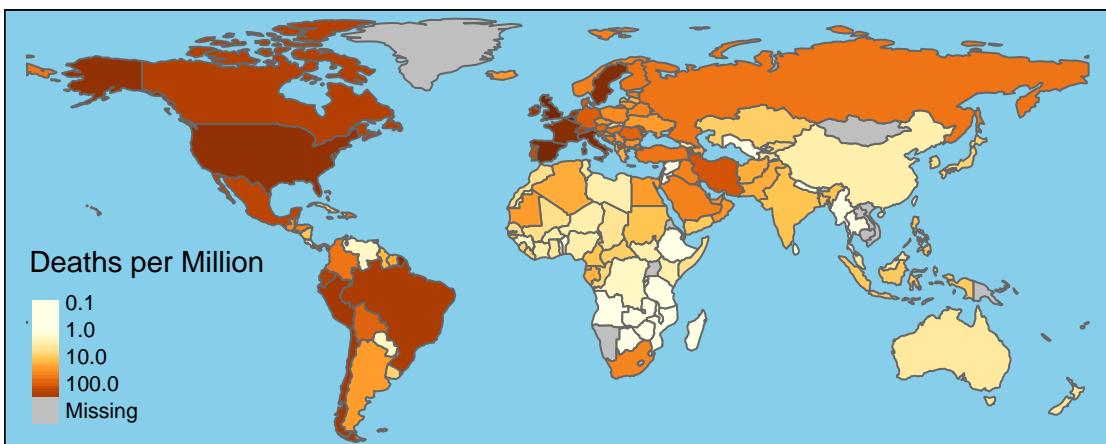


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,637,077	128,437	40,540	285
Brazil	1,345,254	57,658	29,313	555
Russia	634,437	9,073	6,791	104
India	549,197	16,487	19,620	384
UK	311,151	43,550	901	36
Spain	295,850	28,343	301	2
Peru	279,419	9,317	3,430	182
Chile	271,982	5,509	4,216	162
Italy	240,310	34,738	174	22
Iran	222,669	10,508	2,489	144
Mexico	212,802	26,381	4,410	602
Pakistan	202,955	4,118	4,072	83
Turkey	197,239	5,097	1,356	15
Germany	194,864	9,029	175	3
Saudi Arabia	182,493	1,551	3,989	40
France	163,980	29,795	522	9
South Africa	138,134	2,456	6,334	43
Bangladesh	137,787	1,738	3,809	43
Canada	103,250	8,522	218	6
Qatar	94,413	110	750	0



National Data

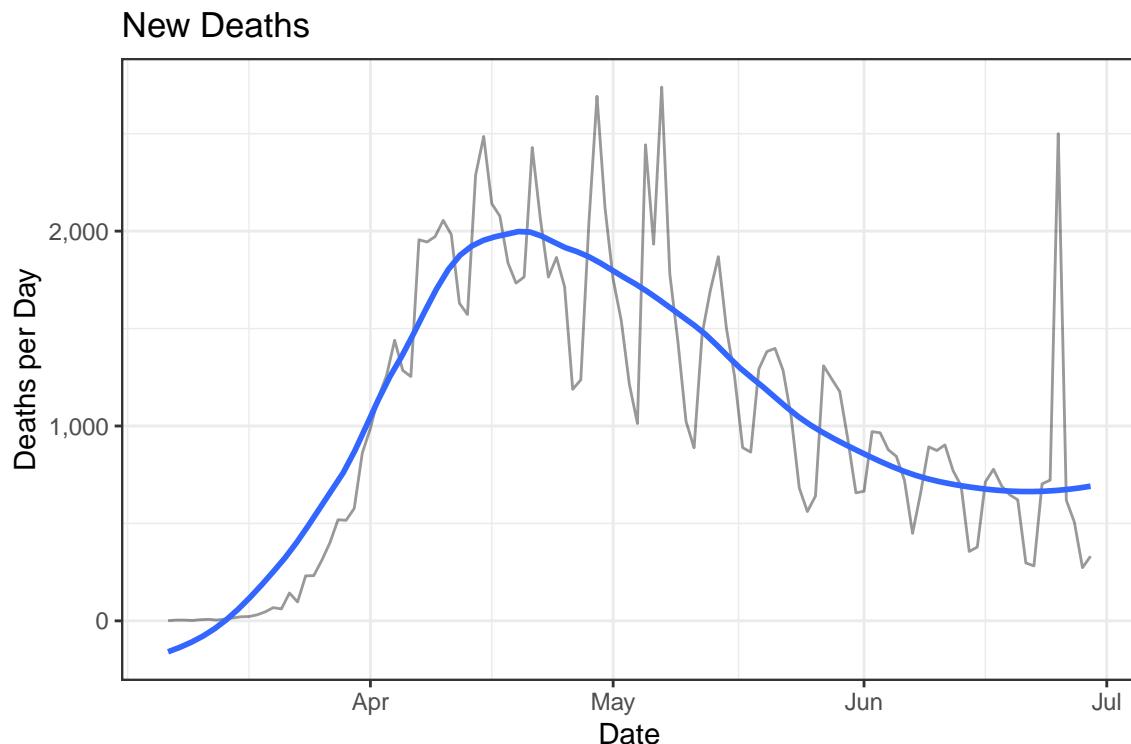
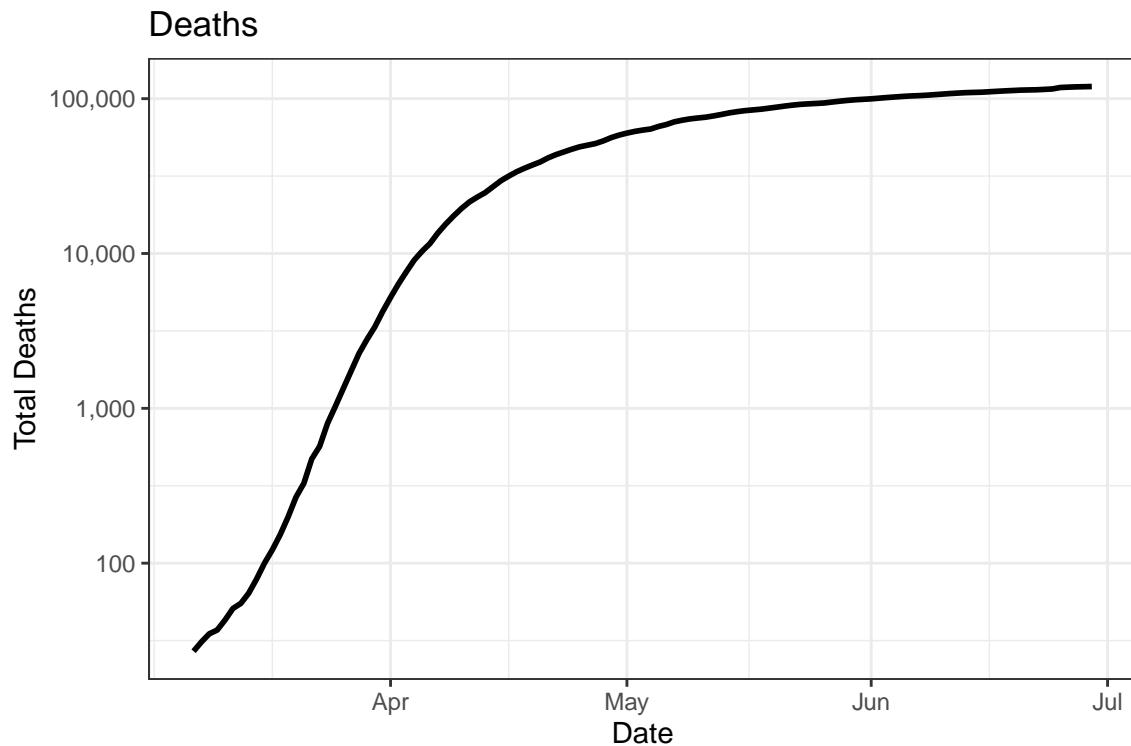
There have been 2,577,473 confirmed Covid-19 cases and 119,761 deaths in the United States.

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

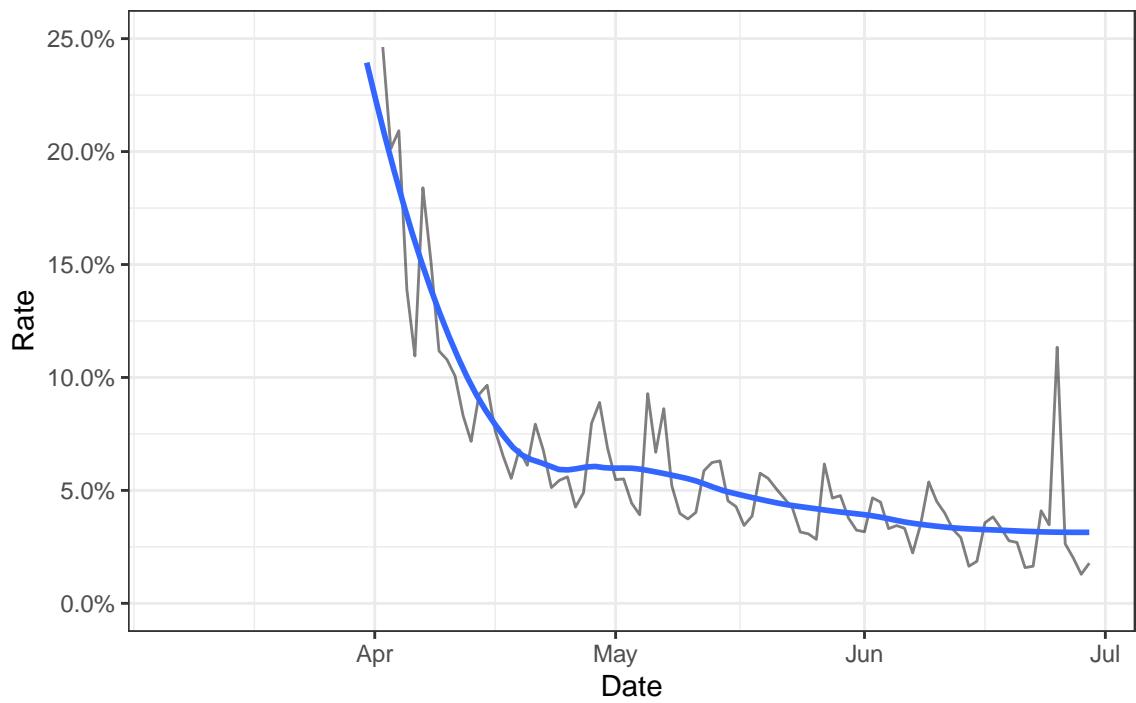
Date	Cases	Deaths	New Cases	New Deaths
2020-06-29	2,577,473	119,761	36,490	332
2020-06-28	2,540,983	119,429	42,161	273
2020-06-27	2,498,822	119,156	43,471	506
2020-06-26	2,455,351	118,650	44,373	619
2020-06-25	2,410,978	118,031	39,061	2,500
2020-06-24	2,371,917	115,531	38,706	722
2020-06-23	2,333,211	114,809	33,018	703
2020-06-22	2,300,193	114,106	27,080	282
2020-06-21	2,273,113	113,824	27,257	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

Deaths

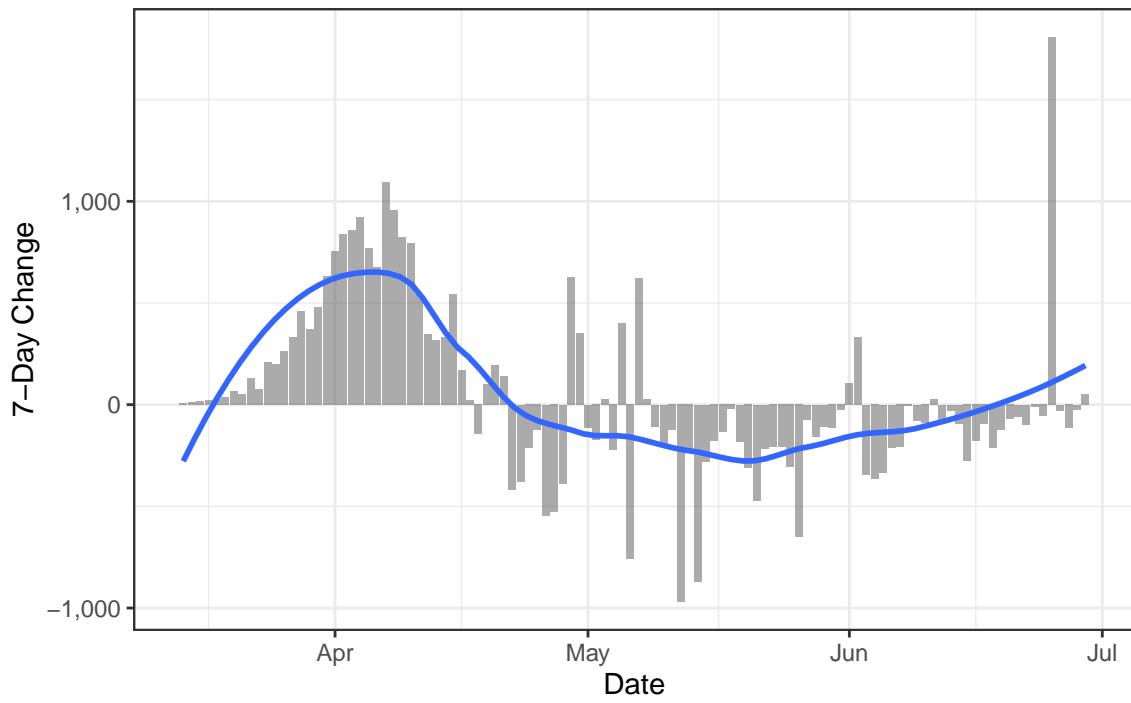
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

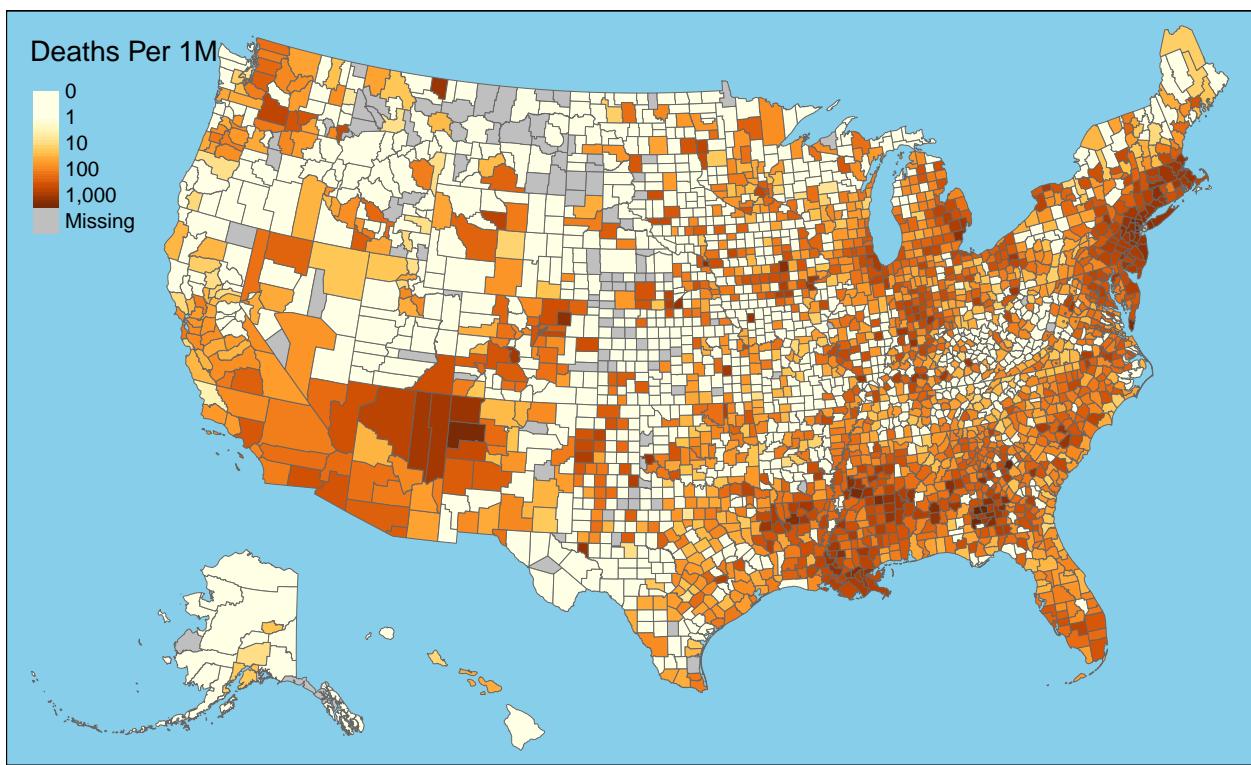


Daily Case Mortality Rate



One-Week Change in Daily Deaths

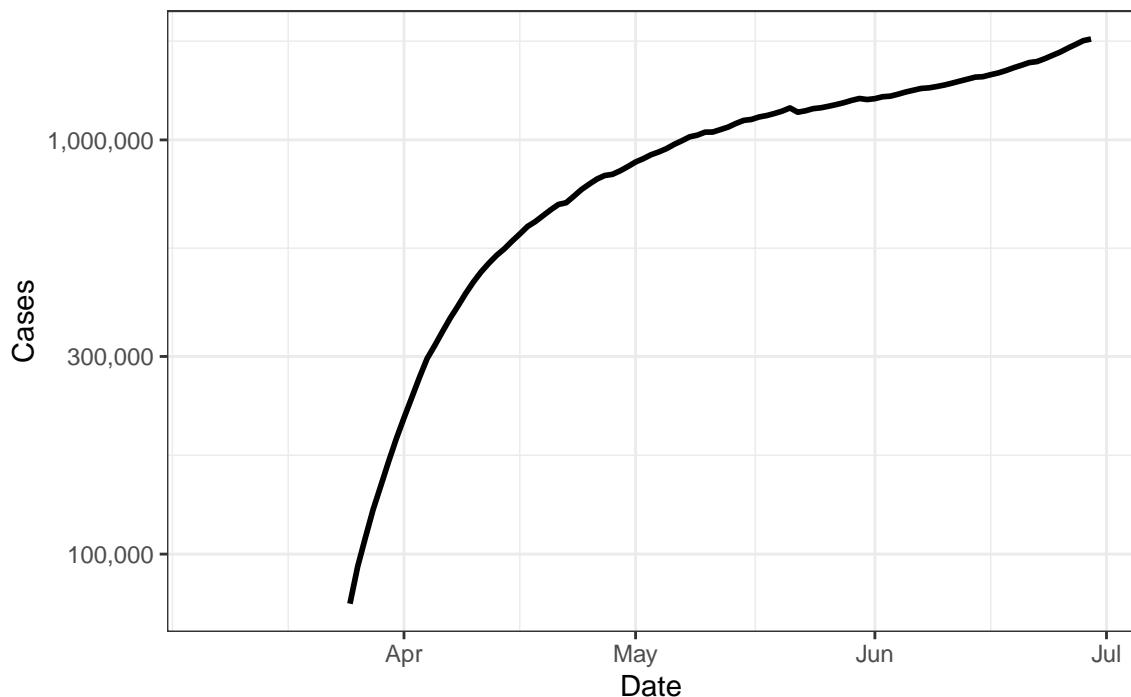




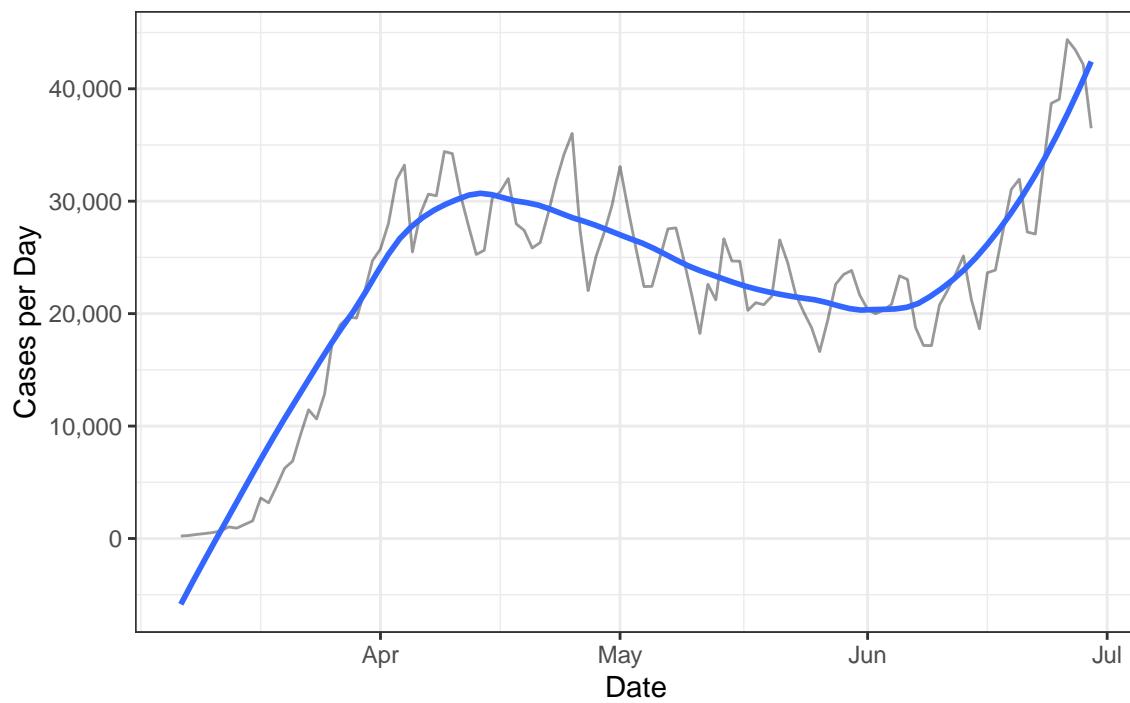
Cases

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

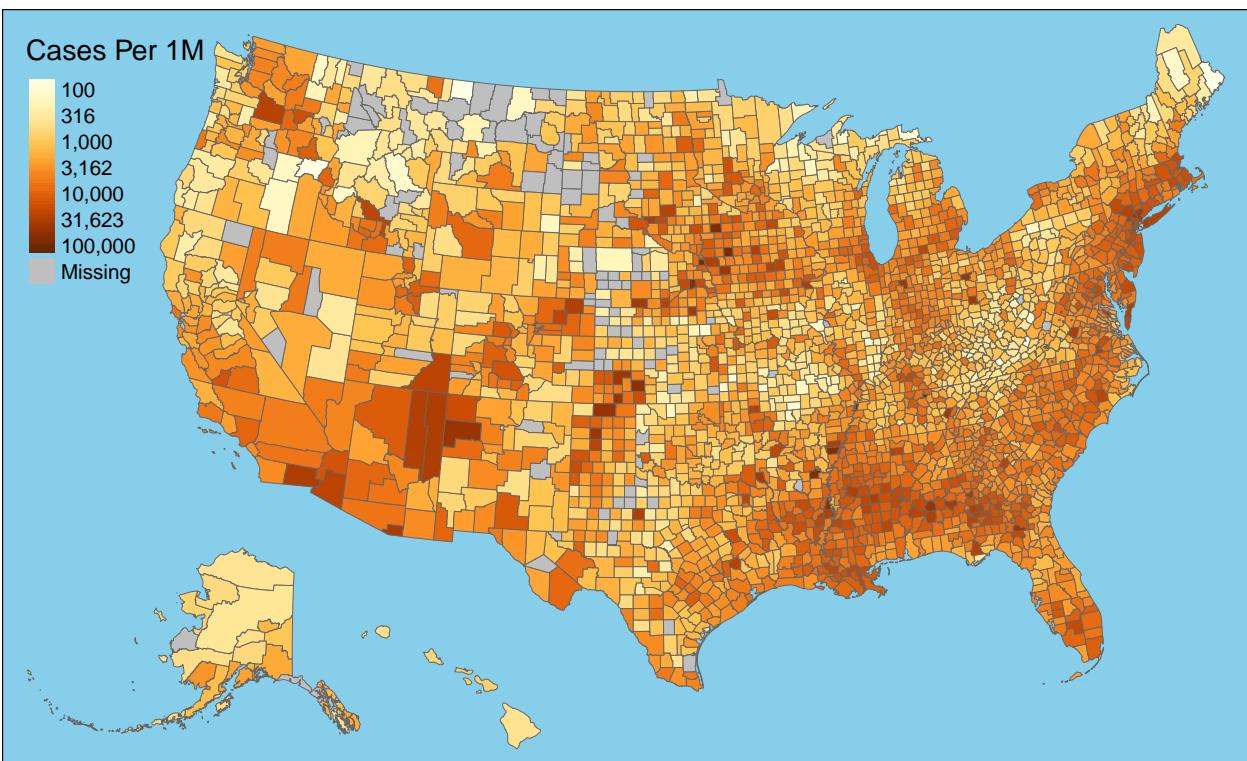
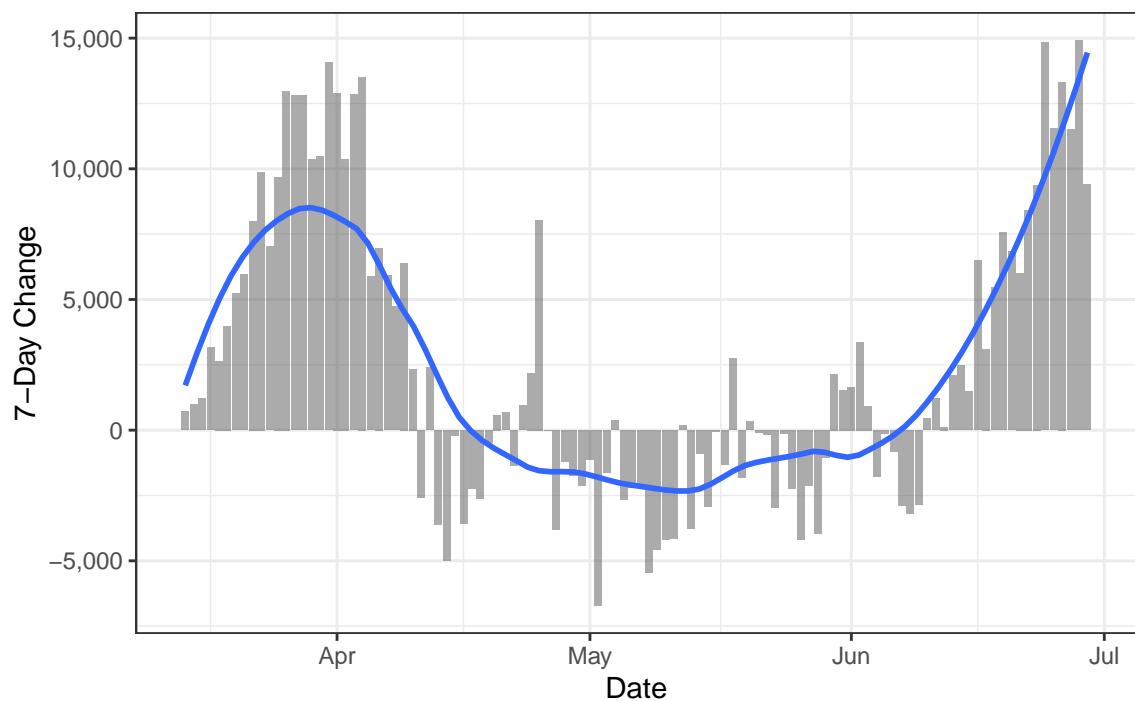
Active Cases



New Cases

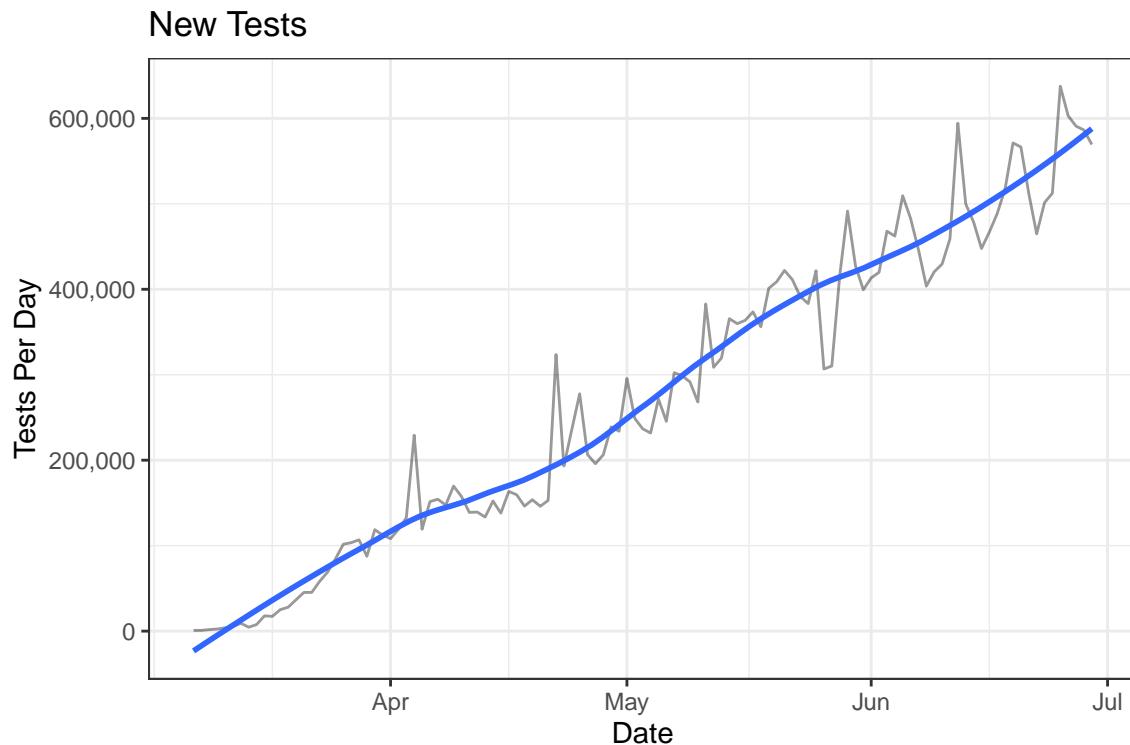
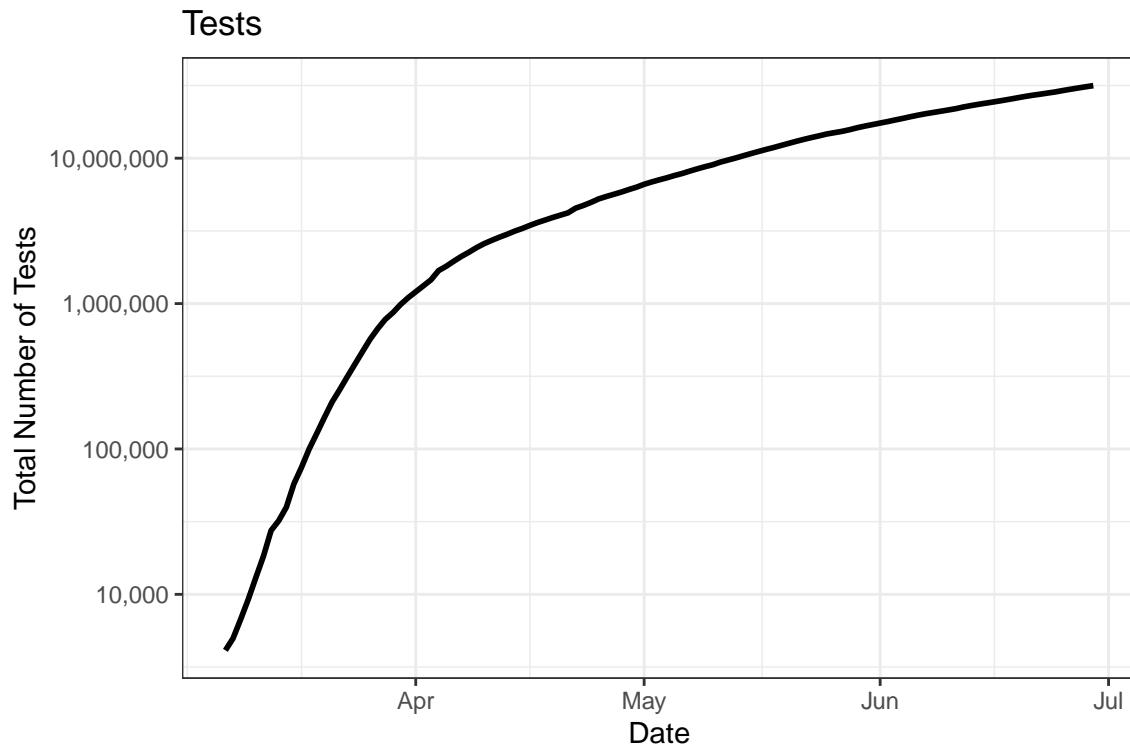


One-Week Change in Daily Cases

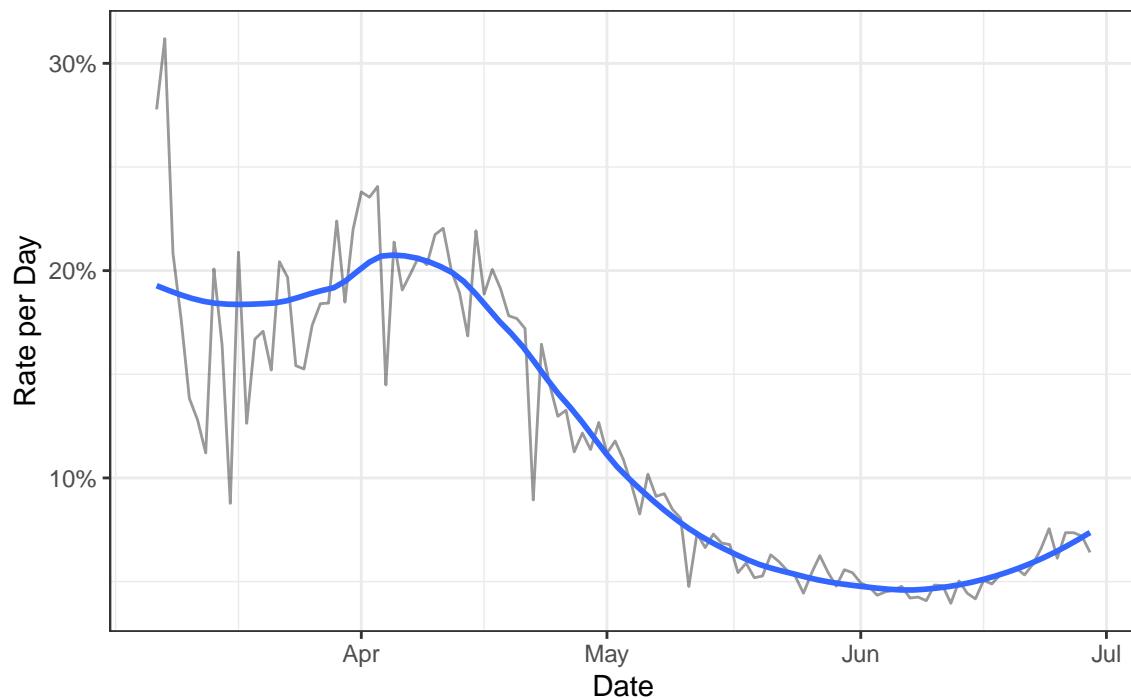


Testing

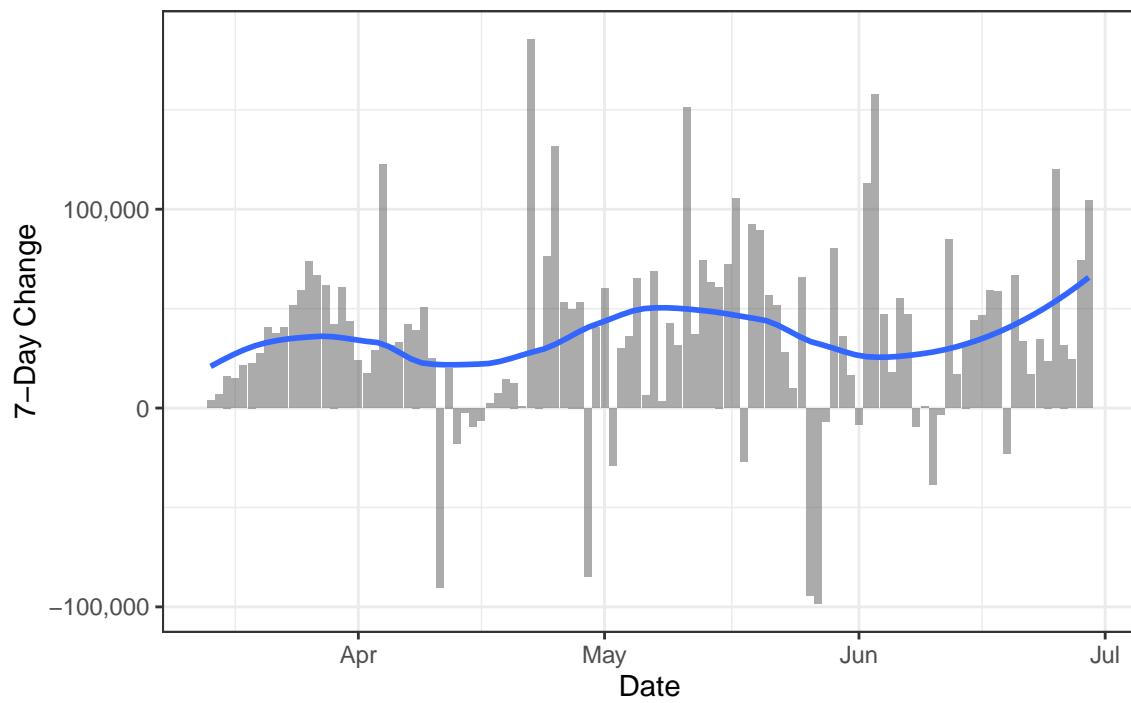
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

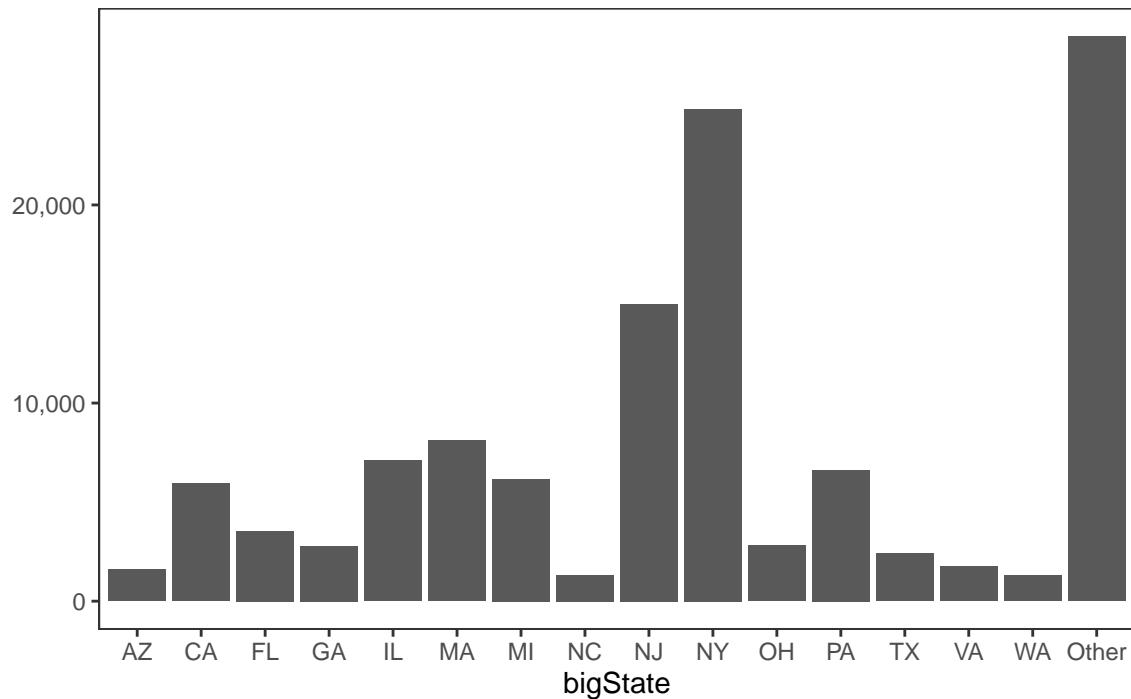


State Data

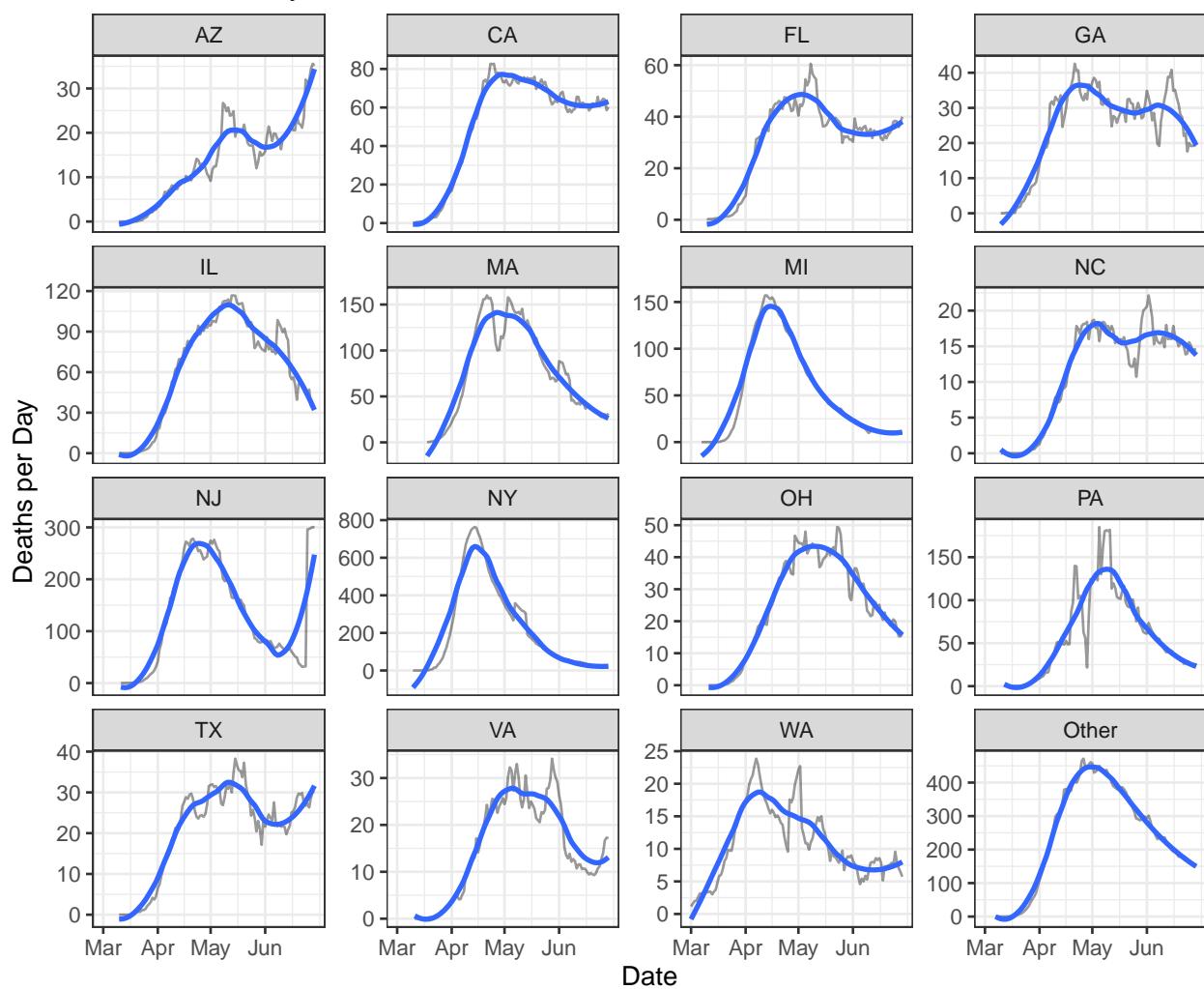
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

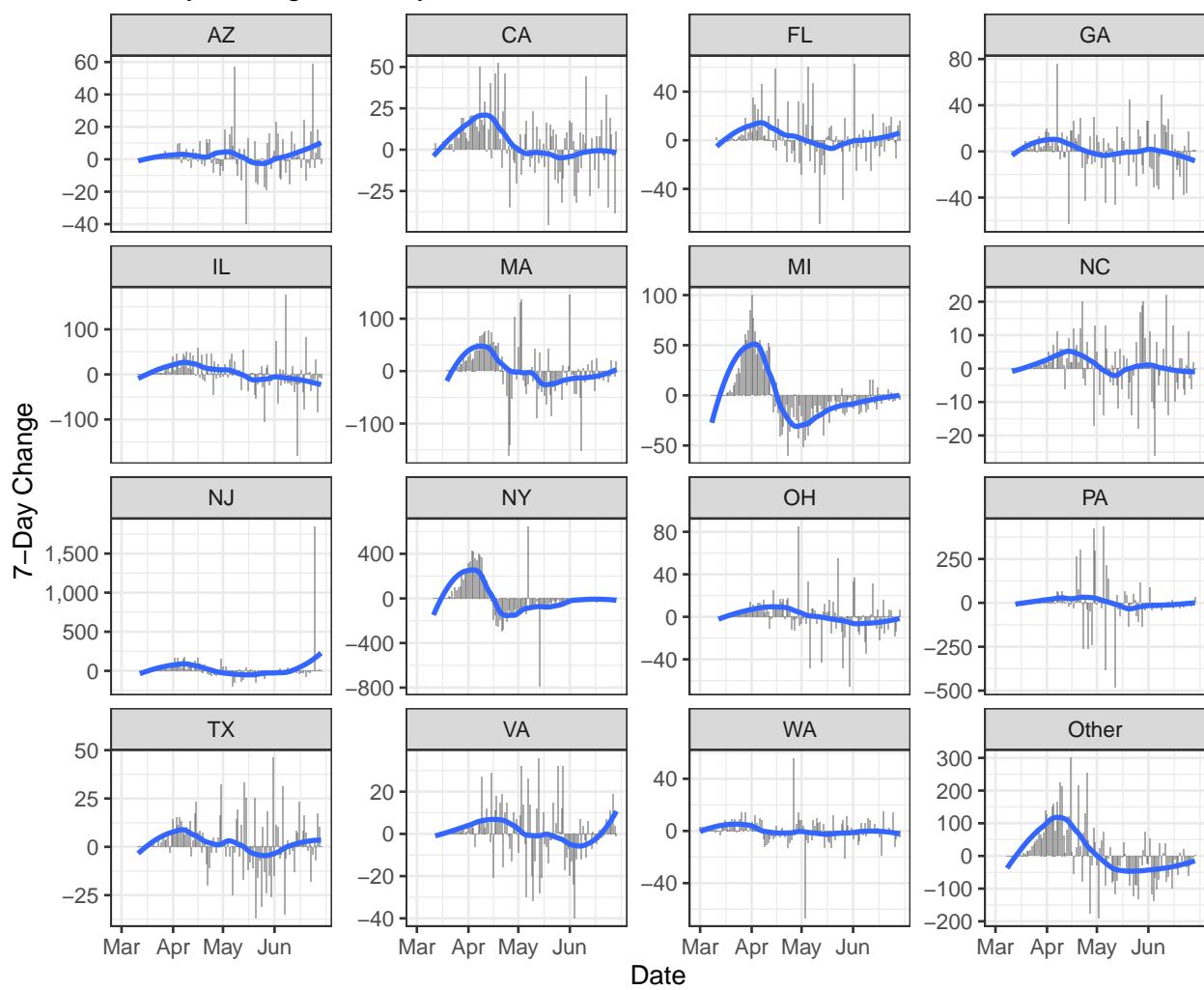
Deaths by State

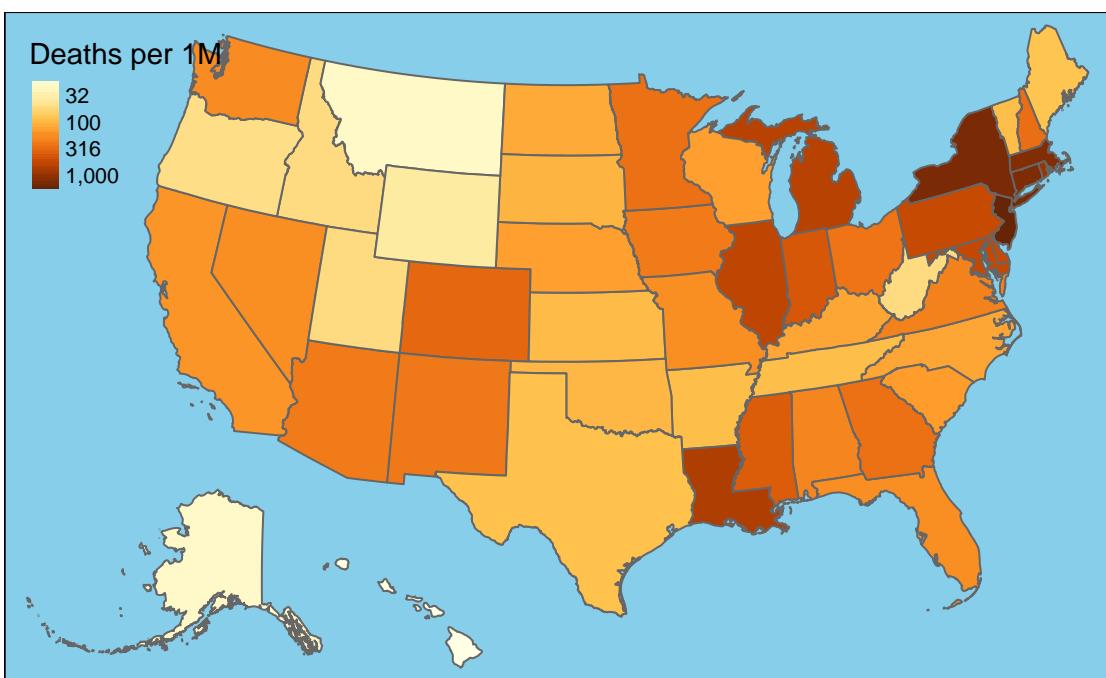
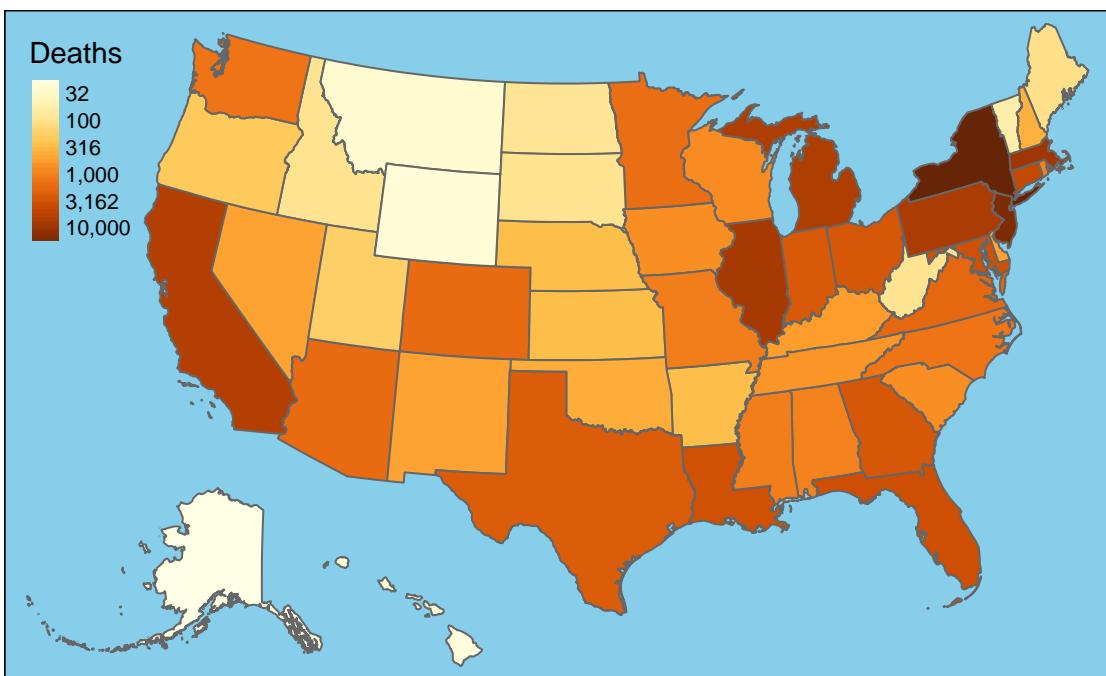


New Deaths by State



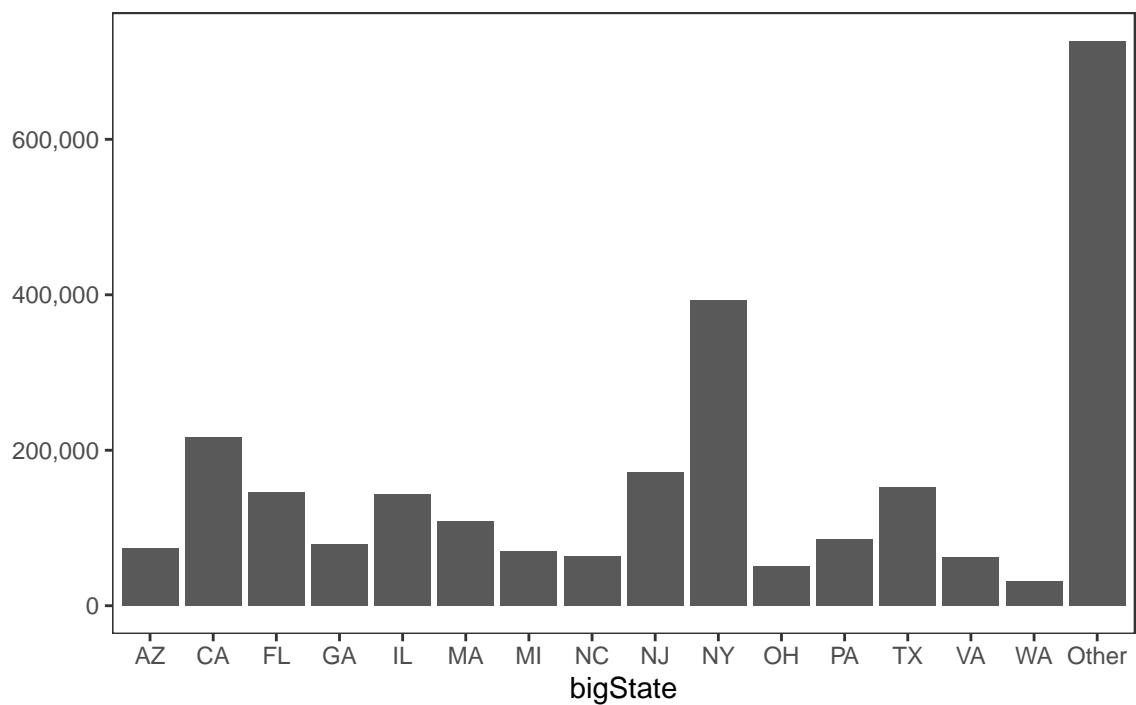
7-Day Change in Daily Deaths



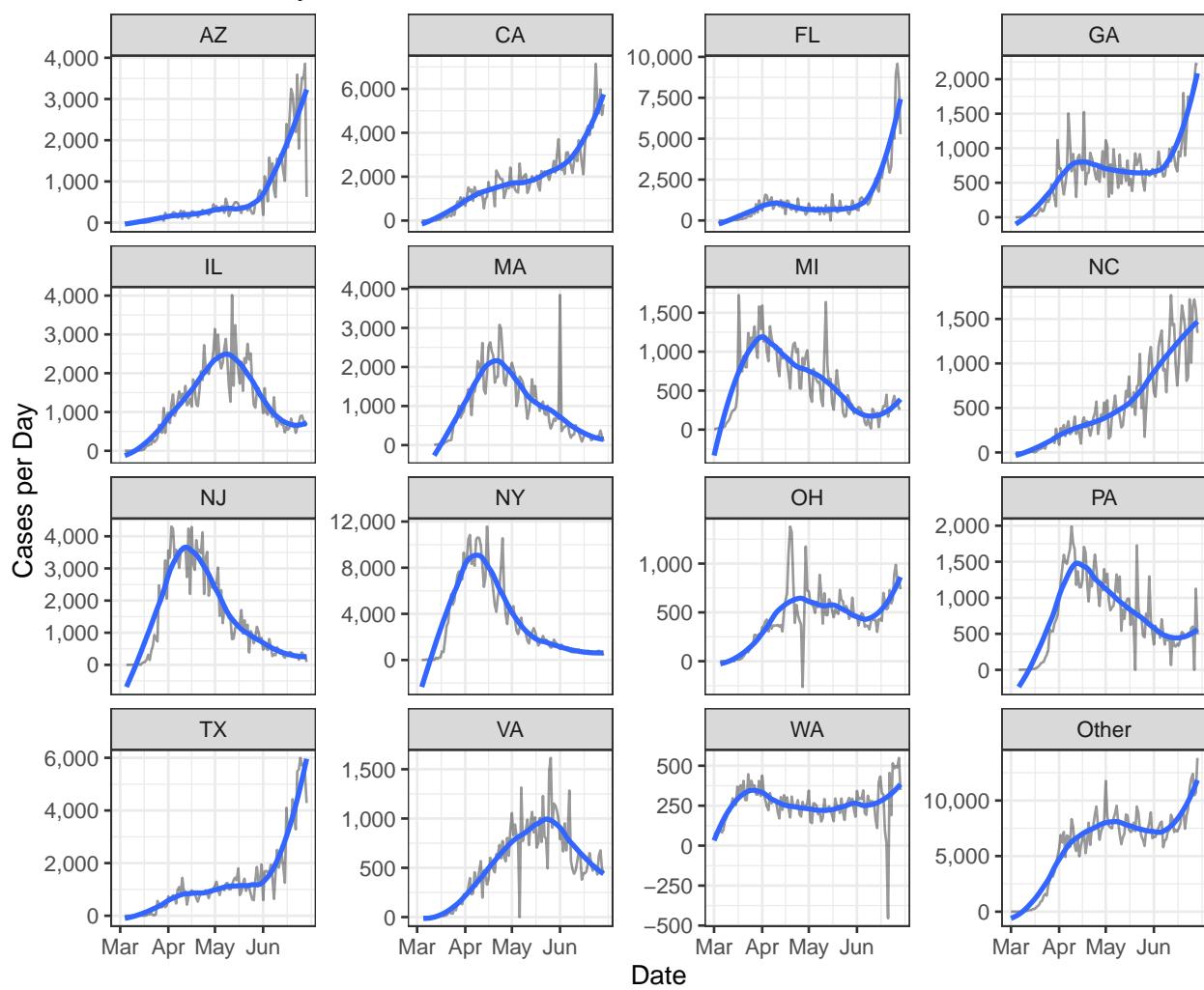


Cases

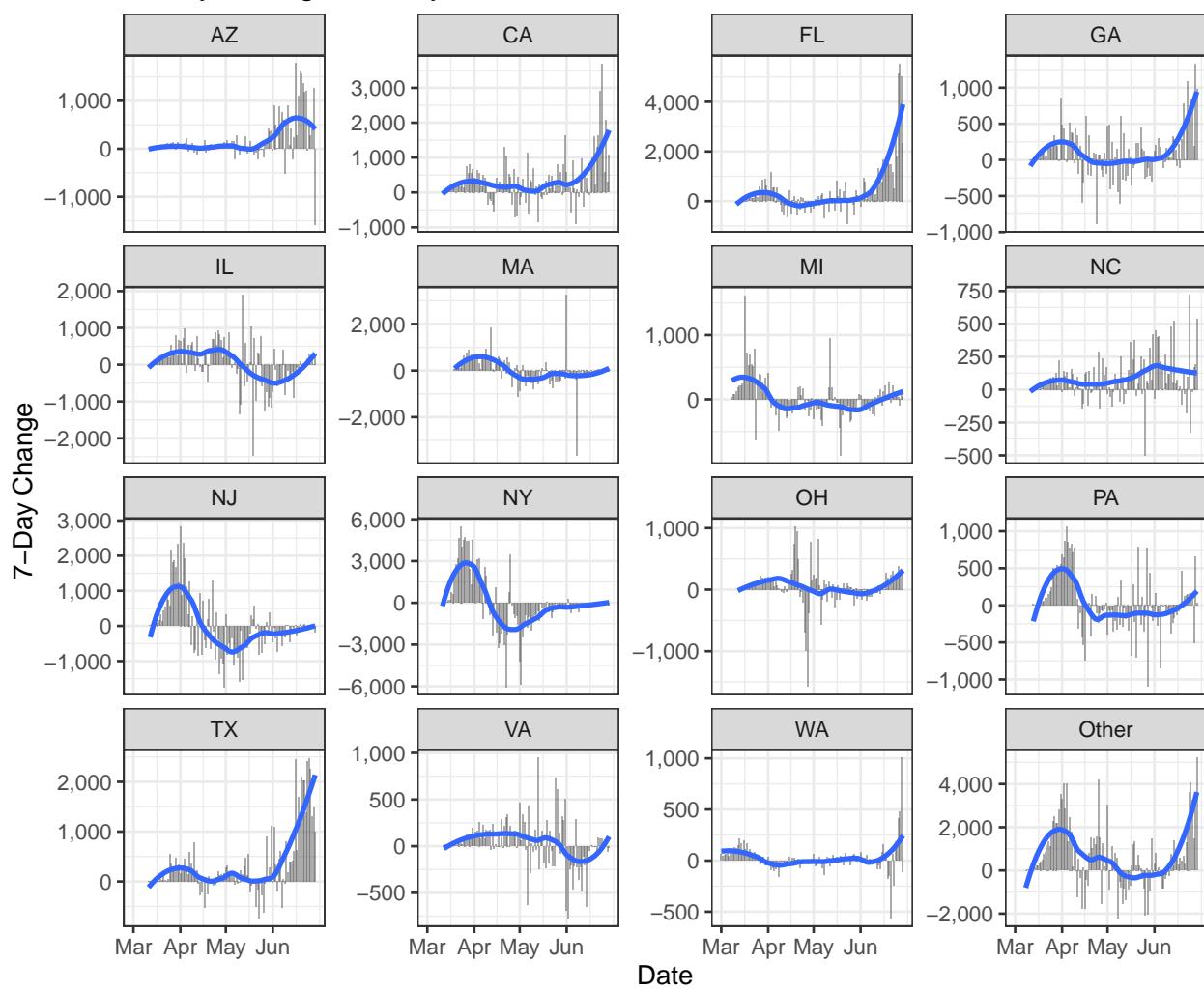
Cases by State

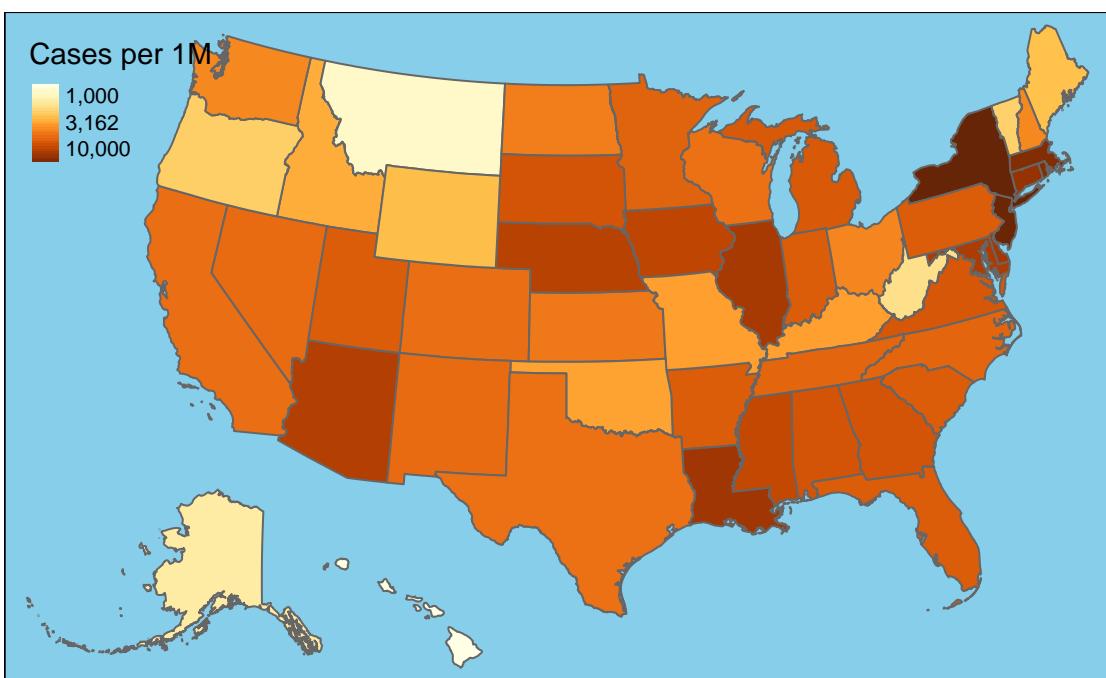
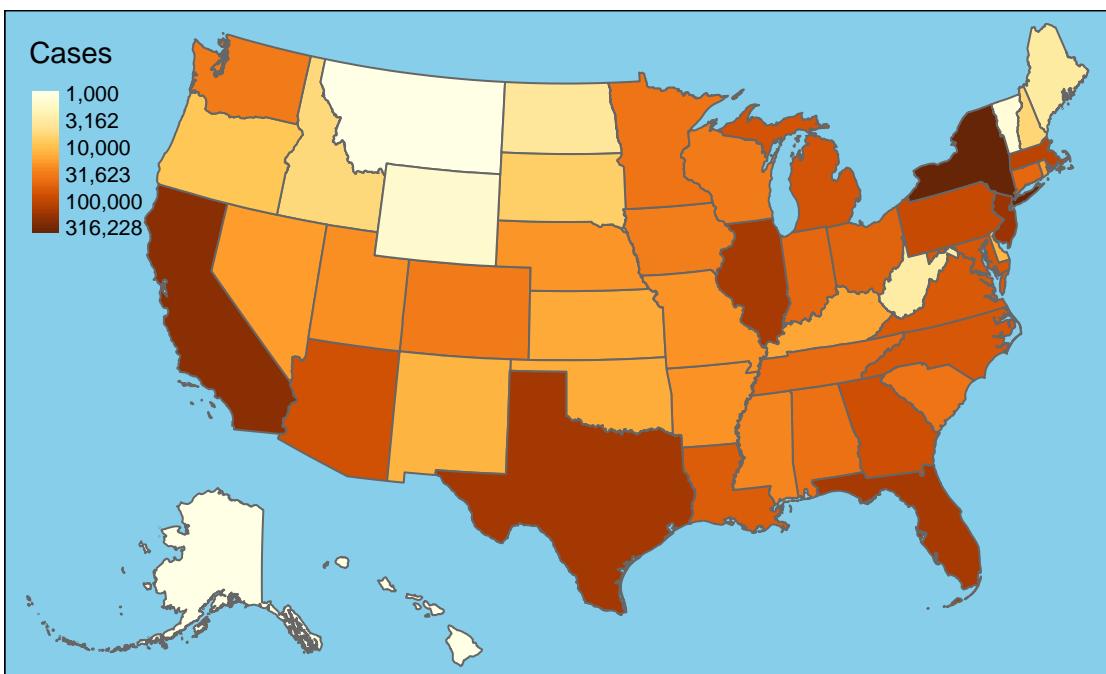


New Cases by State

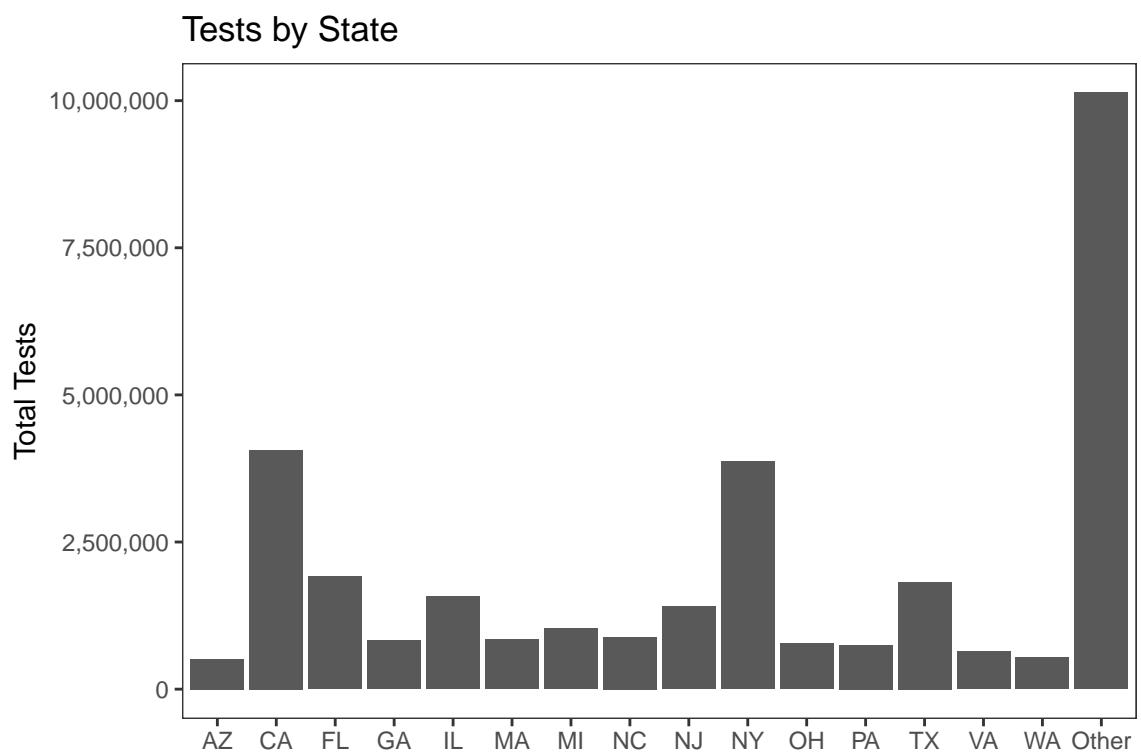


7-Day Change in Daily Cases

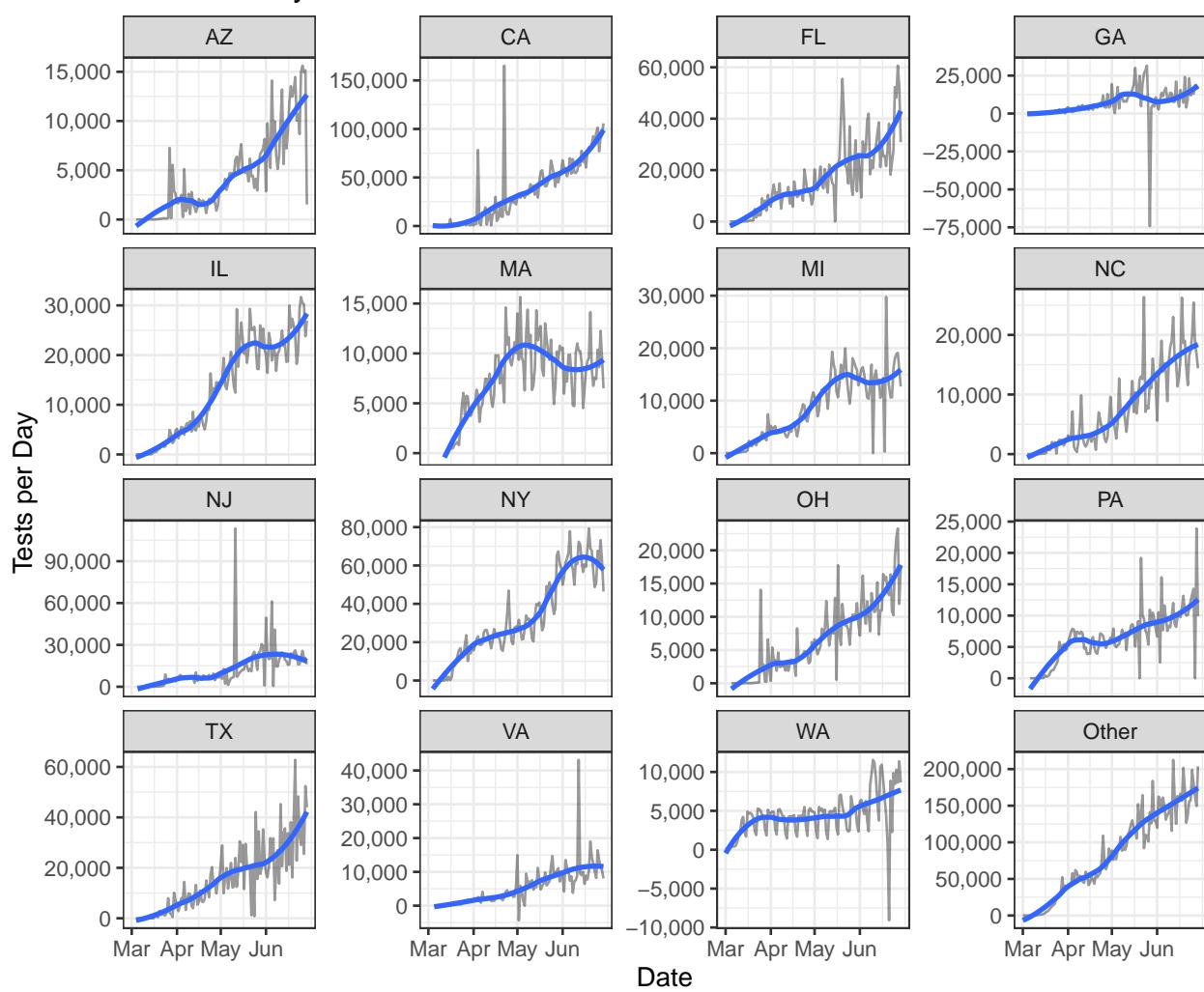


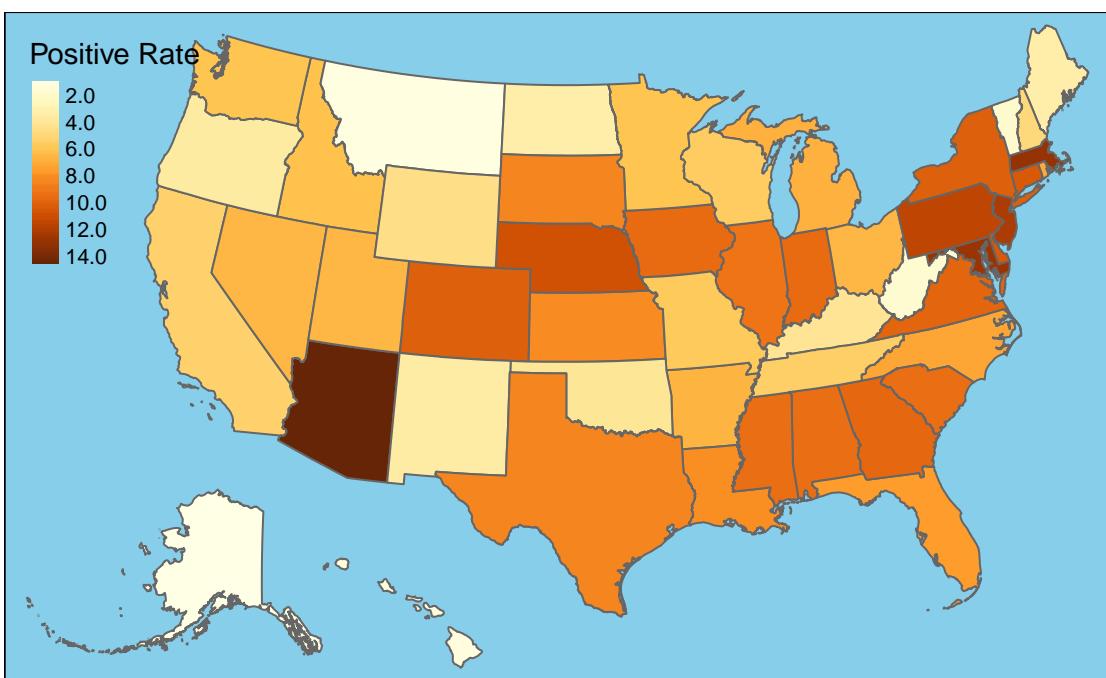
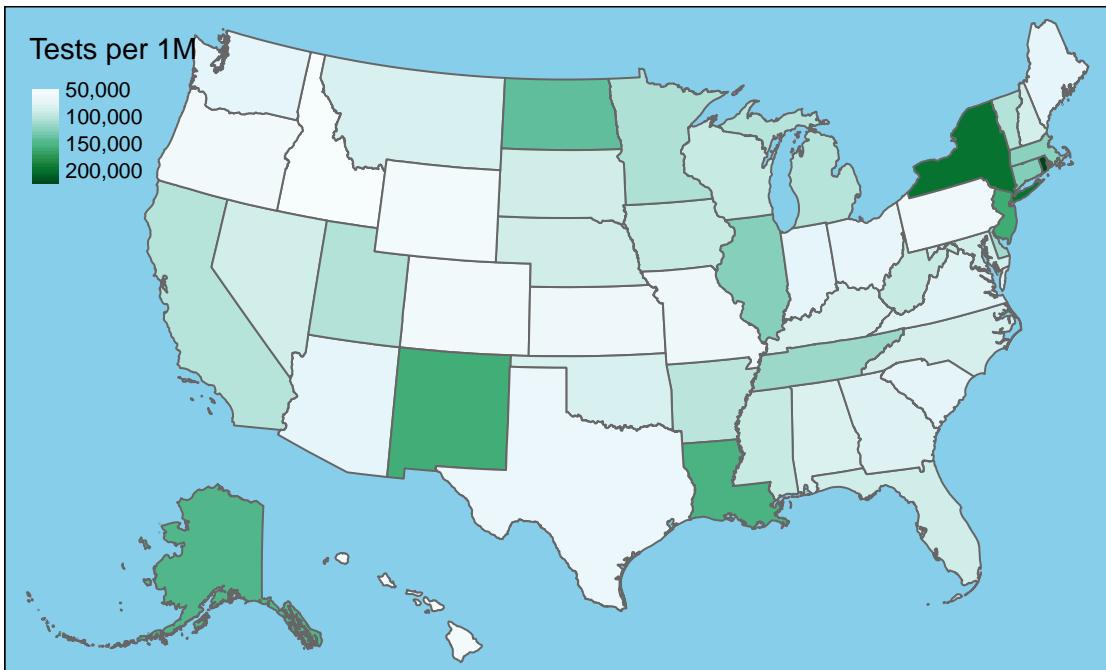


Testing



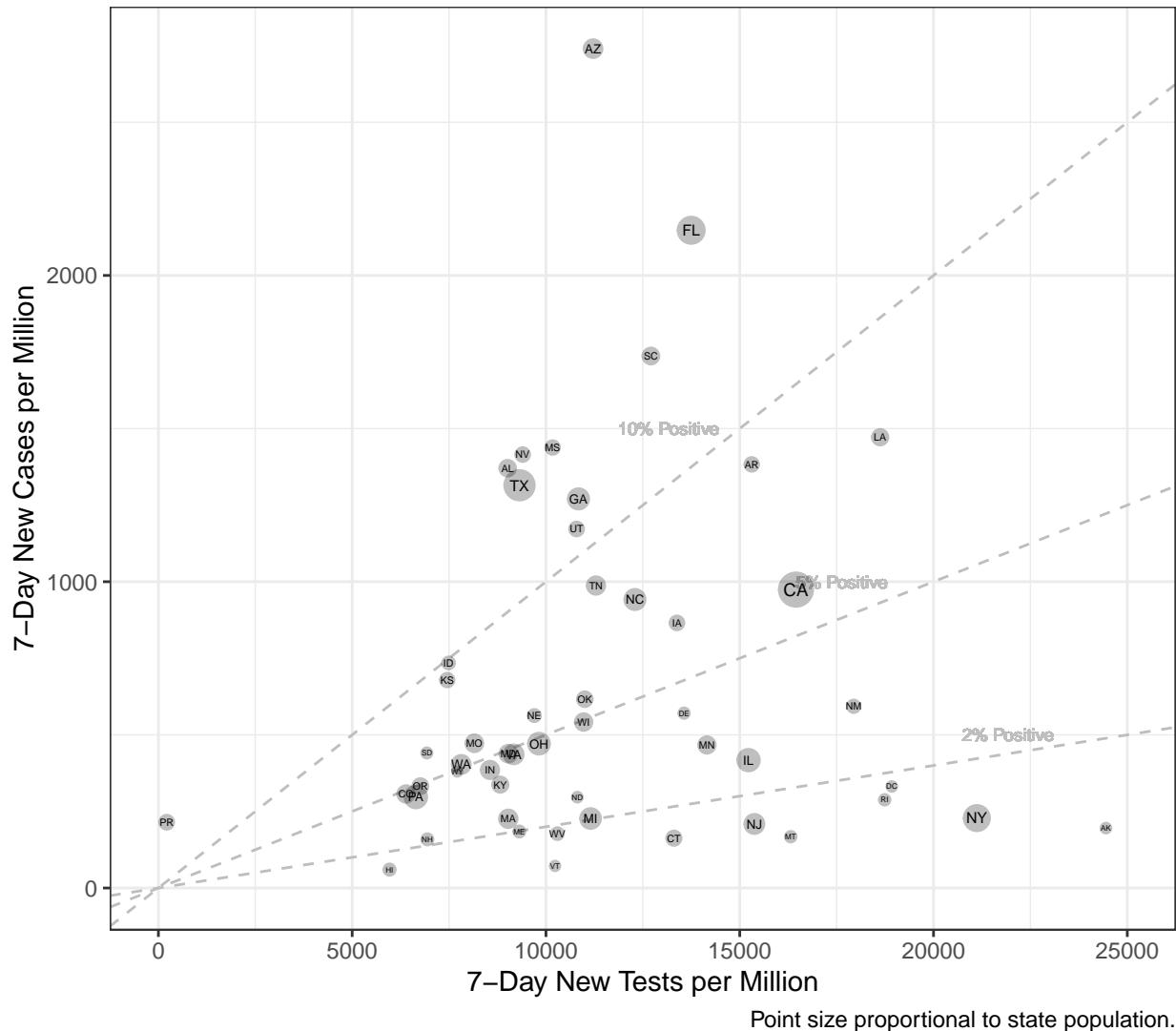
New Tests by State





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



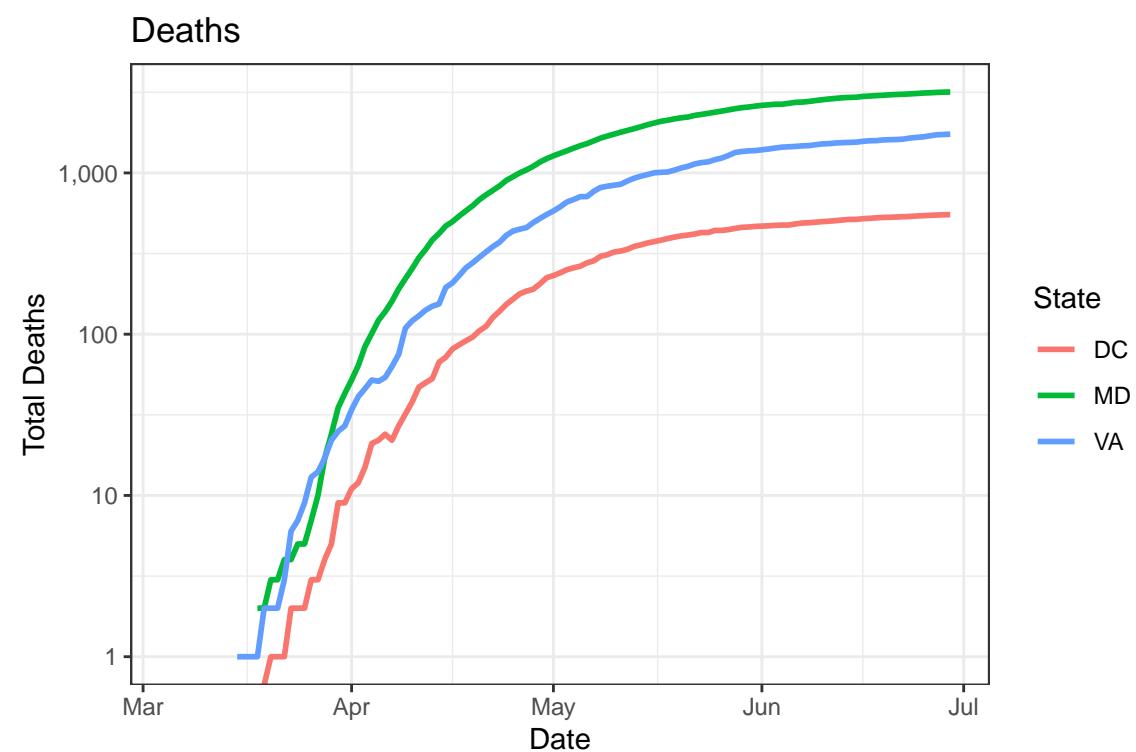
Local Data

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

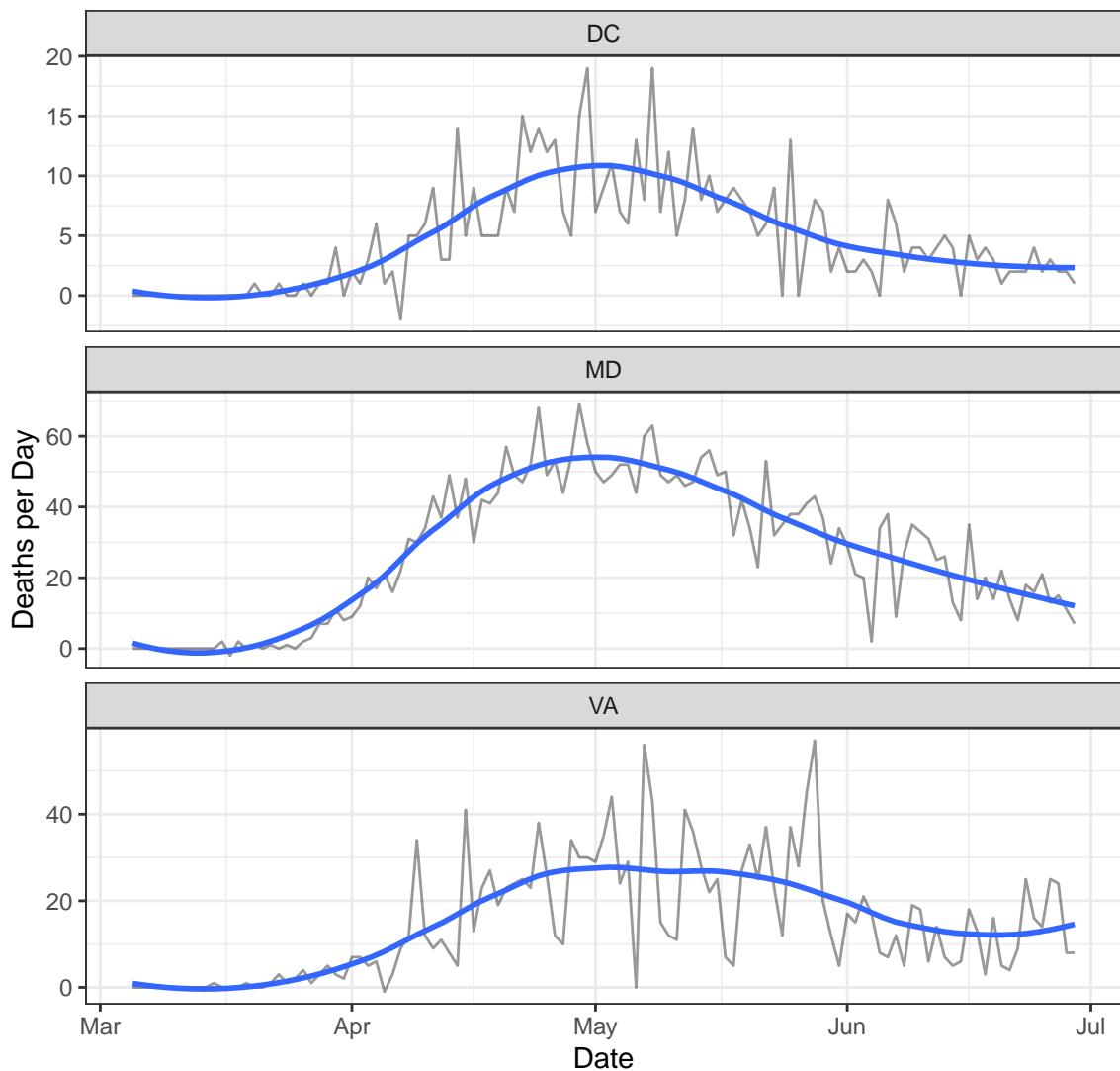
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,292	551	44	1
MD	67,254	3,175	477	7
VA	62,189	1,740	453	8

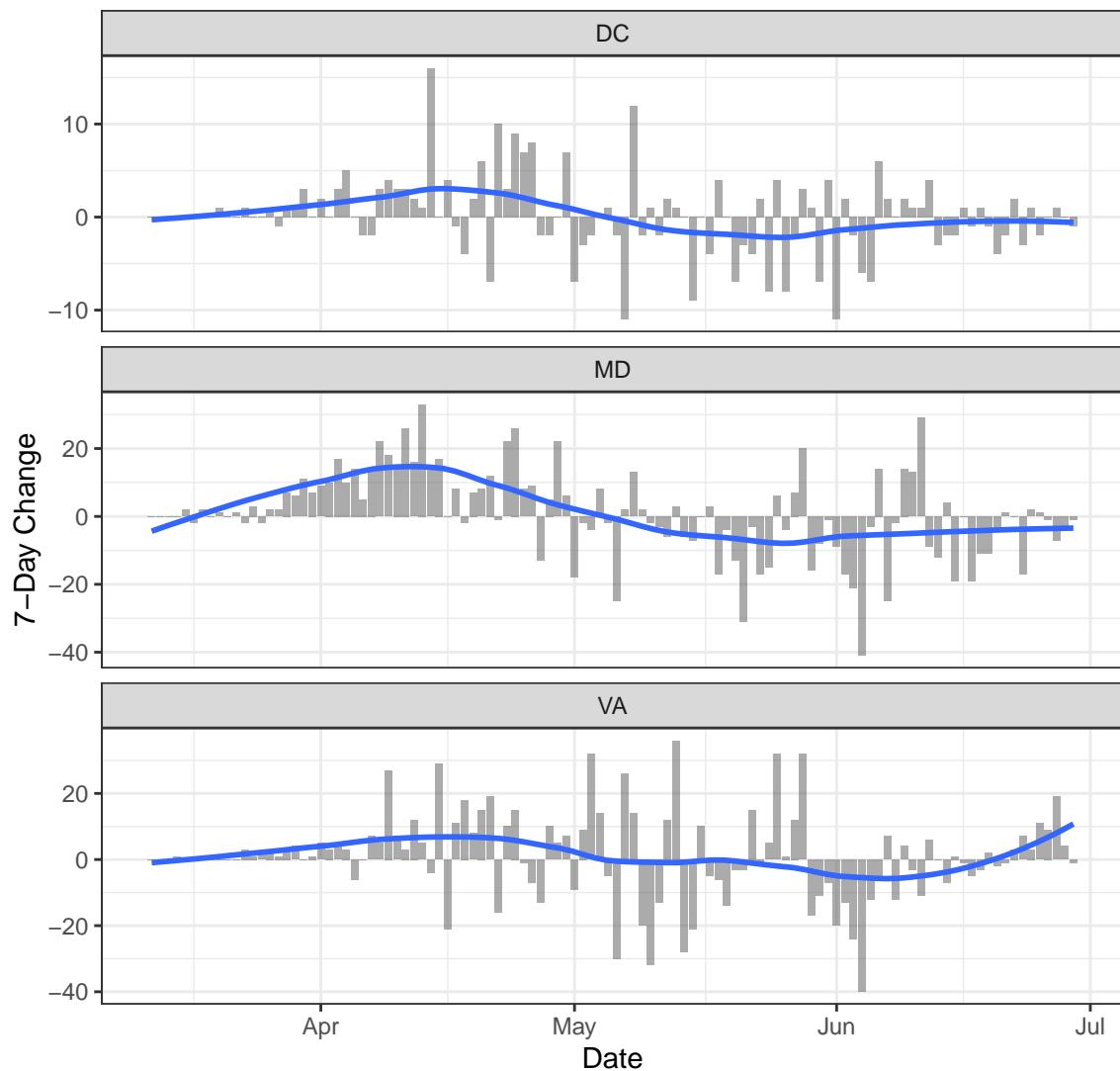
Deaths

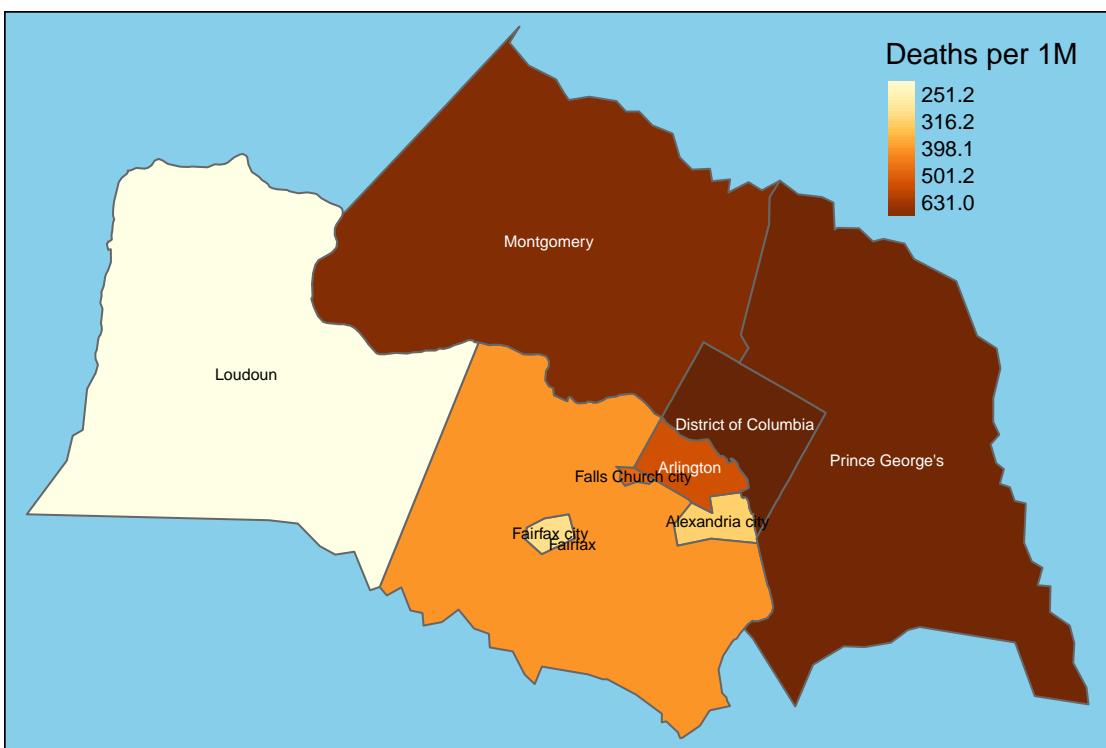
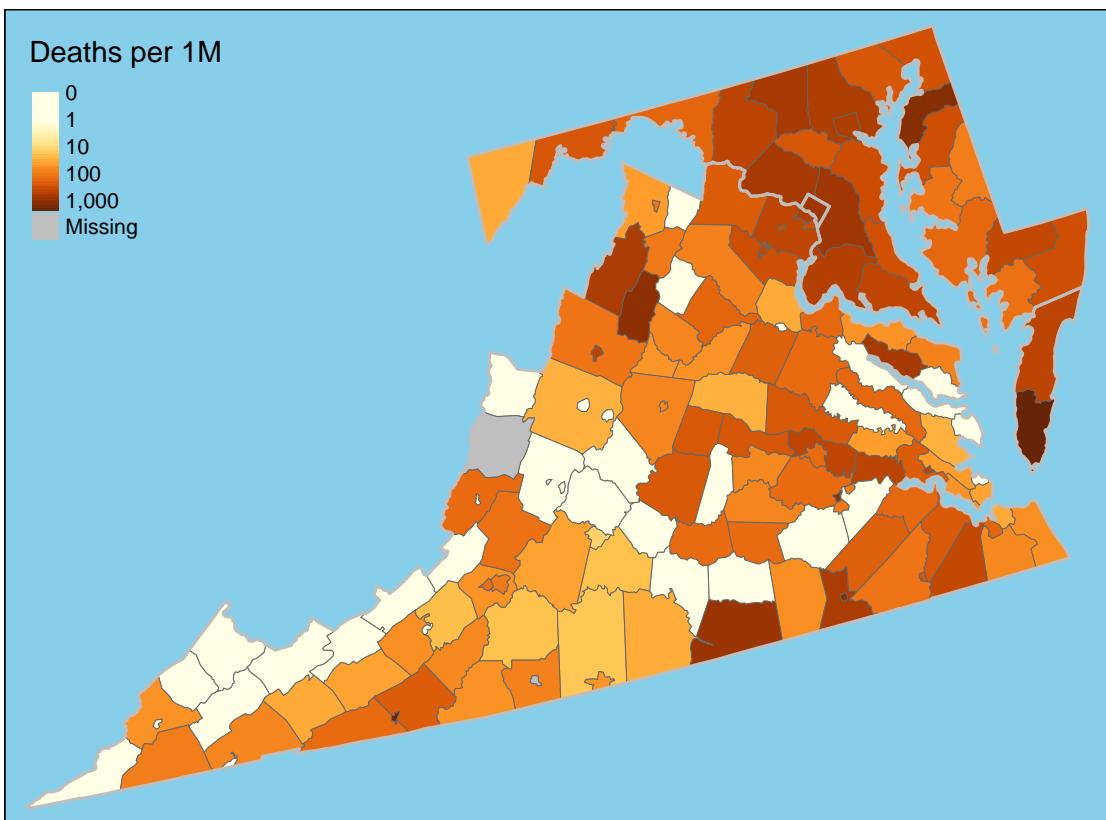


New Deaths

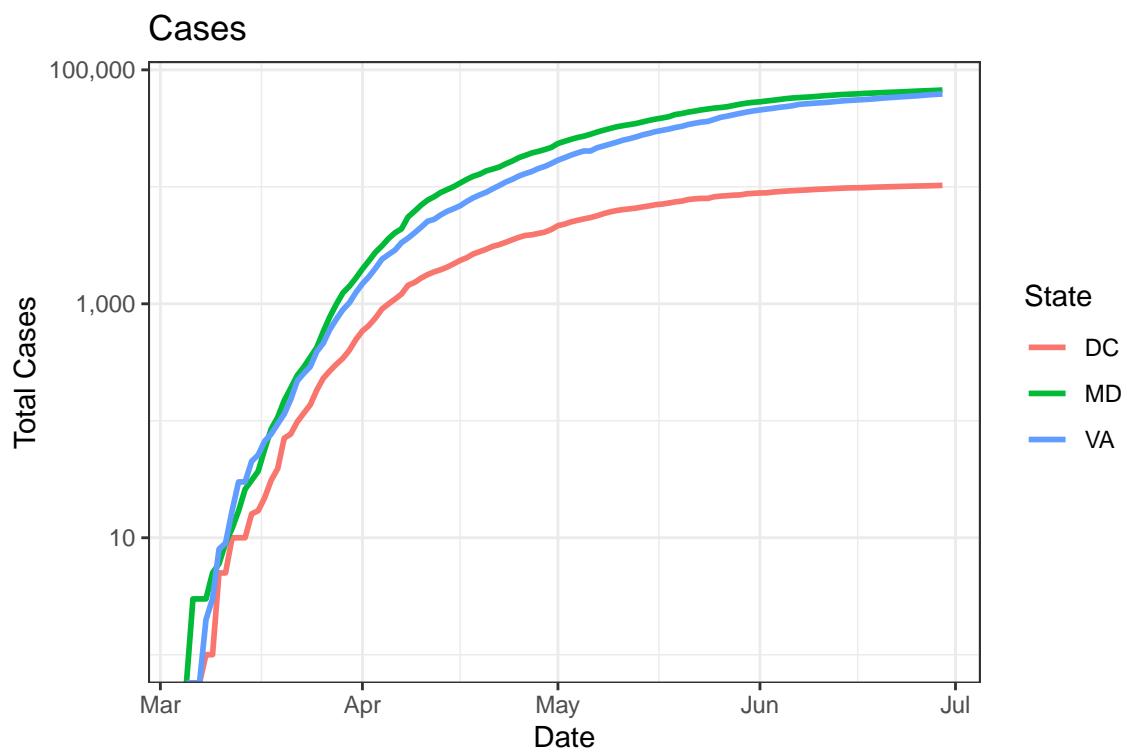


One-Week Change in Daily Deaths

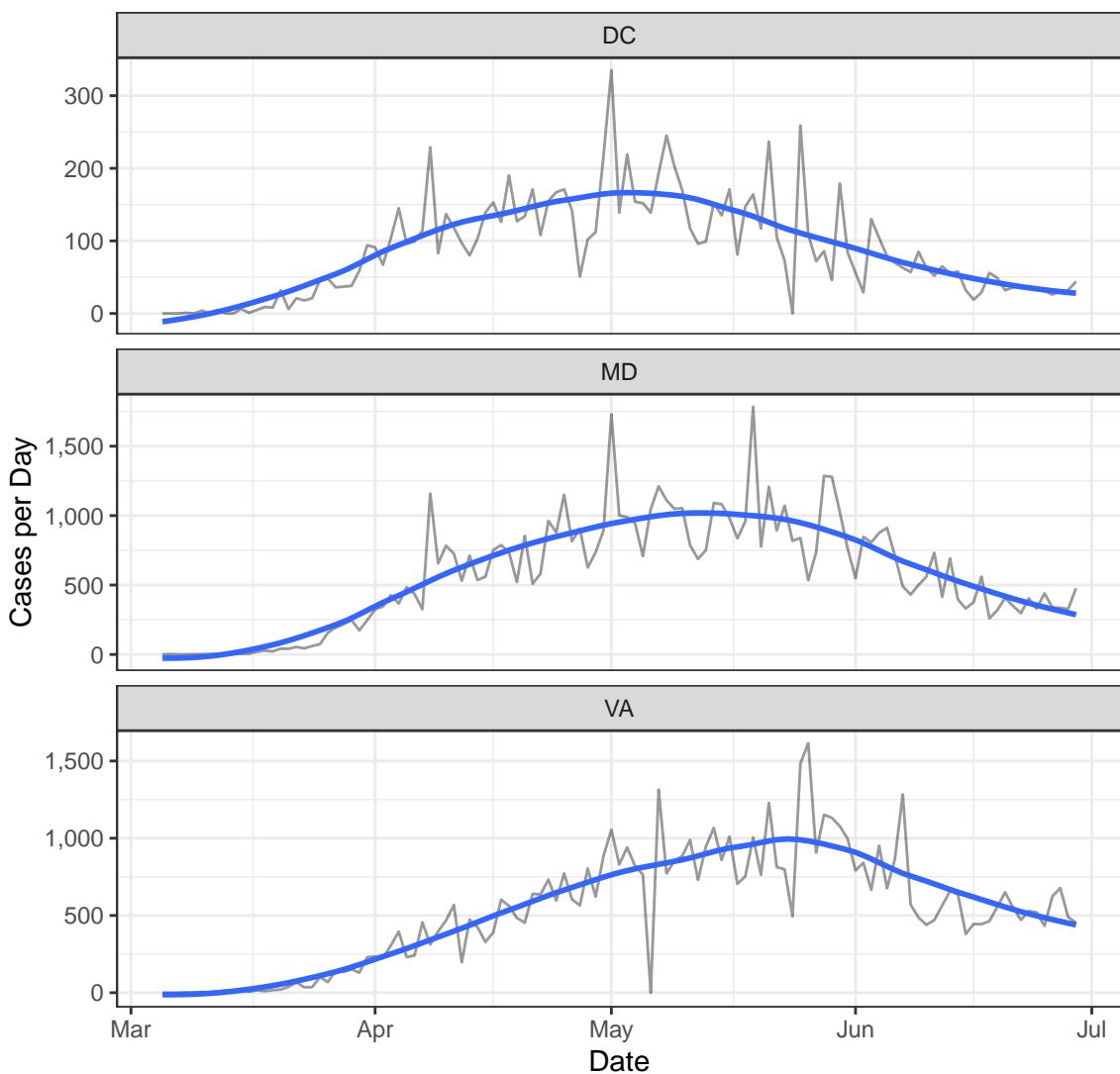




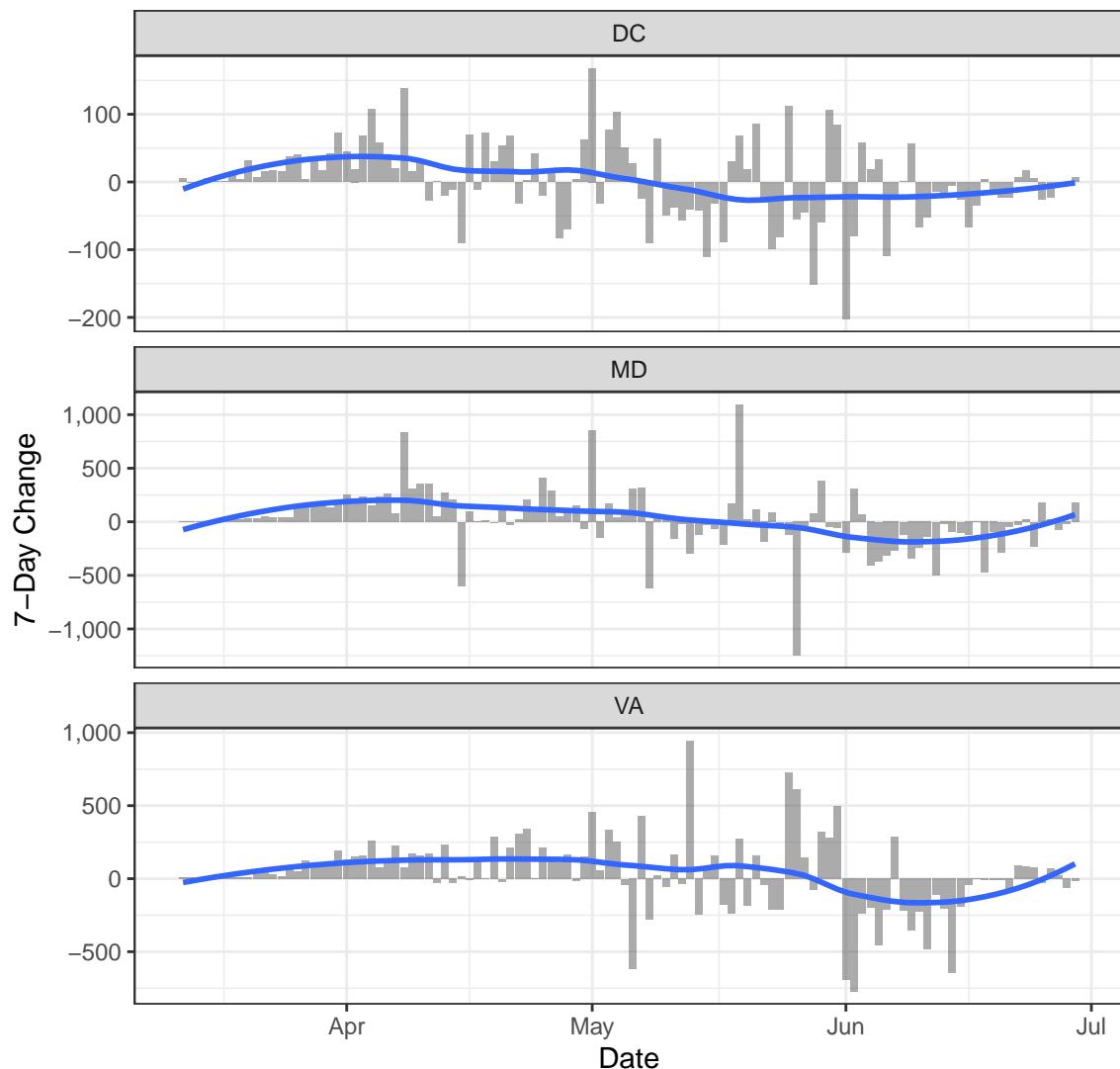
Cases

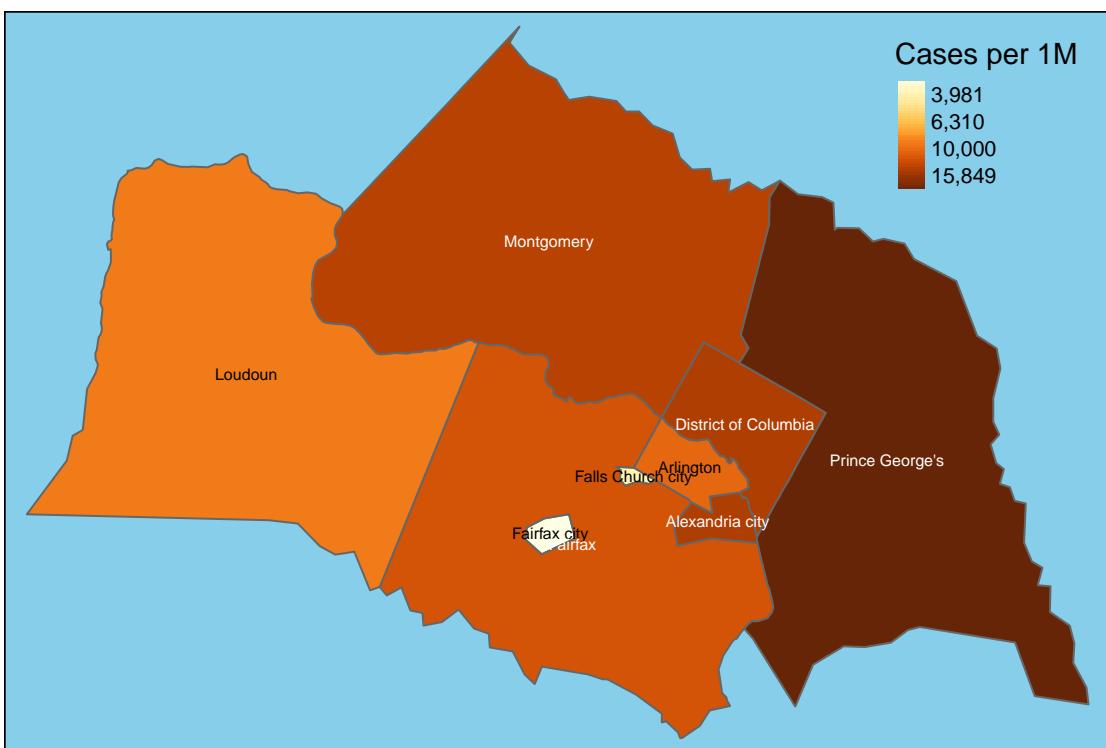
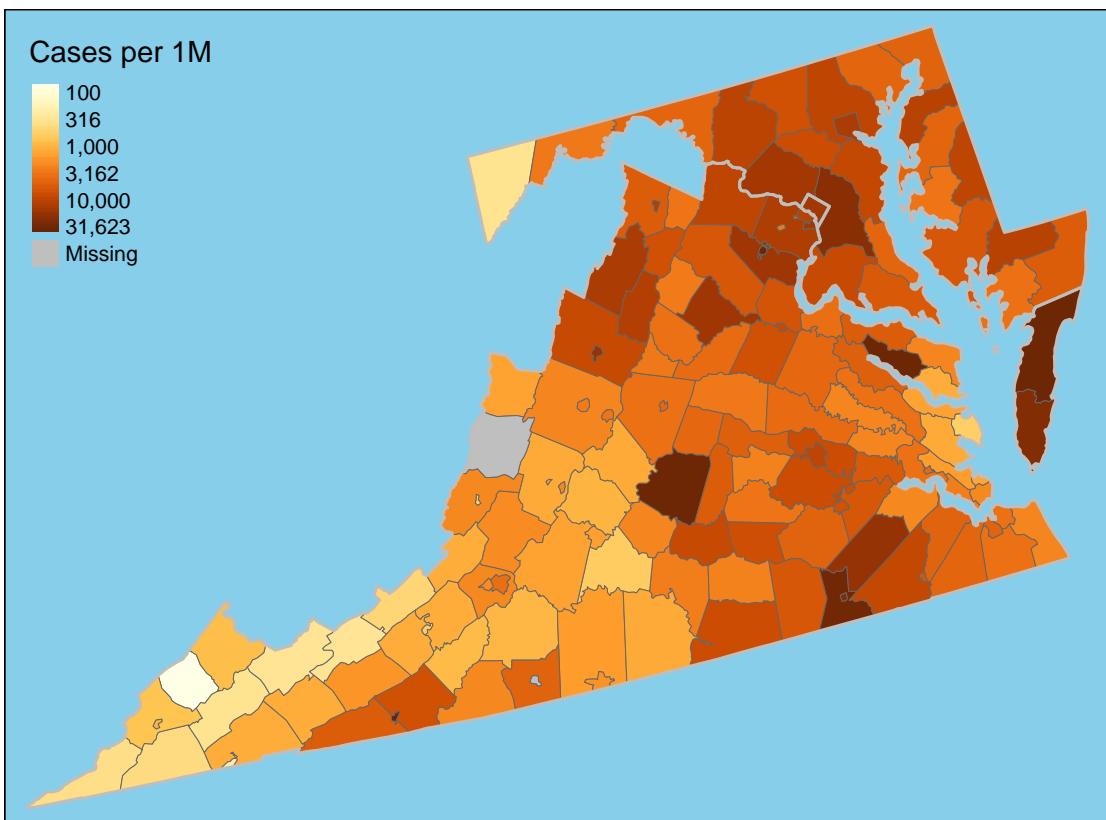


New Cases

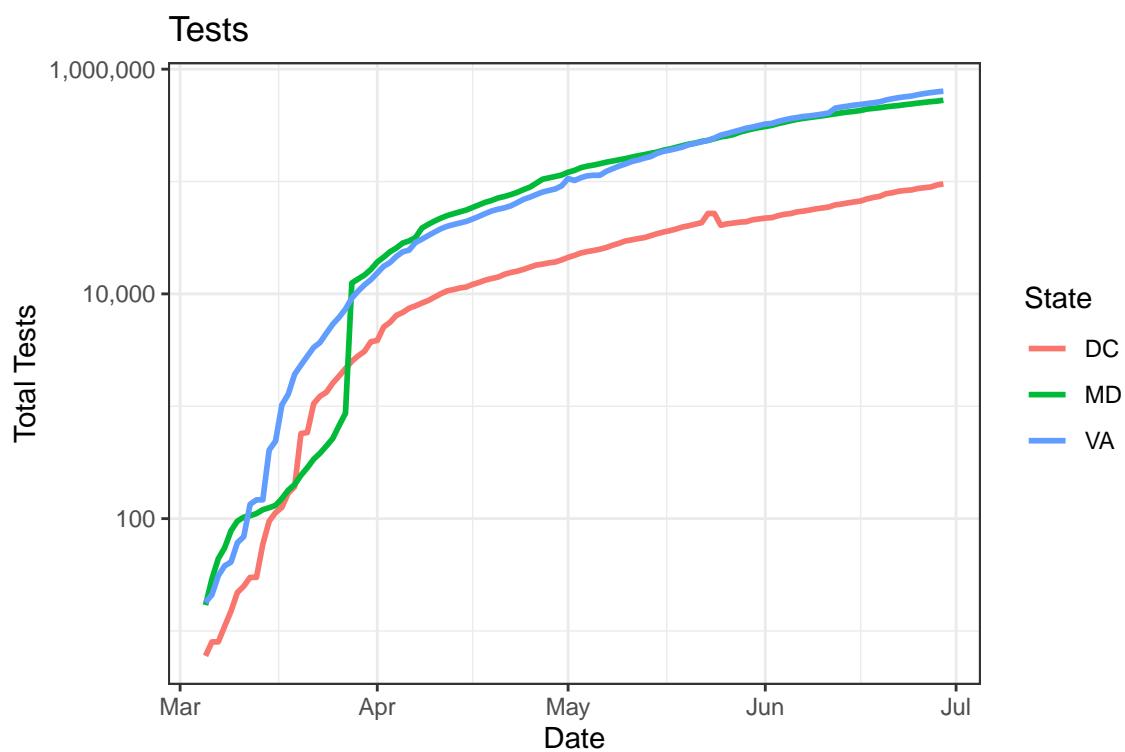


One-Week Change in Daily Cases

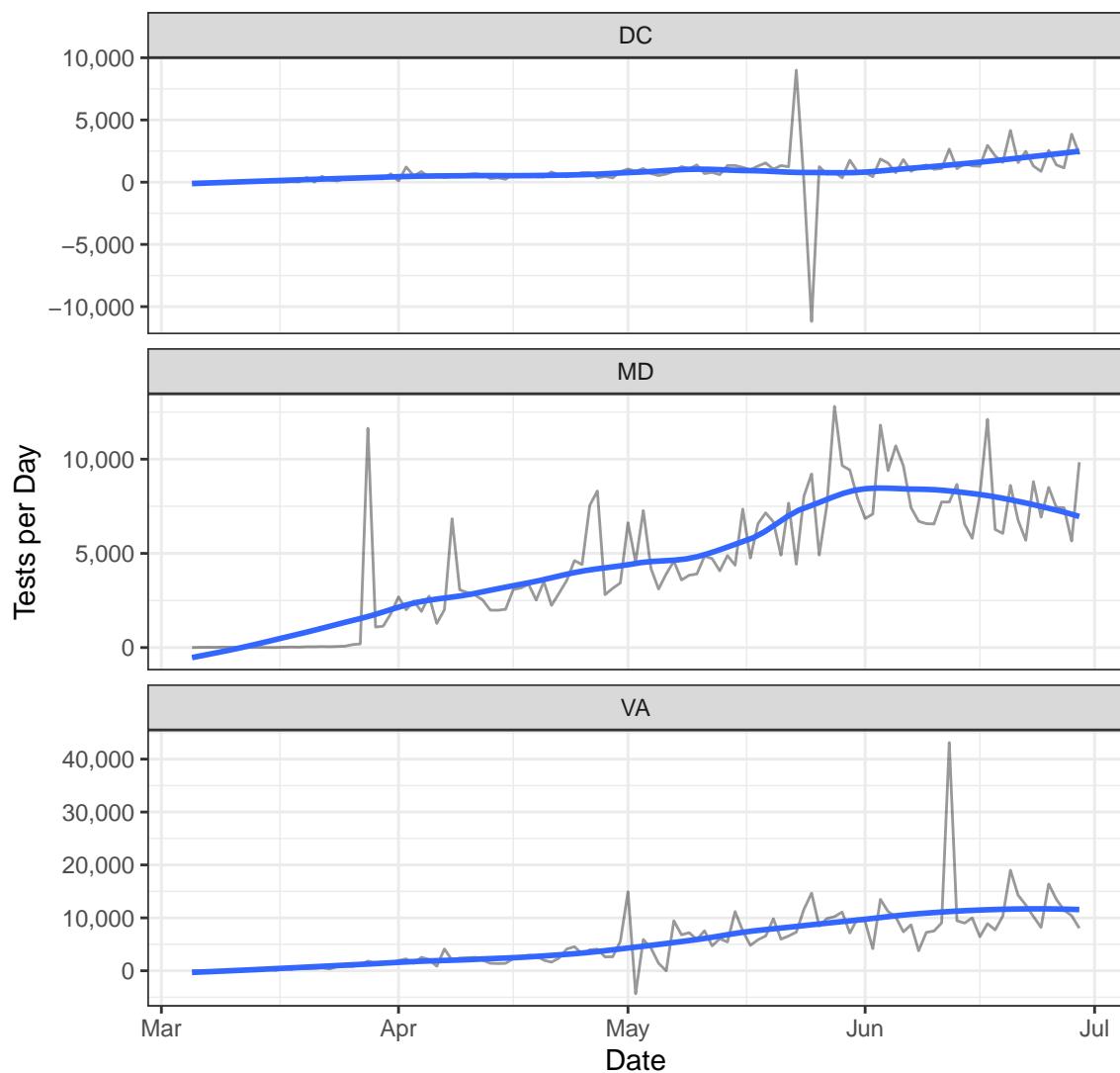




Testing



New Tests



Positive Test Rate

