

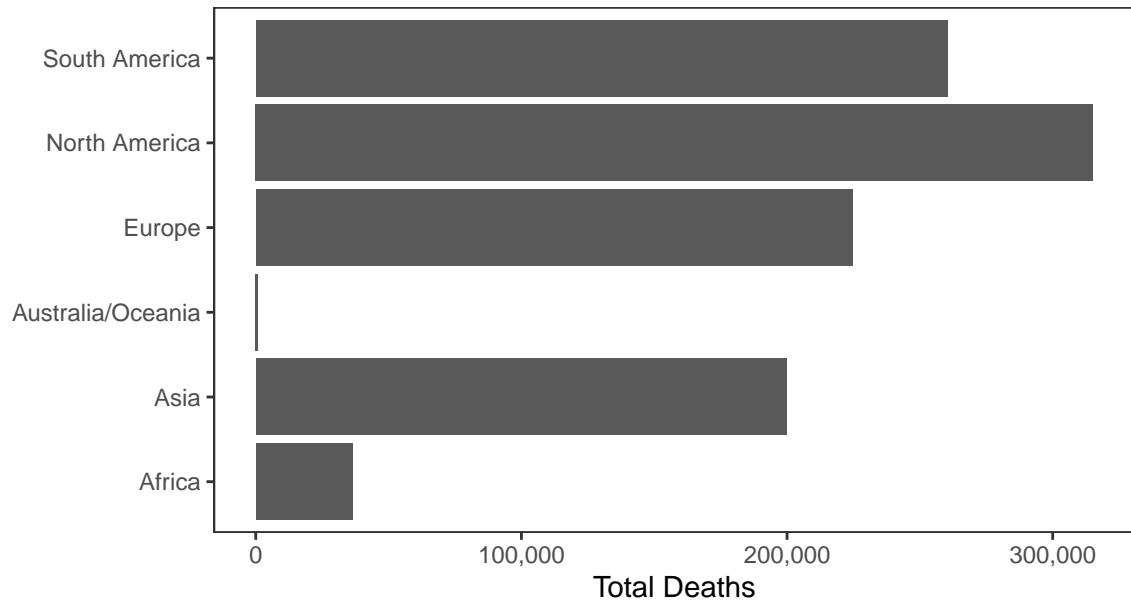
Erik's Covid-19 Chart Pack

Data updated 2020-10-04 21:28:35. 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 35,140,148 confirmed Covid-19 cases and 1,037,530 deaths worldwide.

Deaths



Cases

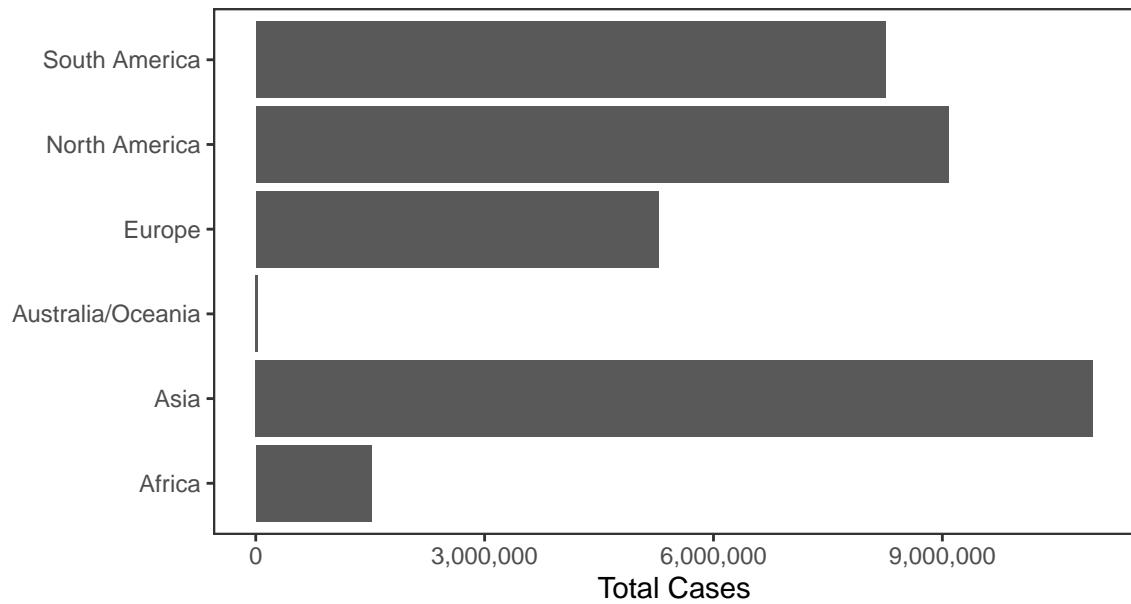
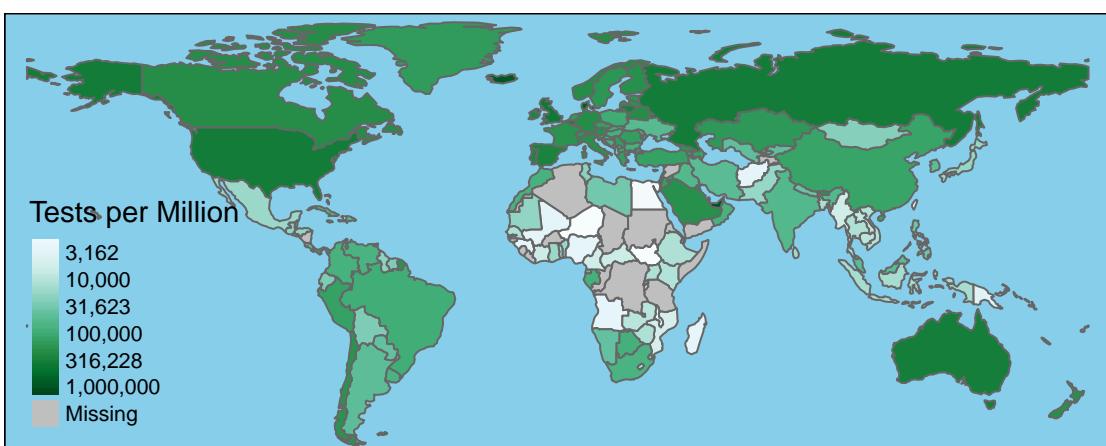
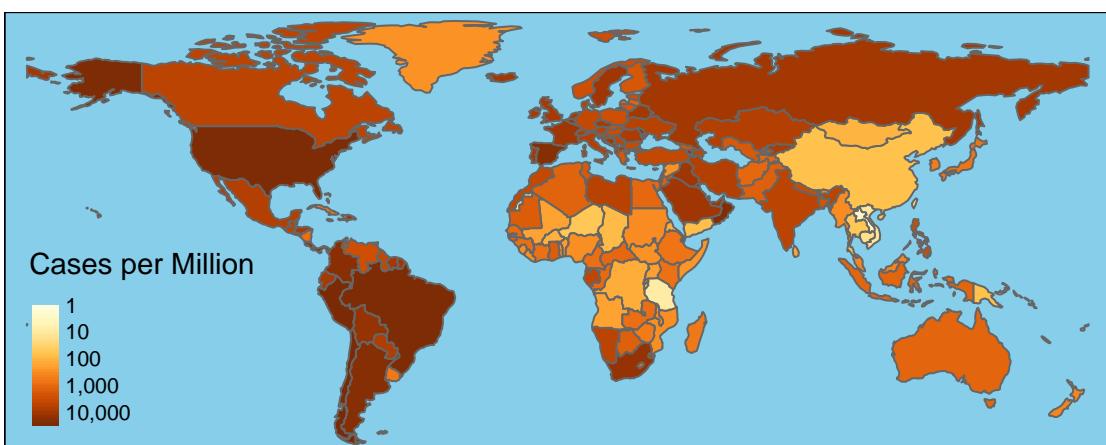
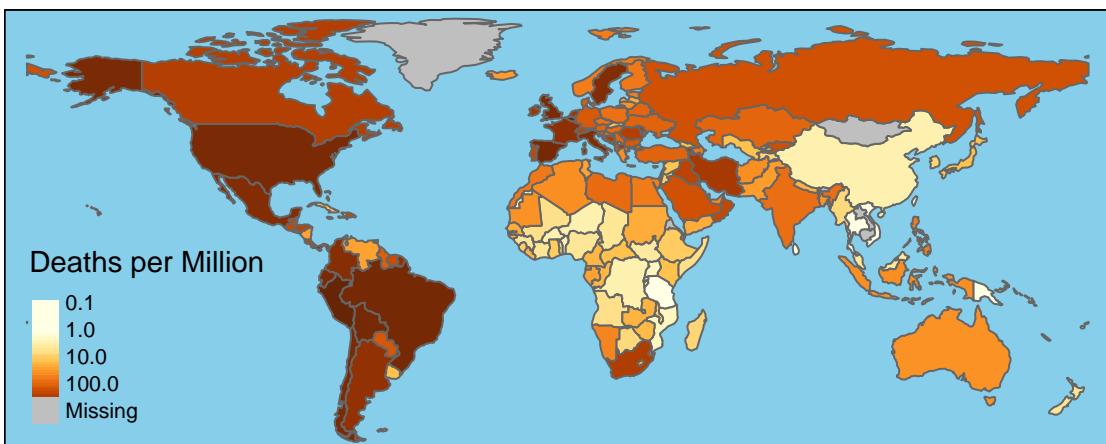


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,602,846	214,279	50,257	757
India	6,547,413	101,812	75,479	937
Brazil	4,906,833	146,011	24,602	580
Russia	1,204,502	21,251	9,859	174
Colombia	848,147	26,556	6,616	159
Peru	824,985	32,665	3,421	56
Spain	810,807	32,086	0	0
Argentina	790,818	20,795	11,129	196
Mexico	753,090	78,492	4,775	414
South Africa	679,716	16,938	1,883	29
France	606,625	32,198	16,972	49
UK	494,996	42,317	7,070	49
Chile	468,471	12,919	1,881	52
Iran	468,119	26,746	3,523	179
Iraq	375,931	9,347	3,672	49
Bangladesh	367,565	5,325	1,182	20
Saudi Arabia	335,997	4,850	419	27
Turkey	323,014	8,384	1,502	59
Italy	322,751	35,968	2,844	27
Philippines	319,307	5,676	2,651	60



National Data

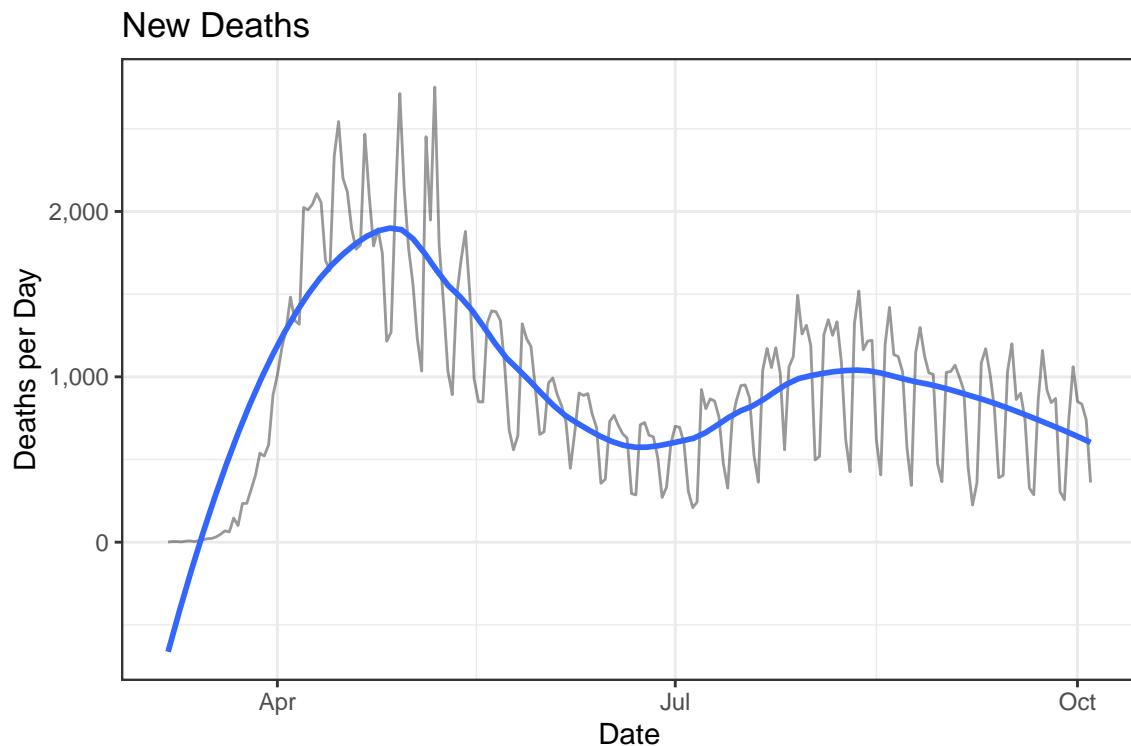
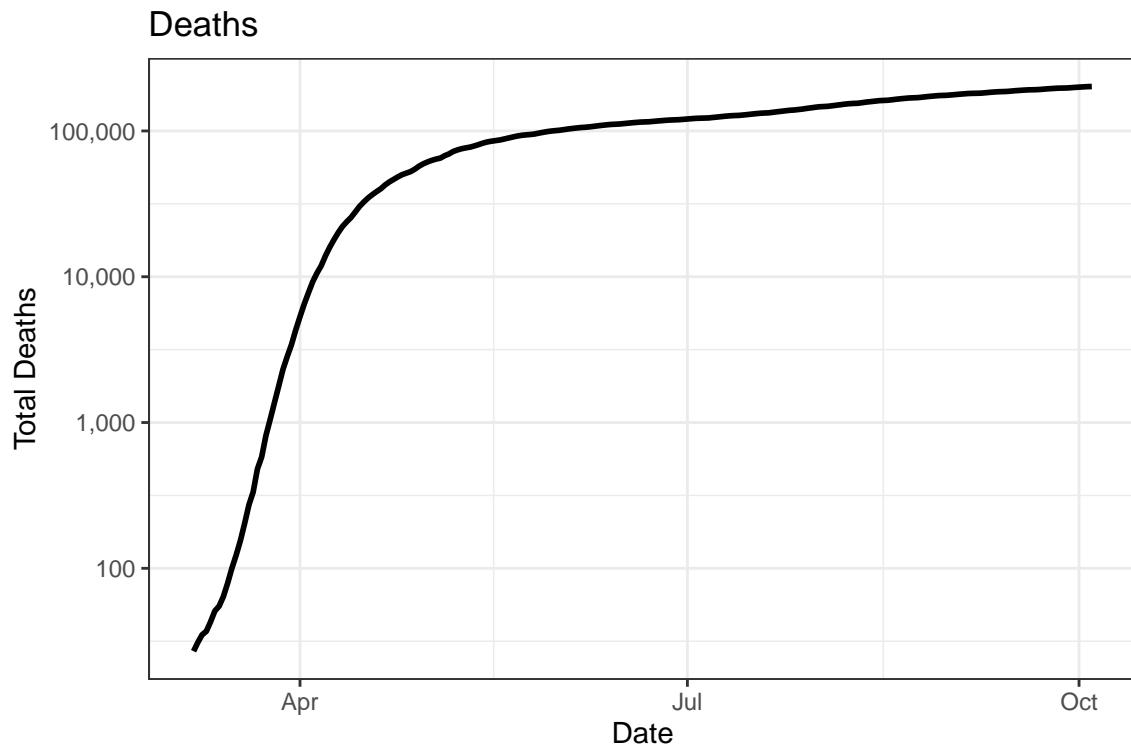
There have been 7,383,499 confirmed Covid-19 cases and 201,712 deaths in the United States.

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

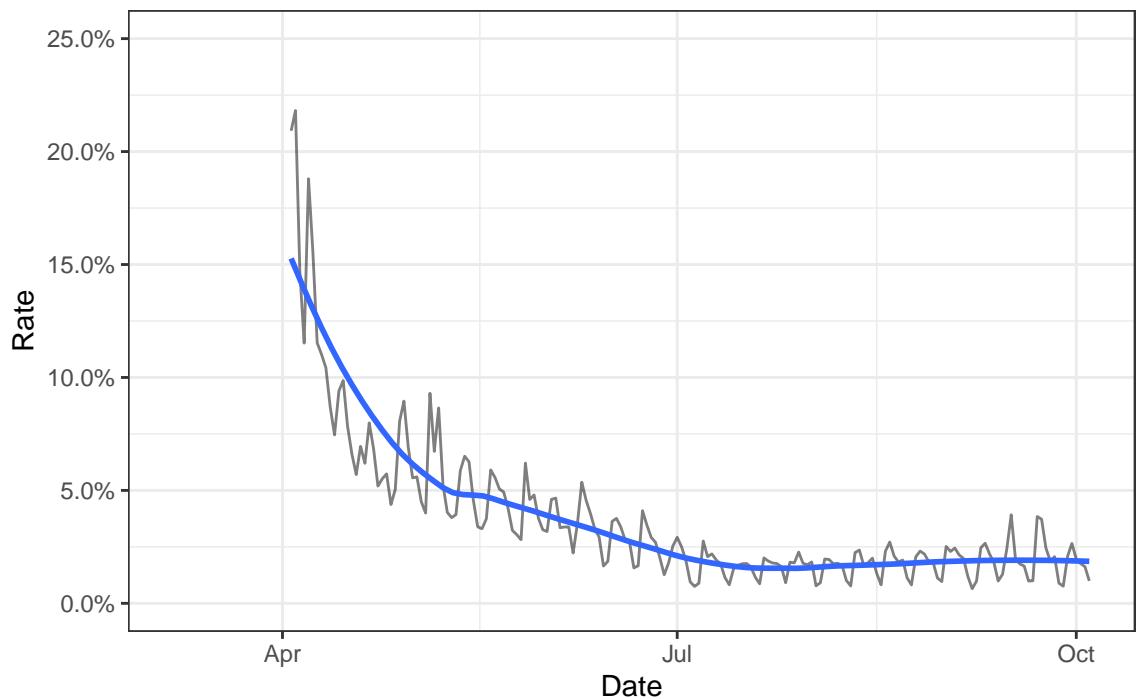
Date	Cases	Deaths	New Cases	New Deaths
2020-10-04	7,383,499	201,712	38,267	361
2020-10-03	7,345,232	201,351	51,203	740
2020-10-02	7,294,029	200,611	49,534	835
2020-10-01	7,244,495	199,776	45,694	851
2020-09-30	7,198,801	198,925	44,424	1,061
2020-09-29	7,154,377	197,864	36,947	739
2020-09-28	7,117,430	197,125	36,524	257
2020-09-27	7,080,906	196,868	35,454	307
2020-09-26	7,045,452	196,561	47,856	869
2020-09-25	6,997,596	195,692	55,526	844
2020-09-24	6,942,070	194,848	43,772	921
2020-09-23	6,898,298	193,927	38,567	1,159
2020-09-22	6,859,731	192,768	49,439	854
2020-09-21	6,810,292	191,914	39,472	287

Deaths

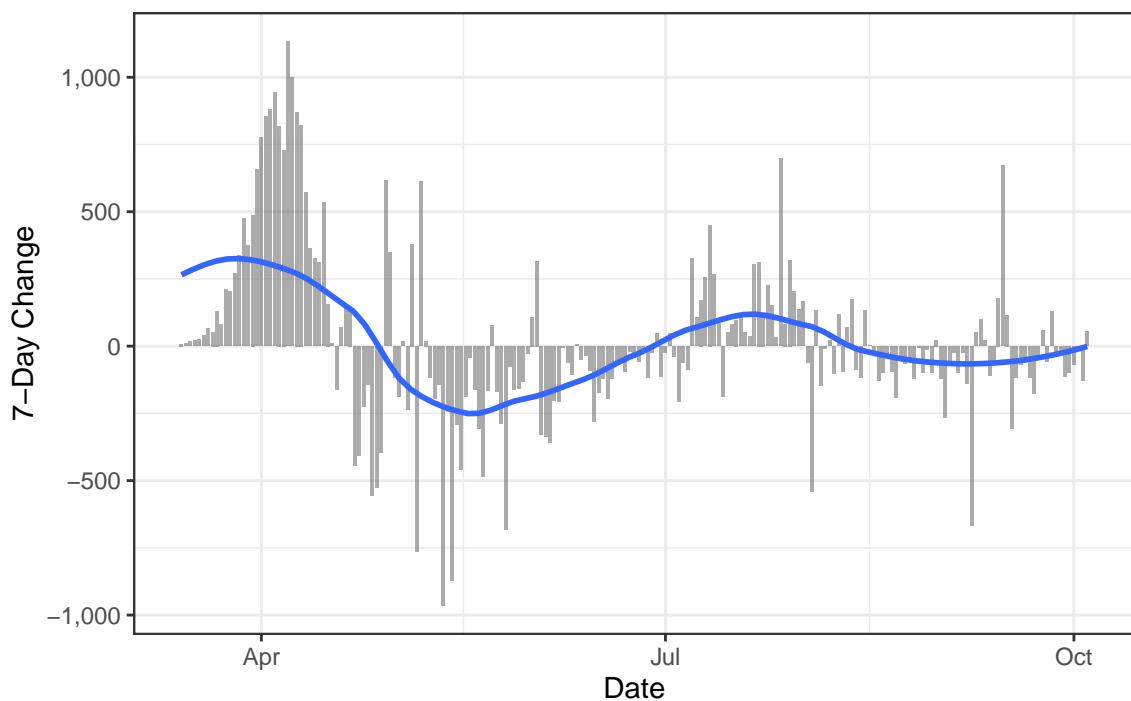
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

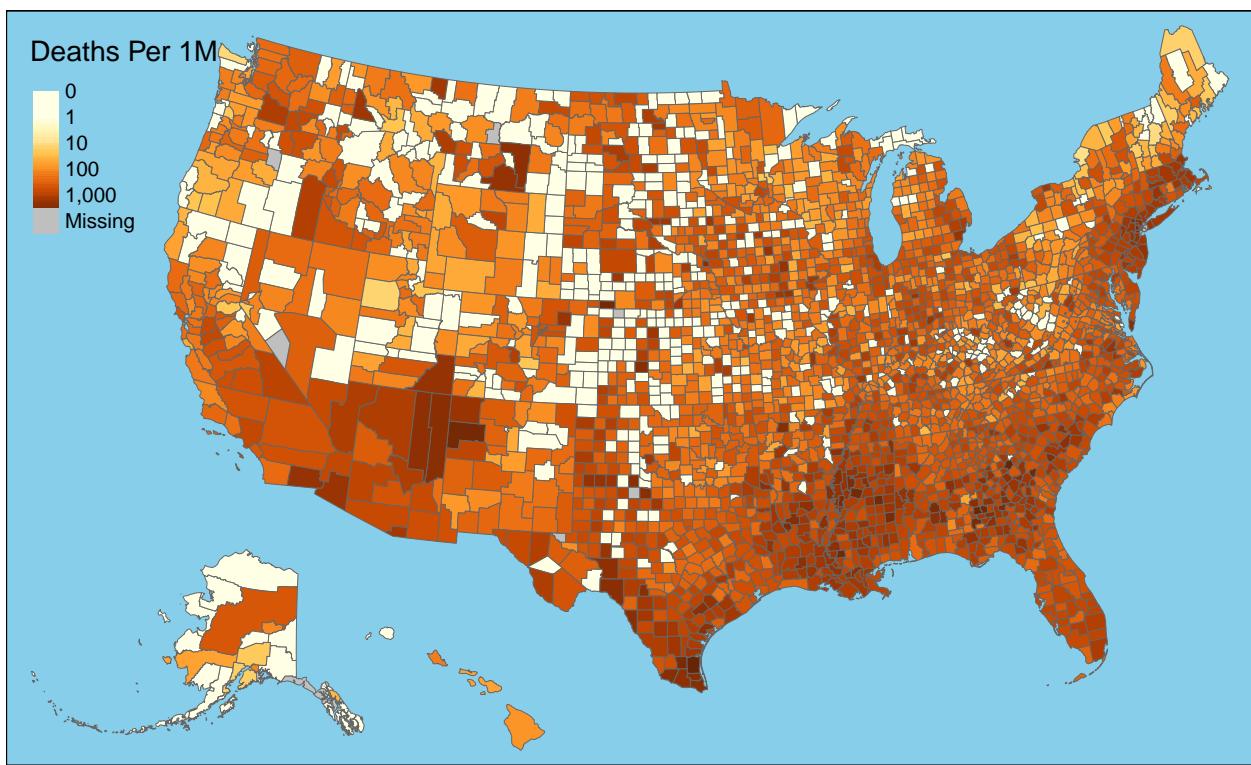


Daily Case Mortality Rate



One-Week Change in Daily Deaths

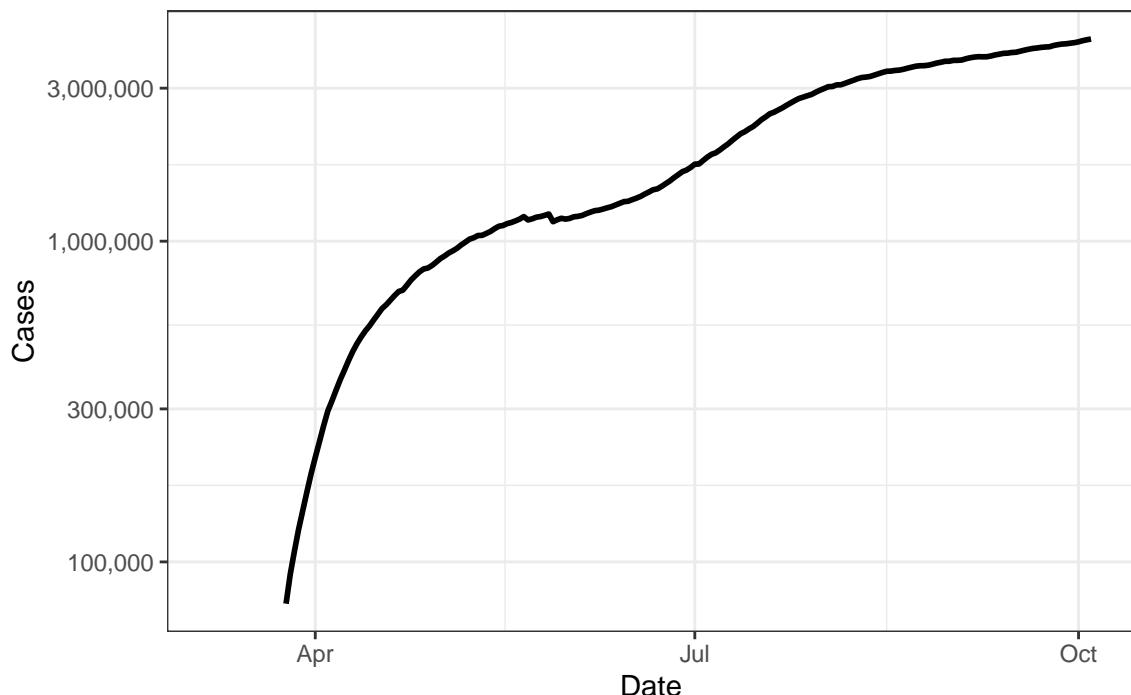




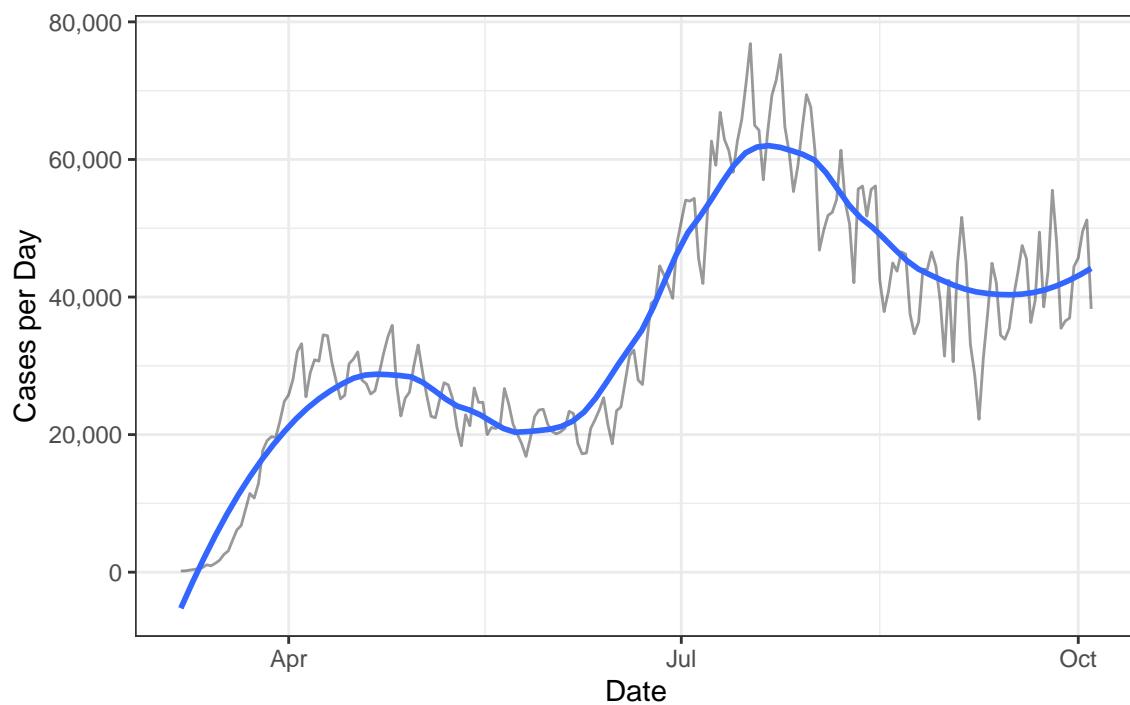
Cases

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

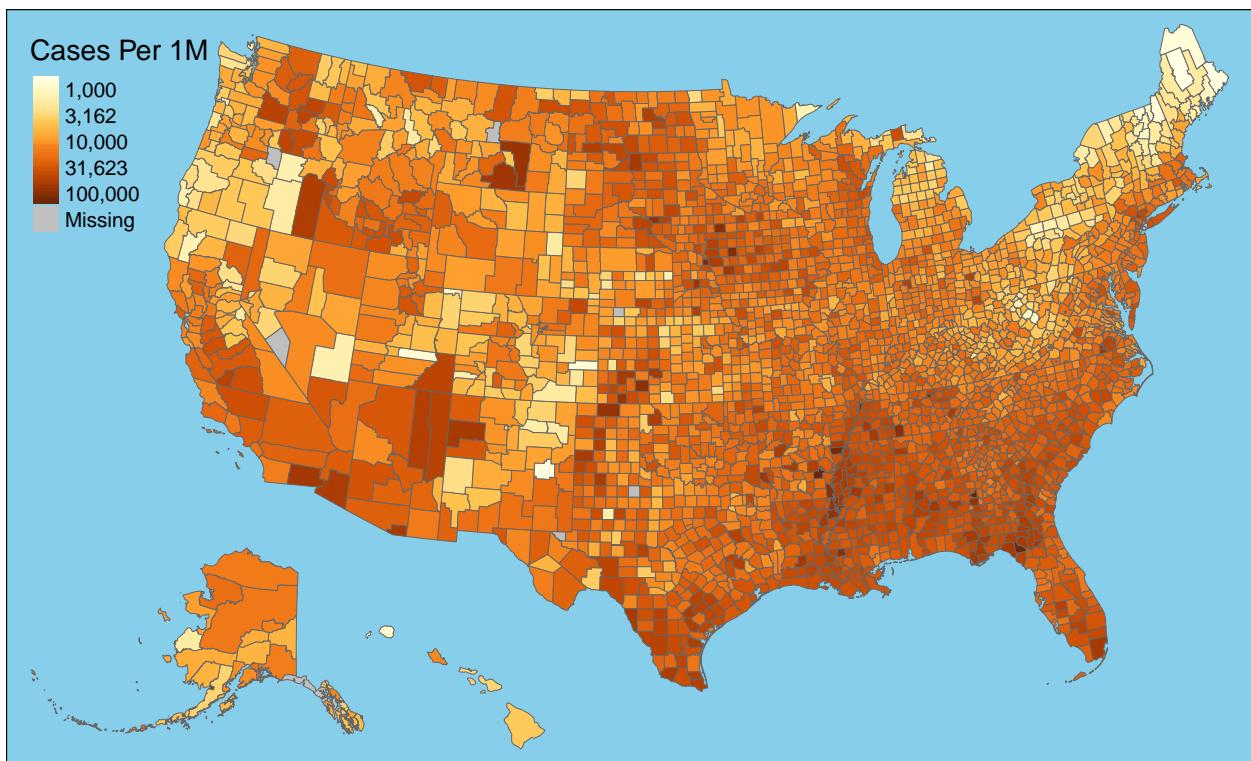
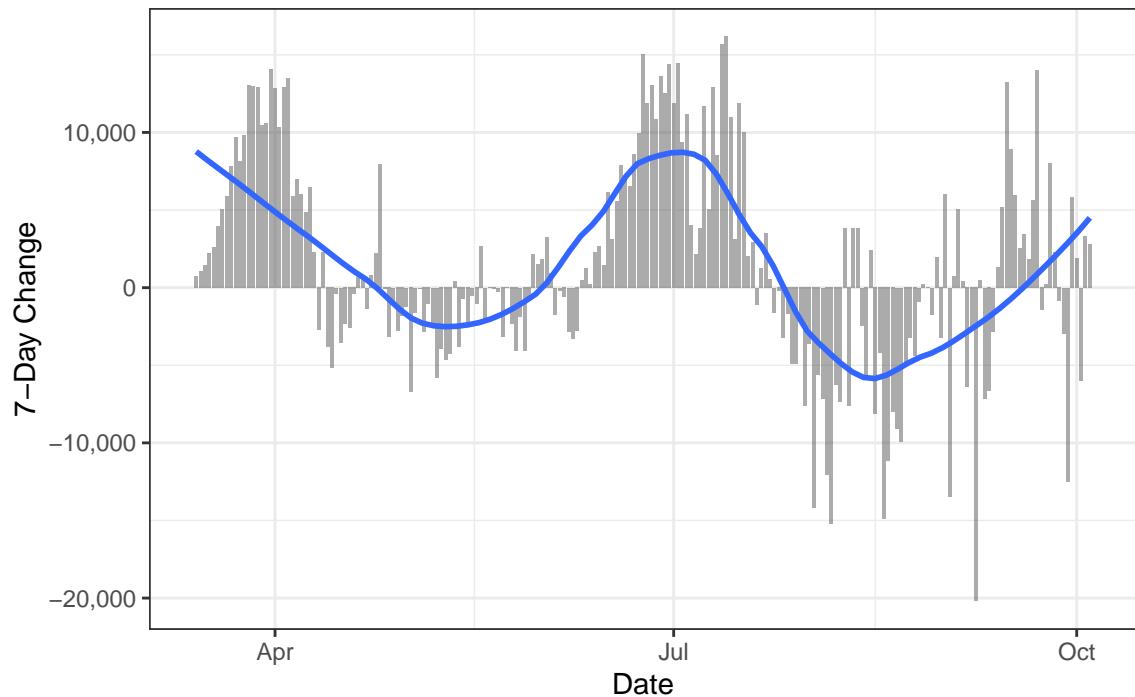
Active Cases



New Cases

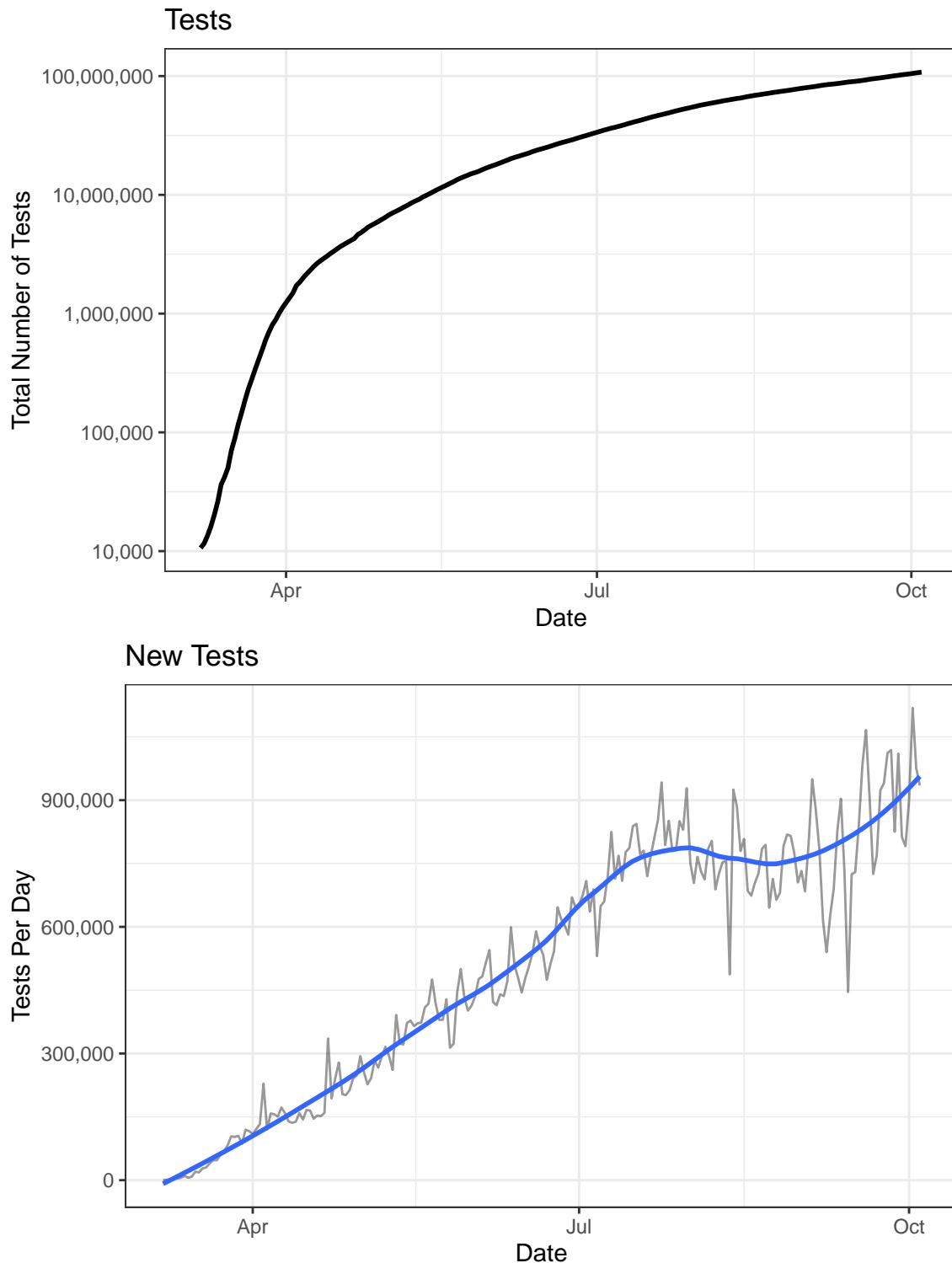


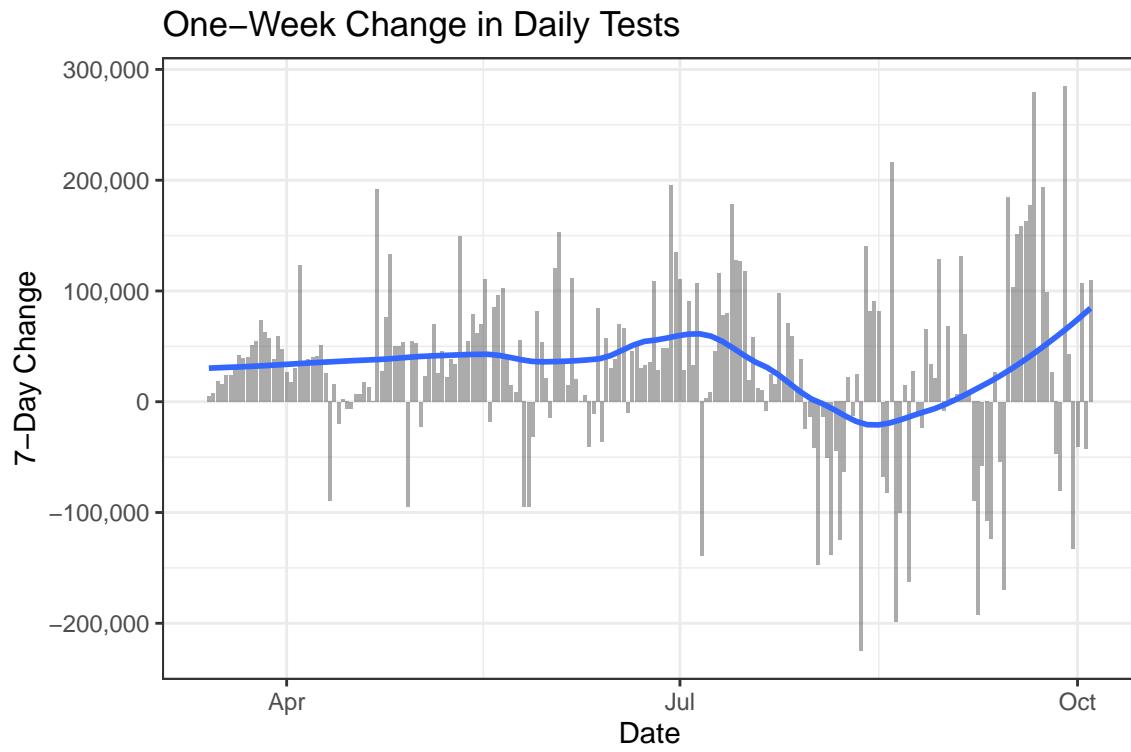
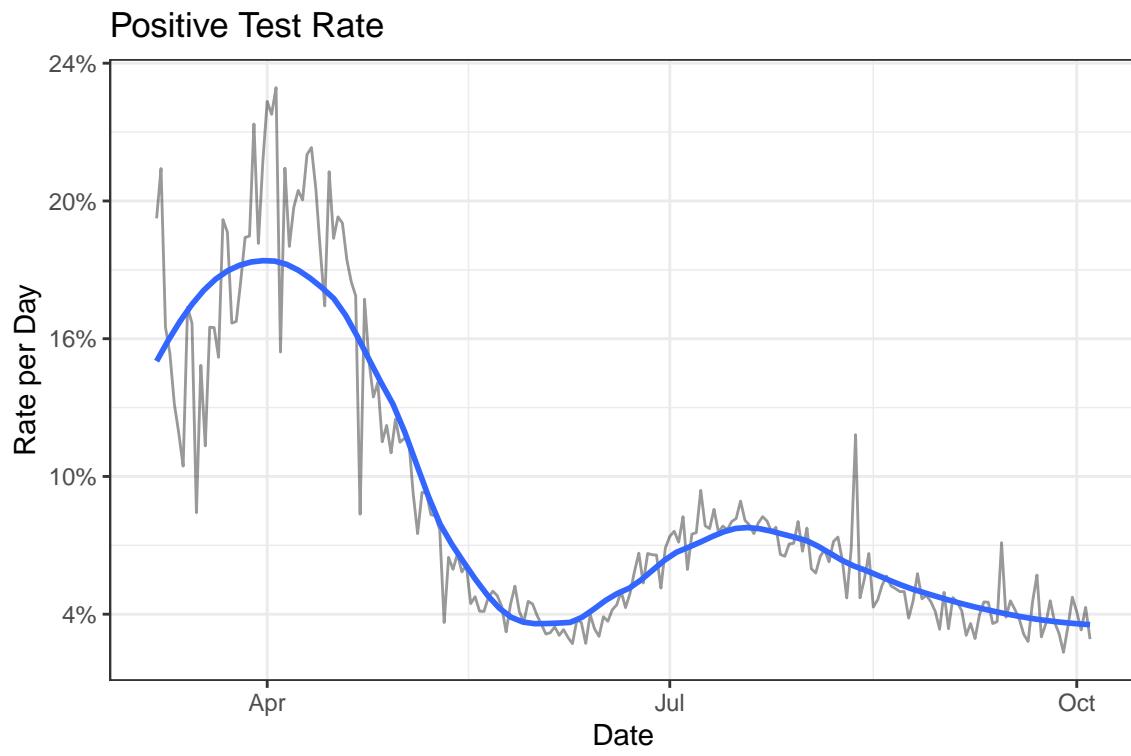
One-Week Change in Daily Cases



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.



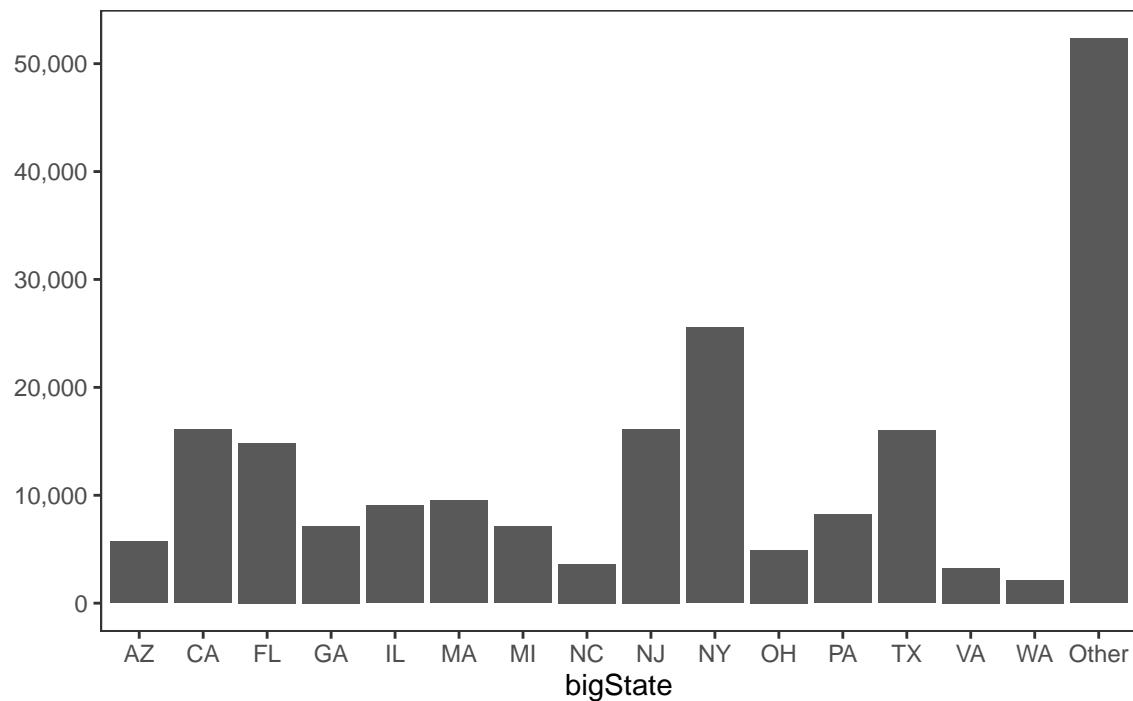


State Data

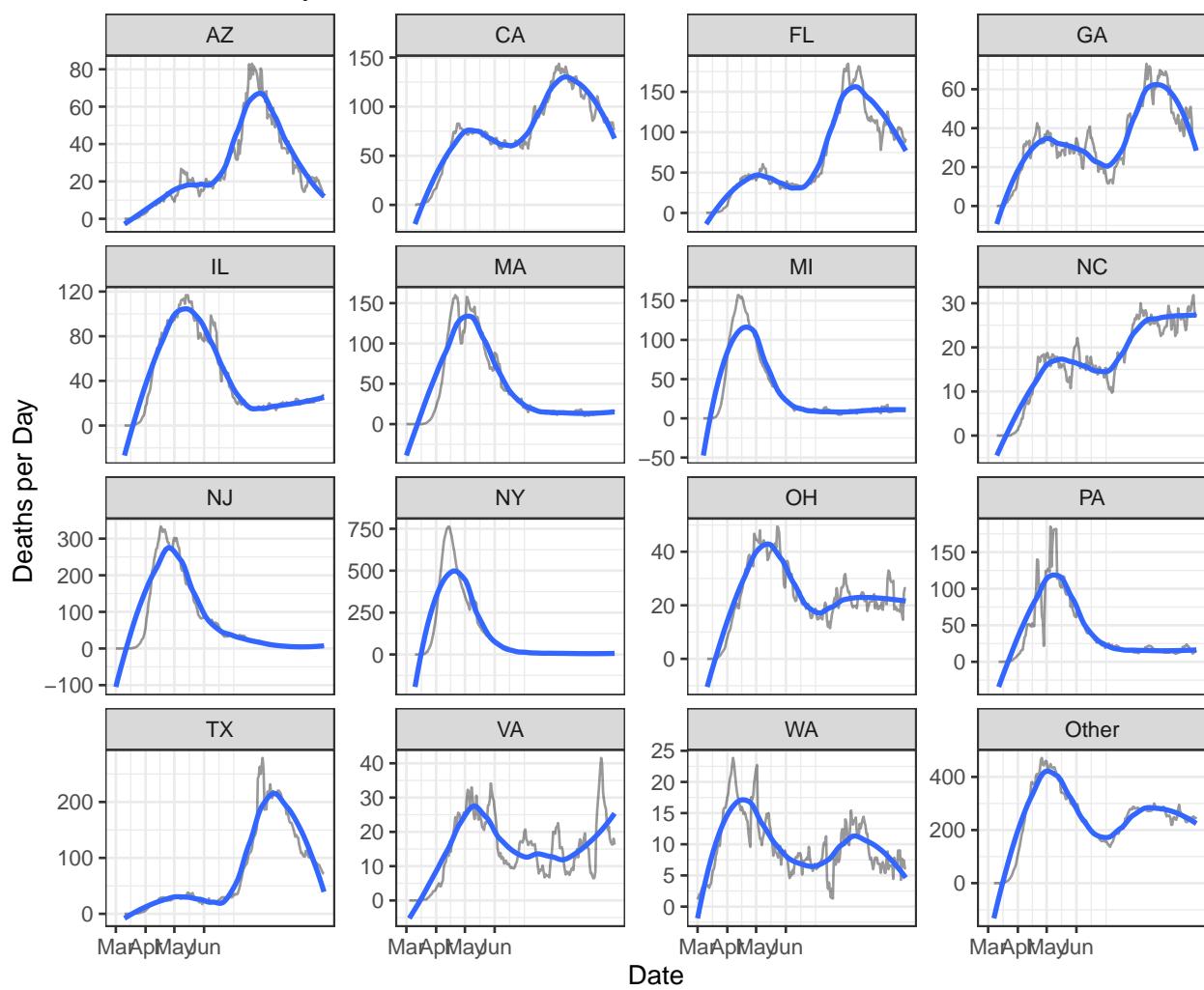
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

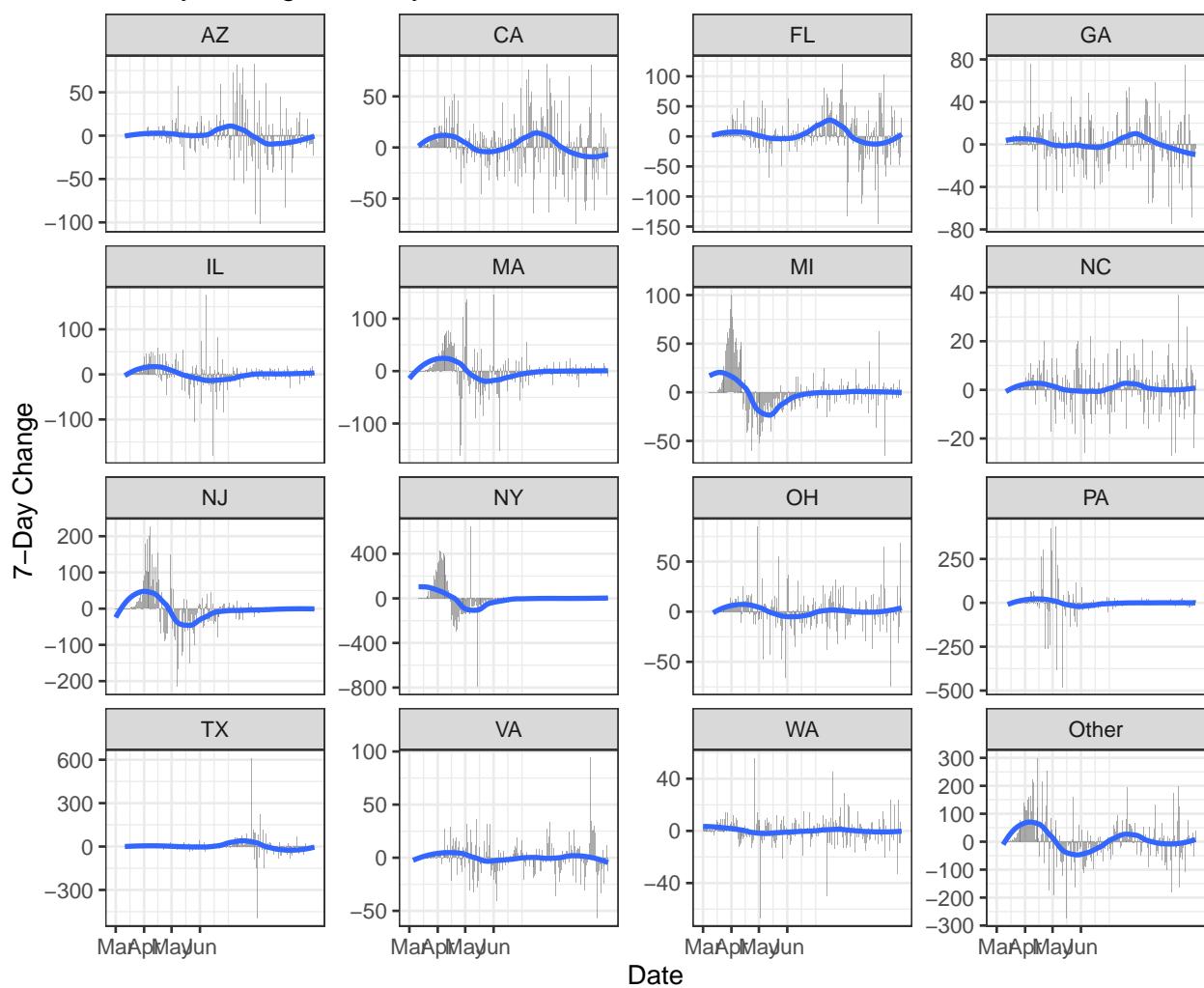
Deaths by State

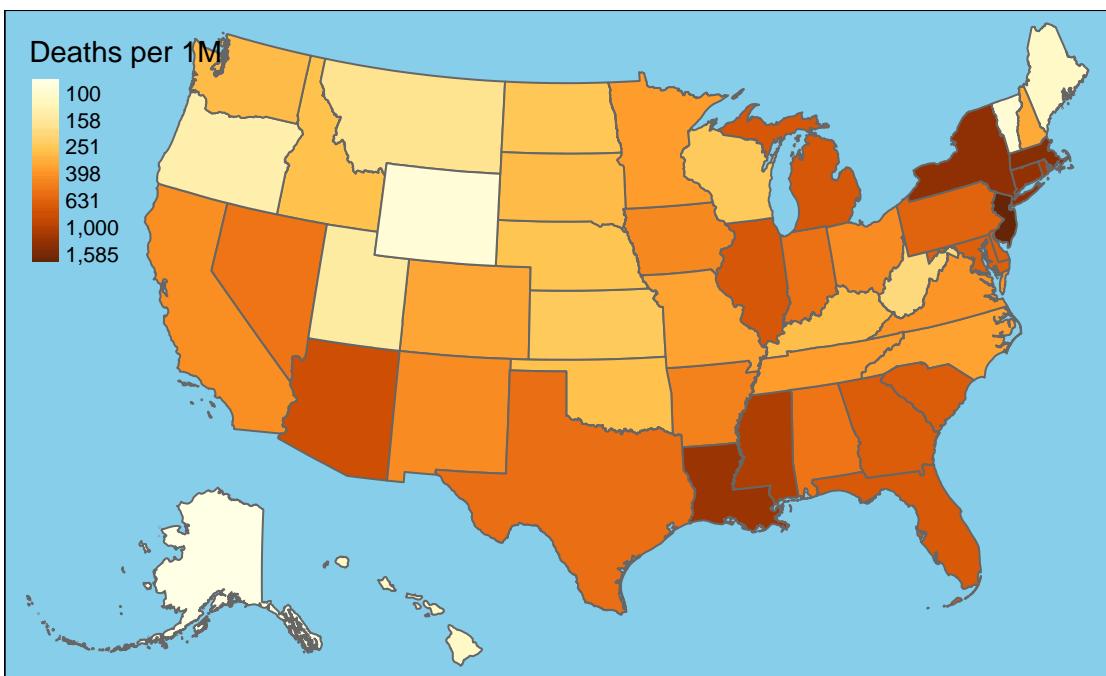
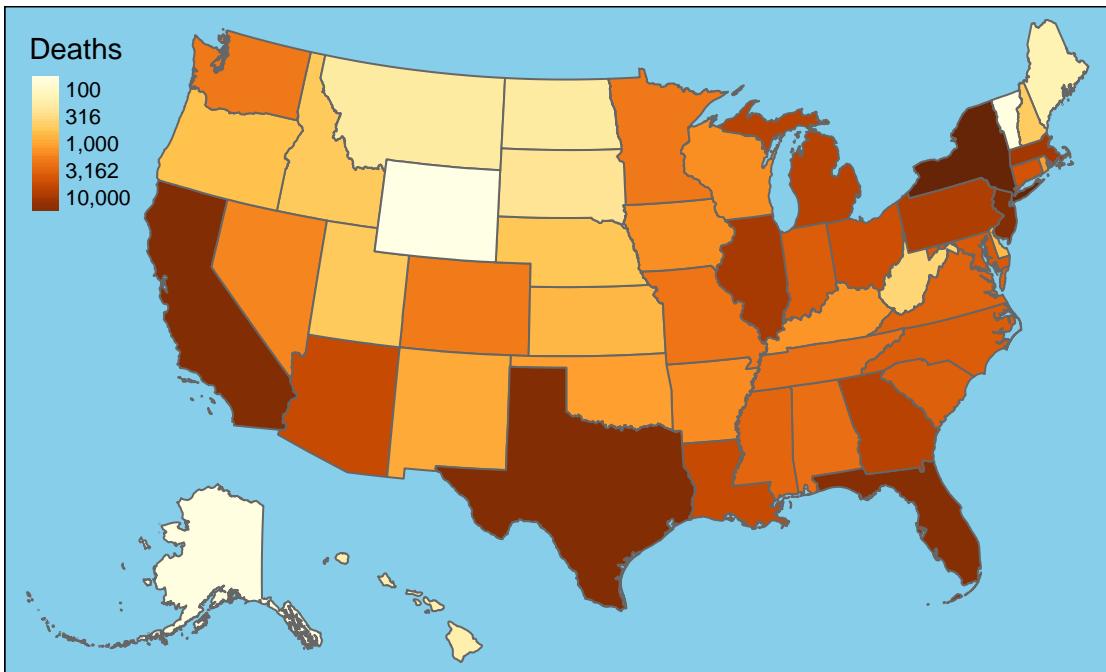


New Deaths by State



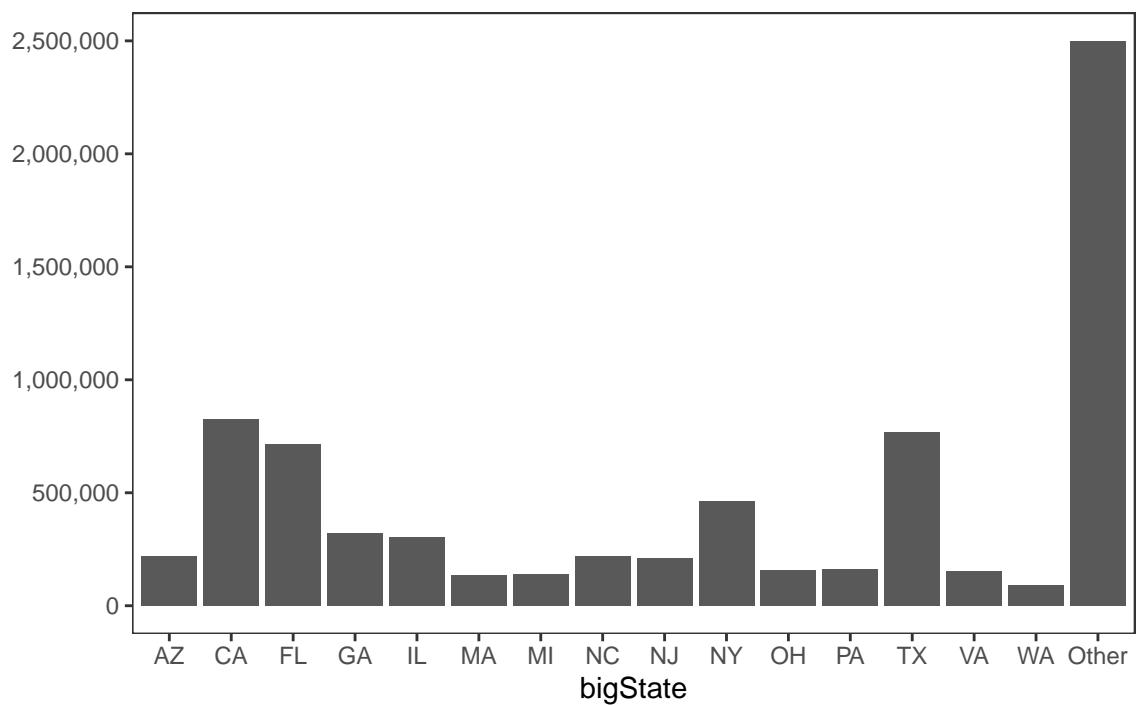
7-Day Change in Daily Deaths



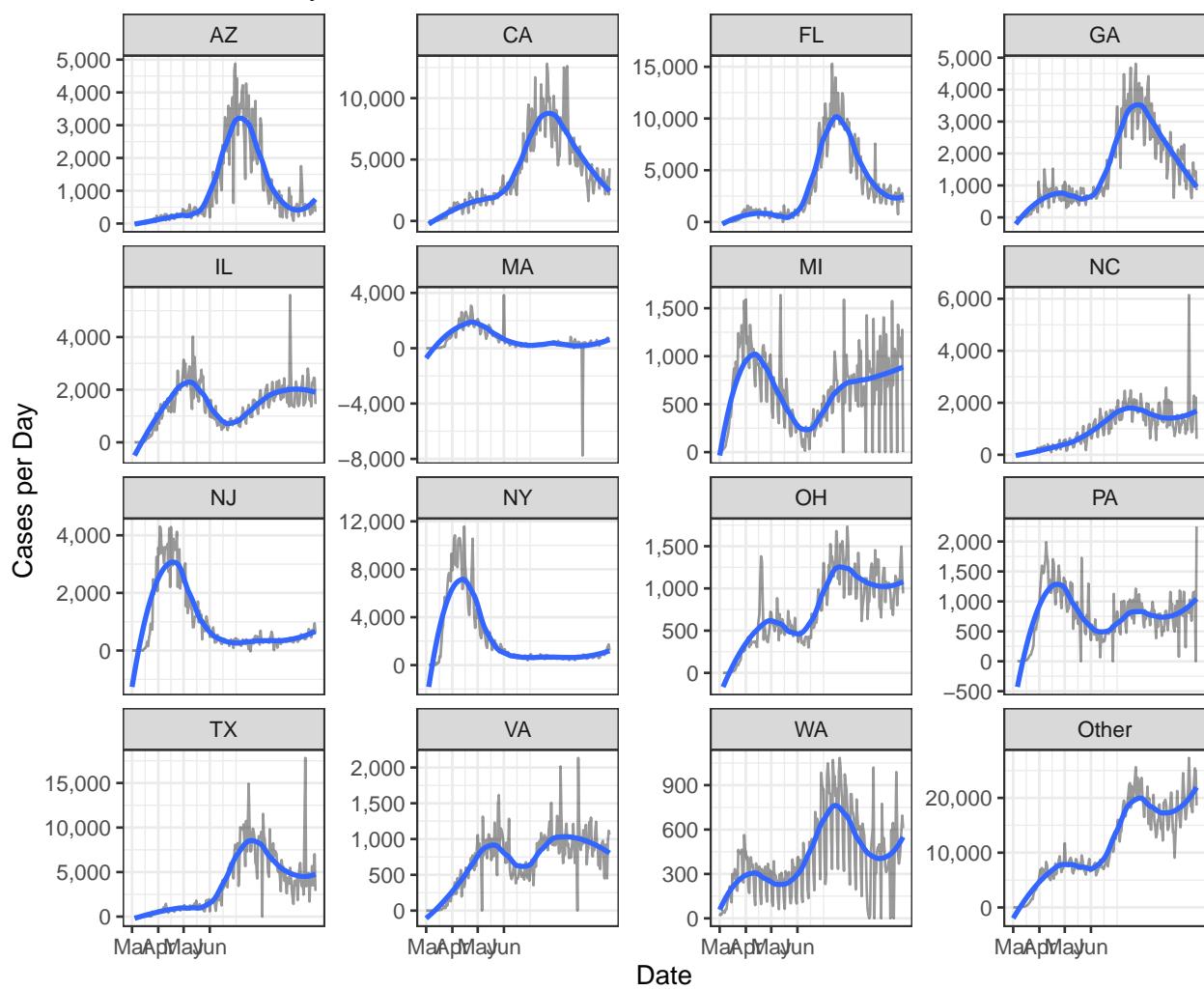


Cases

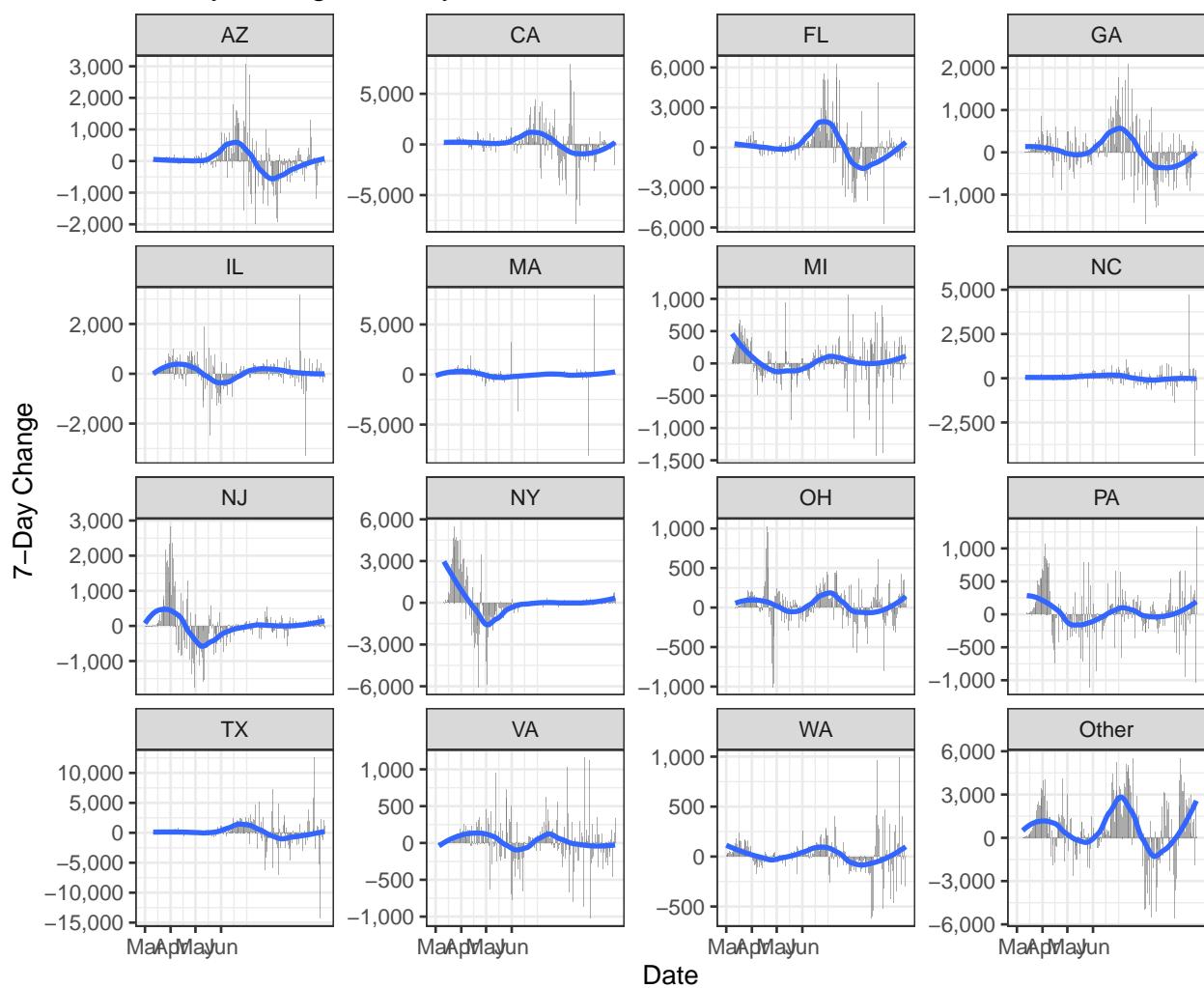
Cases by State

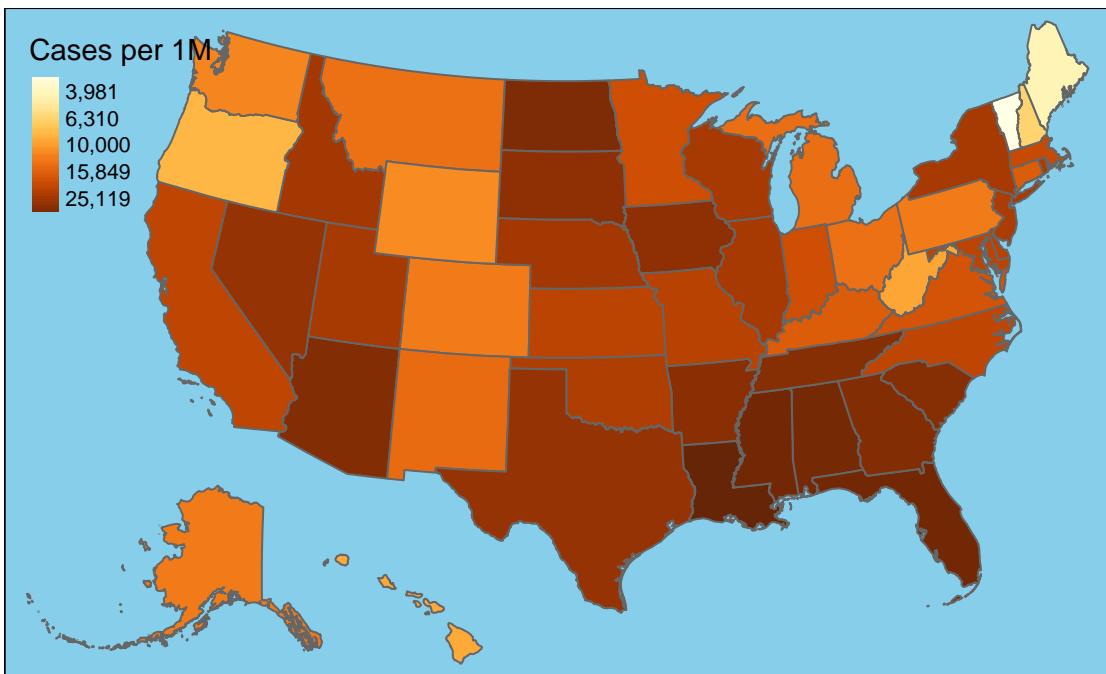
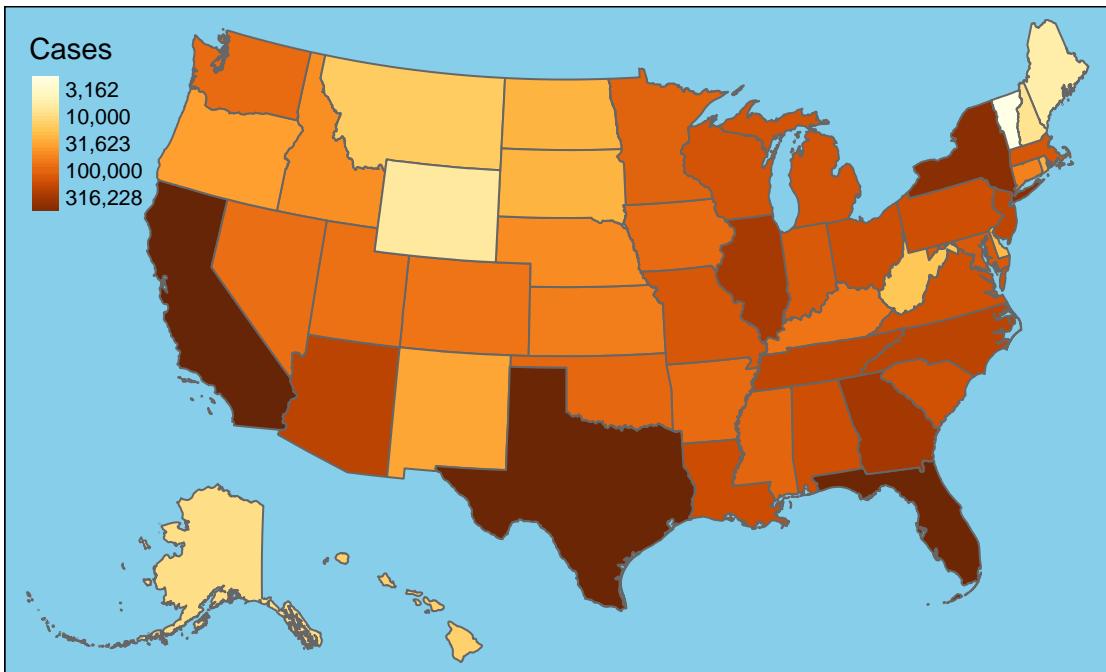


New Cases by State

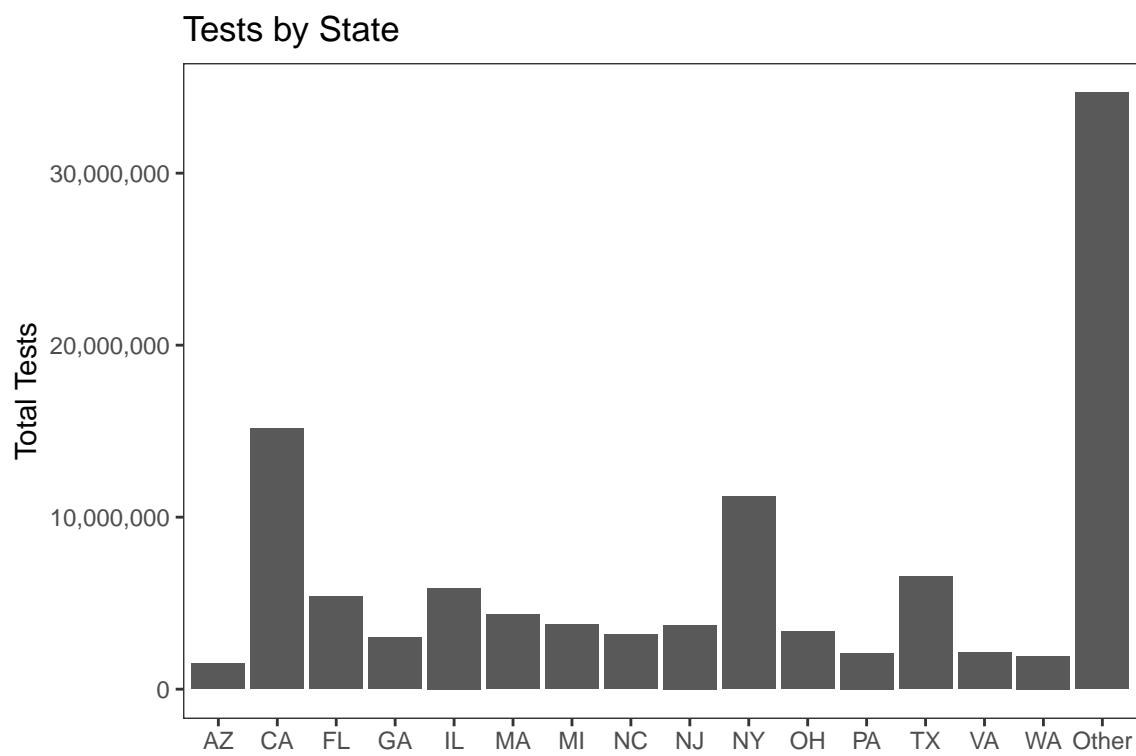


7-Day Change in Daily Cases

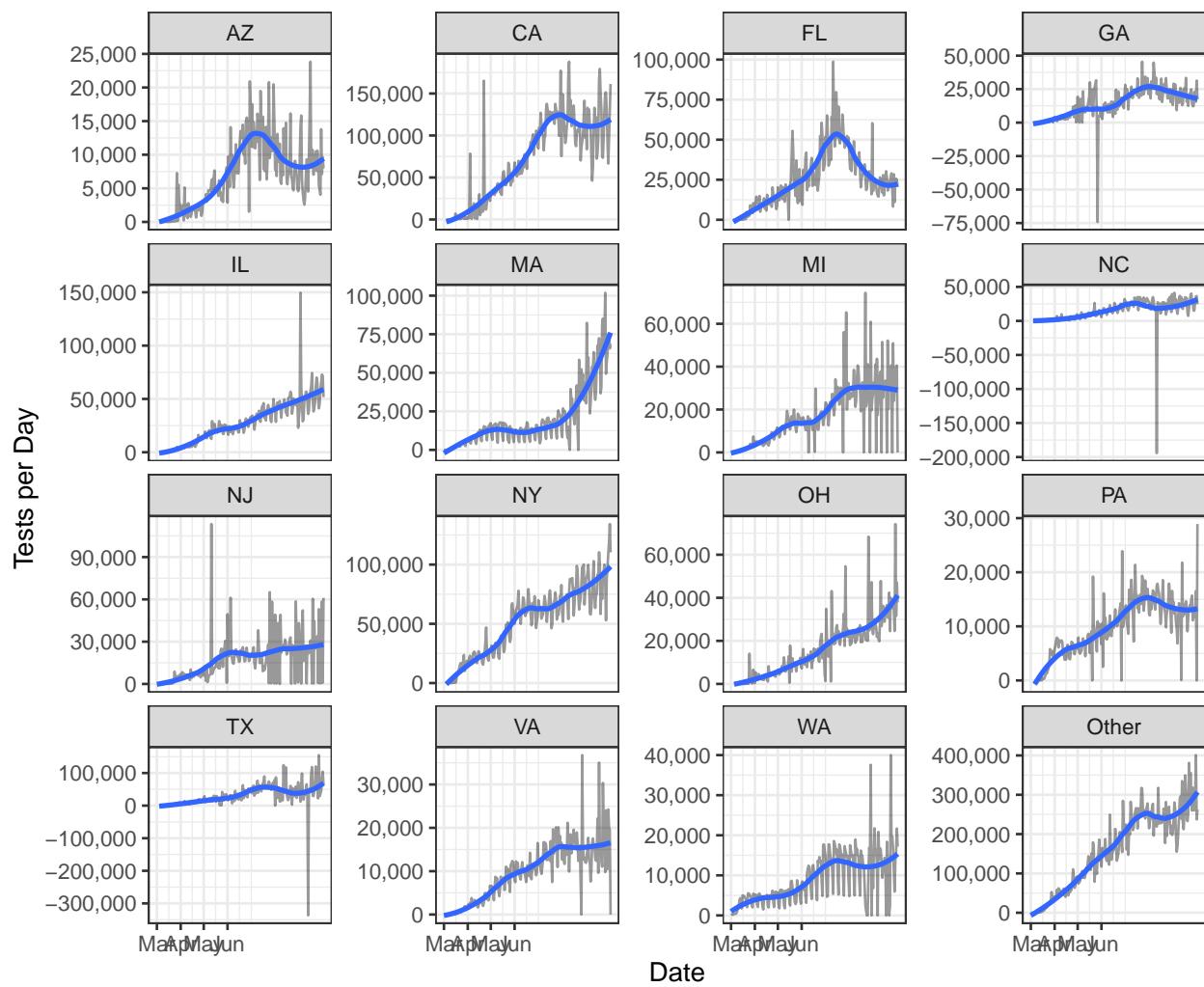


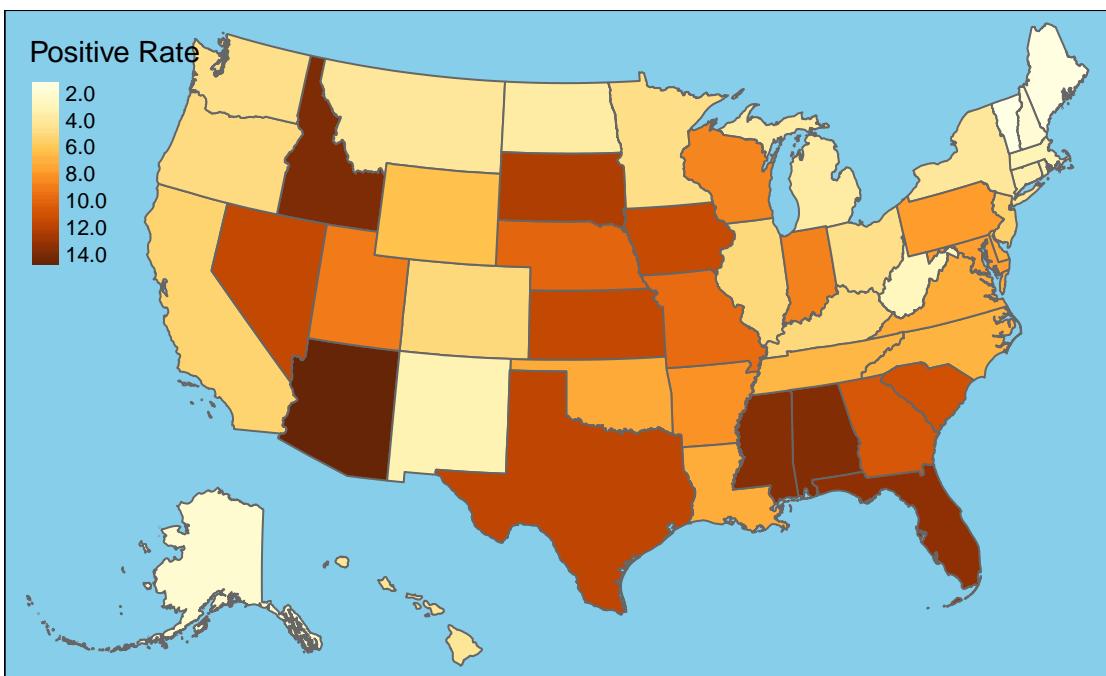
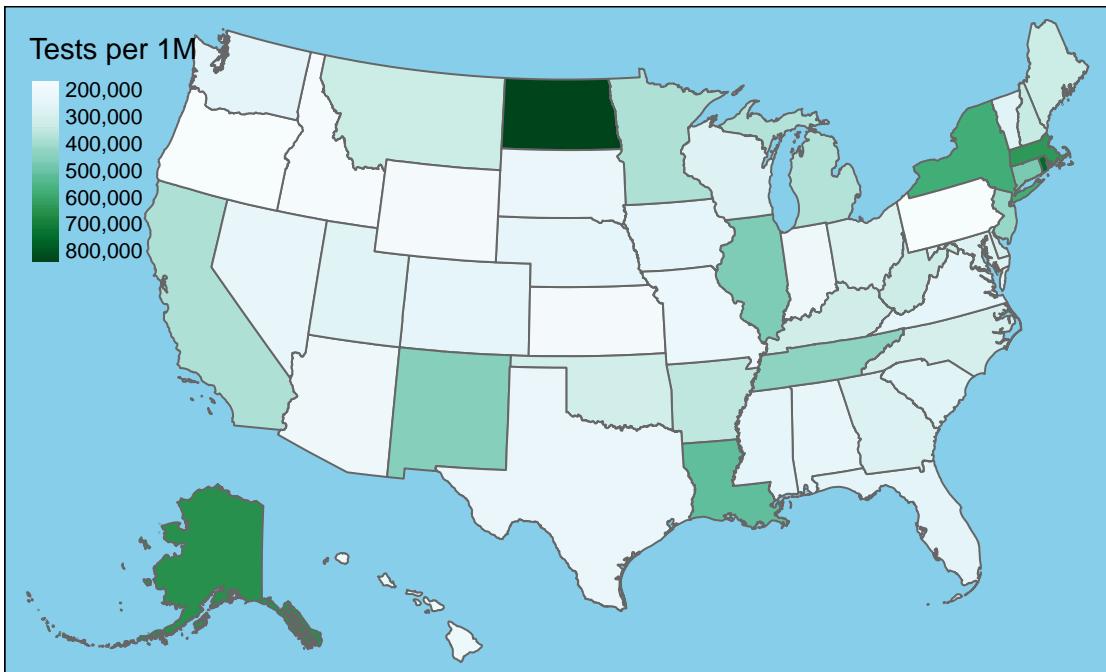


Testing



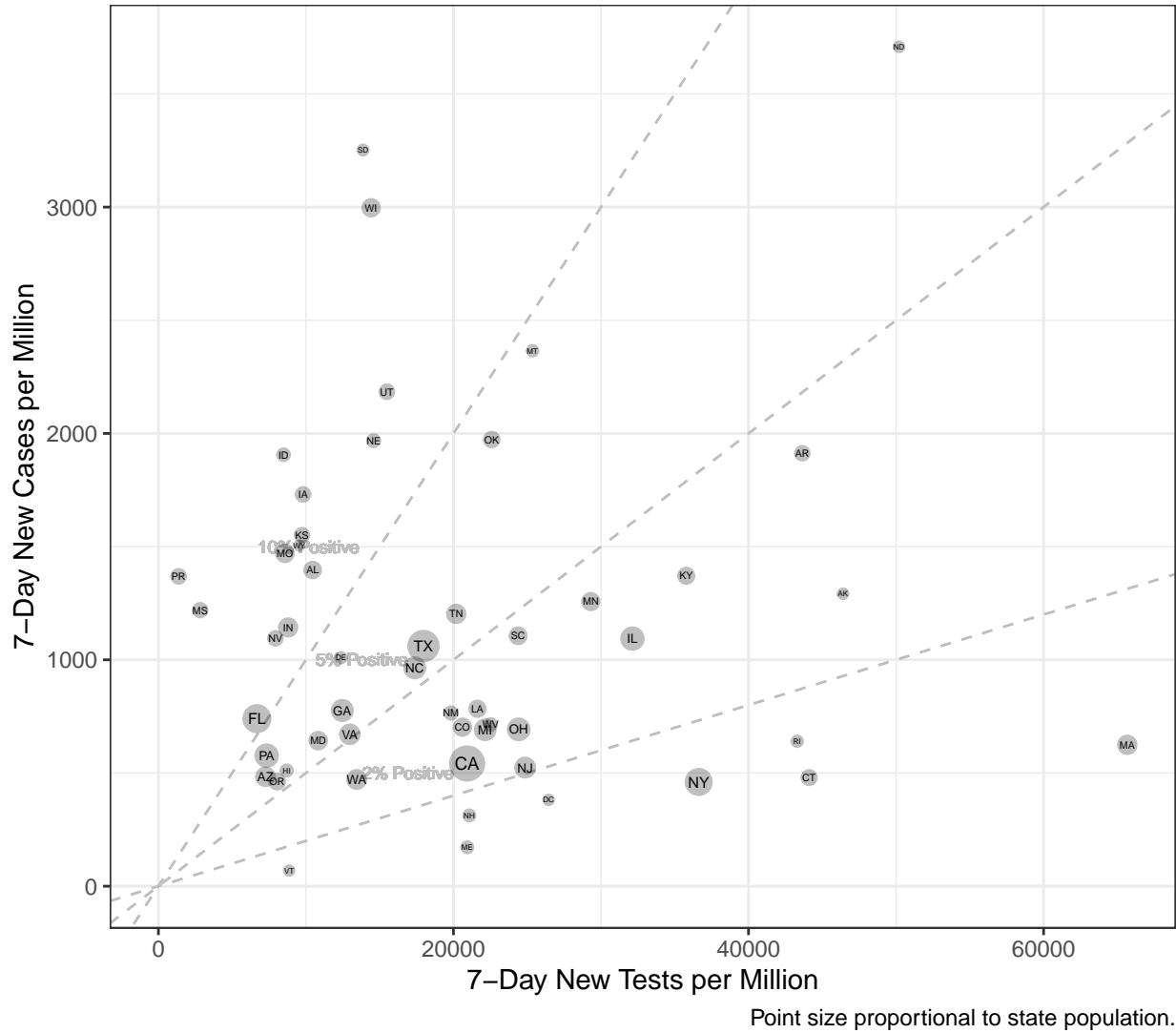
New Tests by State





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



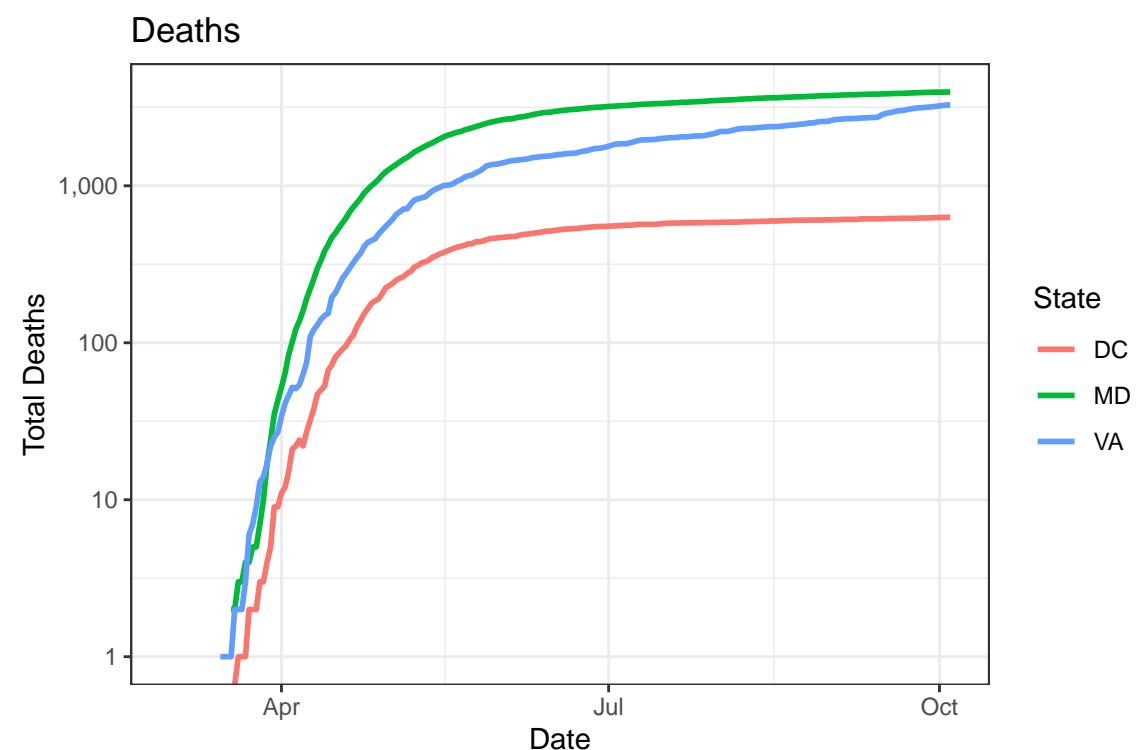
Local Data

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

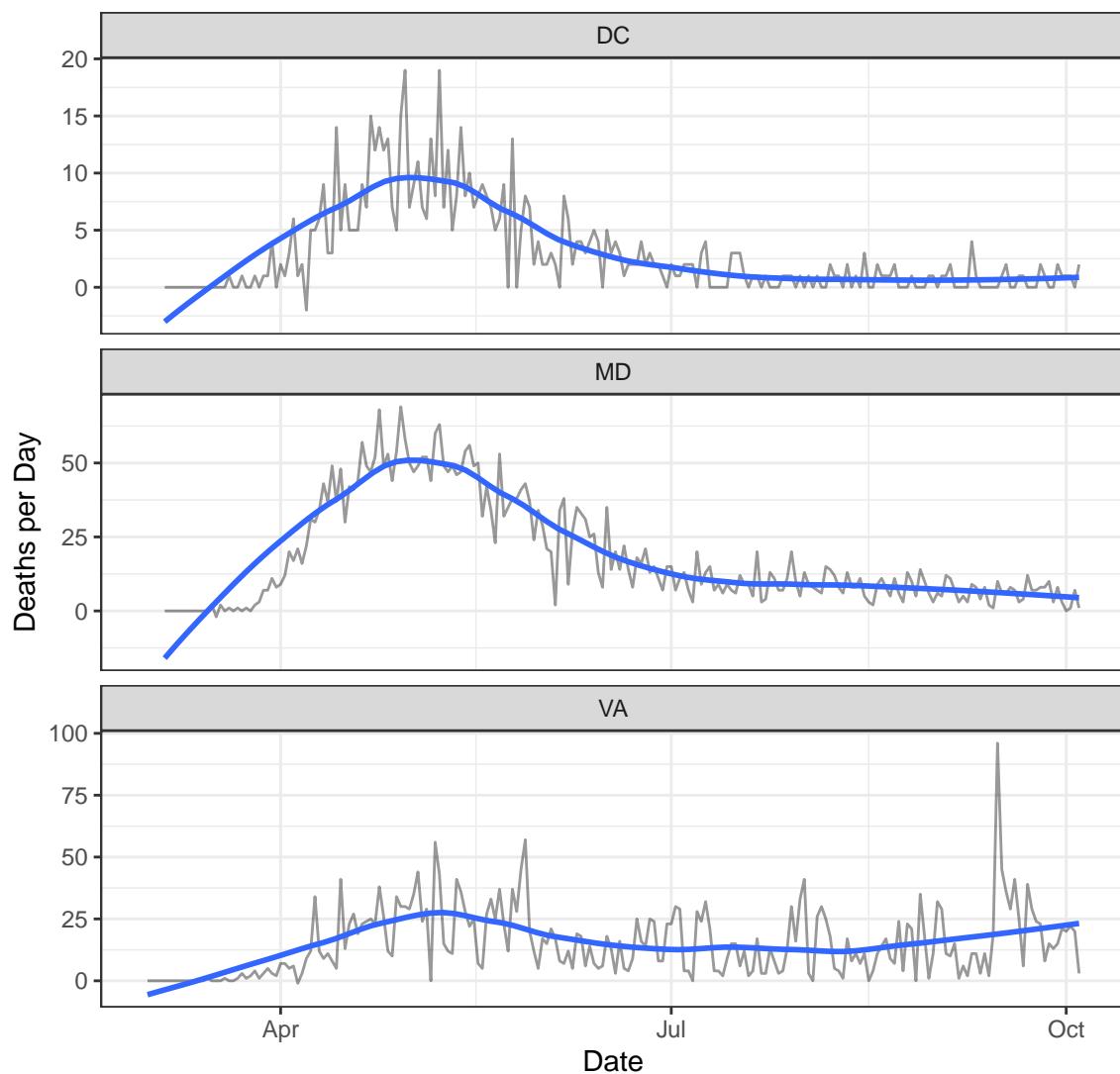
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,519	631	46	2
MD	127,290	3,958	471	1
VA	151,870	3,273	1,067	3

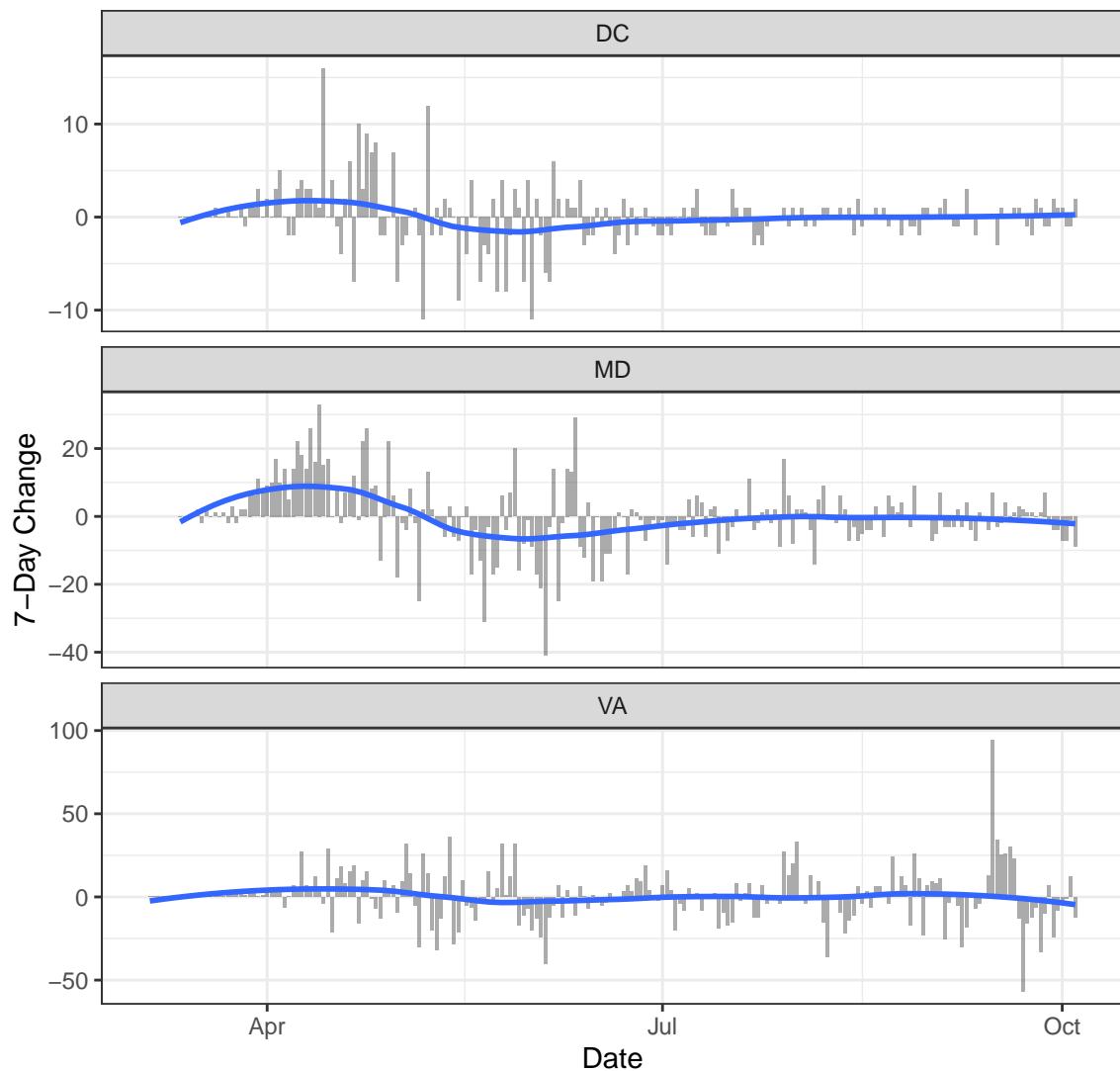
Deaths

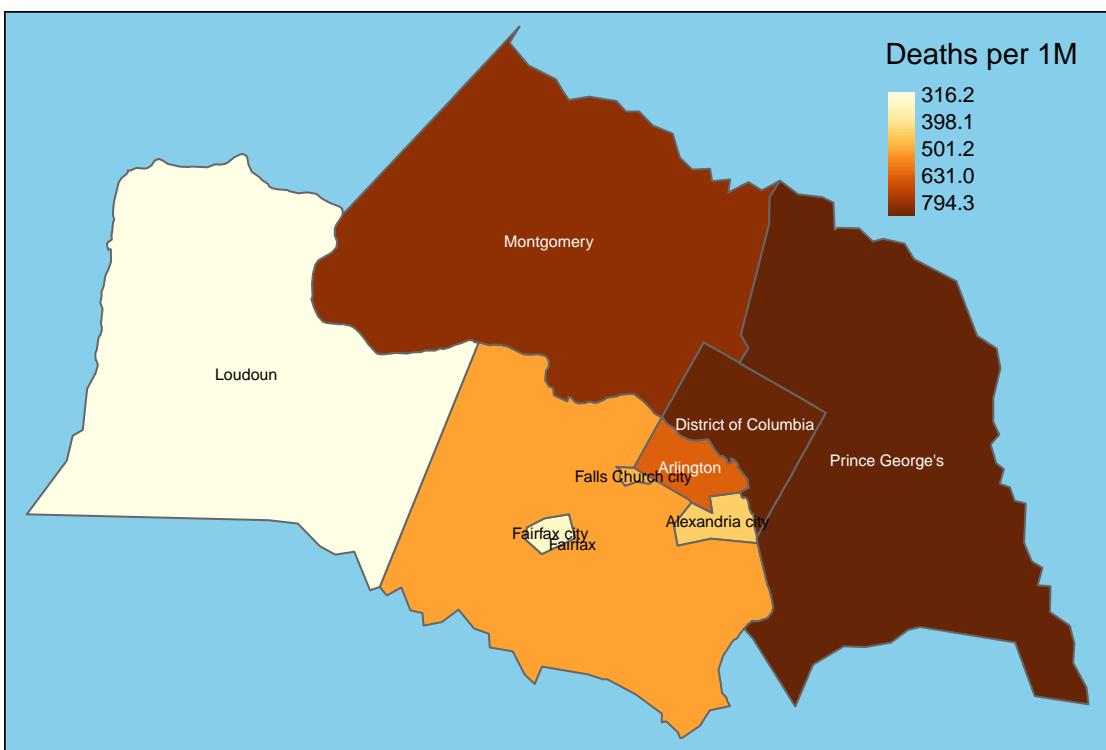
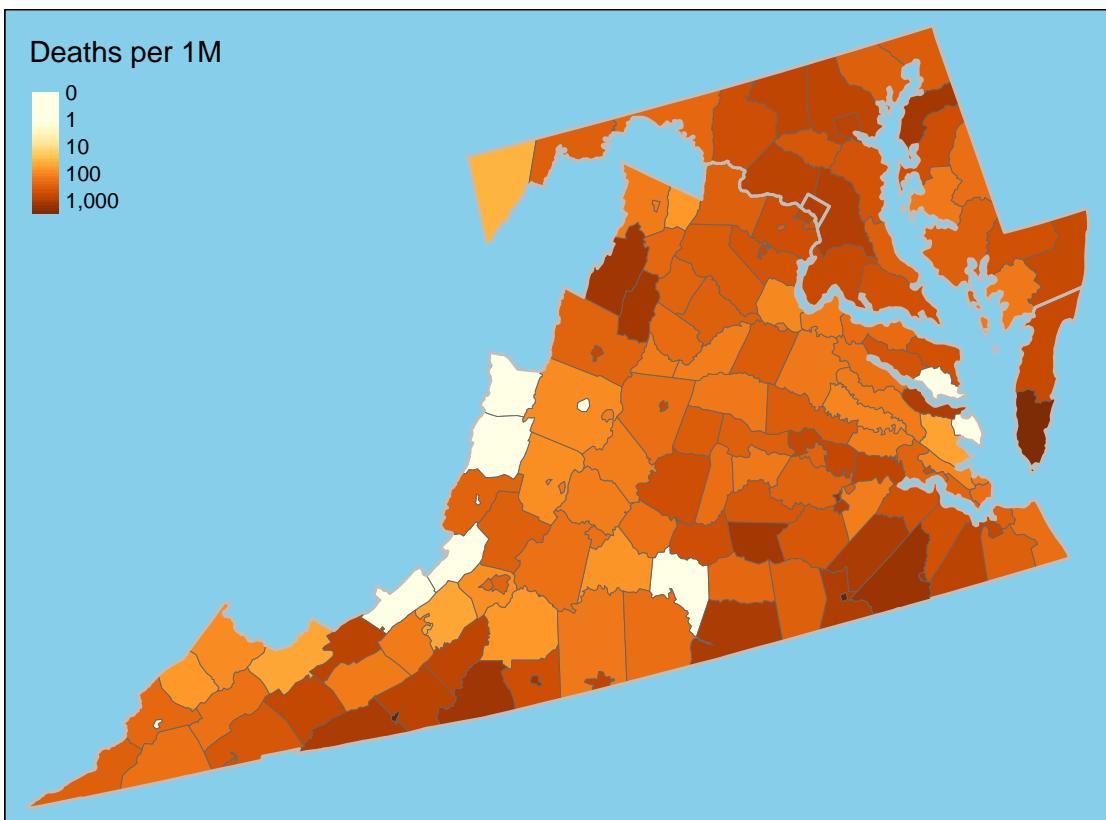


New Deaths

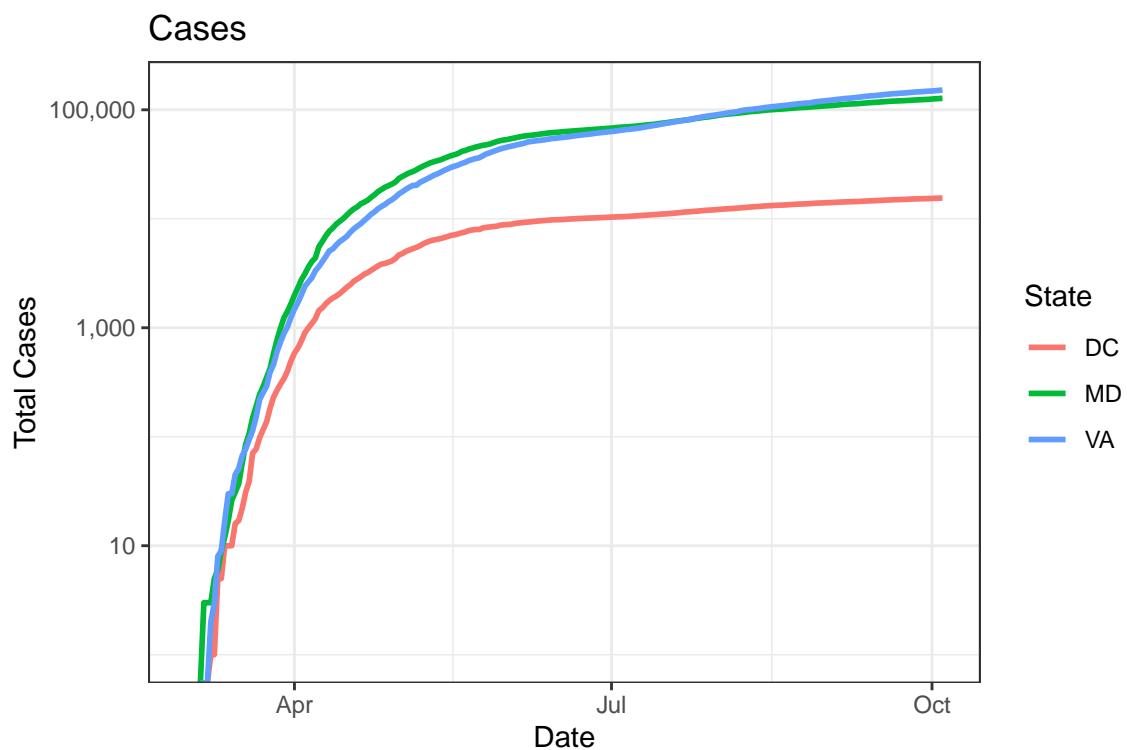


One-Week Change in Daily Deaths

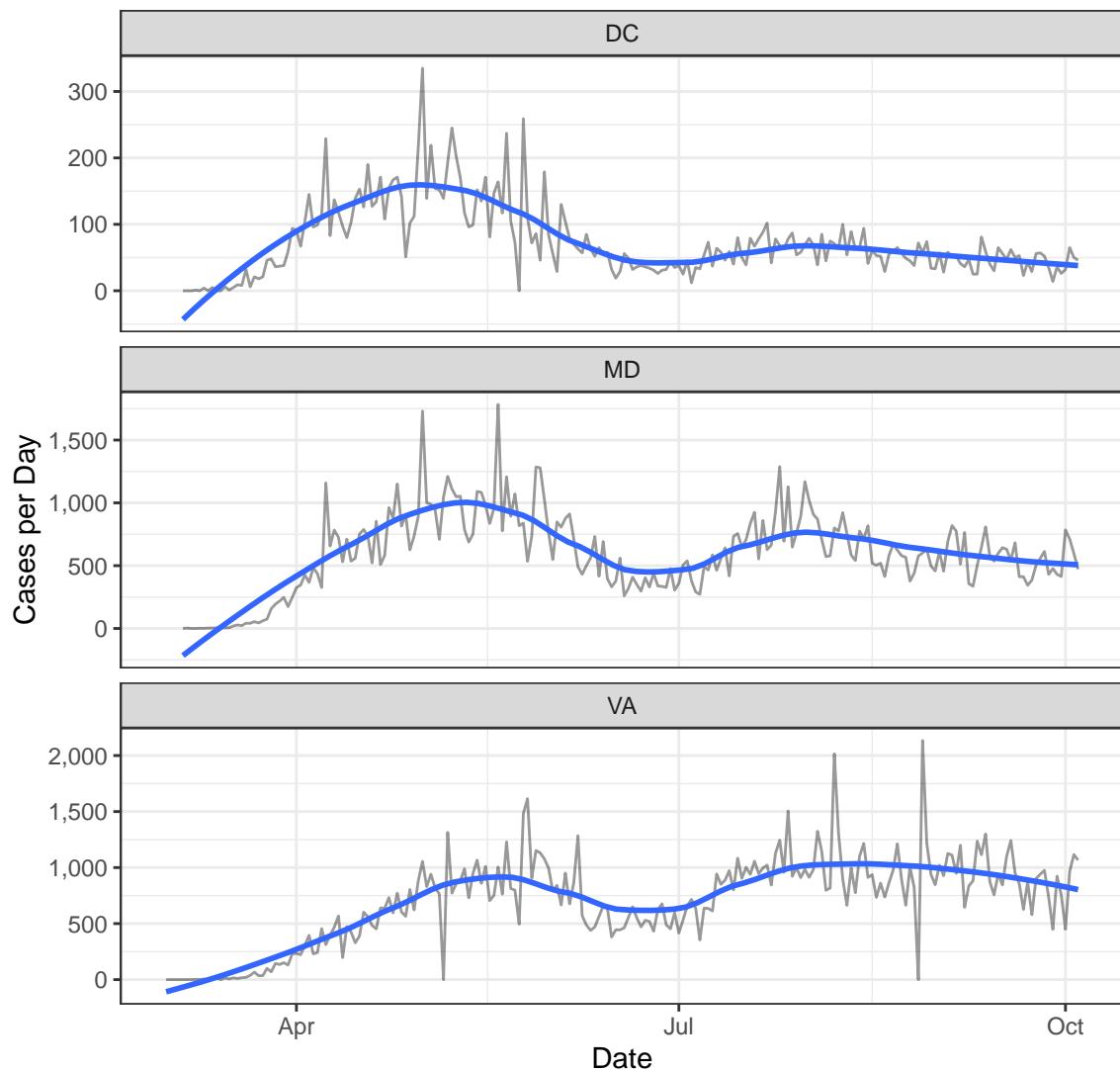




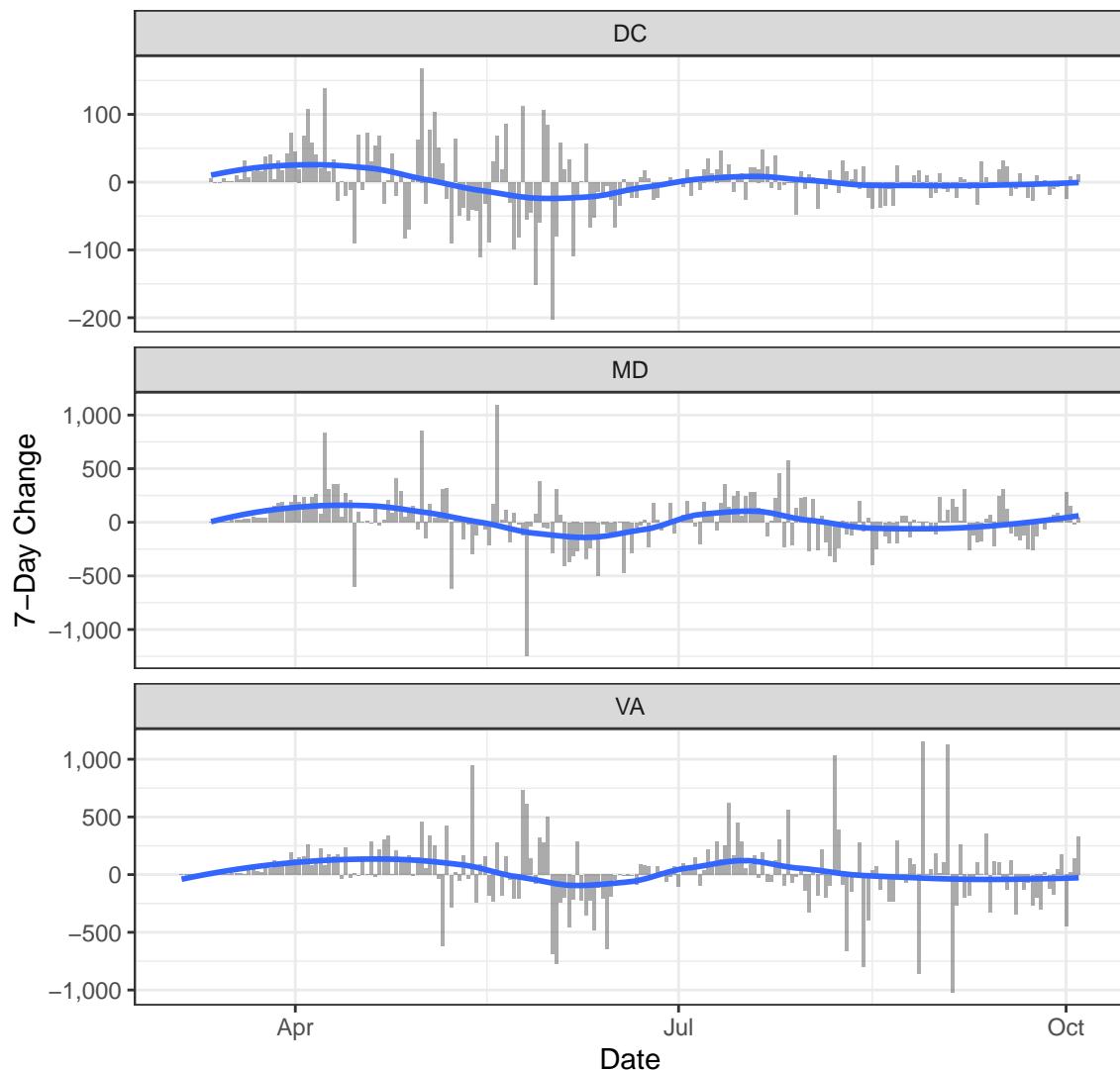
Cases

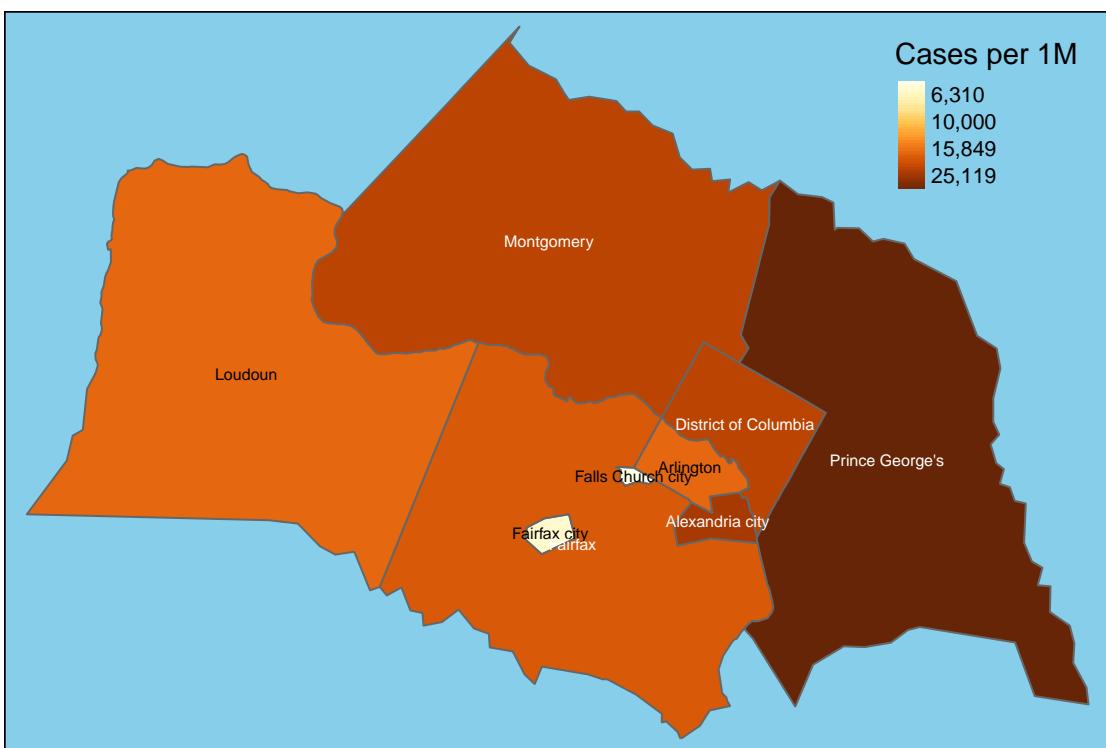
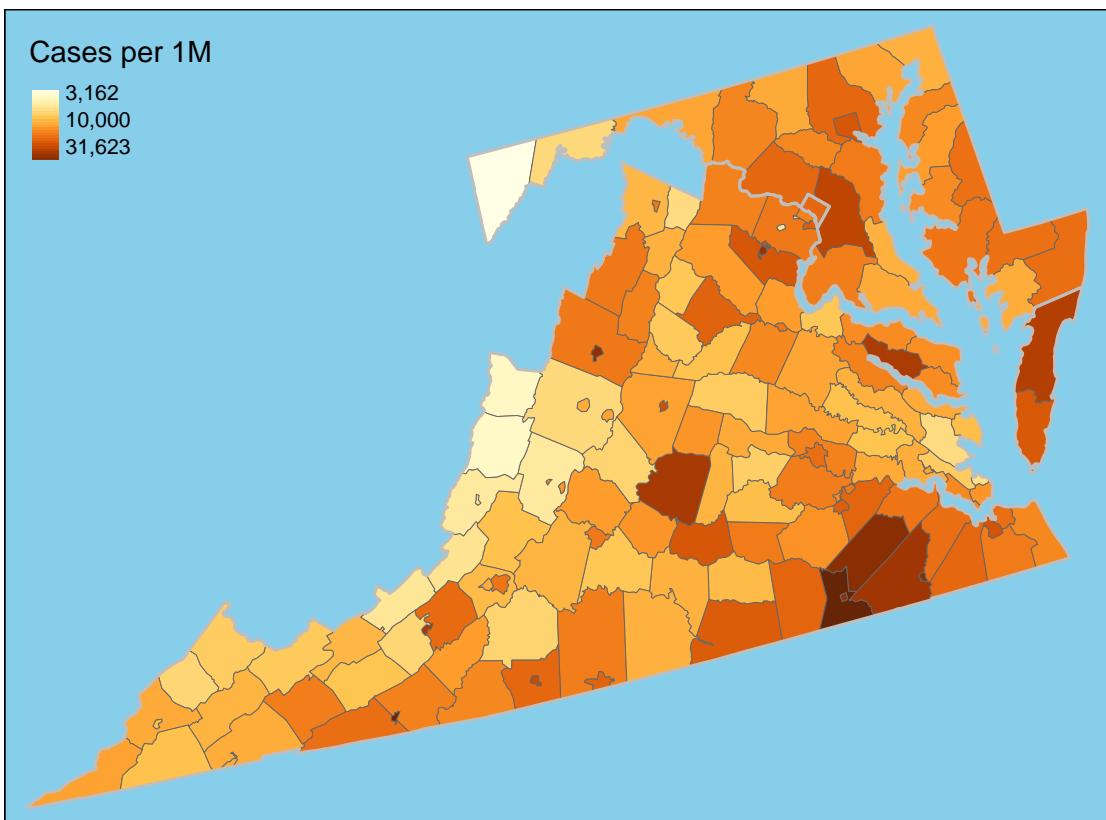


New Cases

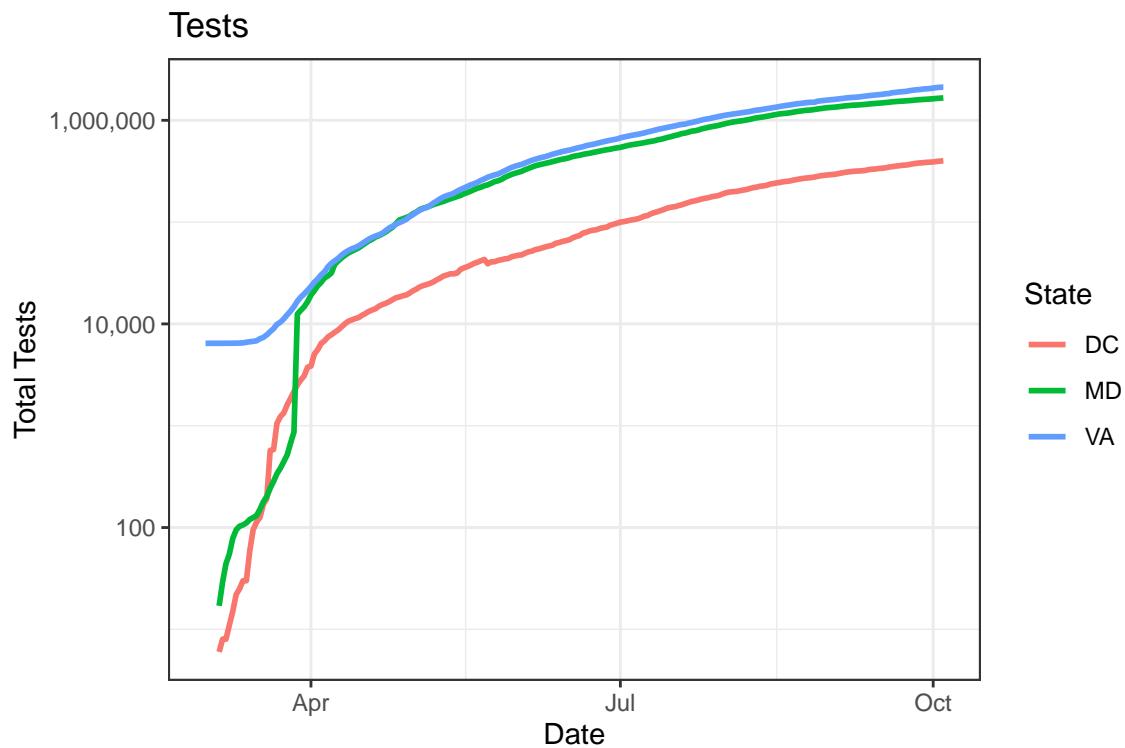


One-Week Change in Daily Cases

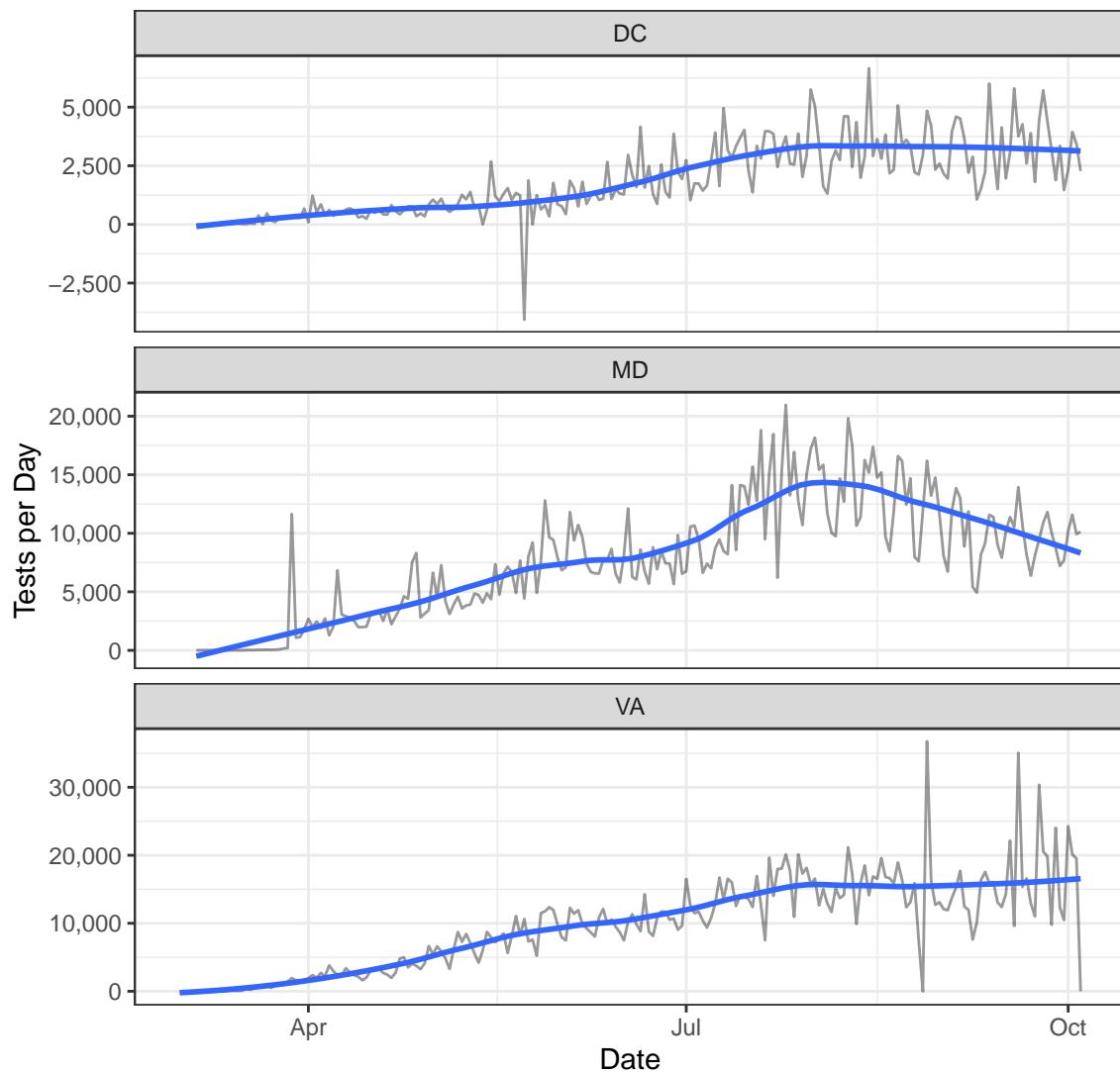




Testing



New Tests



Positive Test Rate

