

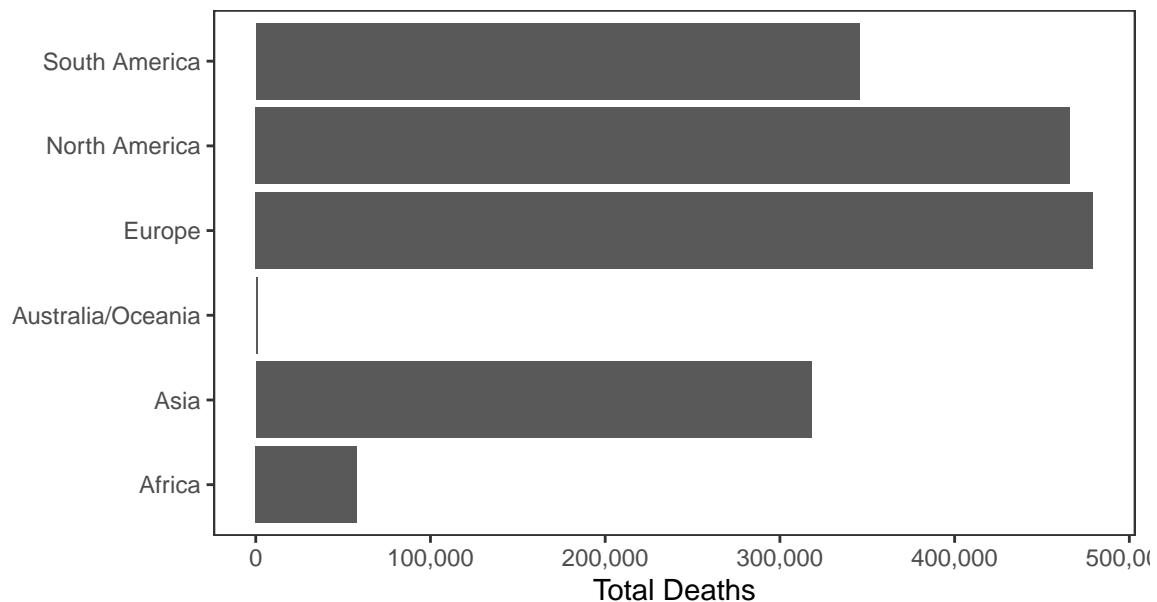
Erik's Covid-19 Chart Pack

Data updated 2020-12-18 19:36:45. 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 75,274,800 confirmed Covid-19 cases and 1,667,954 deaths worldwide.

Deaths



Cases

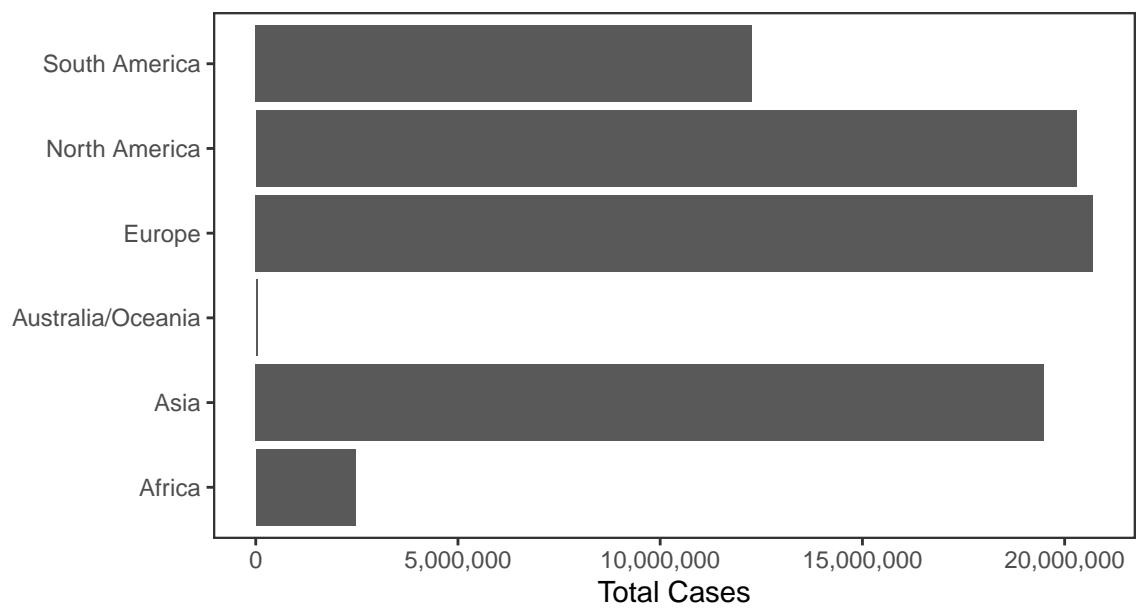
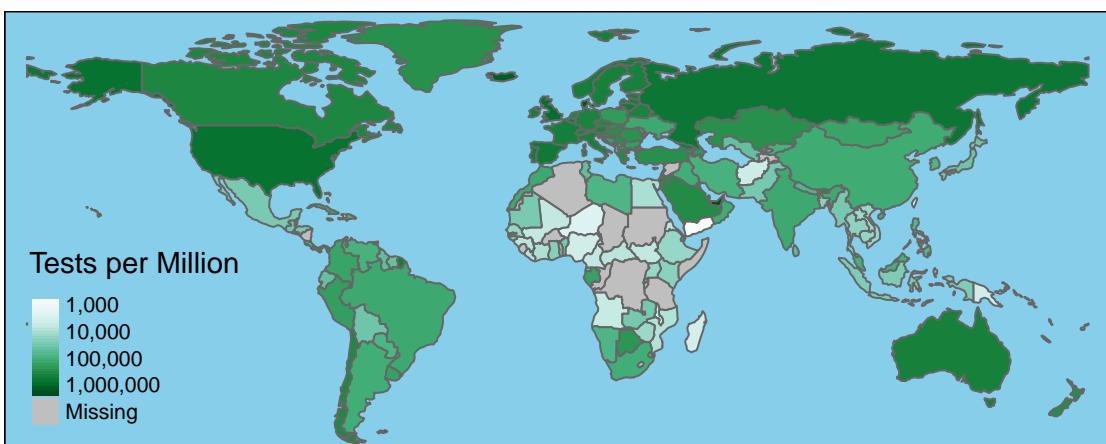
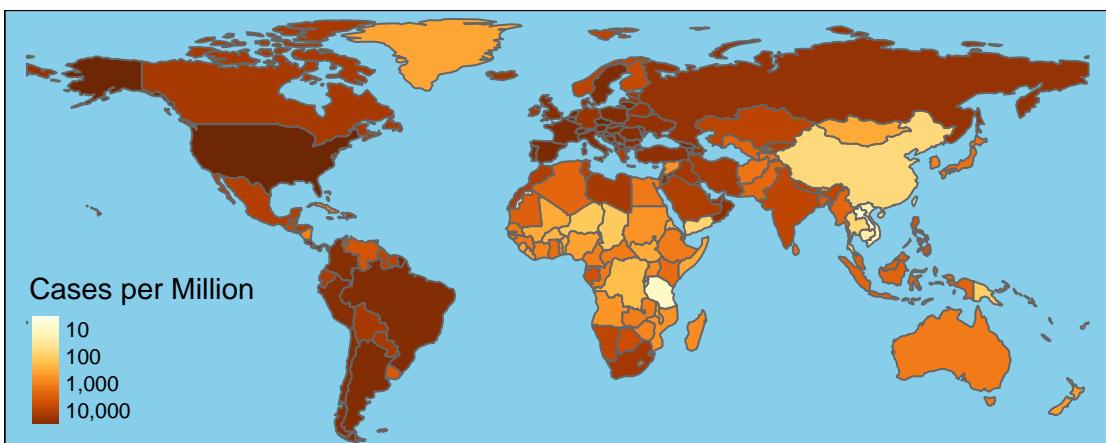
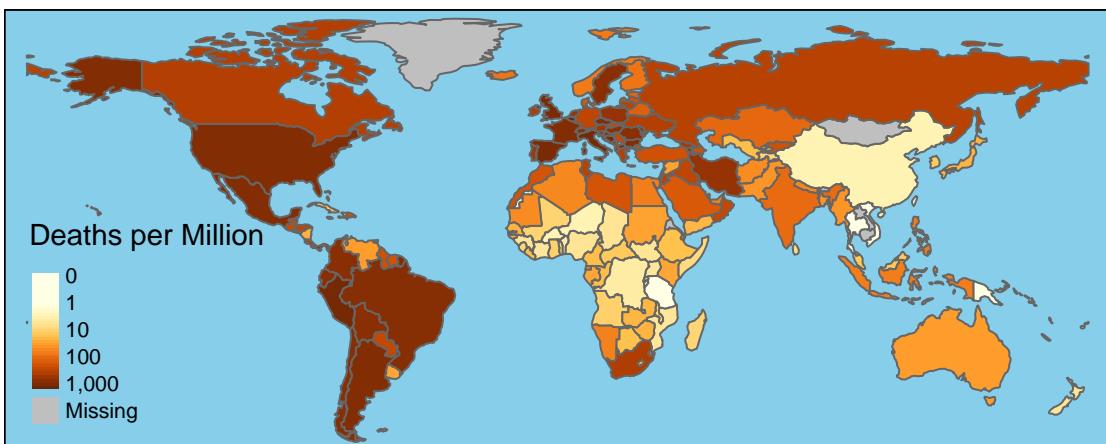


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	17,633,673	318,051	237,872	3,400
India	9,977,834	144,829	26,762	342
Brazil	7,111,527	184,876	68,832	1,054
Russia	2,762,668	49,151	28,214	587
France	2,427,316	59,855	18,254	376
Turkey	1,955,680	17,364	27,515	243
UK	1,948,660	66,052	35,383	532
Italy	1,903,786	67,220	18,136	683
Spain	1,805,633	48,777	11,081	181
Argentina	1,524,372	41,534	7,326	169
Colombia	1,468,795	39,787	12,196	227
Germany	1,438,438	25,165	30,951	724
Mexico	1,277,499	115,769	10,297	670
Poland	1,171,851	24,345	11,950	431
Iran	1,138,530	53,095	7,453	212
Peru	991,518	36,901	2,061	43
Ukraine	931,751	15,996	12,047	252
South Africa	892,813	24,011	9,126	184
Netherlands	652,525	10,321	12,779	75
Indonesia	643,508	19,390	7,354	142



National Data

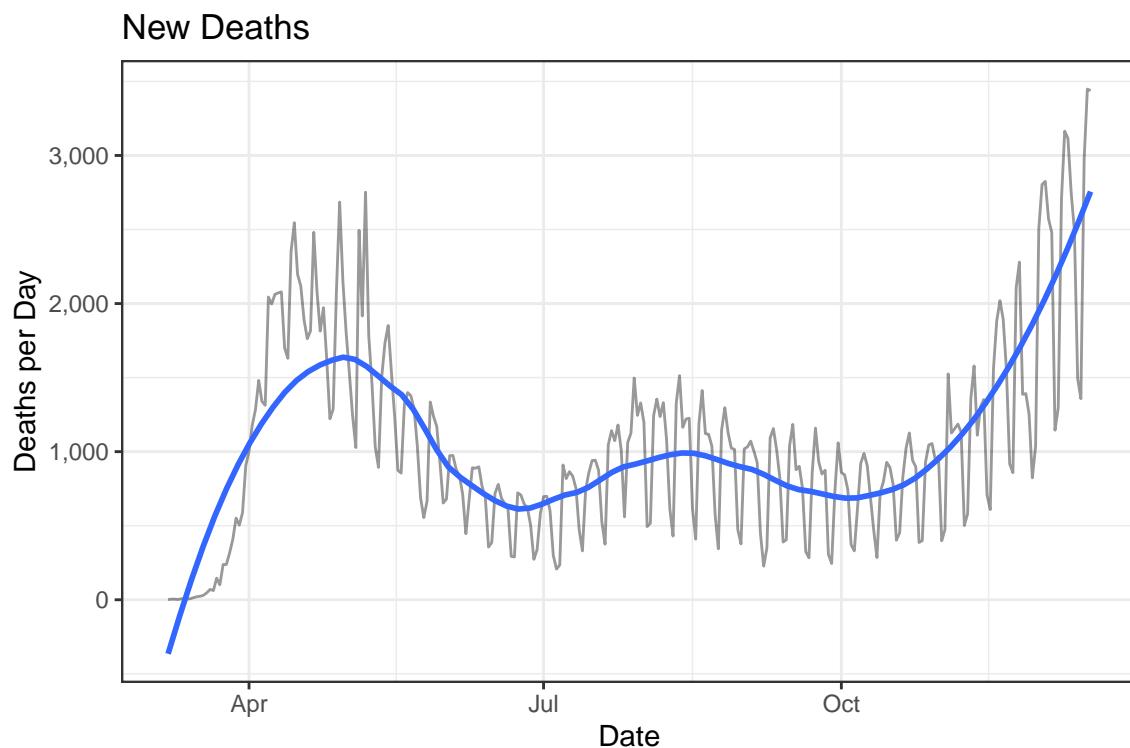
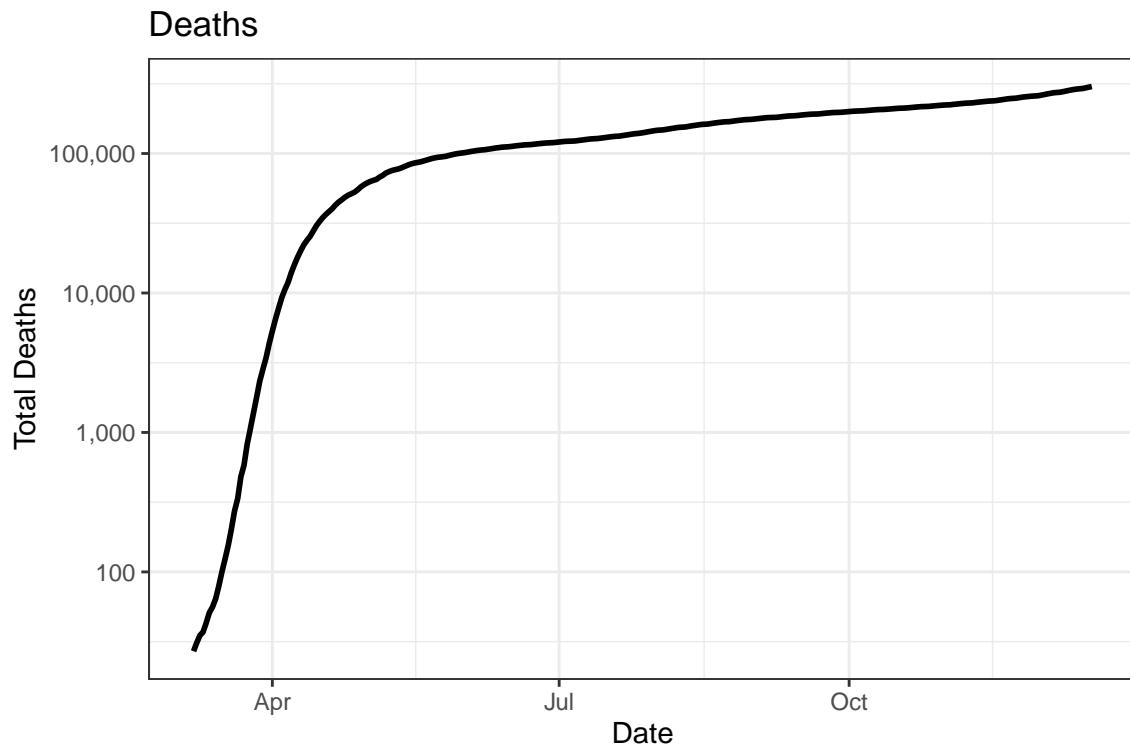
There have been 17,011,818 confirmed Covid-19 cases and 302,261 deaths in the United States.

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

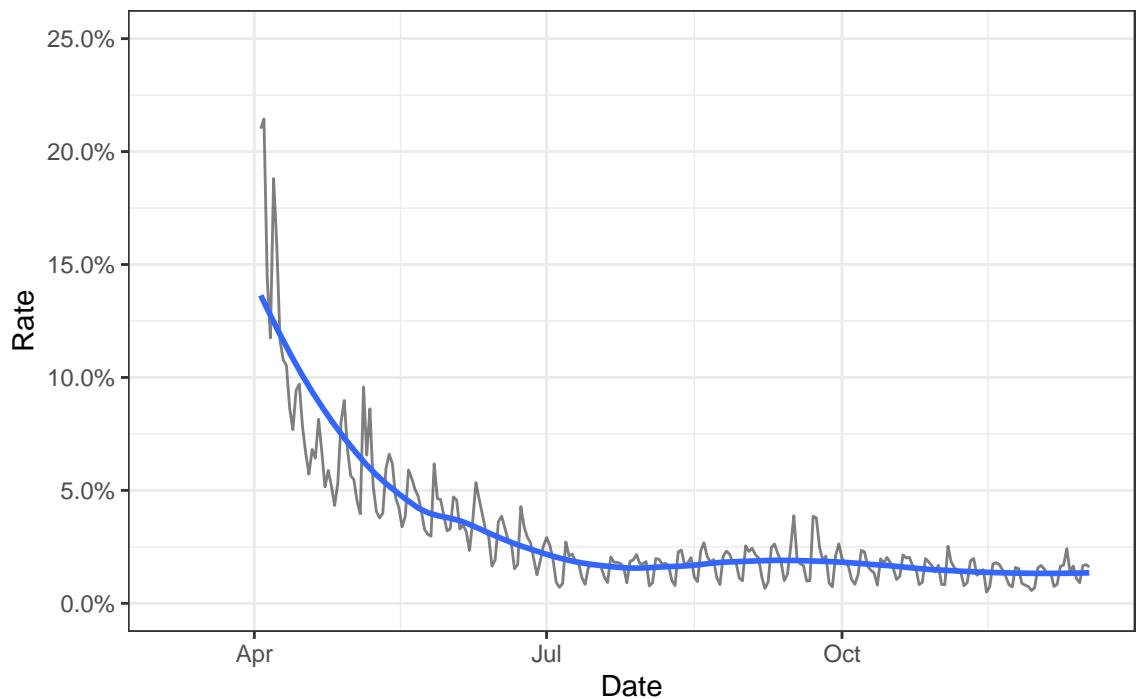
Date	Cases	Deaths	New Cases	New Deaths
2020-12-17	17,011,818	302,261	240,156	3,438
2020-12-16	16,771,662	298,823	231,653	3,448
2020-12-15	16,540,009	295,375	189,783	2,971
2020-12-14	16,350,226	292,404	192,466	1,358
2020-12-13	16,157,760	291,046	185,801	1,494
2020-12-12	15,971,959	289,552	224,476	2,494
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
2020-12-07	14,864,420	275,327	180,938	1,297
2020-12-06	14,683,482	274,030	181,196	1,145
2020-12-05	14,502,286	272,885	216,678	2,480
2020-12-04	14,285,608	270,405	229,192	2,573

Deaths

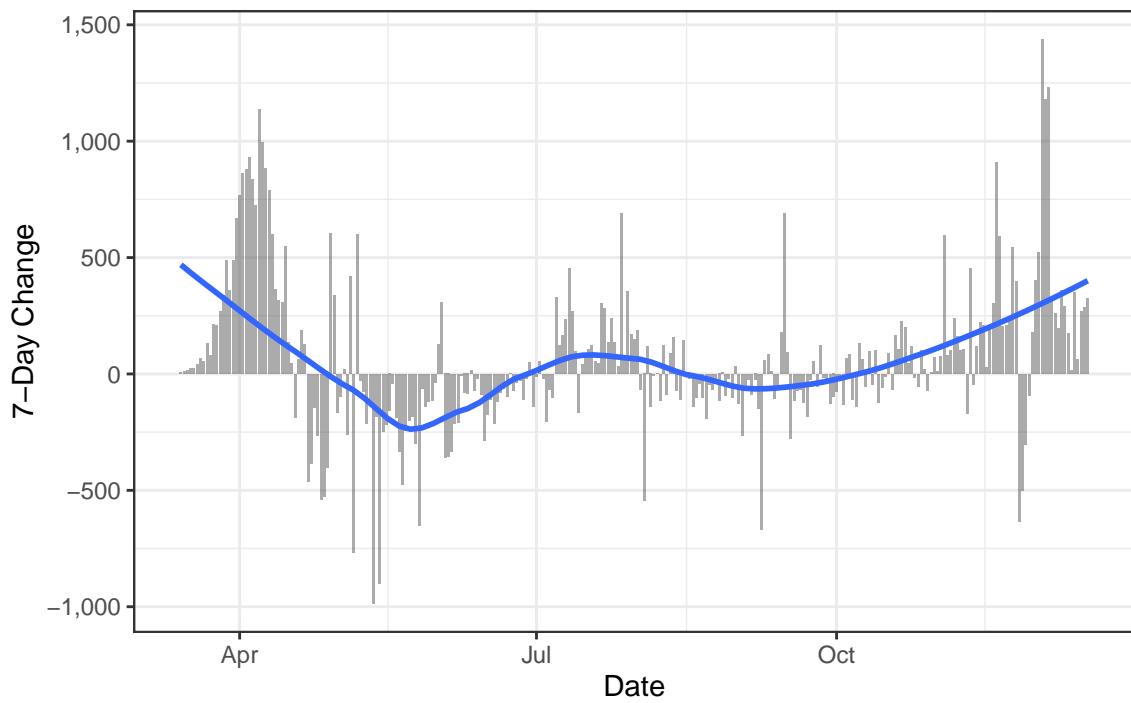
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

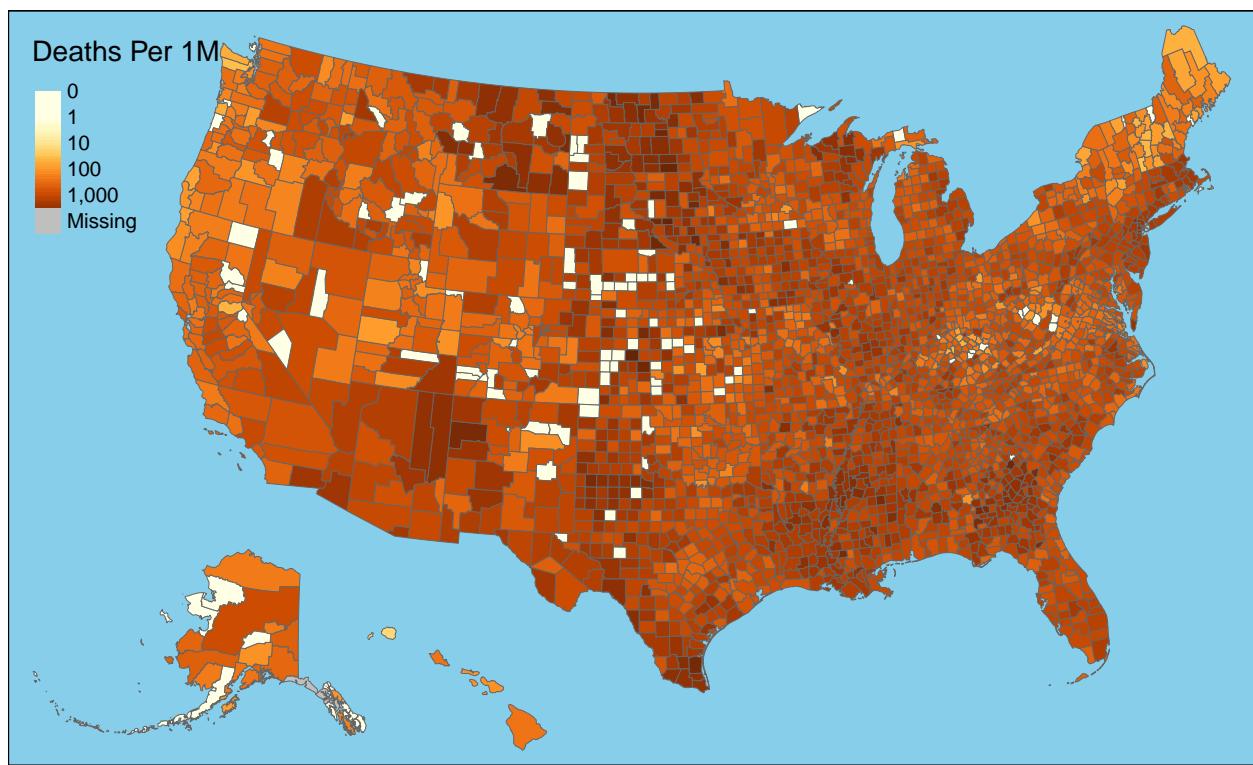


Daily Case Mortality Rate



One-Week Change in Daily Deaths

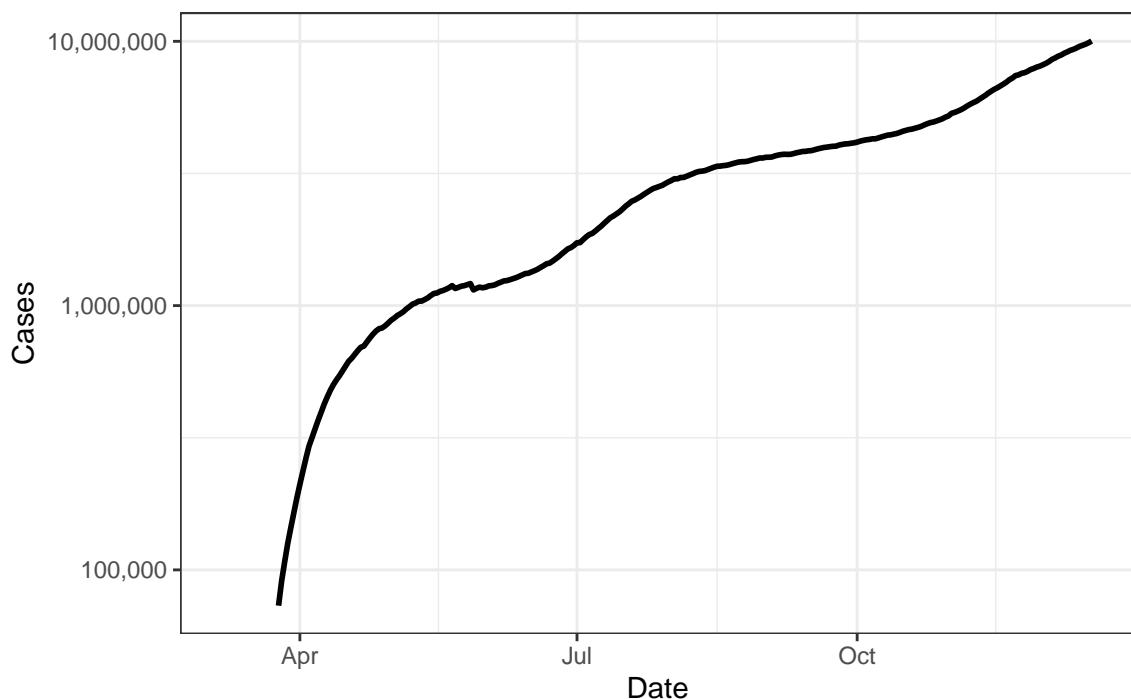




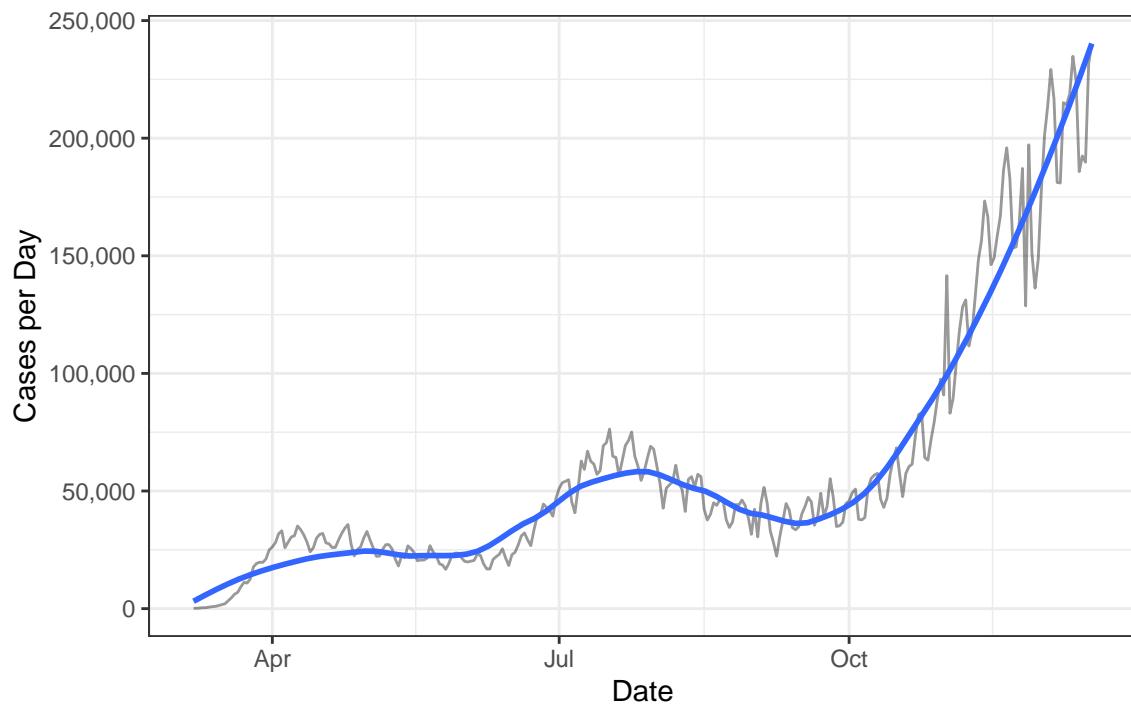
Cases

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

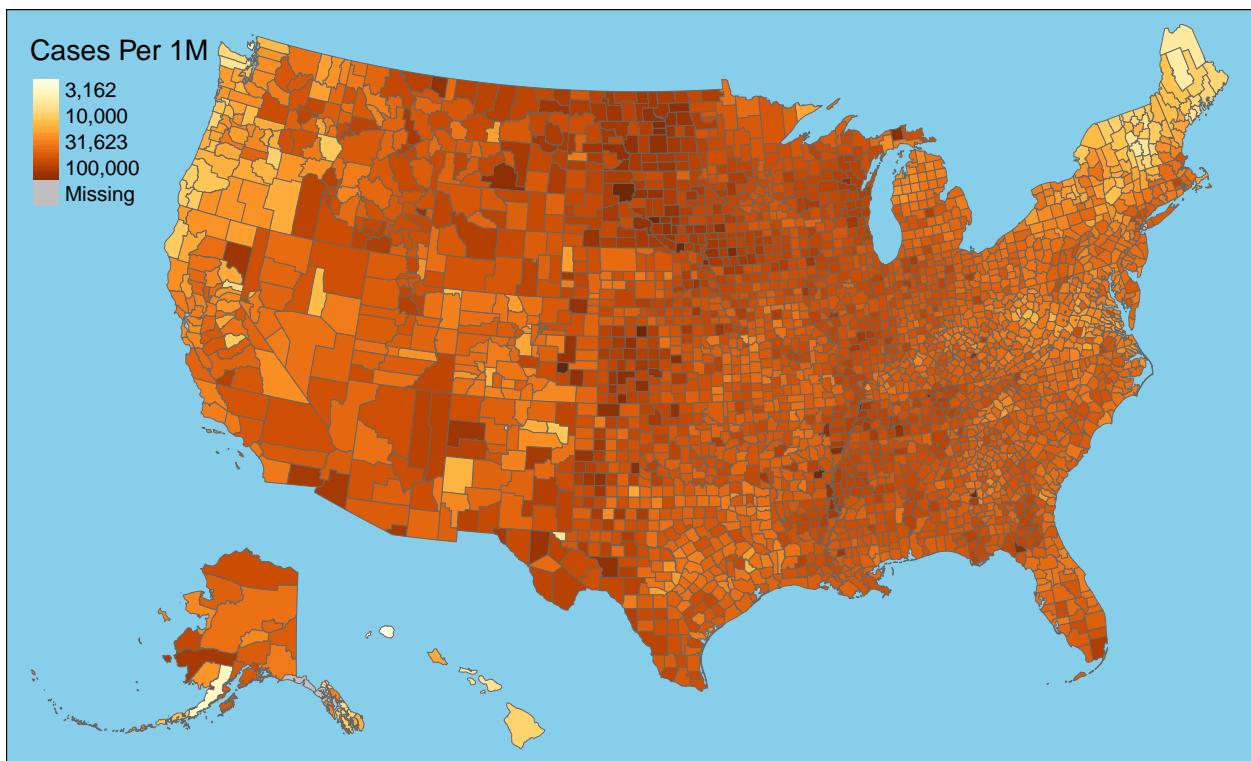
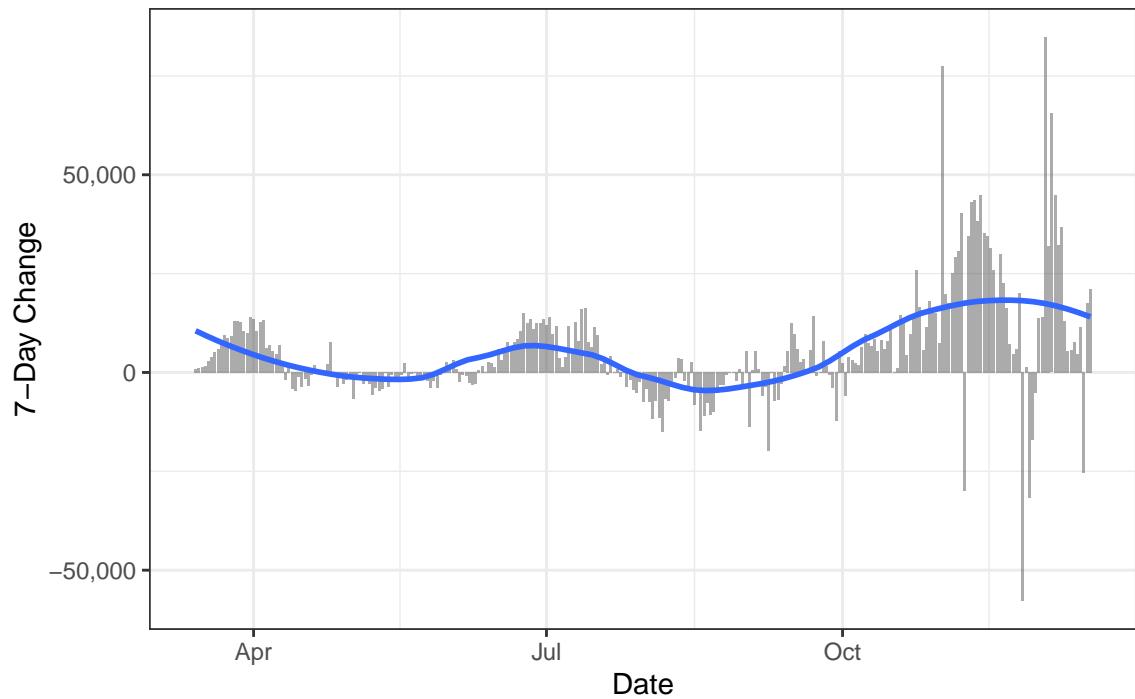
Active Cases



New Cases

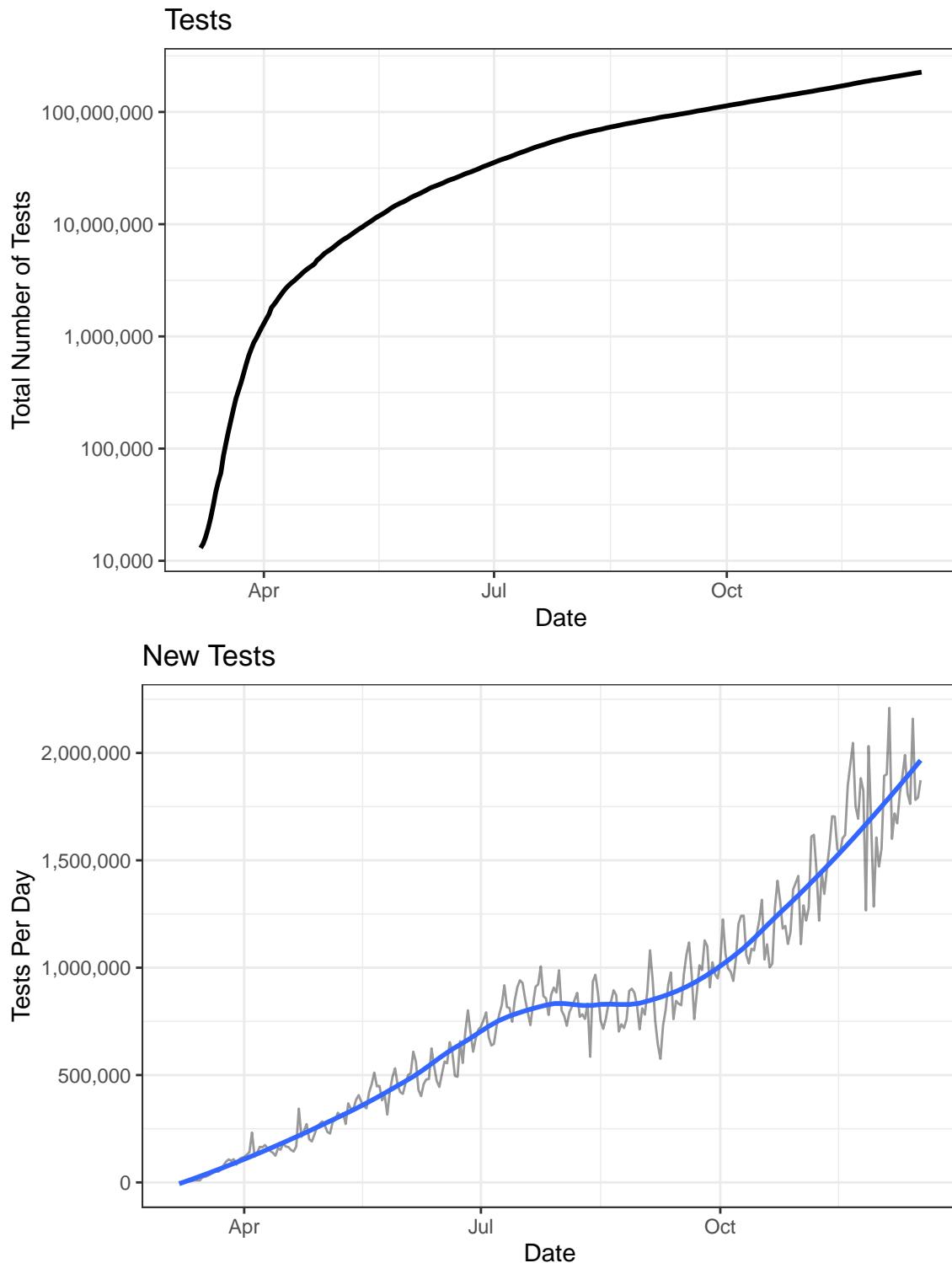


One-Week Change in Daily Cases

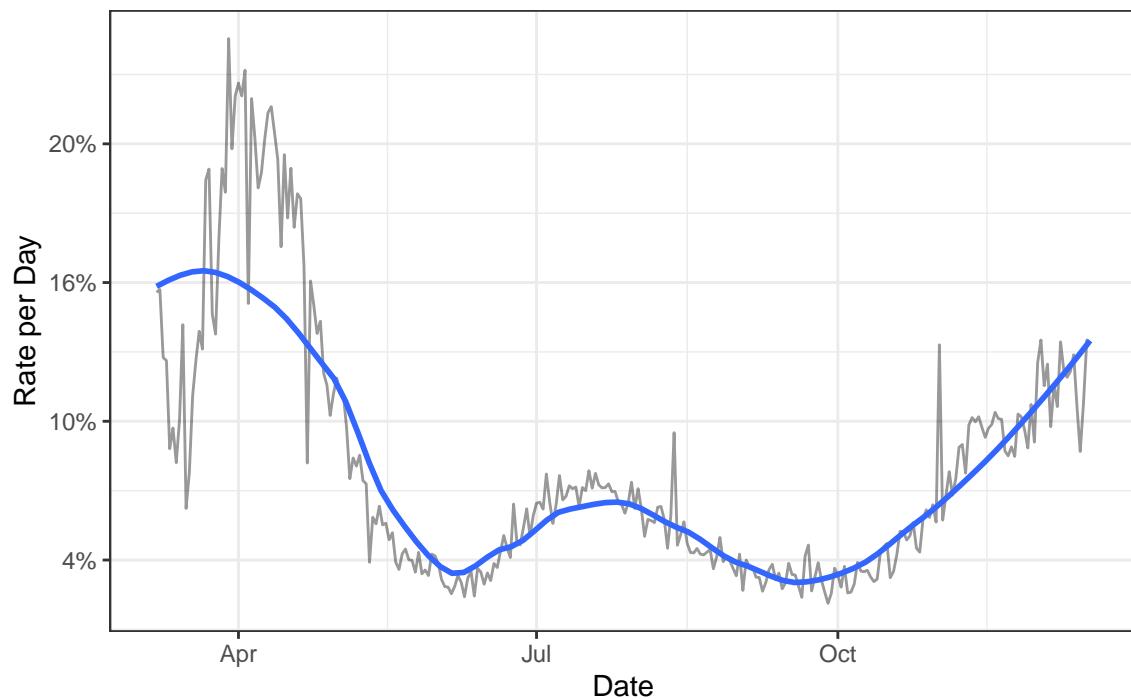


Testing

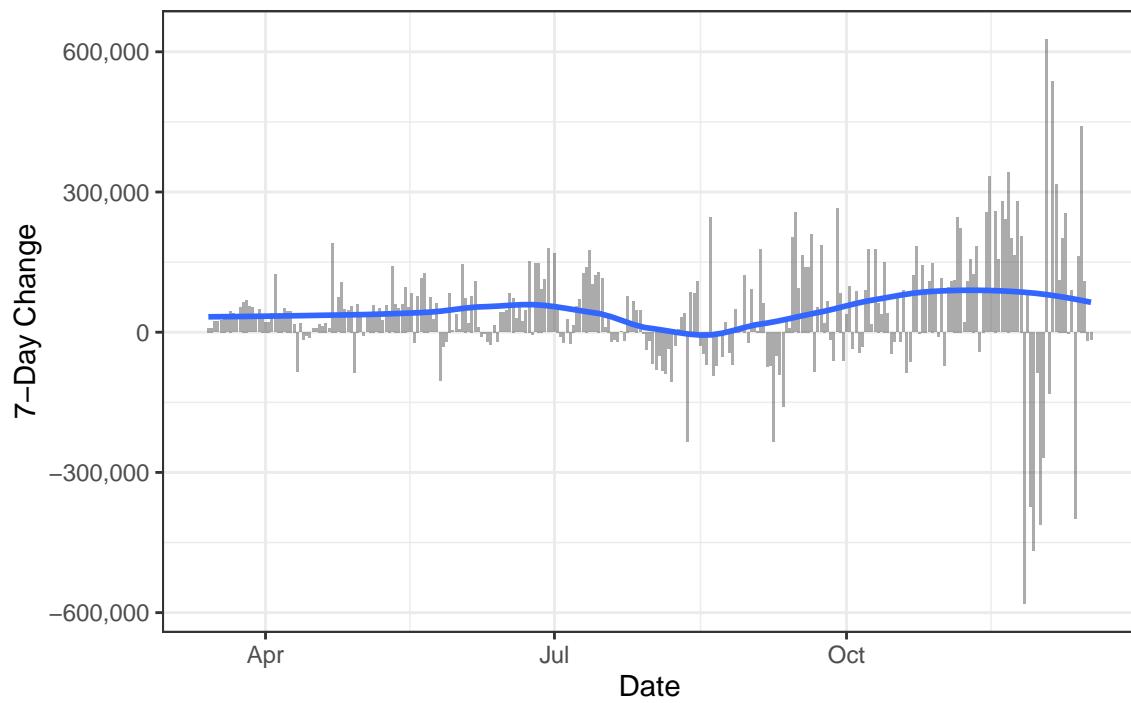
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



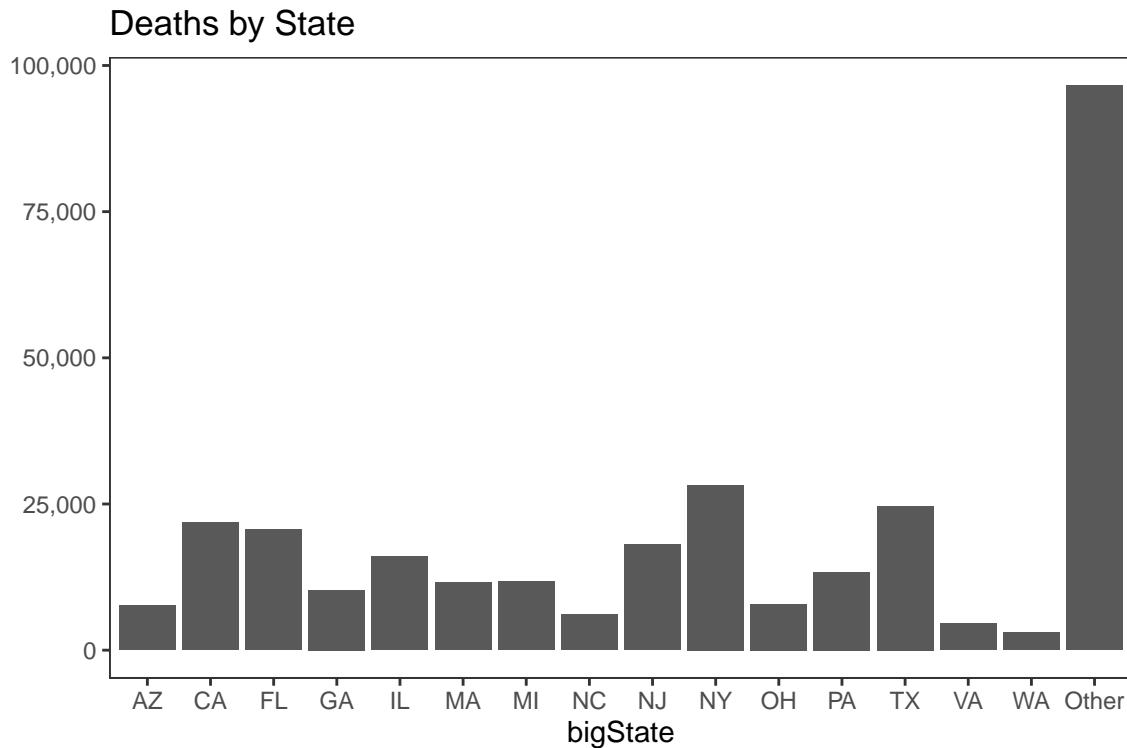
One-Week Change in Daily Tests



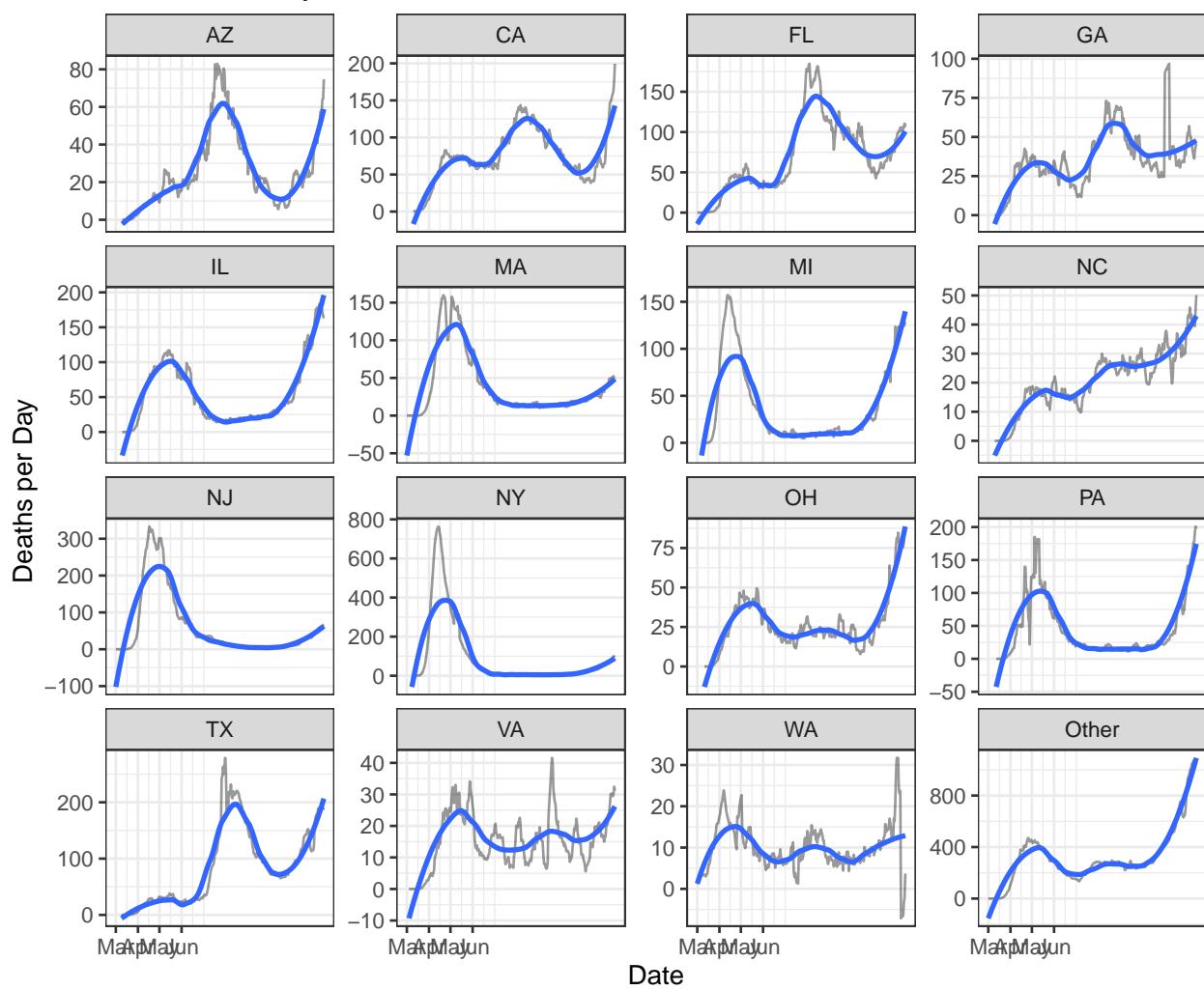
State Data

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.

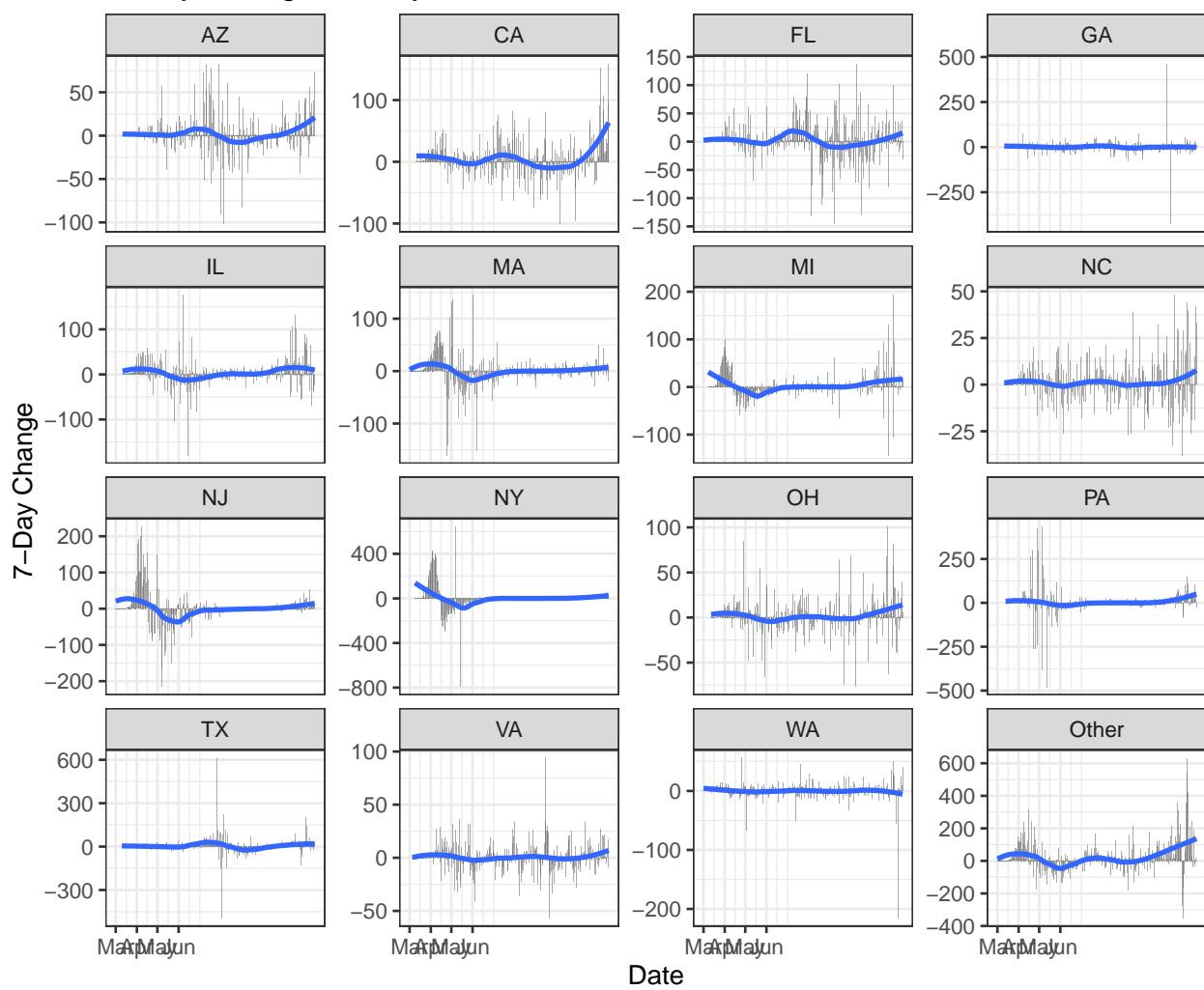
Deaths

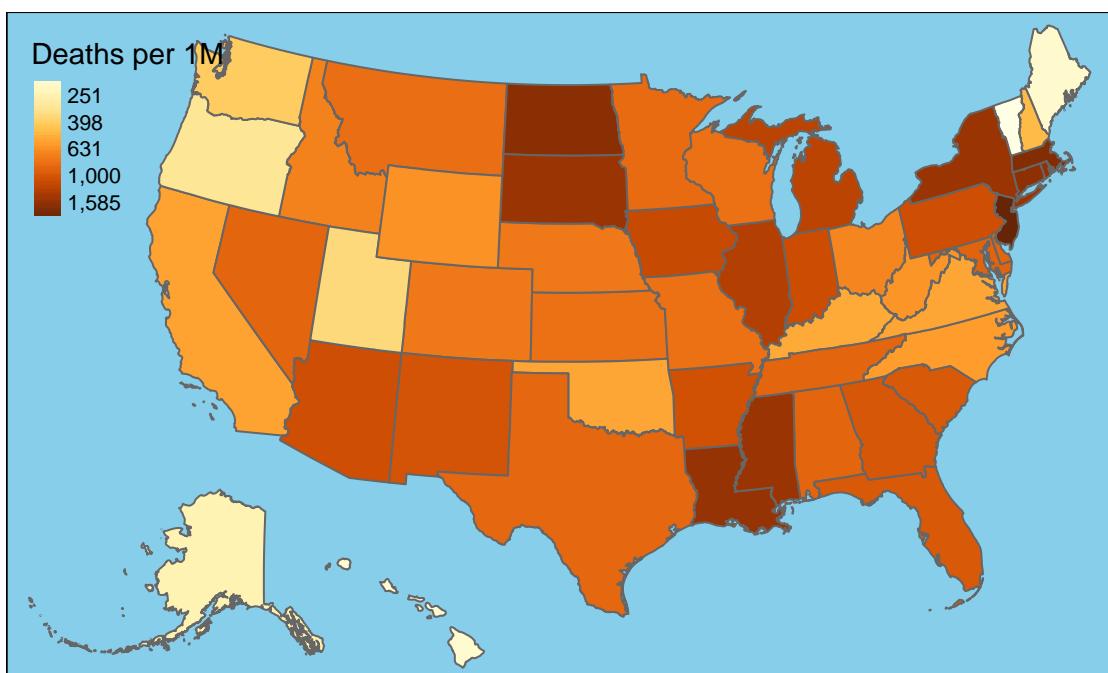
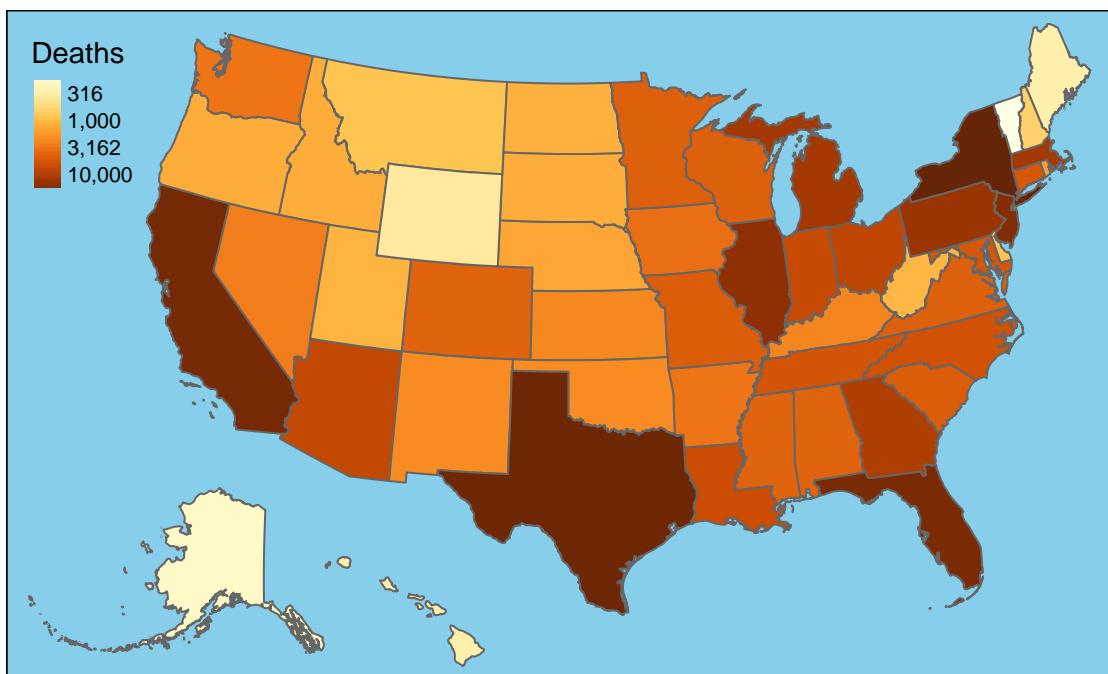


New Deaths by State



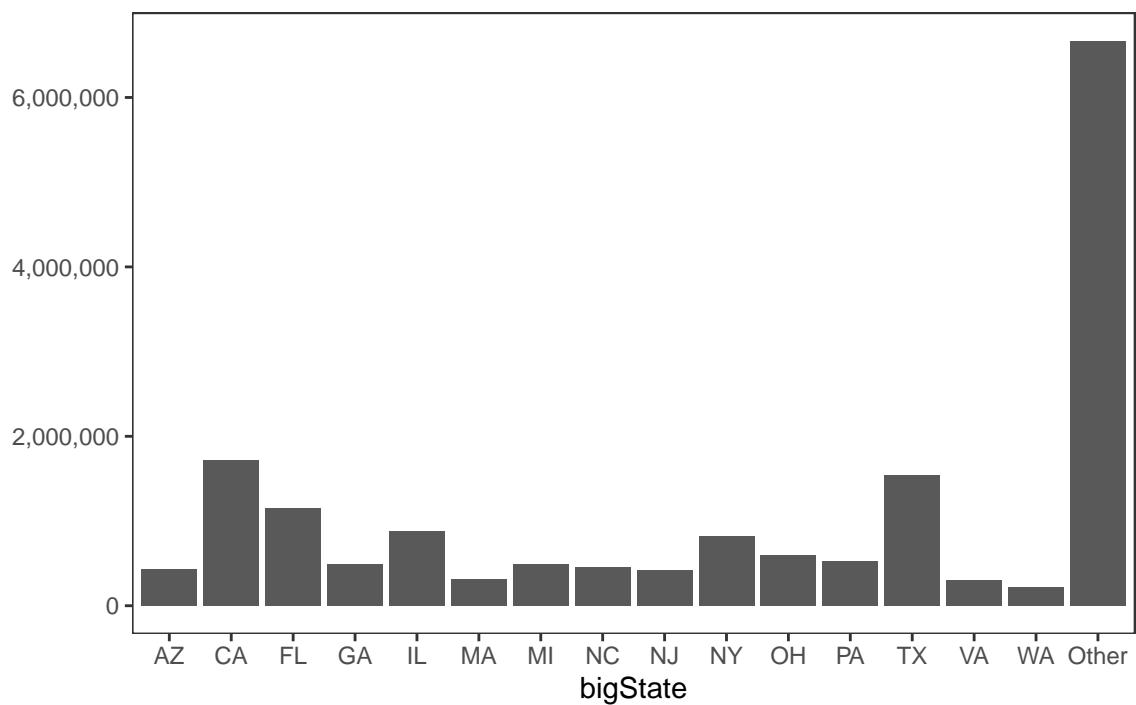
7-Day Change in Daily Deaths



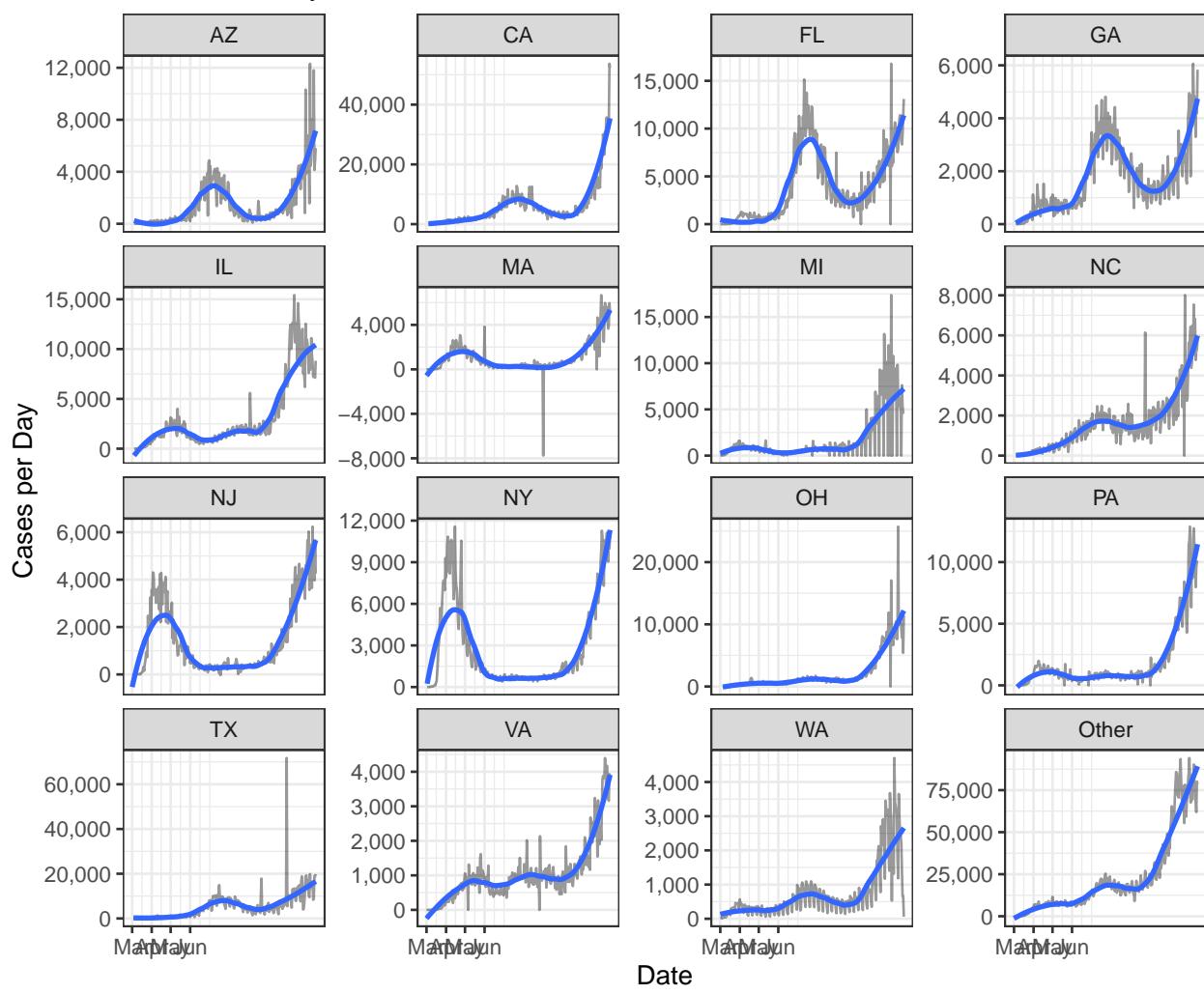


Cases

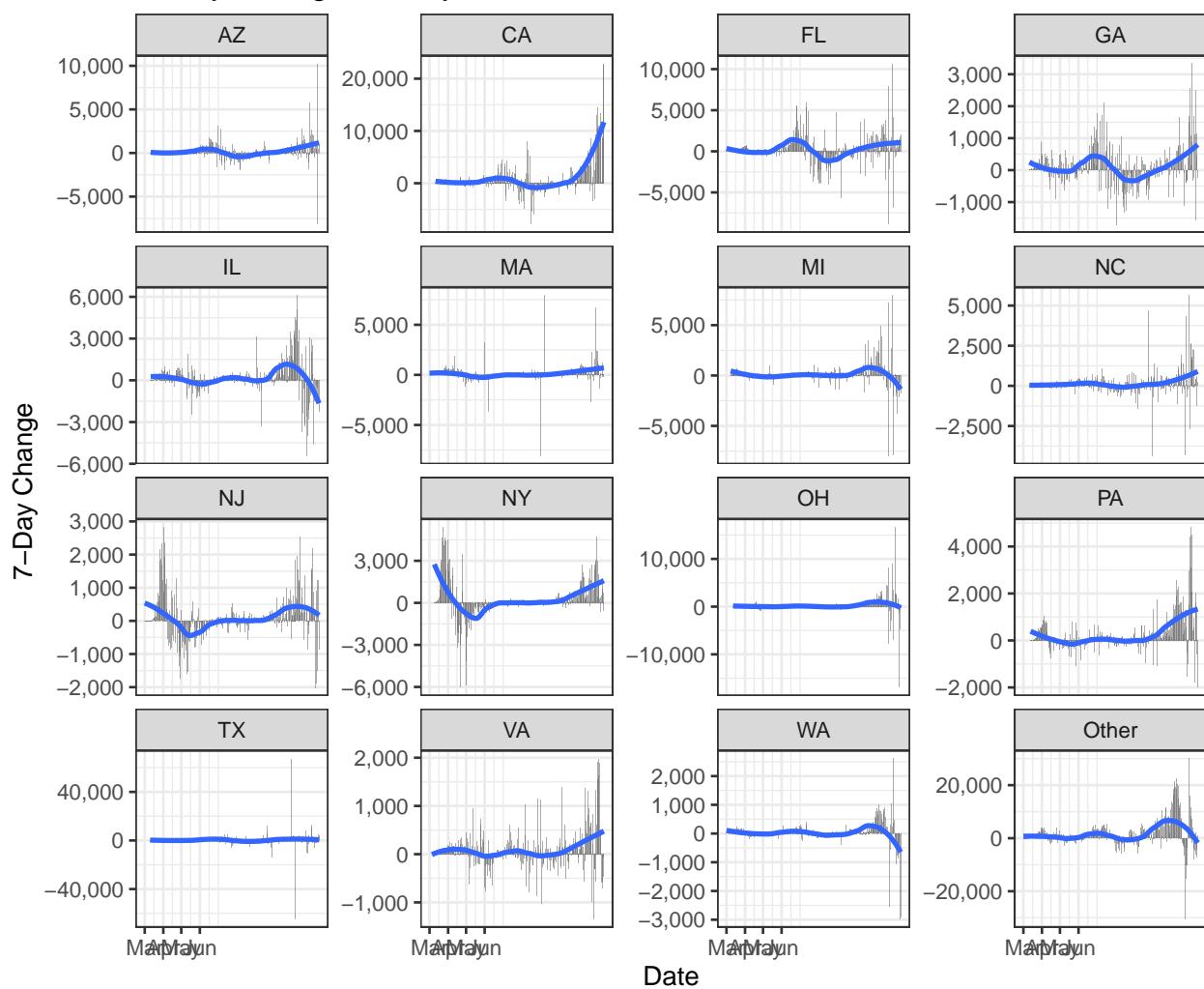
Cases by State

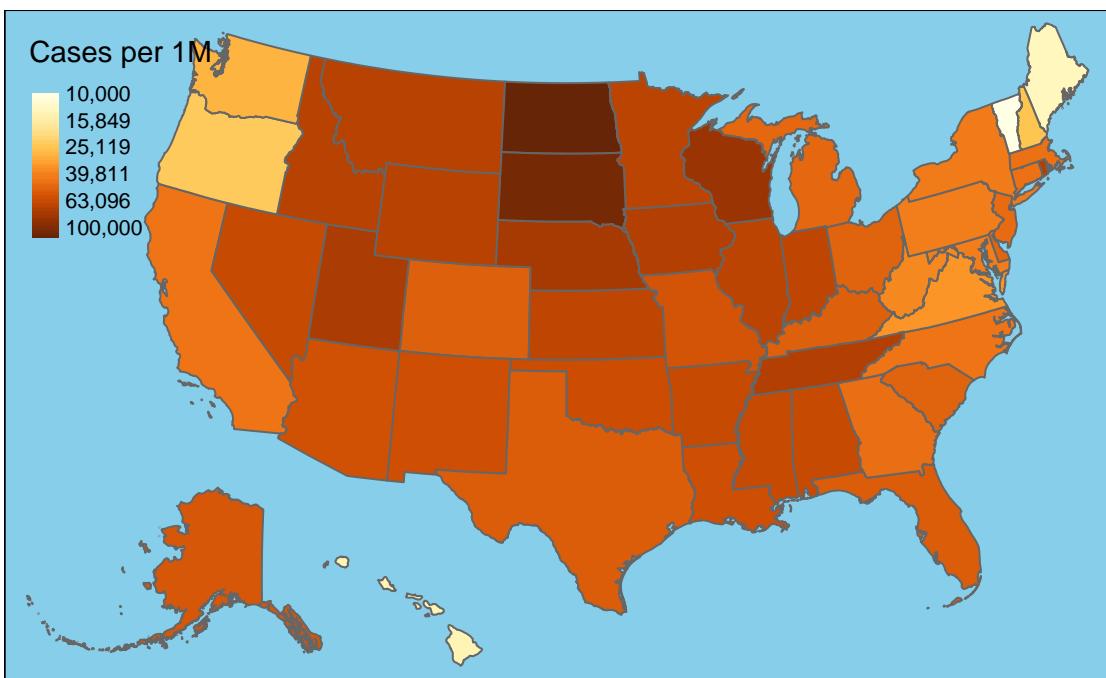
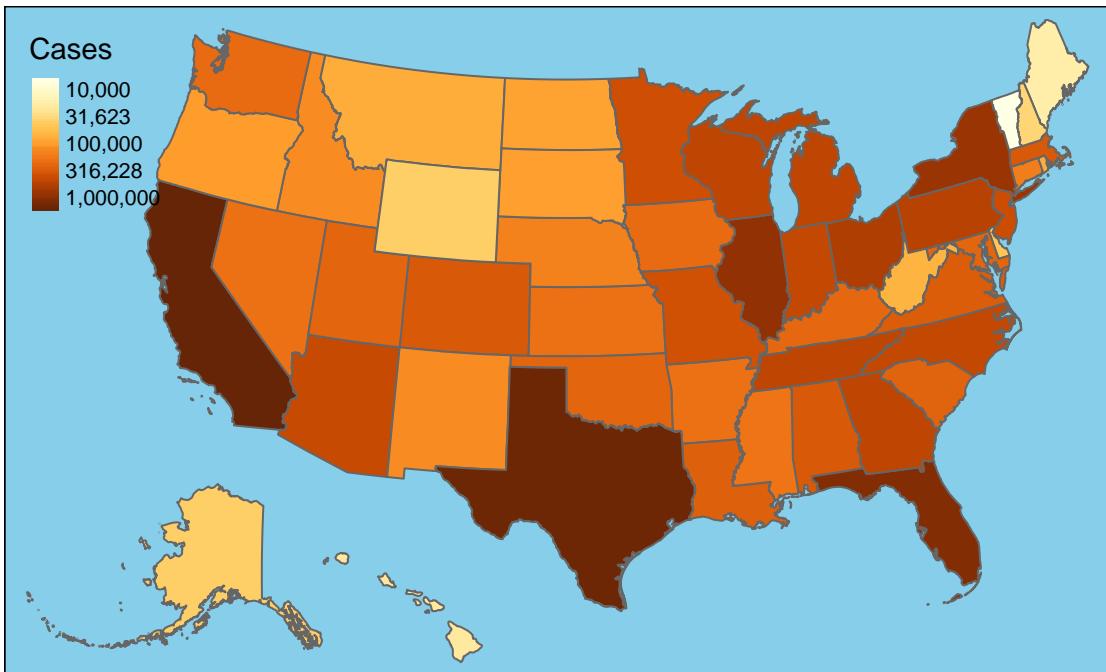


New Cases by State

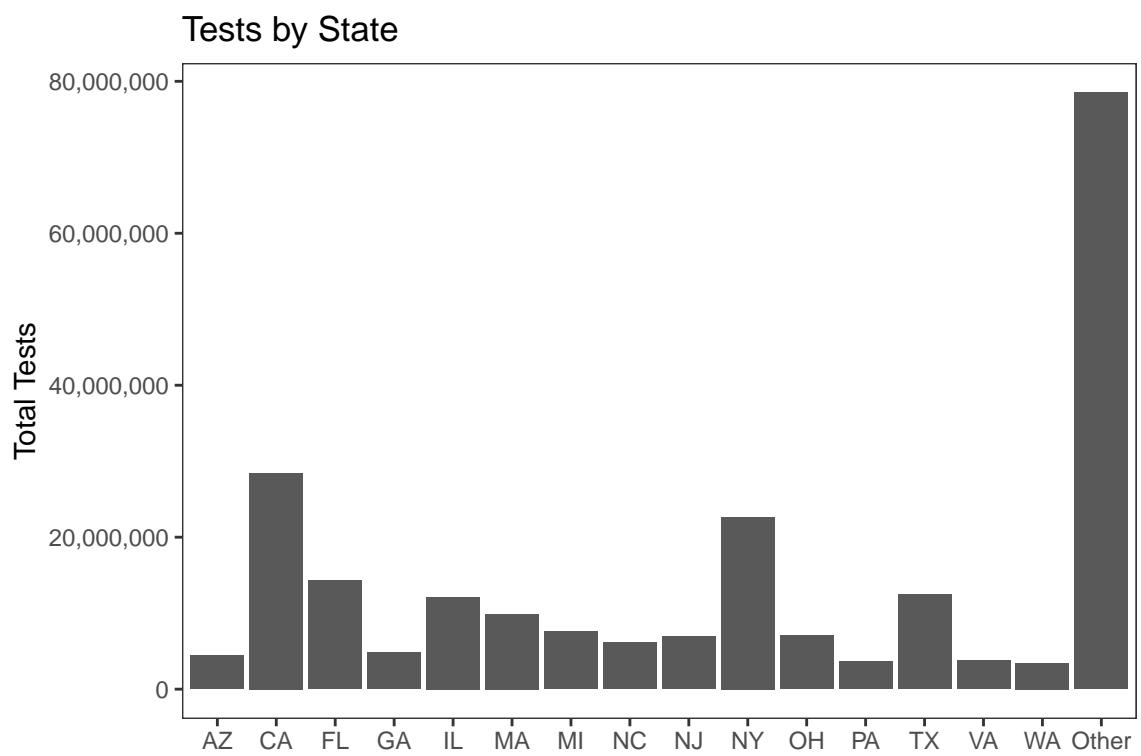


7-Day Change in Daily Cases

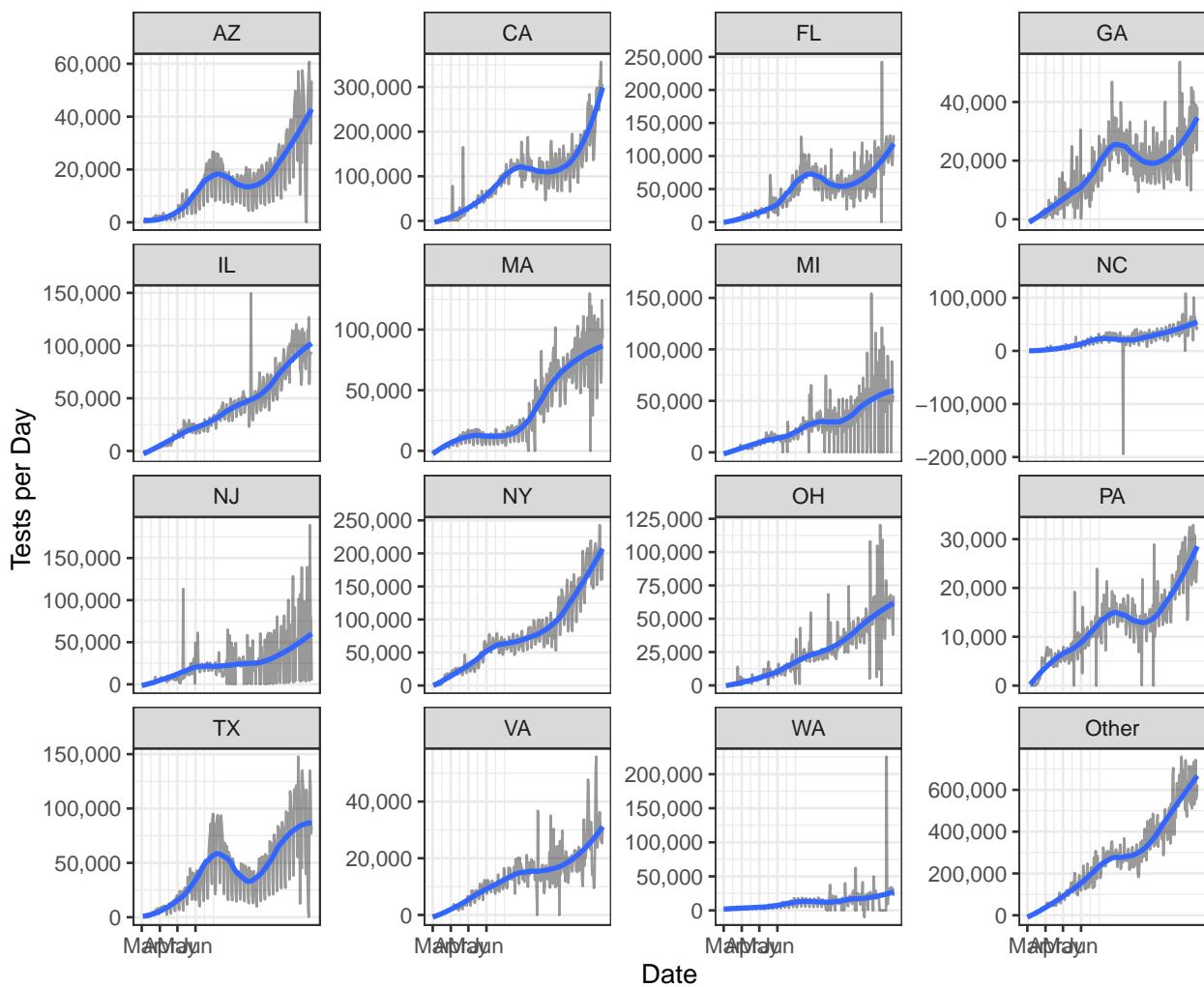


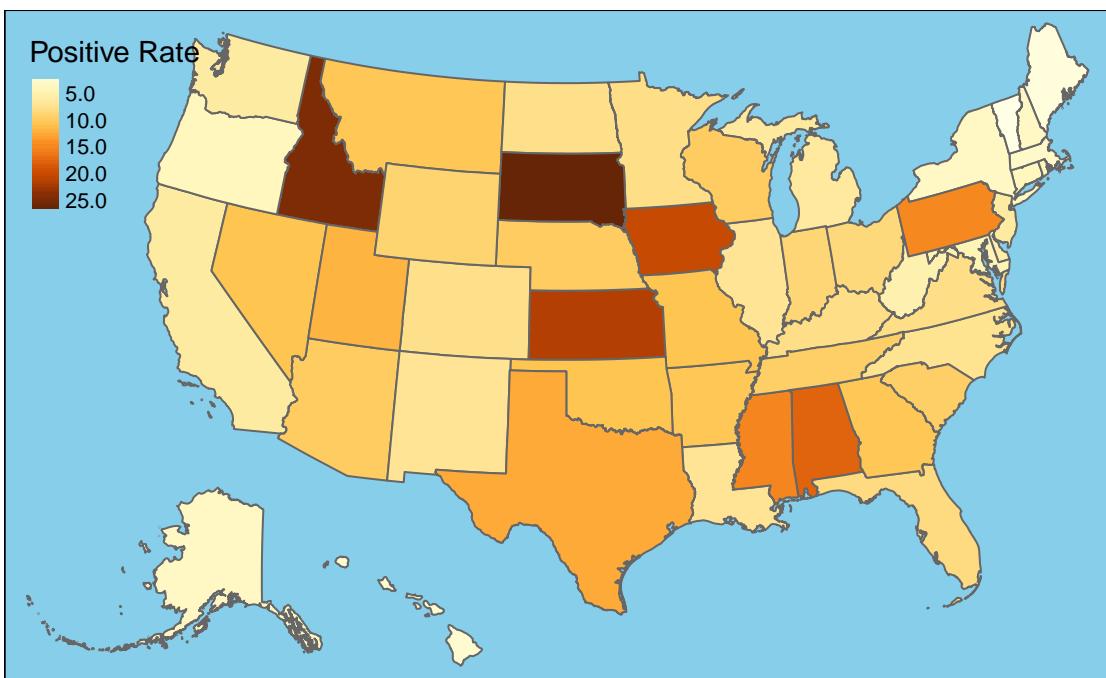
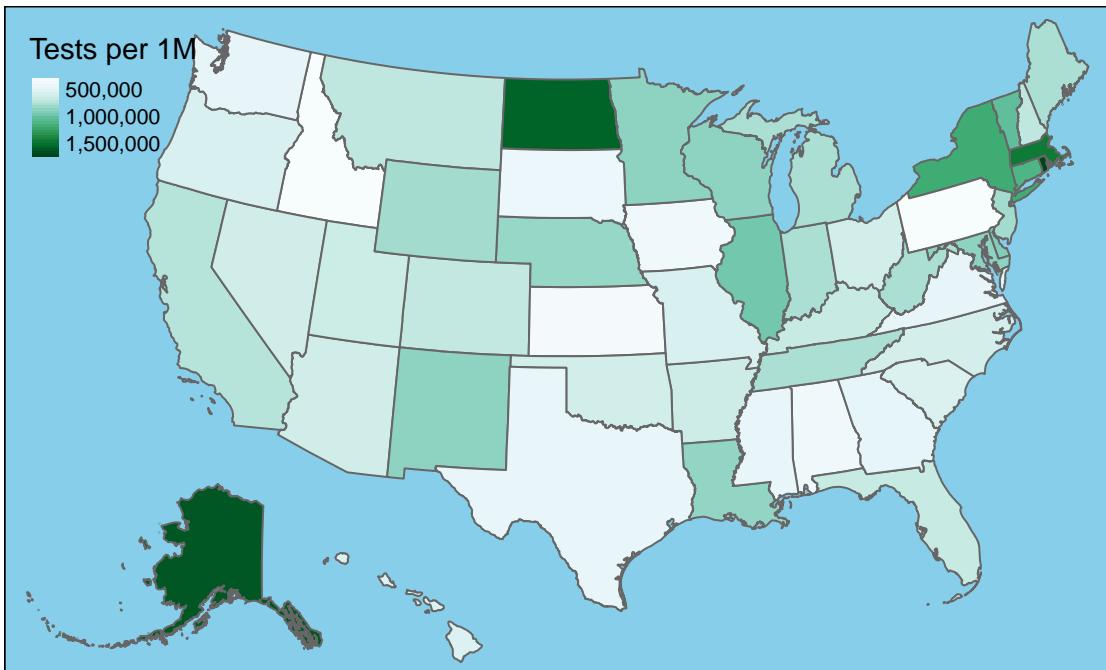


Testing



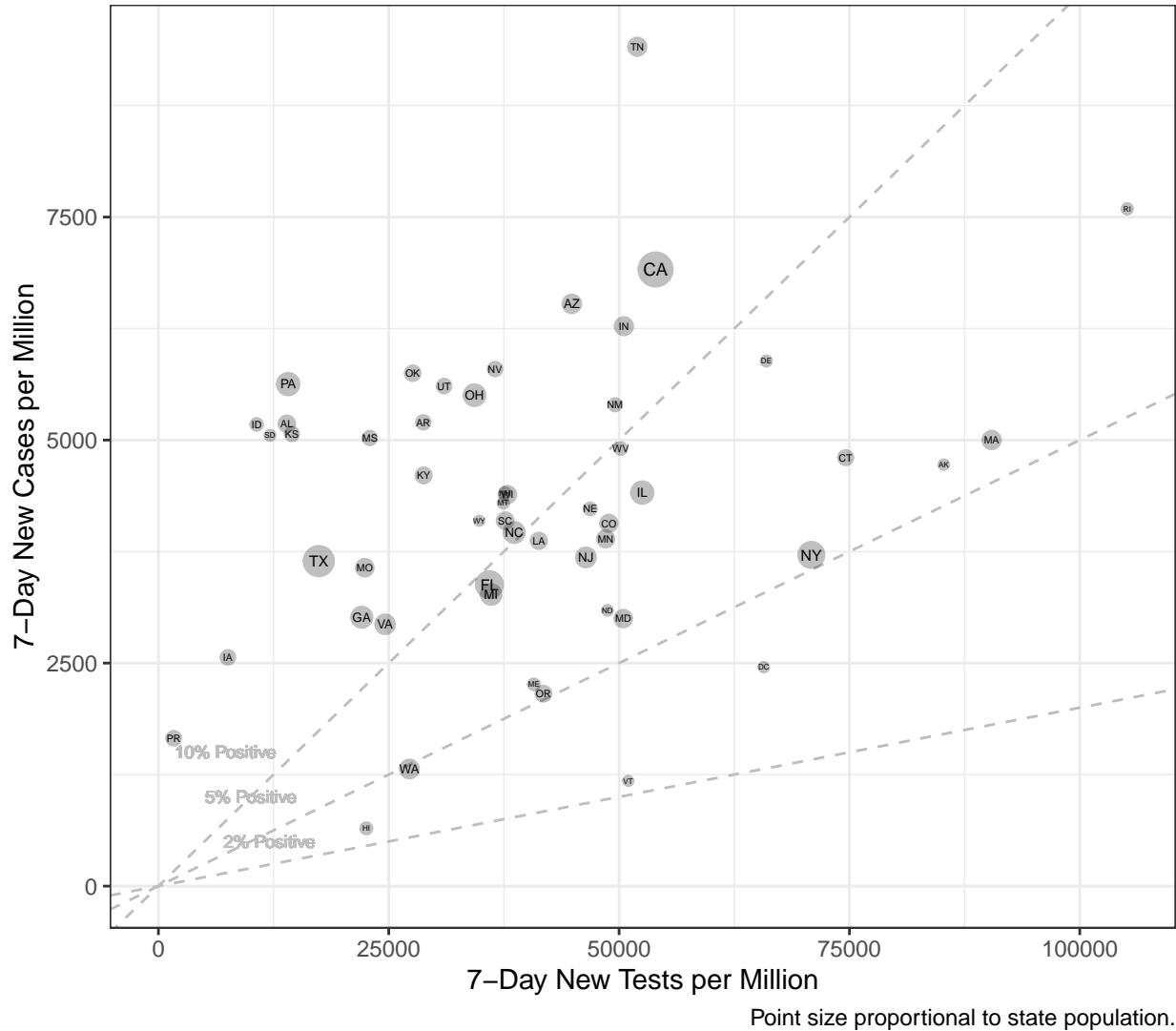
New Tests by State





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



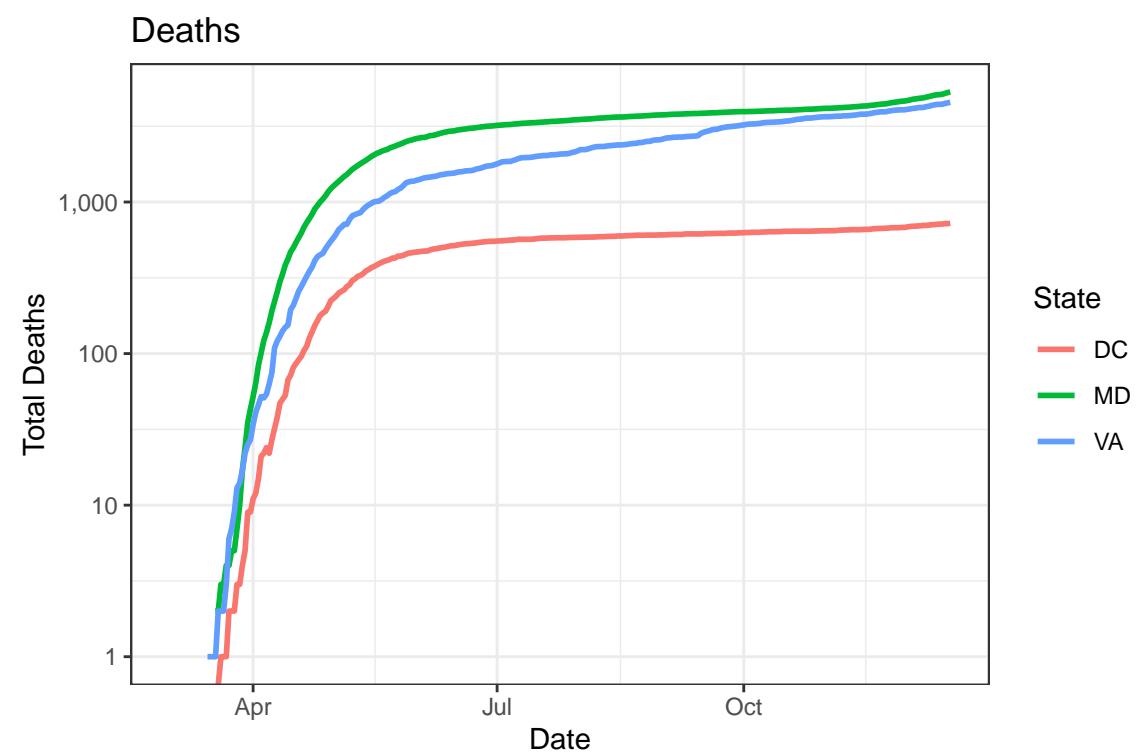
Local Data

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

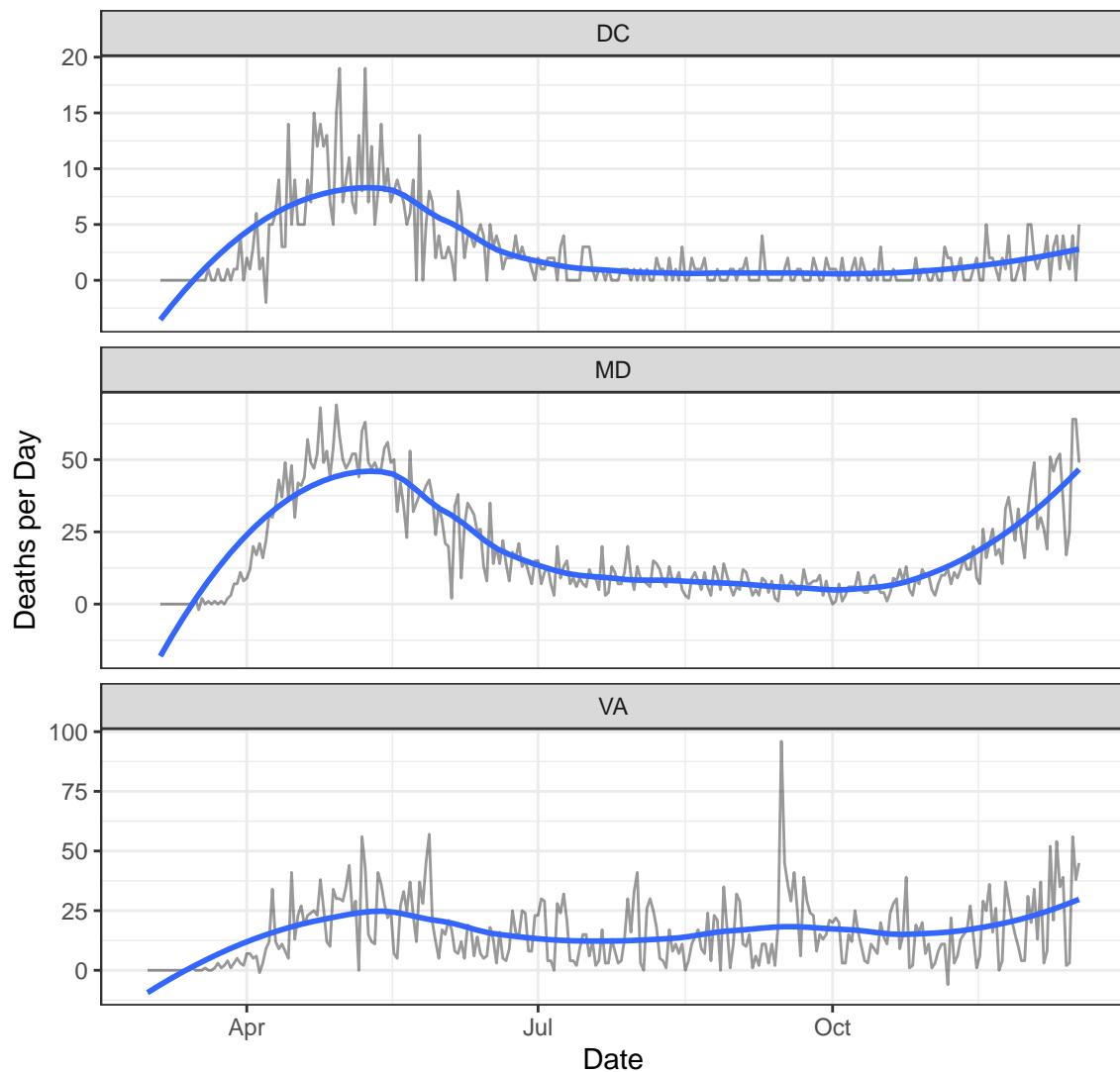
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	25,830	725	228	5
MD	243,984	5,319	2,217	49
VA	296,093	4,553	3,853	45

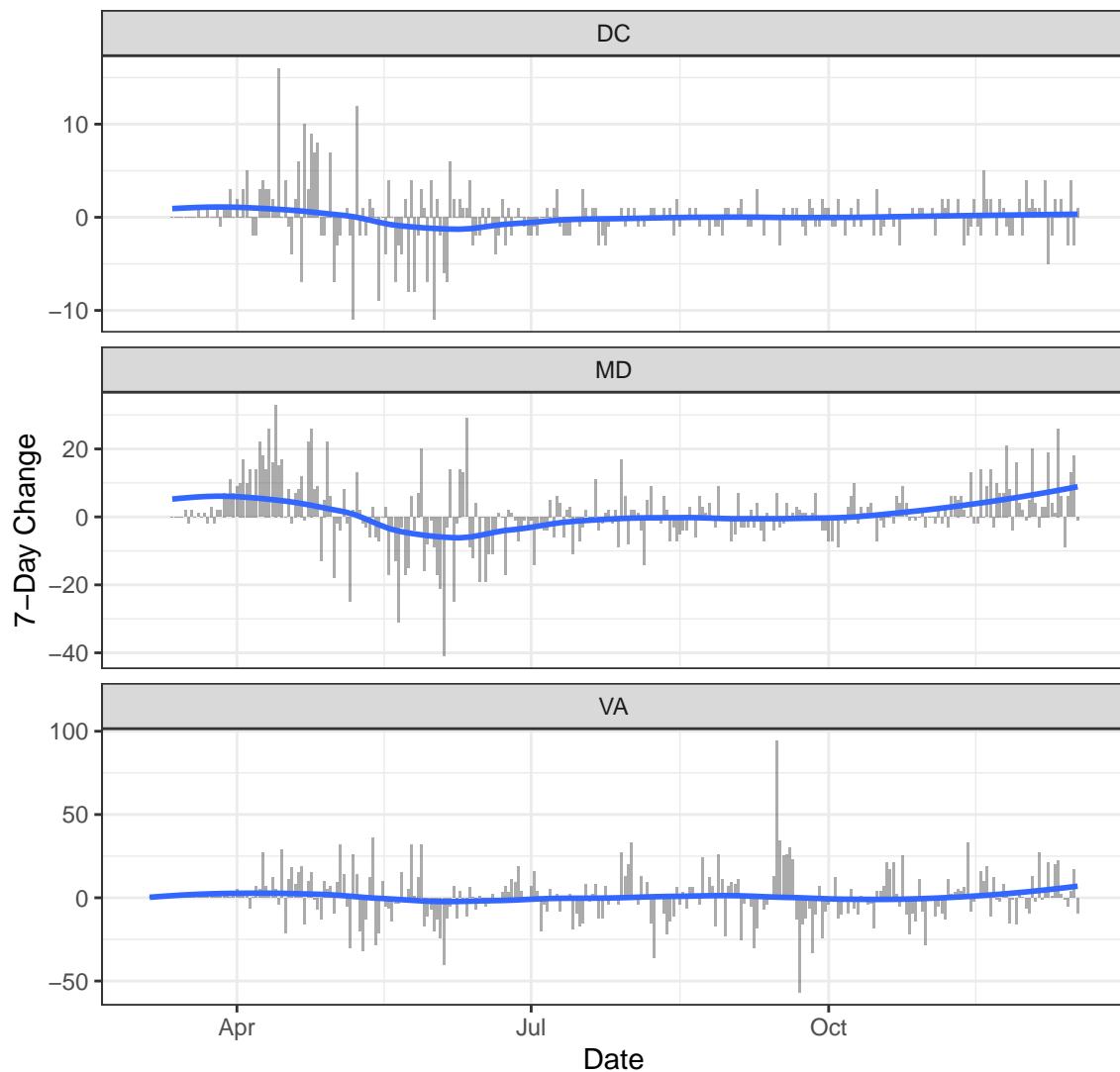
Deaths

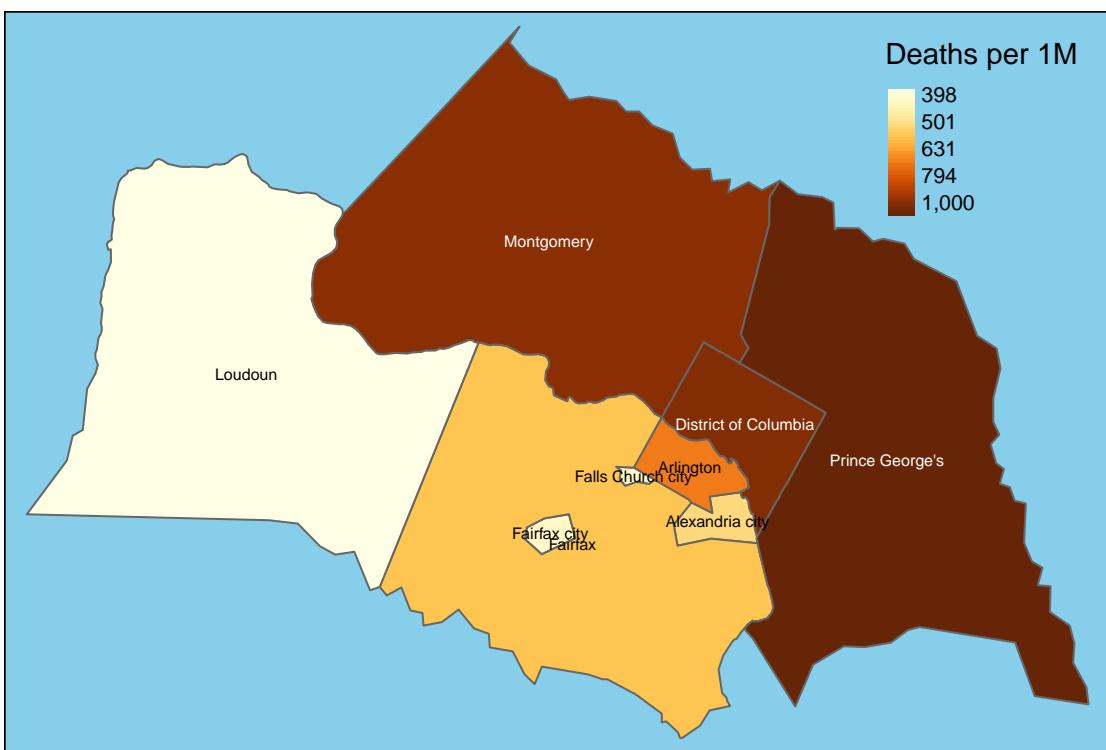
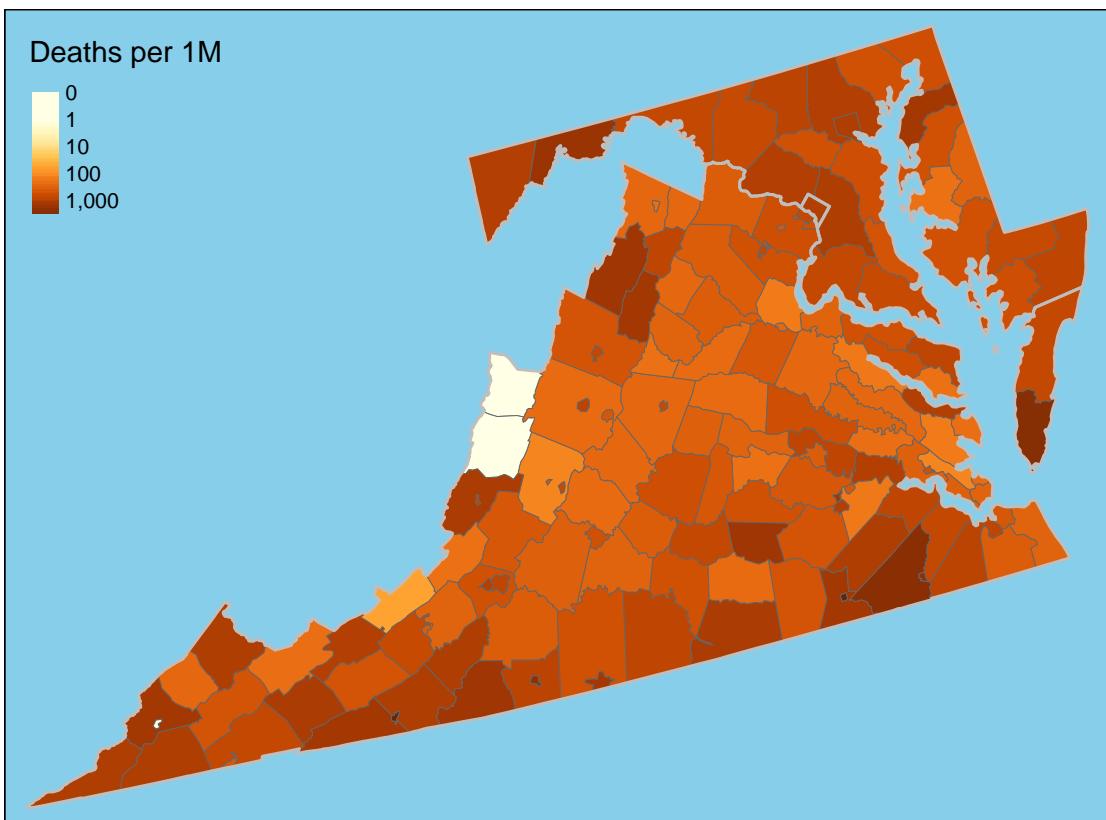


New Deaths

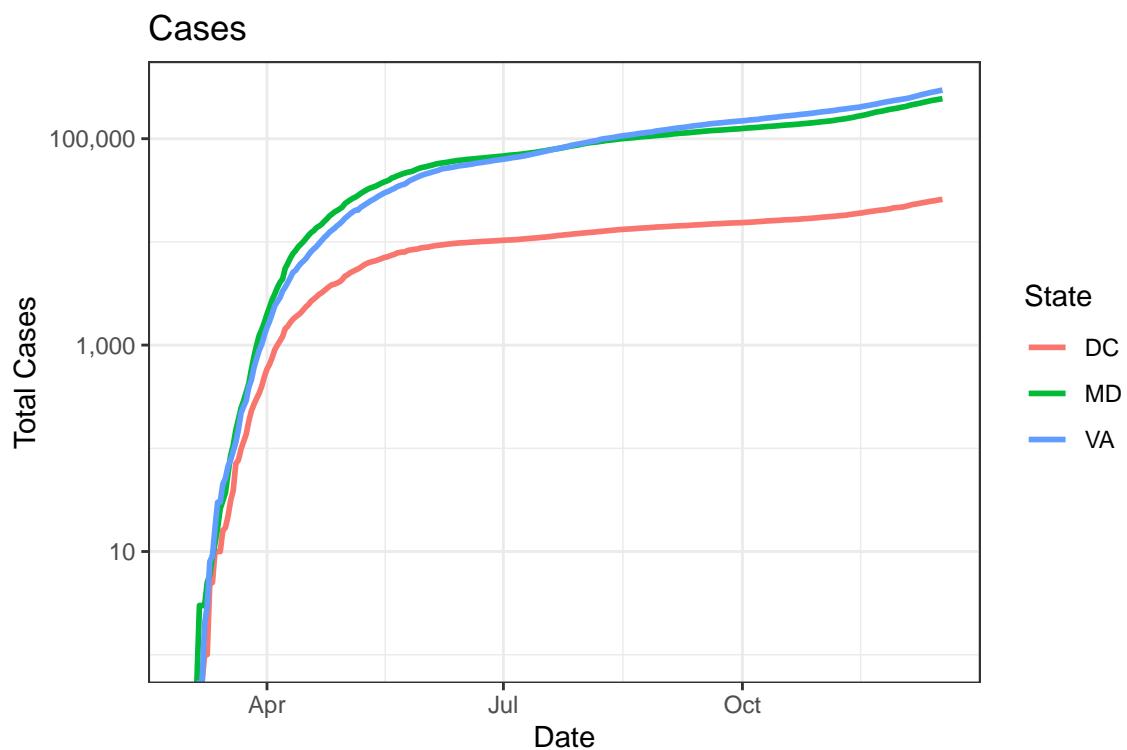


One-Week Change in Daily Deaths

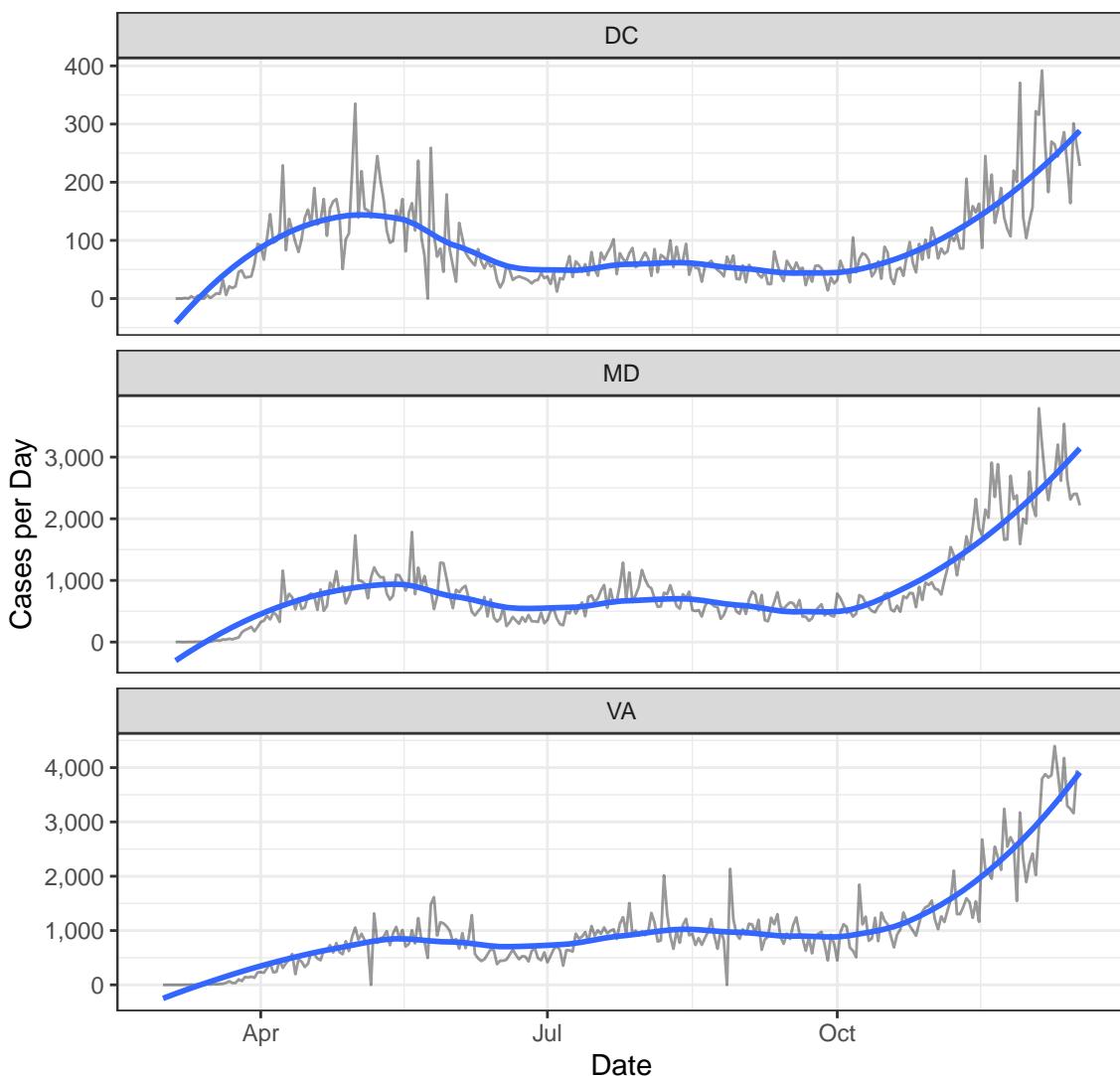




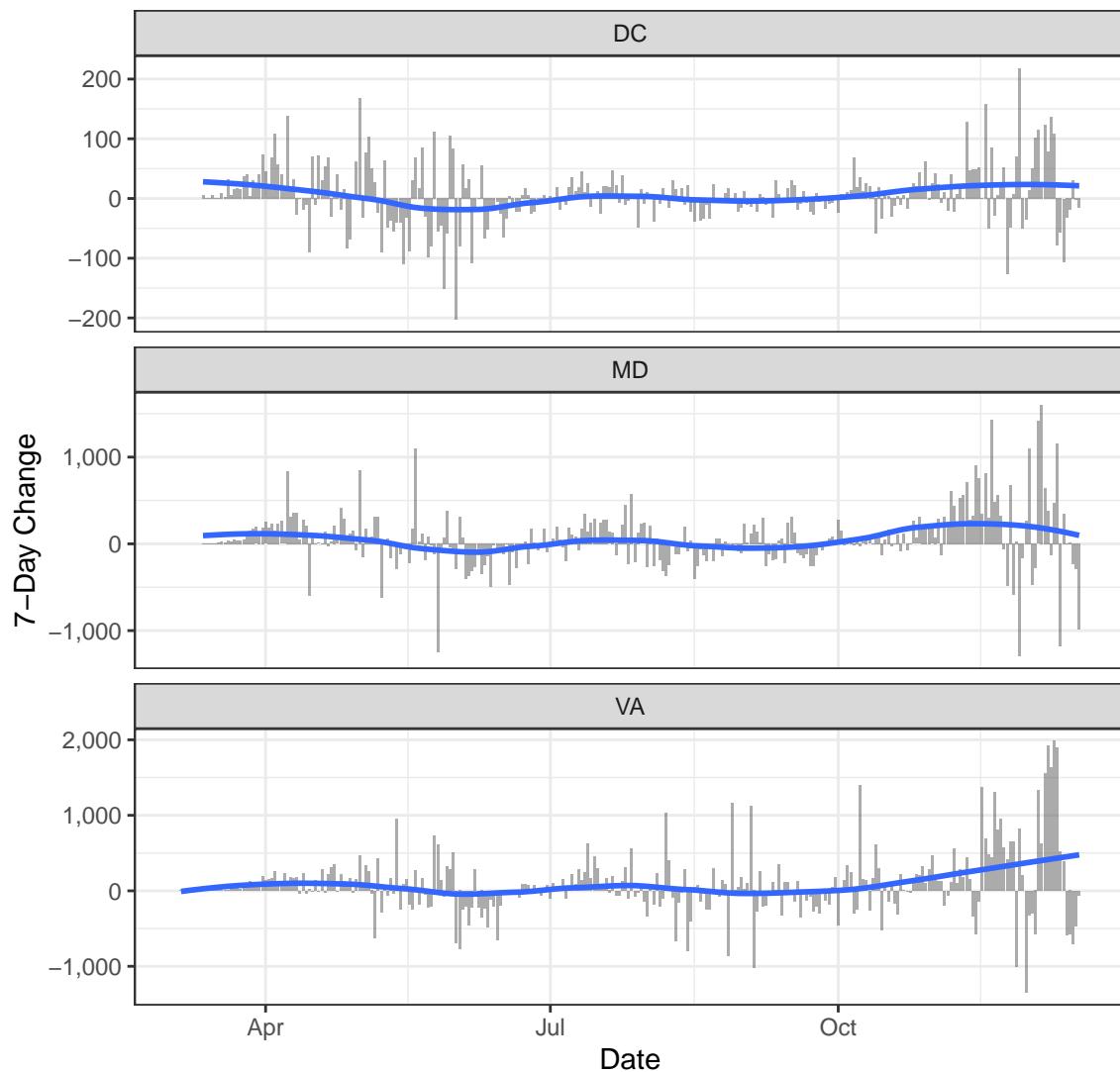
Cases

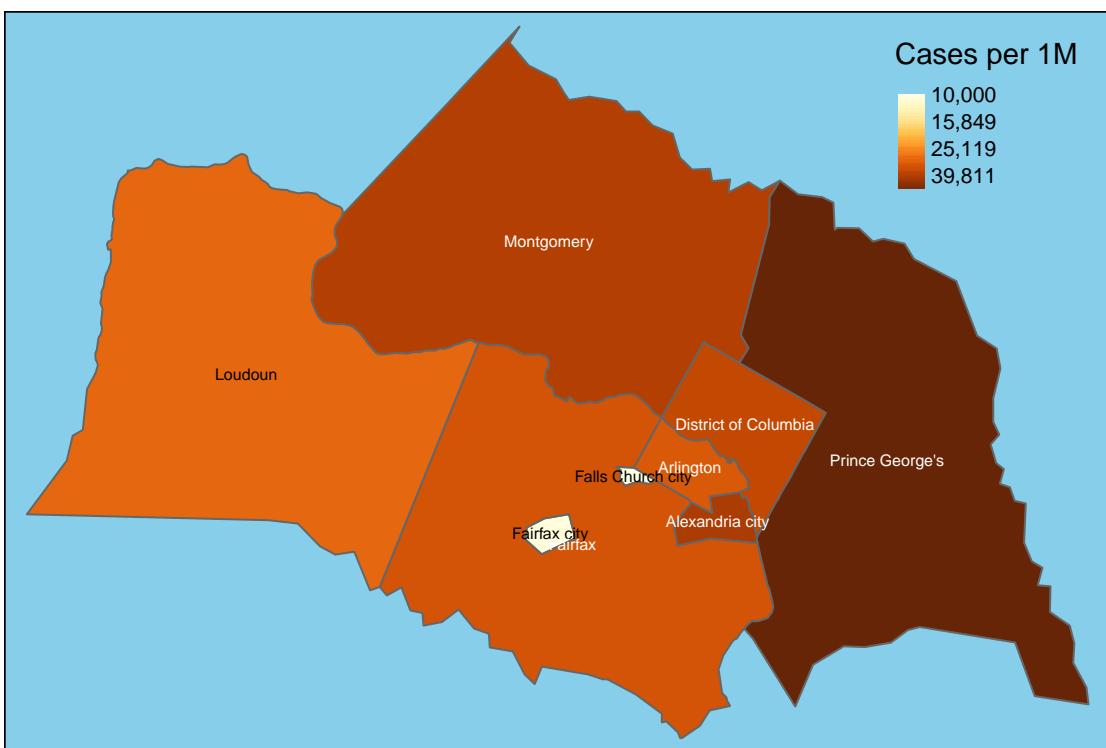
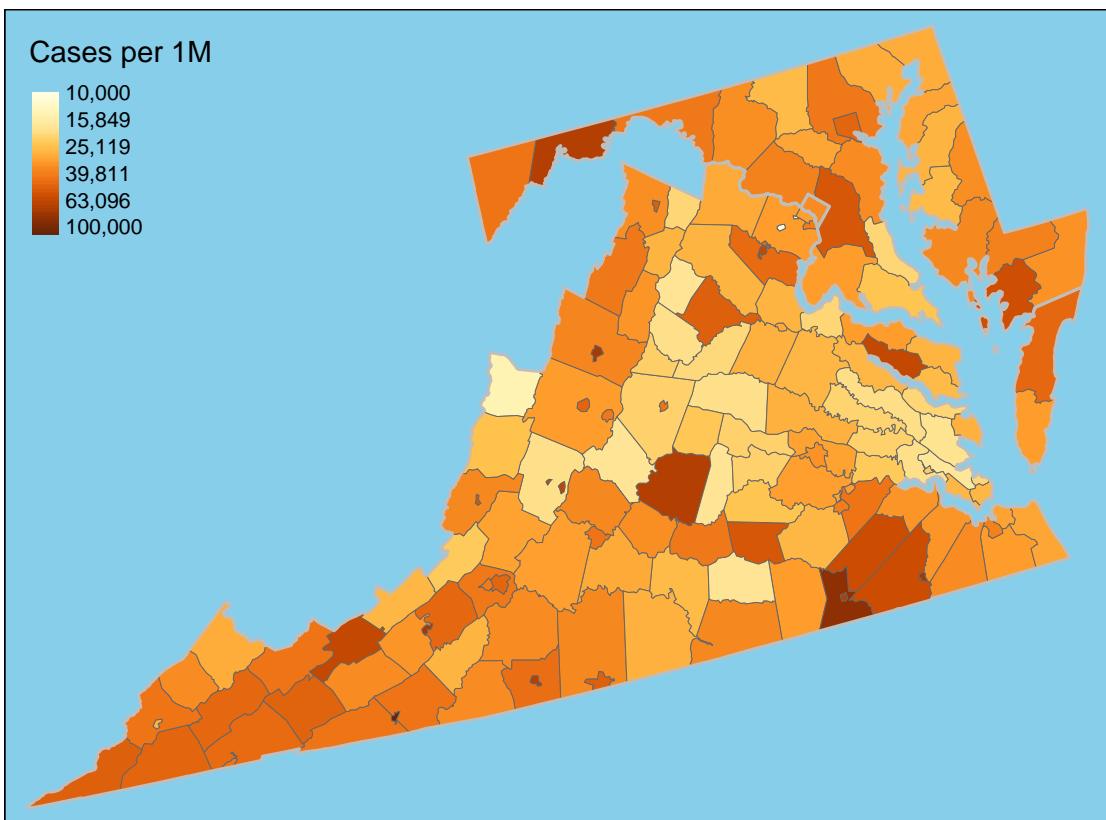


New Cases

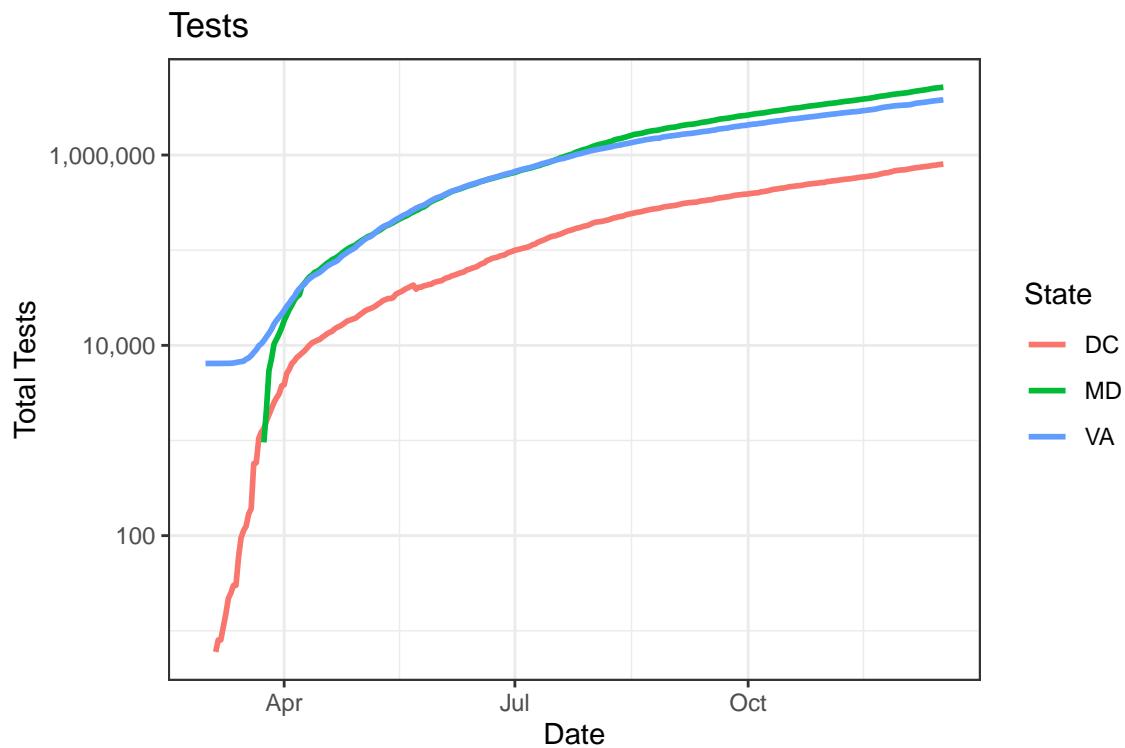


One-Week Change in Daily Cases

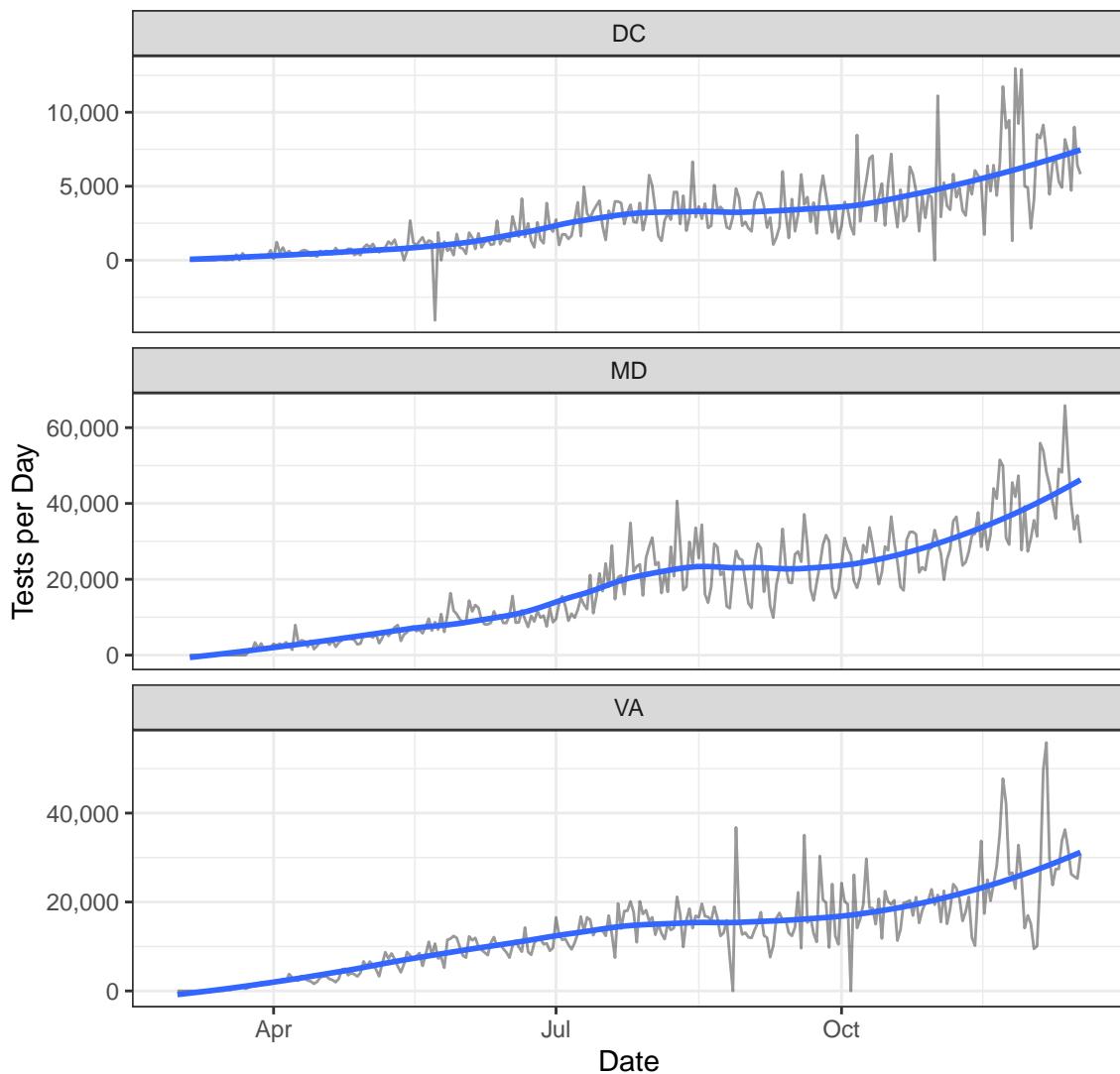




Testing



New Tests



Positive Test Rate

