

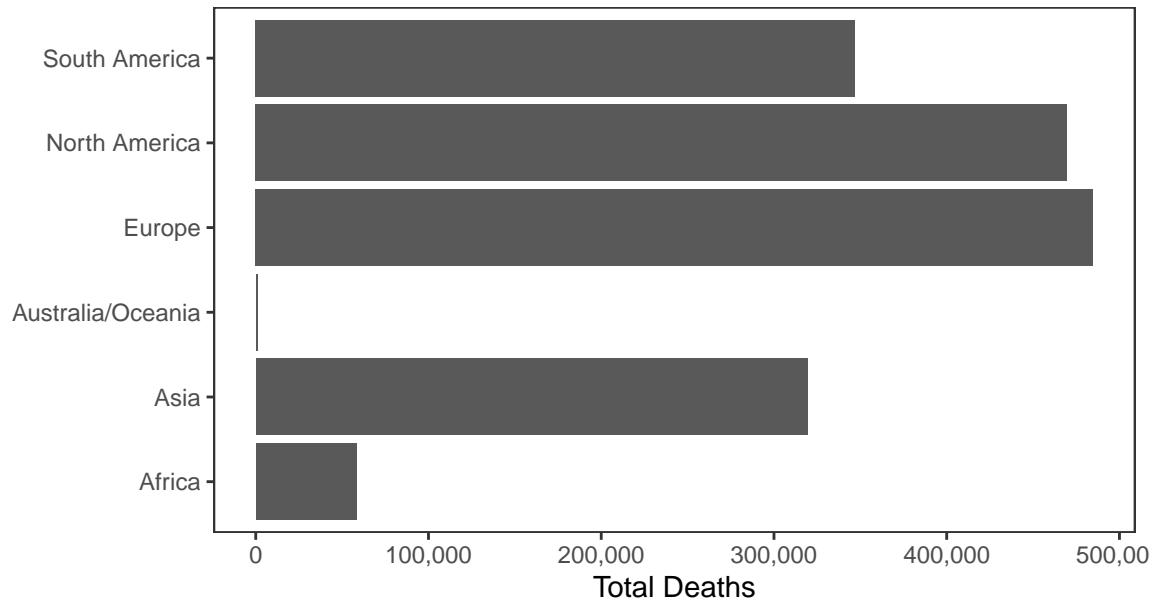
Erik's Covid-19 Chart Pack

Data updated 2020-12-19 08:53:10. 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 75,992,772 confirmed Covid-19 cases and 1,680,357 deaths worldwide.

Deaths



Cases

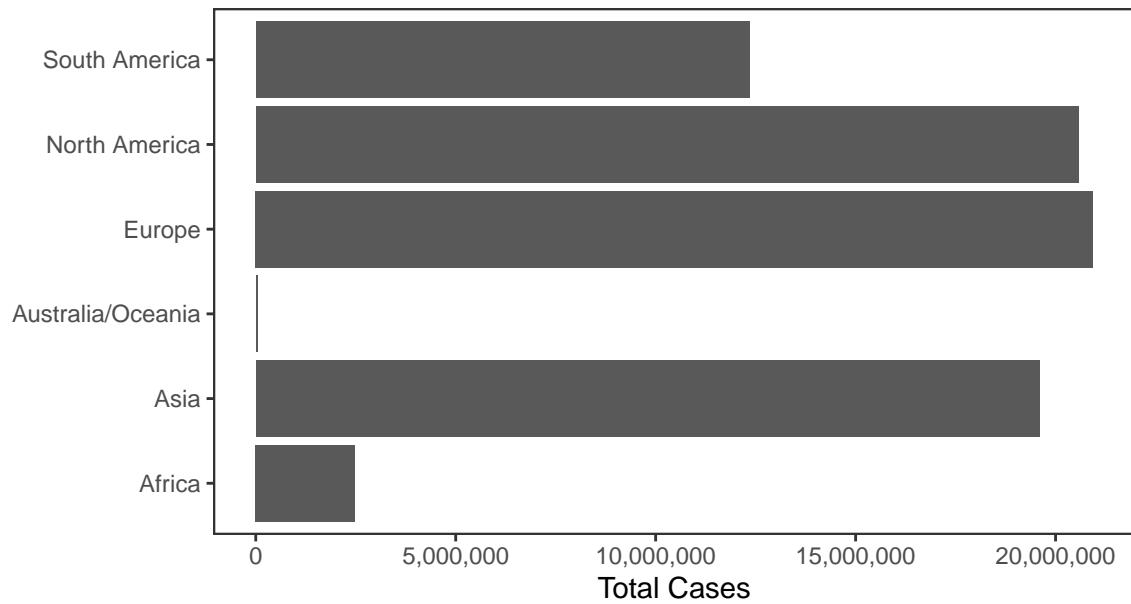
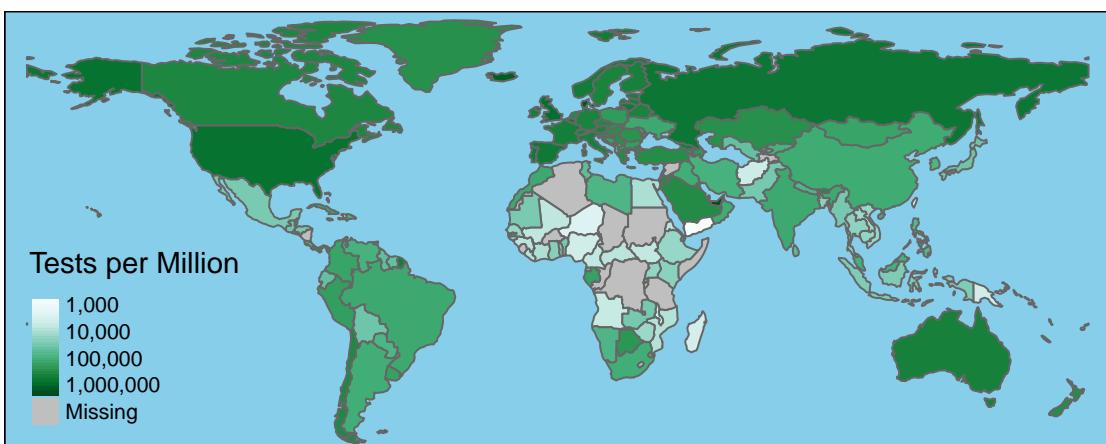
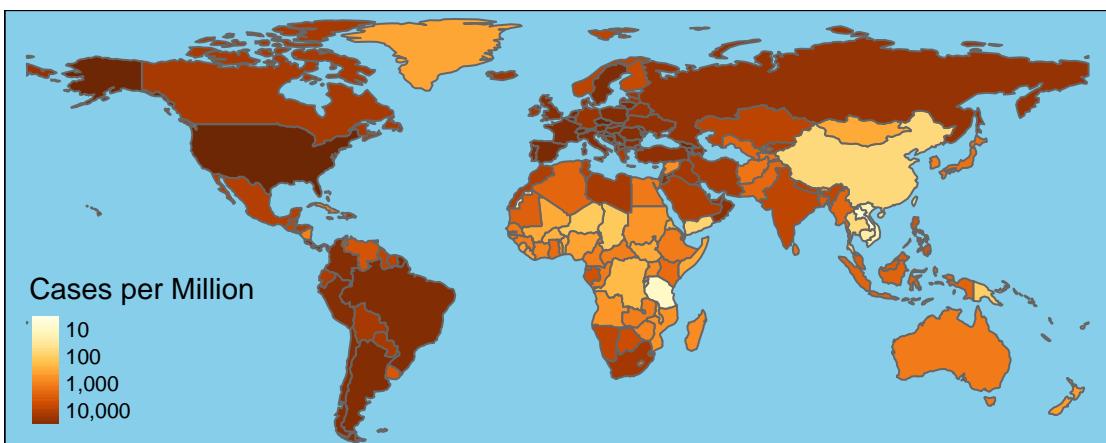
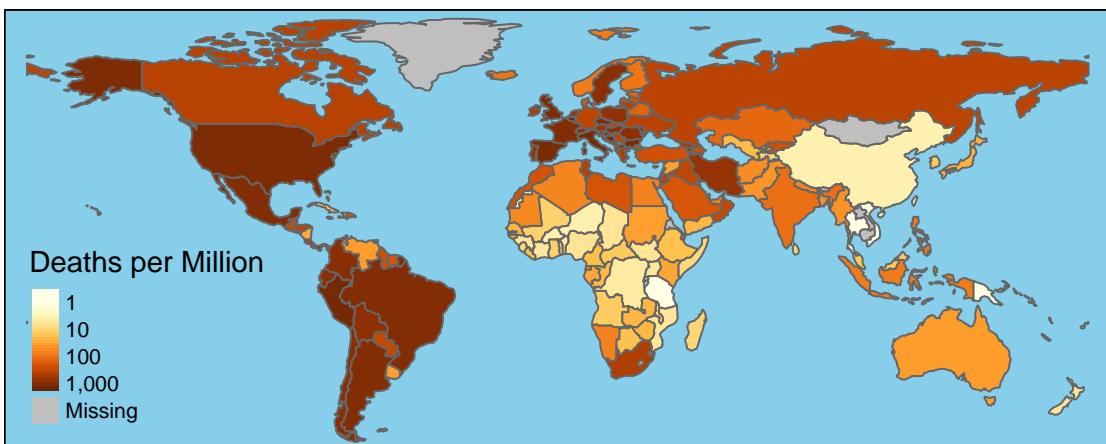


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	17,888,353	320,845	254,680	2,794
India	10,004,825	145,171	26,991	342
Brazil	7,163,912	185,687	52,385	811
Russia	2,791,220	49,762	28,552	611
France	2,442,990	60,229	15,674	374
Turkey	1,982,090	17,610	26,410	246
UK	1,977,167	66,541	28,507	489
Italy	1,921,778	67,894	17,992	674
Spain	1,817,448	48,926	11,815	149
Argentina	1,531,374	41,672	7,002	138
Colombia	1,482,072	40,019	13,277	232
Germany	1,469,991	26,003	31,553	838
Mexico	1,289,298	116,487	11,799	718
Poland	1,182,843	24,771	10,992	426
Iran	1,145,651	53,273	7,121	178
Peru	993,760	36,969	2,242	68
Ukraine	944,381	16,256	12,630	260
South Africa	901,538	24,285	8,725	274
Netherlands	664,456	10,405	11,931	84
Indonesia	650,197	19,514	6,689	124



National Data

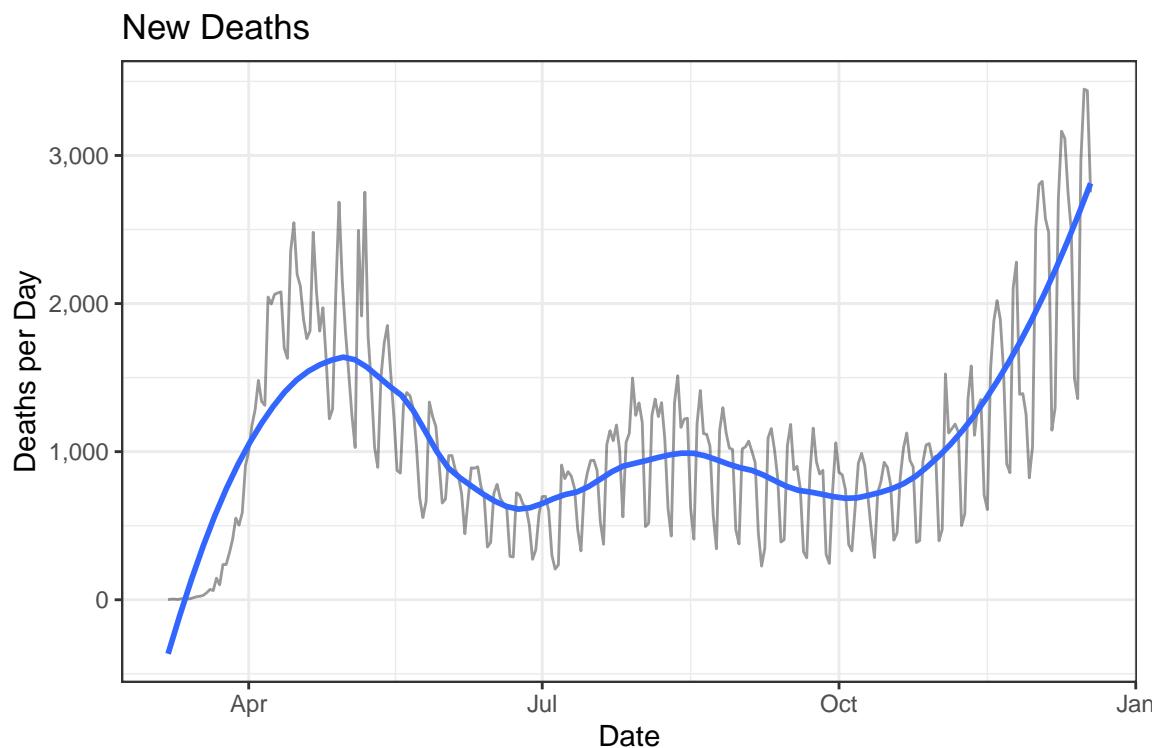
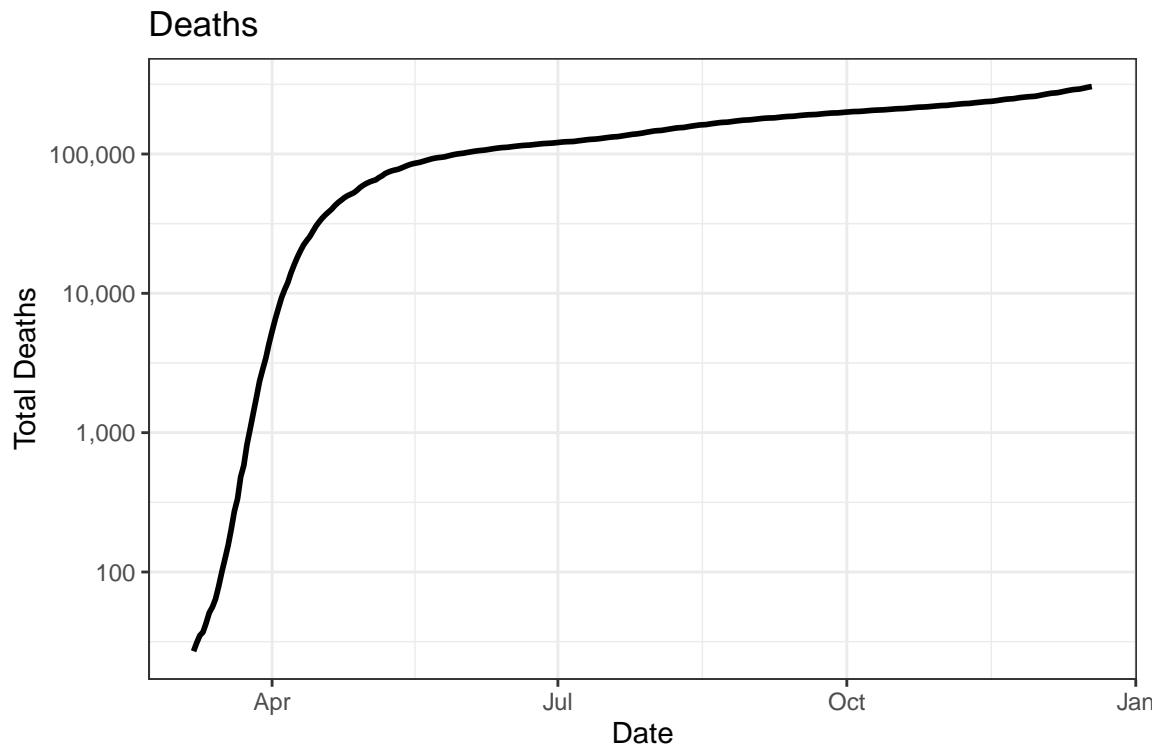
There have been 17,240,643 confirmed Covid-19 cases and 305,012 deaths in the United States.

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

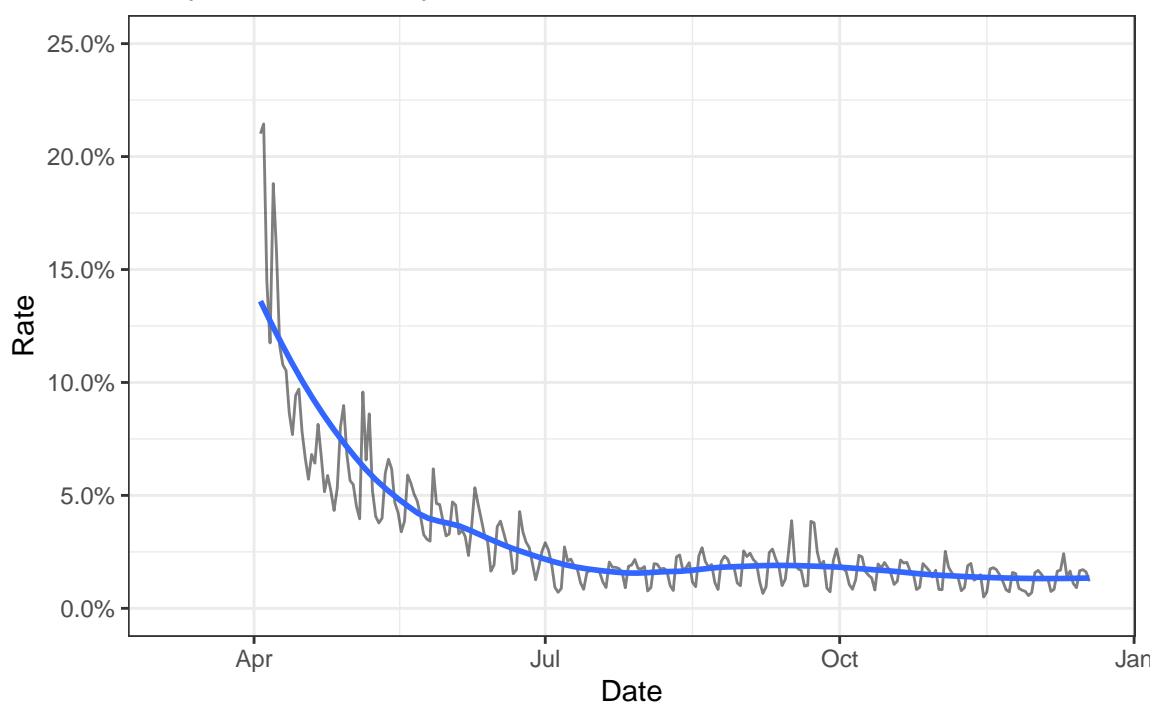
Date	Cases	Deaths	New Cases	New Deaths
2020-12-18	17,240,643	305,012	228,825	2,751
2020-12-17	17,011,818	302,261	240,156	3,438
2020-12-16	16,771,662	298,823	231,653	3,448
2020-12-15	16,540,009	295,375	189,783	2,971
2020-12-14	16,350,226	292,404	192,466	1,358
2020-12-13	16,157,760	291,046	185,801	1,494
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

Deaths

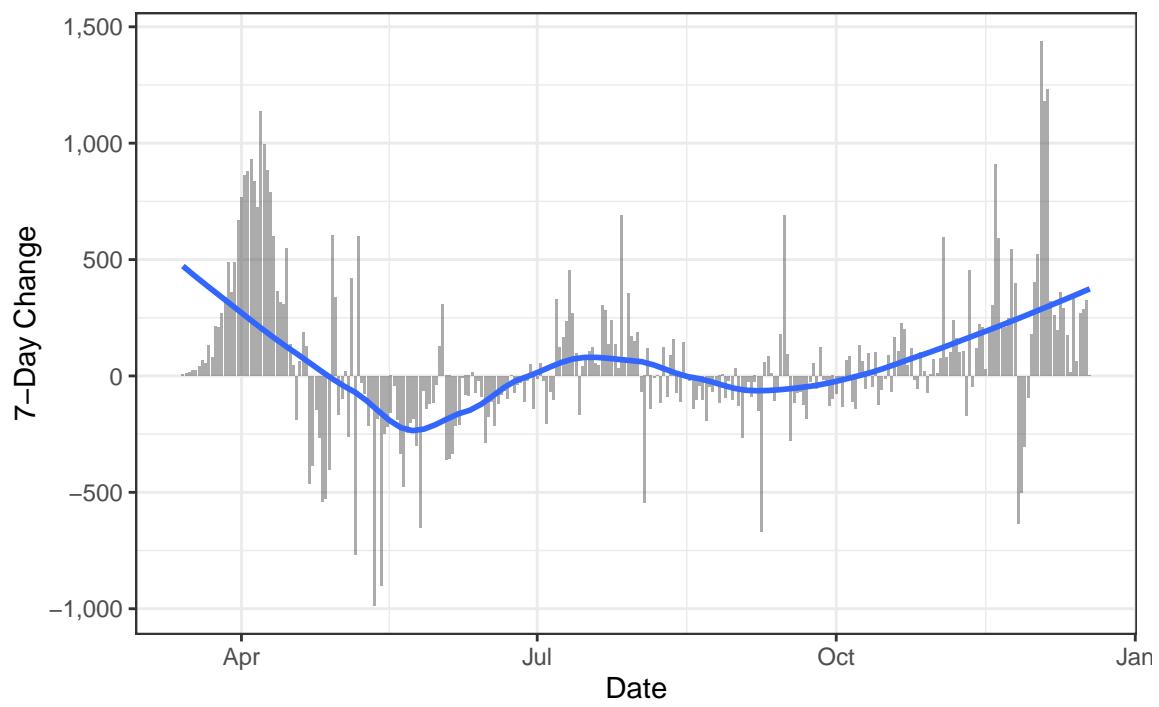
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

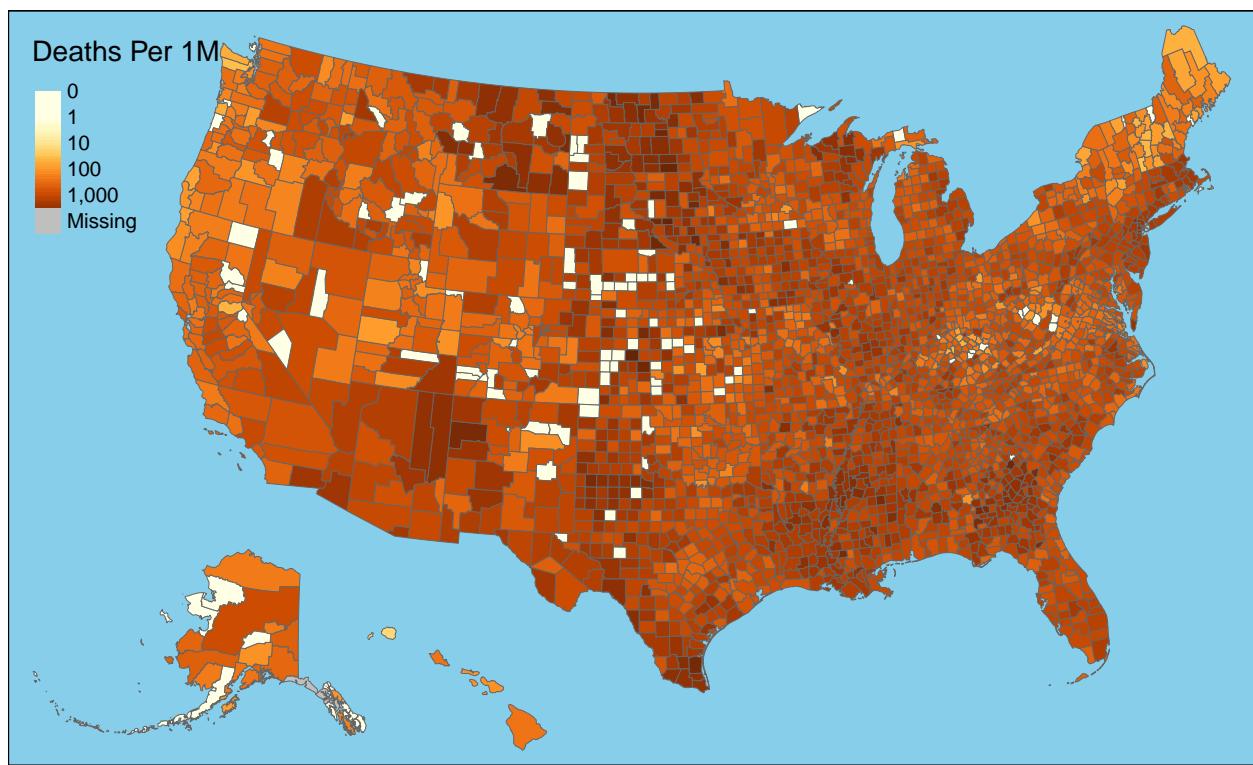


Daily Case Mortality Rate



One-Week Change in Daily Deaths

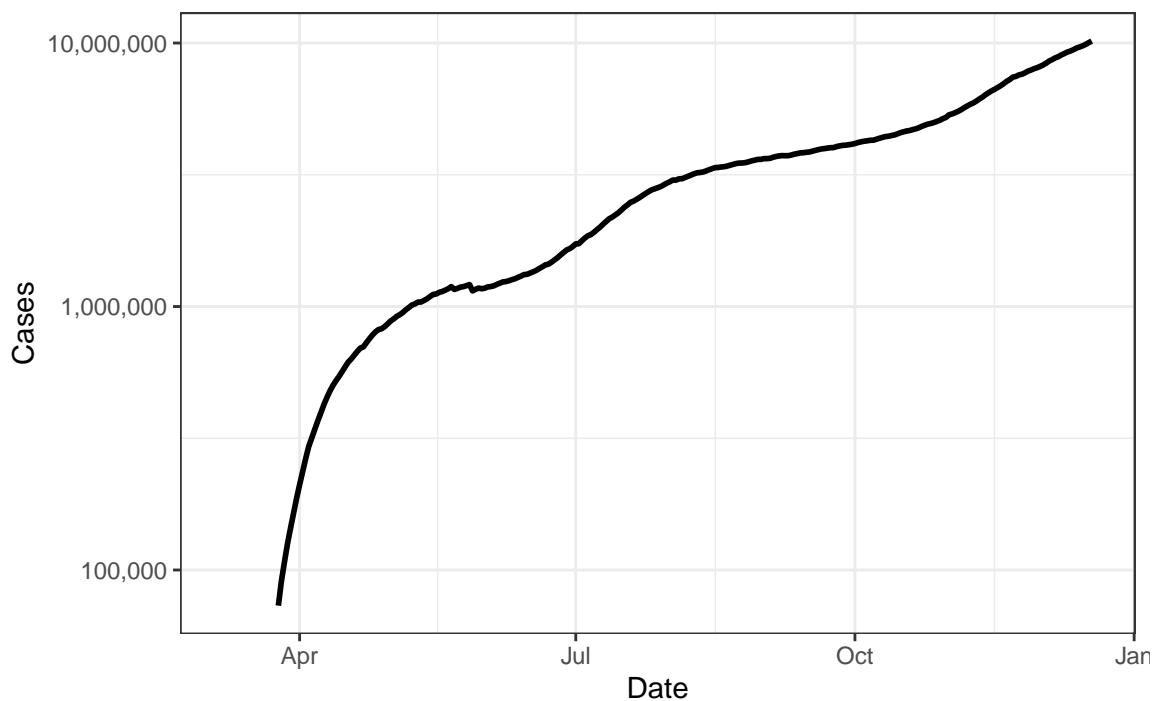




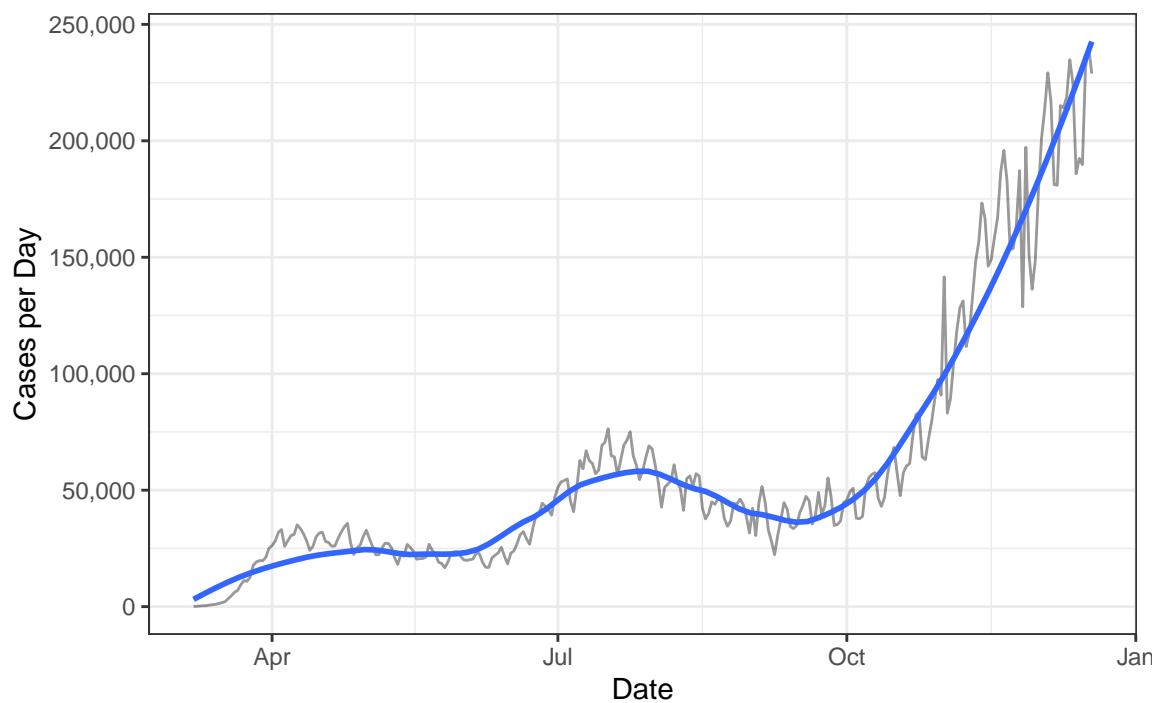
Cases

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

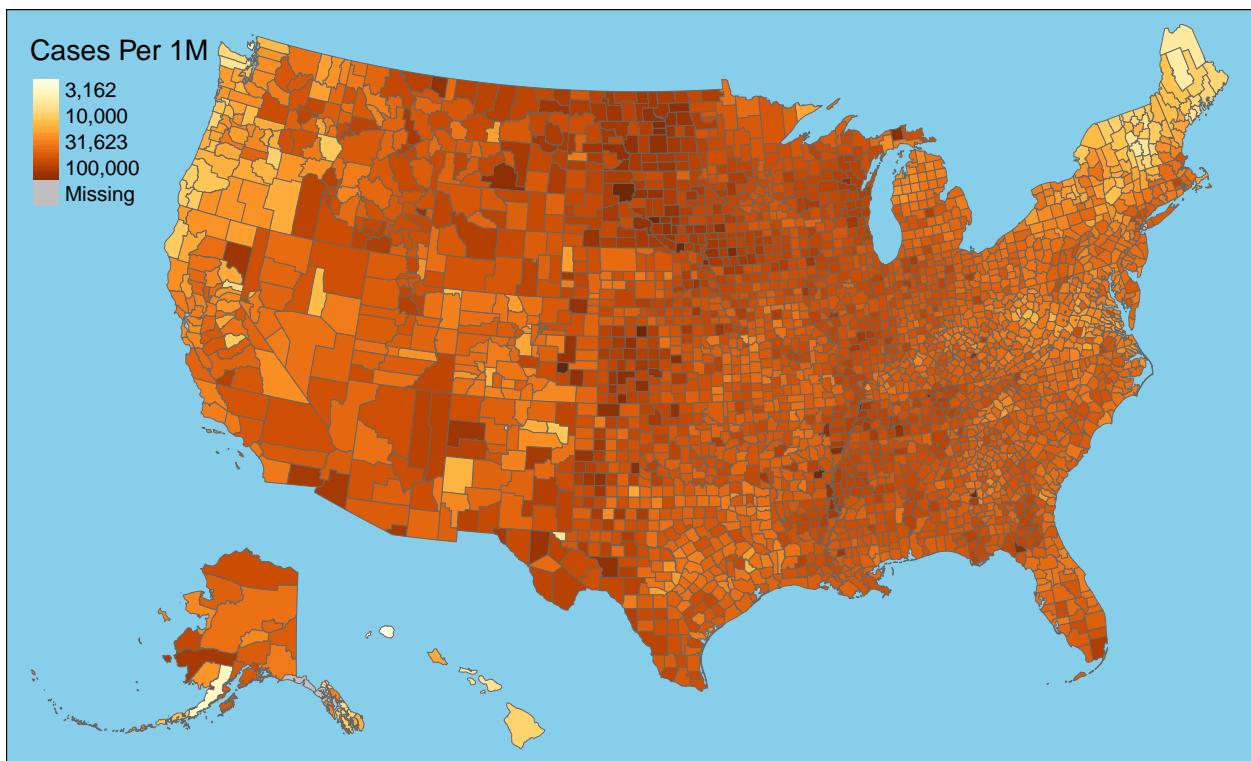
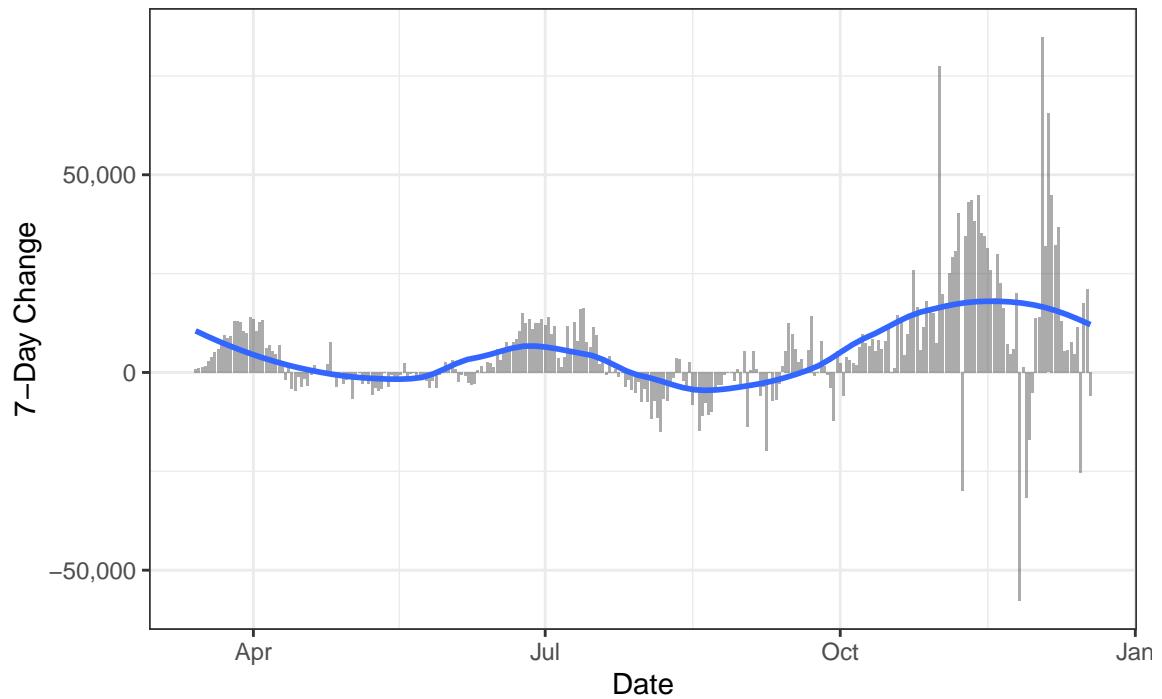
Active Cases



New Cases

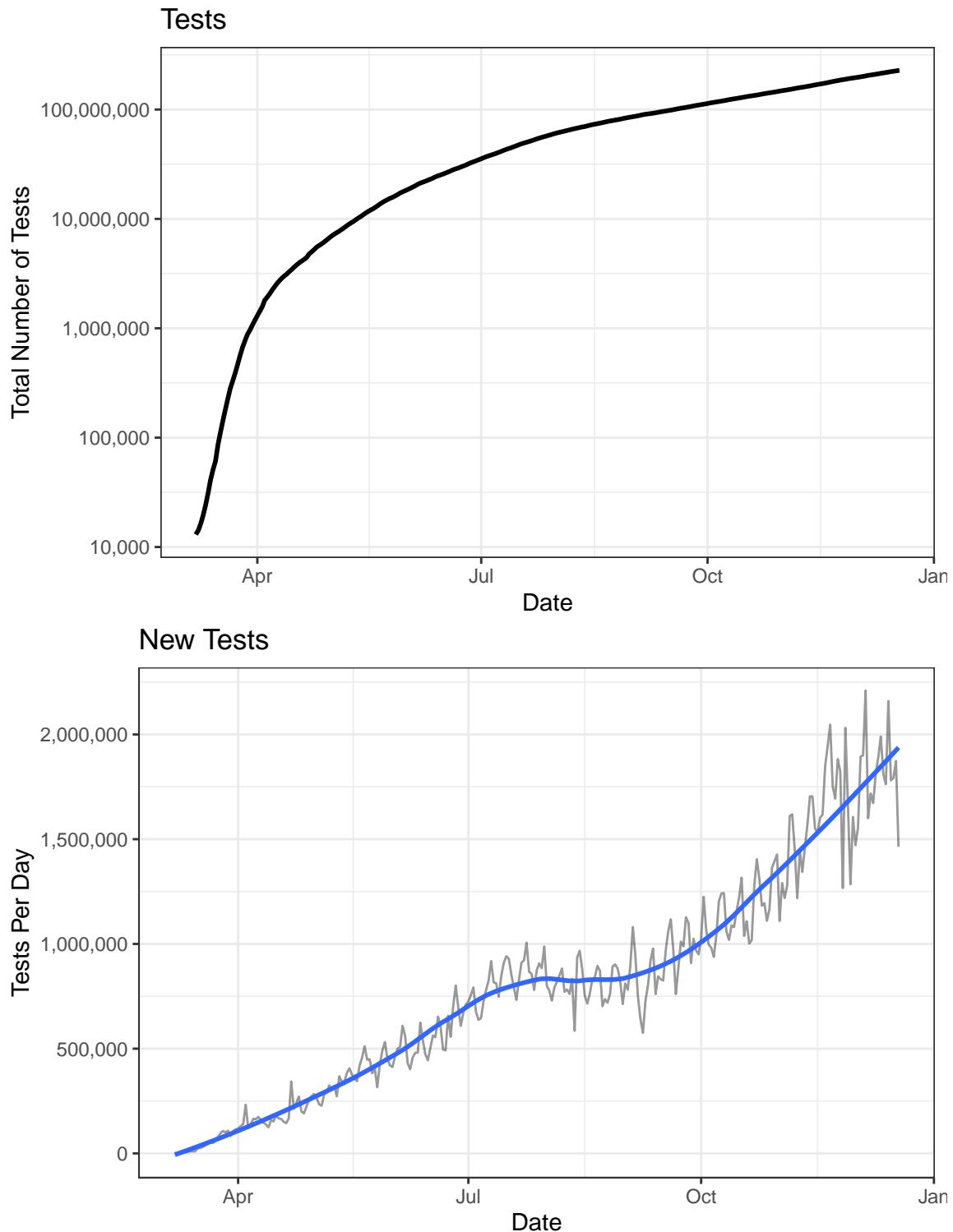


One-Week Change in Daily Cases

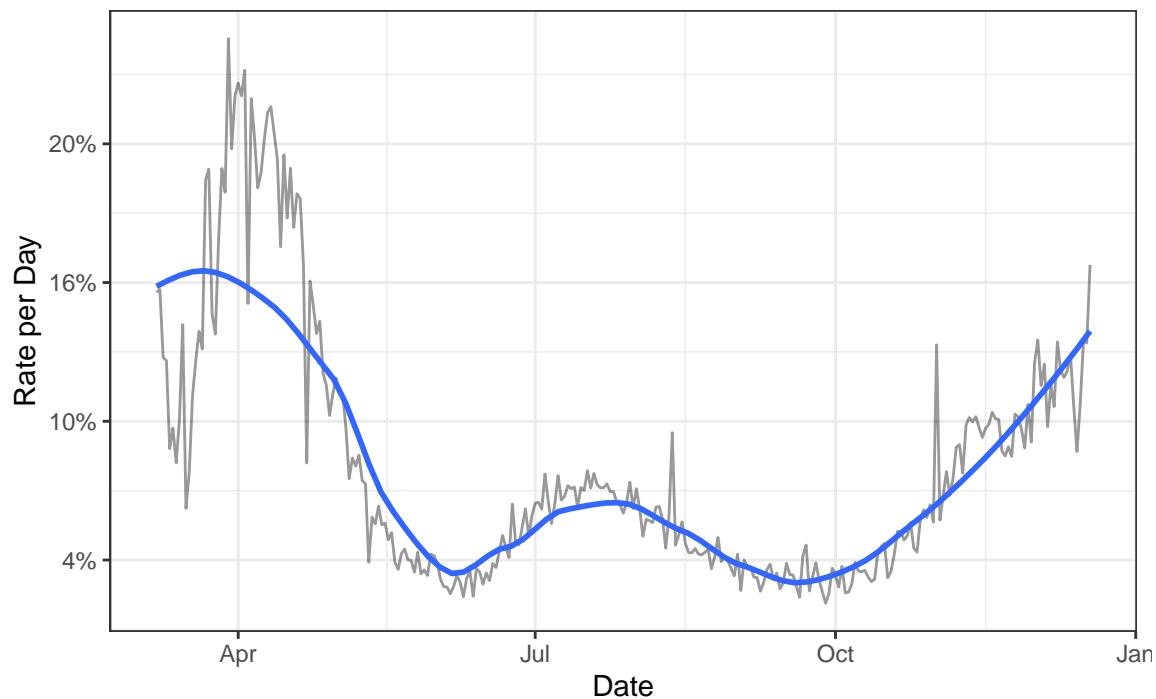


Testing

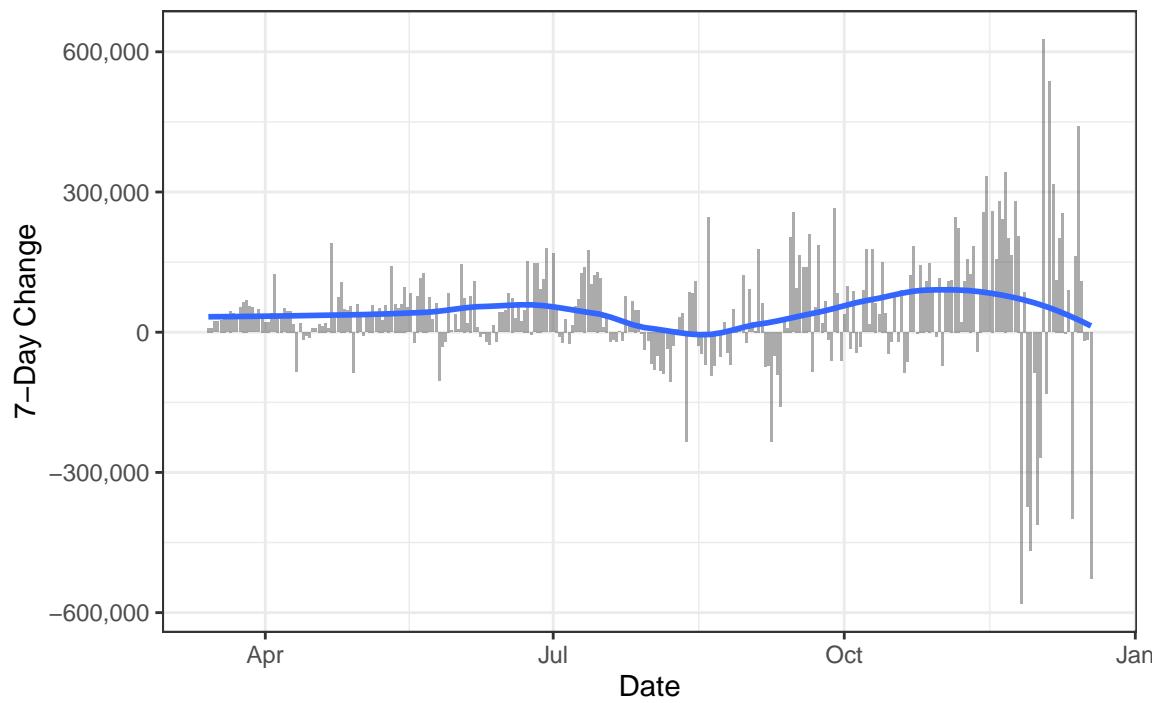
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



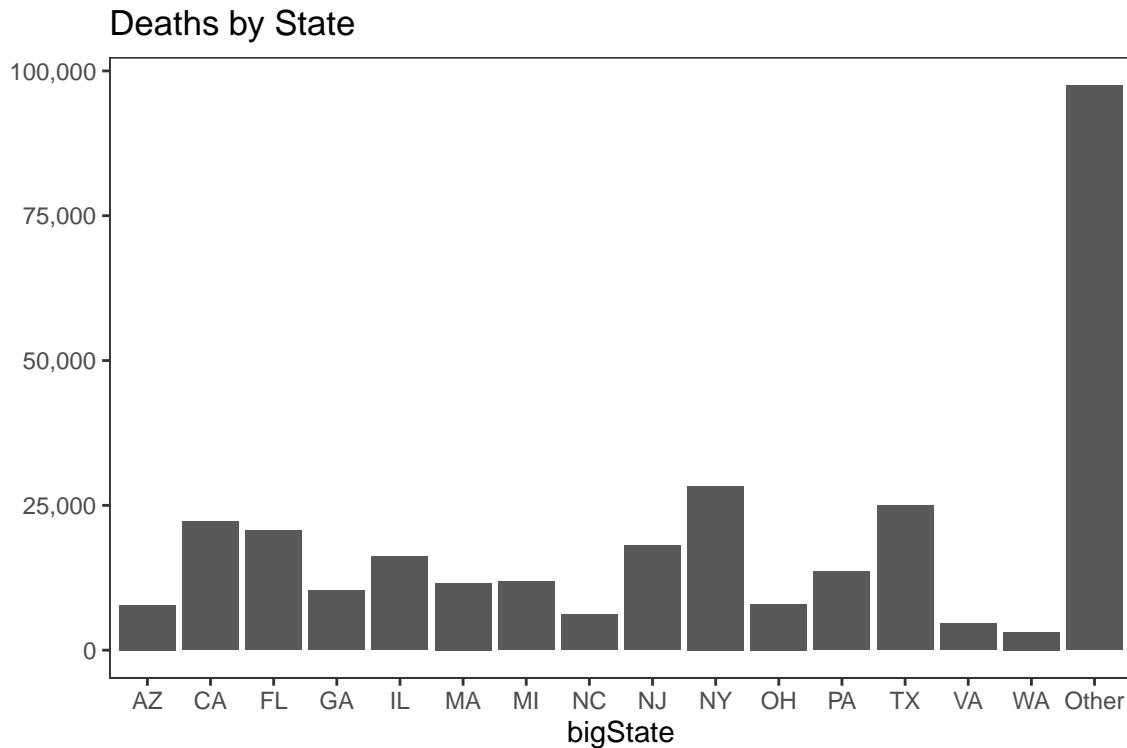
One-Week Change in Daily Tests



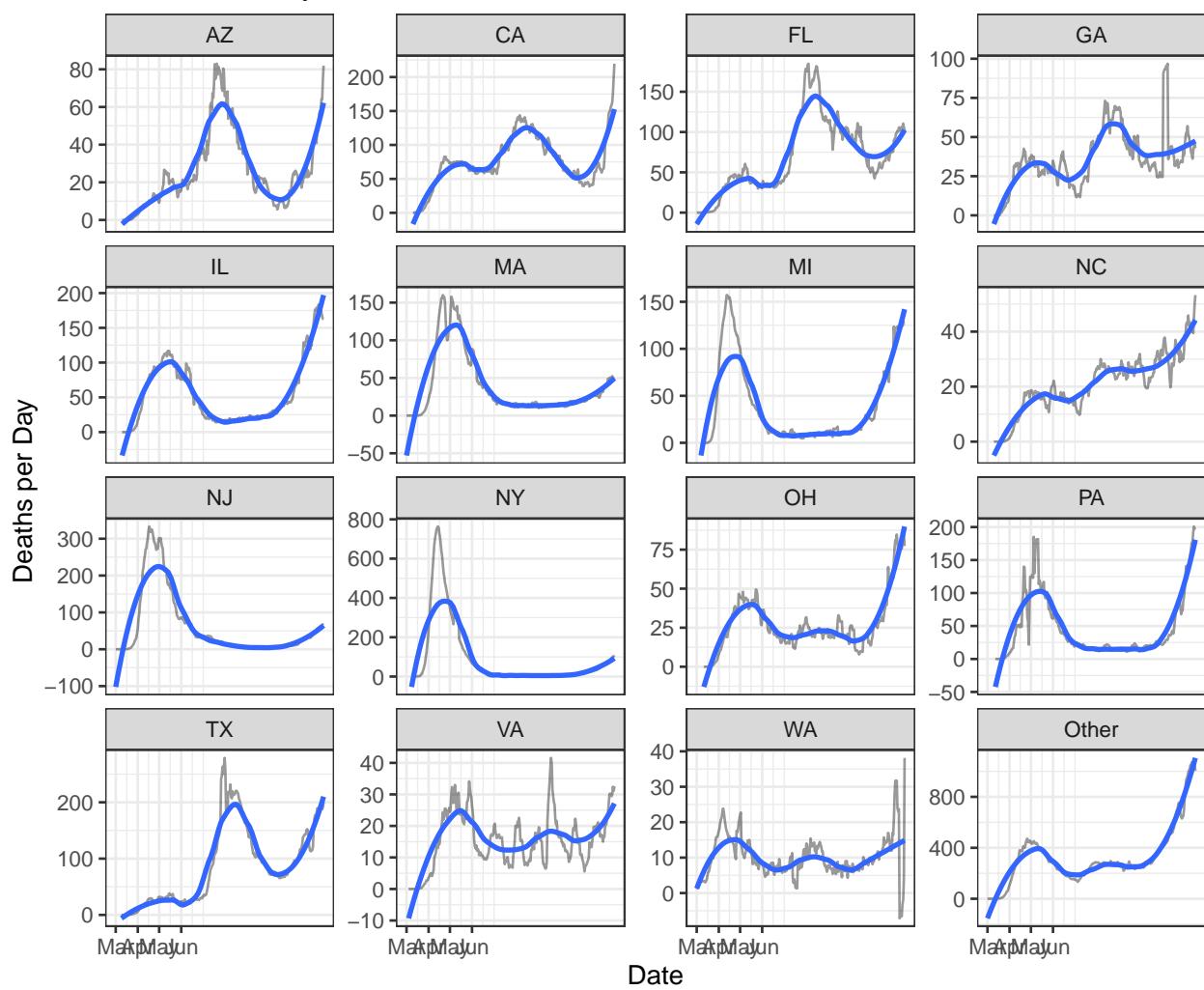
State Data

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.

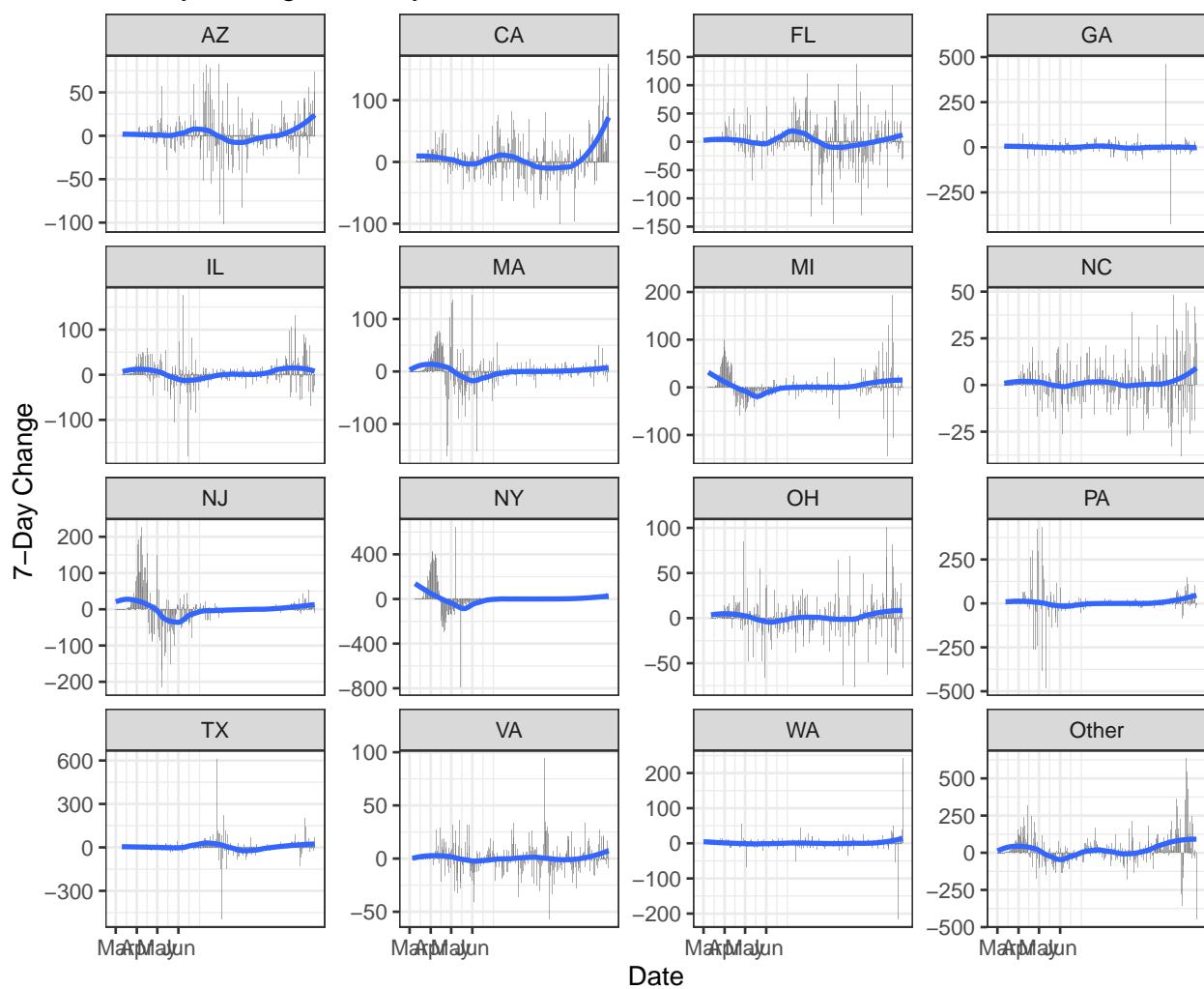
Deaths

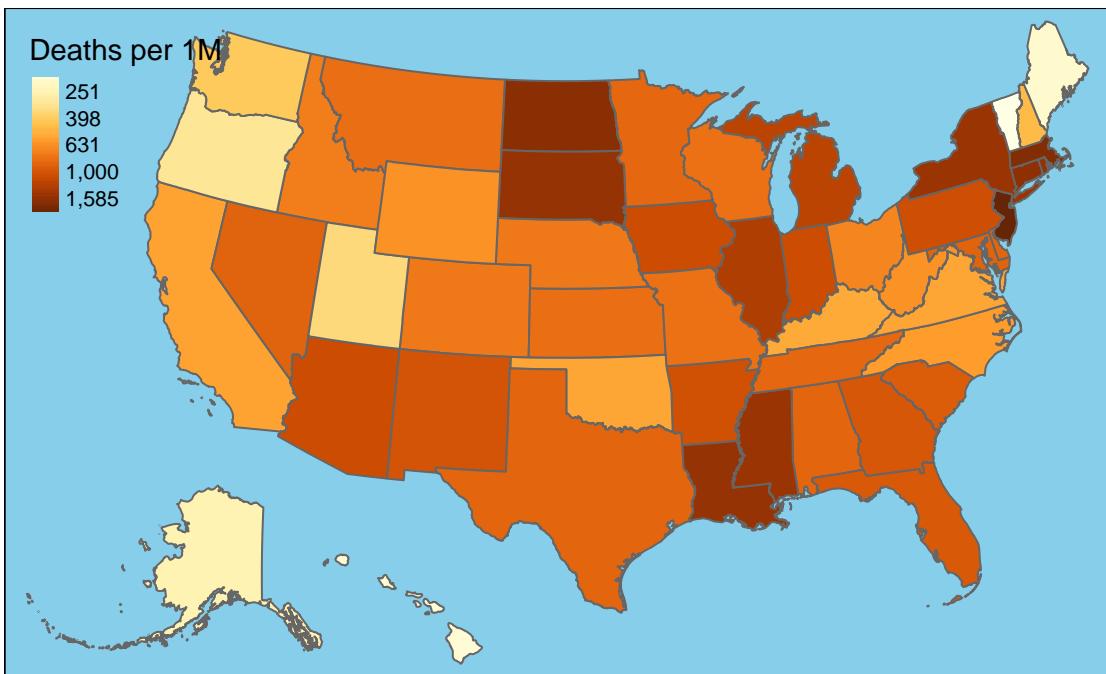
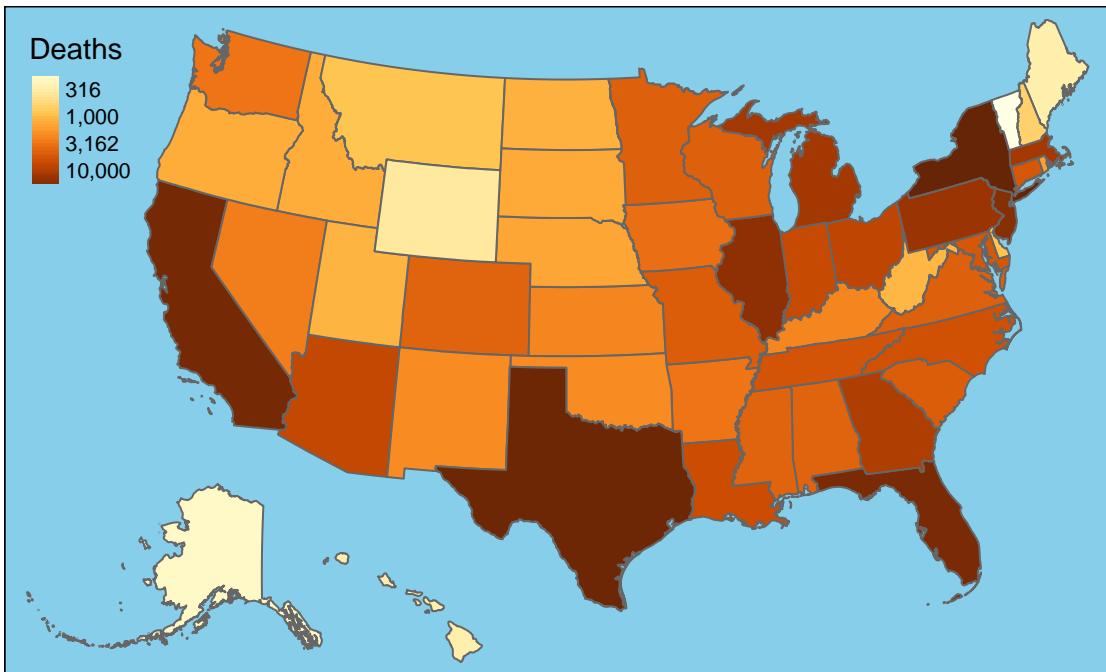


New Deaths by State



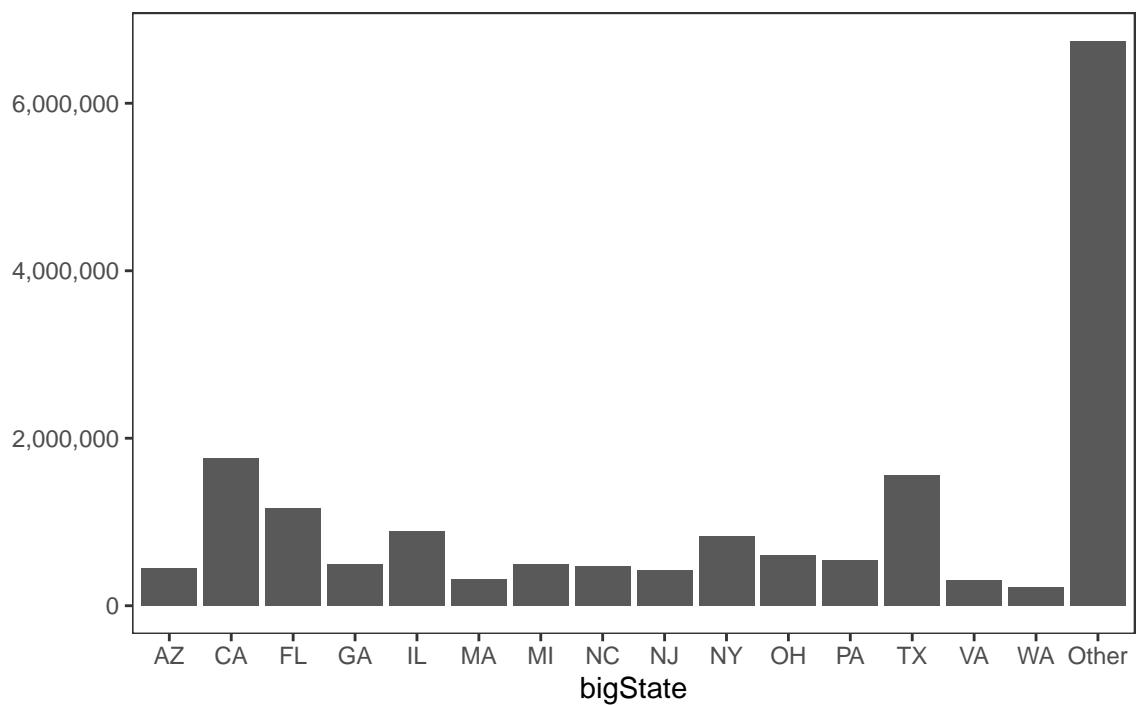
7-Day Change in Daily Deaths



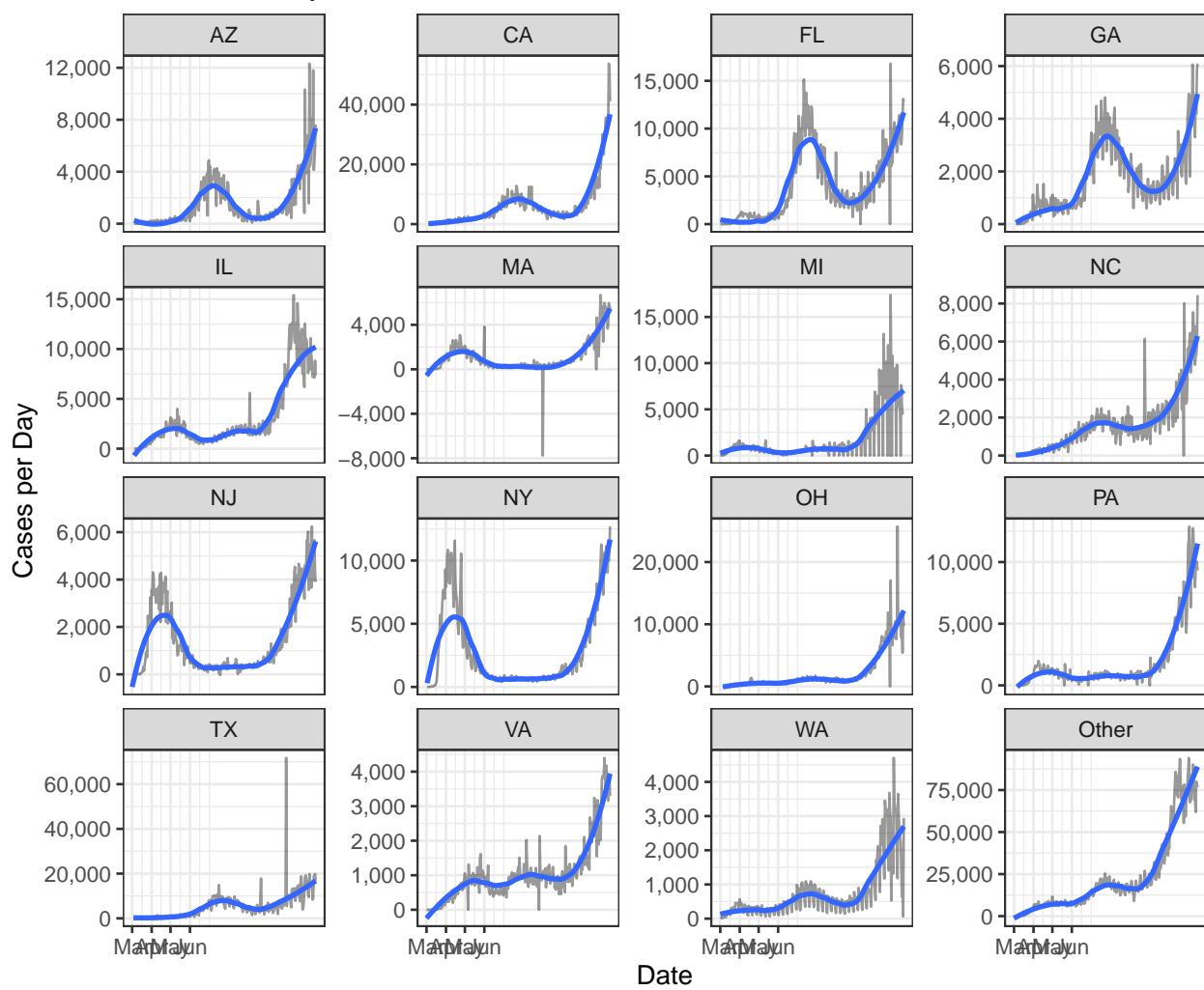


Cases

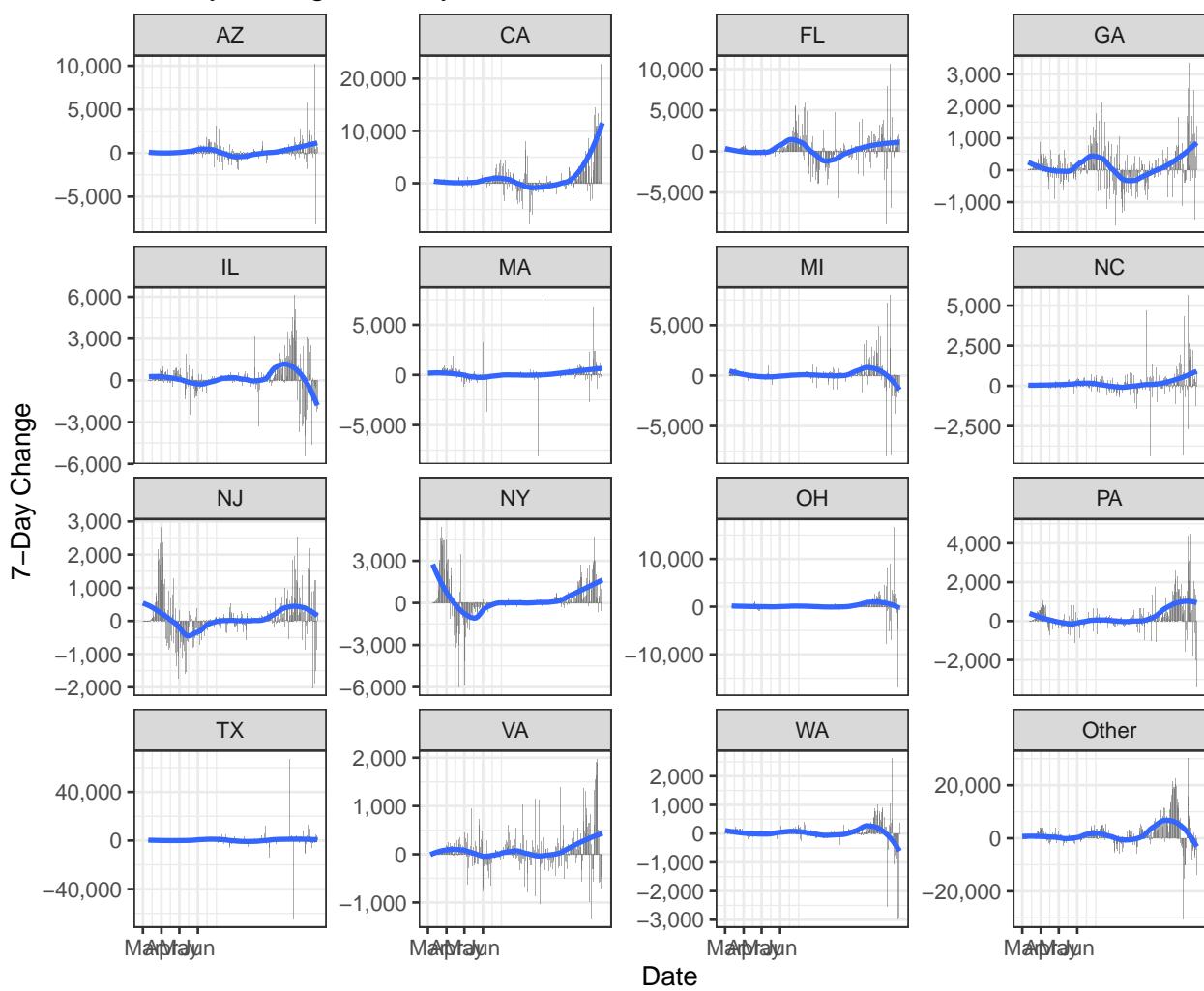
Cases by State

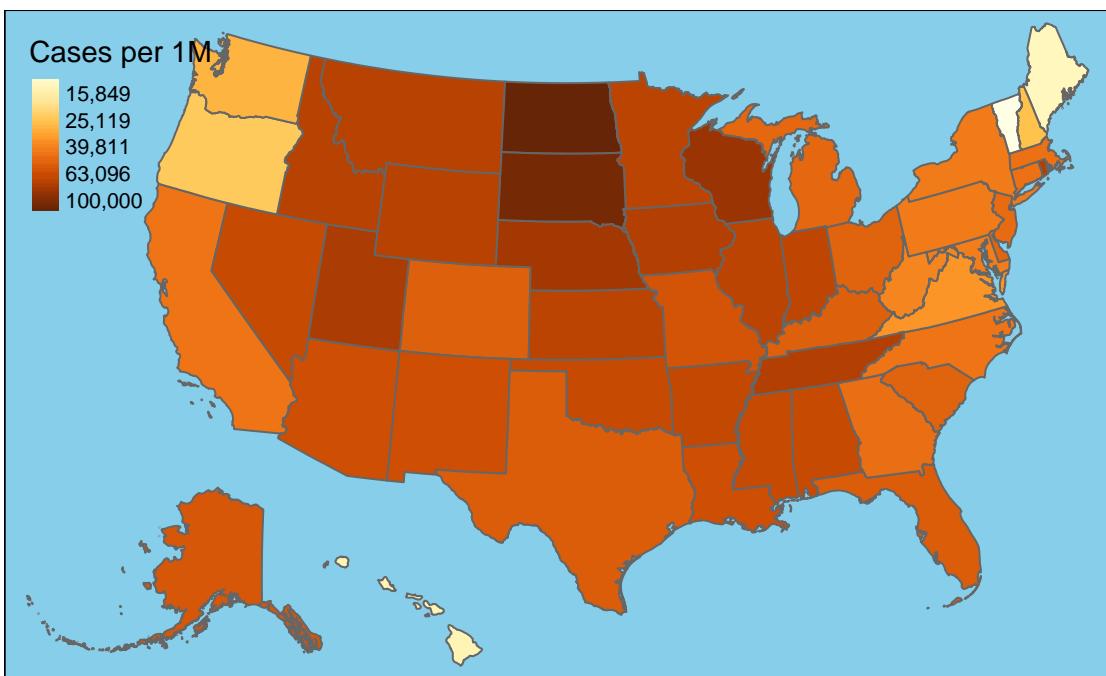
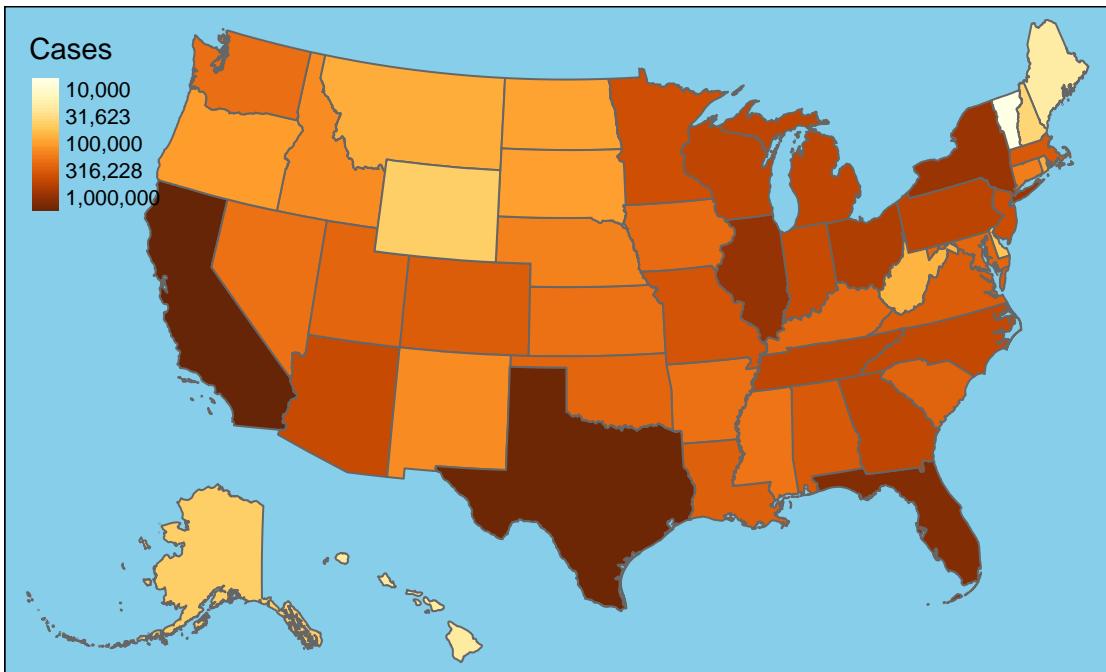


New Cases by State

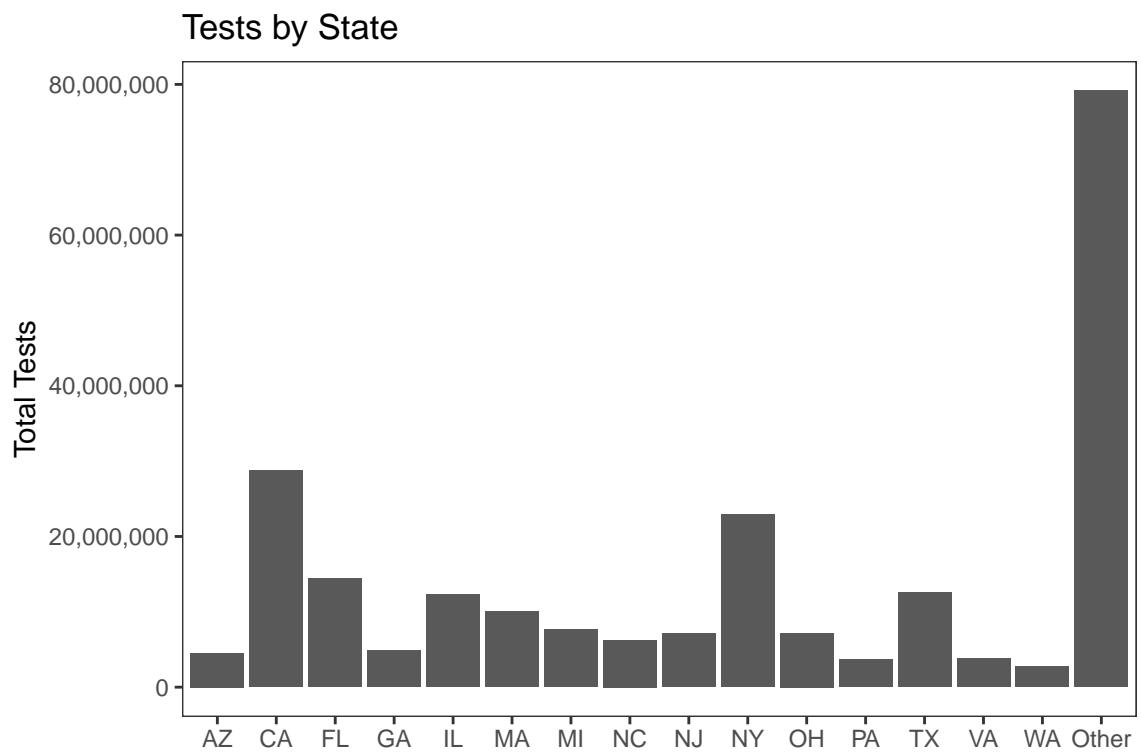


7-Day Change in Daily Cases

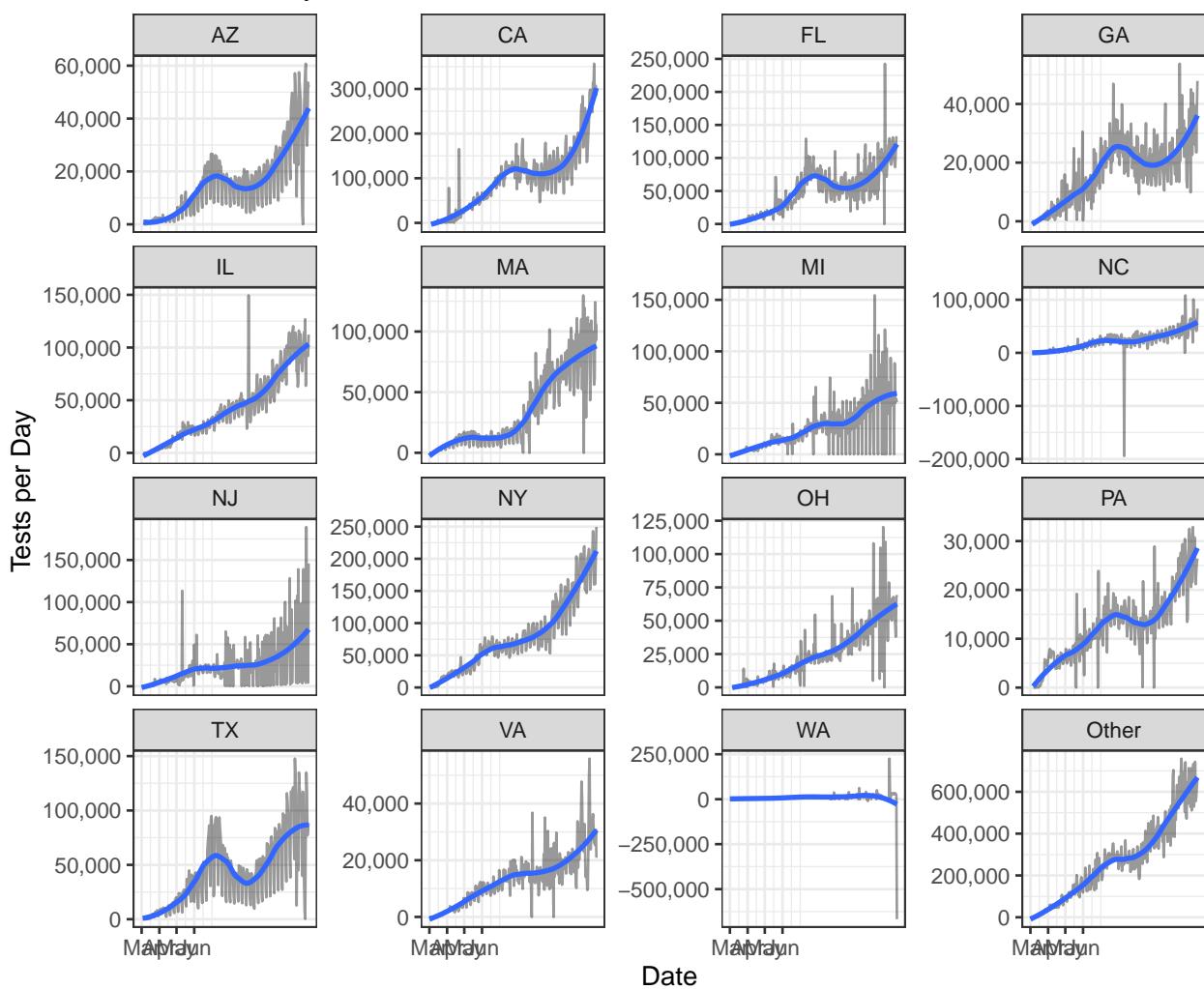


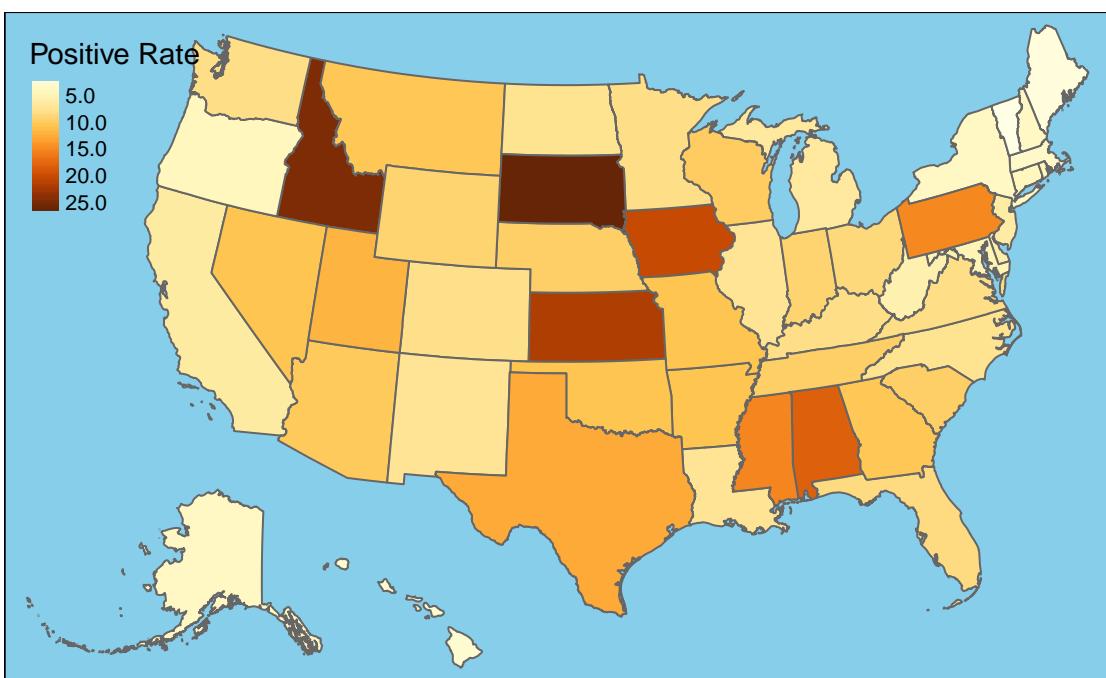
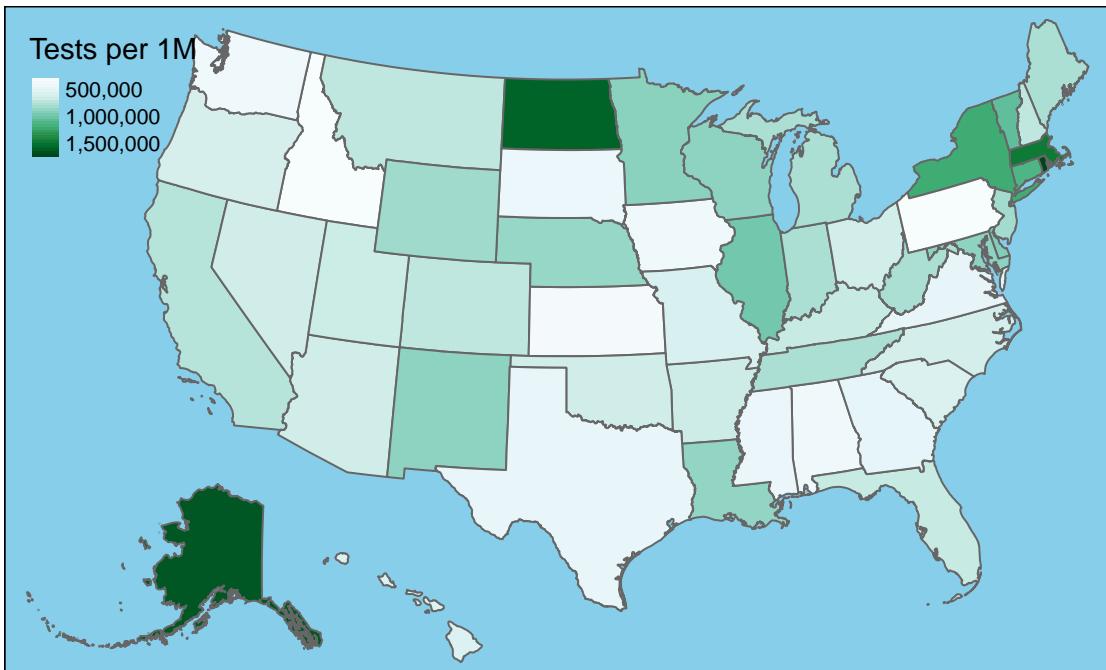


Testing



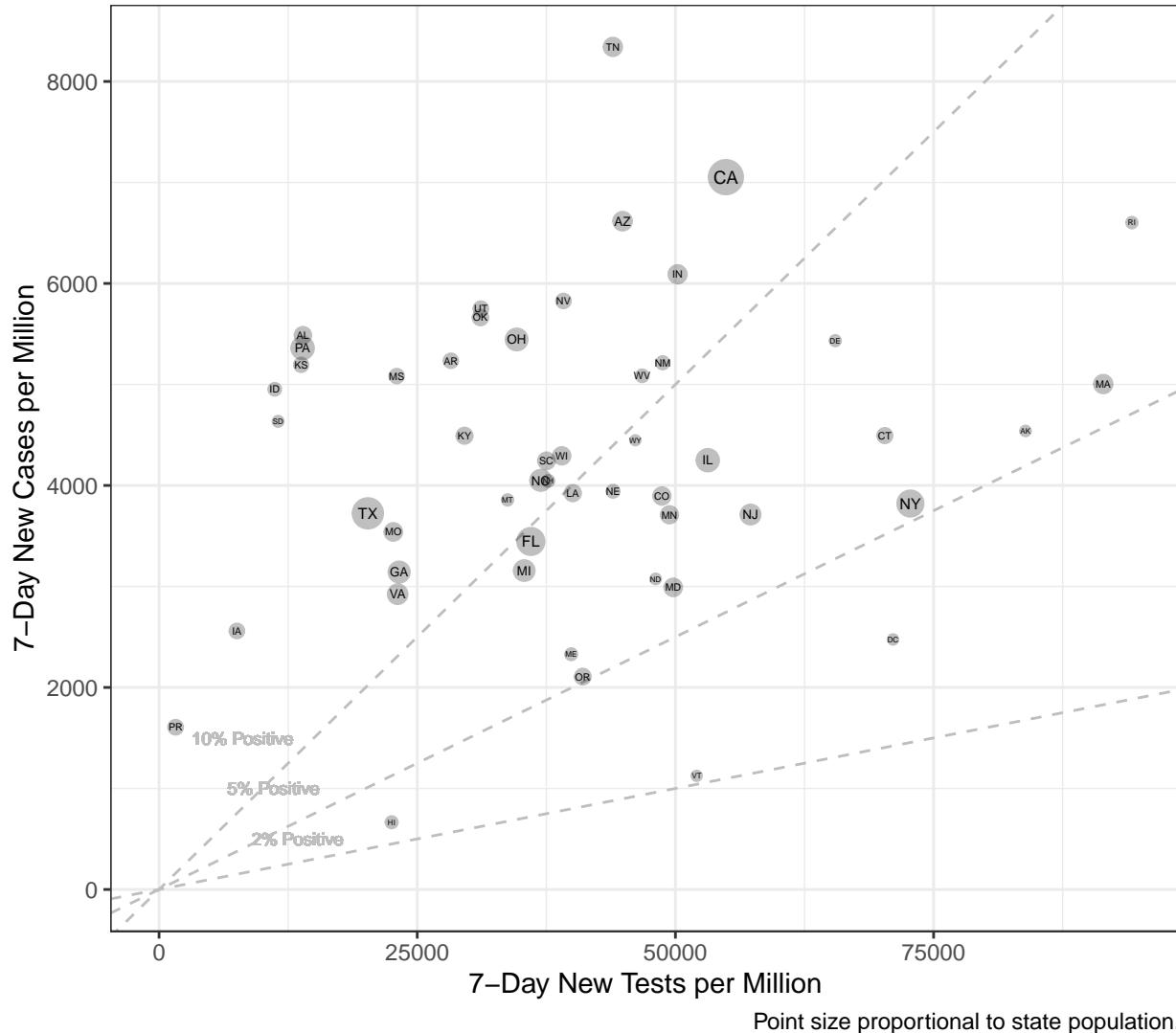
New Tests by State





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



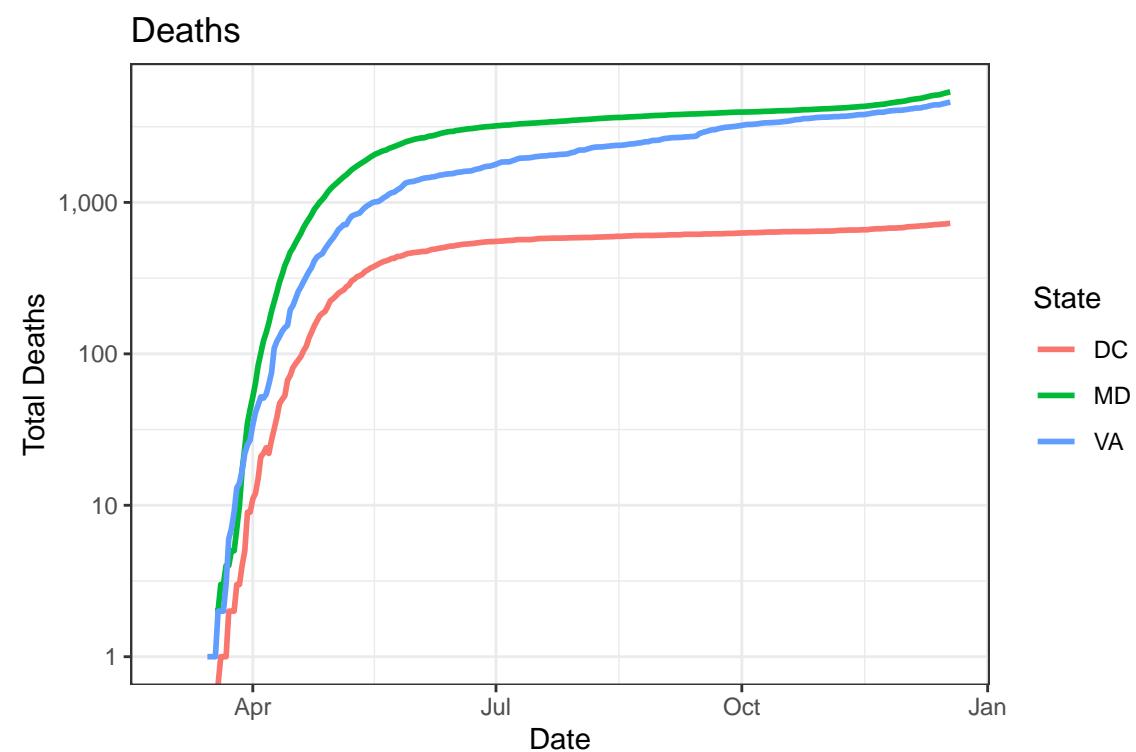
Local Data

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

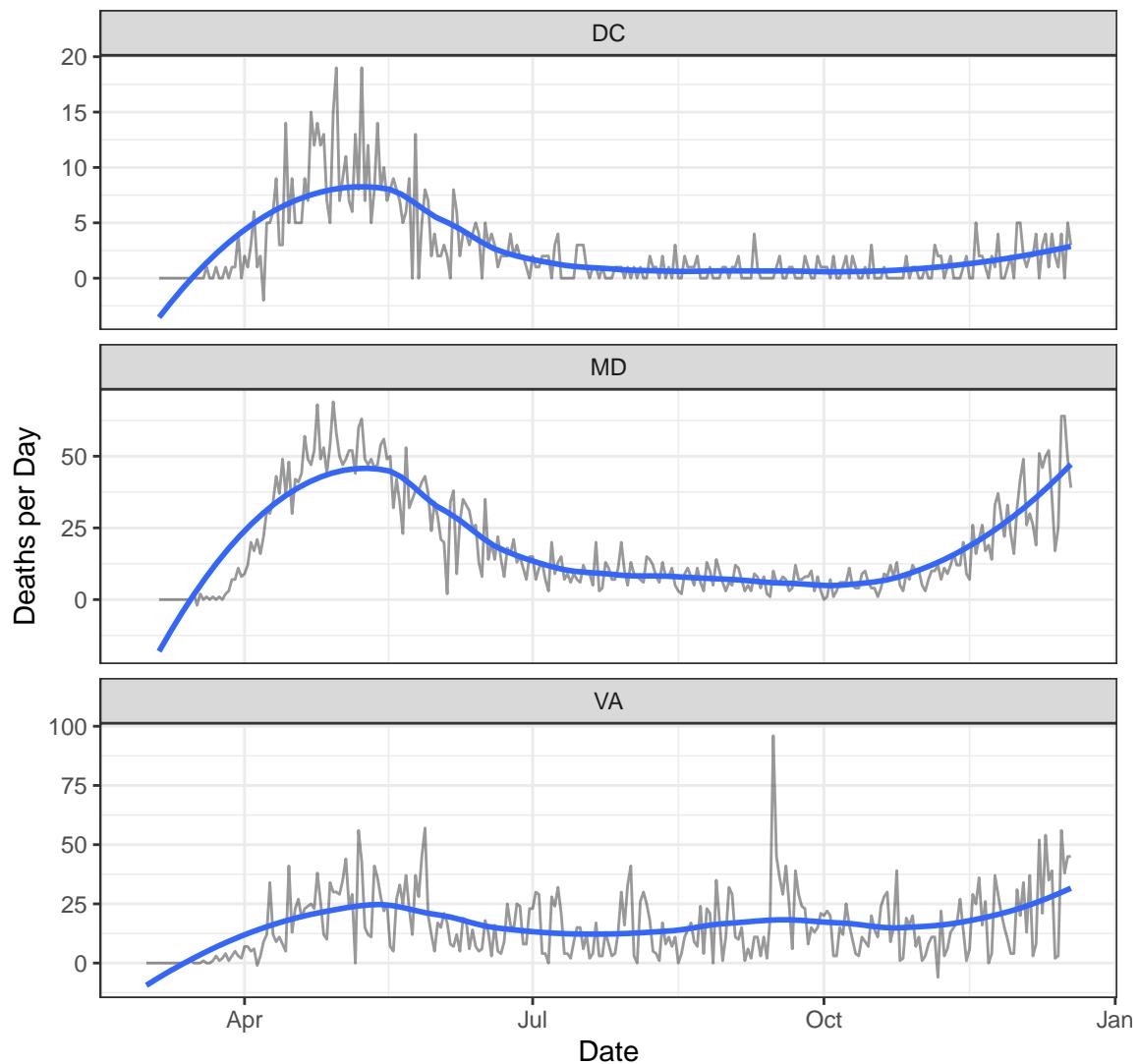
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	26,104	728	274	3
MD	246,553	5,358	2,569	39
VA	299,388	4,598	3,295	45

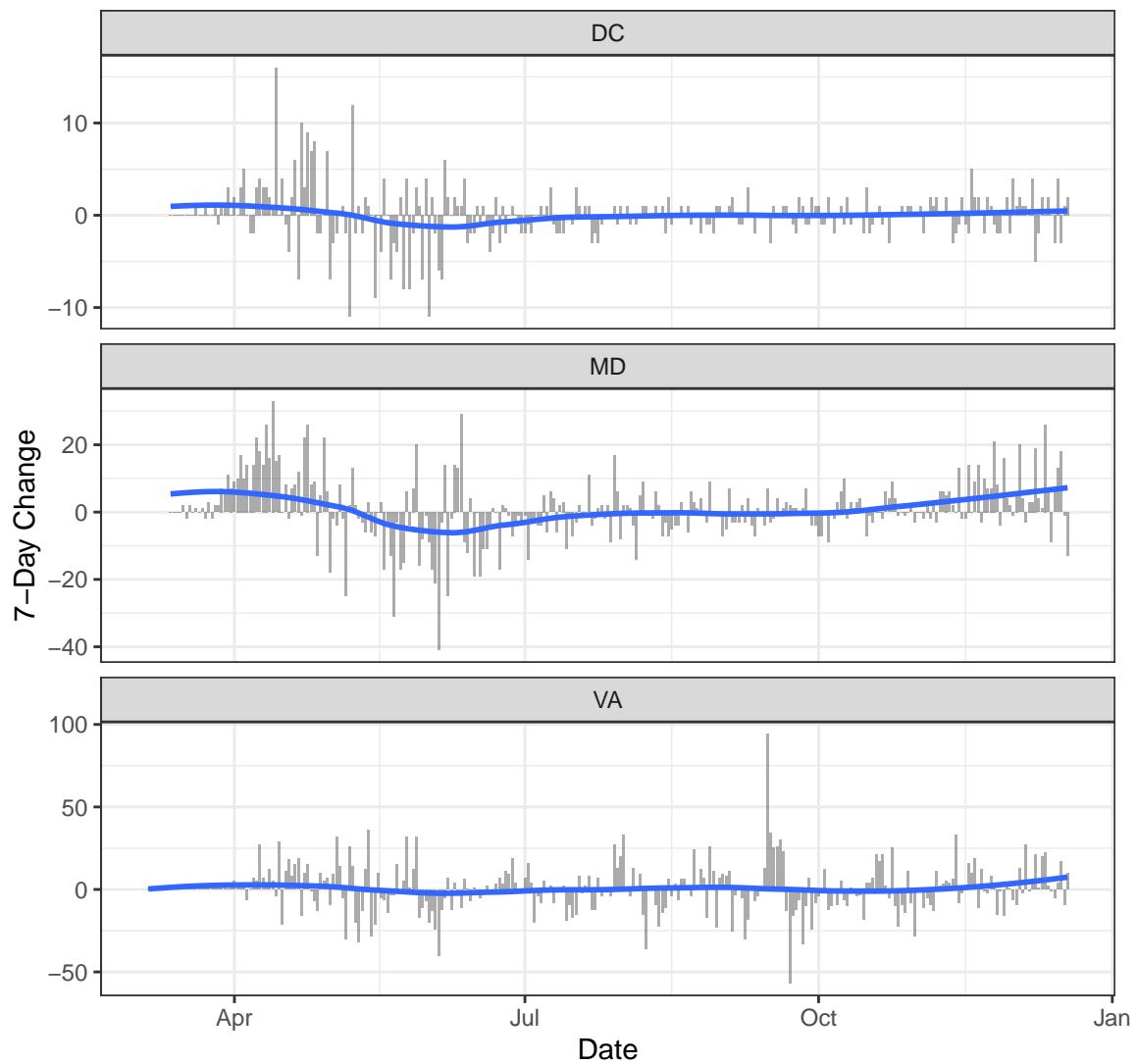
Deaths

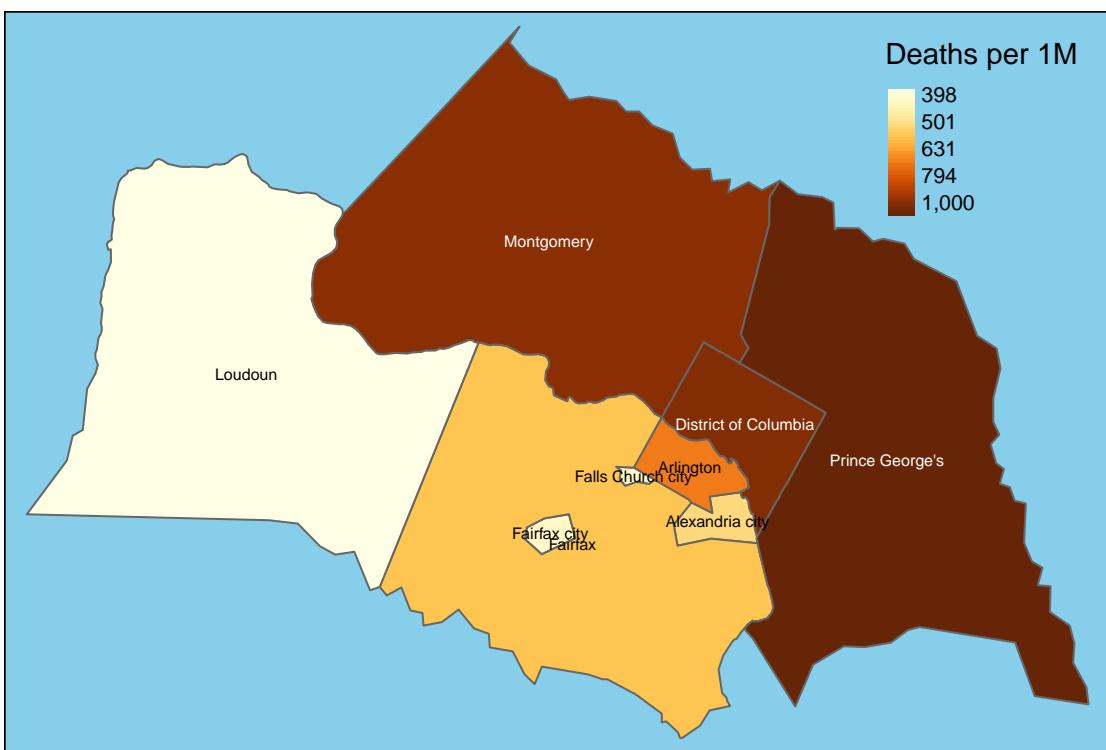
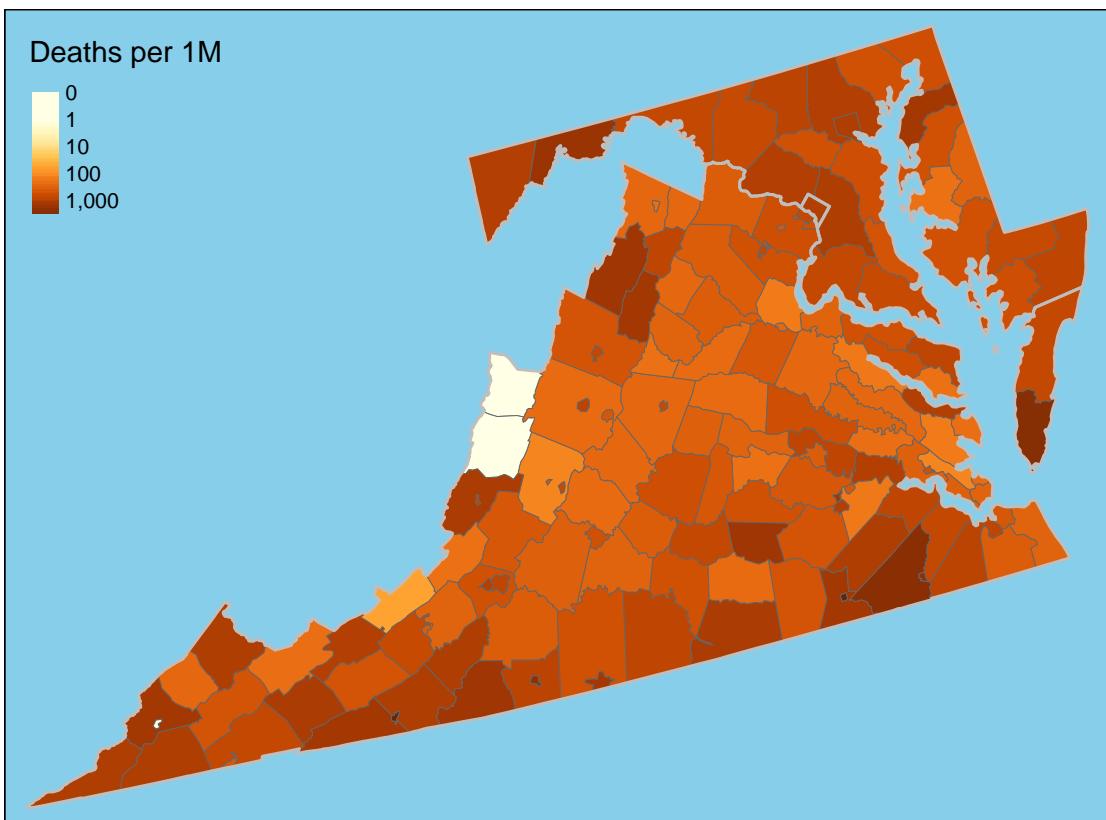


New Deaths

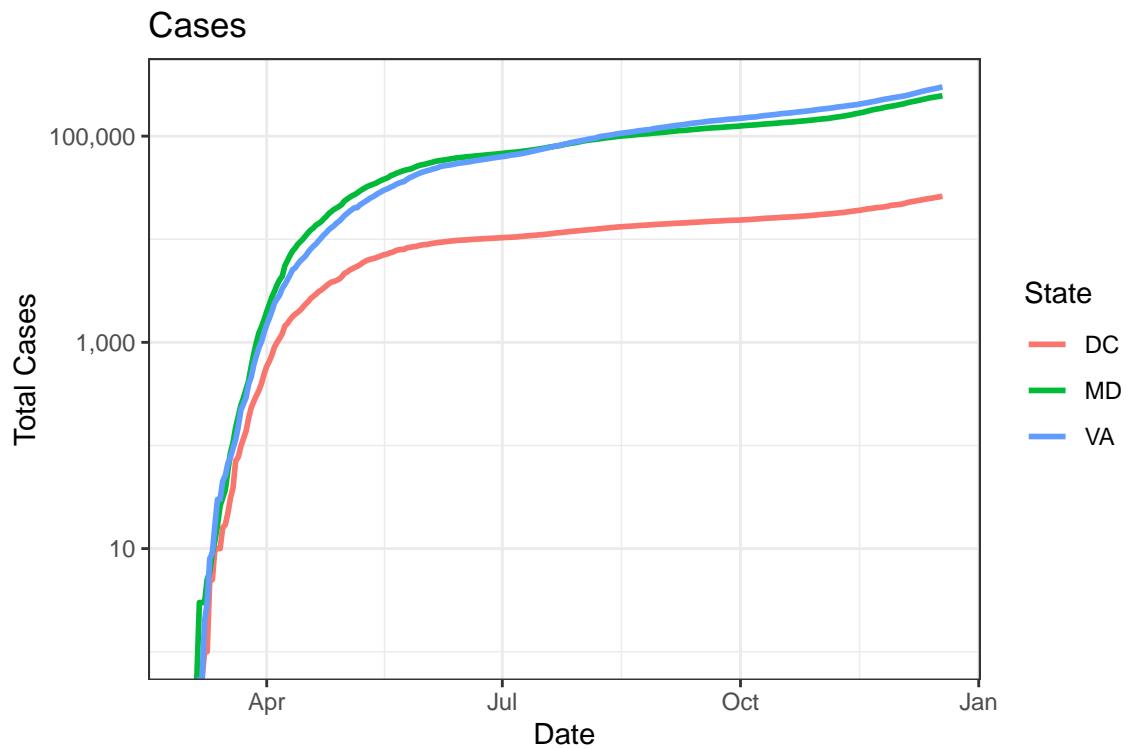


One-Week Change in Daily Deaths

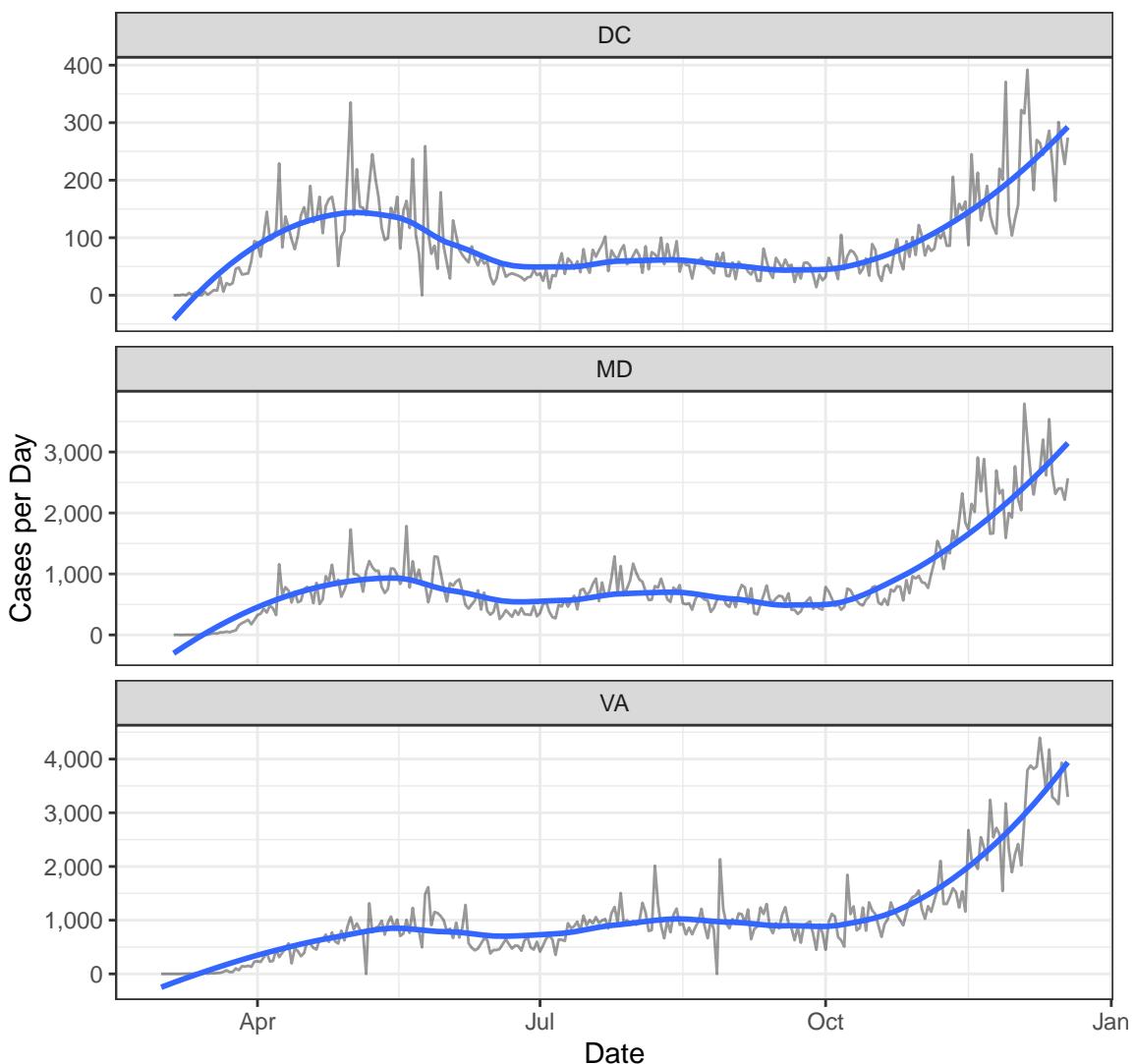




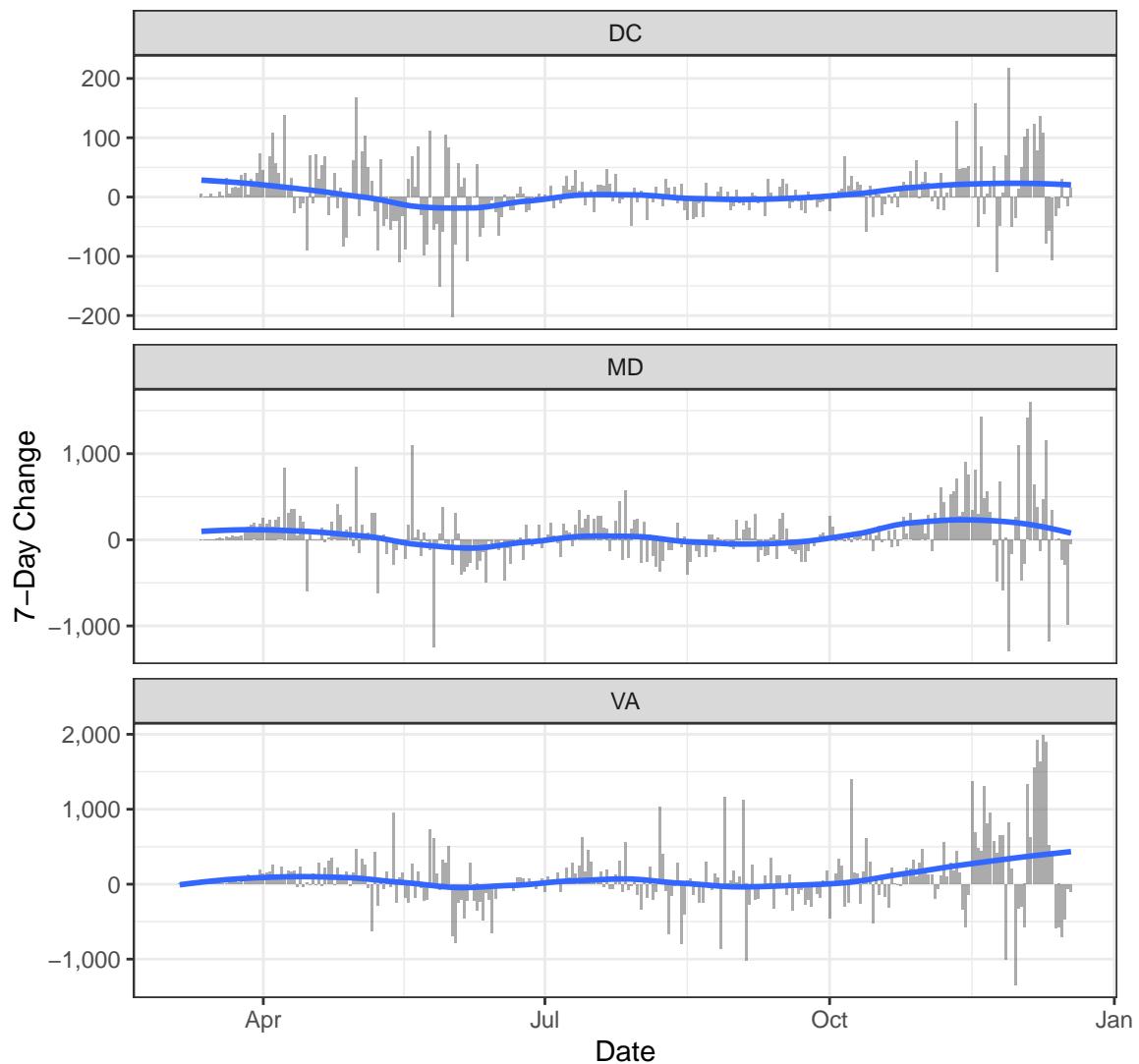
Cases

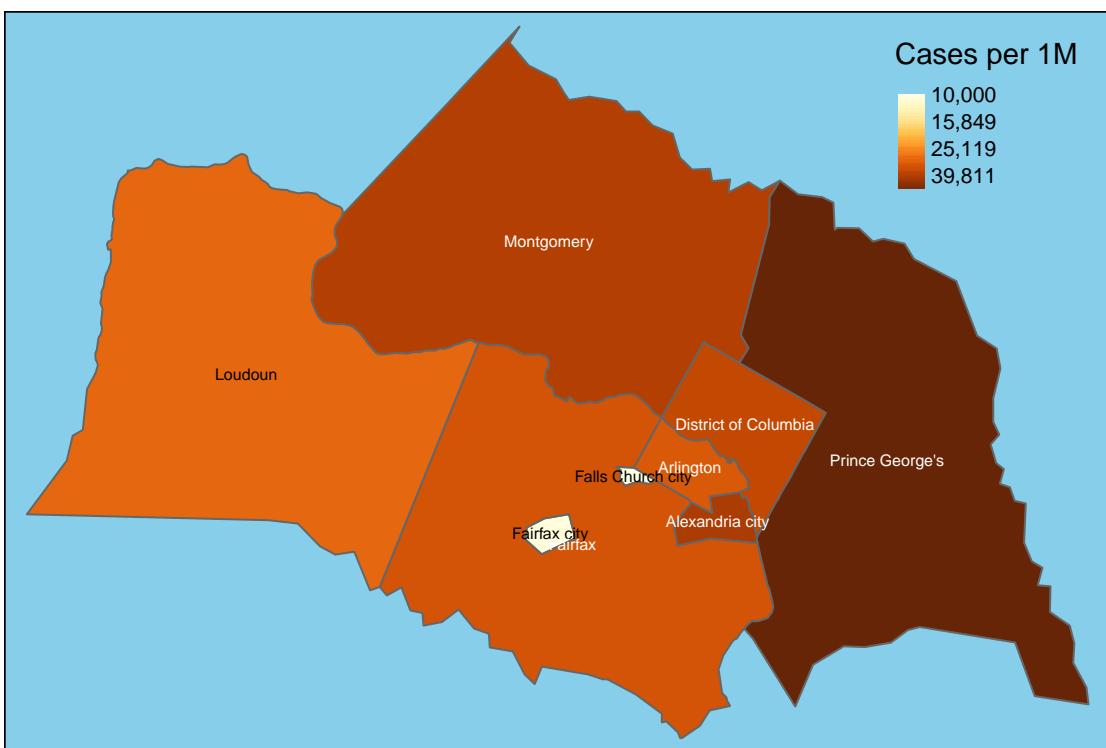
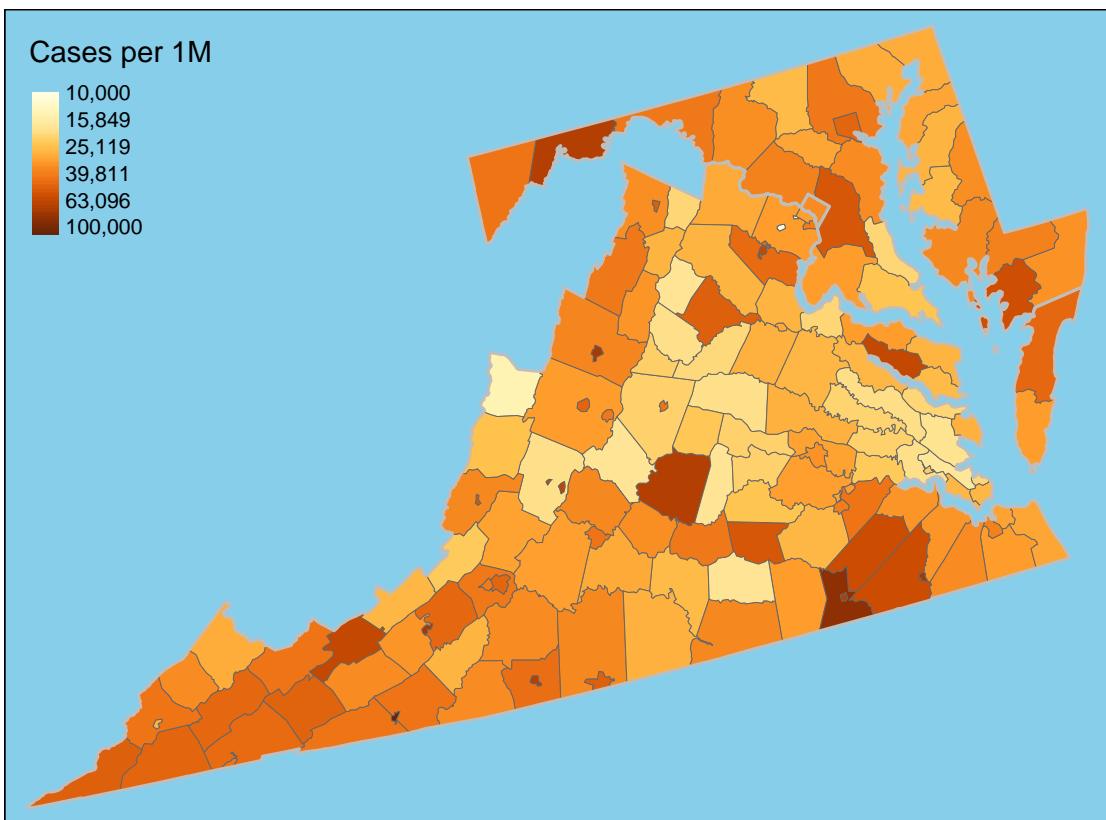


New Cases

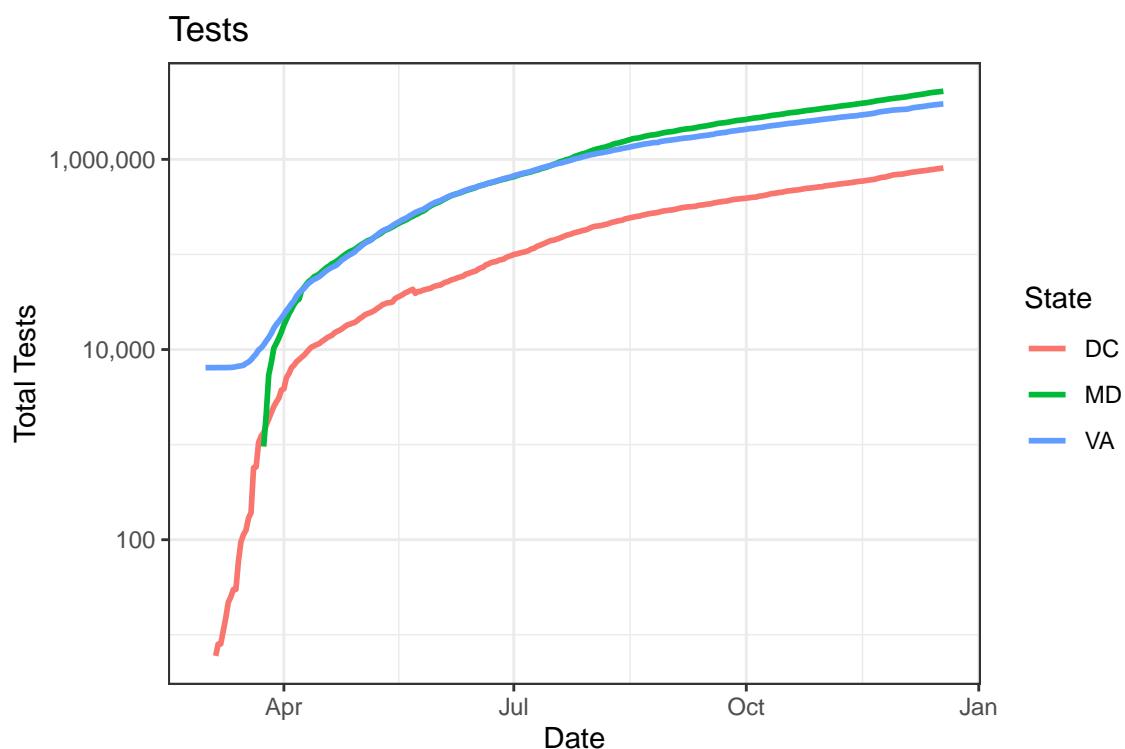


One-Week Change in Daily Cases

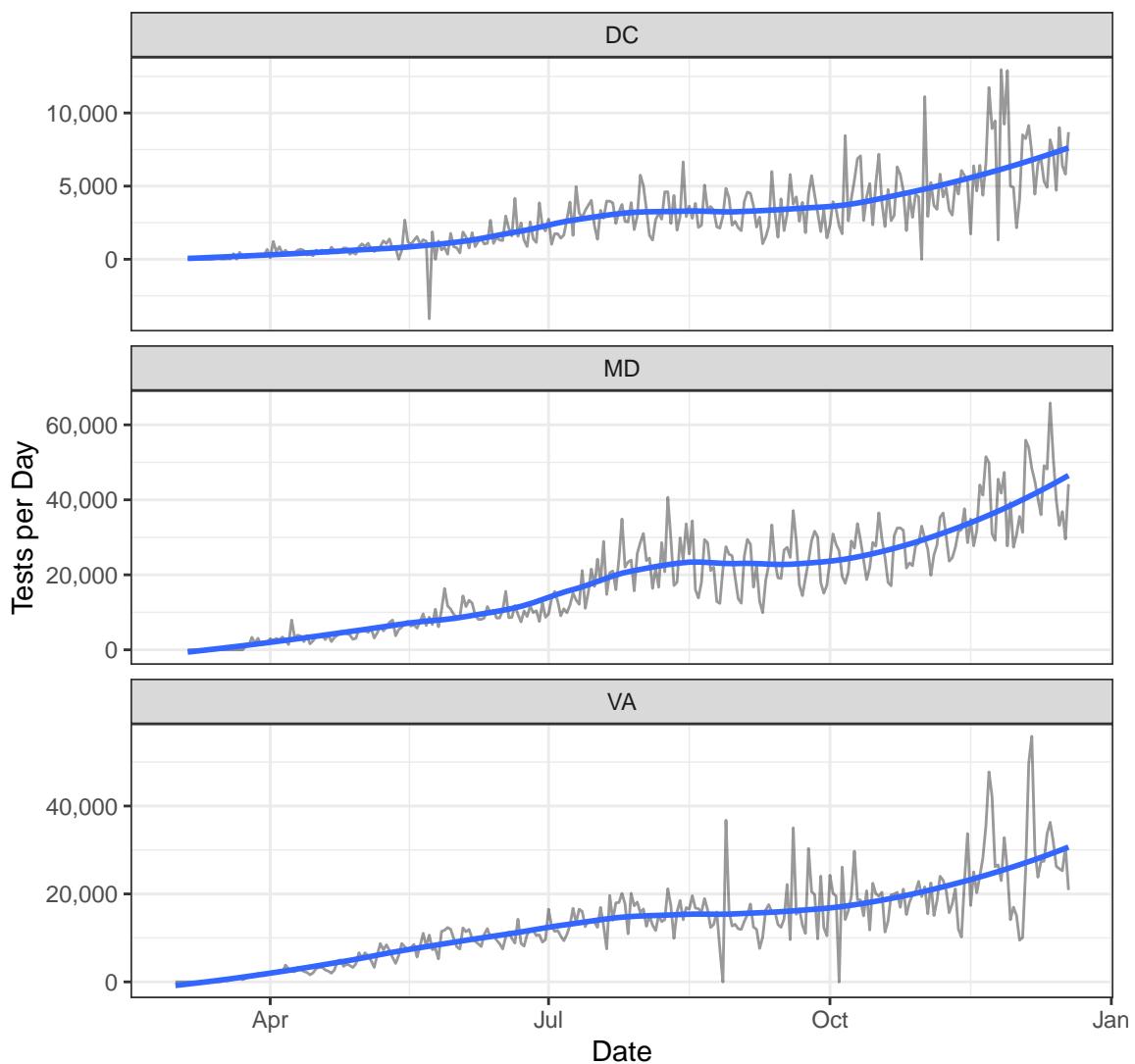




Testing



New Tests



Positive Test Rate

