

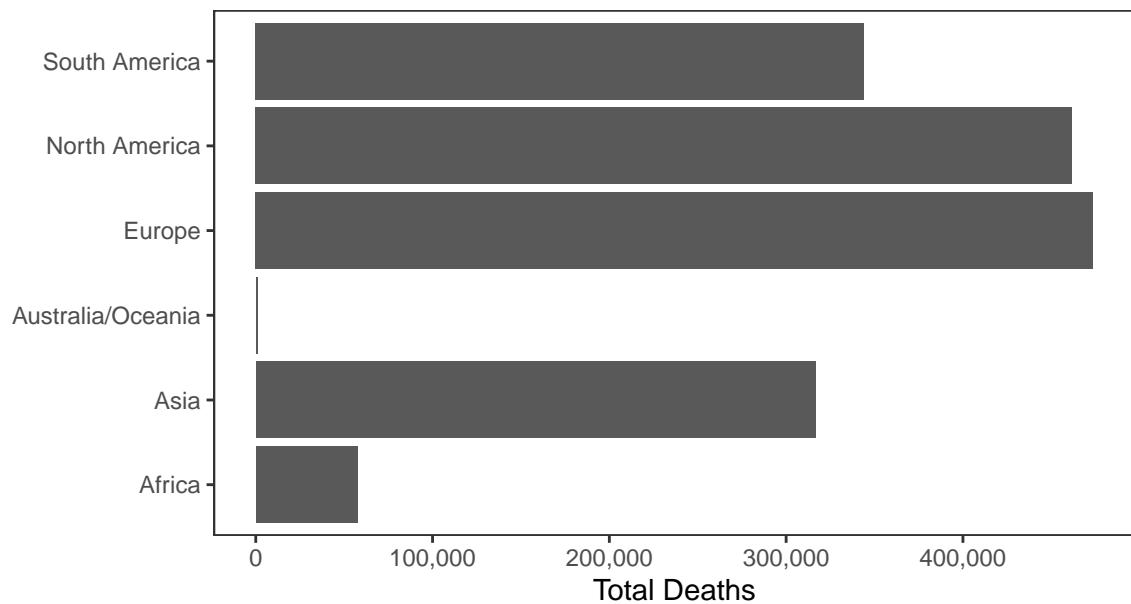
Erik's Covid-19 Chart Pack

Data updated 2020-12-17 10:10:28. 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 74,525,562 confirmed Covid-19 cases and 1,654,587 deaths worldwide.

Deaths



Cases

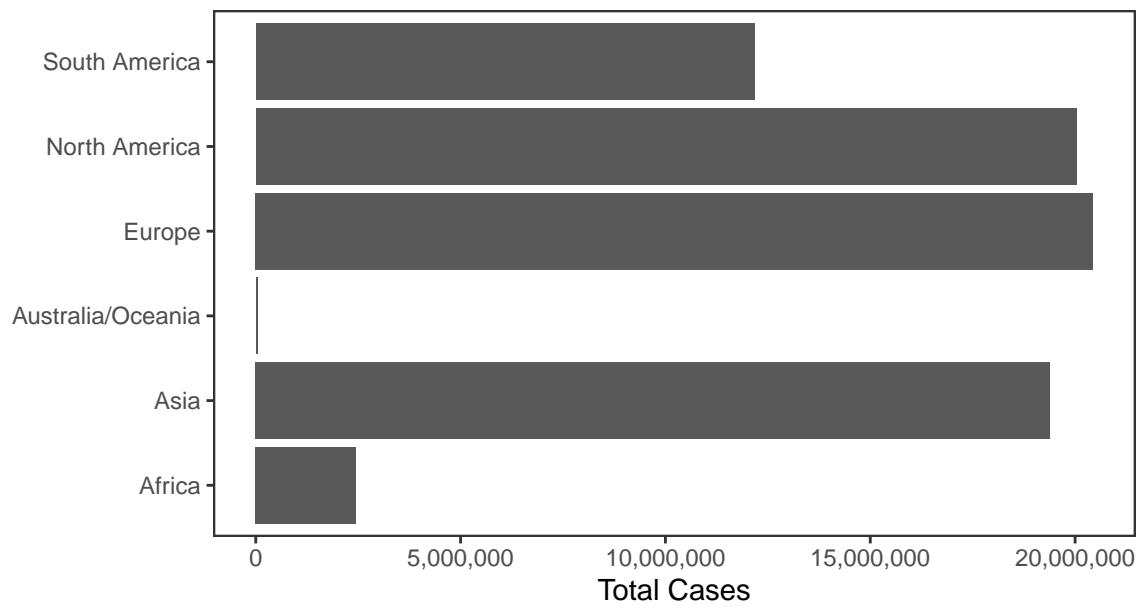
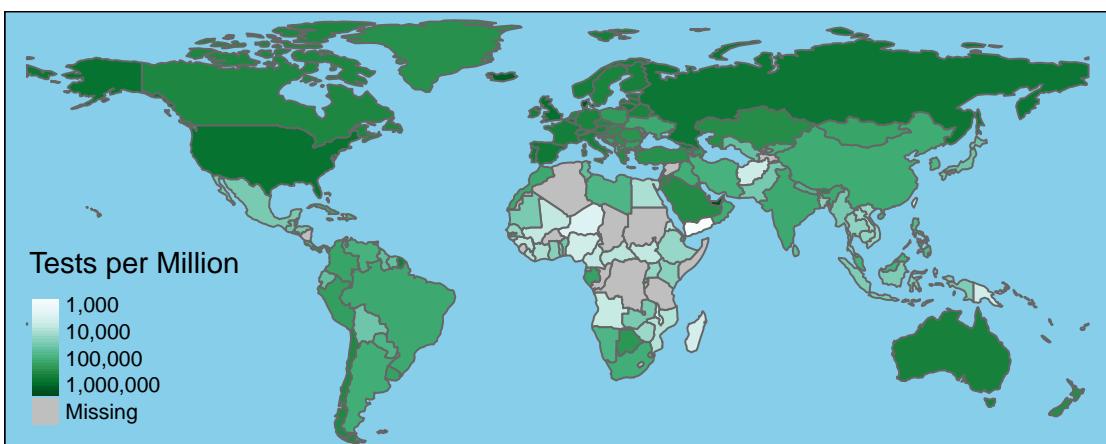
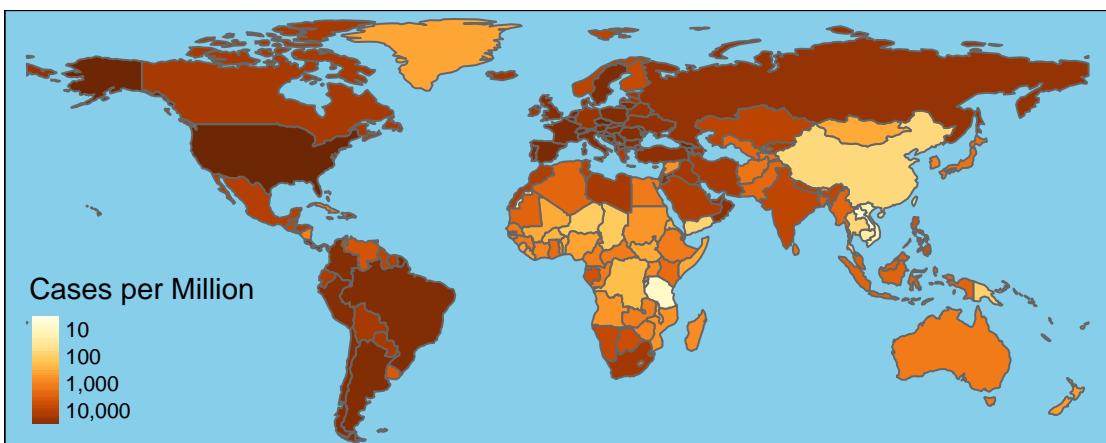
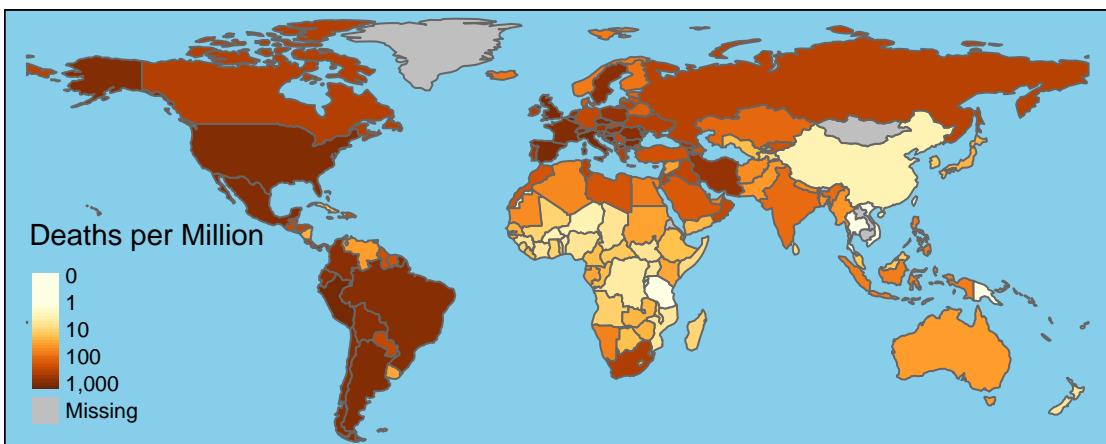


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	17,394,314	314,629	248,686	3,538
India	9,951,072	144,487	18,164	357
Brazil	7,042,695	183,822	68,437	968
Russia	2,734,454	48,564	26,509	596
France	2,409,062	59,361	17,615	289
Turkey	1,928,165	17,121	29,718	240
UK	1,913,277	65,520	25,161	612
Italy	1,888,144	66,537	17,572	680
Spain	1,782,566	48,596	11,078	195
Argentina	1,517,046	41,365	6,843	161
Colombia	1,456,599	39,560	11,953	204
Germany	1,407,487	24,441	28,969	749
Mexico	1,267,202	115,099	11,228	801
Poland	1,159,901	23,914	12,454	605
Iran	1,131,077	52,883	7,603	213
Peru	989,457	36,858	1,782	41
Ukraine	919,704	15,744	10,622	264
South Africa	883,687	23,827	10,008	166
Netherlands	639,746	10,246	11,169	78
Indonesia	636,154	19,248	6,725	137



National Data

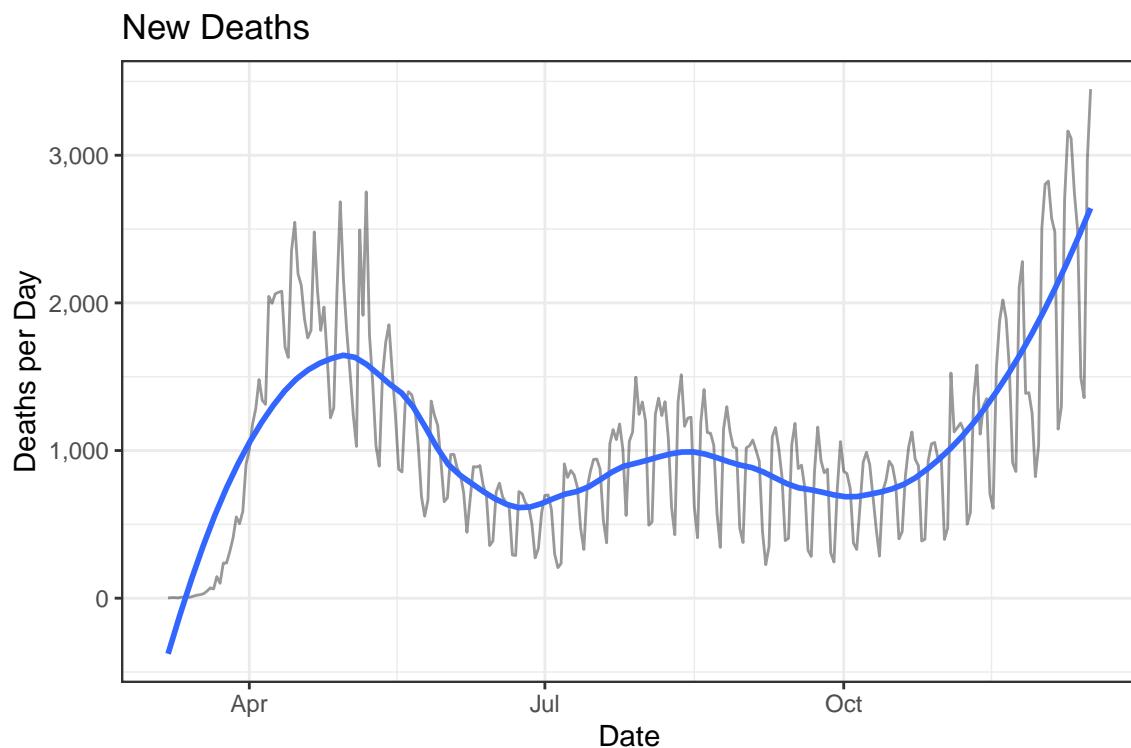
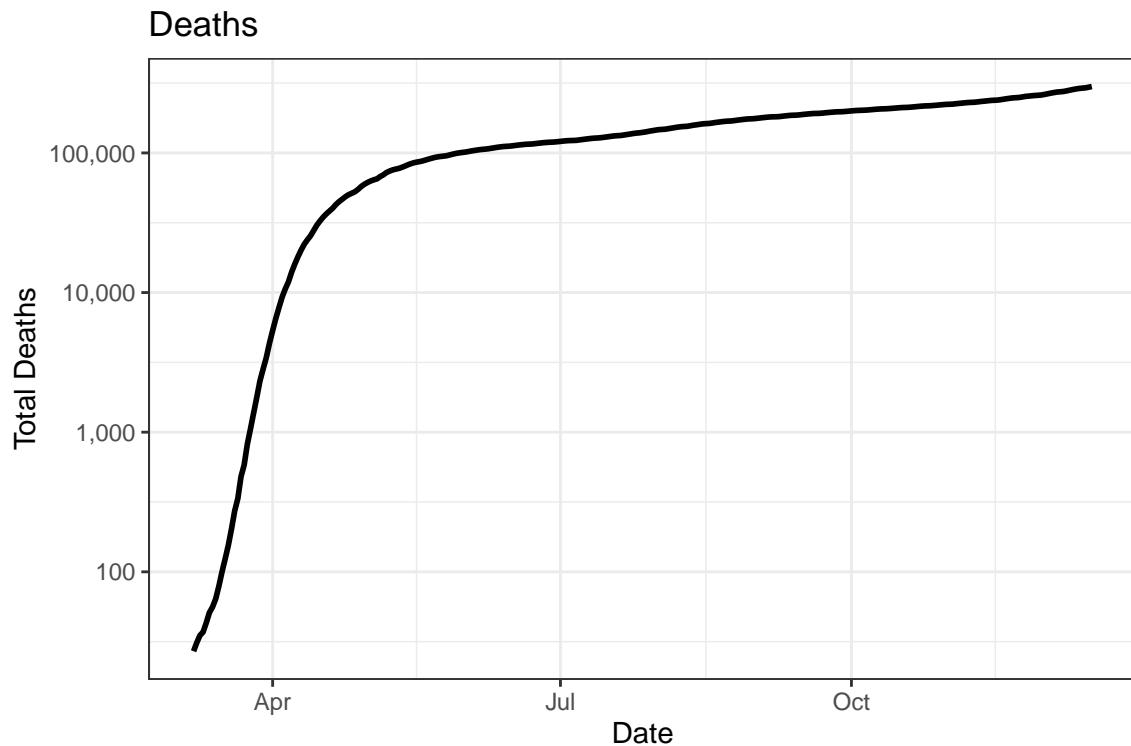
There have been 16,762,527 confirmed Covid-19 cases and 298,823 deaths in the United States.

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

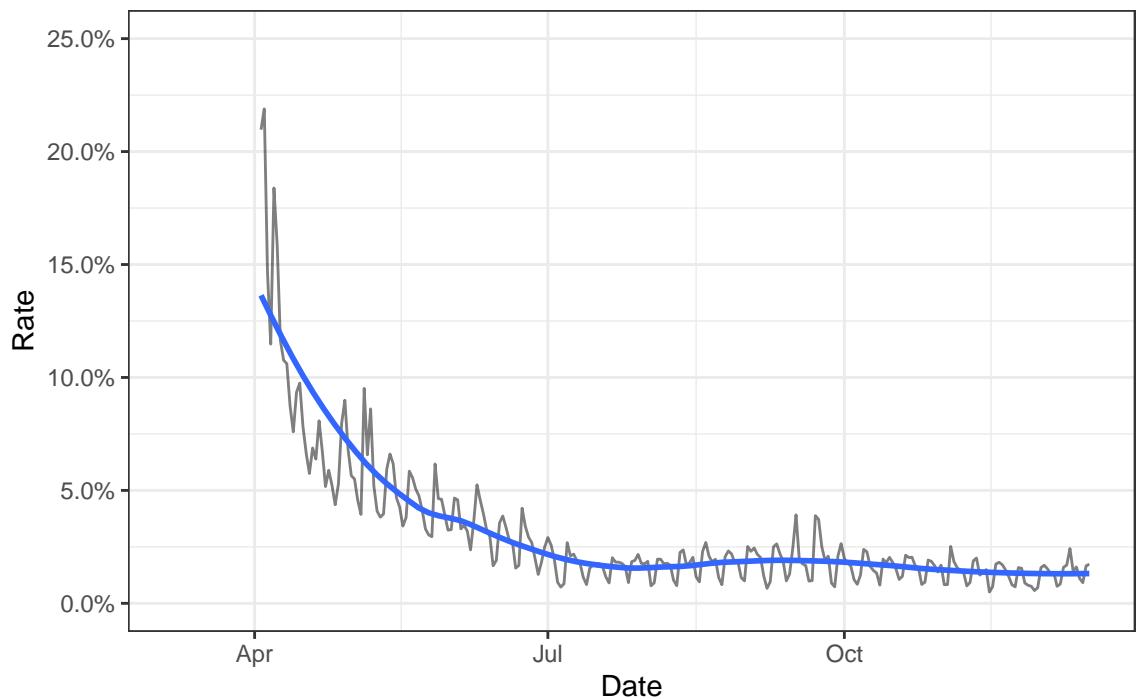
Date	Cases	Deaths	New Cases	New Deaths
2020-12-16	16,762,527	298,823	232,258	3,448
2020-12-15	16,530,269	295,375	190,865	2,971
2020-12-14	16,339,404	292,404	193,384	1,358
2020-12-13	16,146,020	291,046	187,754	1,494
2020-12-12	15,958,266	289,552	225,196	2,494
2020-12-11	15,733,070	287,058	234,810	2,749
2020-12-10	15,498,260	284,309	218,510	3,115
2020-12-09	15,279,750	281,194	213,456	3,164
2020-12-08	15,066,294	278,030	220,887	2,703
2020-12-07	14,845,407	275,327	180,819	1,297
2020-12-06	14,664,588	274,030	179,619	1,145
2020-12-05	14,484,969	272,885	215,393	2,480
2020-12-04	14,269,576	270,405	227,975	2,573
2020-12-03	14,041,601	267,832	213,364	2,825

Deaths

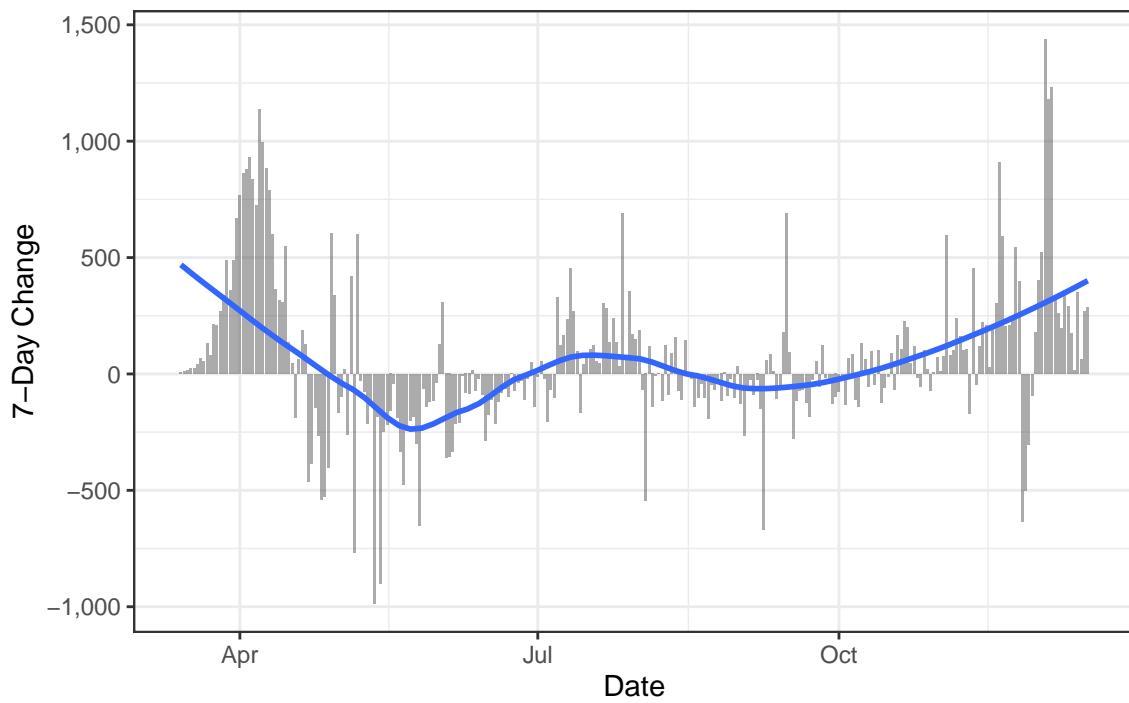
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

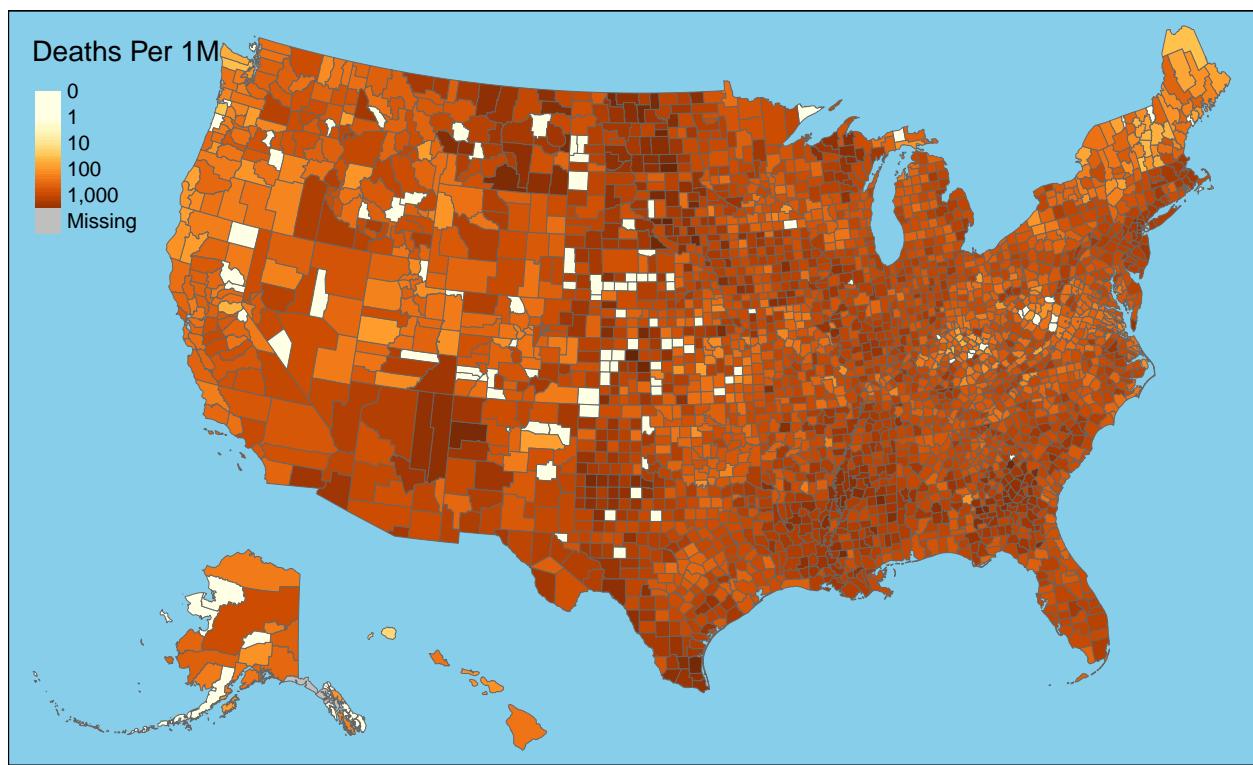


Daily Case Mortality Rate



One-Week Change in Daily Deaths

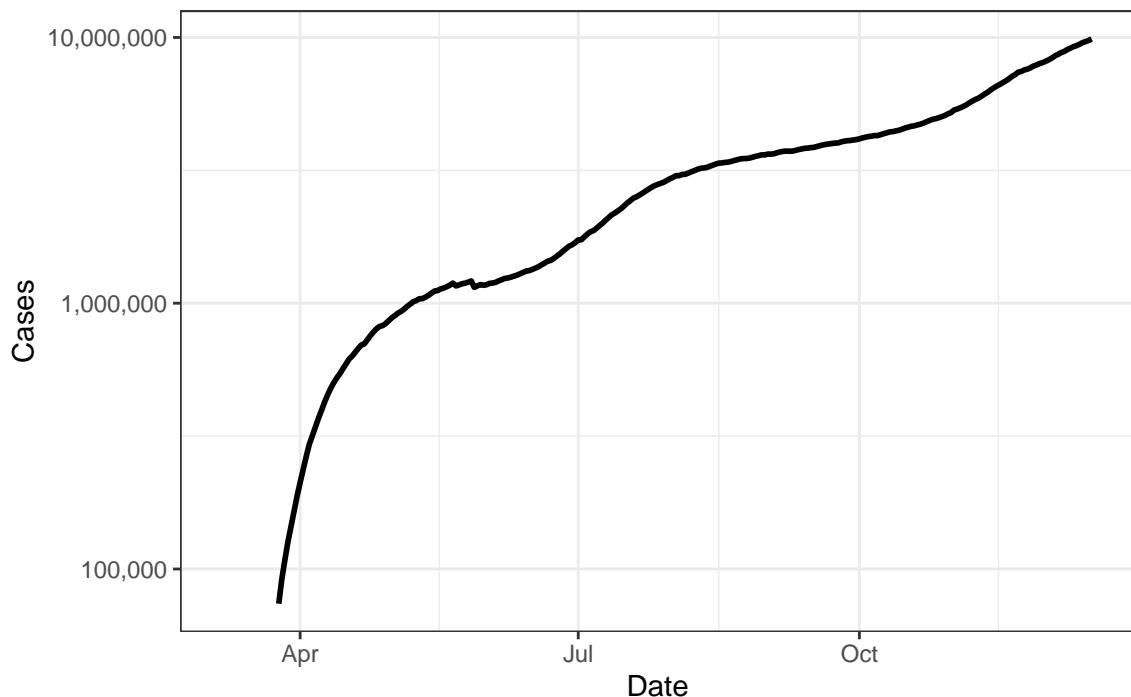




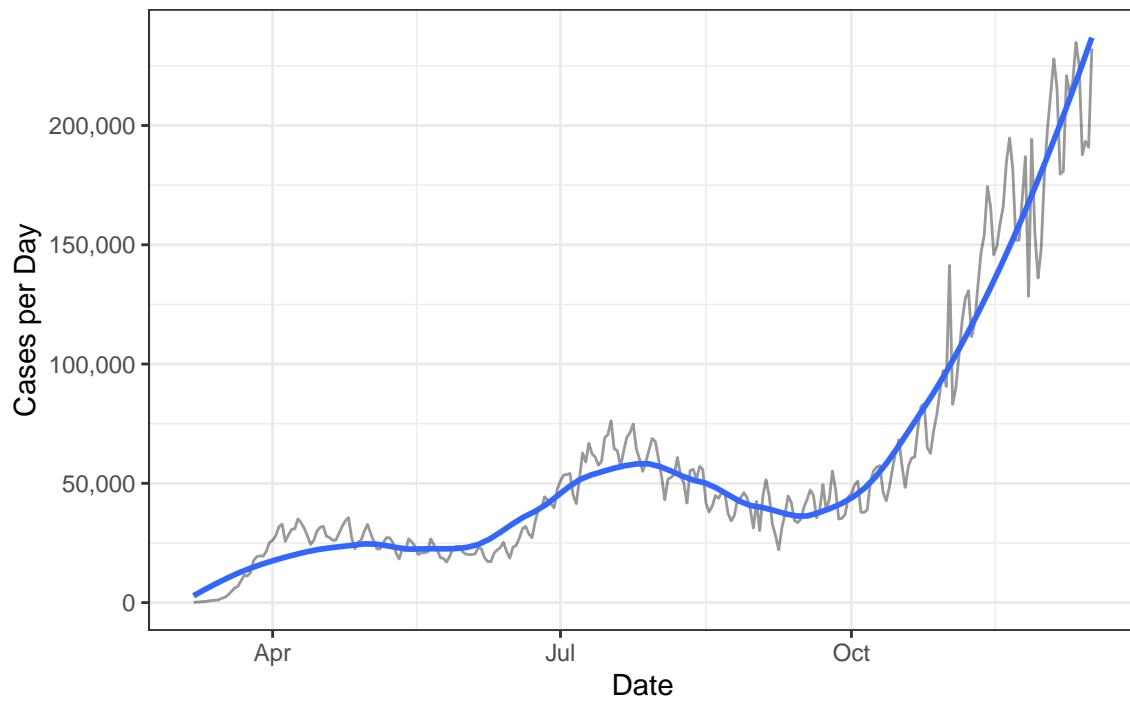
Cases

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

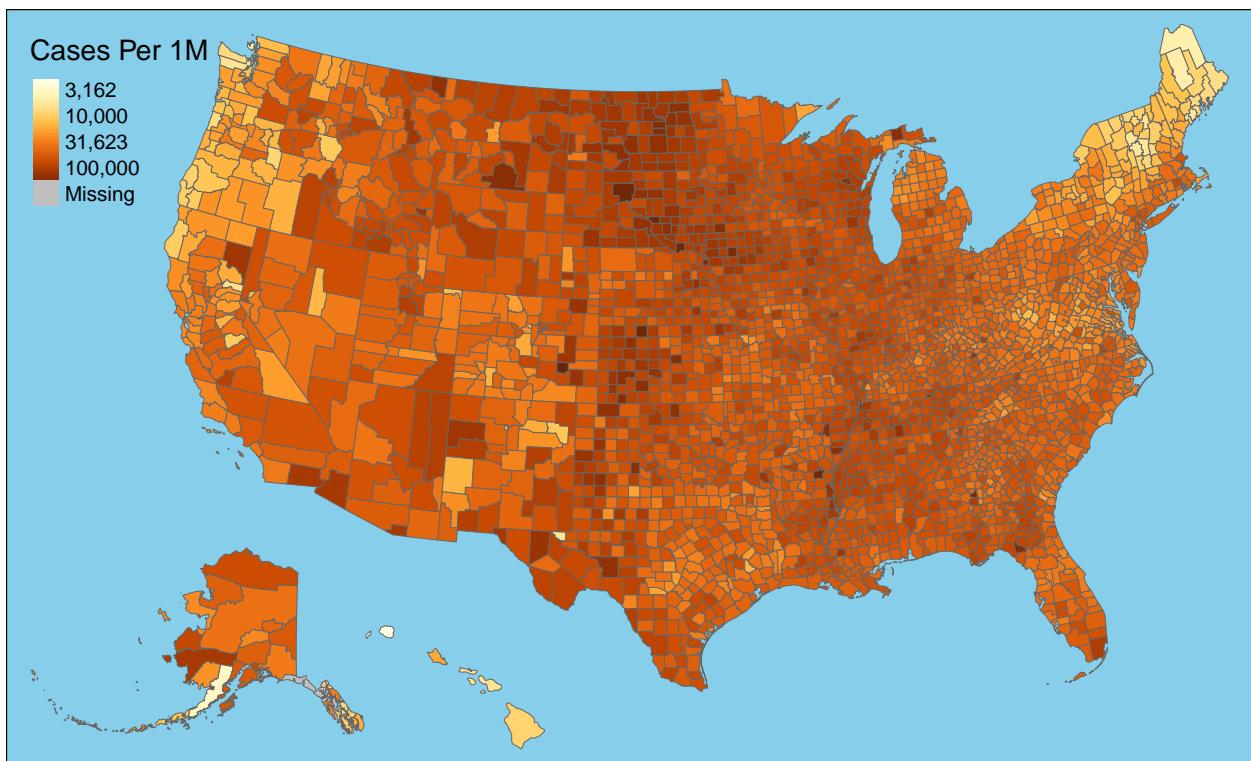
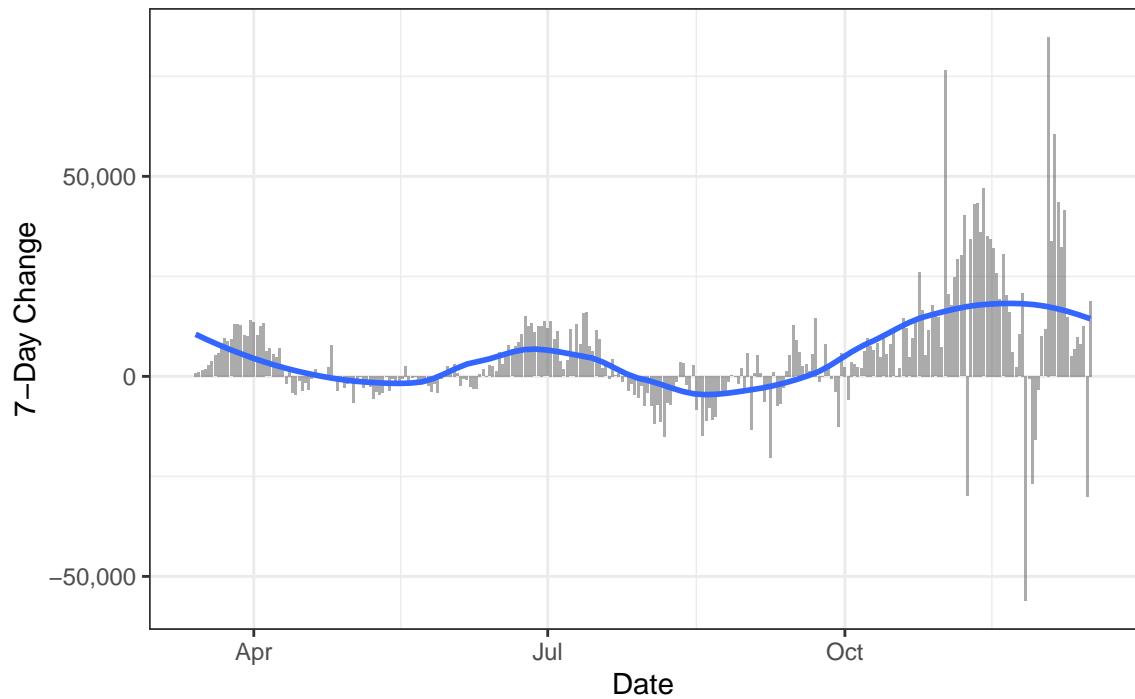
Active Cases



New Cases

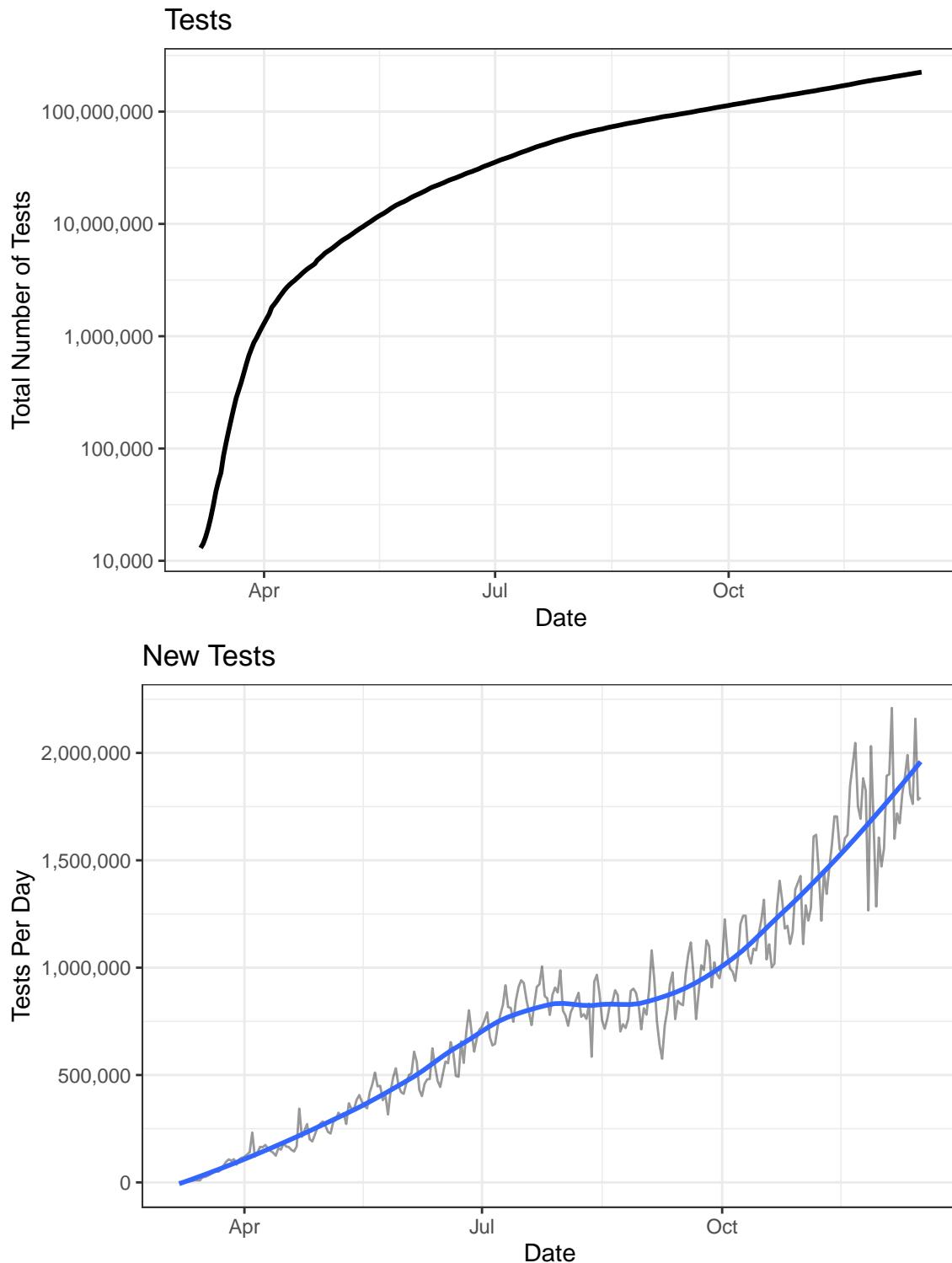


One-Week Change in Daily Cases

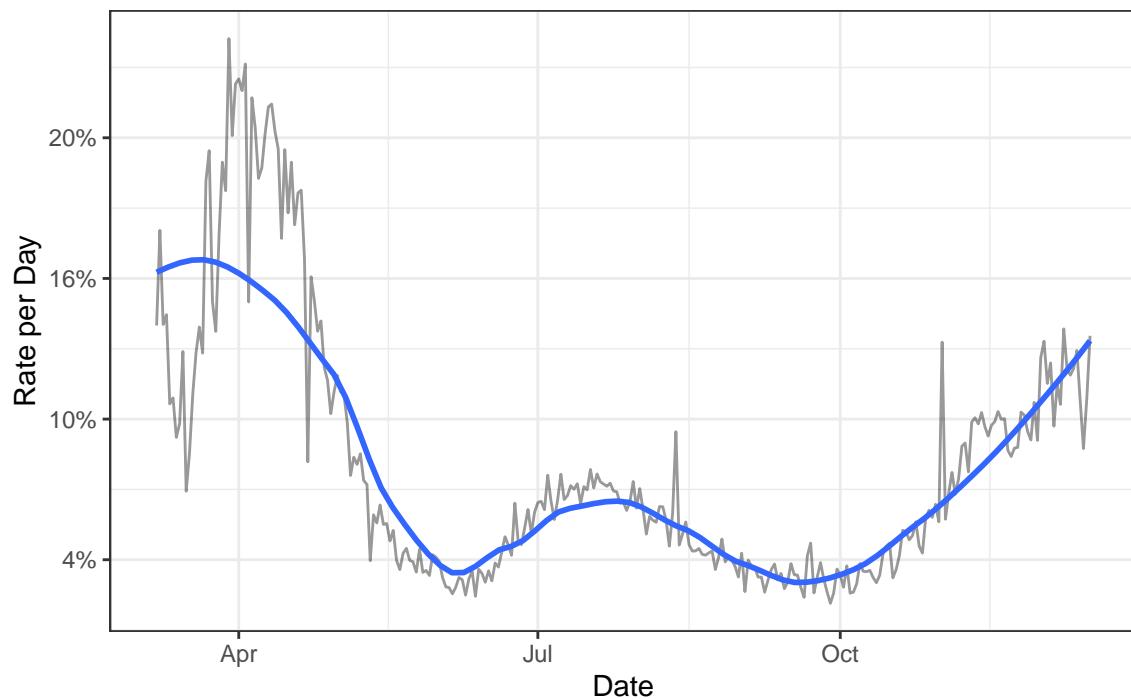


Testing

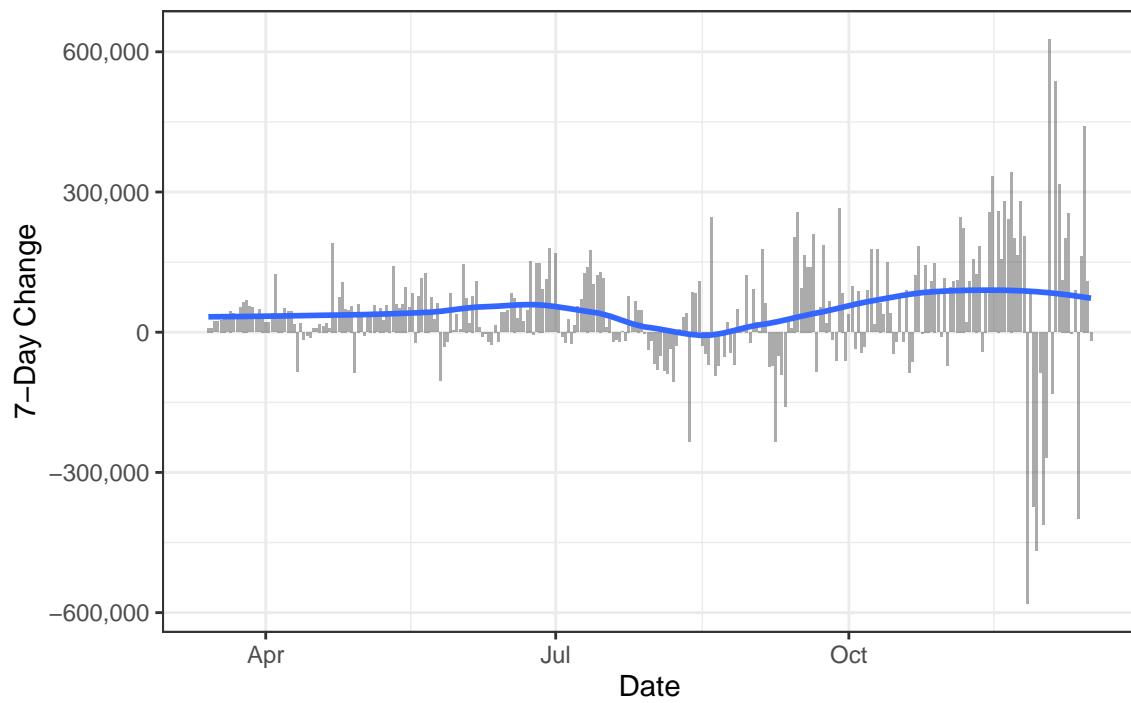
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



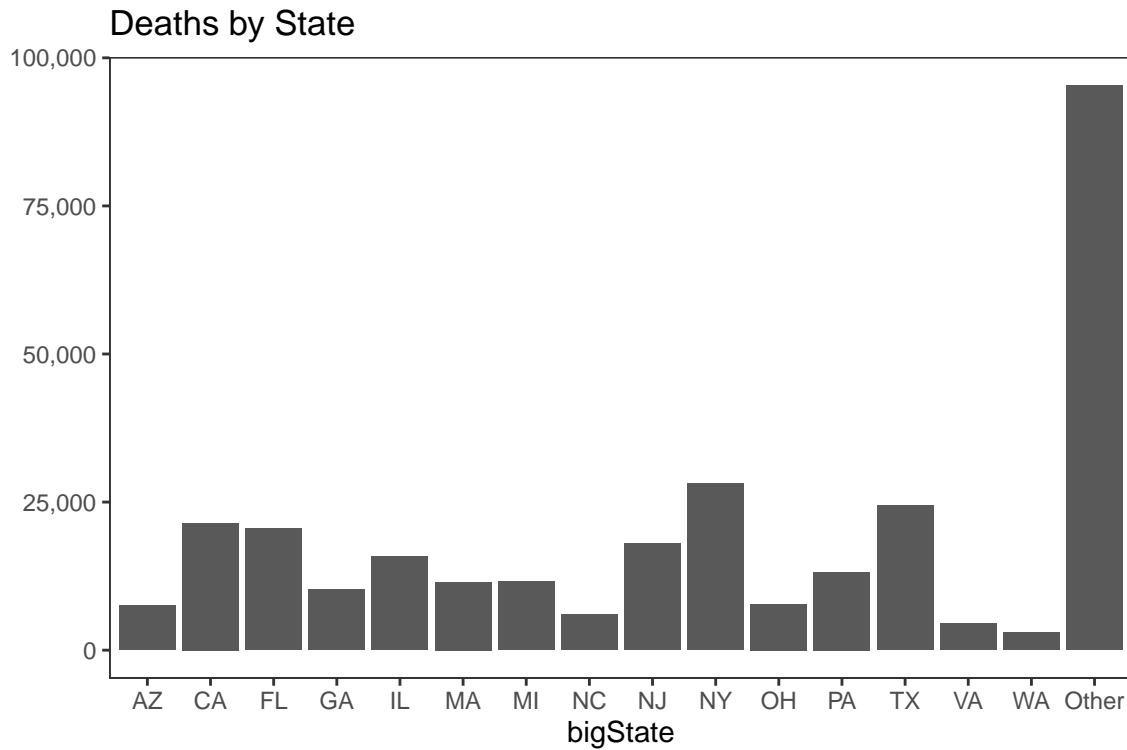
One-Week Change in Daily Tests



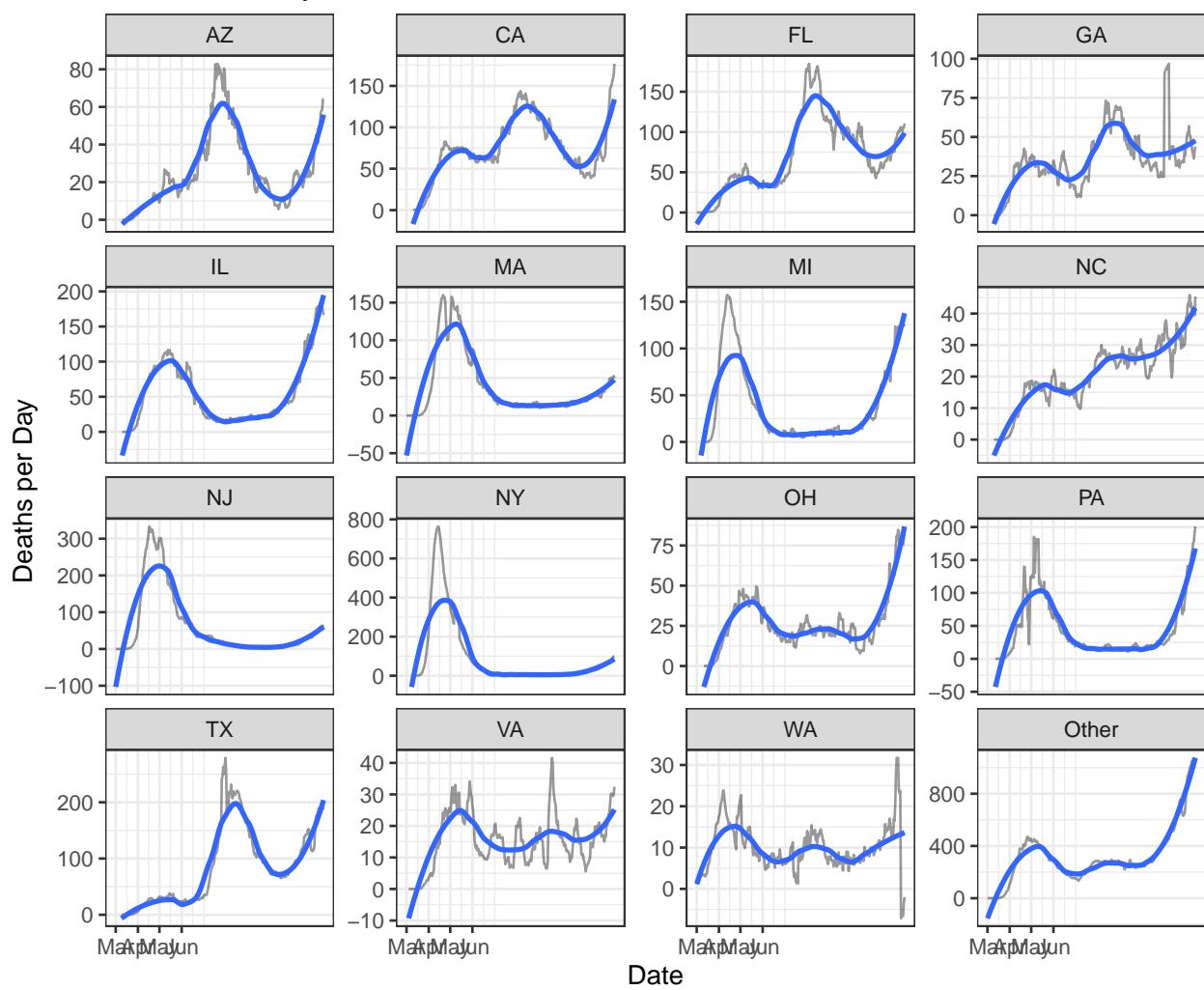
State Data

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.

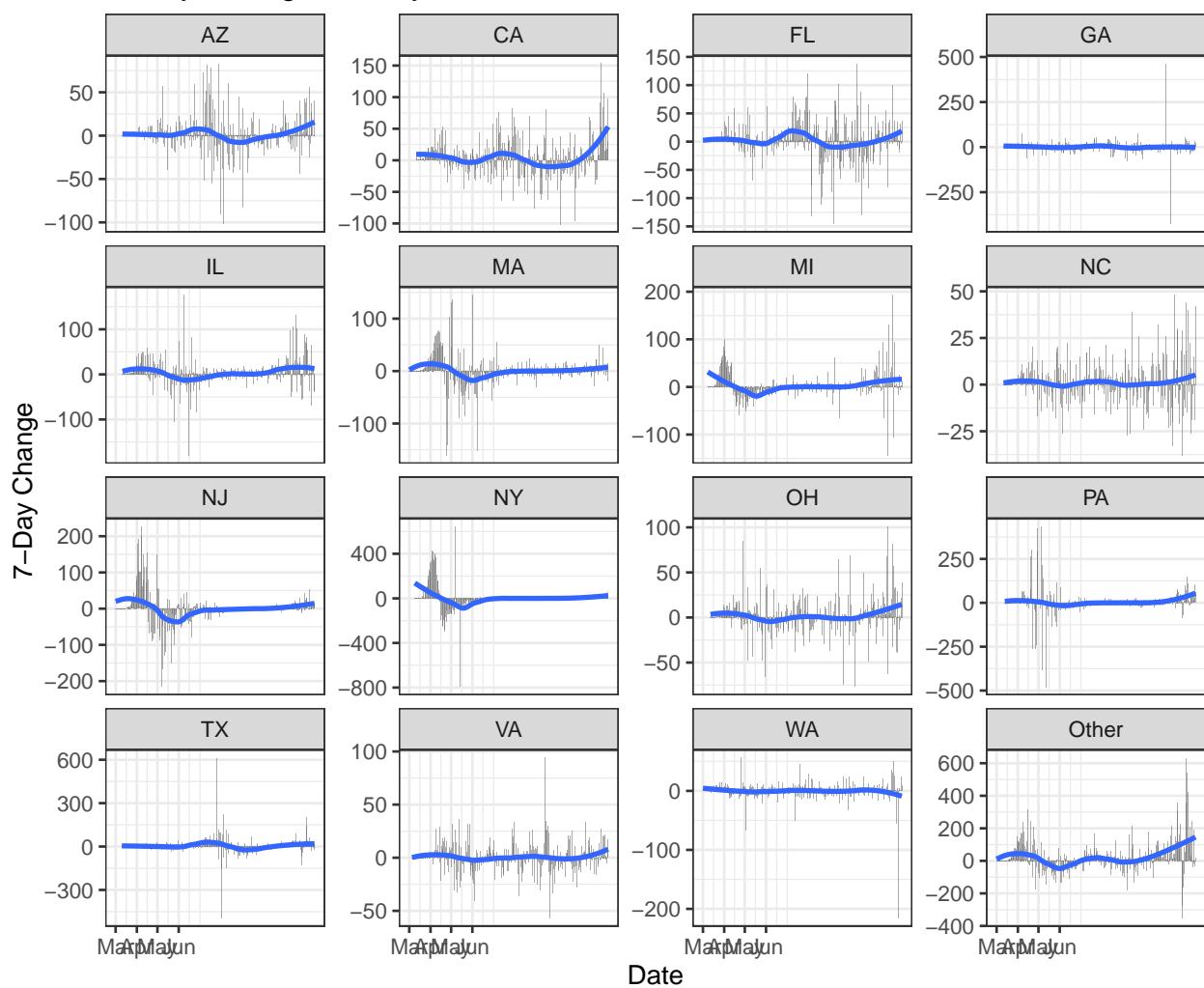
Deaths

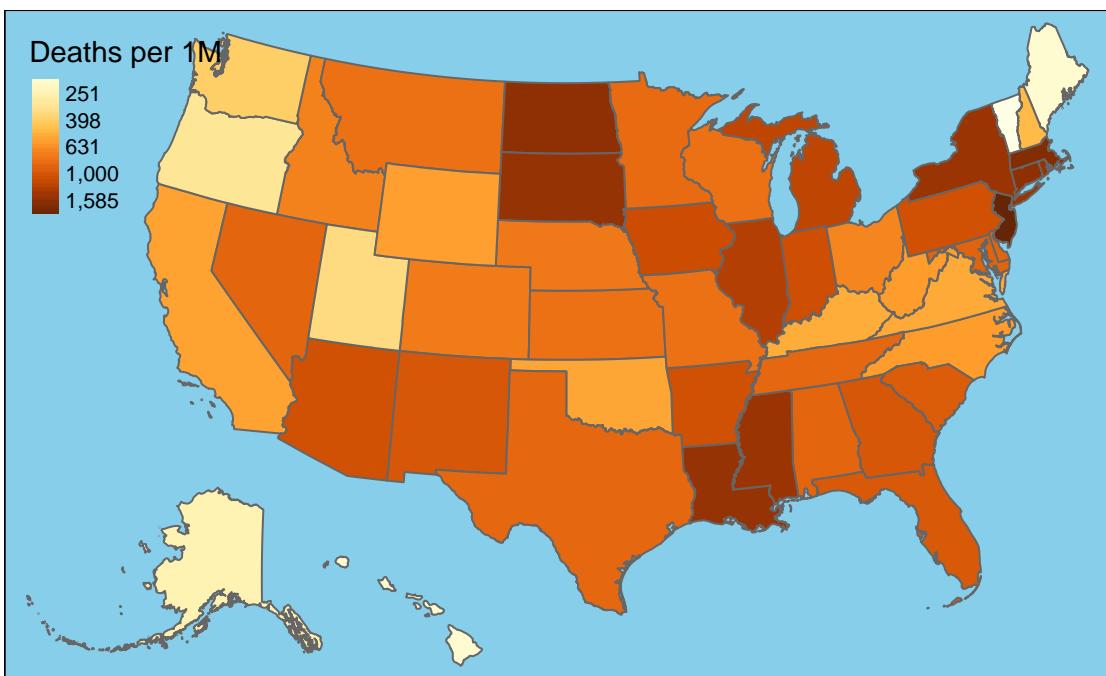
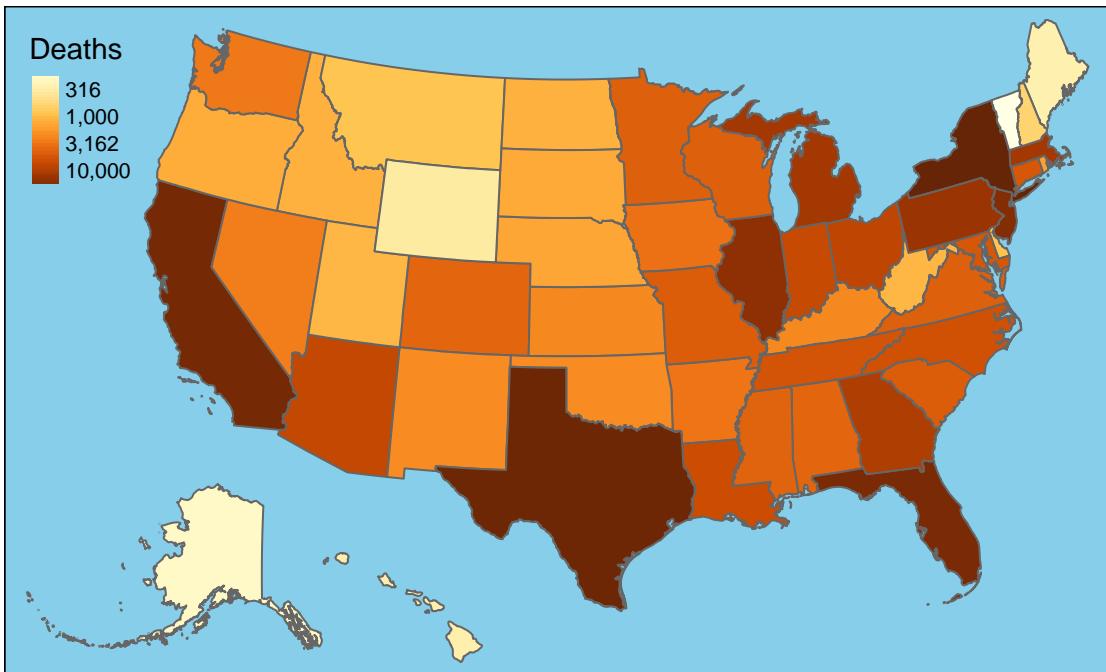


New Deaths by State



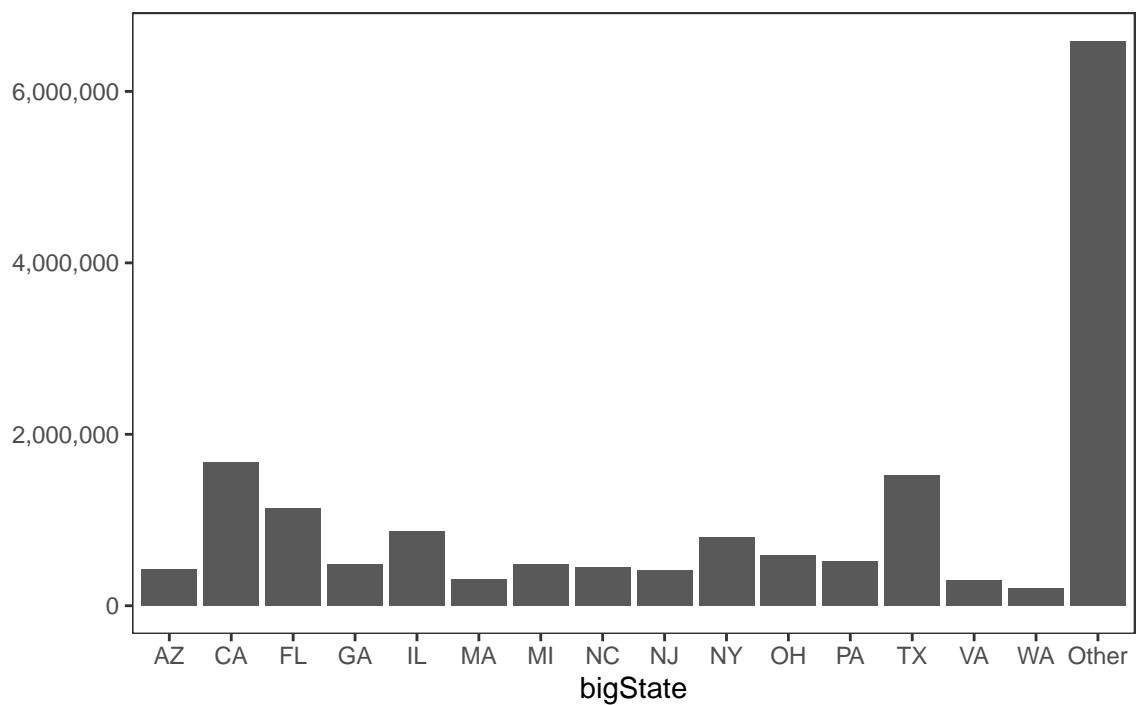
7-Day Change in Daily Deaths



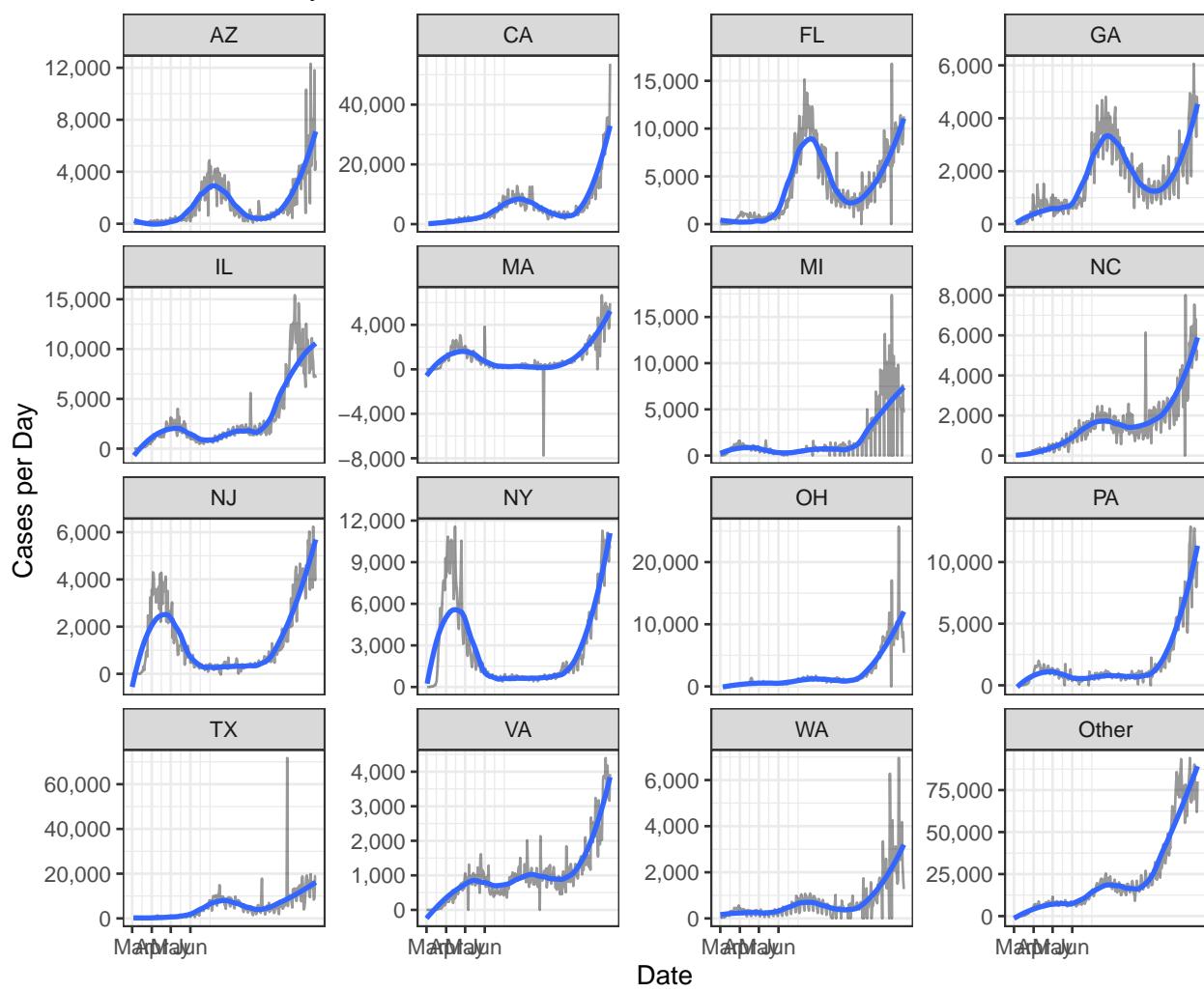


Cases

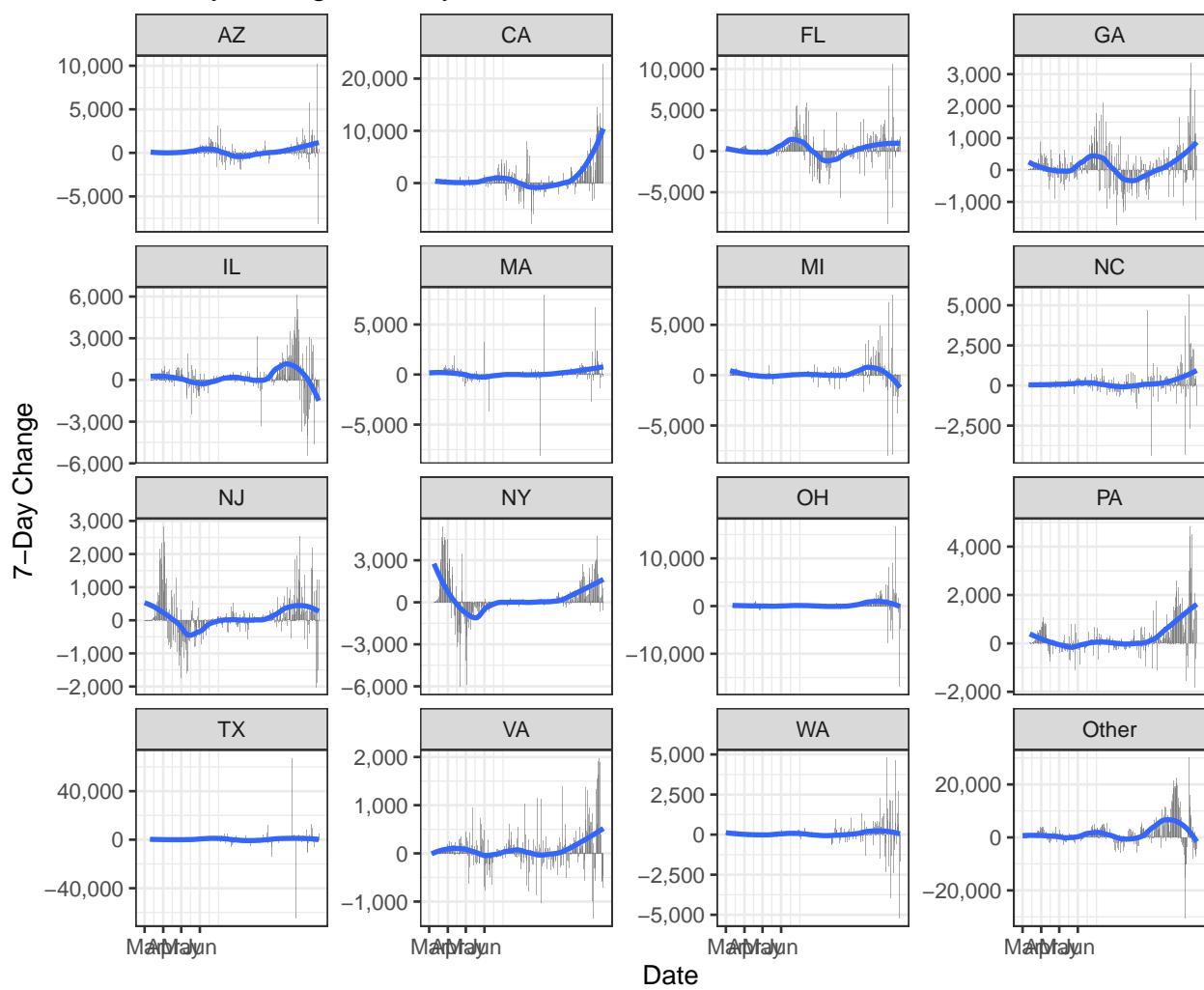
Cases by State

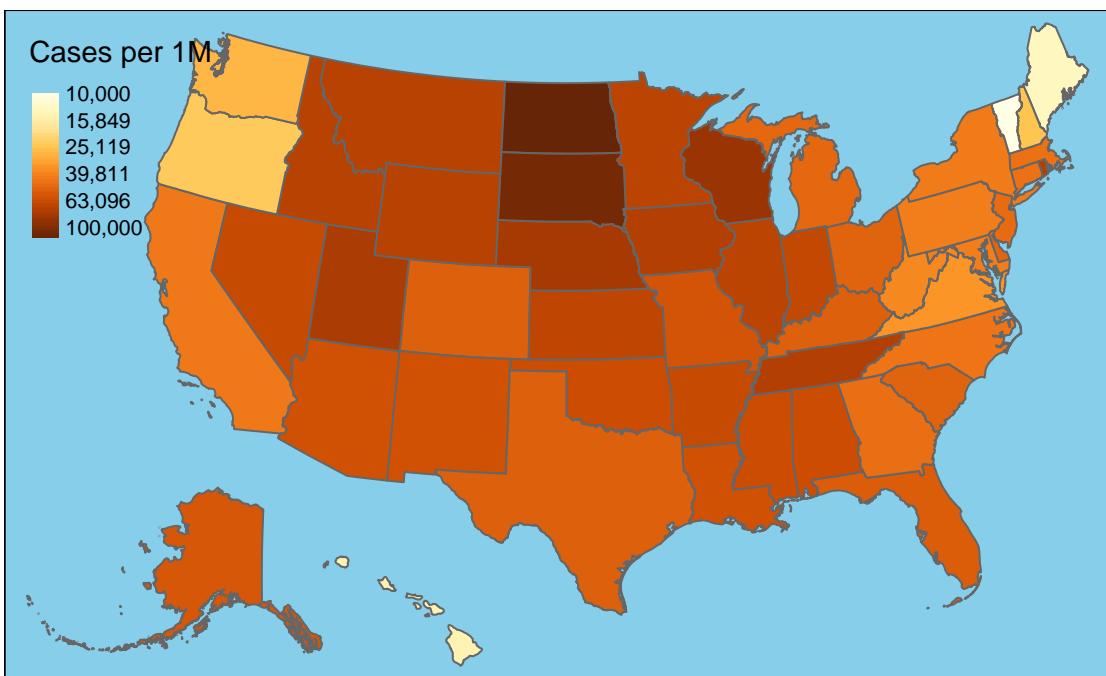
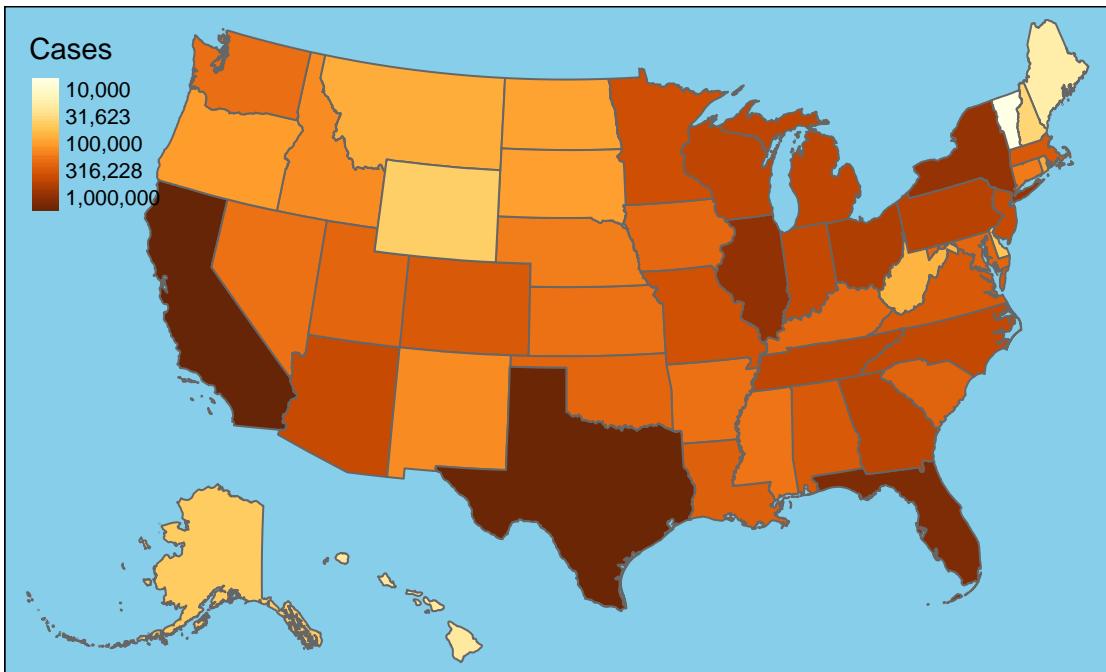


New Cases by State

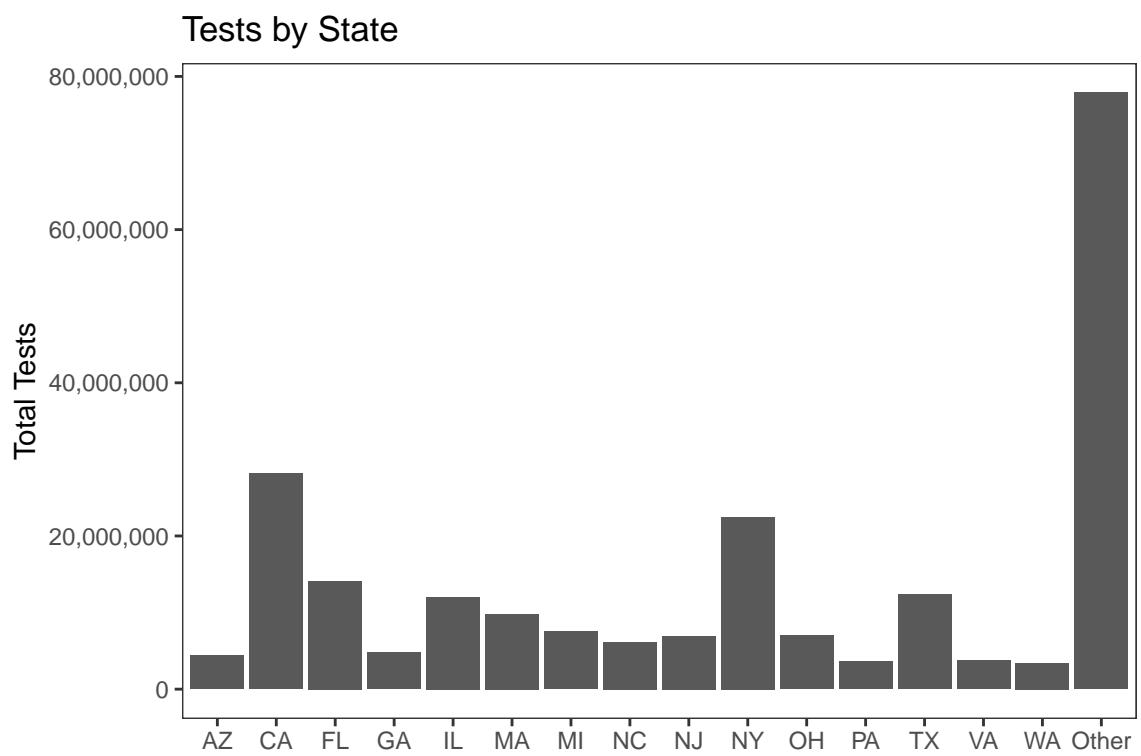


7-Day Change in Daily Cases

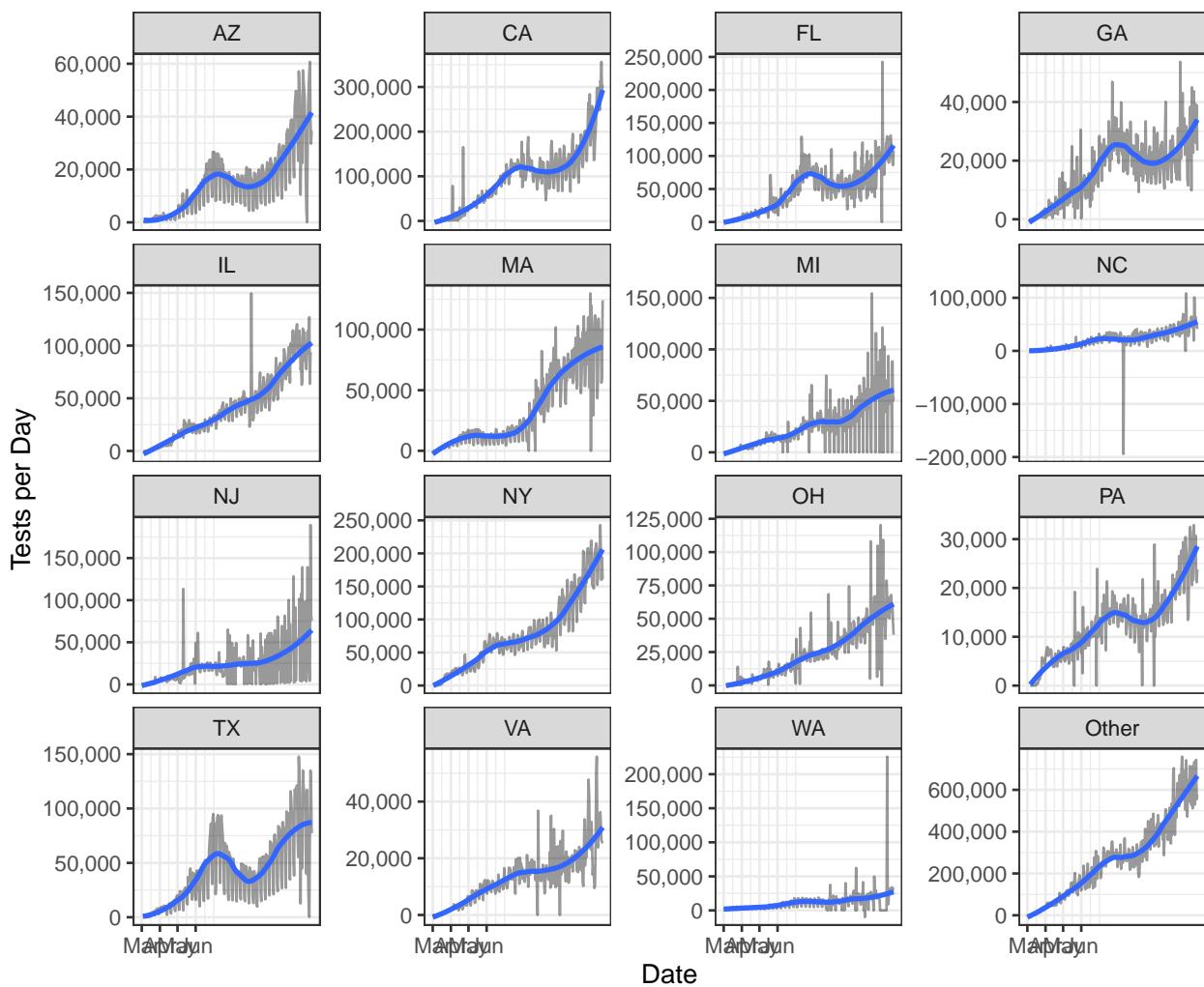


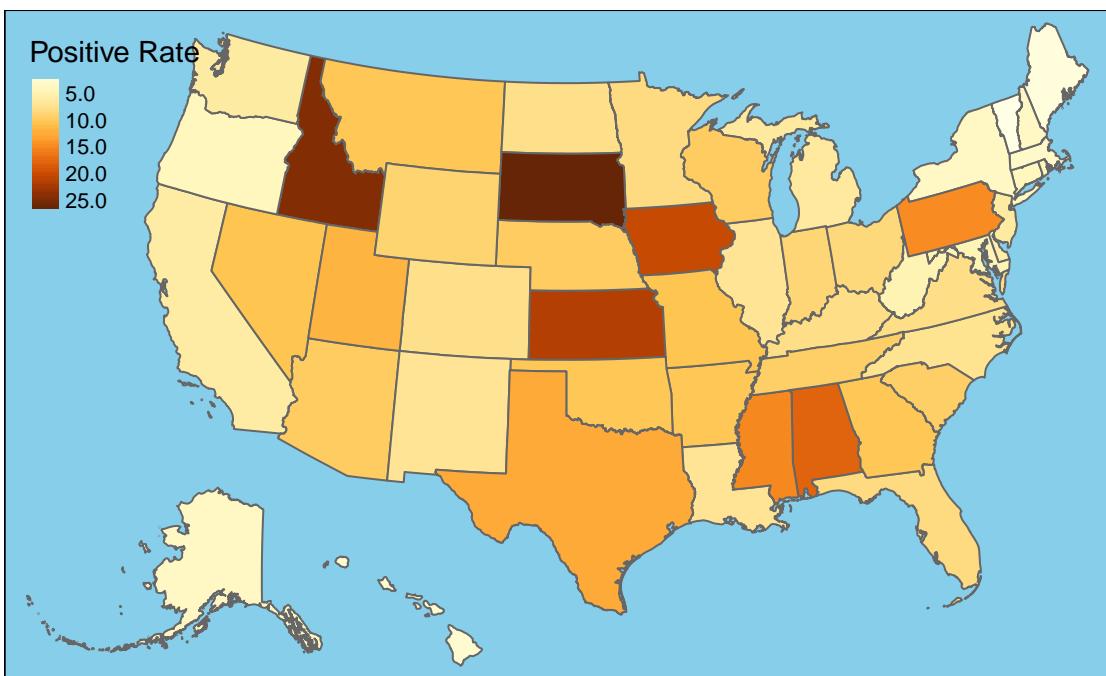
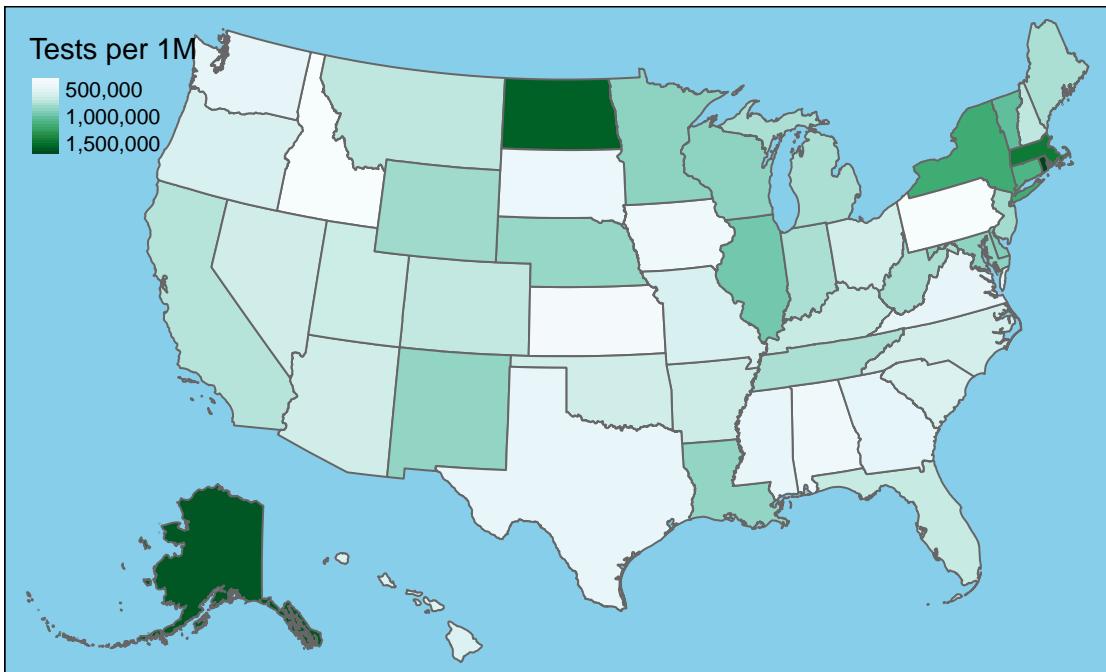


Testing



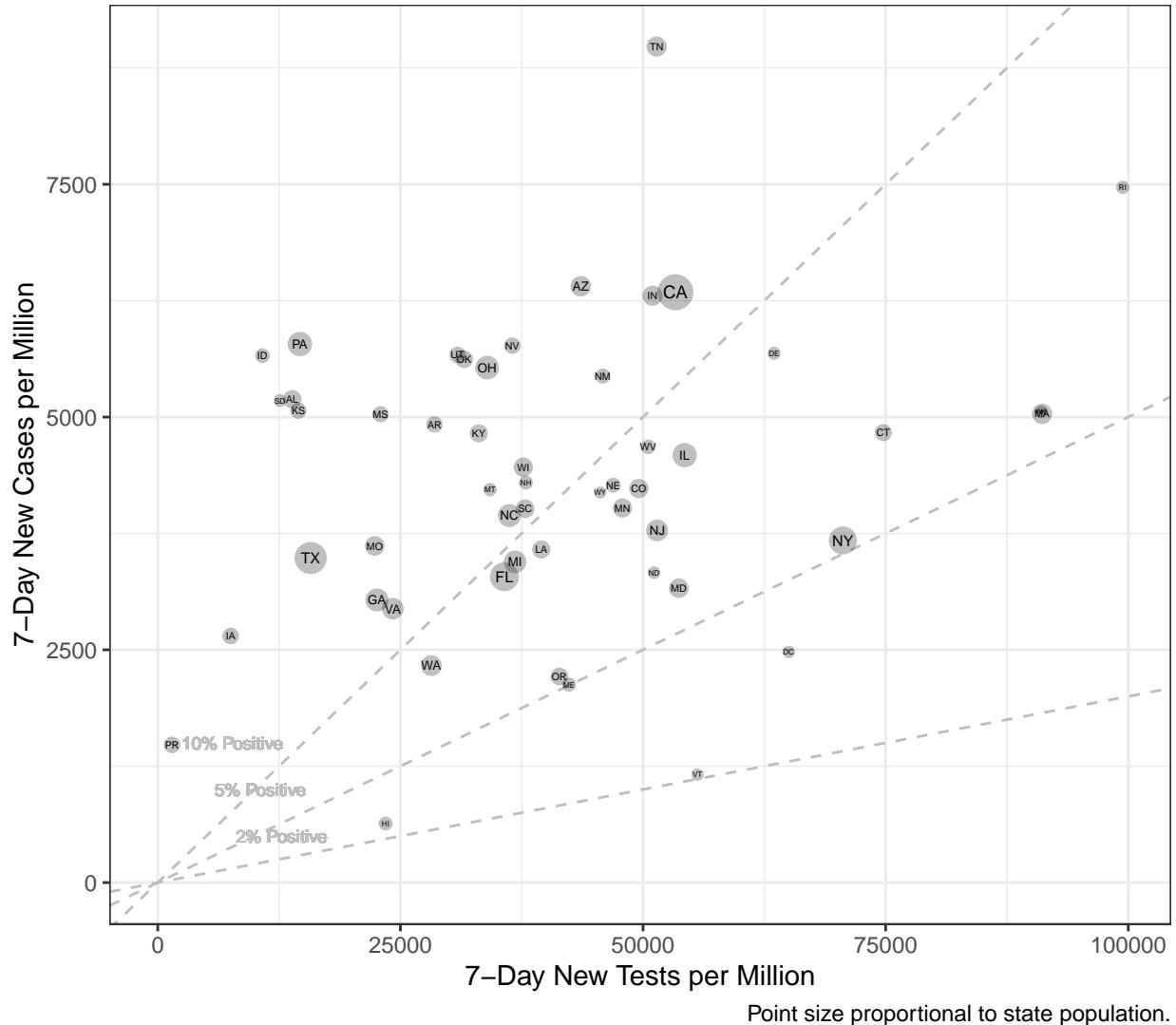
New Tests by State





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



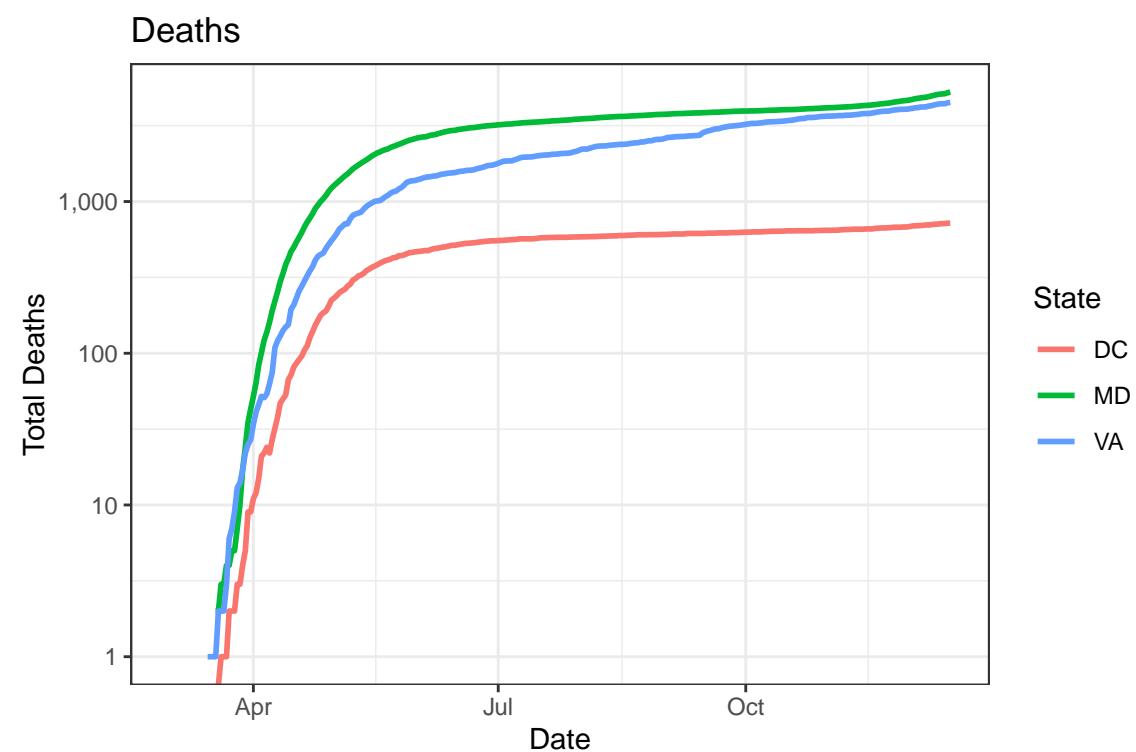
Local Data

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

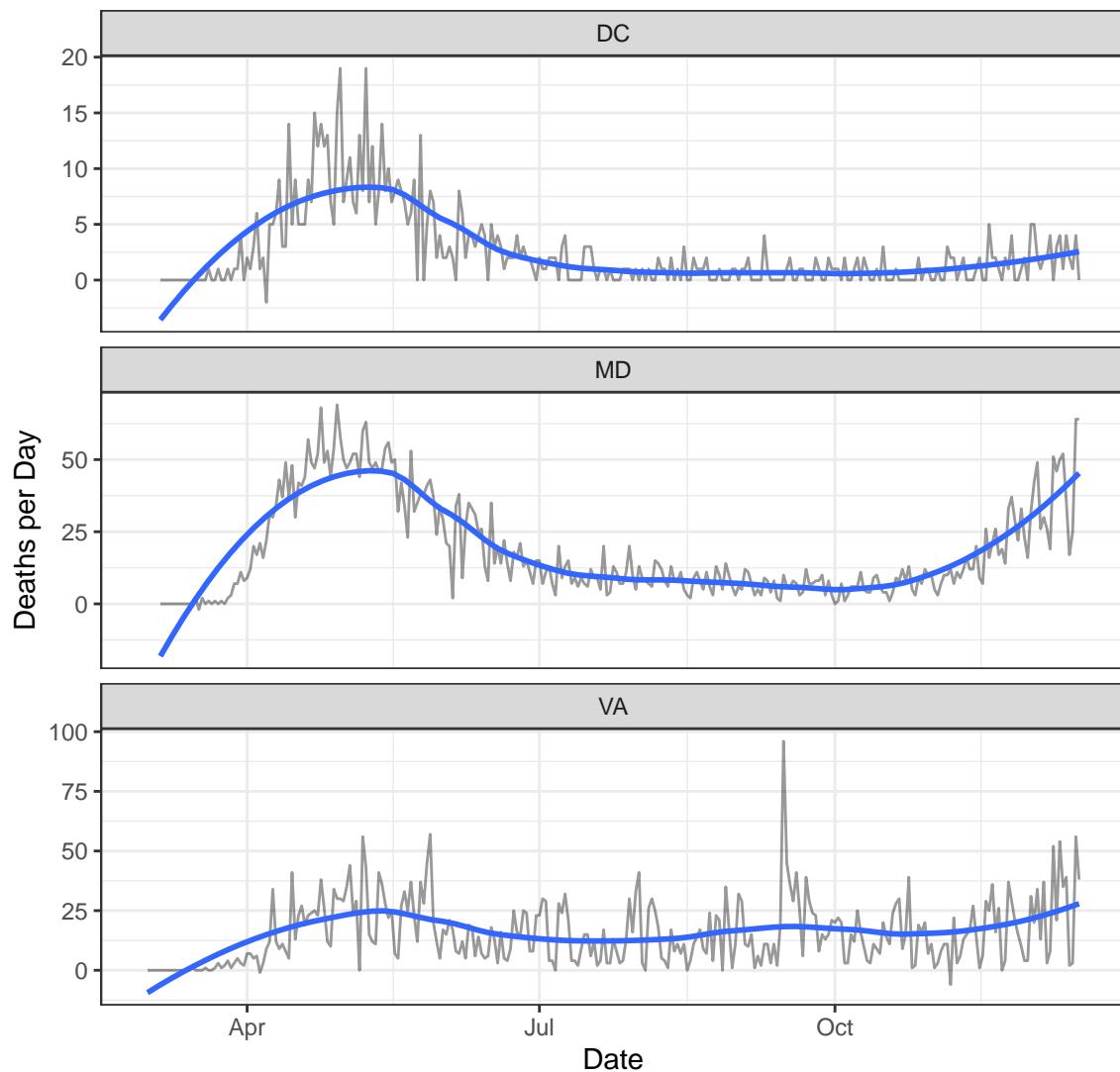
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	25,602	720	263	0
MD	241,767	5,270	2,405	64
VA	292,240	4,508	3,931	38

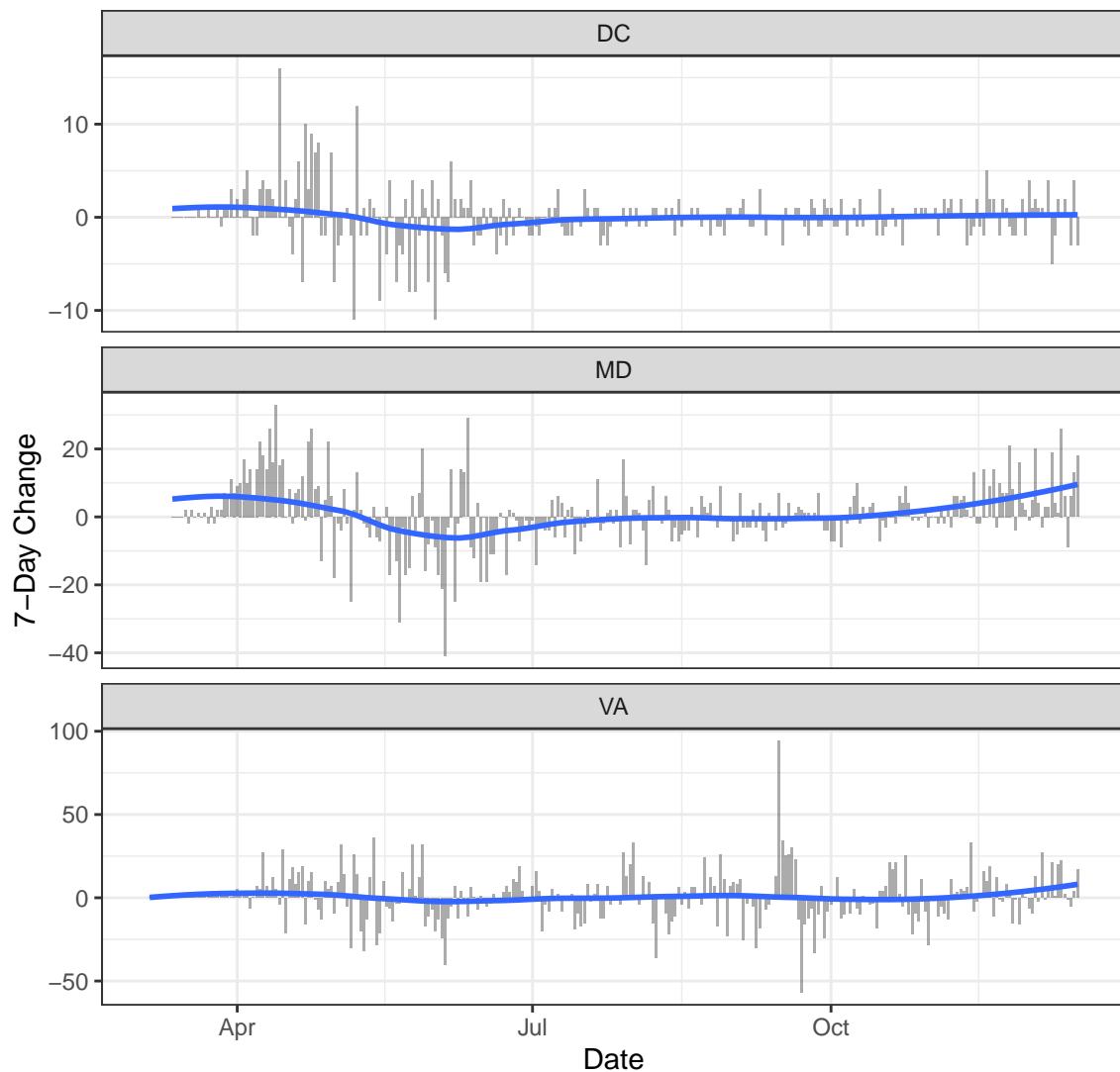
Deaths

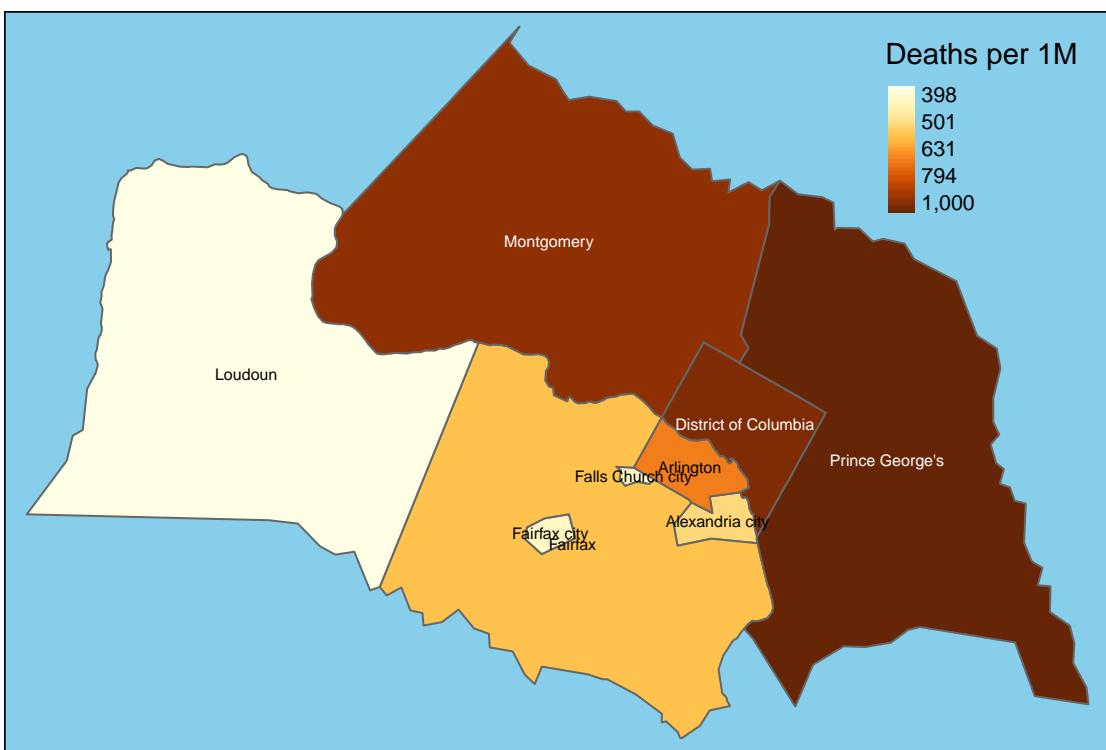
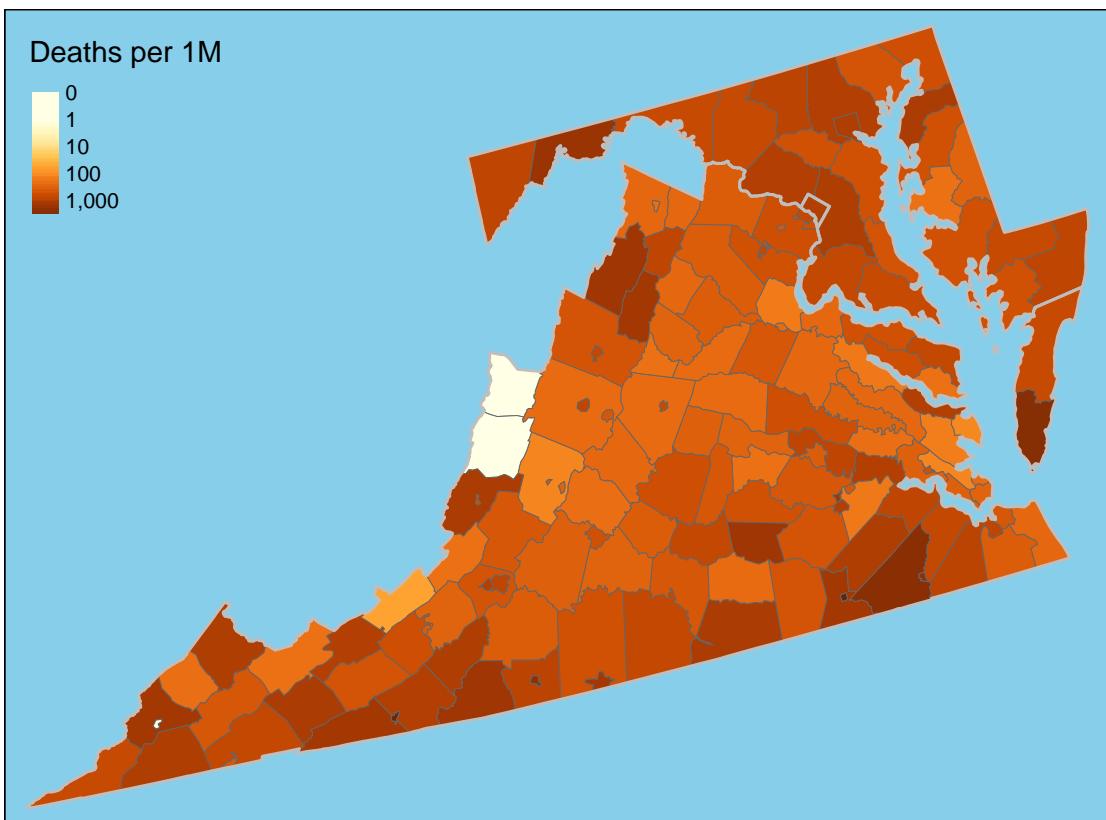


New Deaths

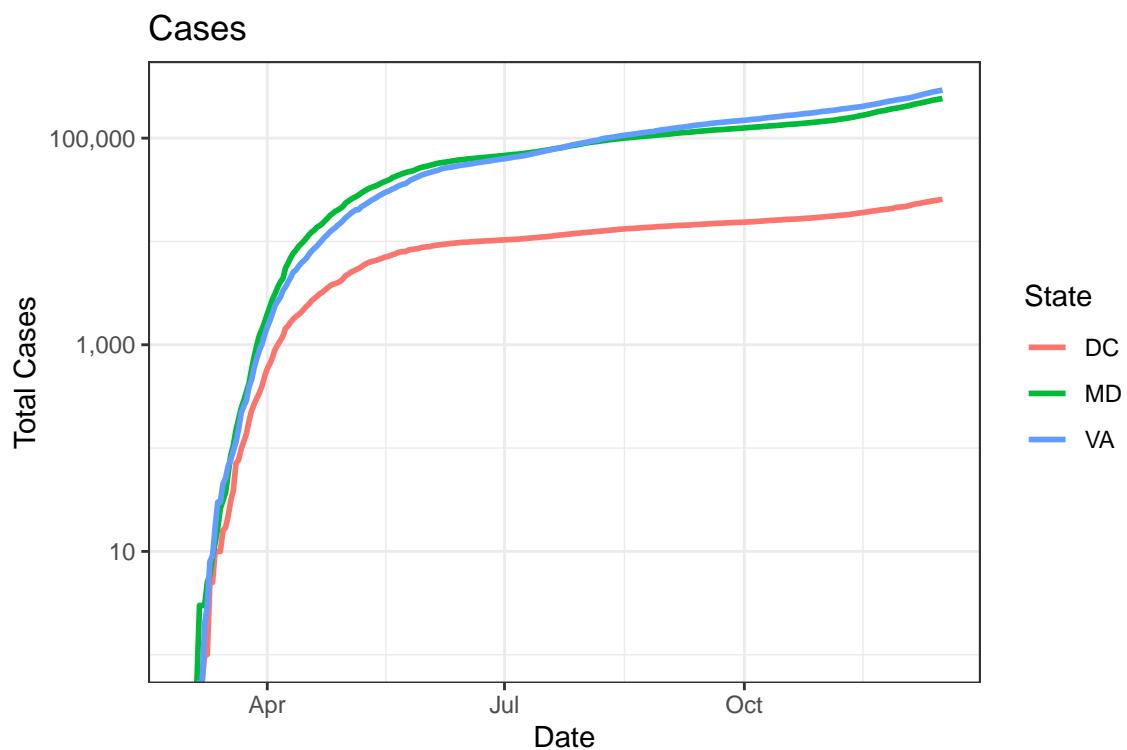


One-Week Change in Daily Deaths

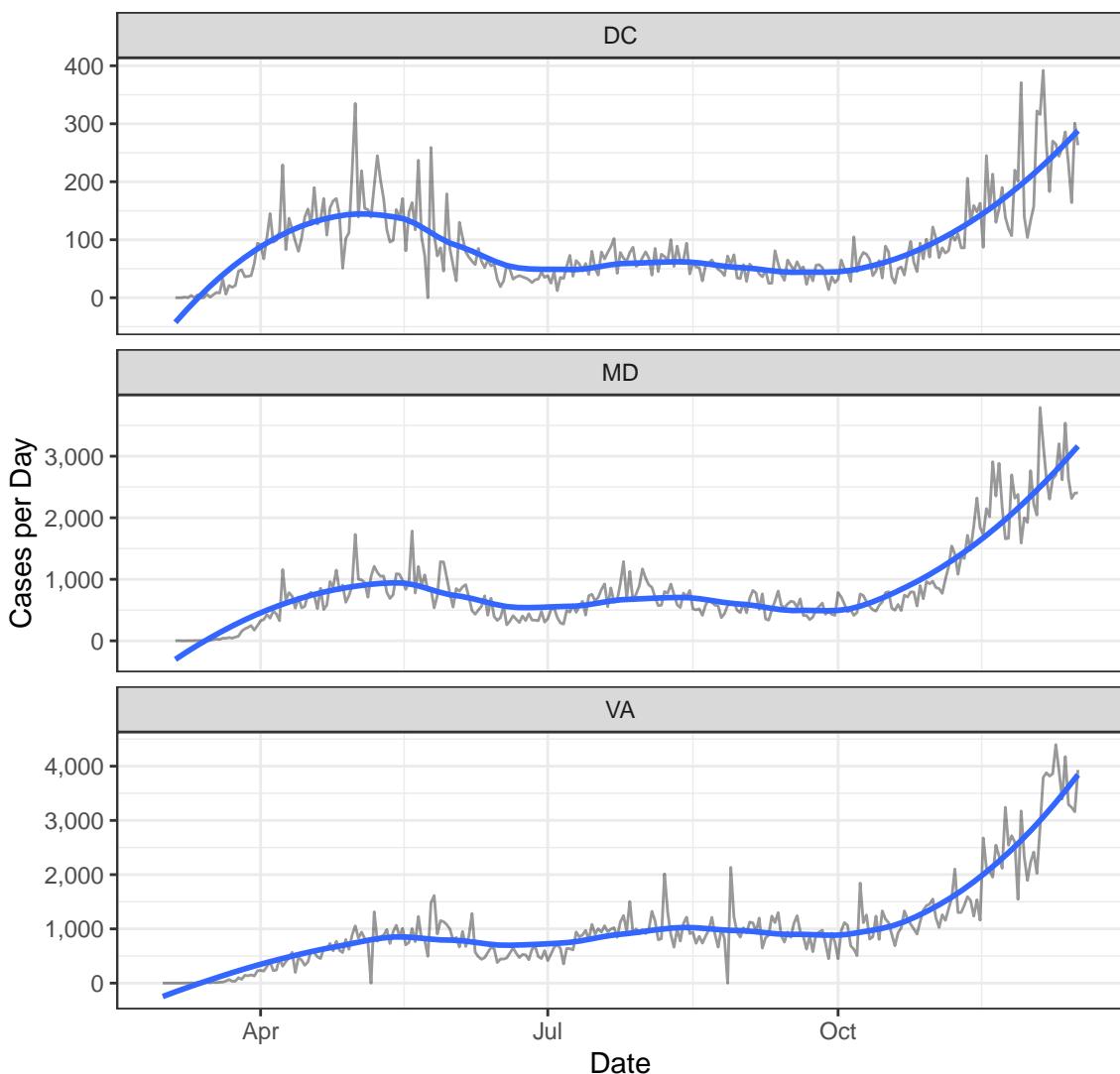




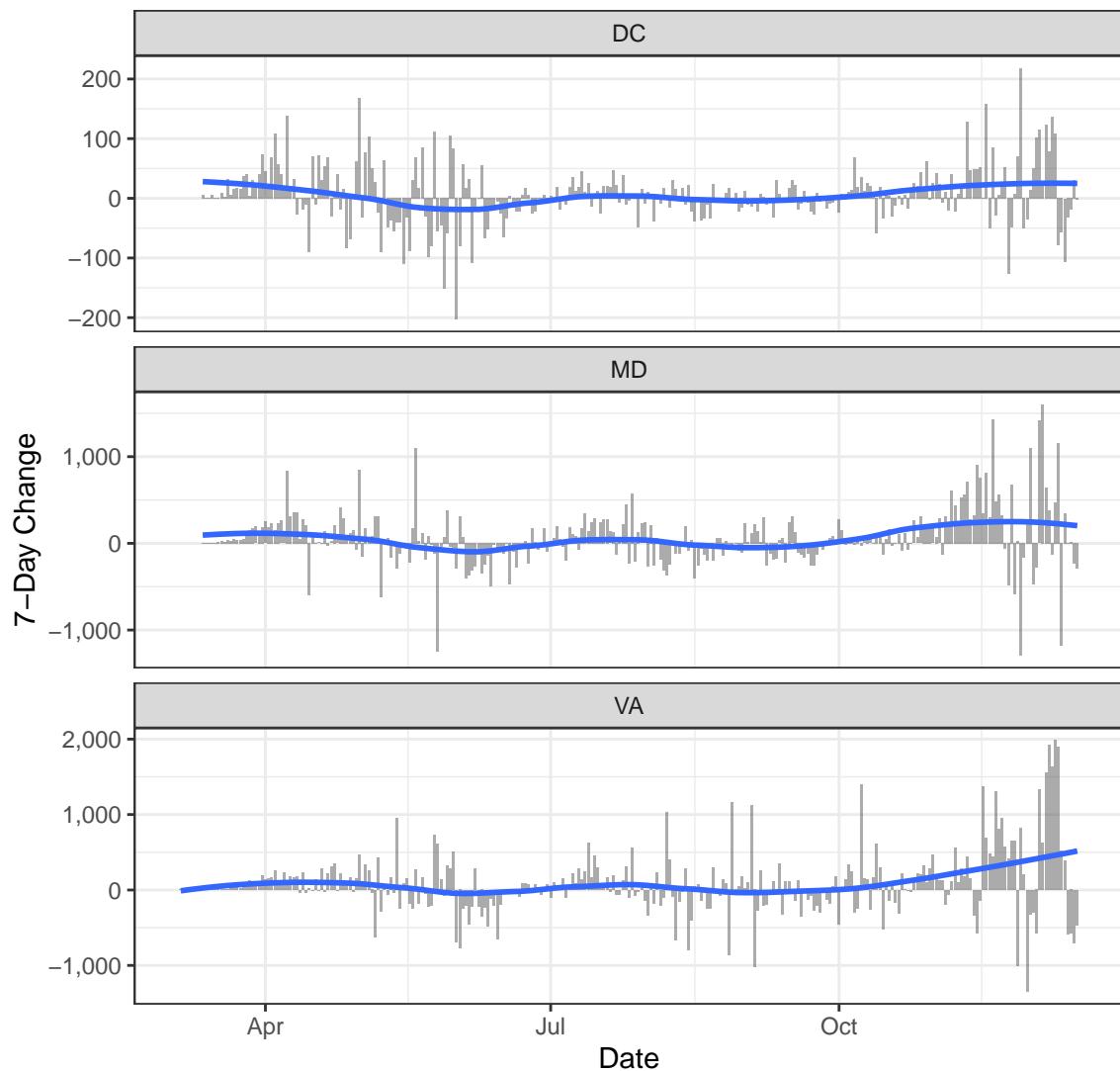
Cases

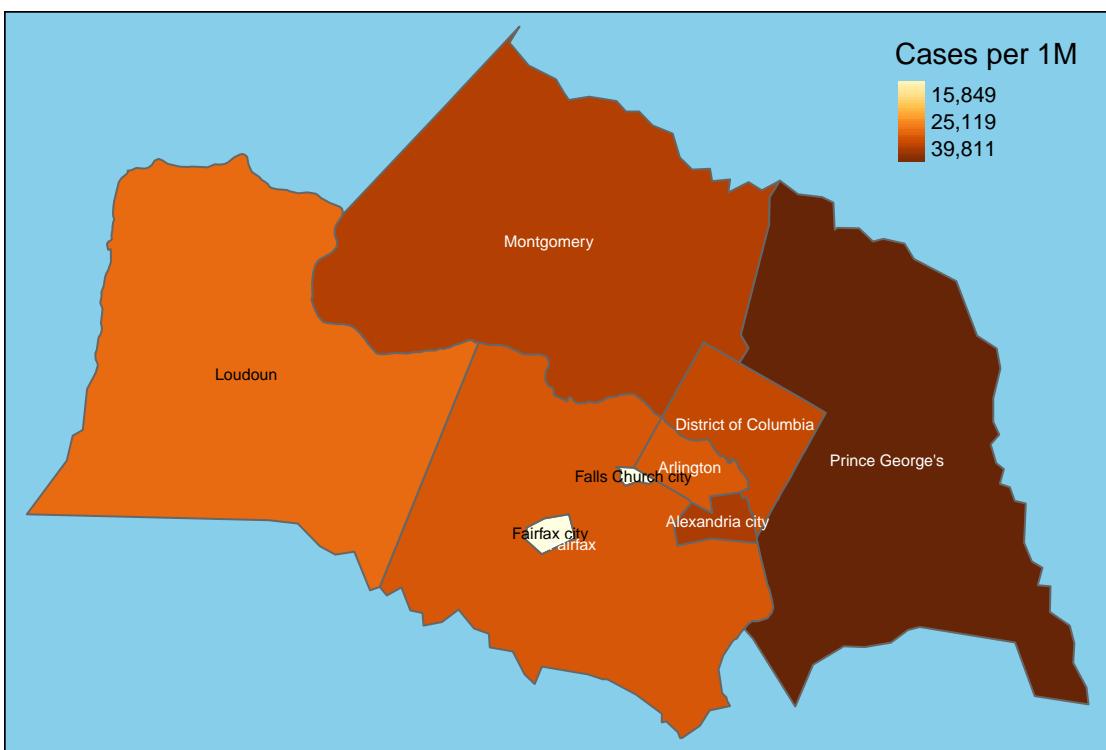
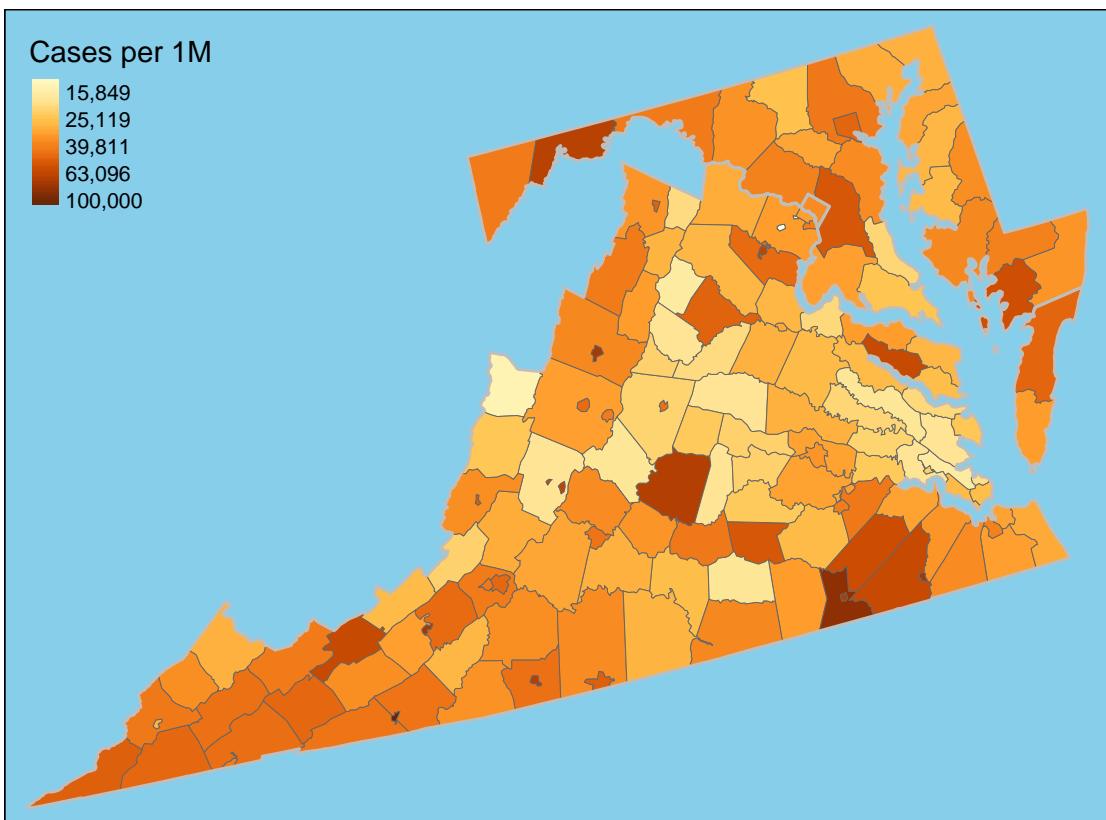


New Cases

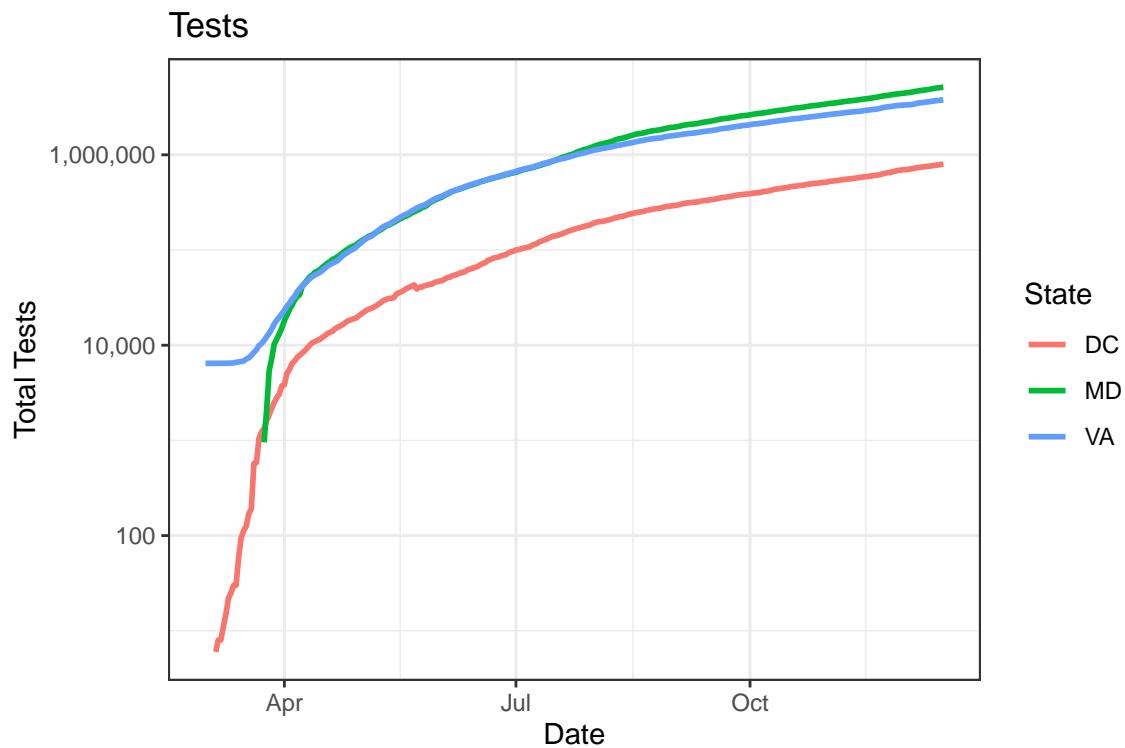


One-Week Change in Daily Cases

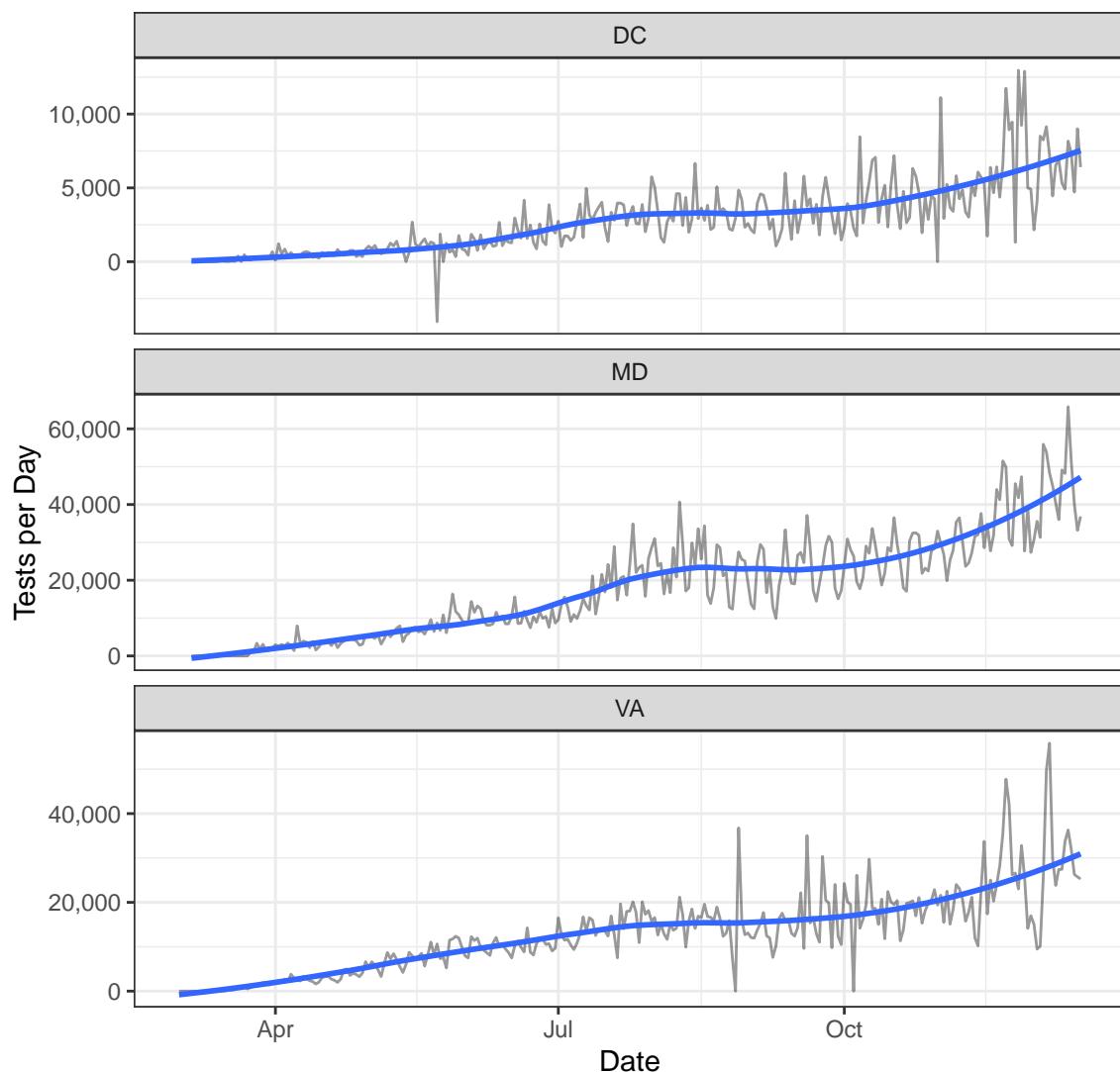




Testing



New Tests



Positive Test Rate

