

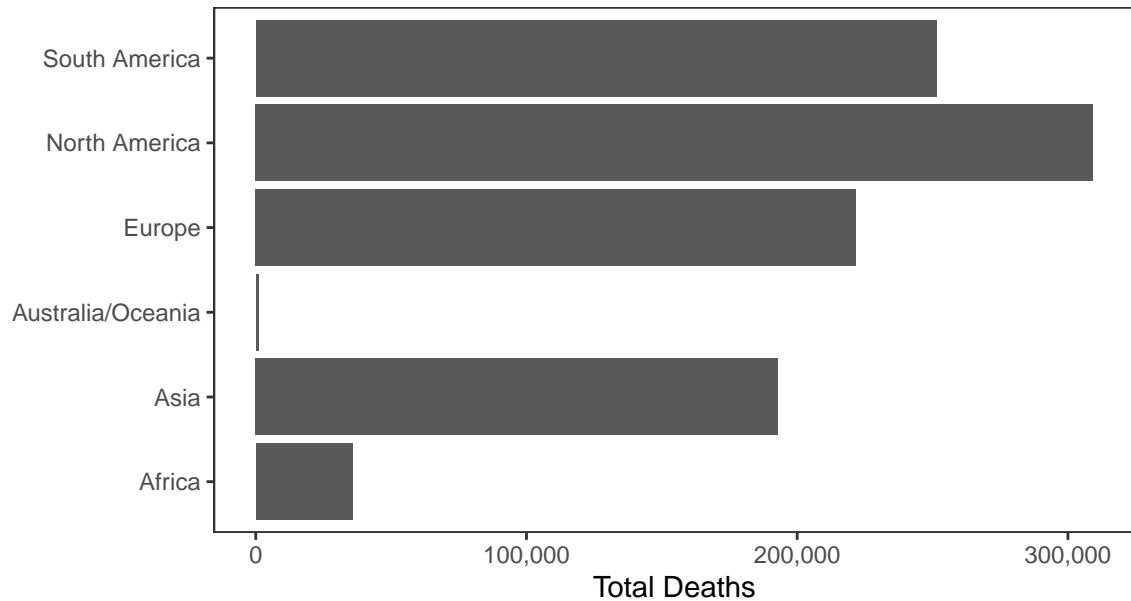
Erik's Covid-19 Chart Pack

Data updated 2020-09-30 19:24:18. 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 33,834,125 confirmed Covid-19 cases and 1,012,009 deaths worldwide.

Deaths



Cases

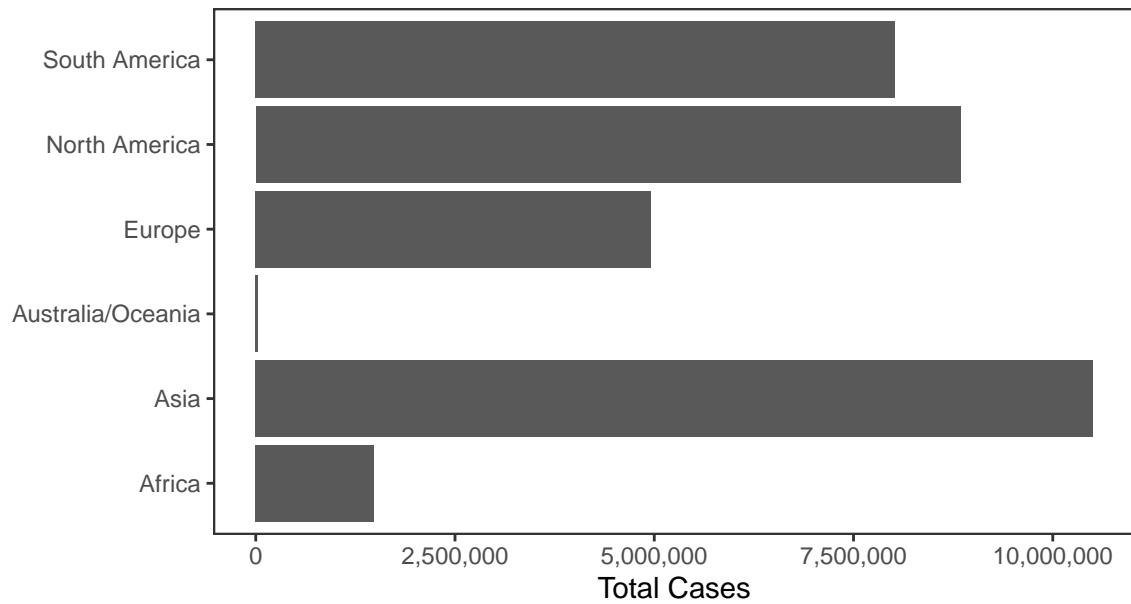
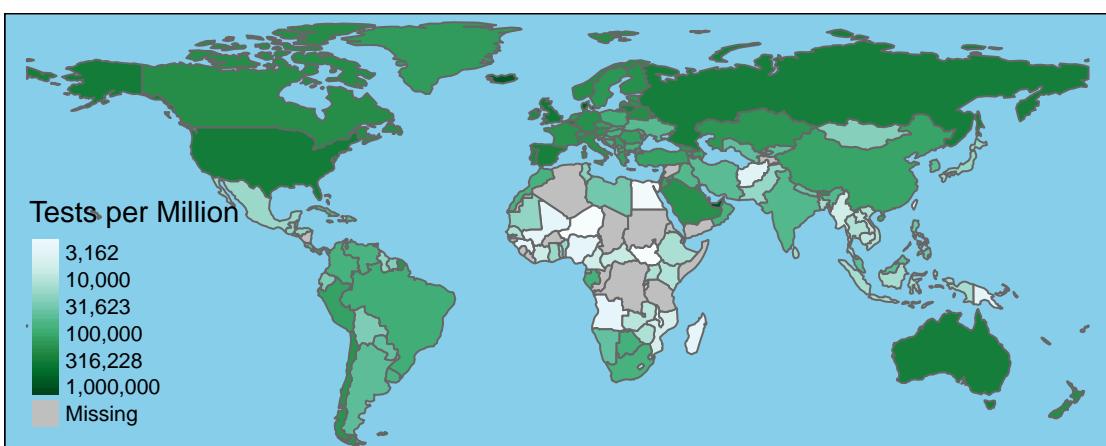
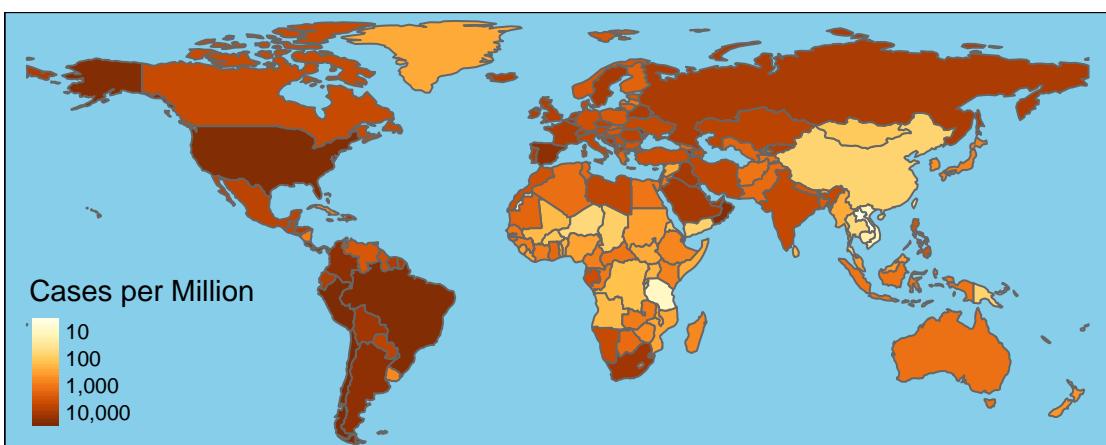
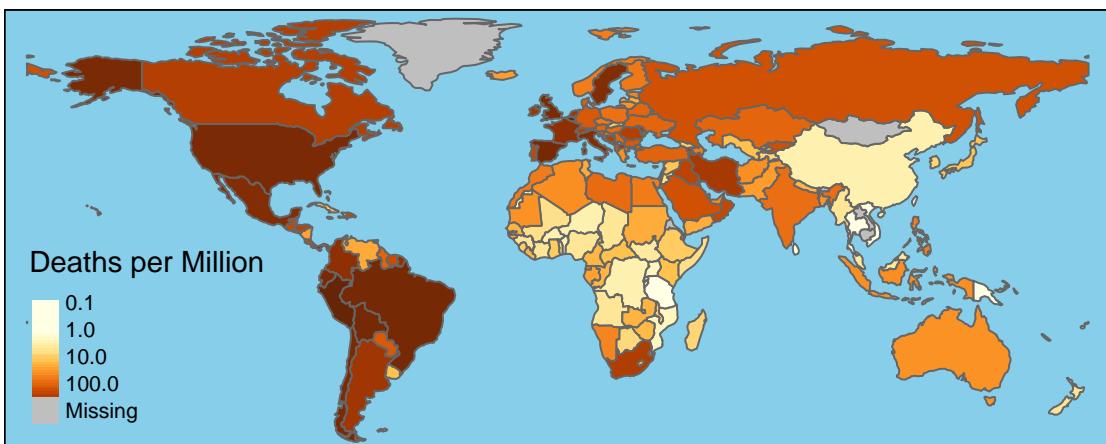


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,406,353	210,785	44,227	977
India	6,223,519	97,529	80,500	1,178
Brazil	4,780,317	143,010	31,990	849
Russia	1,167,805	20,545	8,232	160
Colombia	824,042	25,828	5,839	187
Peru	811,768	32,396	3,054	72
Spain	758,172	31,614	9,906	203
Argentina	736,609	16,519	13,477	406
Mexico	733,717	76,603	3,400	173
South Africa	672,572	16,667	903	81
France	550,690	31,893	8,051	85
Chile	461,300	12,725	1,629	27
Iran	453,637	25,986	3,677	207
UK	446,156	42,072	7,143	71
Bangladesh	362,043	5,219	1,488	26
Iraq	358,290	9,122	4,724	70
Saudi Arabia	334,187	4,739	539	27
Turkey	317,272	8,130	1,427	68
Italy	313,010	35,875	1,647	24
Pakistan	311,516	6,474	675	8



National Data

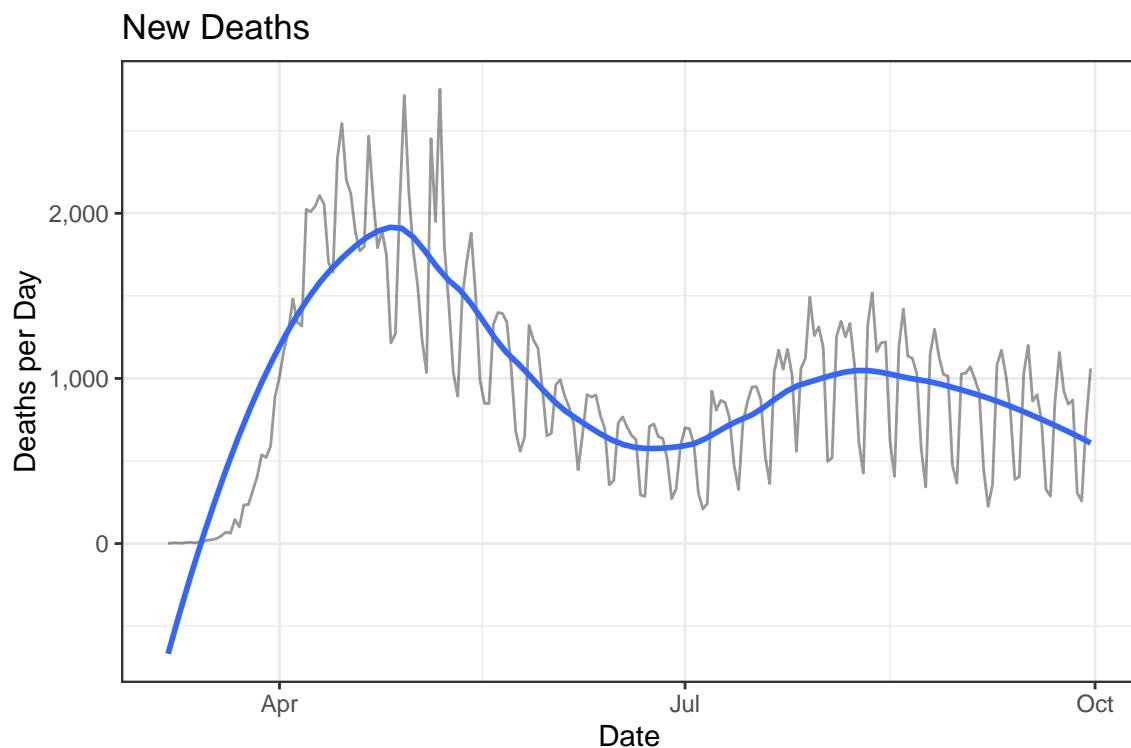
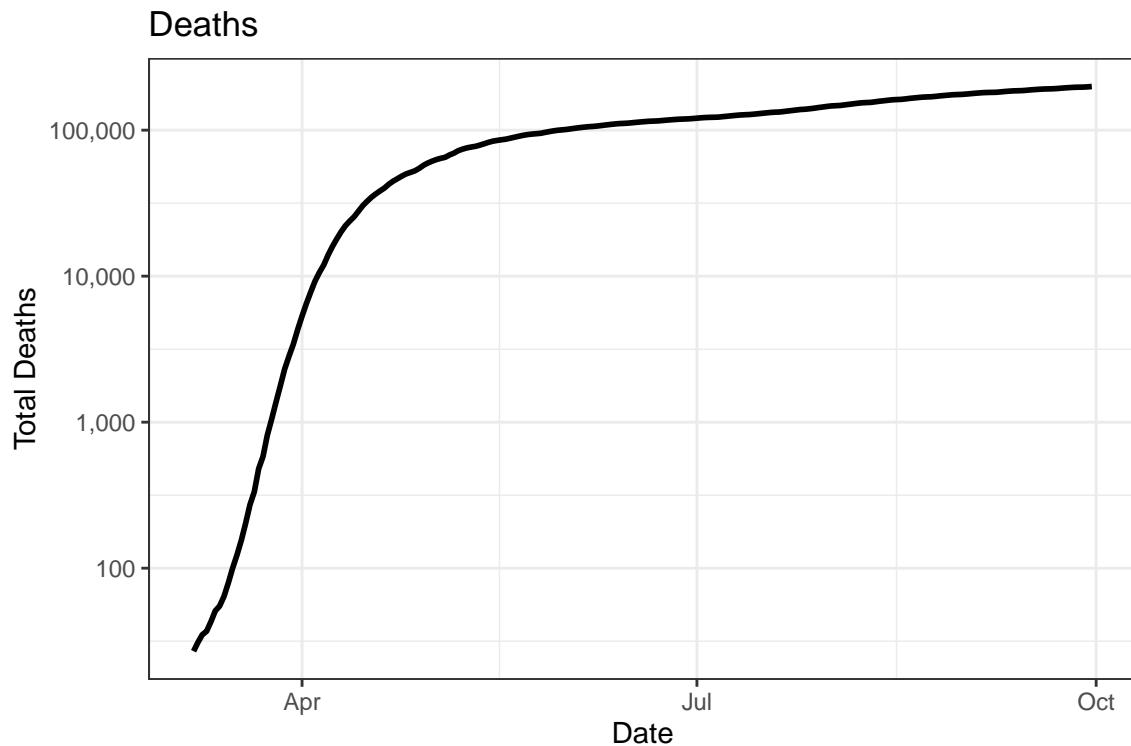
There have been 7,198,589 confirmed Covid-19 cases and 198,929 deaths in the United States.

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

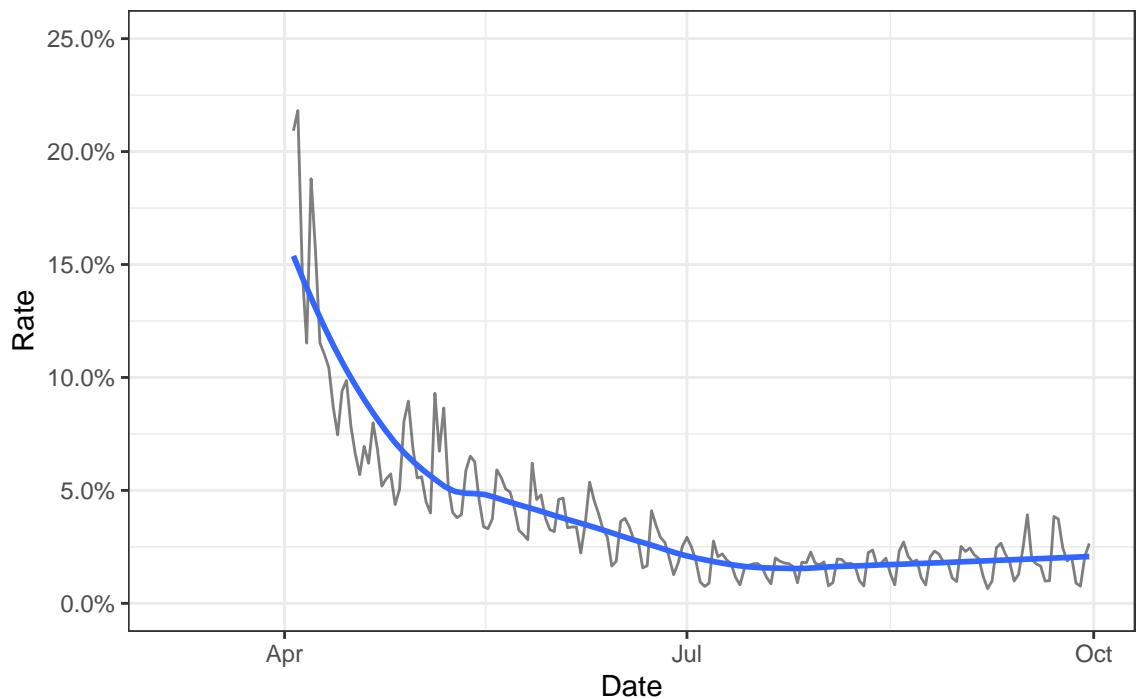
Date	Cases	Deaths	New Cases	New Deaths
2020-09-30	7,198,589	198,929	44,391	1,061
2020-09-29	7,154,198	197,868	36,947	739
2020-09-28	7,117,251	197,129	36,524	257
2020-09-27	7,080,727	196,872	35,454	307
2020-09-26	7,045,273	196,565	47,836	869
2020-09-25	6,997,437	195,696	55,526	844
2020-09-24	6,941,911	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

Deaths

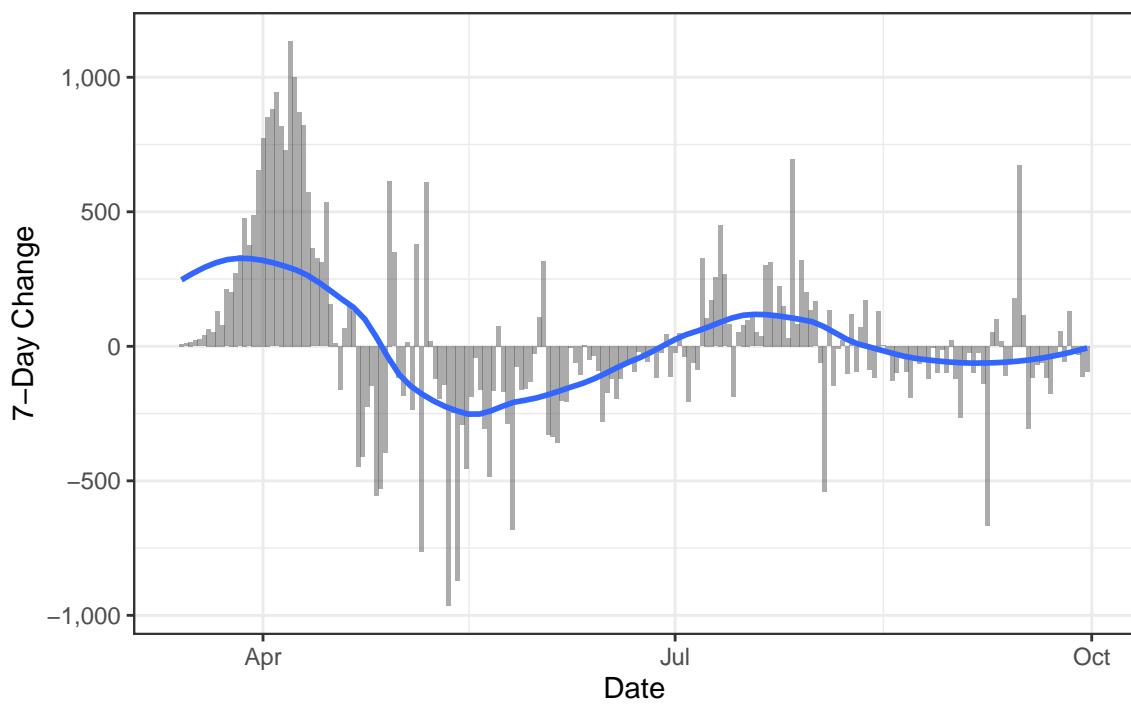
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

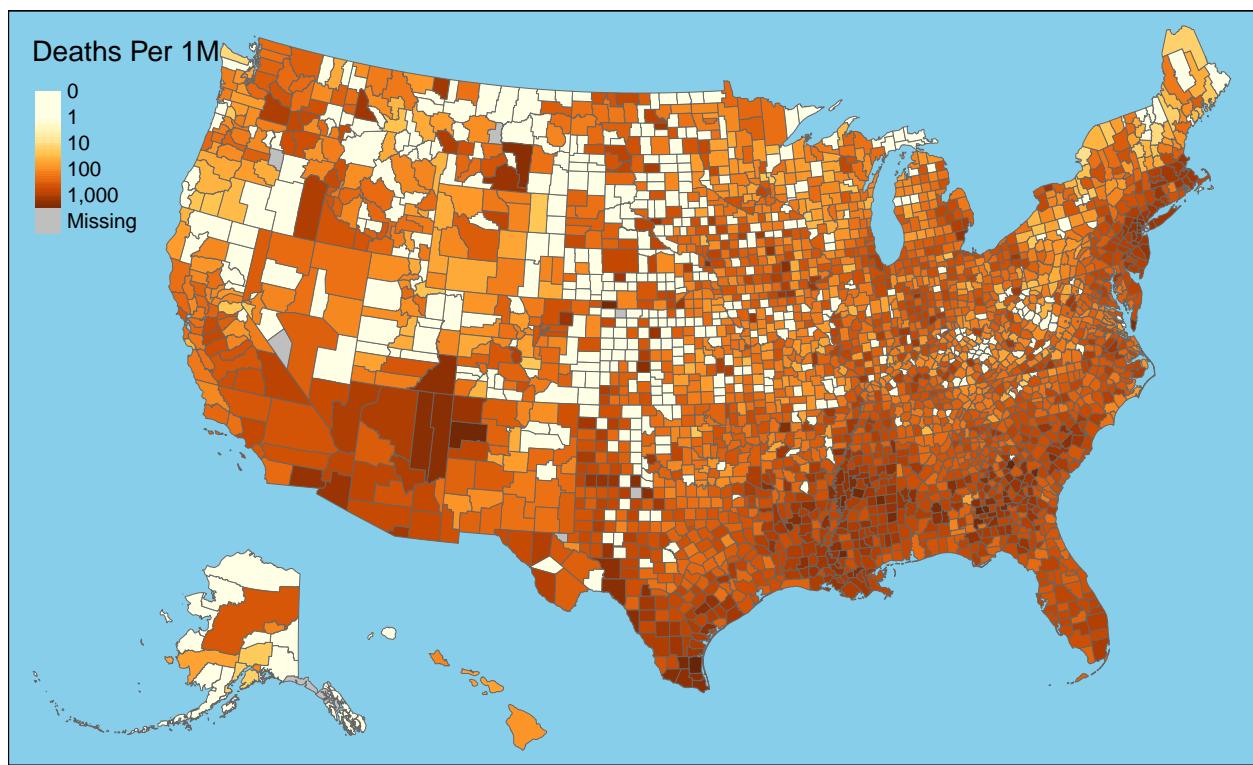


Daily Case Mortality Rate



One-Week Change in Daily Deaths

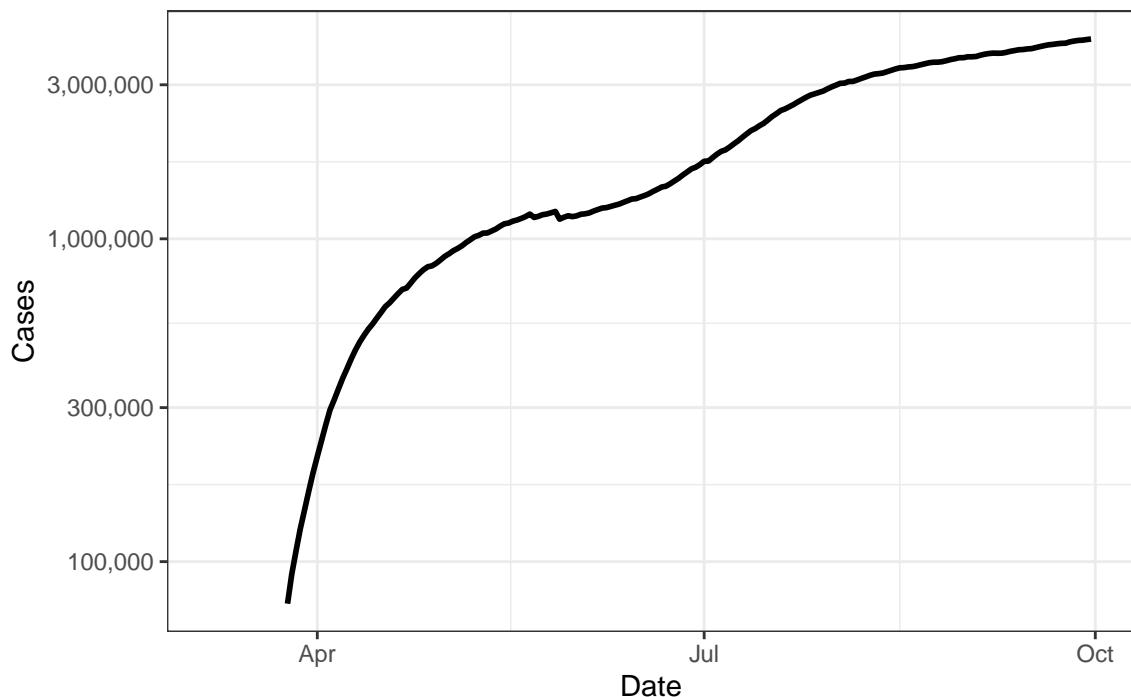




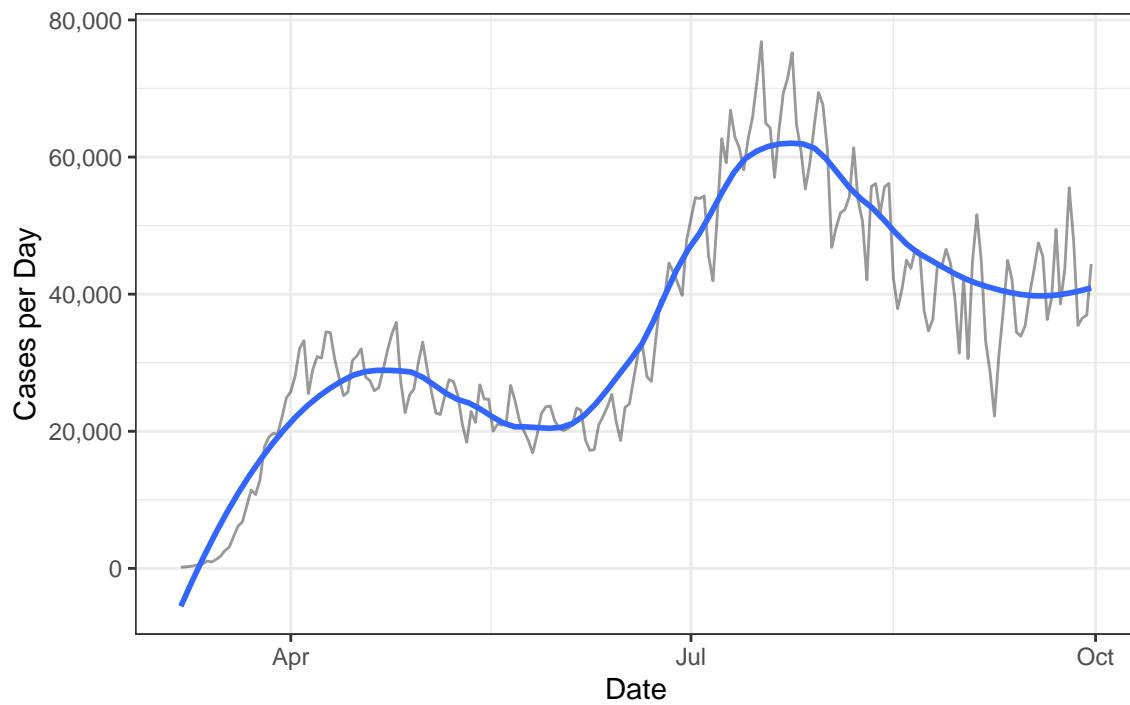
Cases

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

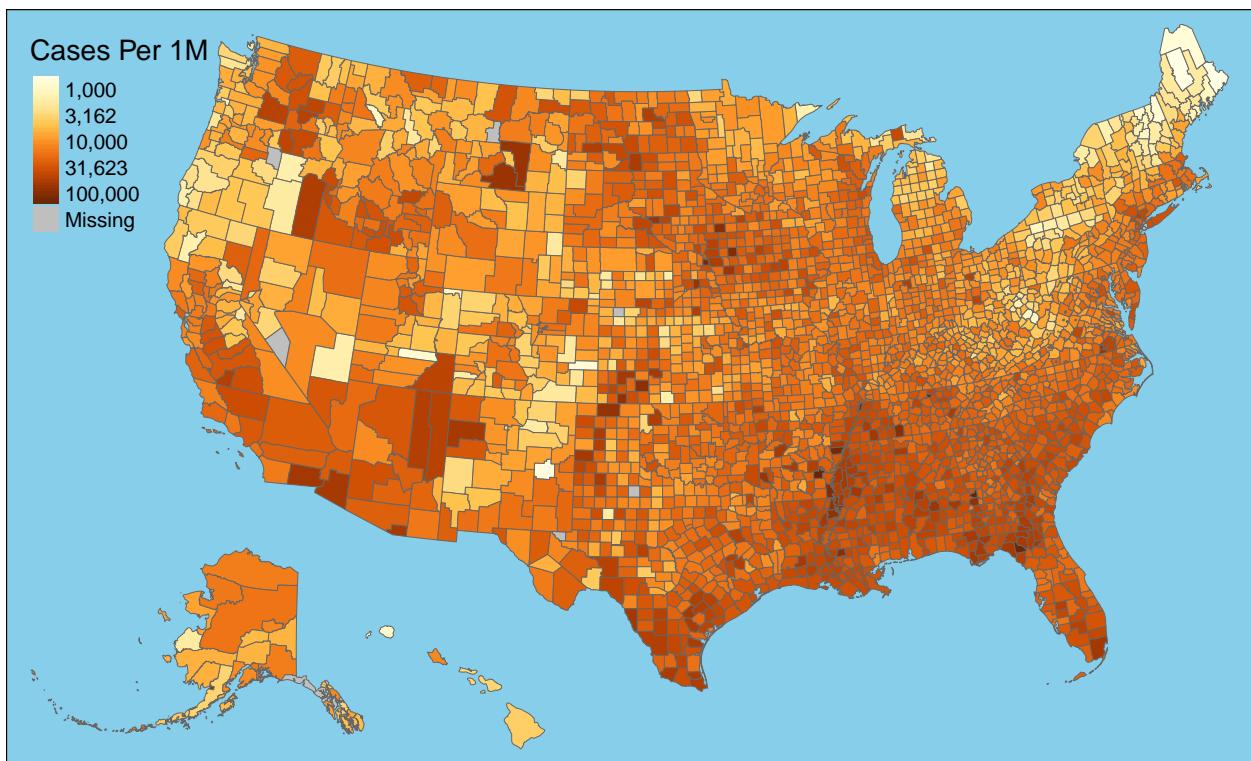
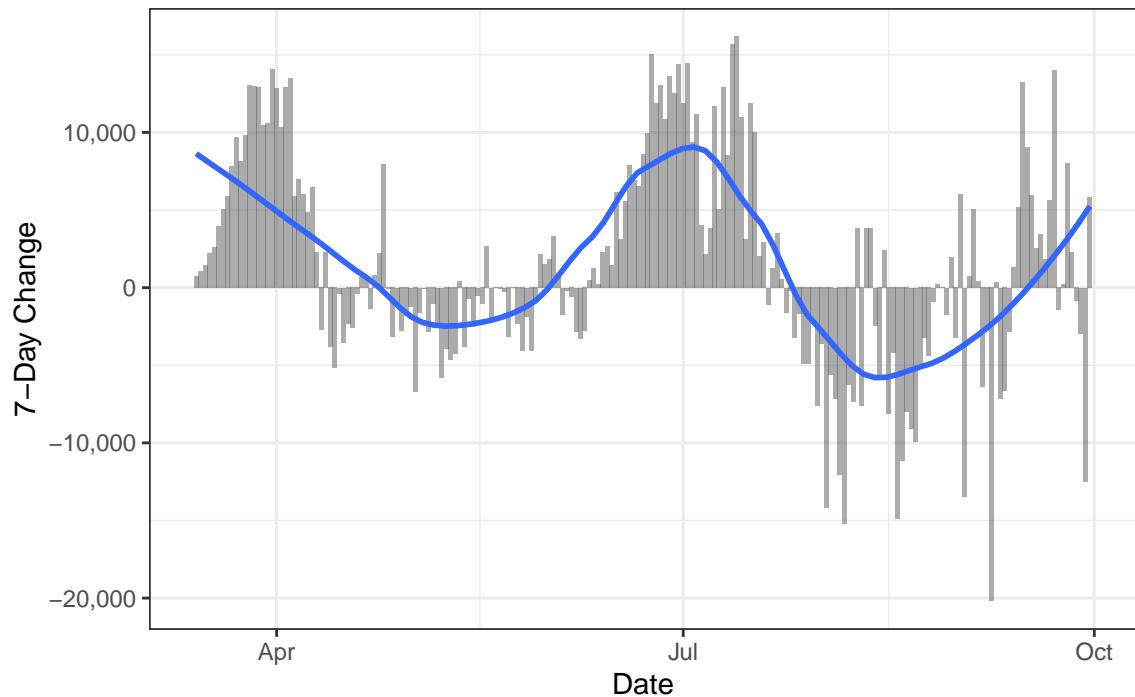
Active Cases



New Cases

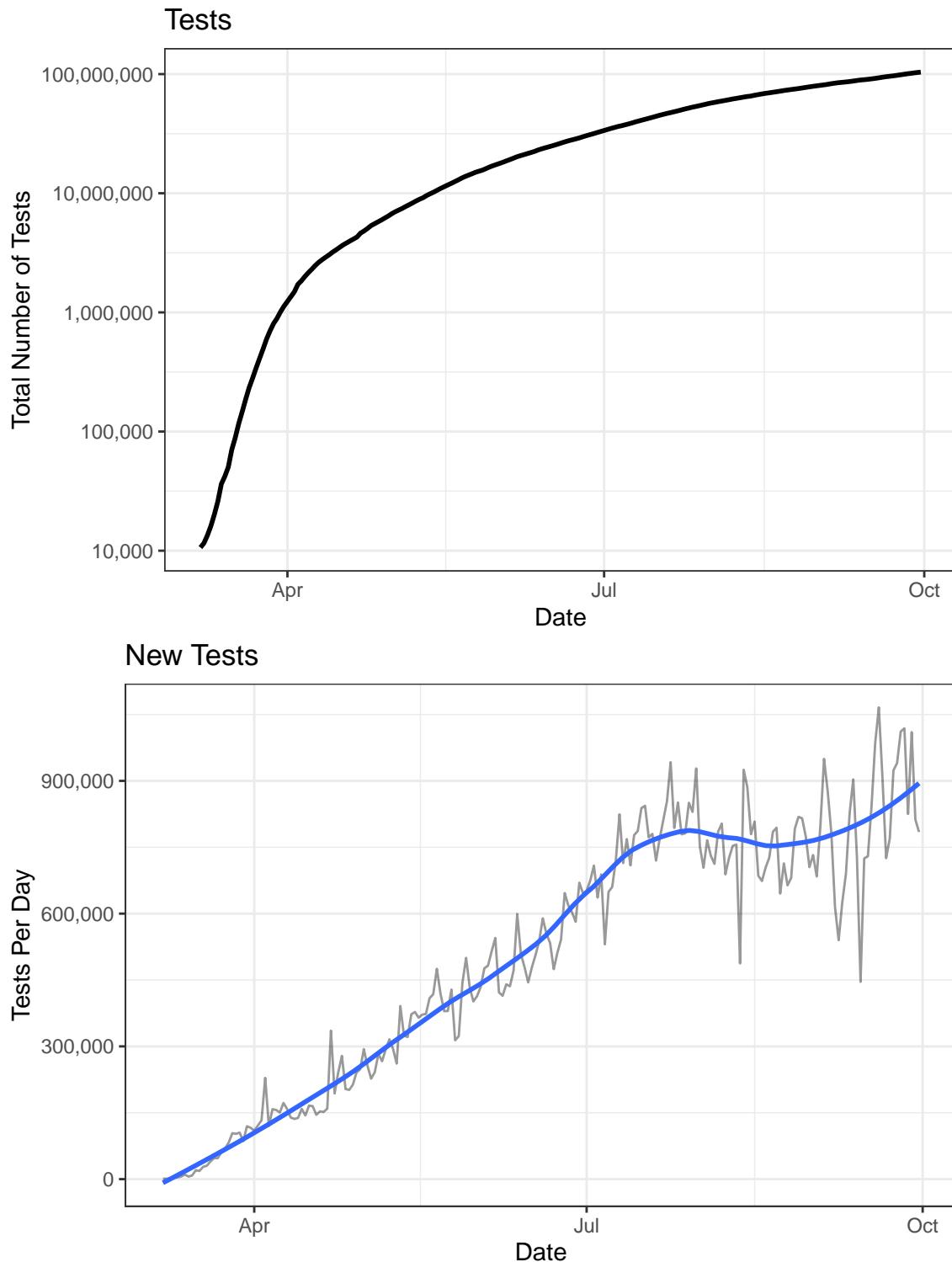


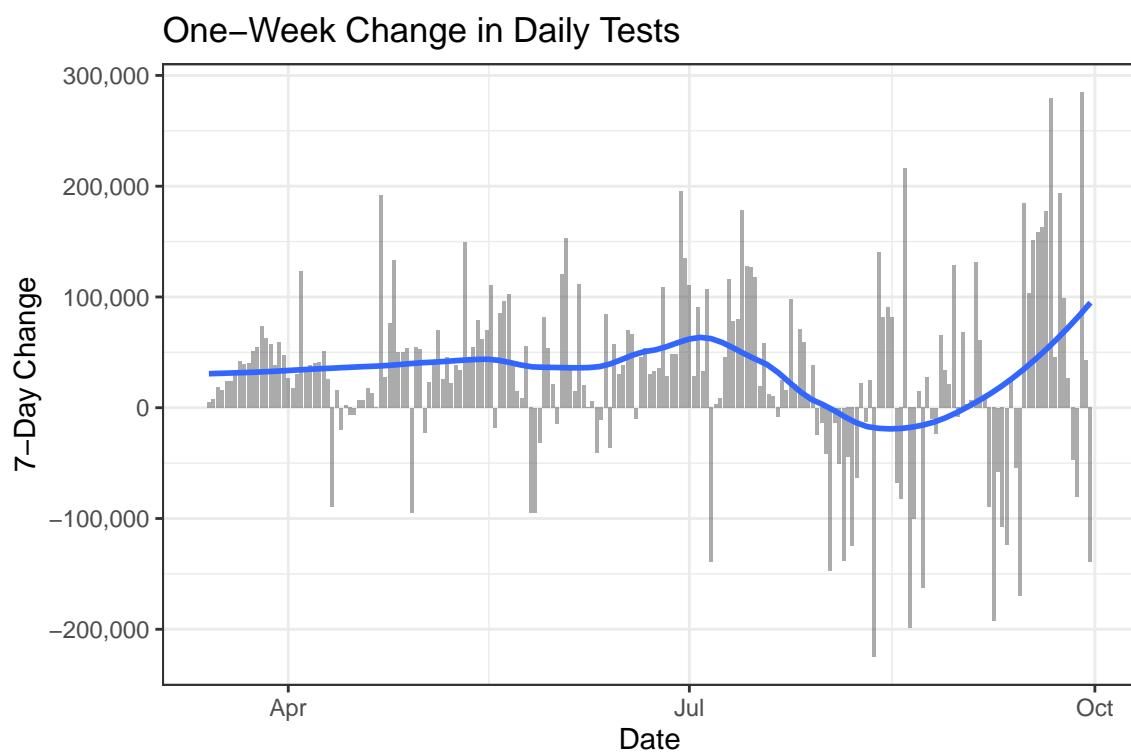
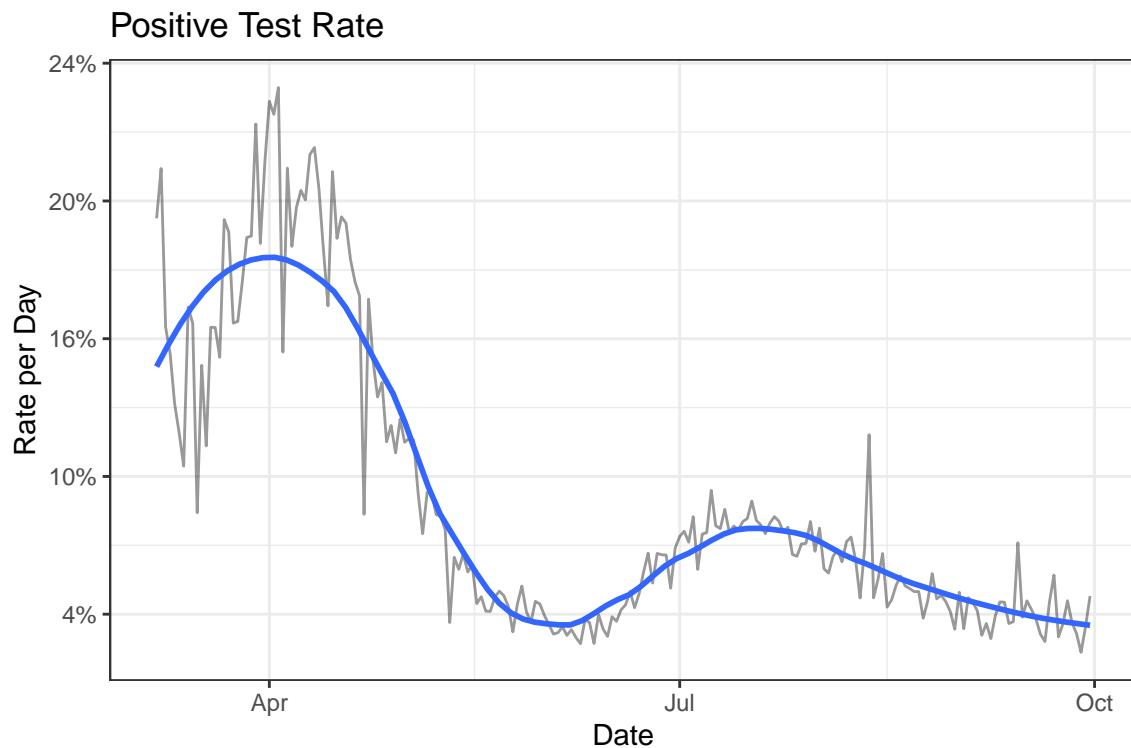
One-Week Change in Daily Cases



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.



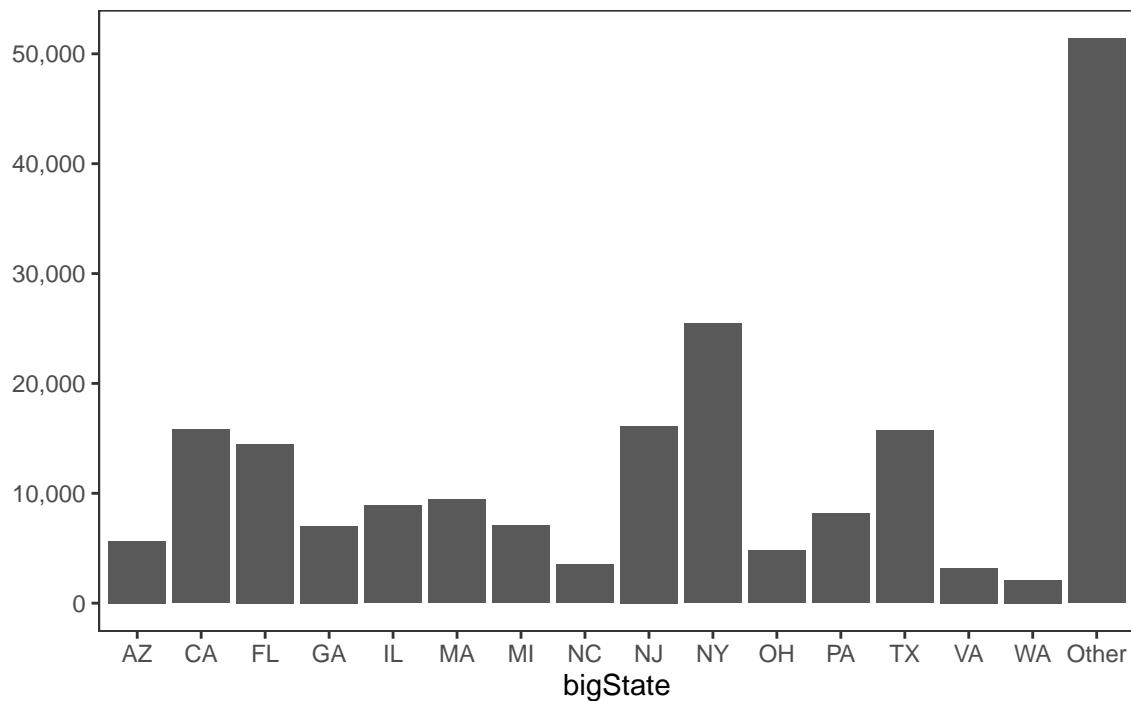


State Data

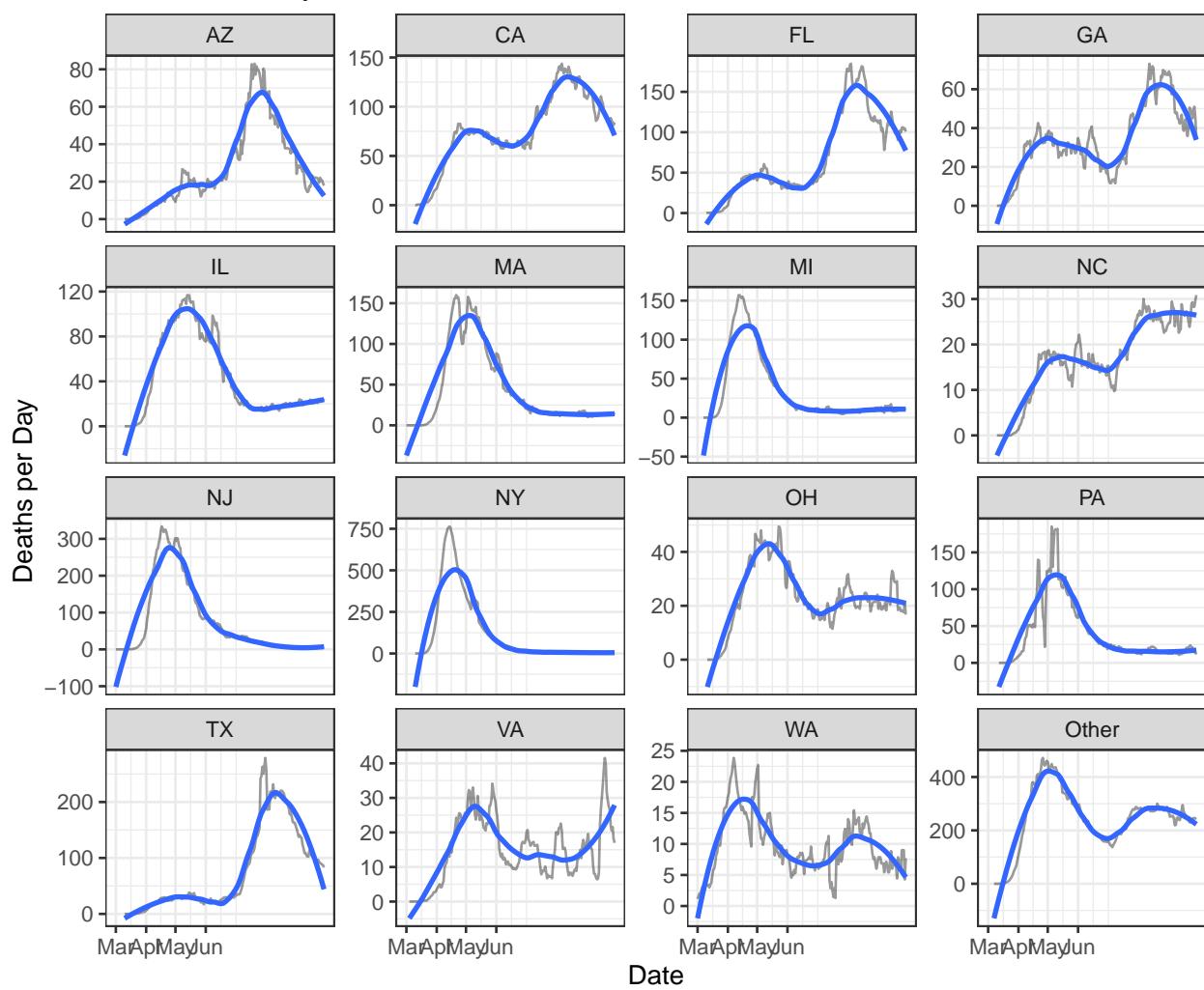
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

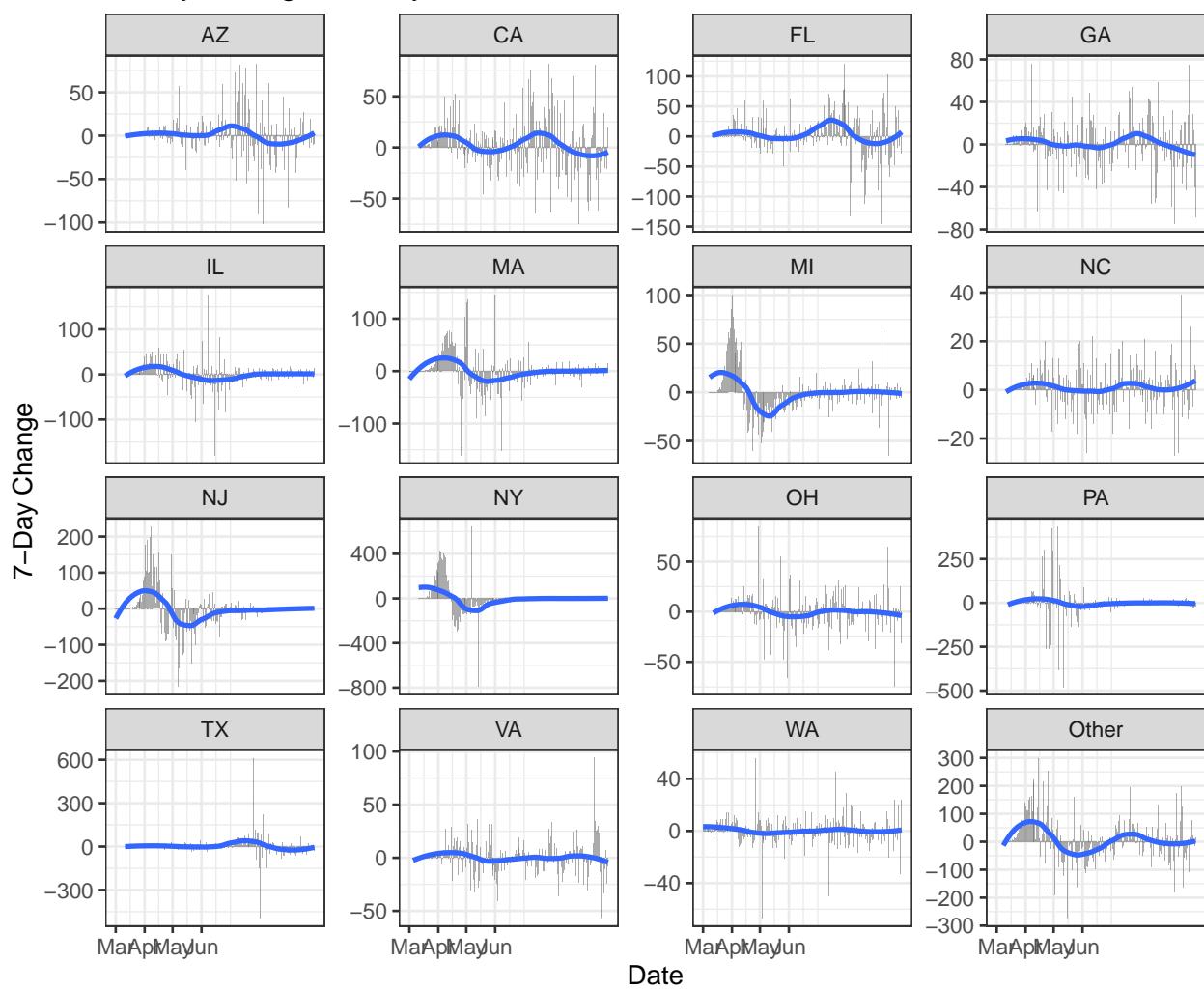
Deaths by State

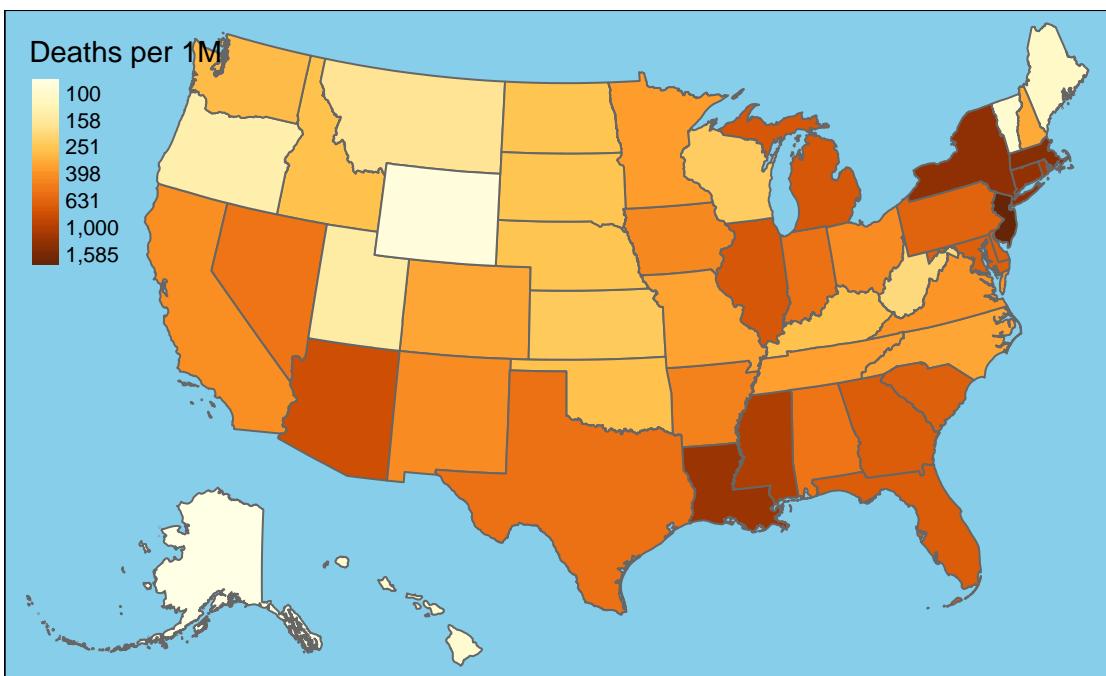
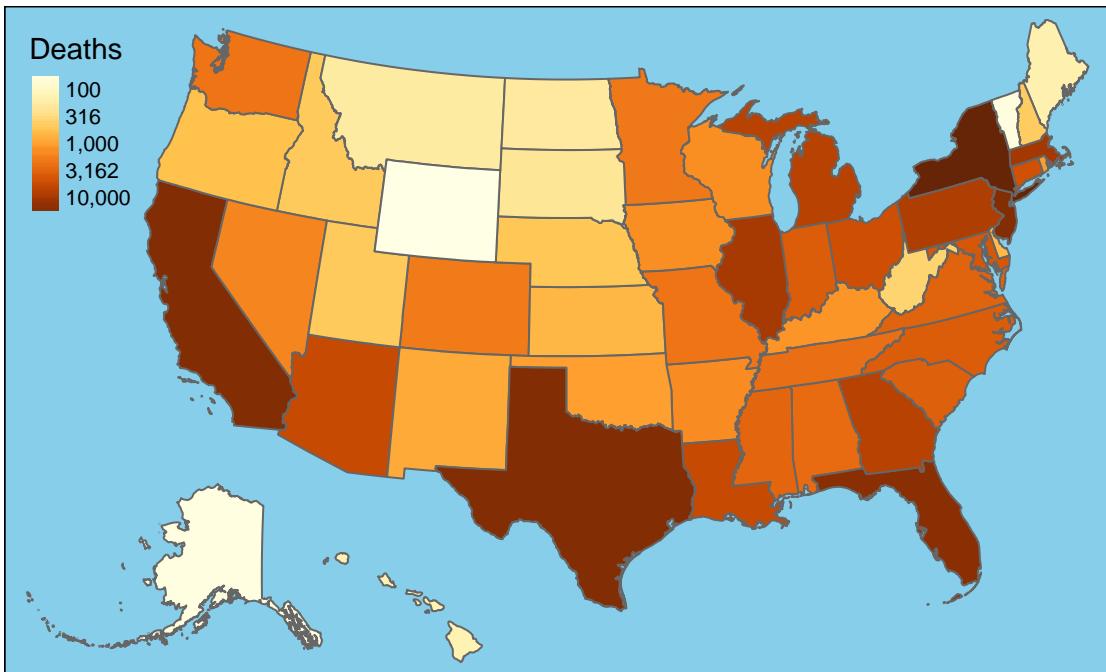


New Deaths by State



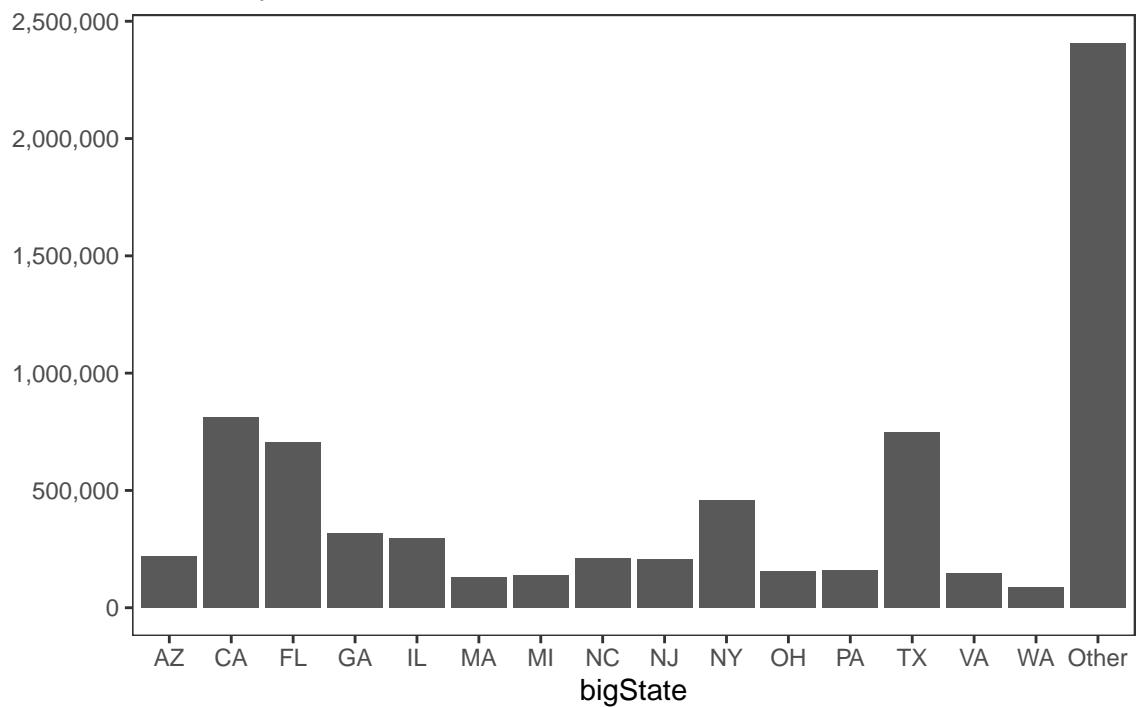
7-Day Change in Daily Deaths



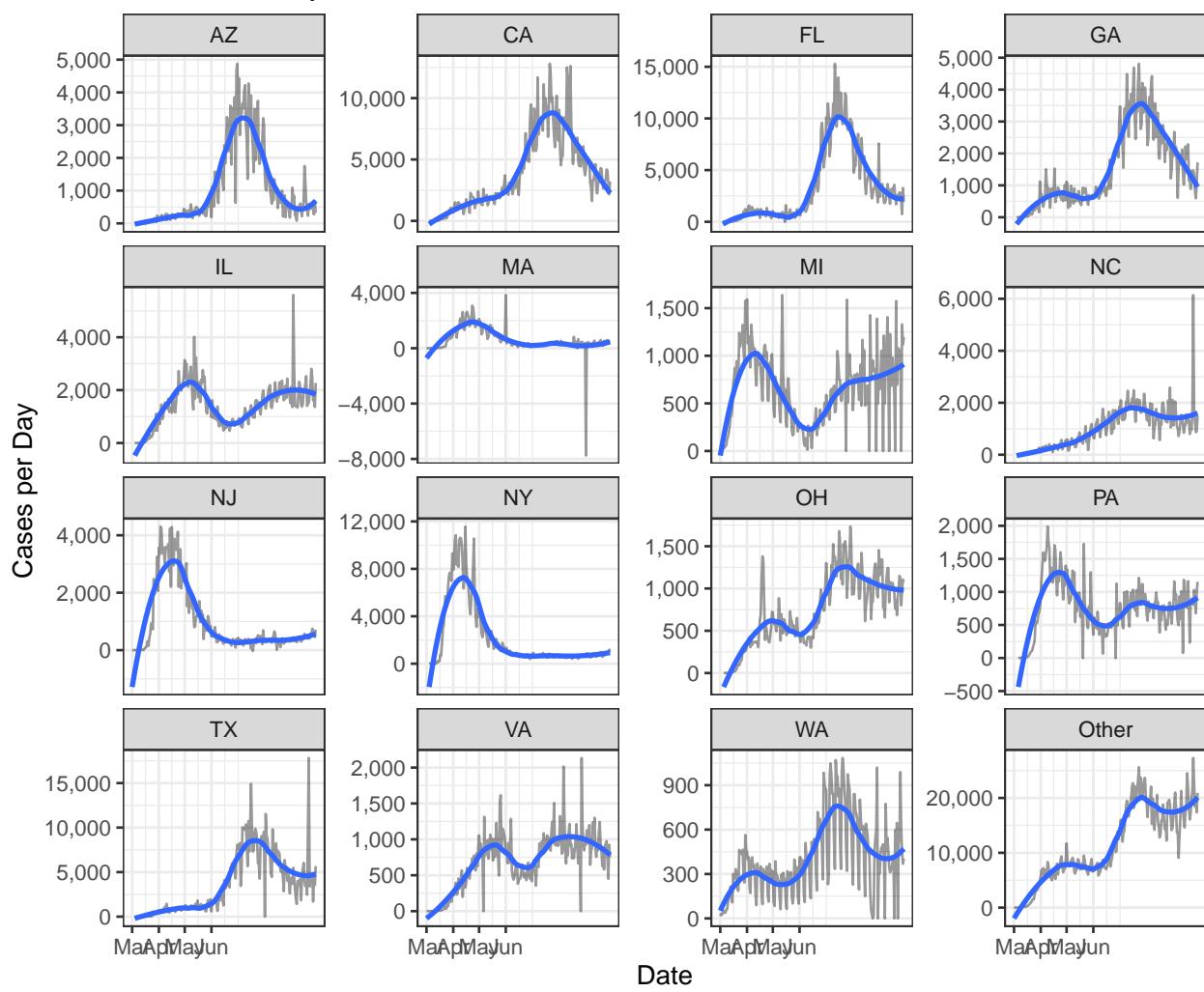


Cases

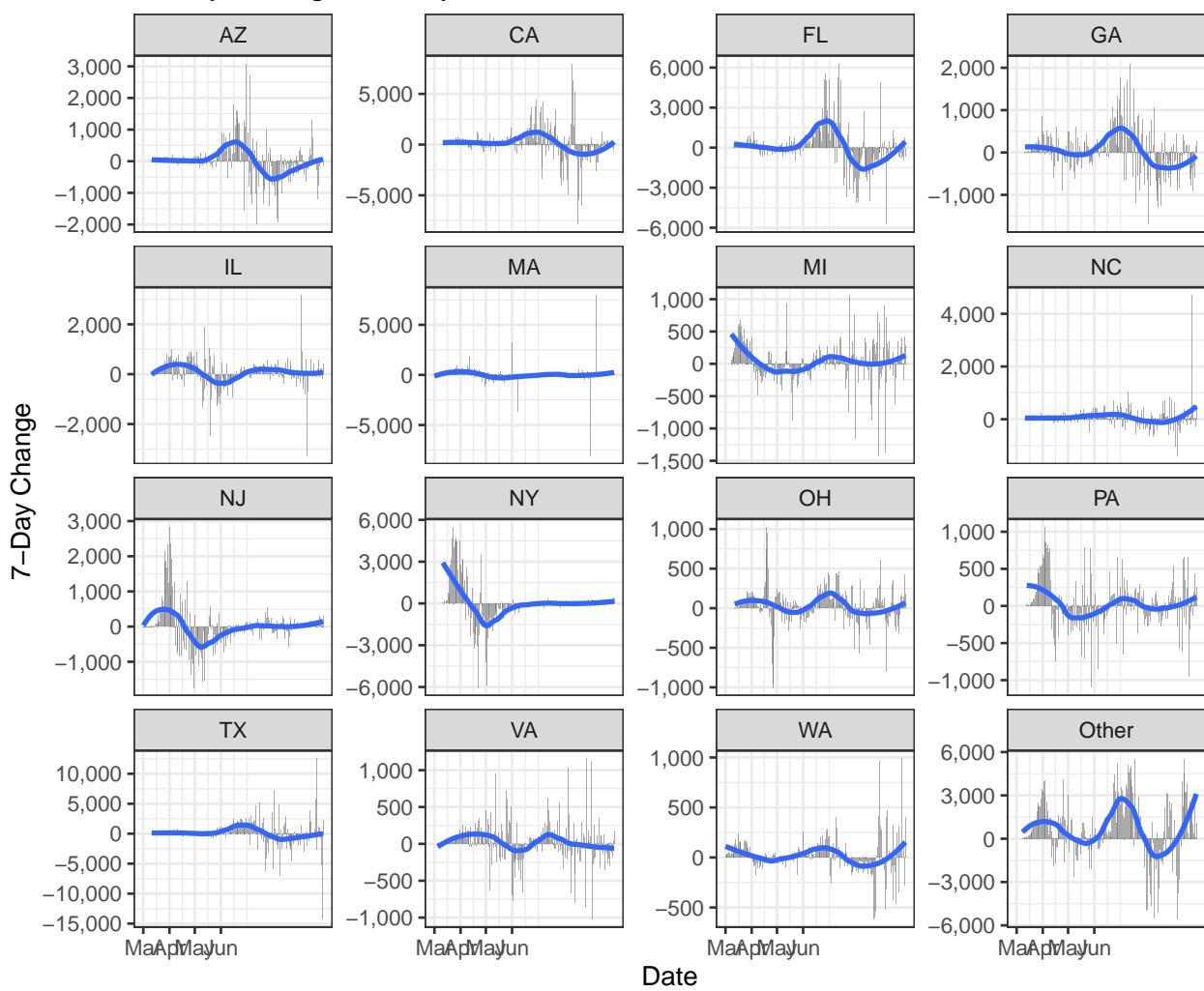
Cases by State

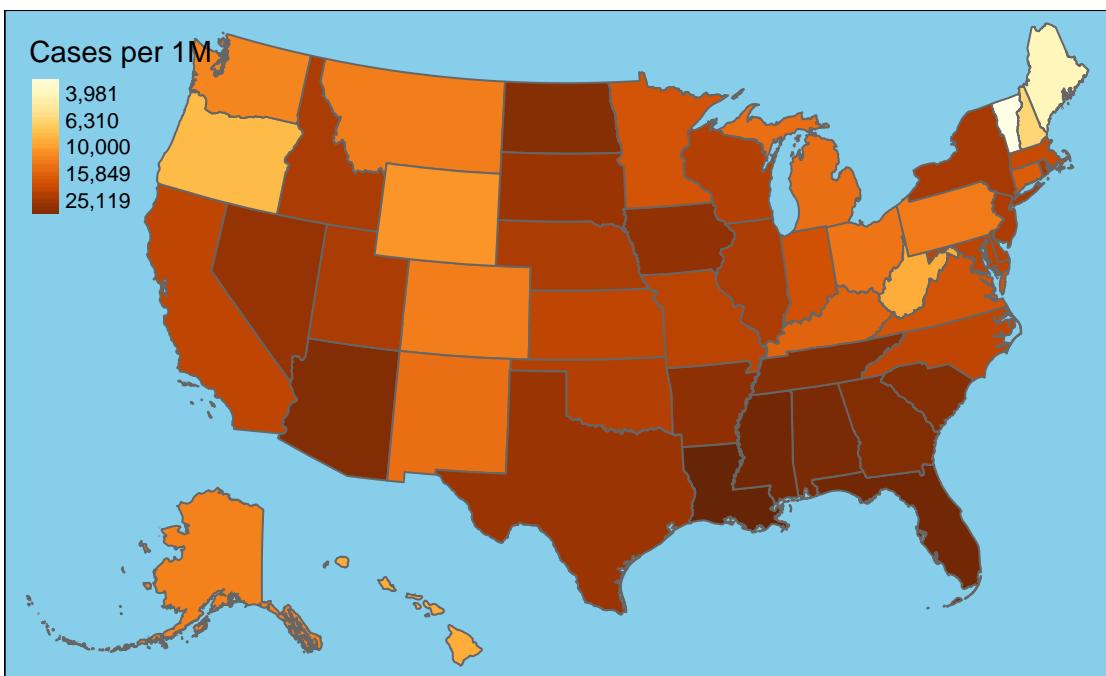
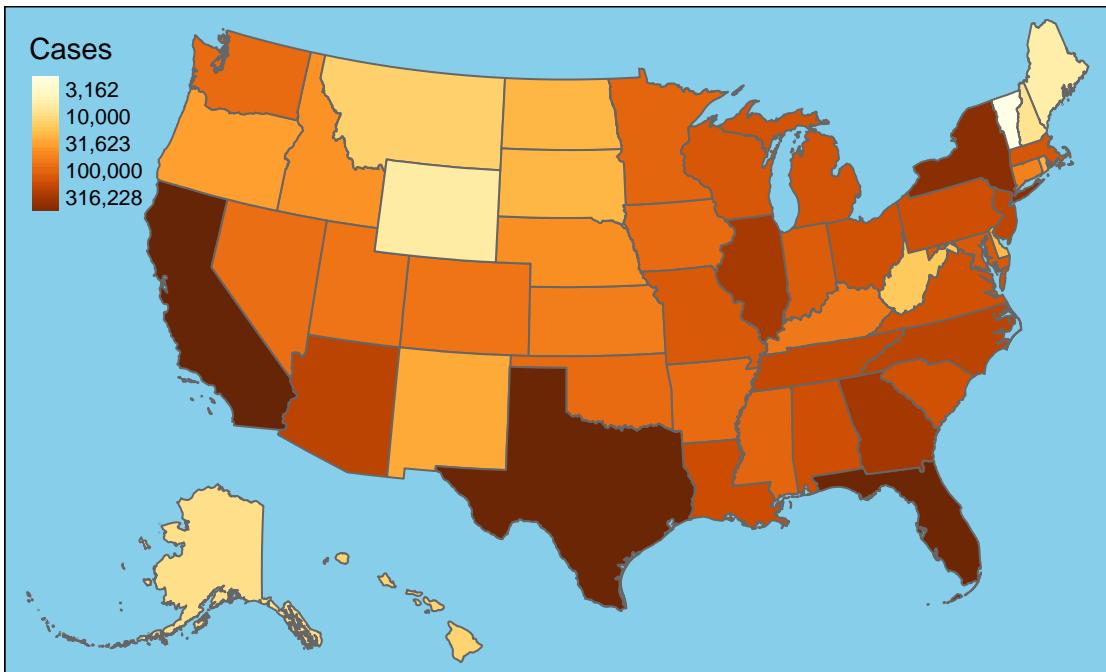


New Cases by State

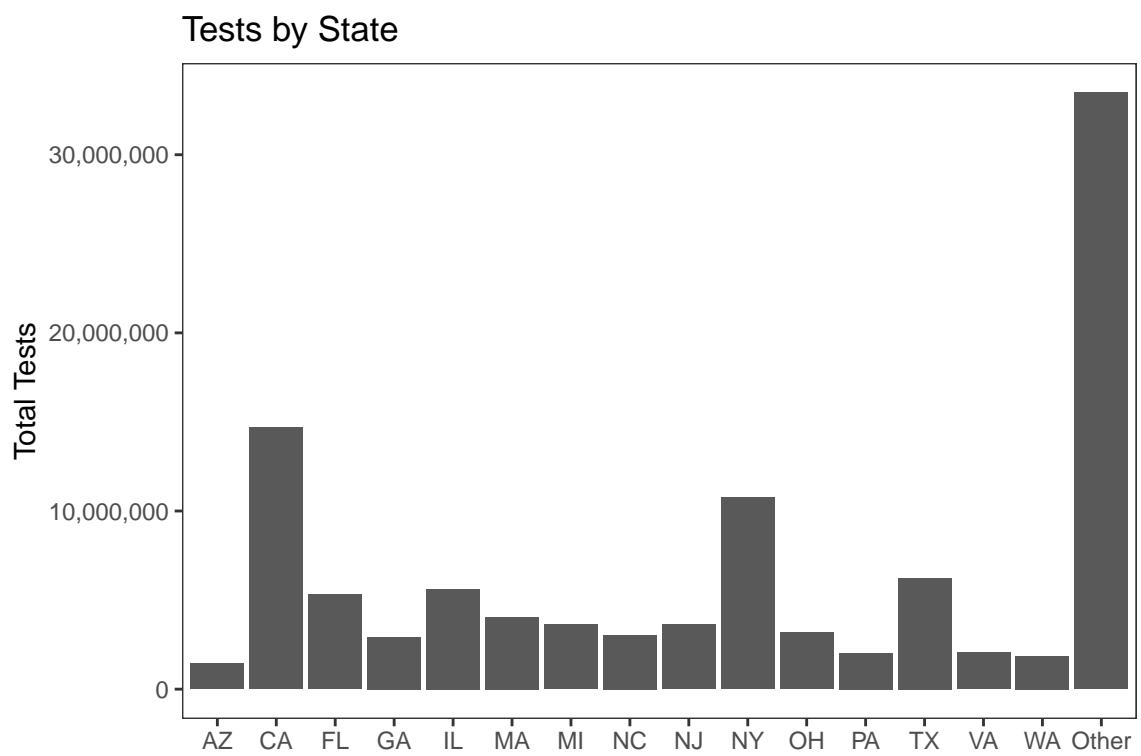


7-Day Change in Daily Cases

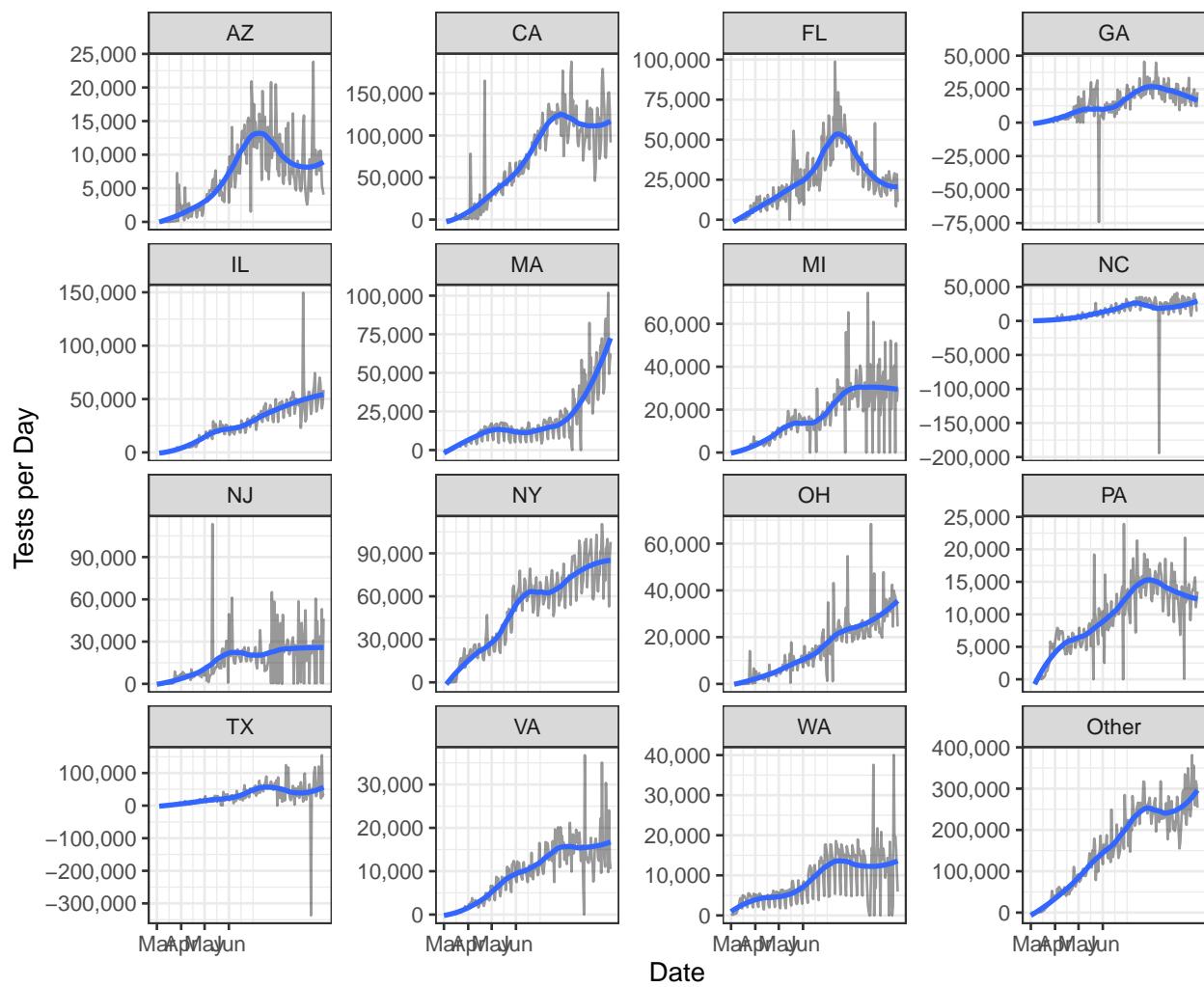


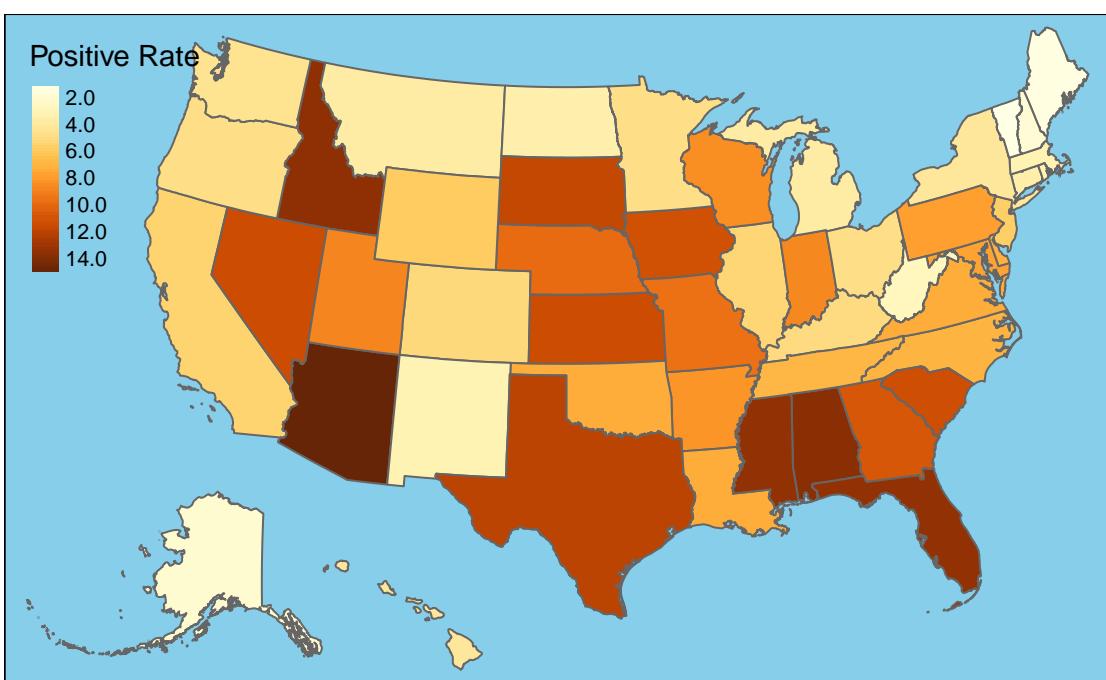
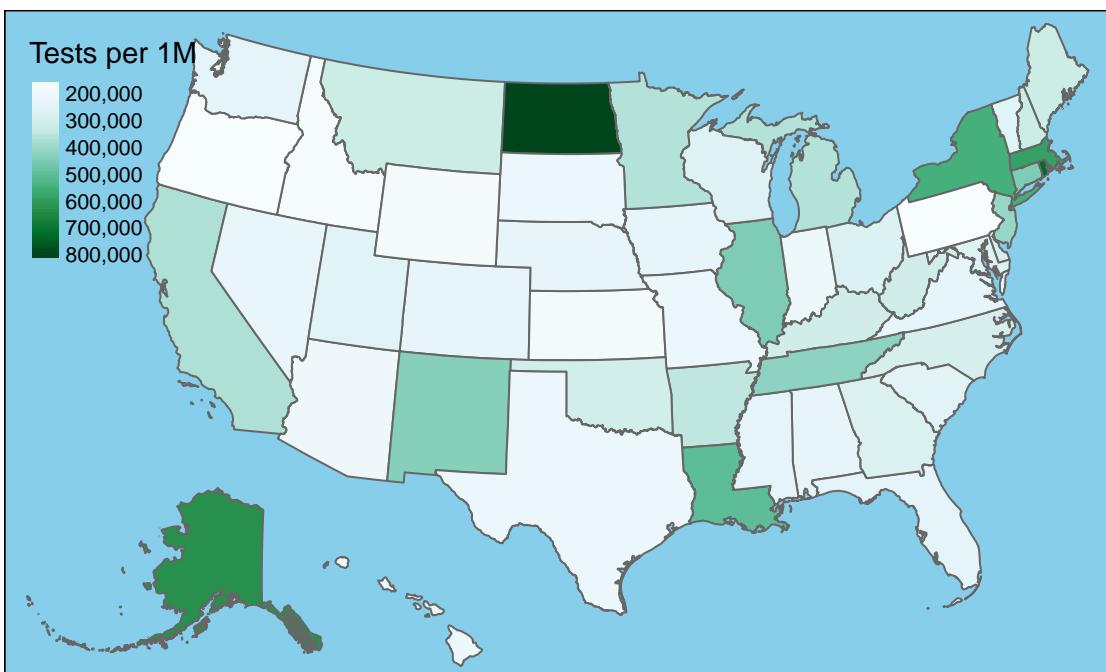


Testing



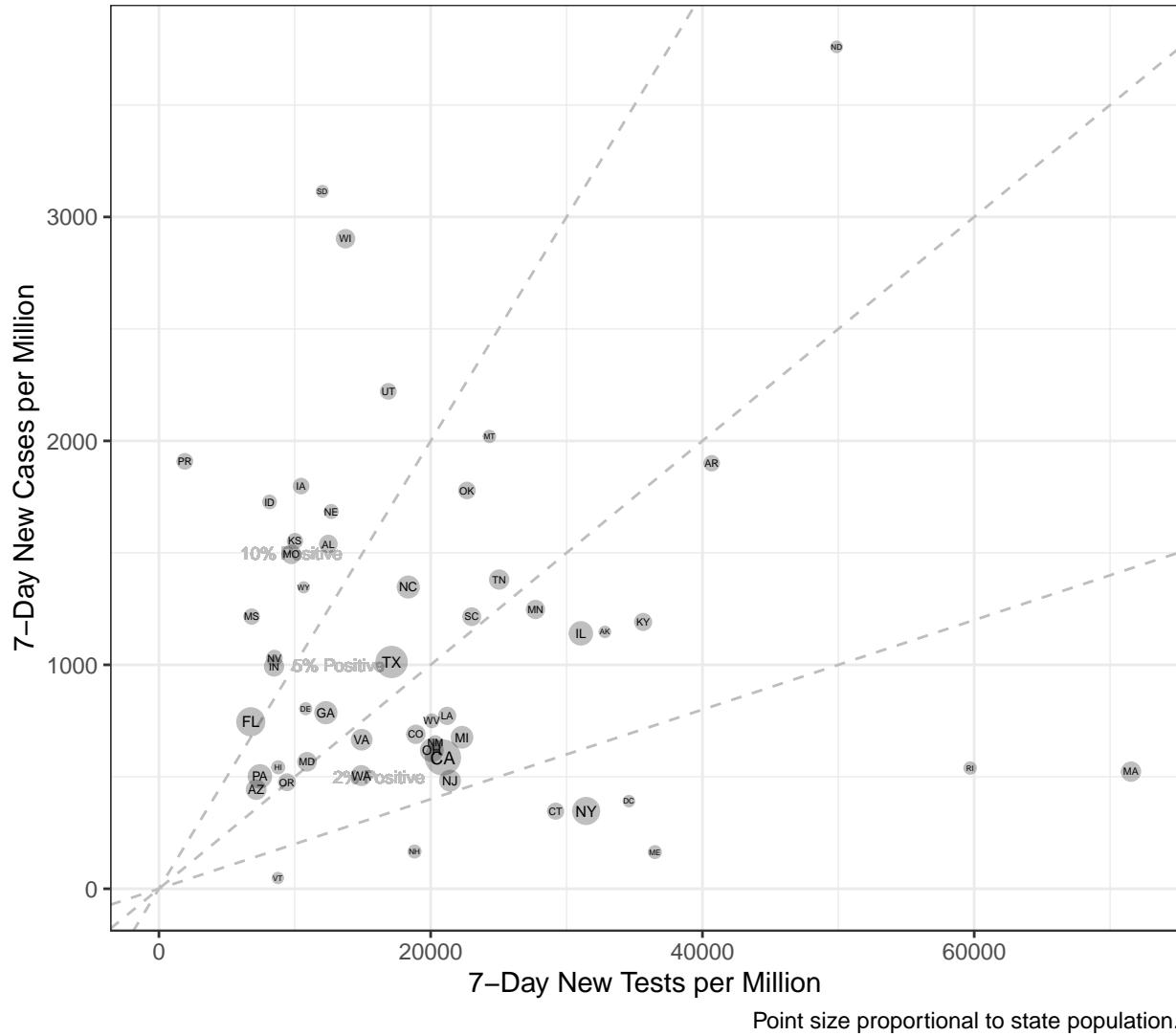
New Tests by State





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



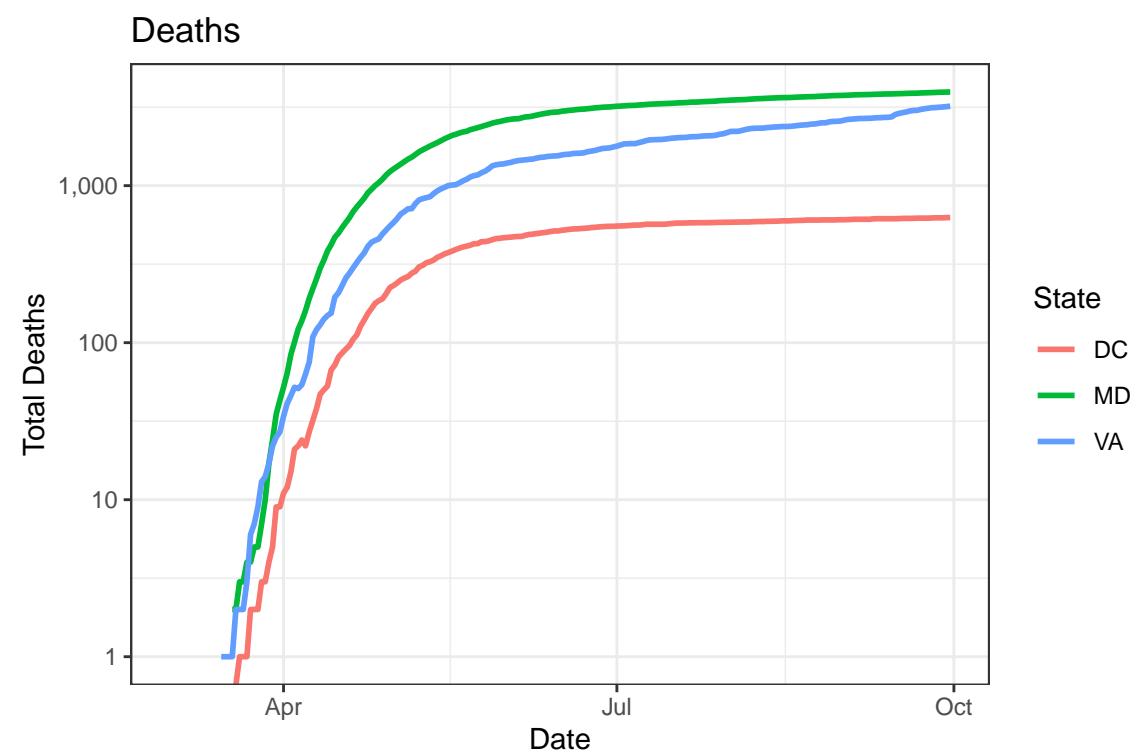
Local Data

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

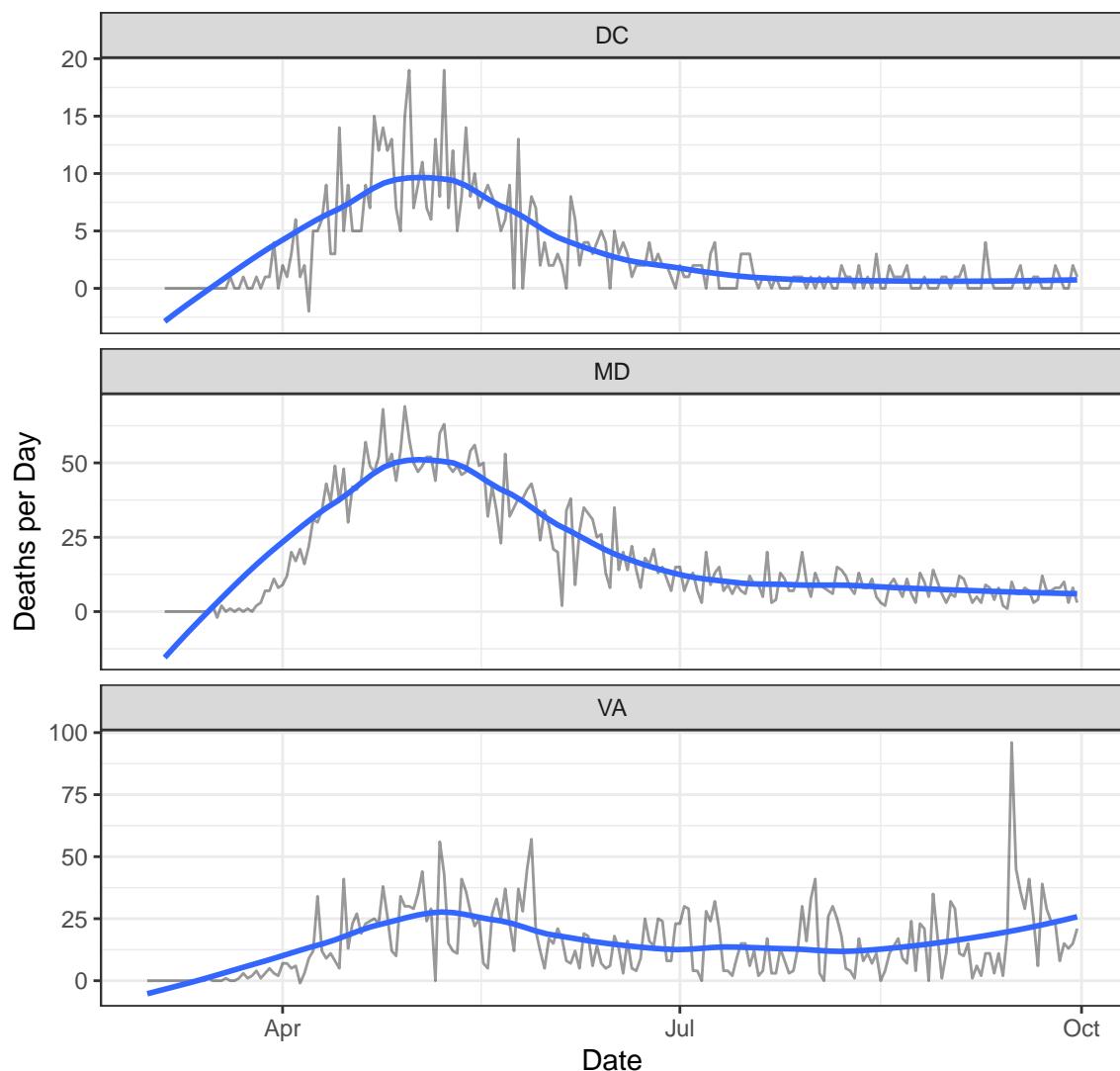
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,326	627	26	1
MD	124,725	3,949	414	3
VA	148,271	3,208	755	21

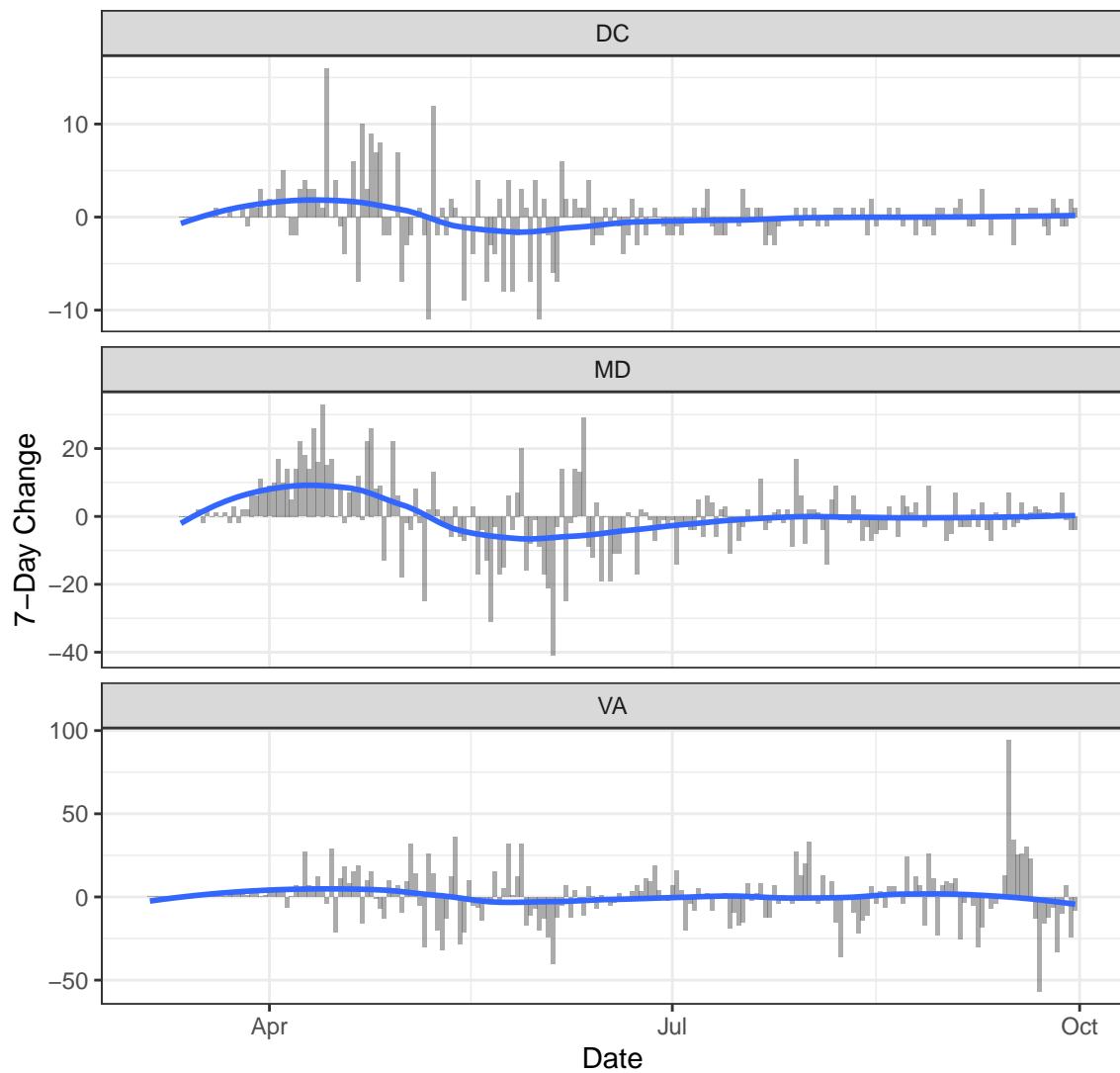
Deaths

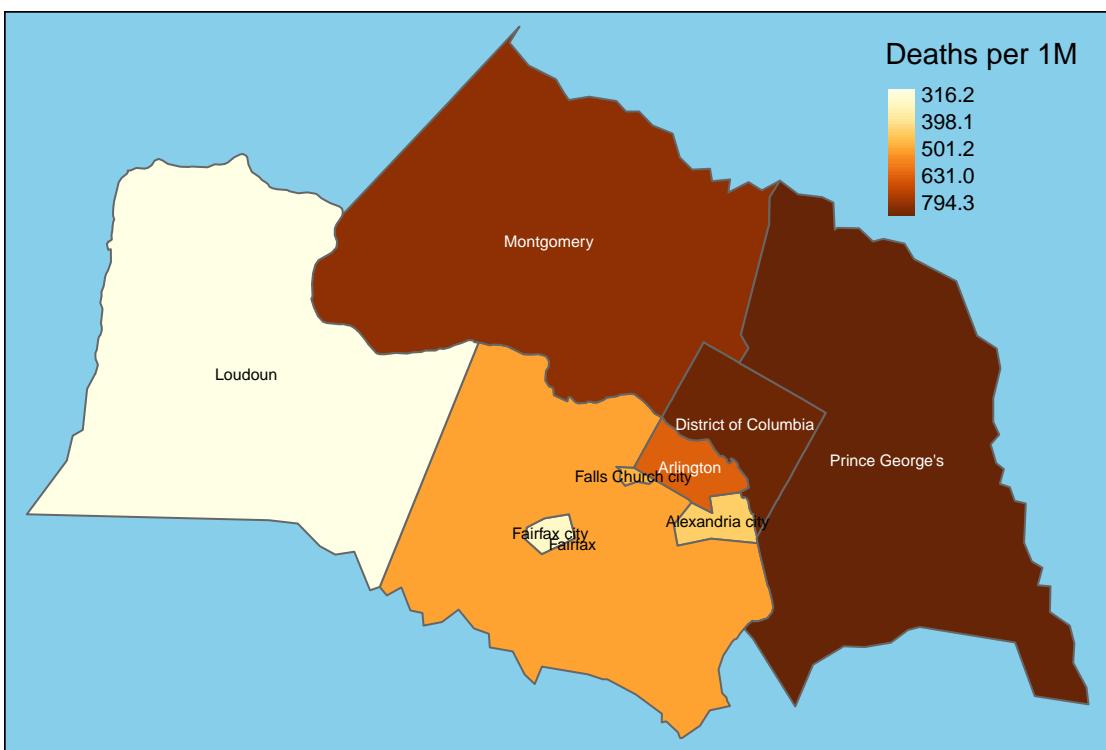
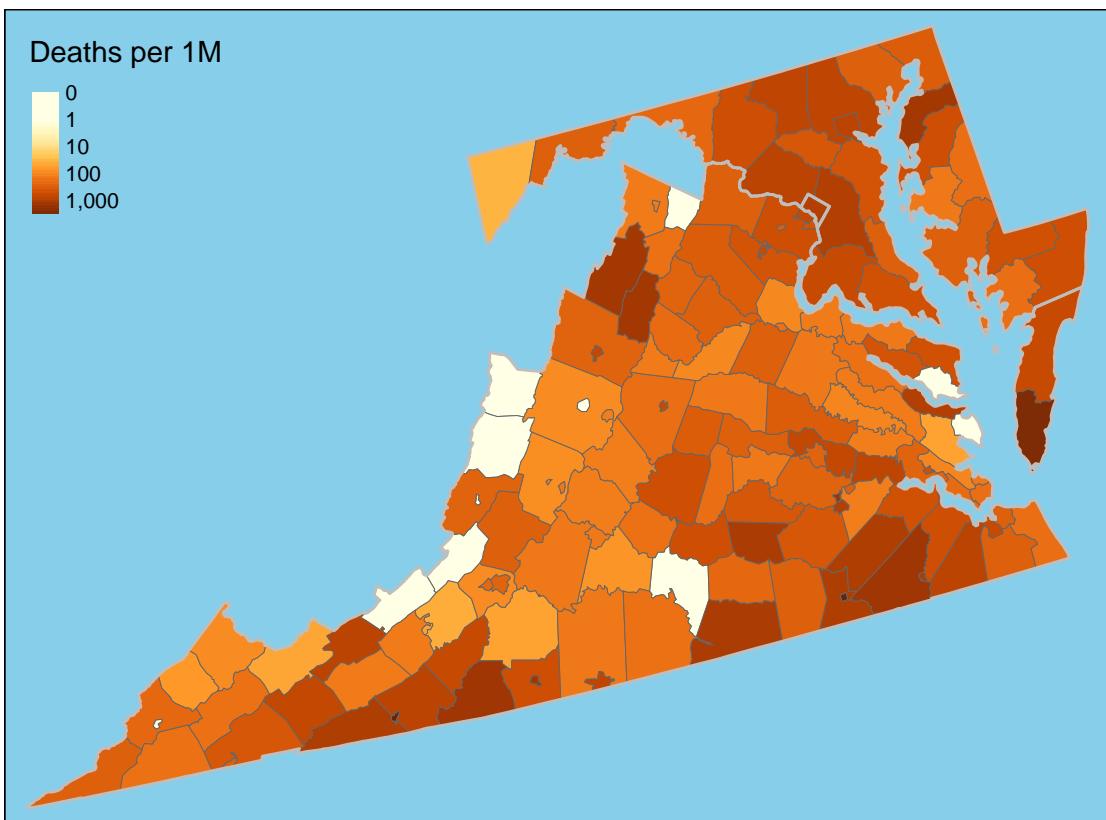


New Deaths

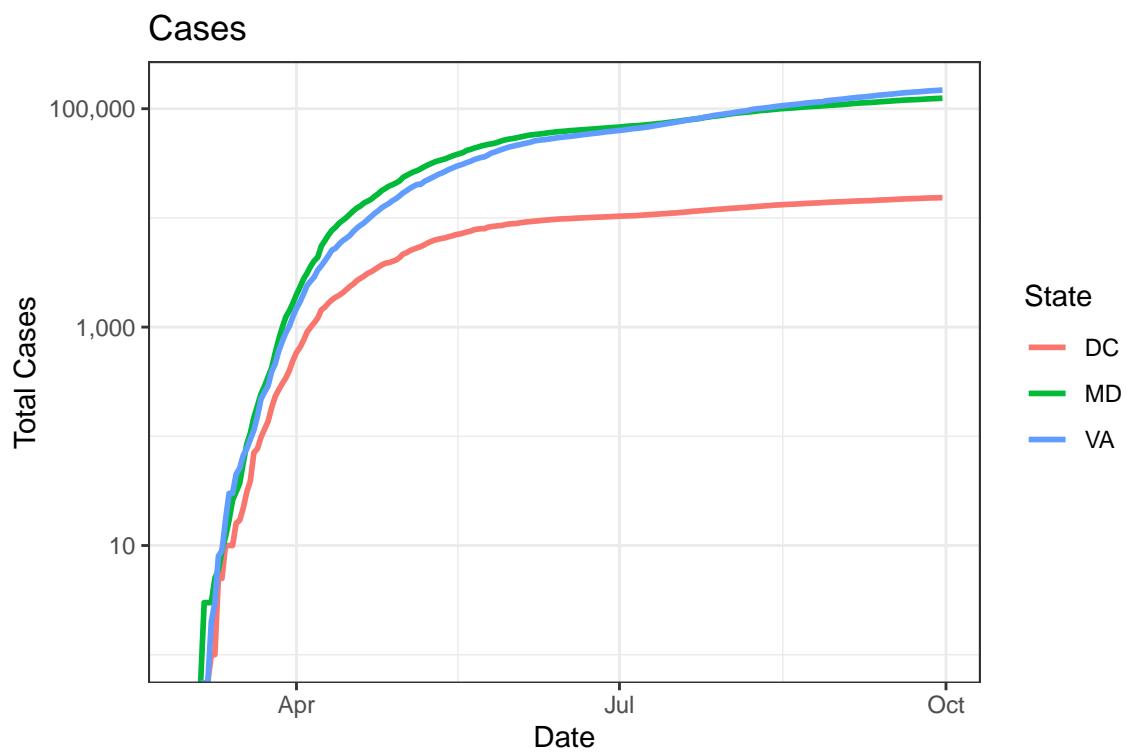


One-Week Change in Daily Deaths

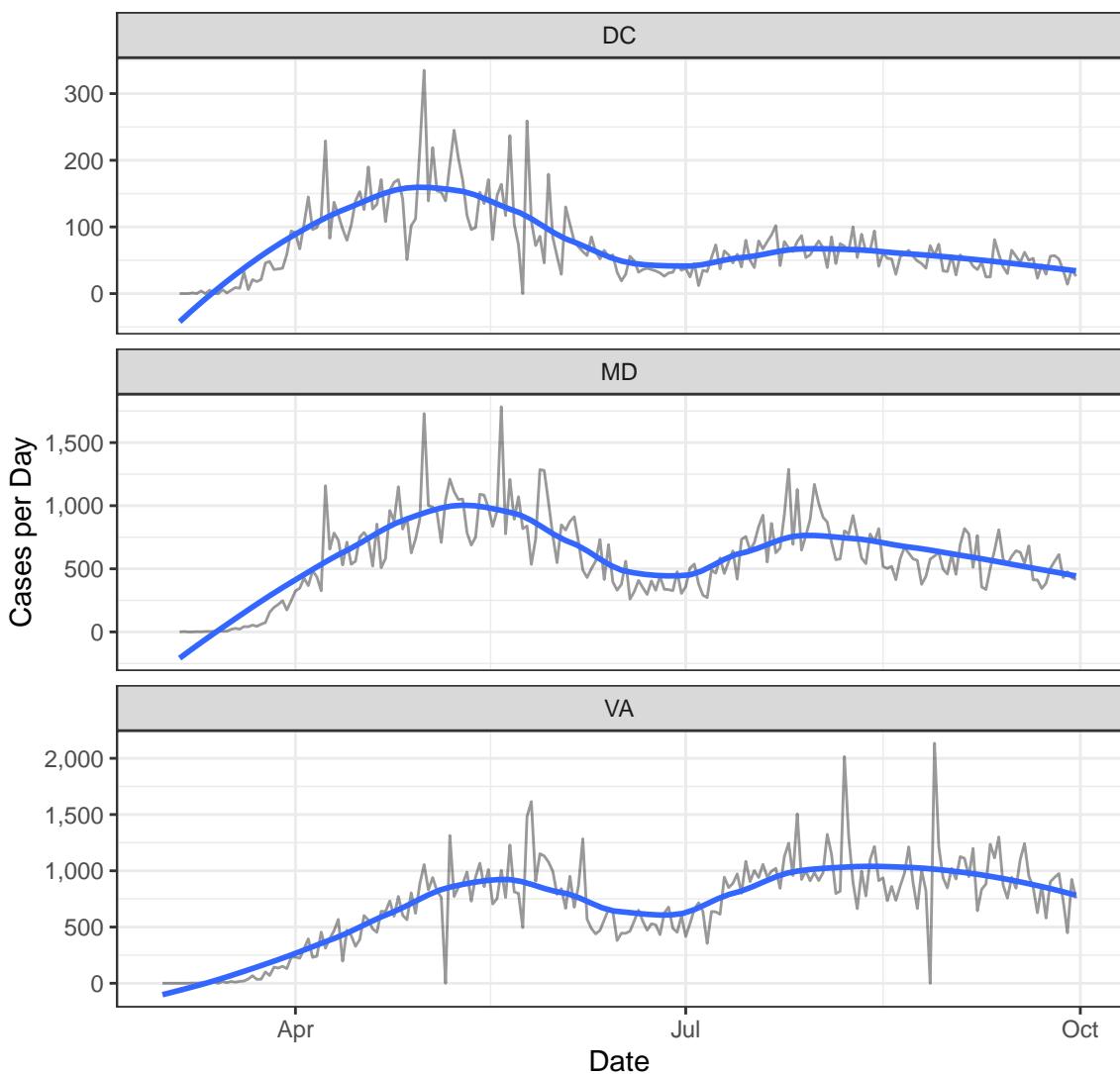




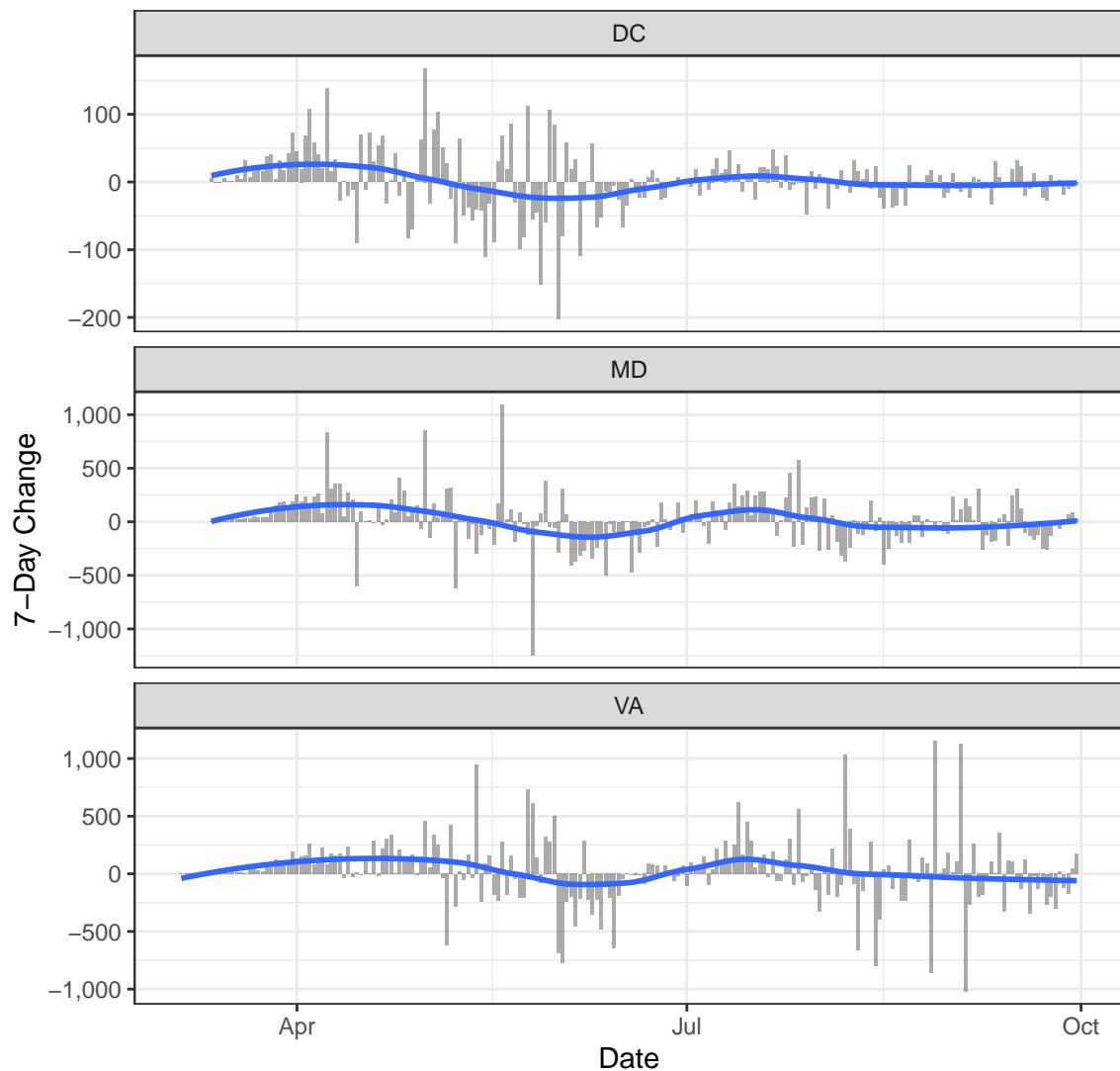
Cases

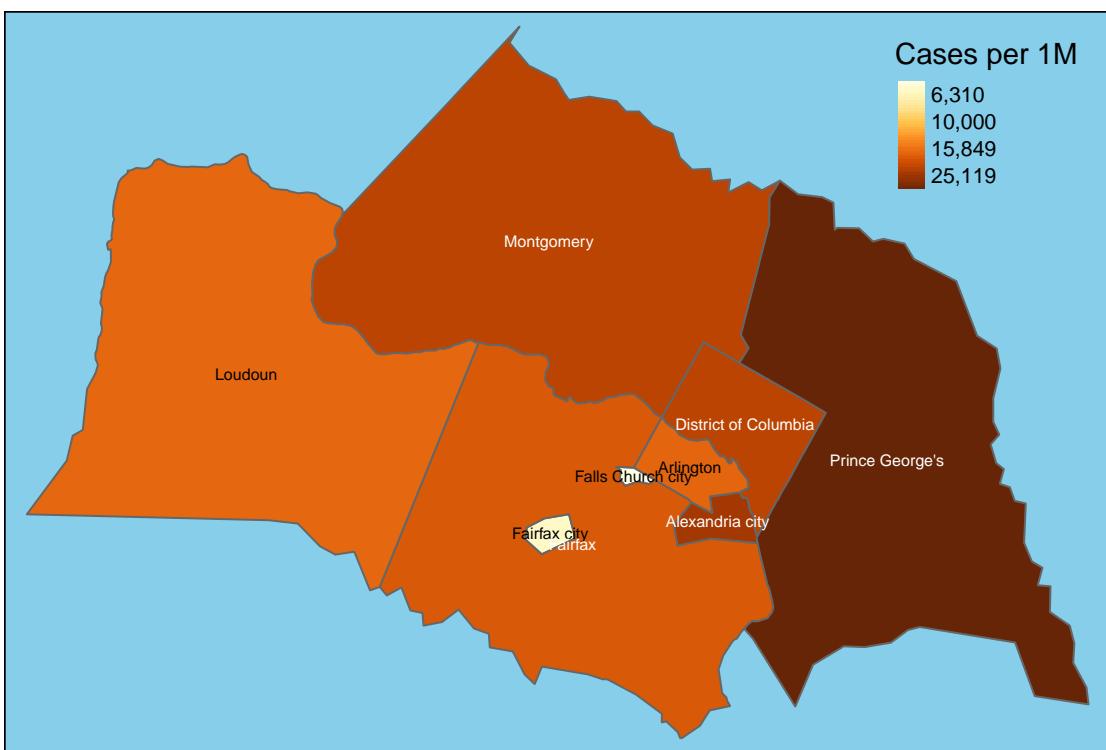
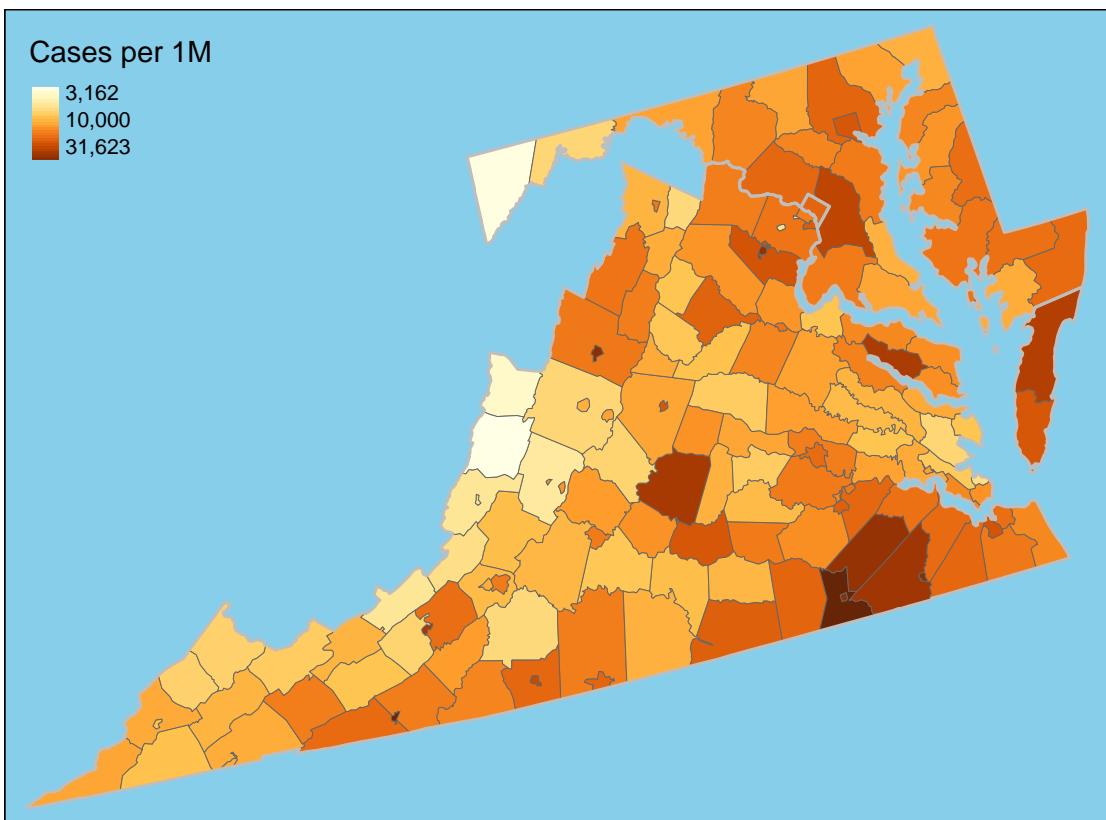


New Cases

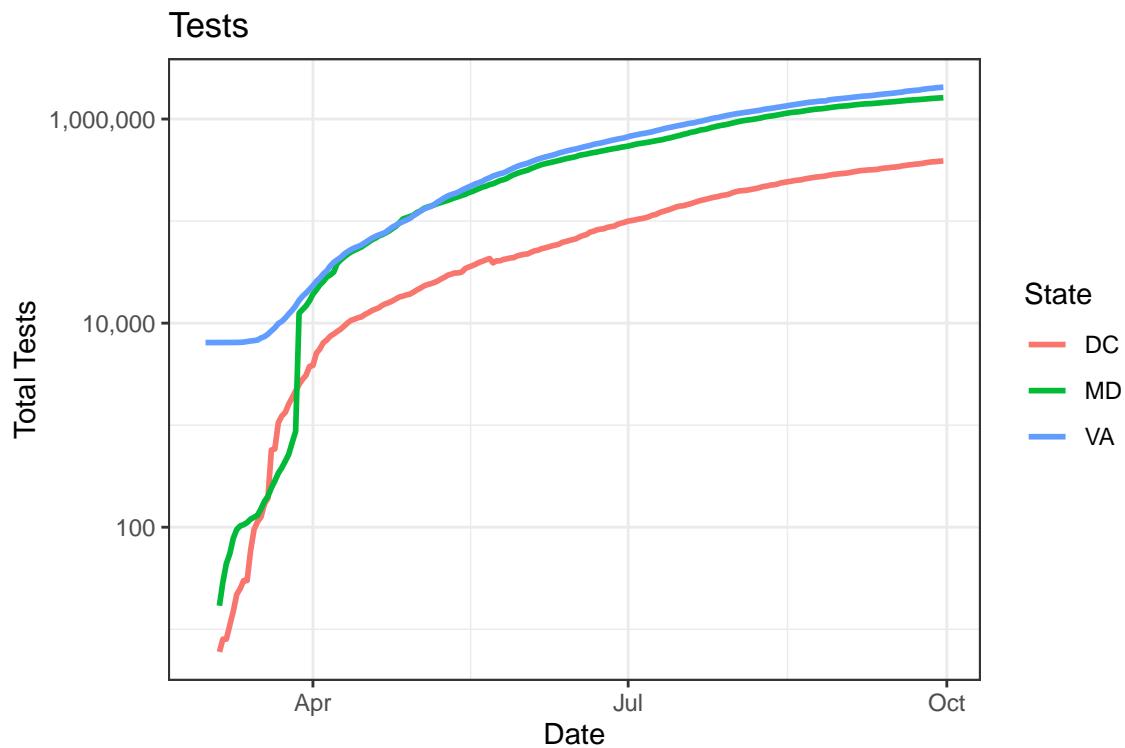


One-Week Change in Daily Cases

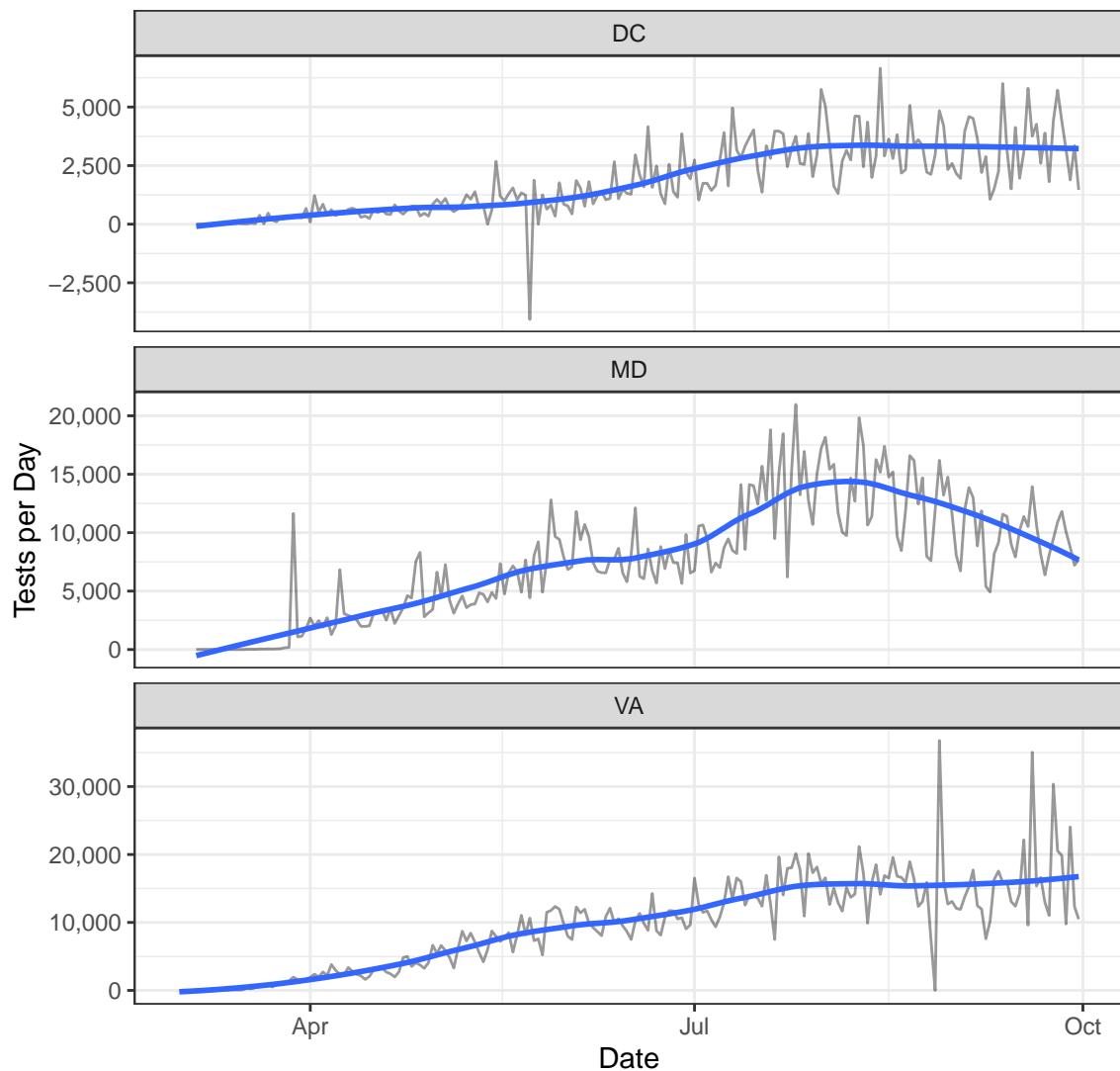




Testing



New Tests



Positive Test Rate

