

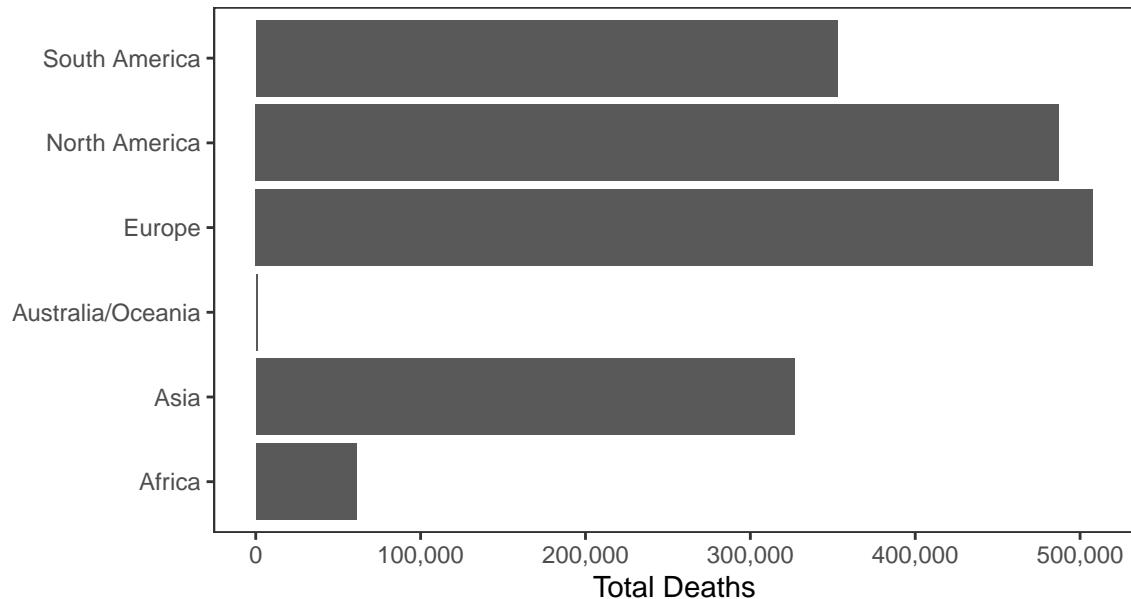
Erik's Covid-19 Chart Pack

Data updated 2020-12-24 08:20:44. 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 79,036,657 confirmed Covid-19 cases and 1,736,720 deaths worldwide.

Deaths



Cases

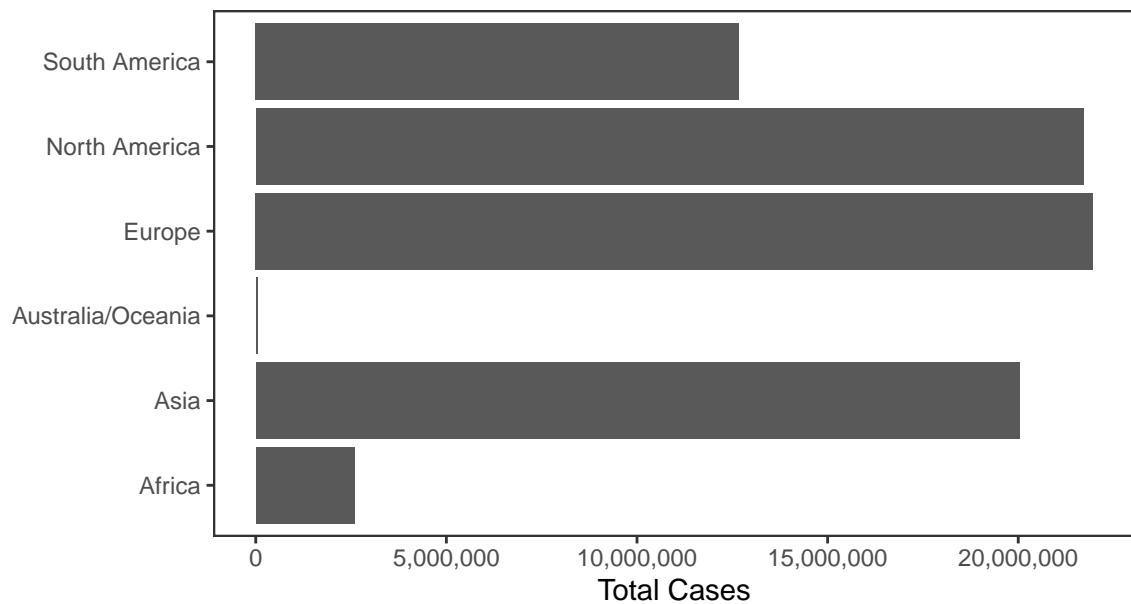
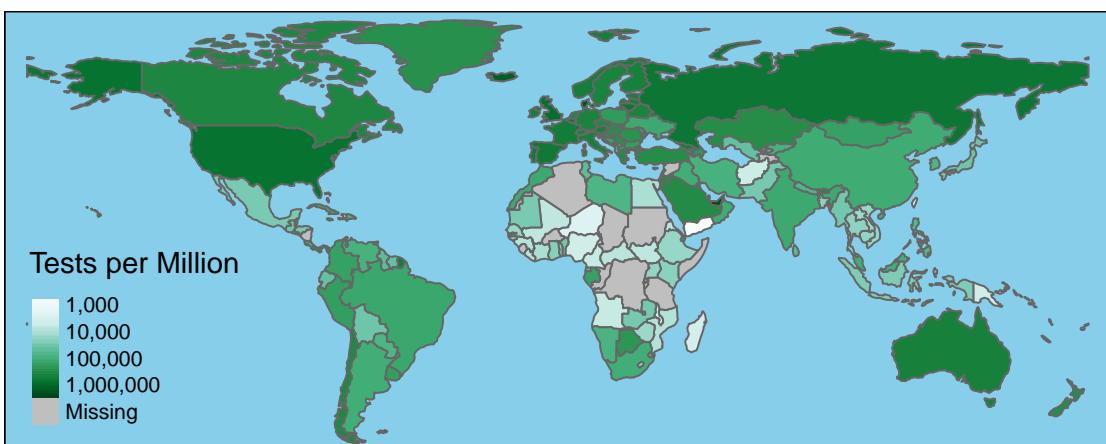
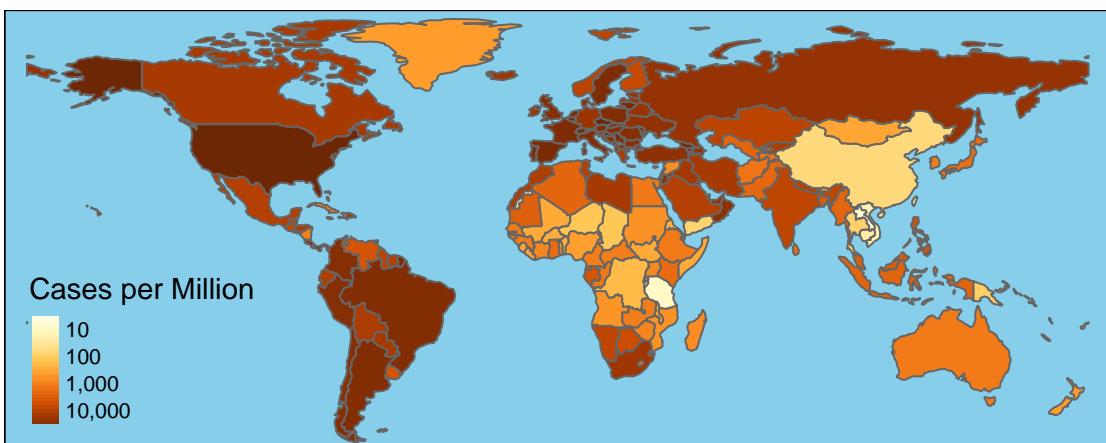
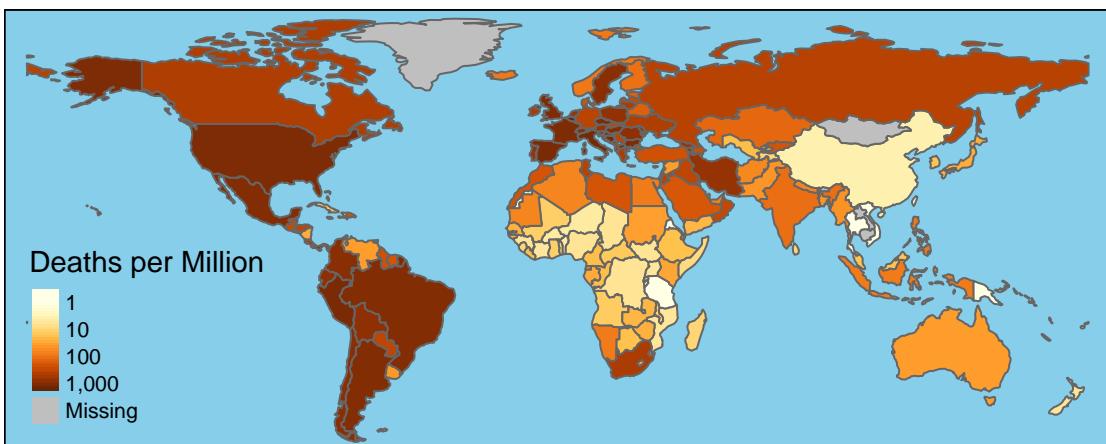


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	18,917,152	334,218	232,342	3,401
India	10,123,544	146,778	24,236	302
Brazil	7,366,677	189,264	46,657	979
Russia	2,933,753	52,461	27,250	549
France	2,505,875	61,978	14,929	276
UK	2,149,551	69,051	39,237	744
Turkey	2,082,610	18,861	19,650	259
Italy	1,991,278	70,395	14,522	553
Spain	1,847,874	49,698	9,220	178
Germany	1,587,908	29,127	31,297	886
Argentina	1,563,865	42,314	8,586	60
Colombia	1,544,826	41,174	14,233	243
Mexico	1,338,426	119,495	12,511	897
Poland	1,226,883	26,255	12,361	472
Iran	1,177,004	54,156	6,261	153
Peru	1,002,263	37,273	2,110	55
Ukraine	989,642	17,172	10,136	275
South Africa	954,258	25,657	14,046	411
Netherlands	721,071	10,737	10,388	104
Indonesia	685,639	20,408	7,514	151



National Data

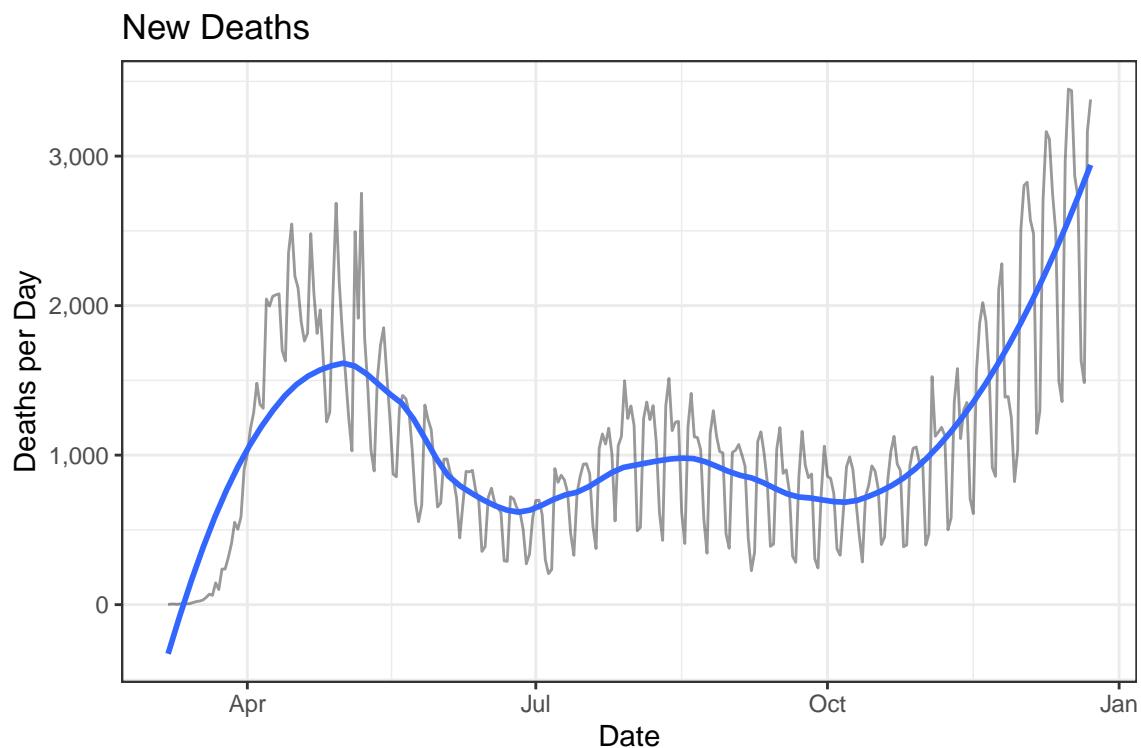
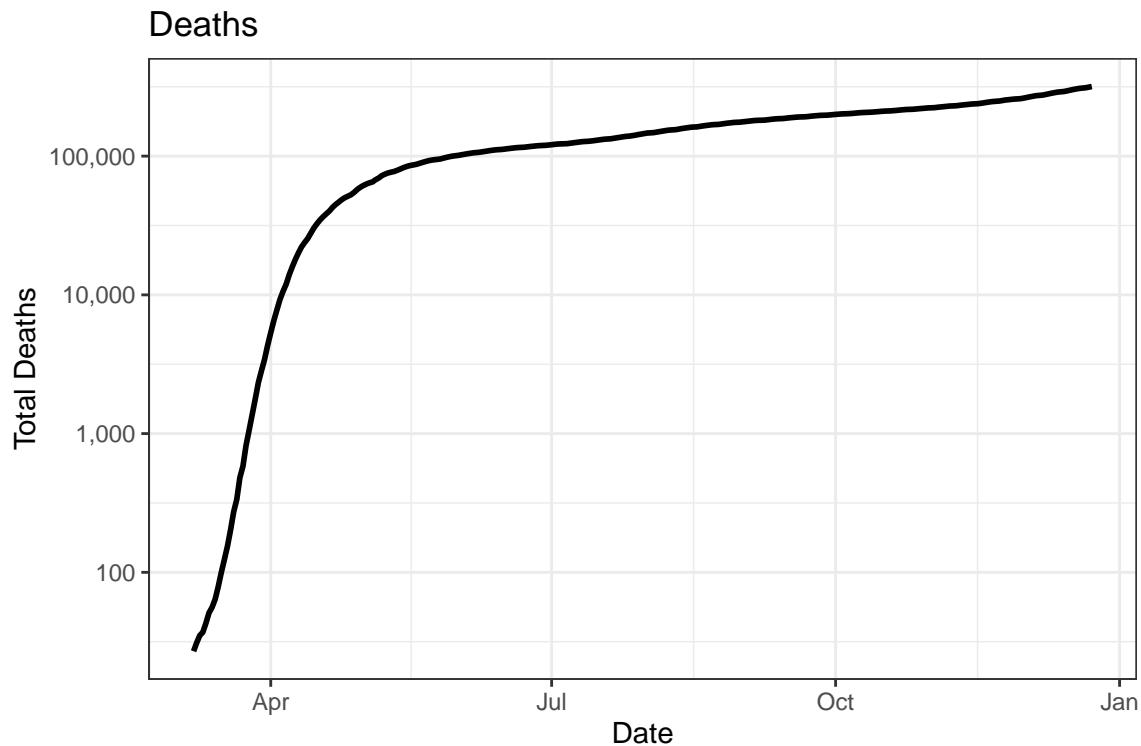
There have been 18,238,850 confirmed Covid-19 cases and 317,513 deaths in the United States.

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

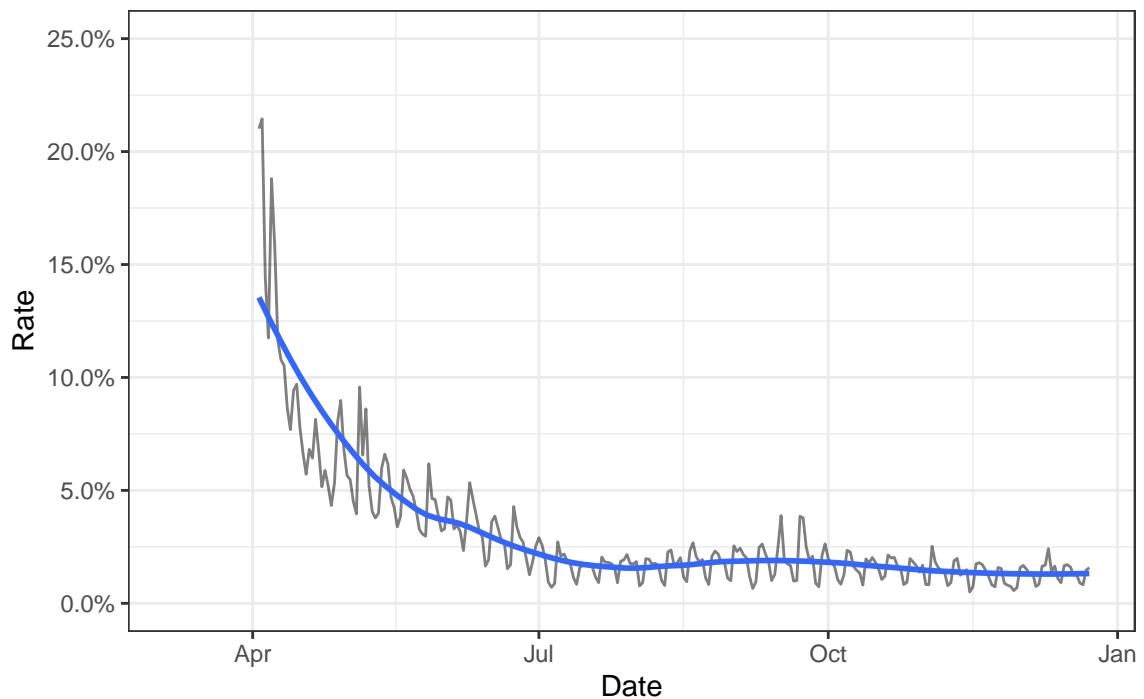
Date	Cases	Deaths	New Cases	New Deaths
2020-12-23	18,238,850	317,513	220,834	3,379
2020-12-22	18,018,016	314,134	189,932	3,166
2020-12-21	17,828,084	310,968	178,191	1,485
2020-12-20	17,649,893	309,483	196,017	1,633
2020-12-19	17,453,876	307,850	202,812	2,723
2020-12-18	17,251,064	305,127	239,246	2,866
2020-12-17	17,011,818	302,261	240,156	3,438
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

Deaths

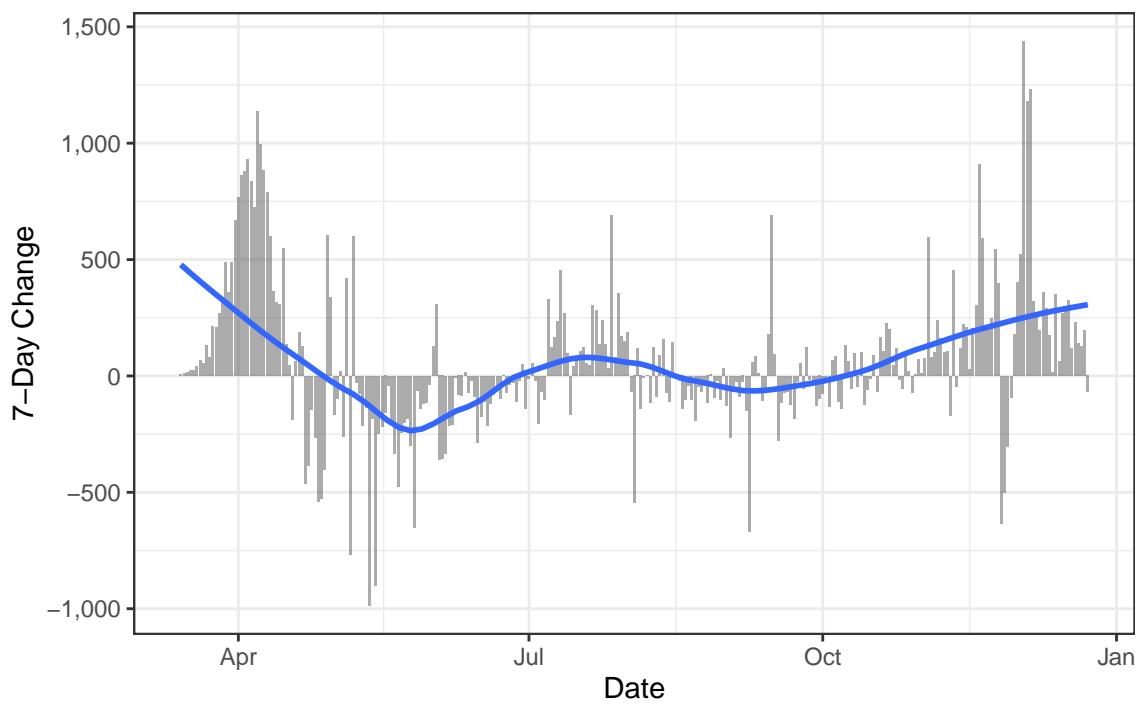
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

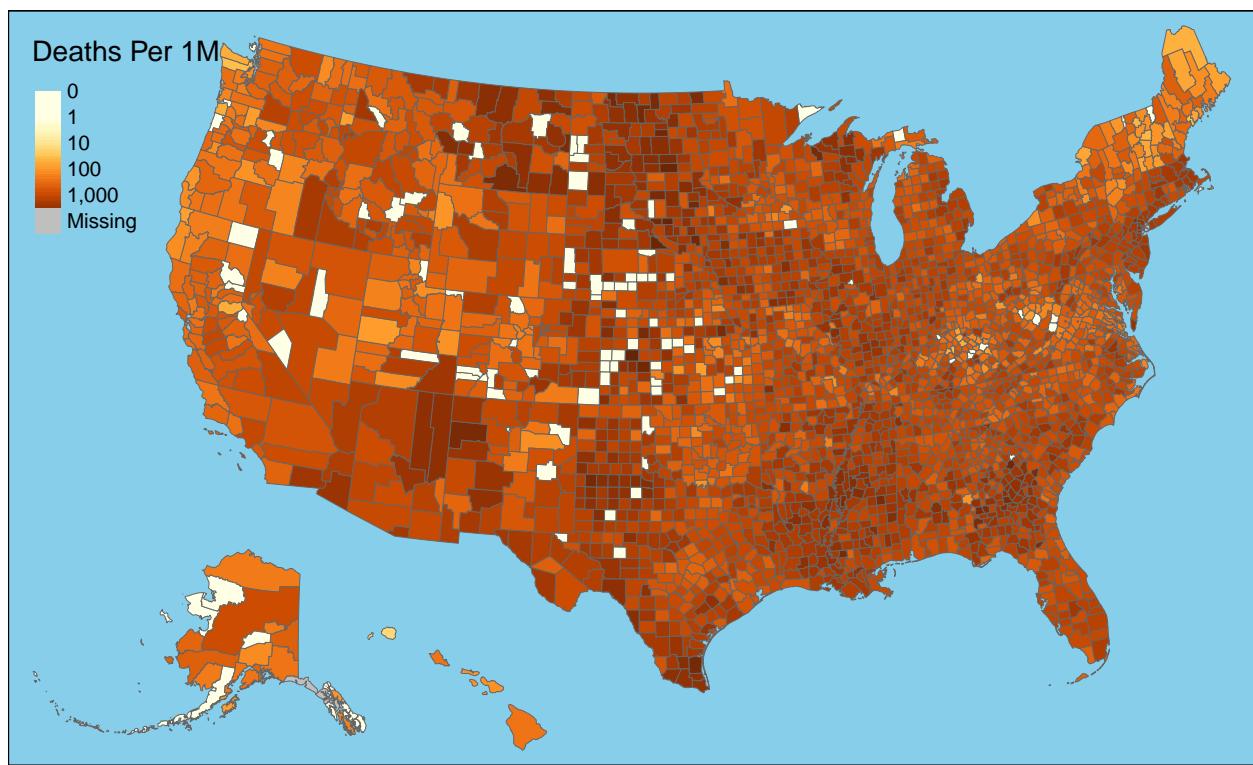


Daily Case Mortality Rate



One-Week Change in Daily Deaths

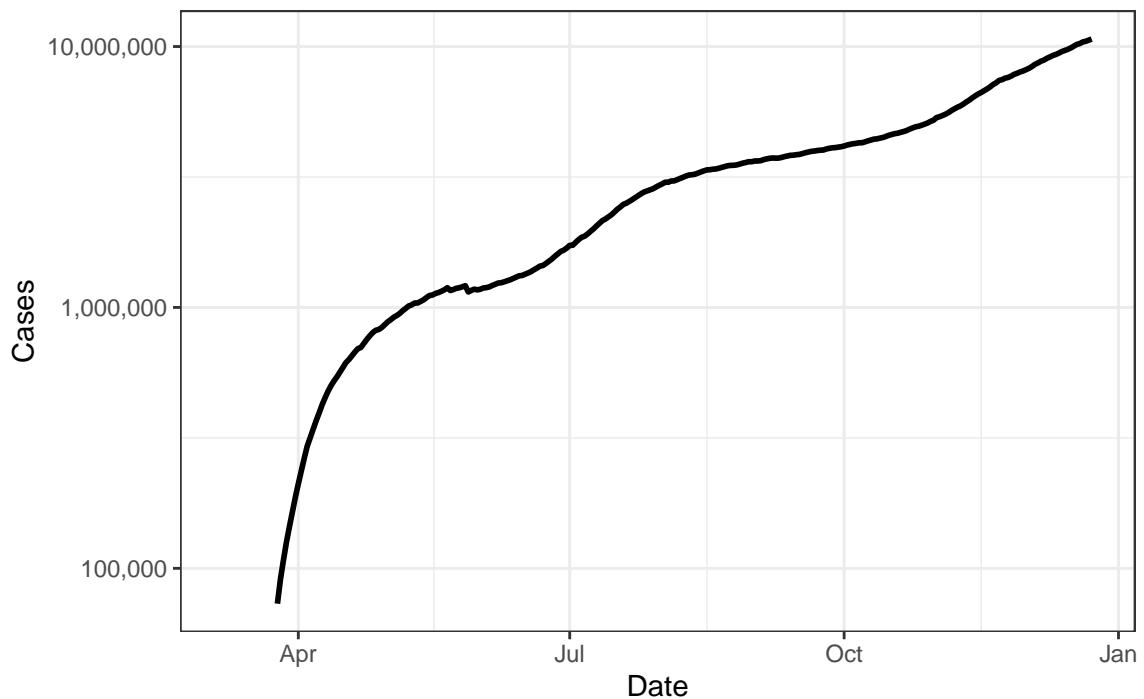




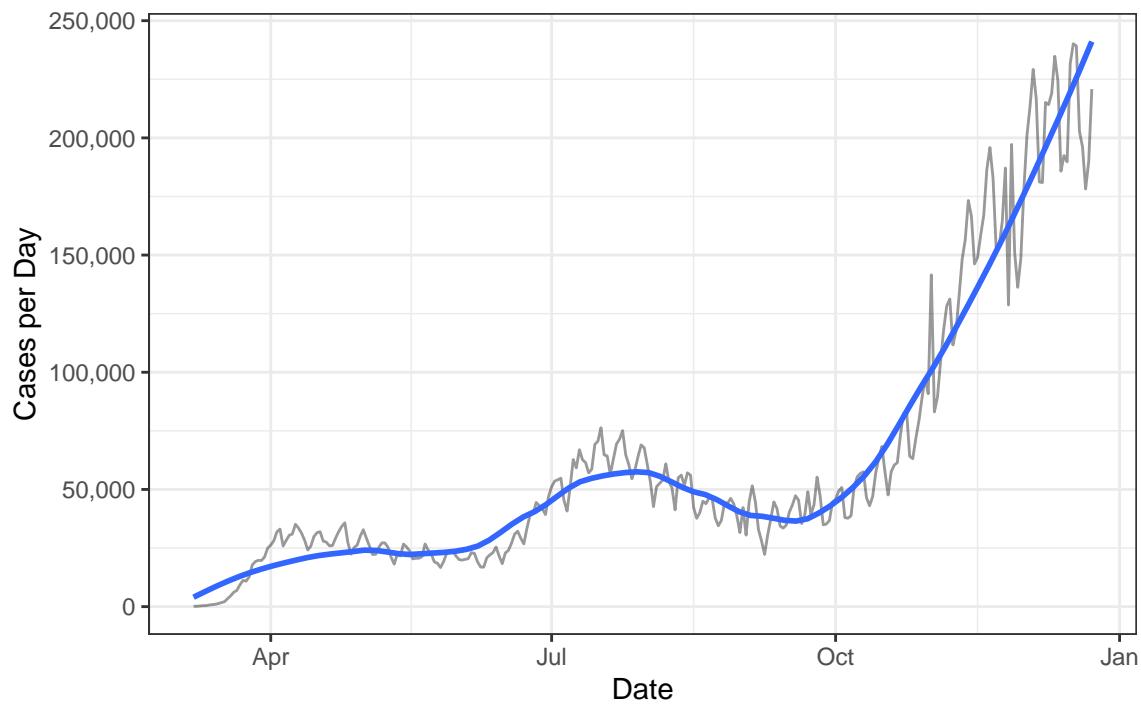
Cases

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

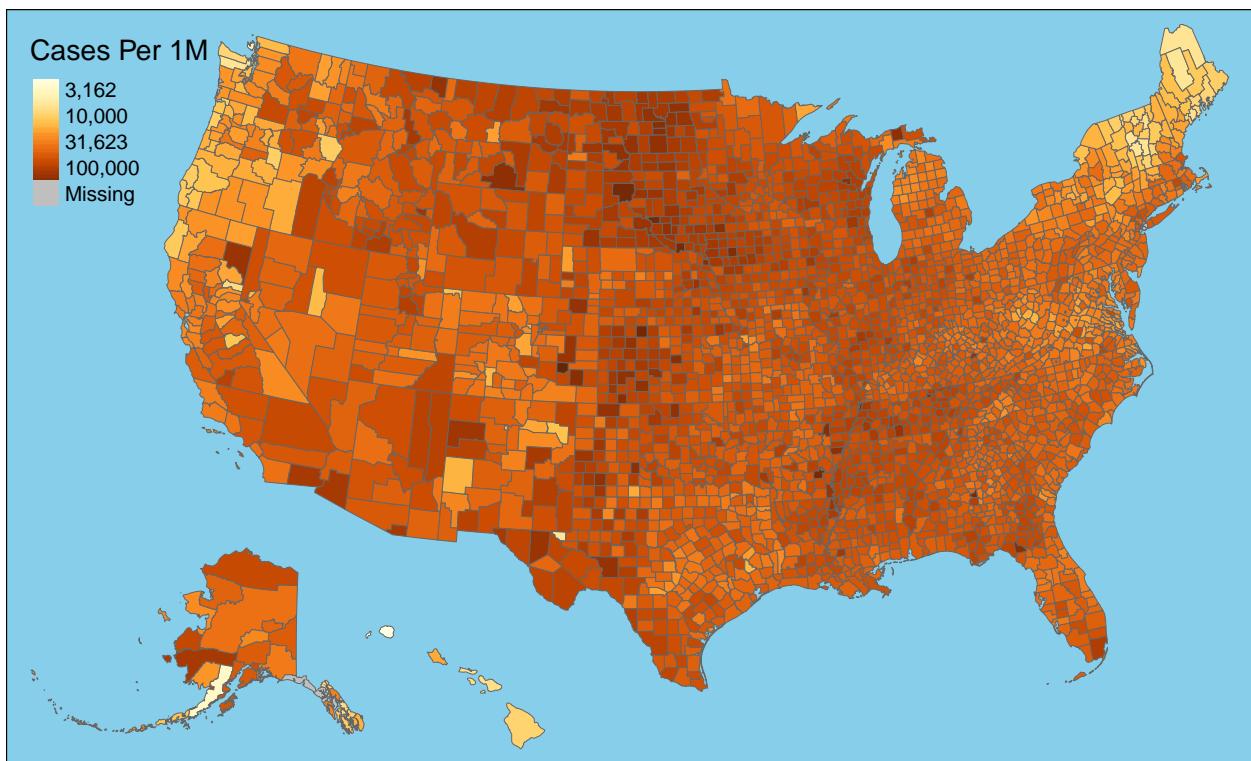
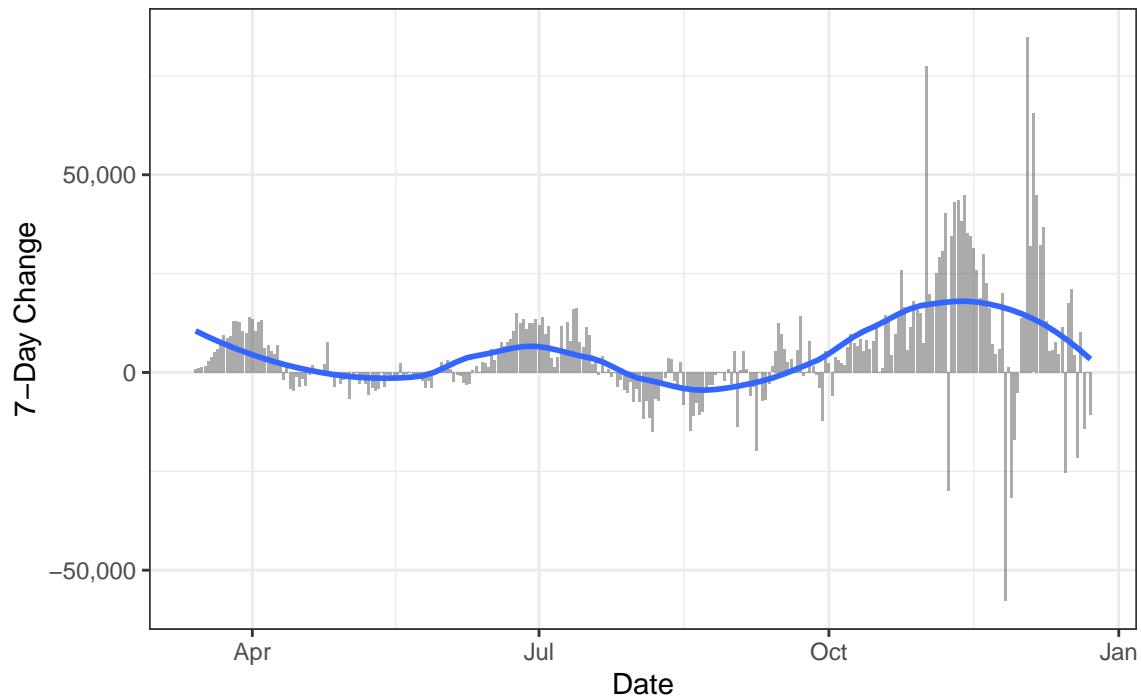
Active Cases



New Cases

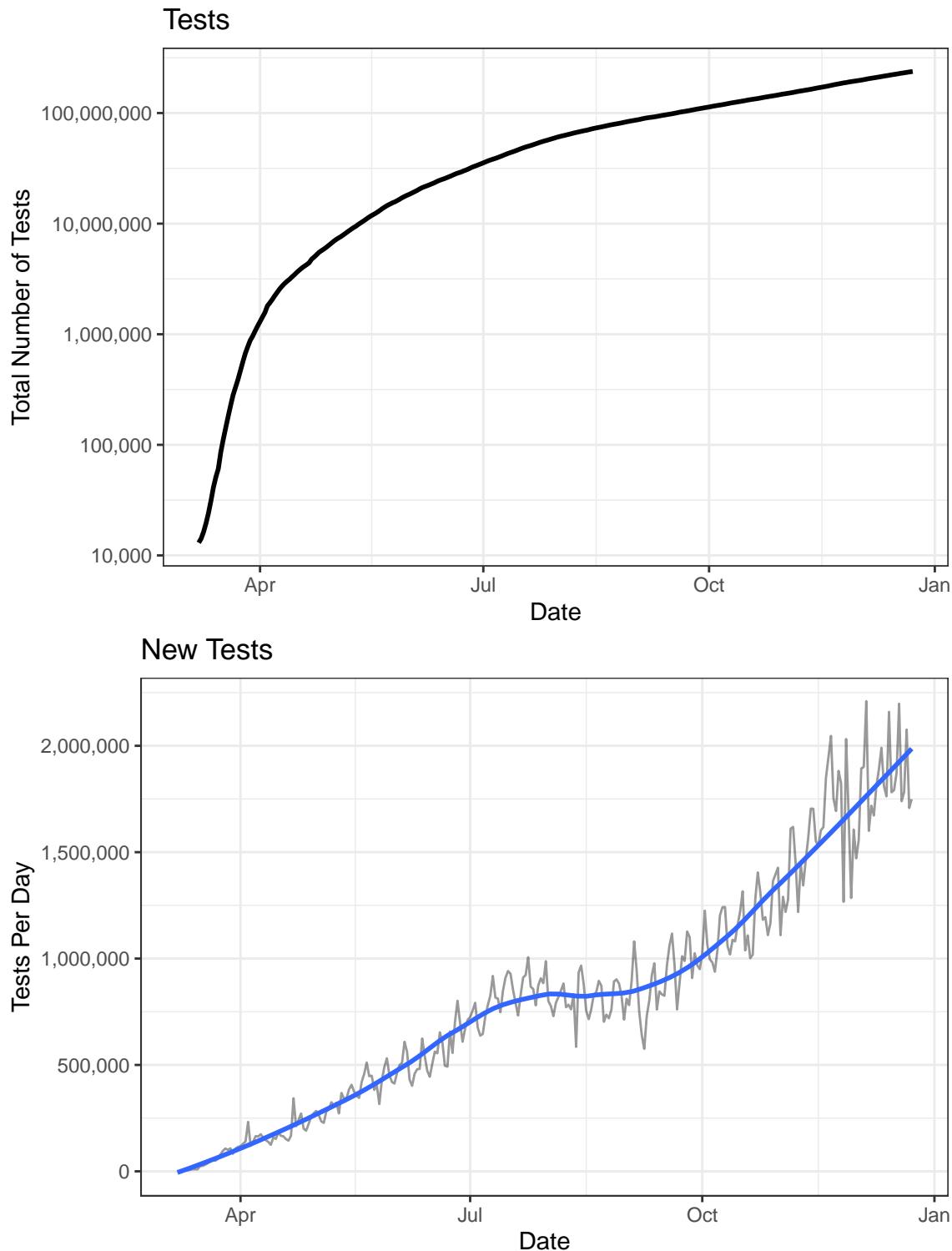


One-Week Change in Daily Cases

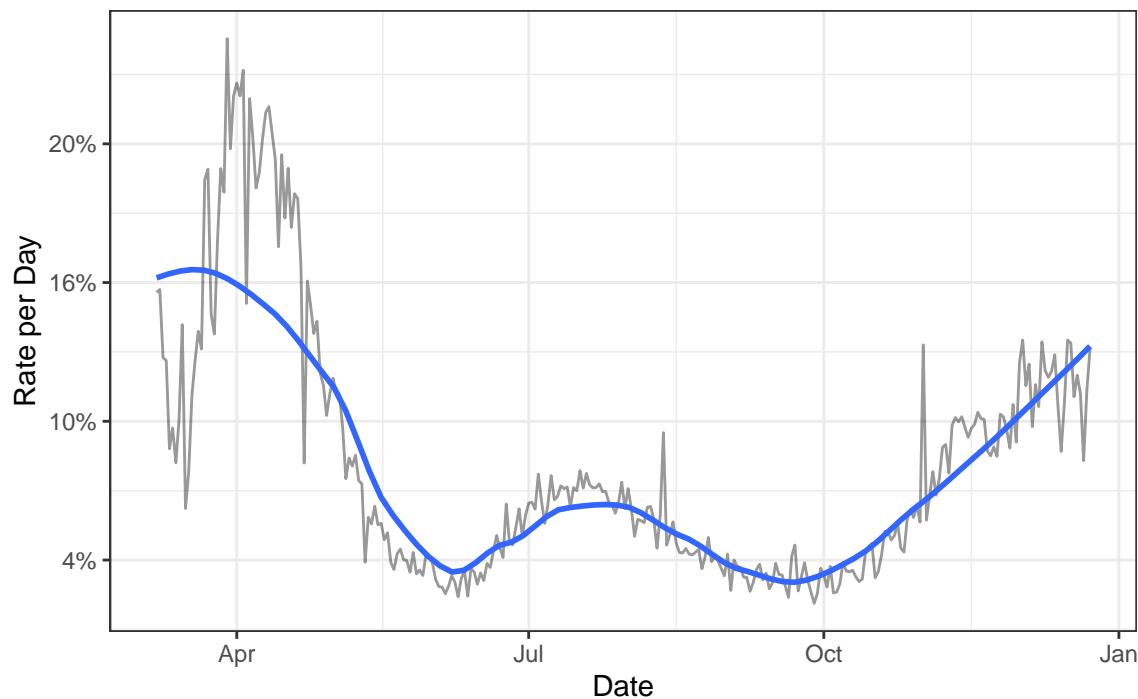


Testing

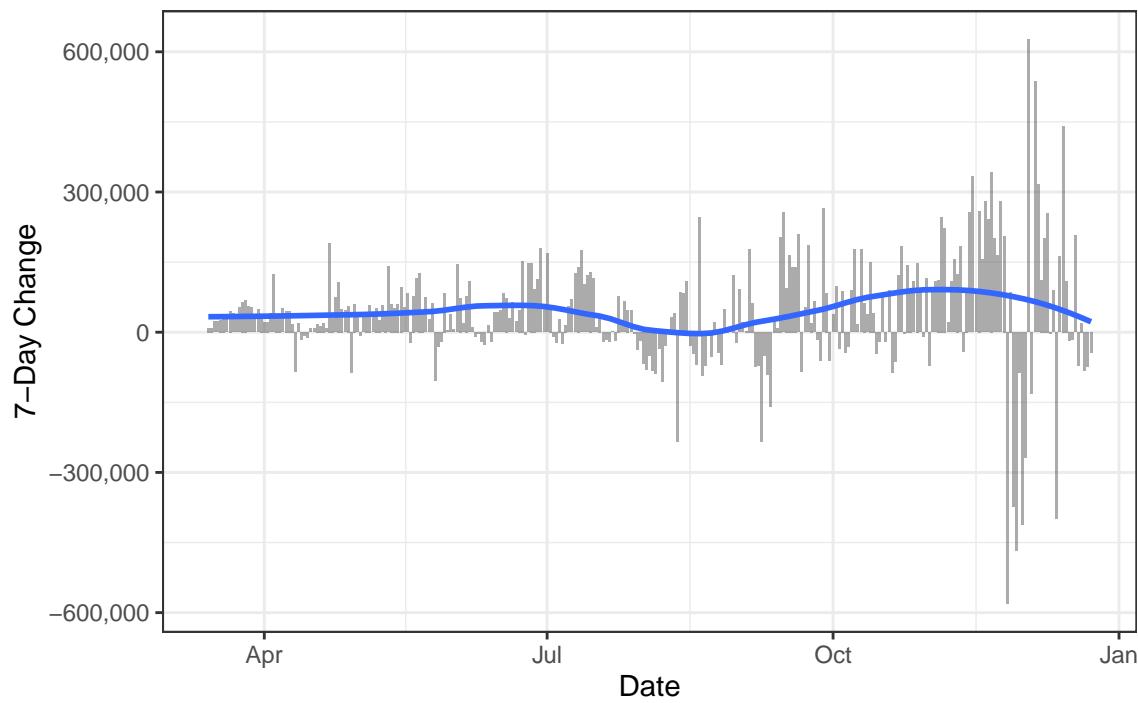
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



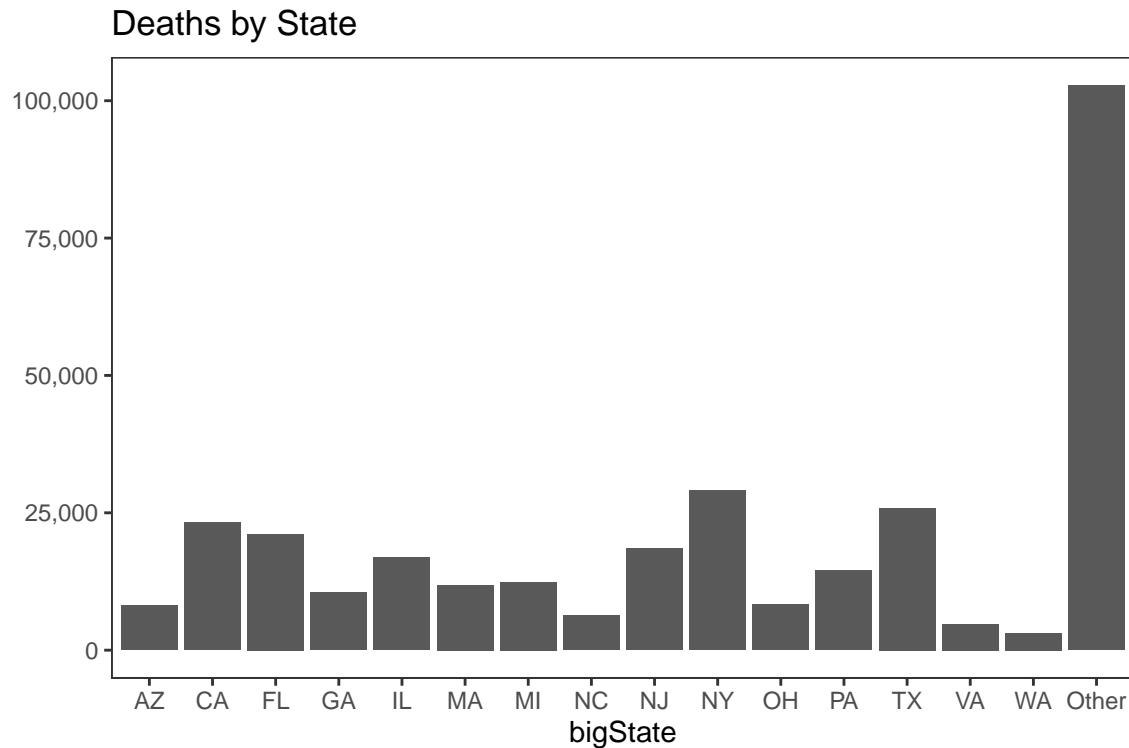
One-Week Change in Daily Tests



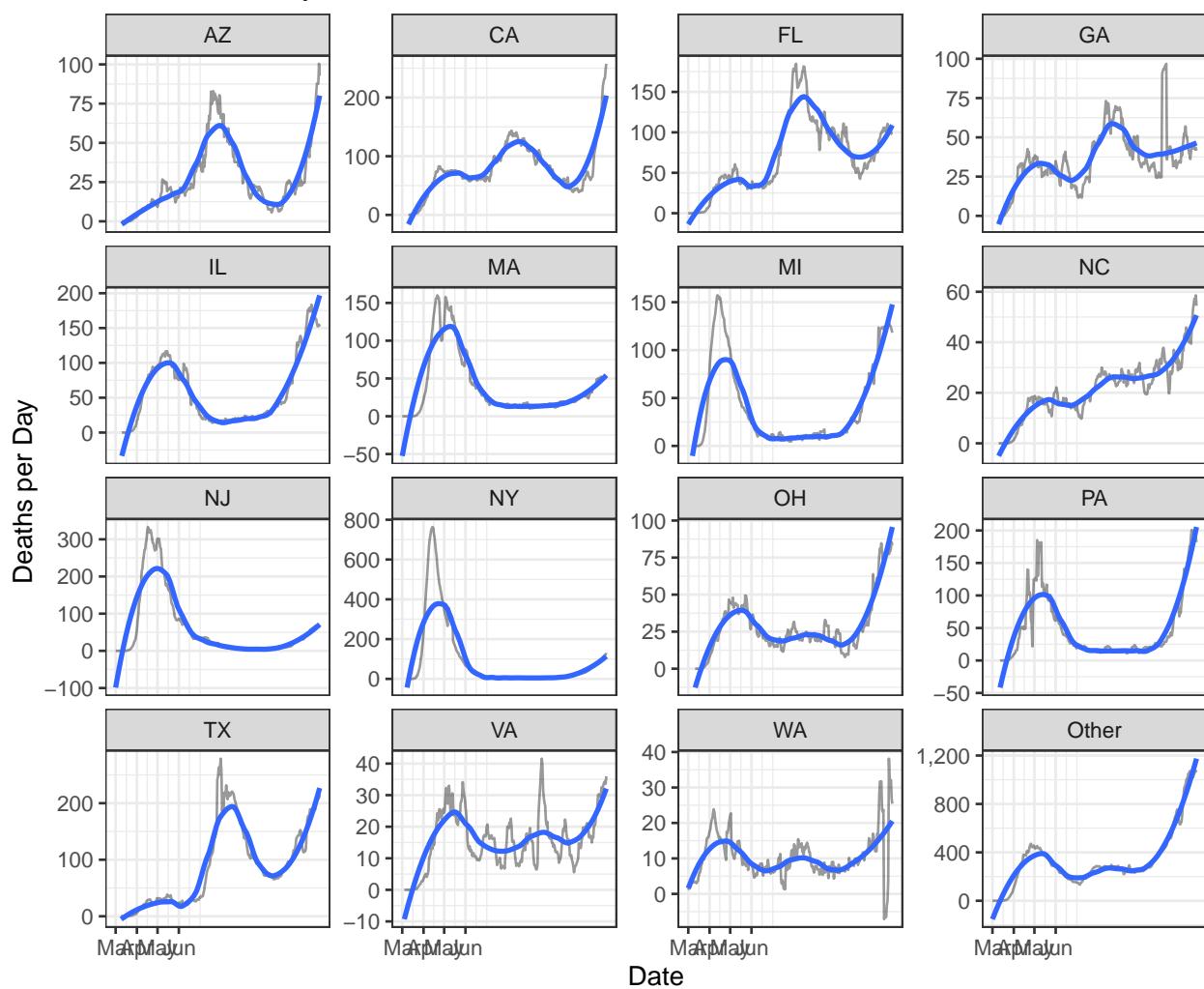
State Data

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.

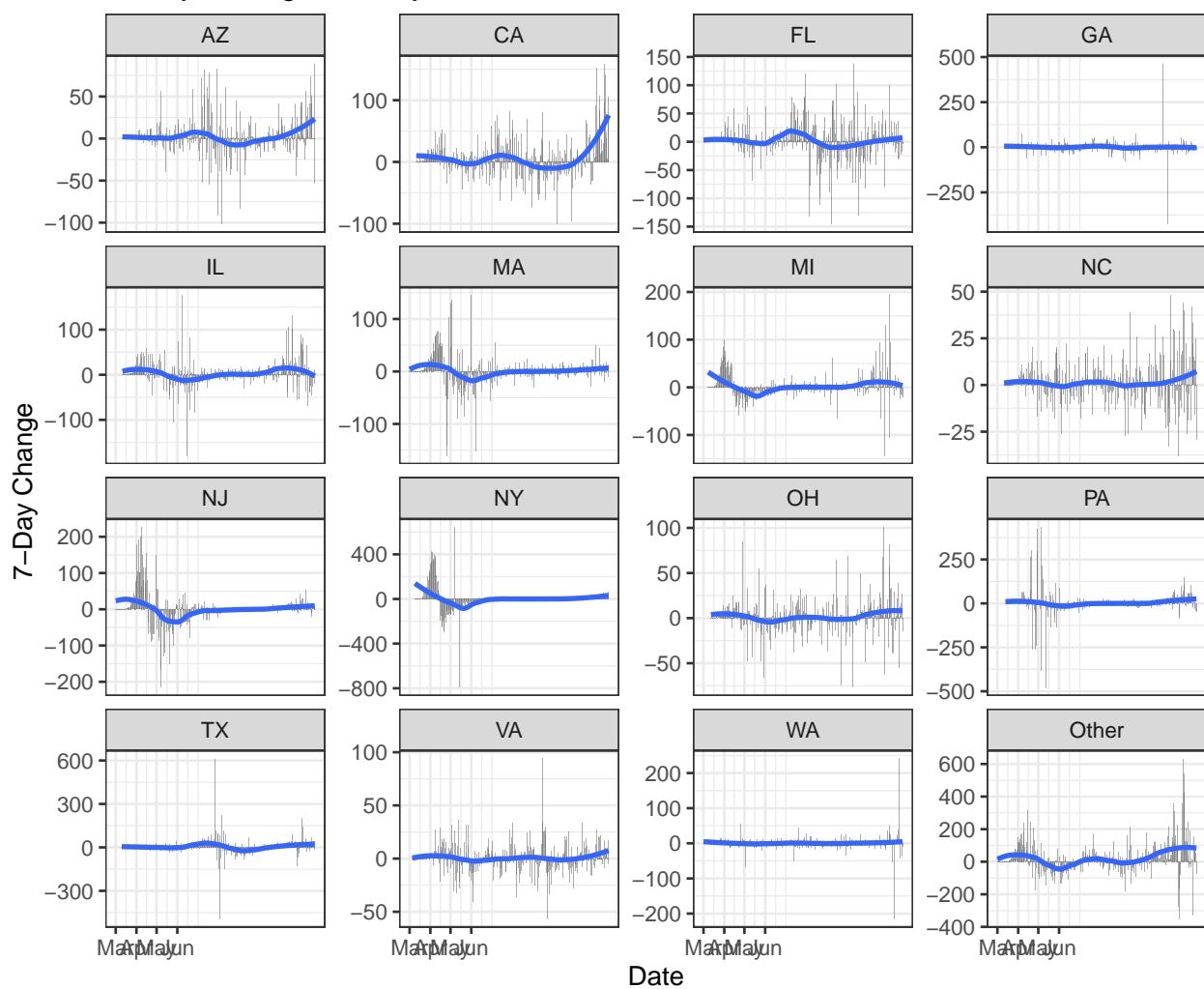
Deaths

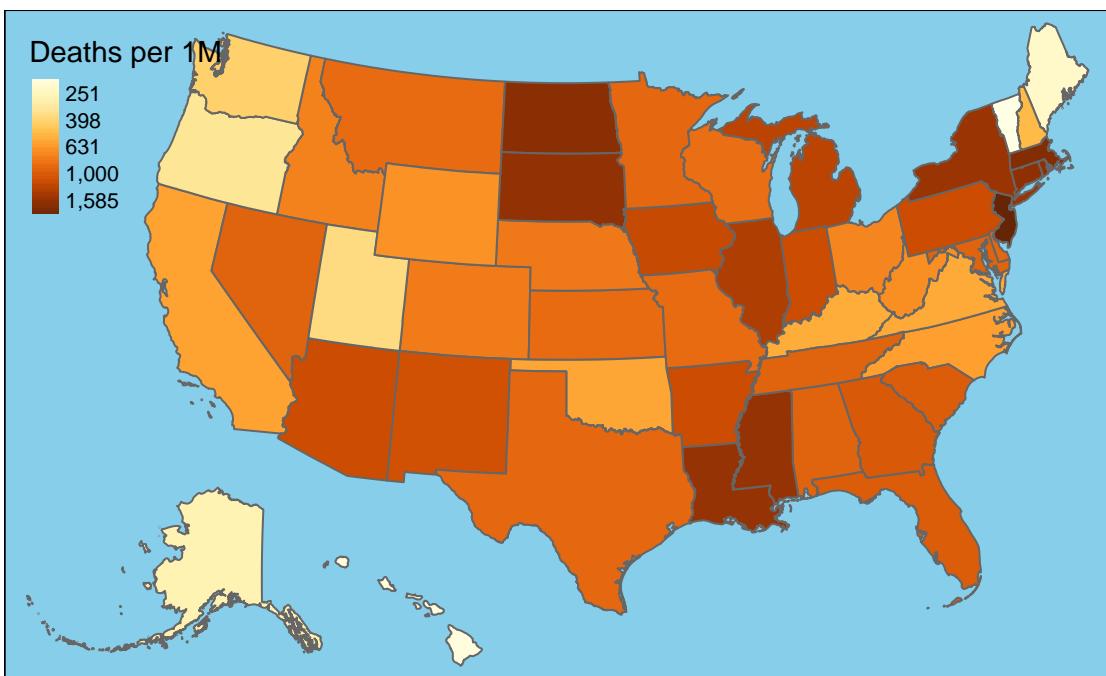
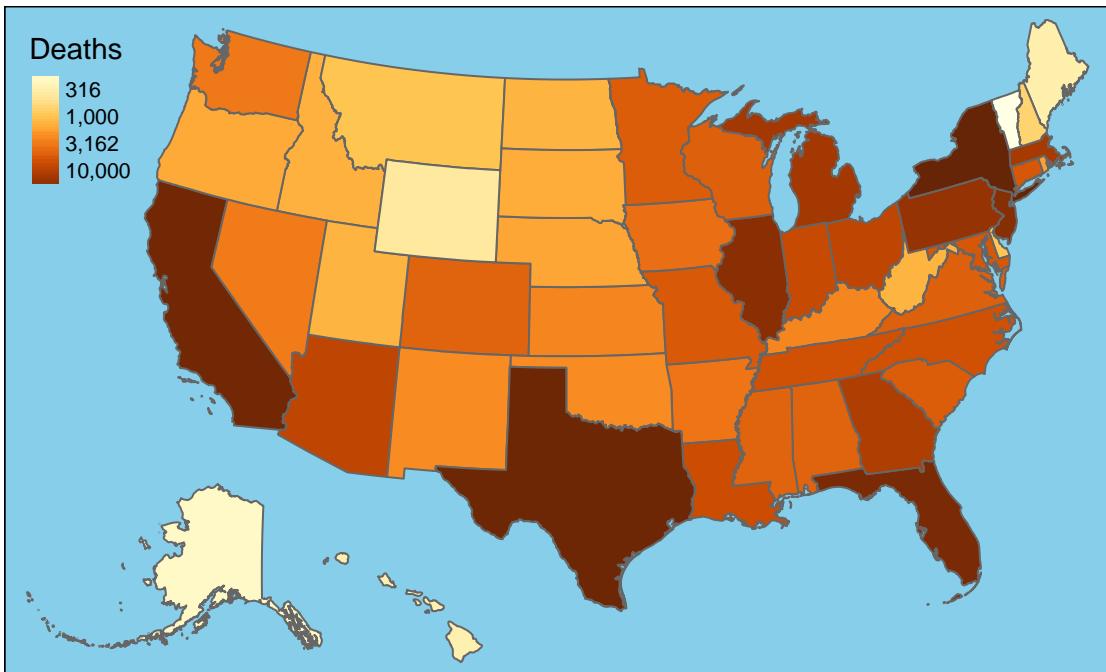


New Deaths by State



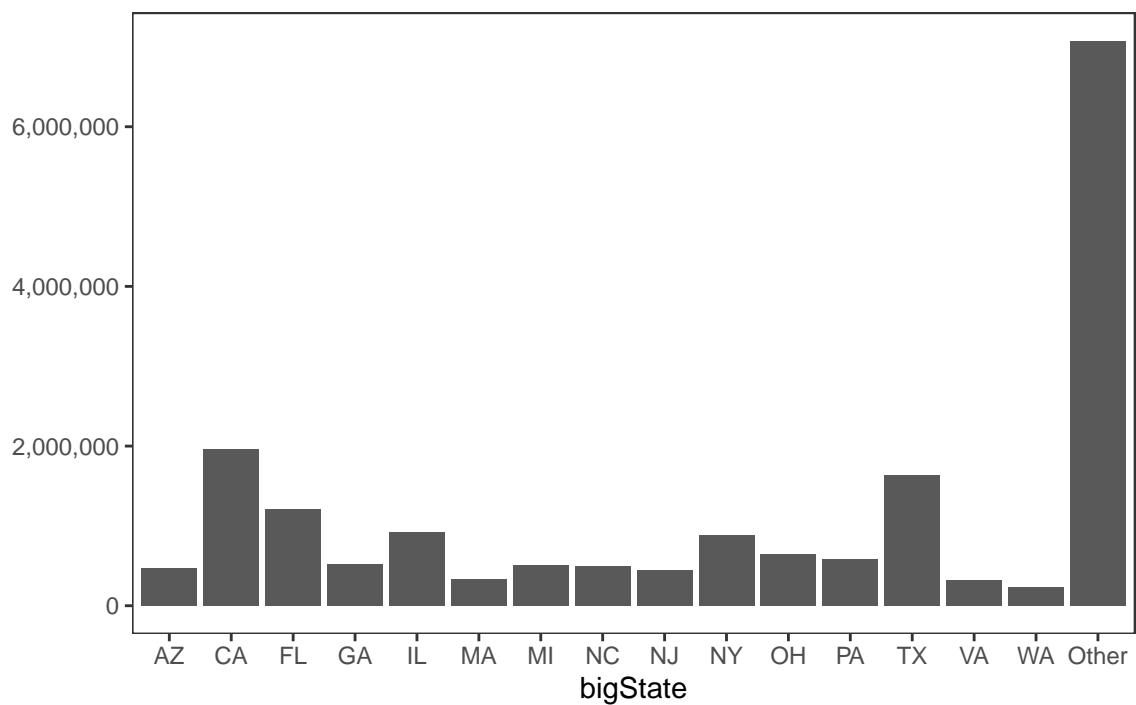
7-Day Change in Daily Deaths



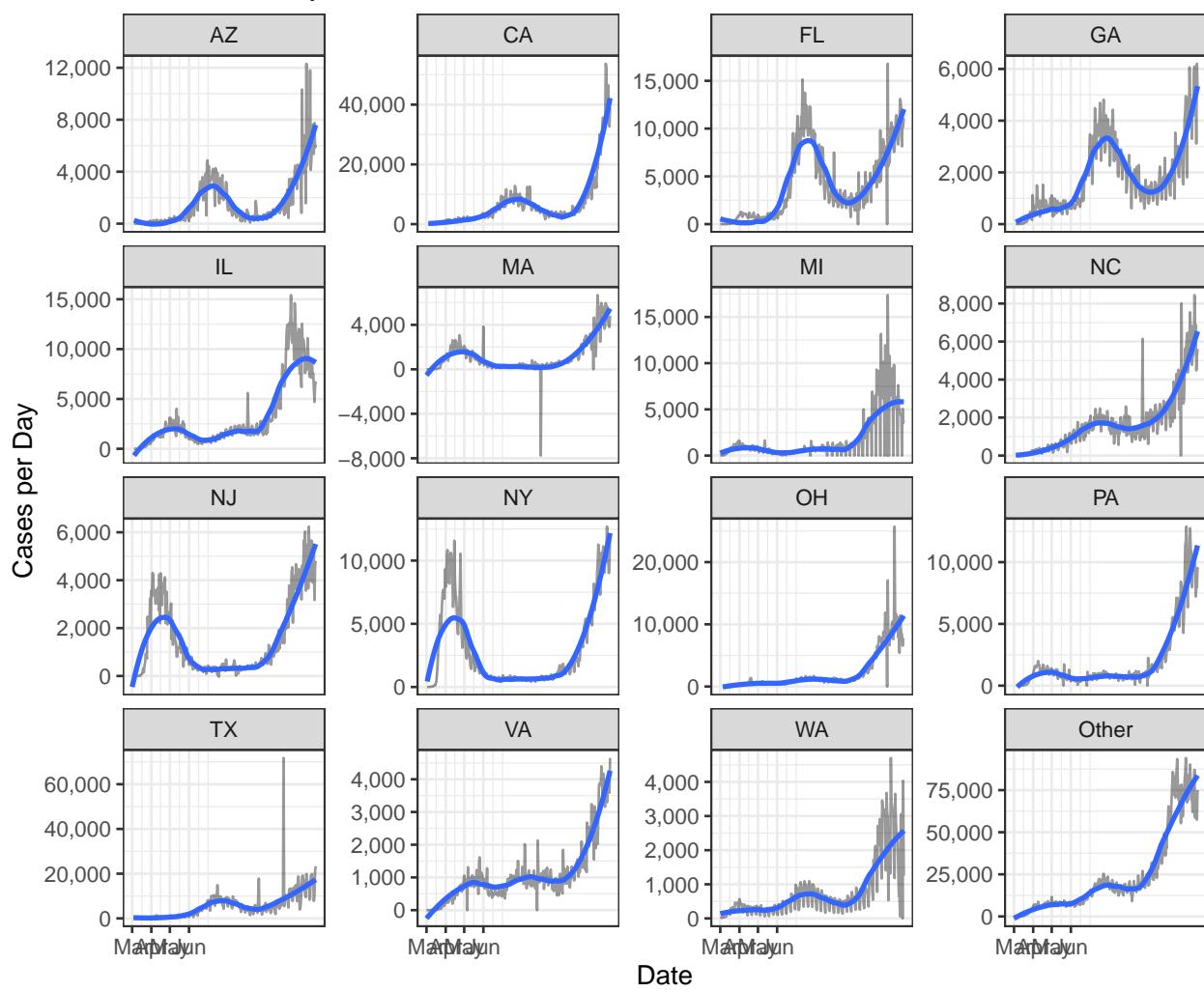


Cases

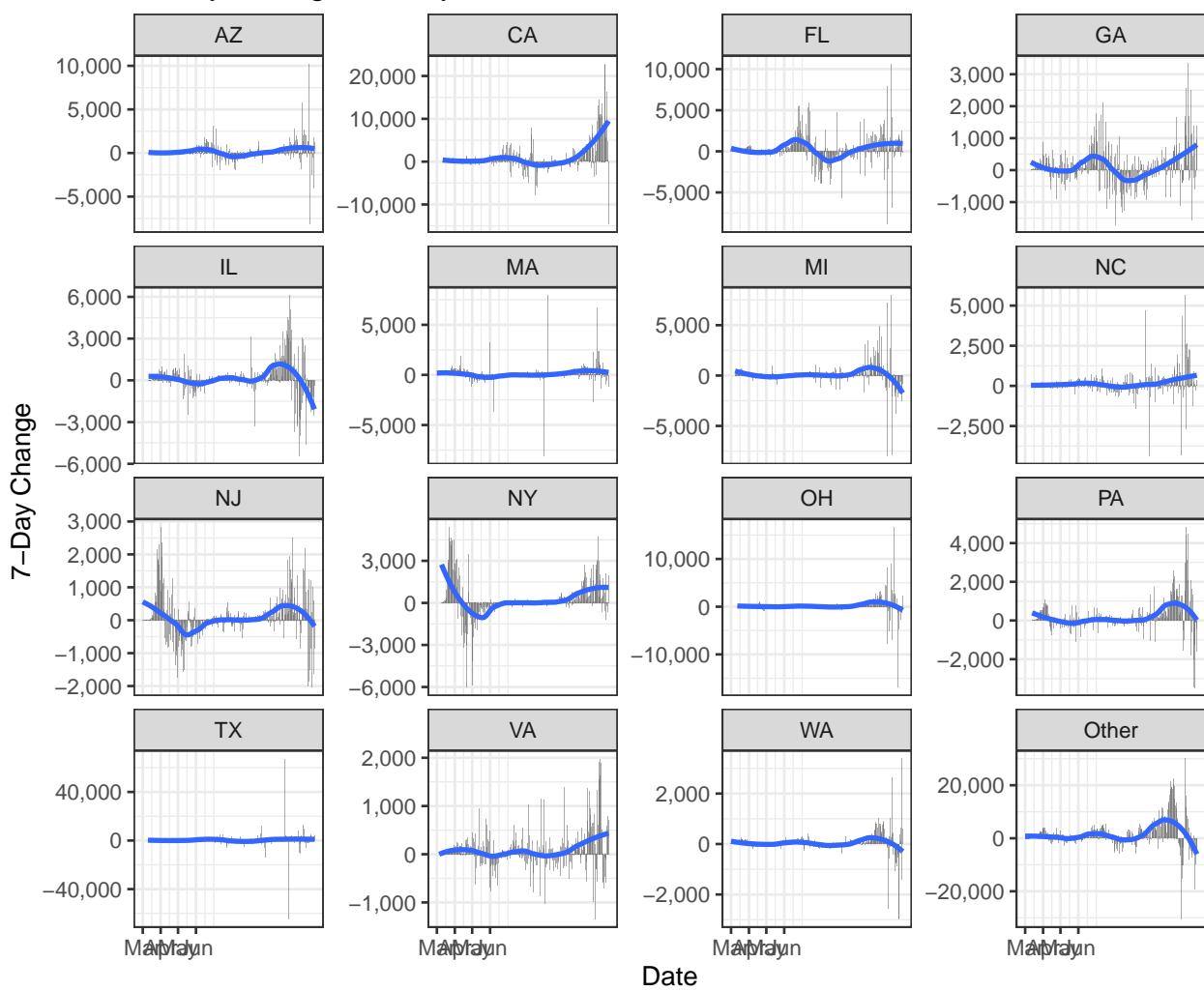
Cases by State

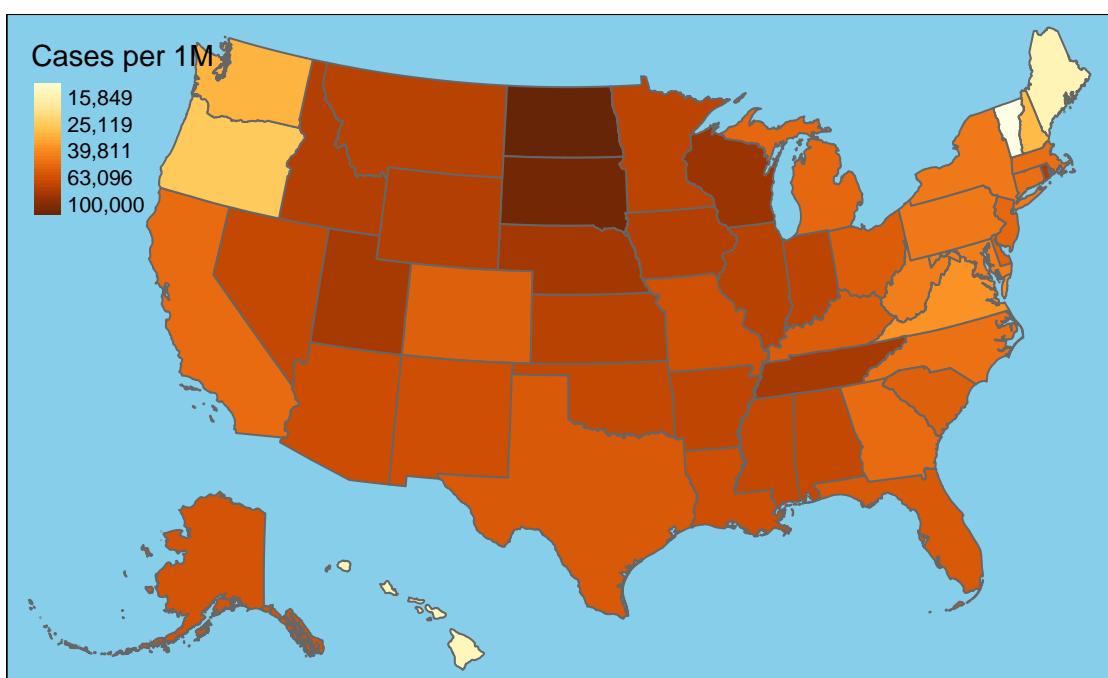
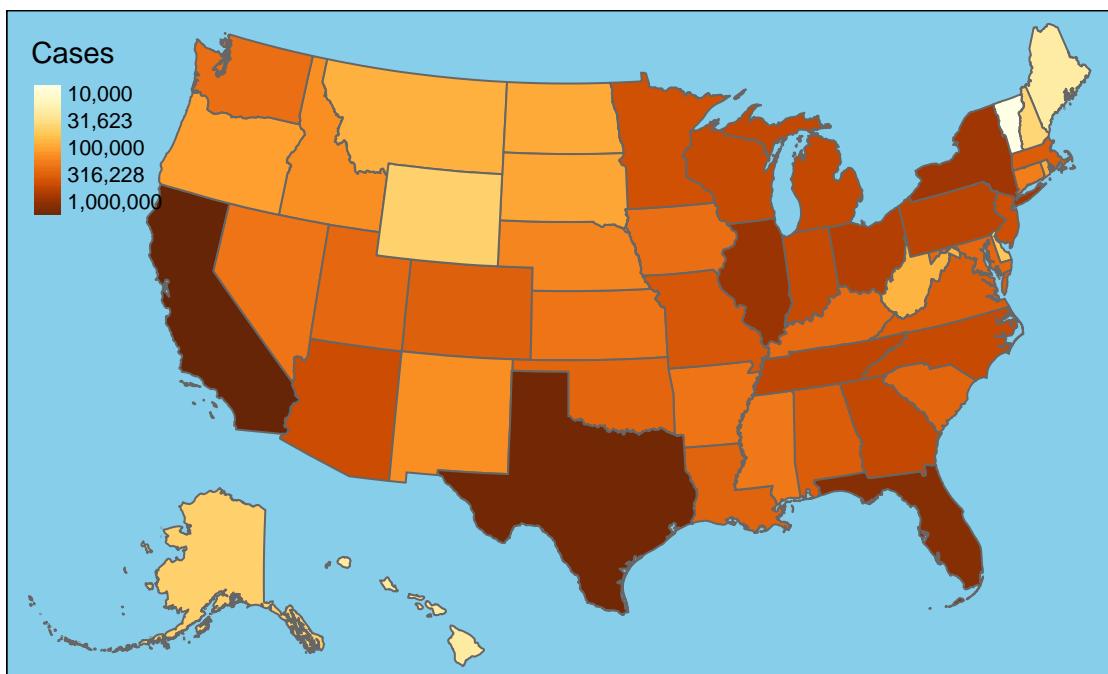


New Cases by State

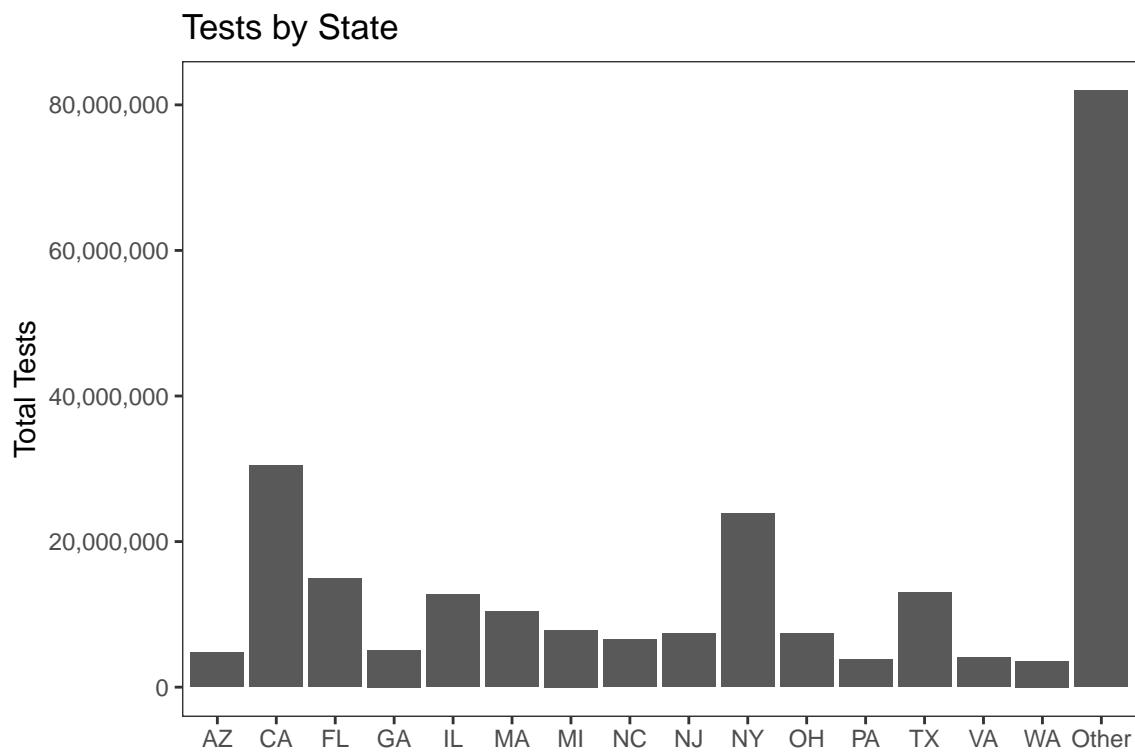


7-Day Change in Daily Cases

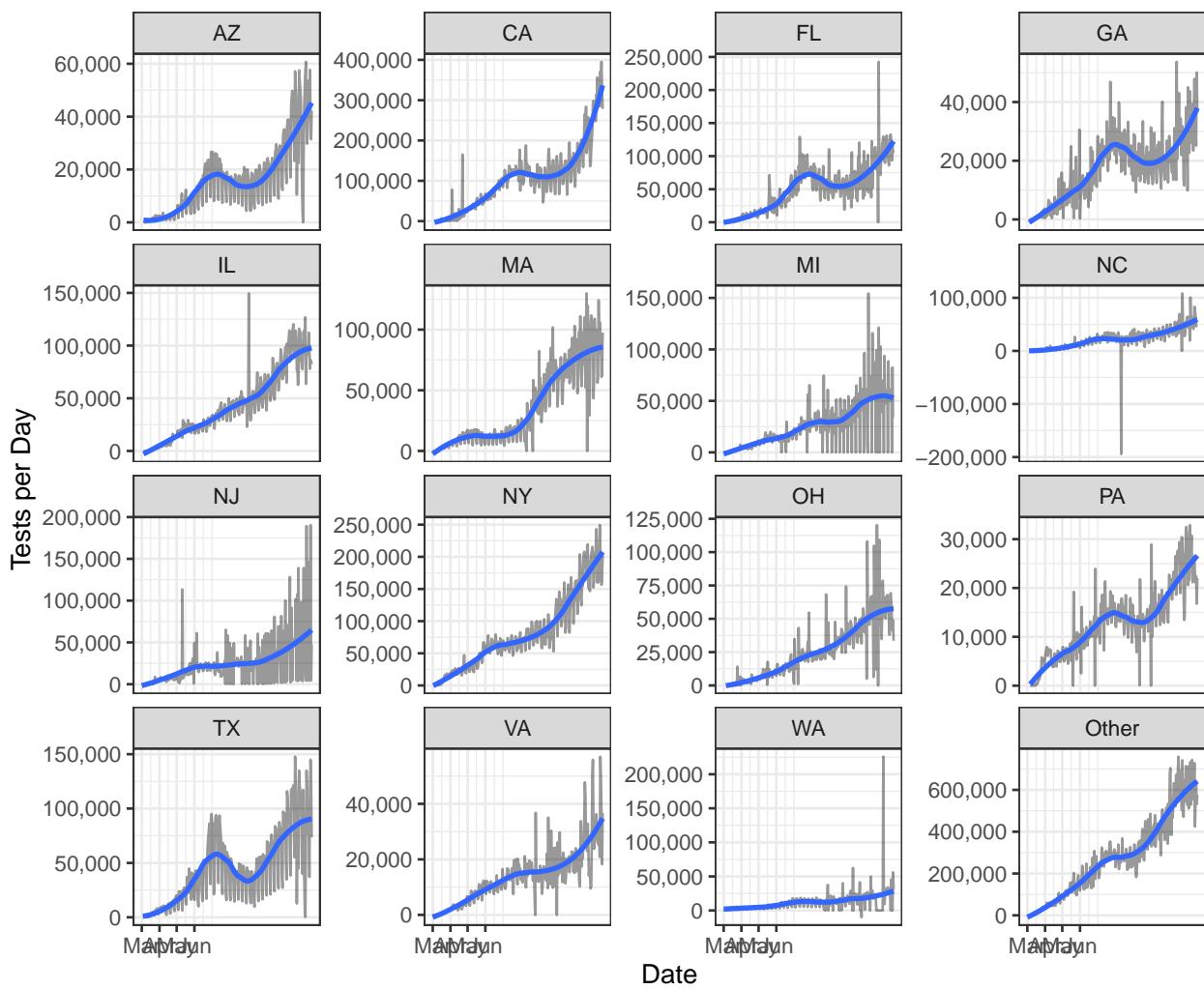


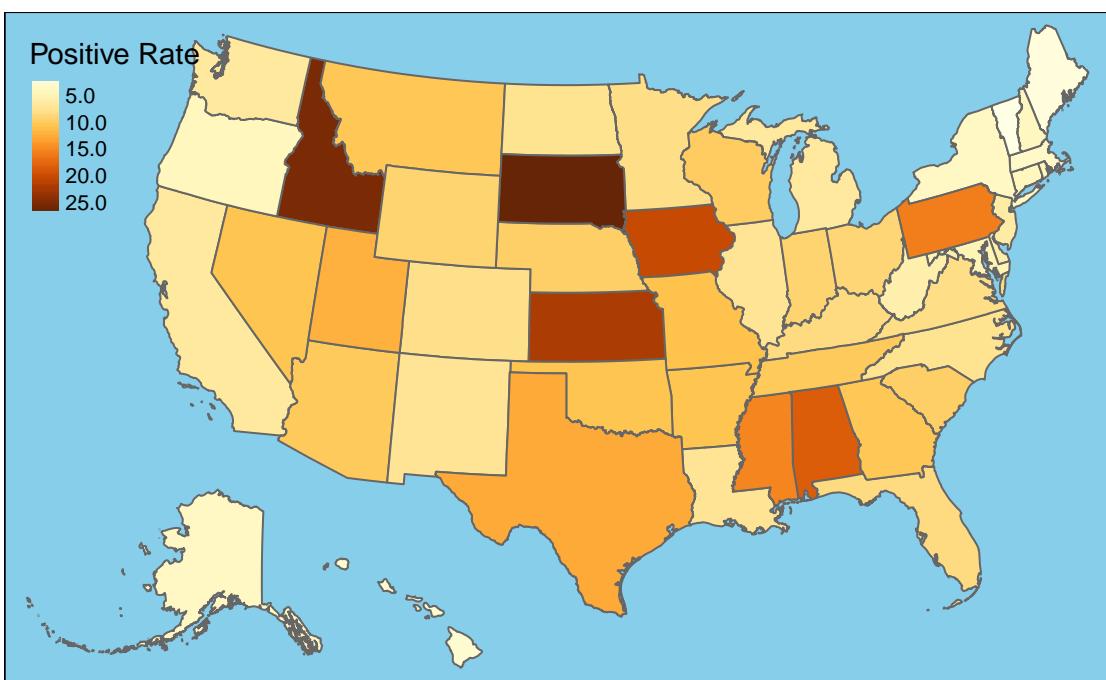
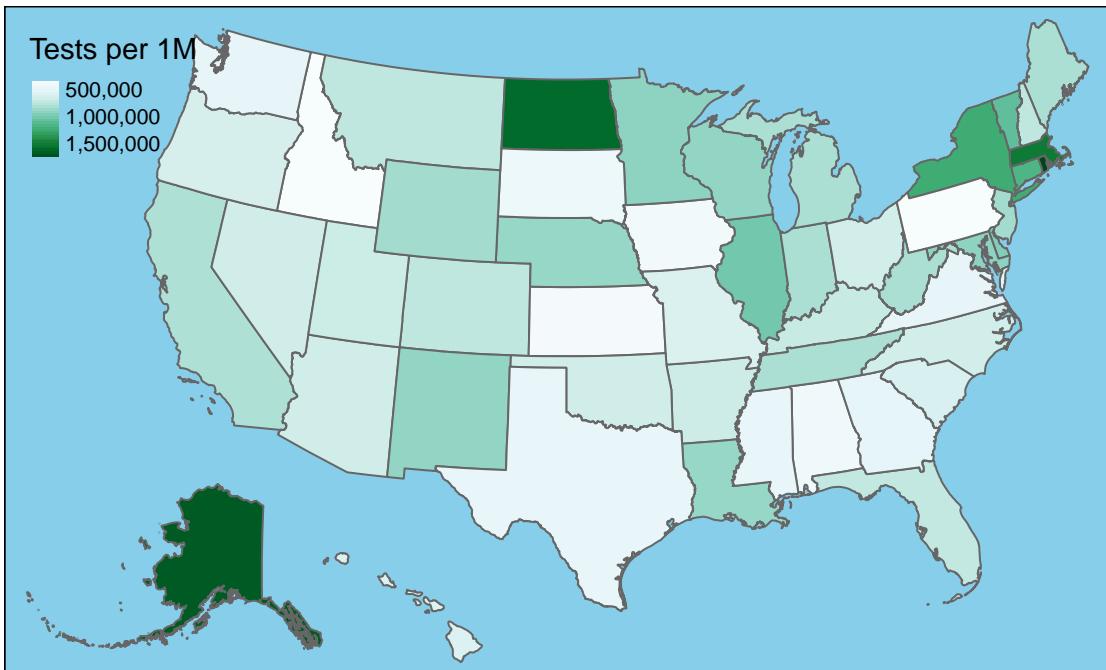


Testing



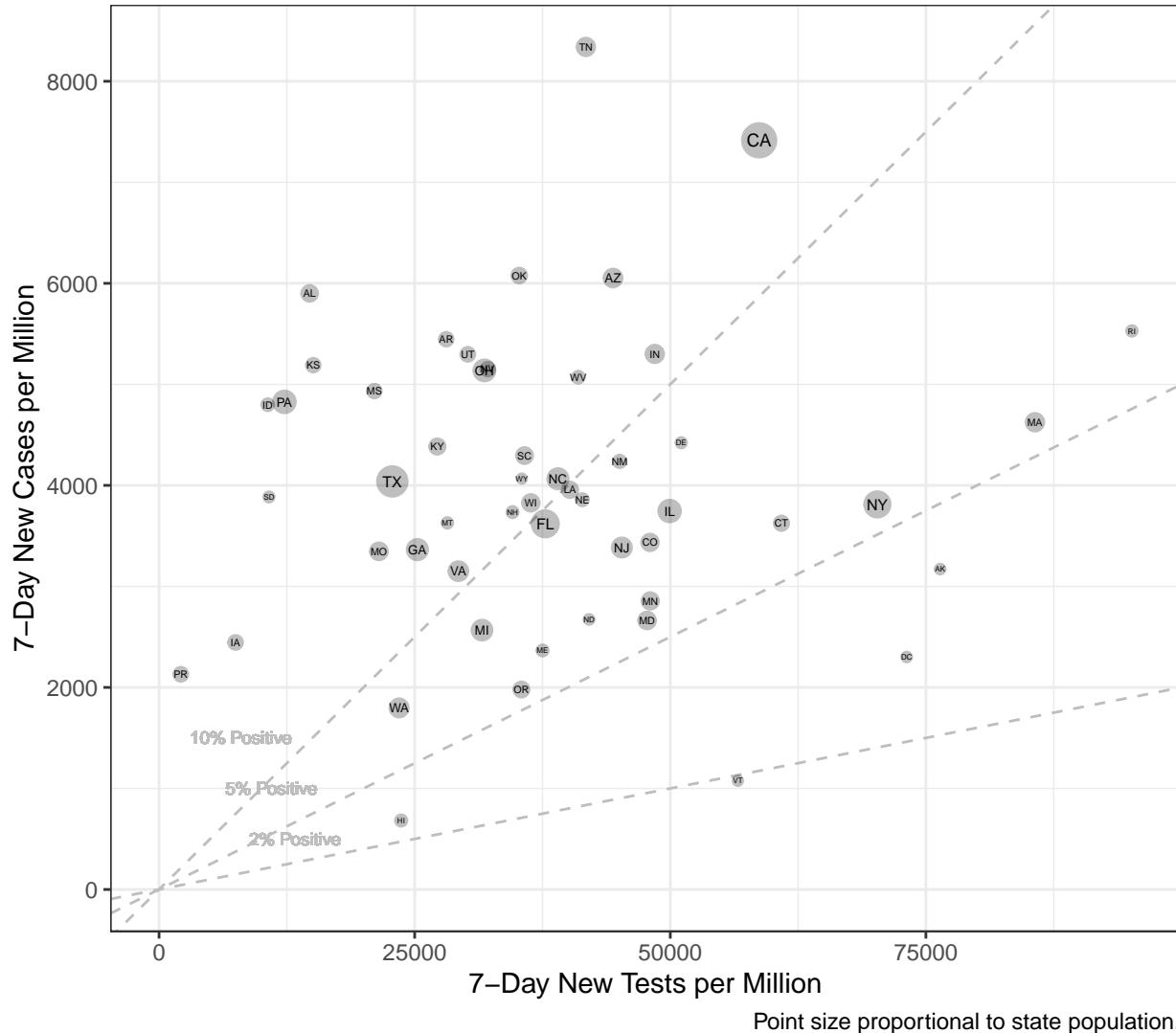
New Tests by State





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



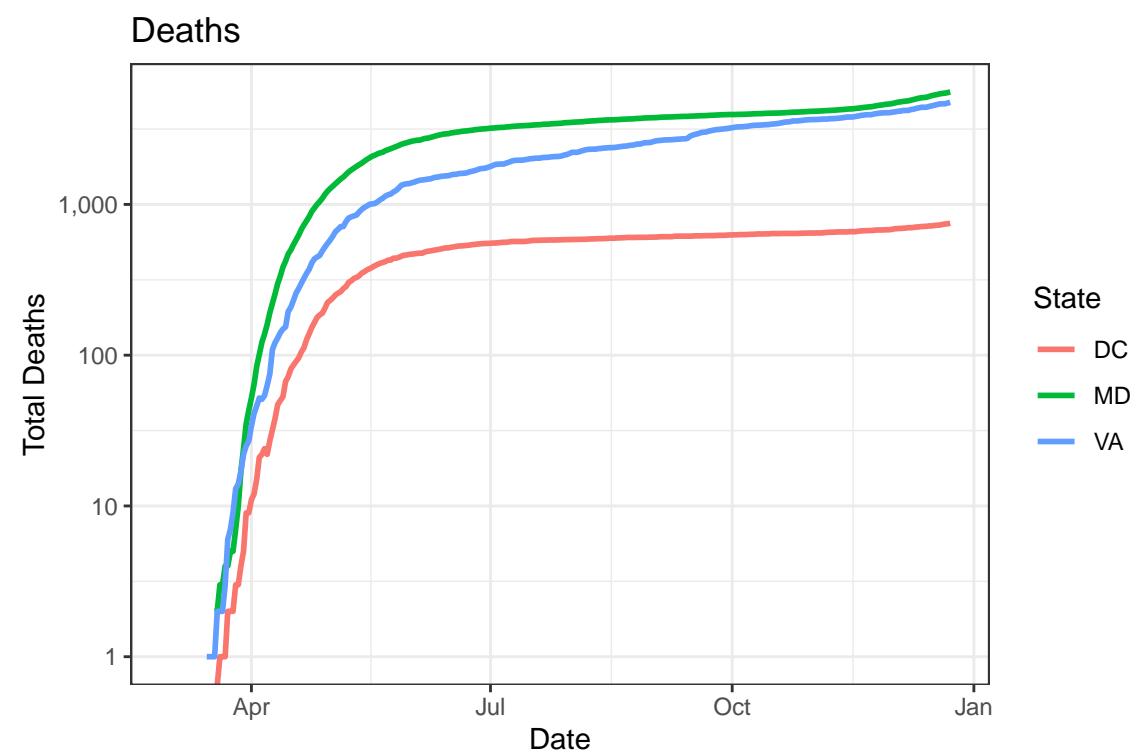
Local Data

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

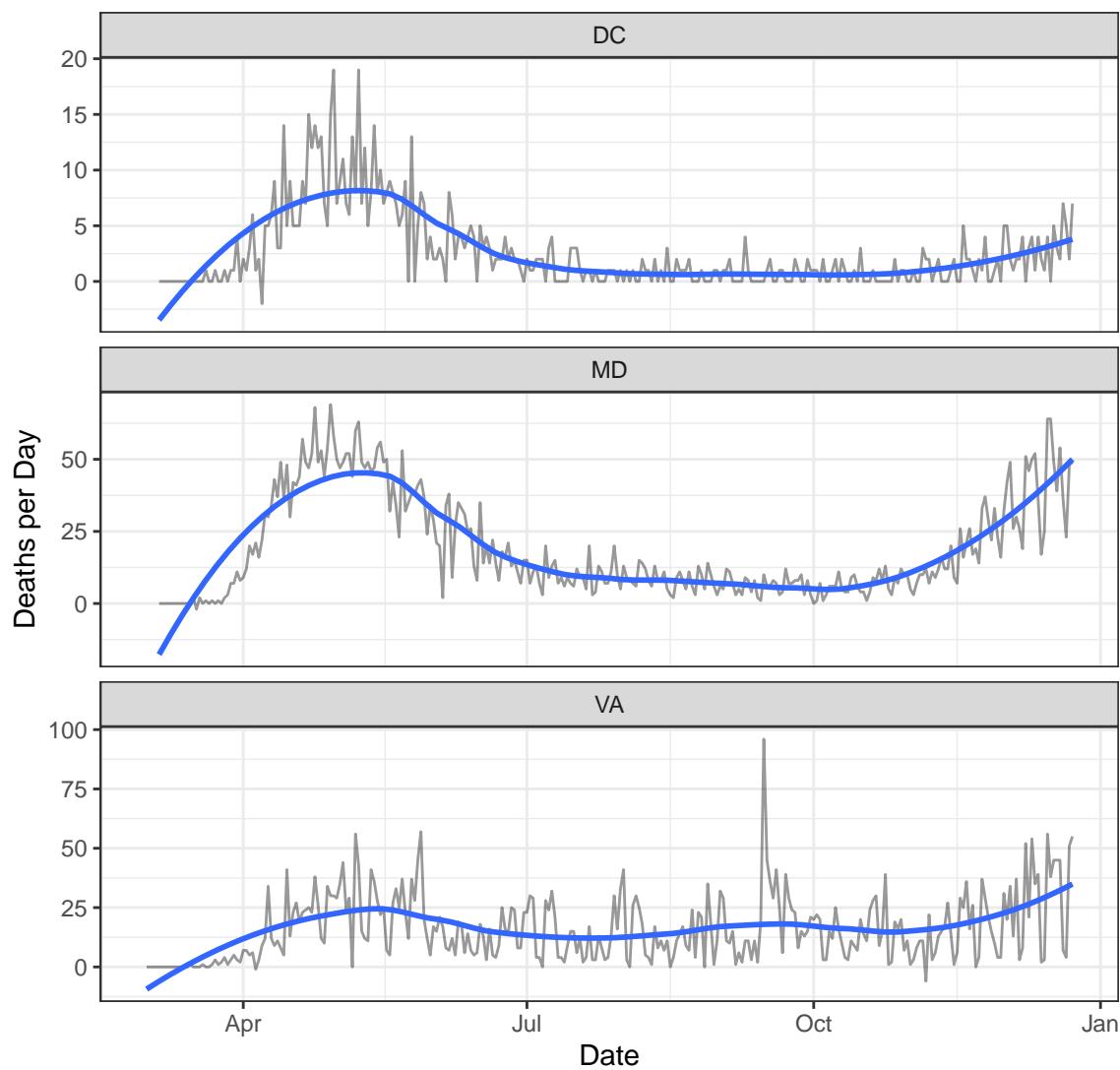
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	27,226	751	326	7
MD	257,862	5,568	2,465	49
VA	319,133	4,760	4,652	55

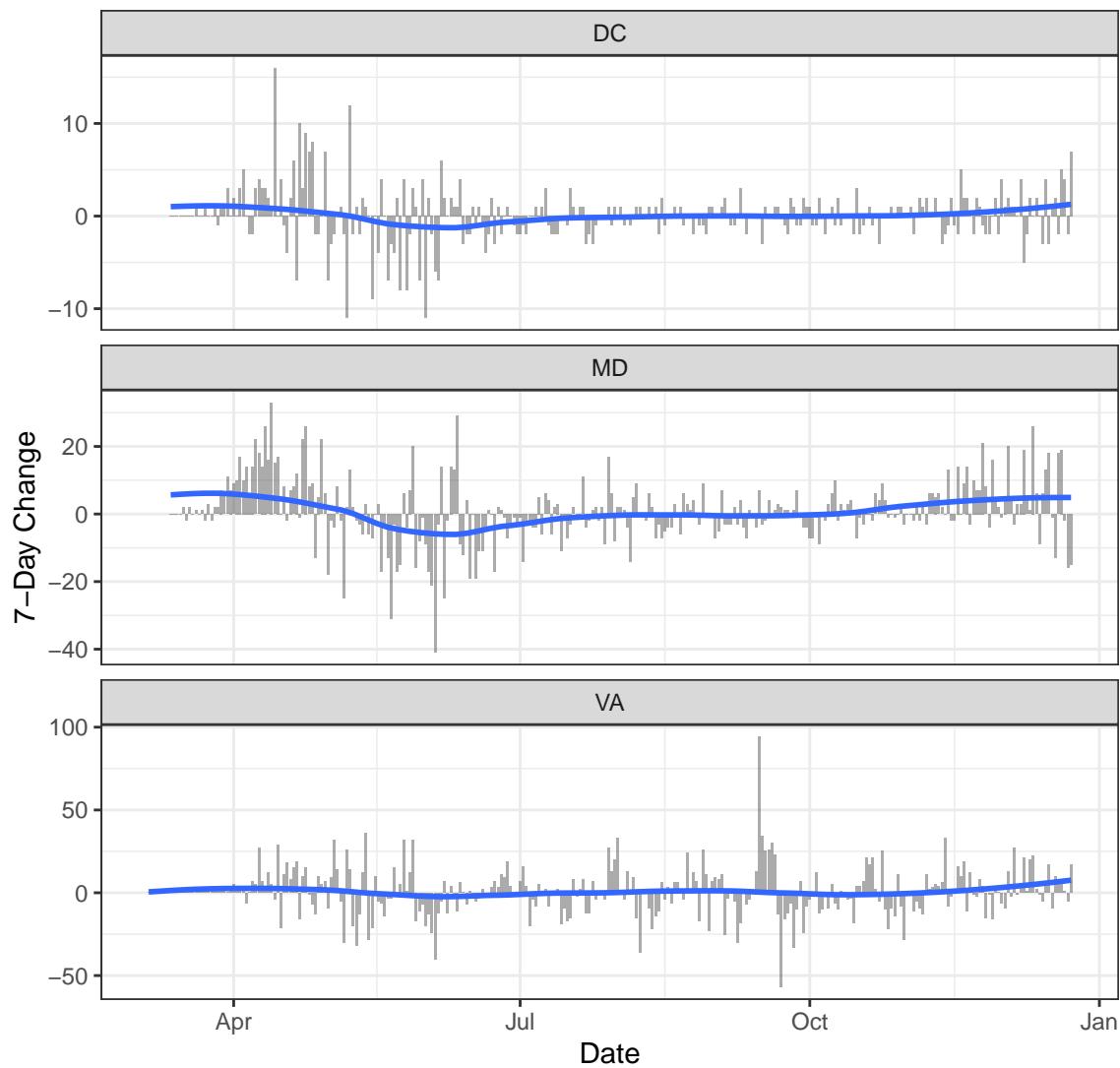
Deaths

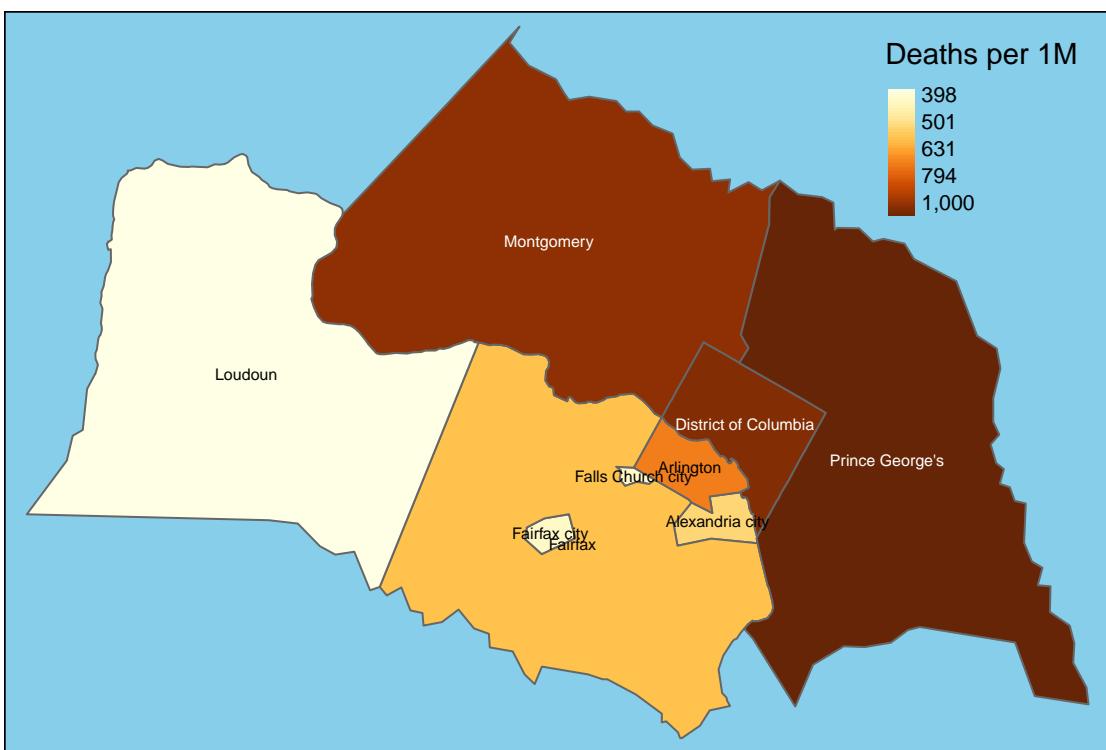
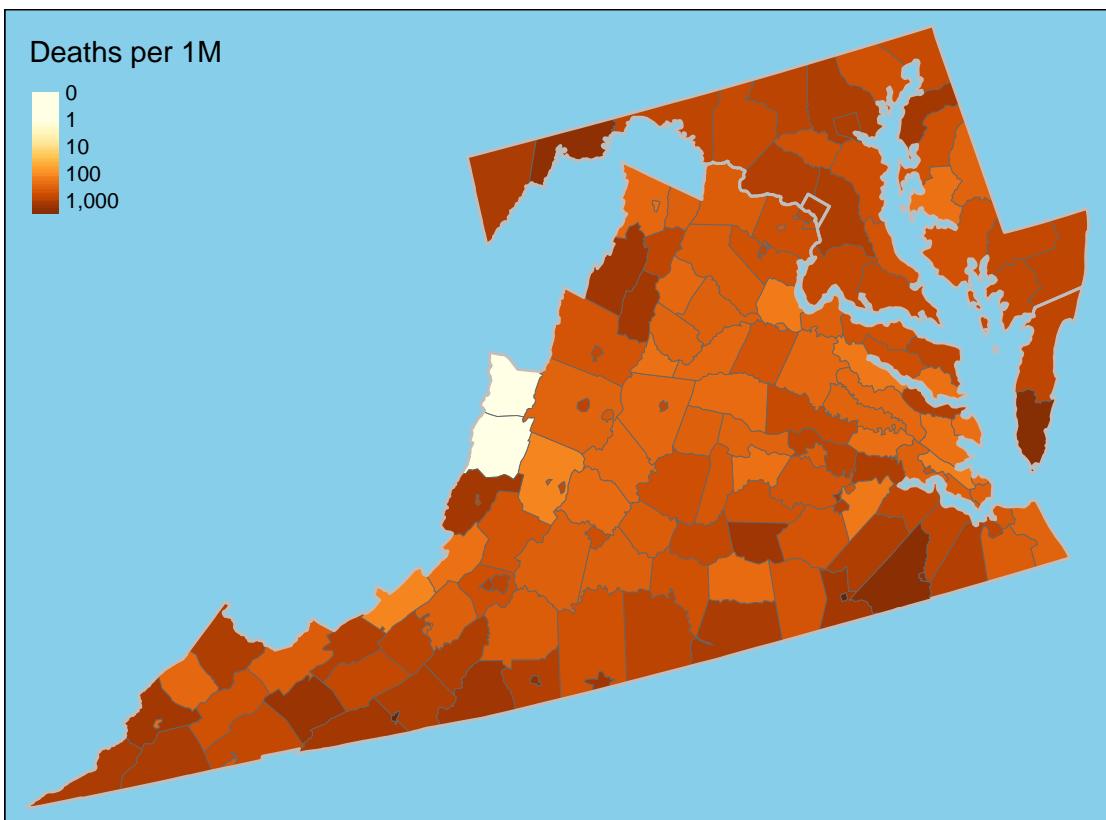


New Deaths

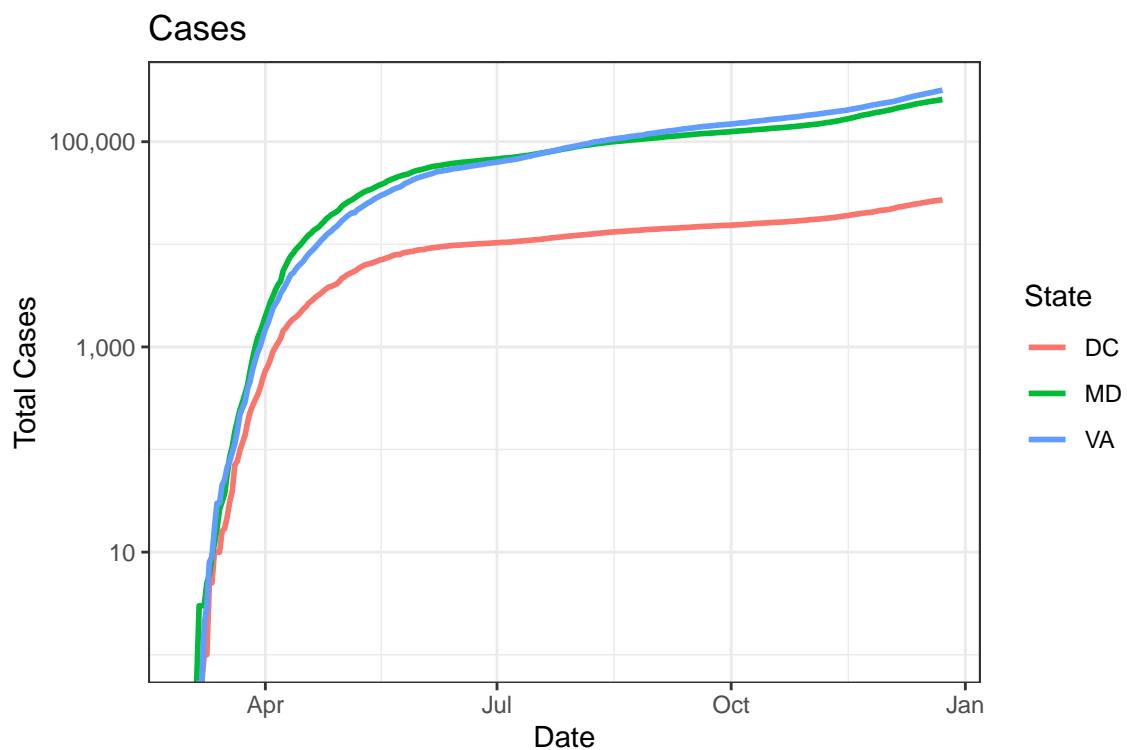


One-Week Change in Daily Deaths

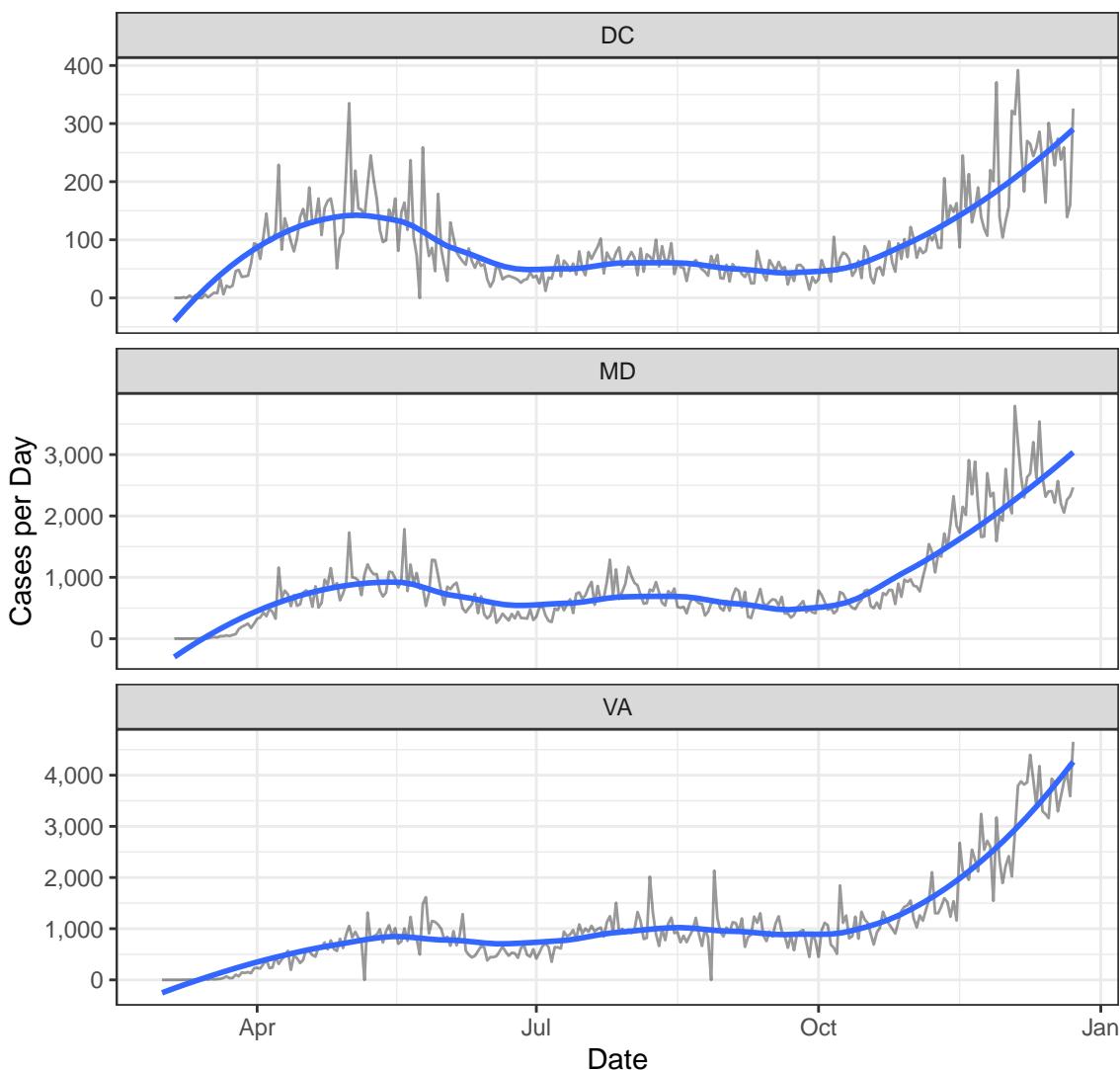




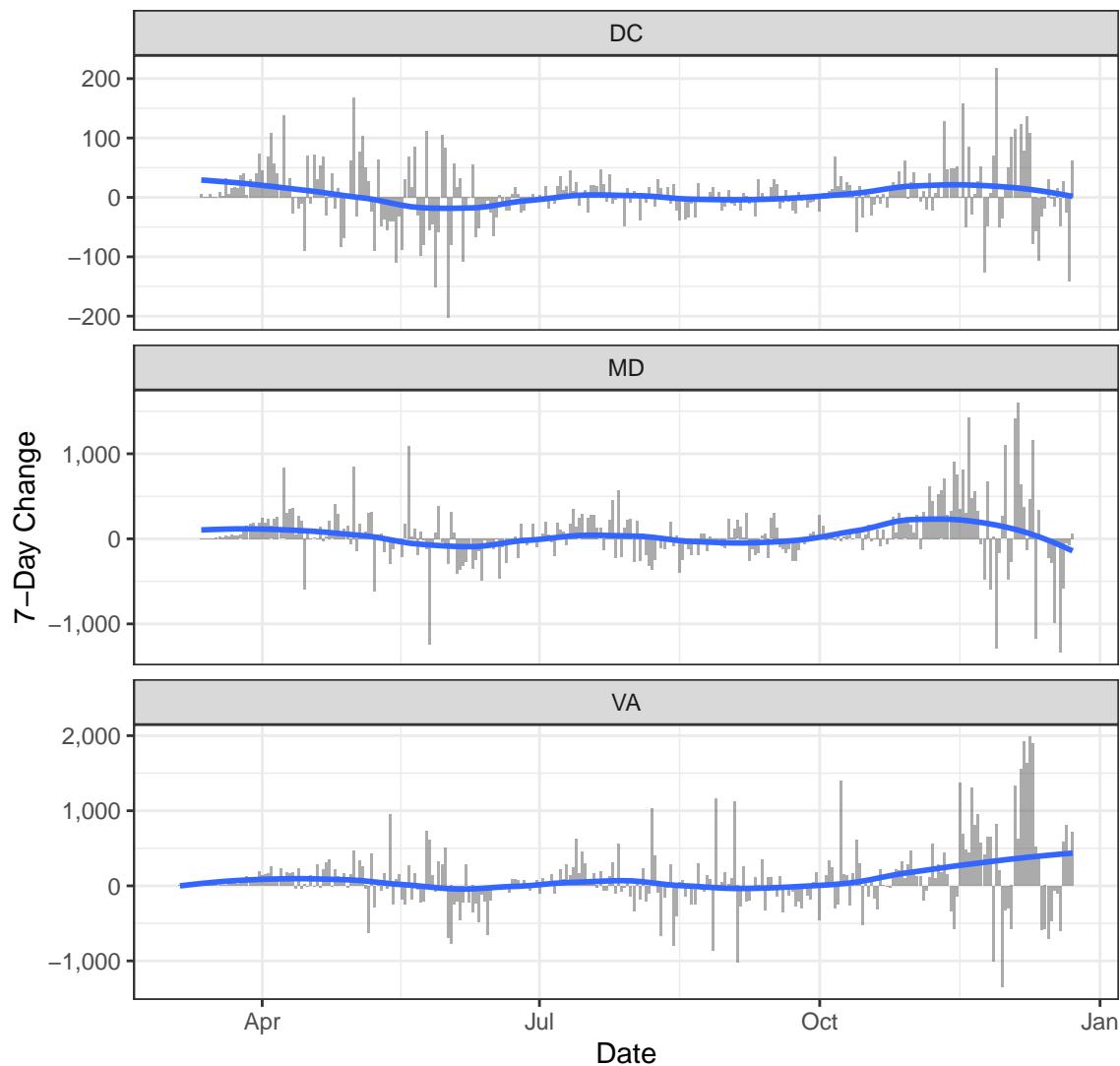
Cases

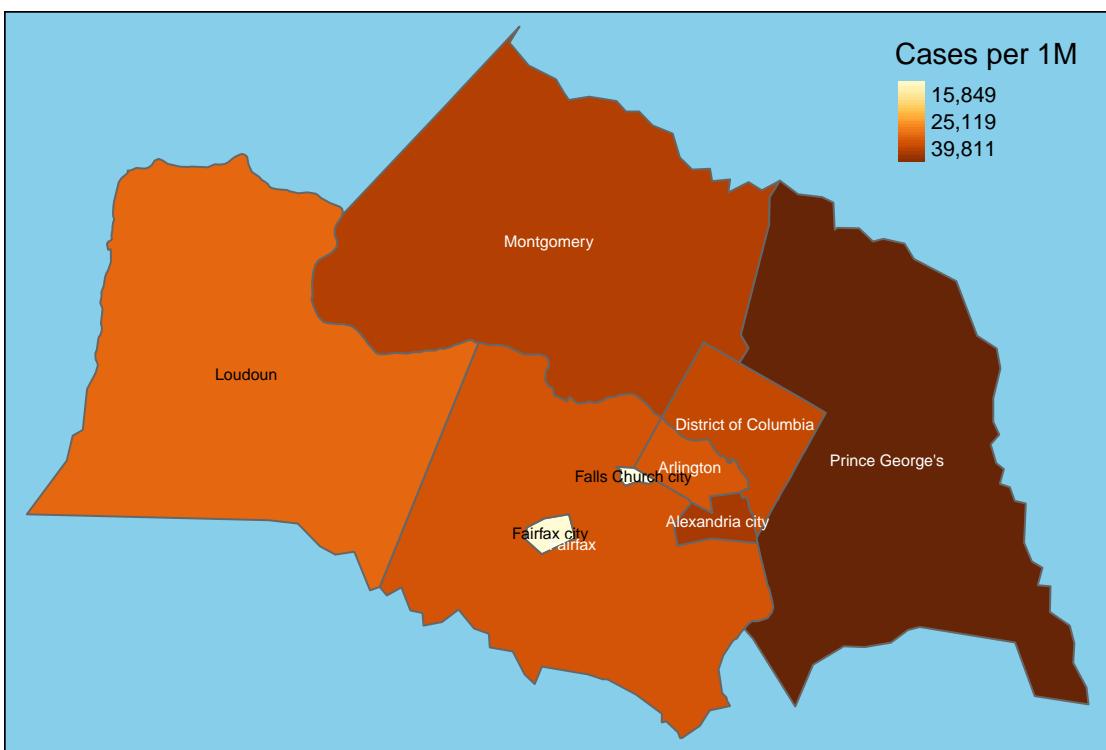
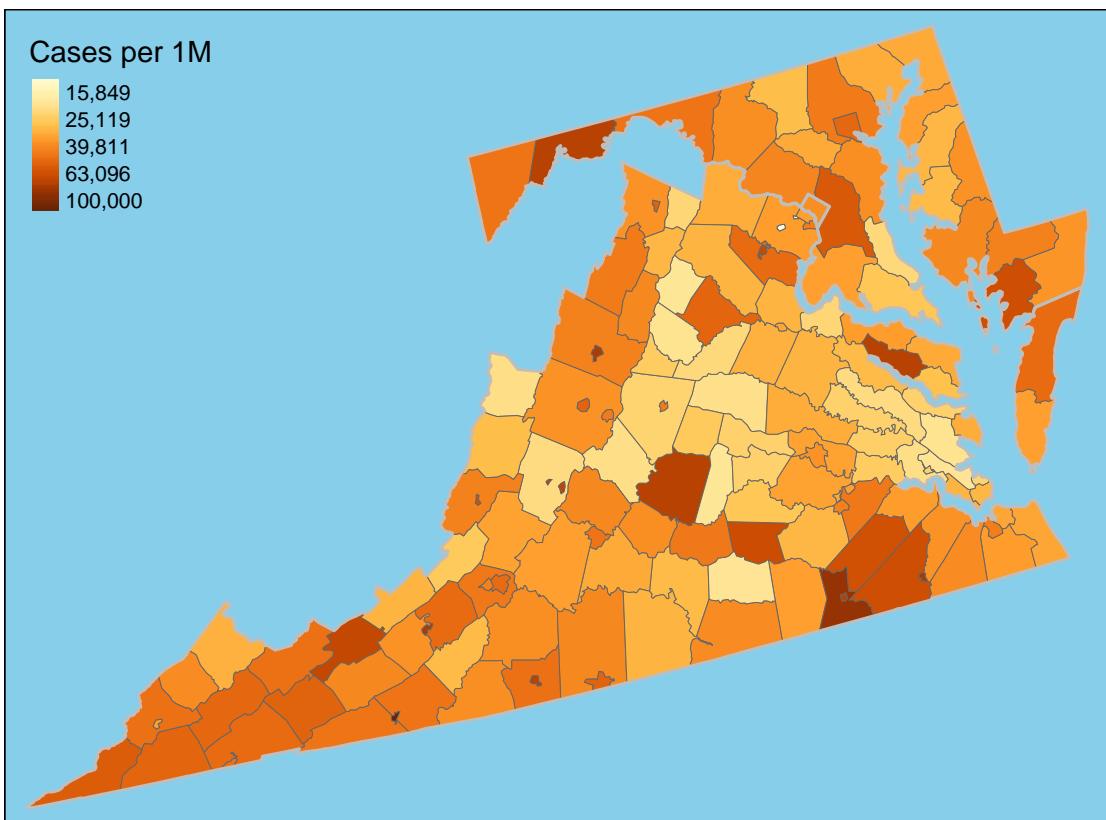


New Cases

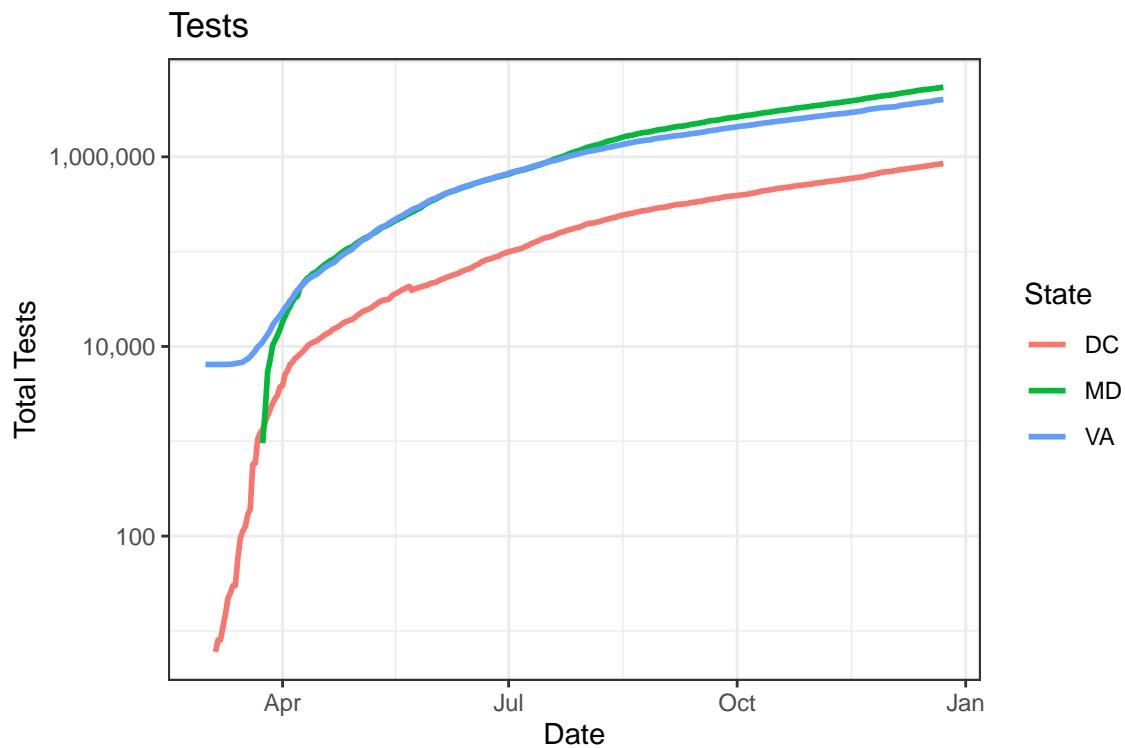


One-Week Change in Daily Cases

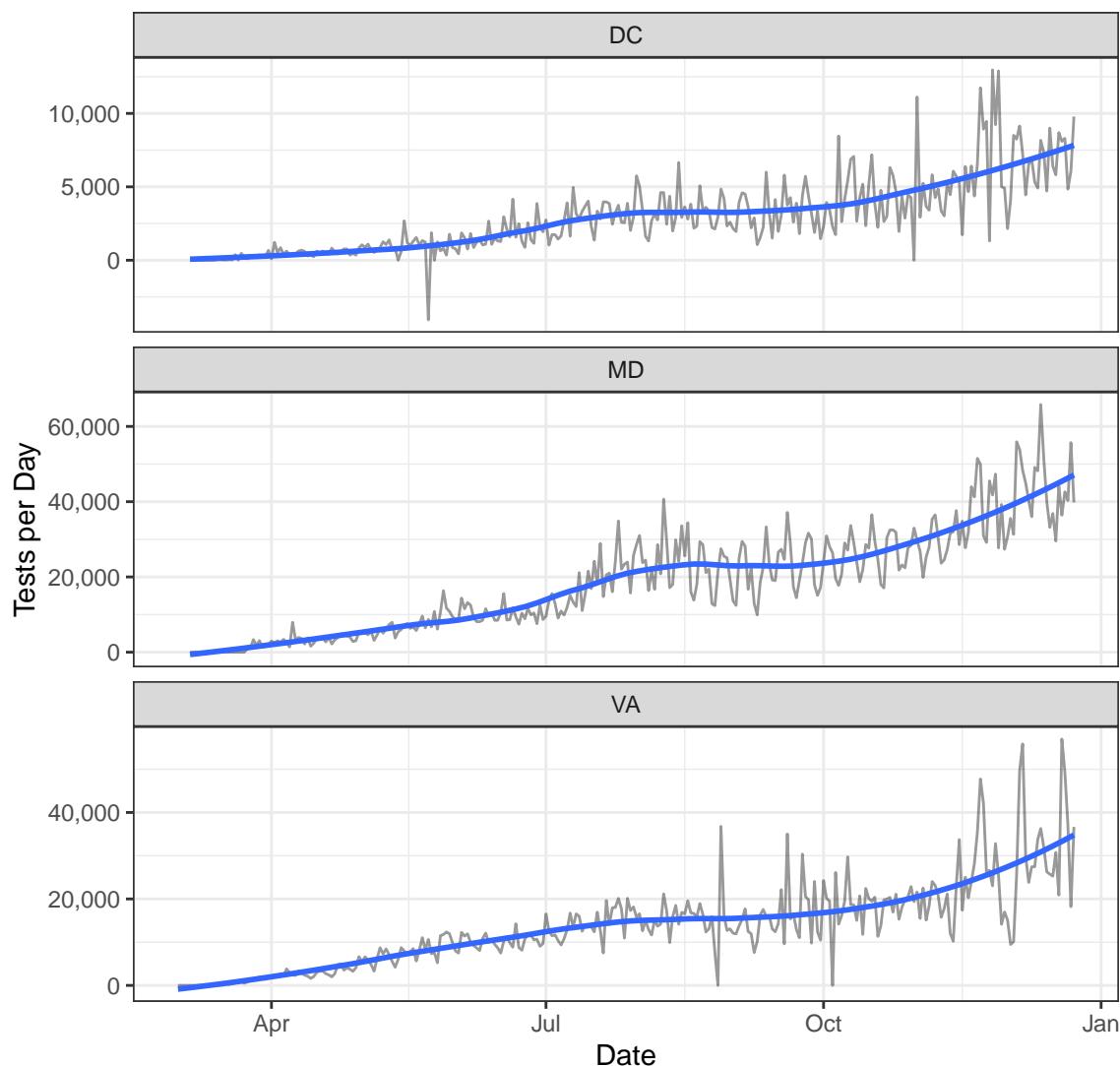




Testing



New Tests



Positive Test Rate

