

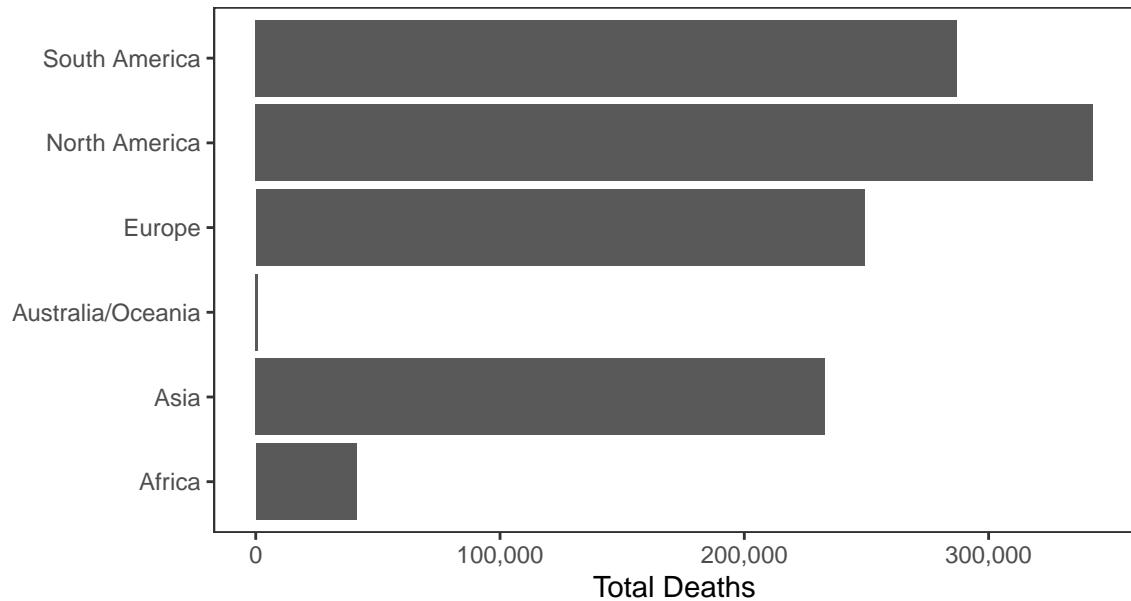
Erik's Covid-19 Chart Pack

Data updated 2020-10-25 20:21:38. 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 42,918,598 confirmed Covid-19 cases and 1,154,312 deaths worldwide.

Deaths



Cases

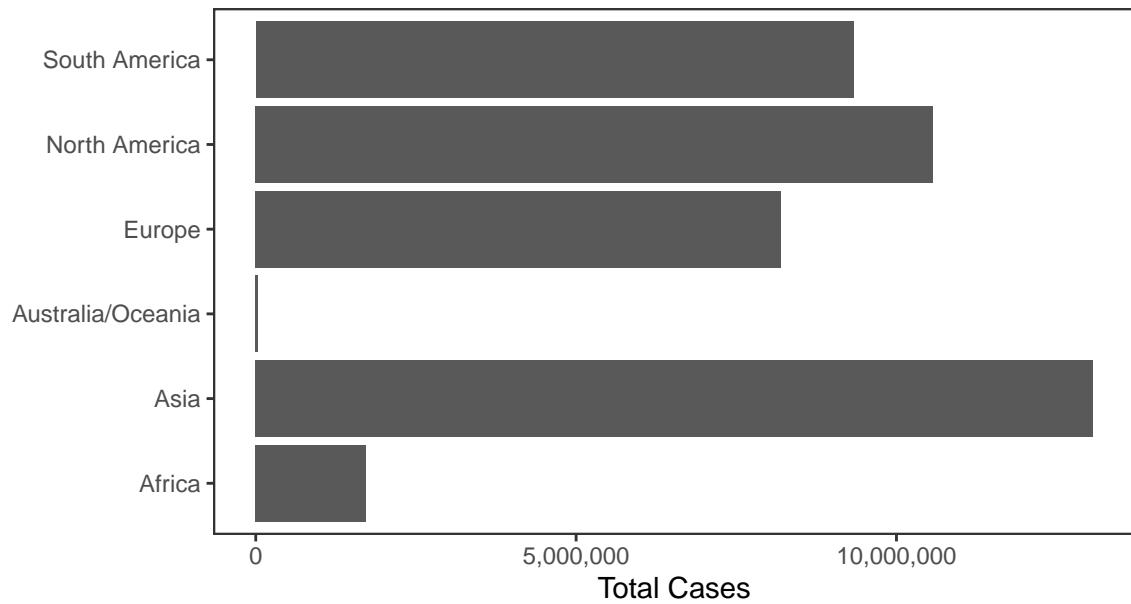
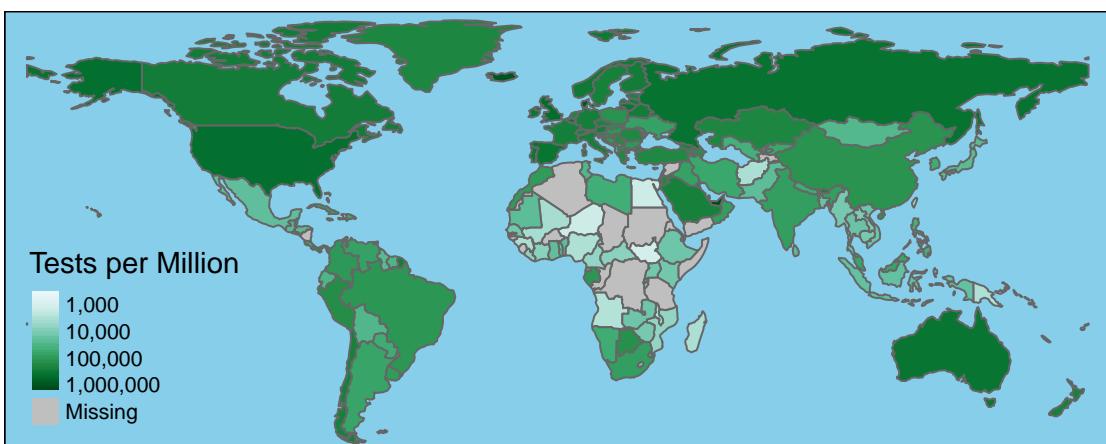
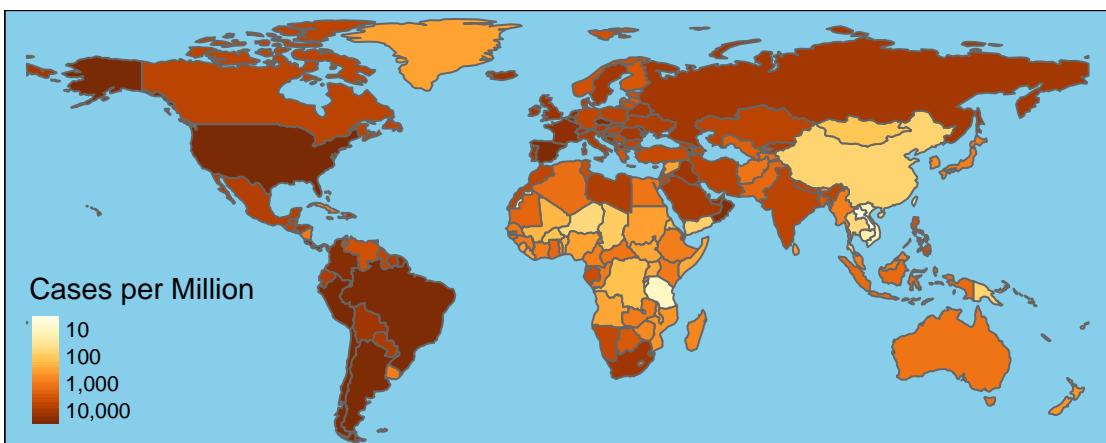
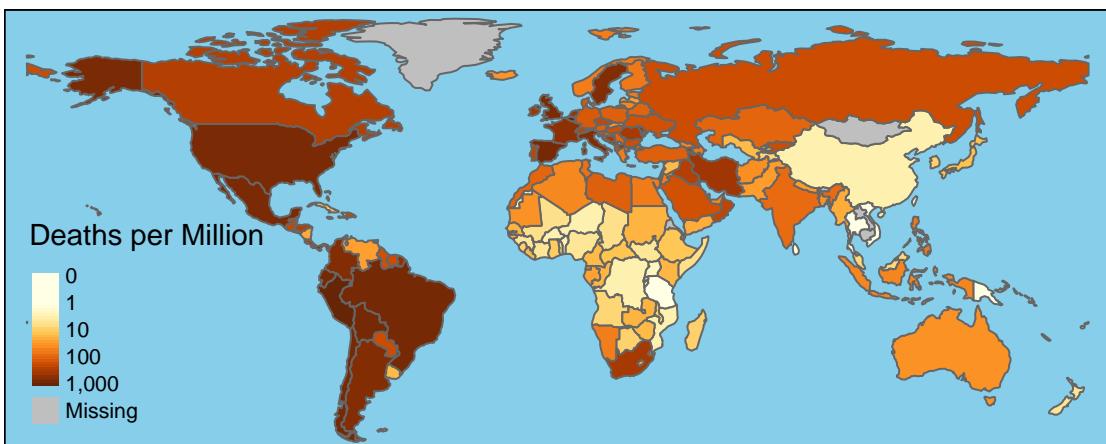


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	8,828,290	230,068	79,453	784
India	7,863,892	118,567	50,224	575
Brazil	5,381,224	156,926	25,574	398
Russia	1,497,167	25,821	16,521	296
Spain	1,110,372	34,752	0	0
France	1,086,497	34,645	45,422	137
Argentina	1,081,336	28,613	11,968	275
Colombia	1,007,711	30,000	8,769	198
Peru	886,214	34,095	3,098	62
Mexico	880,775	88,312	6,604	418
UK	854,010	44,745	23,012	174
South Africa	714,246	18,944	1,834	53
Iran	562,705	32,320	5,814	335
Italy	504,509	37,210	19,644	151
Chile	500,523	13,892	1,612	48
Iraq	449,153	10,568	3,204	55
Germany	427,808	10,111	10,458	21
Bangladesh	397,507	5,780	1,094	19
Indonesia	385,980	13,205	4,070	128
Philippines	367,805	6,934	2,043	19



National Data

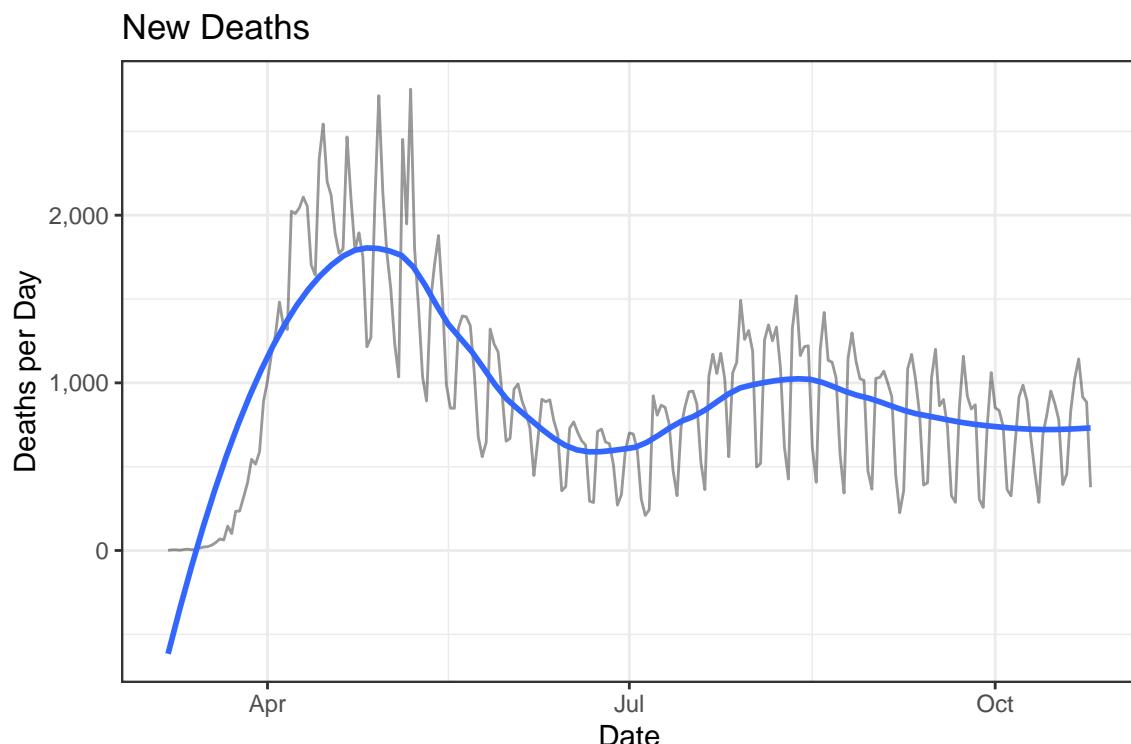
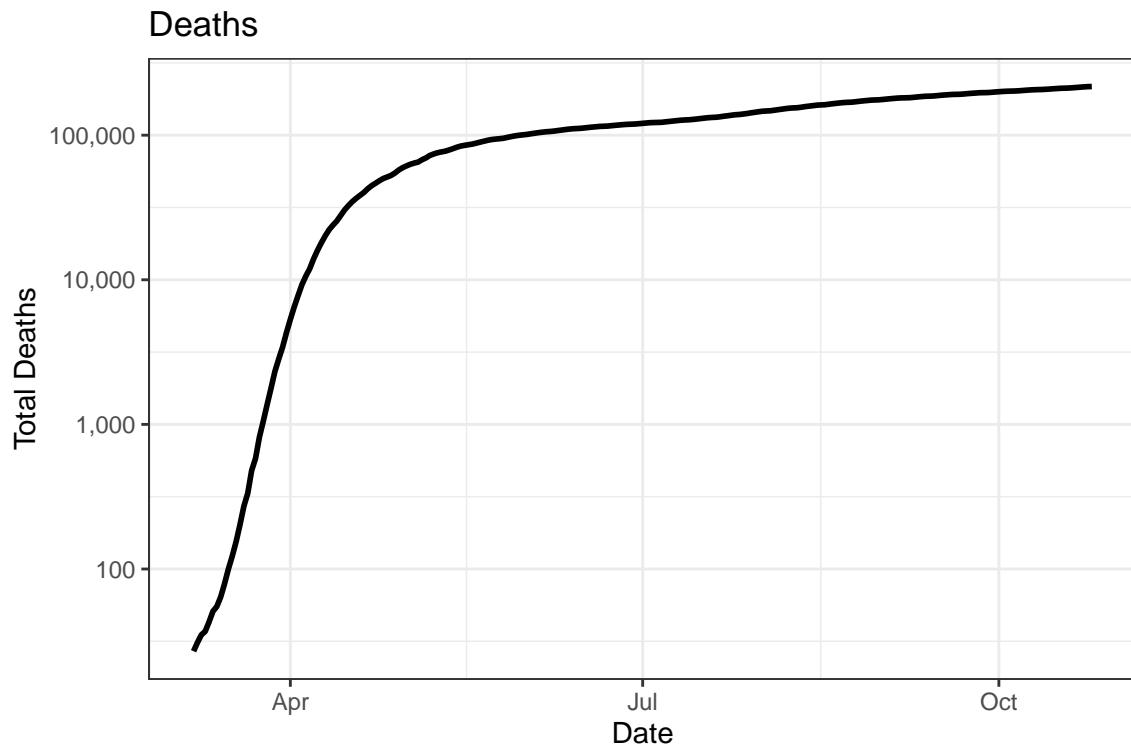
There have been 8,597,312 confirmed Covid-19 cases and 217,023 deaths in the United States.

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

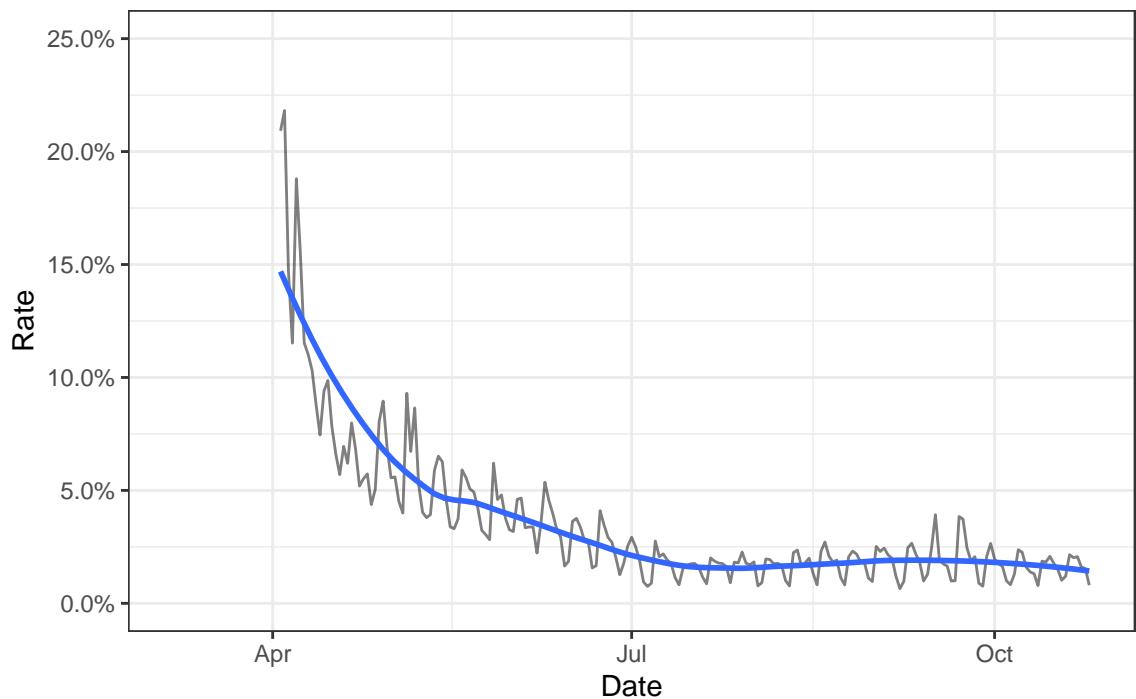
Date	Cases	Deaths	New Cases	New Deaths
2020-10-25	8,597,312	217,023	65,413	377
2020-10-24	8,531,899	216,646	82,668	885
2020-10-23	8,449,231	215,761	83,010	916
2020-10-22	8,366,221	214,845	75,248	1,143
2020-10-21	8,290,973	213,702	58,606	1,024
2020-10-20	8,232,367	212,678	60,664	832
2020-10-19	8,171,703	211,846	57,148	456
2020-10-18	8,114,555	211,390	48,922	393
2020-10-17	8,065,633	210,997	57,943	780
2020-10-16	8,007,690	210,217	68,124	877
2020-10-15	7,939,566	209,340	63,172	951
2020-10-14	7,876,394	208,389	56,797	811
2020-10-13	7,819,597	207,578	48,387	690
2020-10-12	7,771,210	206,888	43,124	287

Deaths

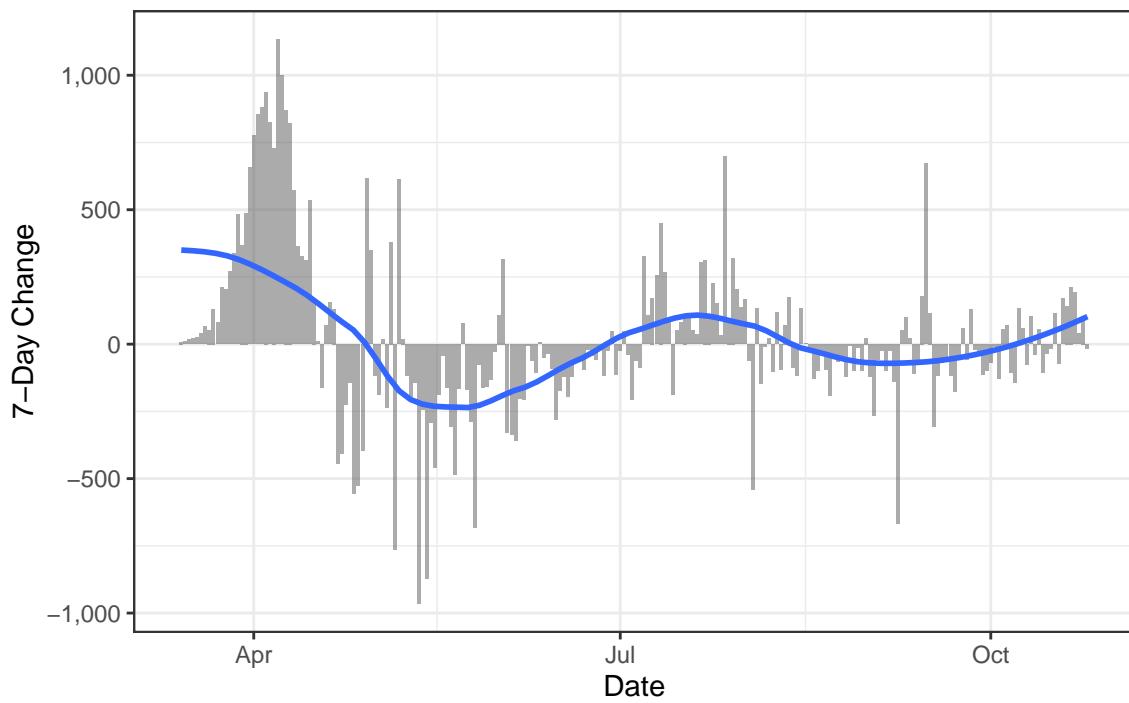
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

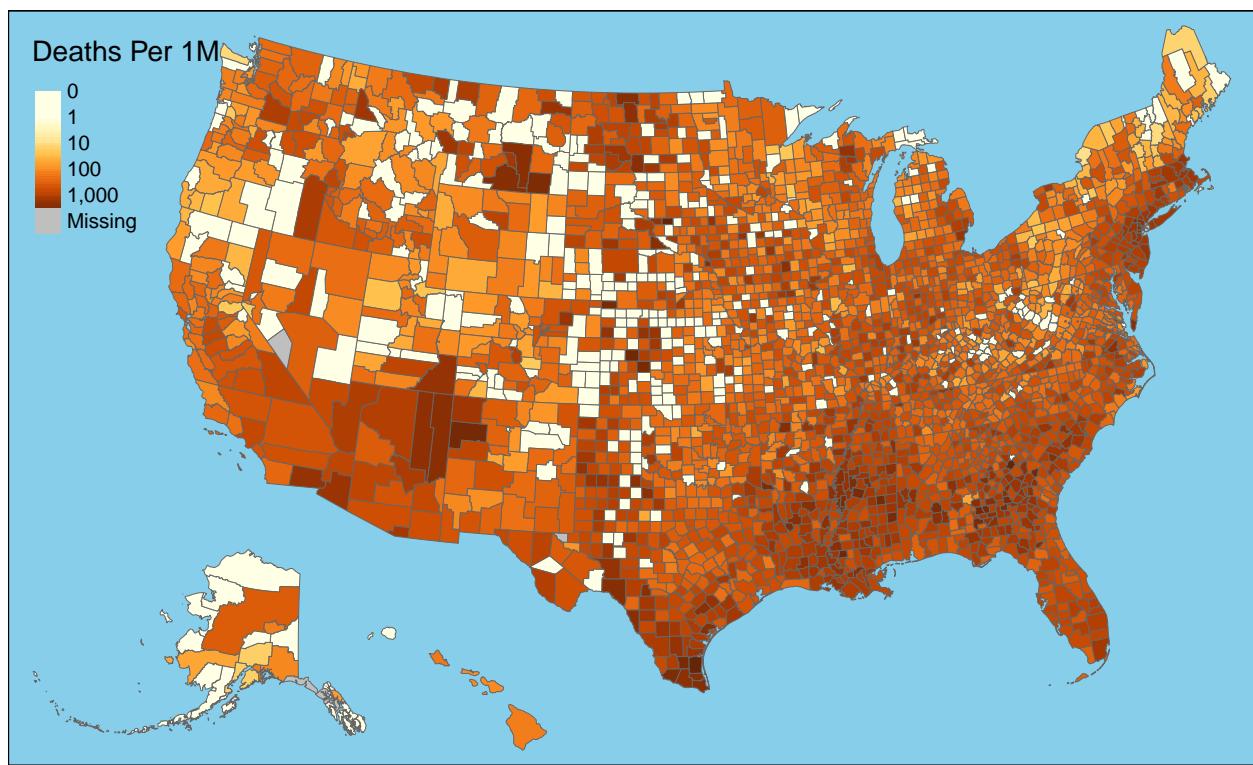


Daily Case Mortality Rate



One-Week Change in Daily Deaths

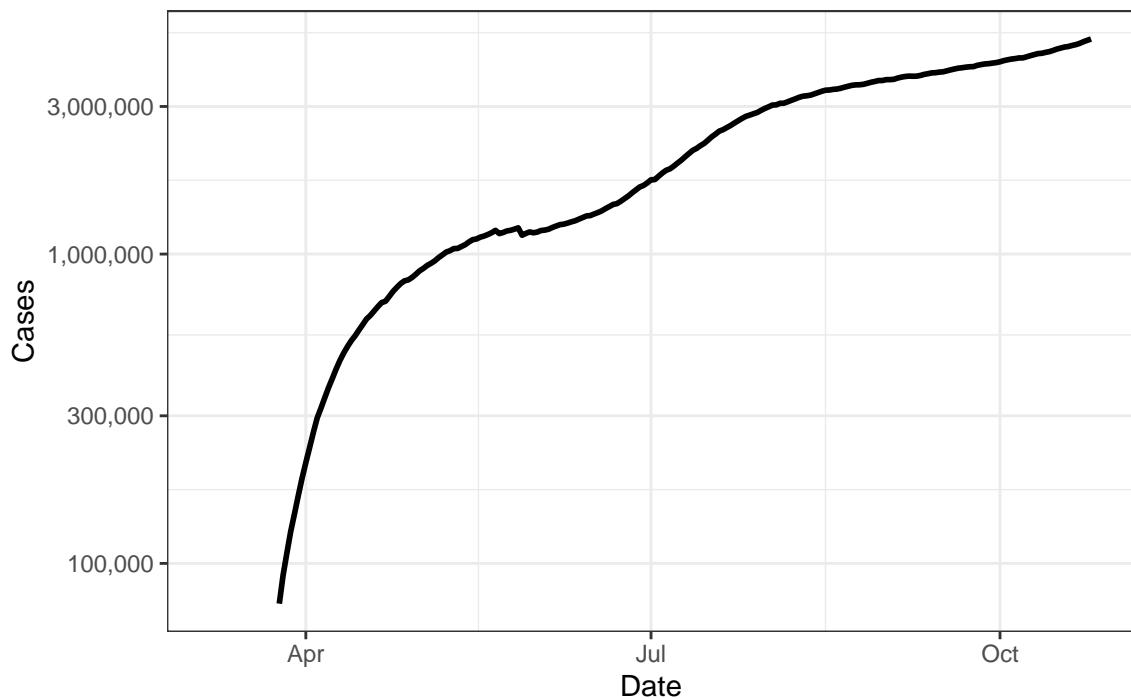




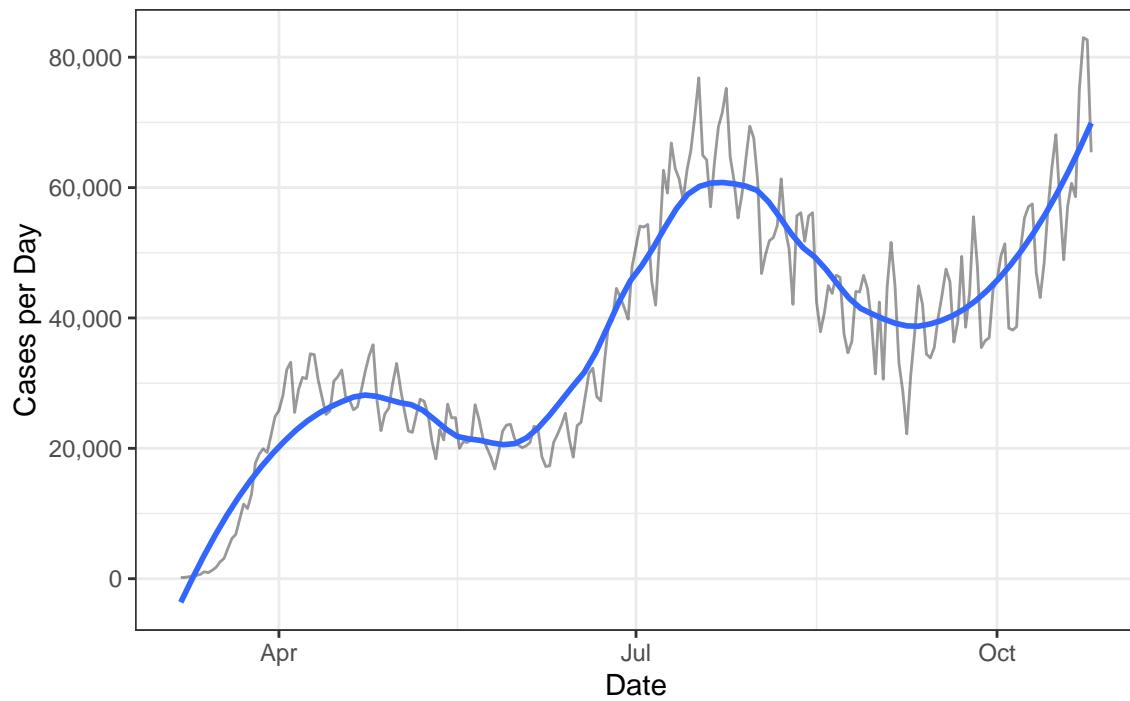
Cases

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

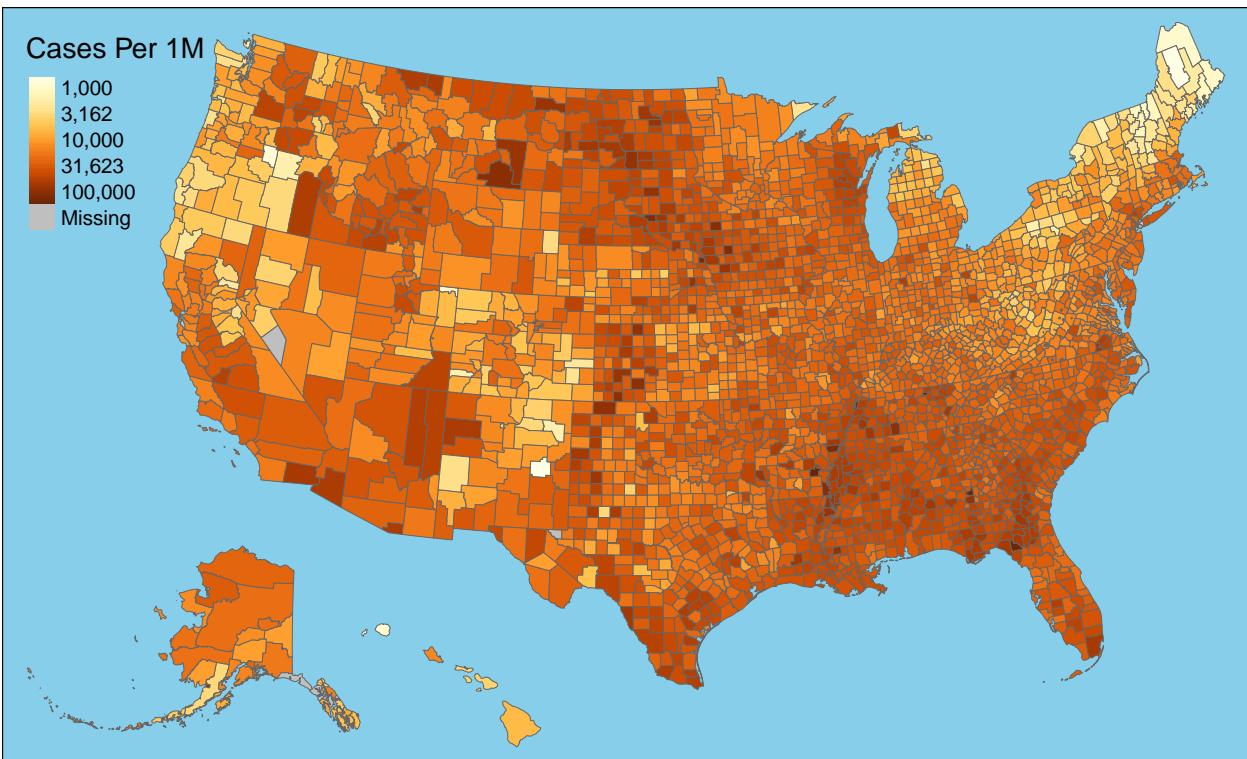
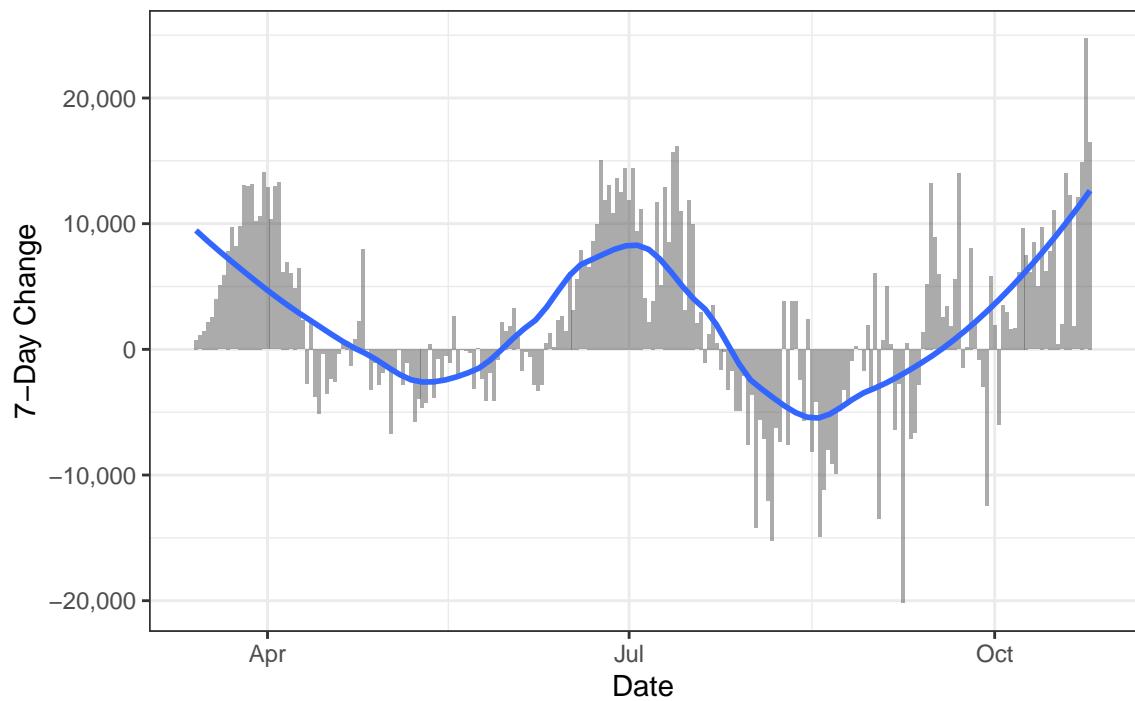
Active Cases



New Cases

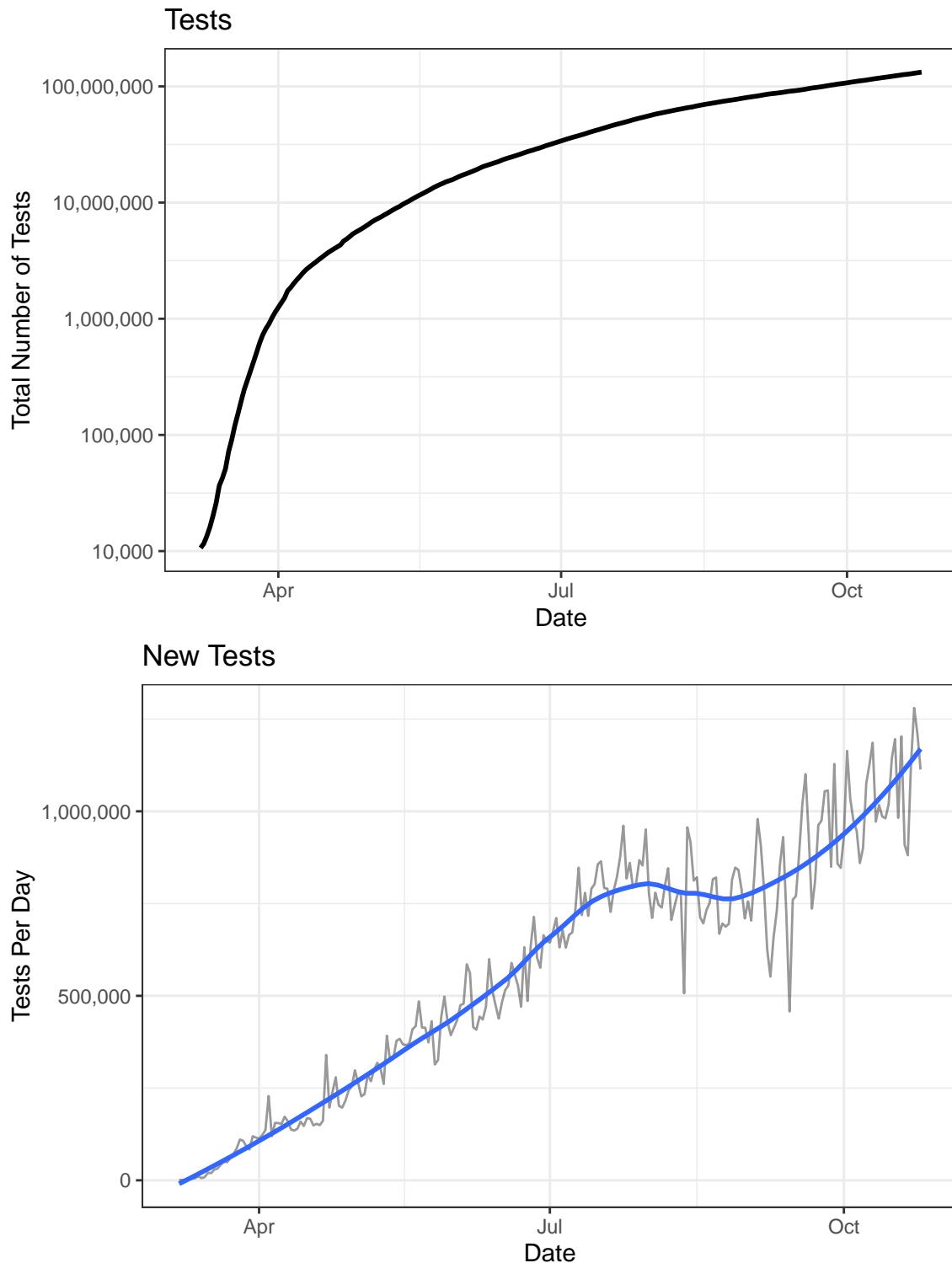


One-Week Change in Daily Cases

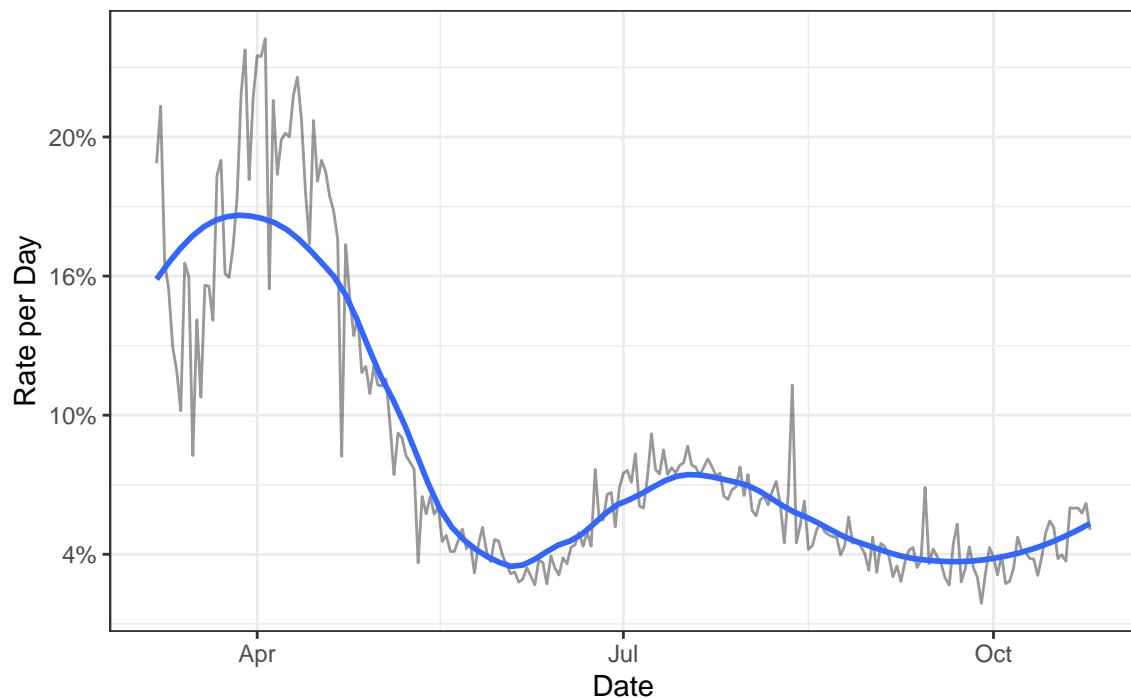


Testing

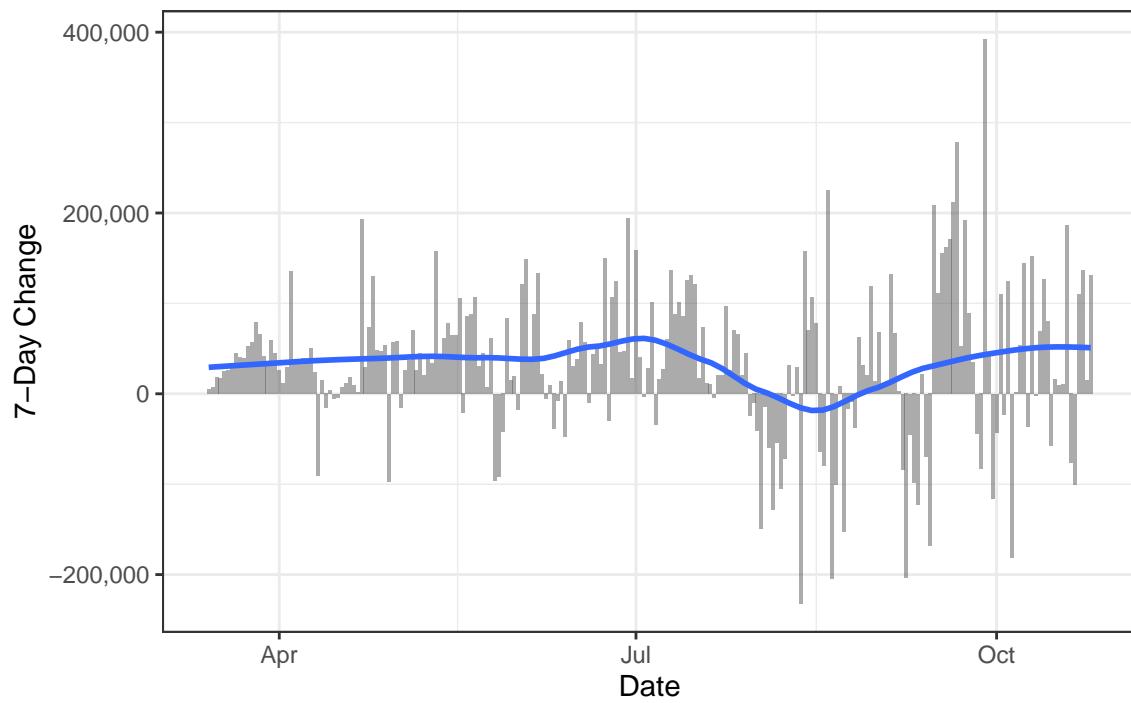
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

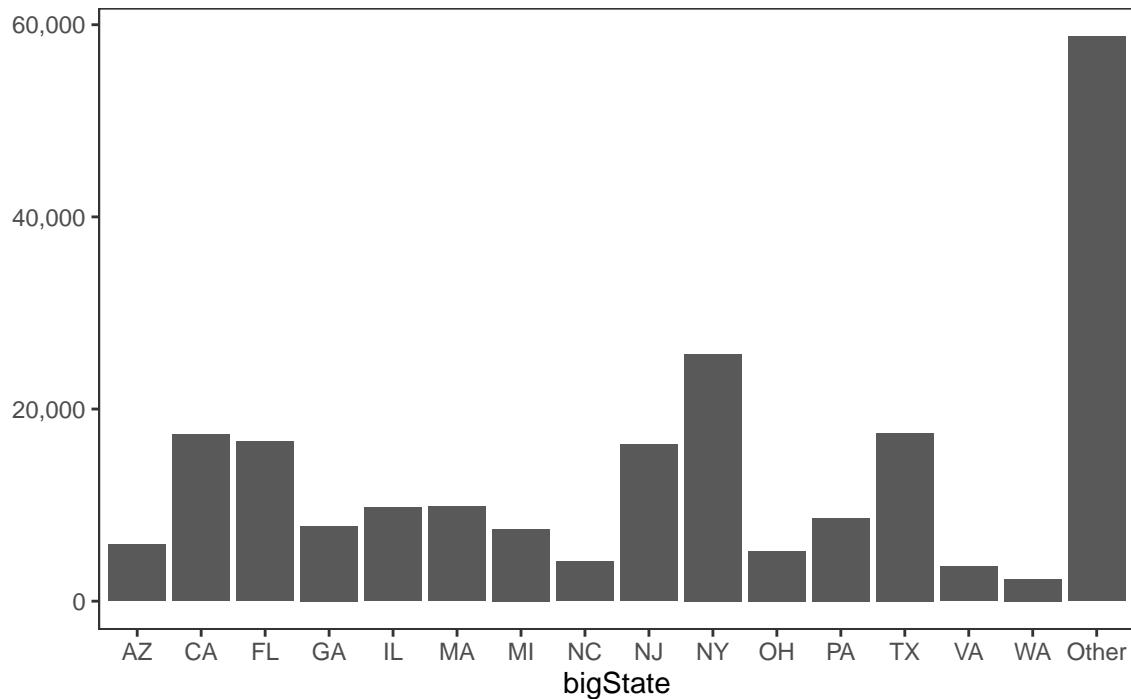


State Data

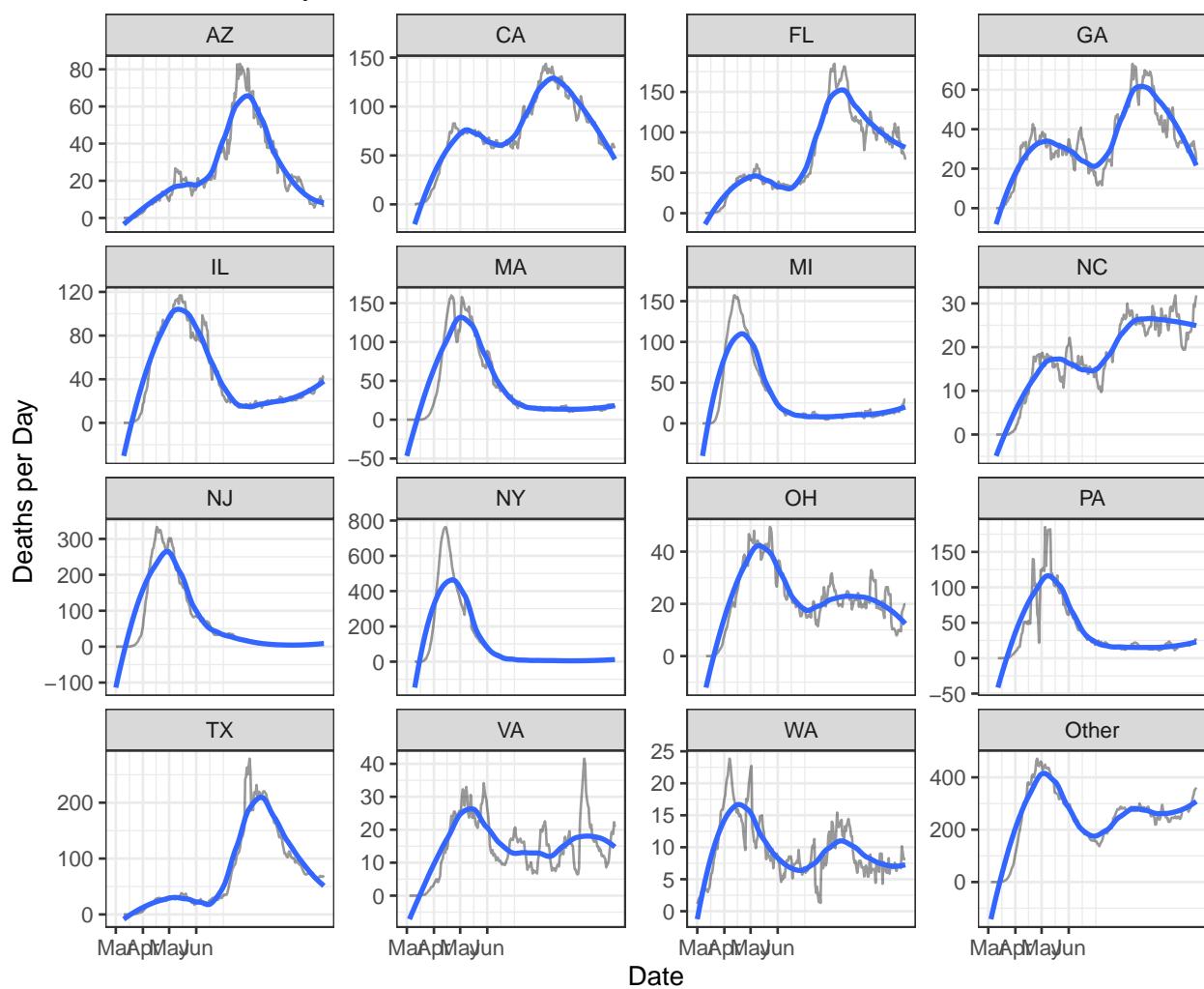
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

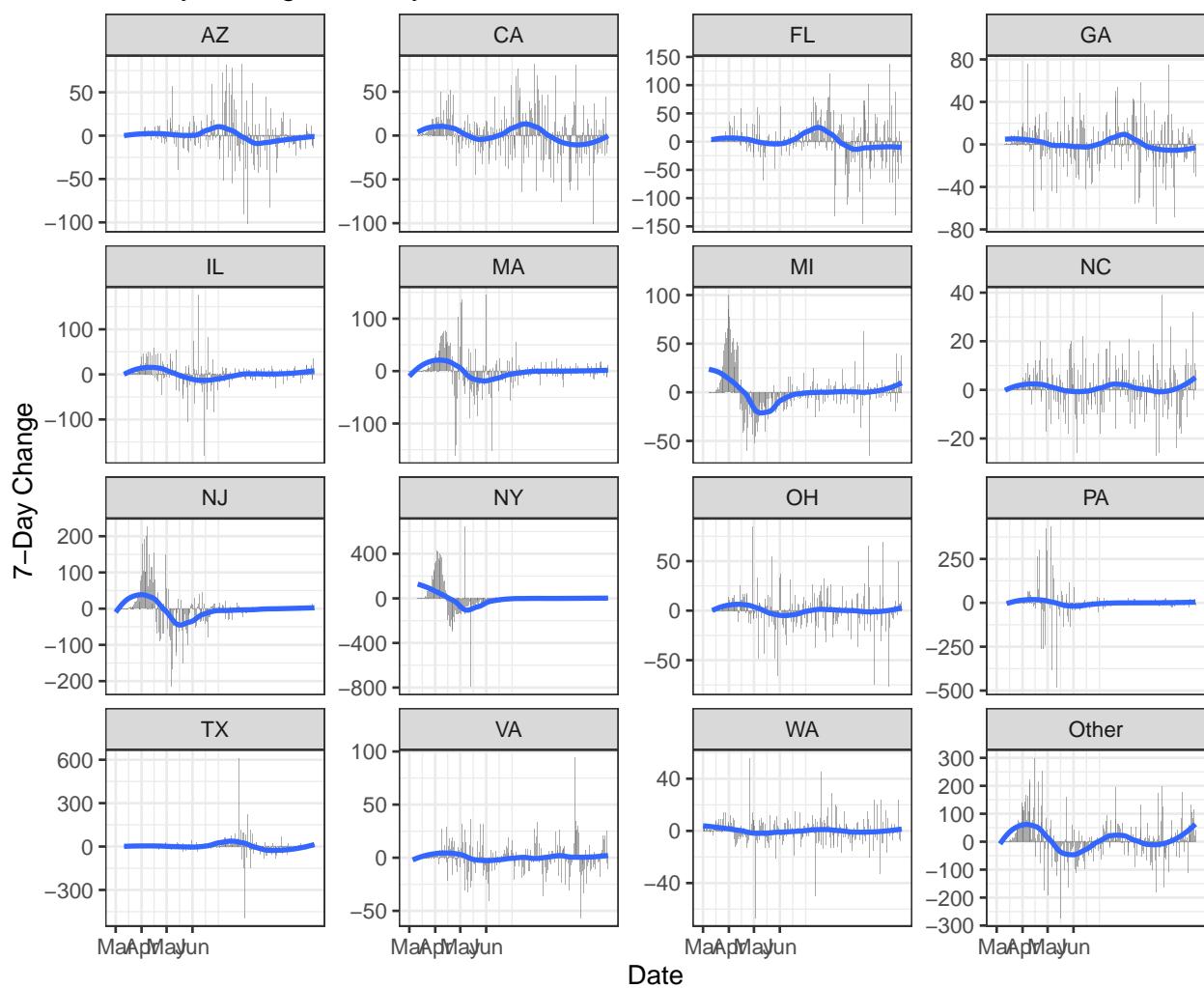
Deaths by State

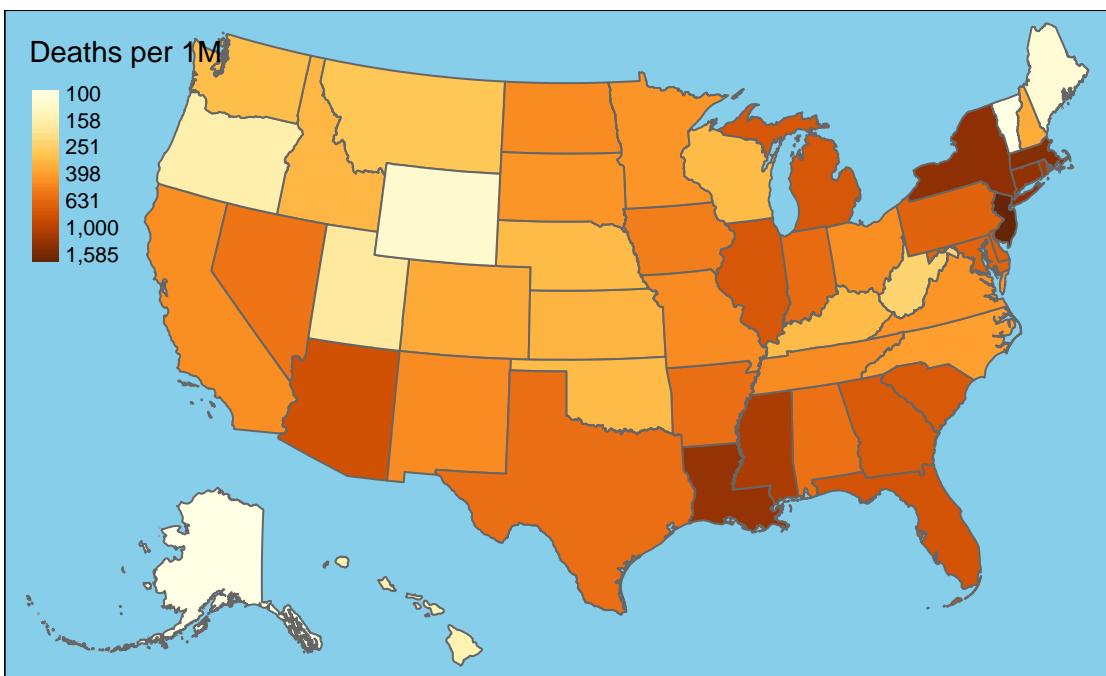
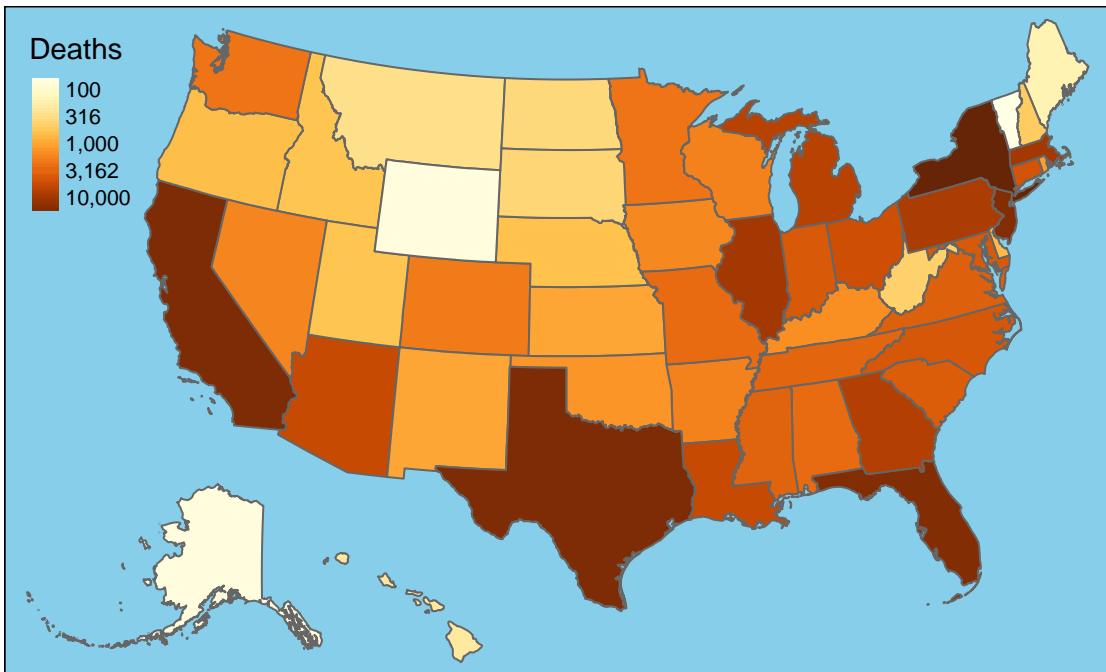


New Deaths by State



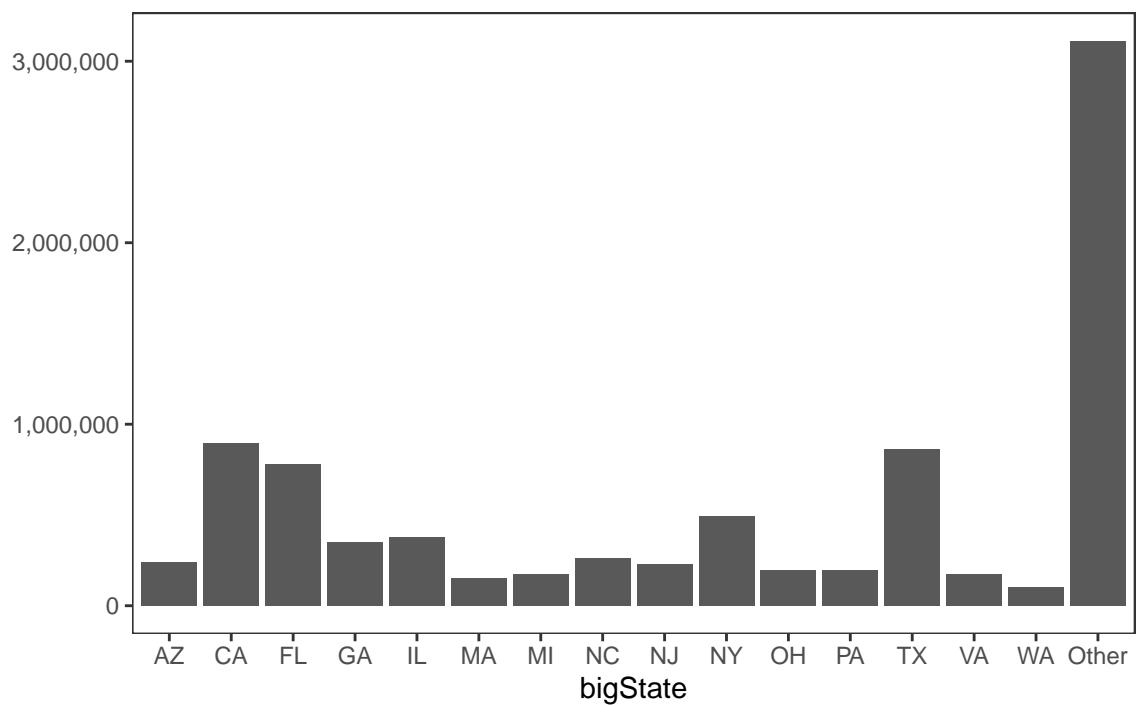
7-Day Change in Daily Deaths



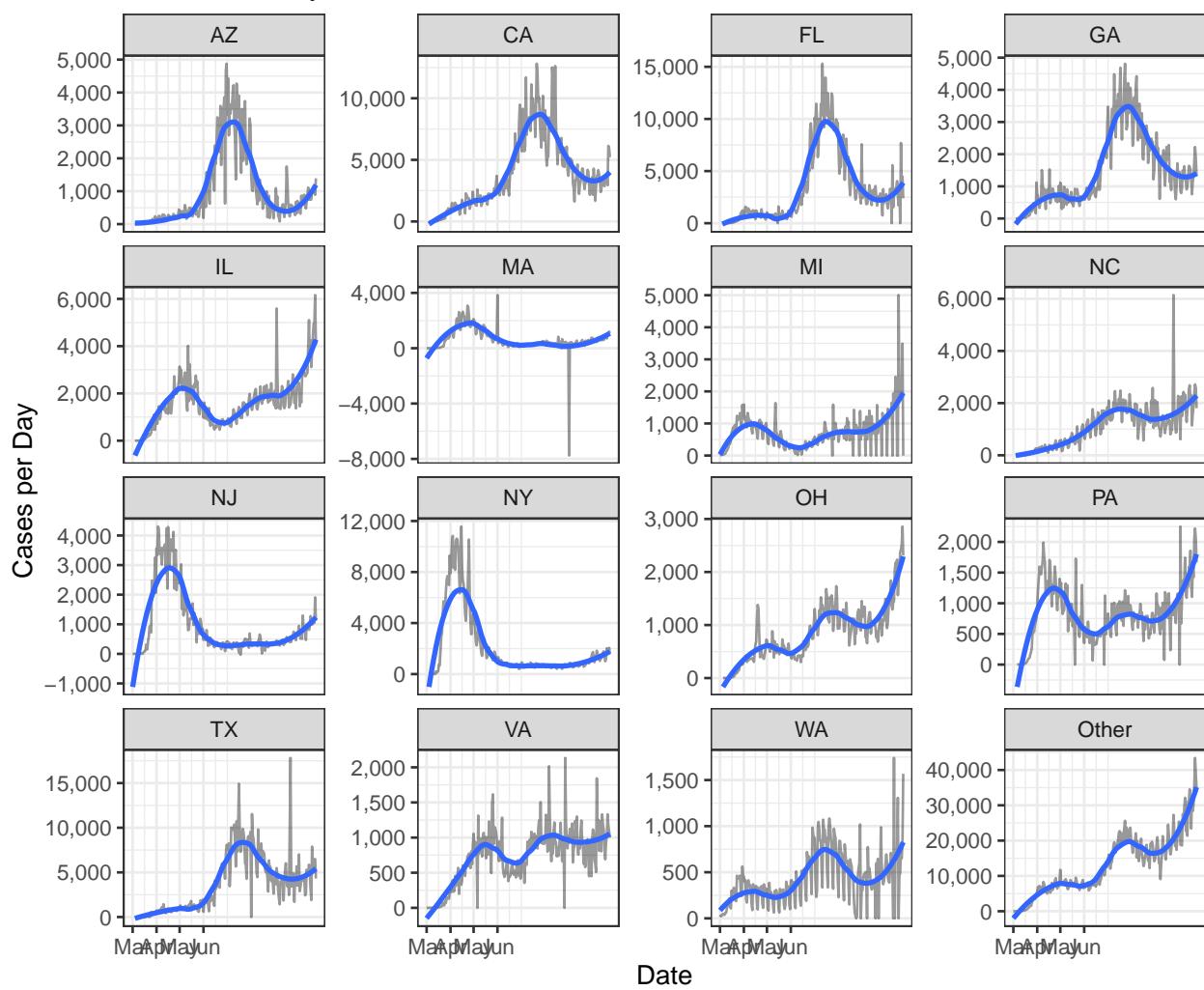


Cases

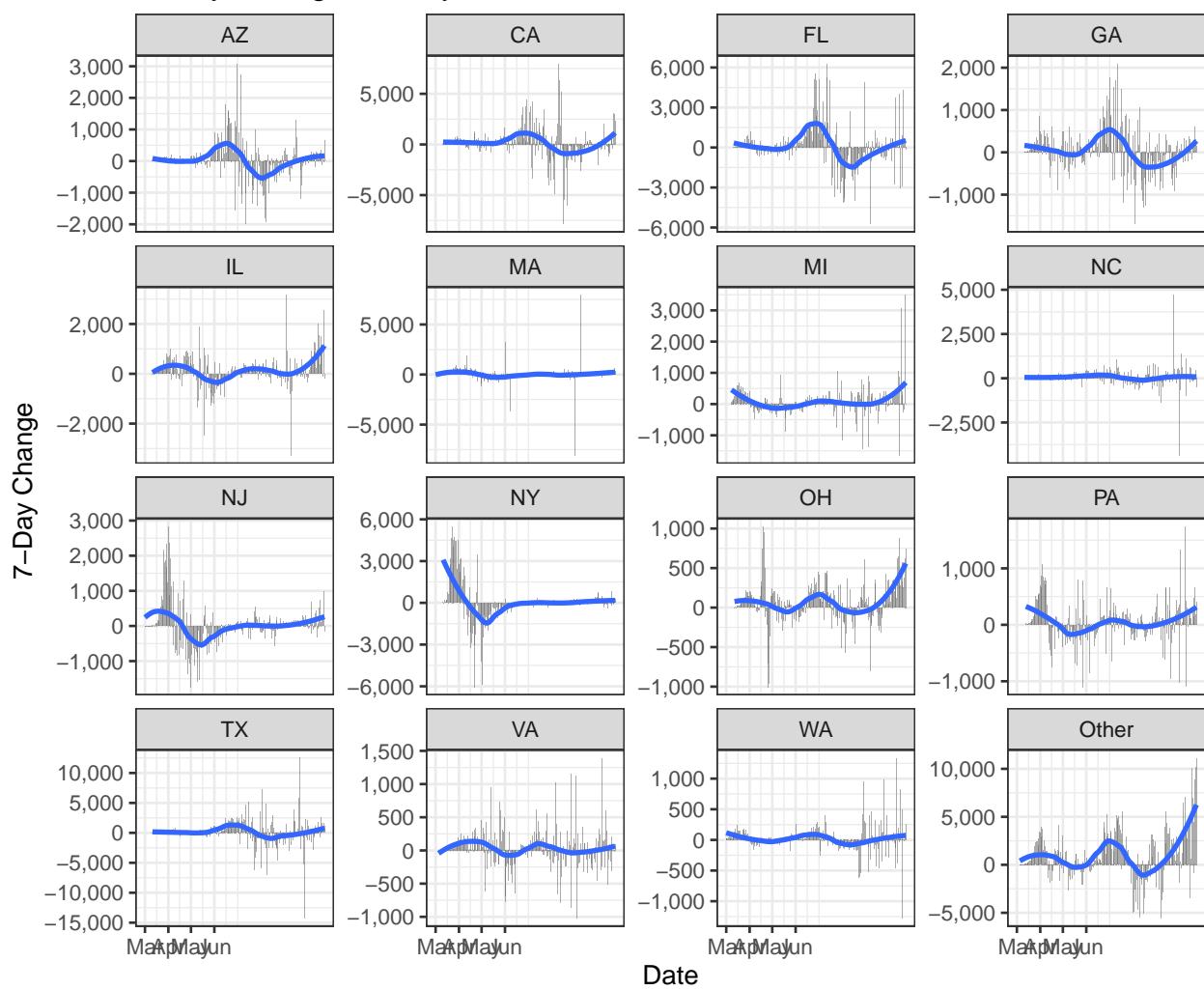
Cases by State

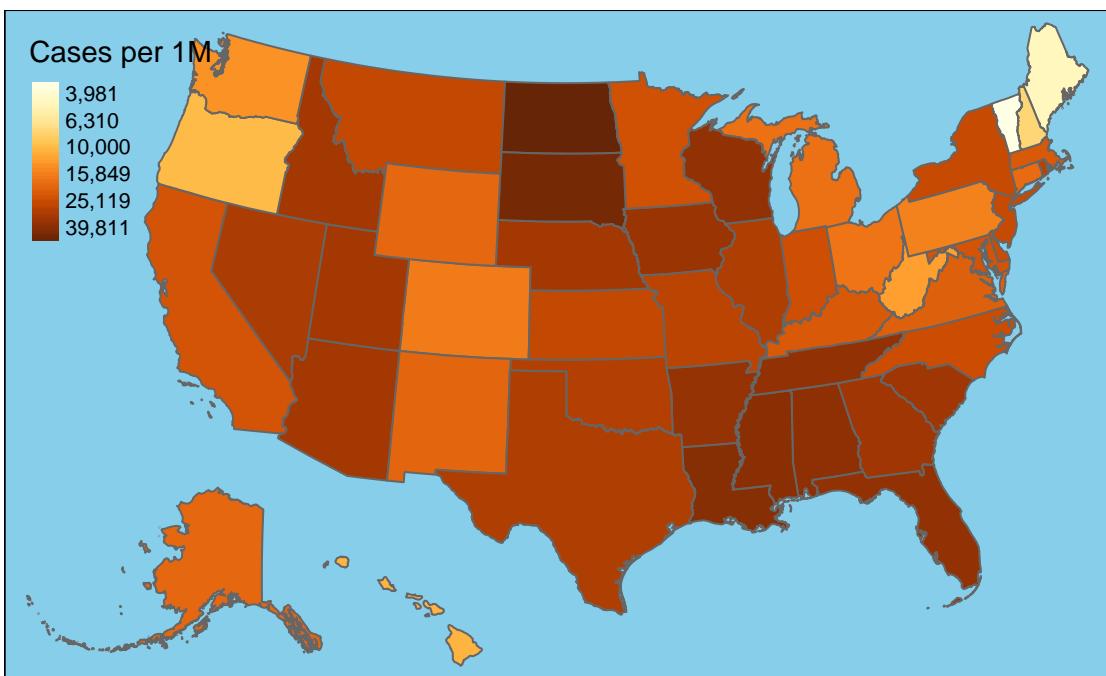
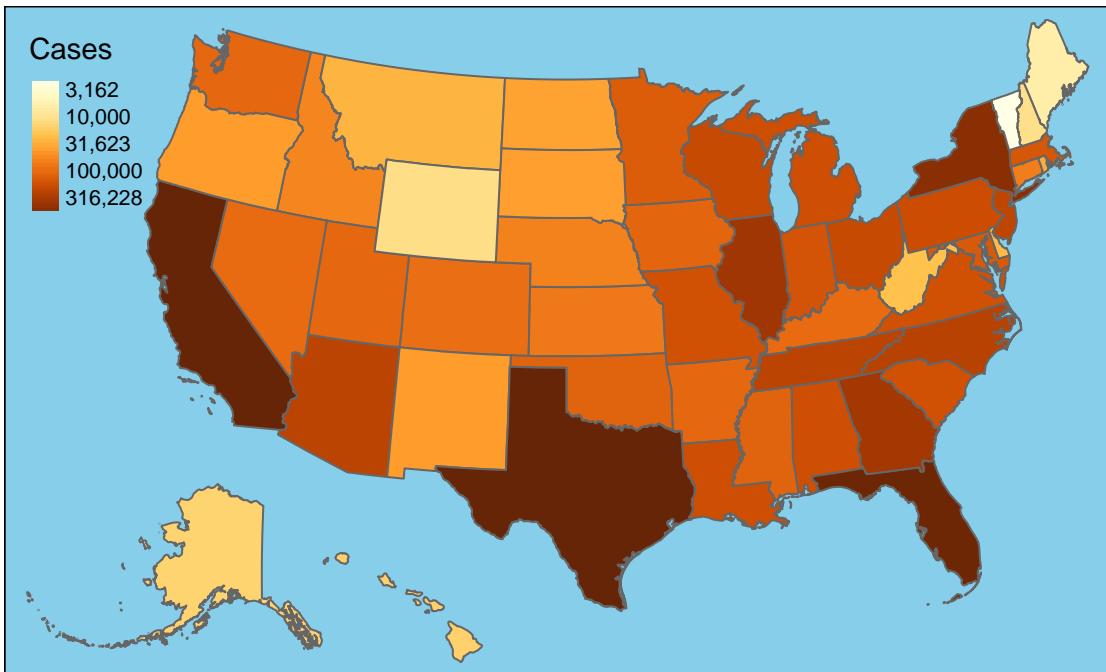


New Cases by State

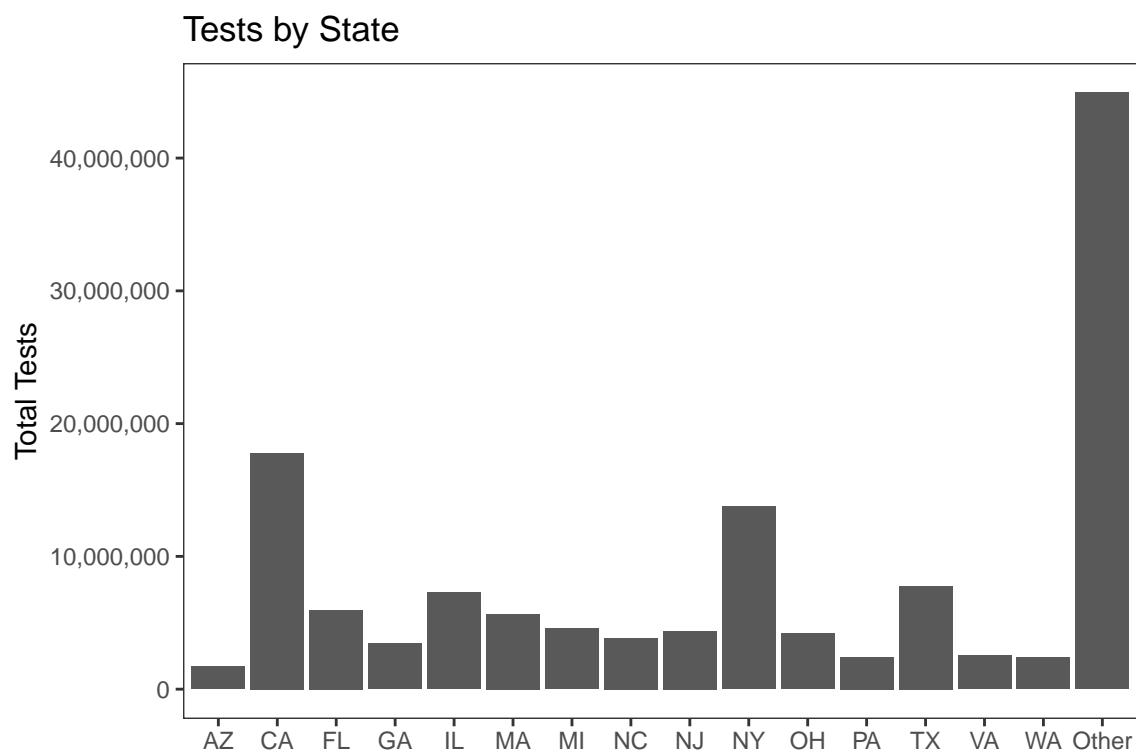


7-Day Change in Daily Cases

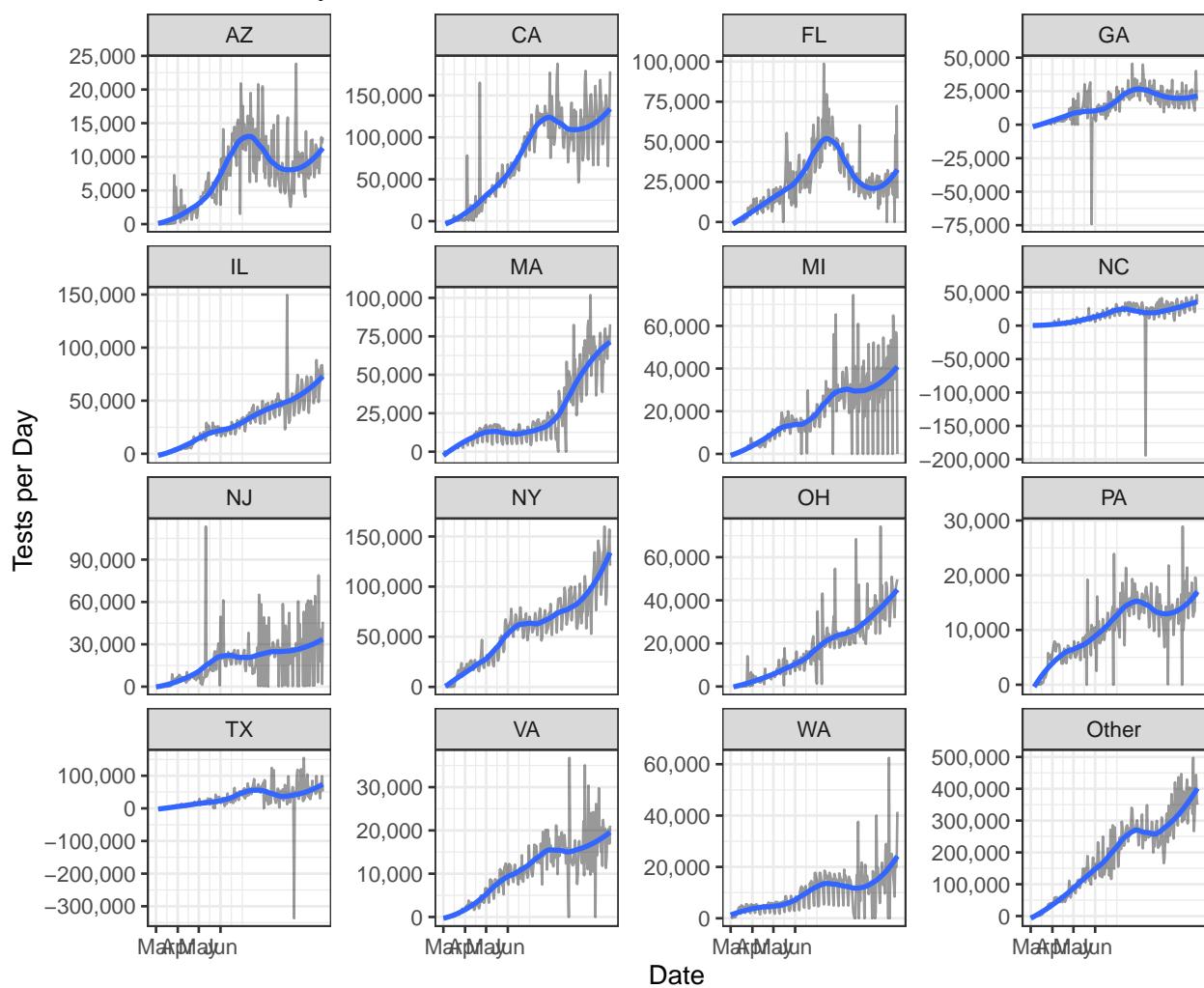


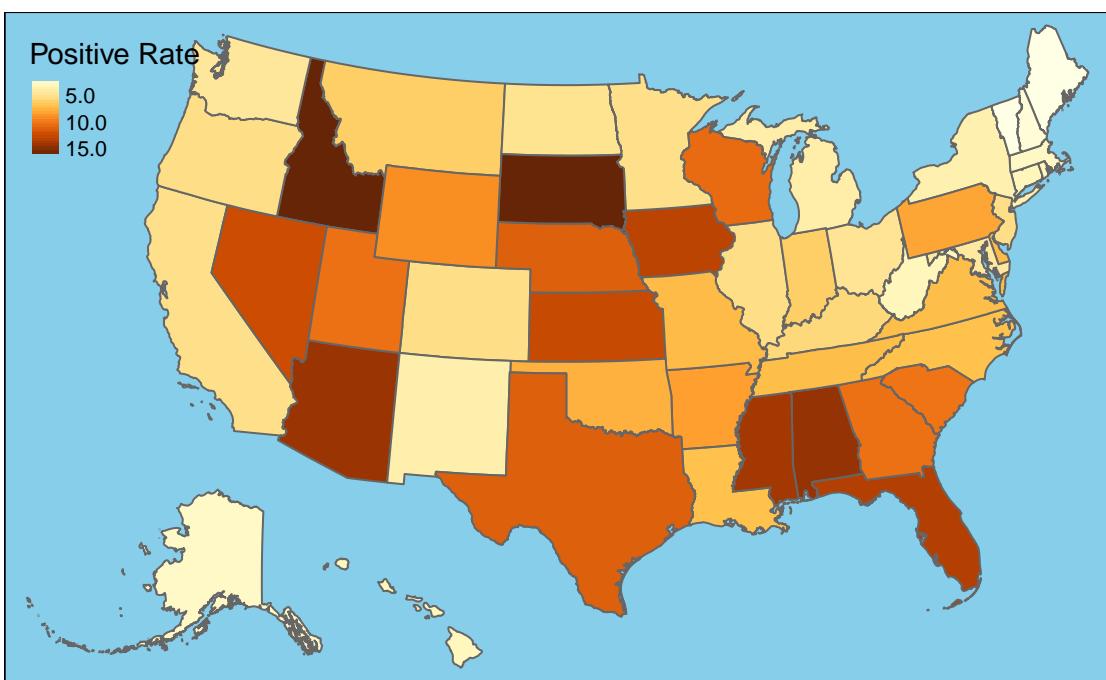
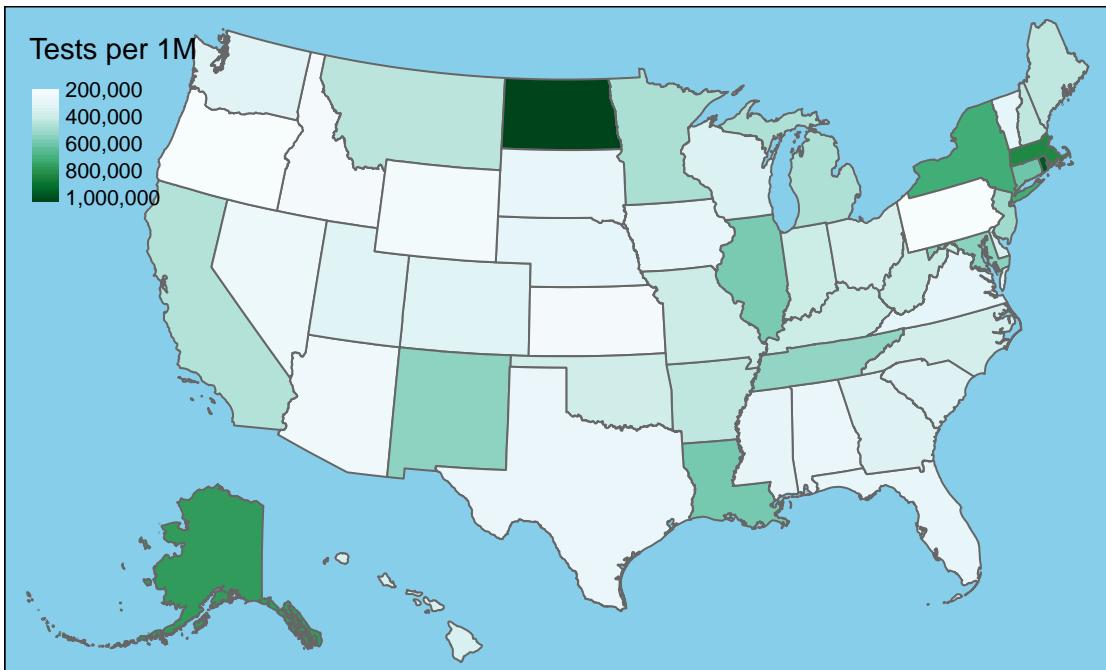


Testing



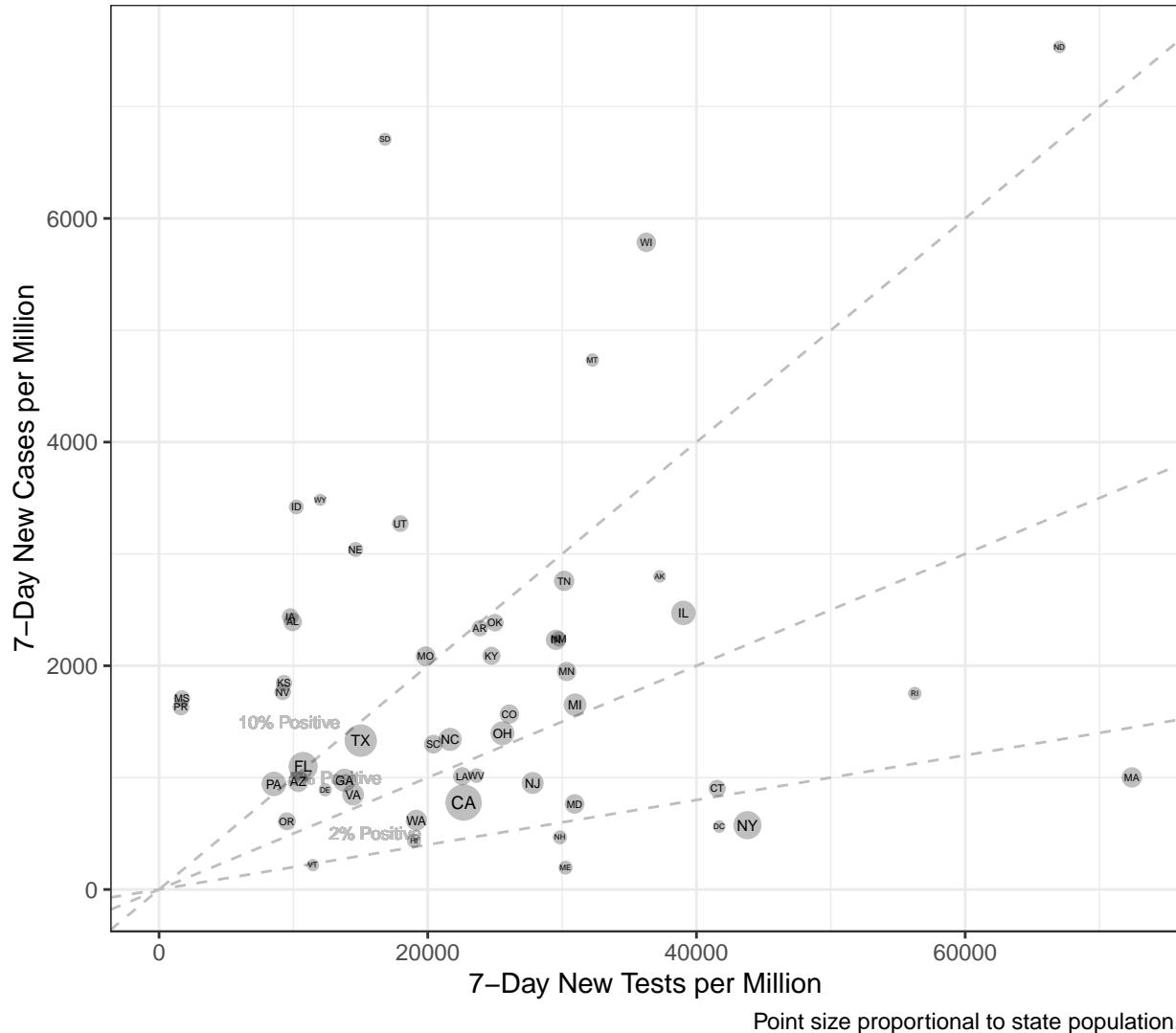
New Tests by State





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



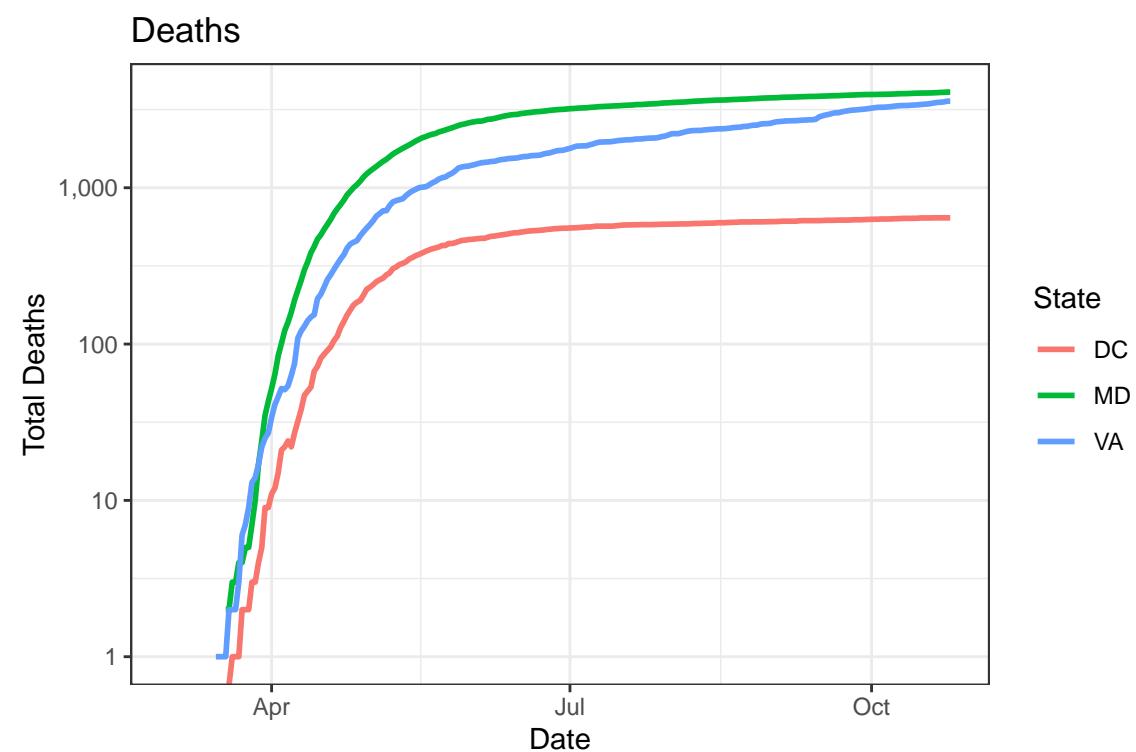
Local Data

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

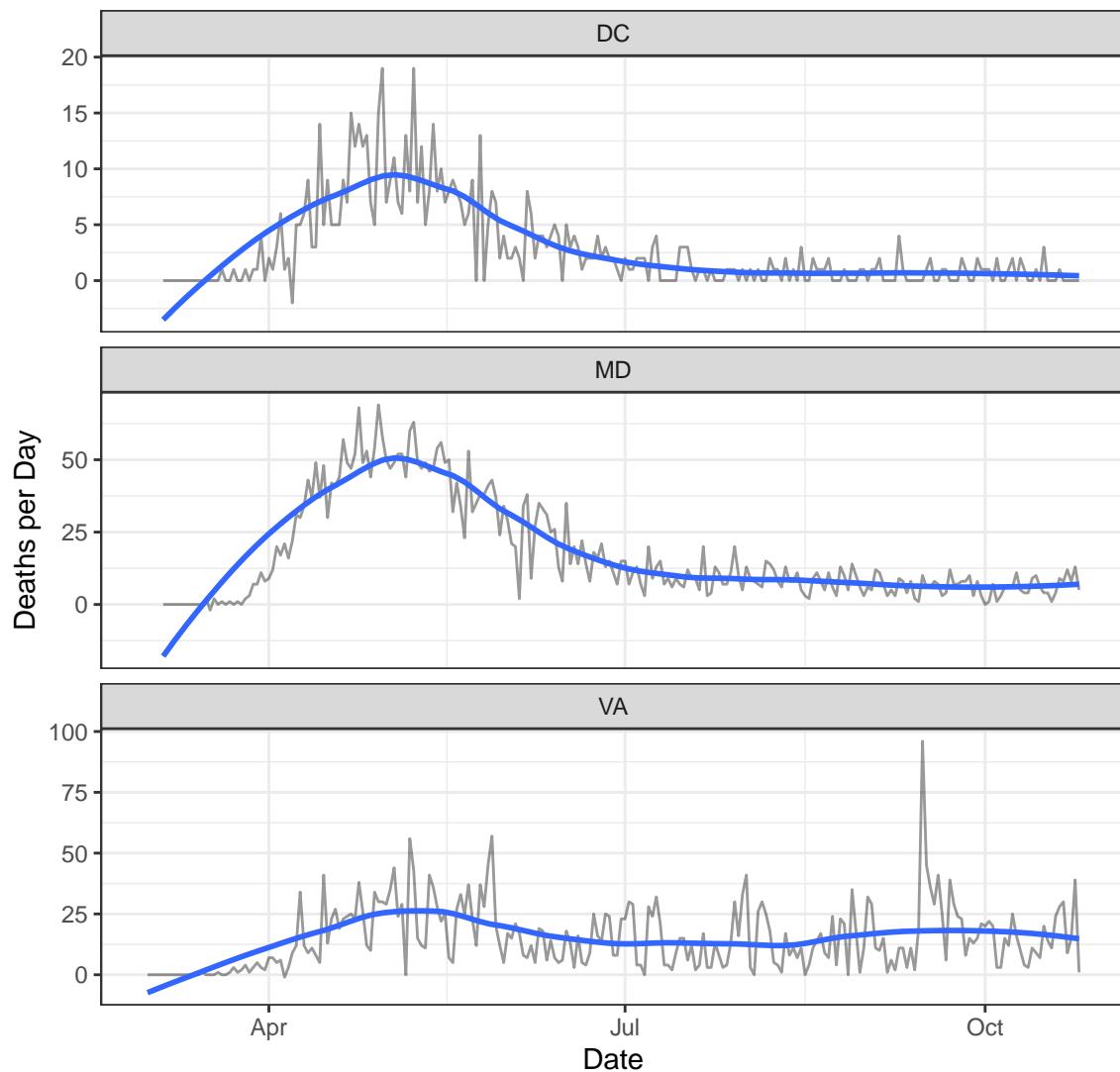
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	16,767	642	61	0
MD	140,279	4,096	792	5
VA	173,371	3,579	999	1

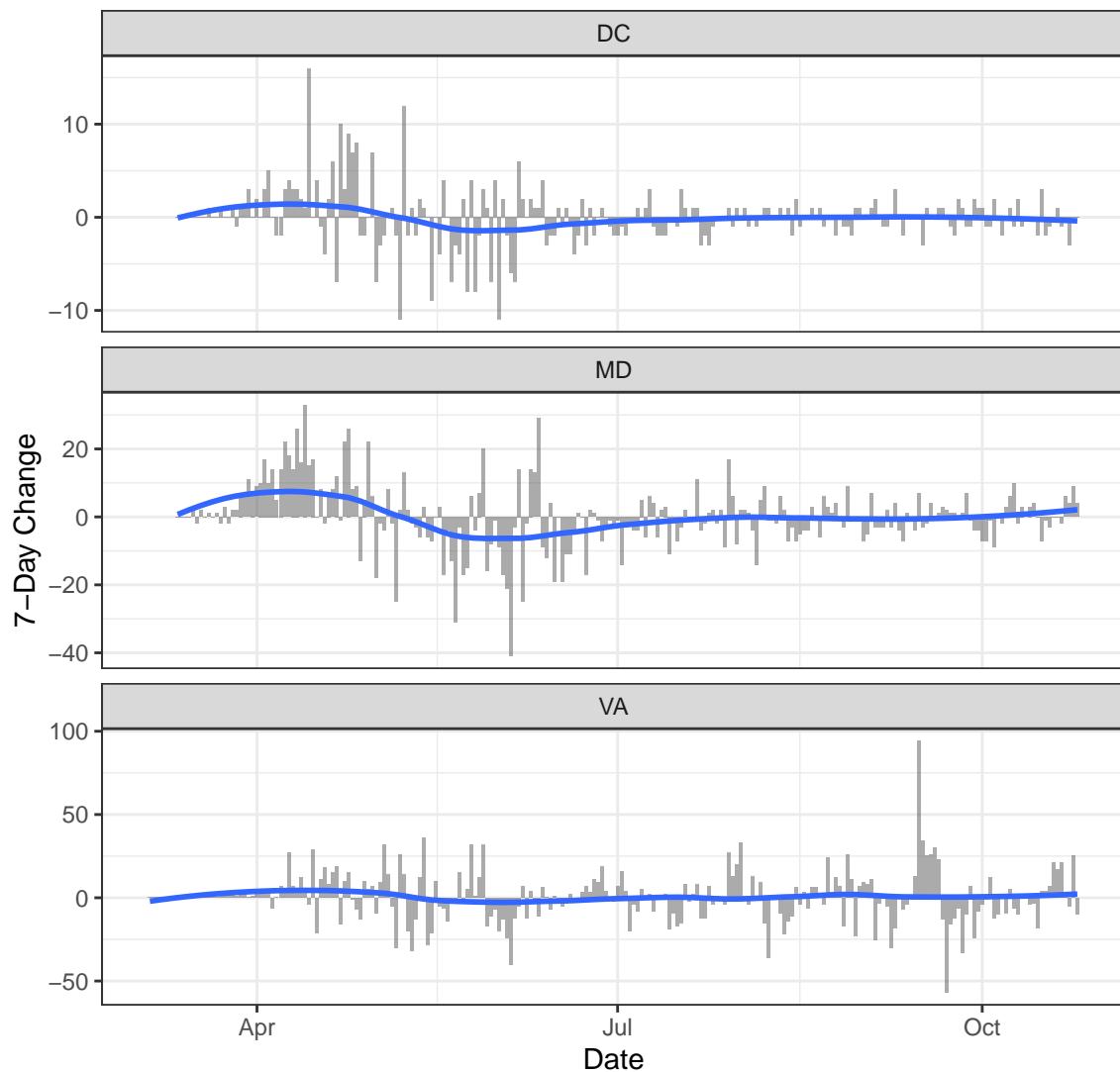
Deaths

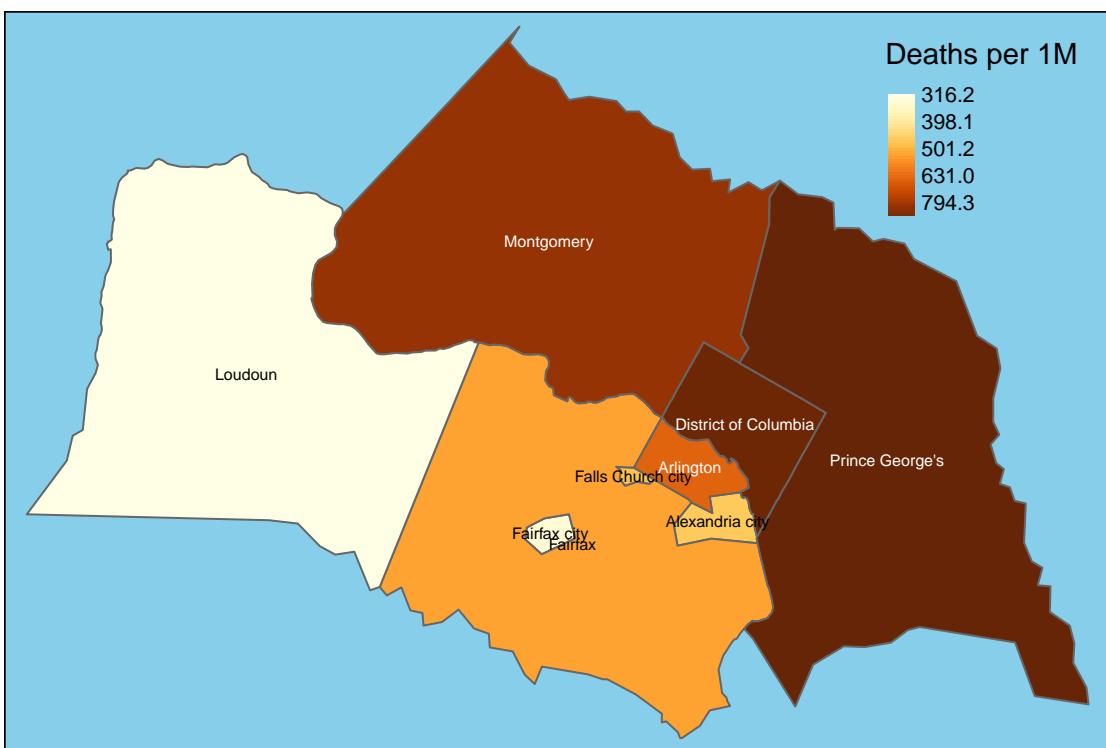
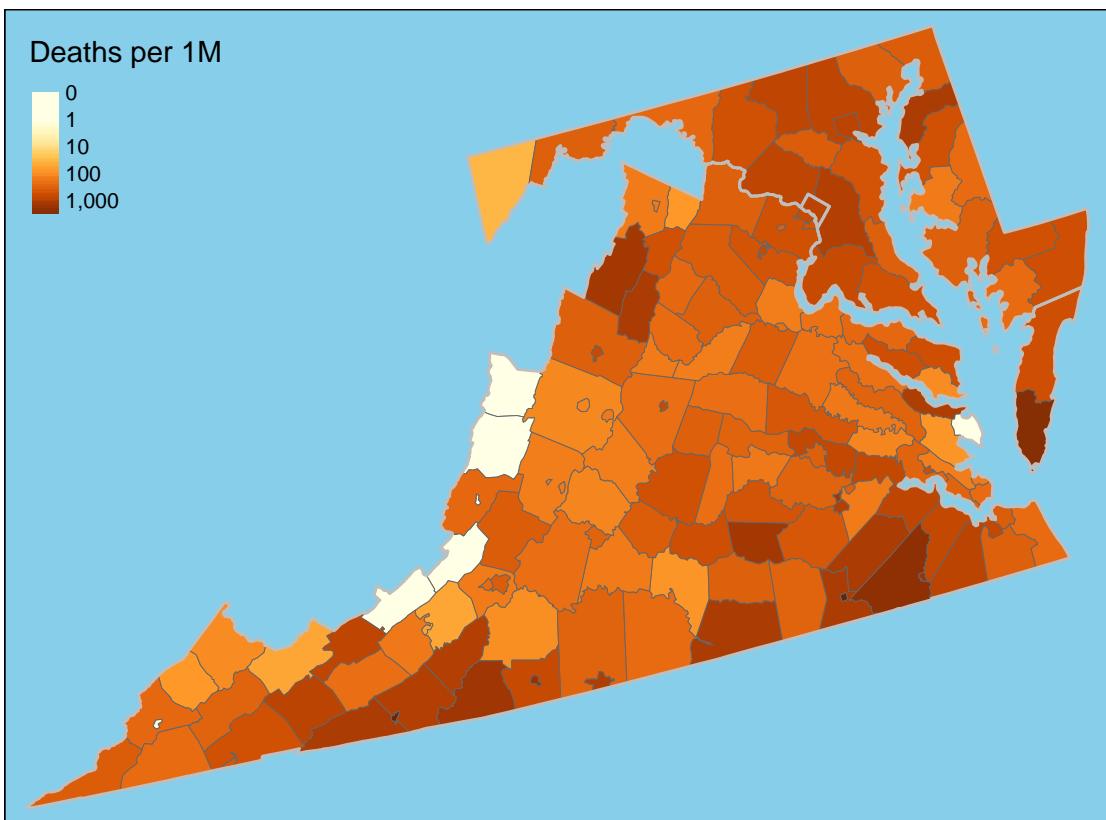


New Deaths

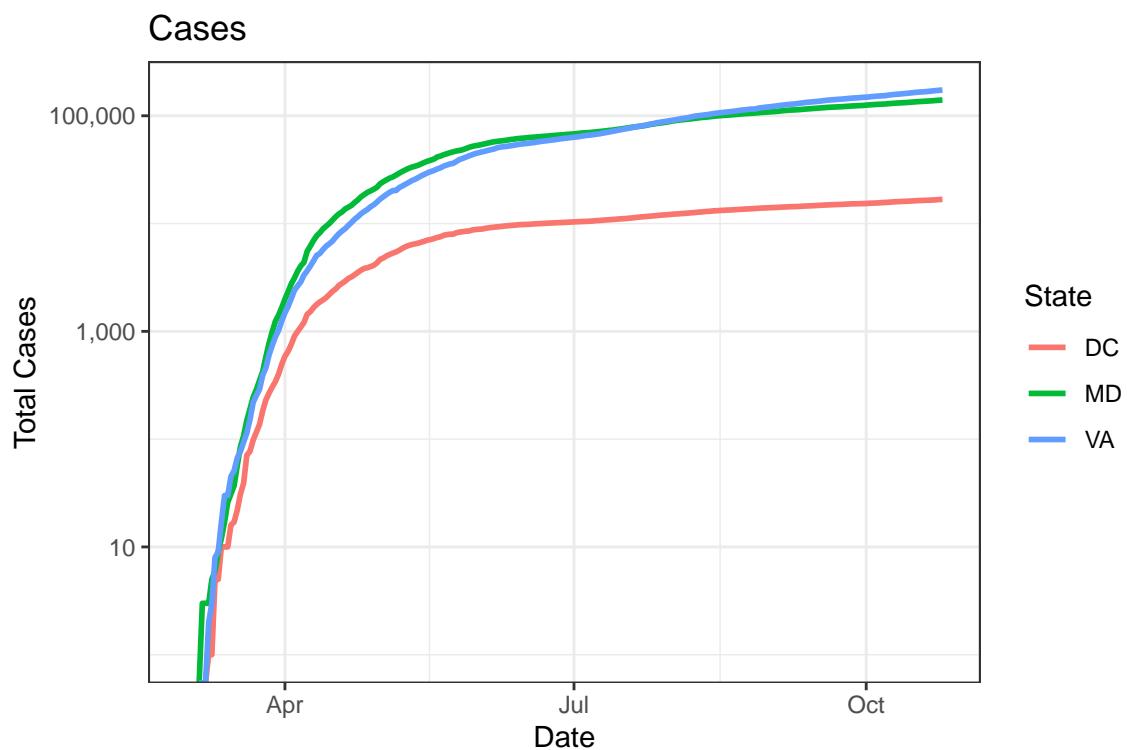


One-Week Change in Daily Deaths

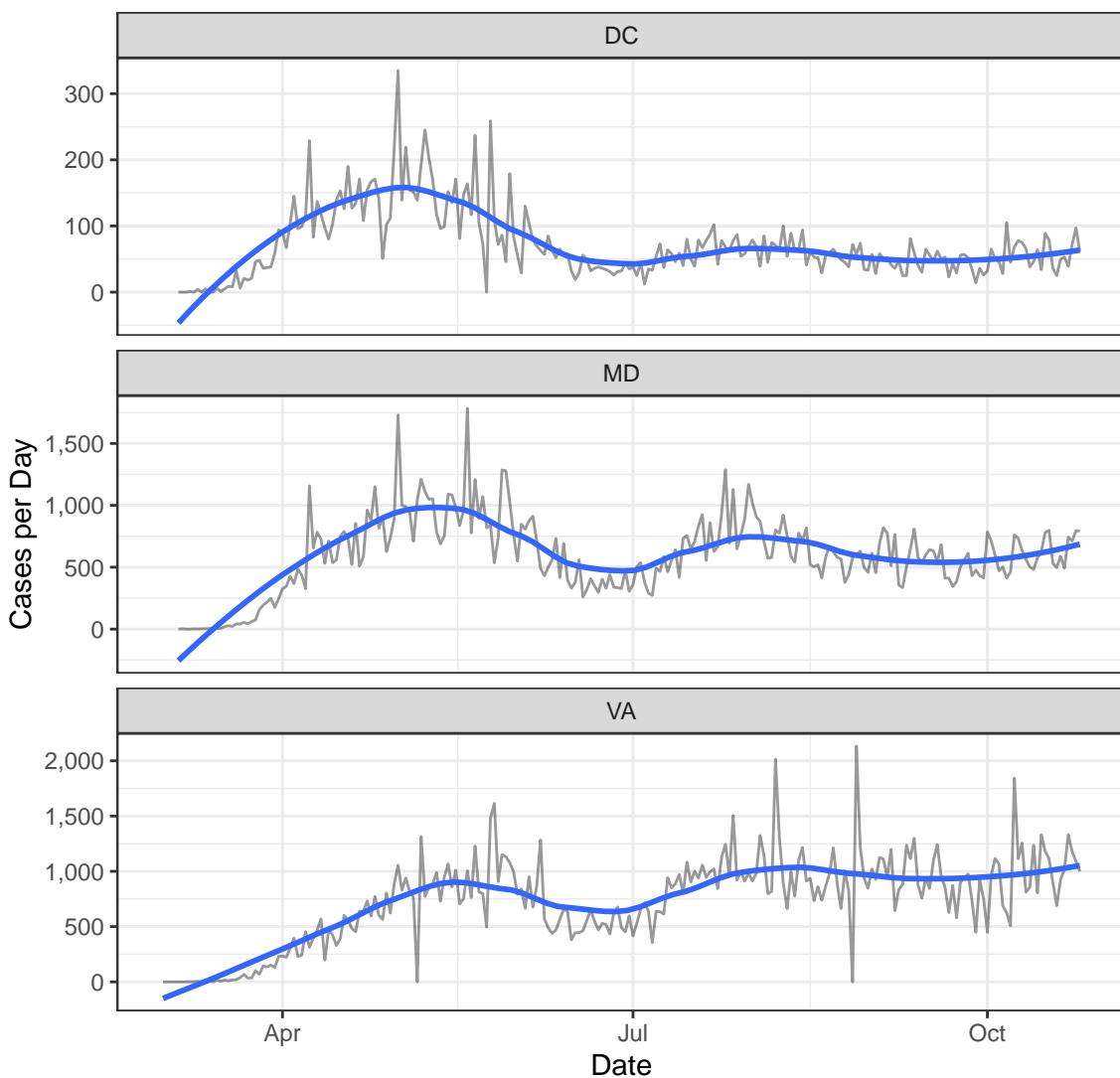




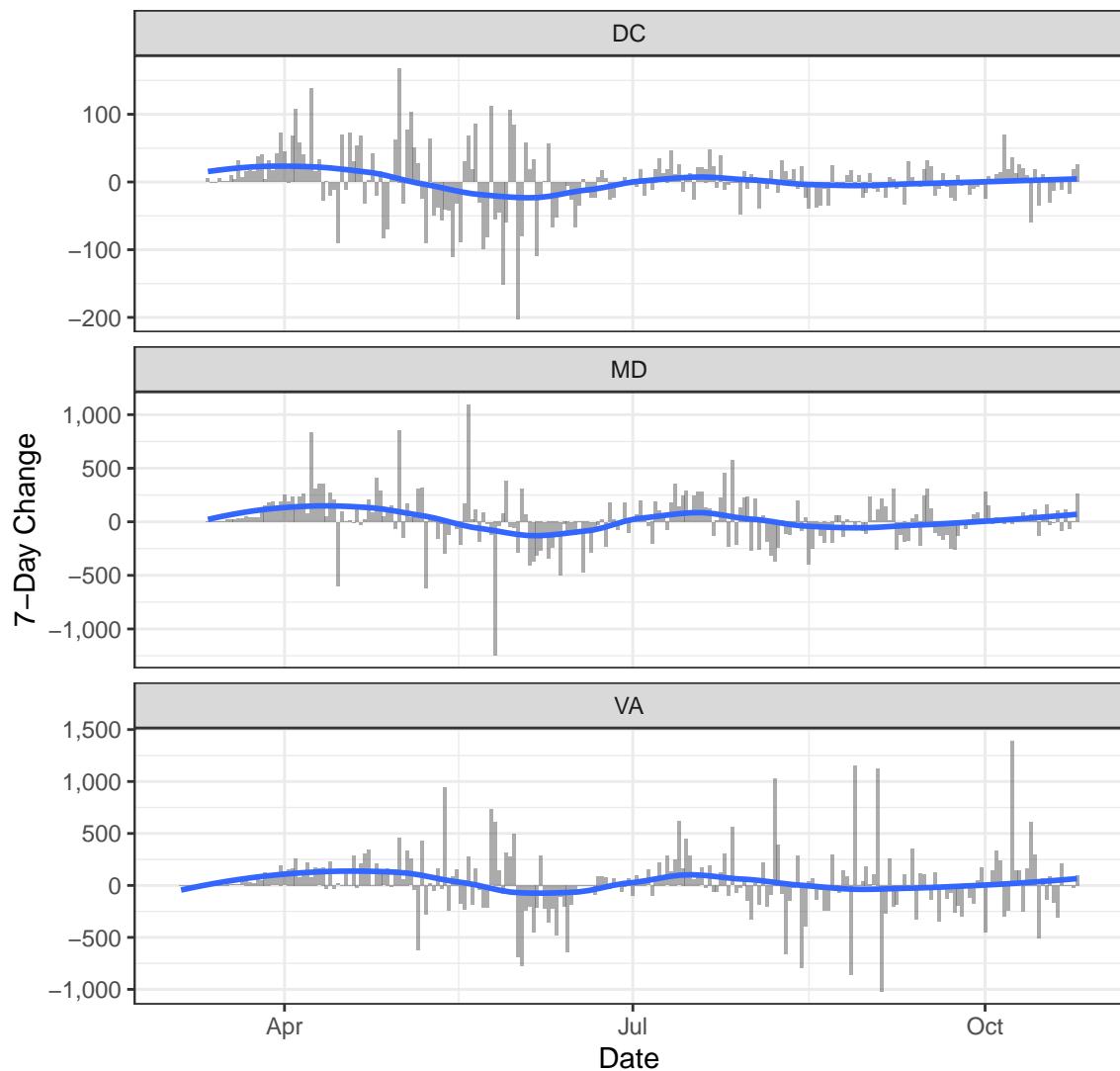
Cases

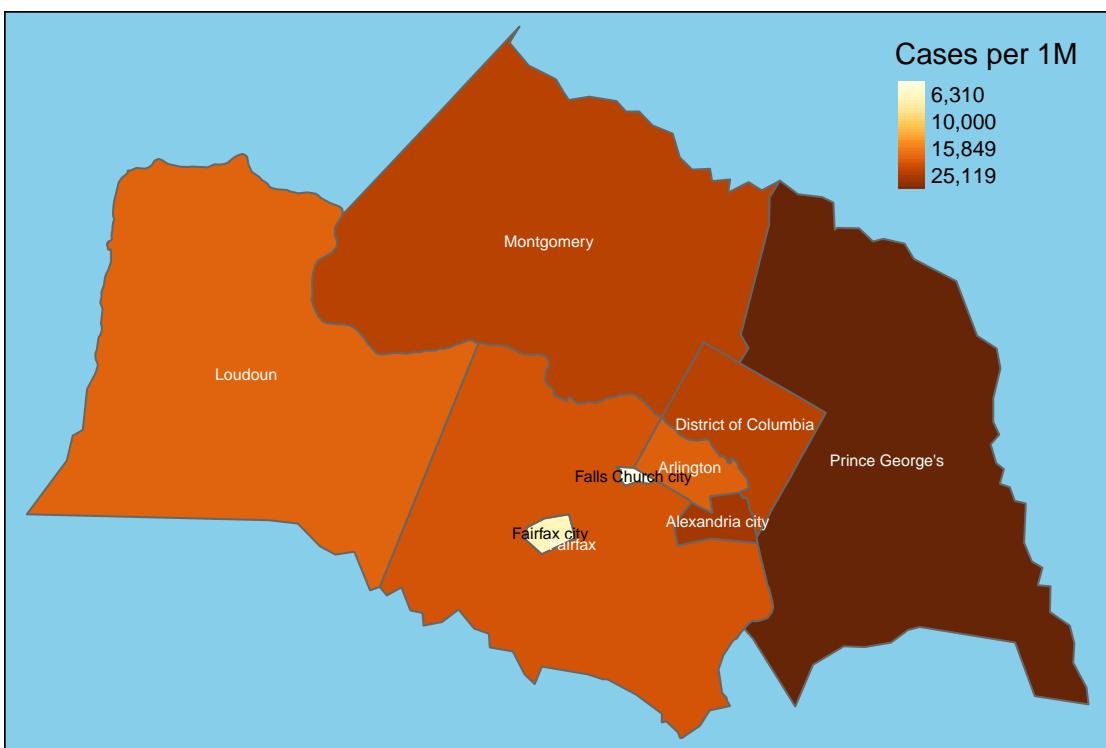
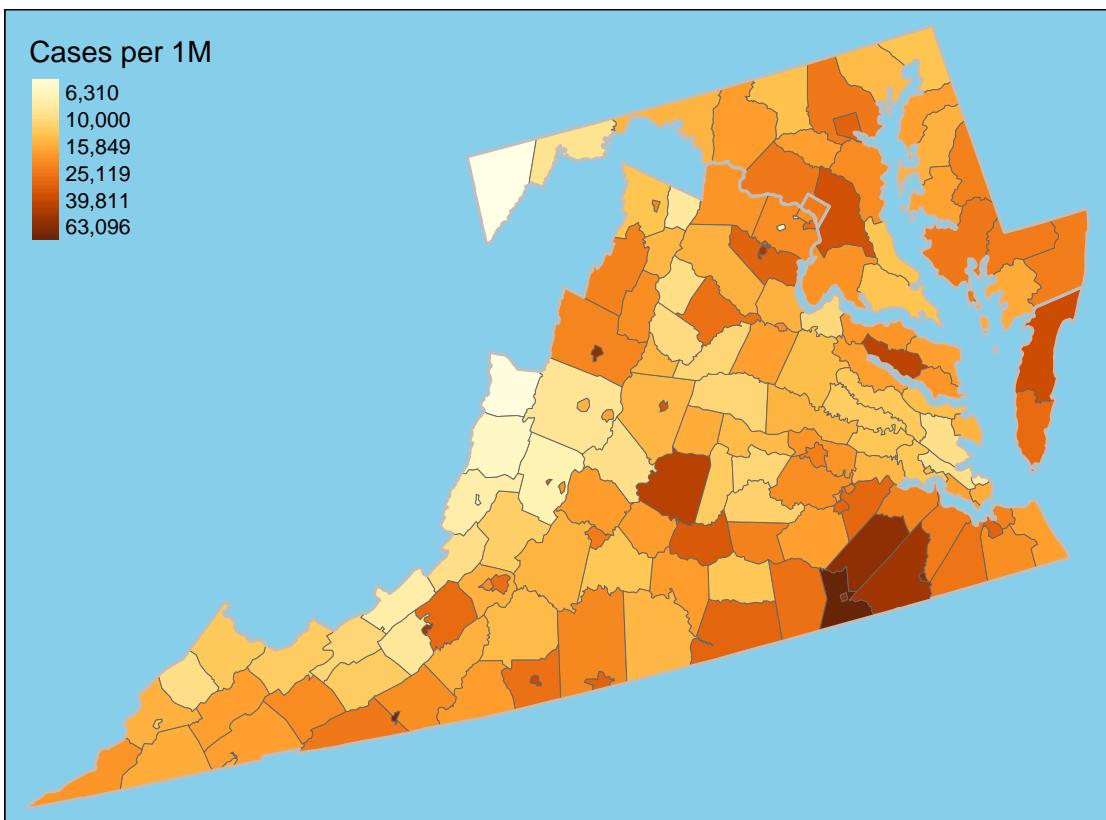


New Cases

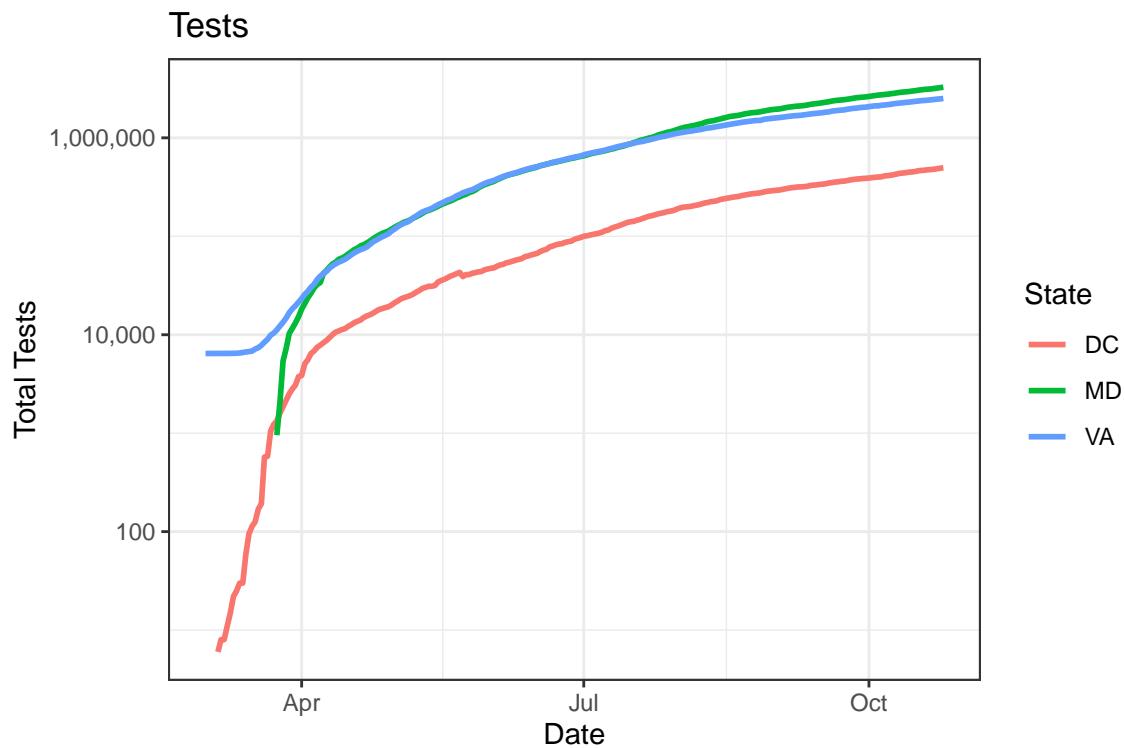


One-Week Change in Daily Cases

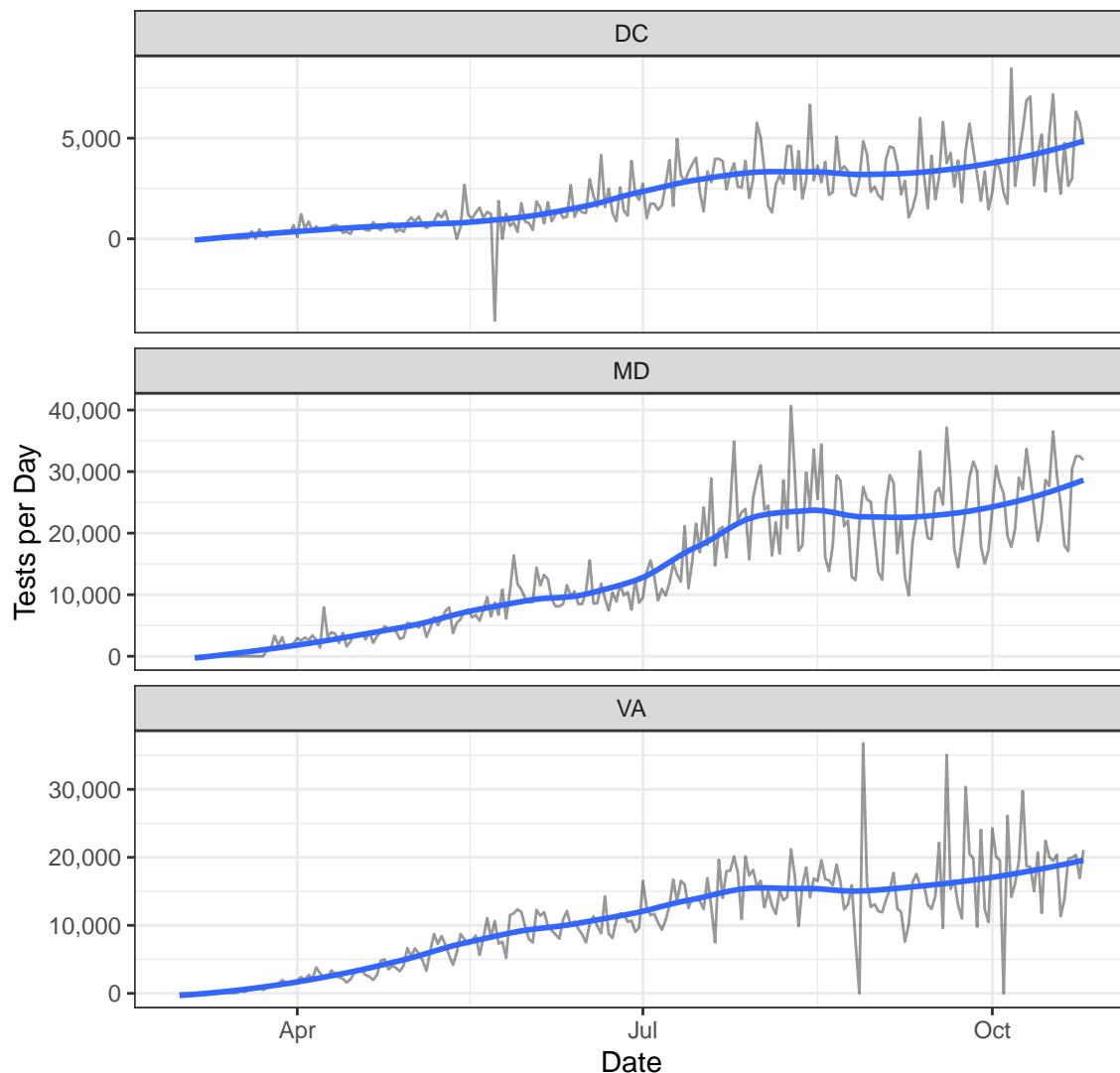




Testing



New Tests



Positive Test Rate

