

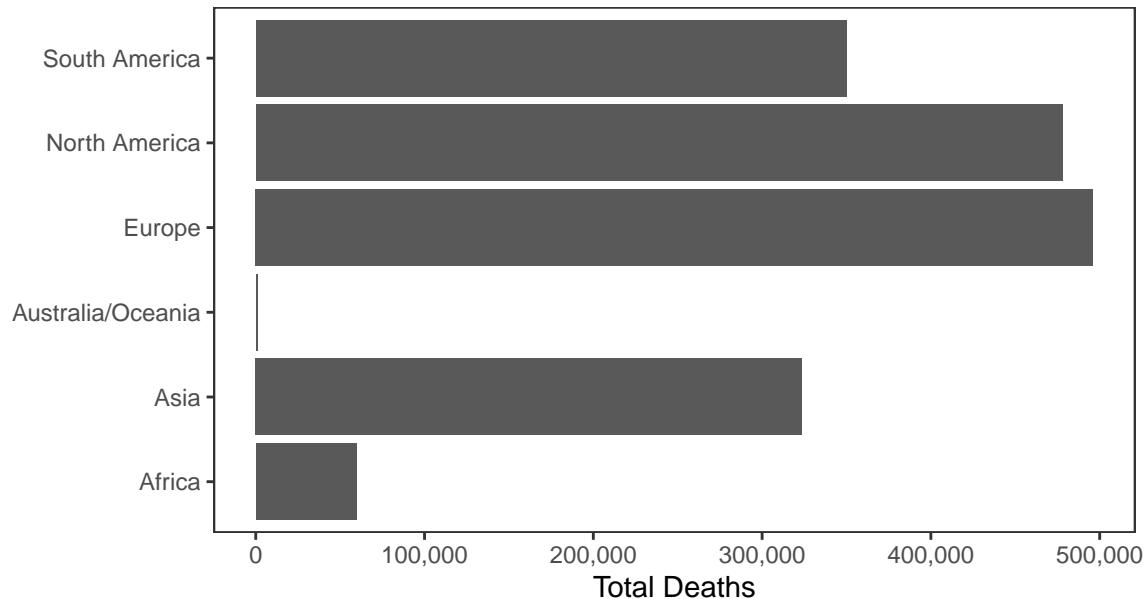
Erik's Covid-19 Chart Pack

Data updated 2020-12-22 08:09:37. 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 77,707,329 confirmed Covid-19 cases and 1,708,526 deaths worldwide.

Deaths



Cases

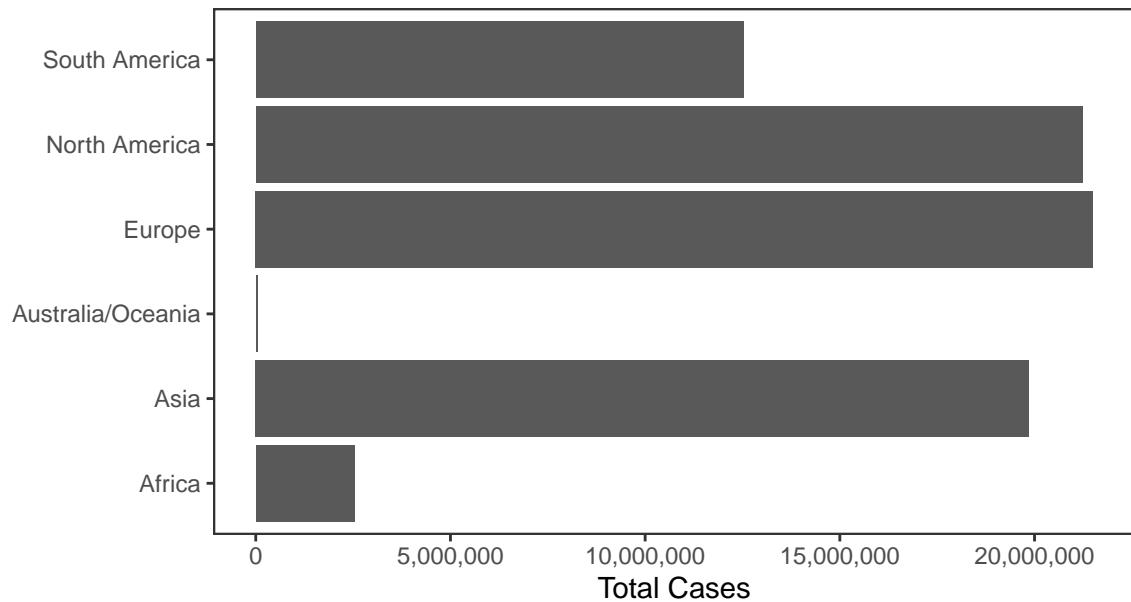
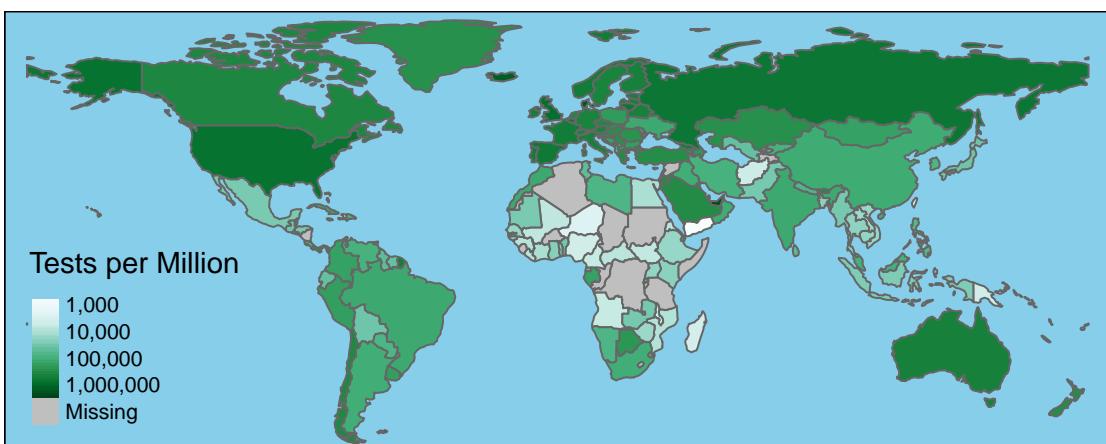
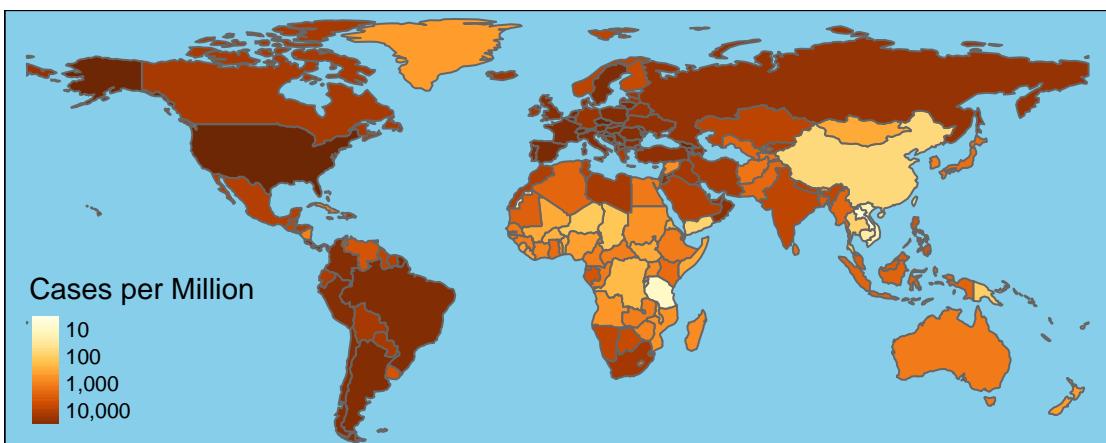
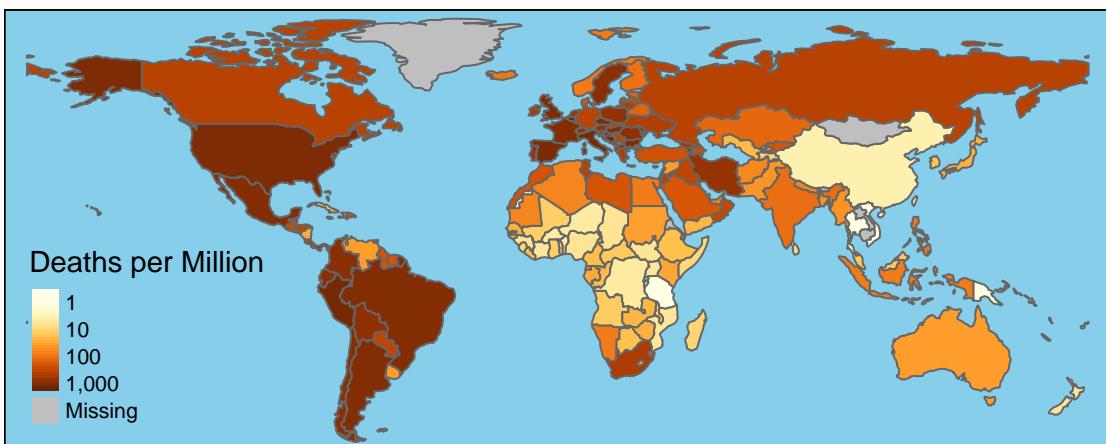


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	18,473,716	326,772	200,109	1,841
India	10,075,422	146,145	19,174	302
Brazil	7,264,221	187,322	25,621	549
Russia	2,877,727	51,351	29,350	493
France	2,479,151	60,900	5,797	351
UK	2,073,511	67,616	33,364	215
Turkey	2,043,704	18,351	19,103	254
Italy	1,964,054	69,214	10,872	415
Spain	1,830,110	49,260	7,503	112
Argentina	1,547,138	41,997	5,853	184
Germany	1,534,116	27,297	19,333	533
Colombia	1,518,067	40,680	10,845	205
Mexico	1,320,545	118,202	6,870	326
Poland	1,207,333	25,474	4,633	77
Iran	1,164,535	53,816	6,151	191
Peru	998,475	37,173	958	70
Ukraine	970,993	16,665	6,545	80
South Africa	930,711	24,907	8,789	216
Netherlands	700,873	10,519	11,168	28
Indonesia	671,778	20,085	6,848	205



National Data

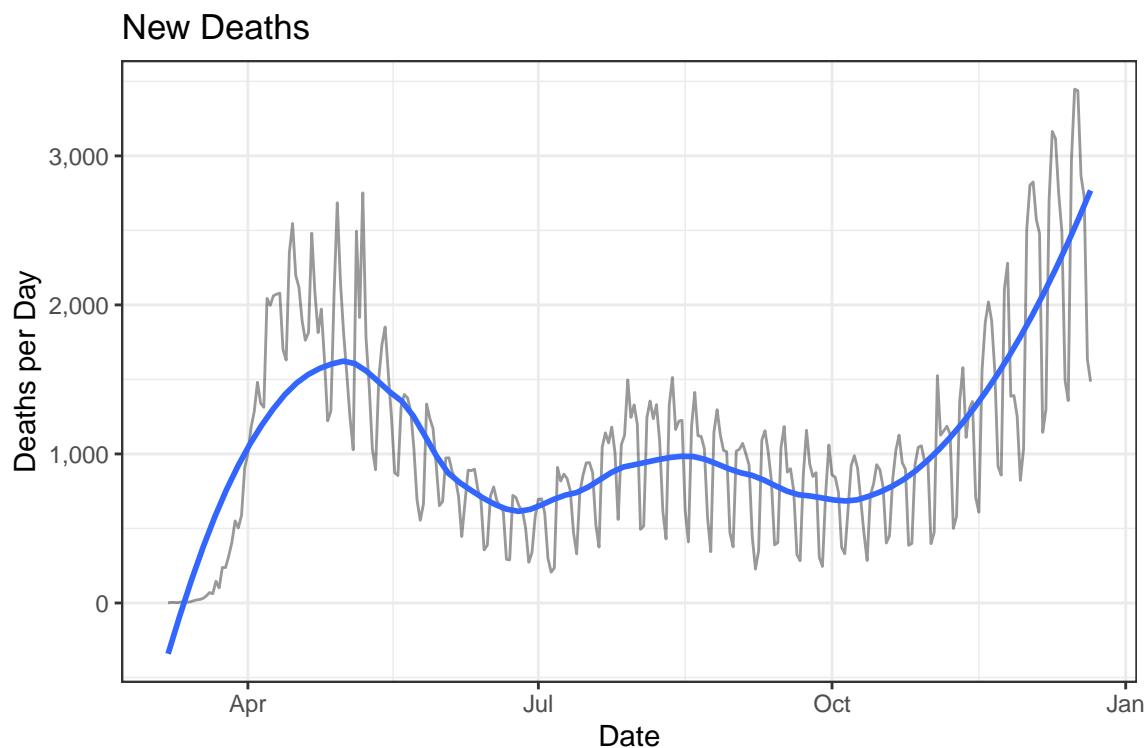
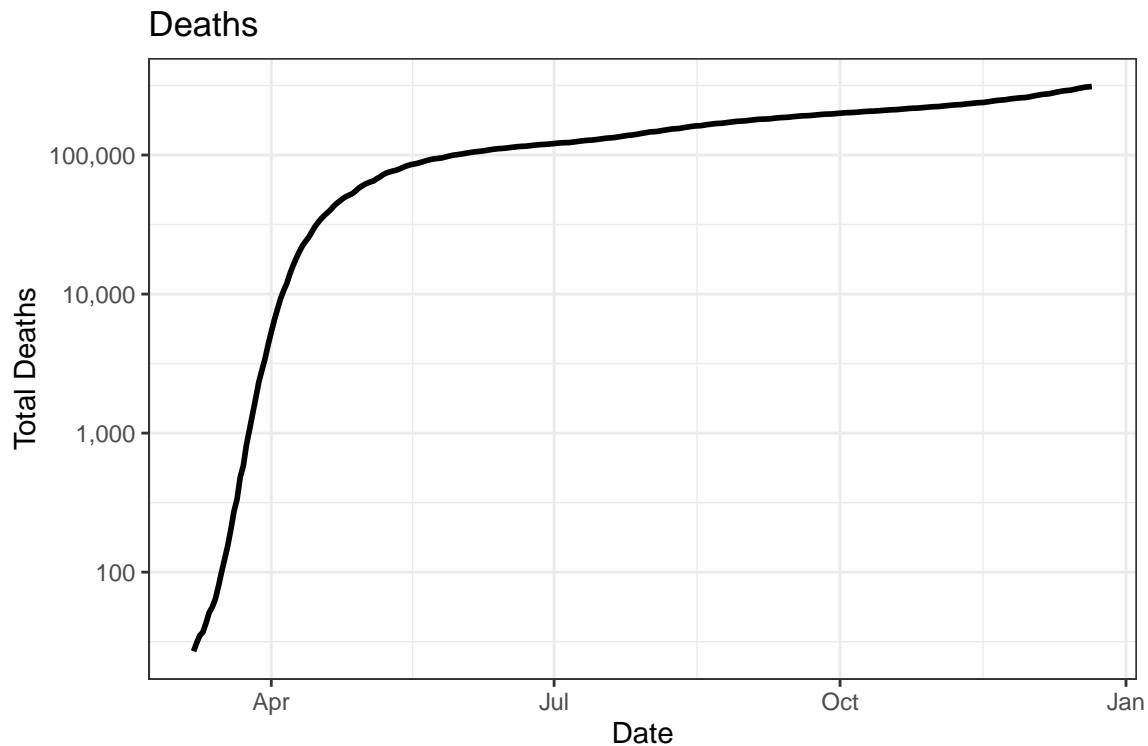
There have been 17,828,084 confirmed Covid-19 cases and 310,968 deaths in the United States.

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

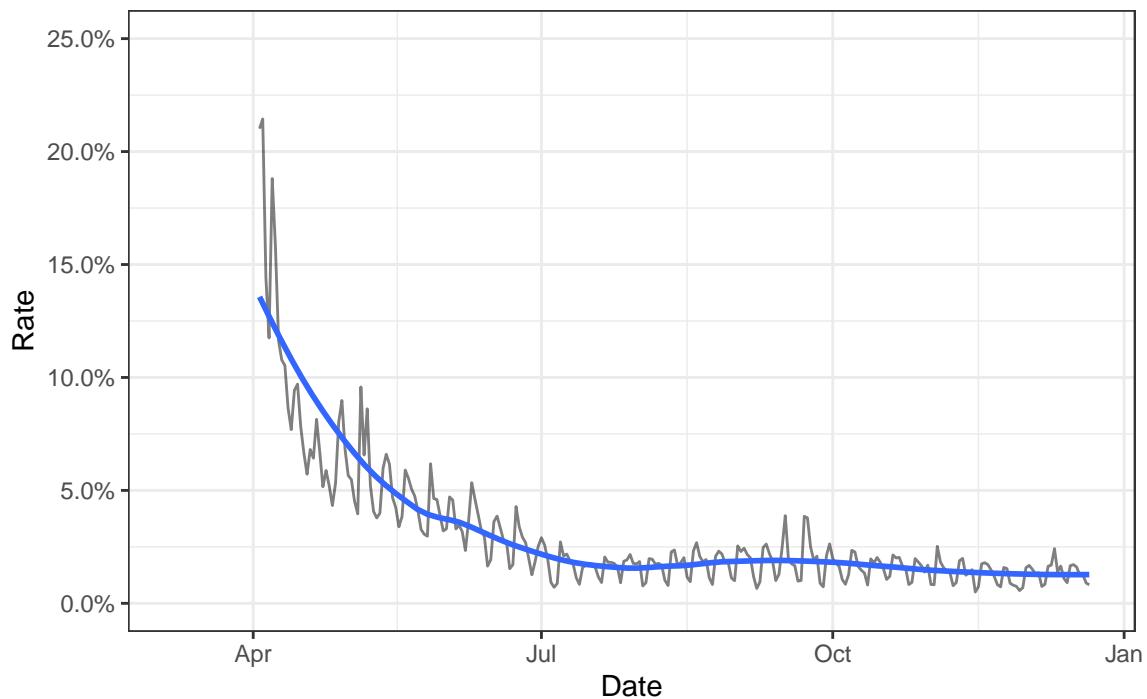
Date	Cases	Deaths	New Cases	New Deaths
2020-12-21	17,828,084	310,968	178,191	1,485
2020-12-20	17,649,893	309,483	196,017	1,633
2020-12-19	17,453,876	307,850	202,812	2,723
2020-12-18	17,251,064	305,127	239,246	2,866
2020-12-17	17,011,818	302,261	240,156	3,438
2020-12-16	16,771,662	298,823	231,653	3,448
2020-12-15	16,540,009	295,375	189,783	2,971
2020-12-14	16,350,226	292,404	192,466	1,358
2020-12-13	16,157,760	291,046	185,801	1,494
2020-12-12	15,971,959	289,552	224,476	2,494
2020-12-11	15,747,483	287,058	234,817	2,749
2020-12-10	15,512,666	284,309	218,951	3,115
2020-12-09	15,293,715	281,194	214,183	3,164
2020-12-08	15,079,532	278,030	215,112	2,703

Deaths

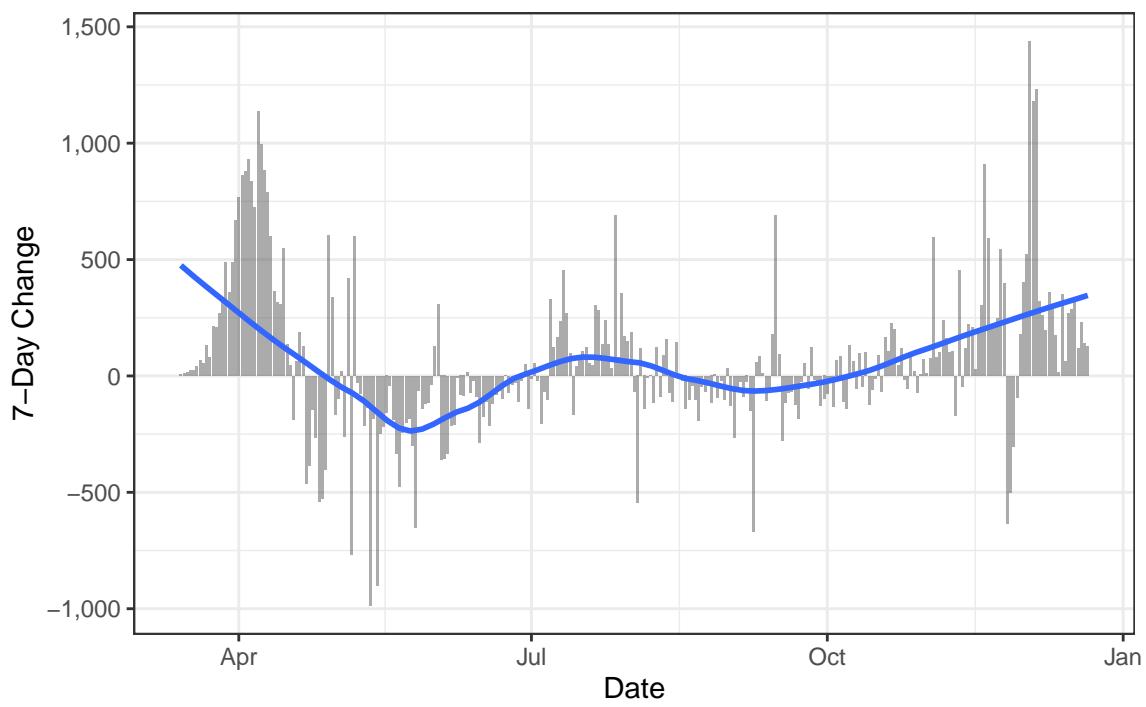
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

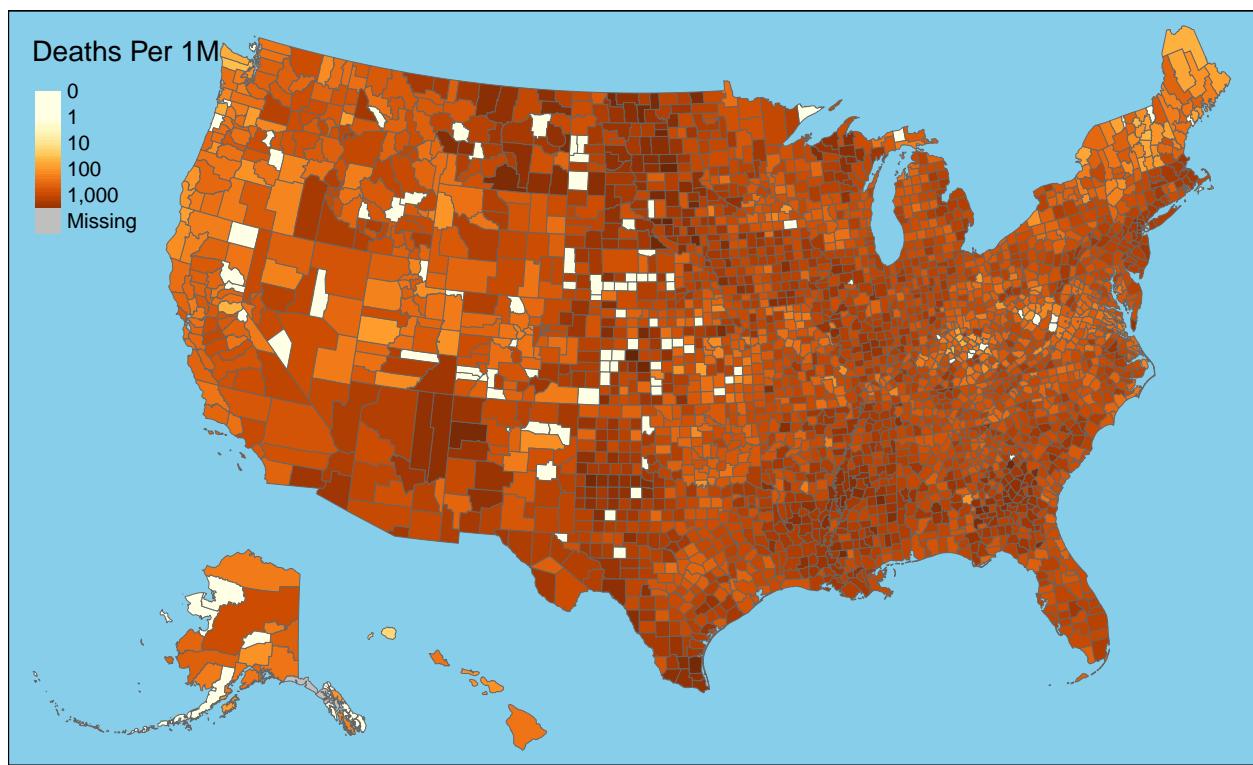


Daily Case Mortality Rate



One-Week Change in Daily Deaths

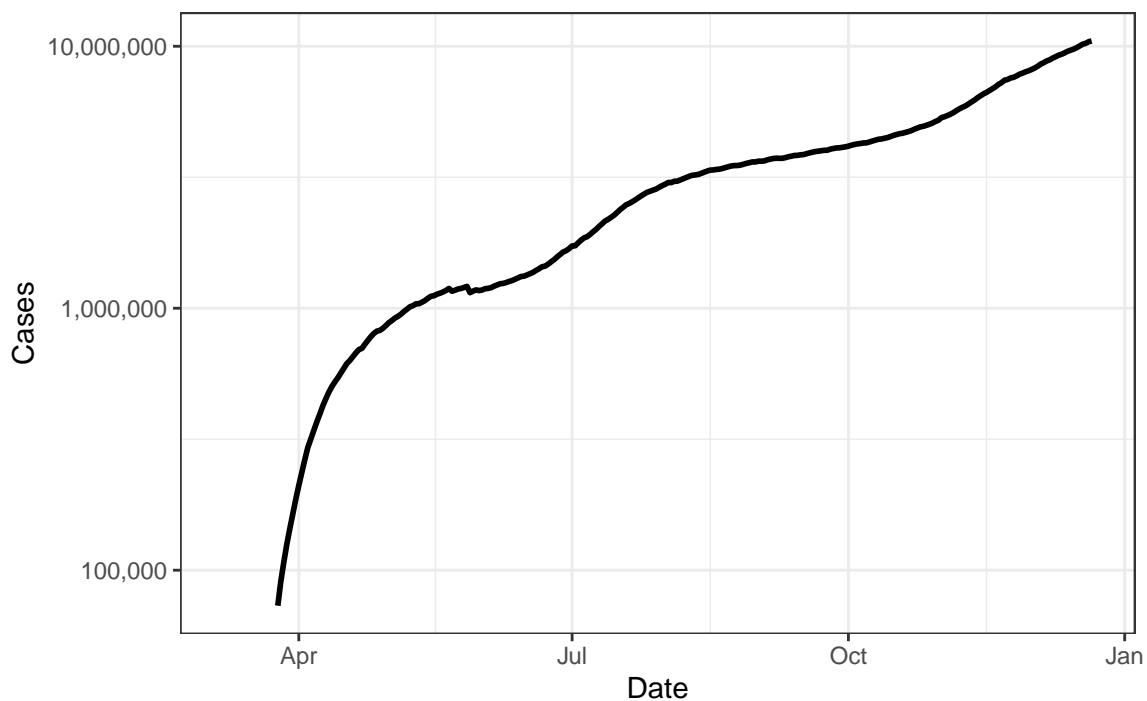




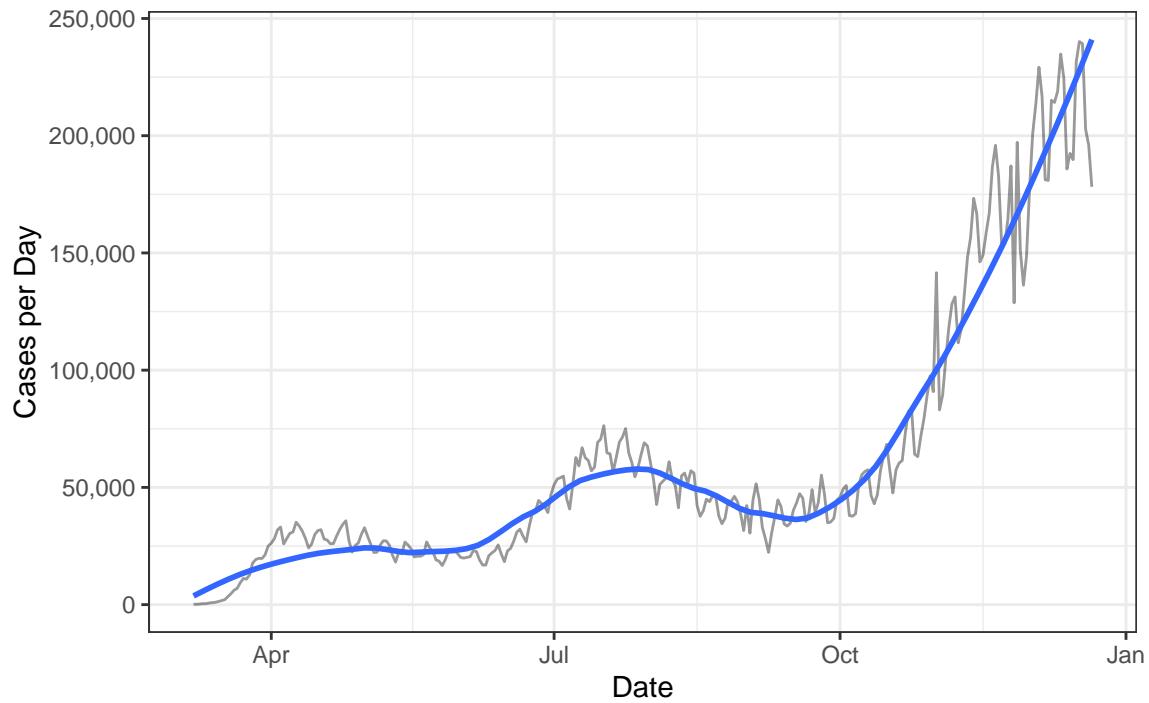
Cases

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

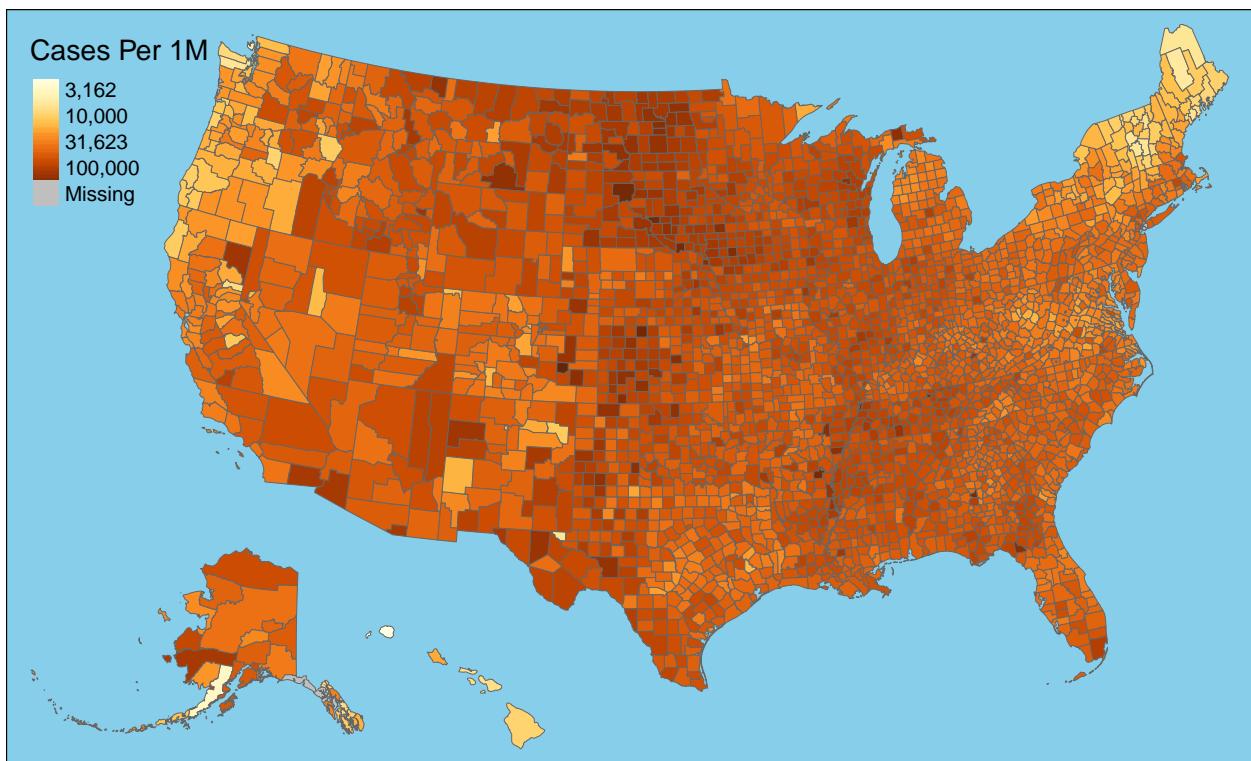
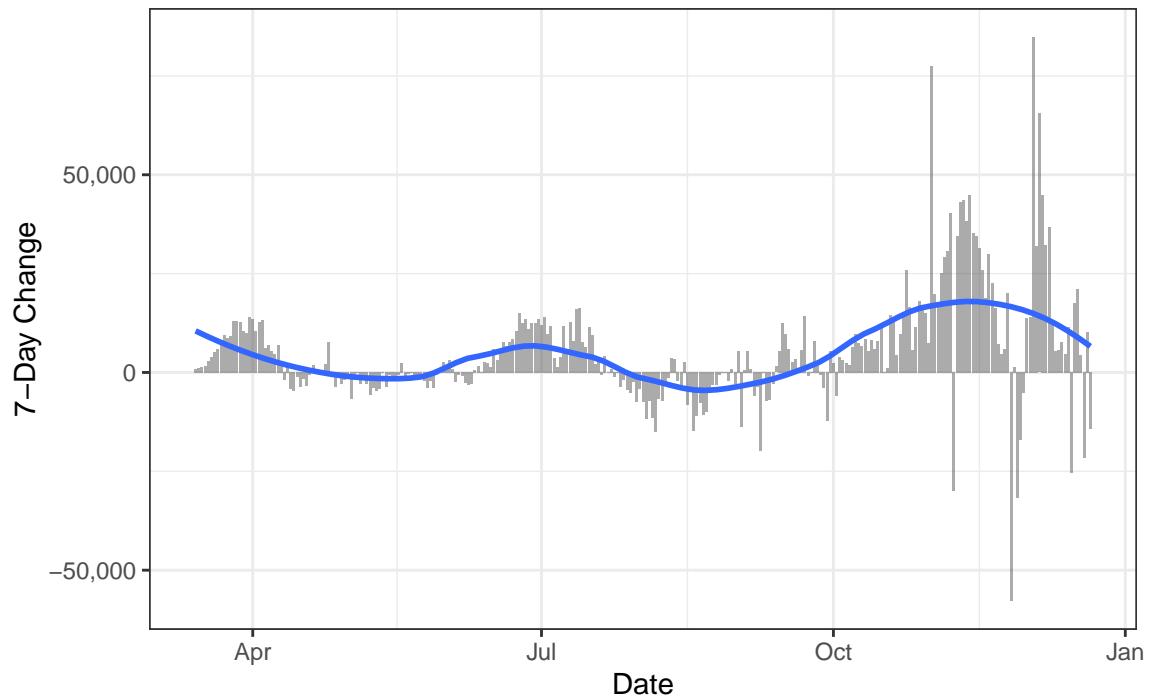
Active Cases



New Cases

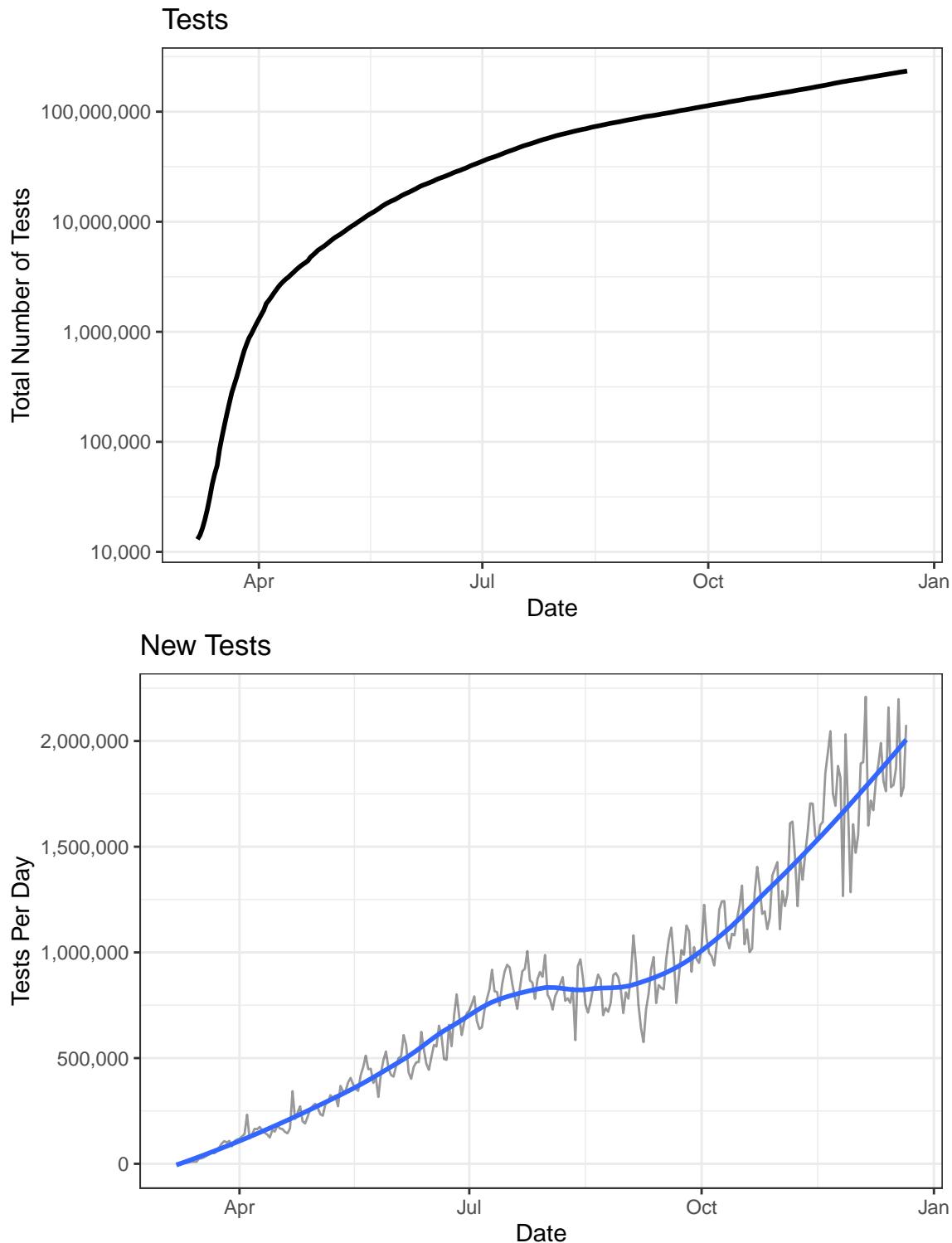


One-Week Change in Daily Cases

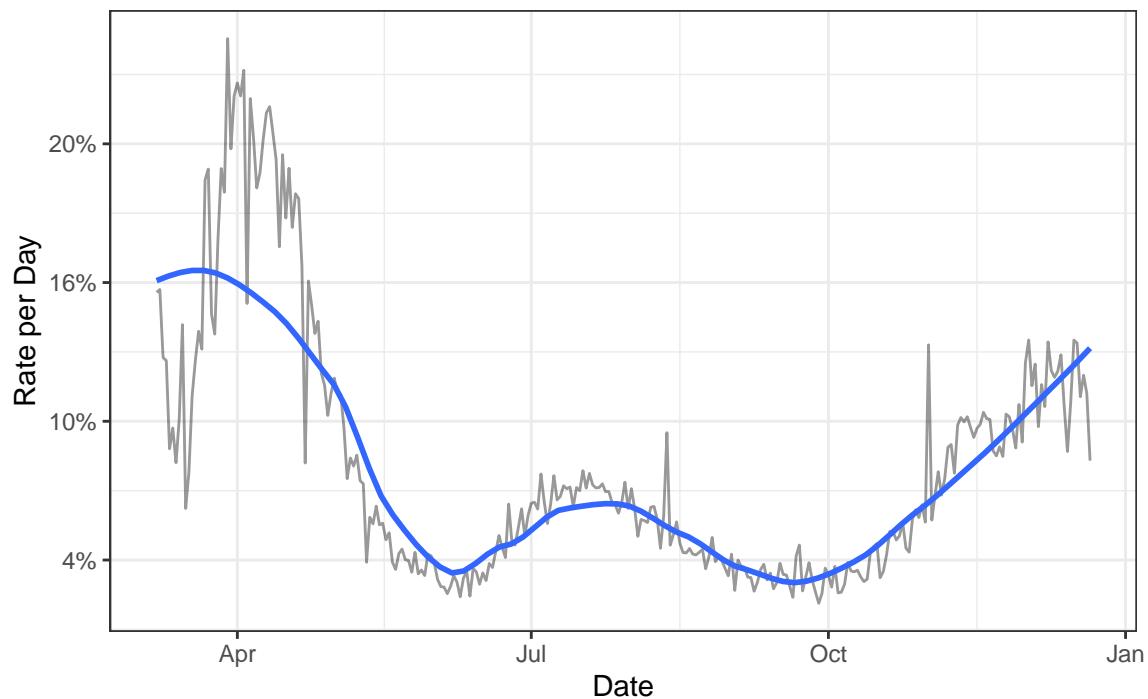


Testing

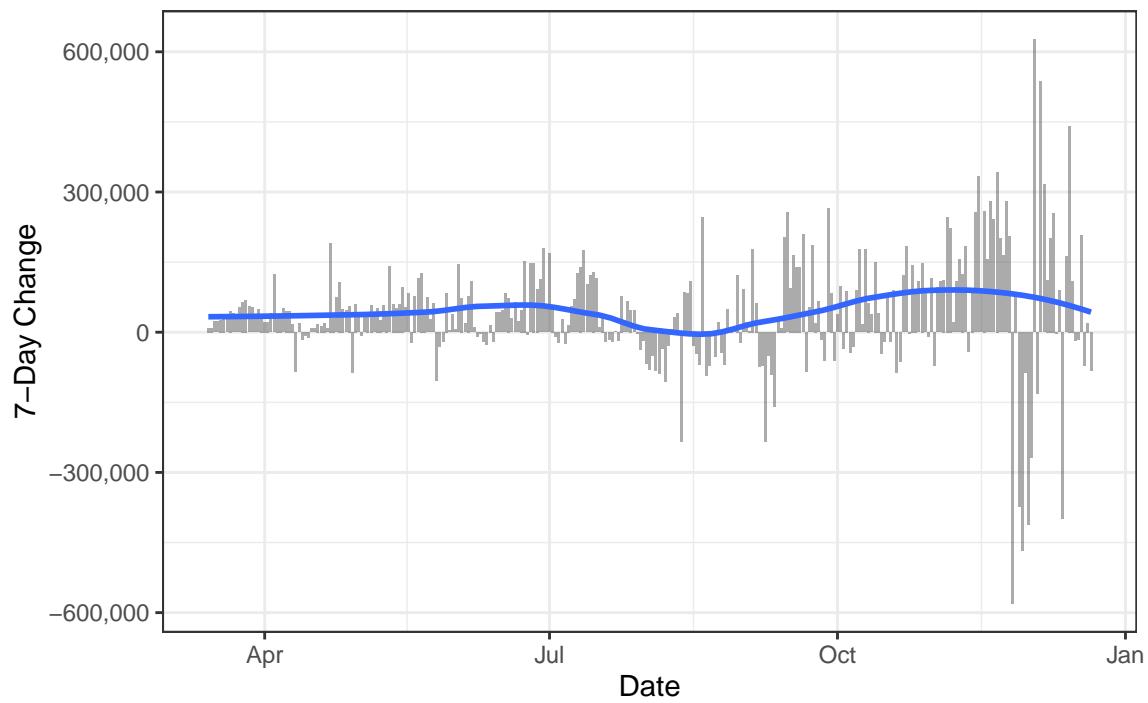
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

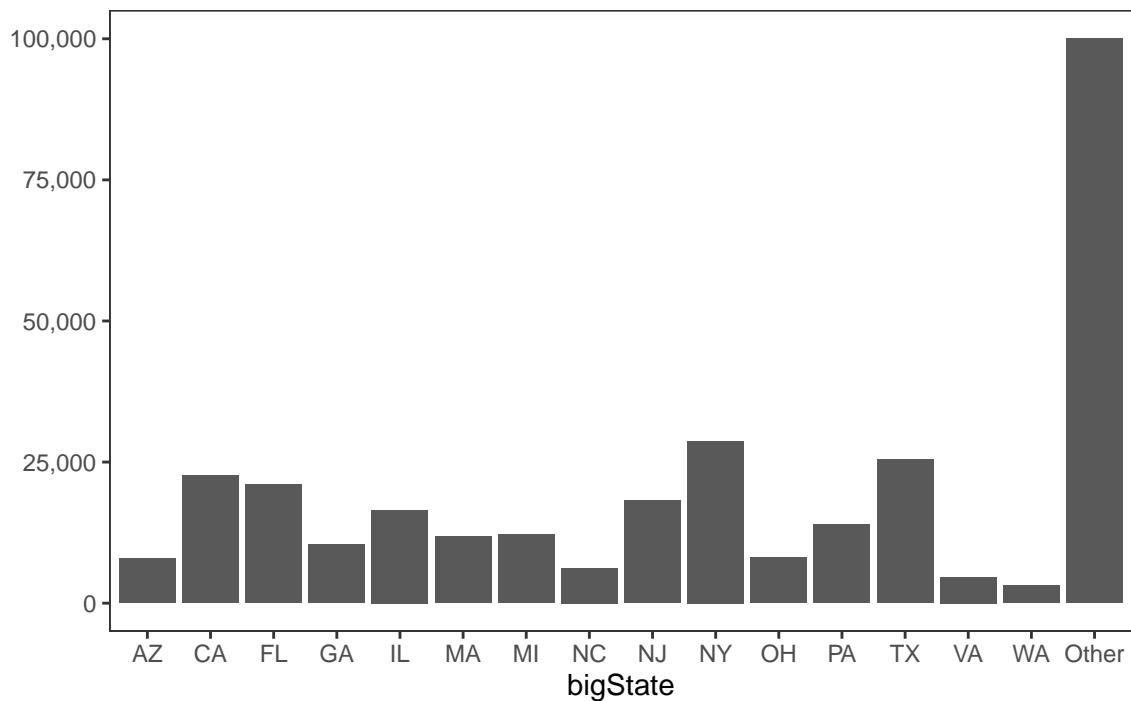


State Data

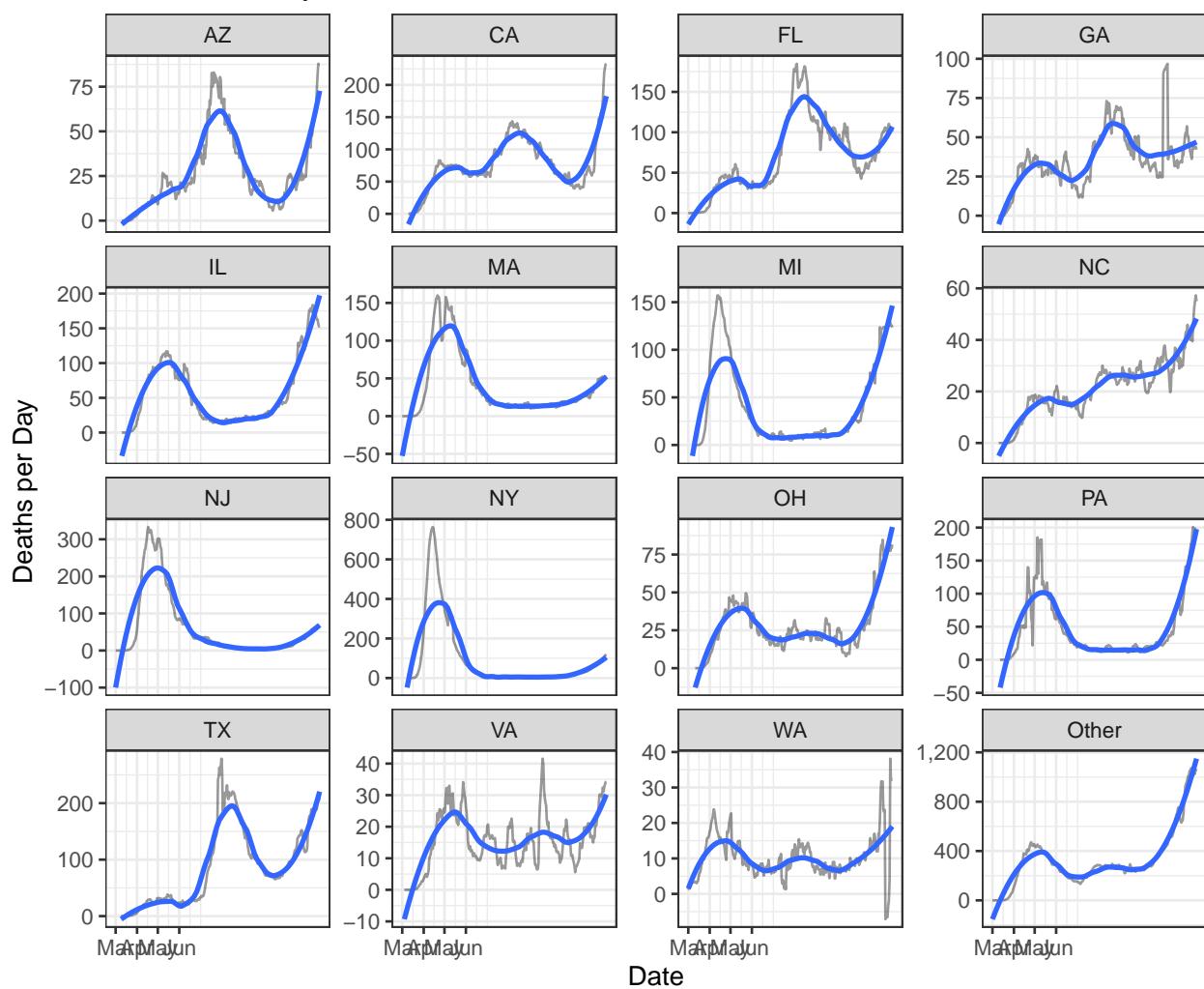
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

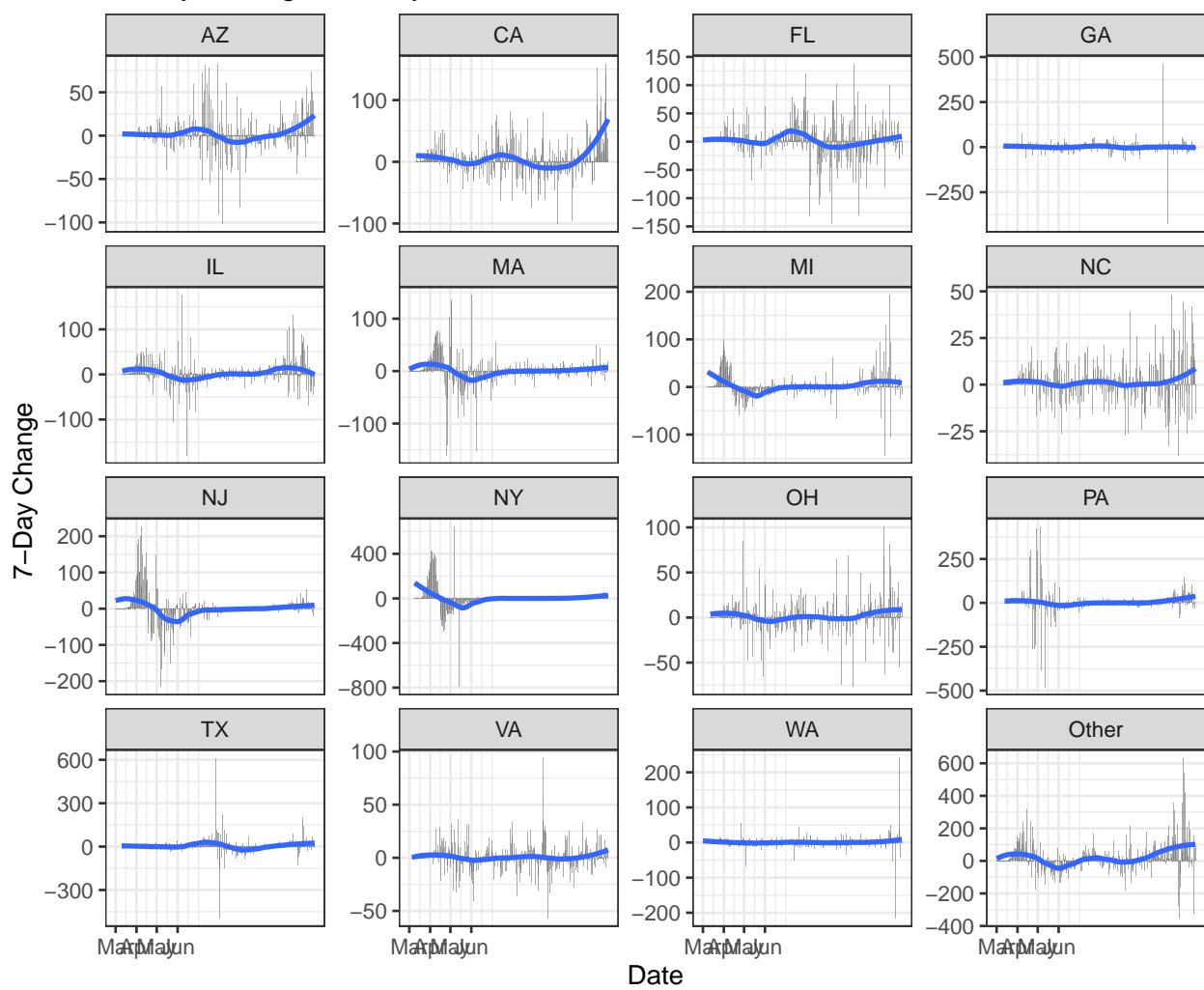
Deaths by State

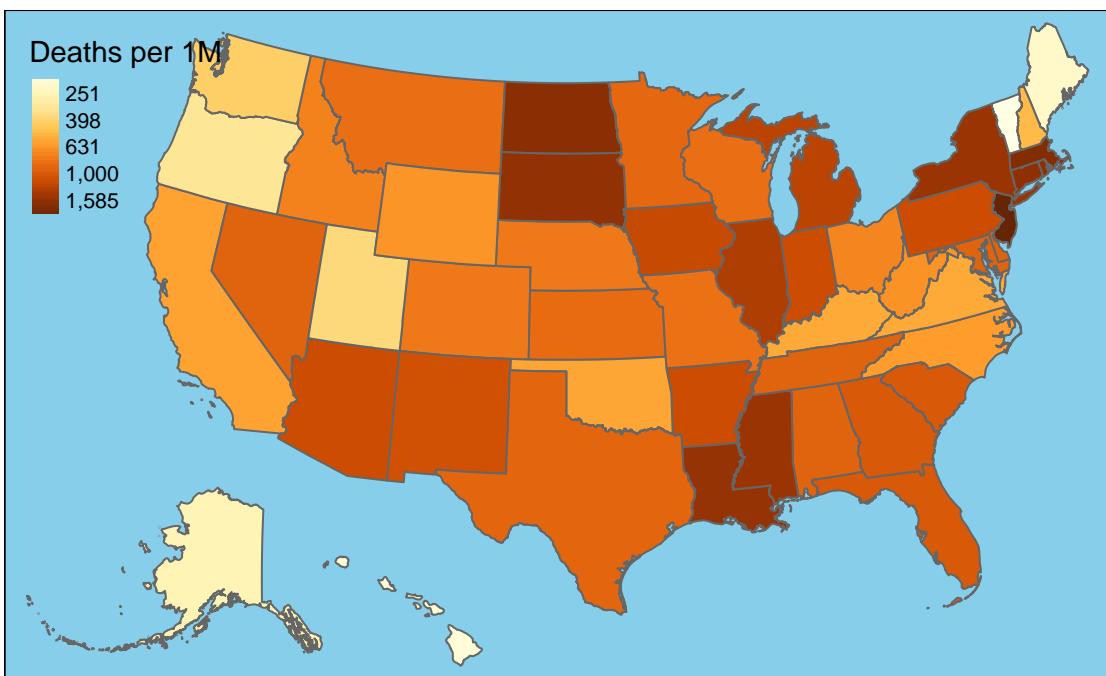
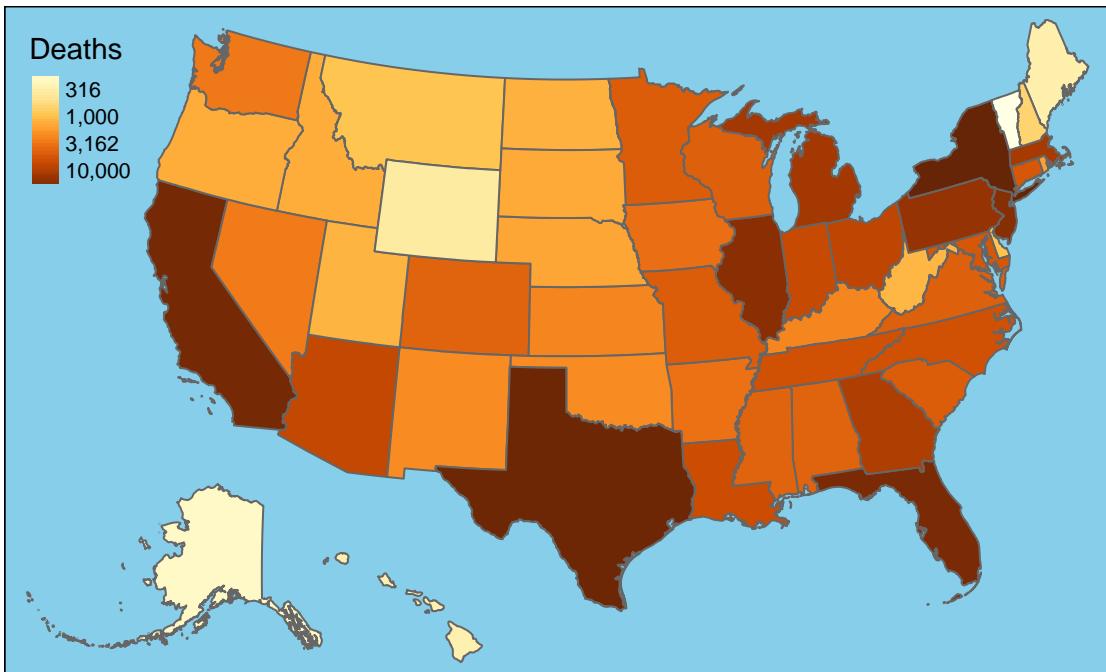


New Deaths by State



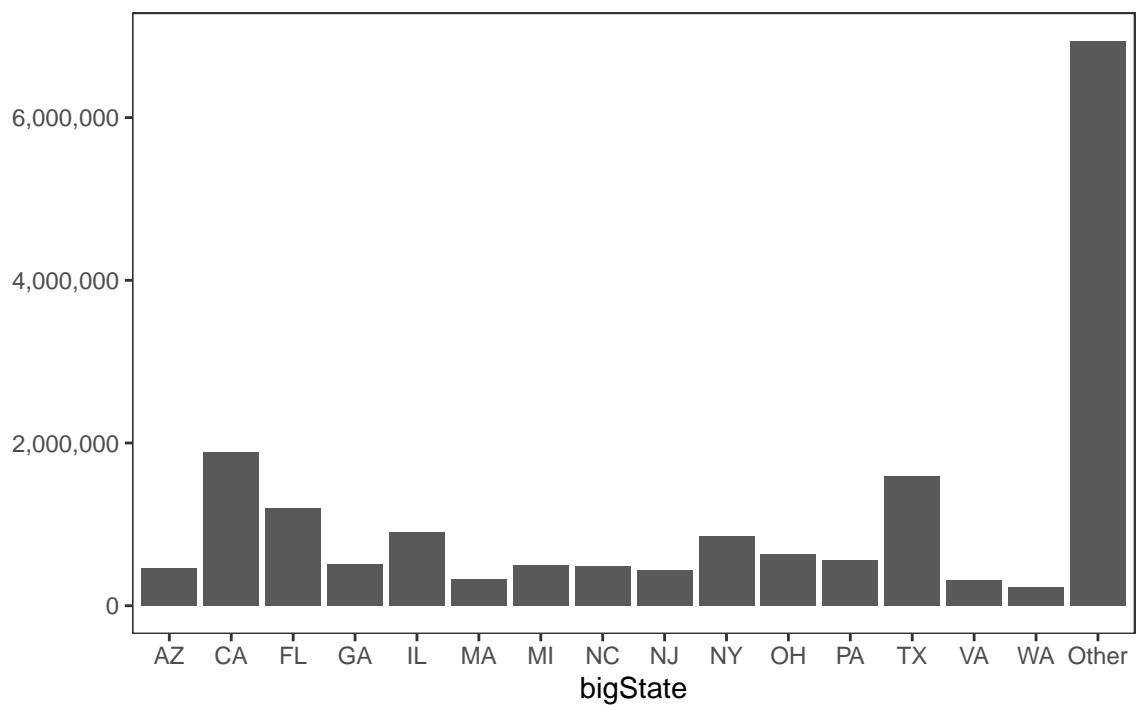
7-Day Change in Daily Deaths



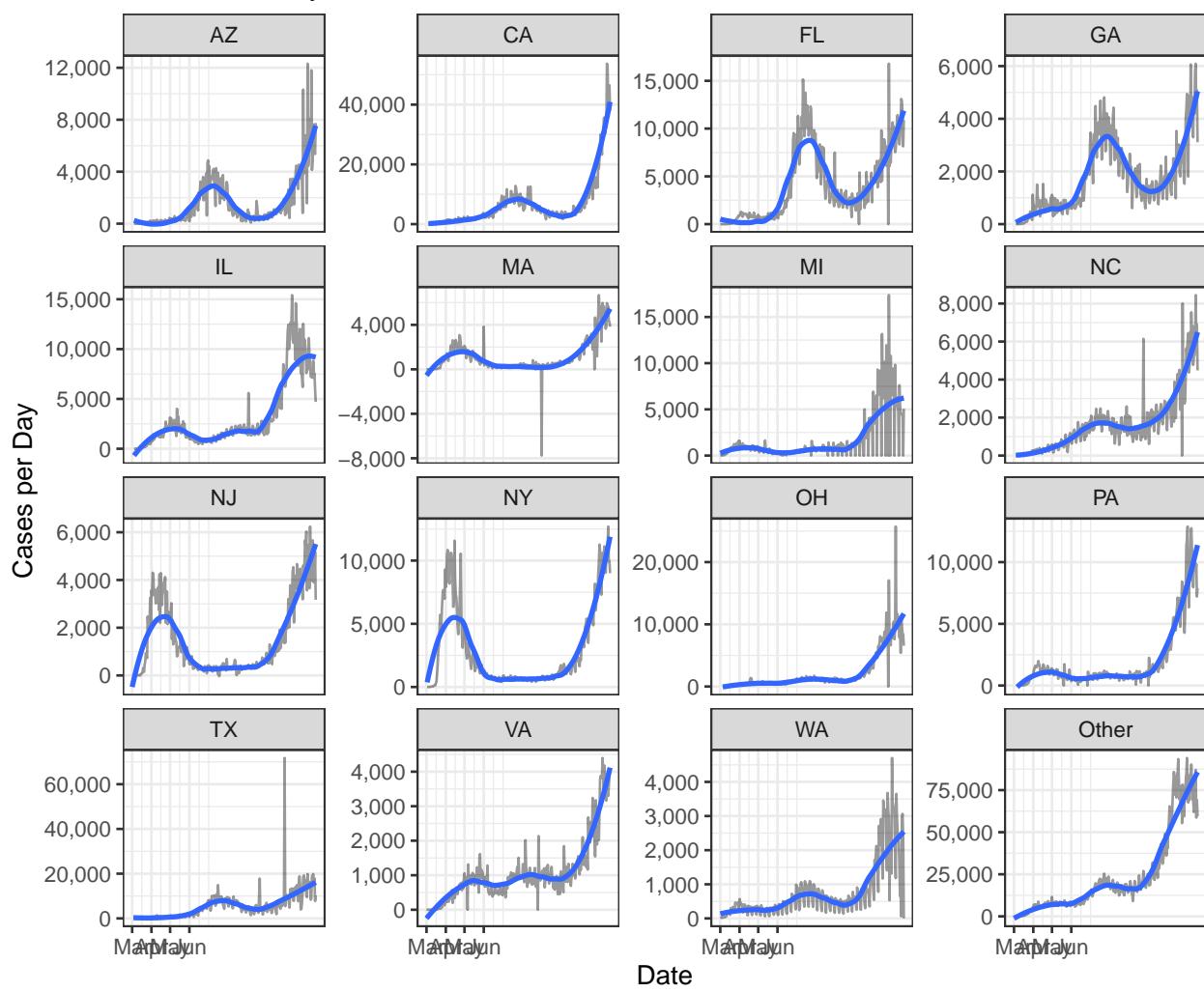


Cases

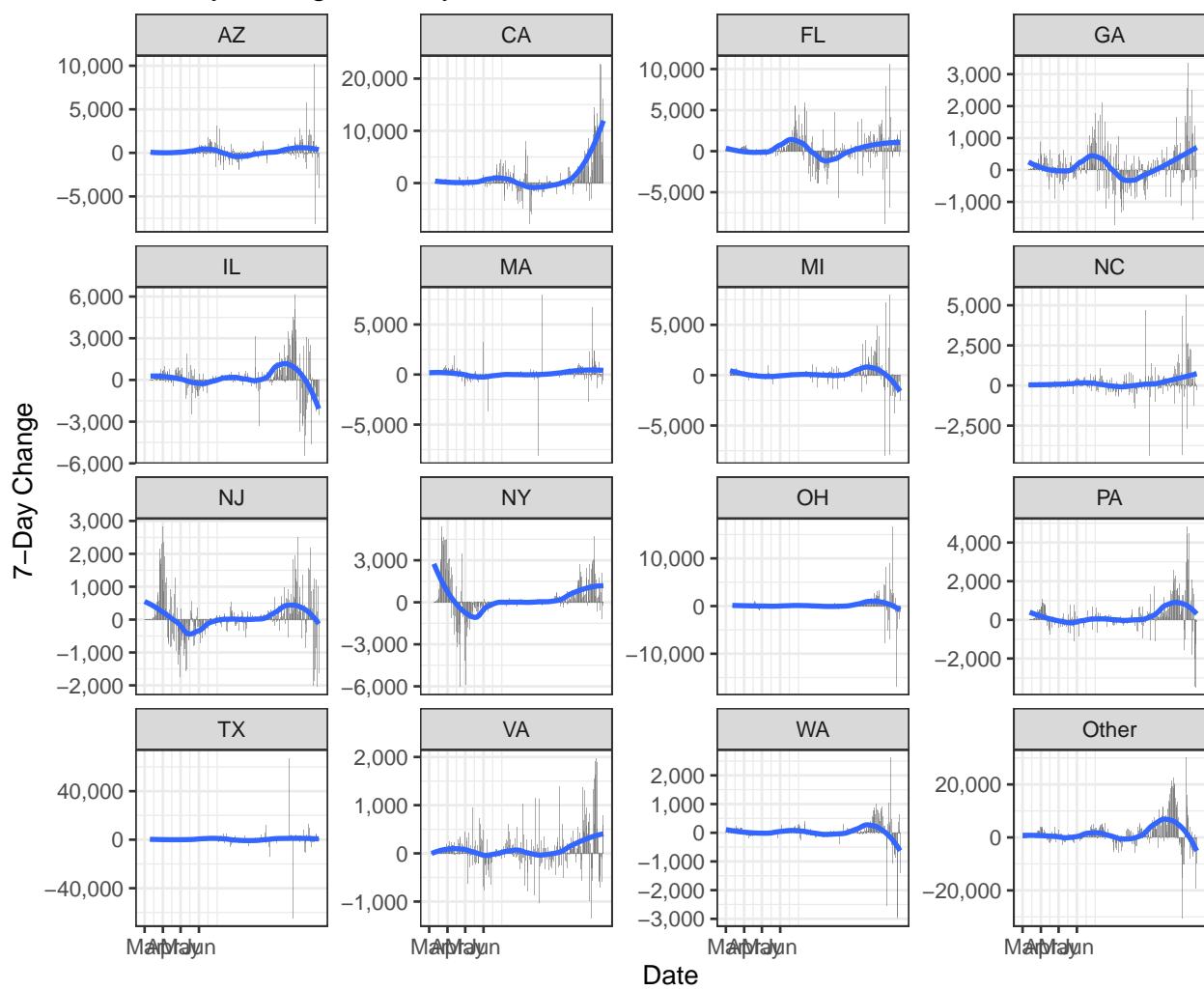
Cases by State

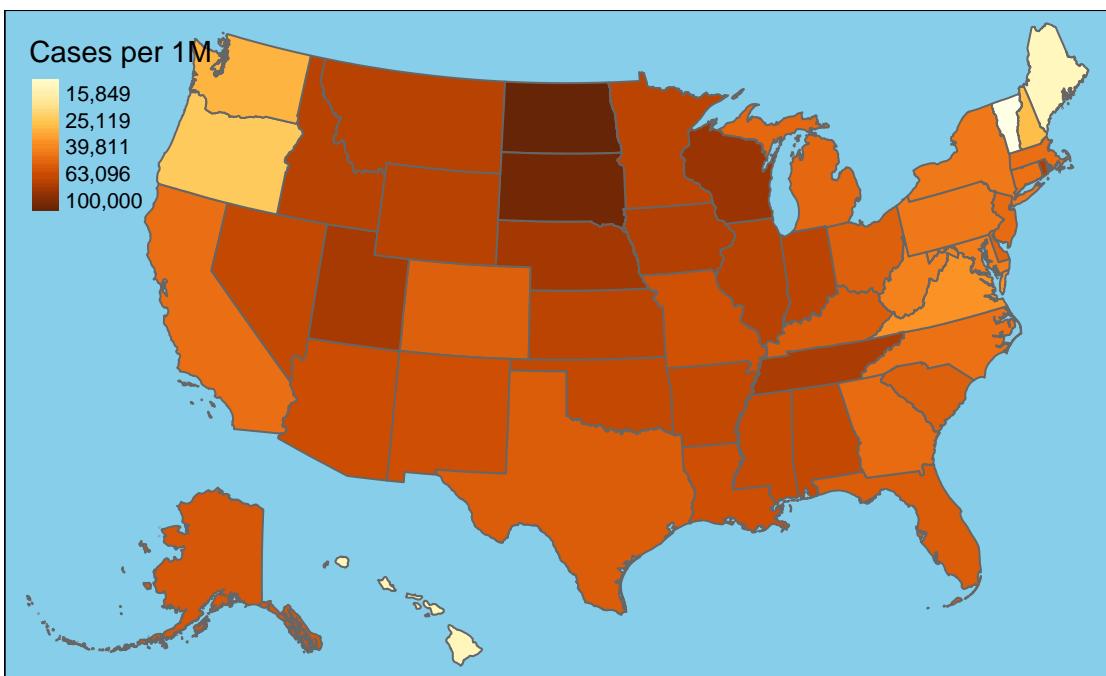
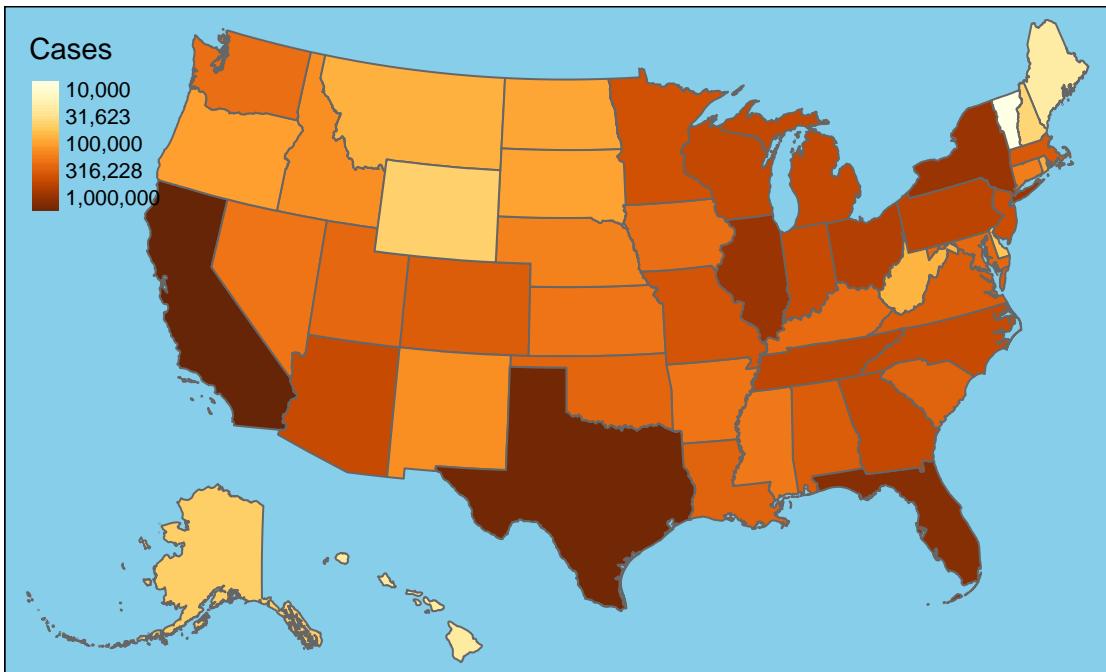


New Cases by State

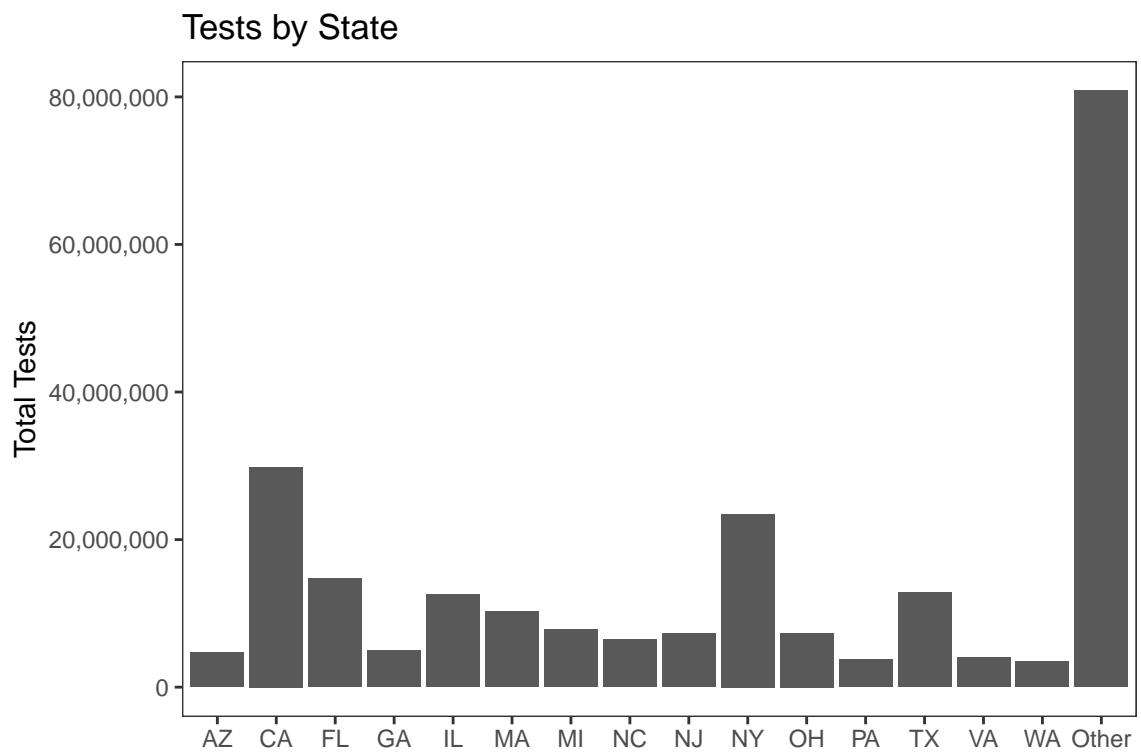


7-Day Change in Daily Cases

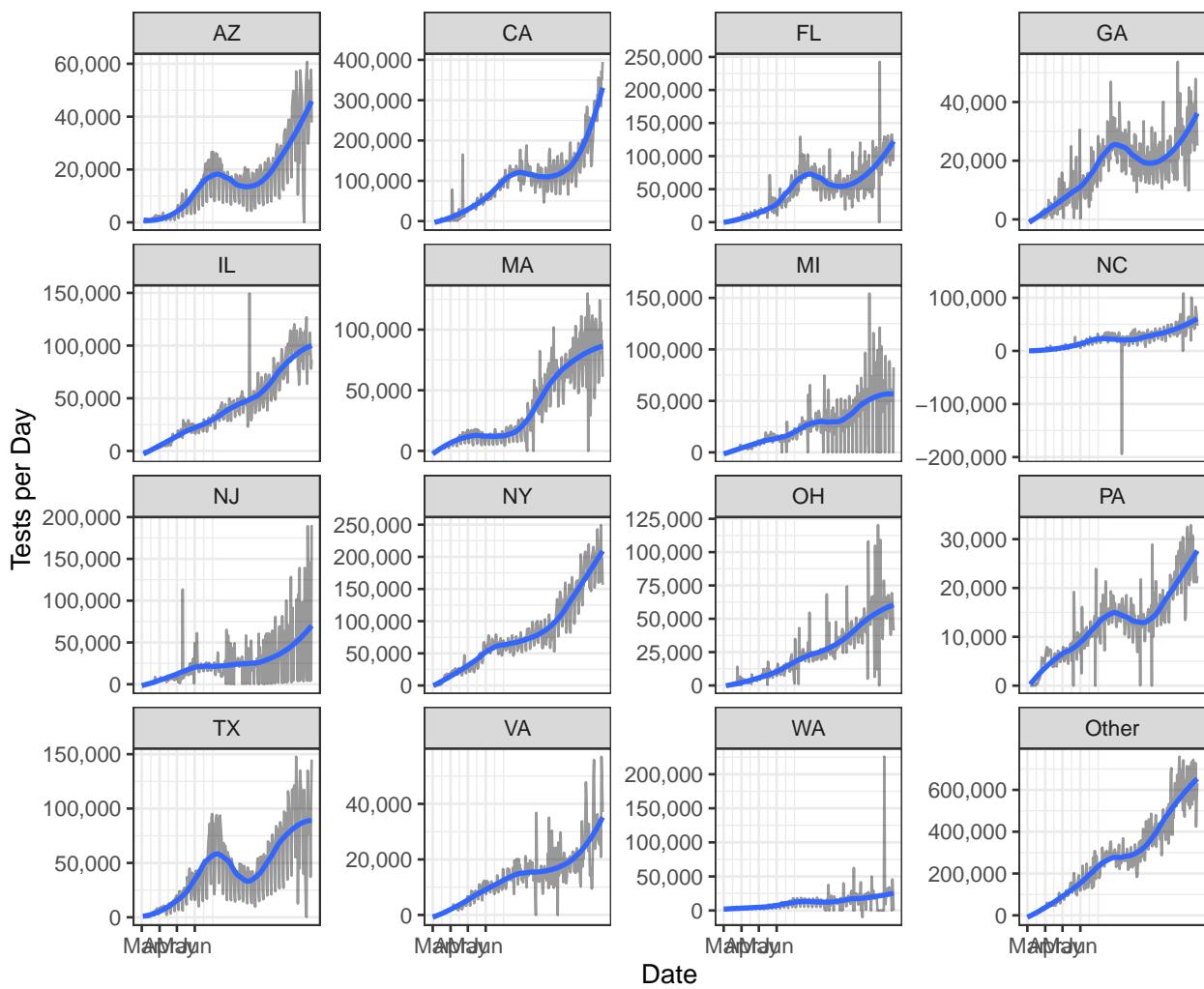


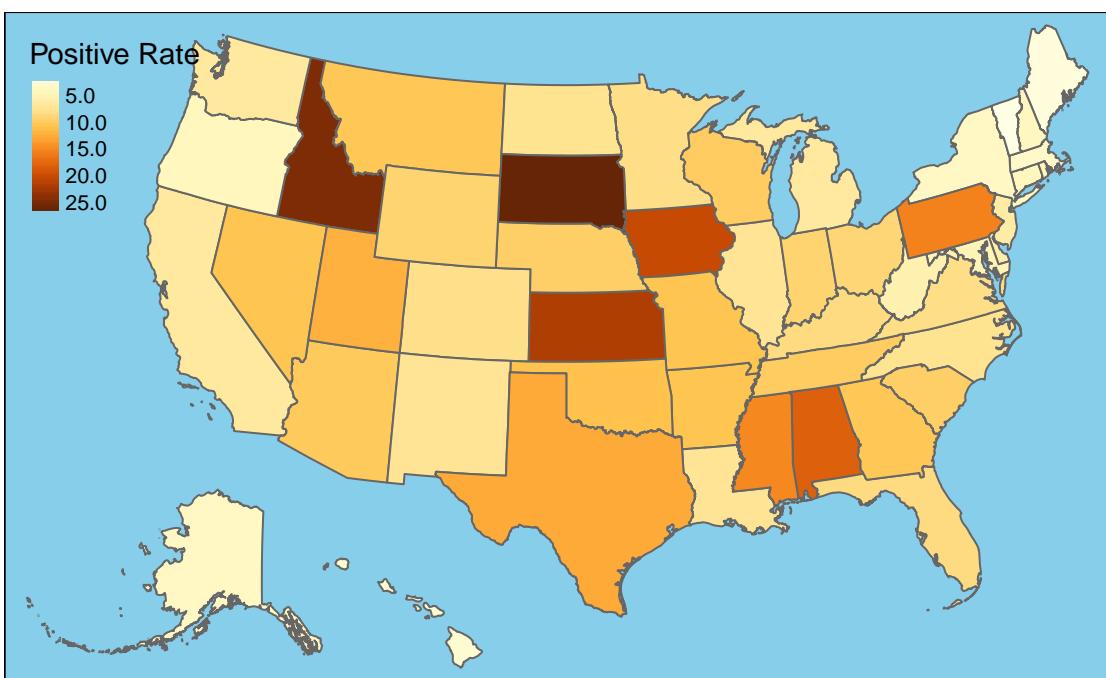
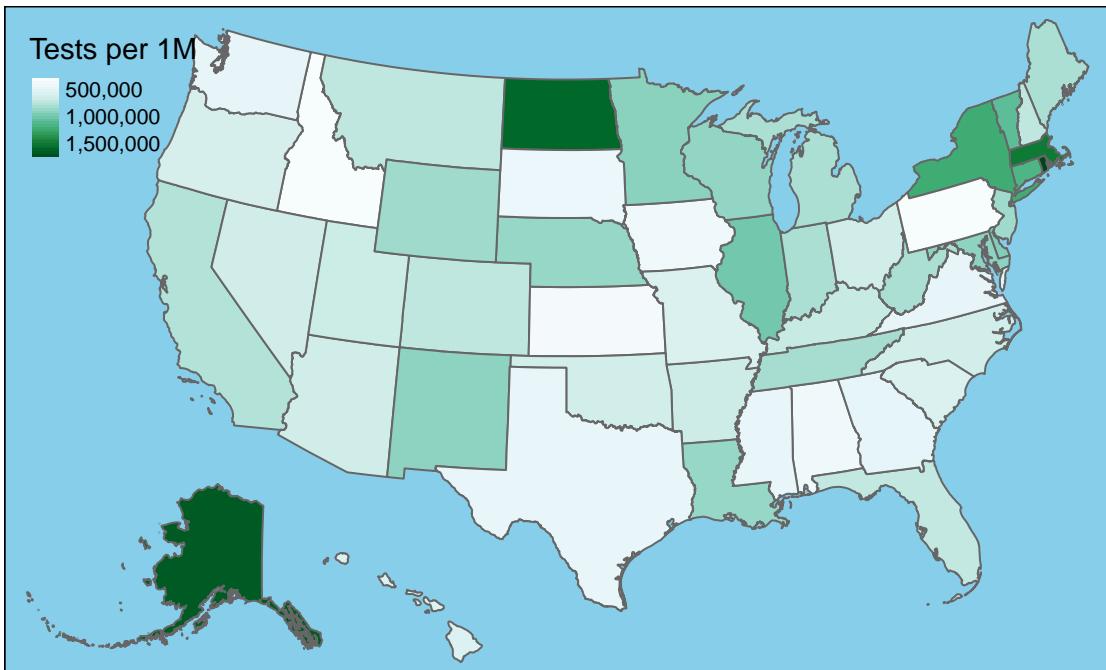


Testing

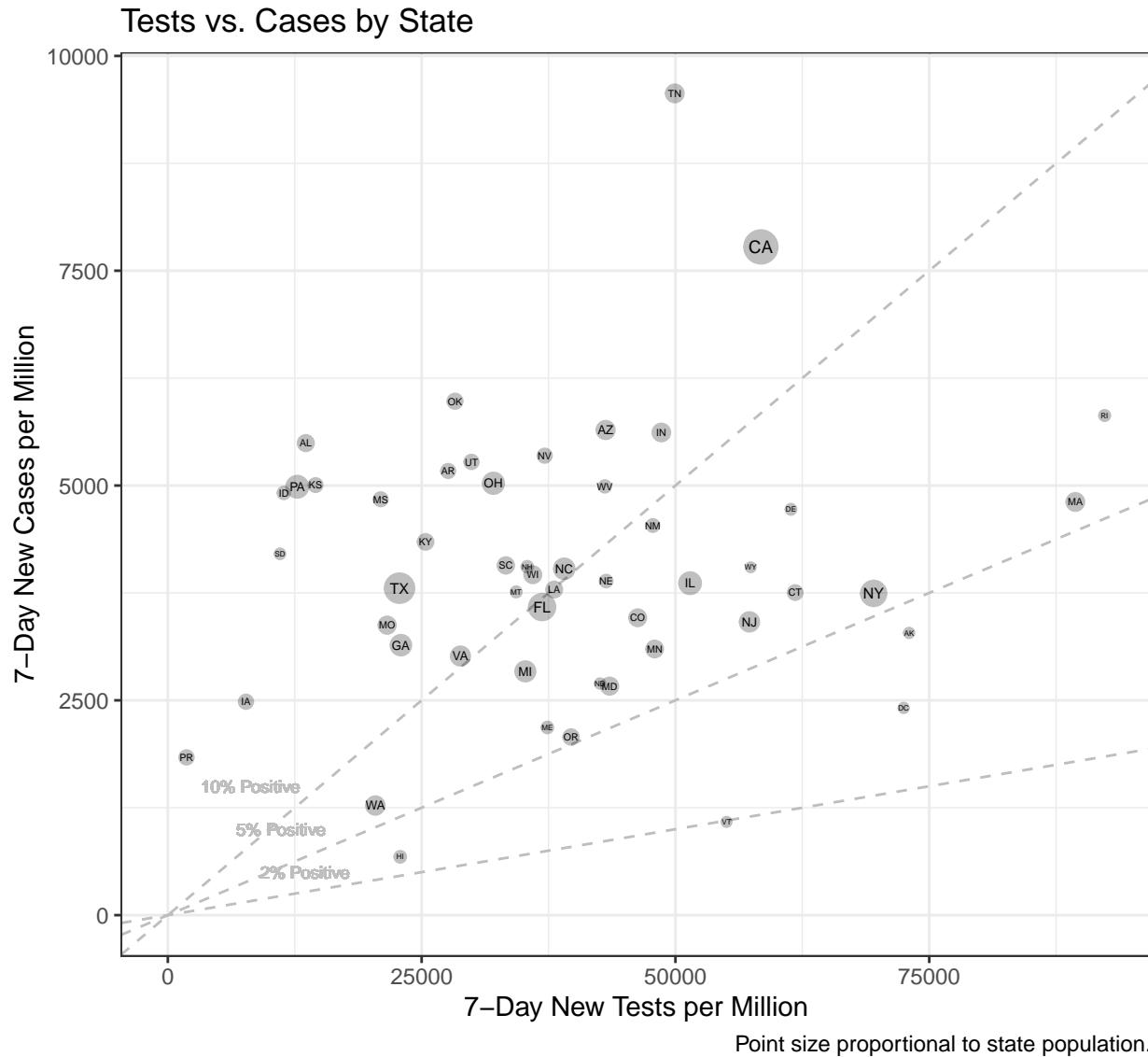


New Tests by State





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.



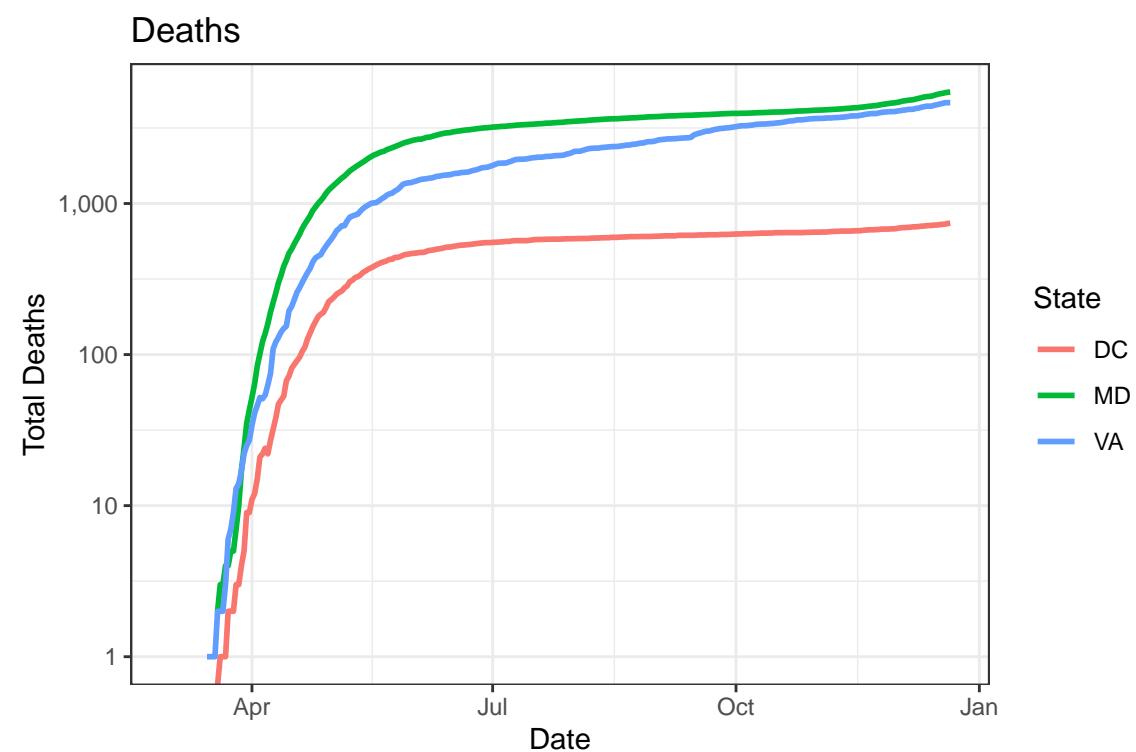
Local Data

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

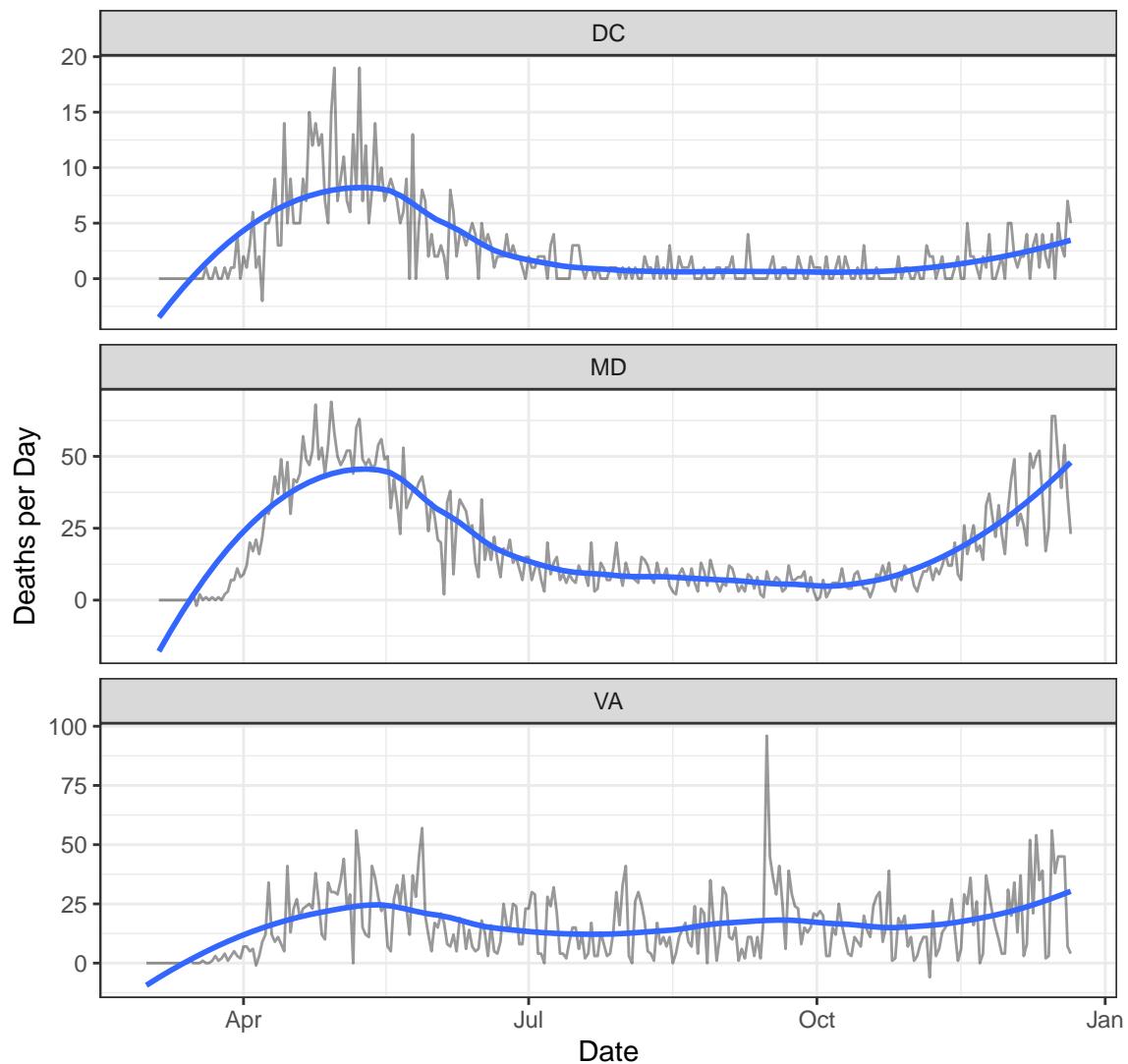
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	26,740	742	139	5
MD	253,073	5,471	2,265	23
VA	310,890	4,654	4,042	4

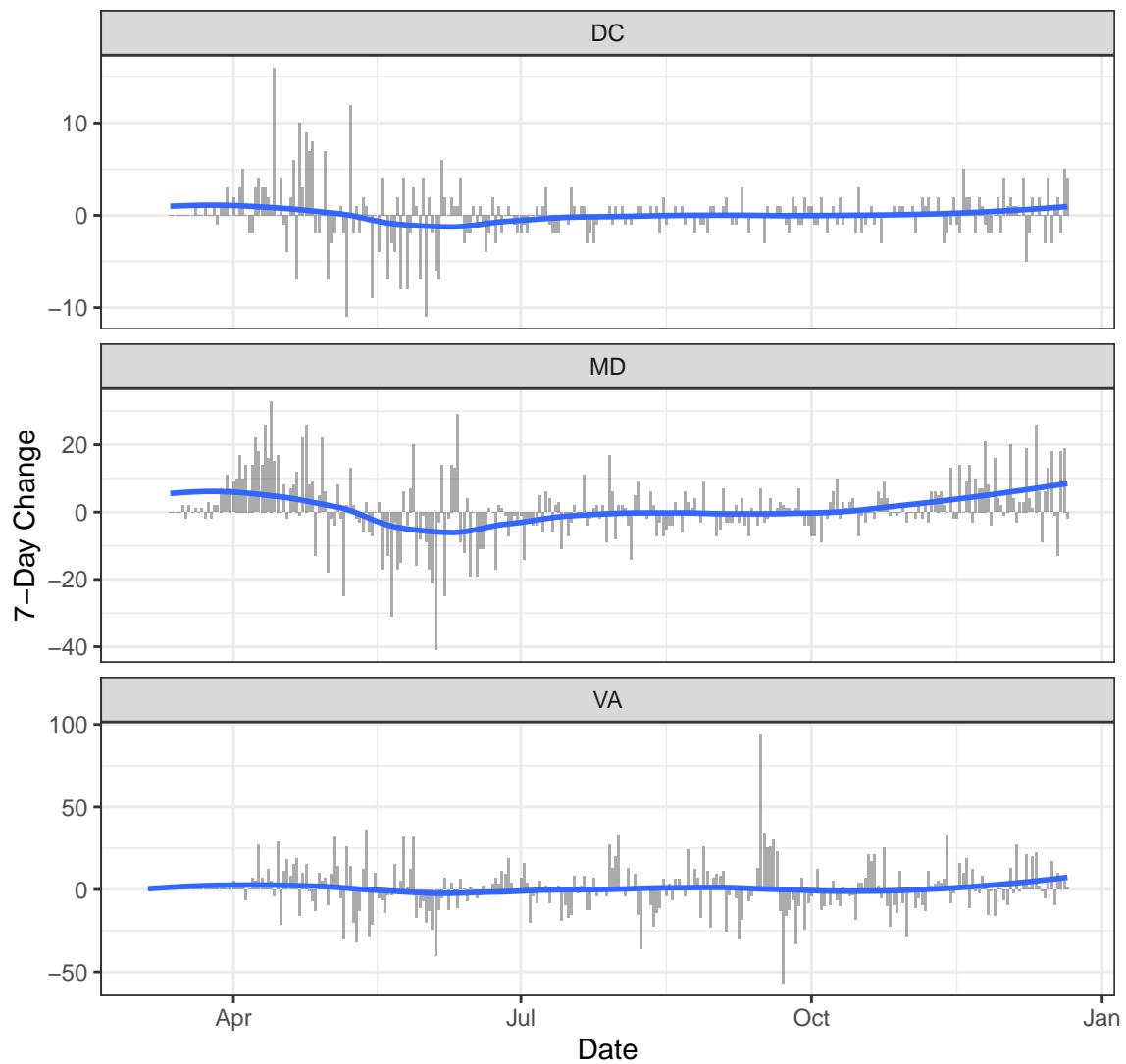
Deaths

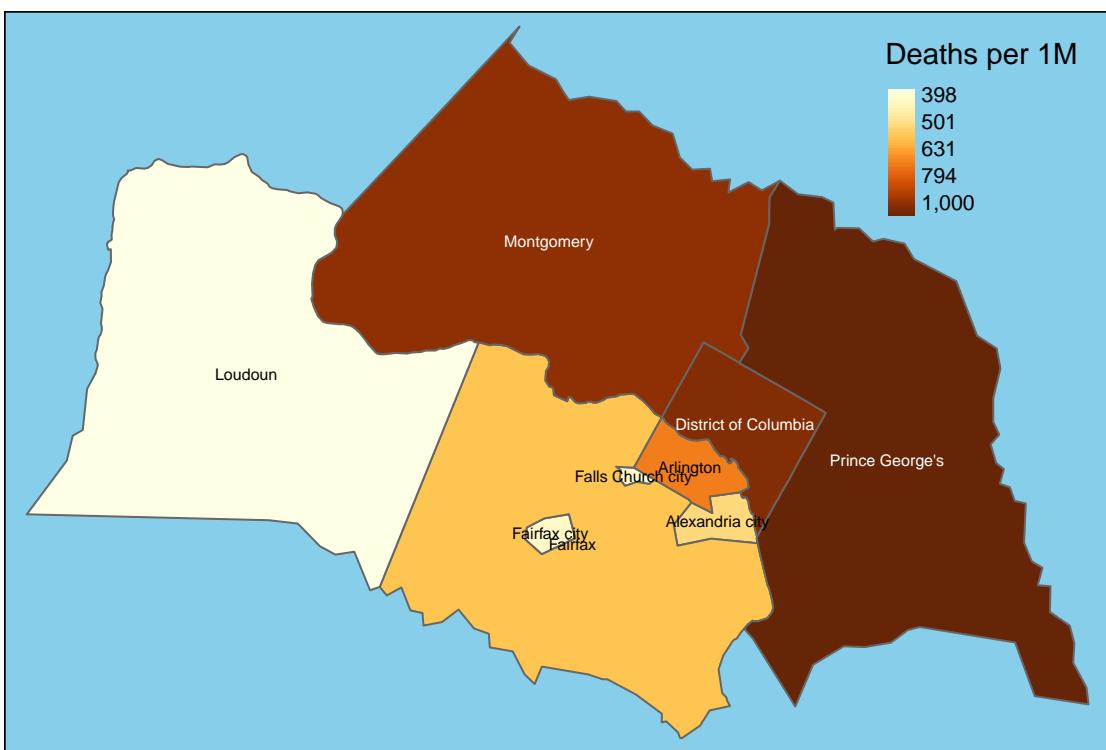
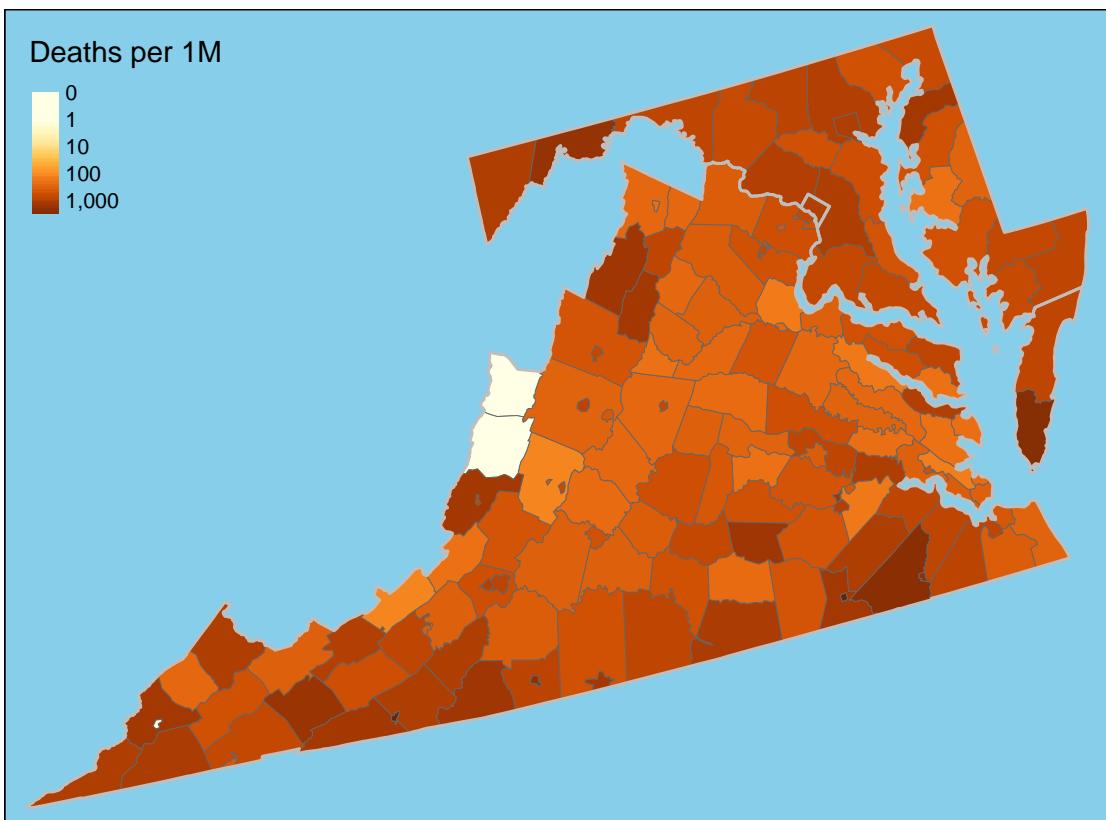


New Deaths

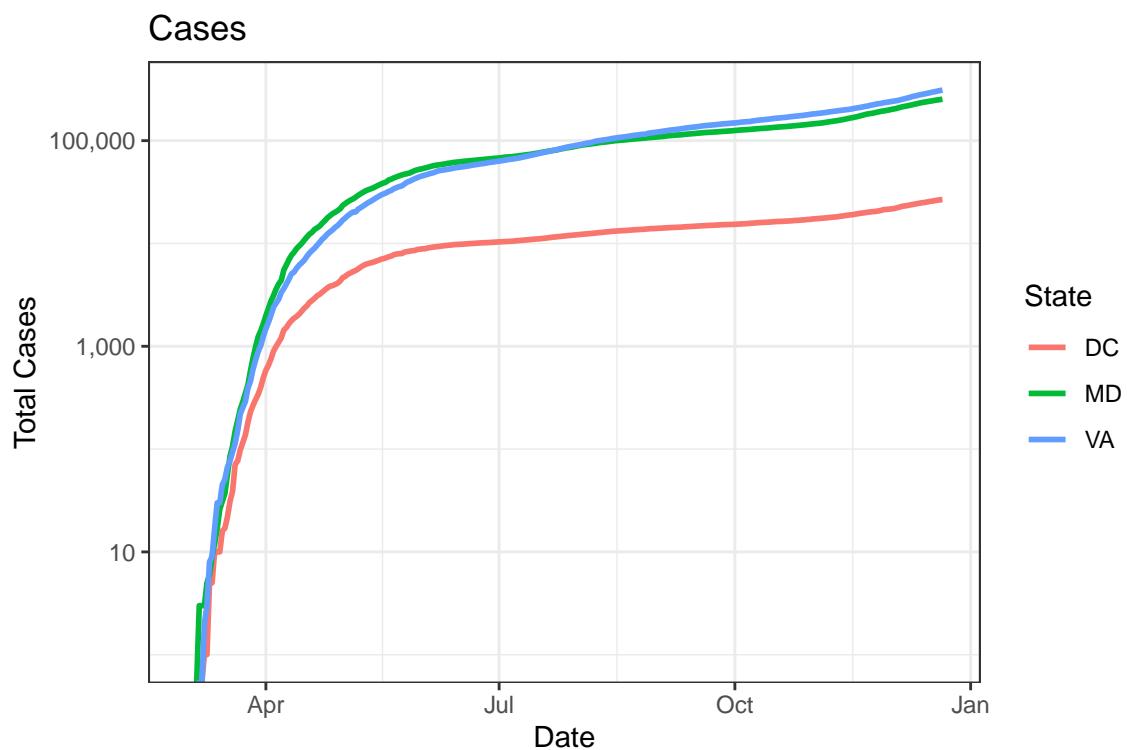


One-Week Change in Daily Deaths

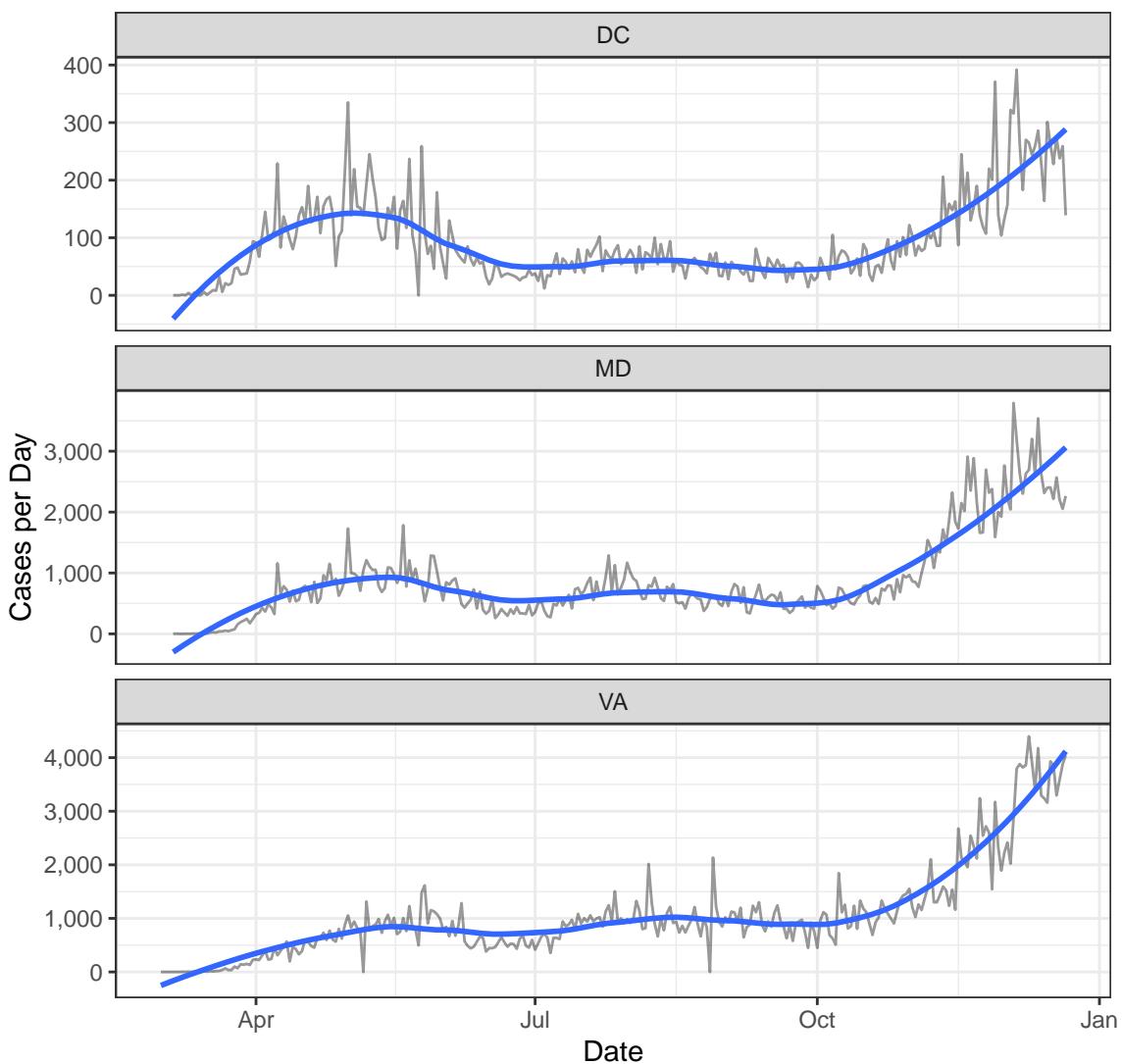




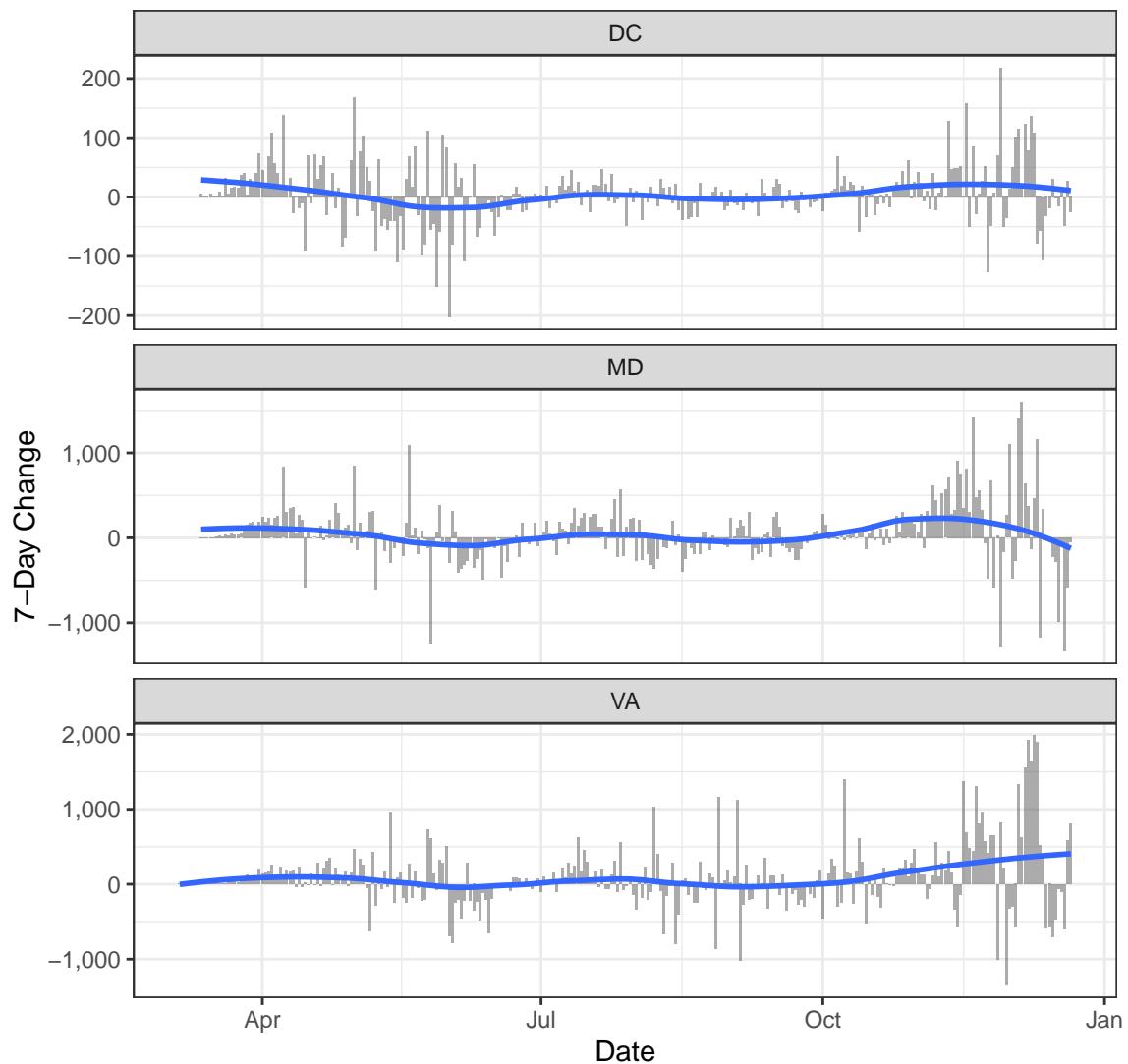
Cases

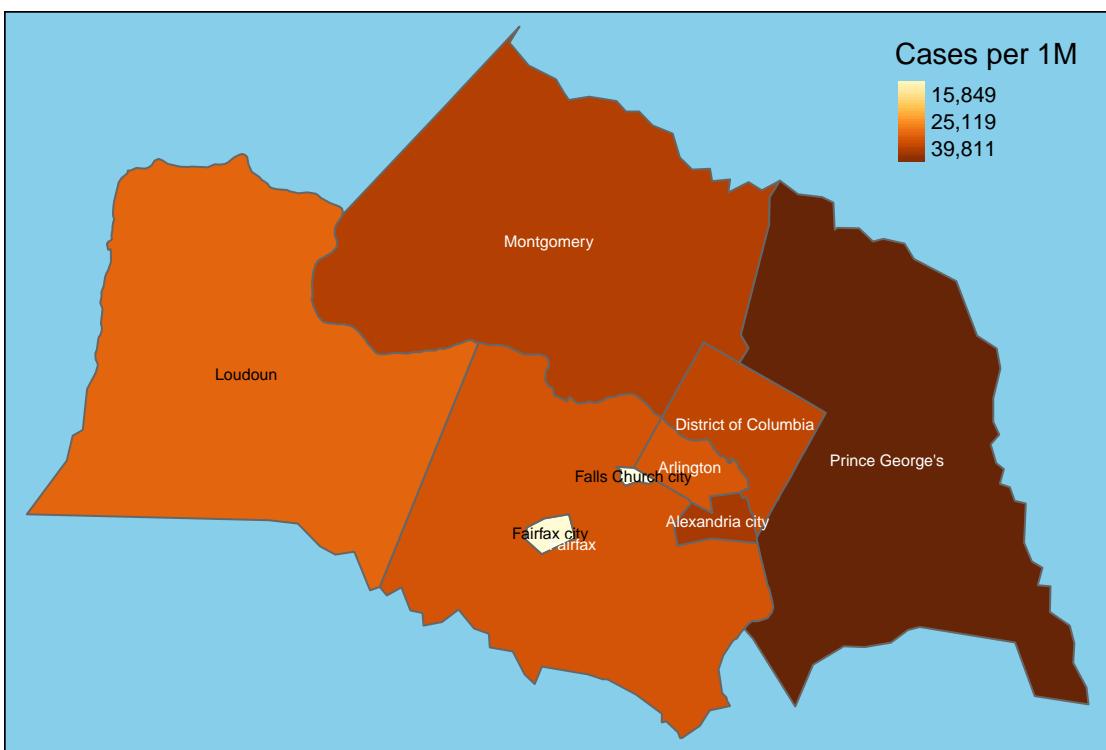
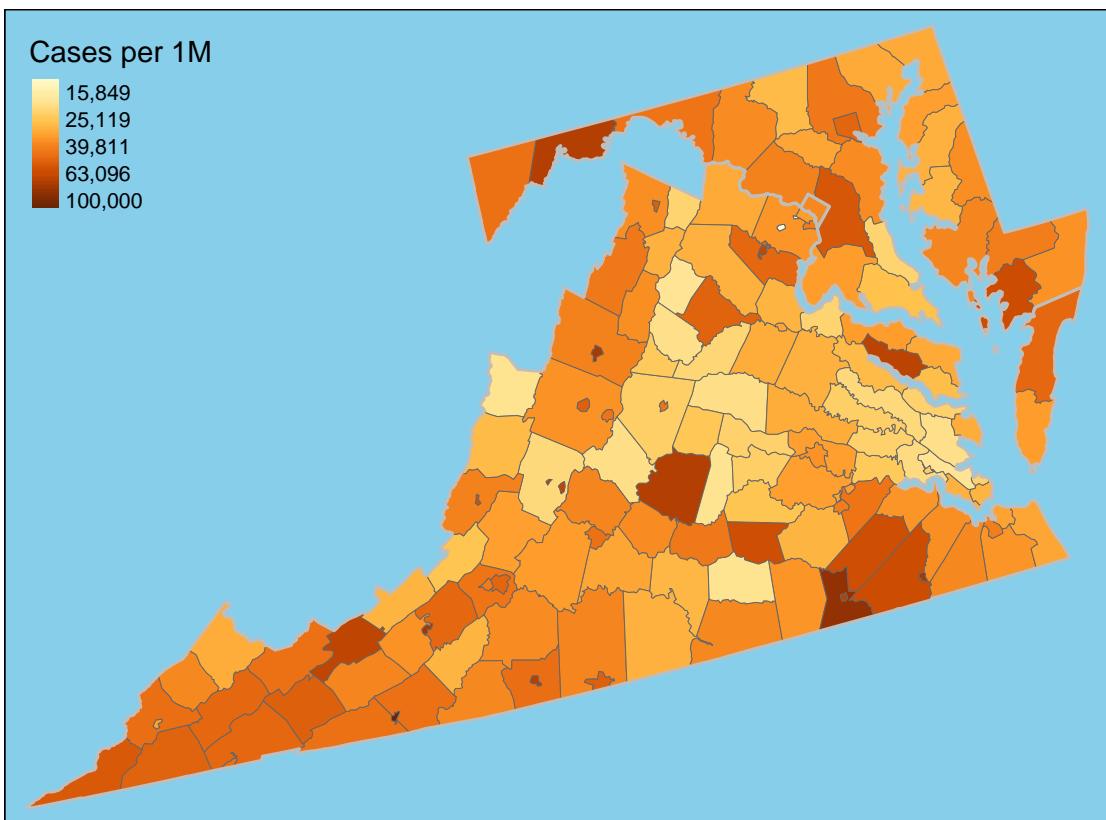


New Cases

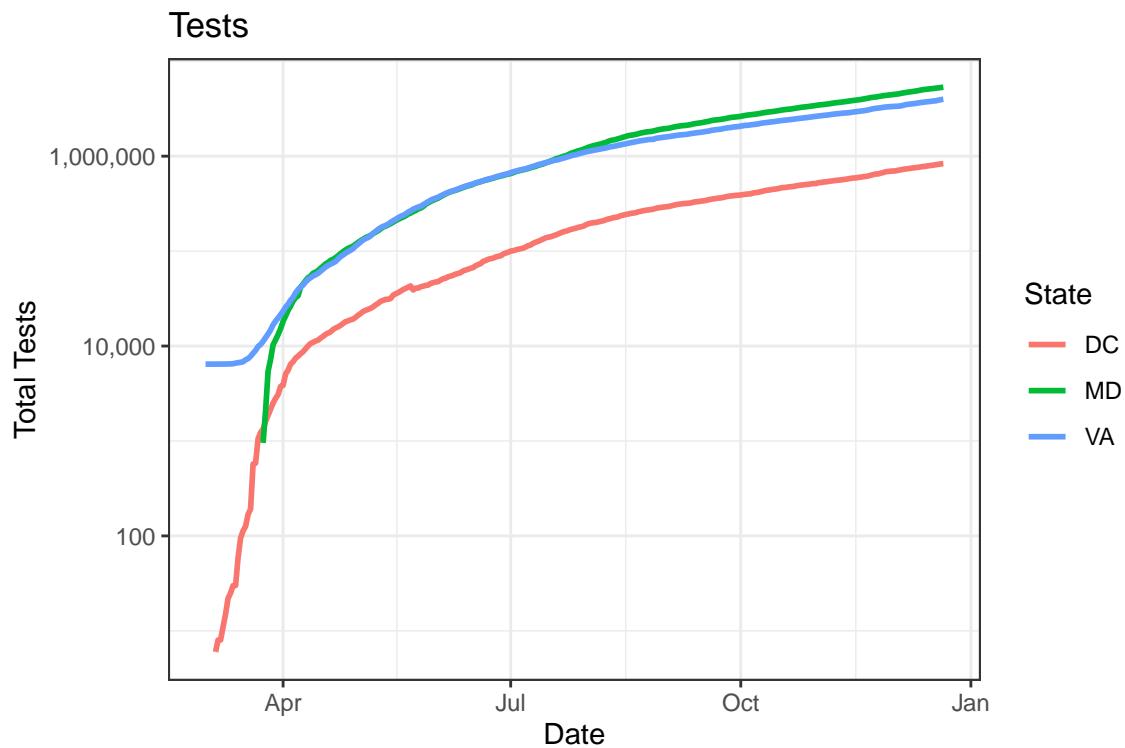


One-Week Change in Daily Cases

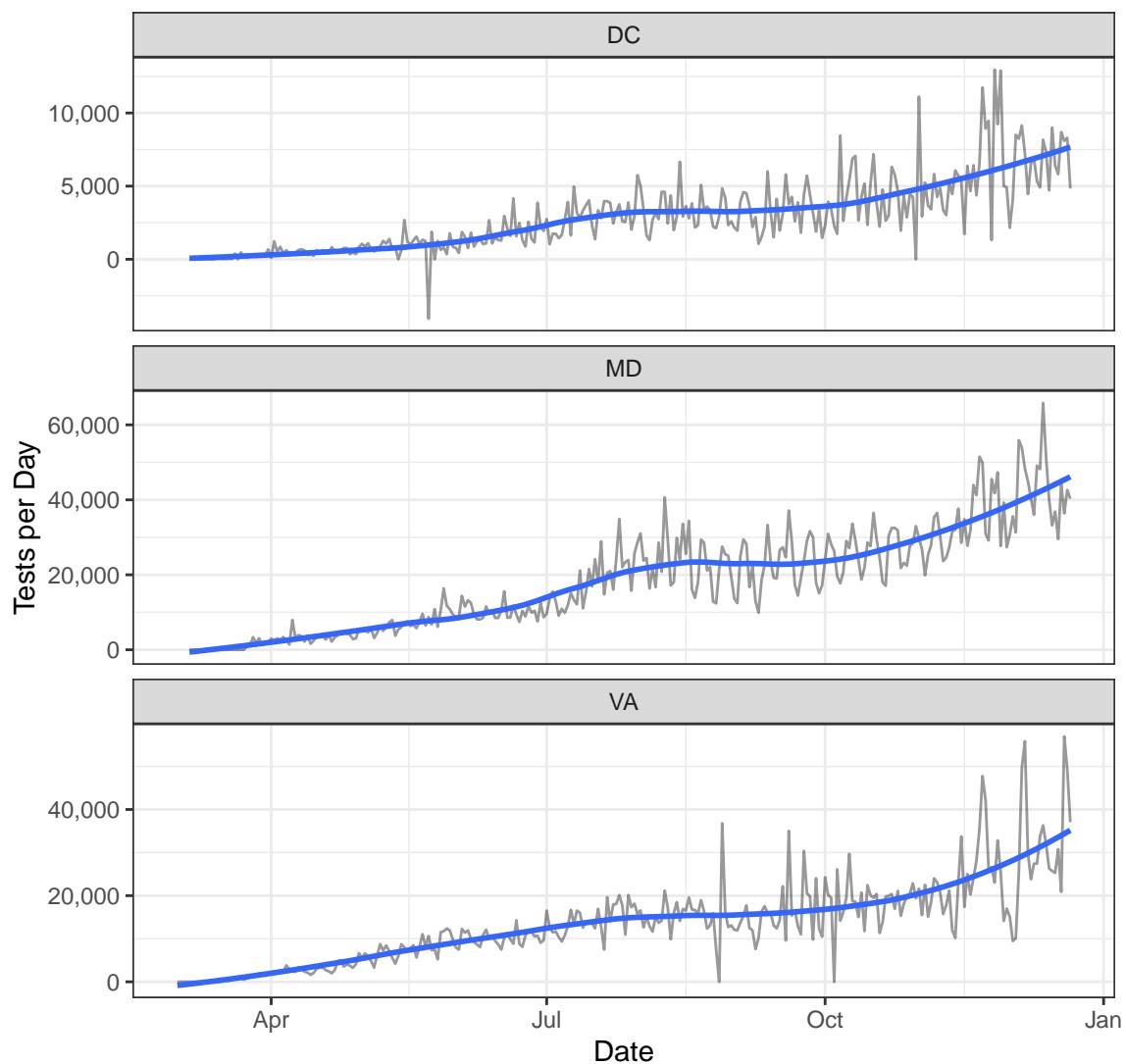




Testing



New Tests



Positive Test Rate

