

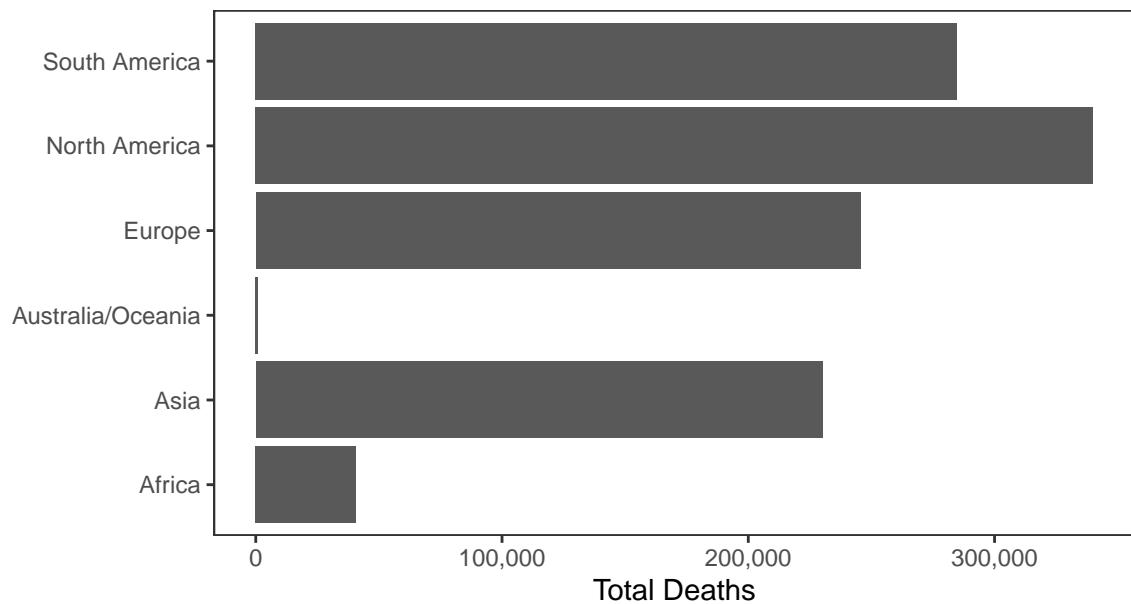
Erik's Covid-19 Chart Pack

Data updated 2020-10-23 17:49:34. 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 41,972,733 confirmed Covid-19 cases and 1,142,167 deaths worldwide.

Deaths



Cases

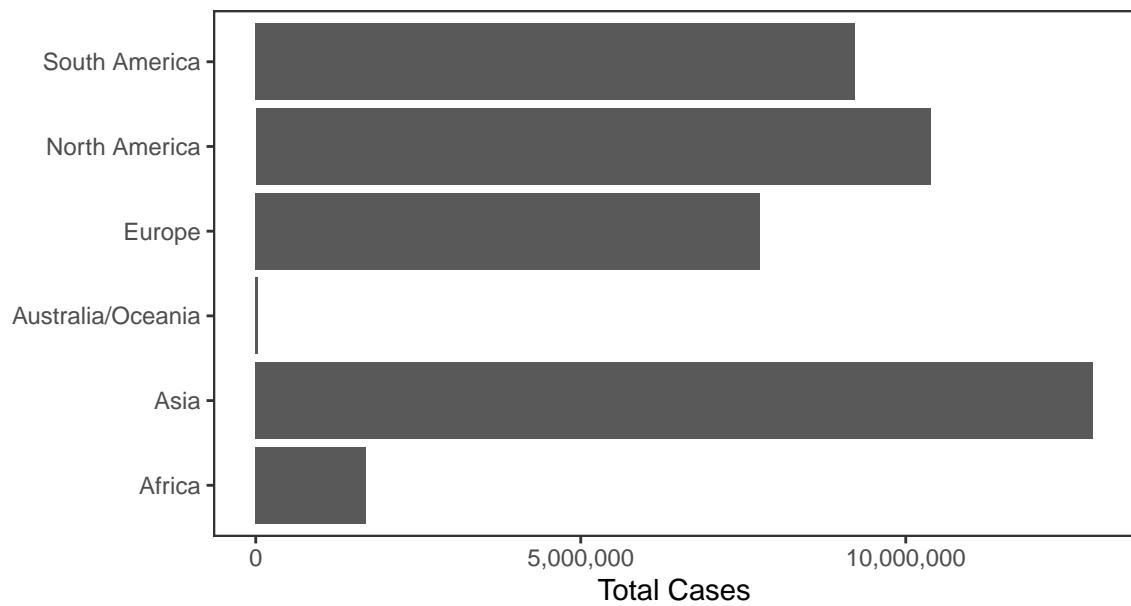
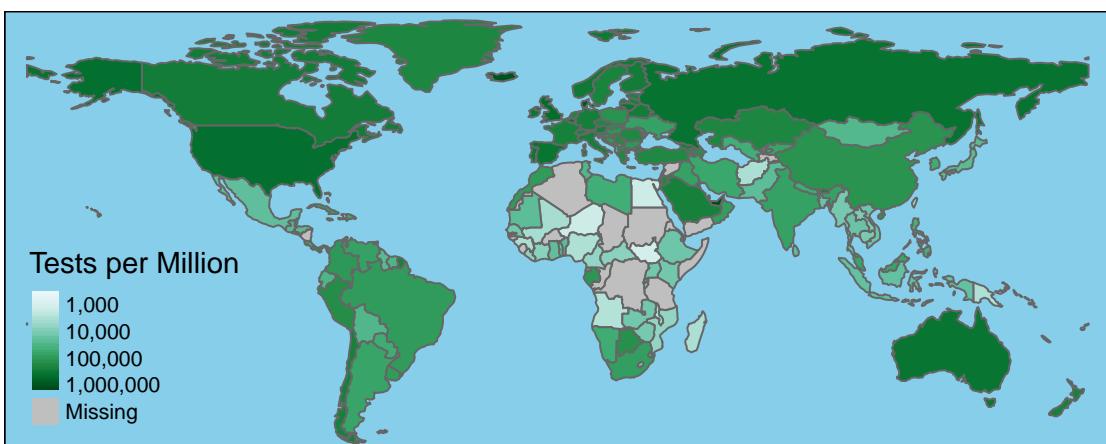
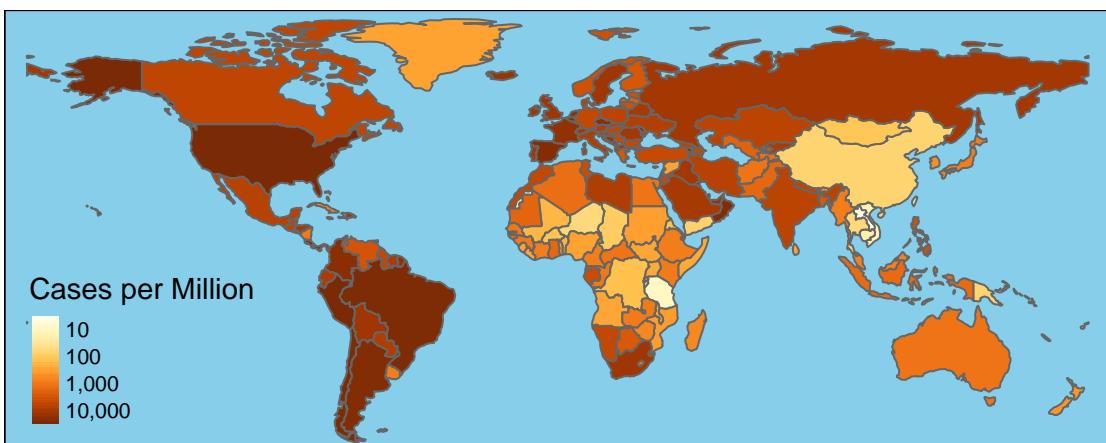
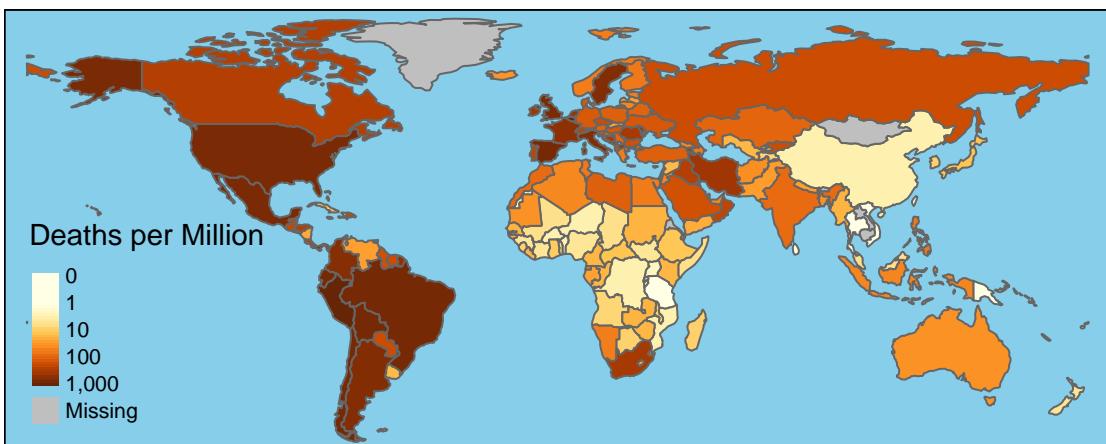


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	8,665,181	228,381	74,462	973
India	7,759,640	117,336	54,482	683
Brazil	5,332,634	155,962	31,985	503
Russia	1,463,306	25,242	15,971	290
Spain	1,090,521	34,521	20,986	155
Argentina	1,053,650	27,957	16,325	438
France	999,043	34,210	41,622	162
Colombia	990,270	29,636	8,570	172
Peru	879,876	33,984	2,991	47
Mexico	867,559	87,415	6,845	522
UK	810,468	44,347	21,243	189
South Africa	710,515	18,843	2,156	102
Iran	550,757	31,650	5,471	304
Chile	497,131	13,792	1,494	73
Italy	465,726	36,968	16,079	136
Iraq	442,164	10,465	3,899	47
Germany	403,874	10,044	12,519	45
Bangladesh	394,827	5,747	1,696	24
Indonesia	377,541	12,959	4,432	102
Philippines	363,876	6,783	1,652	38



National Data

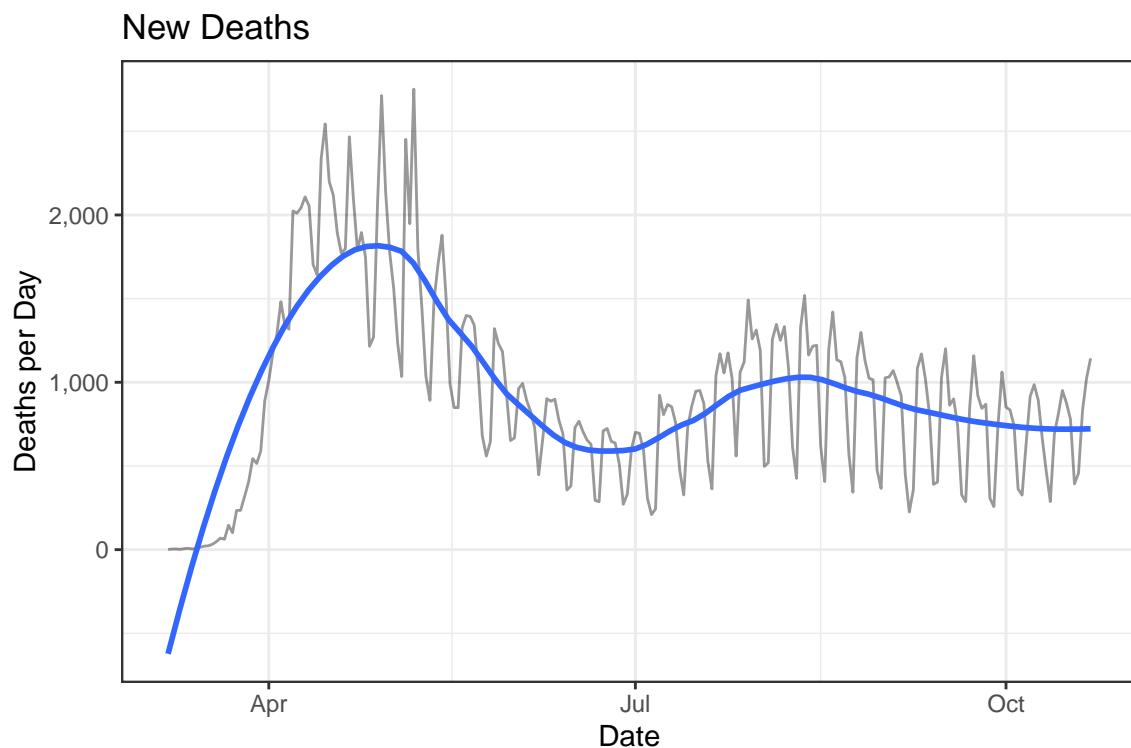
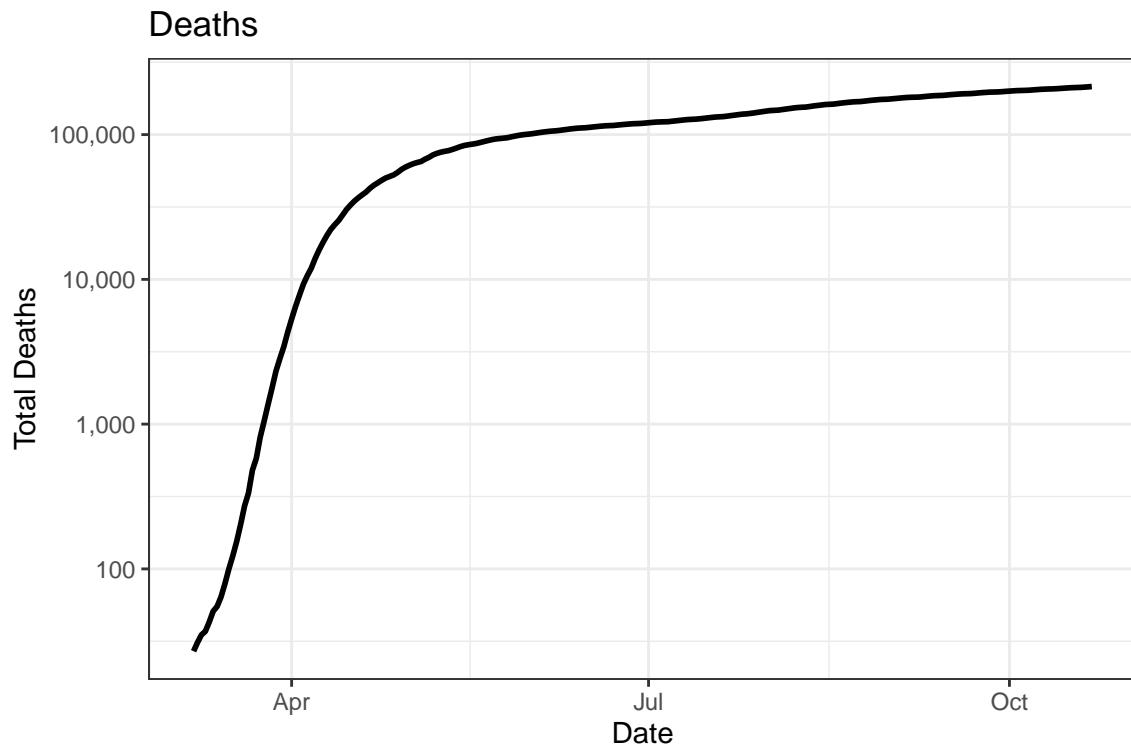
There have been 8,366,221 confirmed Covid-19 cases and 214,845 deaths in the United States.

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

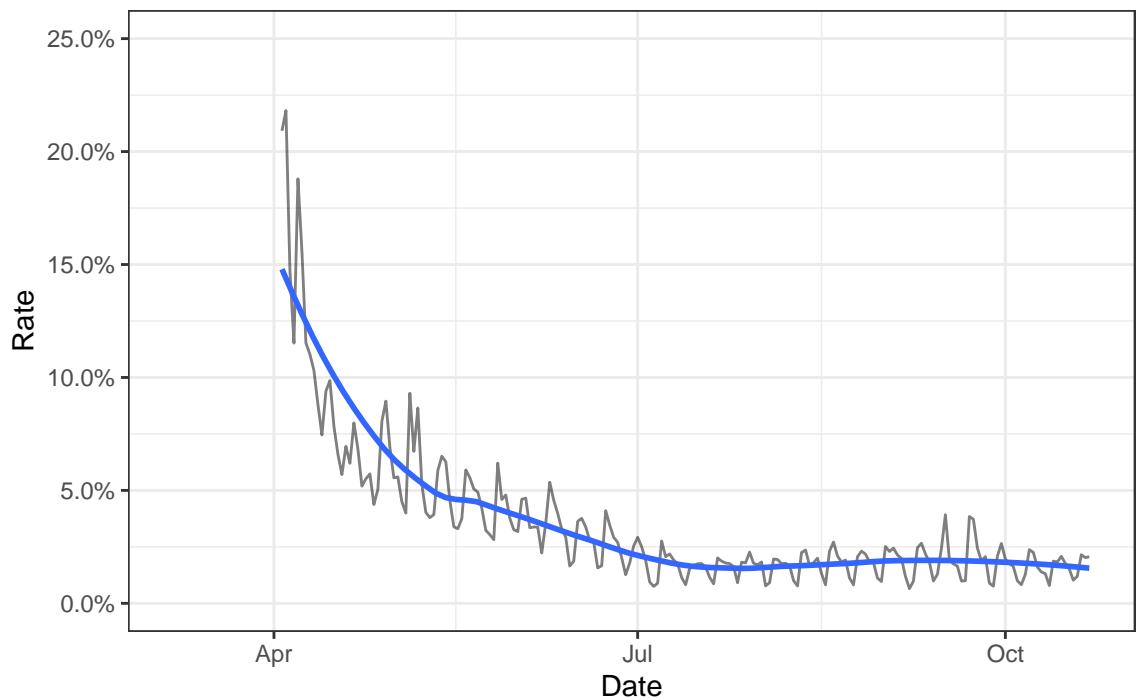
Date	Cases	Deaths	New Cases	New Deaths
2020-10-22	8,366,221	214,845	75,248	1,143
2020-10-21	8,290,973	213,702	58,606	1,024
2020-10-20	8,232,367	212,678	60,664	832
2020-10-19	8,171,703	211,846	57,148	456
2020-10-18	8,114,555	211,390	48,922	393
2020-10-17	8,065,633	210,997	57,943	780
2020-10-16	8,007,690	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
2020-10-11	7,728,086	206,601	46,946	466
2020-10-10	7,681,140	206,135	57,492	665
2020-10-09	7,623,648	205,470	57,060	893

Deaths

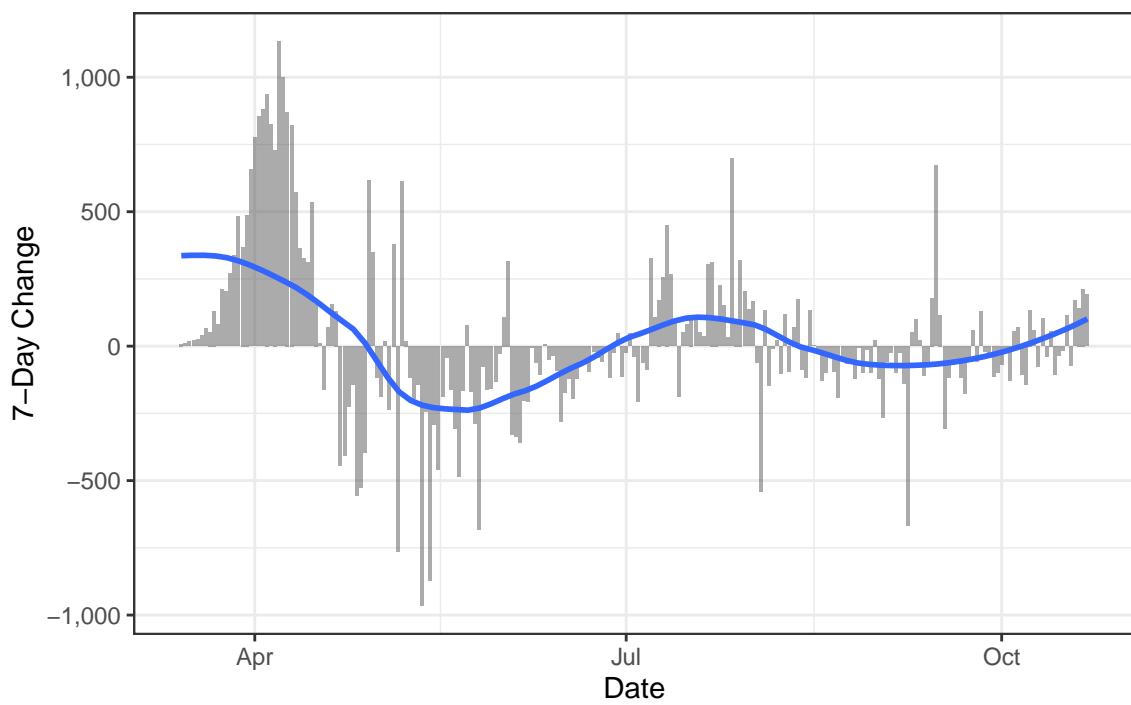
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

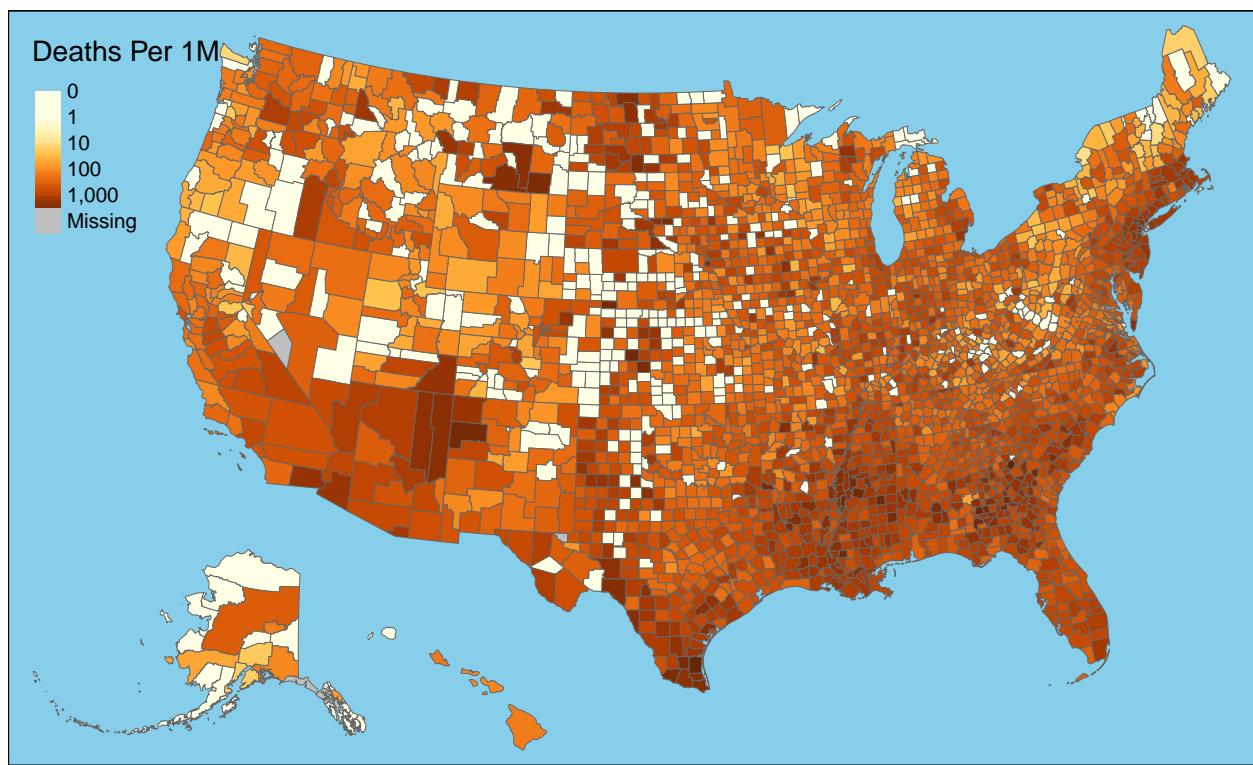


Daily Case Mortality Rate



One-Week Change in Daily Deaths

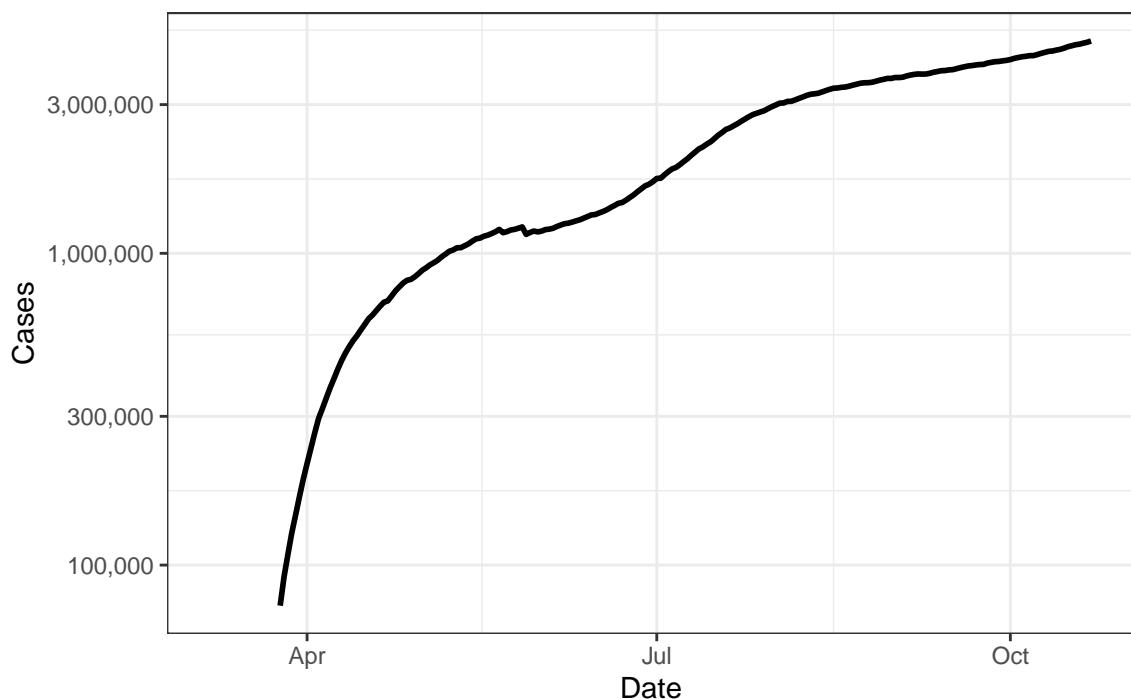




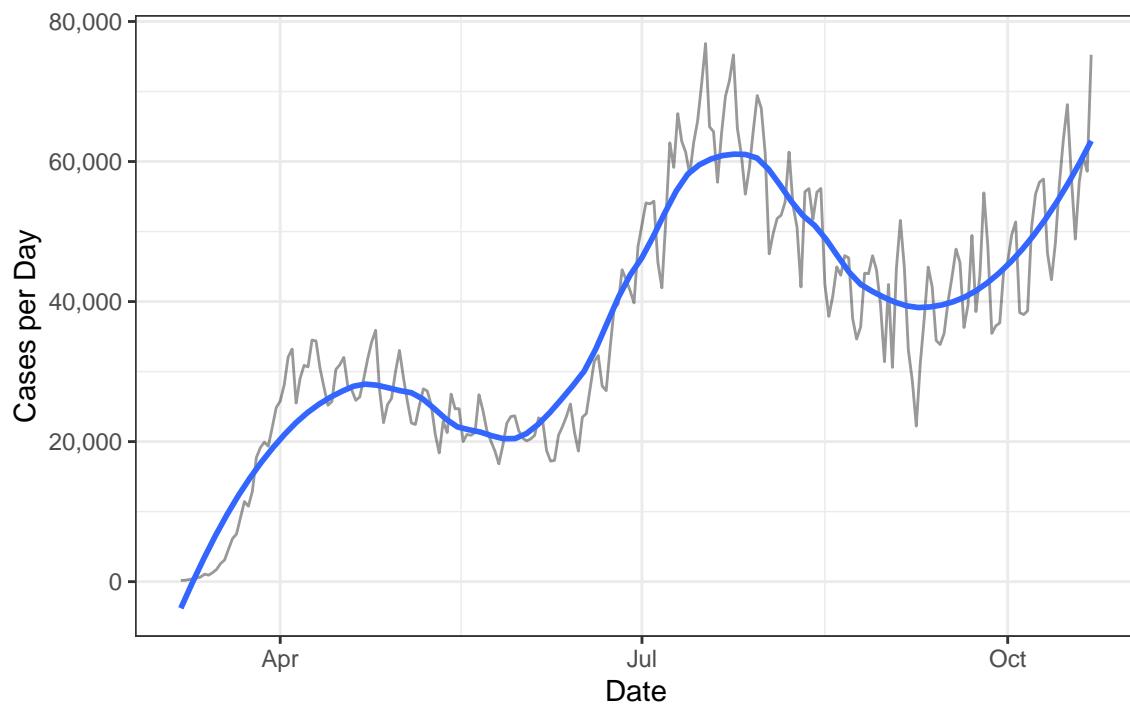
Cases

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

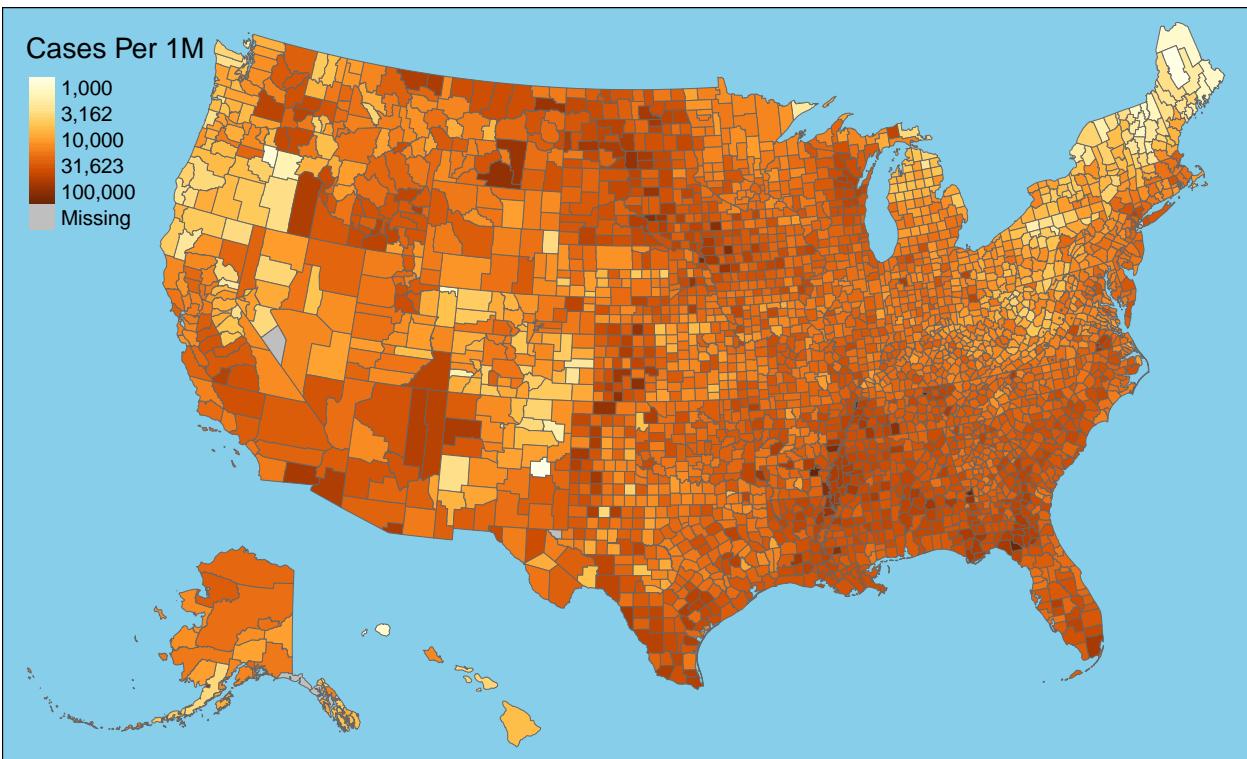
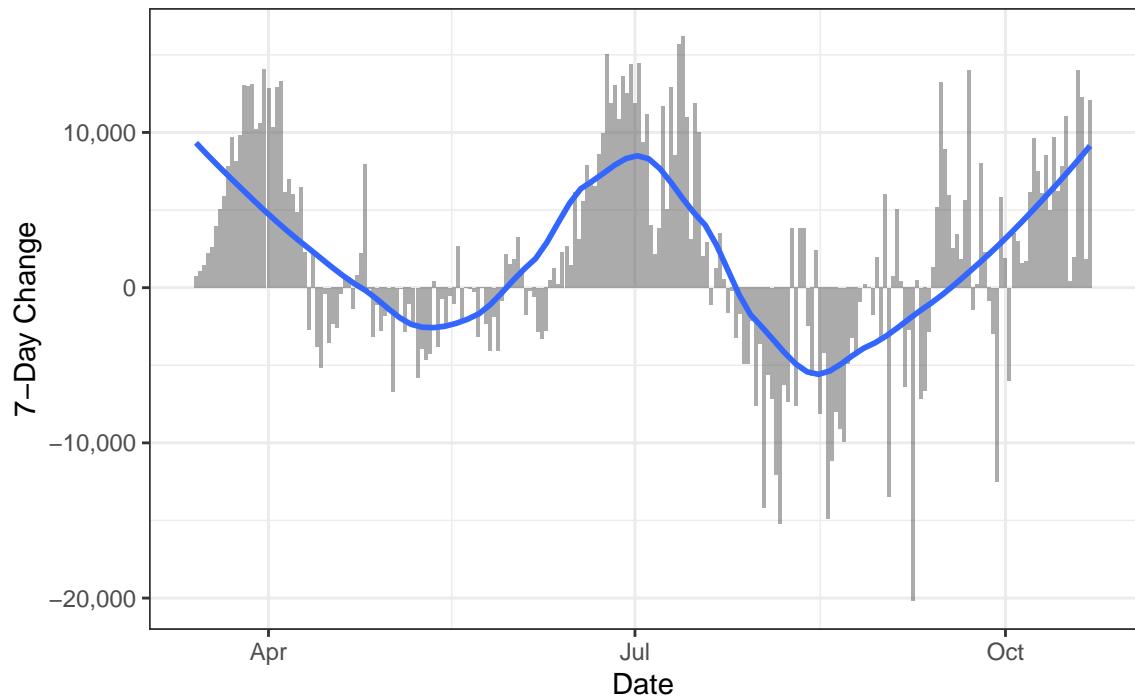
Active Cases



New Cases

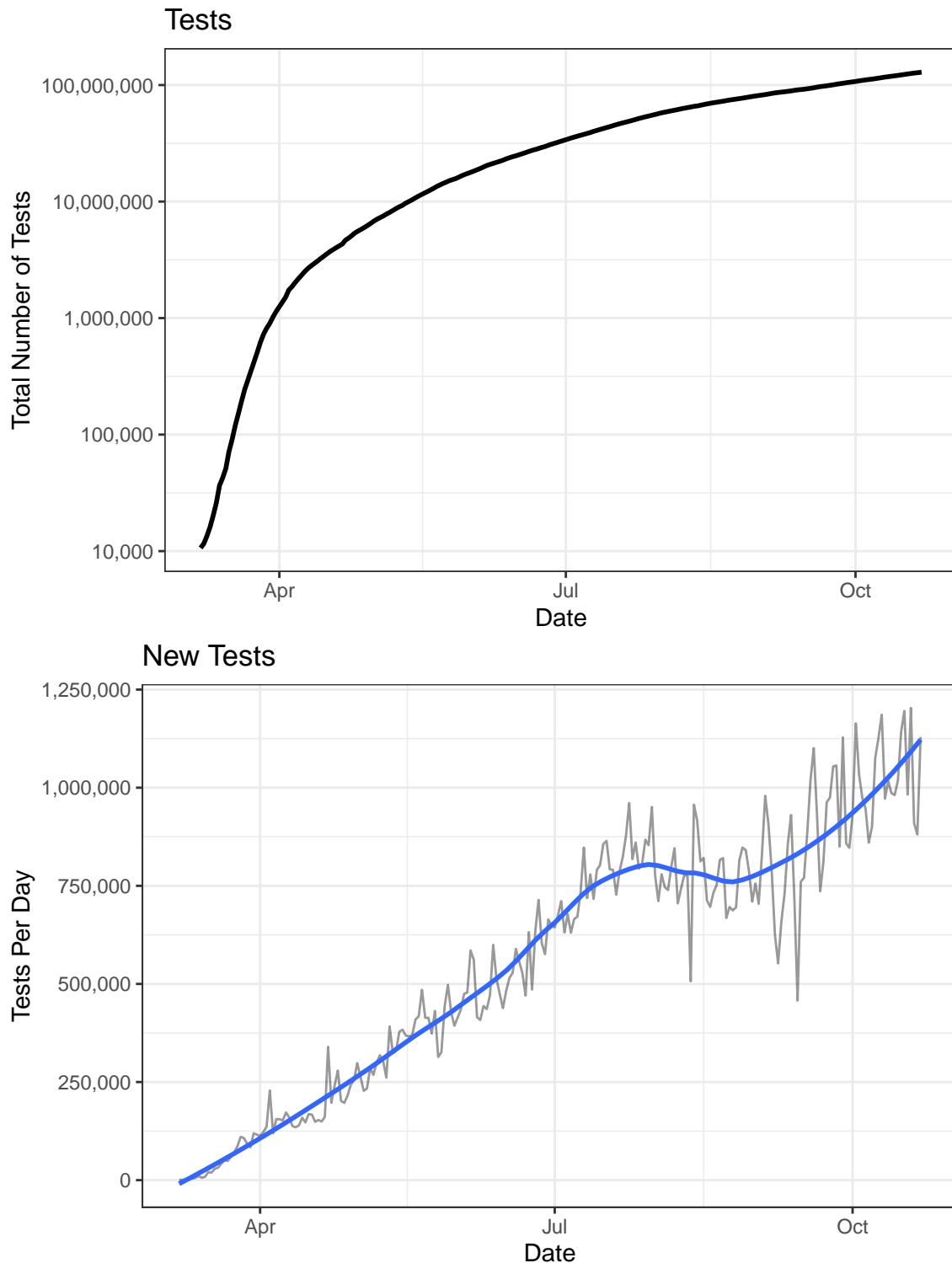


One-Week Change in Daily Cases

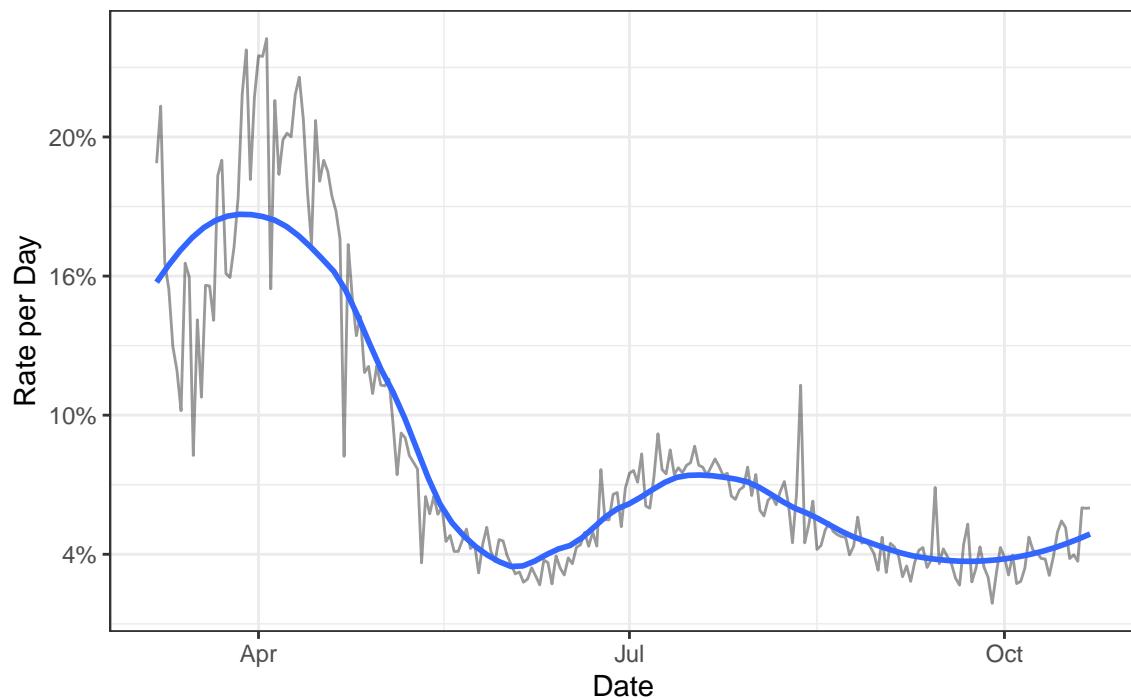


Testing

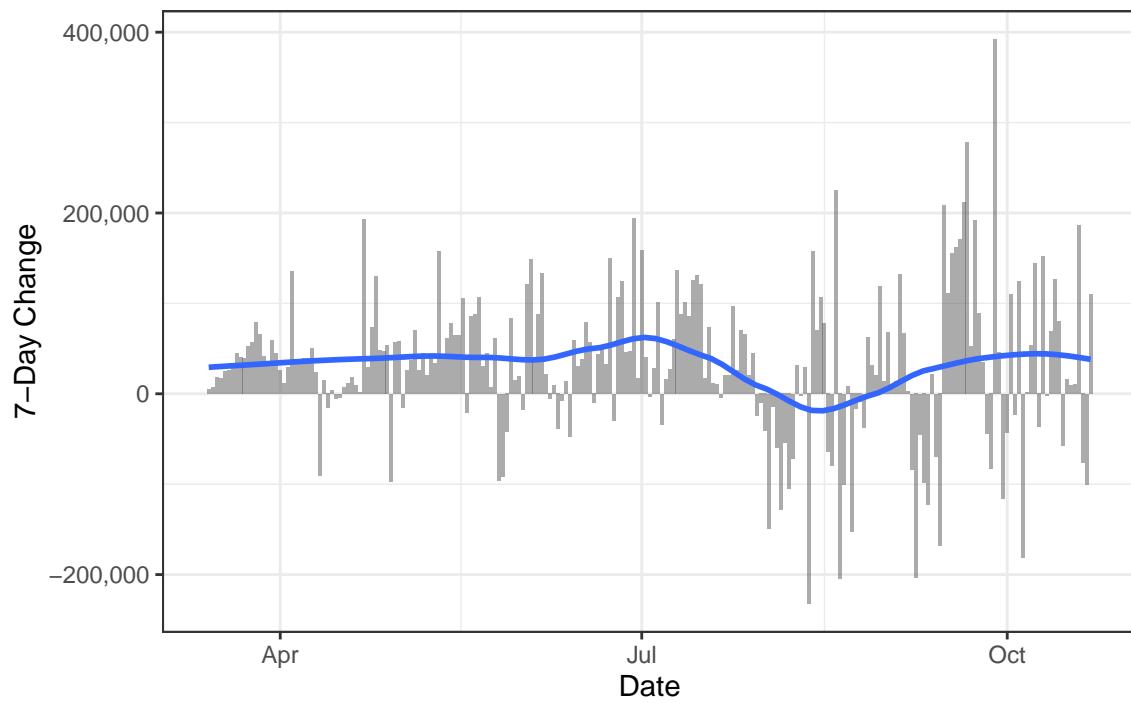
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



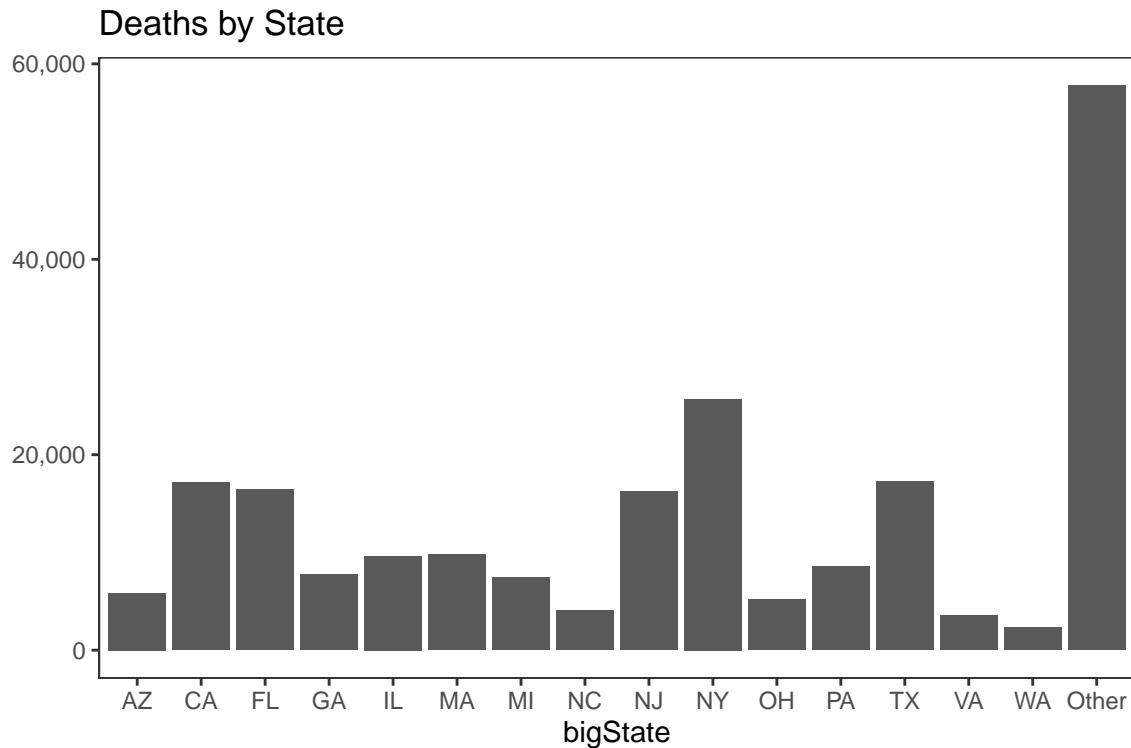
One-Week Change in Daily Tests



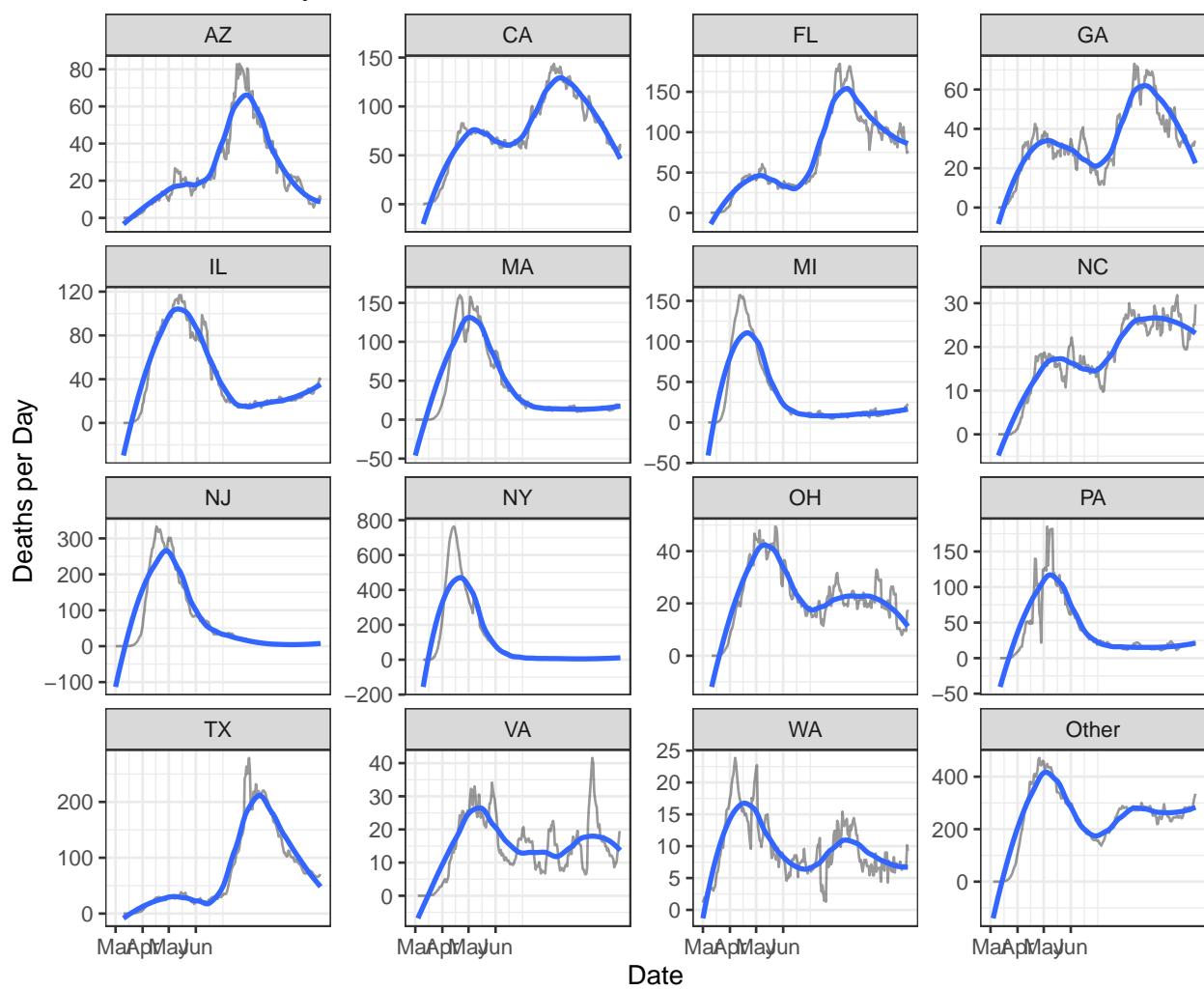
State Data

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.

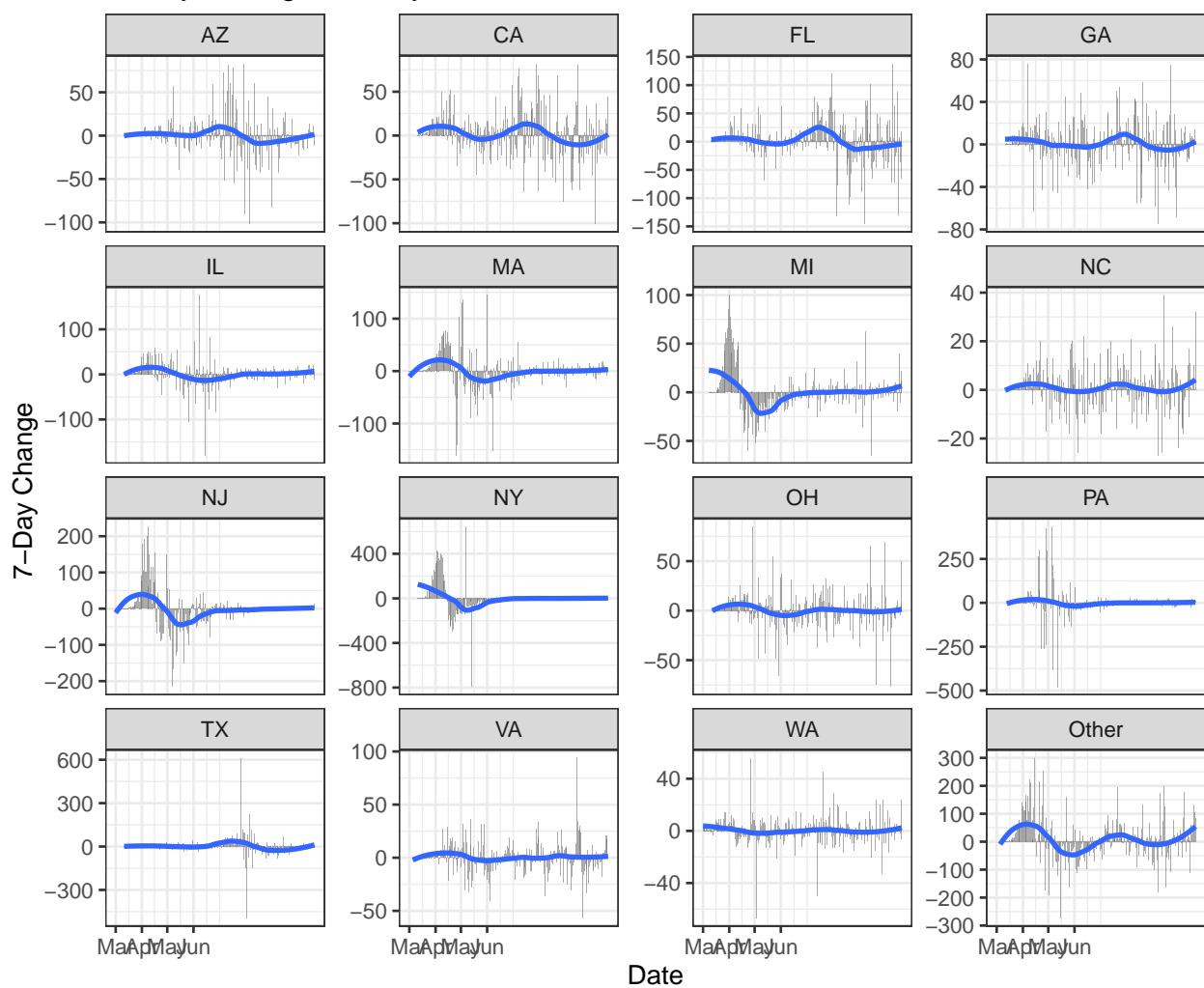
Deaths

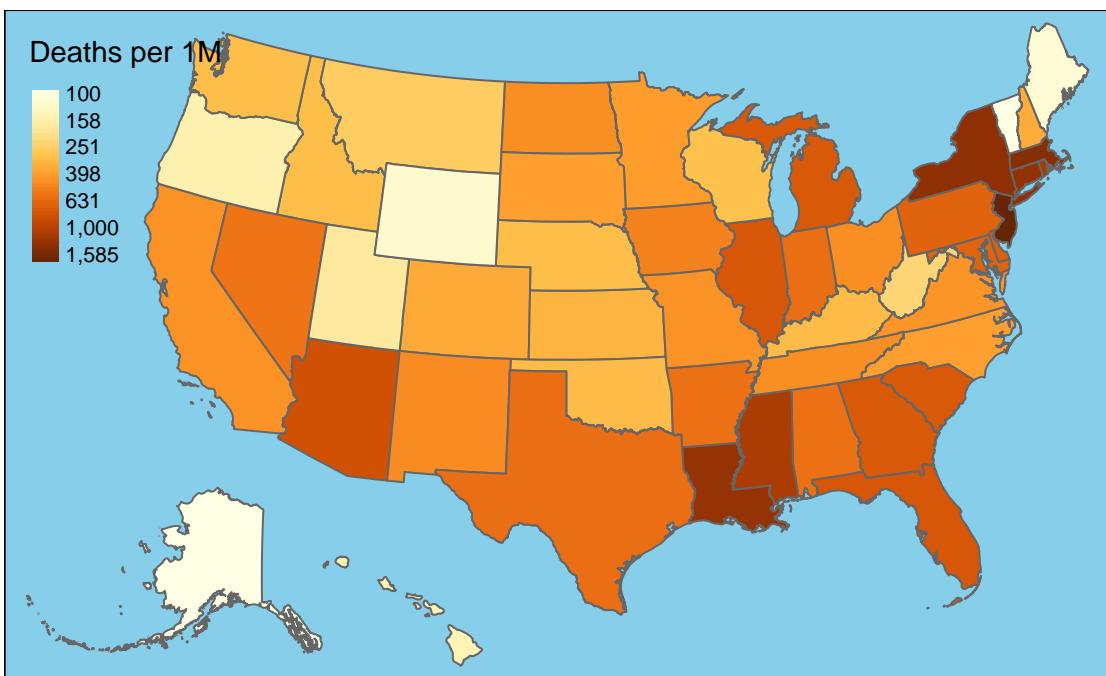
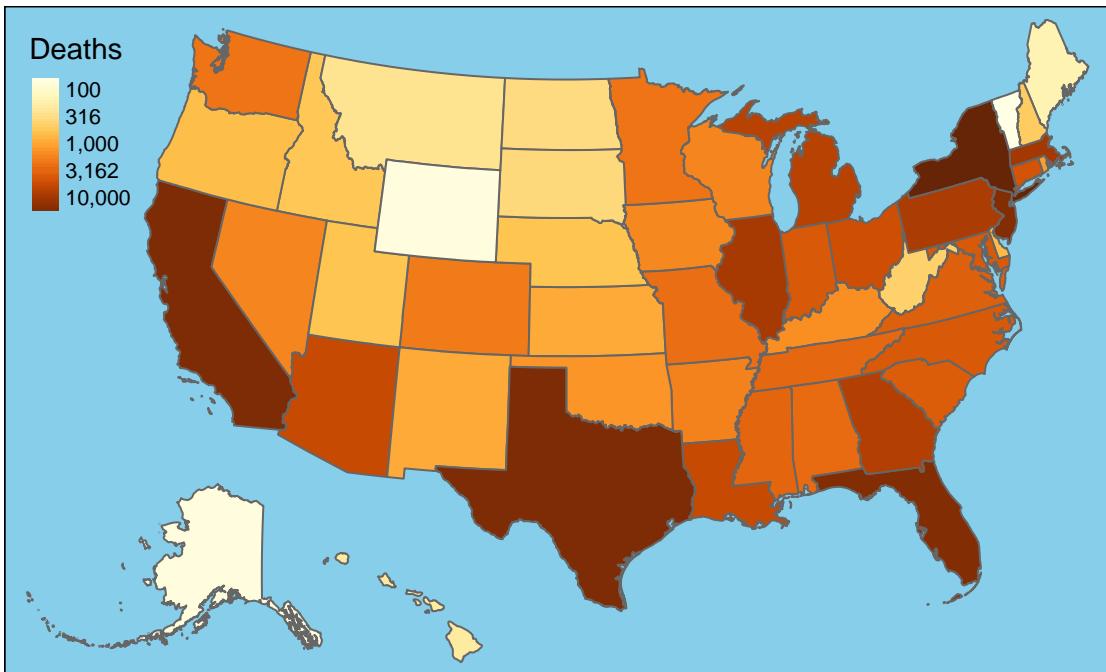


New Deaths by State



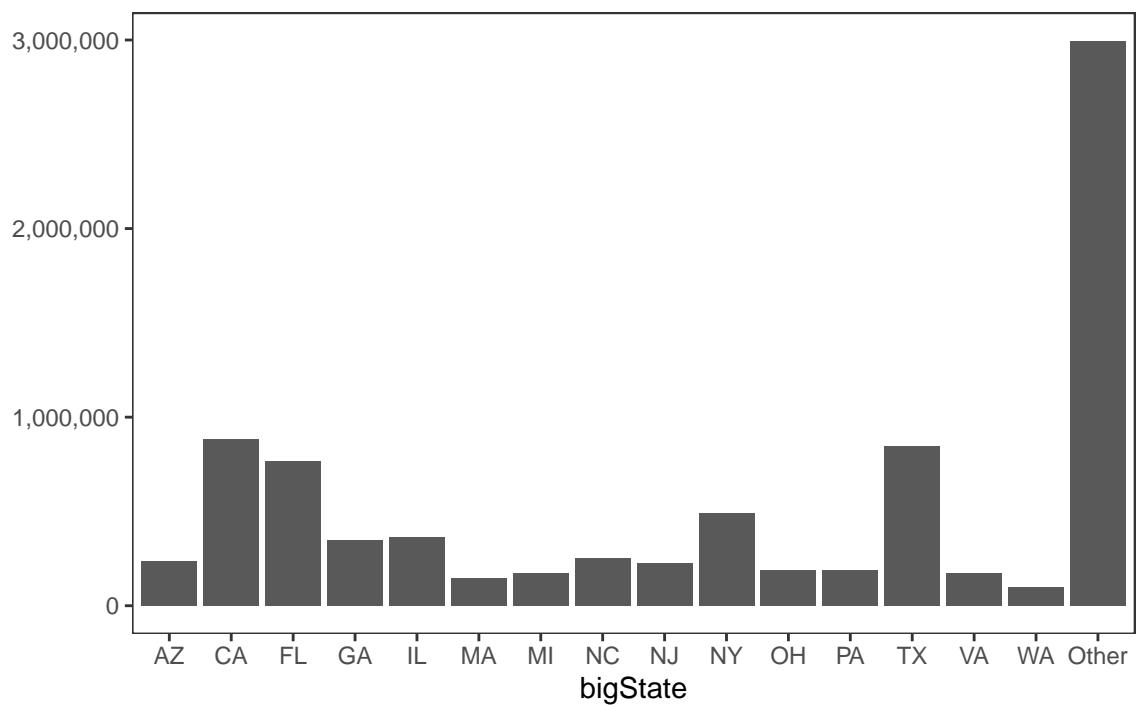
7-Day Change in Daily Deaths



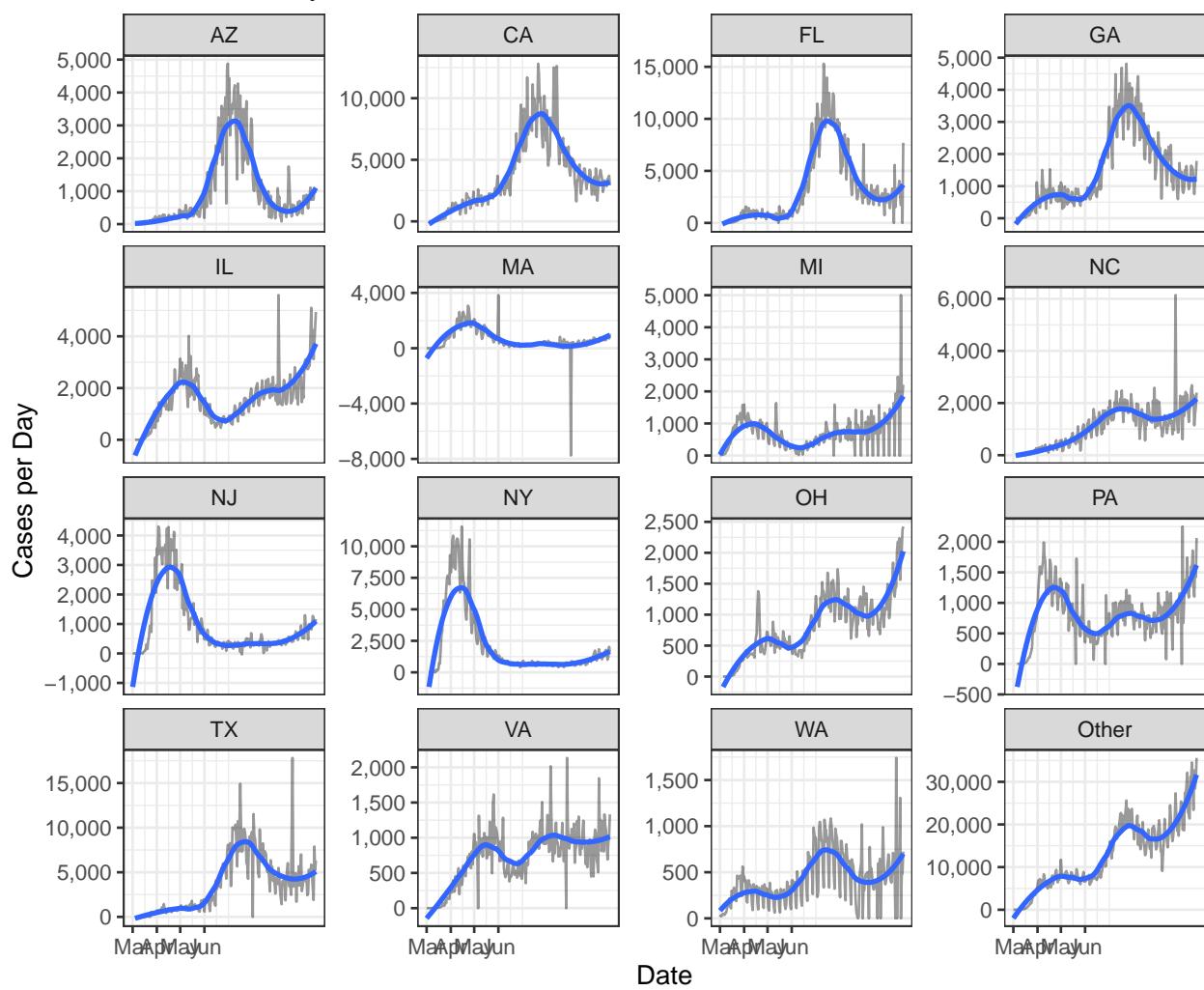


Cases

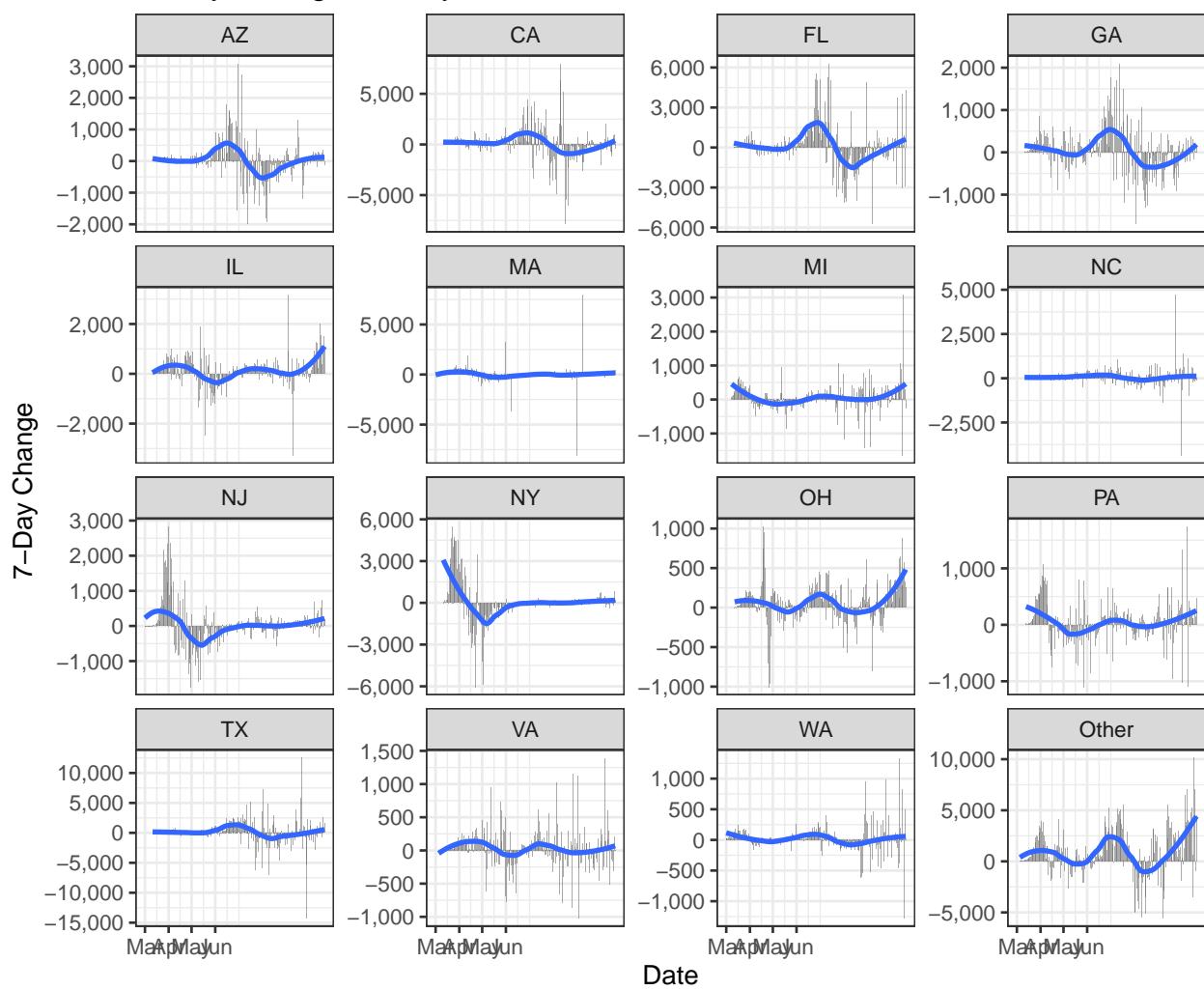
Cases by State

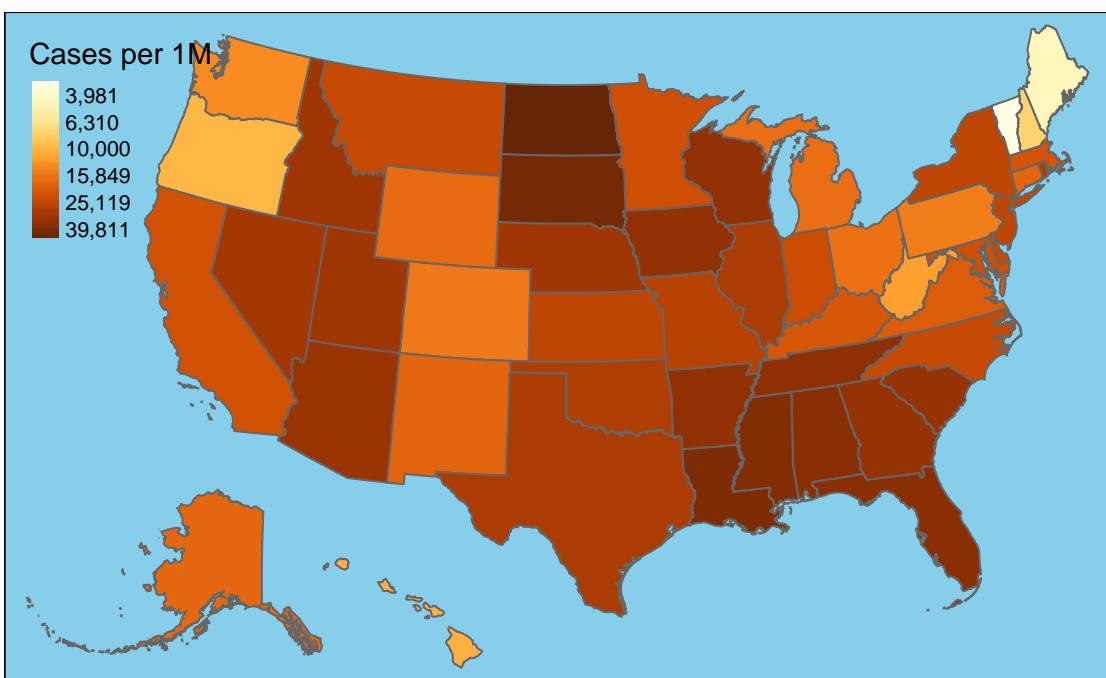
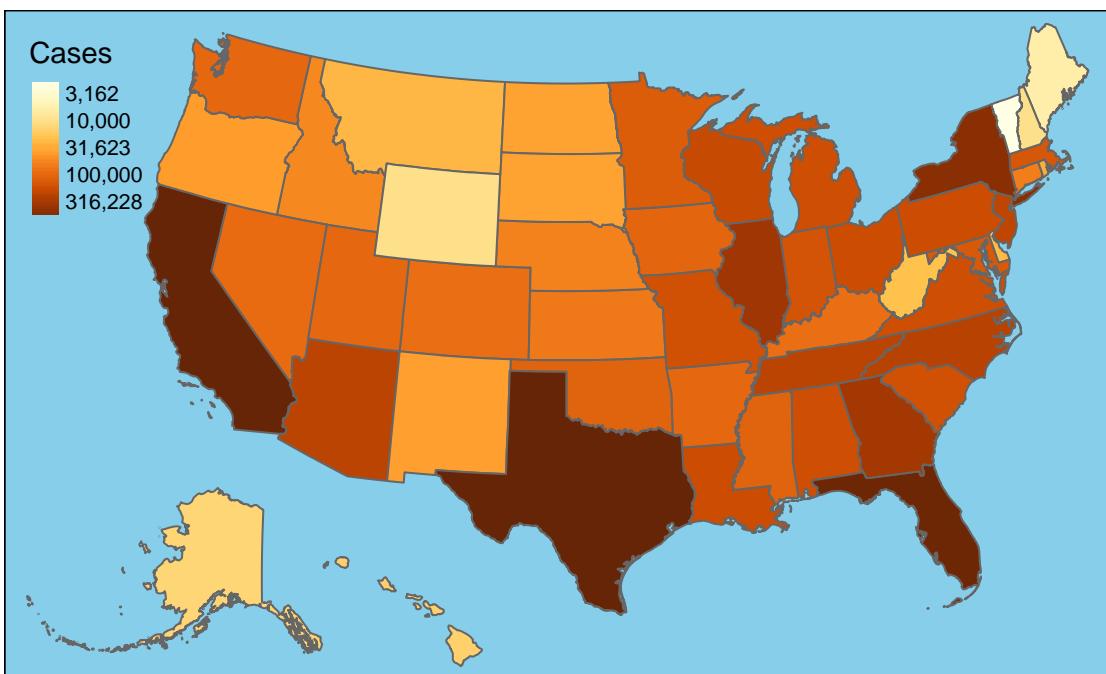


New Cases by State

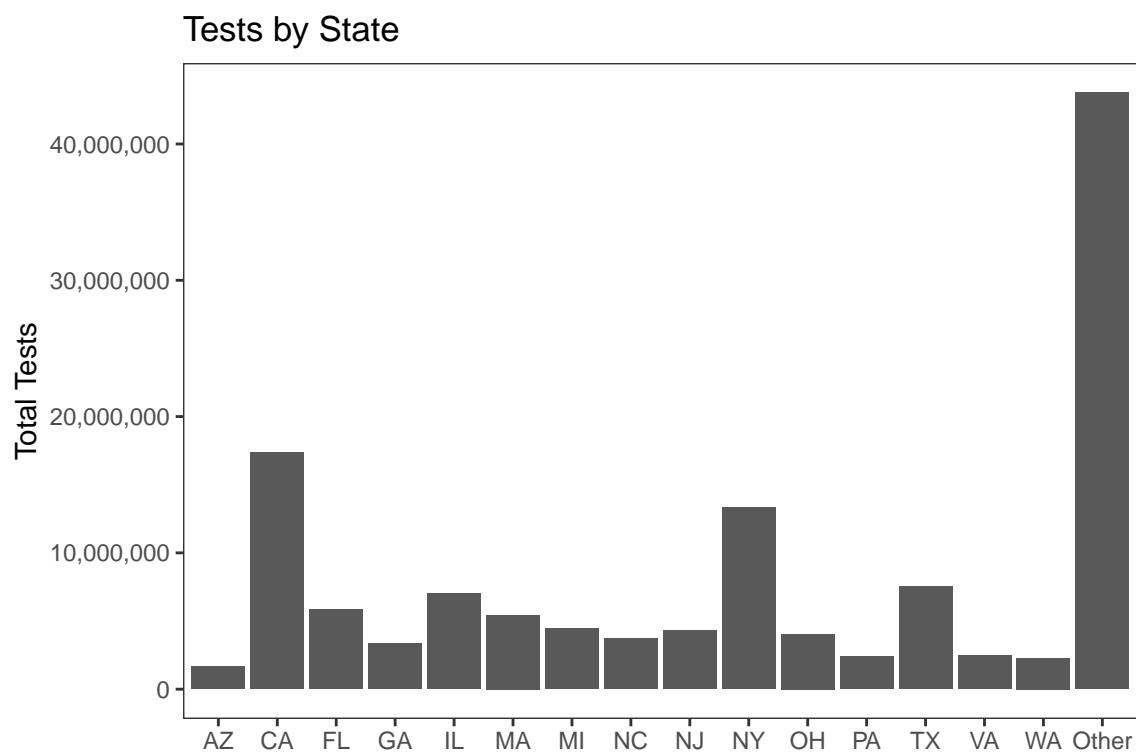


7-Day Change in Daily Cases

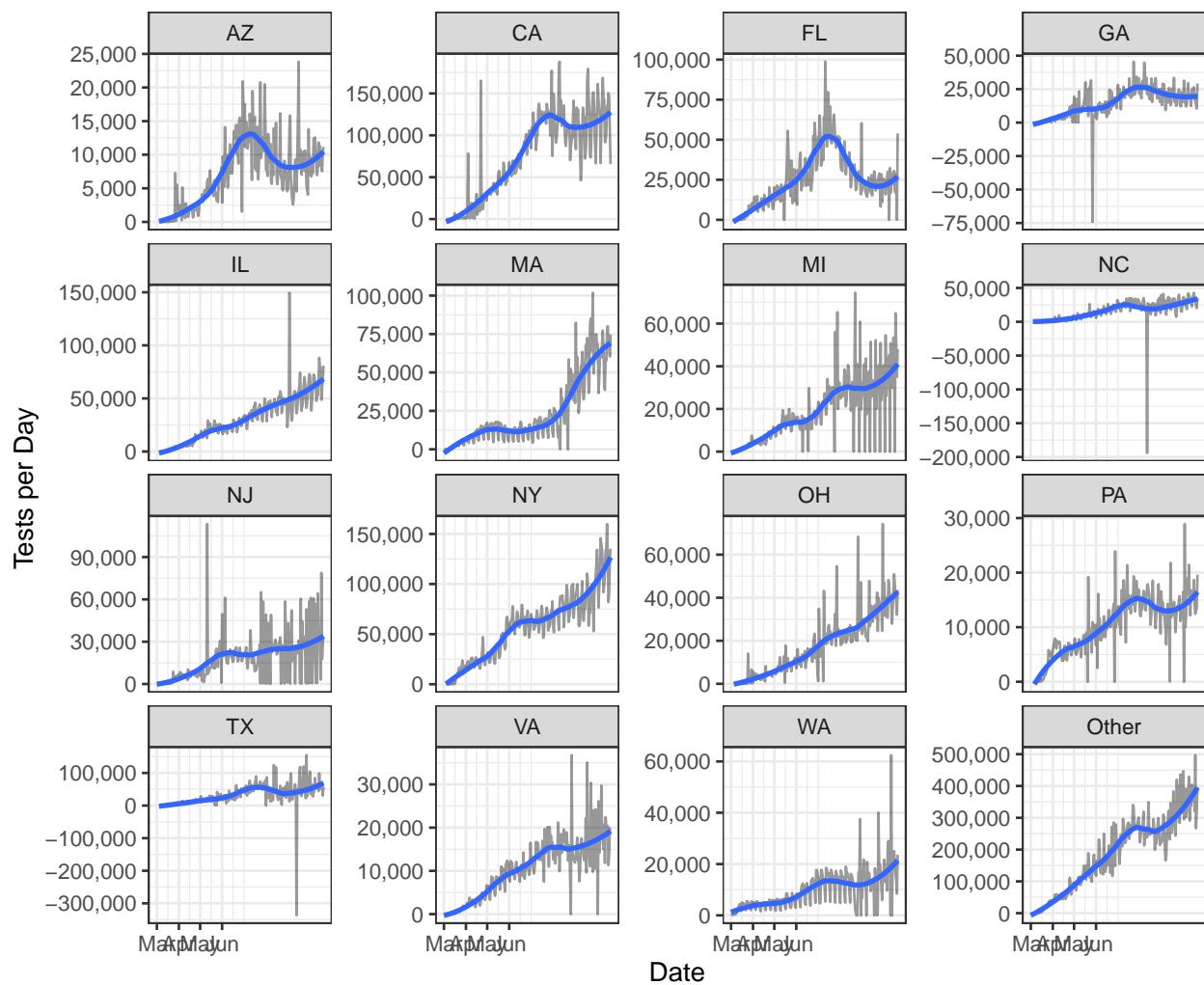


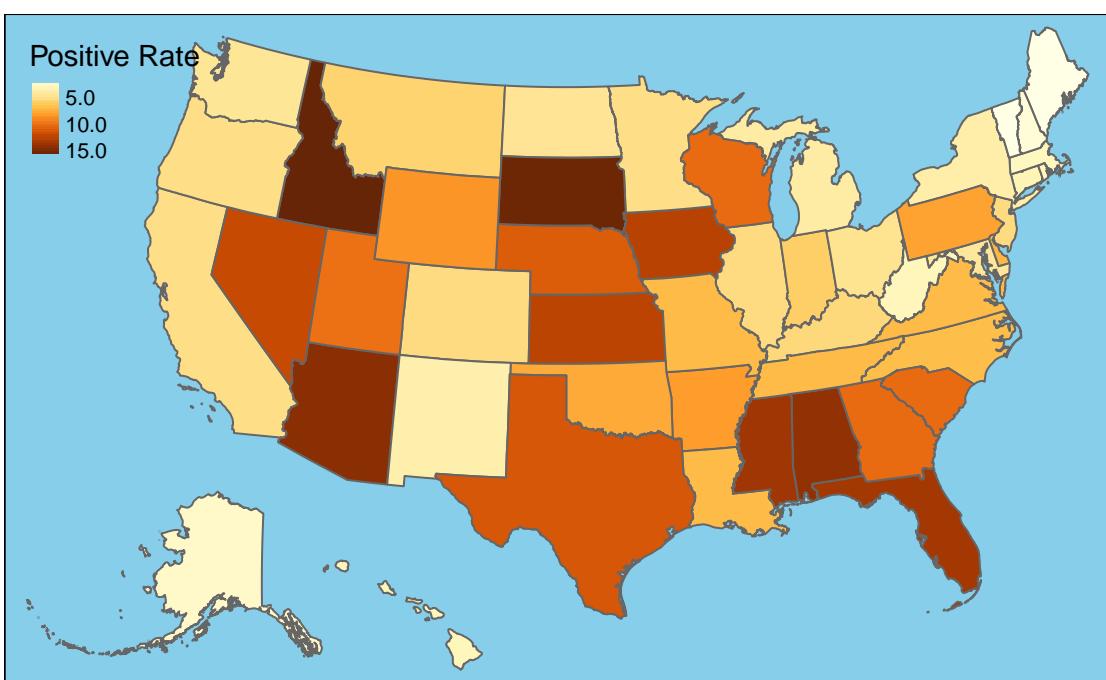
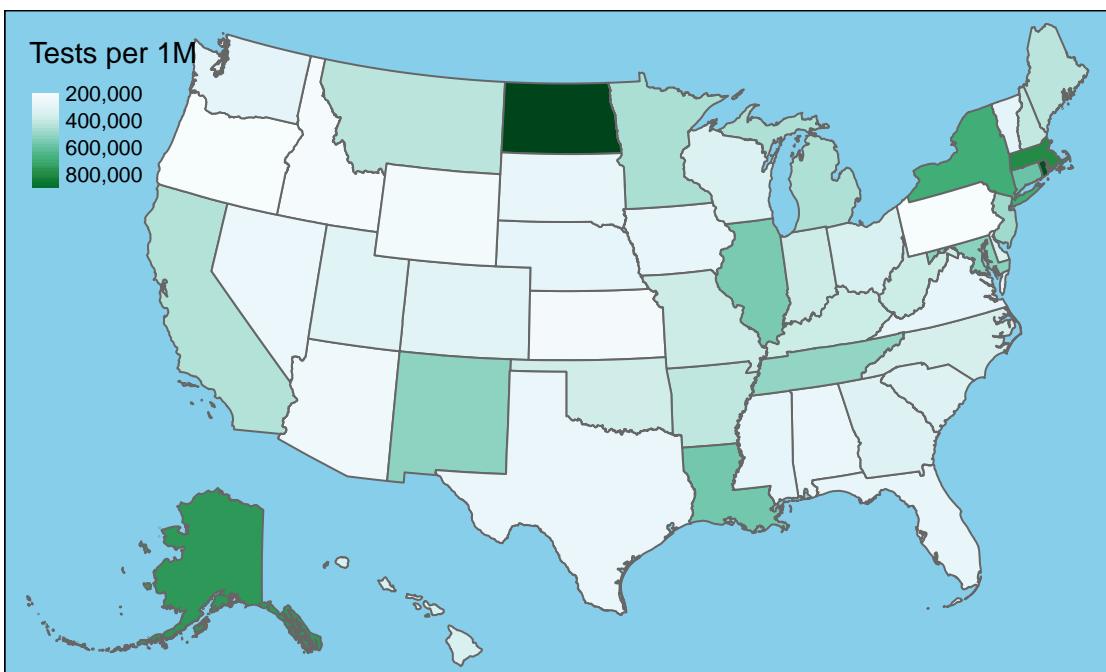


Testing



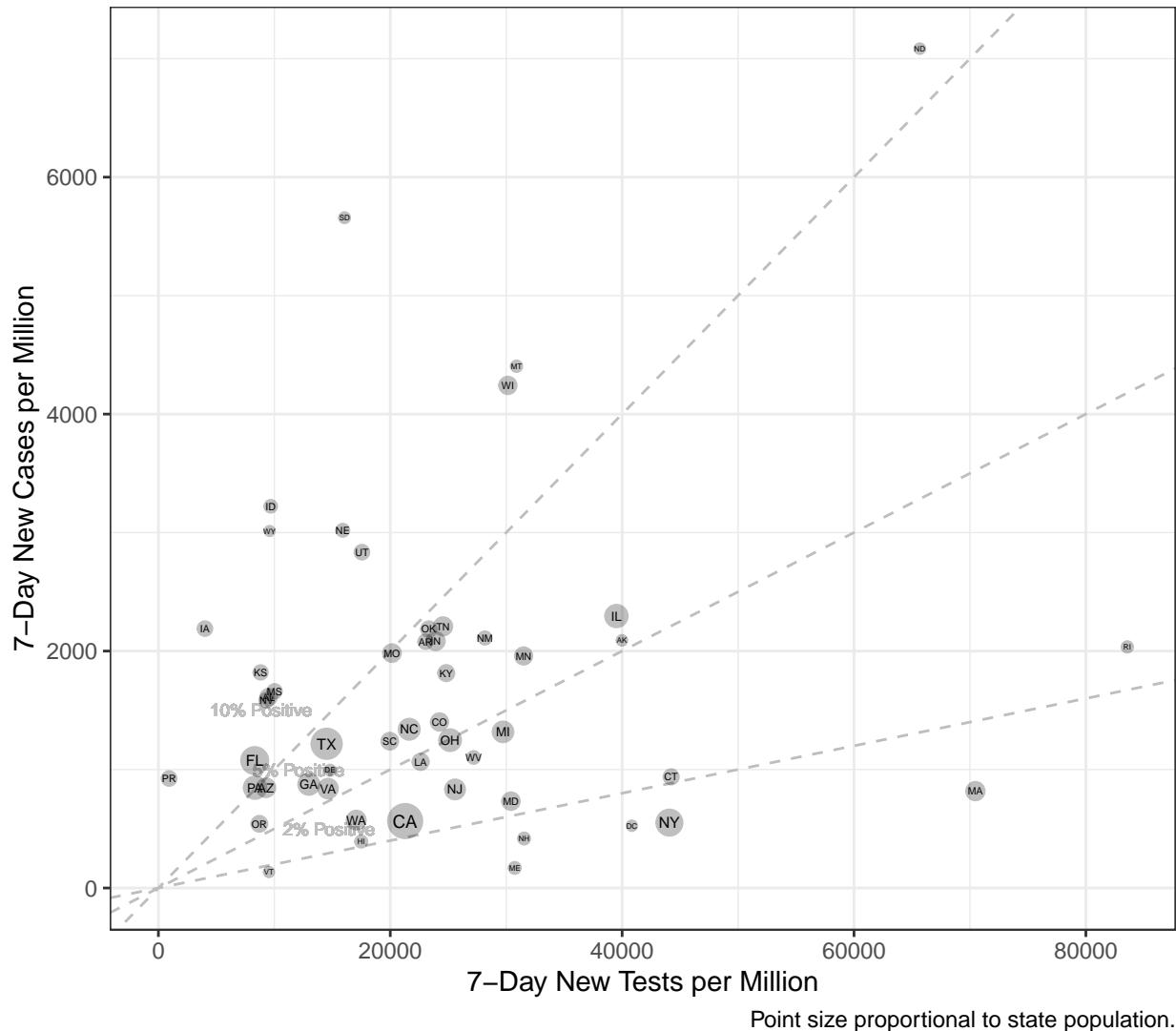
New Tests by State





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



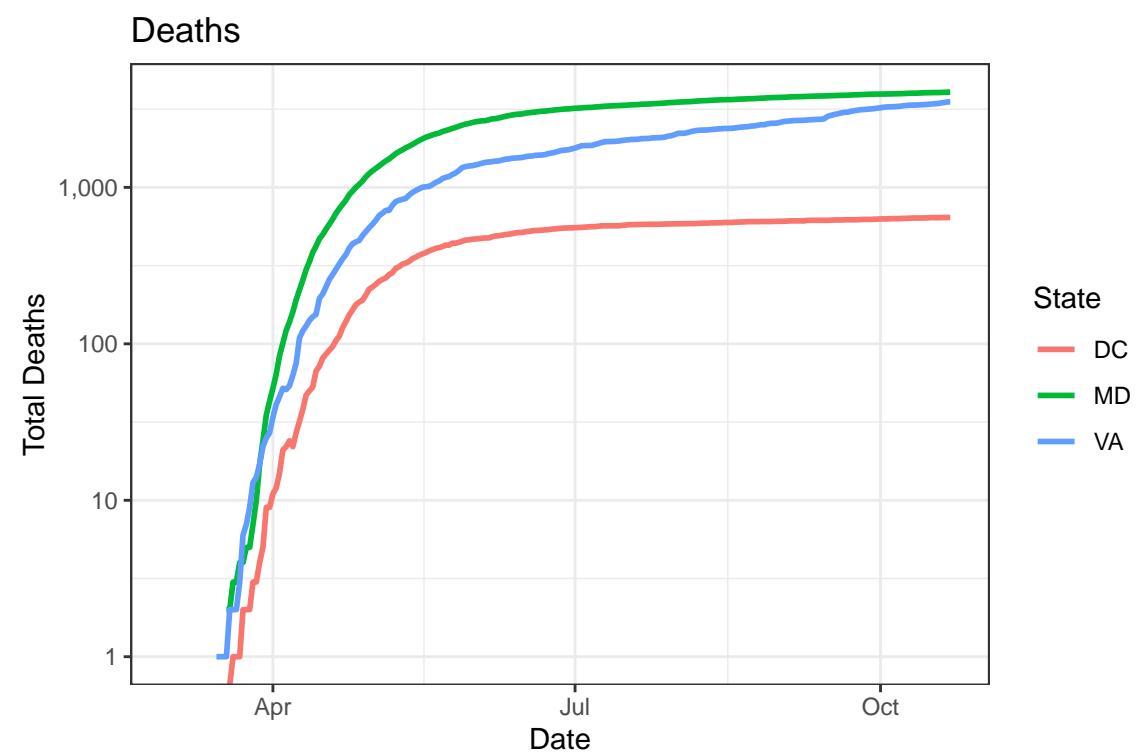
Local Data

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

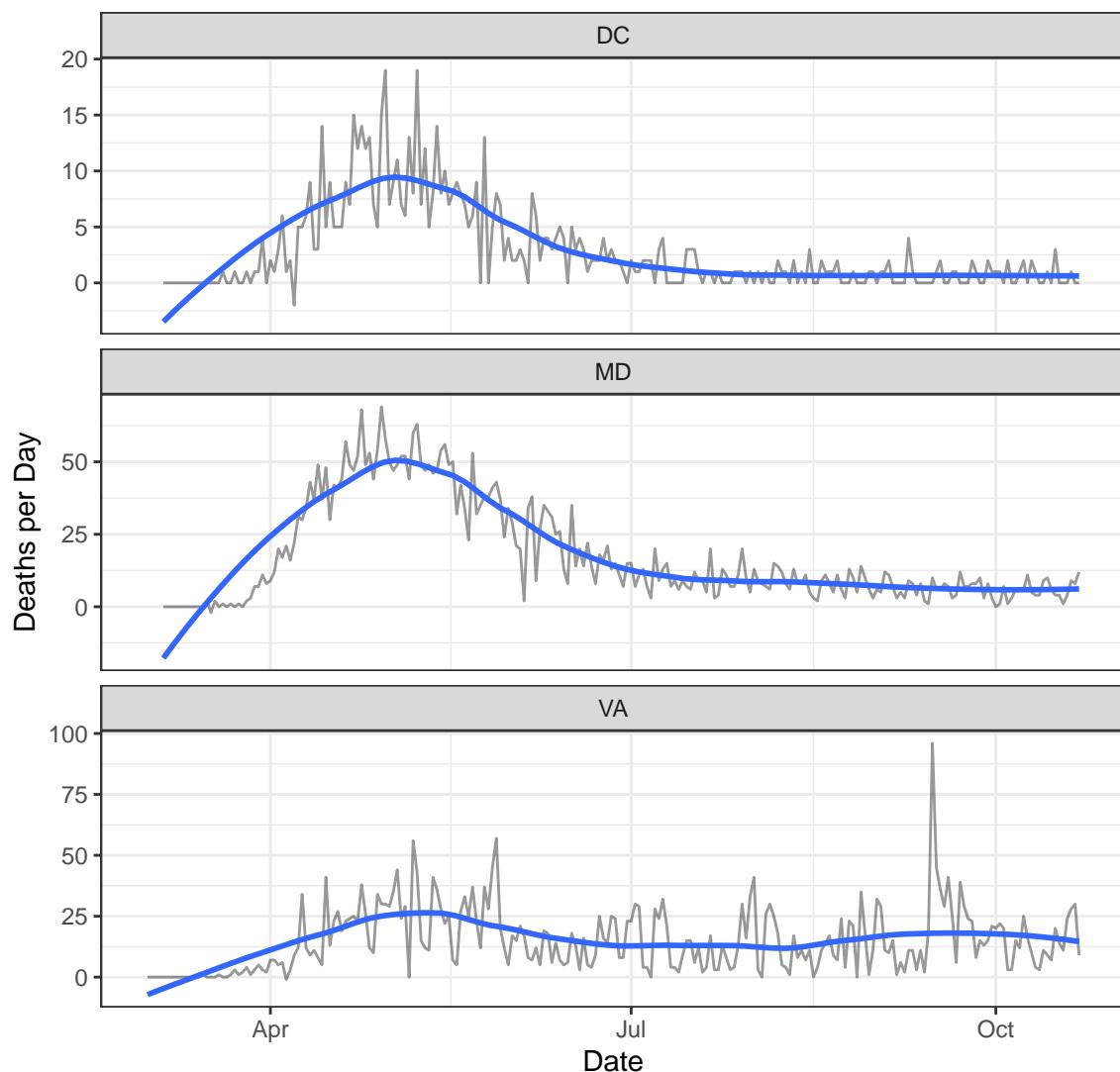
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	16,537	642	39	0
MD	137,979	4,070	743	12
VA	170,104	3,524	1,332	9

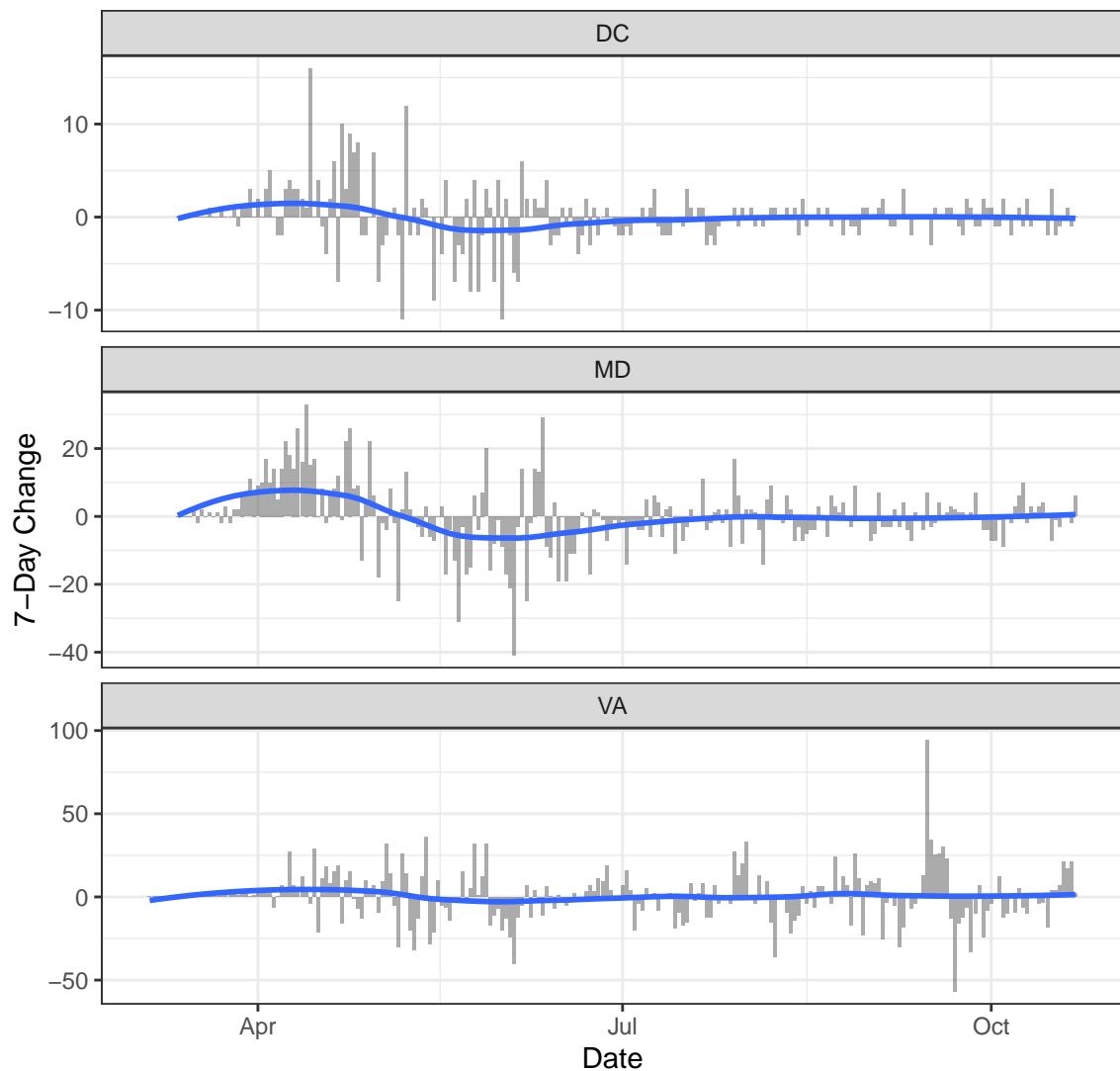
Deaths

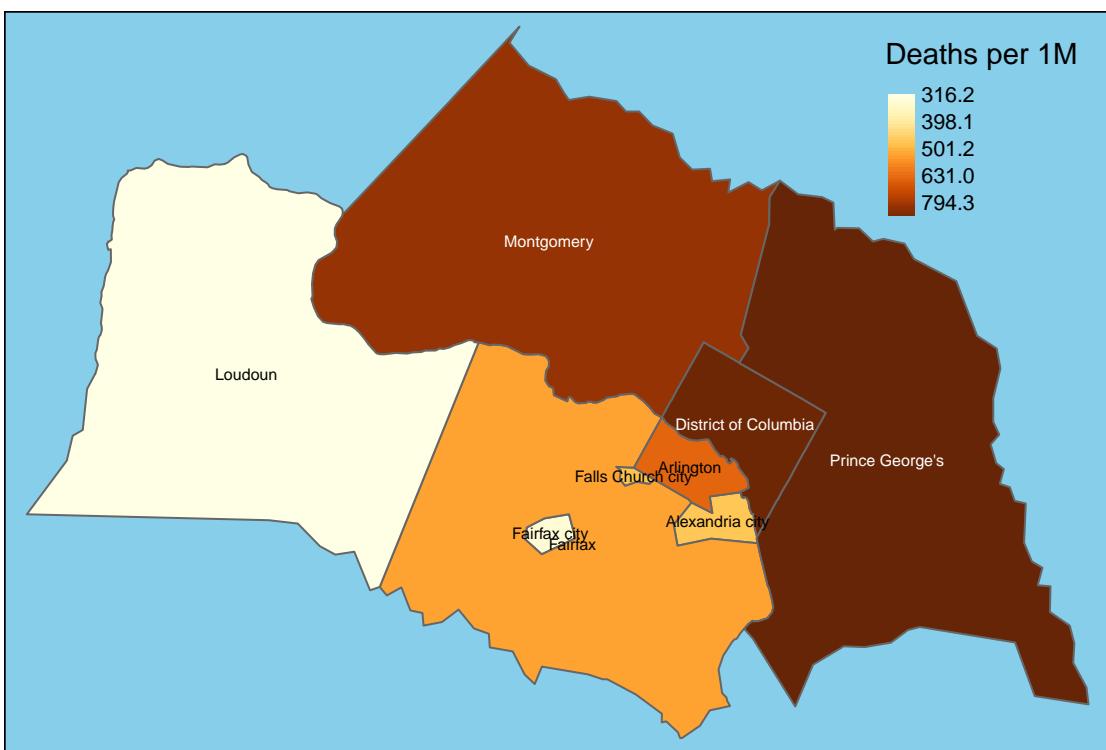
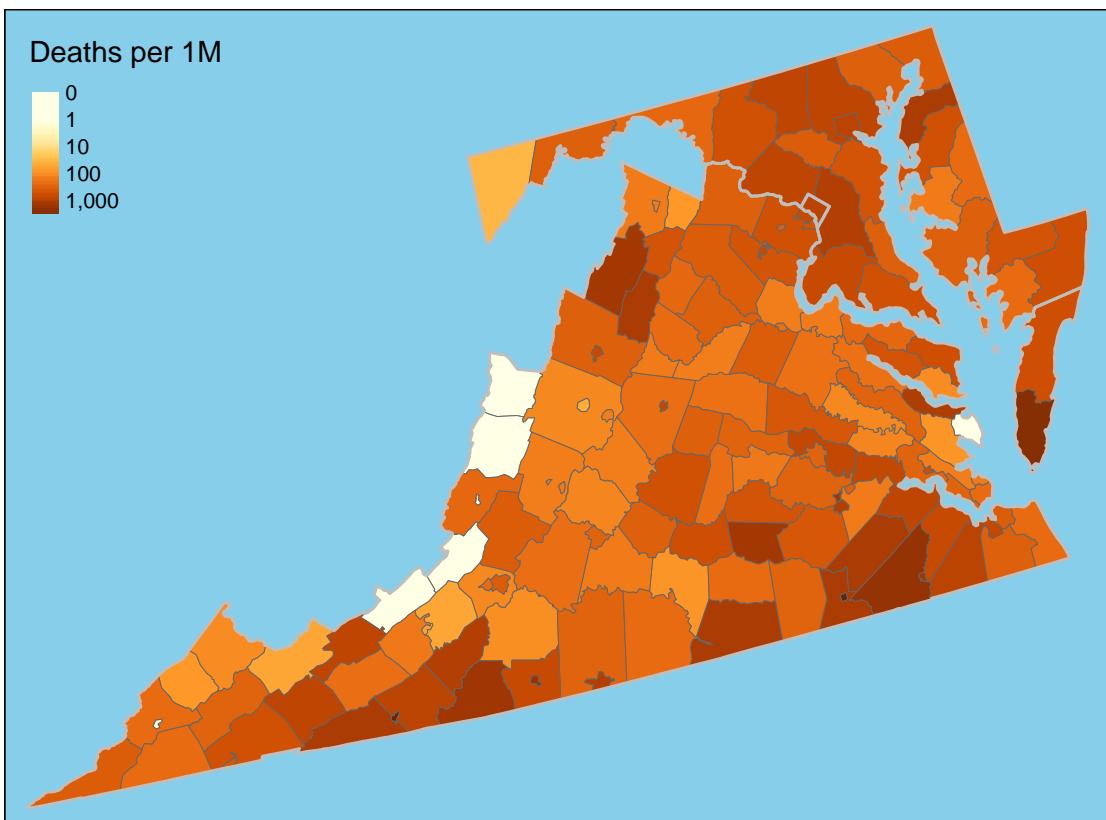


New Deaths

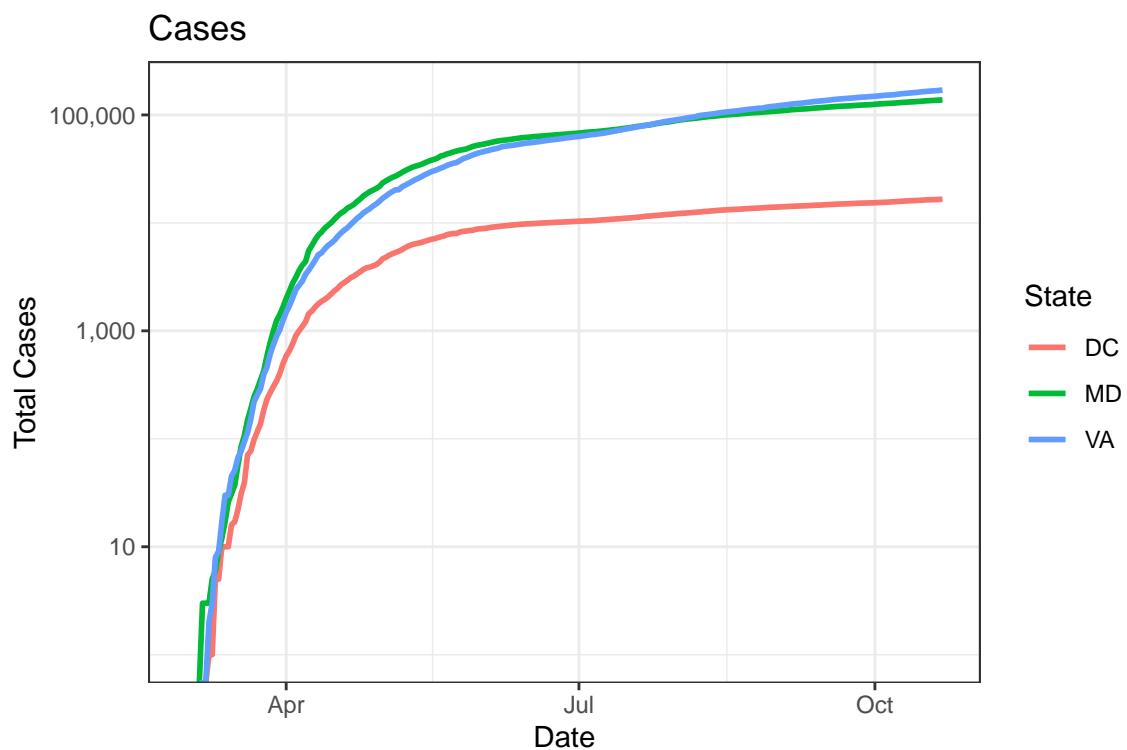


One-Week Change in Daily Deaths

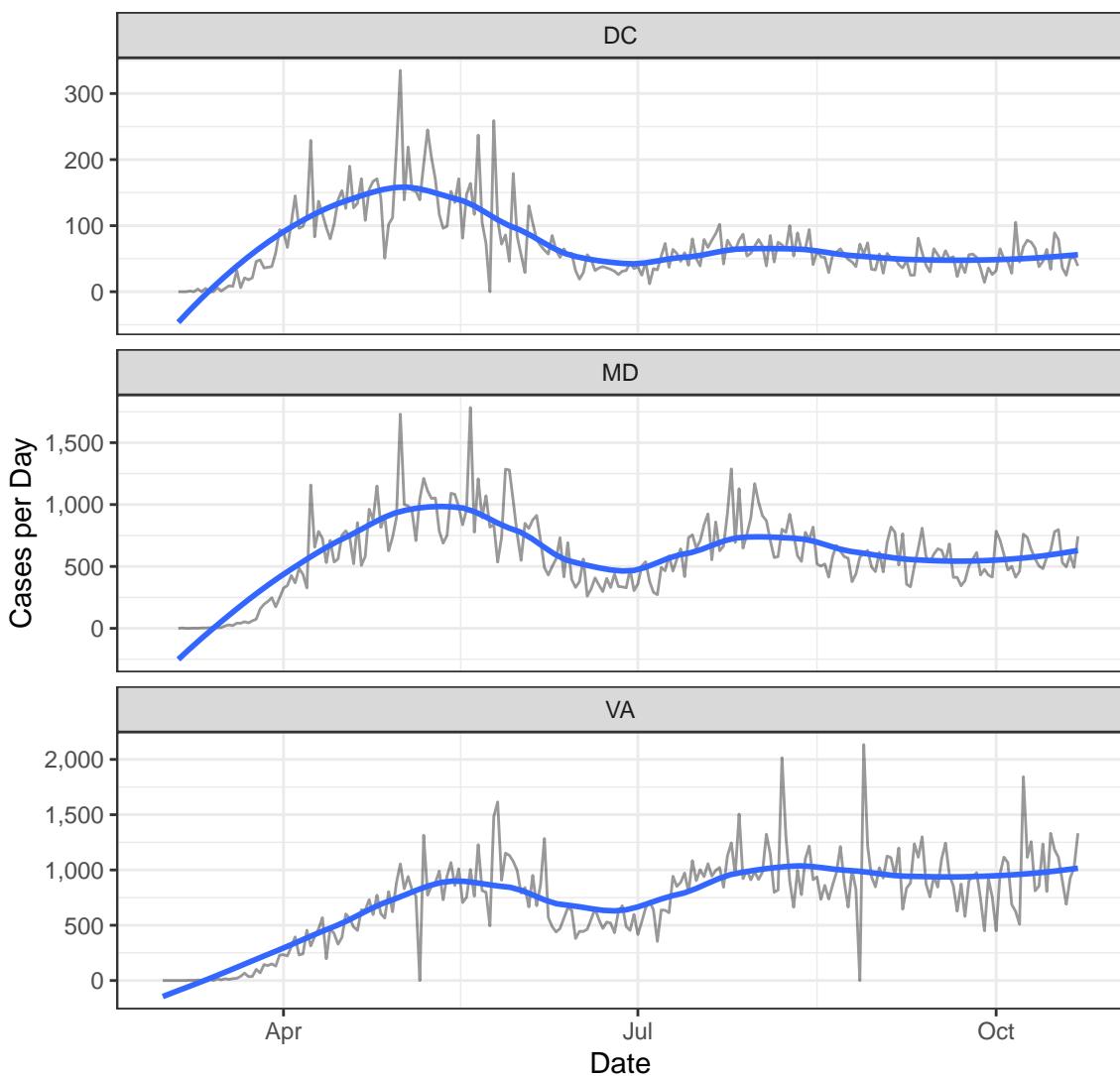




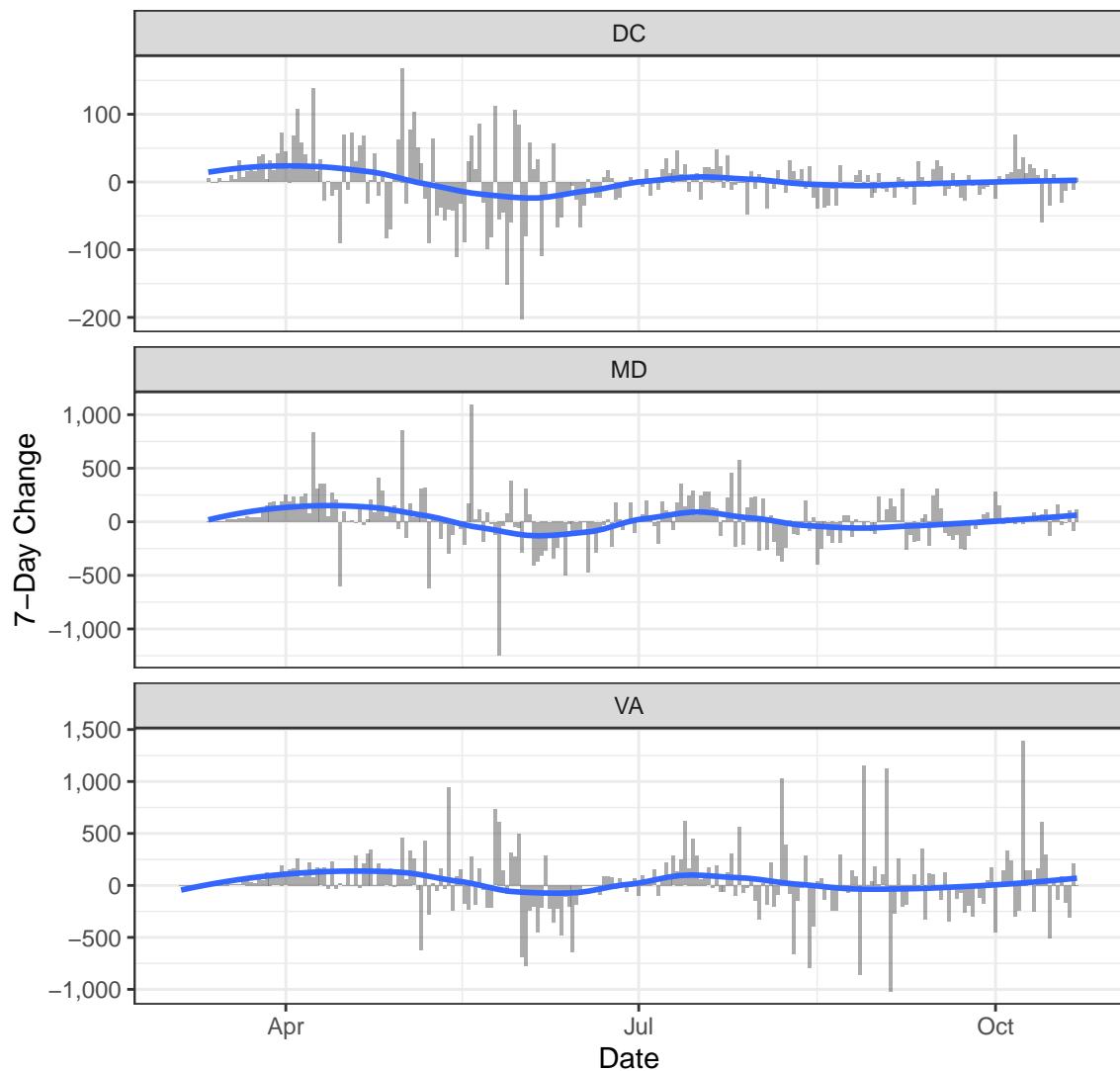
Cases

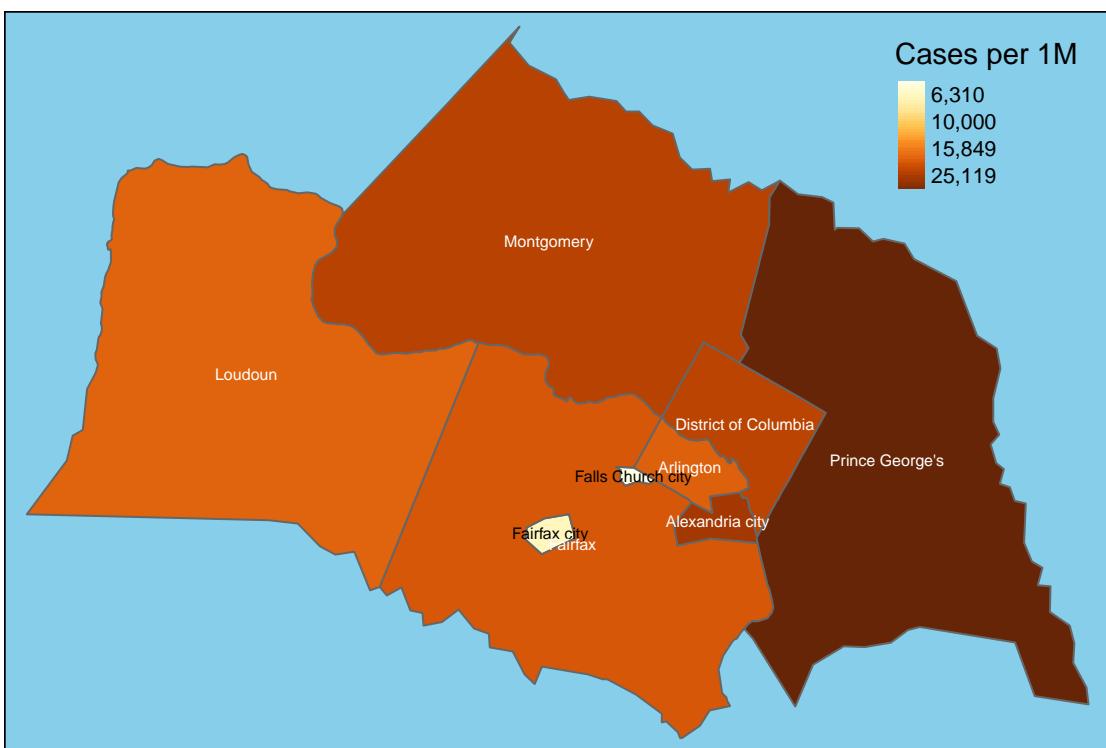
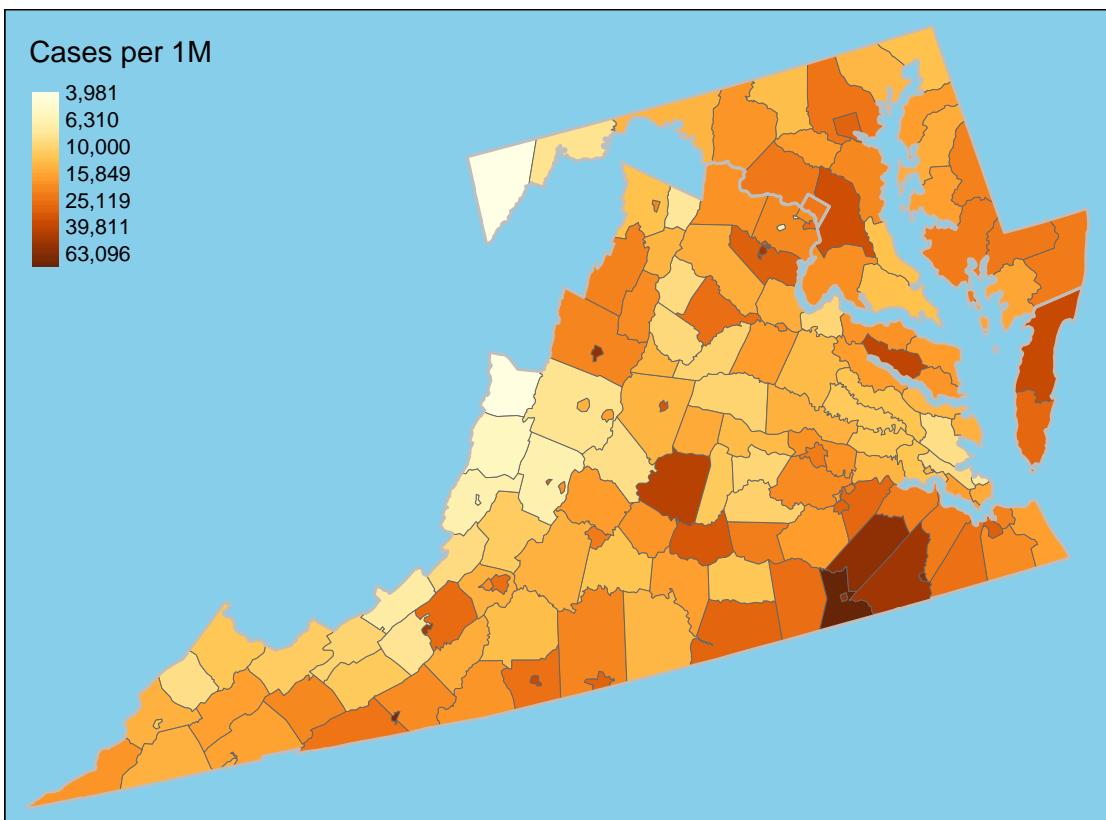


New Cases

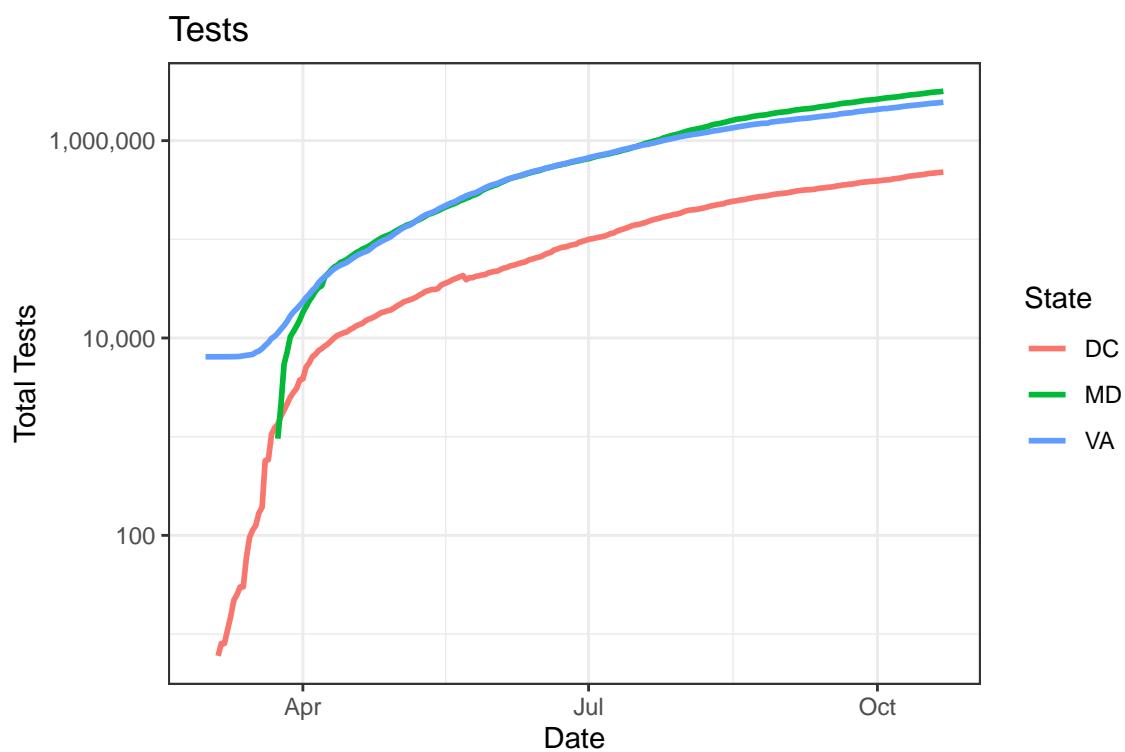


One-Week Change in Daily Cases

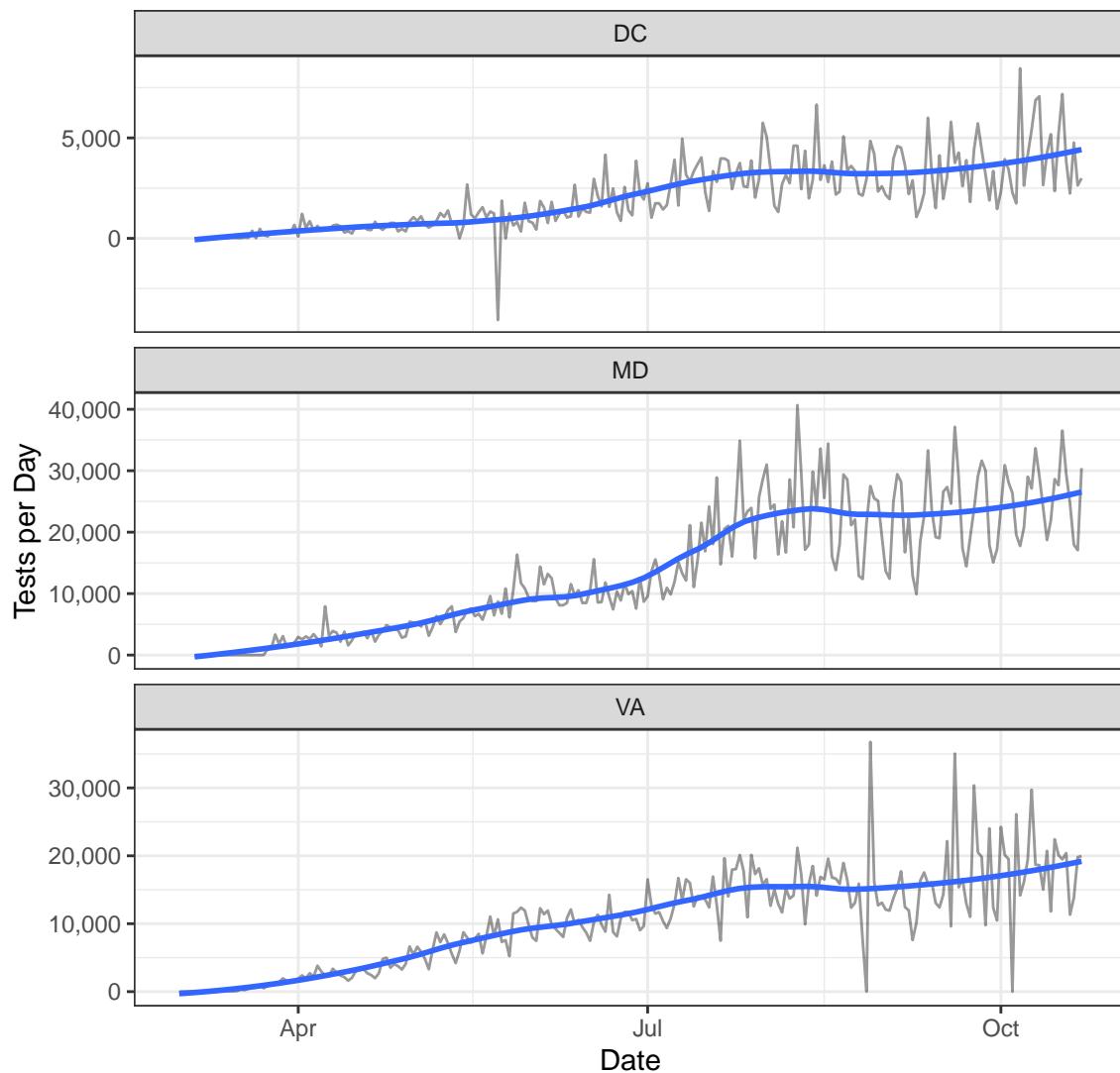




Testing



New Tests



Positive Test Rate

