

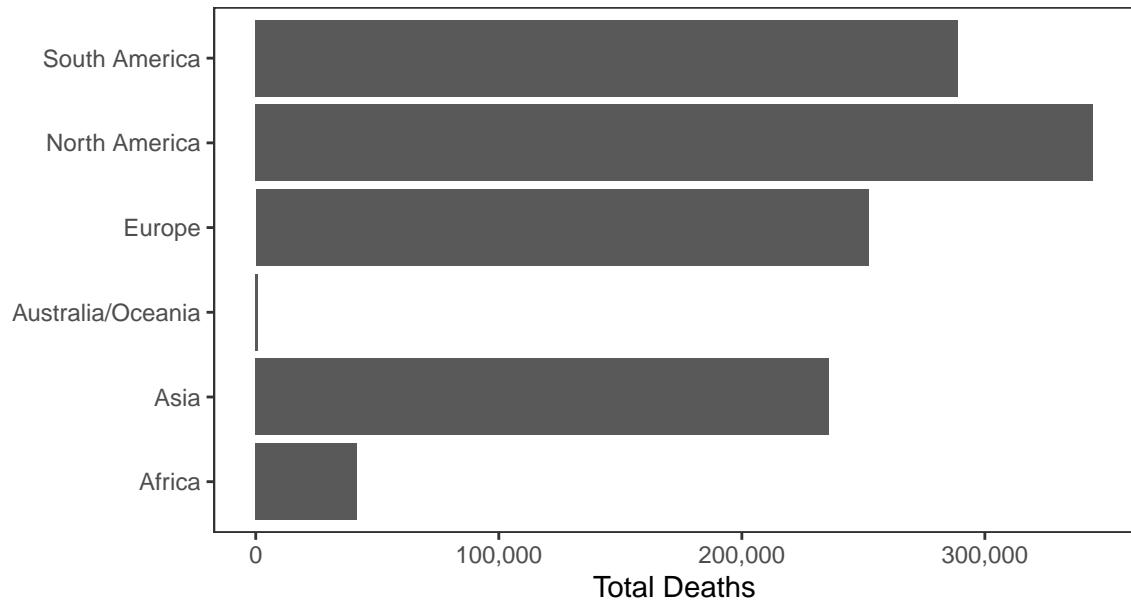
Erik's Covid-19 Chart Pack

Data updated 2020-10-27 20:01:24. 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 43,775,913 confirmed Covid-19 cases and 1,164,248 deaths worldwide.

Deaths



Cases

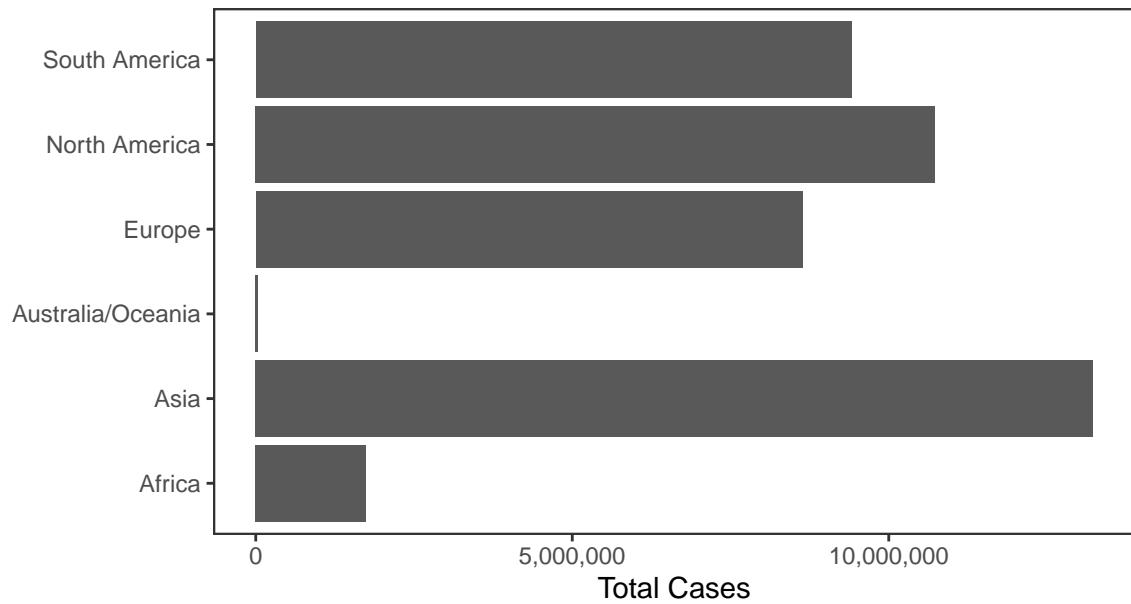
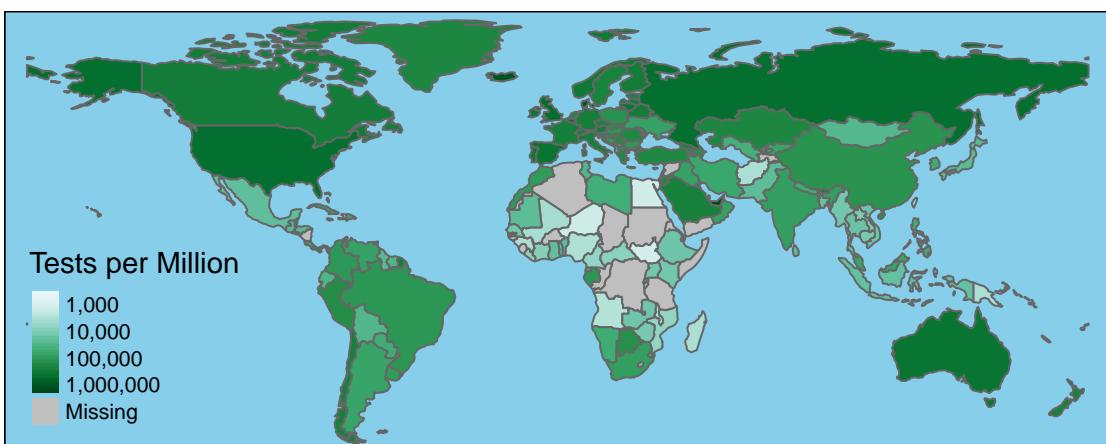
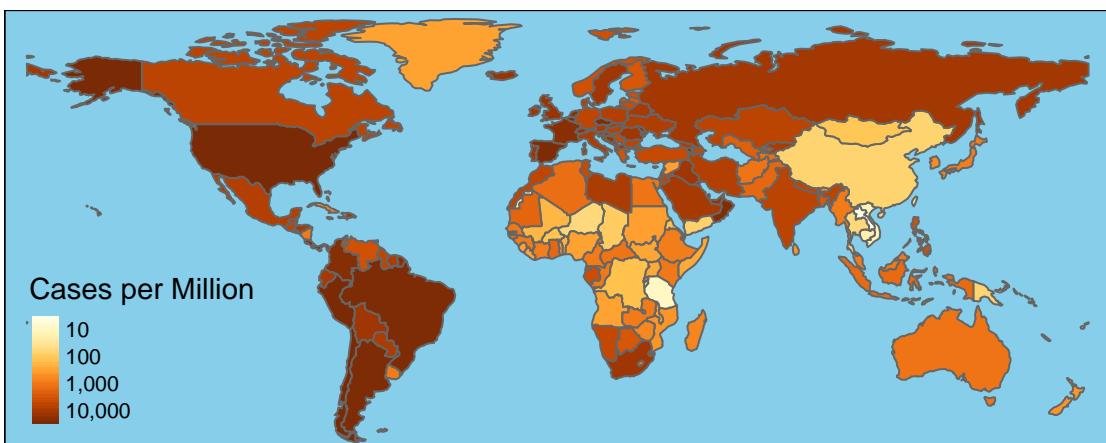
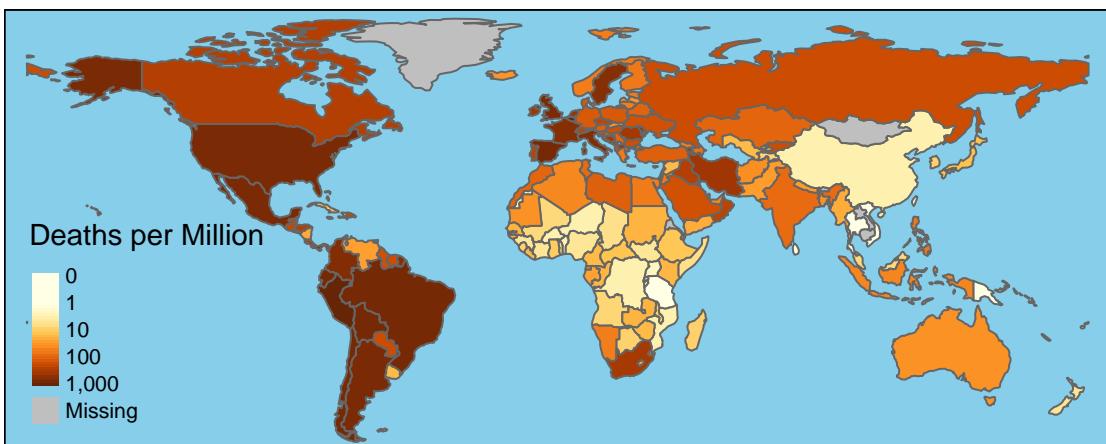


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	8,962,958	231,045	69,842	529
India	7,945,888	119,535	36,838	505
Brazil	5,411,550	157,451	17,422	288
Russia	1,531,224	26,269	17,347	219
France	1,165,278	35,018	26,771	257
Spain	1,156,498	35,031	17,396	93
Argentina	1,102,301	29,301	11,712	405
Colombia	1,025,052	30,348	9,167	194
UK	894,690	44,998	20,890	102
Mexico	891,160	88,924	4,360	181
Peru	890,574	34,197	1,859	48
South Africa	716,759	19,008	891	40
Iran	574,856	32,953	5,960	337
Italy	542,784	37,479	17,007	141
Chile	503,598	14,003	1,535	59
Iraq	455,398	10,671	3,691	48
Germany	450,258	10,182	12,621	44
Bangladesh	400,251	5,818	1,436	15
Indonesia	392,934	13,411	3,222	112
Philippines	371,620	7,039	1,597	62



National Data

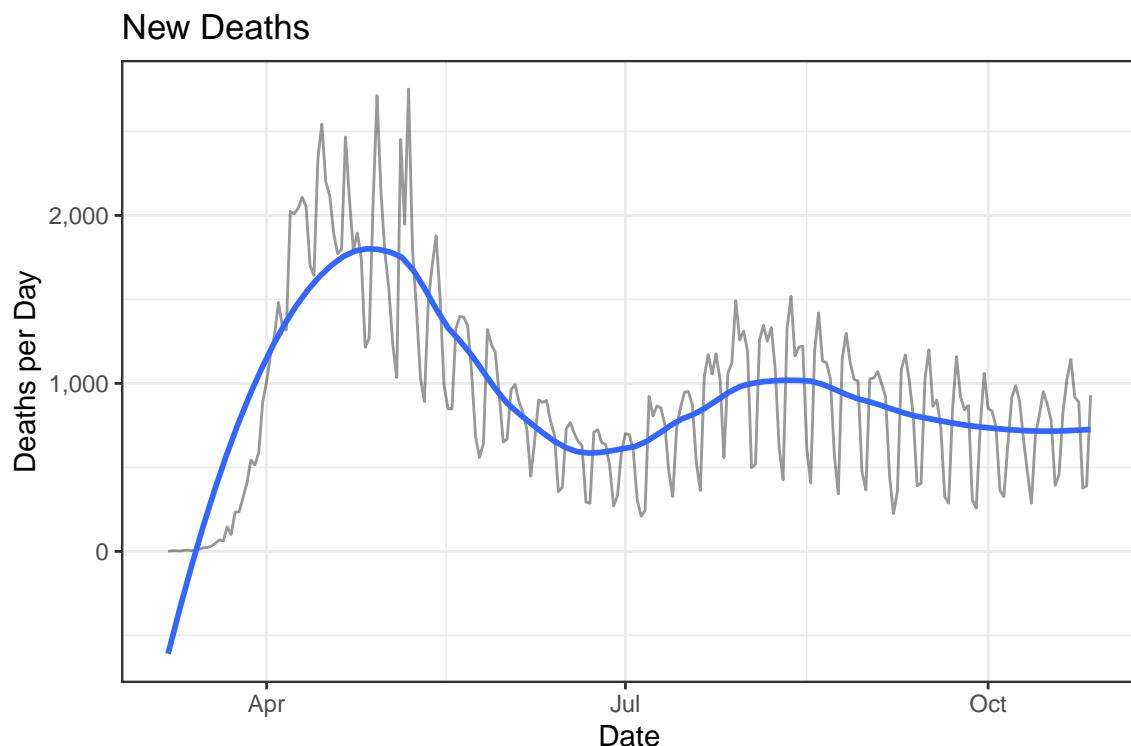
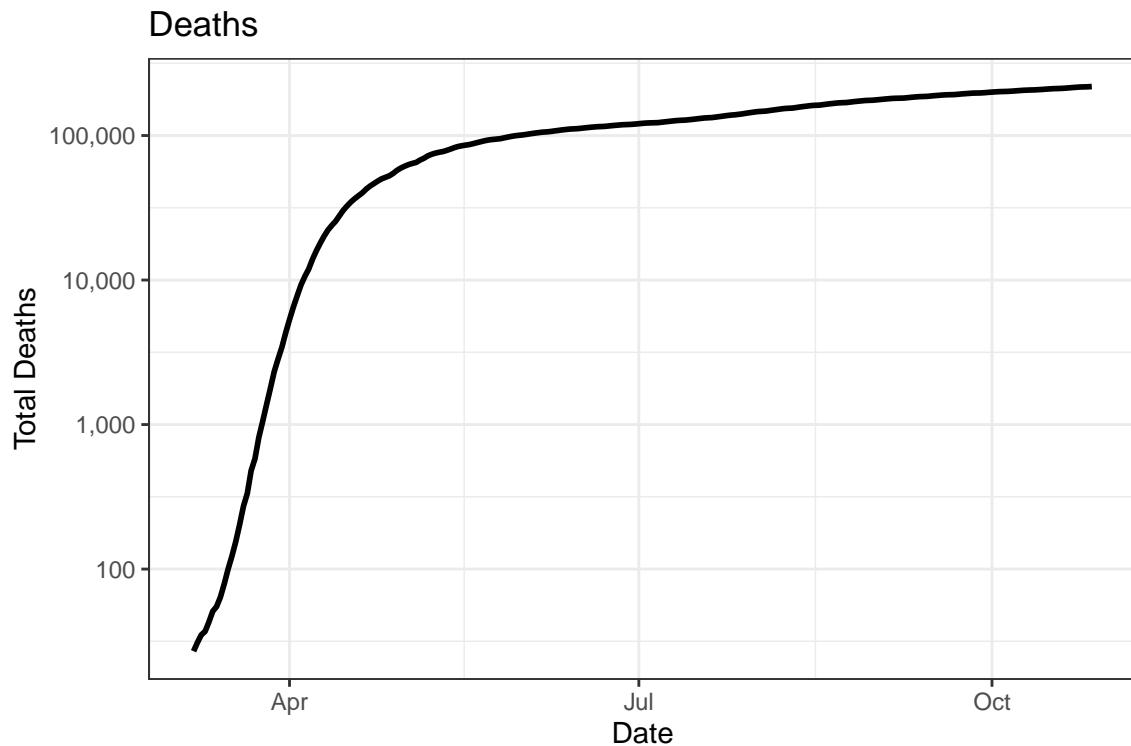
There have been 8,723,438 confirmed Covid-19 cases and 218,349 deaths in the United States.

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

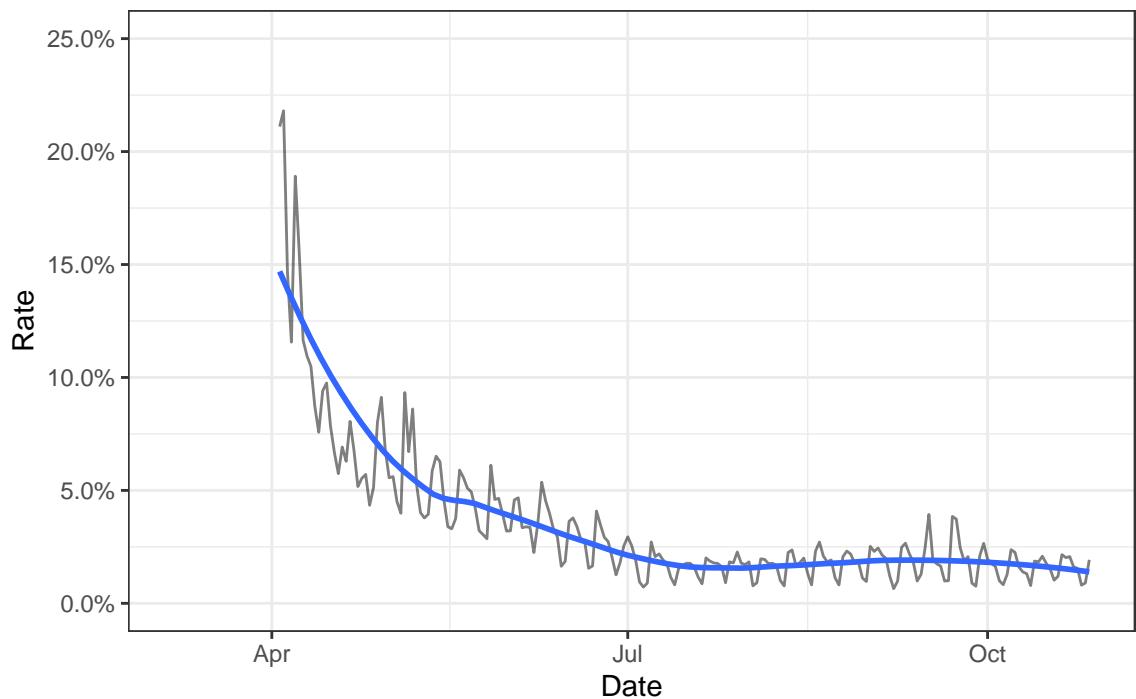
Date	Cases	Deaths	New Cases	New Deaths
2020-10-27	8,723,438	218,349	73,096	931
2020-10-26	8,650,342	217,418	62,274	389
2020-10-25	8,588,068	217,029	65,650	377
2020-10-24	8,522,418	216,652	82,925	890
2020-10-23	8,439,493	215,762	83,057	917
2020-10-22	8,356,436	214,845	73,007	1,143
2020-10-21	8,283,429	213,702	60,712	1,024
2020-10-20	8,222,717	212,678	60,558	832
2020-10-19	8,162,159	211,846	57,132	456
2020-10-18	8,105,027	211,390	48,857	393
2020-10-17	8,056,170	210,997	57,867	780
2020-10-16	7,998,303	210,217	68,040	877
2020-10-15	7,930,263	209,340	63,102	951
2020-10-14	7,867,161	208,389	56,722	811

Deaths

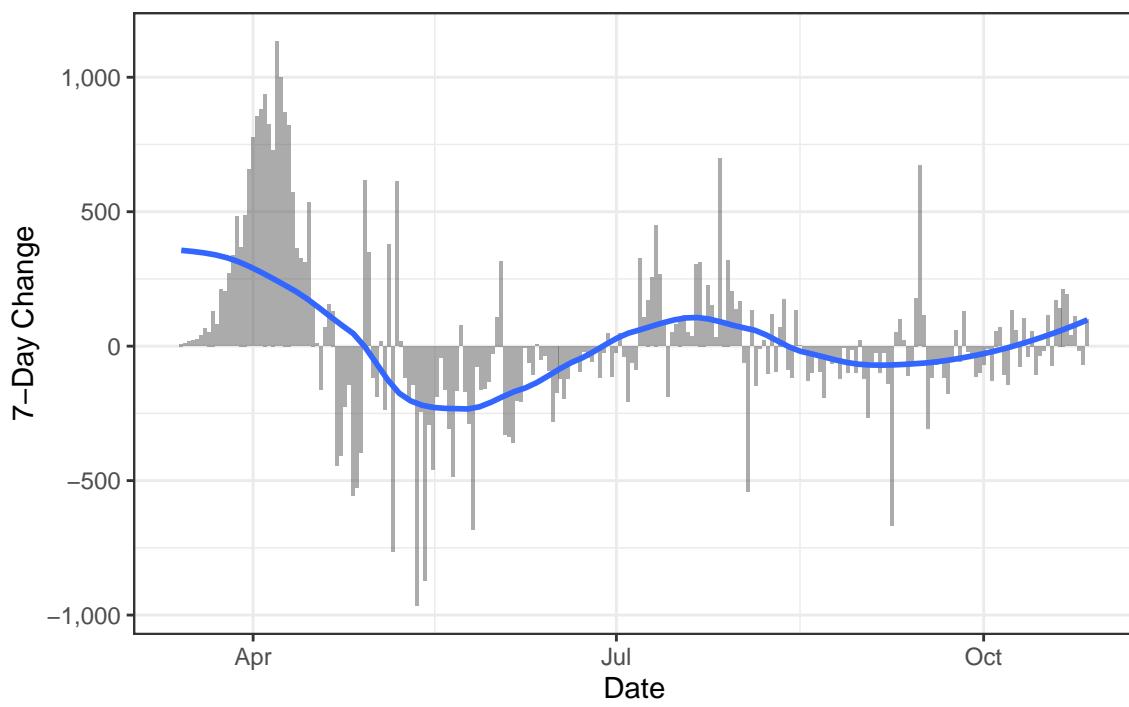
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

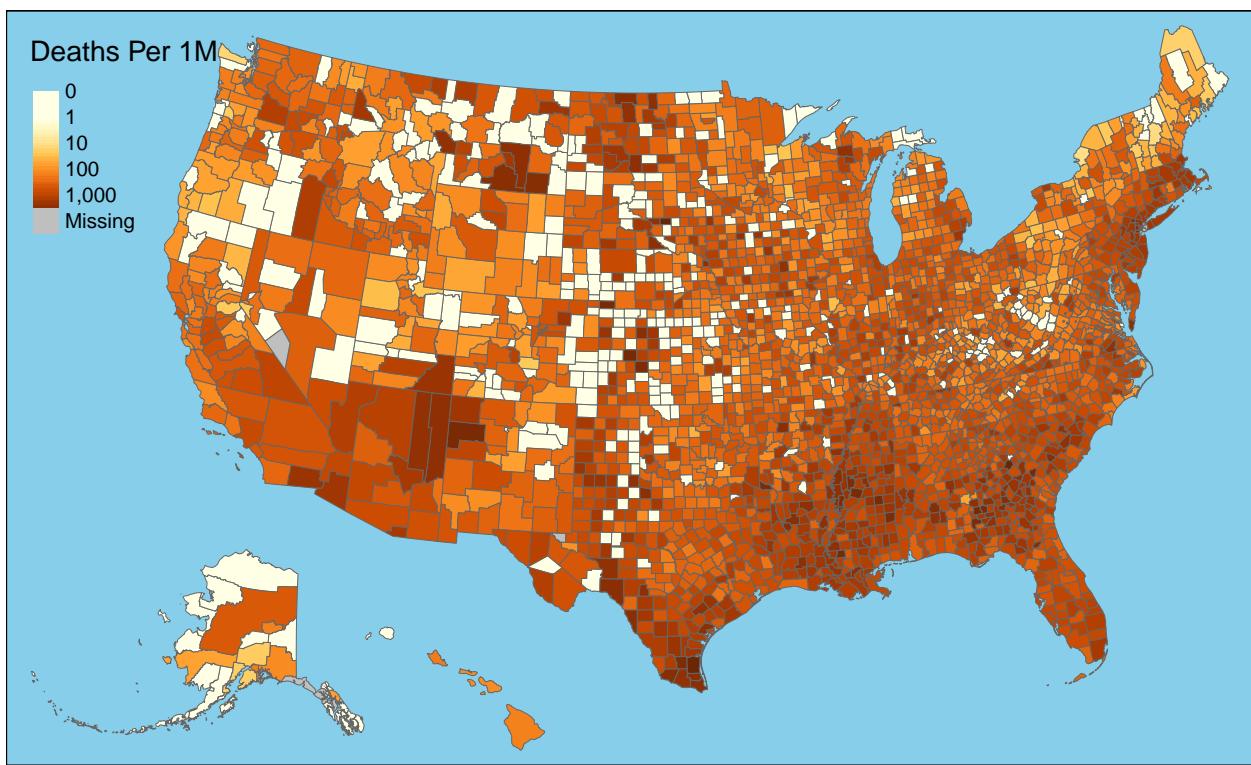


Daily Case Mortality Rate



One-Week Change in Daily Deaths

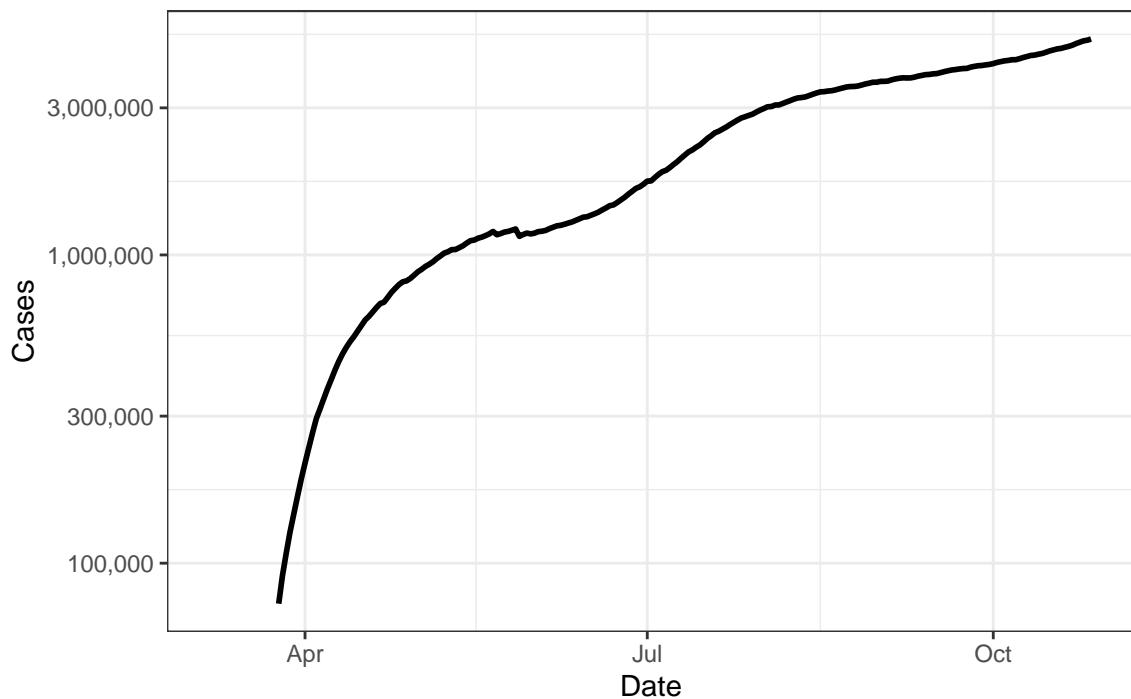




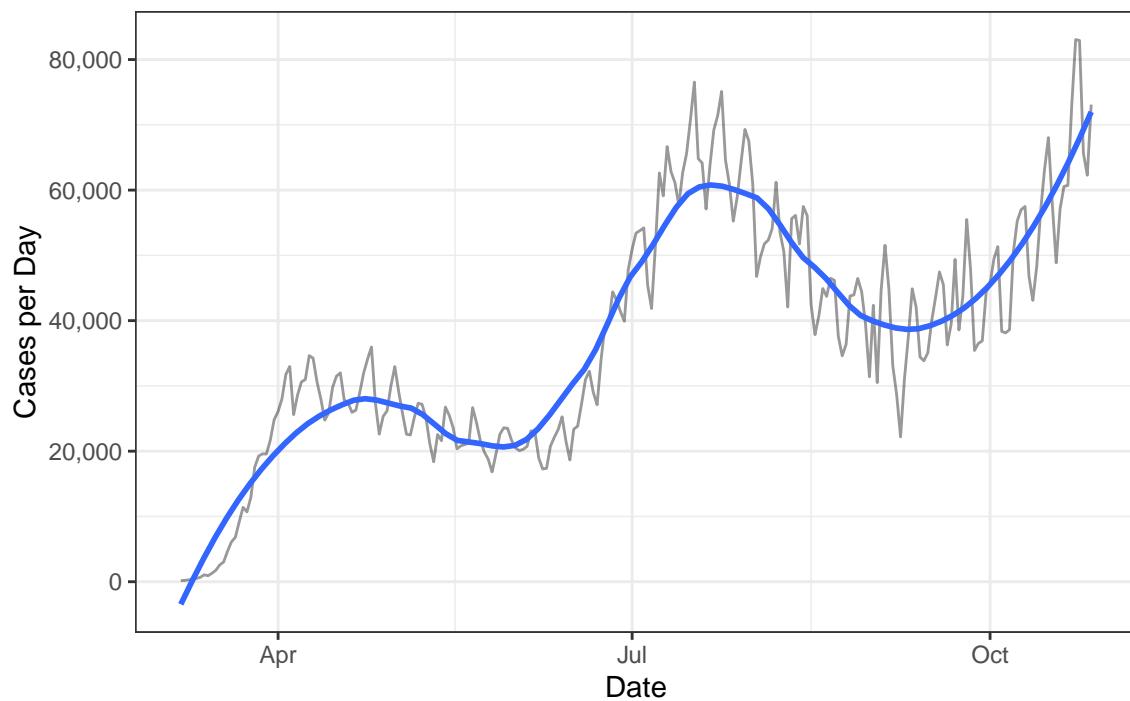
Cases

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

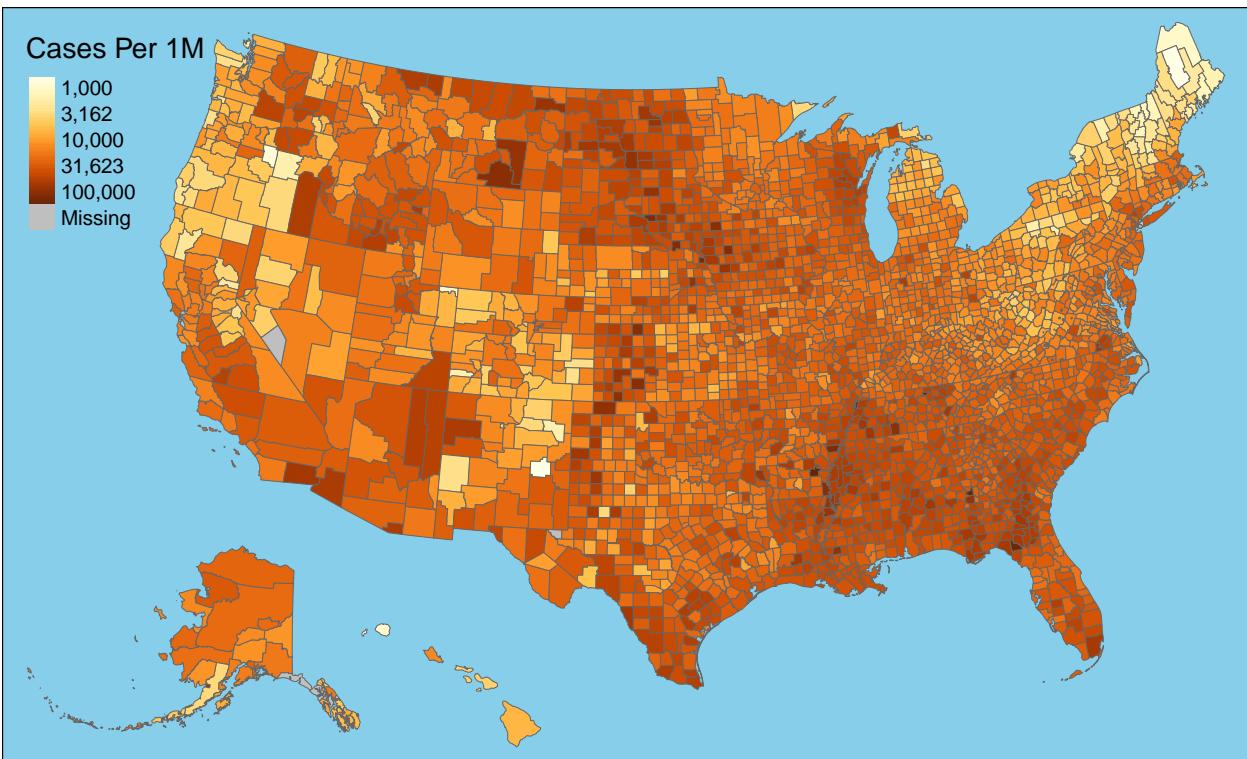
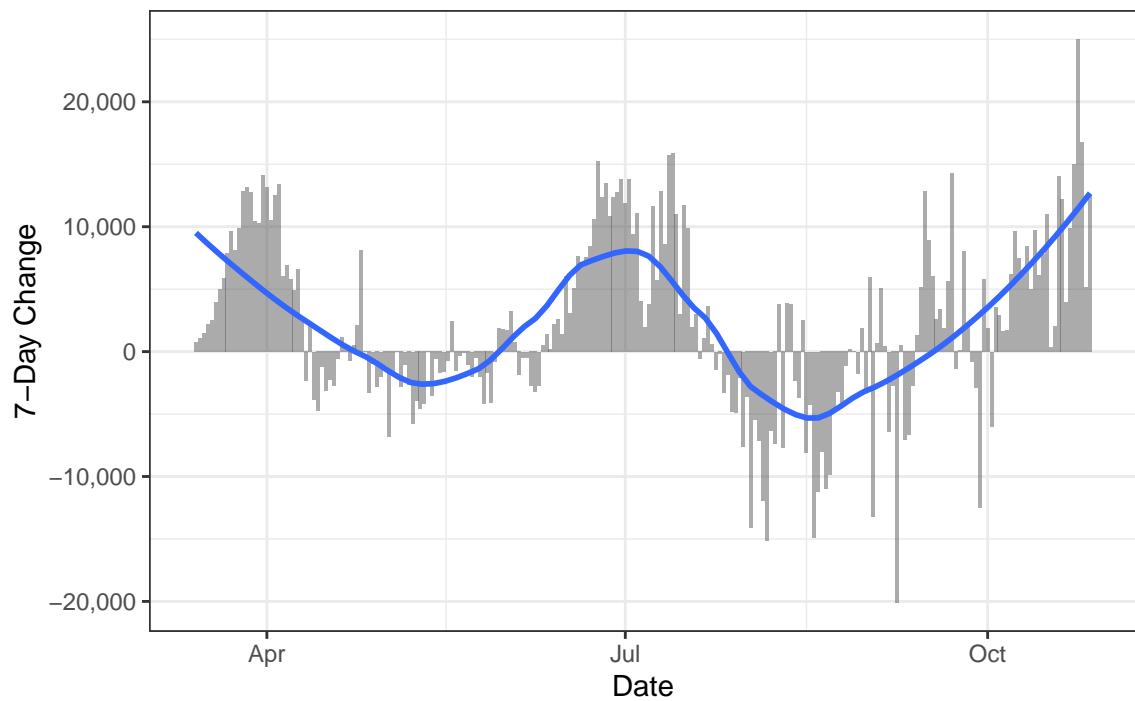
Active Cases



New Cases

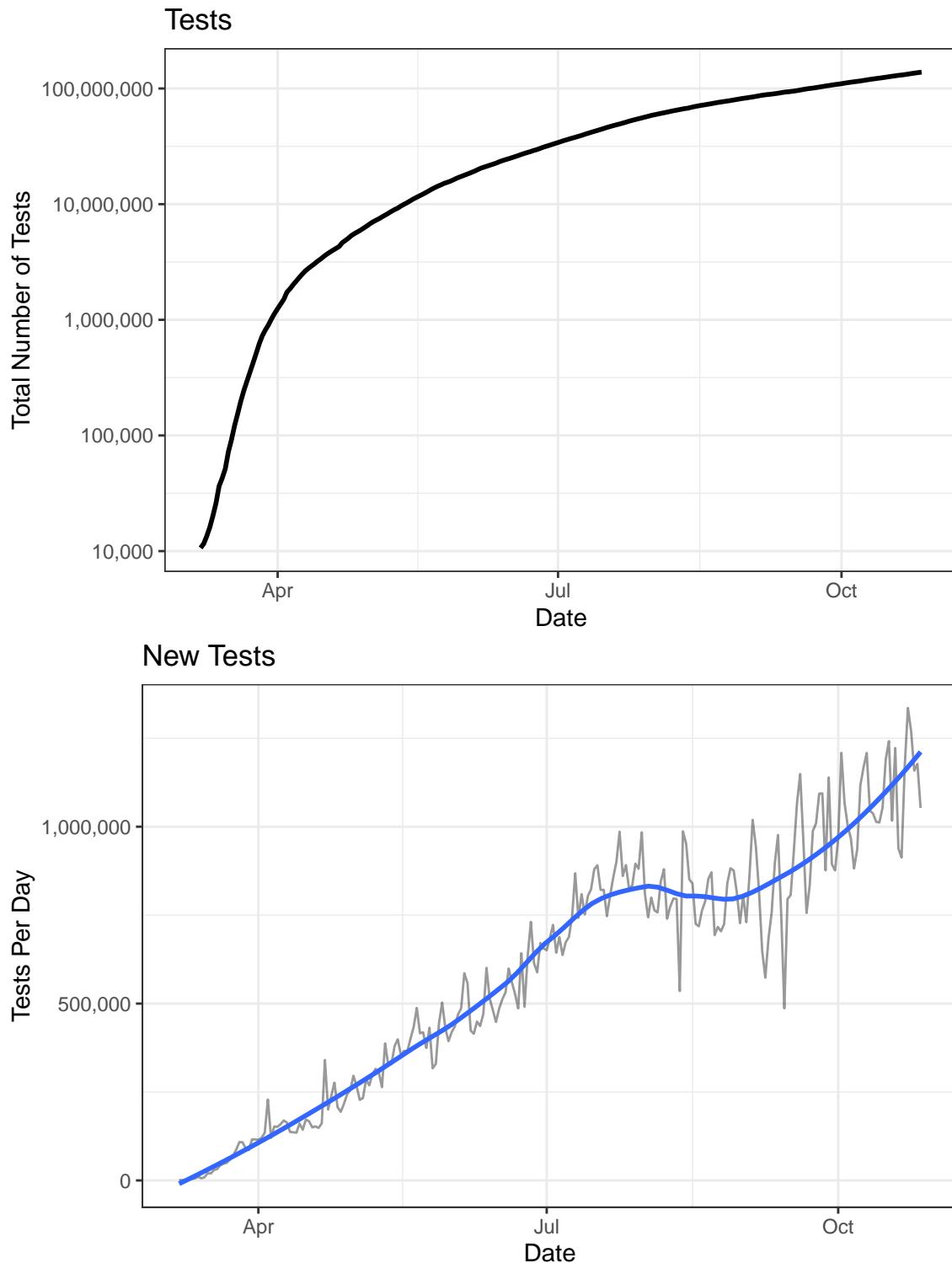


One-Week Change in Daily Cases

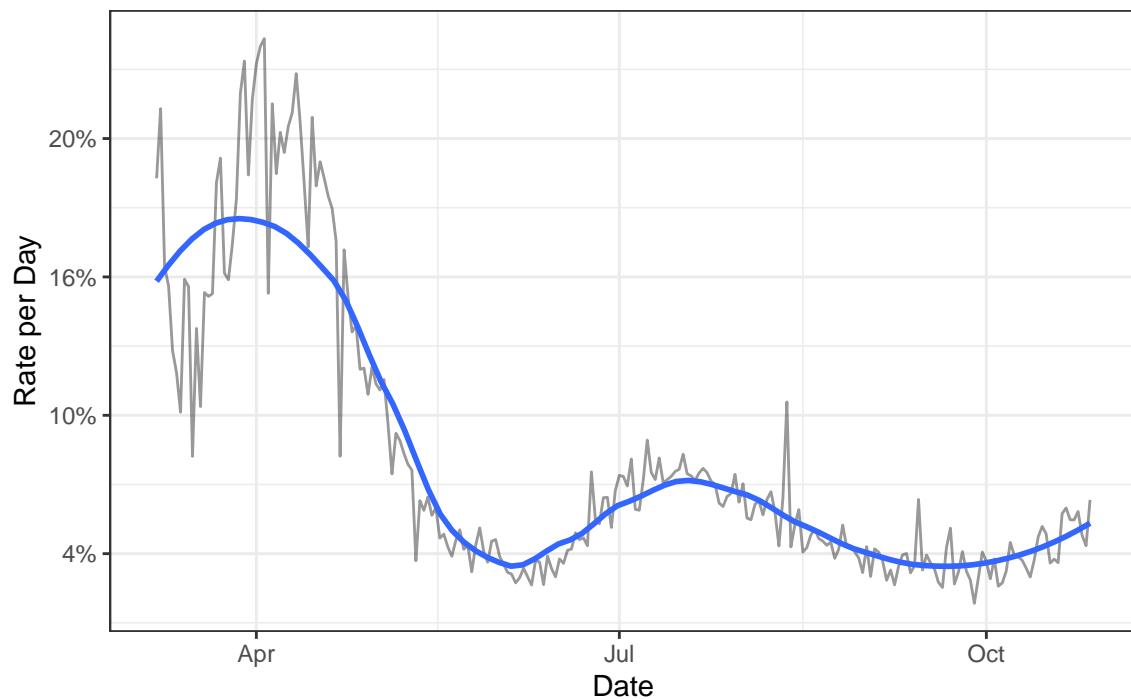


Testing

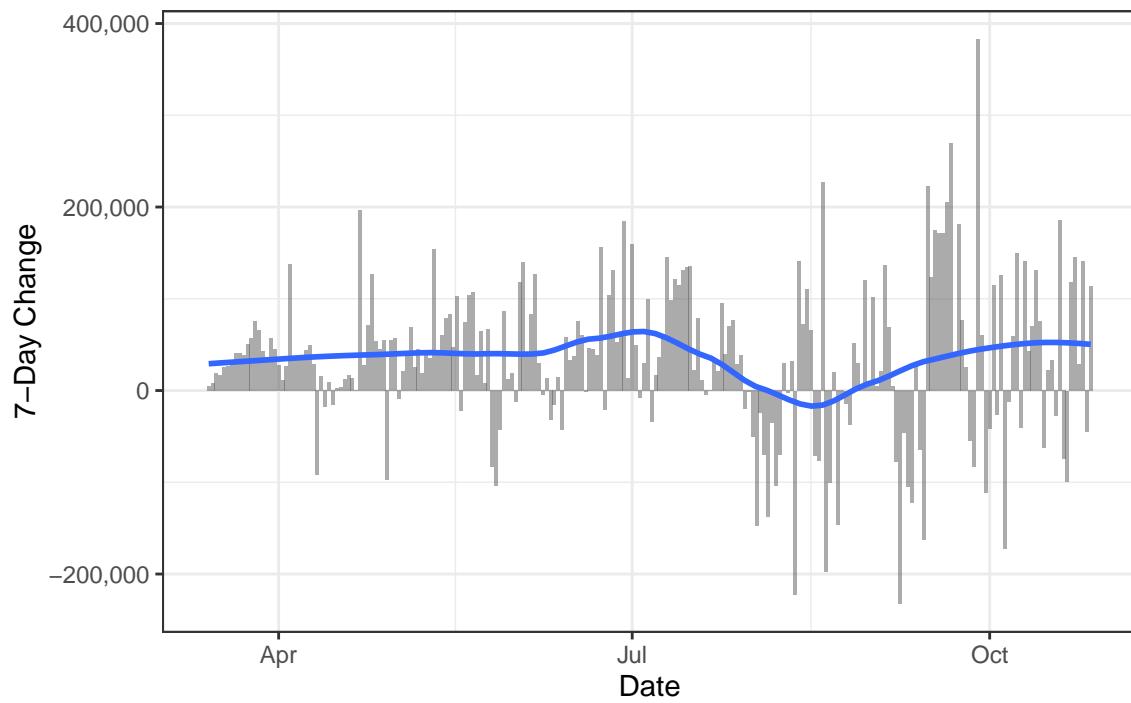
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

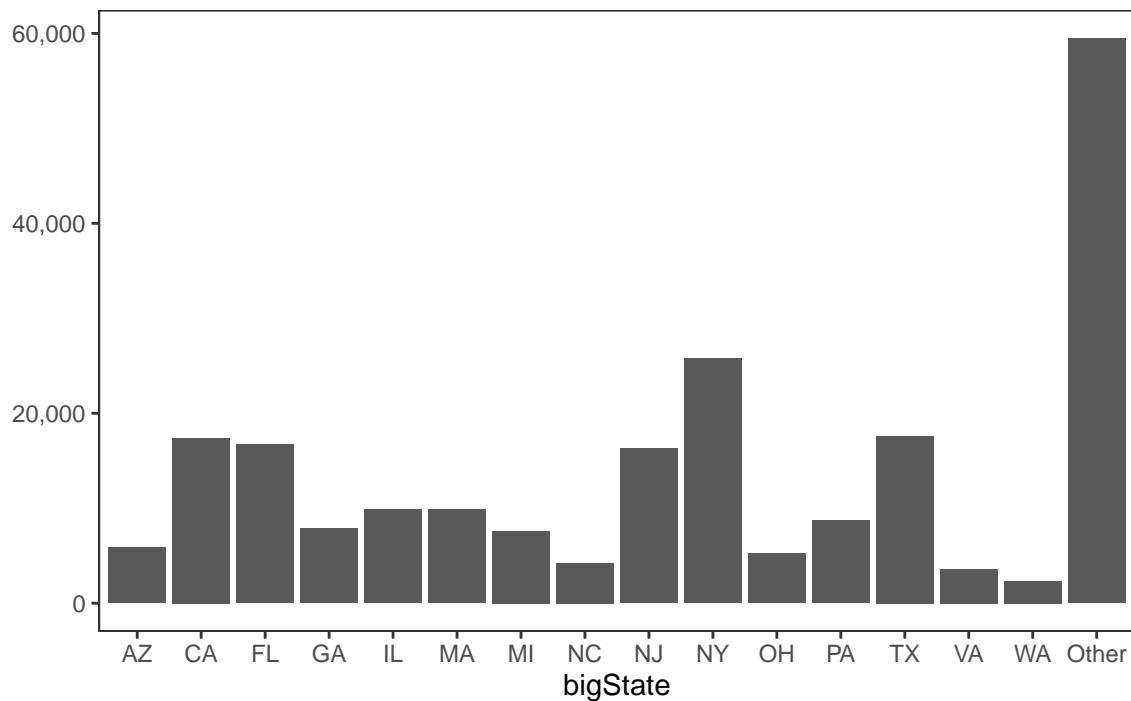


State Data

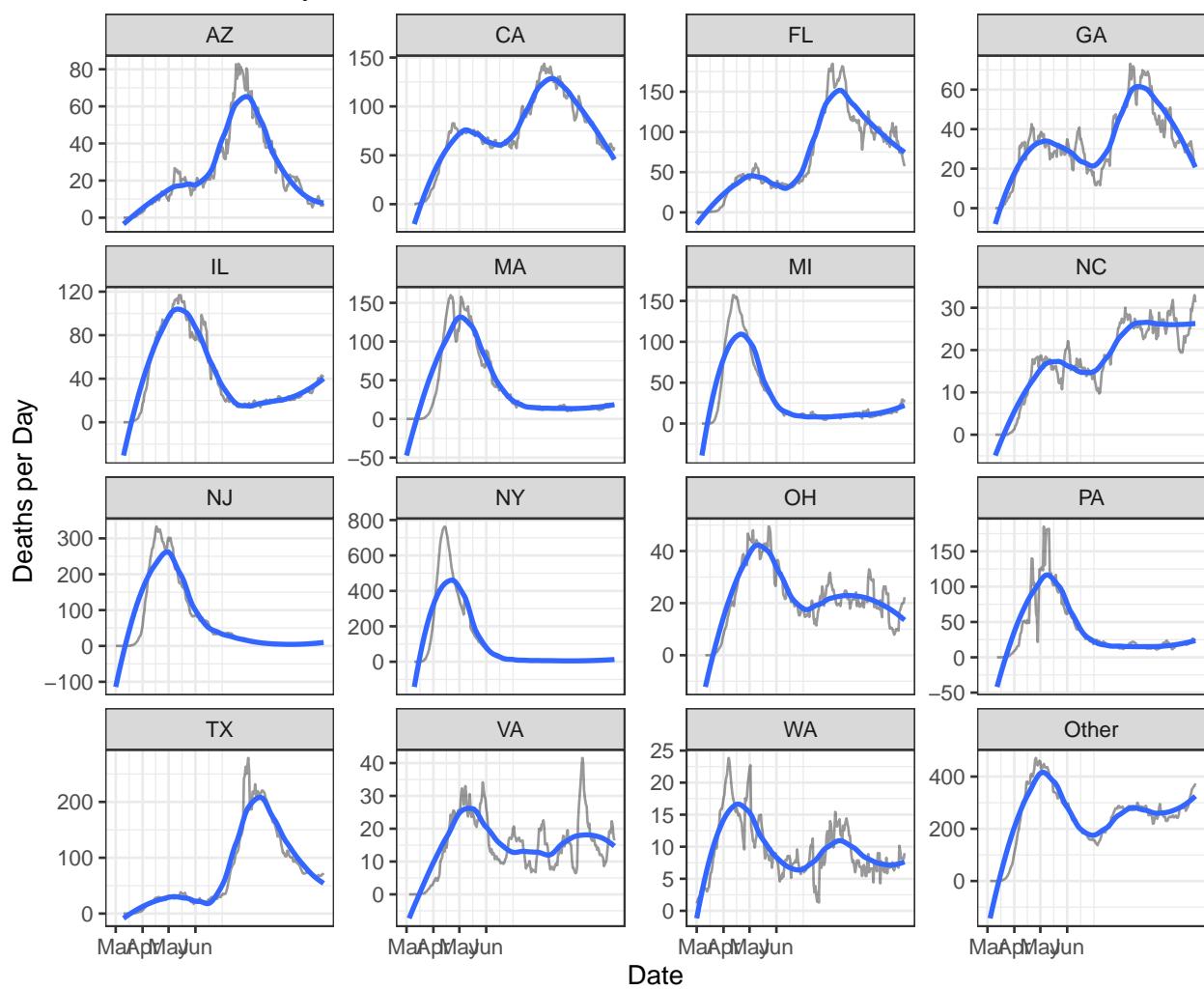
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

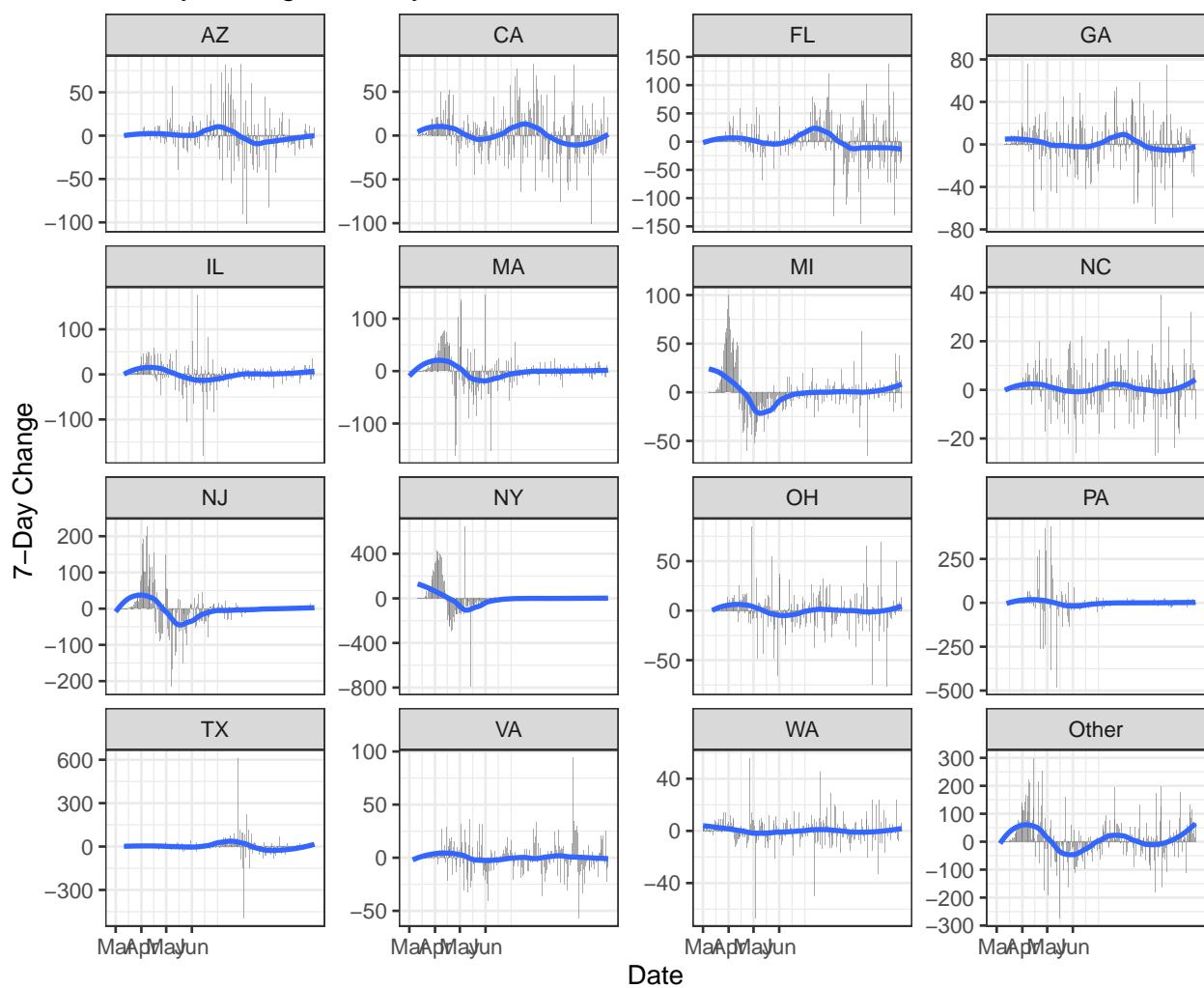
Deaths by State

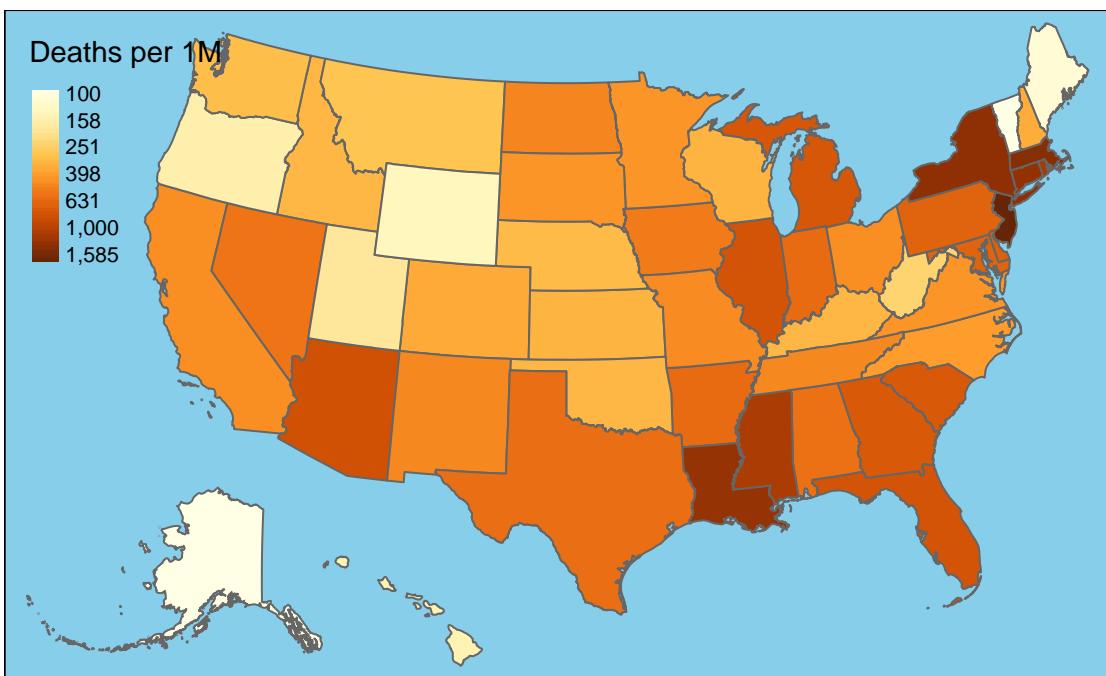
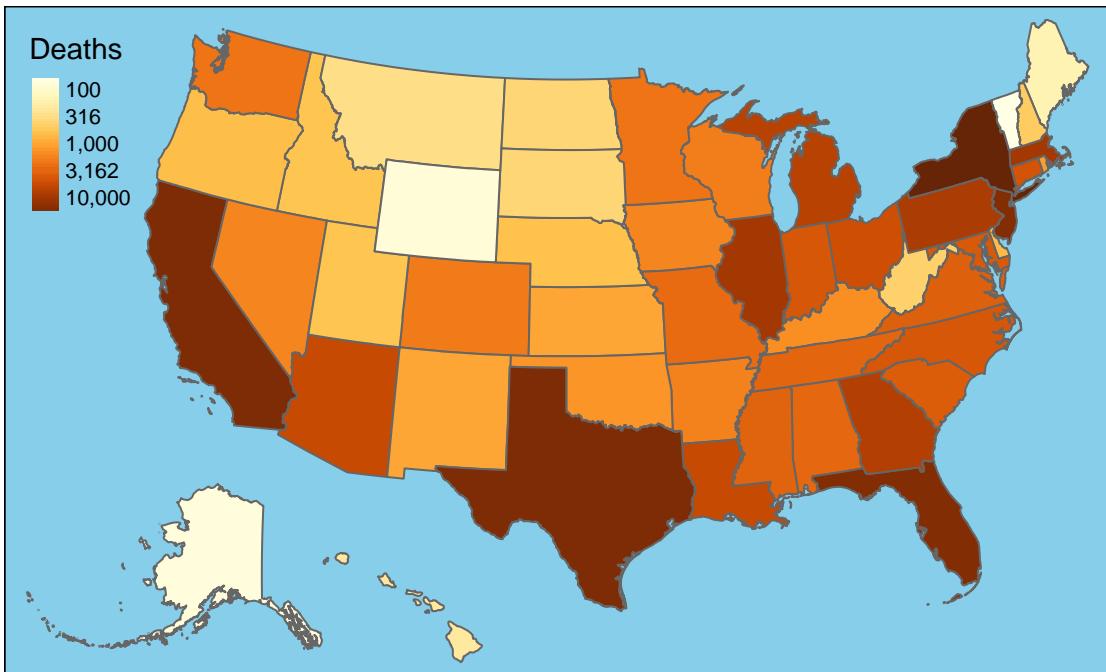


New Deaths by State



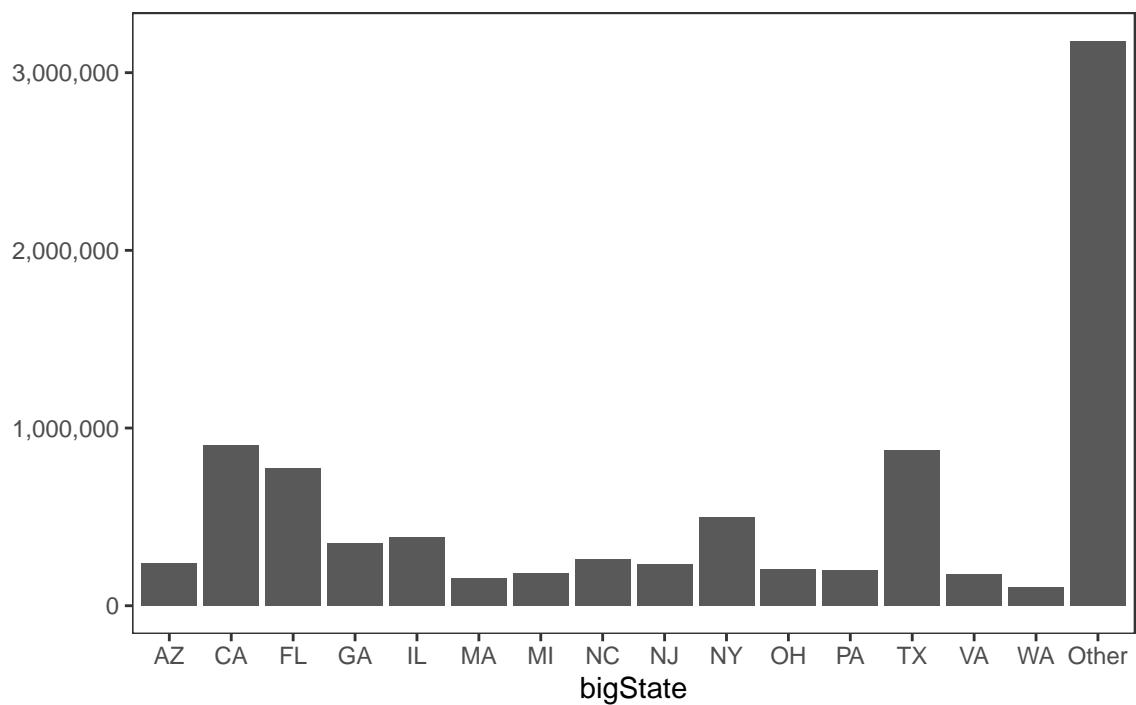
7-Day Change in Daily Deaths



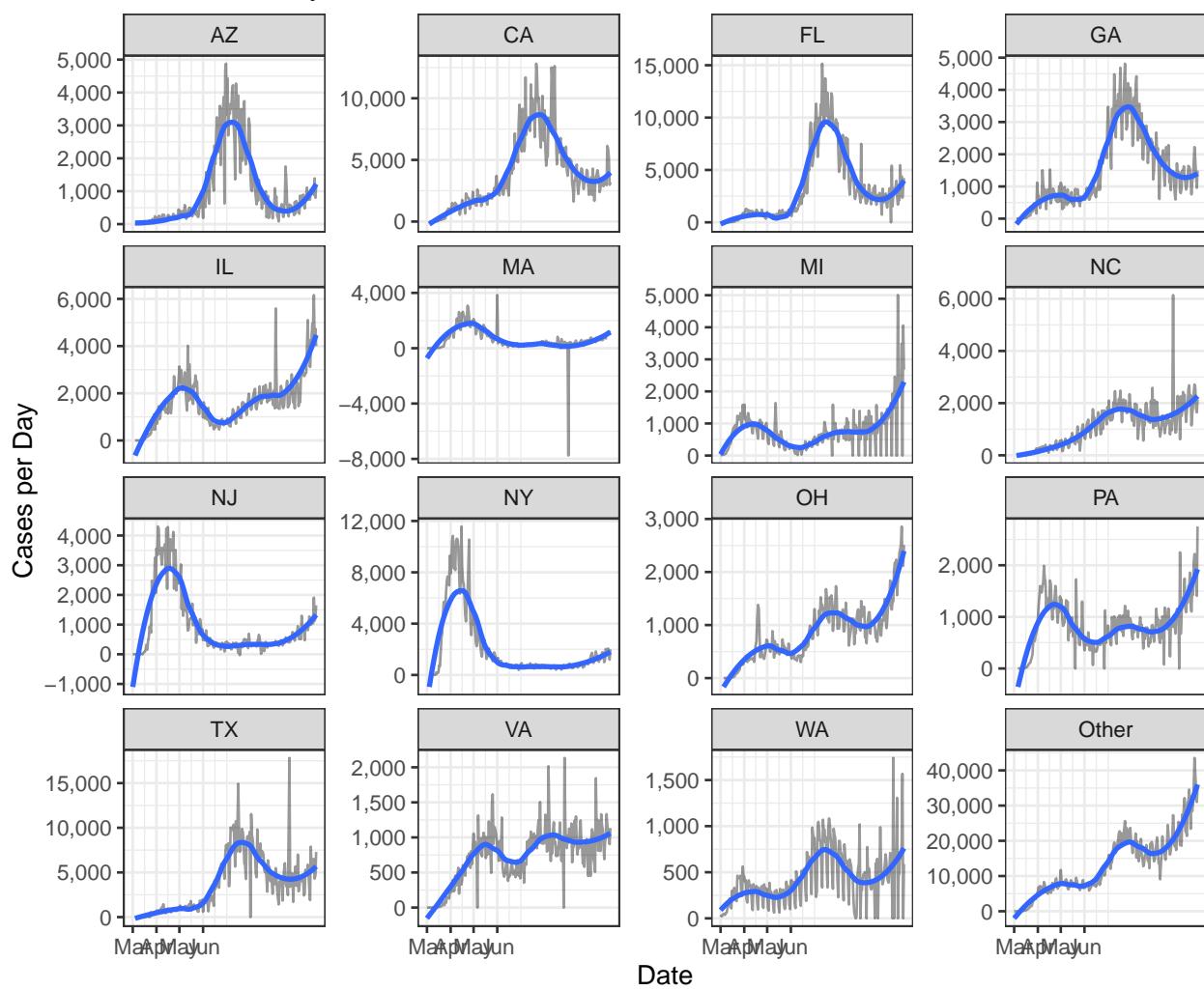


Cases

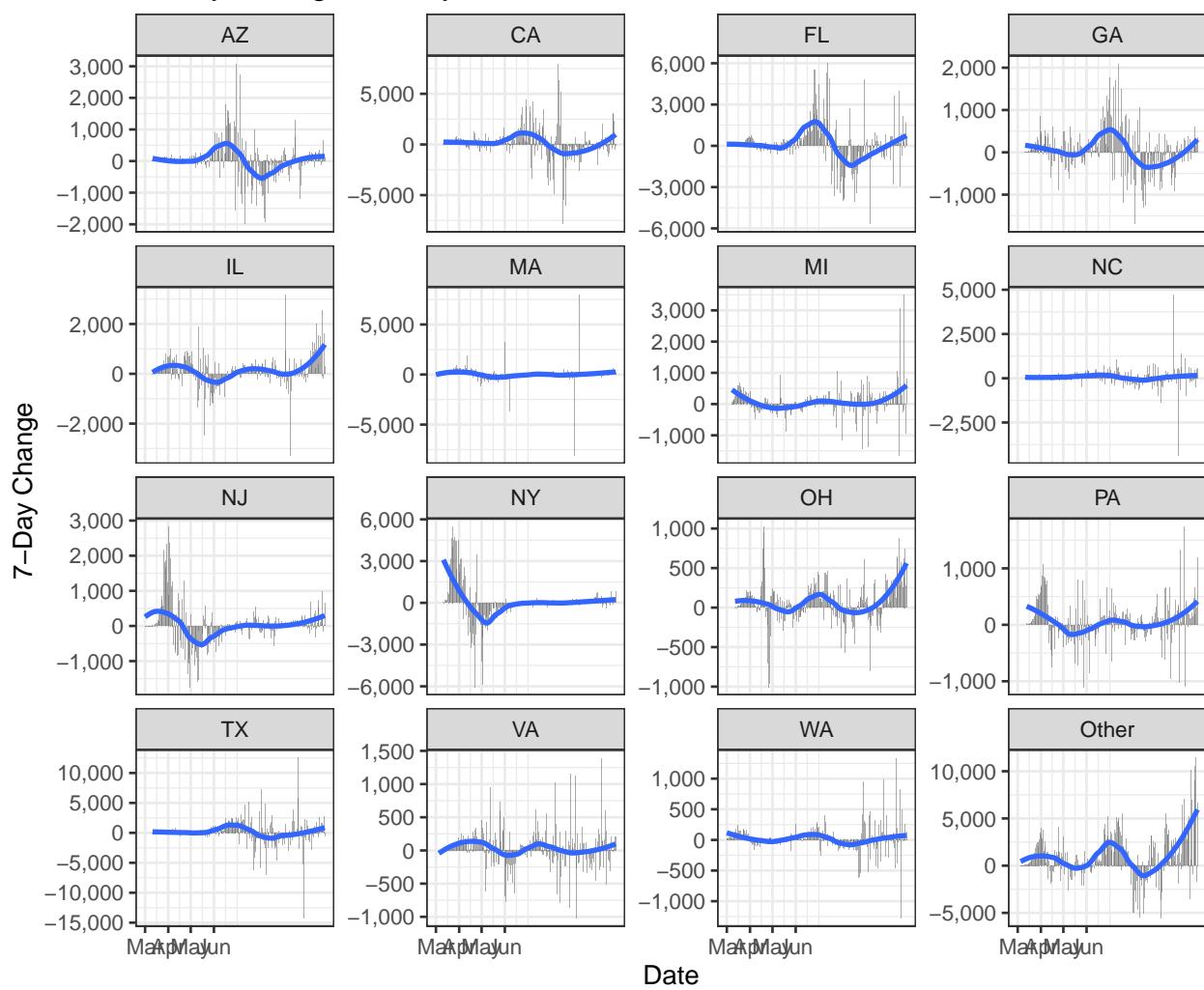
Cases by State

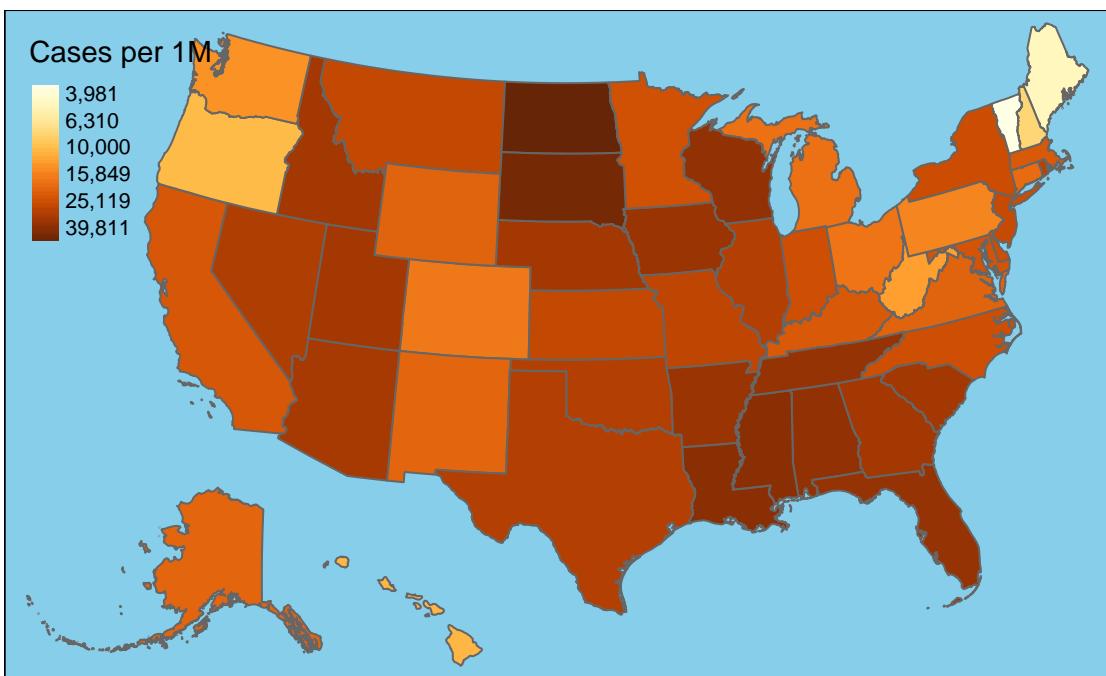
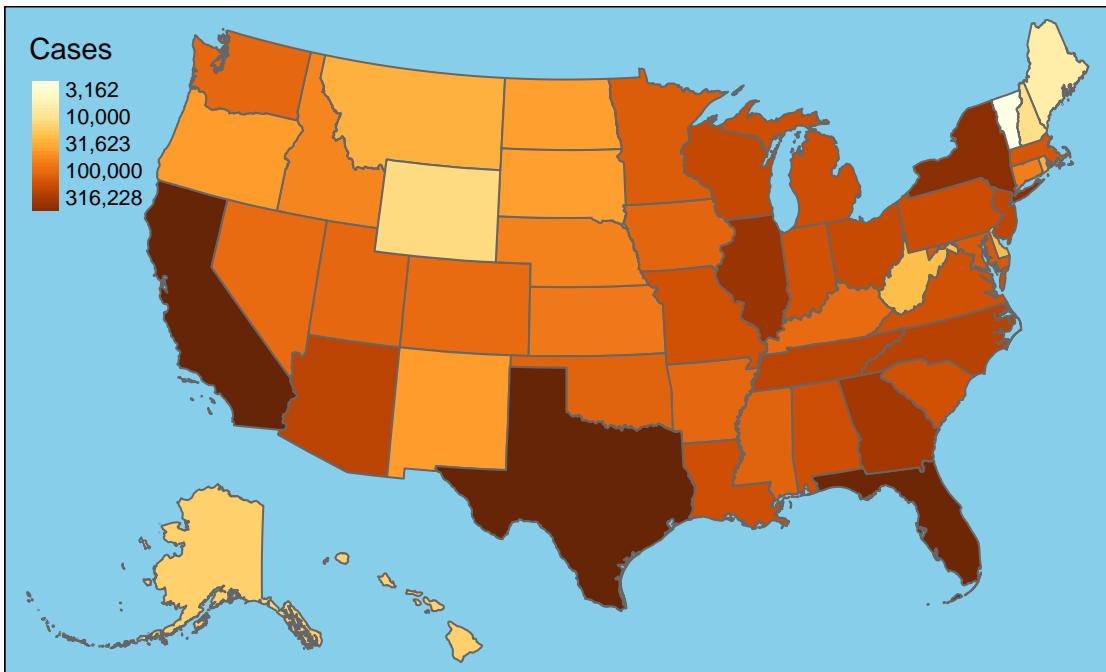


New Cases by State

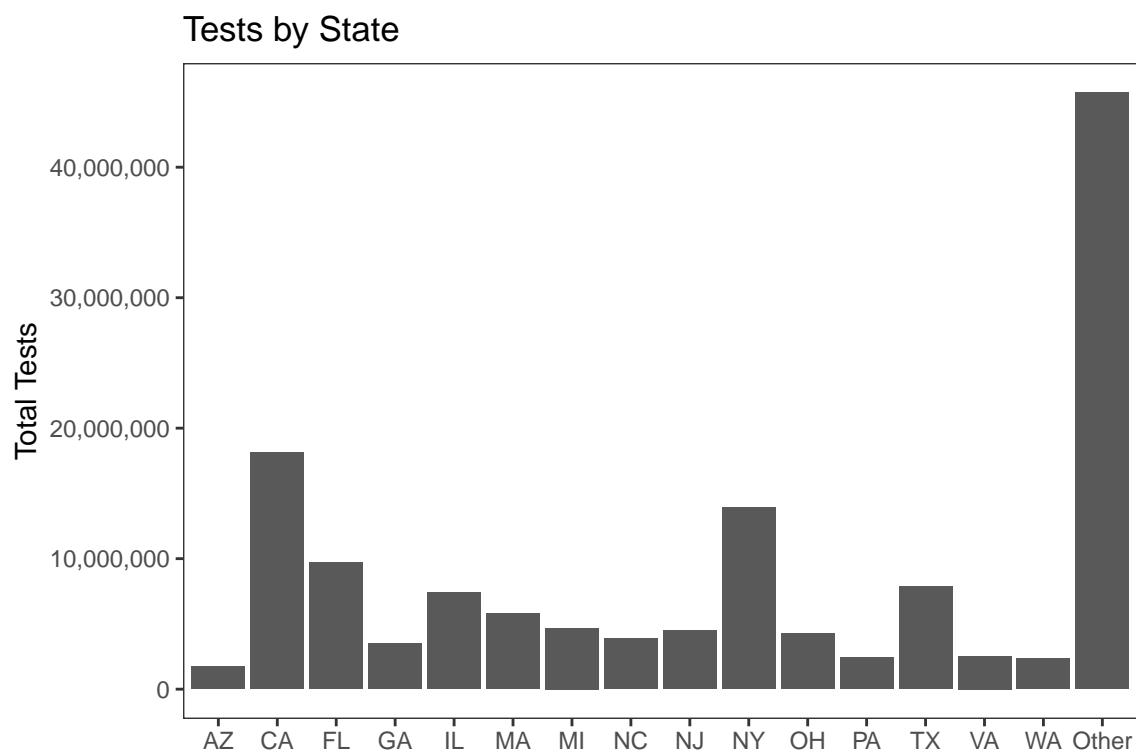


7-Day Change in Daily Cases

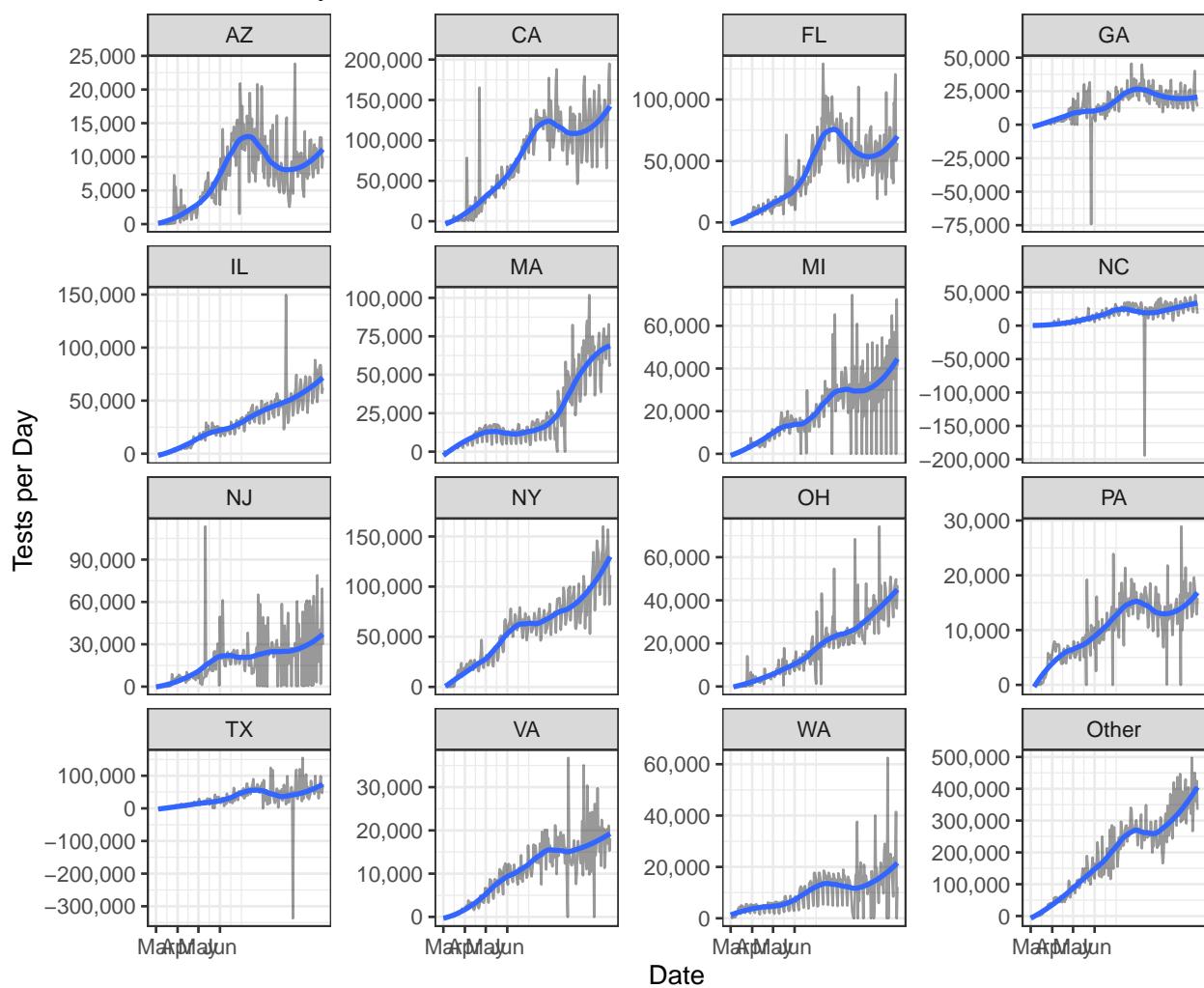


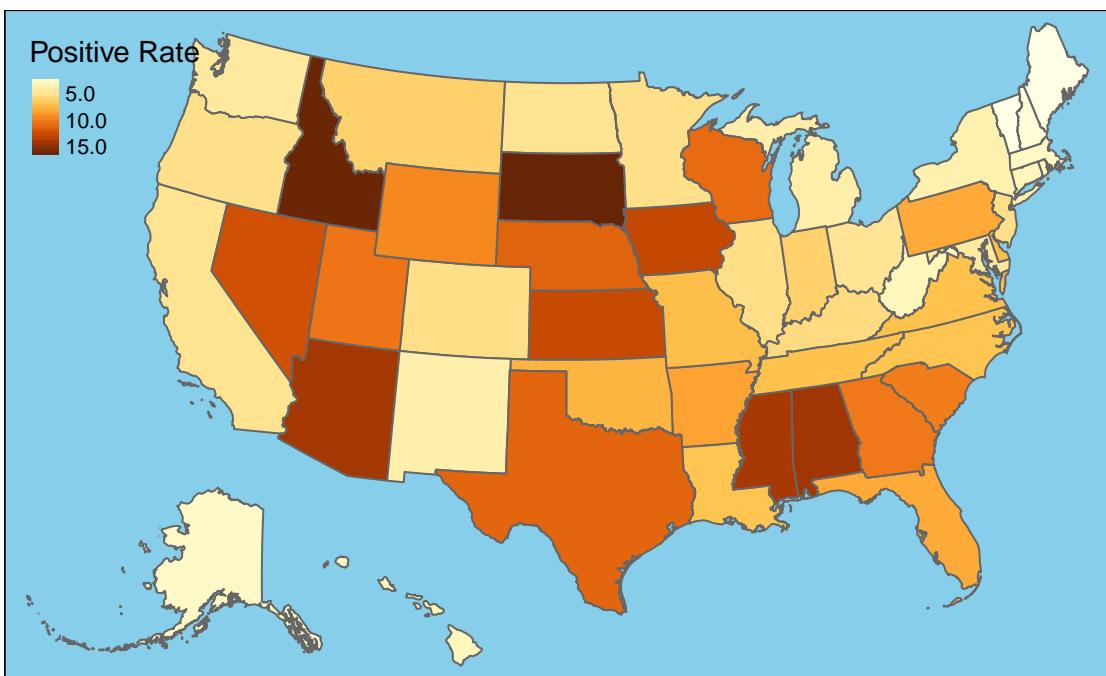
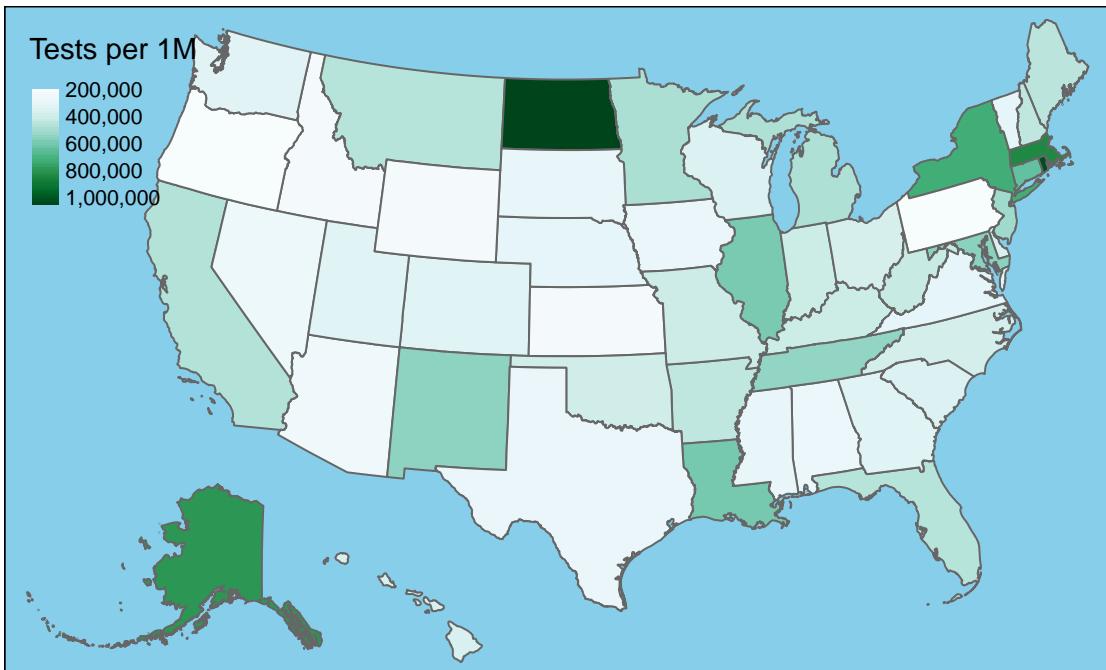


Testing



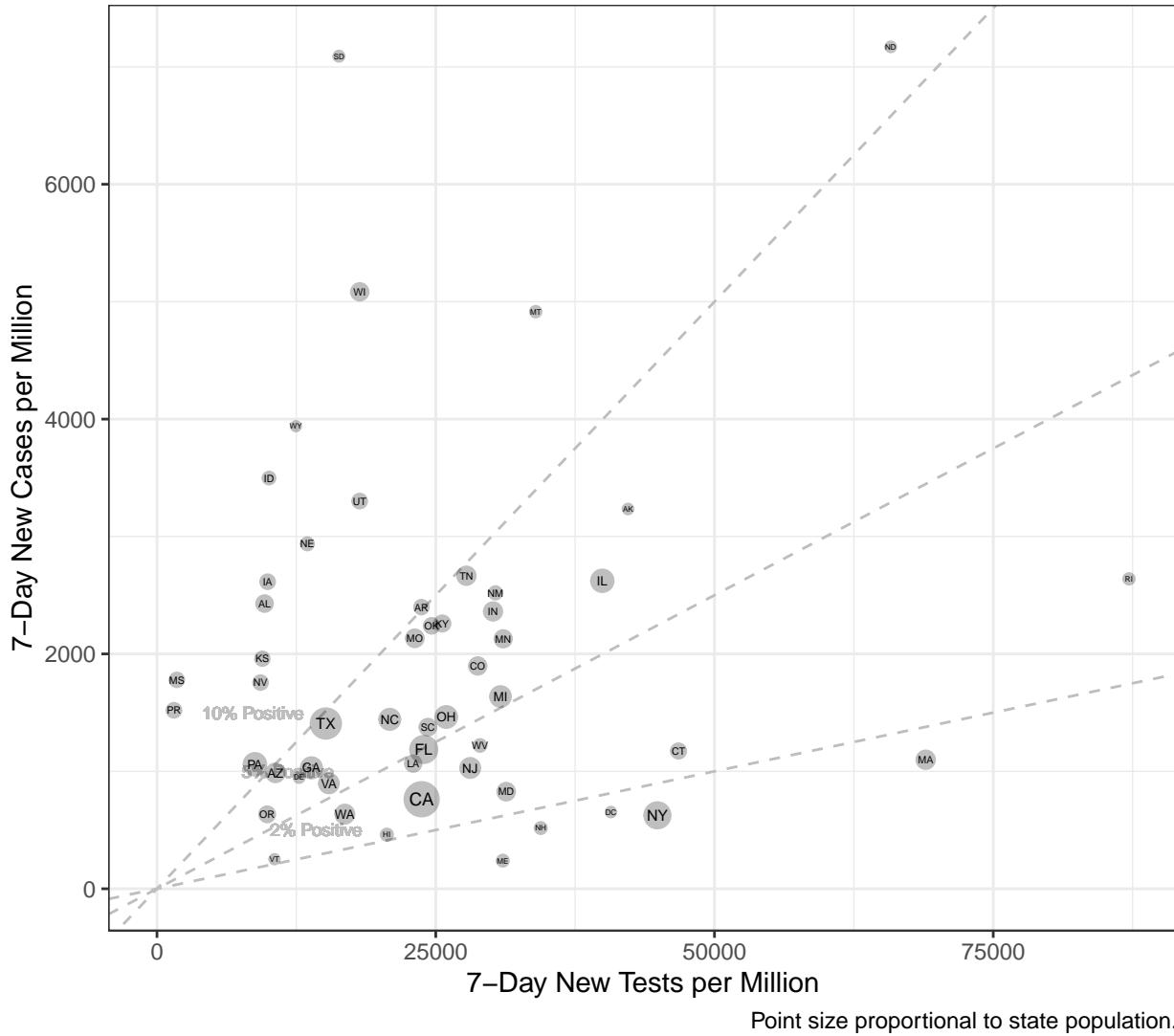
New Tests by State





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



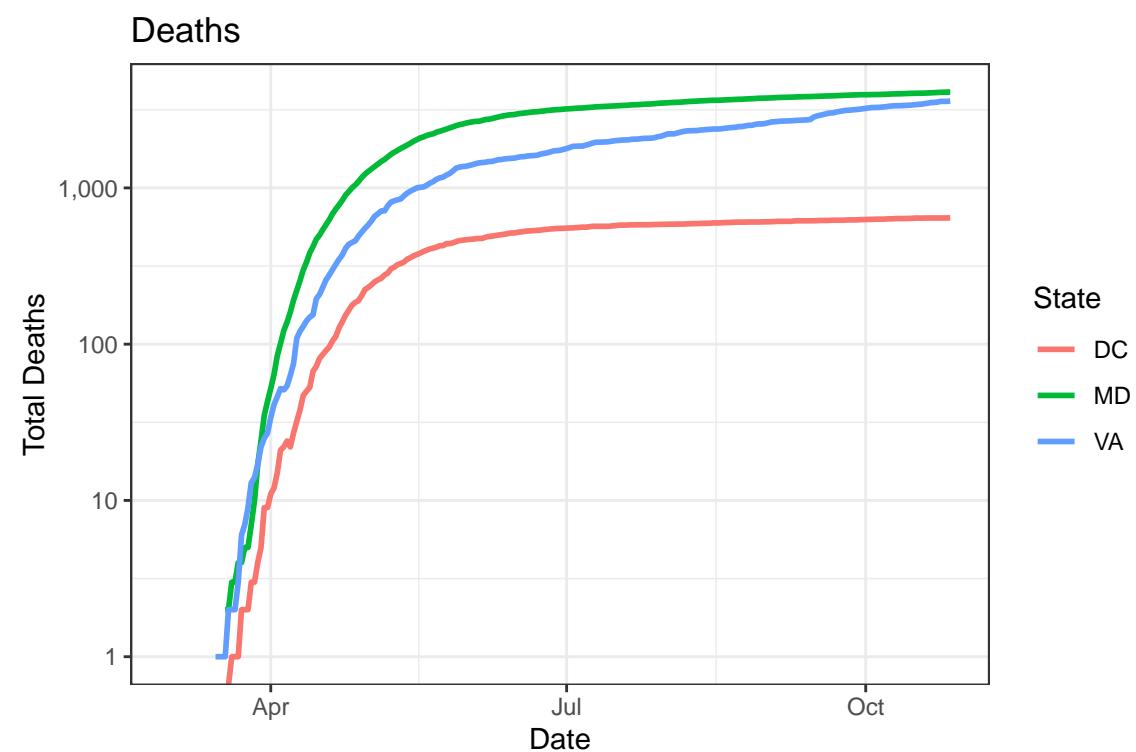
Local Data

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

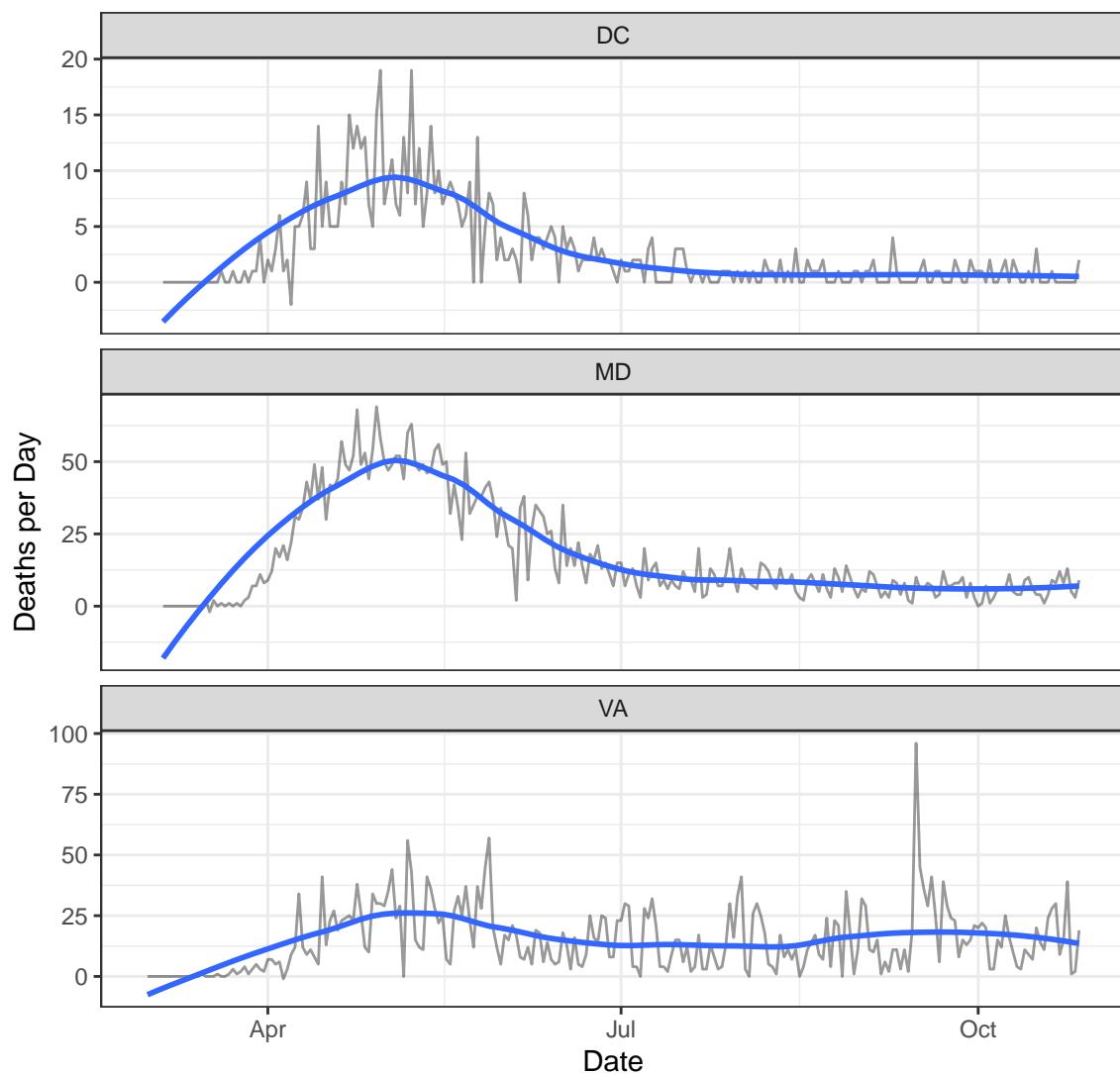
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	16,906	644	94	2
MD	141,741	4,108	897	9
VA	175,409	3,600	1,134	19

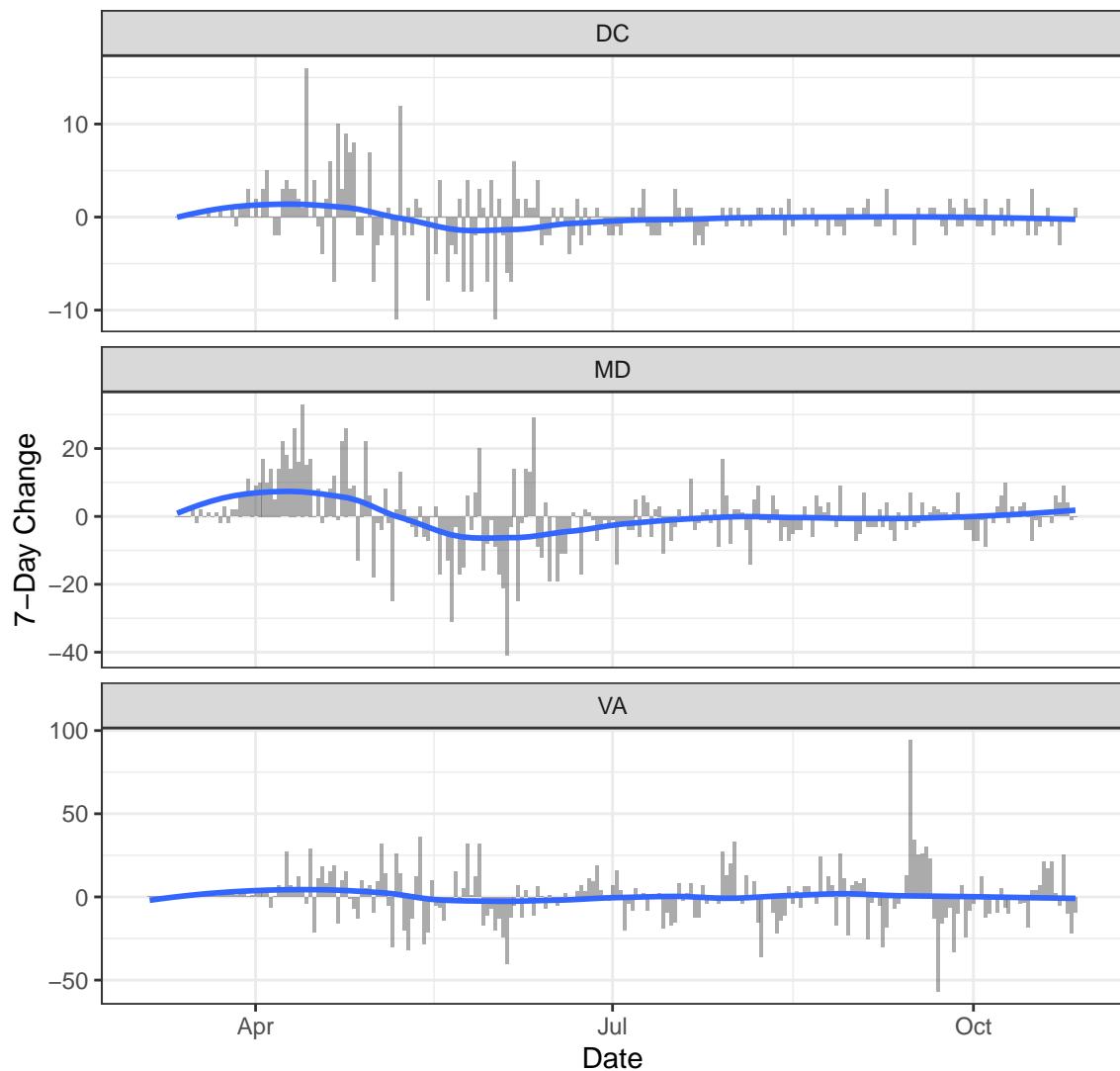
Deaths

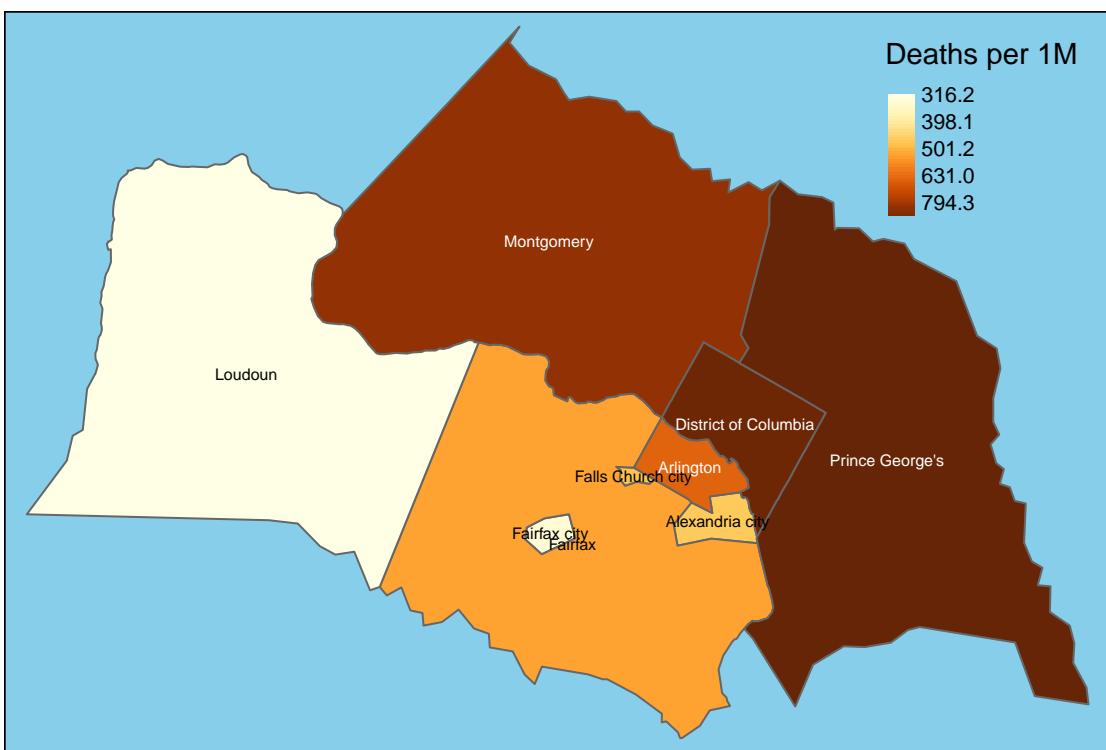
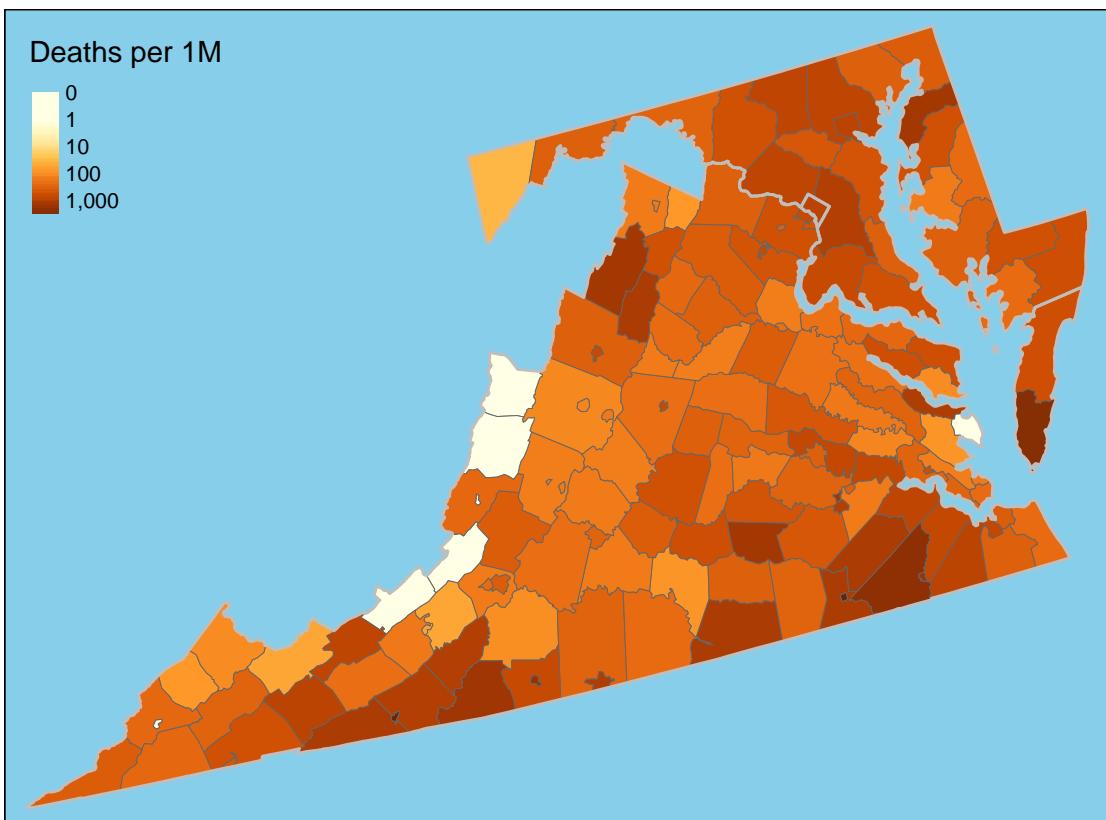


New Deaths

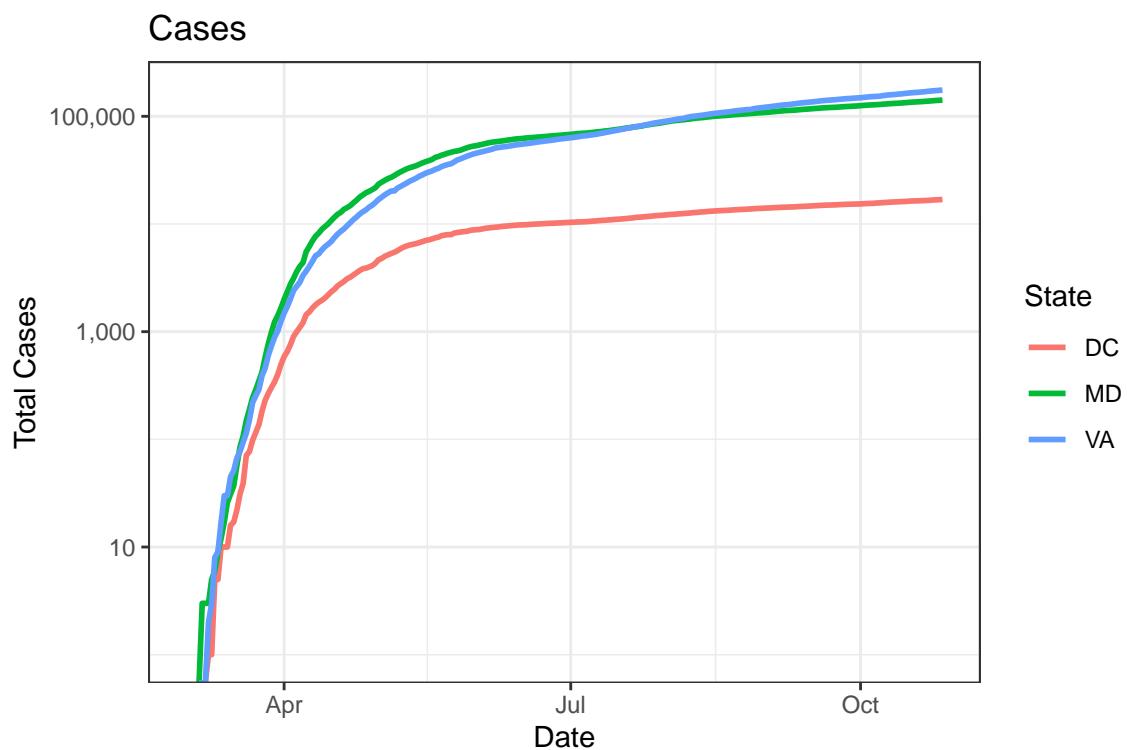


One-Week Change in Daily Deaths

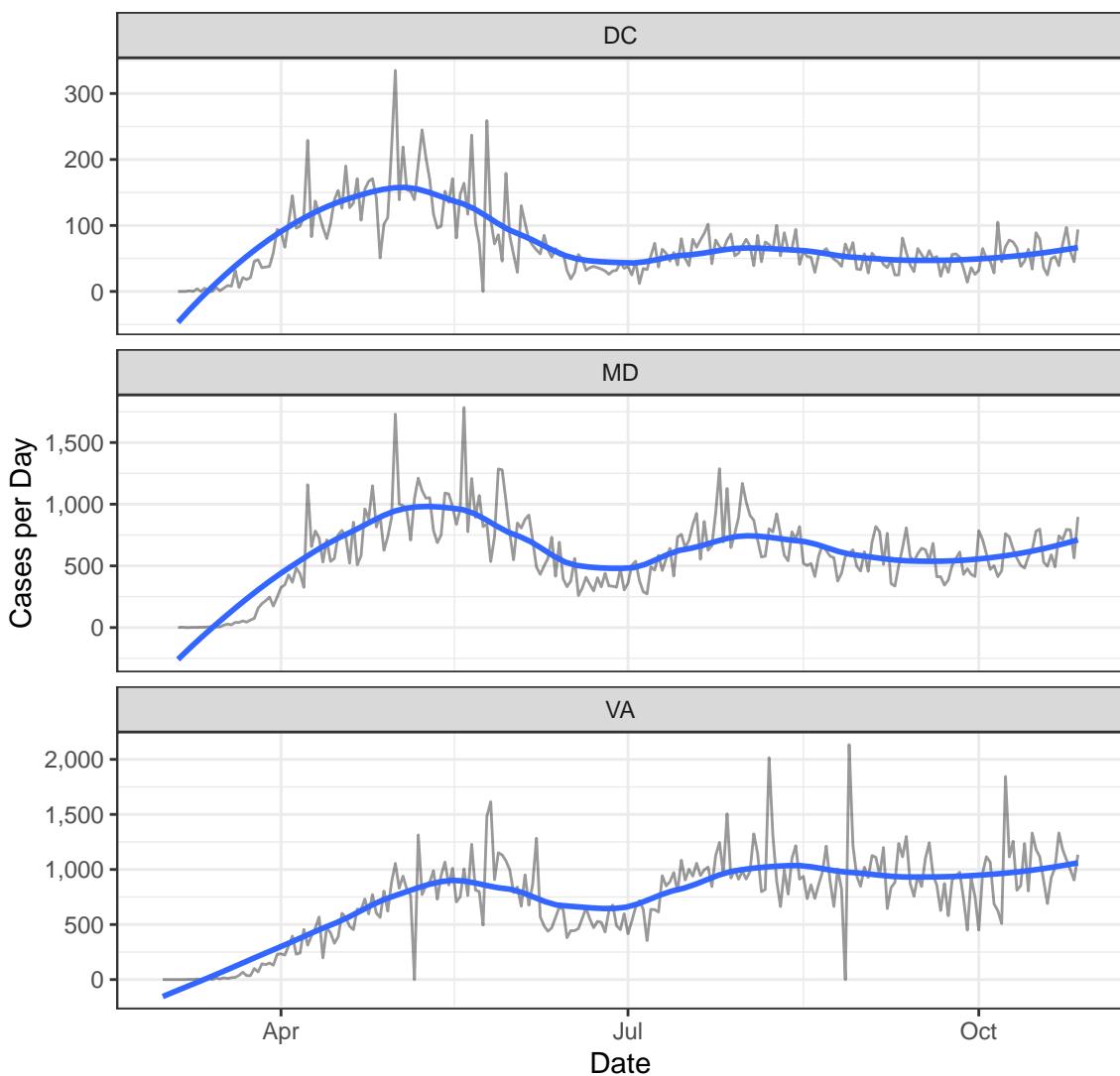




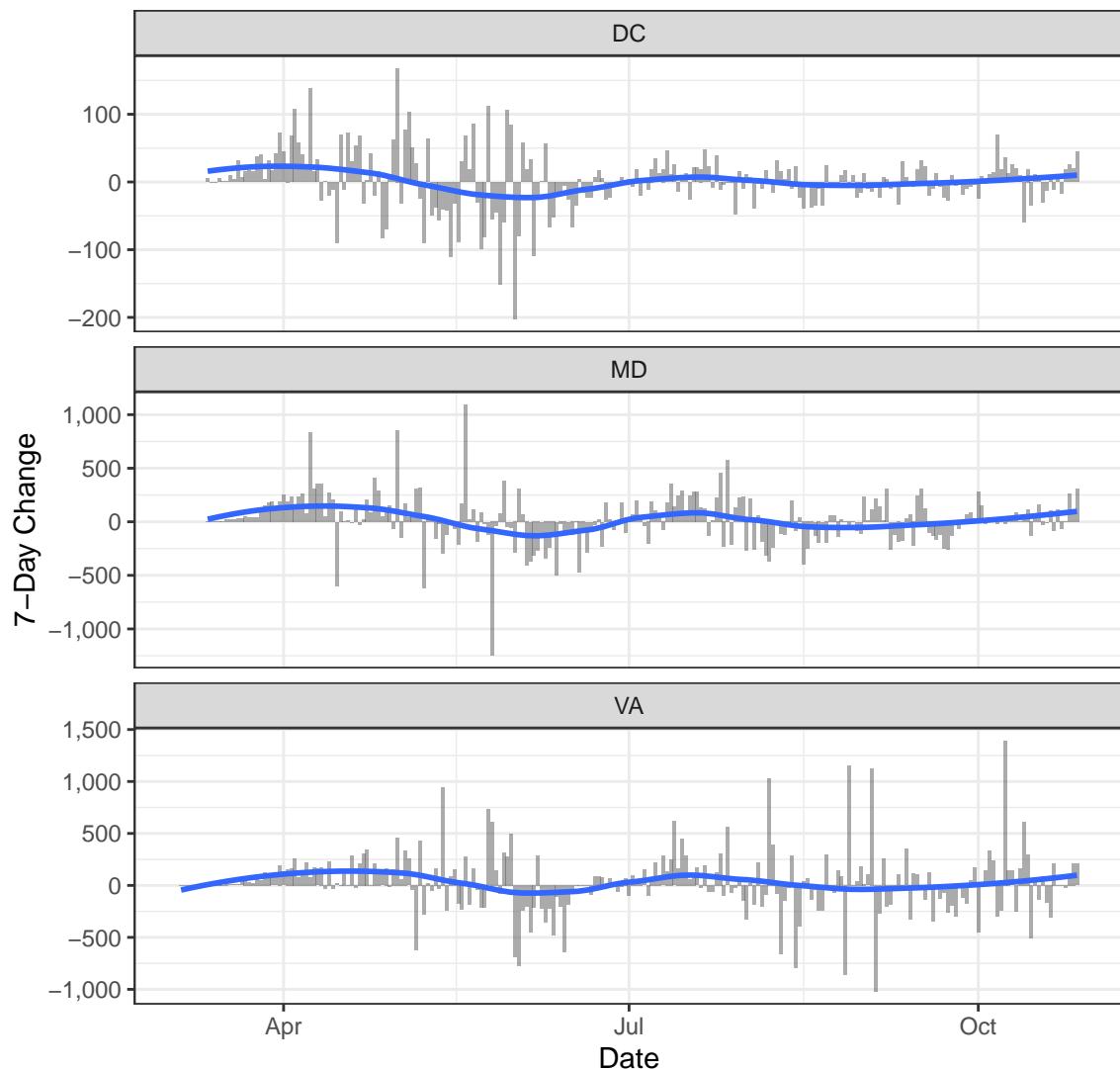
Cases

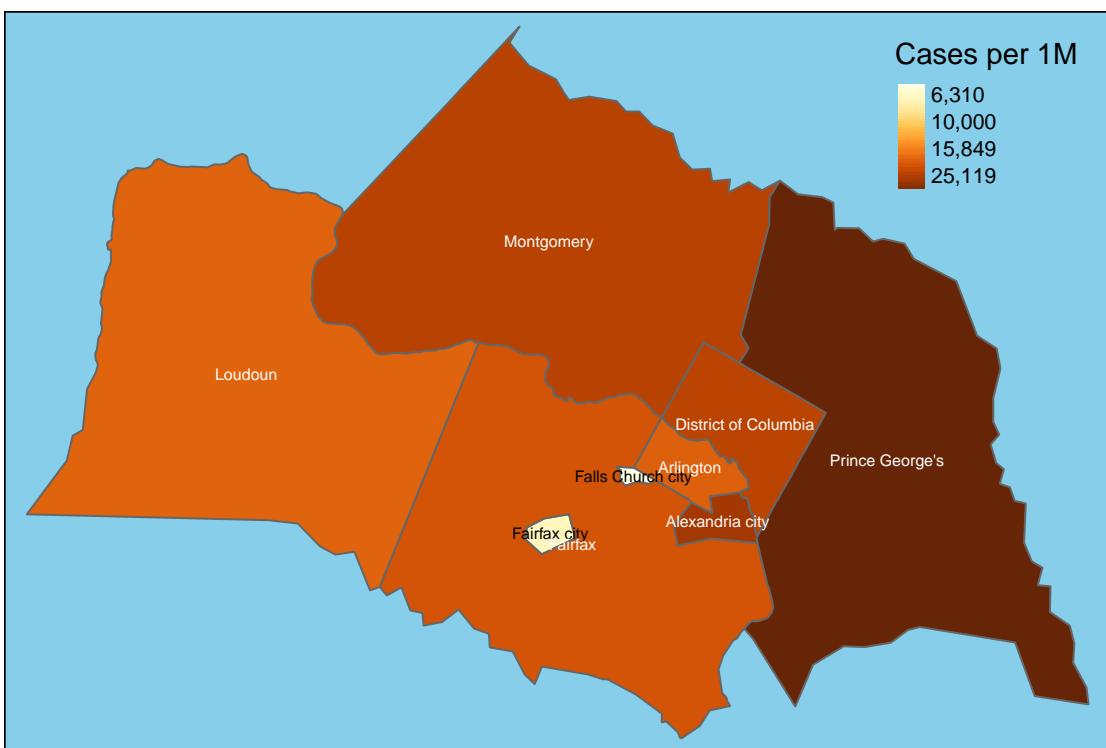
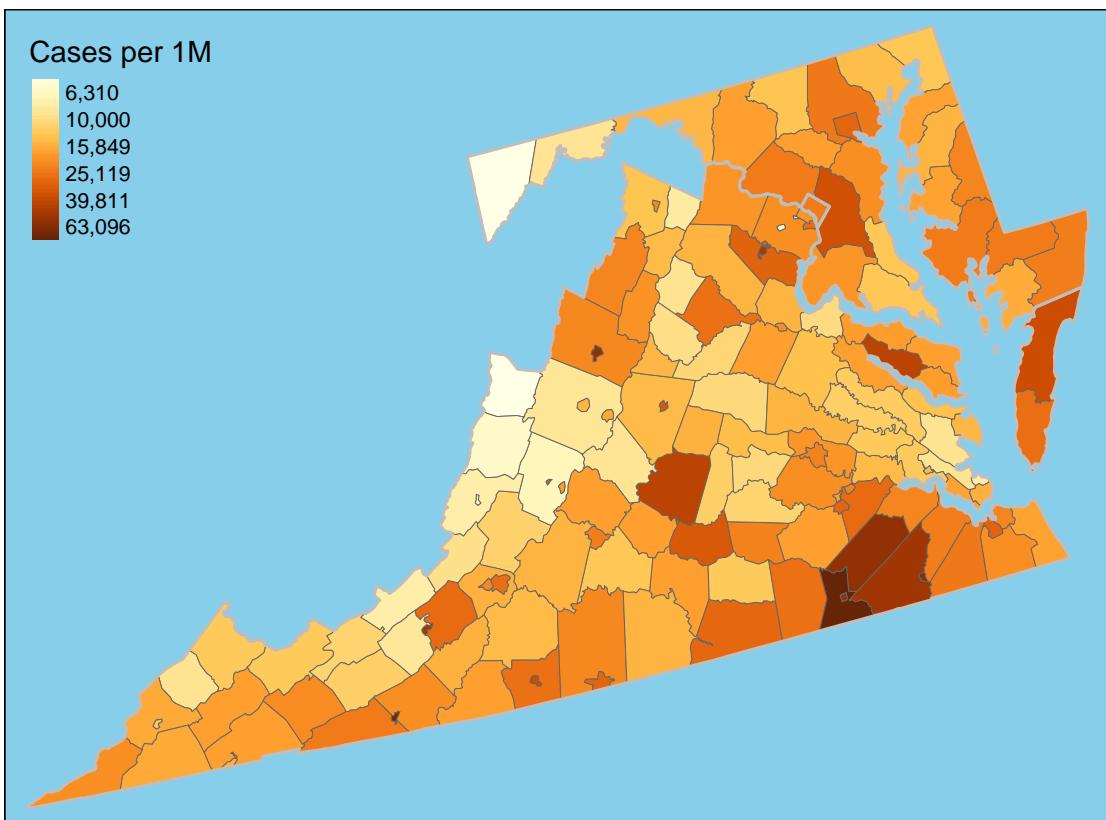


New Cases

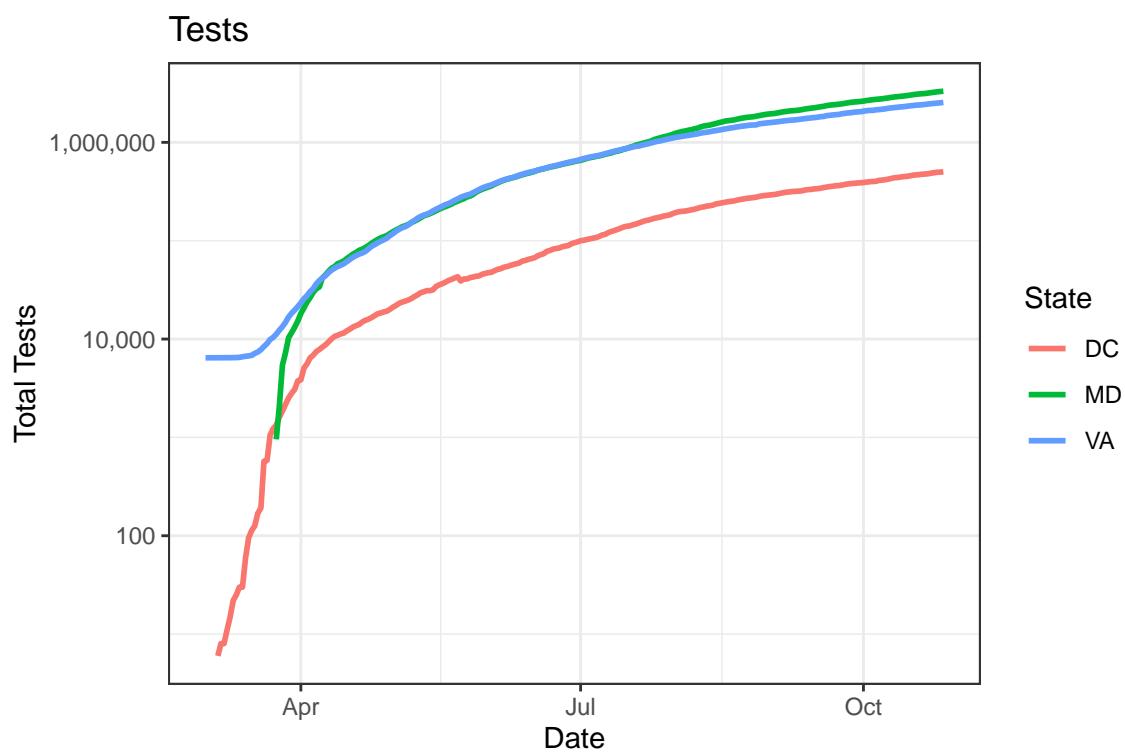


One-Week Change in Daily Cases

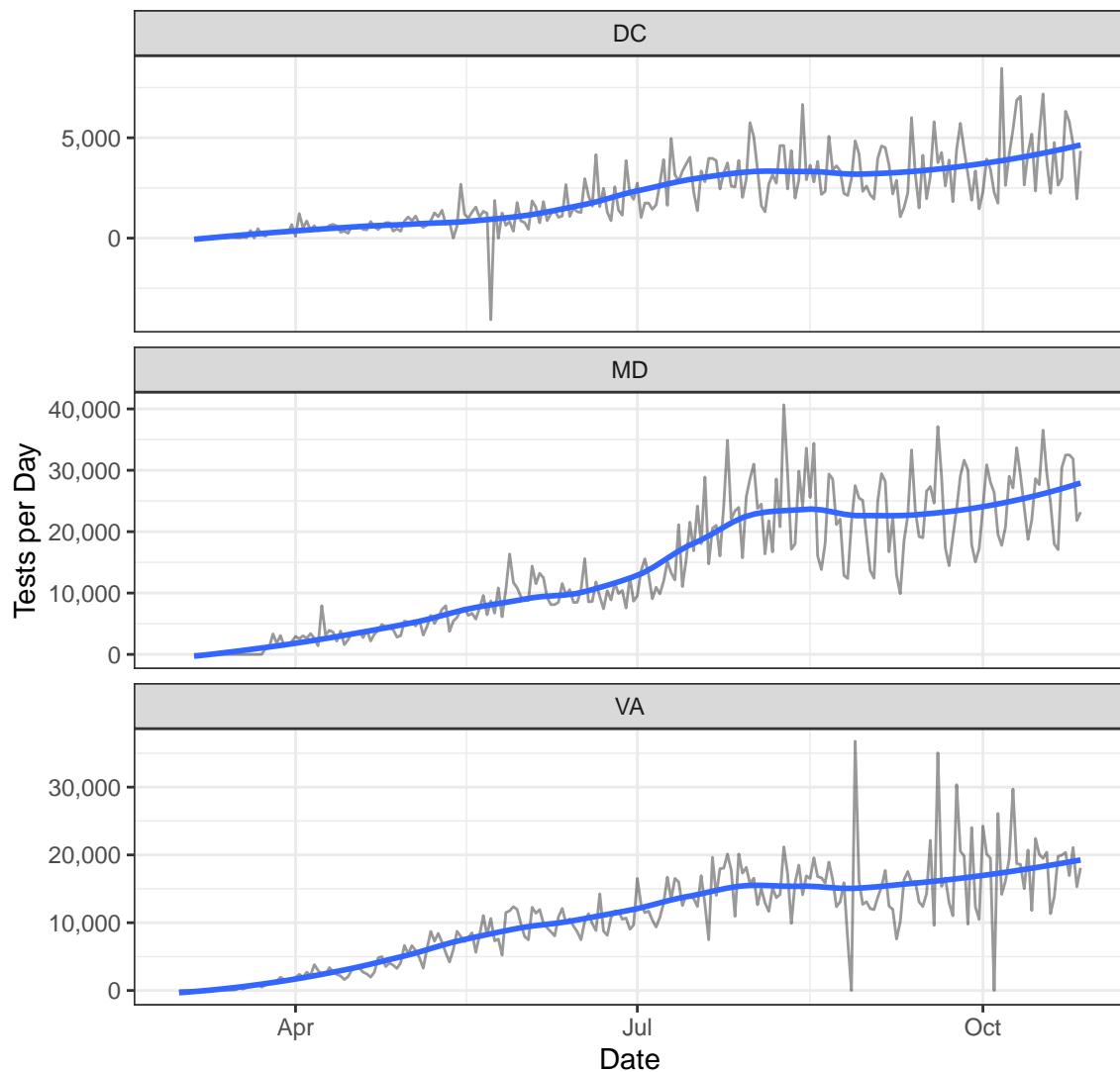




Testing



New Tests



Positive Test Rate

