

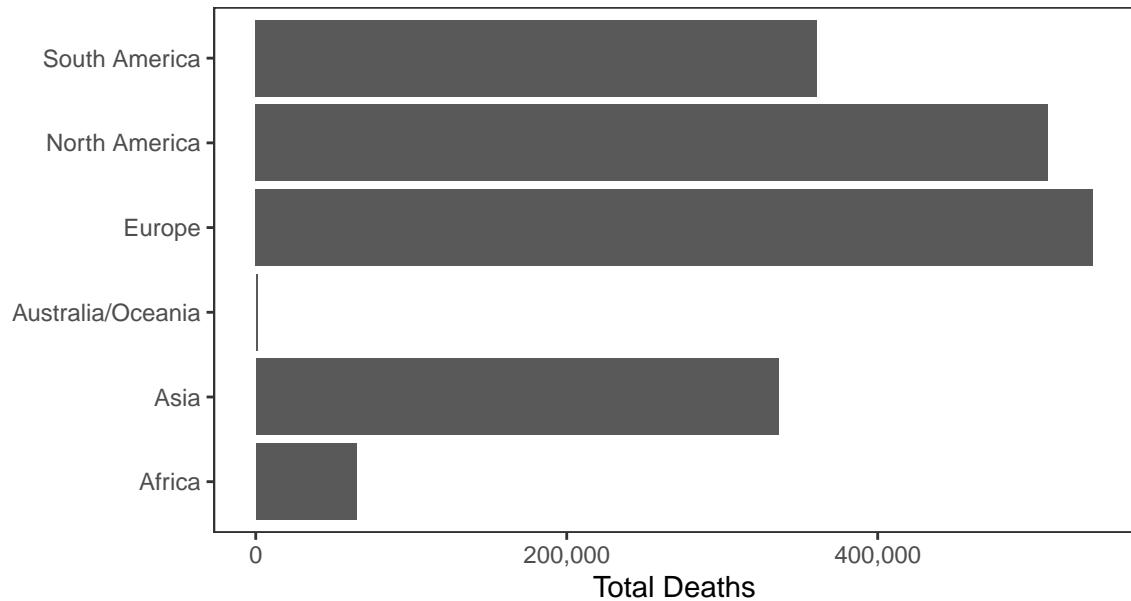
Erik's Covid-19 Chart Pack

Data updated 2020-12-31 11:28:56. 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 83,055,202 confirmed Covid-19 cases and 1,811,358 deaths worldwide.

Deaths



Cases

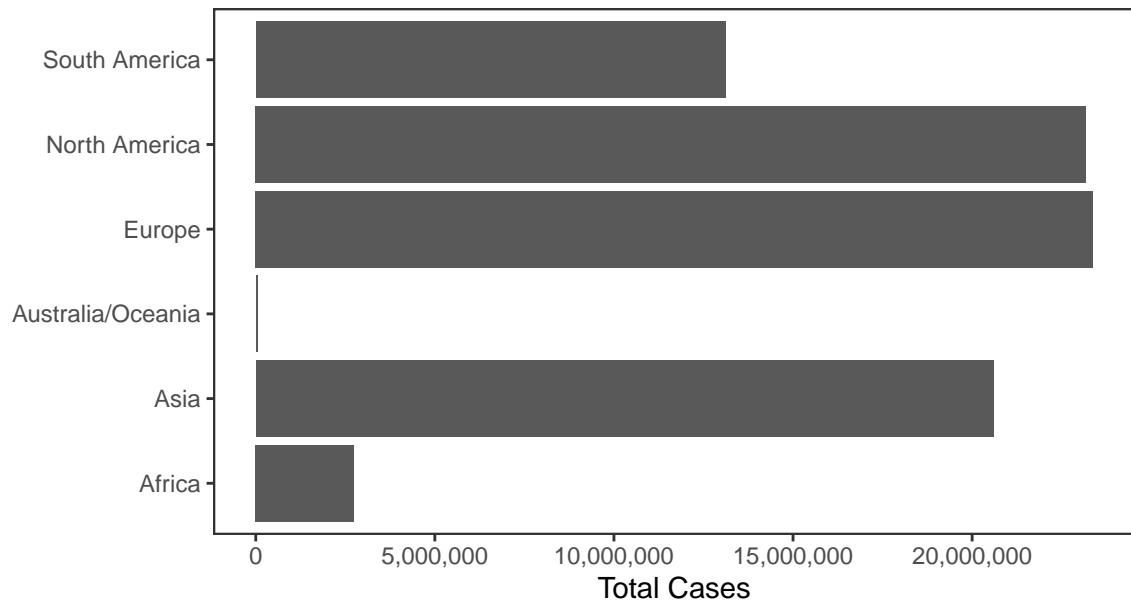
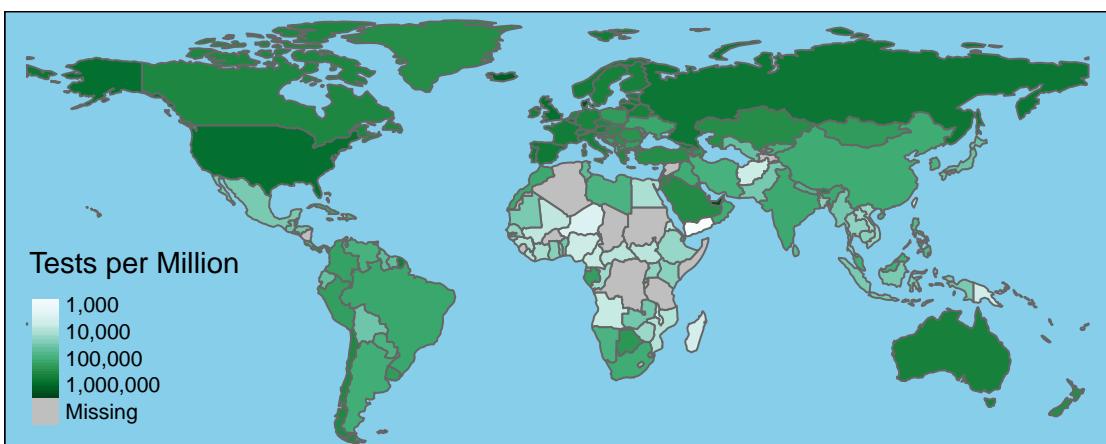
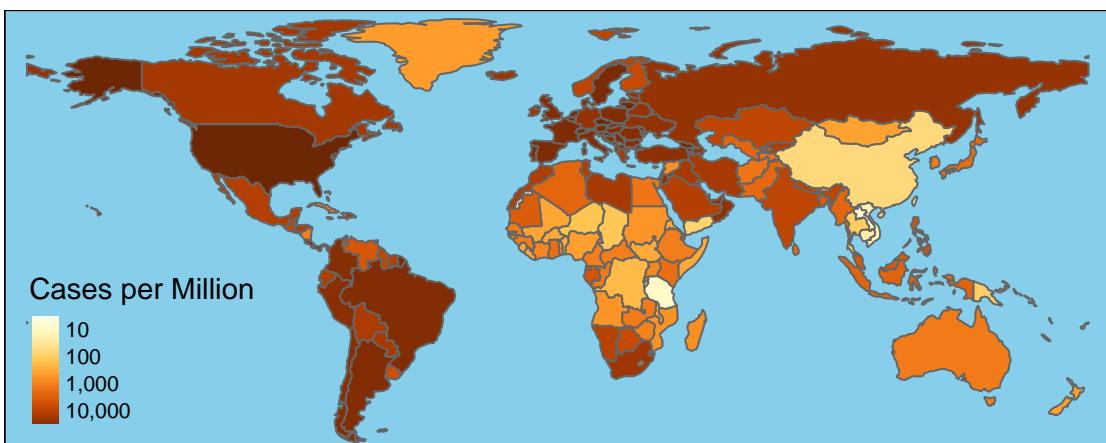
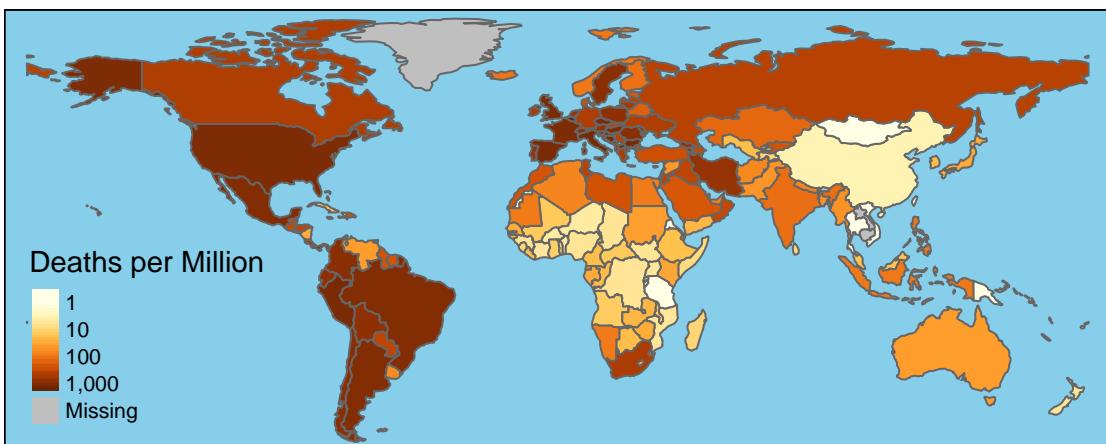


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	20,217,241	350,780	234,775	3,882
India	10,267,283	148,774	21,957	299
Brazil	7,619,970	193,940	55,853	1,224
Russia	3,131,550	56,426	26,513	599
France	2,600,498	64,381	26,457	303
UK	2,432,888	72,548	50,023	981
Turkey	2,194,272	20,642	15,692	254
Italy	2,083,689	73,604	16,202	575
Spain	1,921,115	50,689	15,058	247
Germany	1,720,173	33,486	28,410	1,066
Colombia	1,626,461	42,909	11,639	289
Argentina	1,613,928	43,163	11,765	145
Mexico	1,401,529	123,845	12,099	990
Poland	1,281,481	28,022	13,022	568
Iran	1,218,752	55,095	6,271	149
Ukraine	1,045,348	18,324	7,986	243
South Africa	1,039,161	28,033	17,710	465
Peru	1,012,614	37,621	2,118	47
Netherlands	787,300	11,324	9,398	112
Indonesia	735,124	21,944	8,002	241



National Data

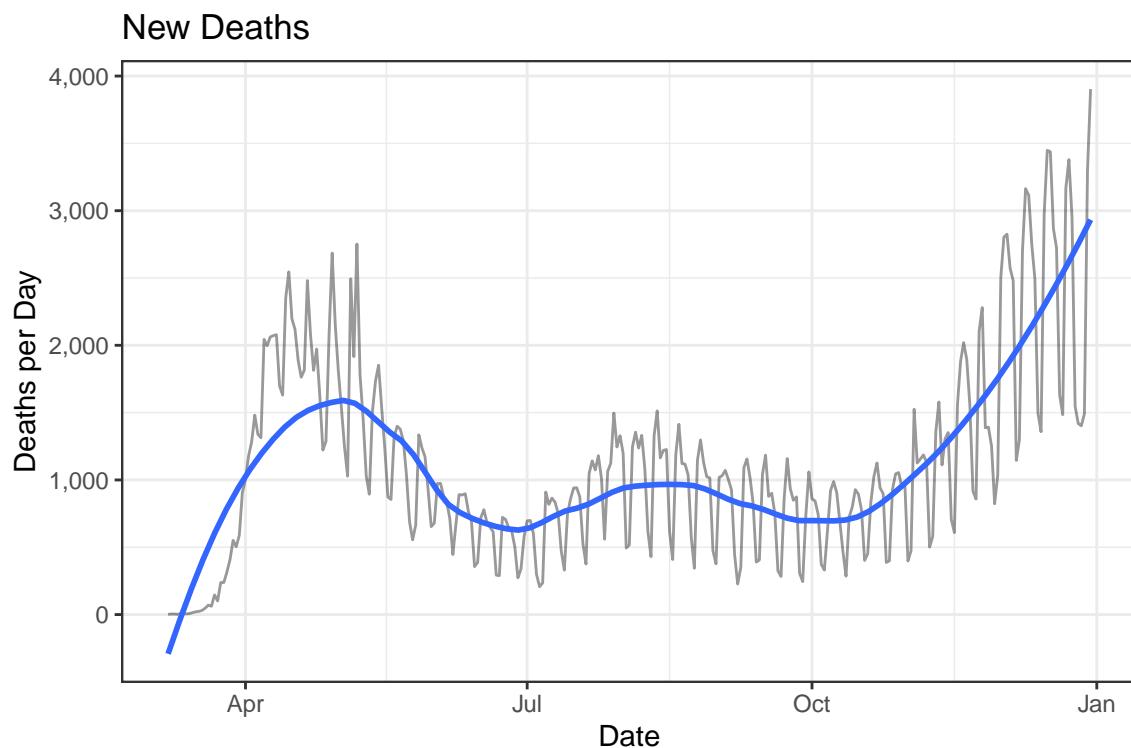
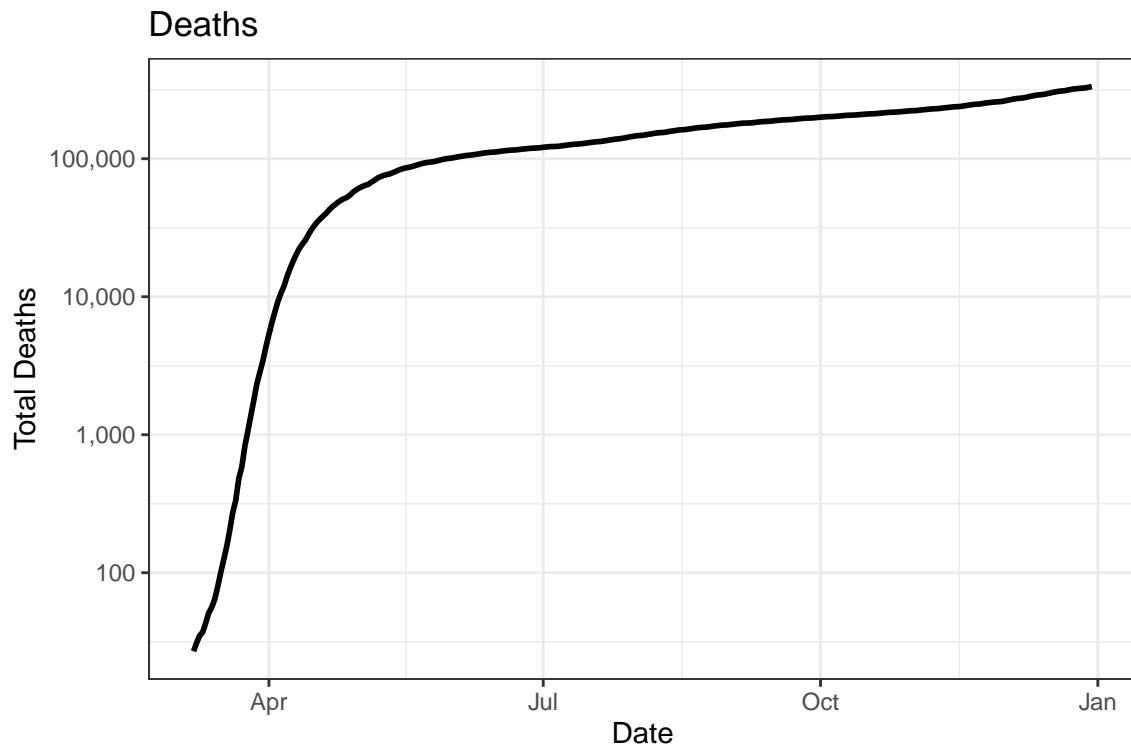
There have been 19,493,586 confirmed Covid-19 cases and 333,524 deaths in the United States.

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

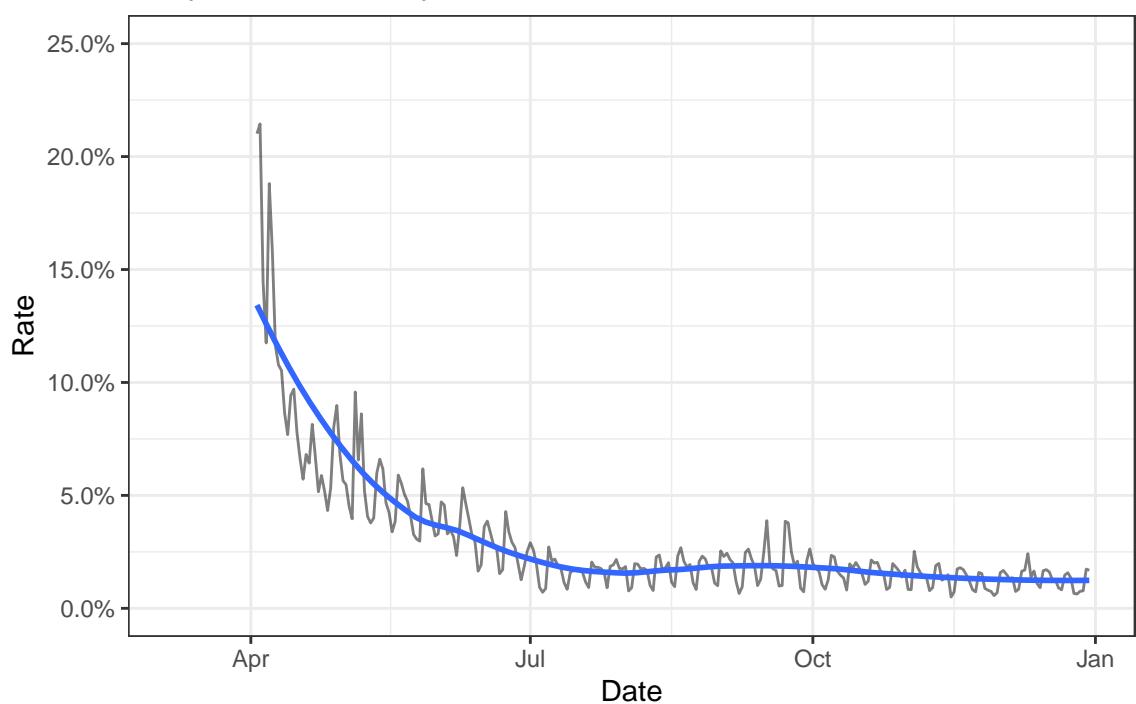
Date	Cases	Deaths	New Cases	New Deaths
2020-12-30	19,493,586	333,524	225,671	3,903
2020-12-29	19,267,915	329,621	195,194	3,299
2020-12-28	19,072,721	326,322	162,190	1,491
2020-12-27	18,910,531	324,831	153,194	1,402
2020-12-26	18,757,337	323,429	189,494	1,419
2020-12-25	18,567,843	322,010	125,368	1,548
2020-12-24	18,442,475	320,462	203,625	2,949
2020-12-23	18,238,850	317,513	220,834	3,379
2020-12-22	18,018,016	314,134	189,932	3,166
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

Deaths

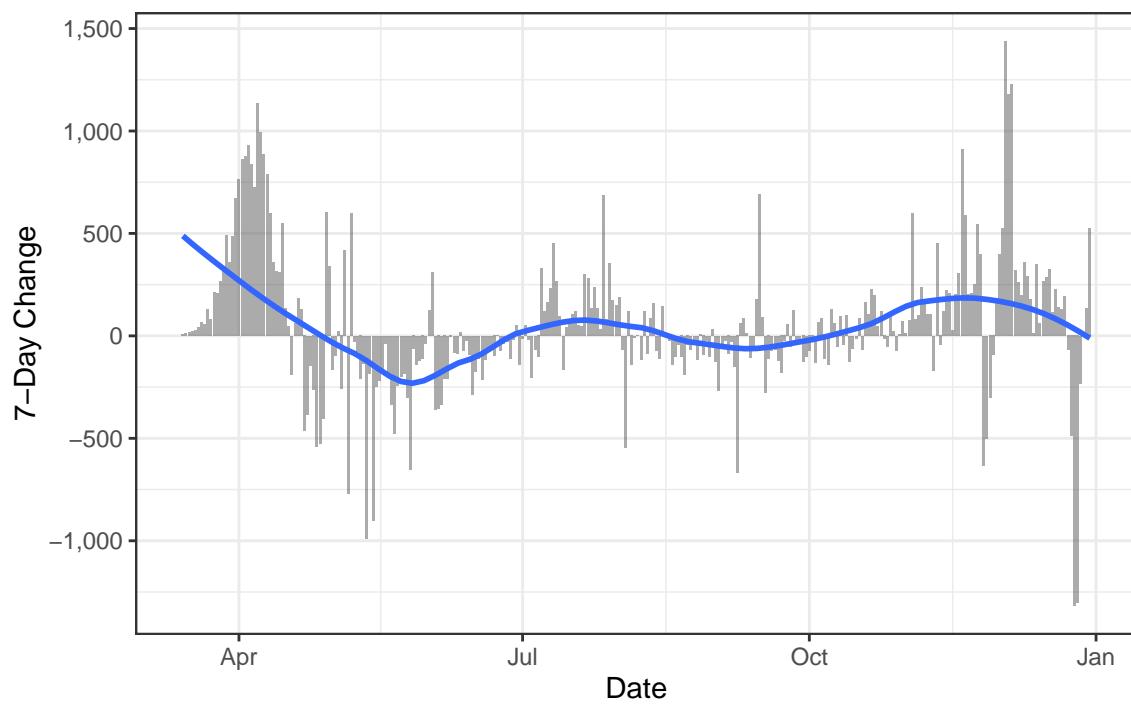
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

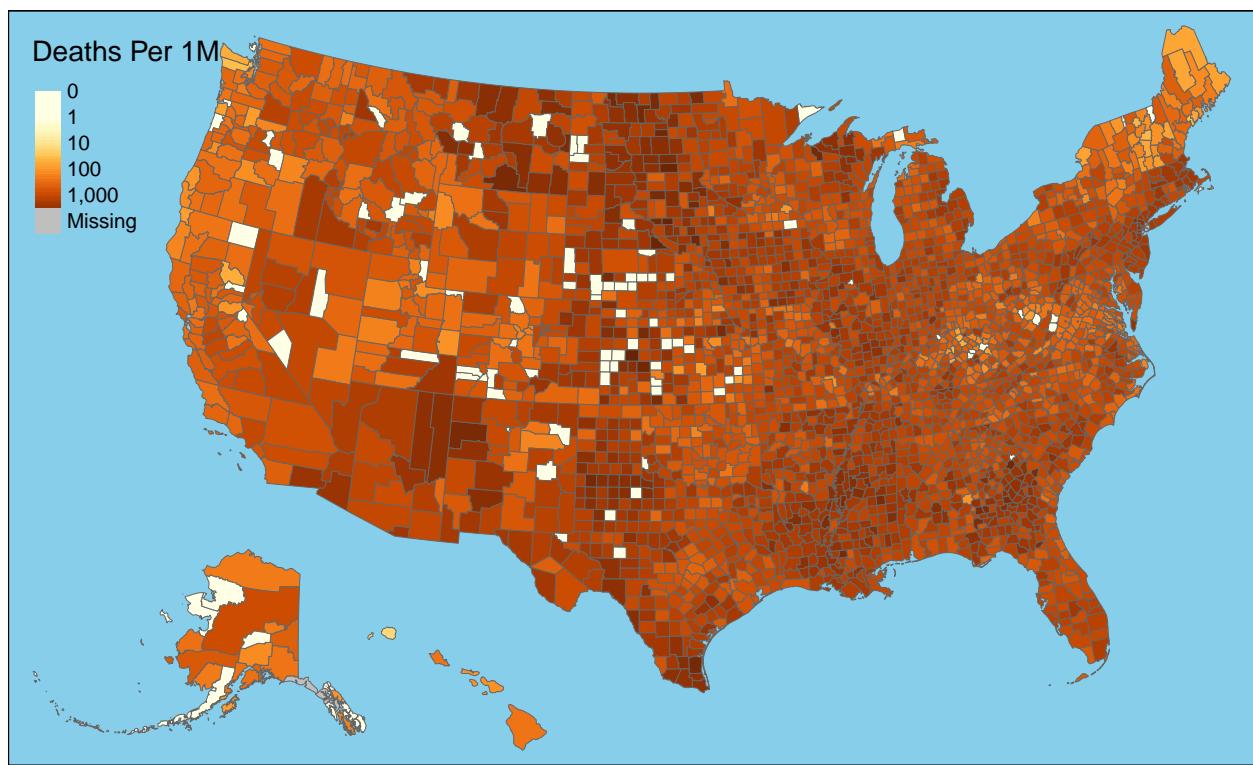


Daily Case Mortality Rate



One-Week Change in Daily Deaths

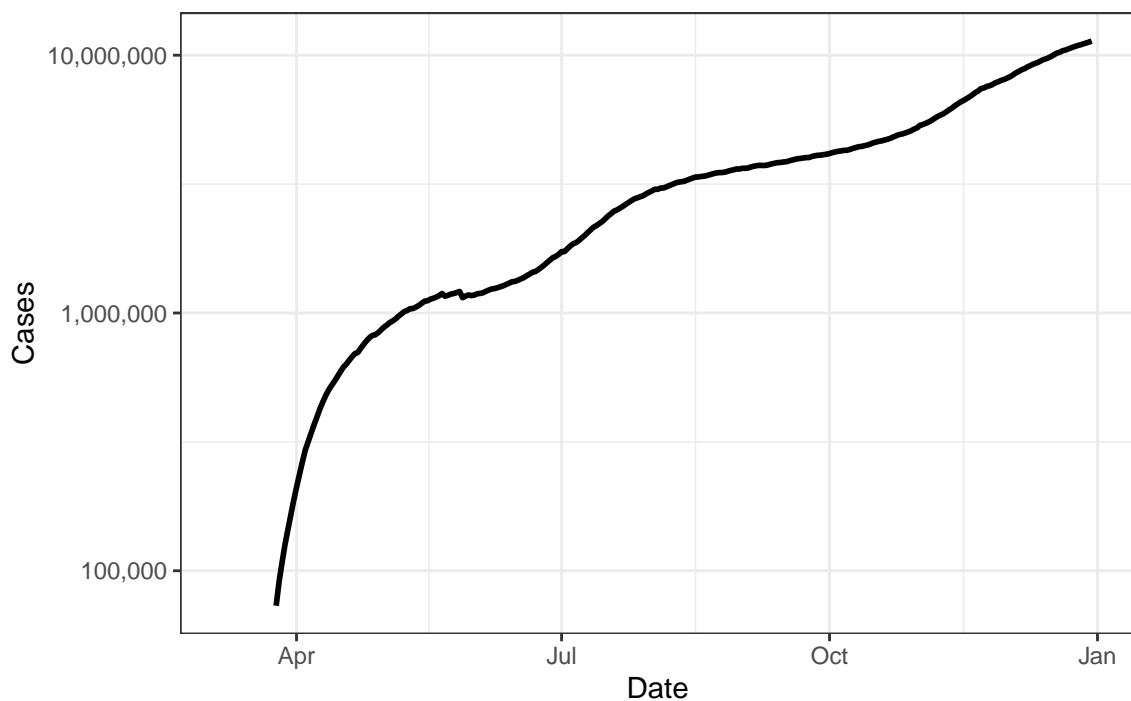




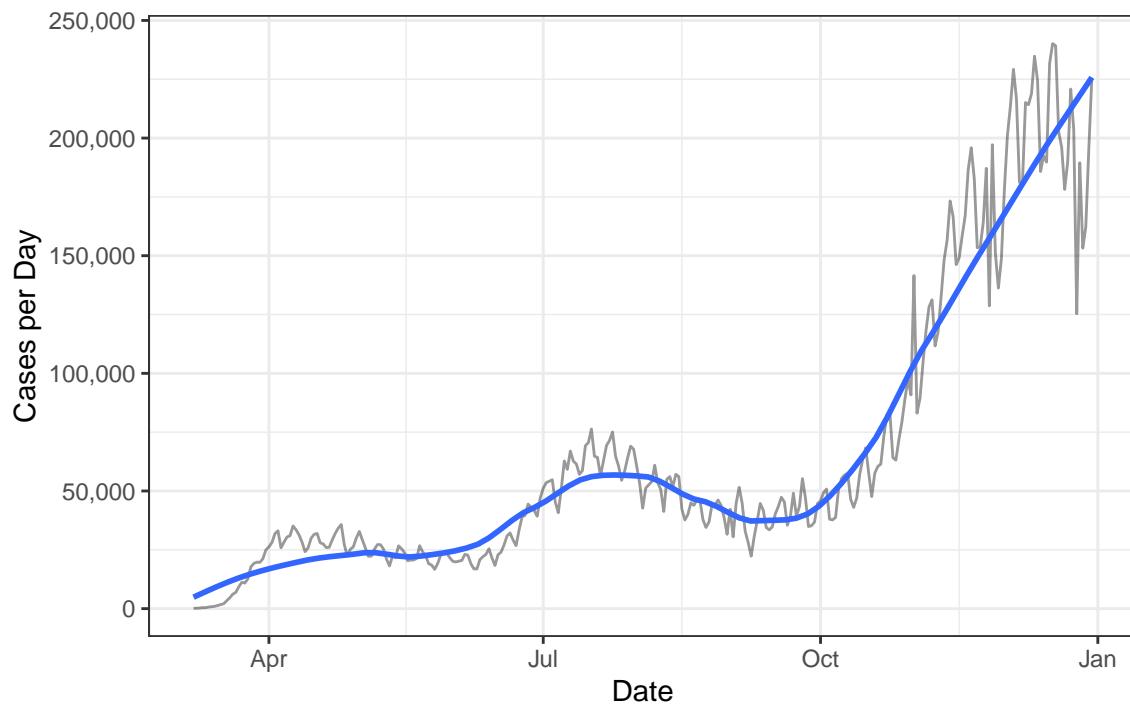
Cases

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

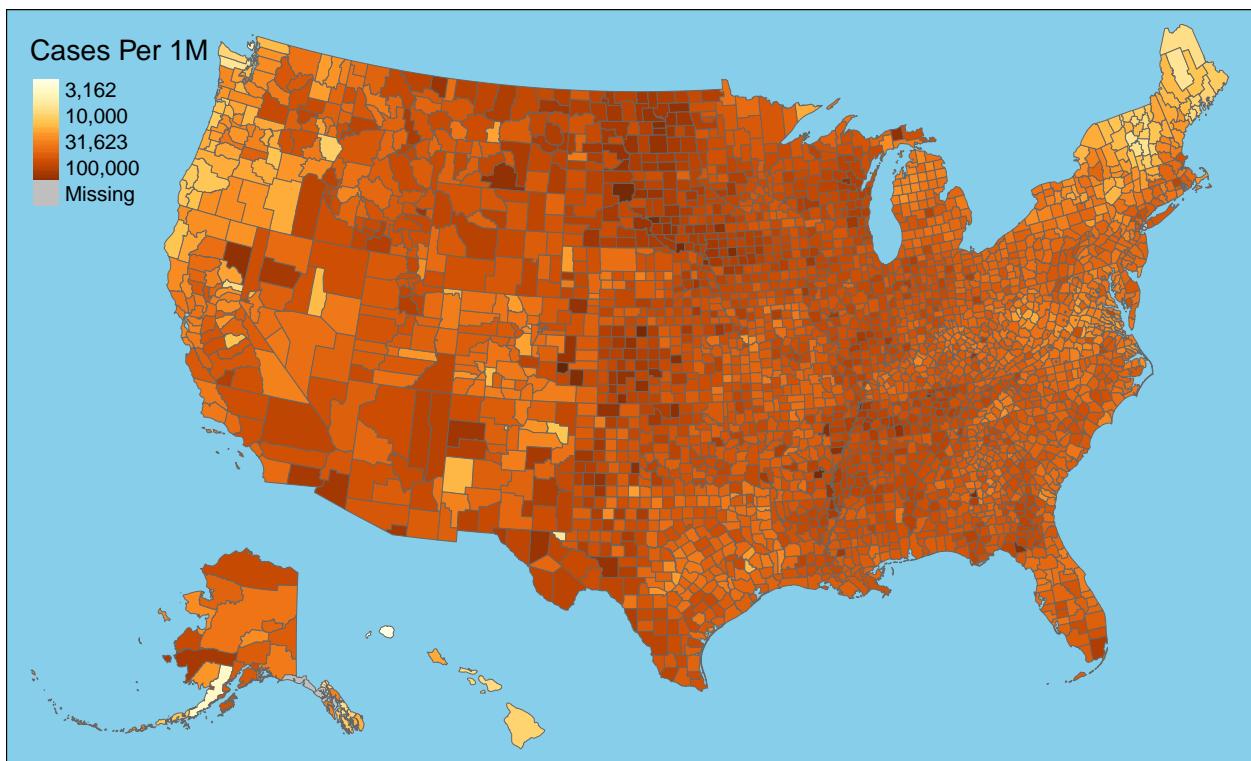
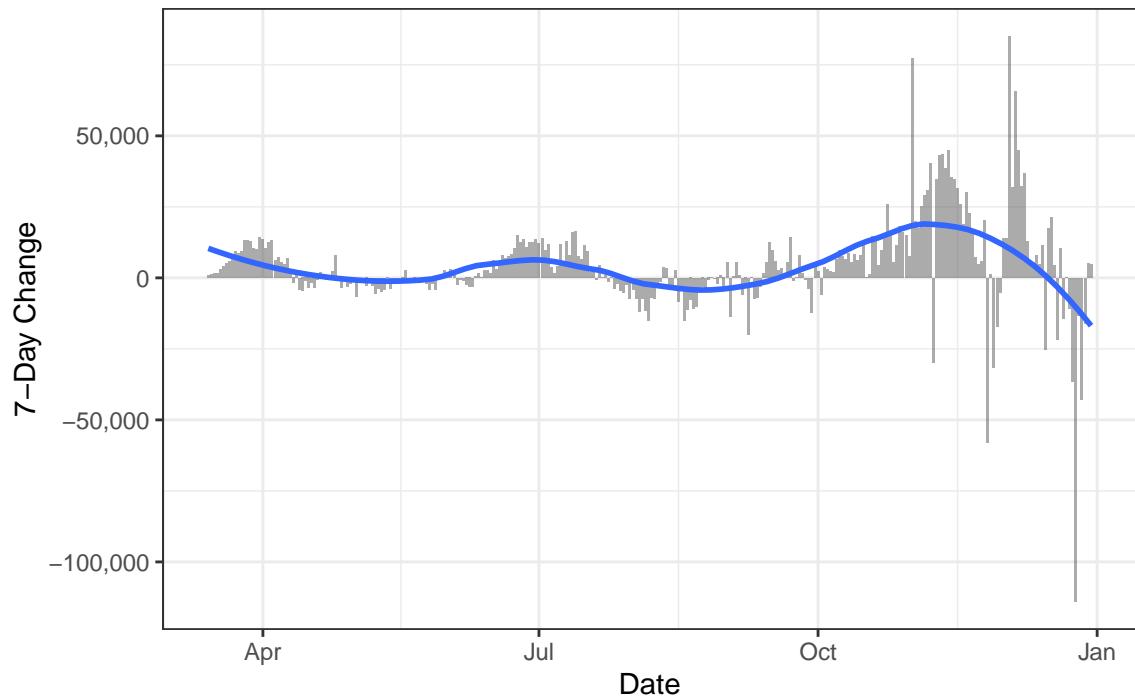
Active Cases



New Cases

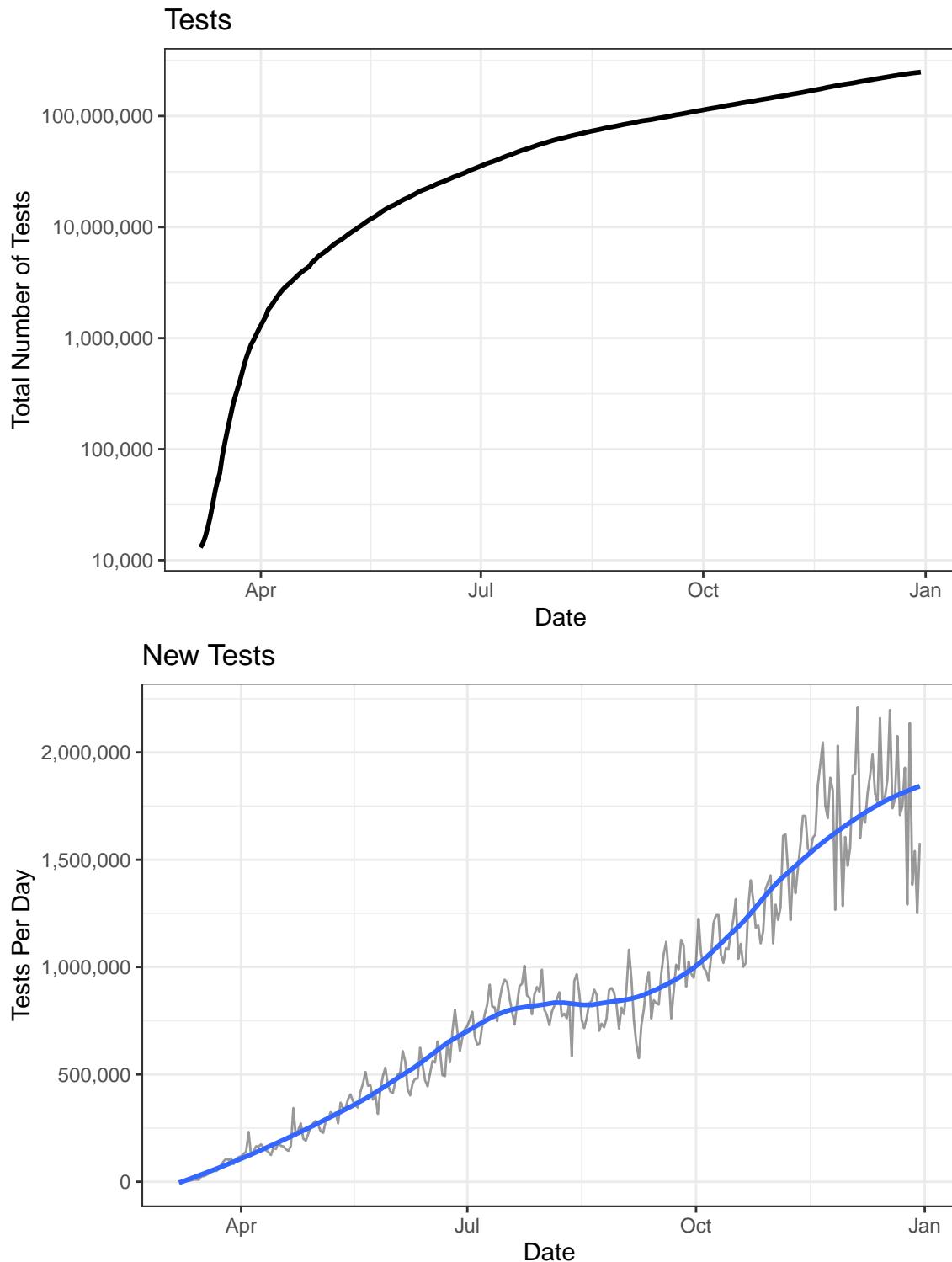


One-Week Change in Daily Cases

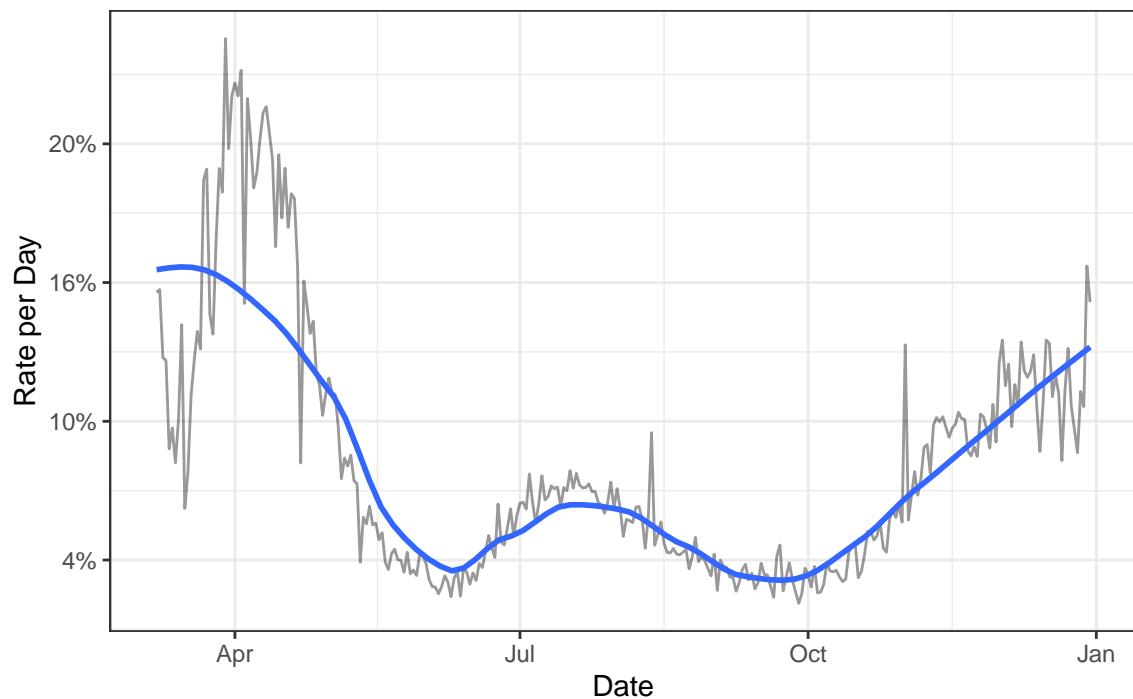


Testing

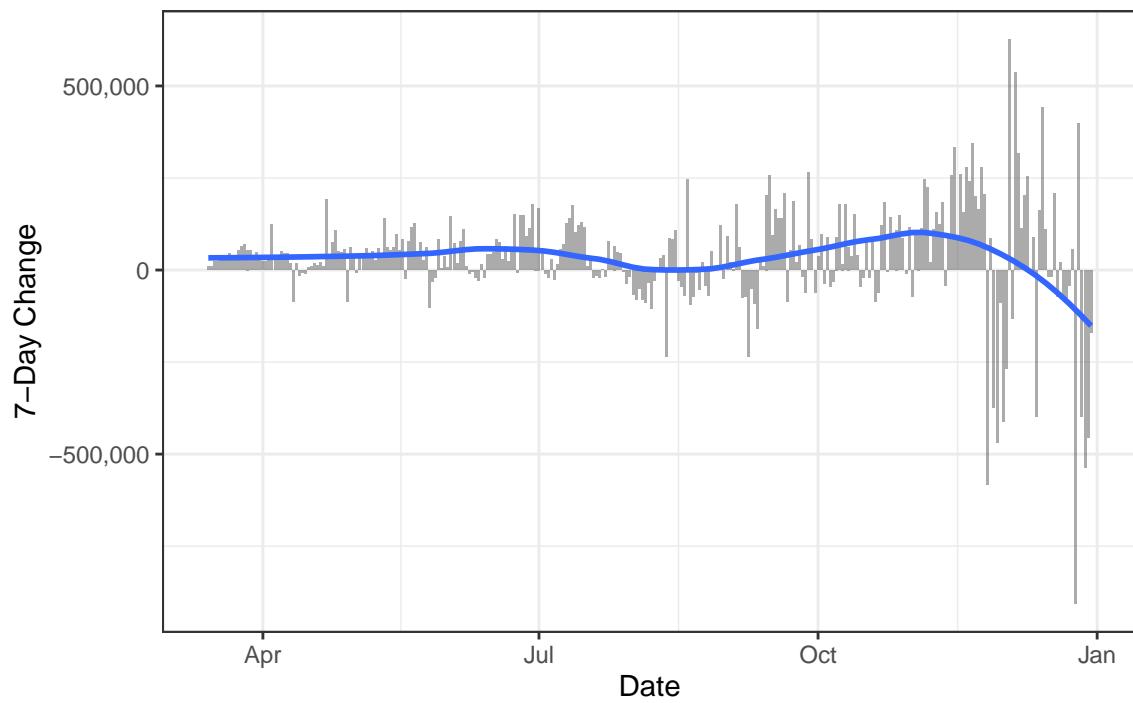
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

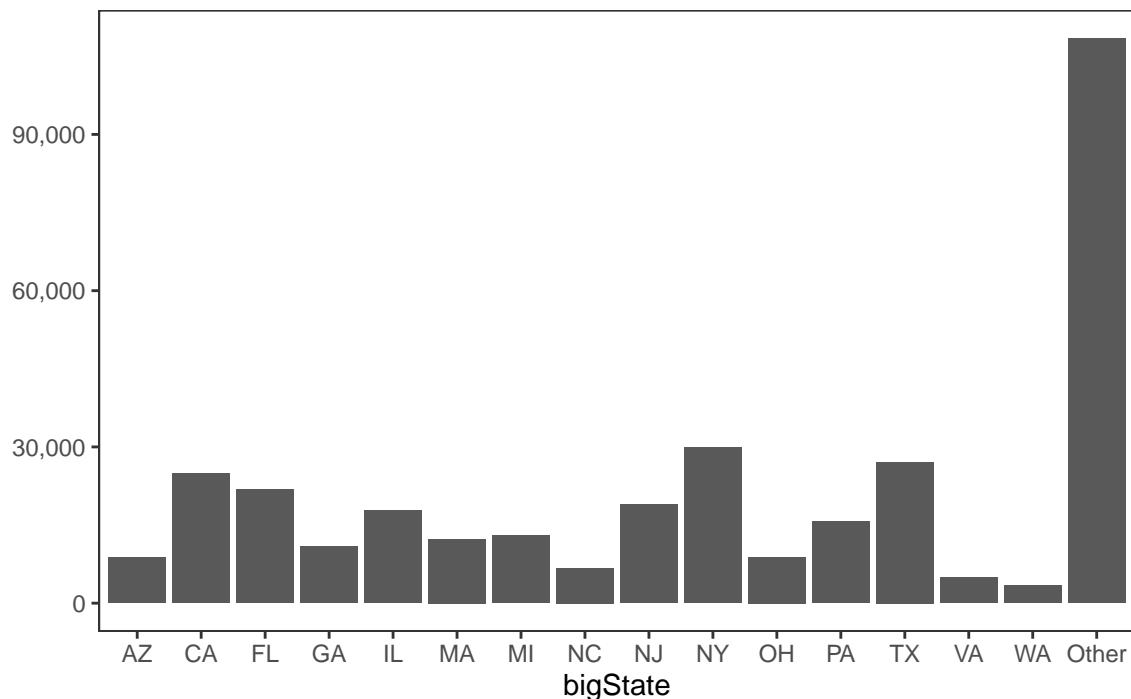


State Data

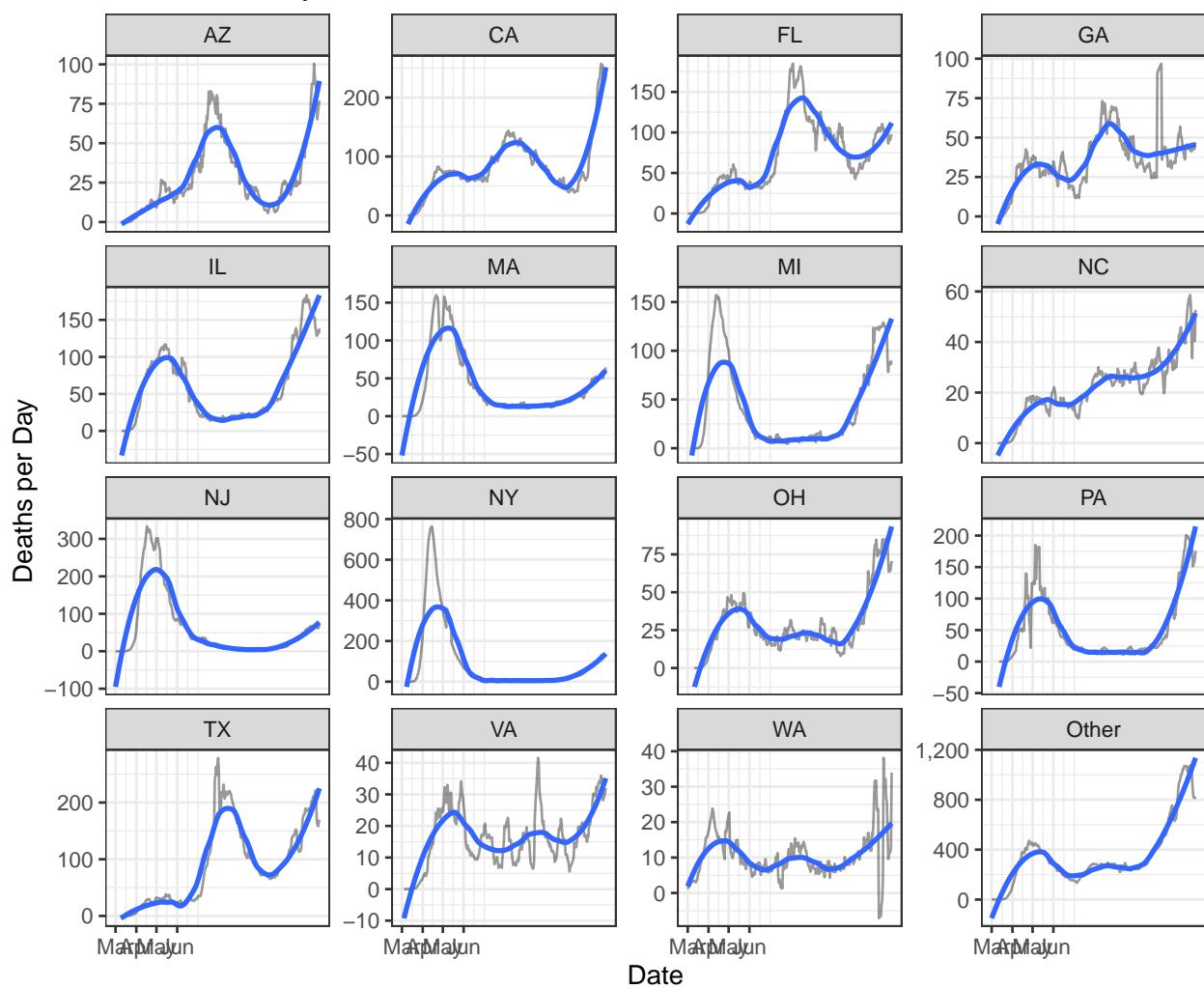
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

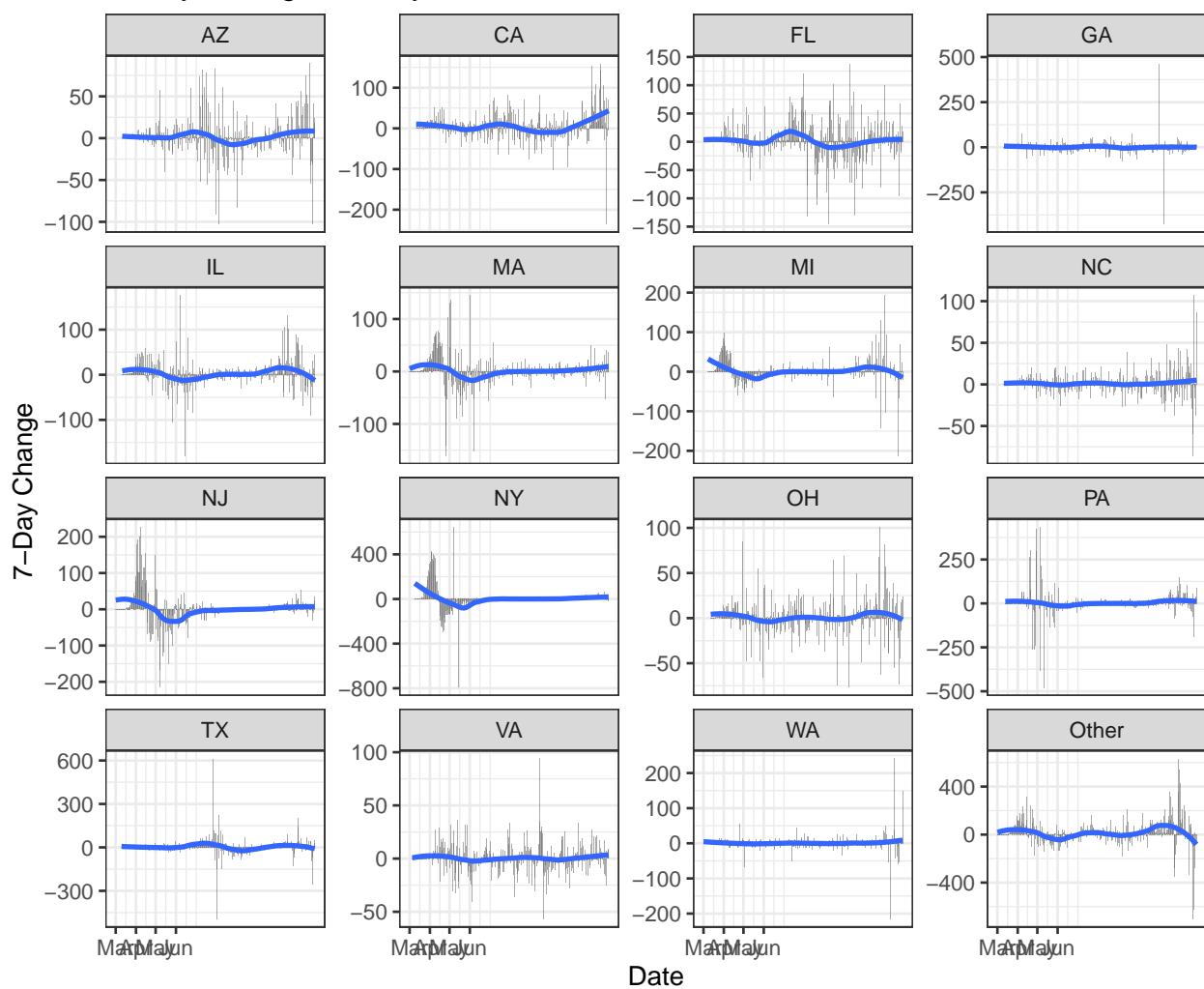
Deaths by State

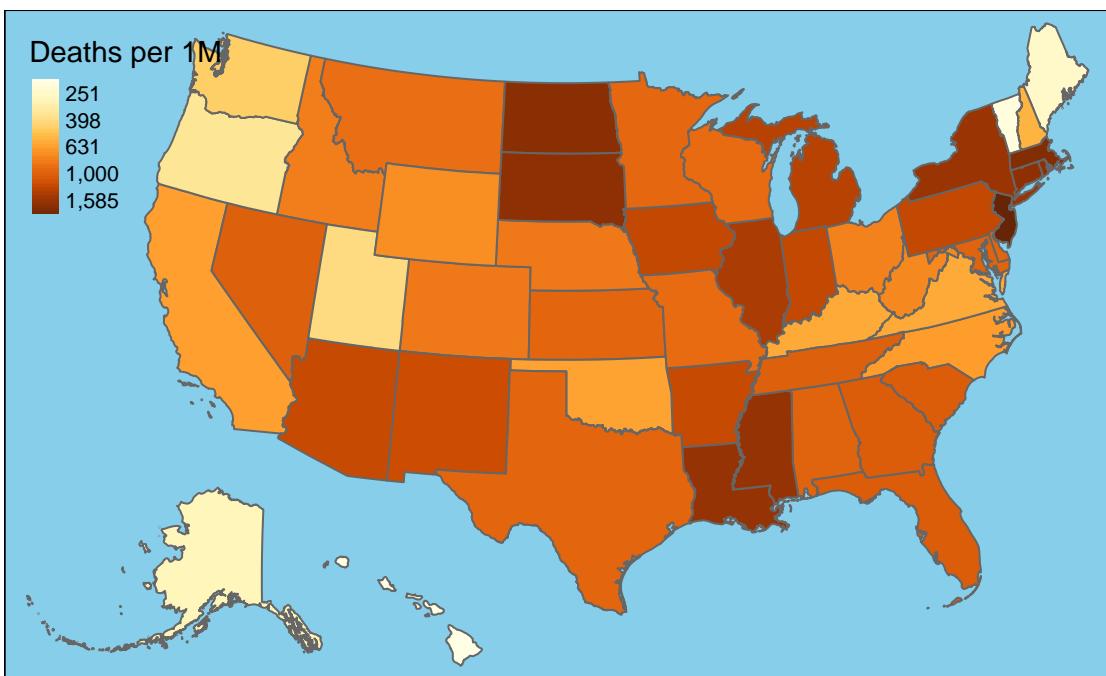
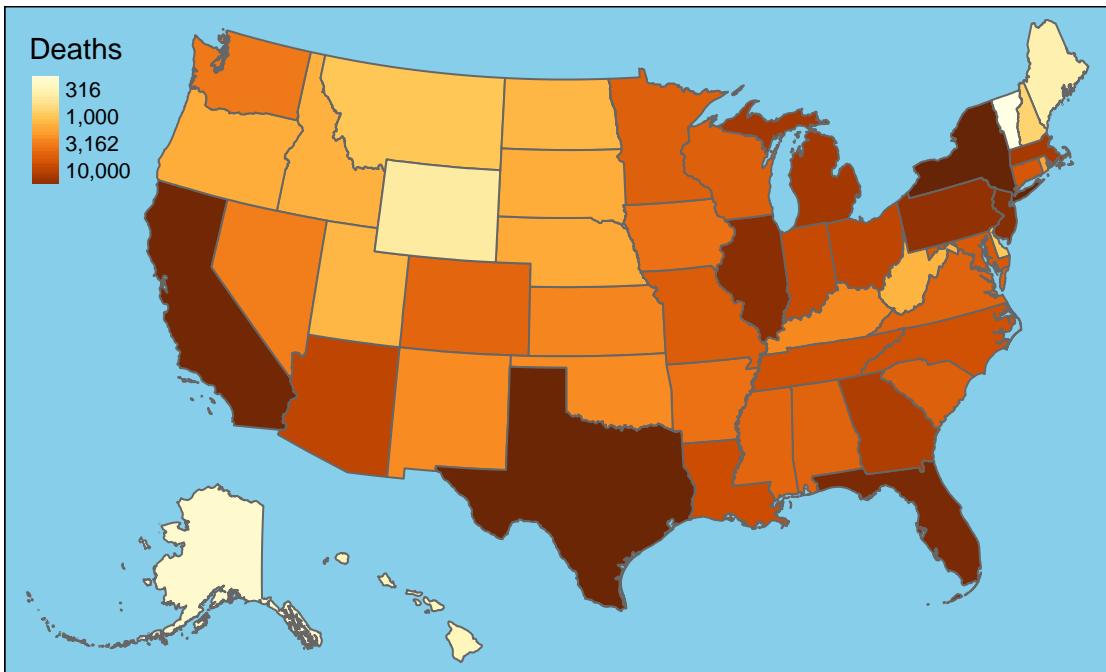


New Deaths by State



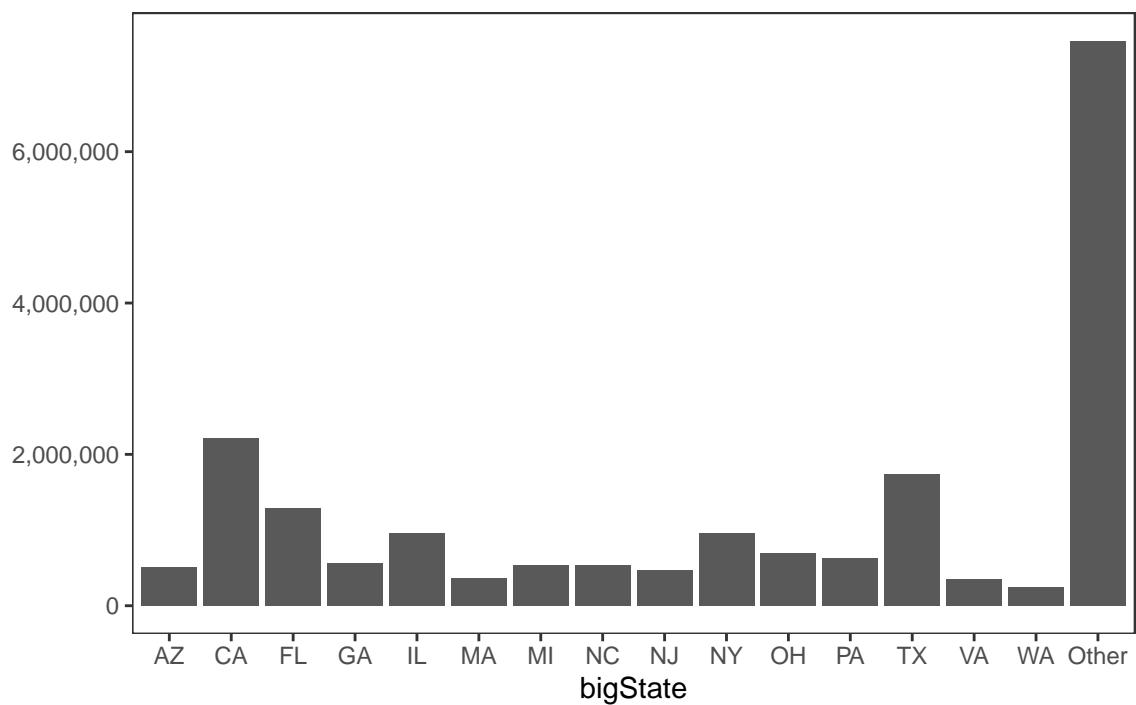
7-Day Change in Daily Deaths



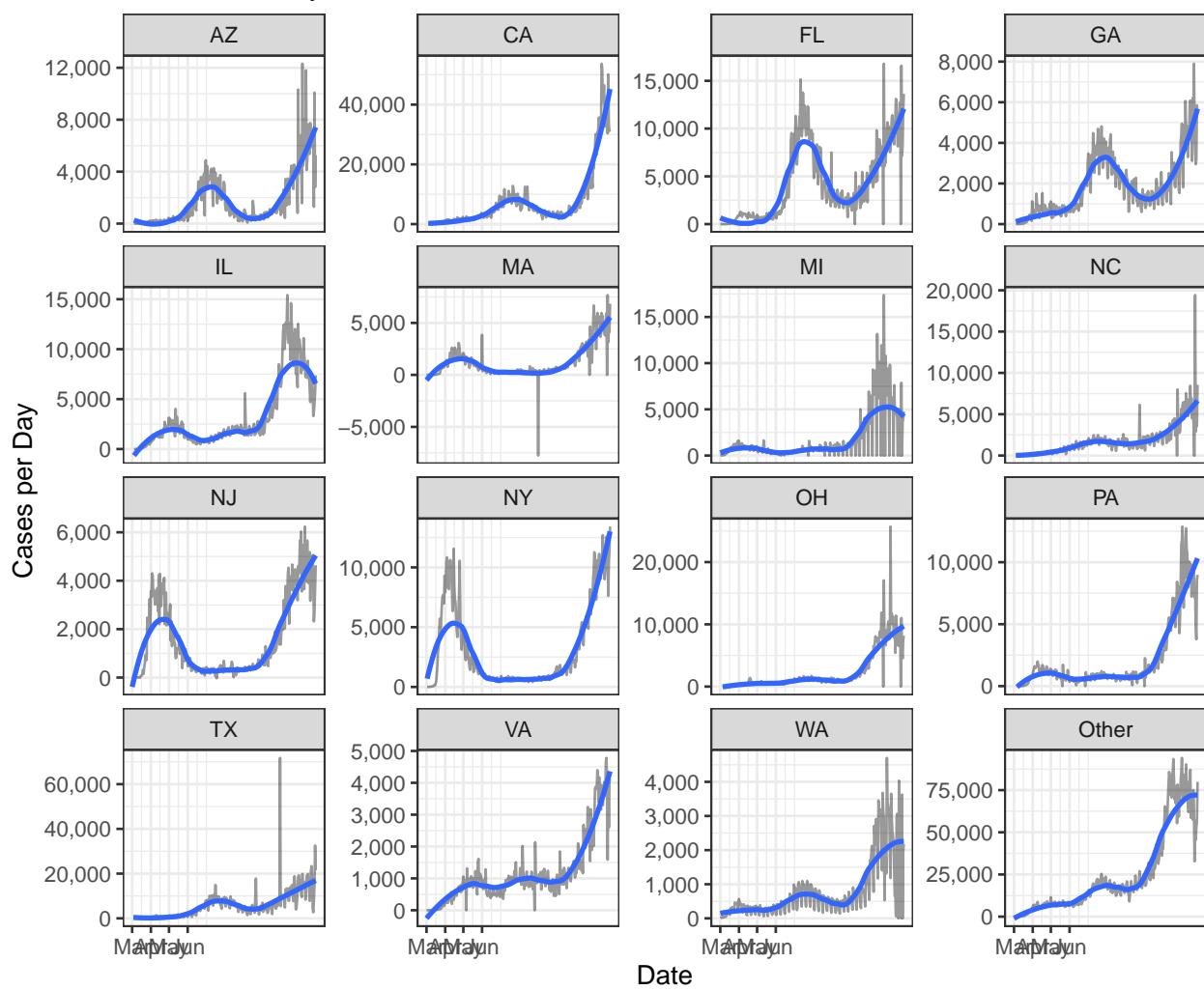


Cases

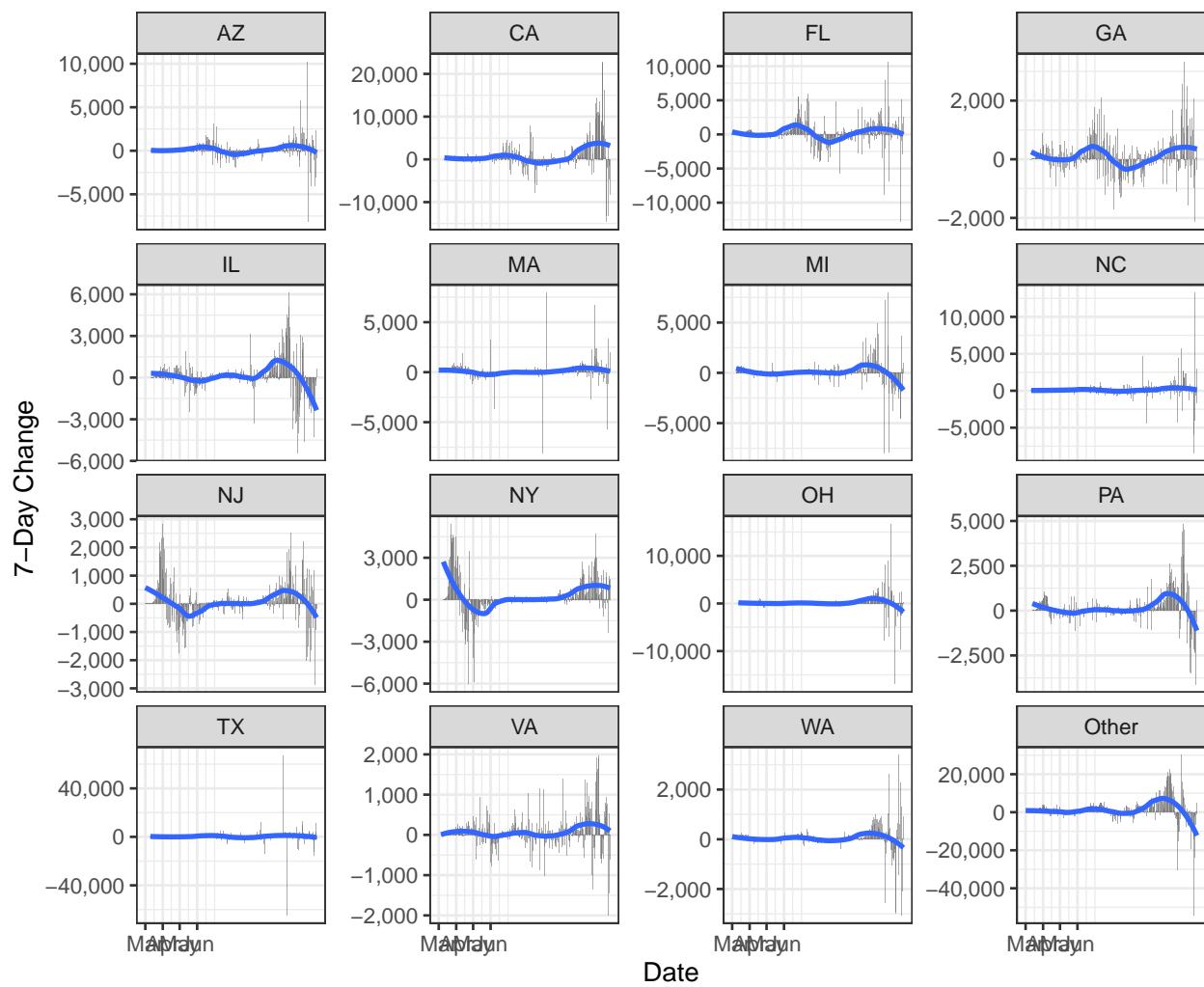
Cases by State

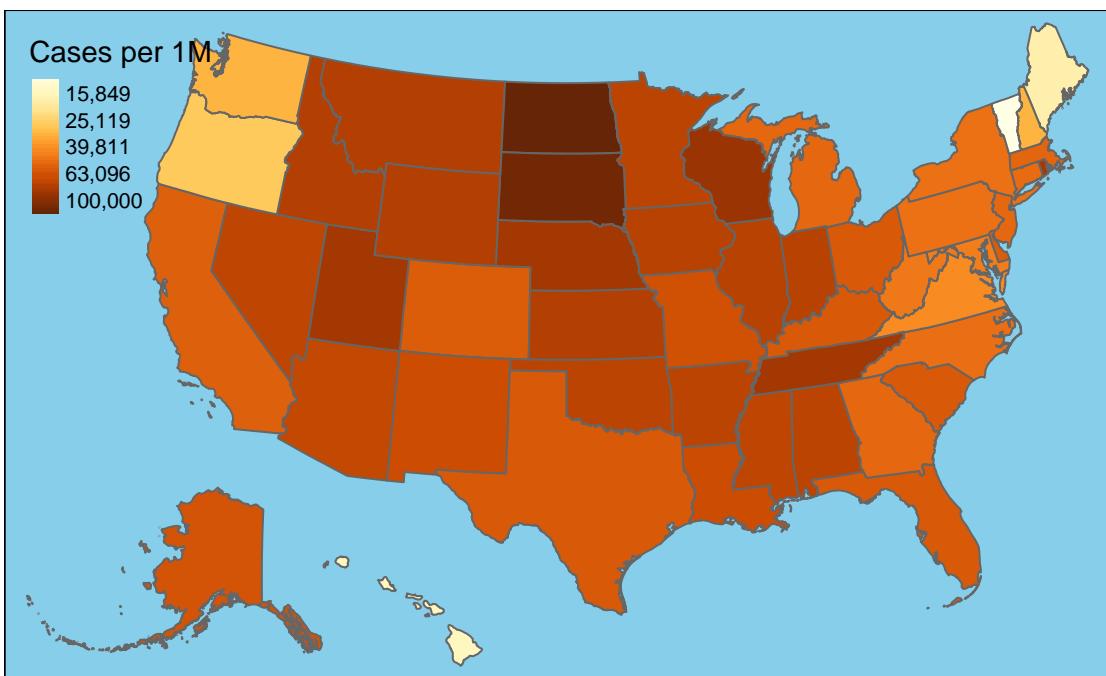
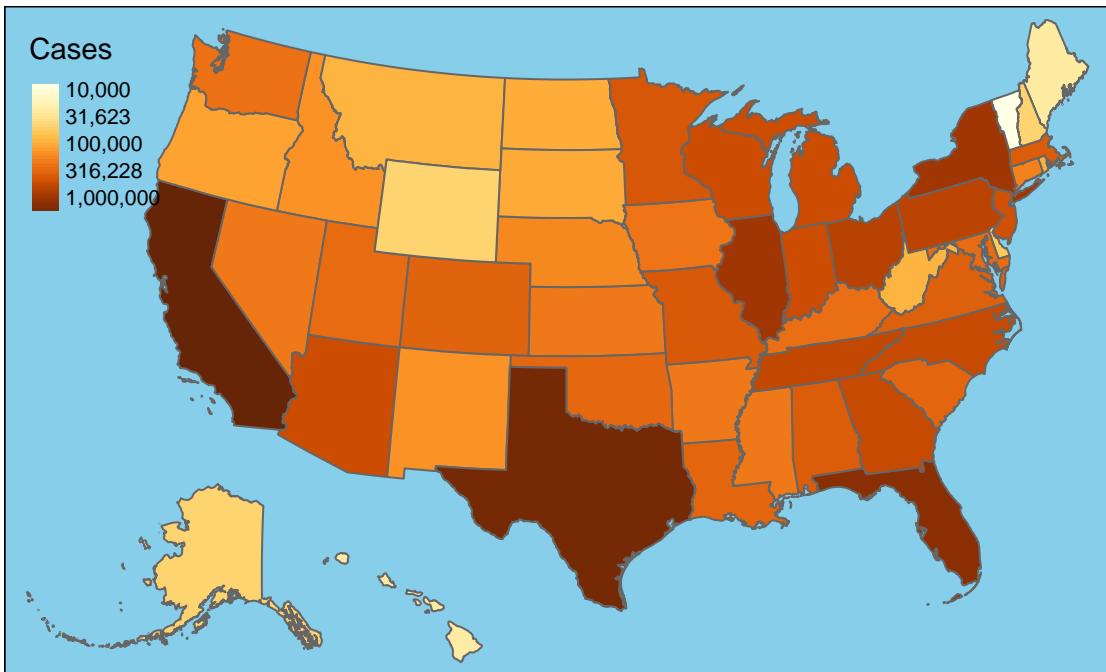


New Cases by State

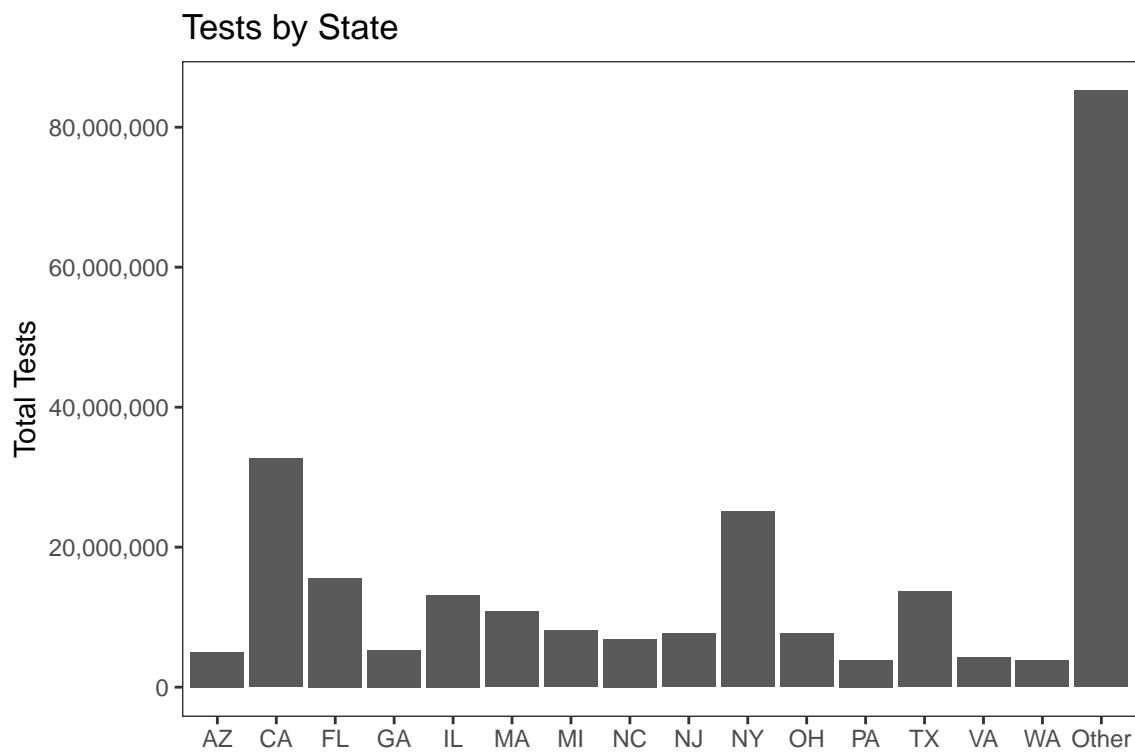


7-Day Change in Daily Cases

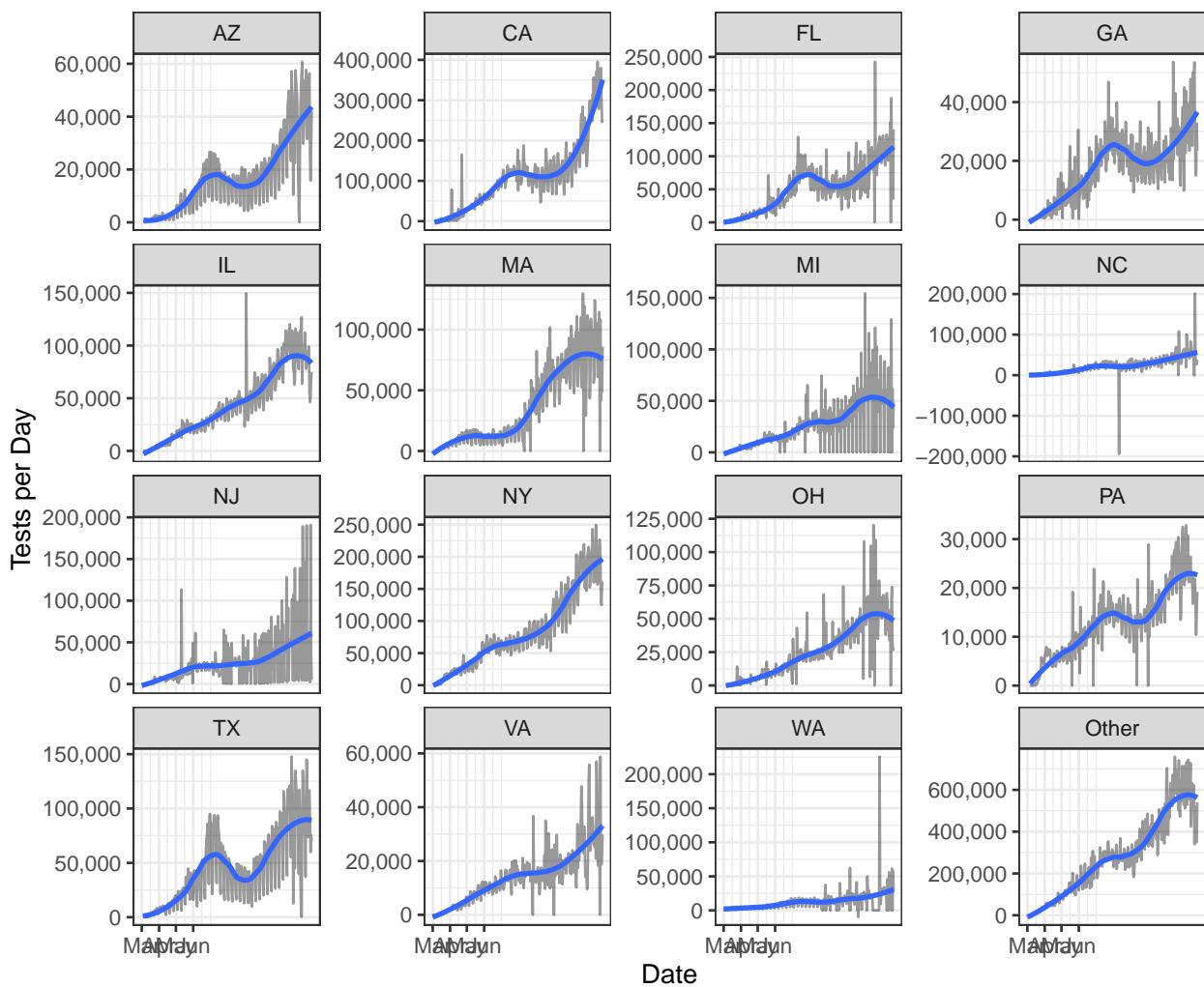


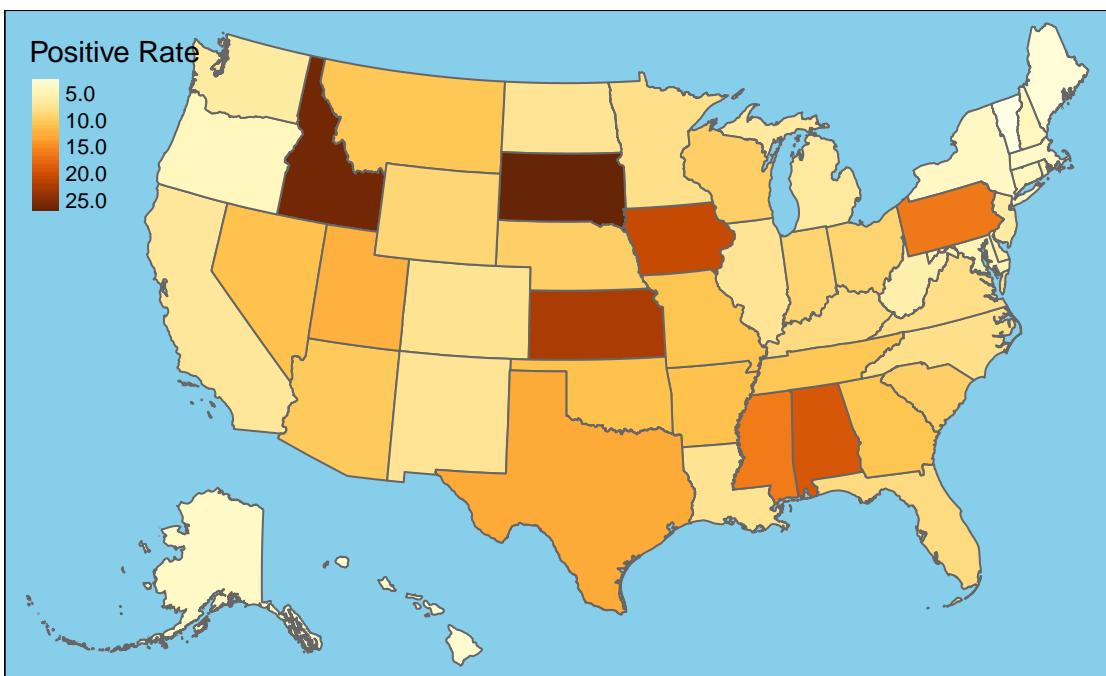
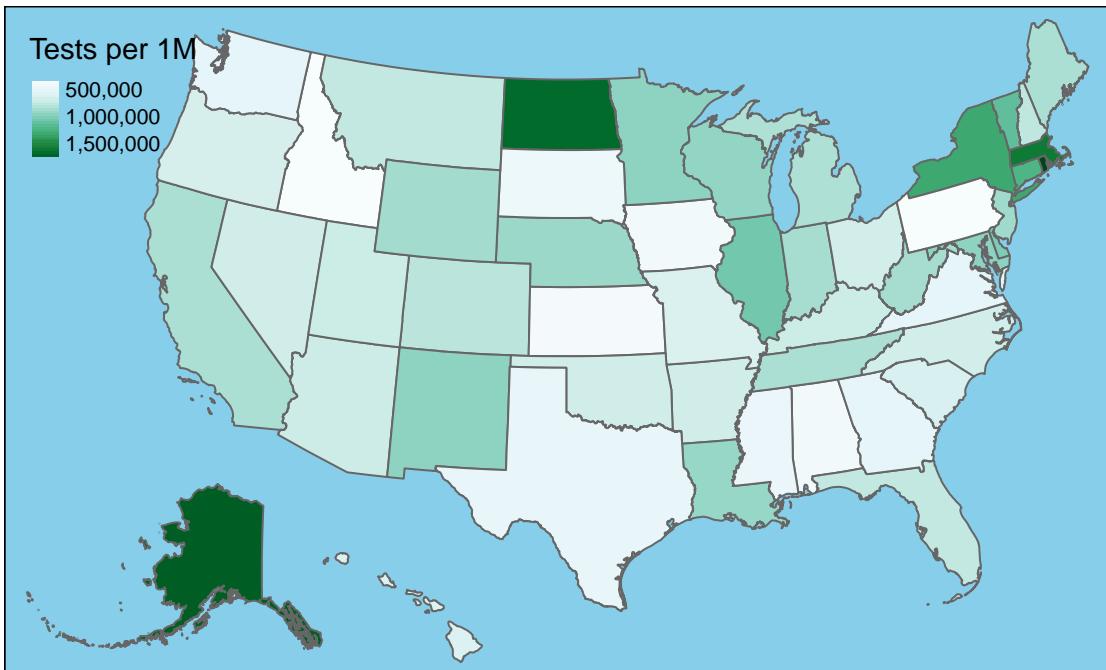


Testing



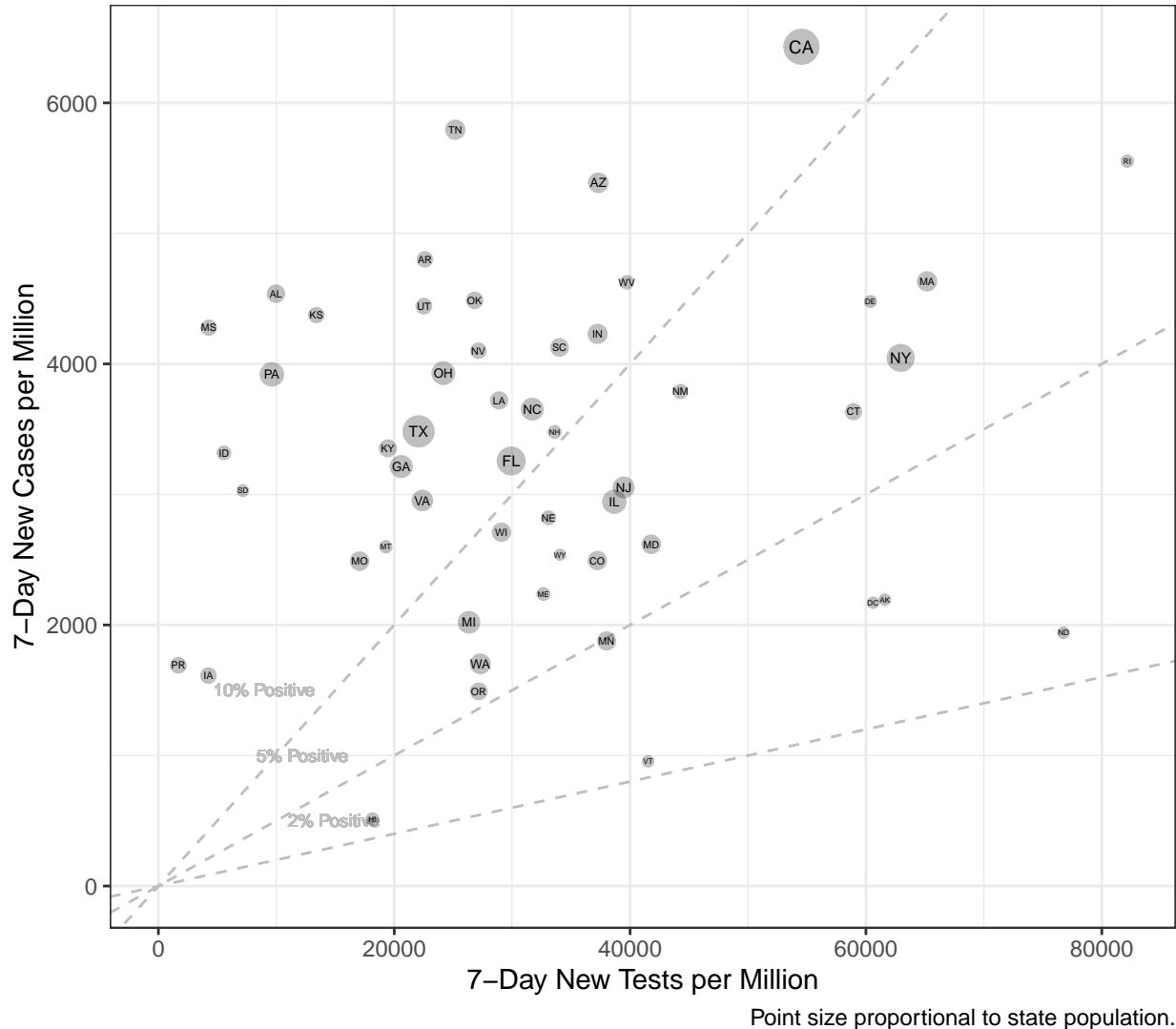
New Tests by State





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



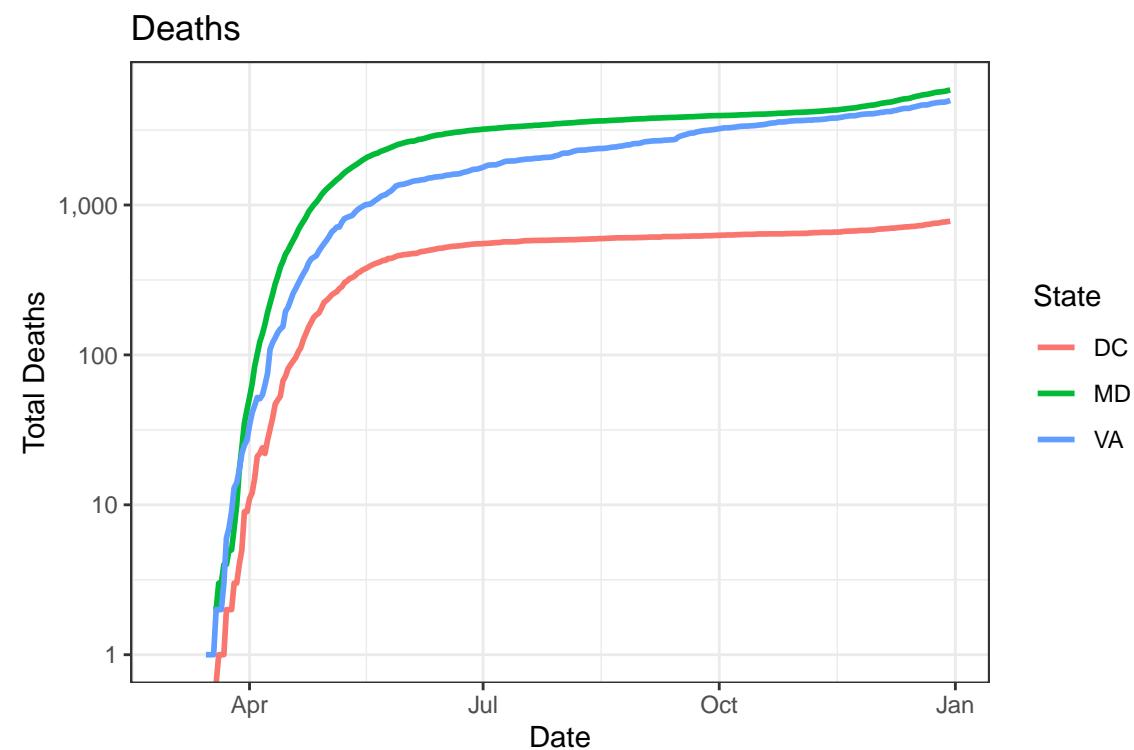
Local Data

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

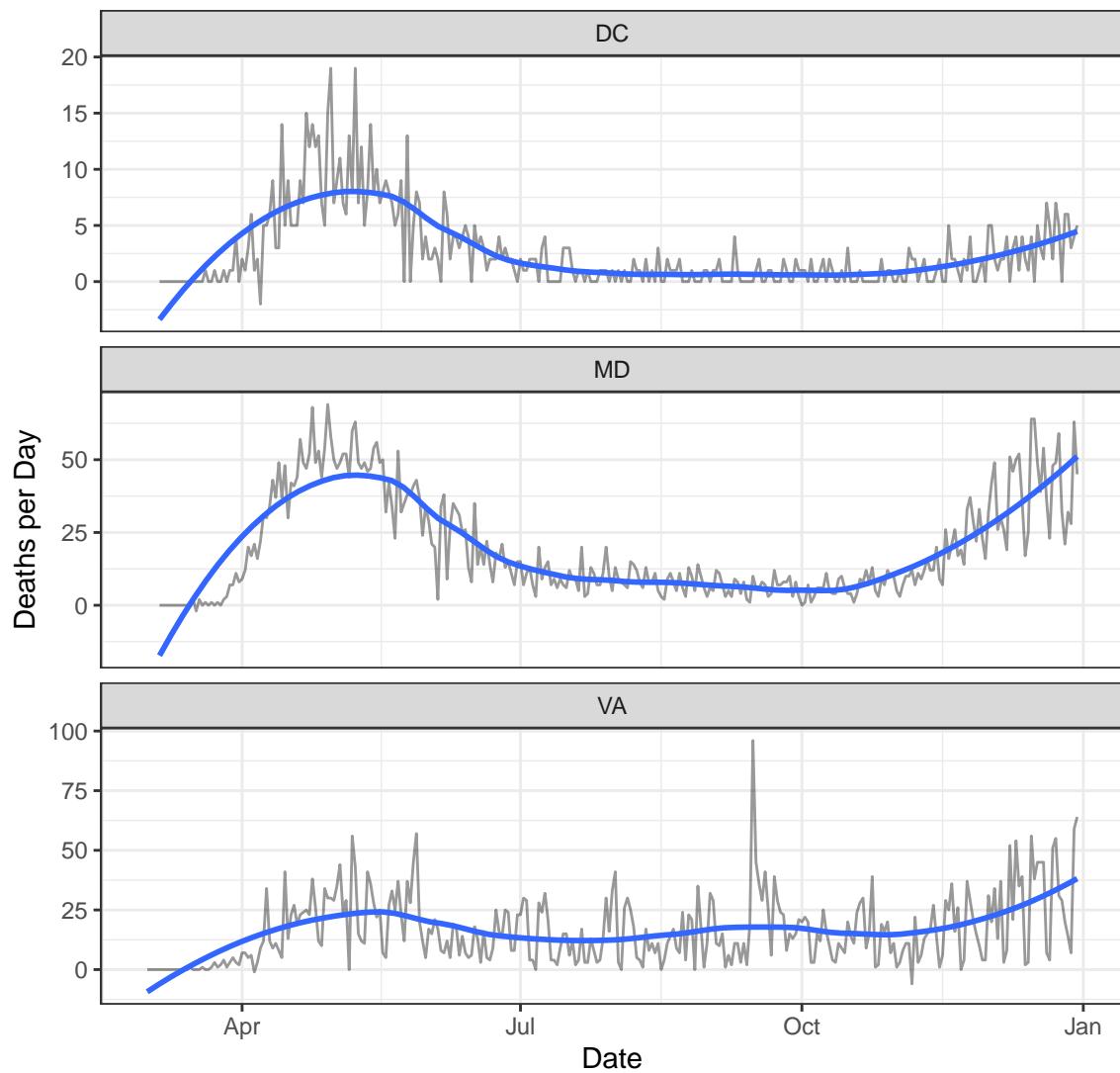
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	28,758	780	223	5
MD	273,689	5,848	2,628	45
VA	344,345	4,984	4,048	64

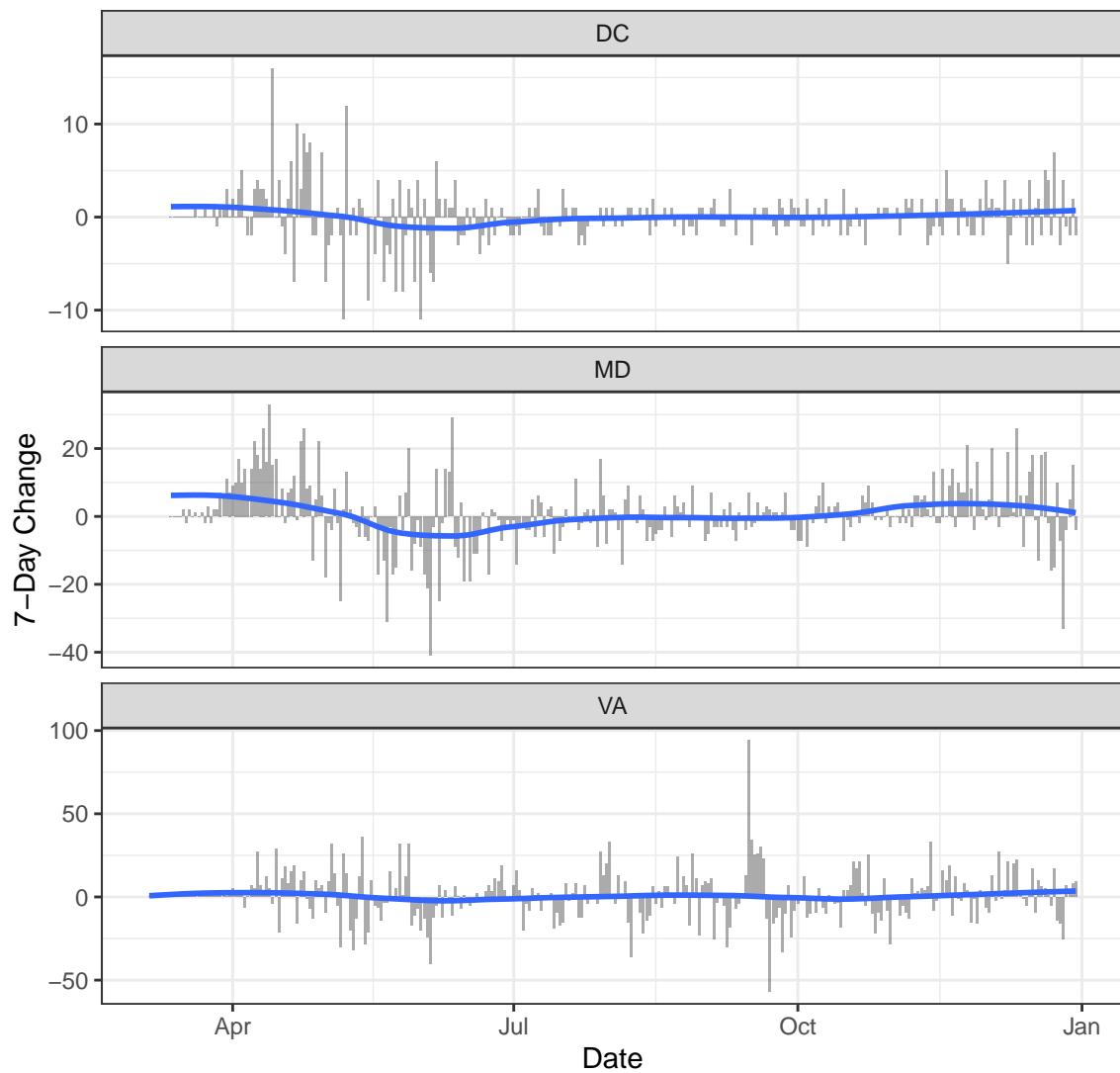
Deaths

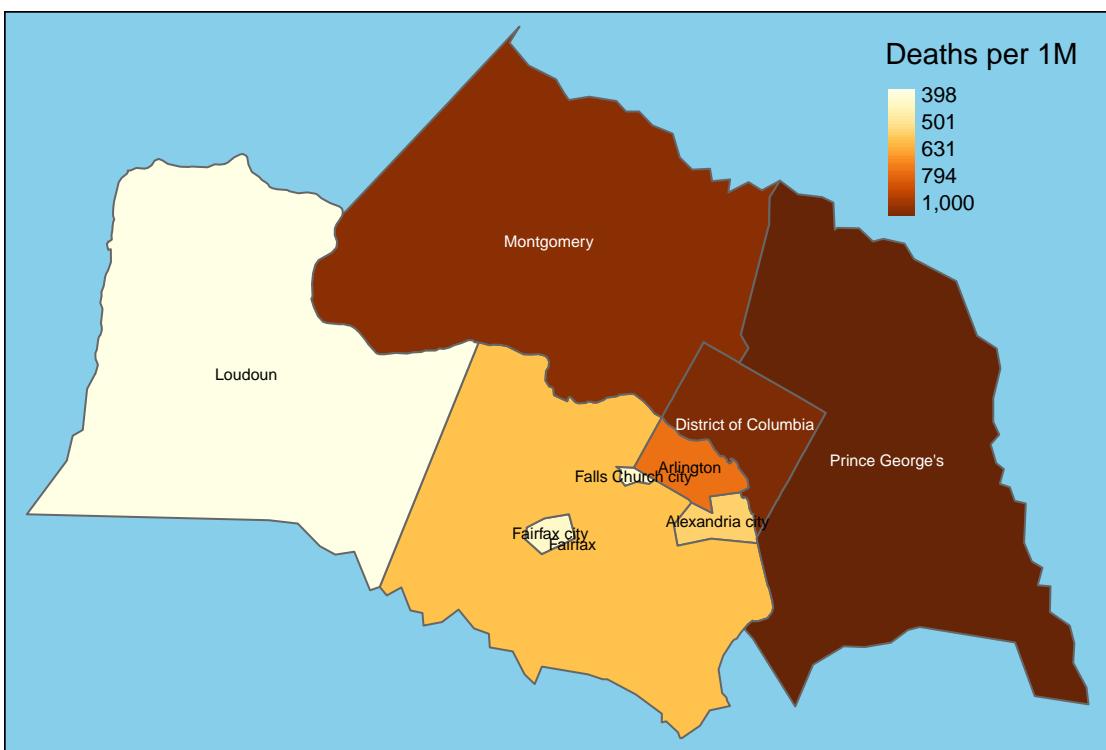
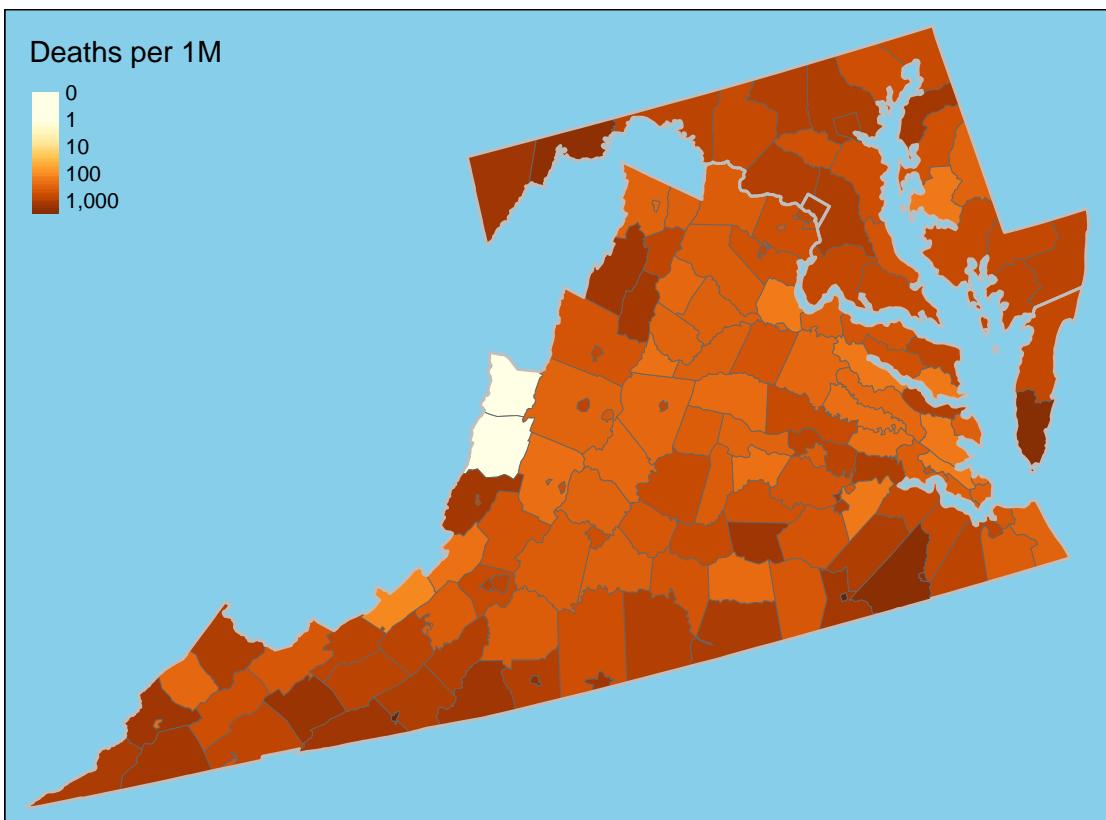


New Deaths

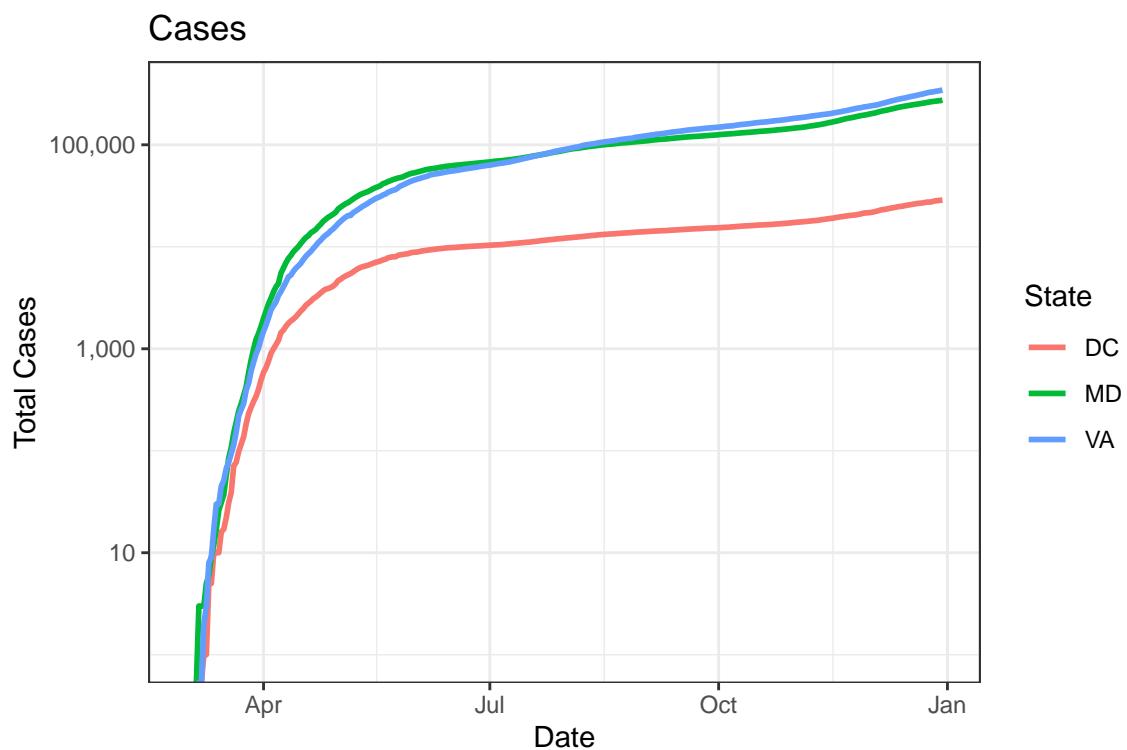


One-Week Change in Daily Deaths

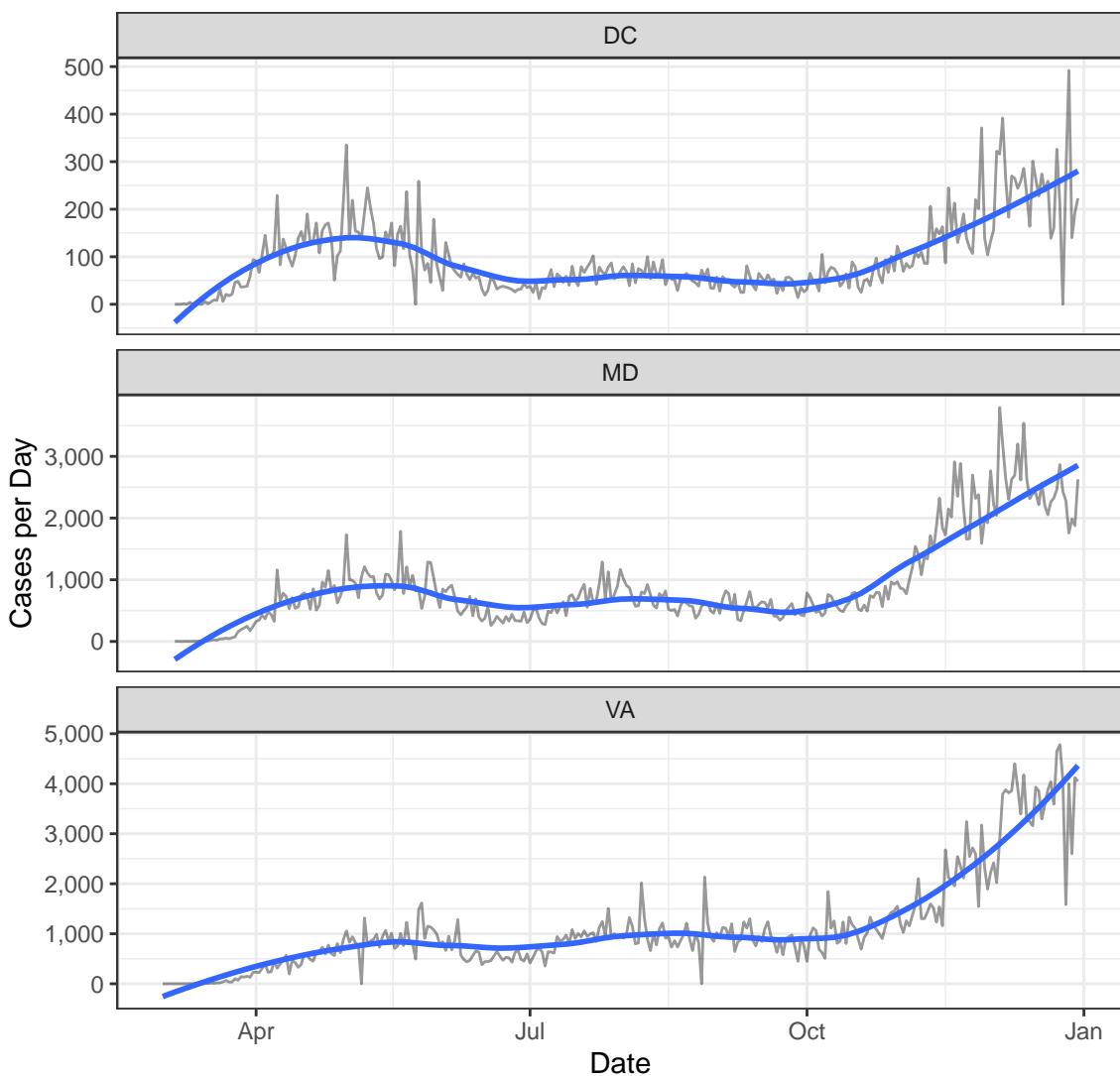




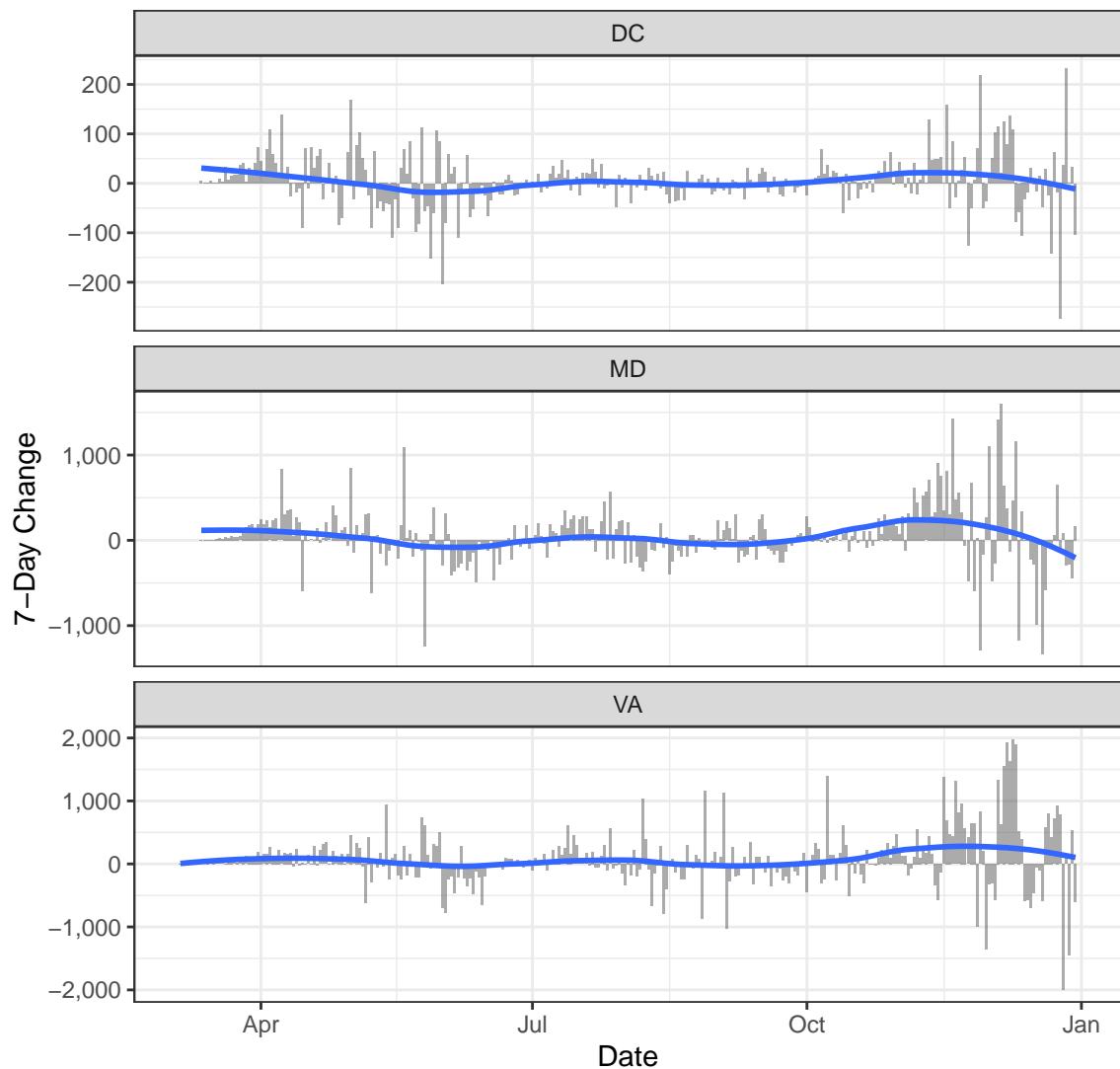
Cases

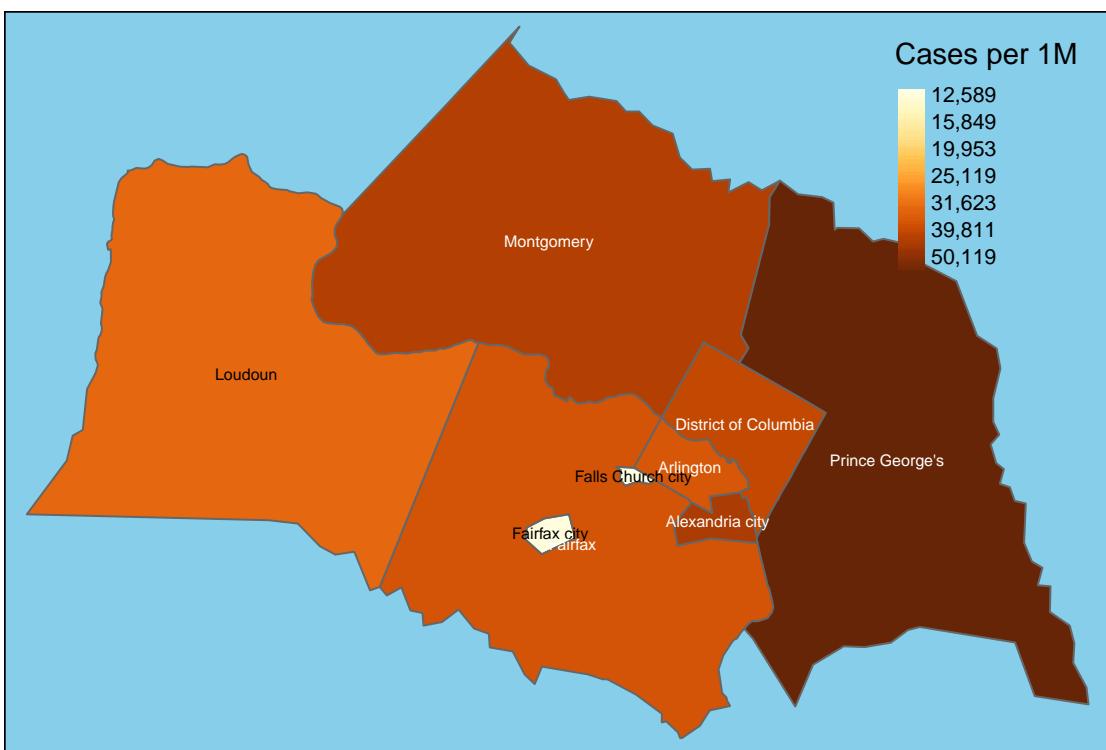
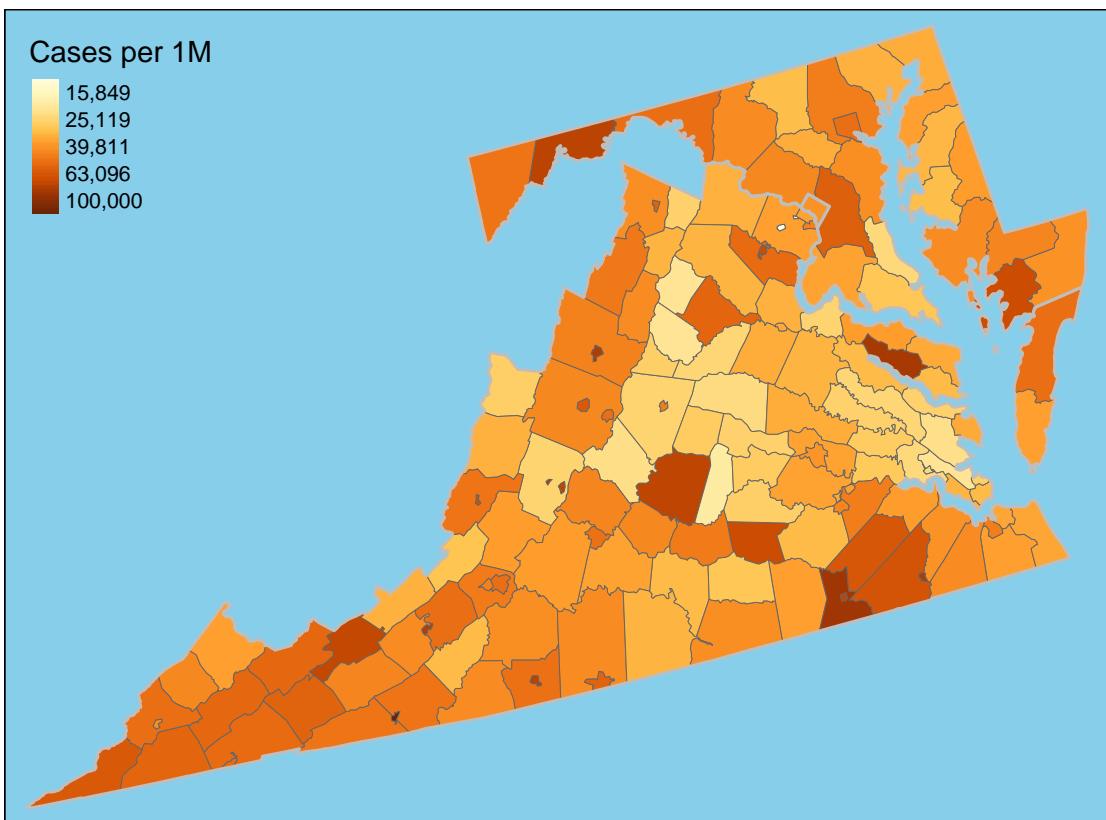


New Cases

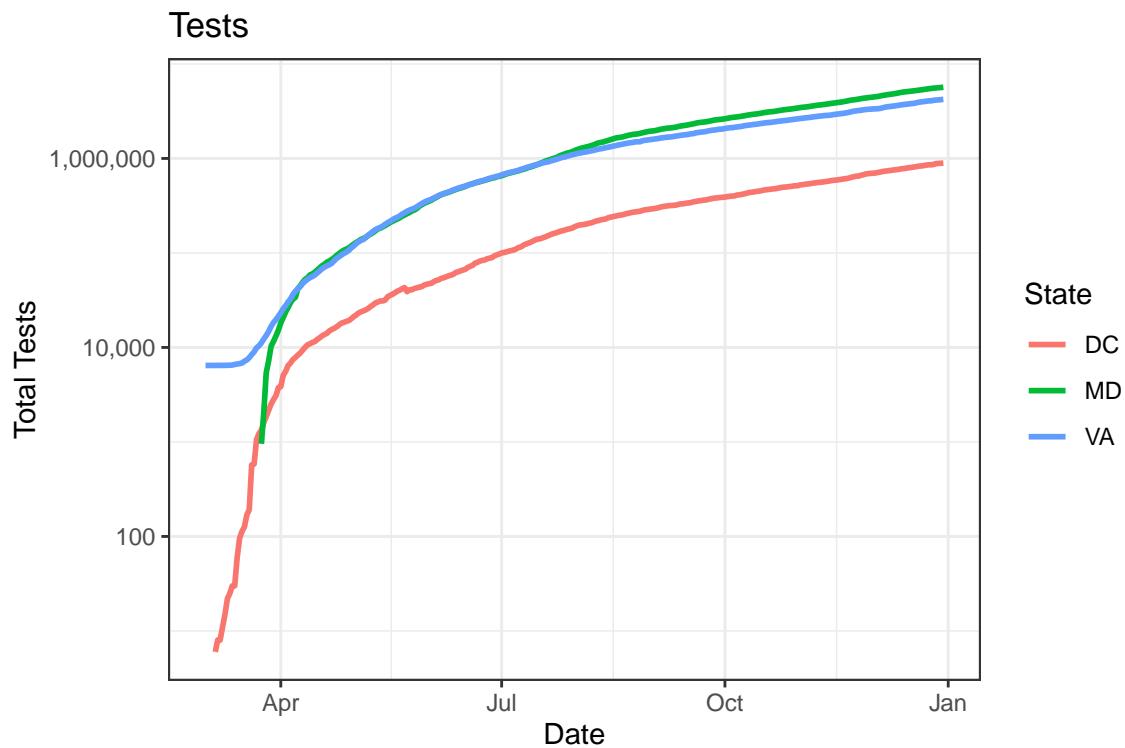


One-Week Change in Daily Cases

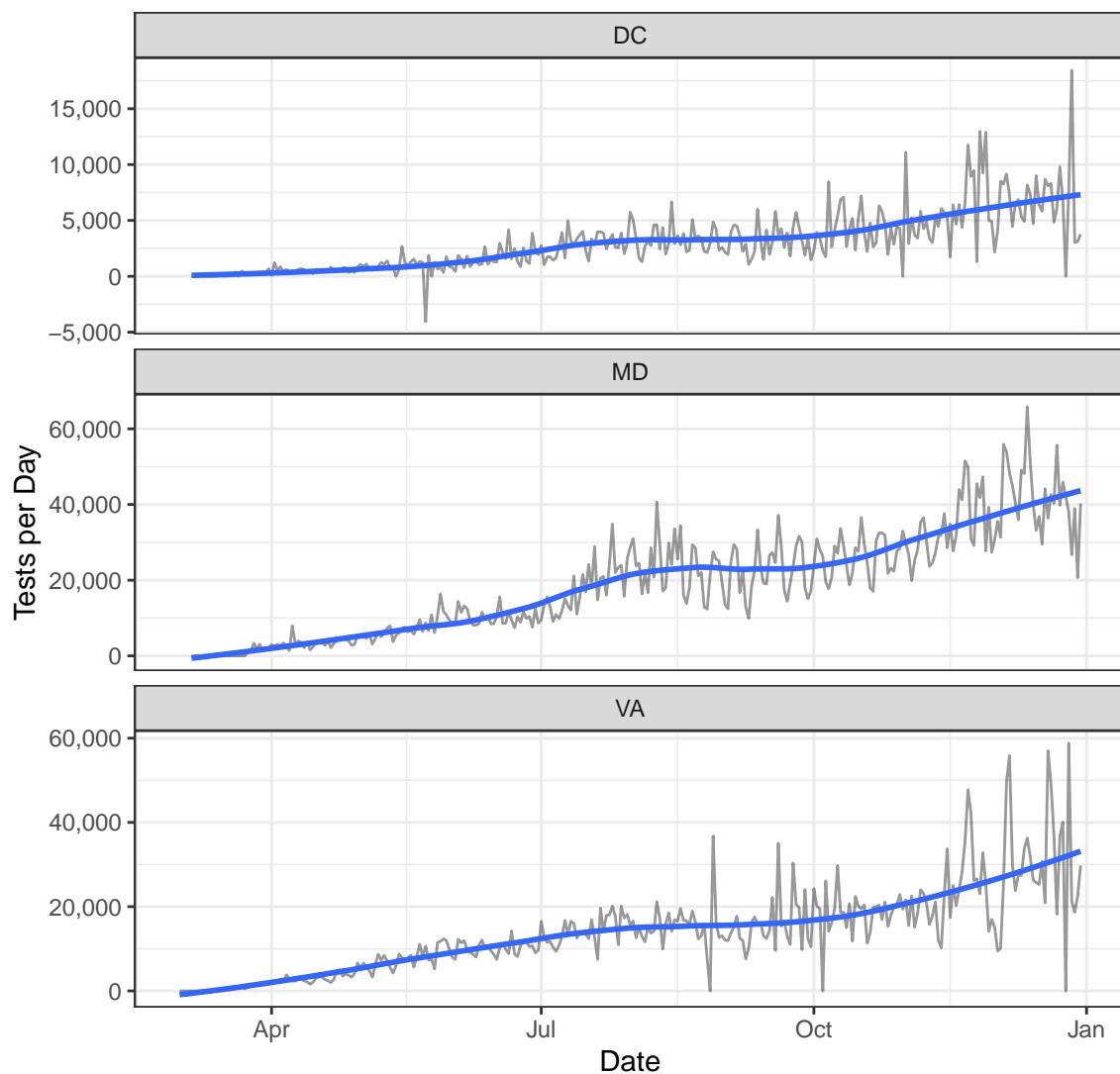




Testing



New Tests



Positive Test Rate

