

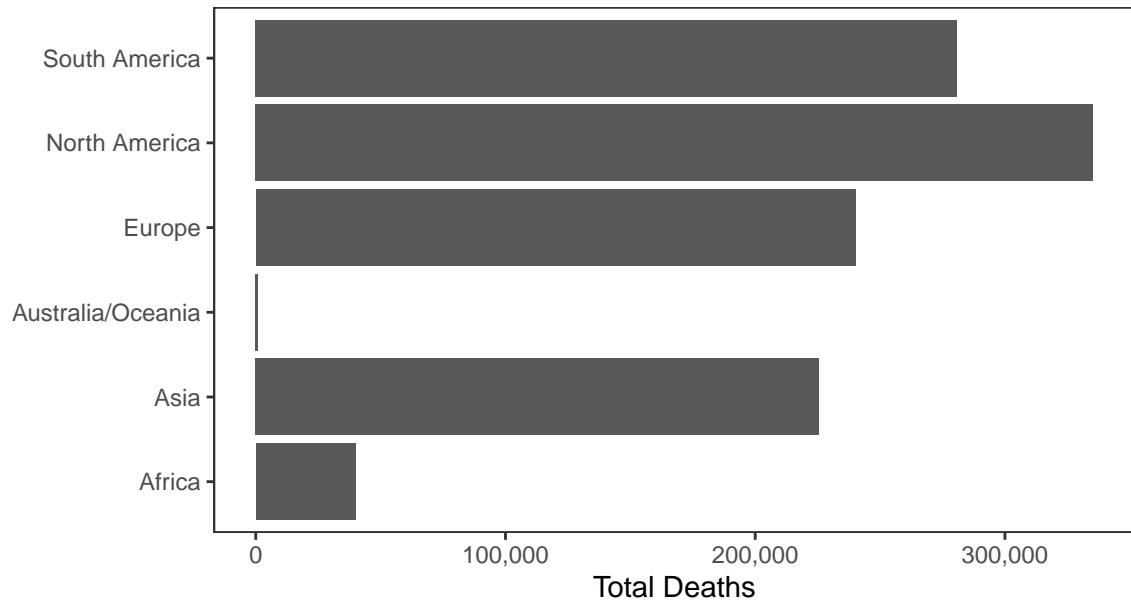
Erik's Covid-19 Chart Pack

Data updated 2020-10-20 07:47:33. 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 40,635,798 confirmed Covid-19 cases and 1,122,761 deaths worldwide.

Deaths



Cases

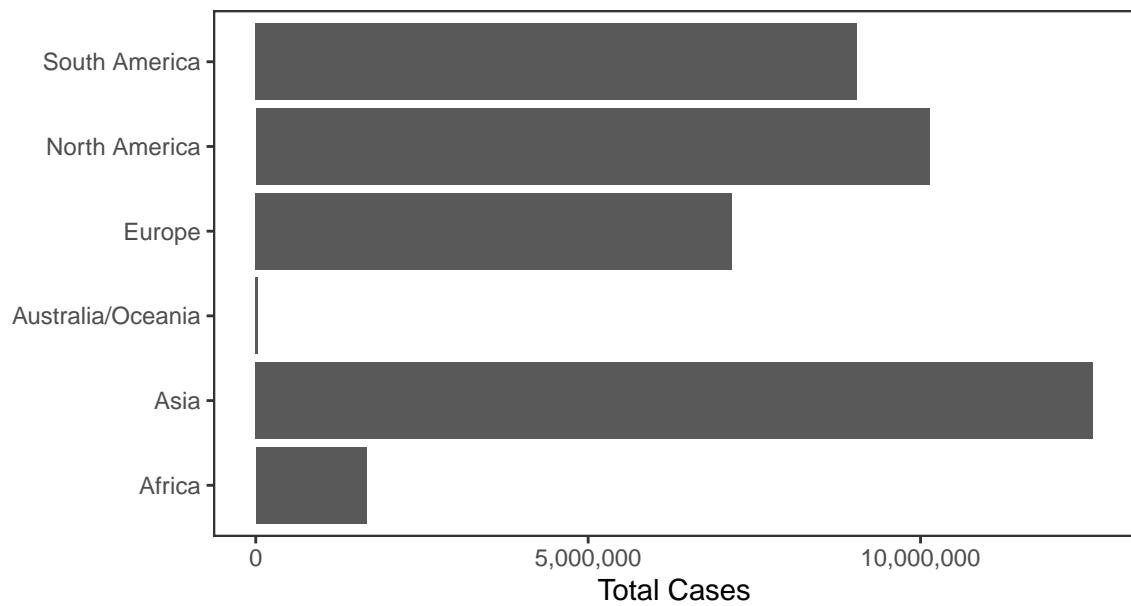
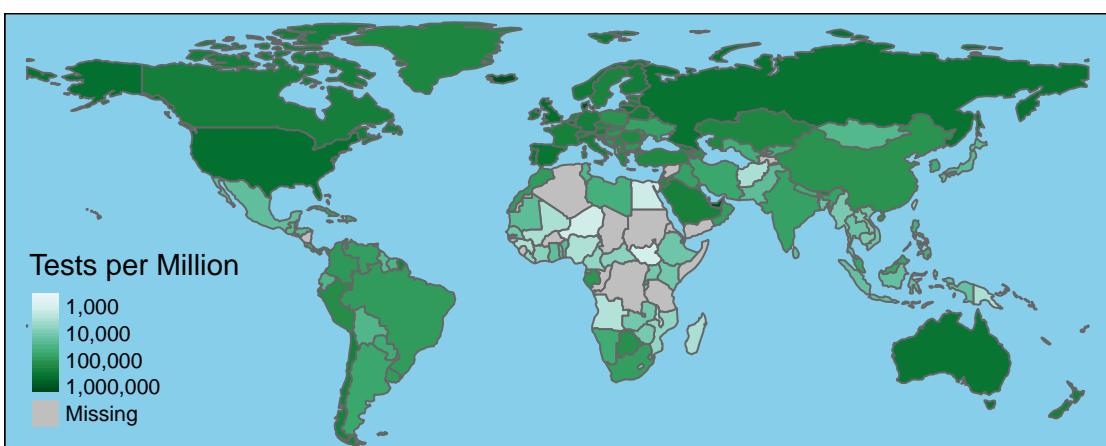
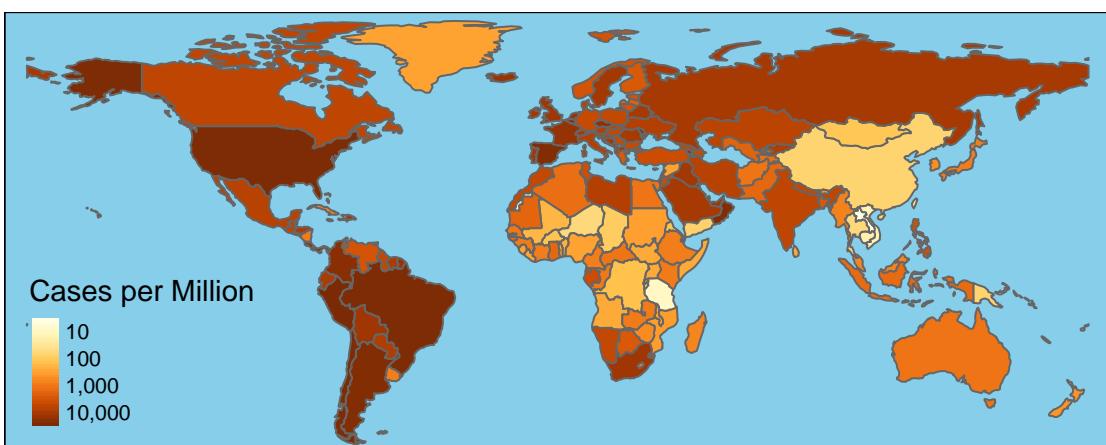
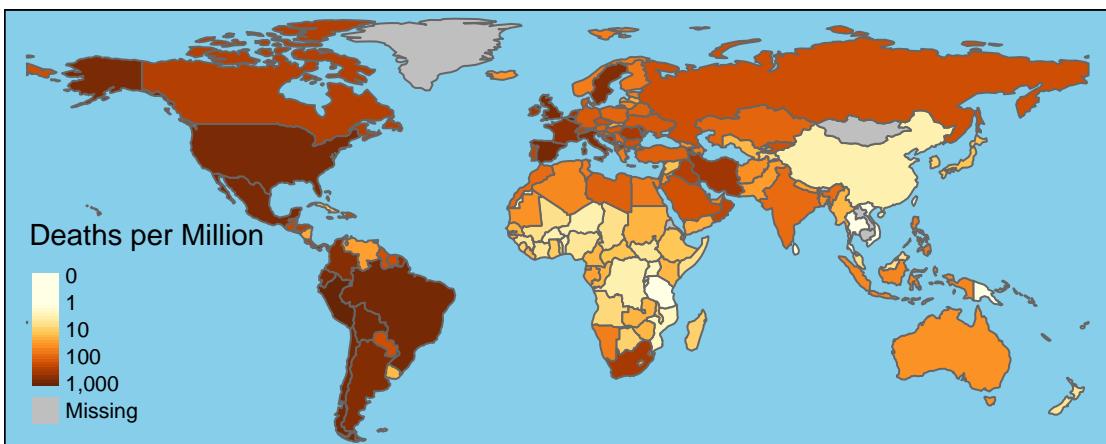


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	8,456,653	225,222	57,327	442
India	7,594,736	115,236	46,498	594
Brazil	5,251,127	154,226	15,783	321
Russia	1,415,316	24,366	15,982	179
Spain	1,015,795	33,992	12,214	73
Argentina	1,002,662	26,716	12,982	449
Colombia	965,883	29,102	6,311	132
France	910,277	33,623	13,243	146
Peru	870,876	33,820	2,201	61
Mexico	851,227	86,167	4,119	108
UK	741,212	43,726	18,804	80
South Africa	705,254	18,492	1,461	21
Iran	534,631	30,712	4,251	337
Chile	493,305	13,676	1,545	41
Iraq	430,678	10,317	4,044	63
Italy	423,578	36,616	9,338	73
Bangladesh	390,206	5,681	1,637	21
Germany	373,731	9,899	6,750	33
Indonesia	365,240	12,617	3,373	106
Philippines	359,135	6,673	2,604	24



National Data

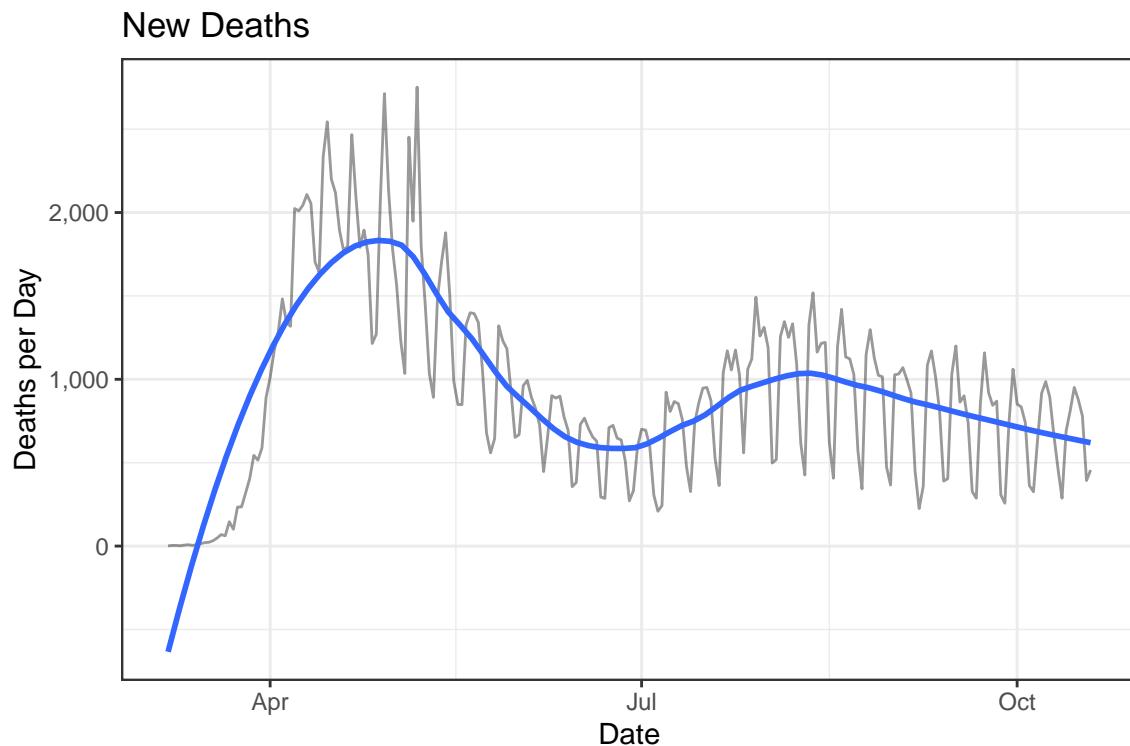
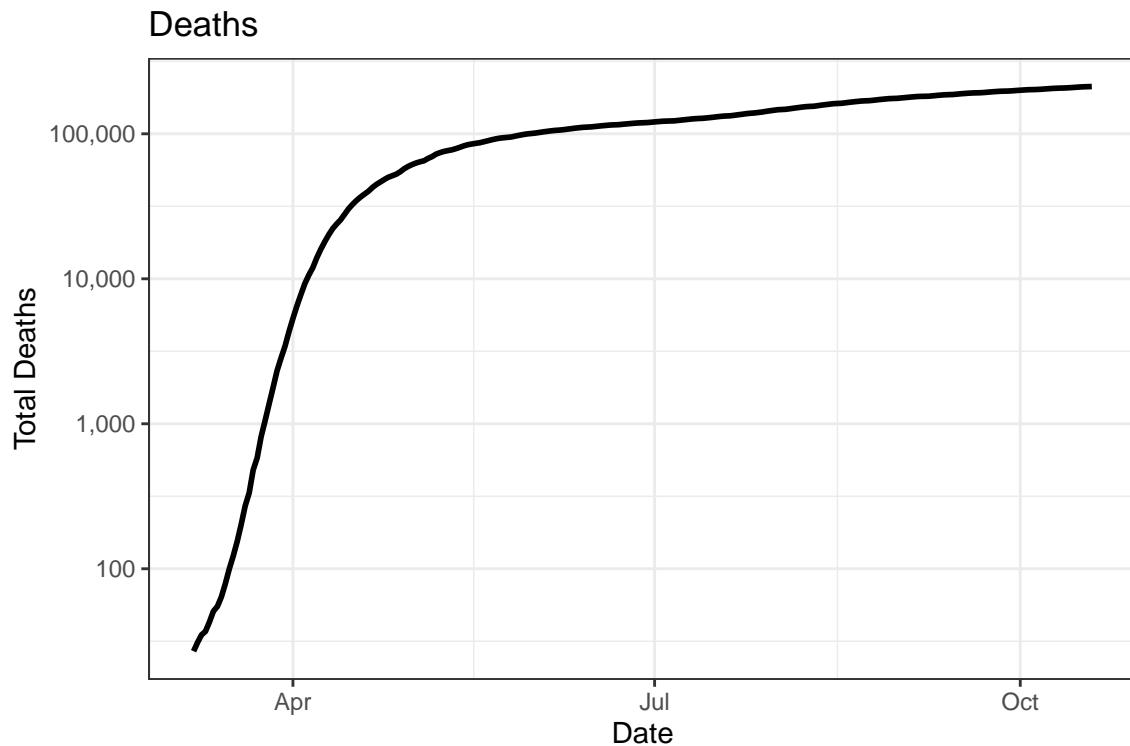
There have been 8,171,703 confirmed Covid-19 cases and 211,846 deaths in the United States.

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

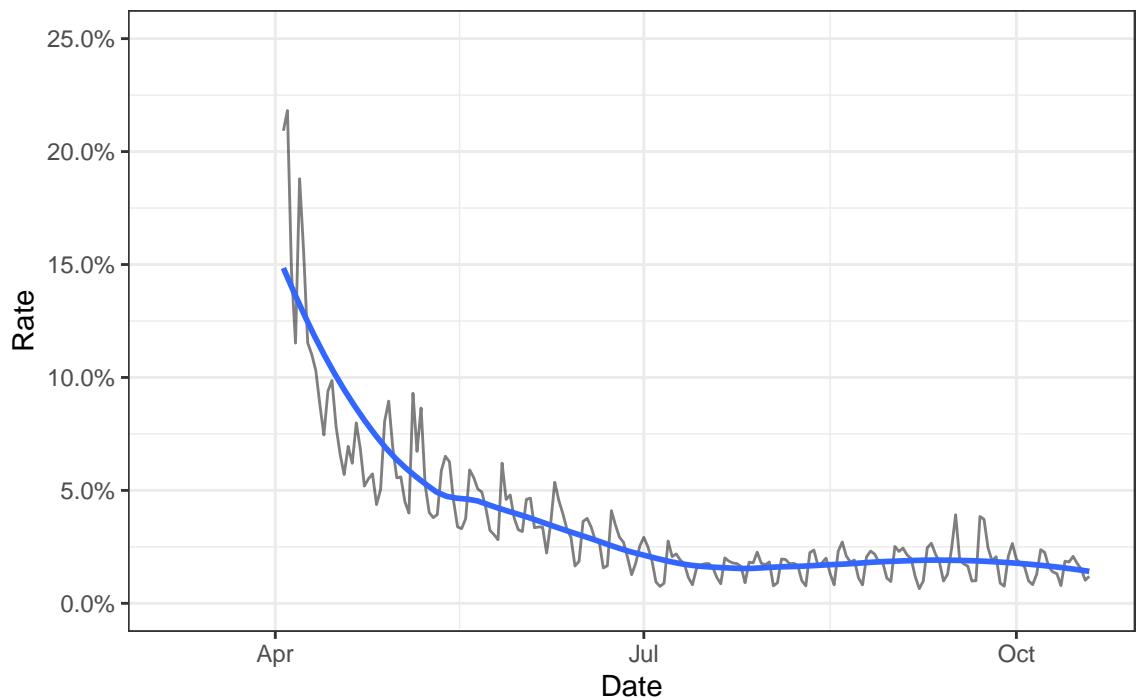
Date	Cases	Deaths	New Cases	New Deaths
2020-10-19	8,171,703	211,846	57,148	456
2020-10-18	8,114,555	211,390	48,922	393
2020-10-17	8,065,633	210,997	57,943	780
2020-10-16	8,007,690	210,217	68,124	877
2020-10-15	7,939,566	209,340	63,172	951
2020-10-14	7,876,394	208,389	56,797	811
2020-10-13	7,819,597	207,578	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
2020-10-08	7,566,588	204,577	55,352	986
2020-10-07	7,511,236	203,591	50,602	916
2020-10-06	7,460,634	202,675	38,661	634

Deaths

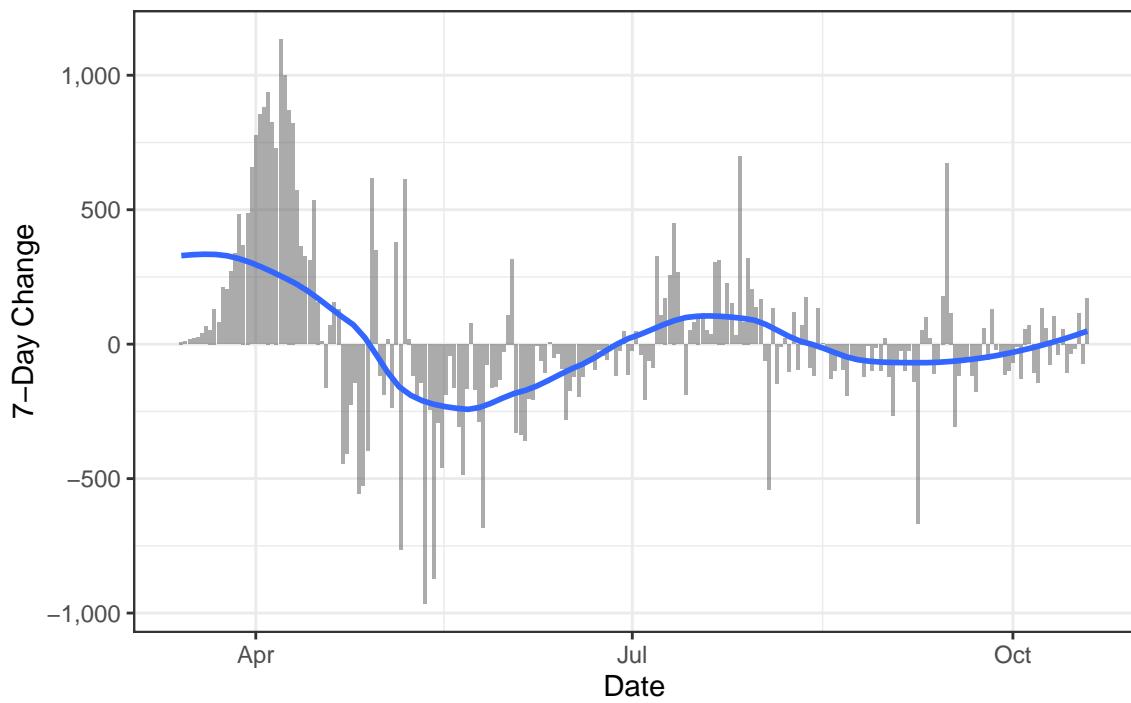
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

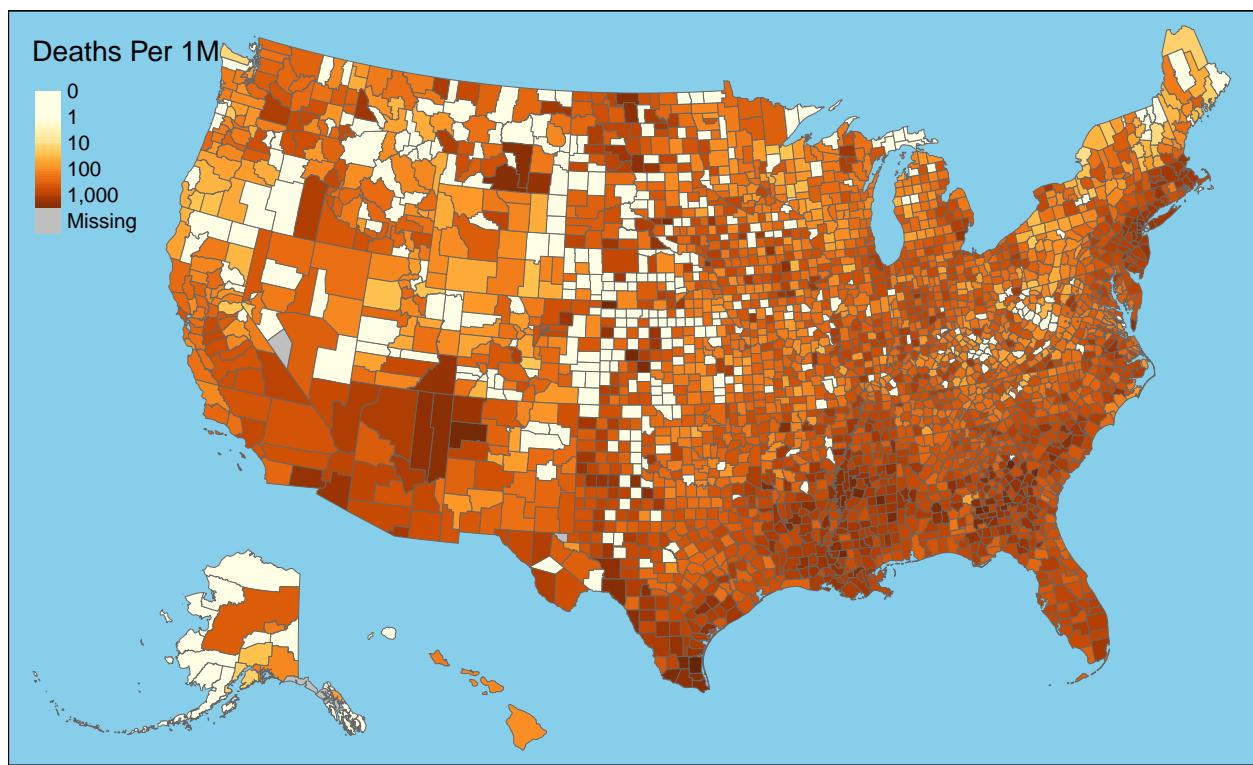


Daily Case Mortality Rate



One-Week Change in Daily Deaths

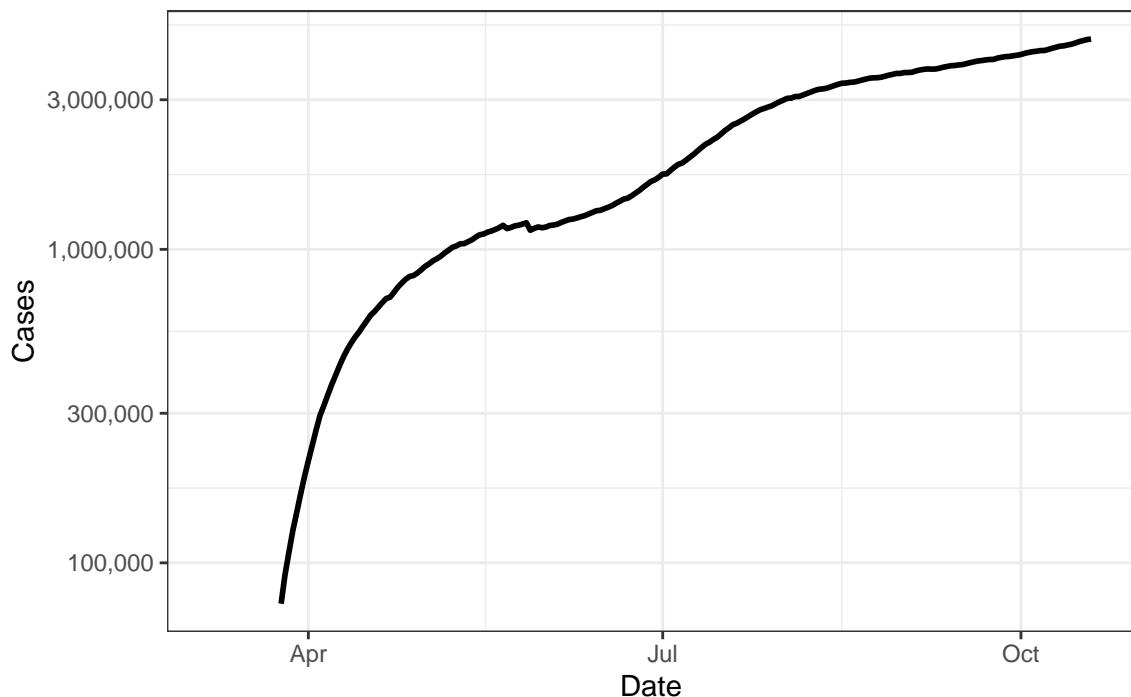




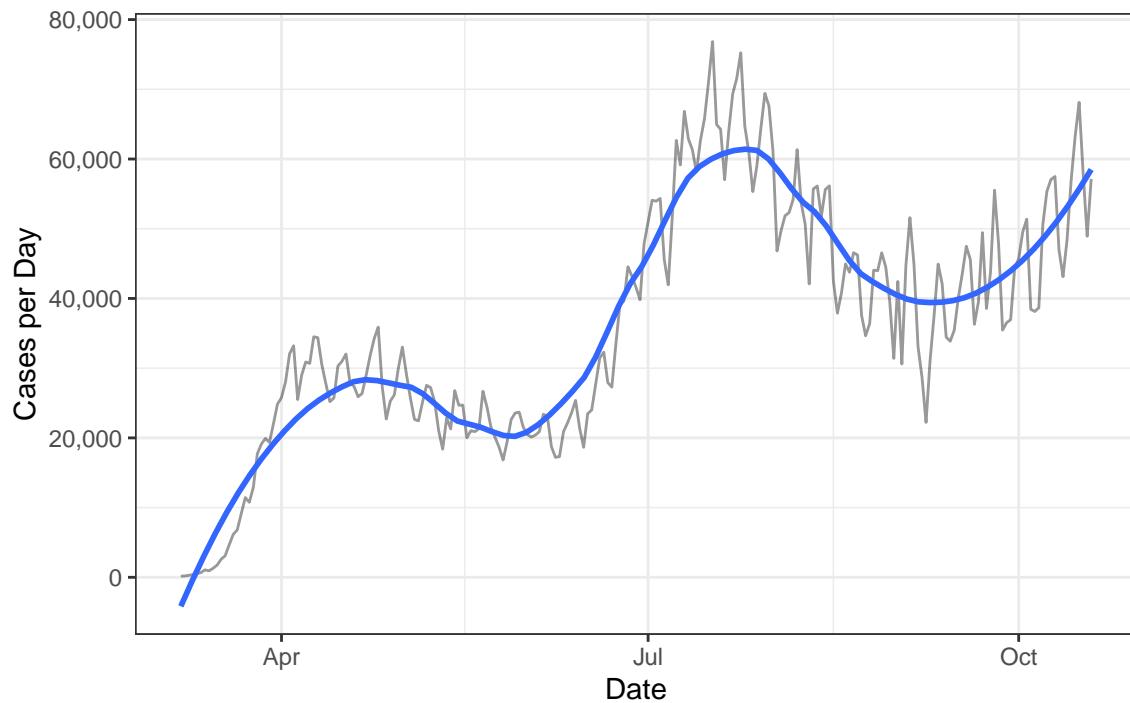
Cases

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

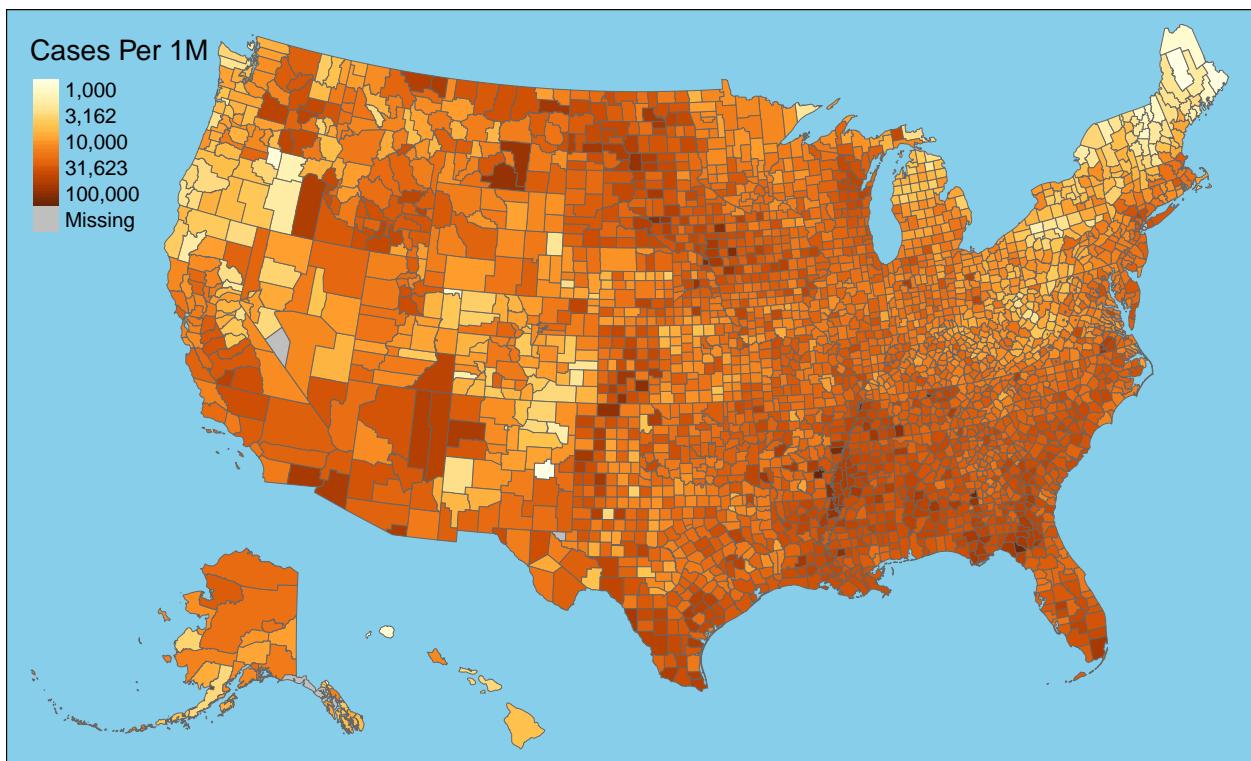
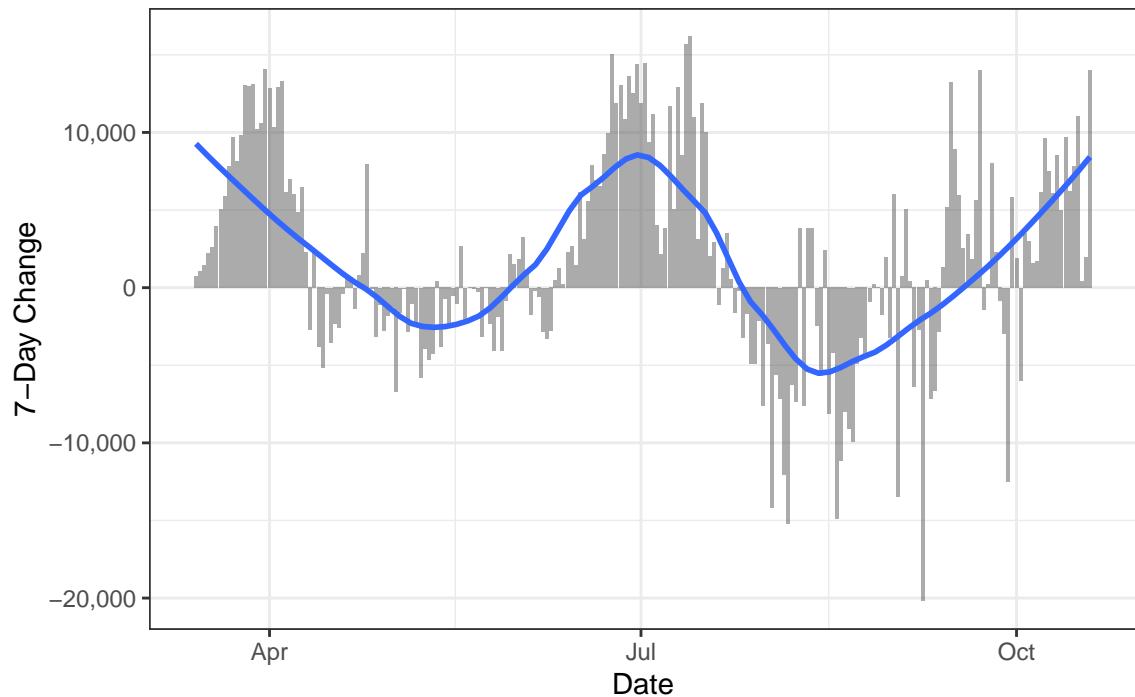
Active Cases



New Cases

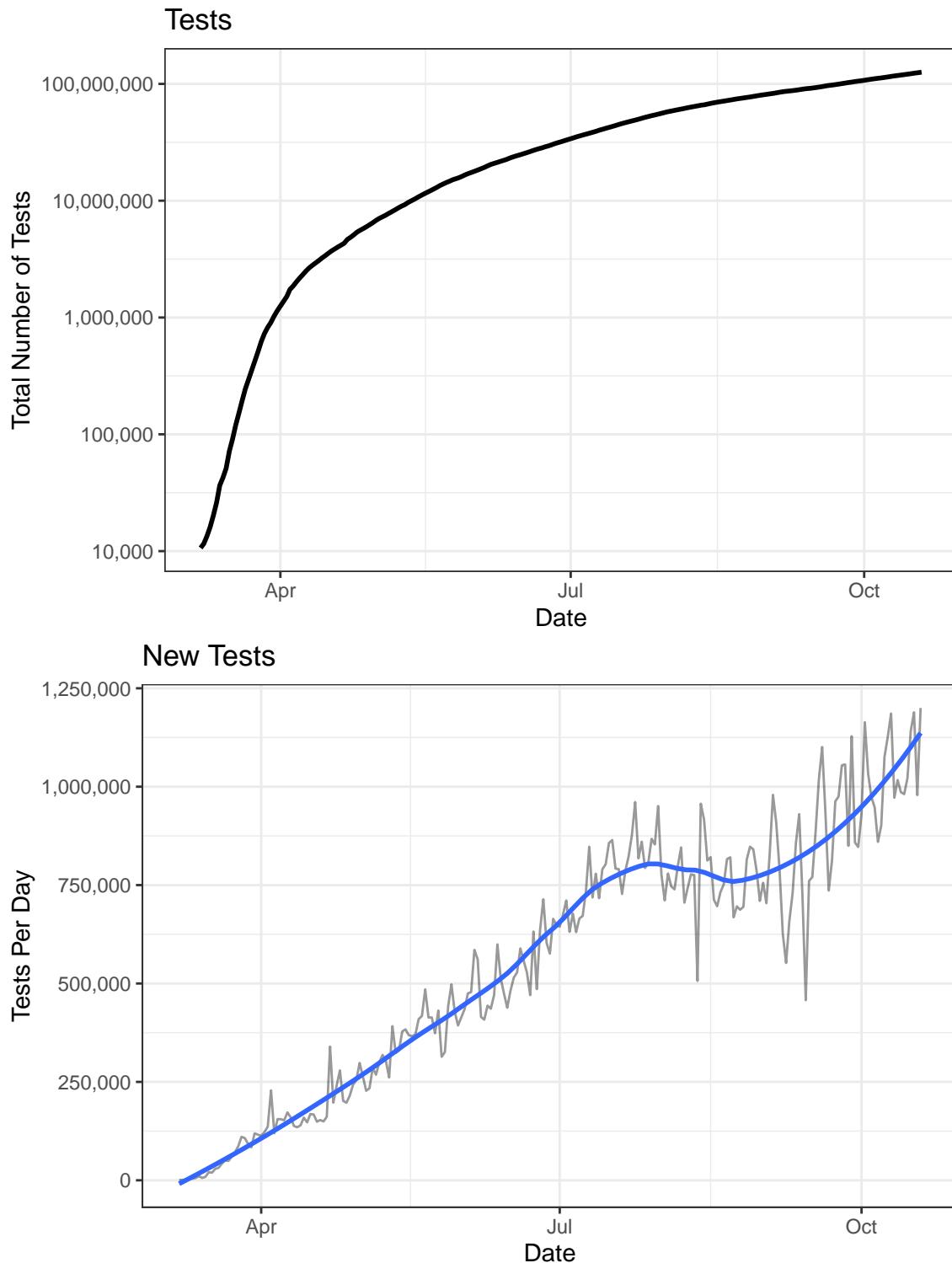


One-Week Change in Daily Cases

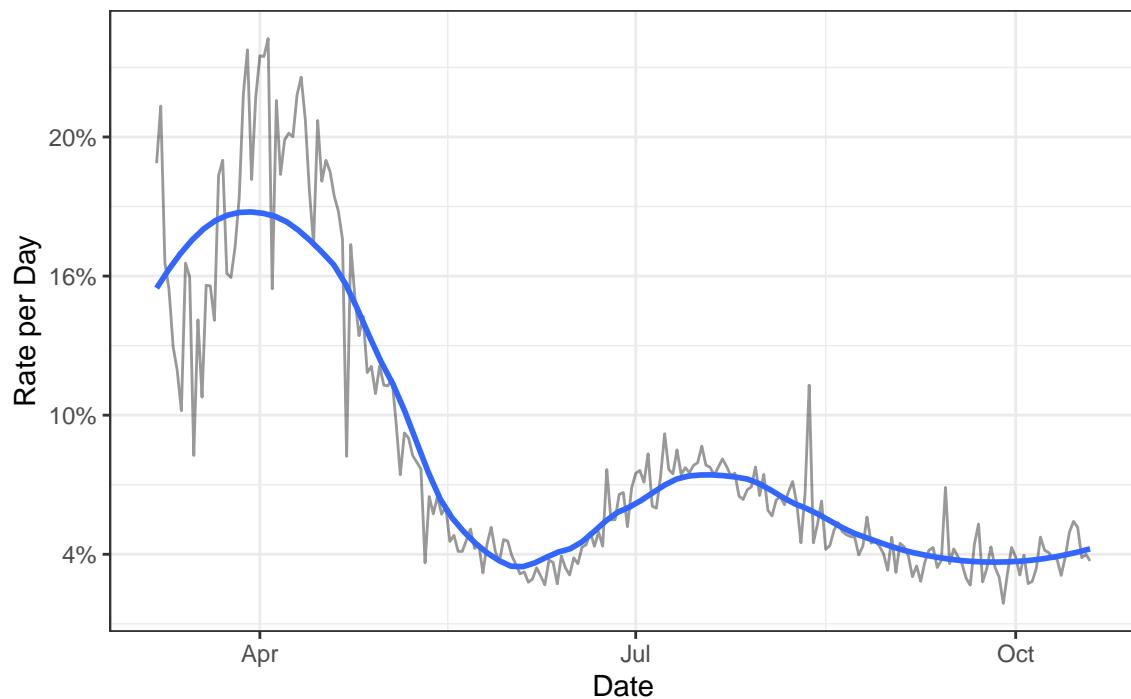


Testing

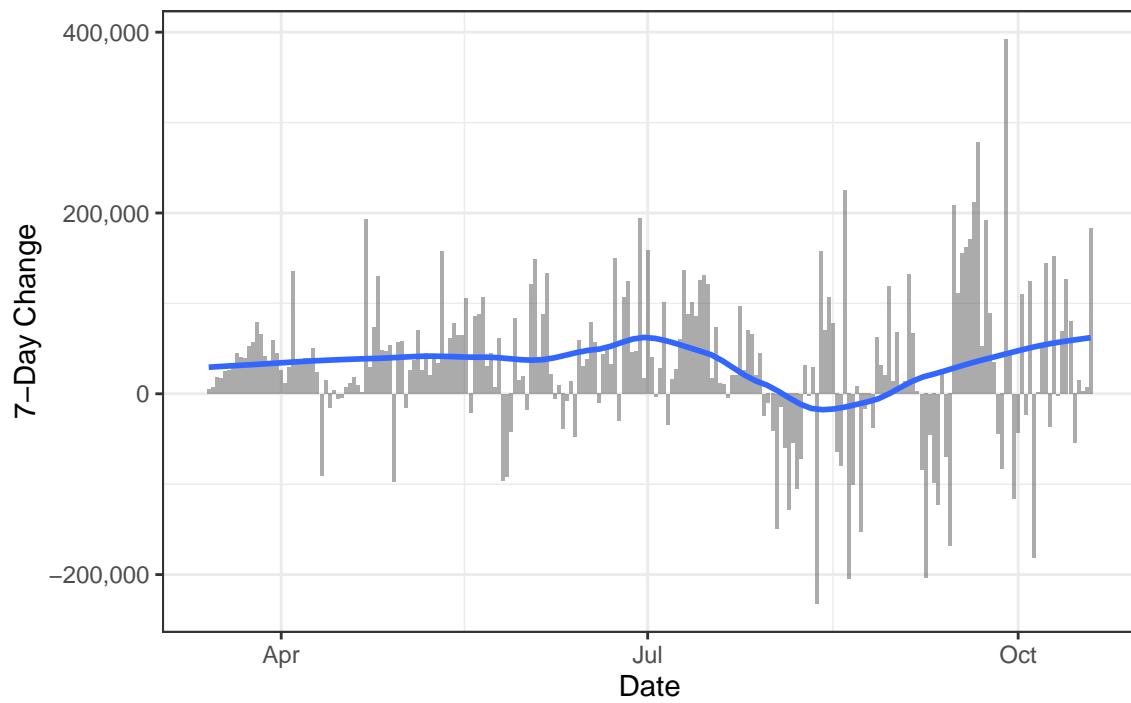
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

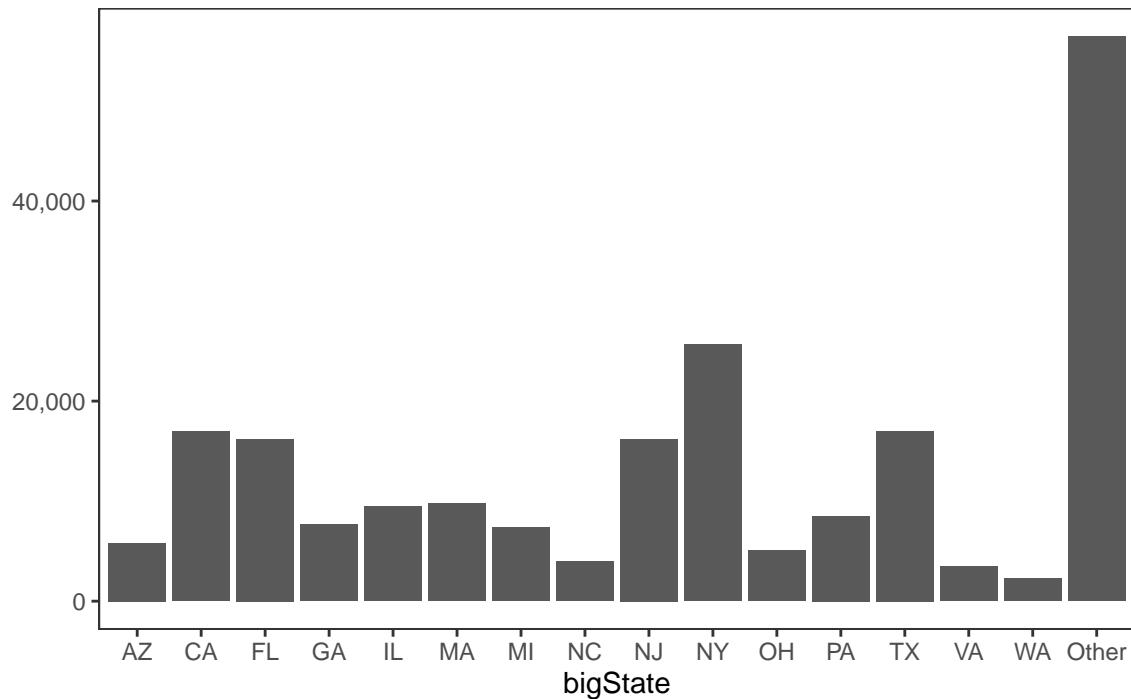


State Data

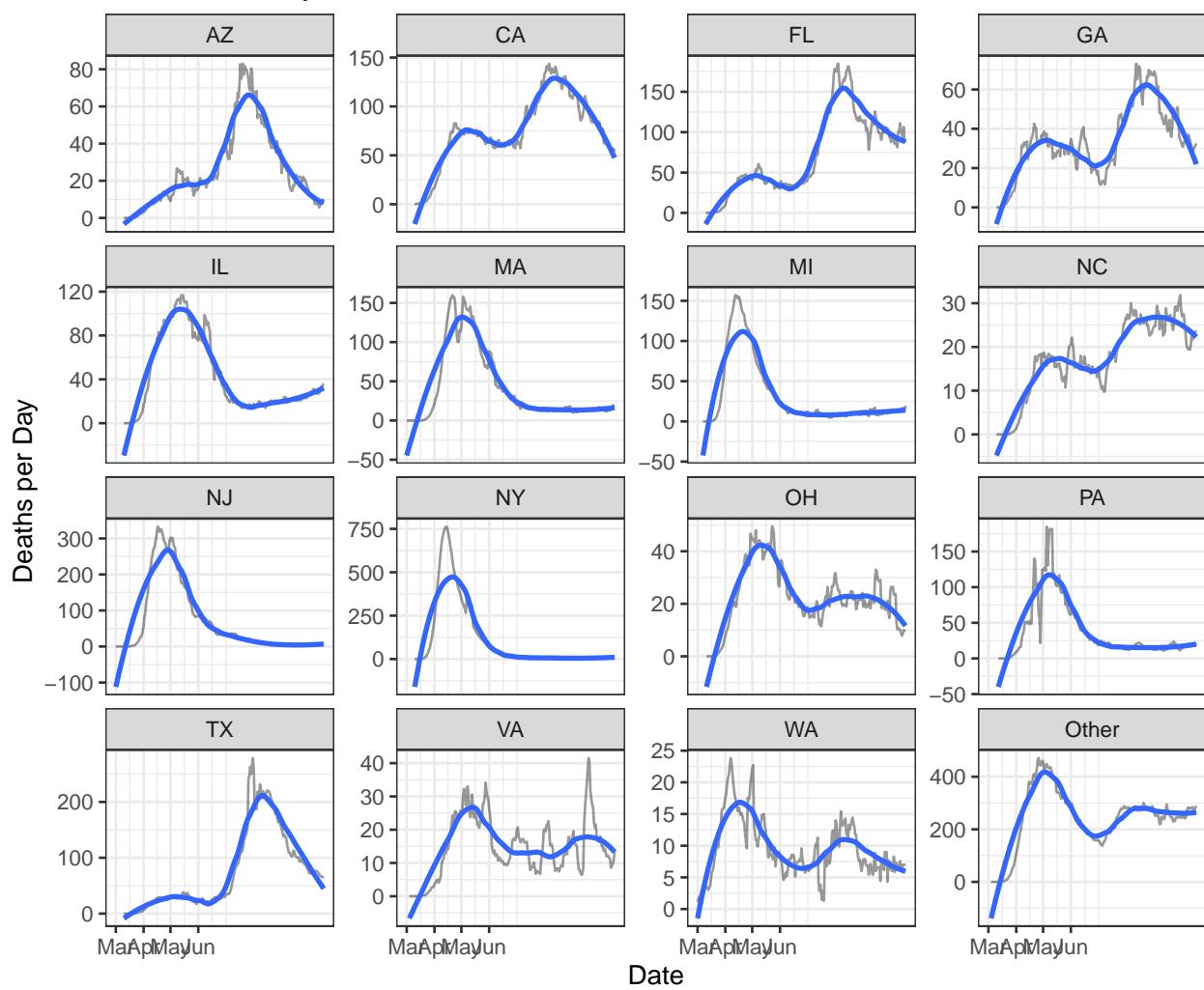
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

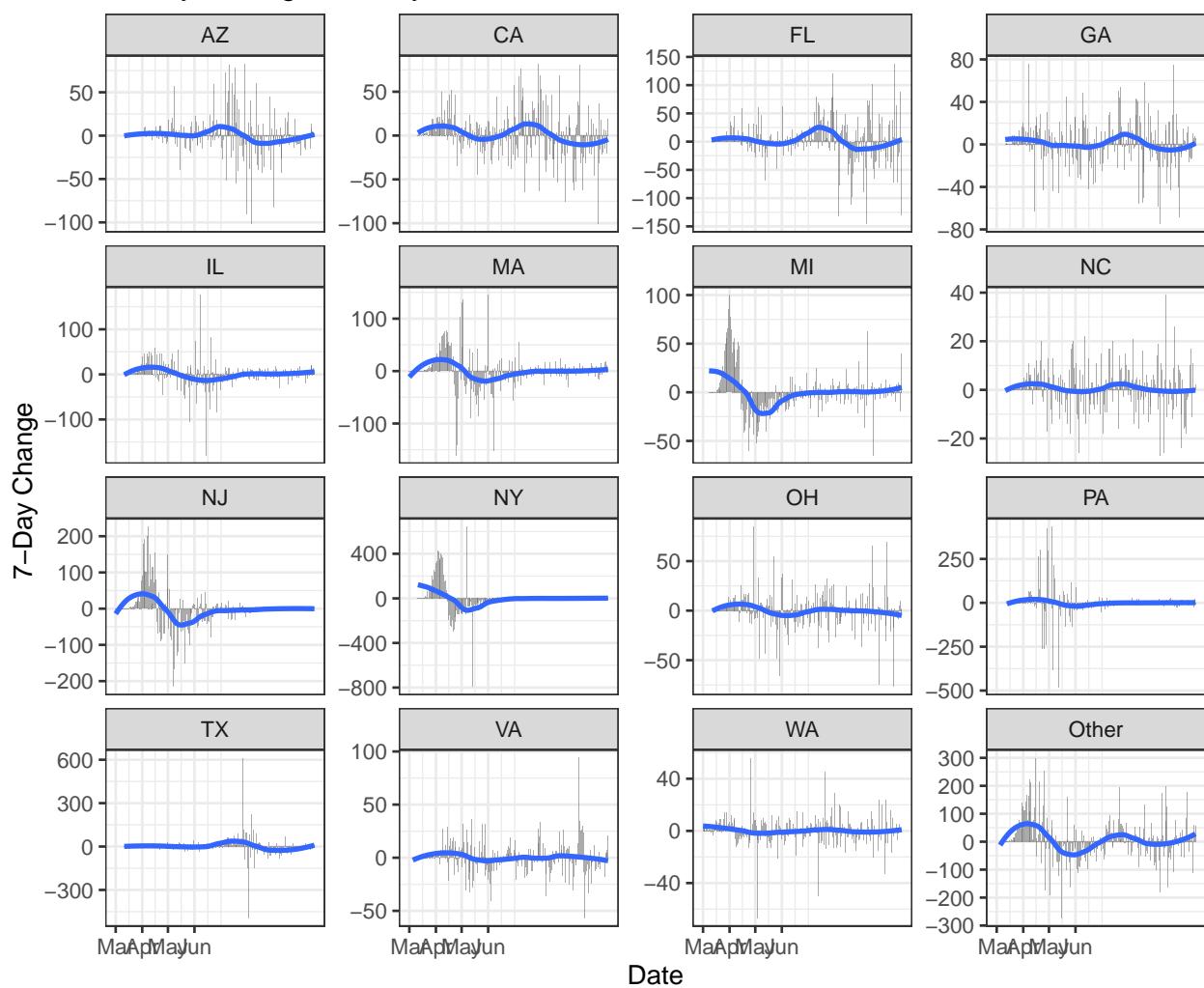
Deaths by State

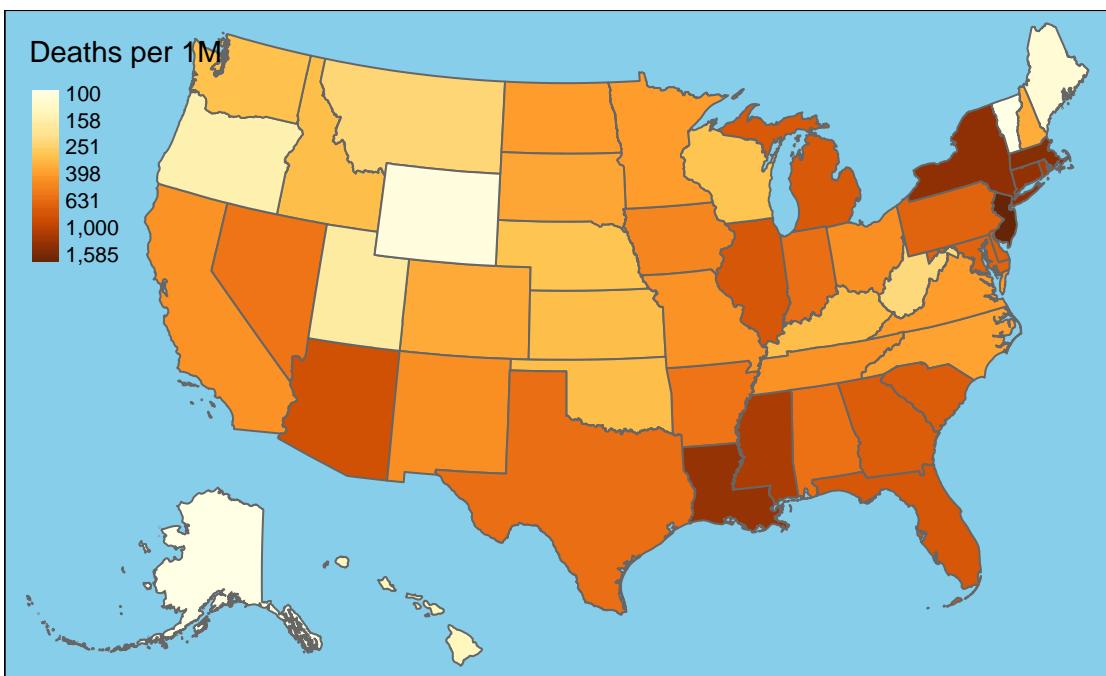
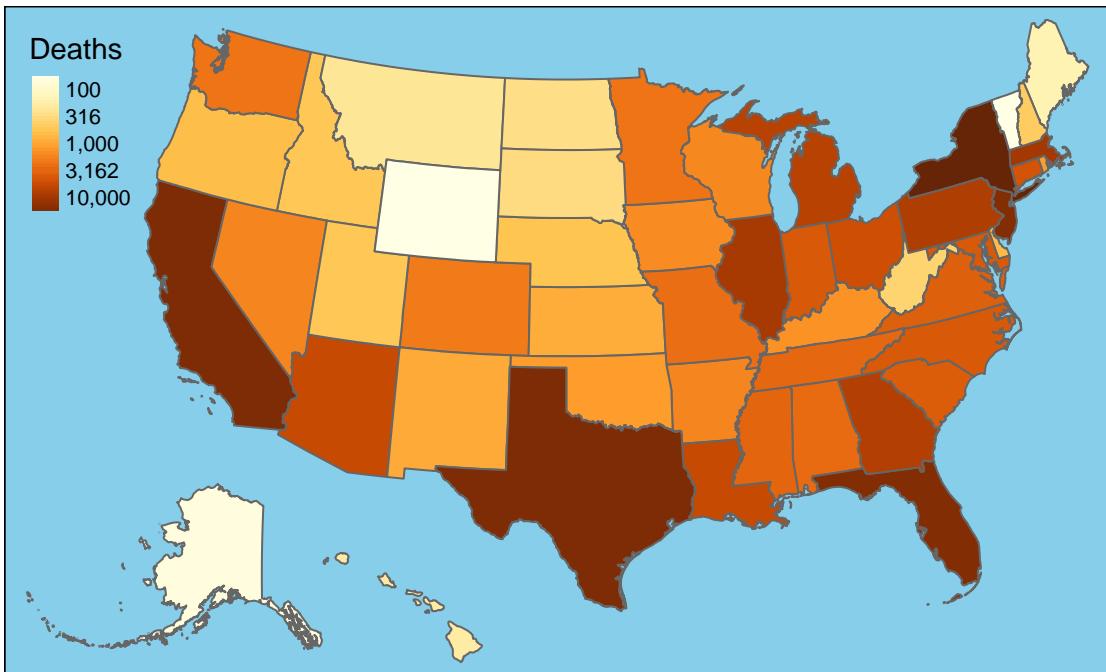


New Deaths by State



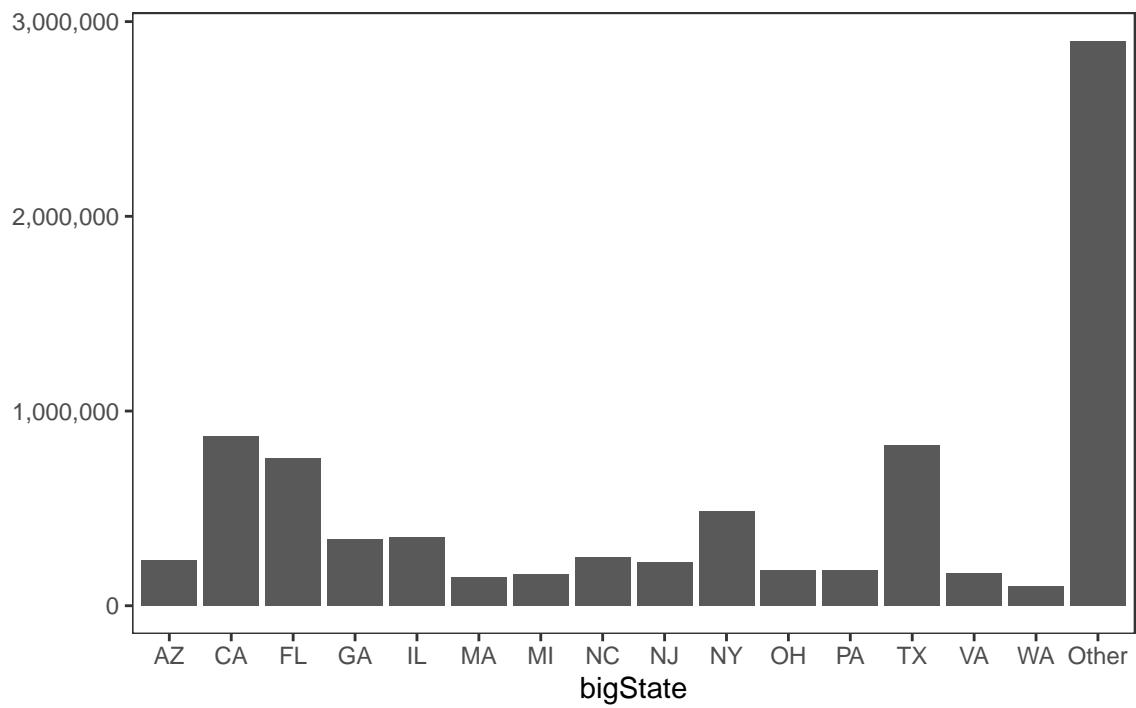
7-Day Change in Daily Deaths



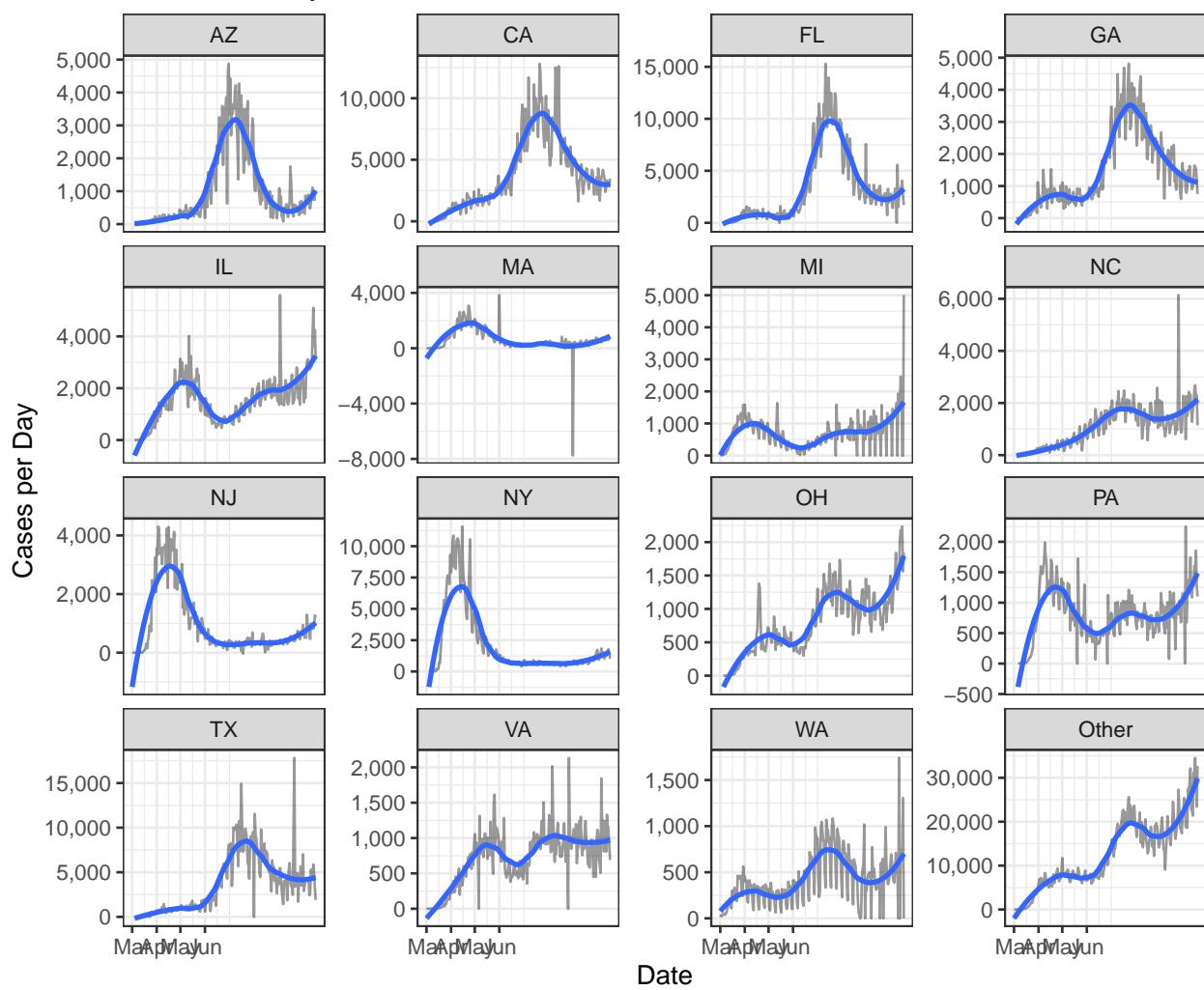


Cases

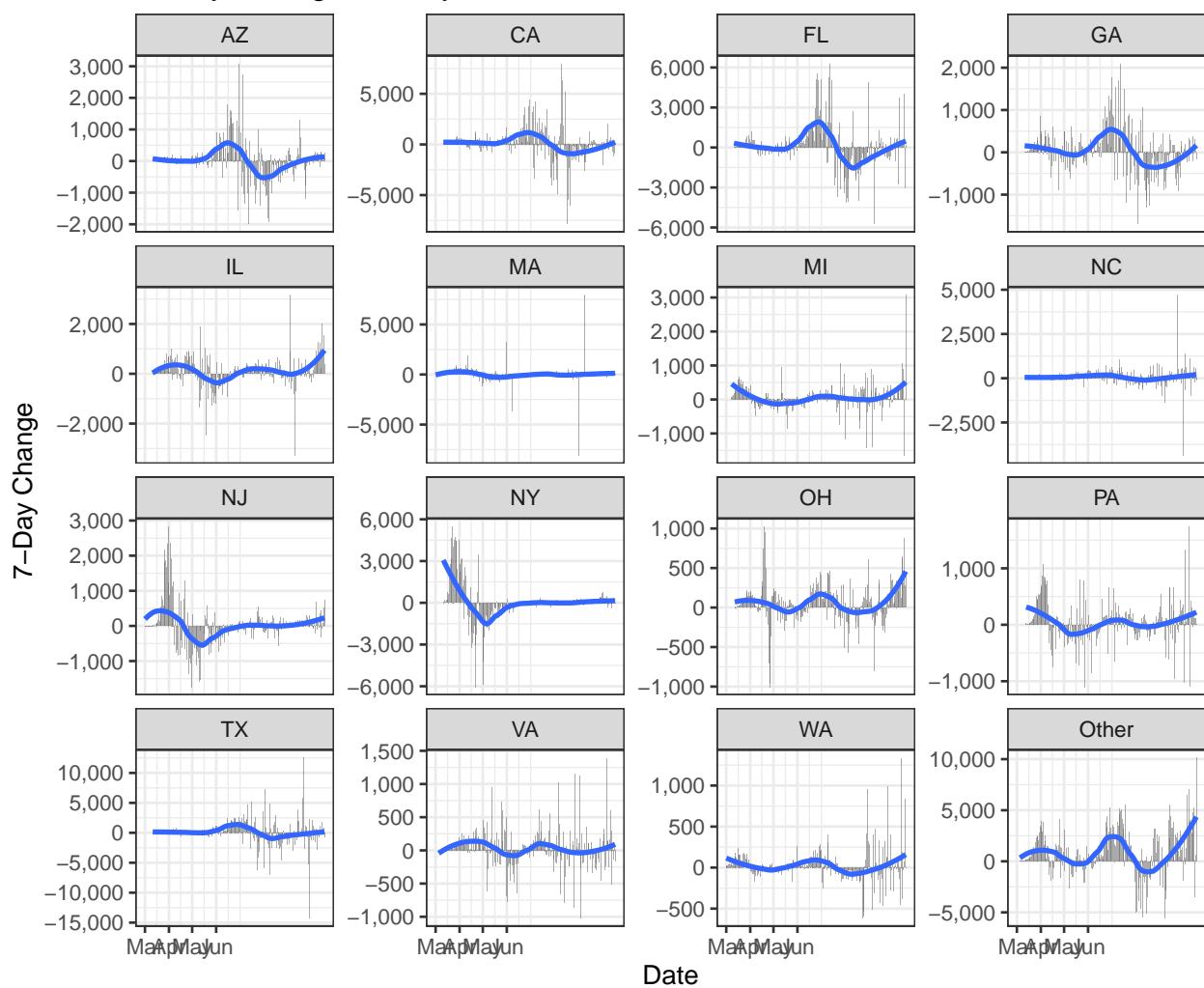
Cases by State

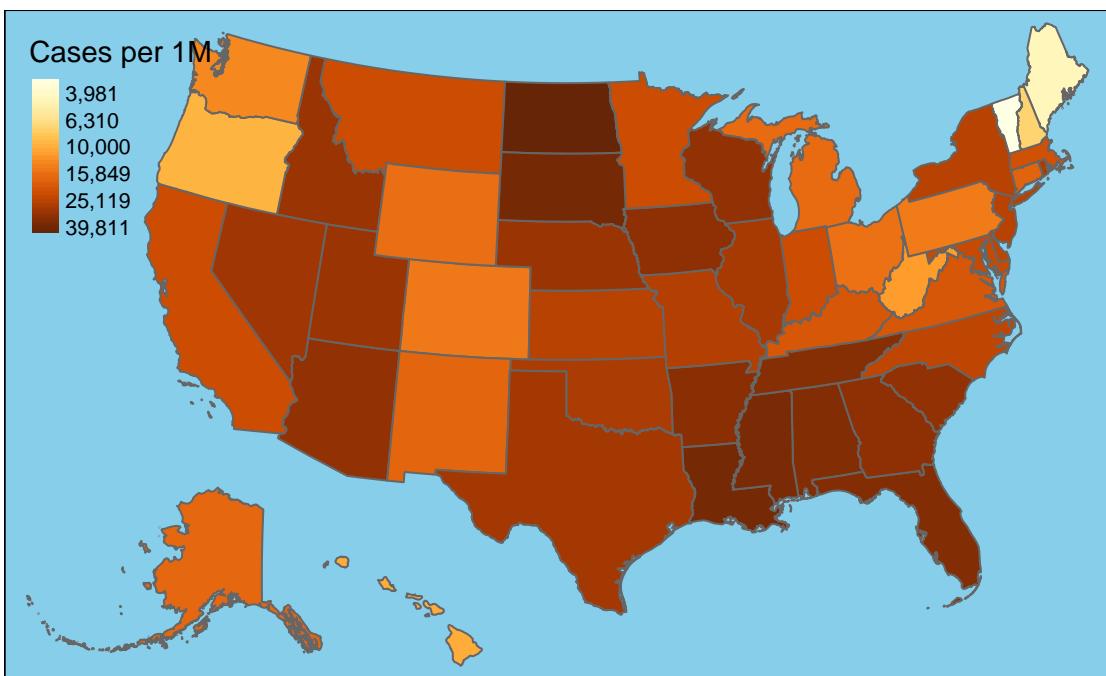
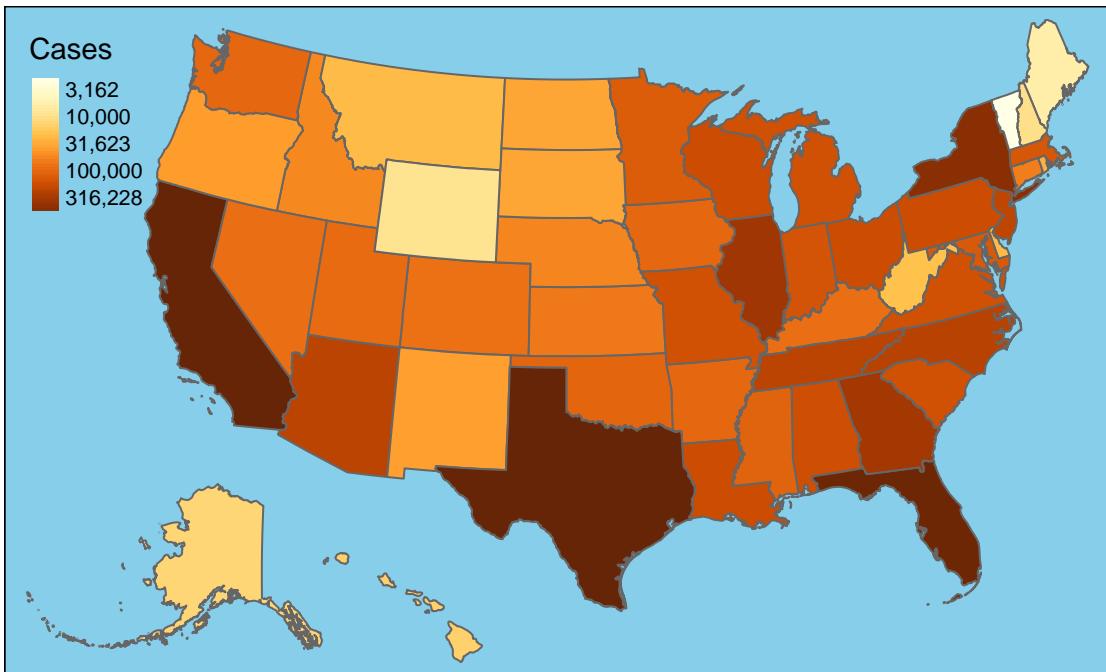


New Cases by State

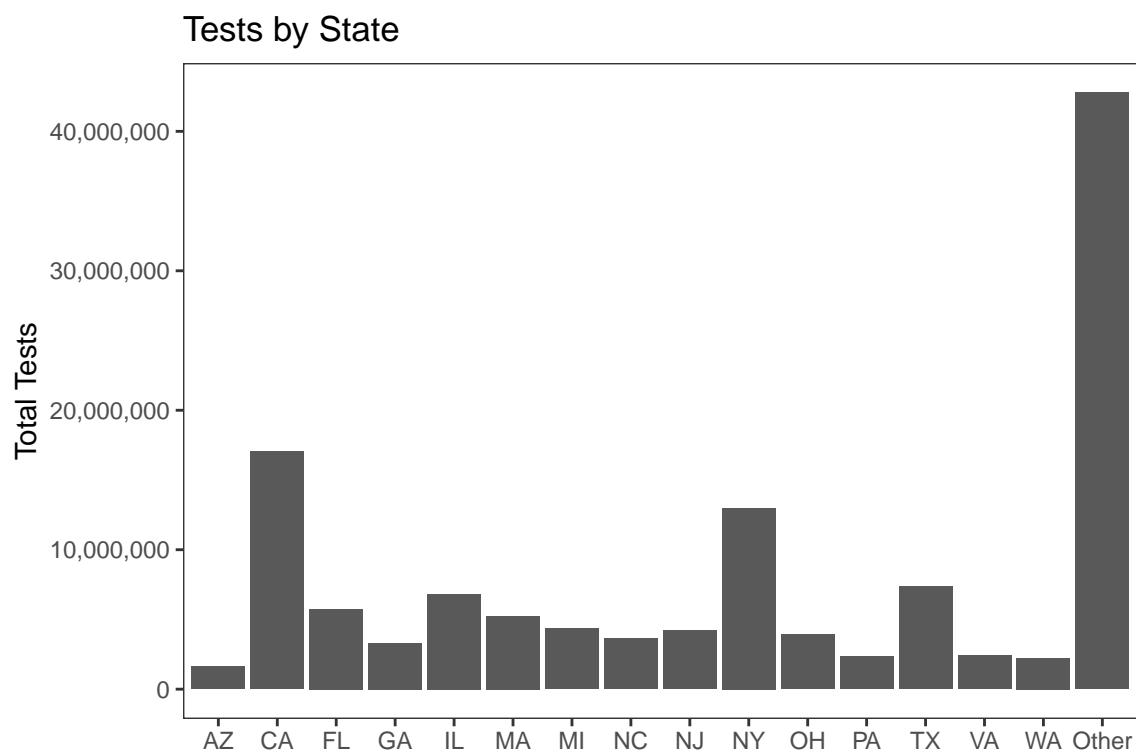


7-Day Change in Daily Cases

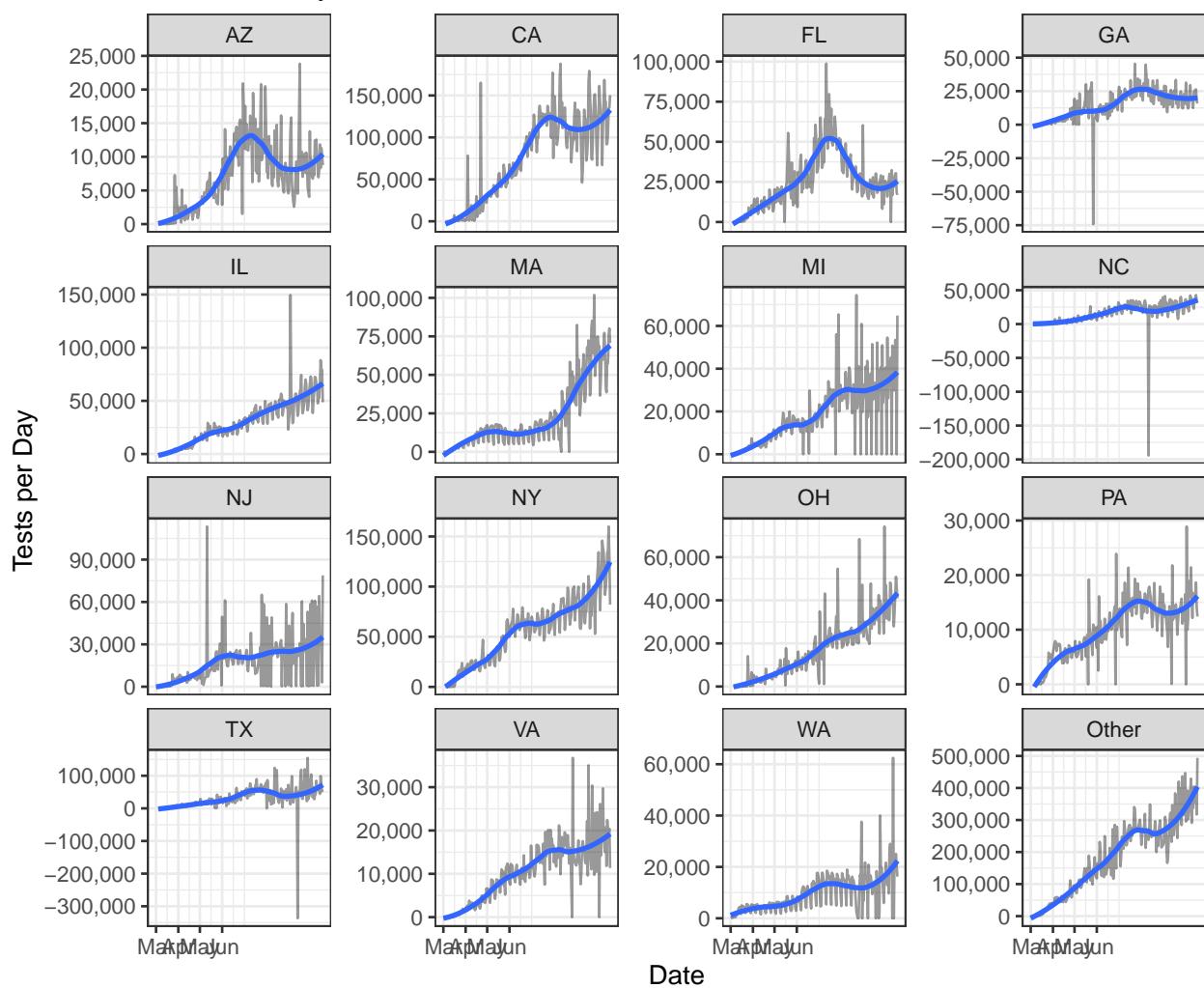


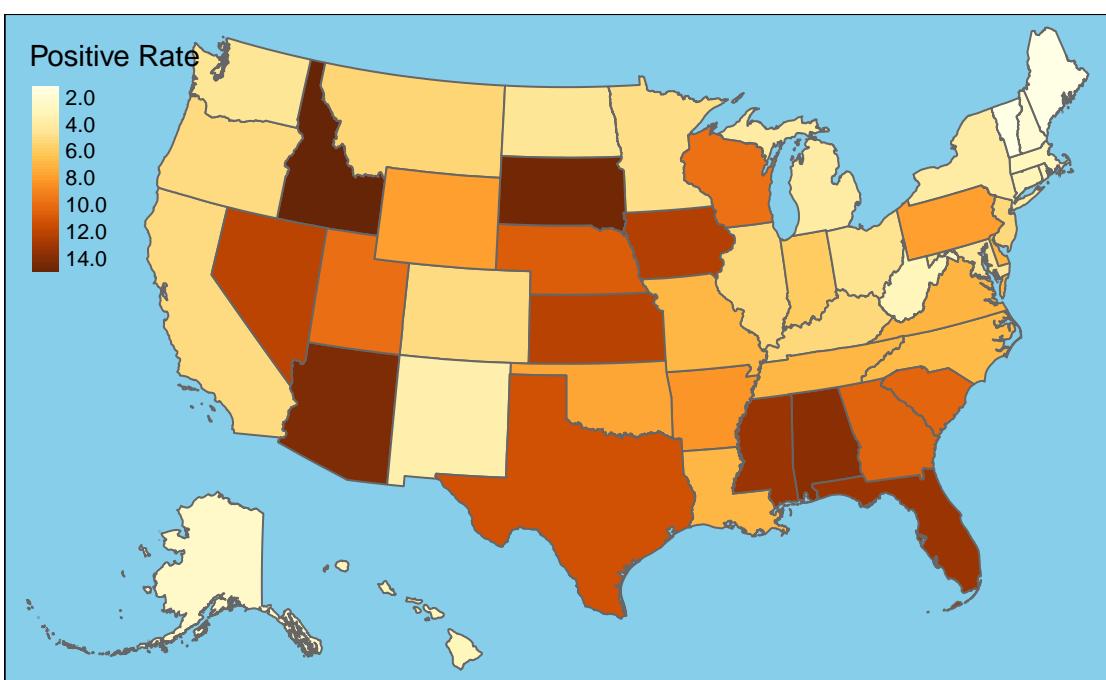
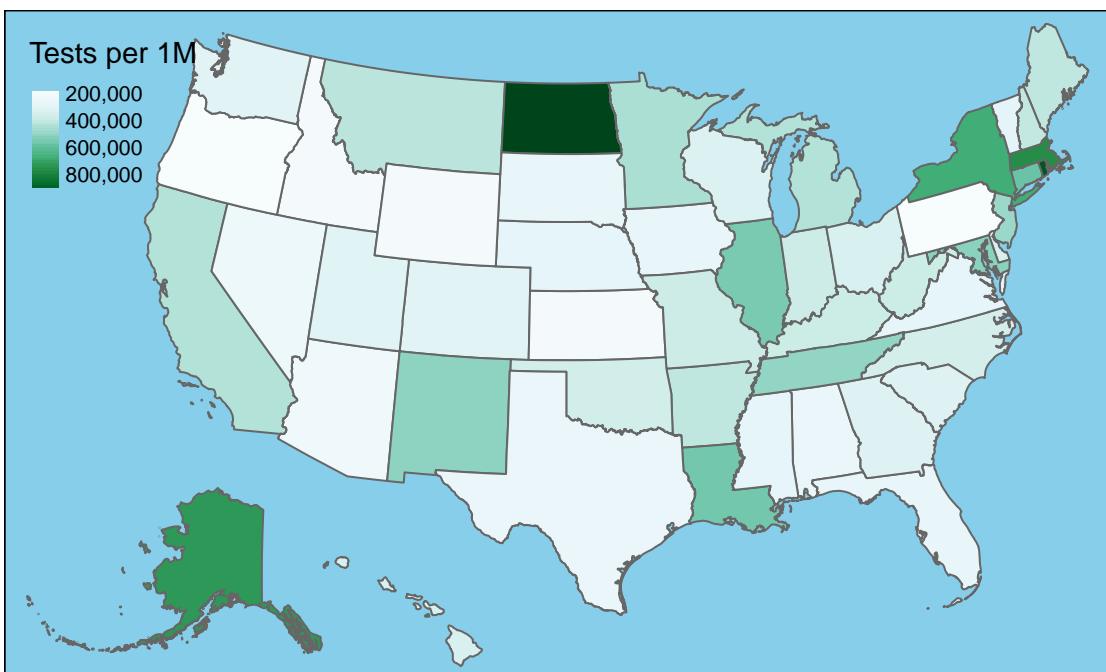


Testing



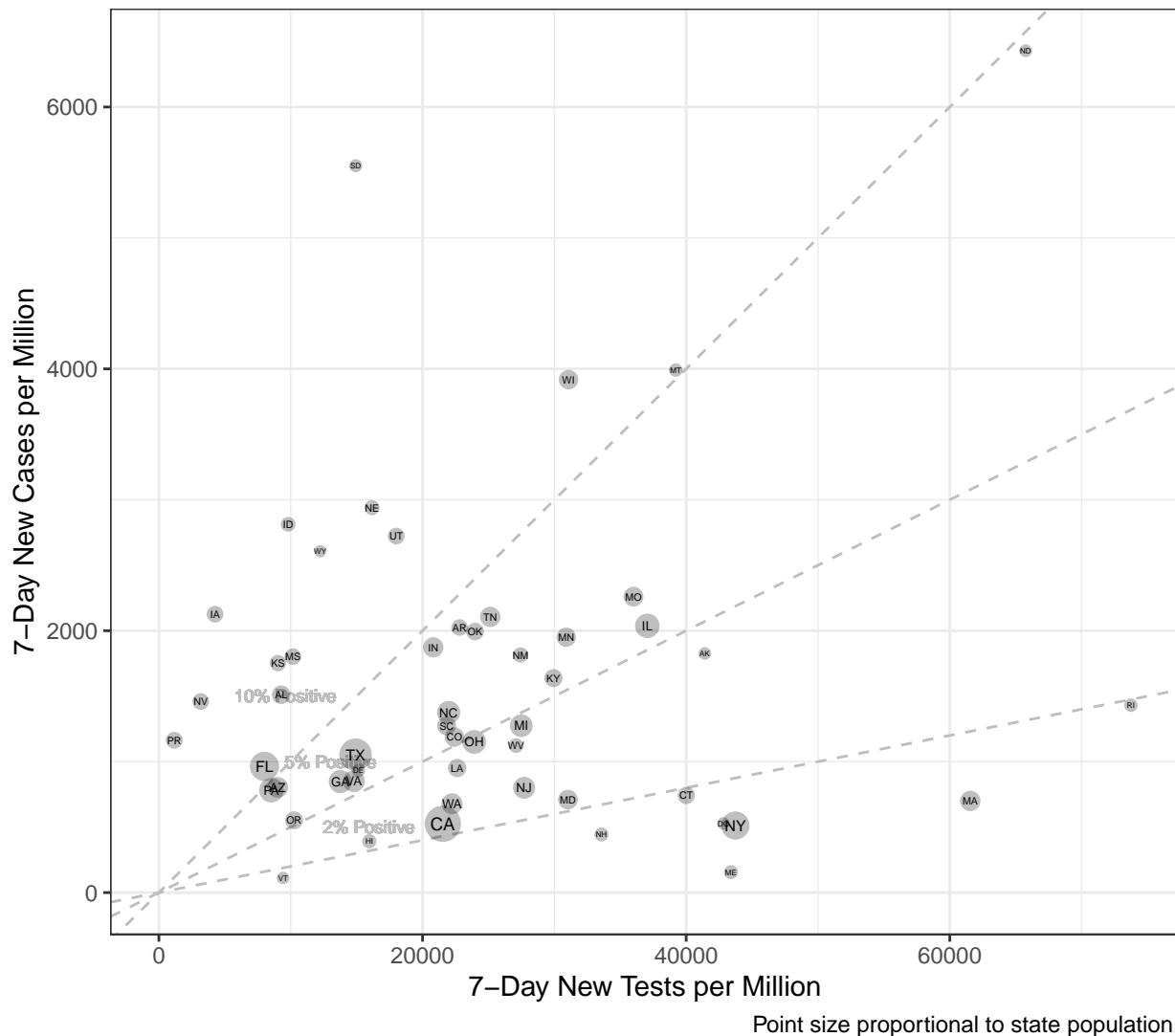
New Tests by State





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



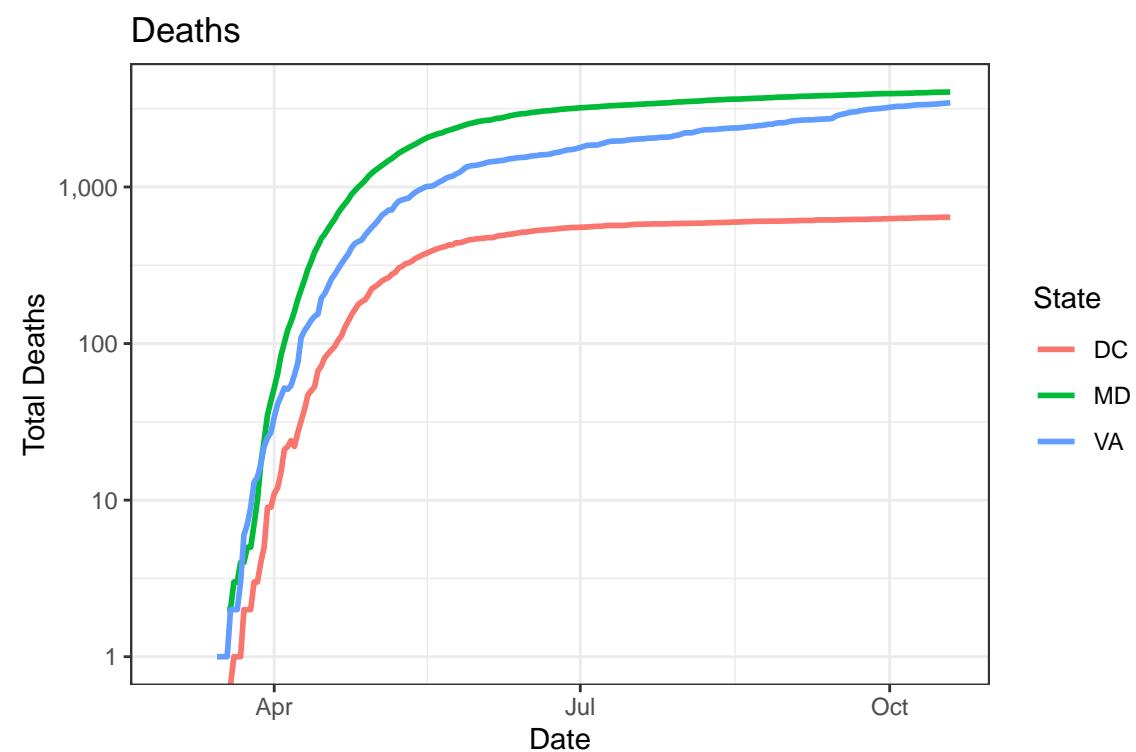
Local Data

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

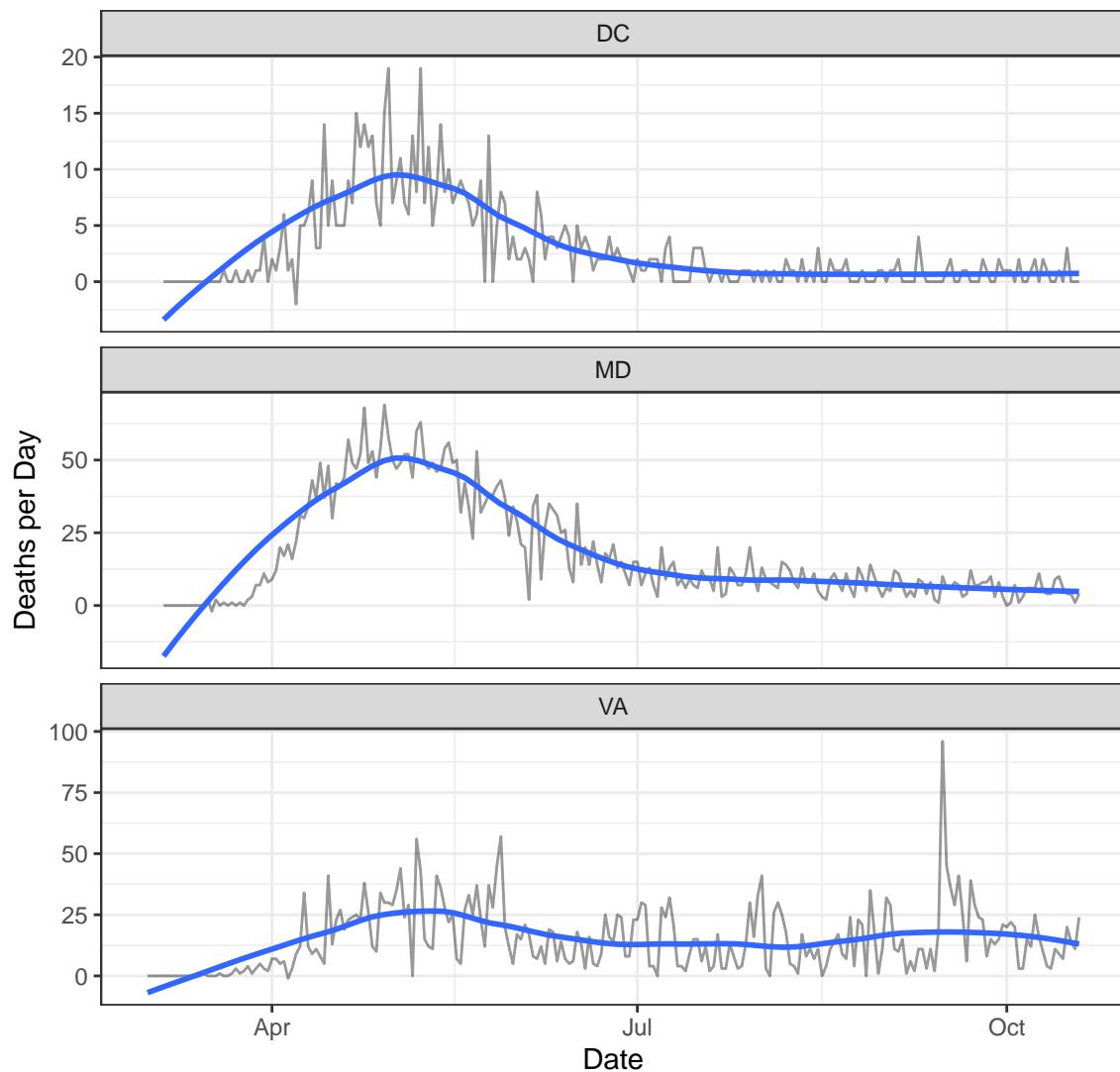
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	16,395	641	25	0
MD	136,154	4,041	497	4
VA	166,828	3,457	690	24

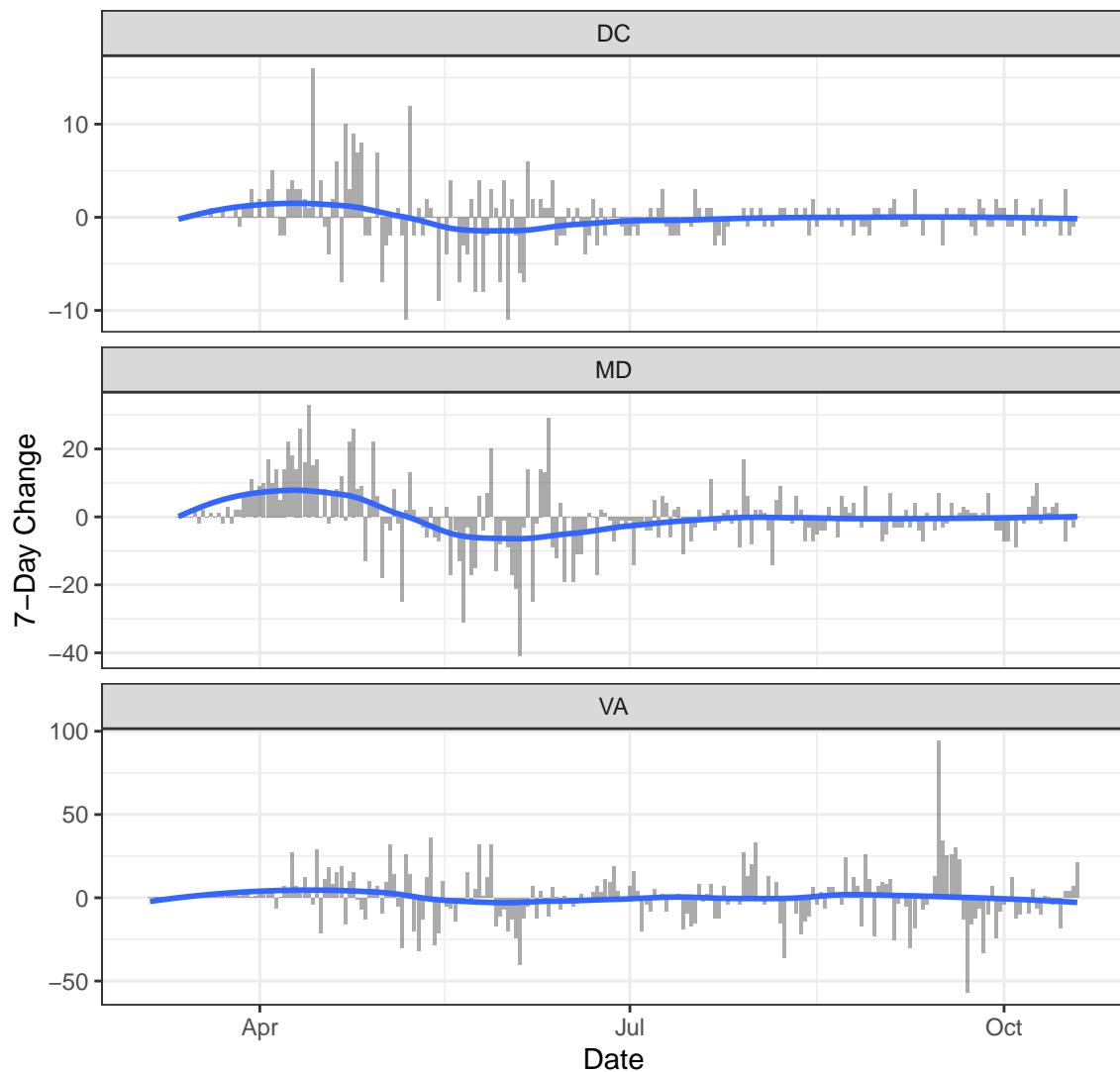
Deaths

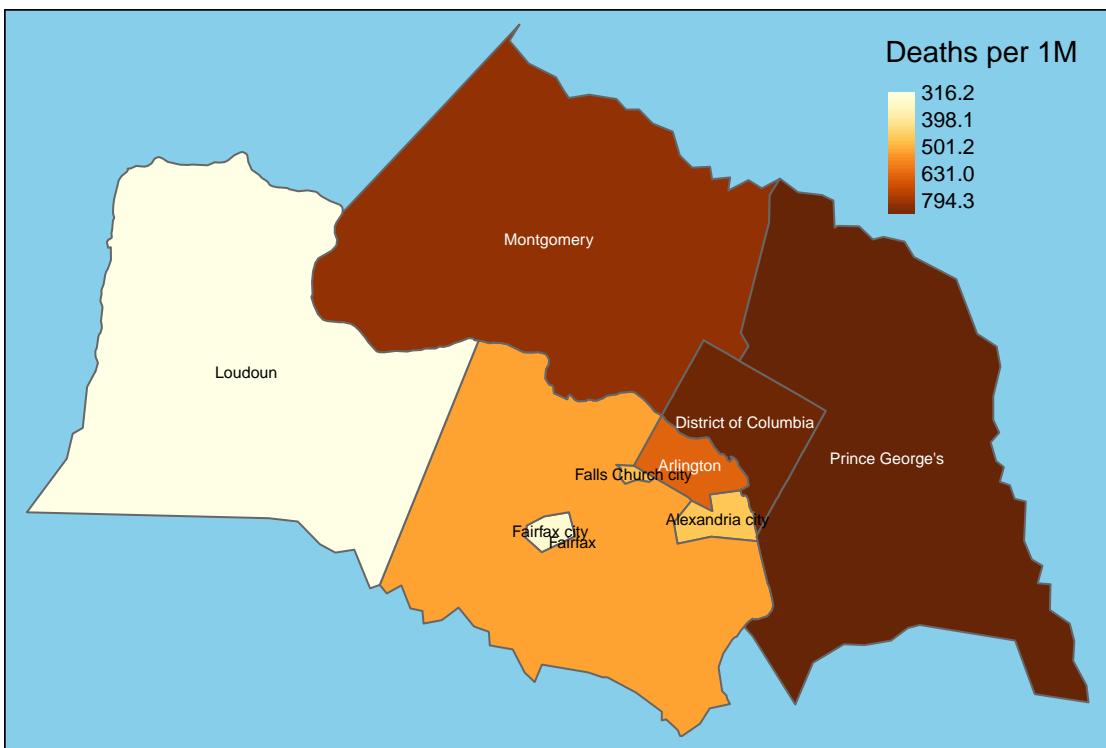
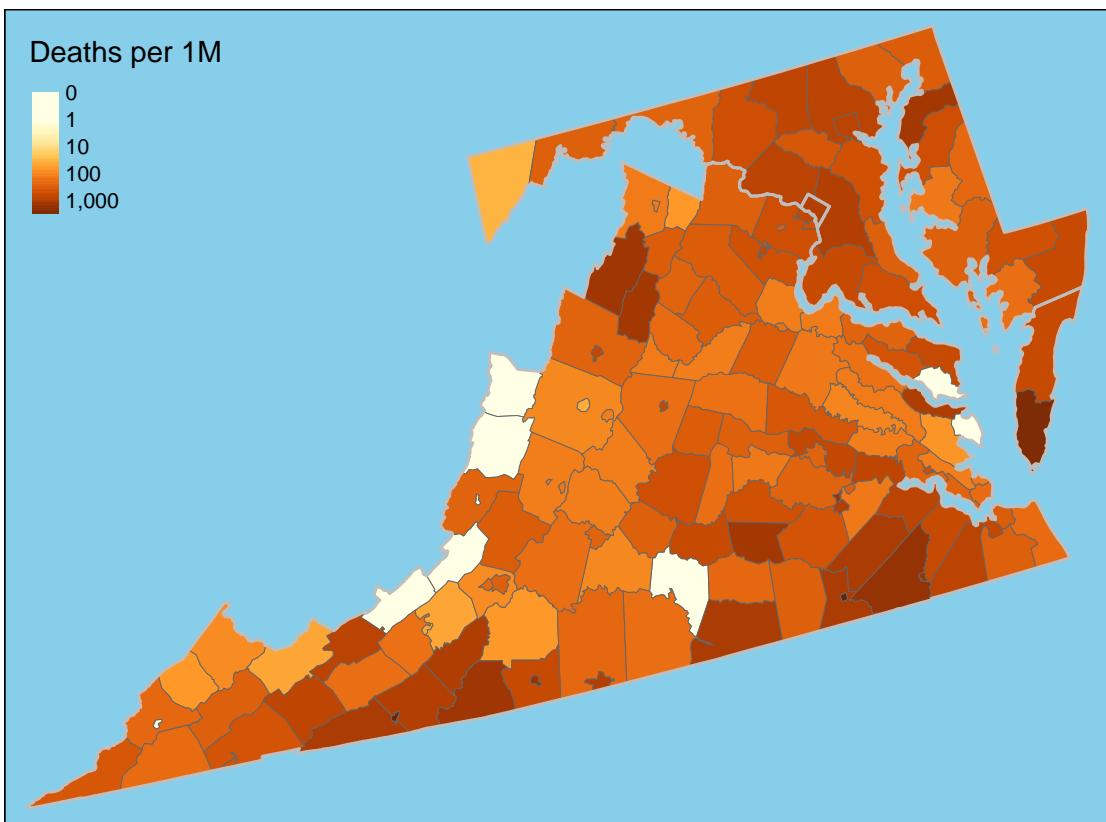


New Deaths

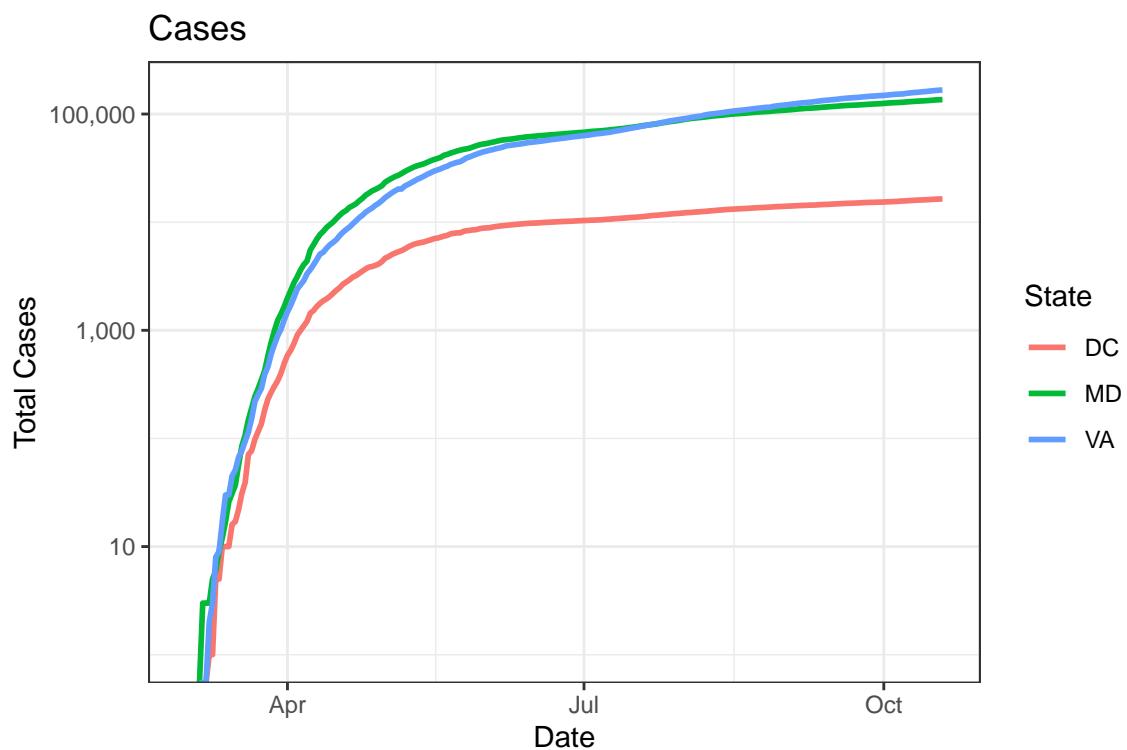


One-Week Change in Daily Deaths

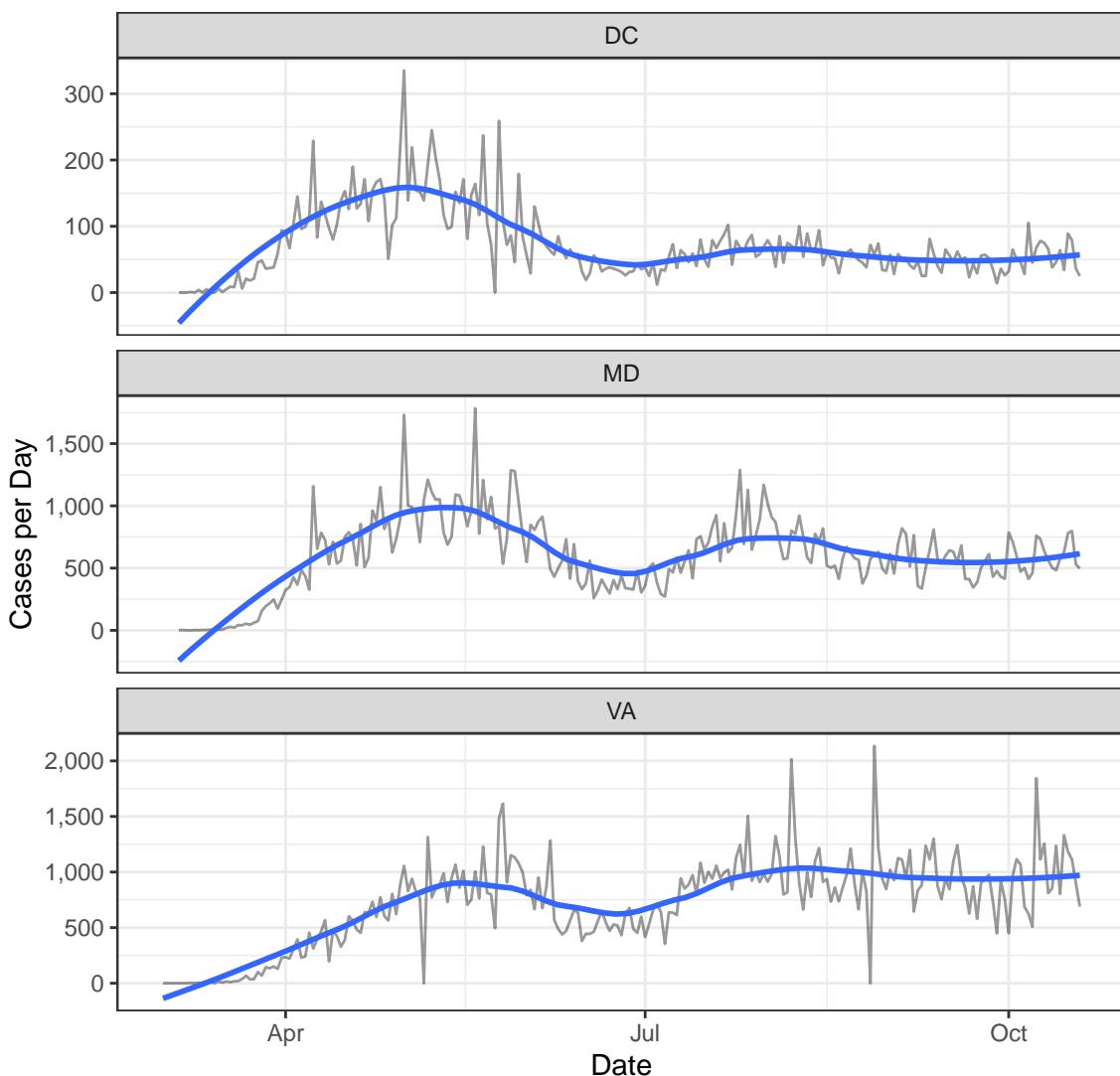




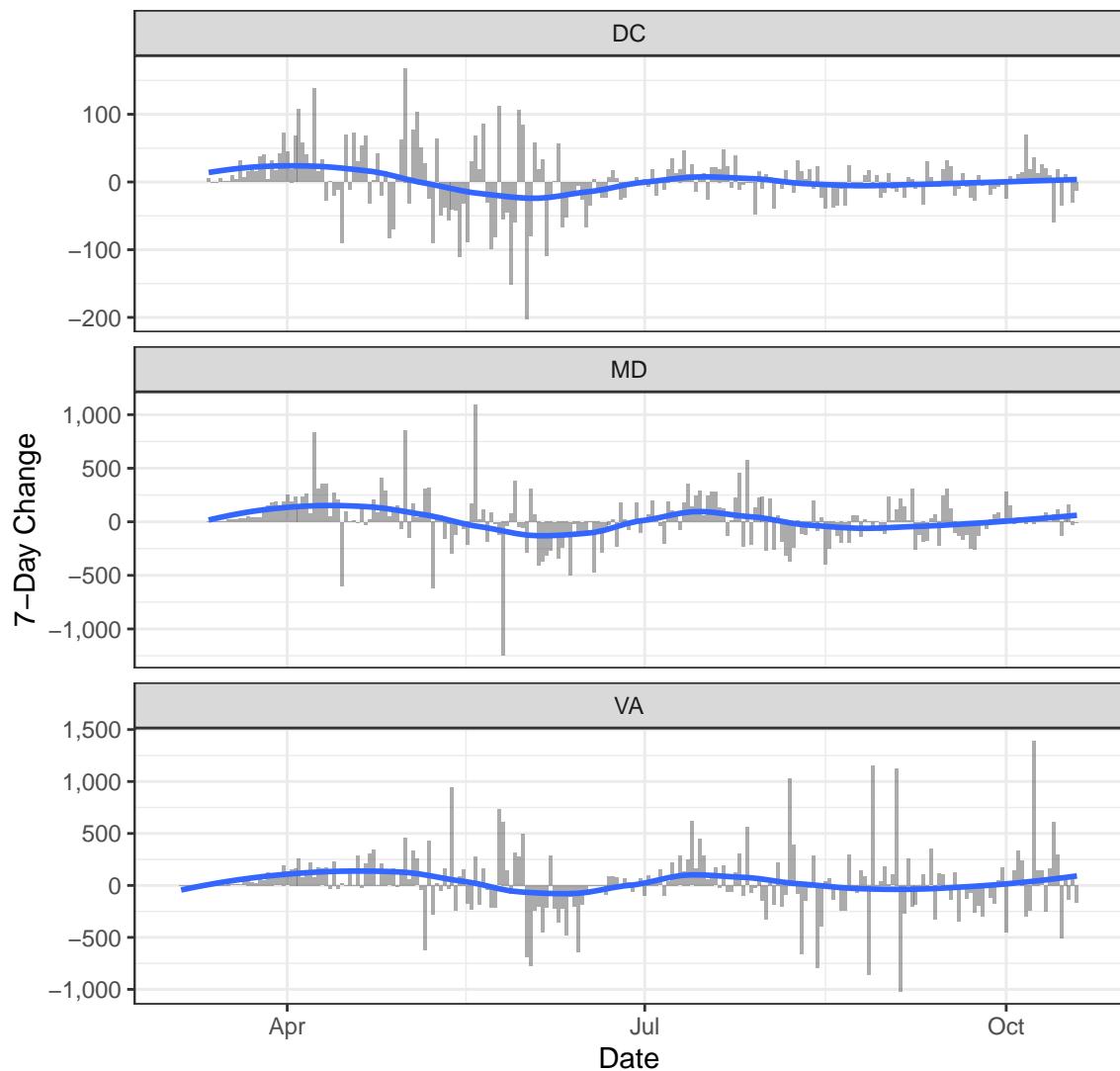
Cases

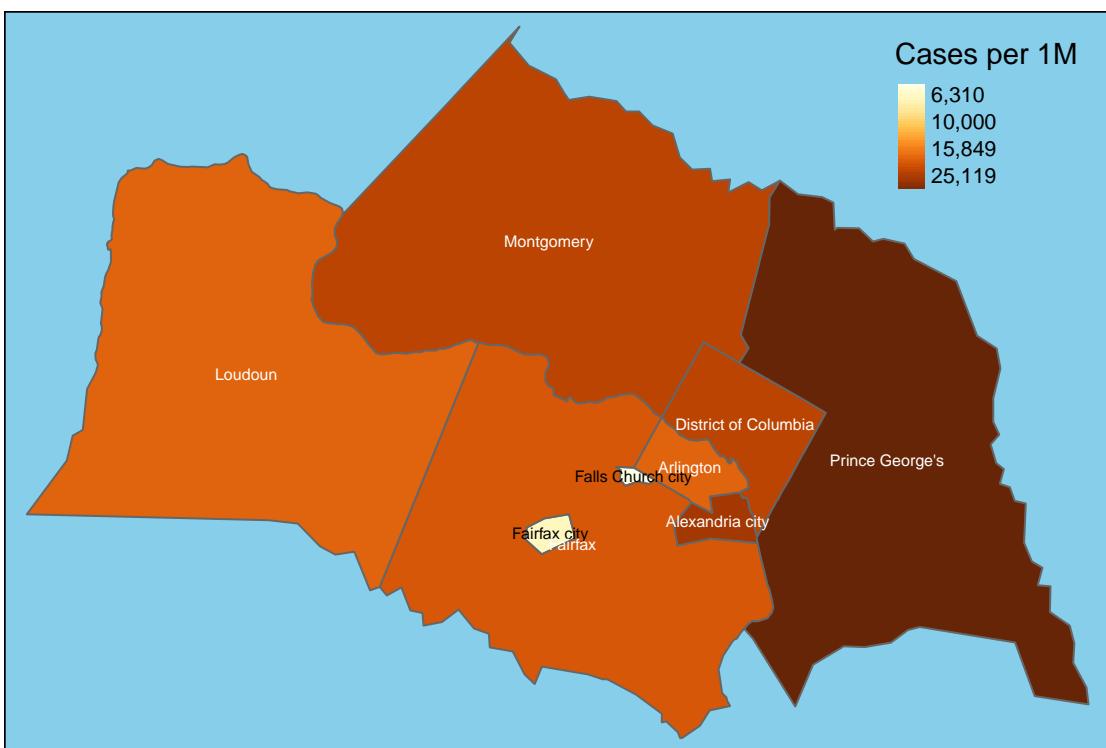
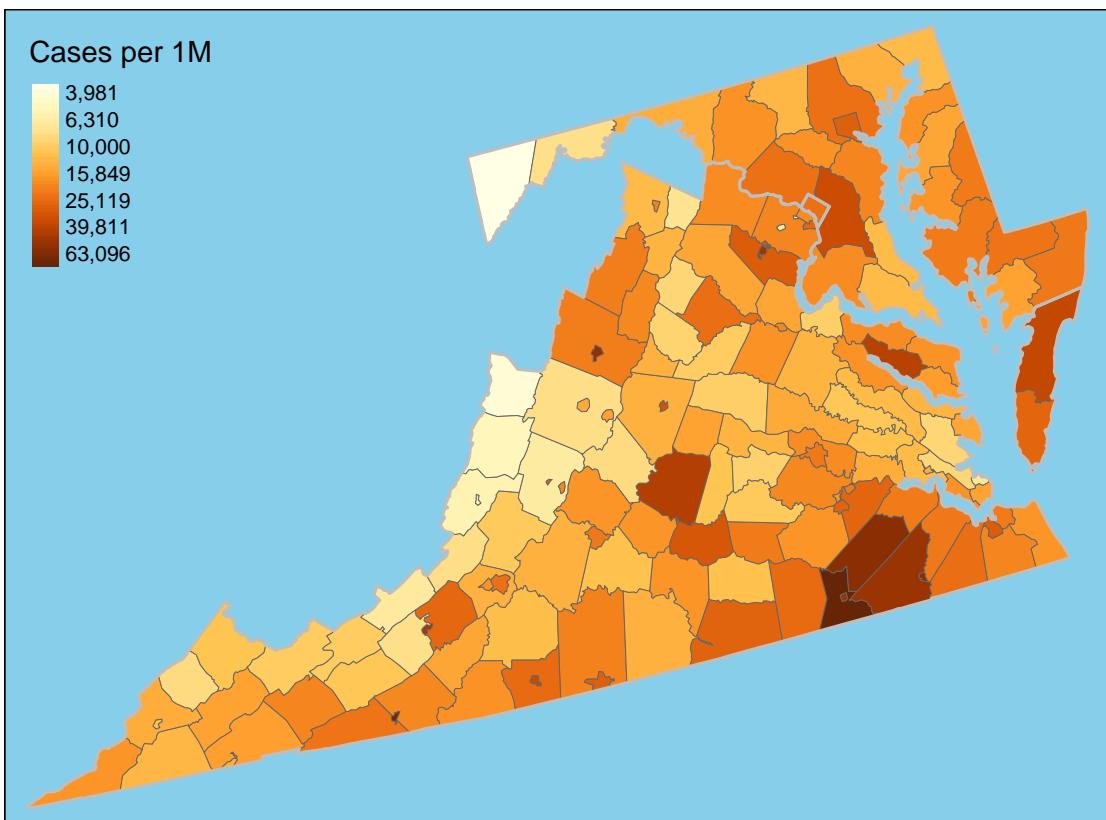


New Cases

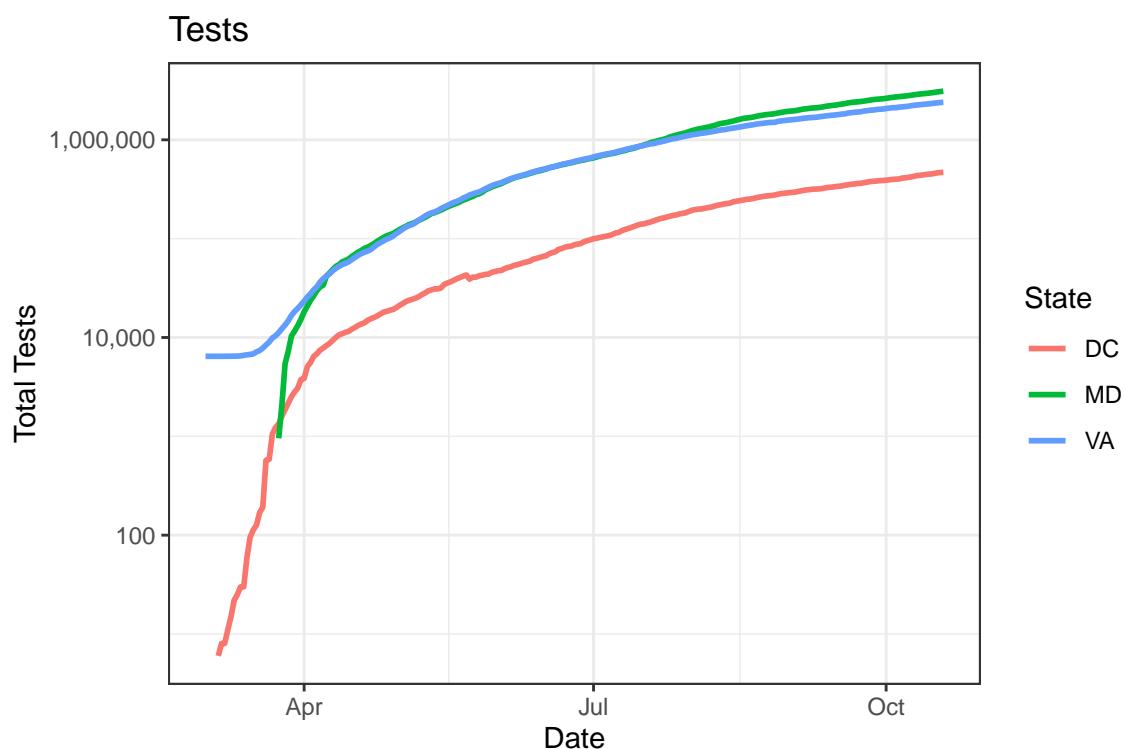


One-Week Change in Daily Cases

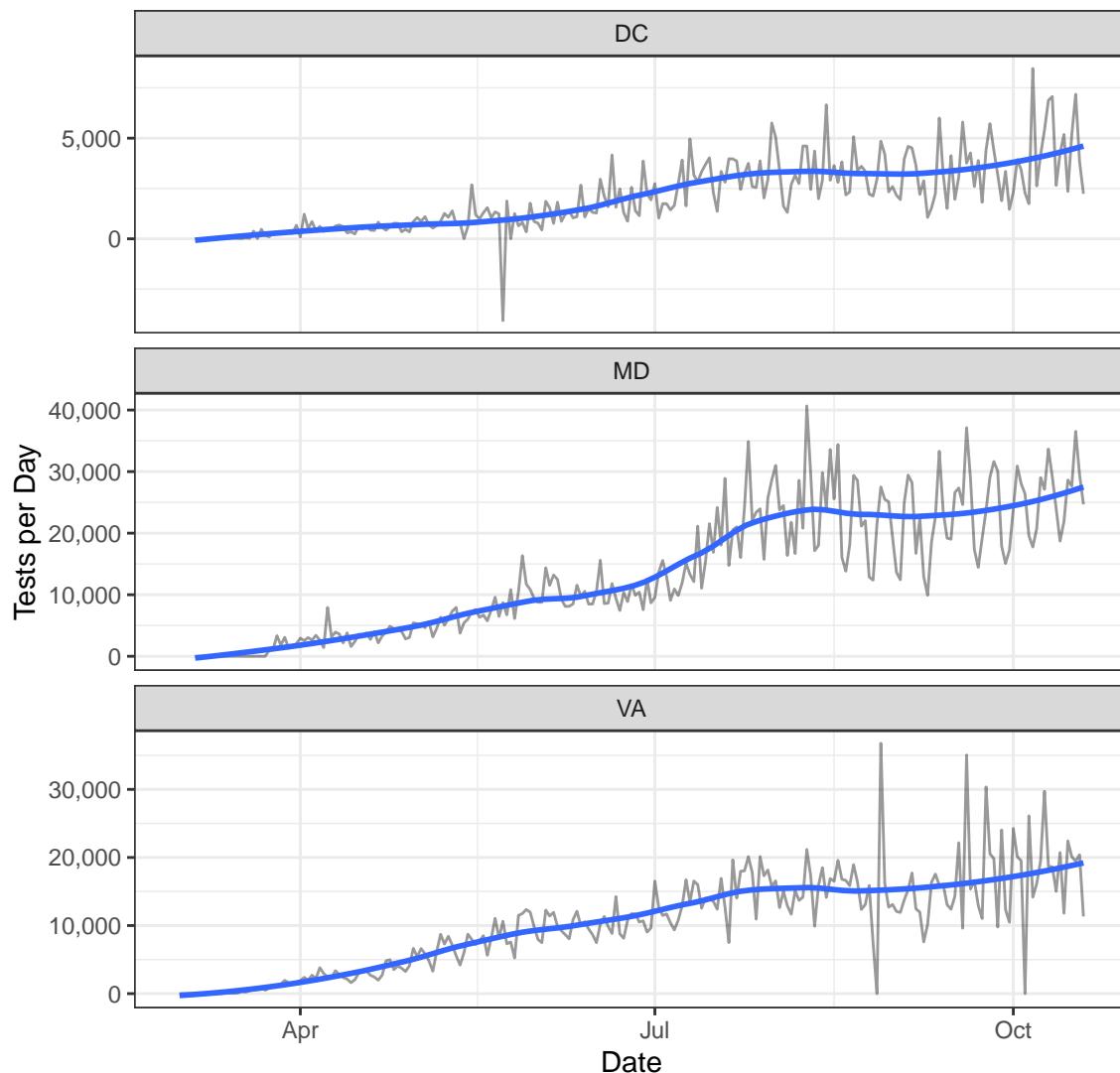




Testing



New Tests



Positive Test Rate

