

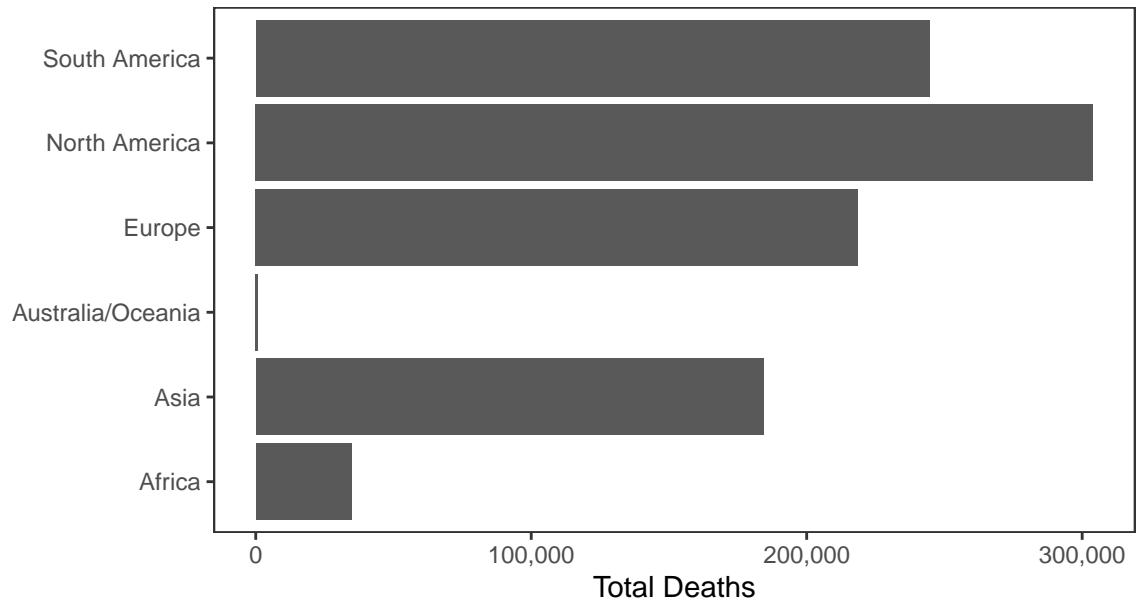
Erik's Covid-19 Chart Pack

Data updated 2020-09-25 08:05:48. 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 32,401,698 confirmed Covid-19 cases and 987,156 deaths worldwide.

Deaths



Cases

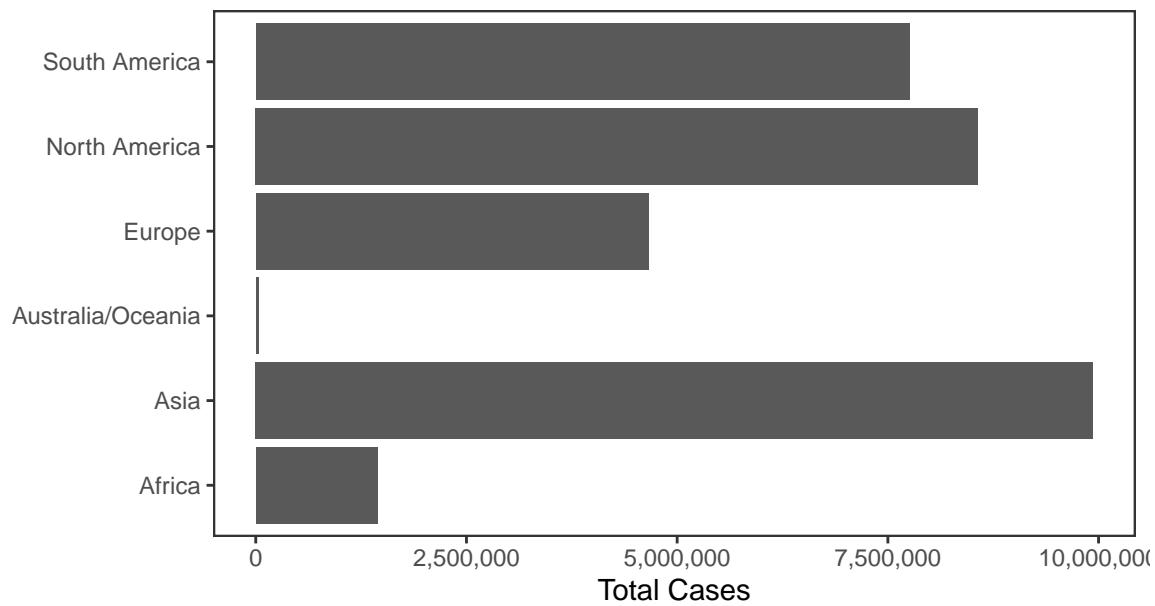
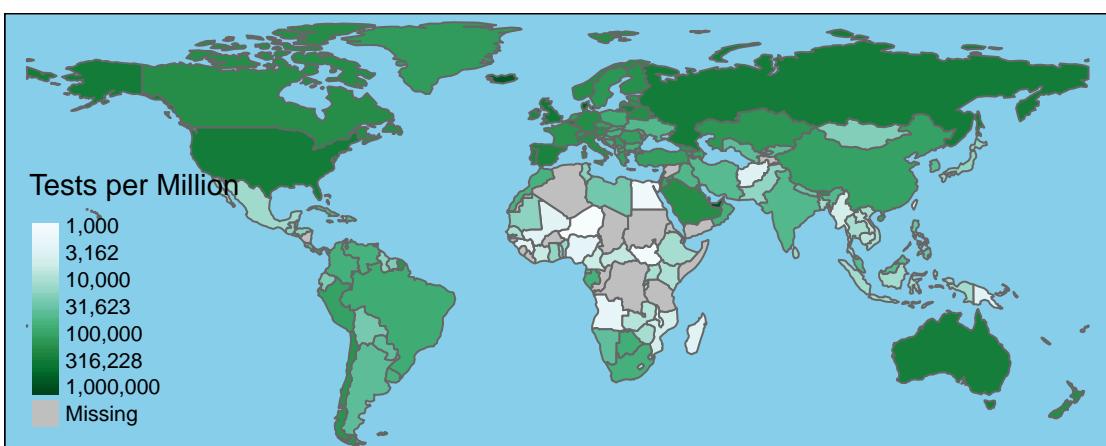
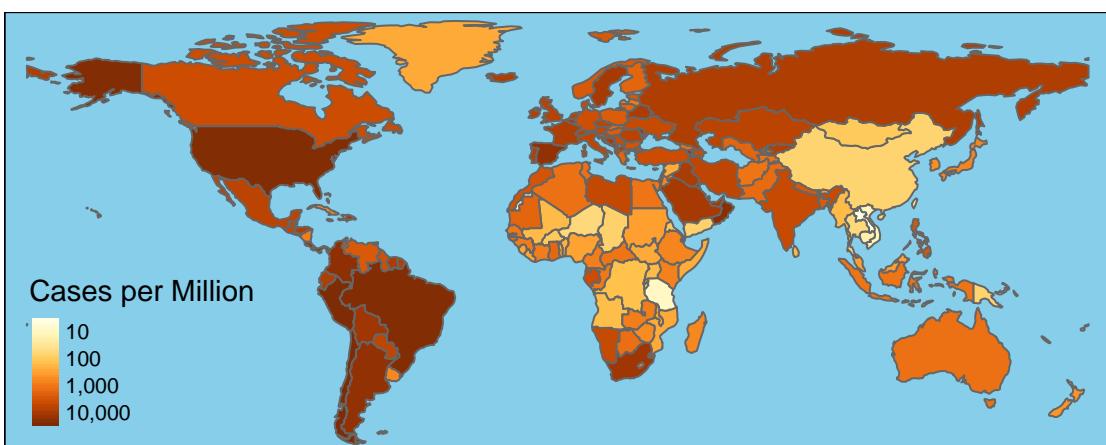
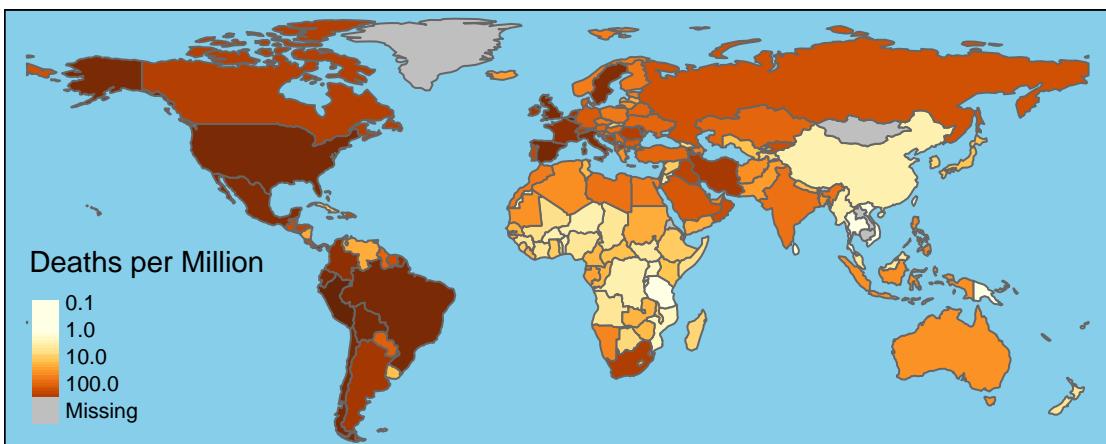


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,185,471	207,538	45,355	942
India	5,816,103	92,317	85,919	1,144
Brazil	4,659,909	139,883	32,129	818
Russia	1,128,836	19,948	6,595	149
Colombia	790,823	24,924	6,555	178
Peru	788,930	31,938	6,235	68
Mexico	710,049	74,949	4,786	601
Spain	704,209	31,118	10,653	84
Argentina	678,266	14,766	13,467	390
South Africa	667,049	16,283	1,861	77
France	497,237	31,511	16,096	52
Chile	451,634	12,469	1,731	124
Iran	436,319	25,015	3,521	175
UK	416,363	41,902	6,634	40
Bangladesh	355,384	5,072	1,540	28
Iraq	337,106	8,799	4,471	45
Saudi Arabia	331,857	4,599	498	30
Turkey	309,790	7,785	1,721	74
Pakistan	308,217	6,437	799	5
Italy	304,323	35,781	1,786	23



National Data

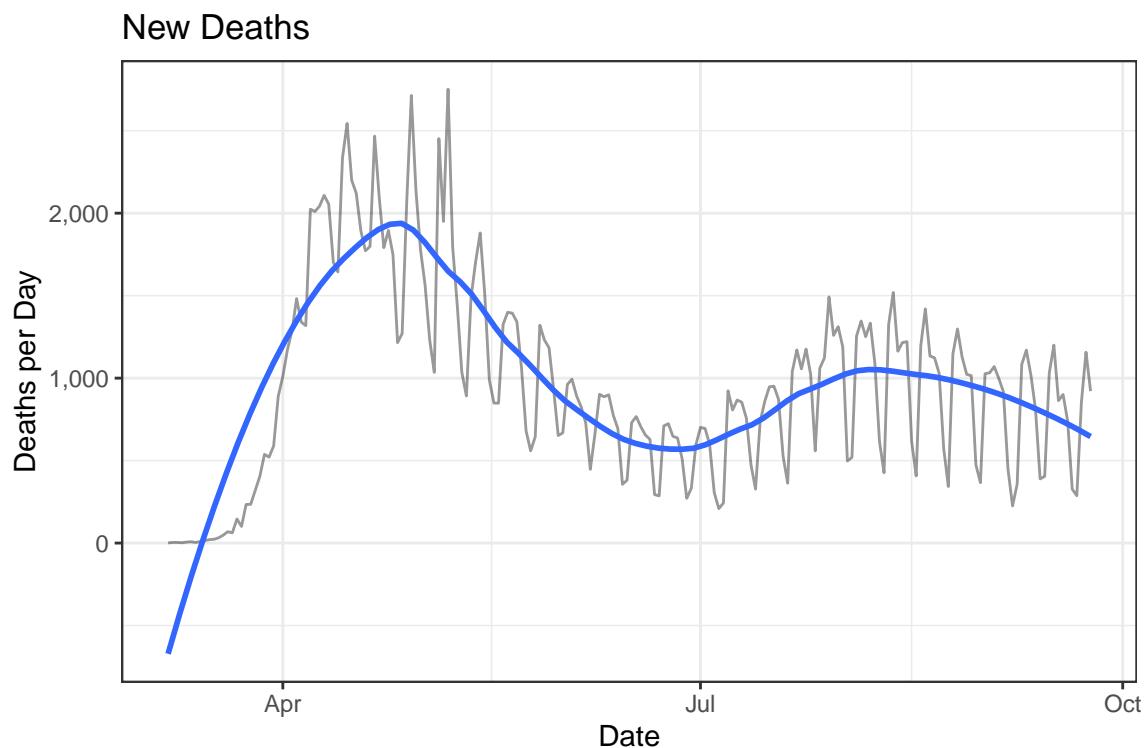
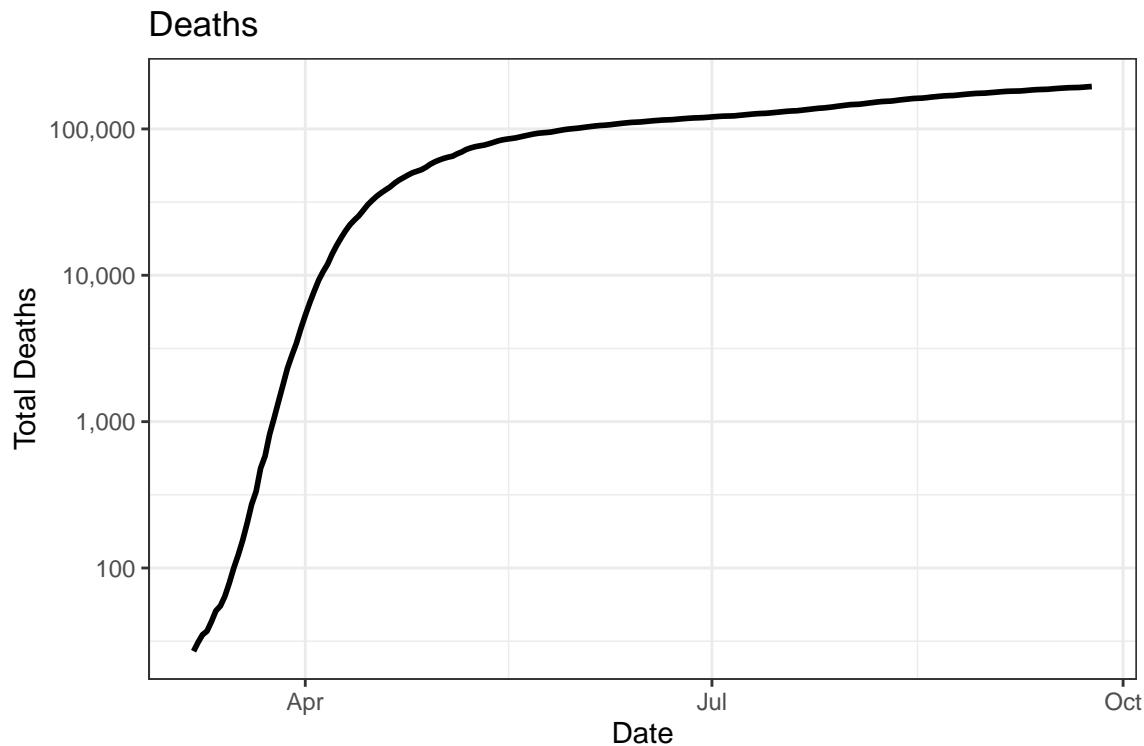
There have been 6,941,911 confirmed Covid-19 cases and 194,852 deaths in the United States.

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

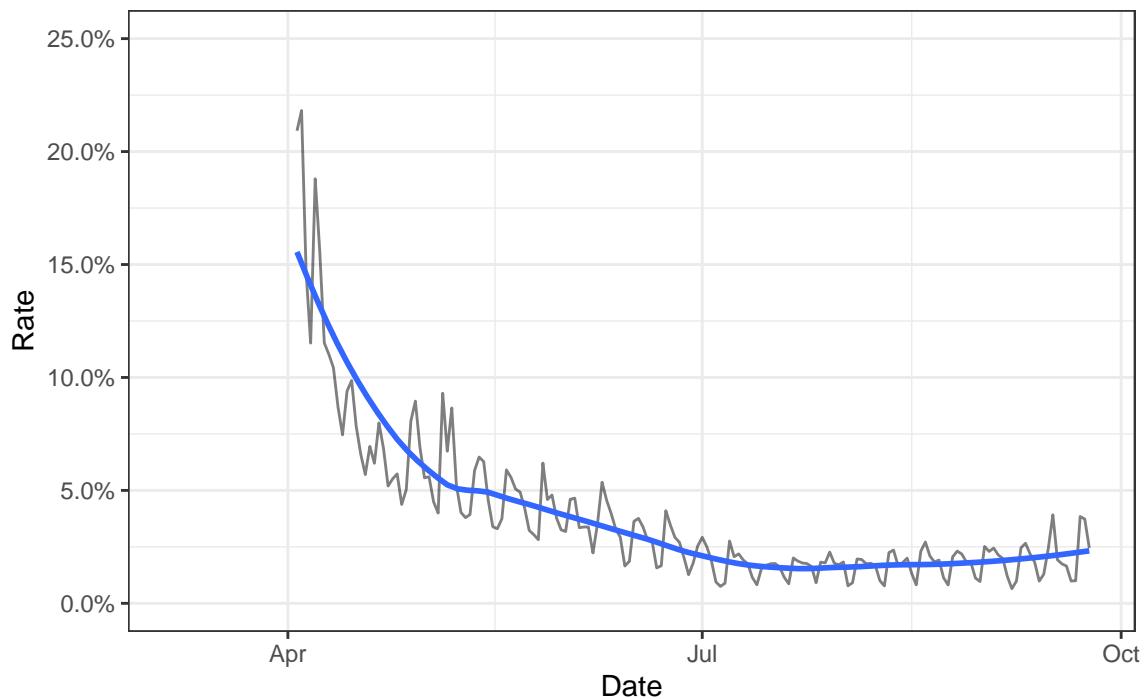
Date	Cases	Deaths	New Cases	New Deaths
2020-09-24	6,941,911	194,852	43,772	921
2020-09-23	6,898,139	193,931	38,567	1,157
2020-09-22	6,859,572	192,774	49,439	854
2020-09-21	6,810,133	191,920	39,472	287
2020-09-20	6,770,661	191,633	36,295	327
2020-09-19	6,734,366	191,306	45,539	740
2020-09-18	6,688,827	190,566	47,486	901
2020-09-17	6,641,341	189,665	43,558	863
2020-09-16	6,597,783	188,802	40,021	1,200
2020-09-15	6,557,762	187,602	35,445	1,031
2020-09-14	6,522,317	186,571	33,864	404
2020-09-13	6,488,453	186,167	34,453	389
2020-09-12	6,454,000	185,778	42,087	810
2020-09-11	6,411,913	184,968	44,927	1,018

Deaths

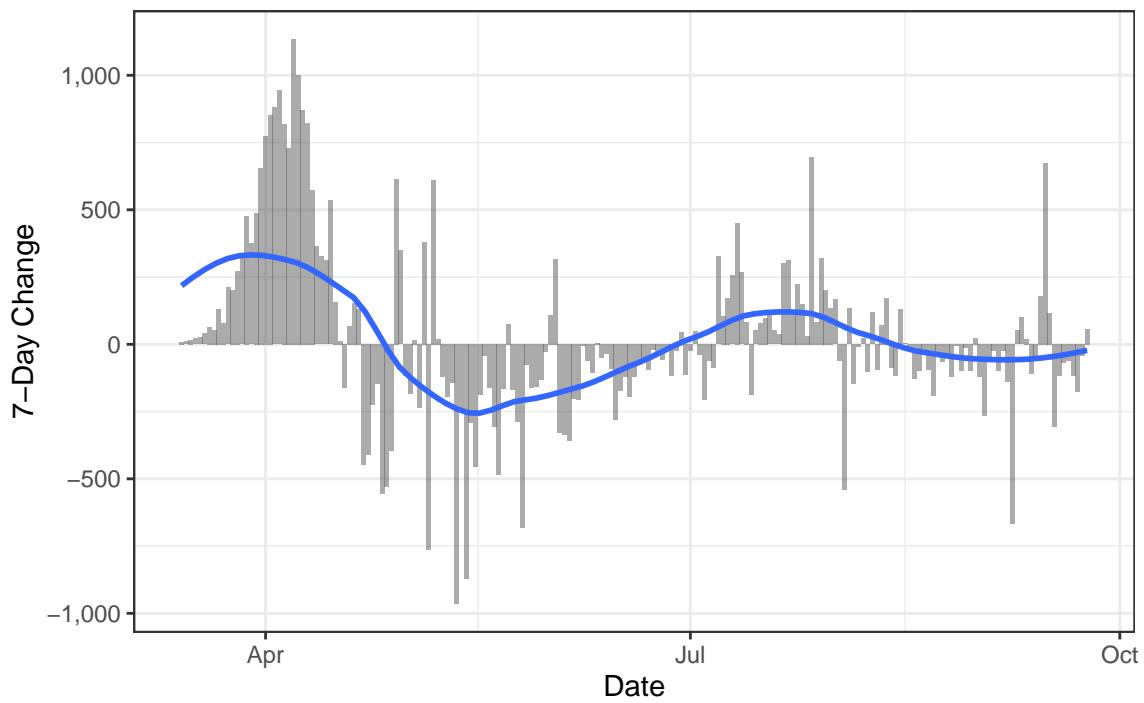
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

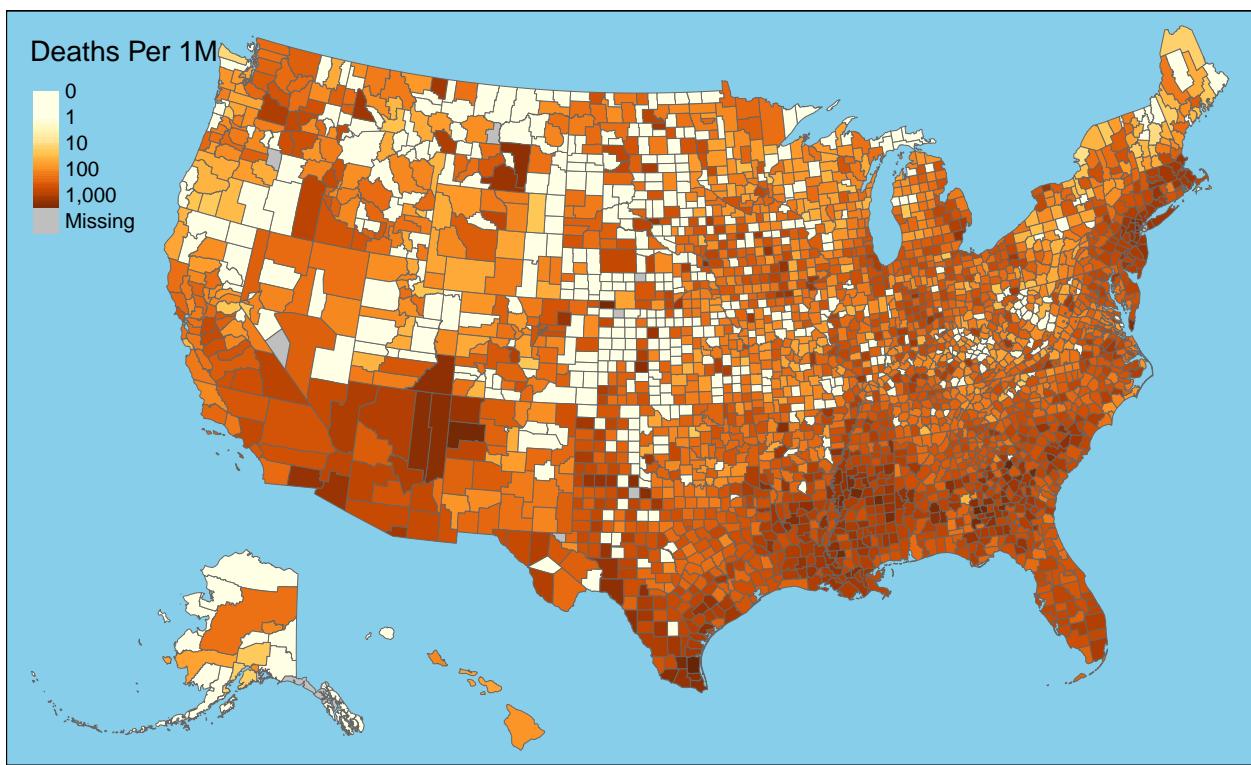


Daily Case Mortality Rate



One-Week Change in Daily Deaths

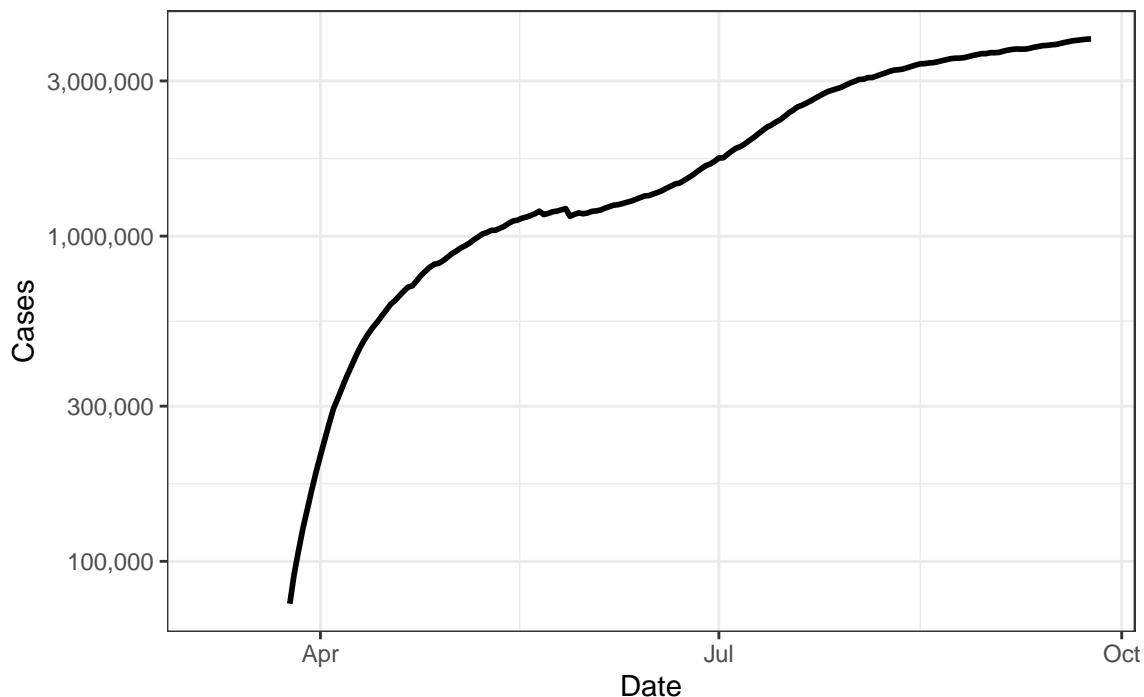




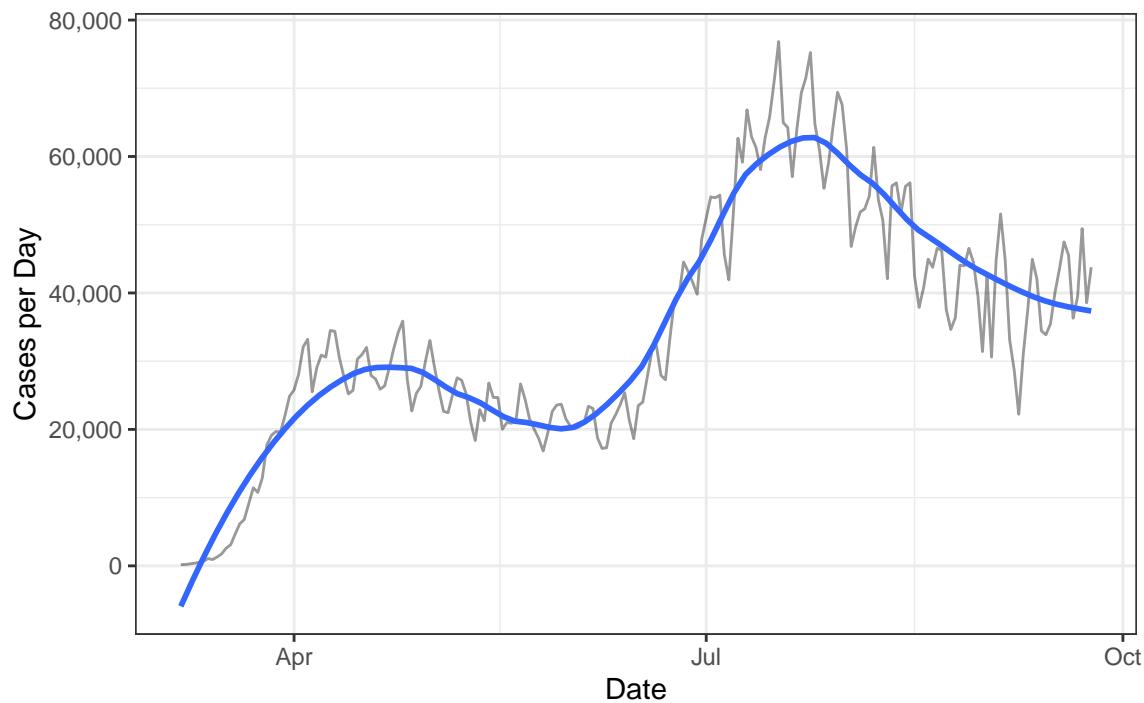
Cases

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

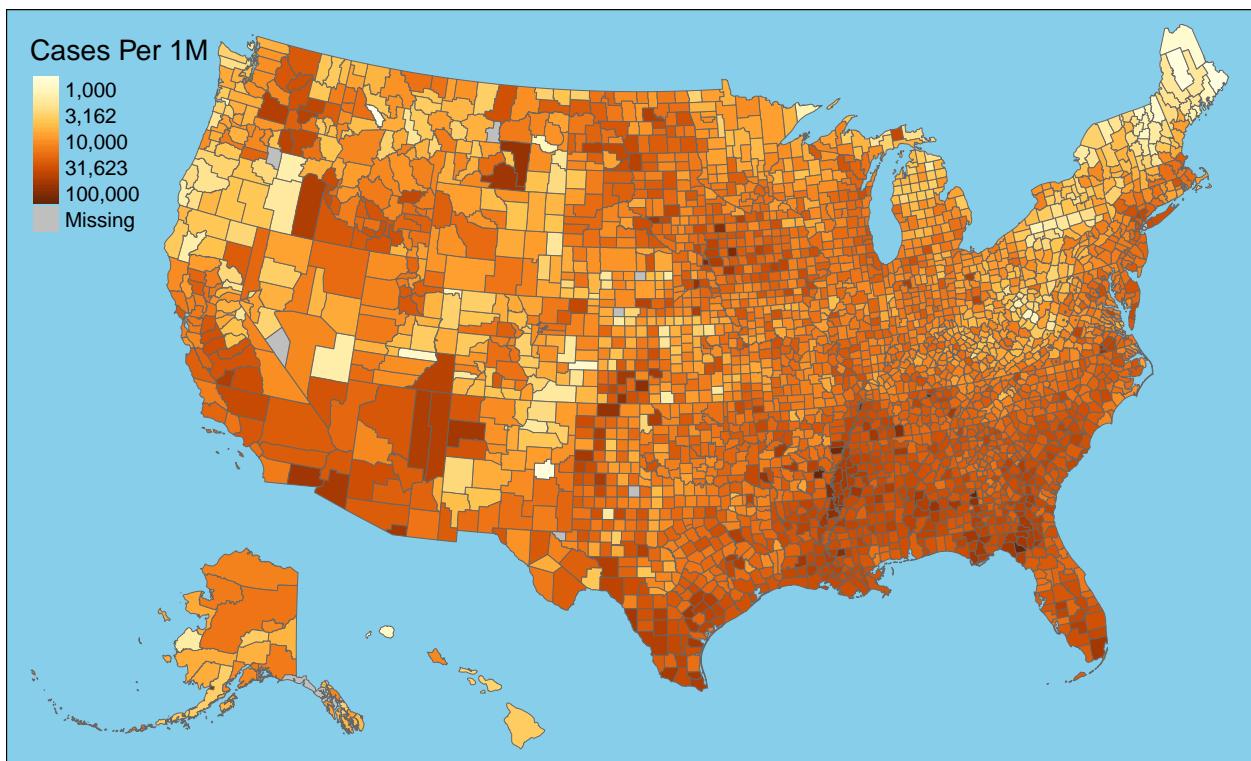
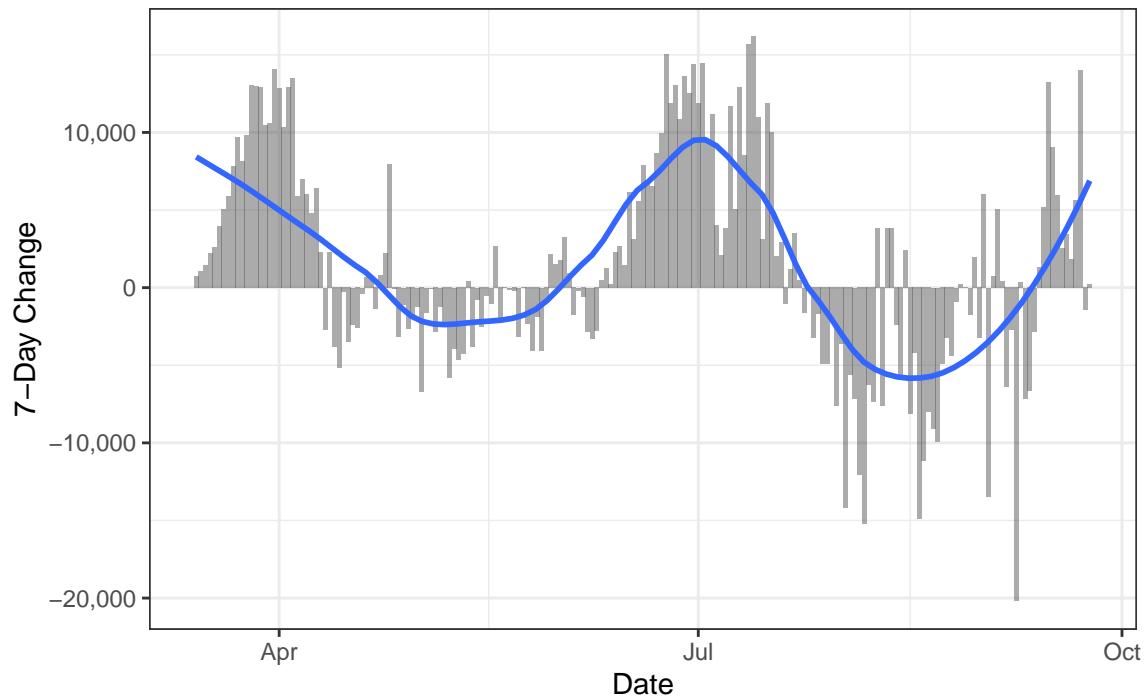
Active Cases



New Cases

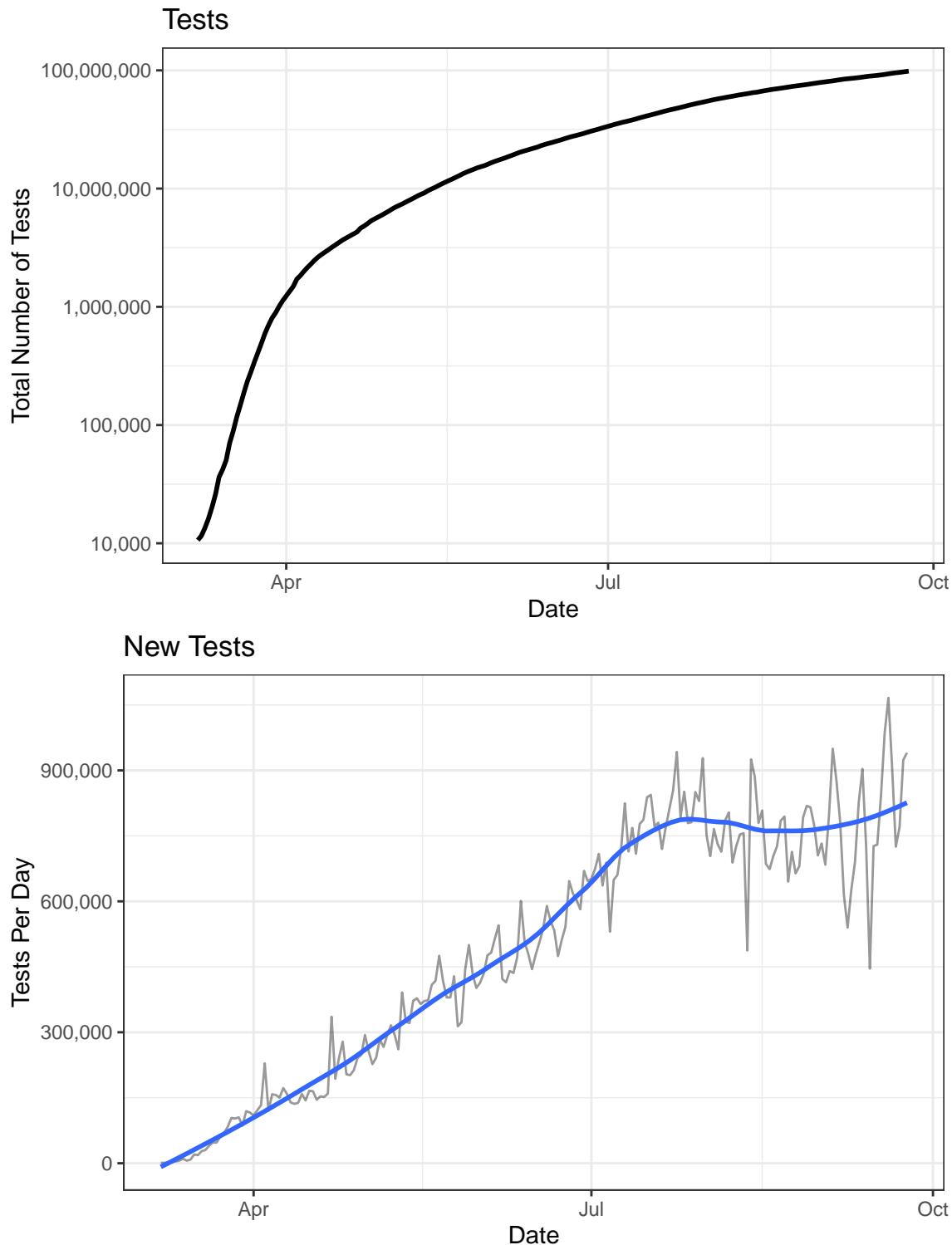


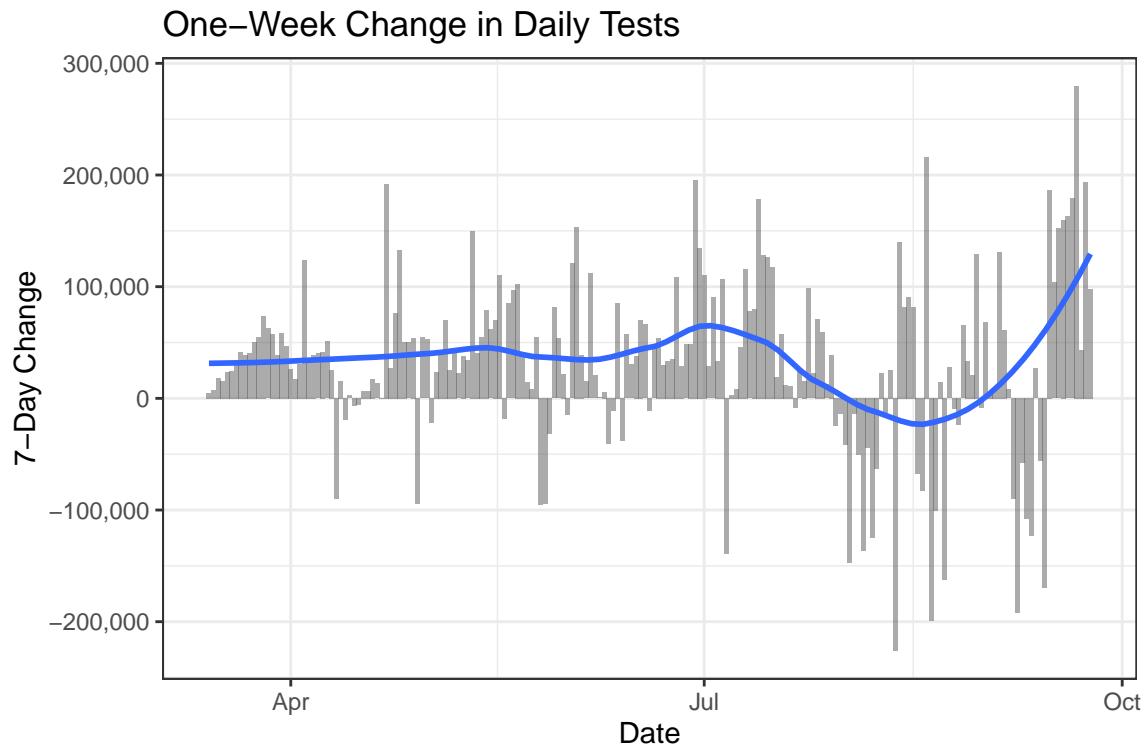
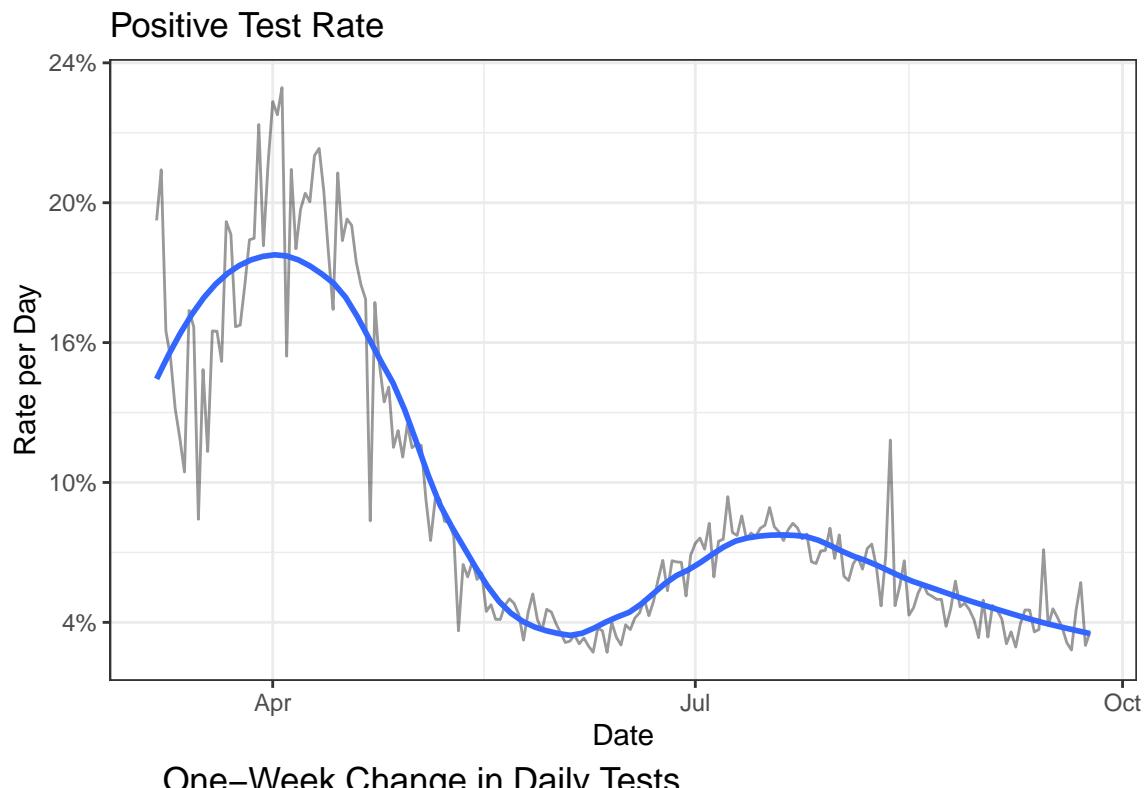
One-Week Change in Daily Cases



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.



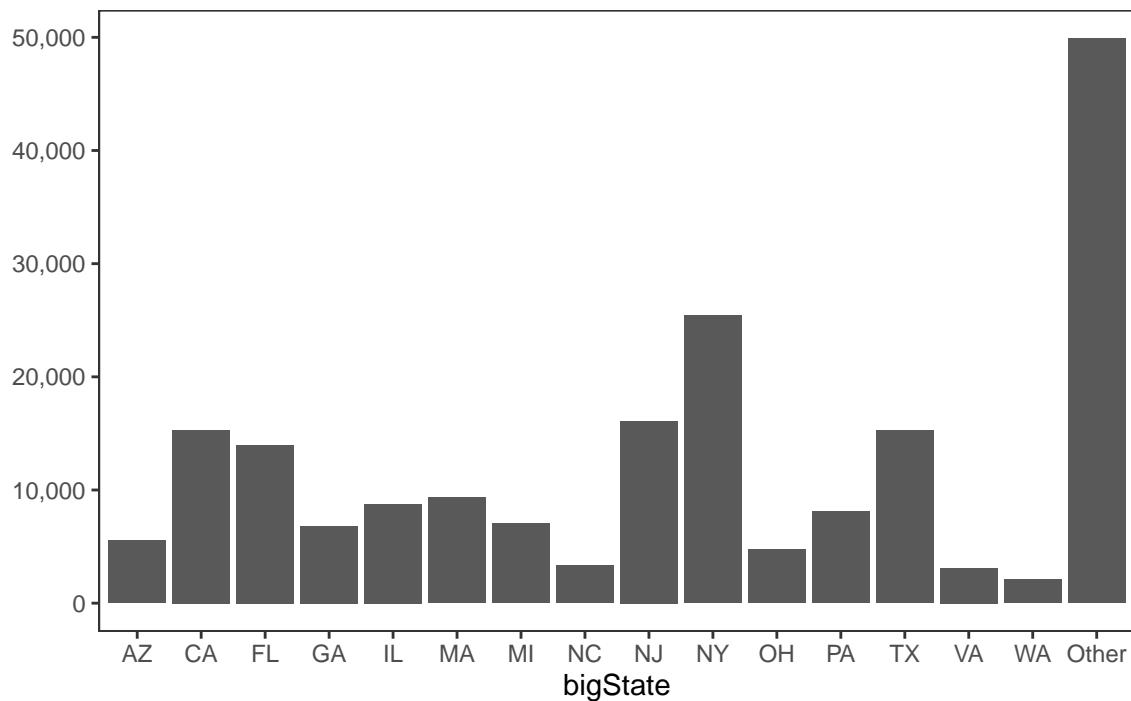


State Data

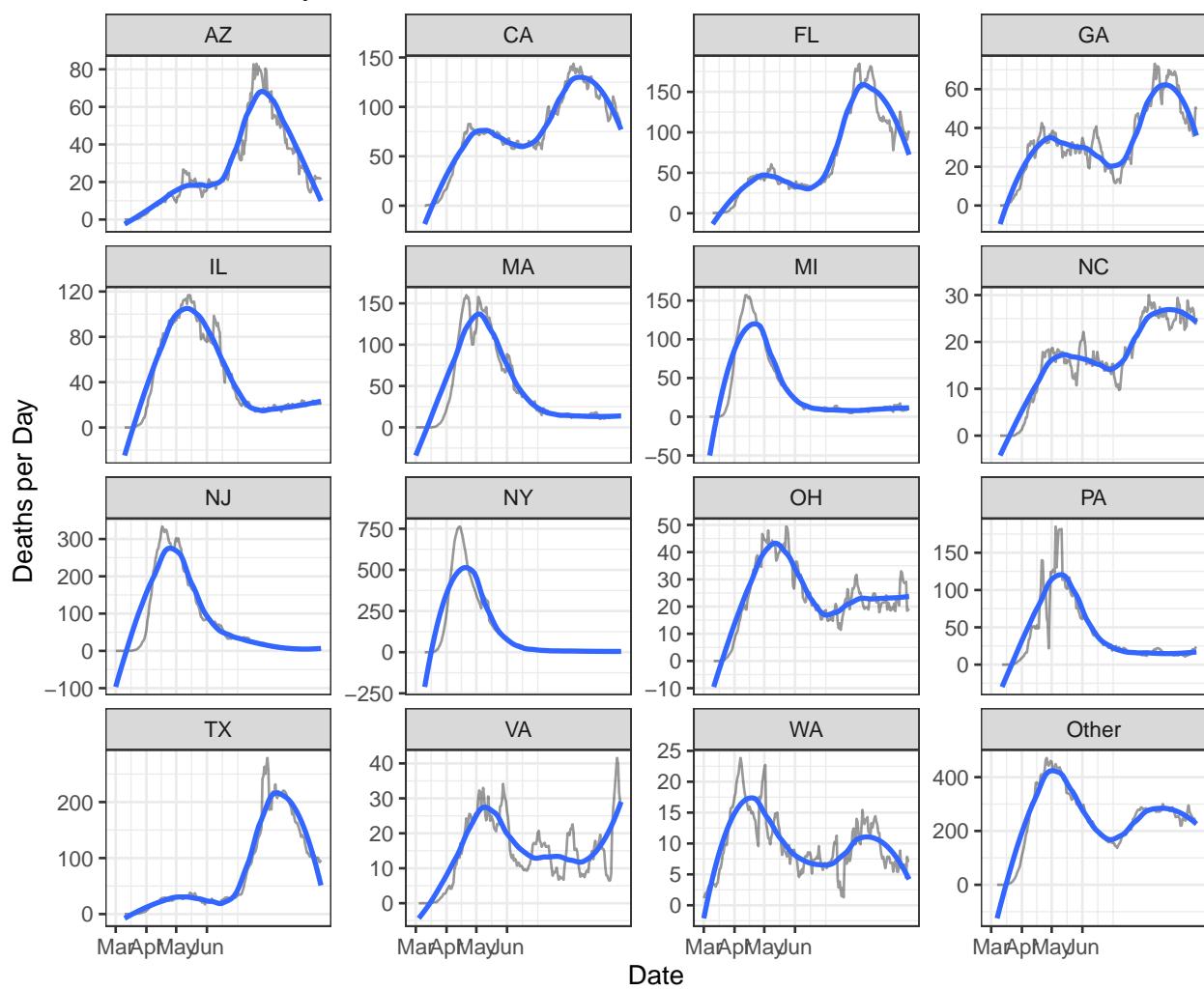
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

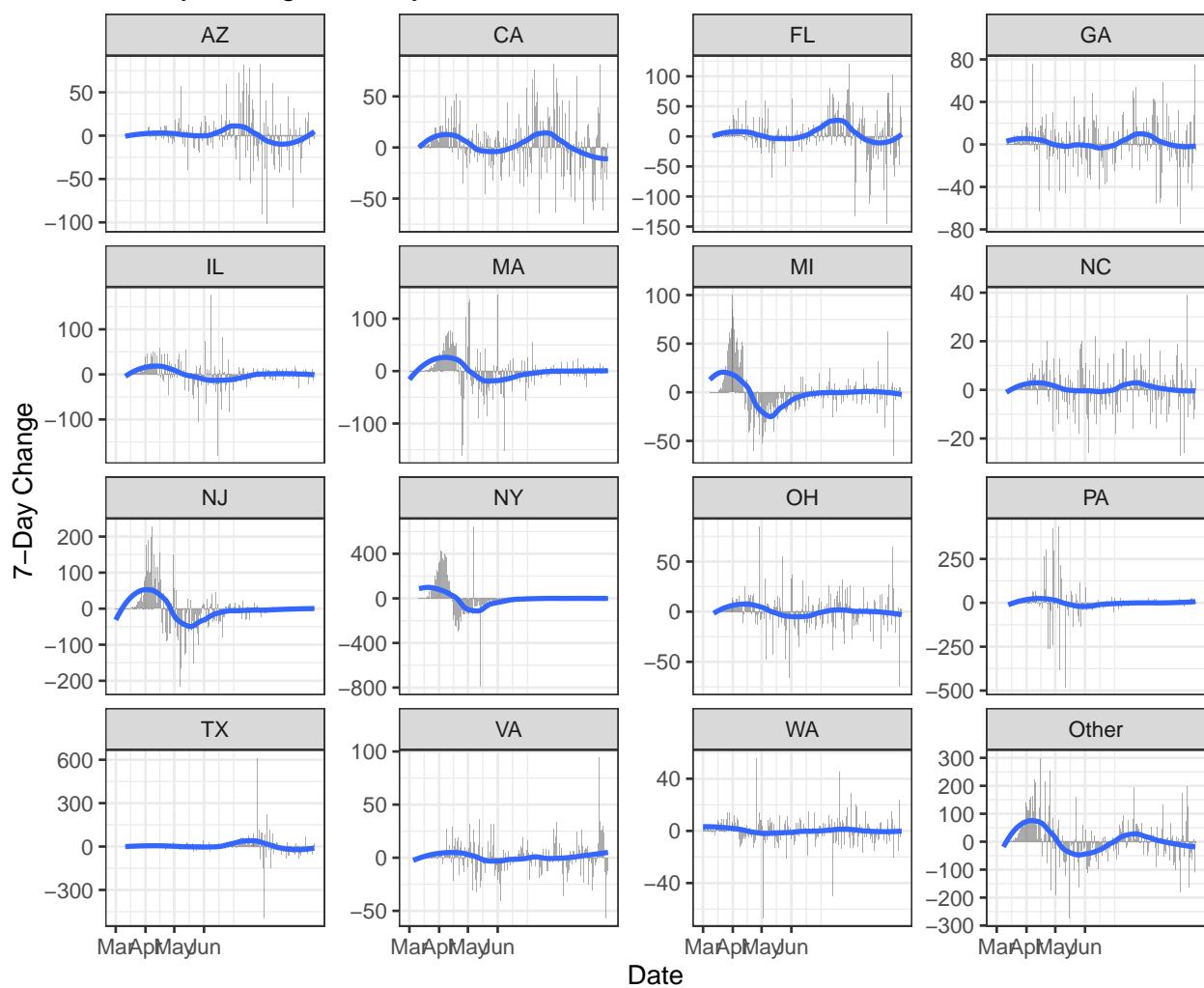
Deaths by State

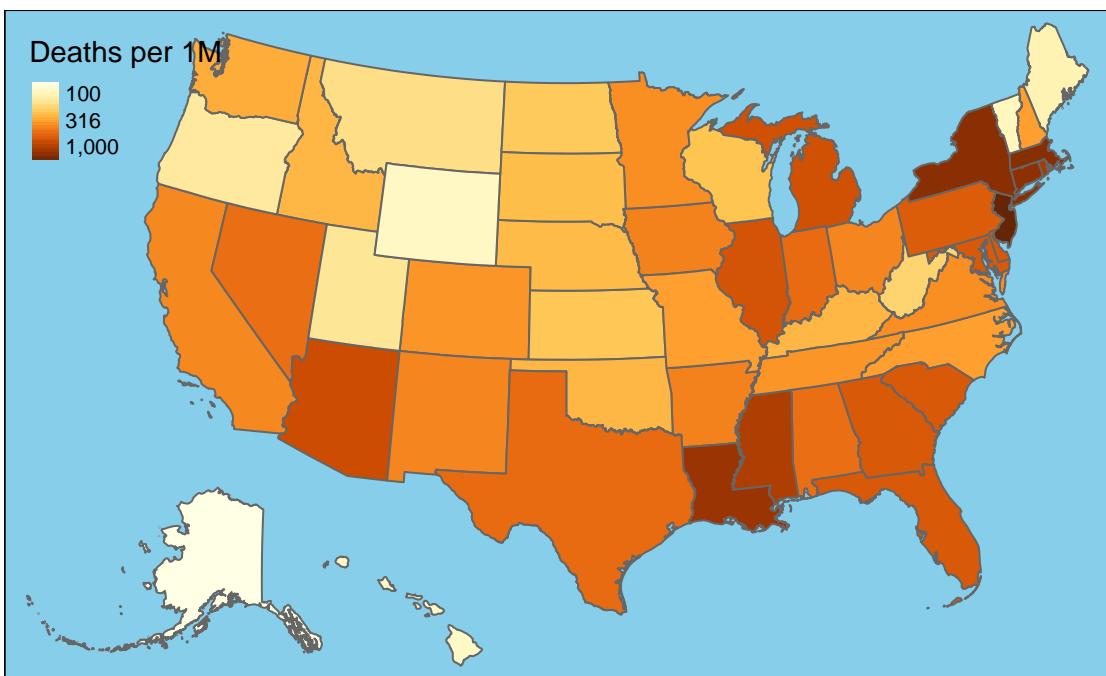
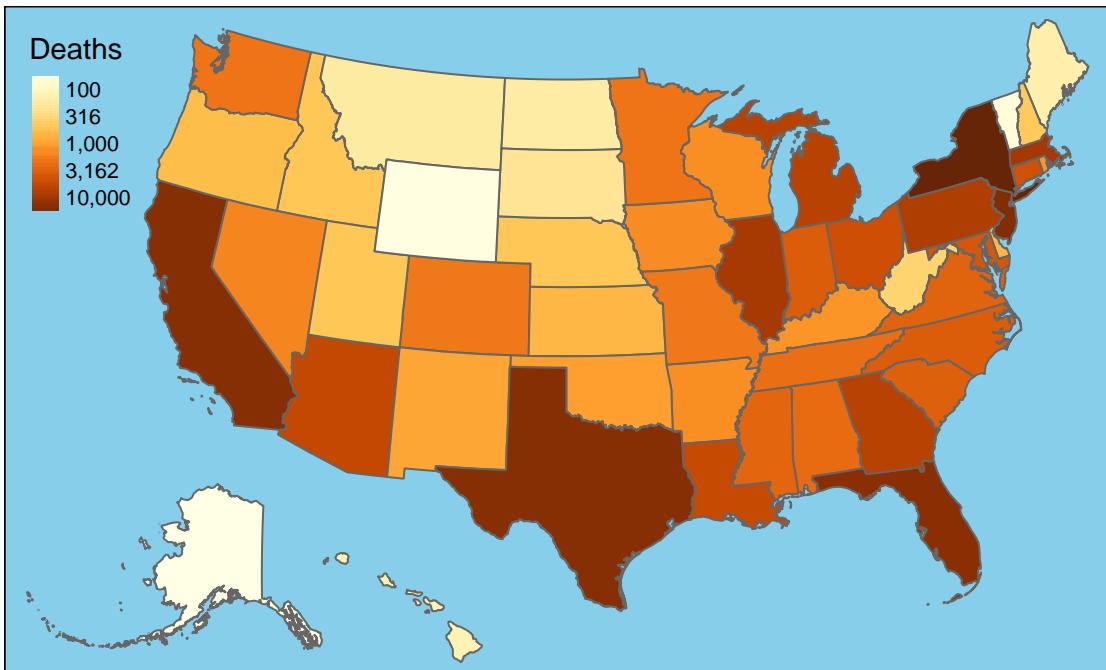


New Deaths by State



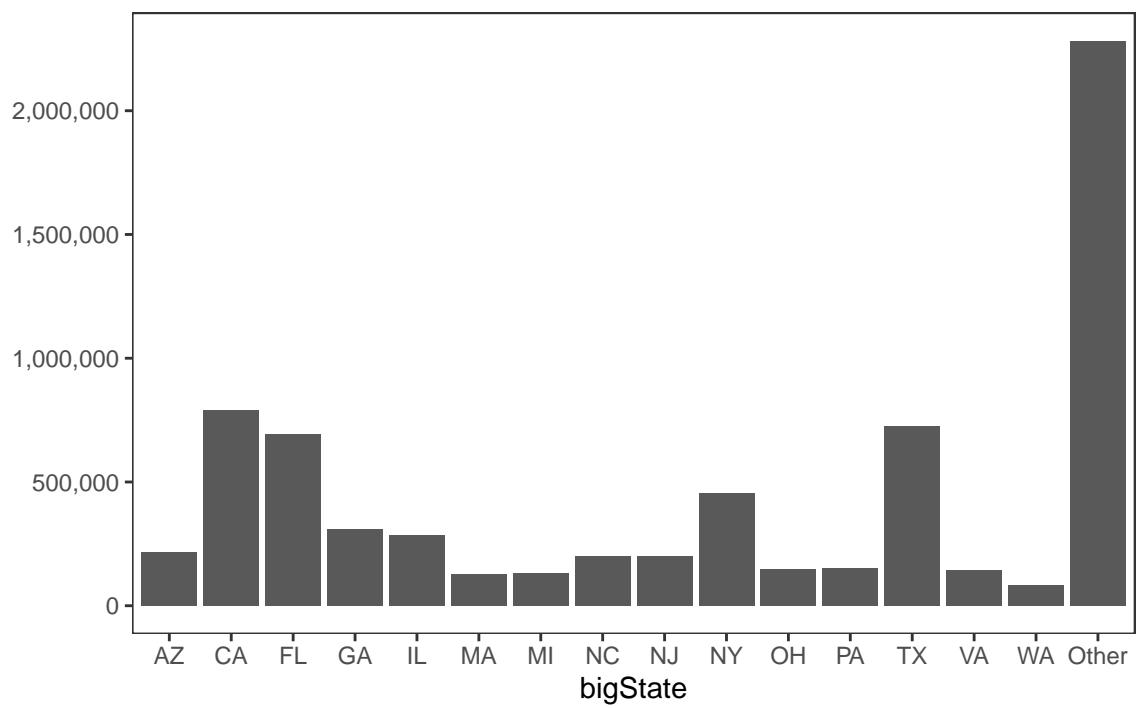
7-Day Change in Daily Deaths



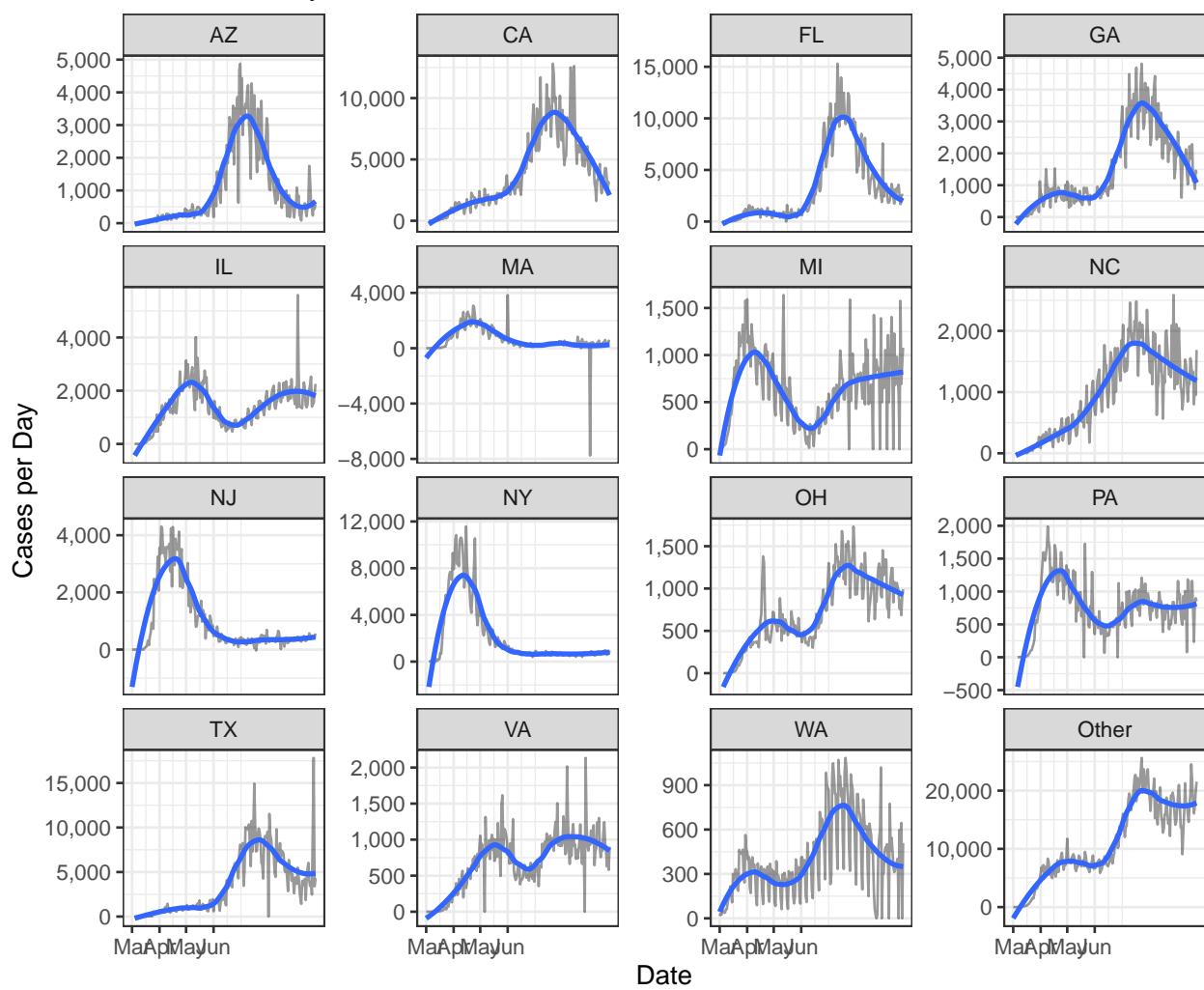


Cases

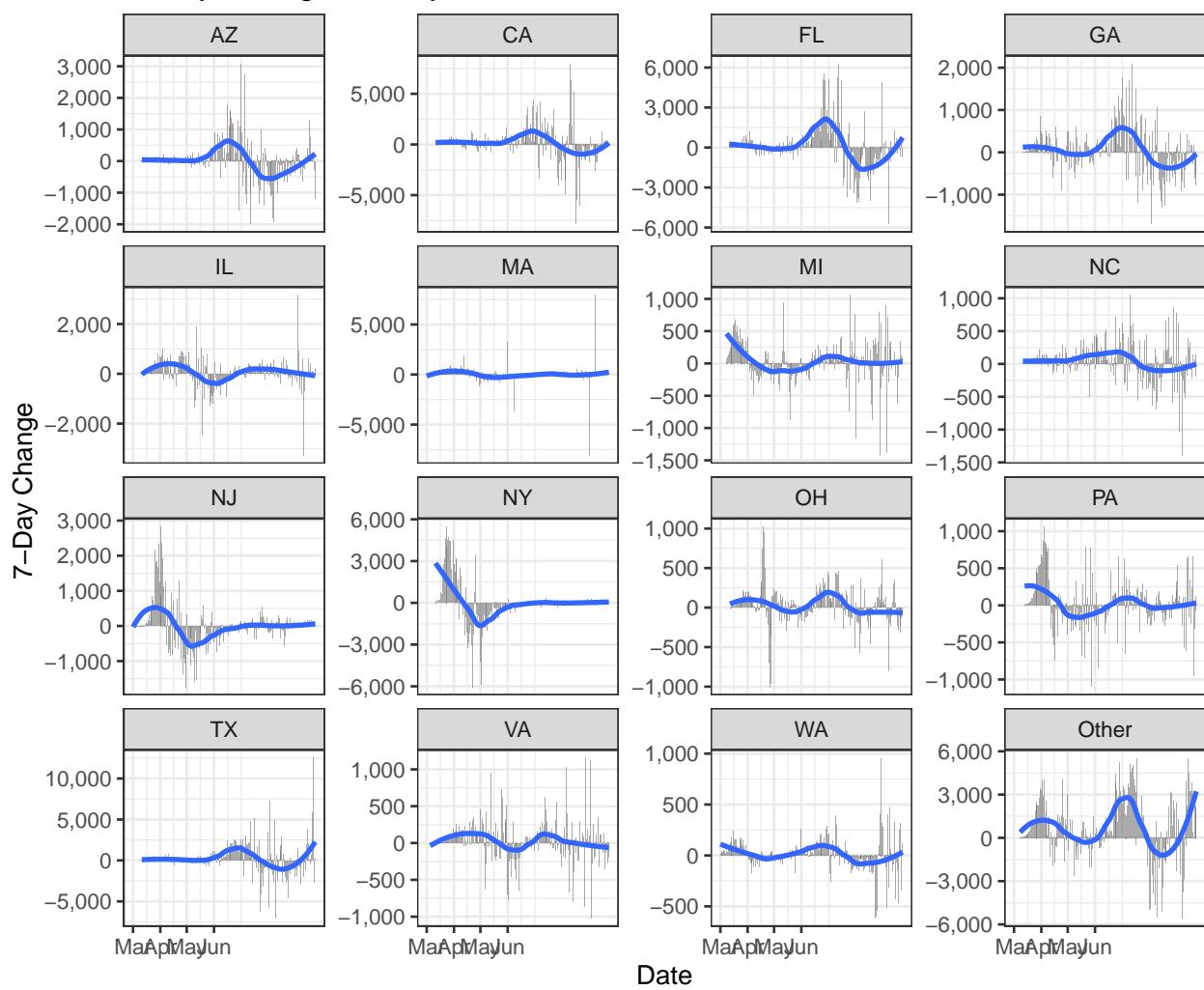
Cases by State

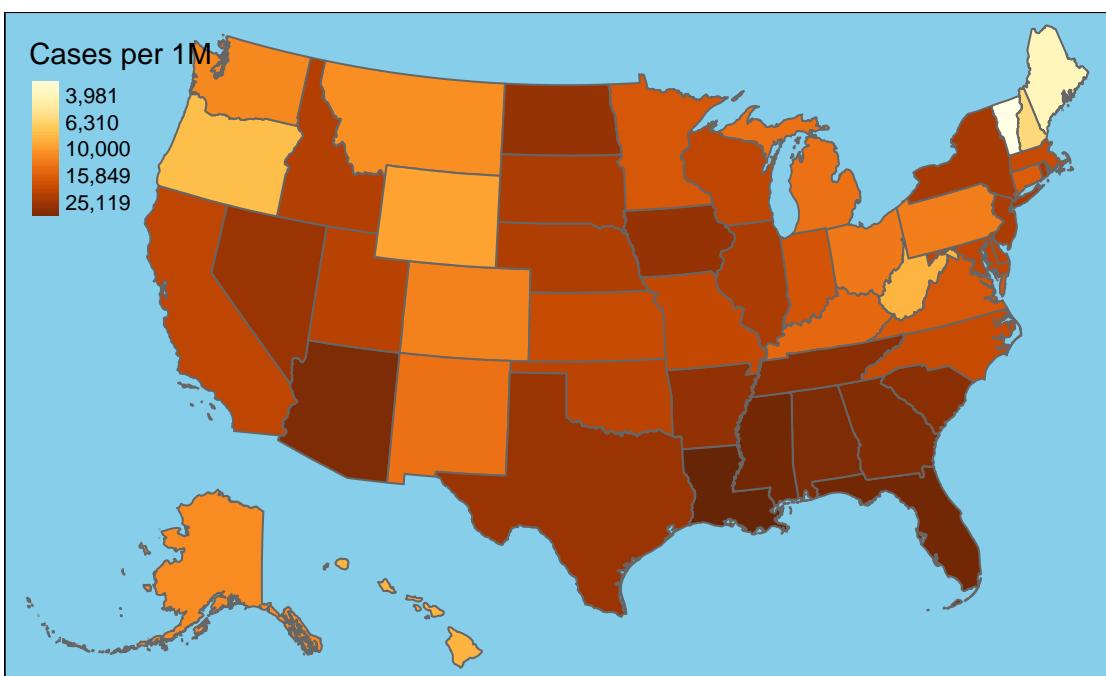
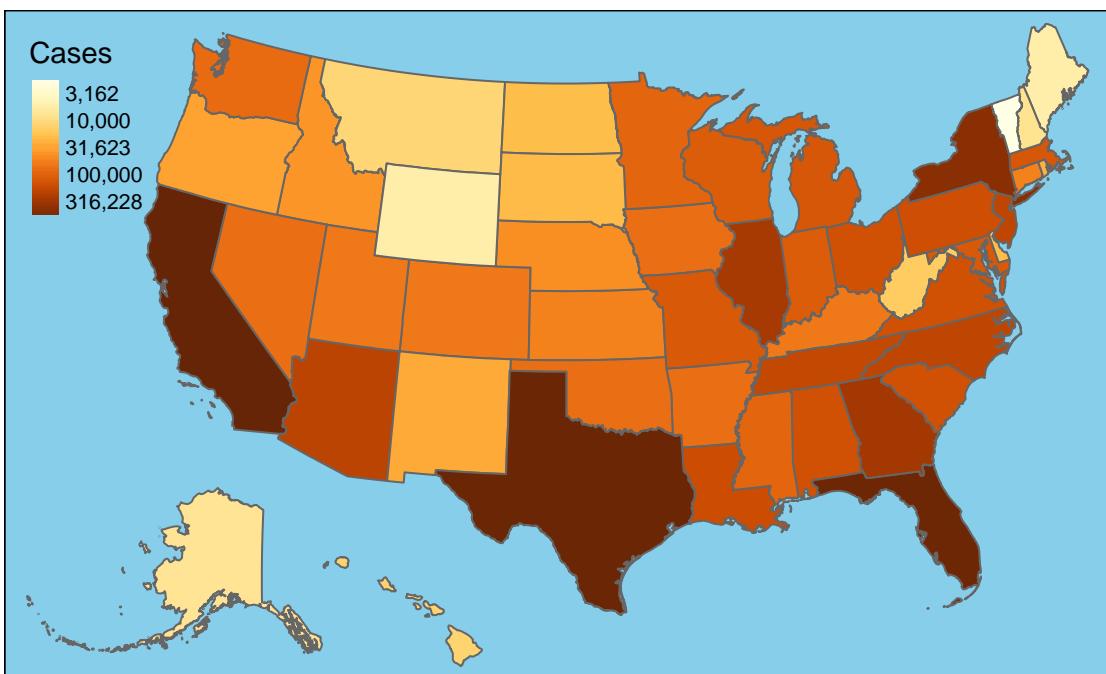


New Cases by State

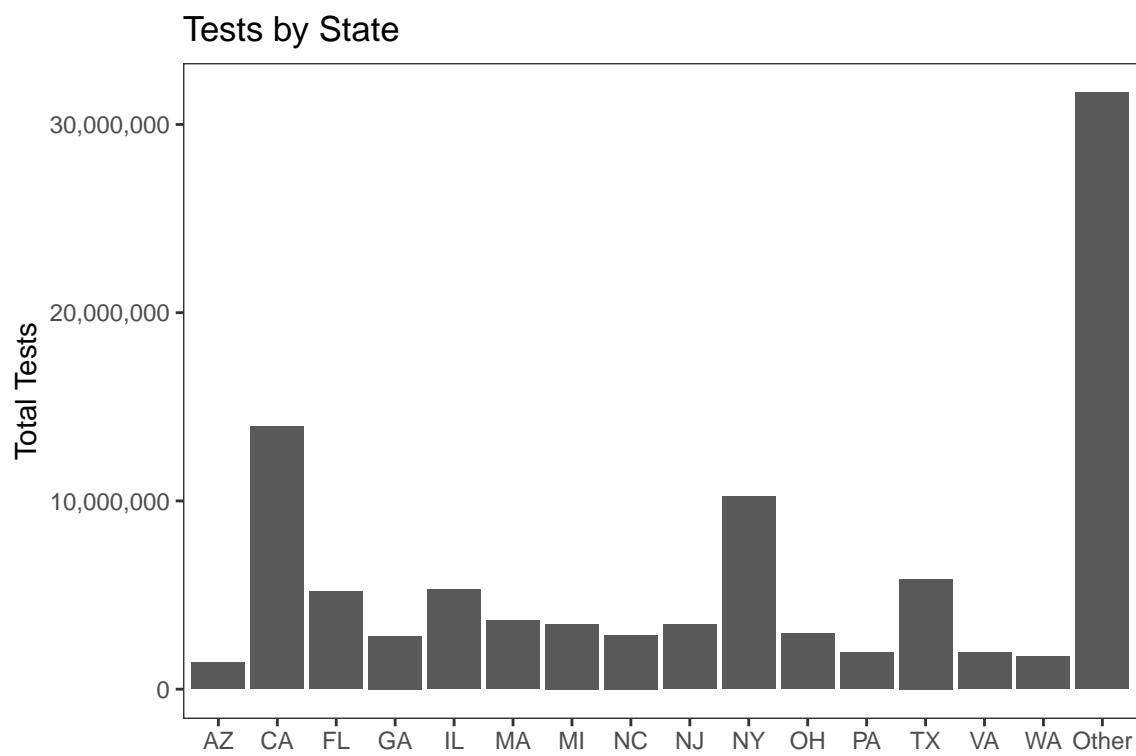


7-Day Change in Daily Cases

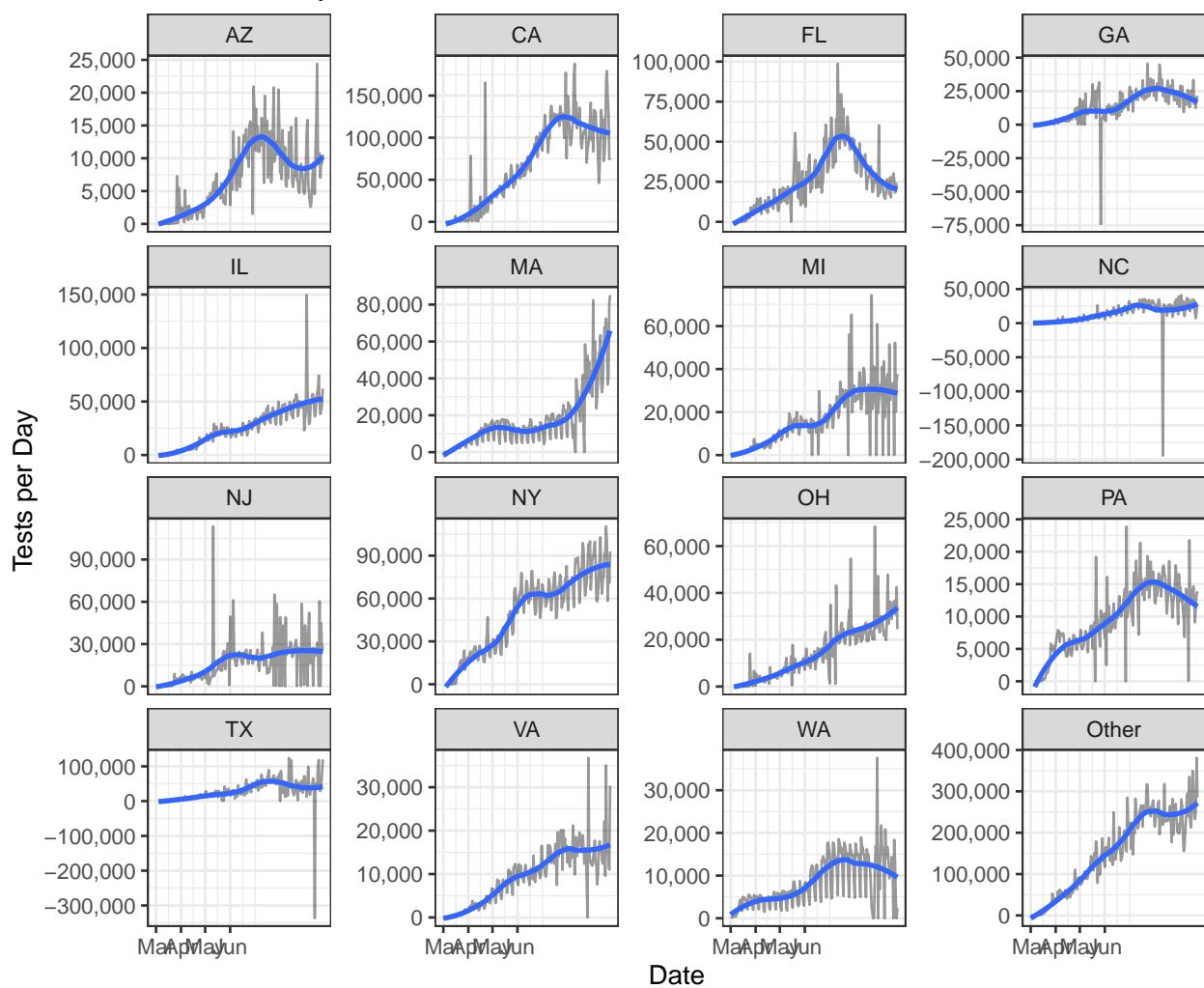


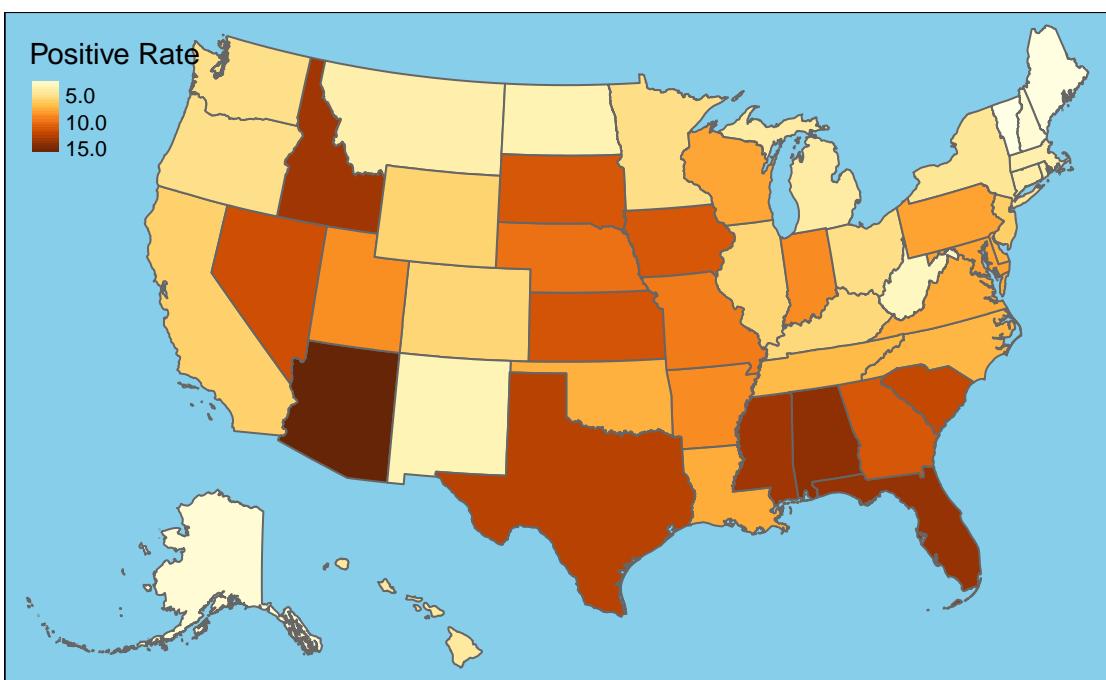
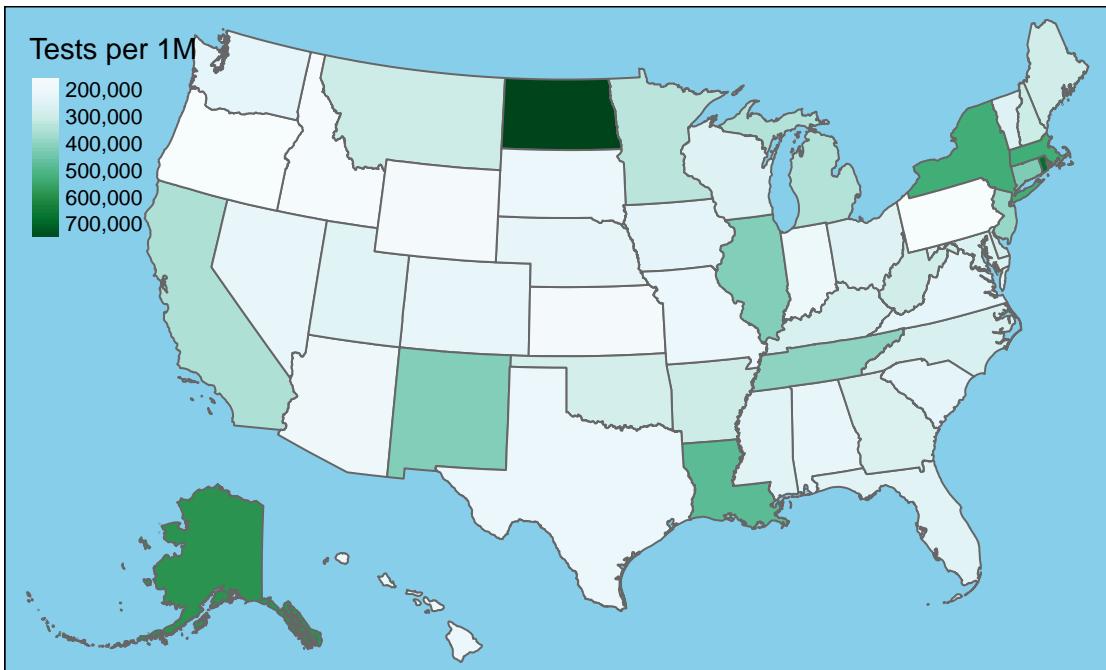


Testing



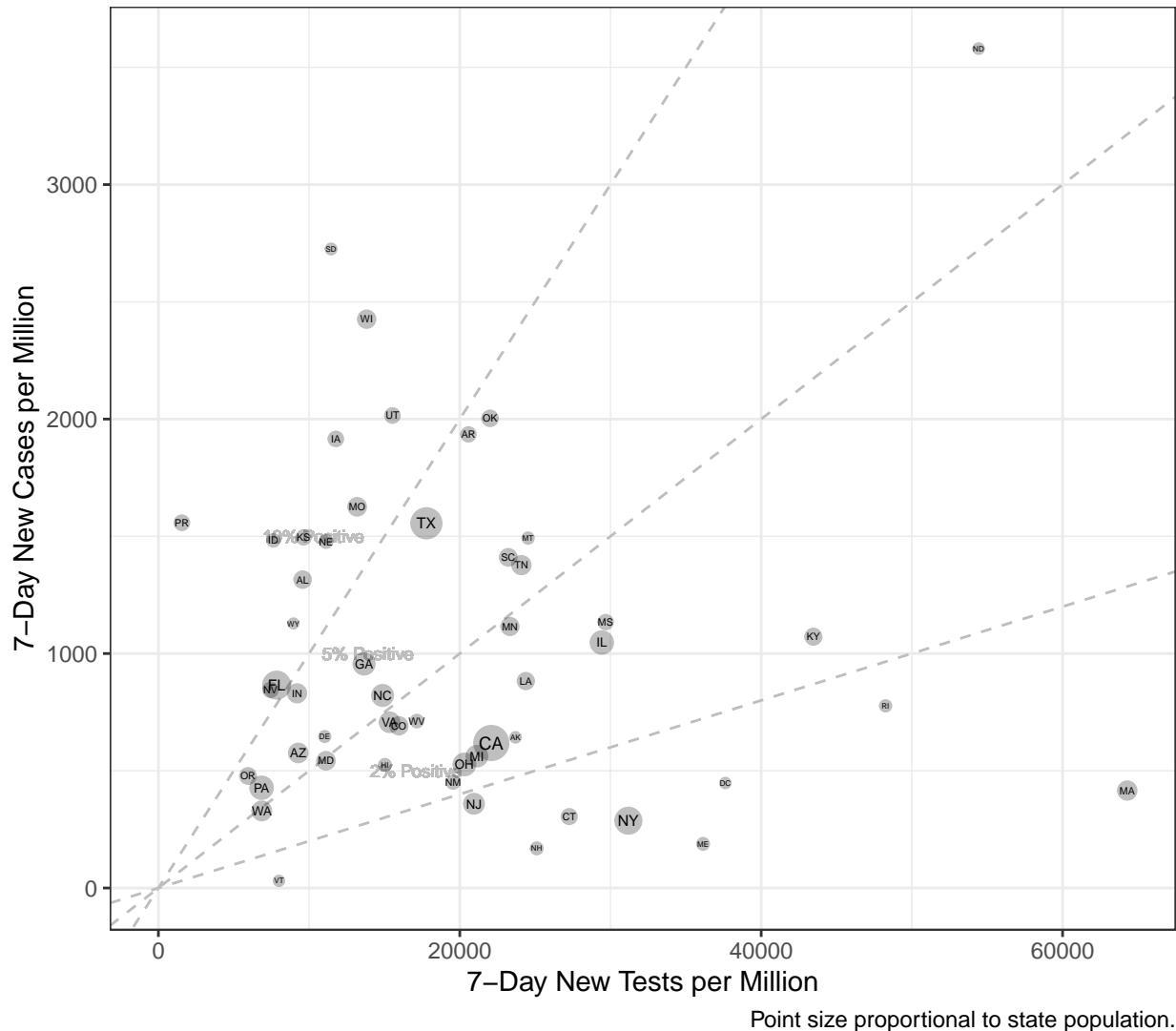
New Tests by State





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



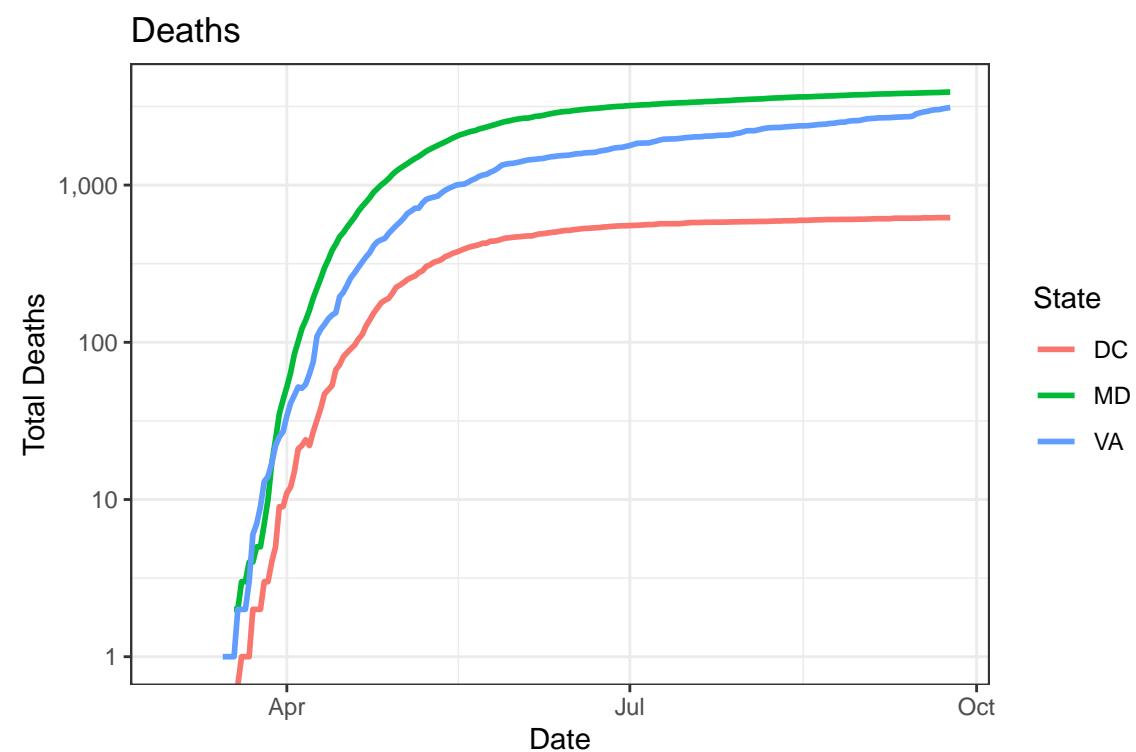
Local Data

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

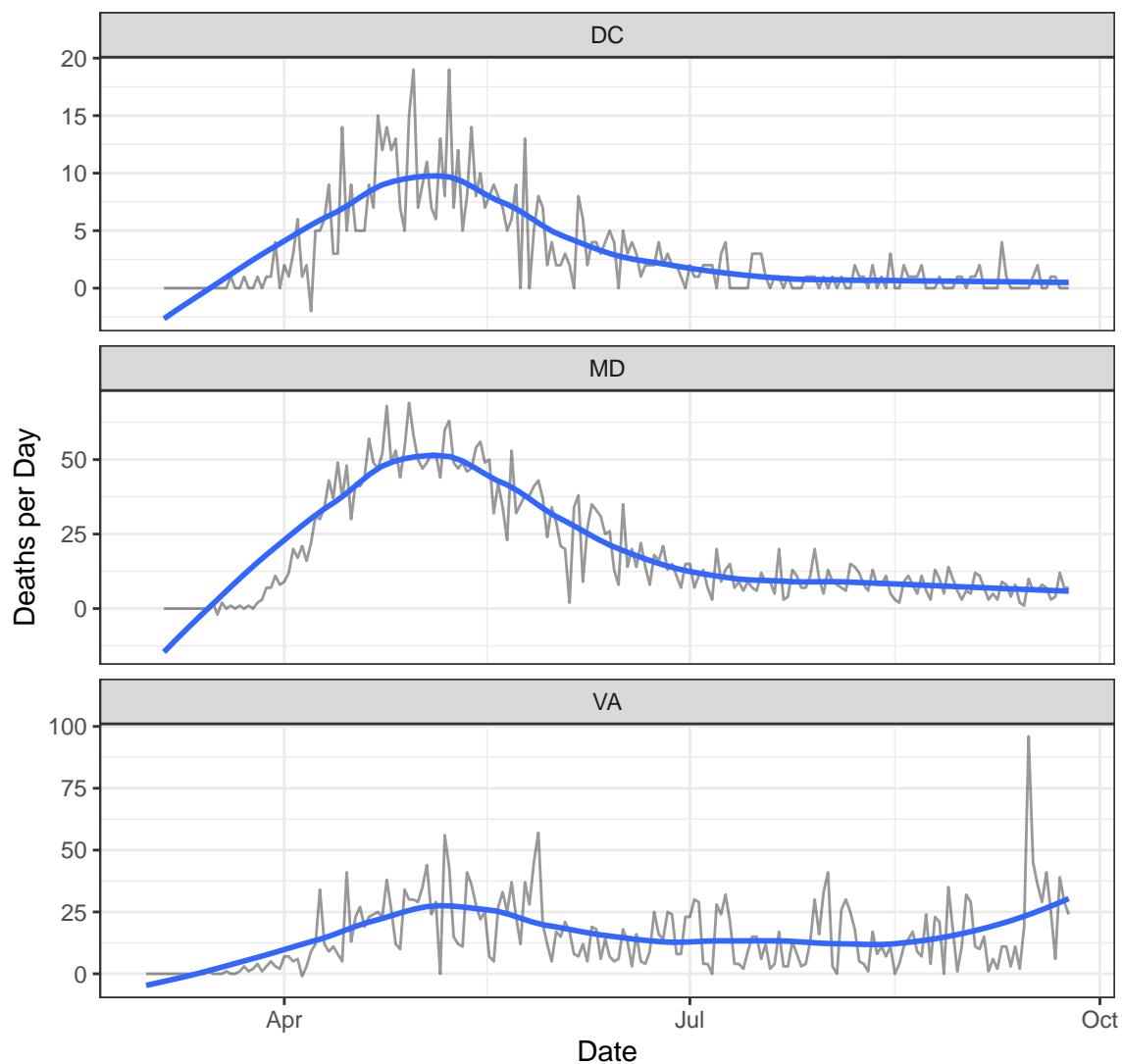
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,106	621	56	0
MD	121,800	3,909	503	7
VA	143,492	3,113	902	24

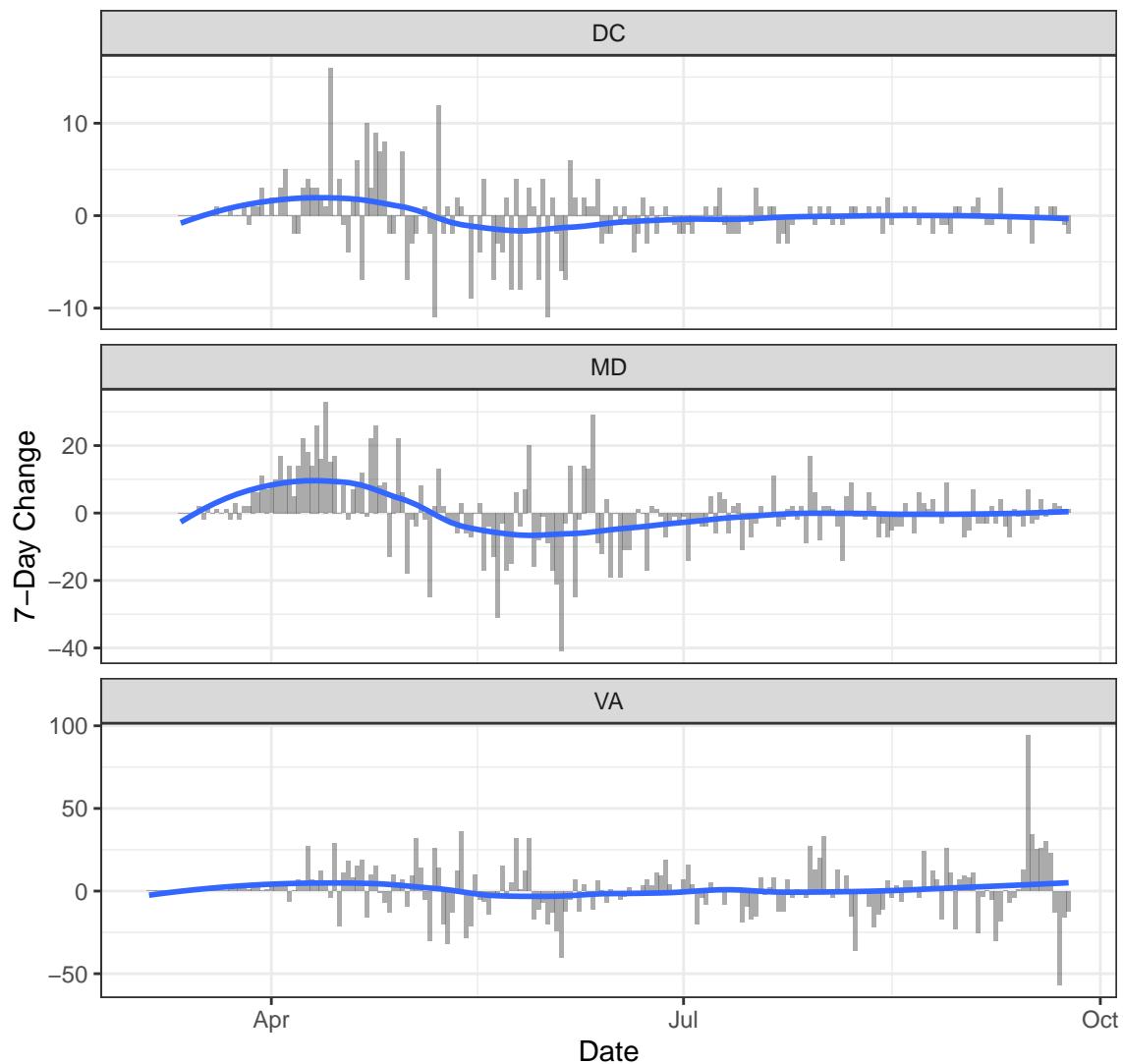
Deaths

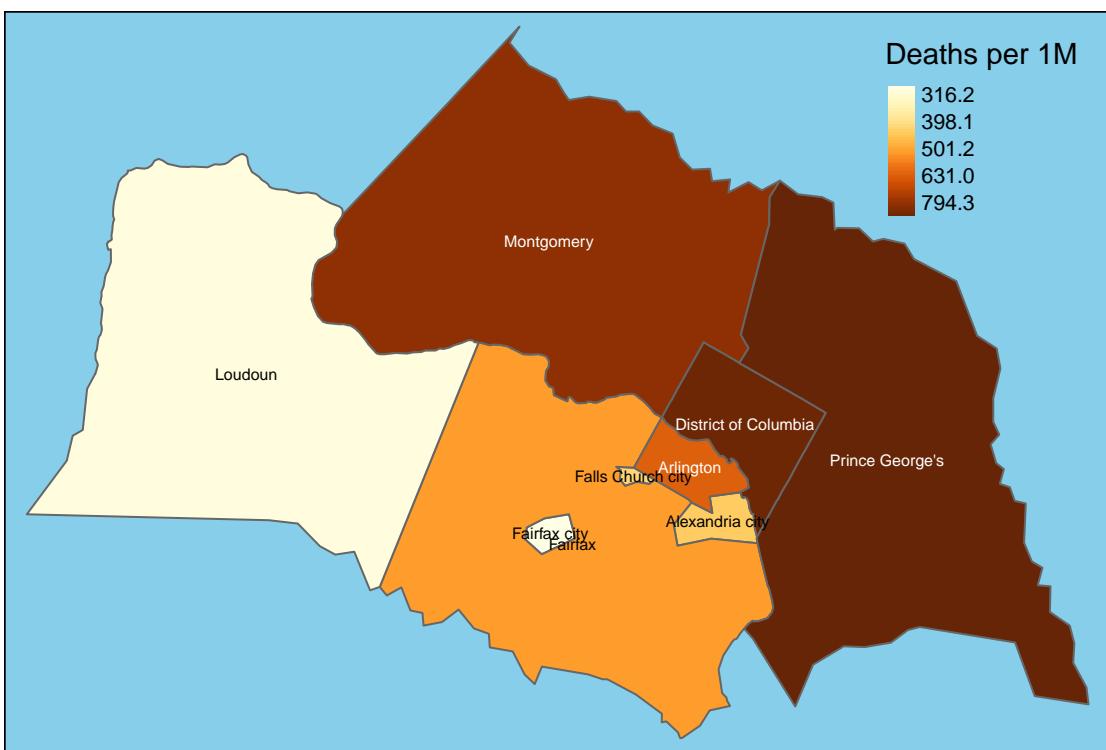
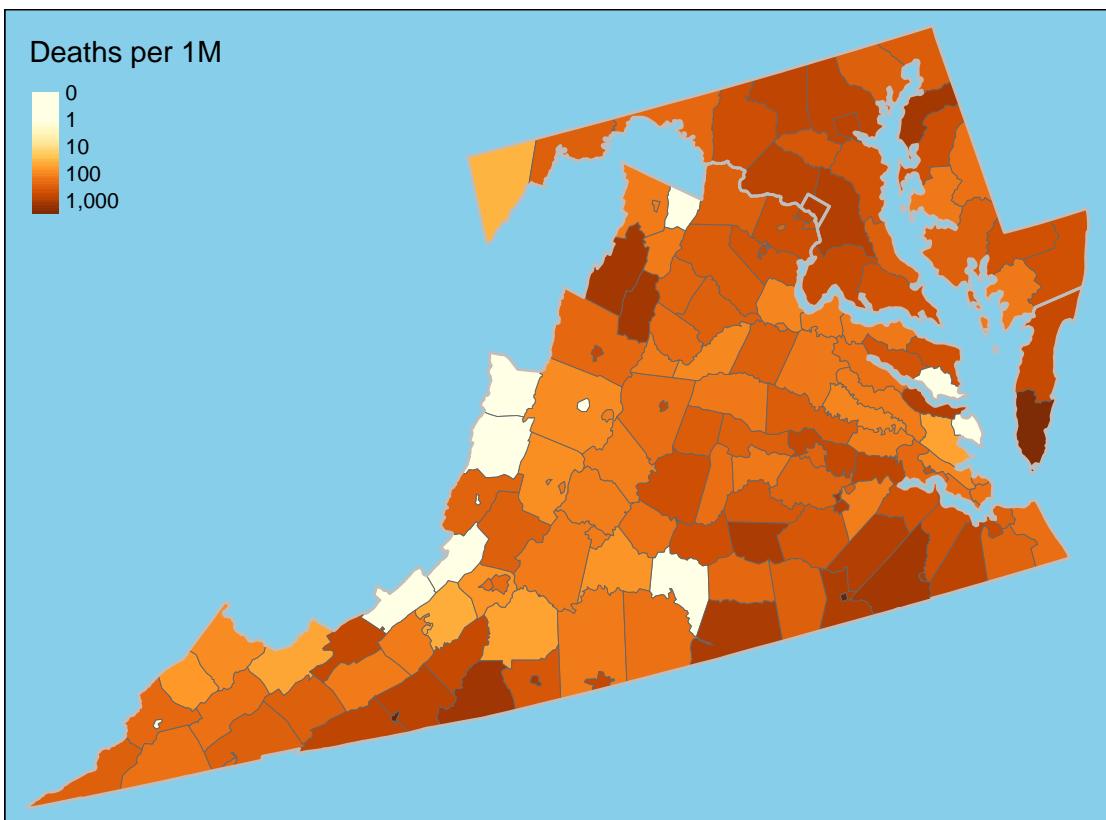


New Deaths

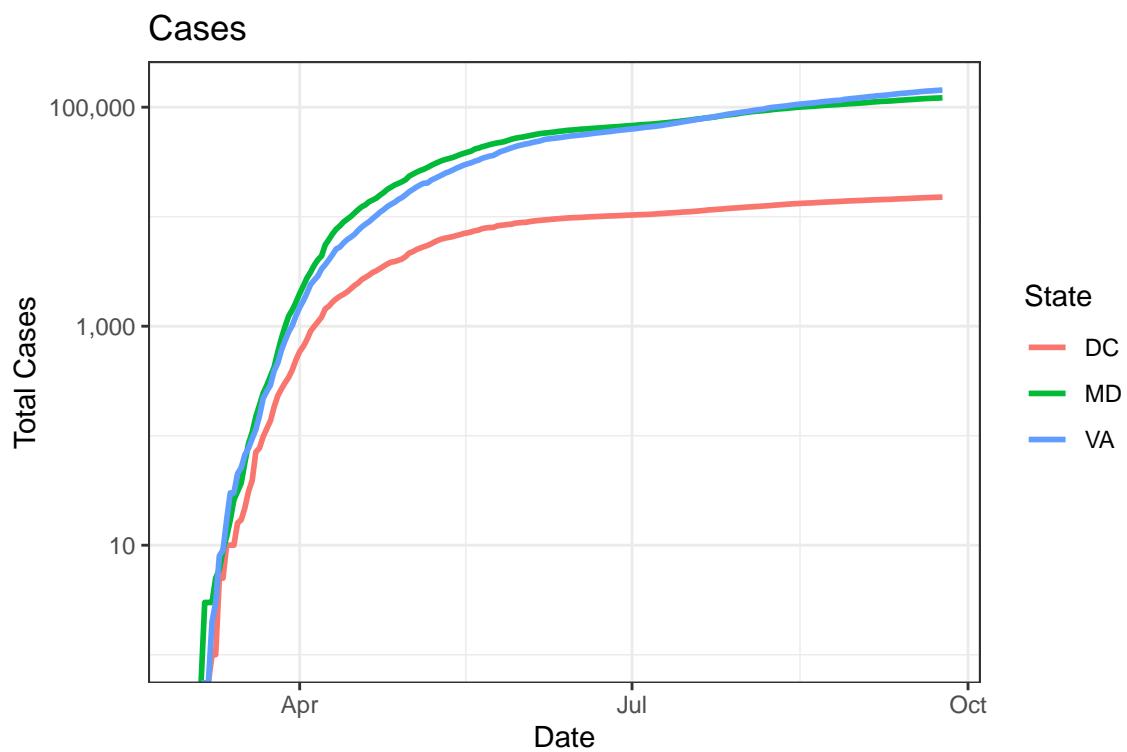


One-Week Change in Daily Deaths

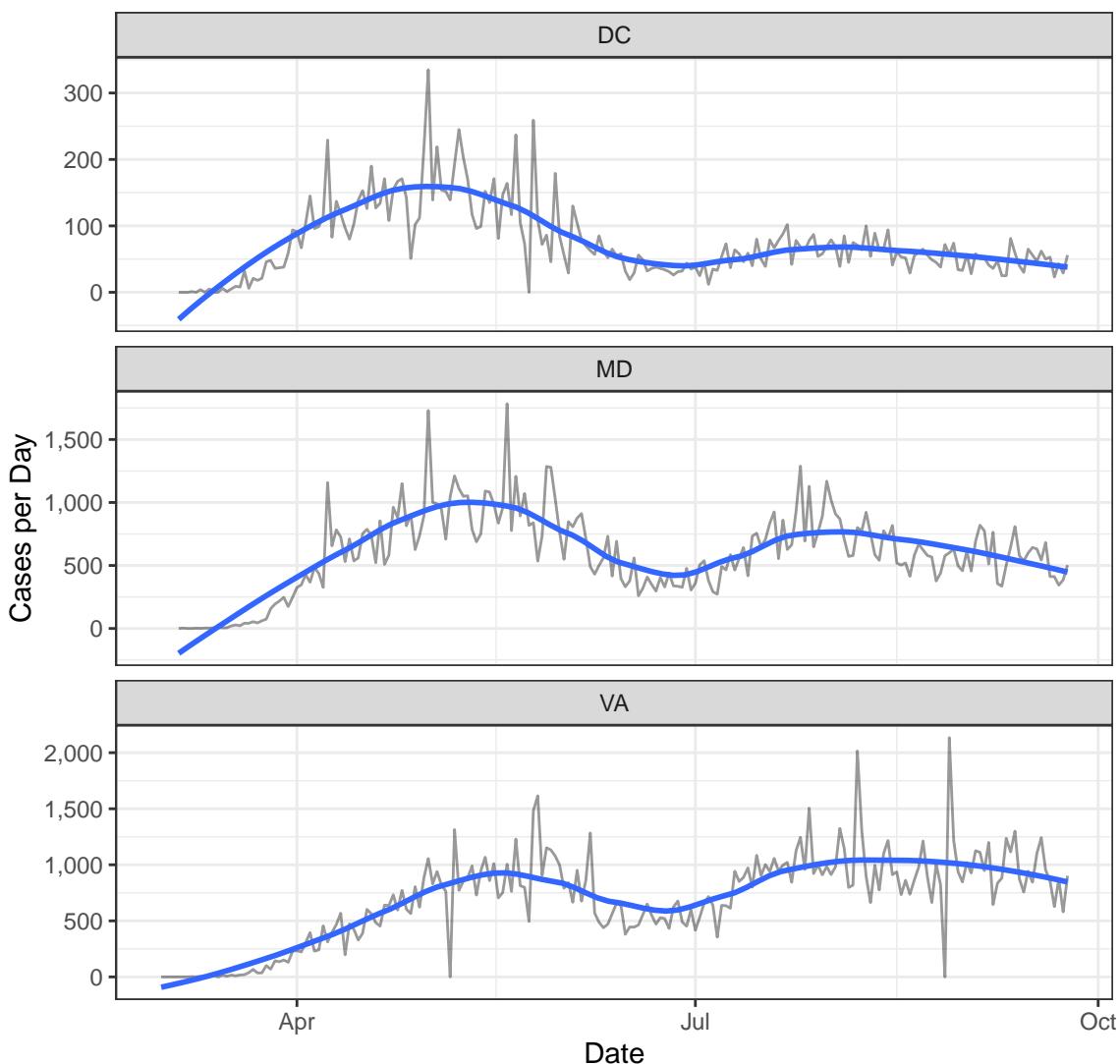




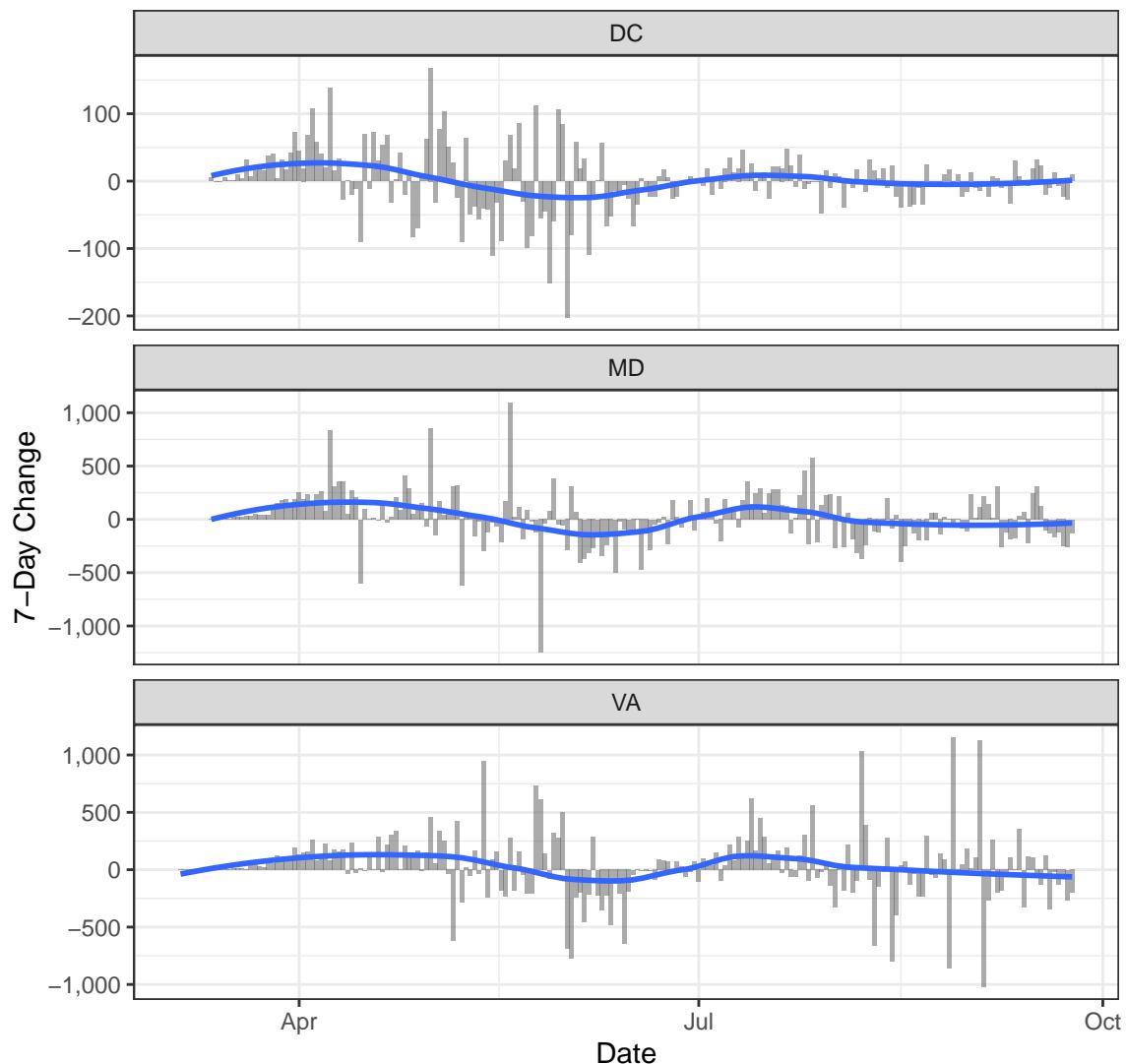
Cases

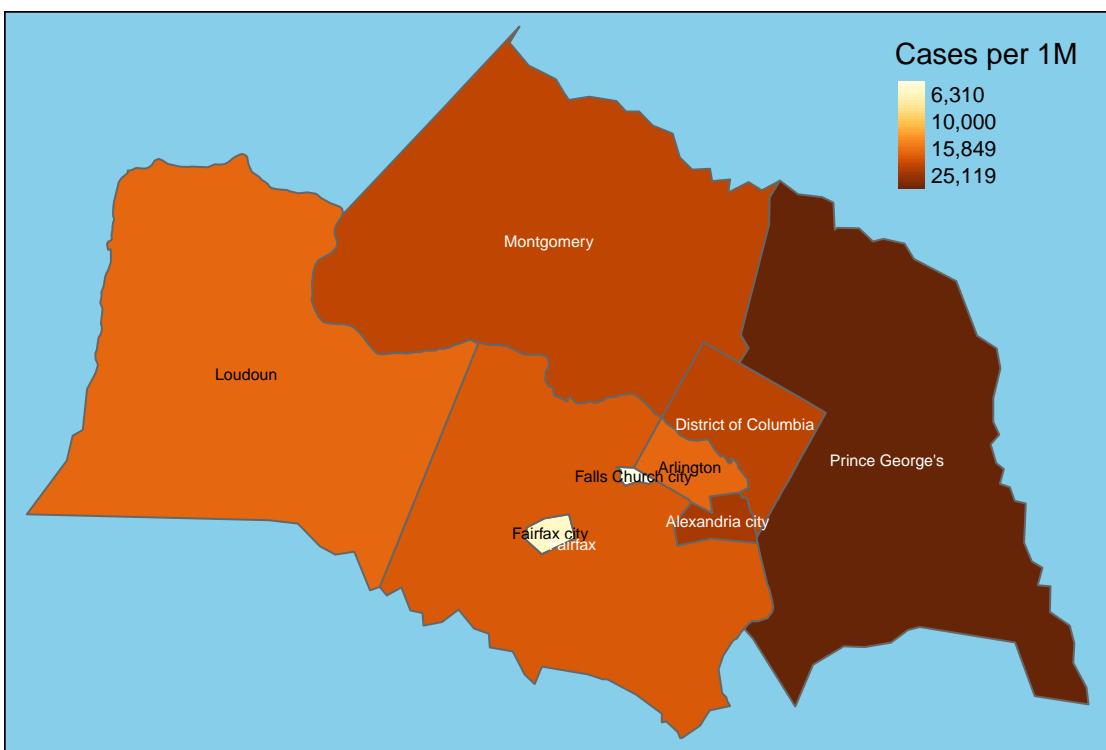
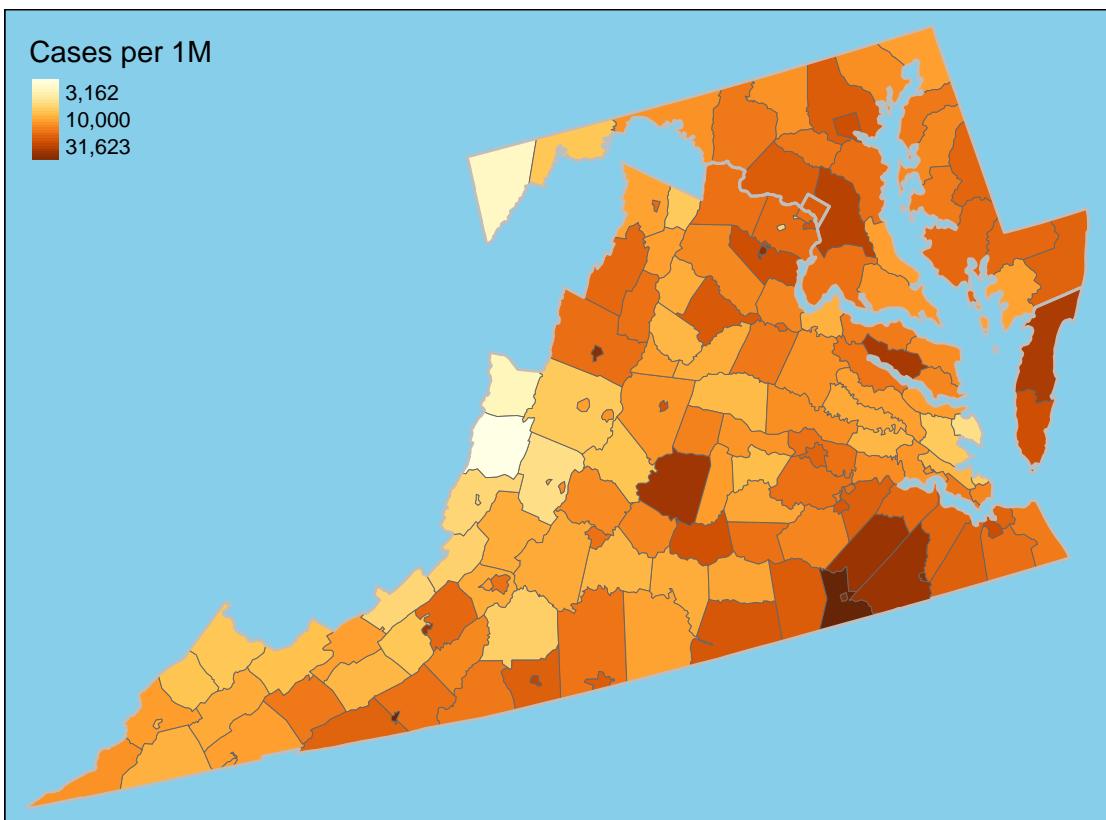


New Cases

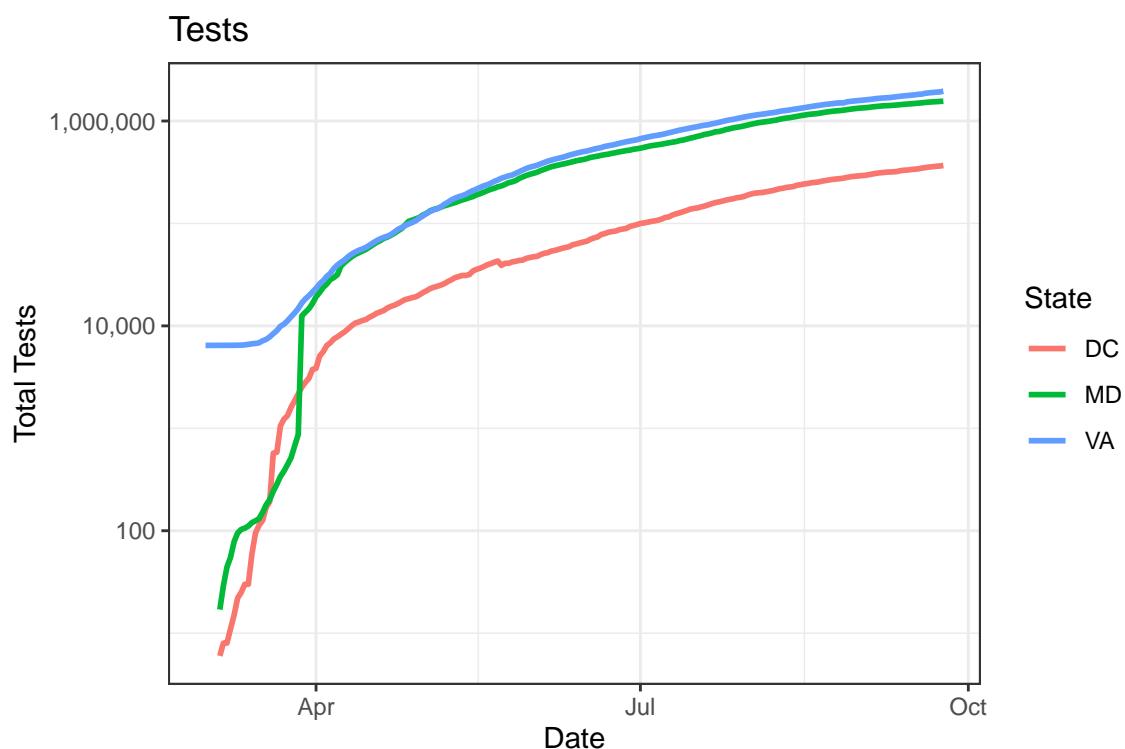


One-Week Change in Daily Cases

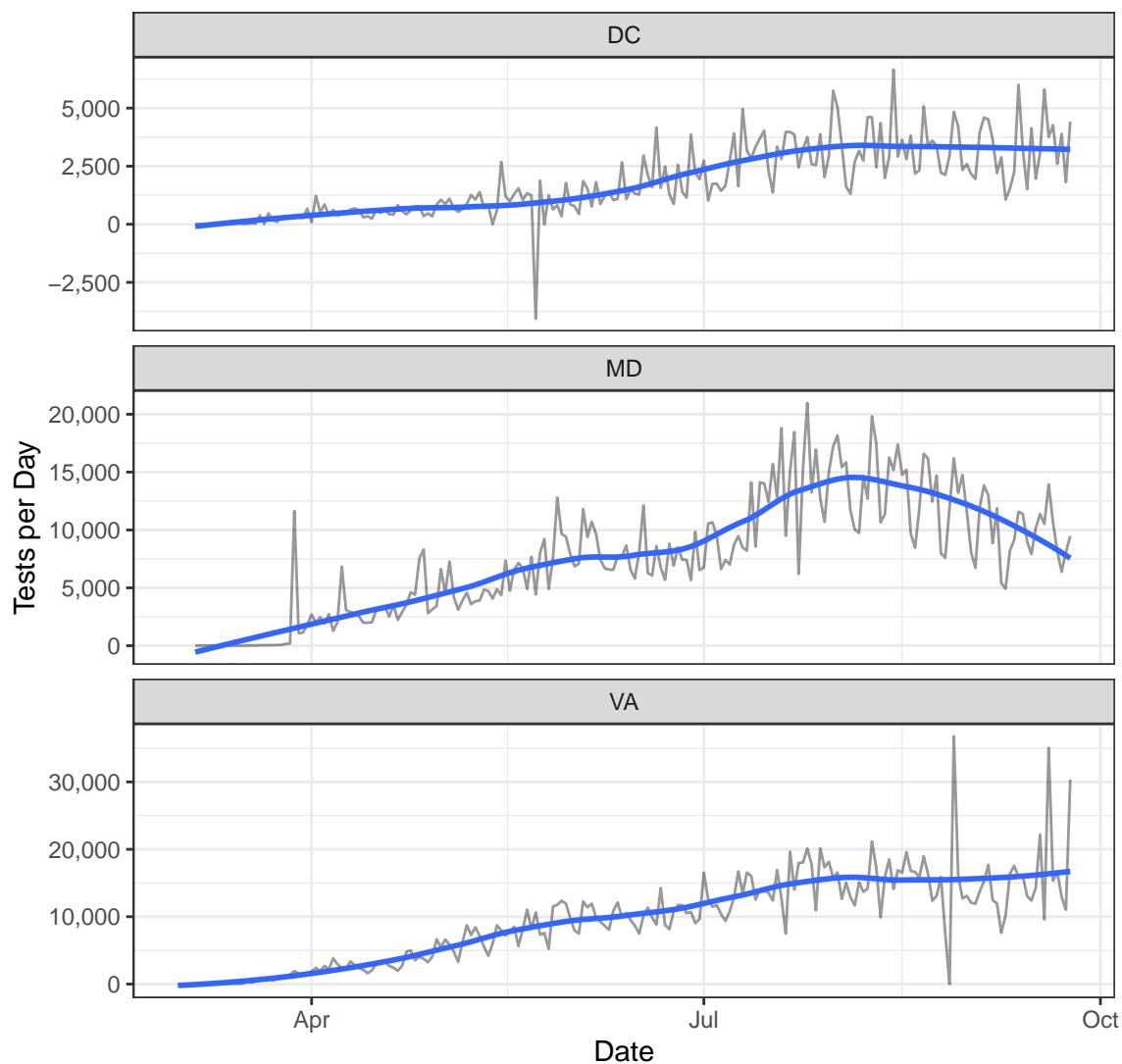




Testing



New Tests



Positive Test Rate

