

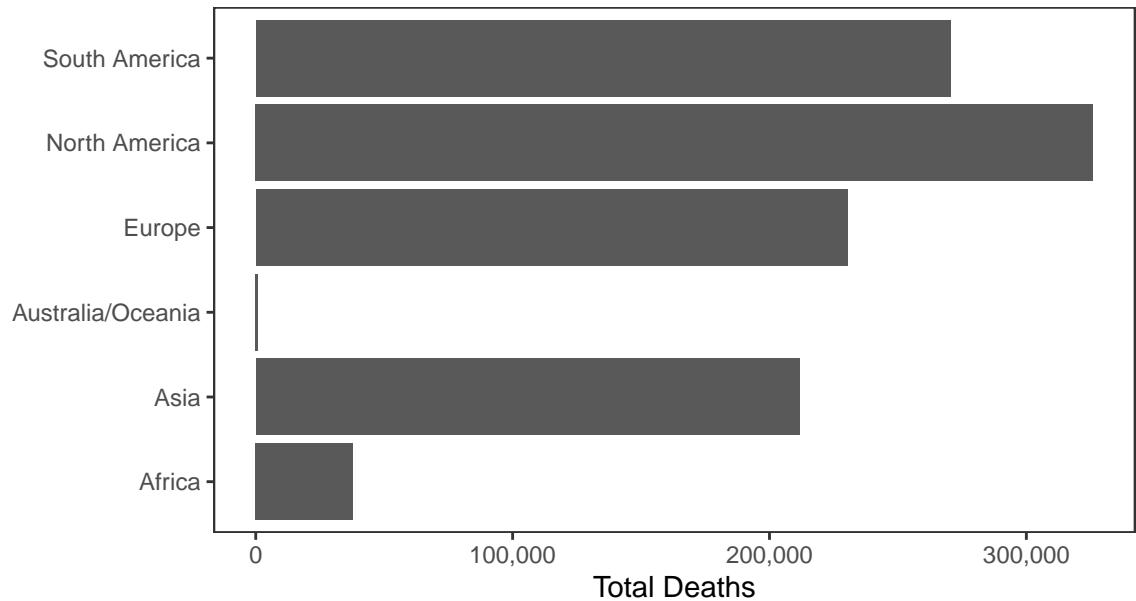
Erik's Covid-19 Chart Pack

Data updated 2020-10-11 15:07:03. 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 37,457,017 confirmed Covid-19 cases and 1,077,378 deaths worldwide.

Deaths



Cases

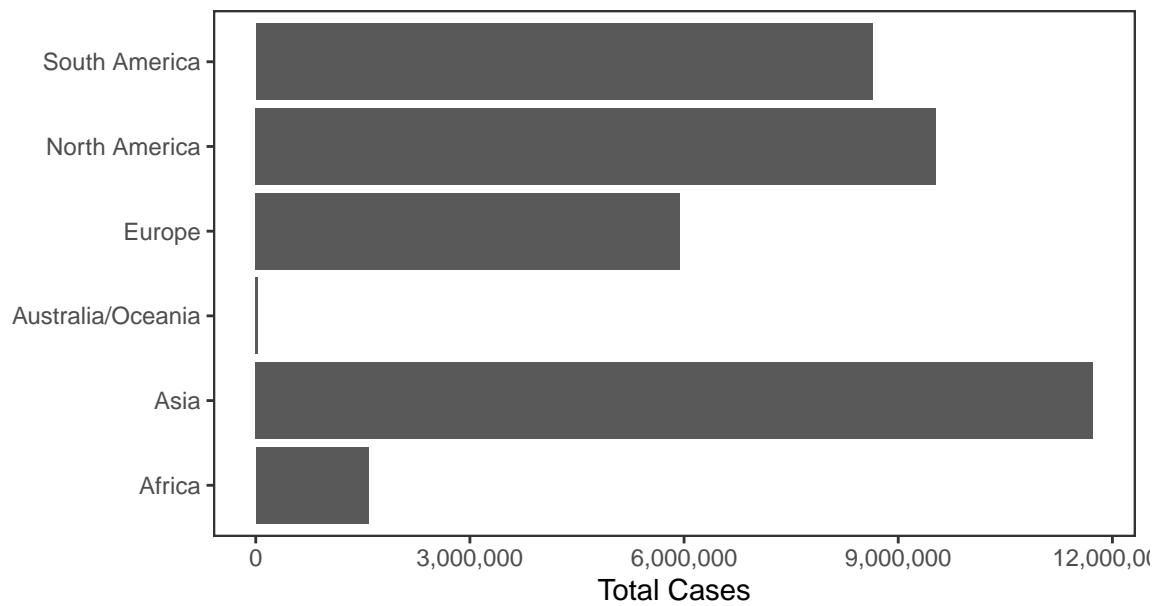
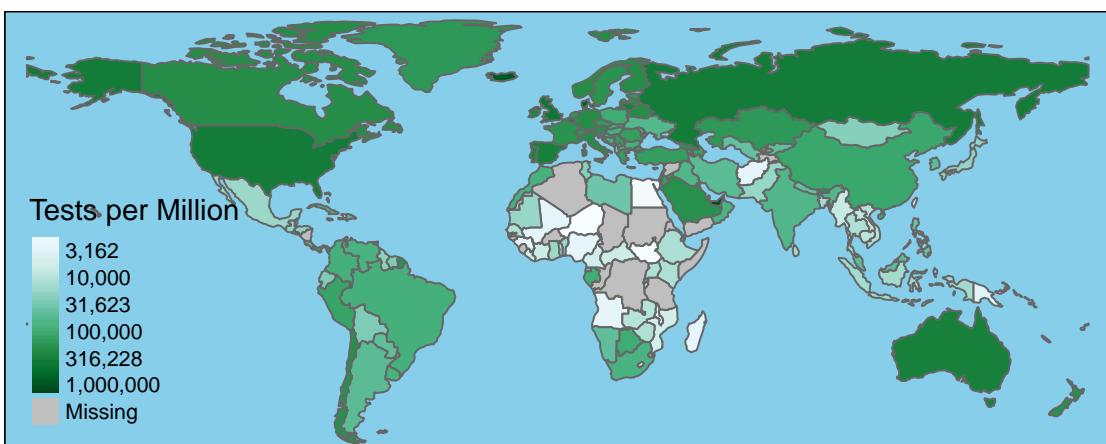
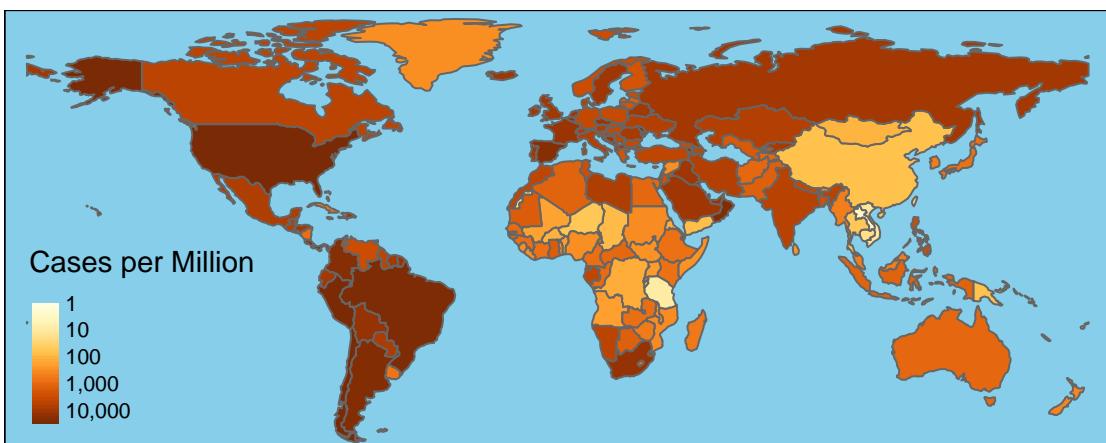
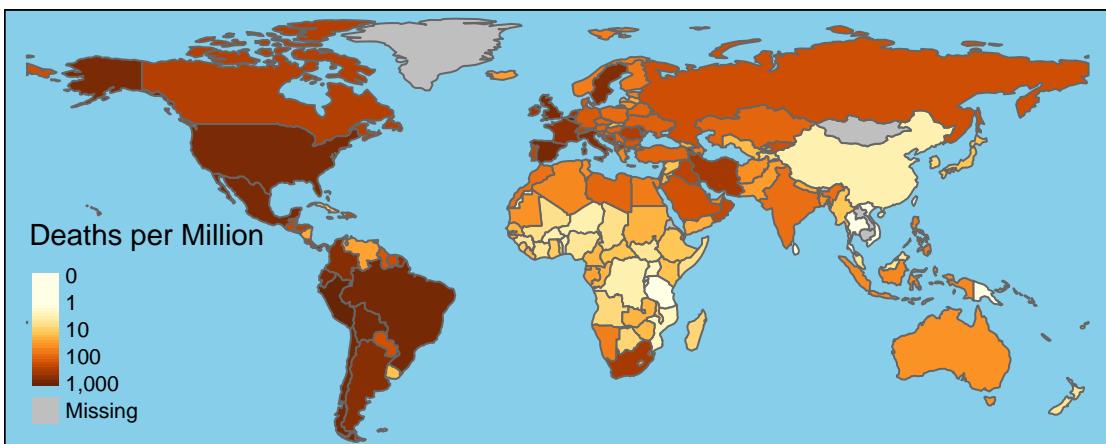


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,948,290	219,370	53,661	723
India	7,051,543	108,371	74,535	921
Brazil	5,091,840	150,236	34,650	544
Russia	1,285,084	22,454	12,846	197
Colombia	902,747	27,660	8,447	165
Spain	890,367	32,929	0	0
Argentina	883,882	23,581	12,414	356
Peru	846,088	33,223	2,733	65
Mexico	809,751	83,507	5,263	411
France	718,873	32,637	26,896	54
South Africa	690,896	17,673	2,544	126
UK	590,844	42,760	15,166	81
Iran	496,253	28,293	3,875	195
Chile	479,595	13,272	1,826	52
Iraq	400,124	9,790	2,344	55
Bangladesh	377,073	5,500	1,203	23
Italy	349,494	36,140	5,724	29
Saudi Arabia	338,944	5,018	405	22
Philippines	336,839	6,238	2,162	87
Turkey	334,031	8,778	1,649	56



National Data

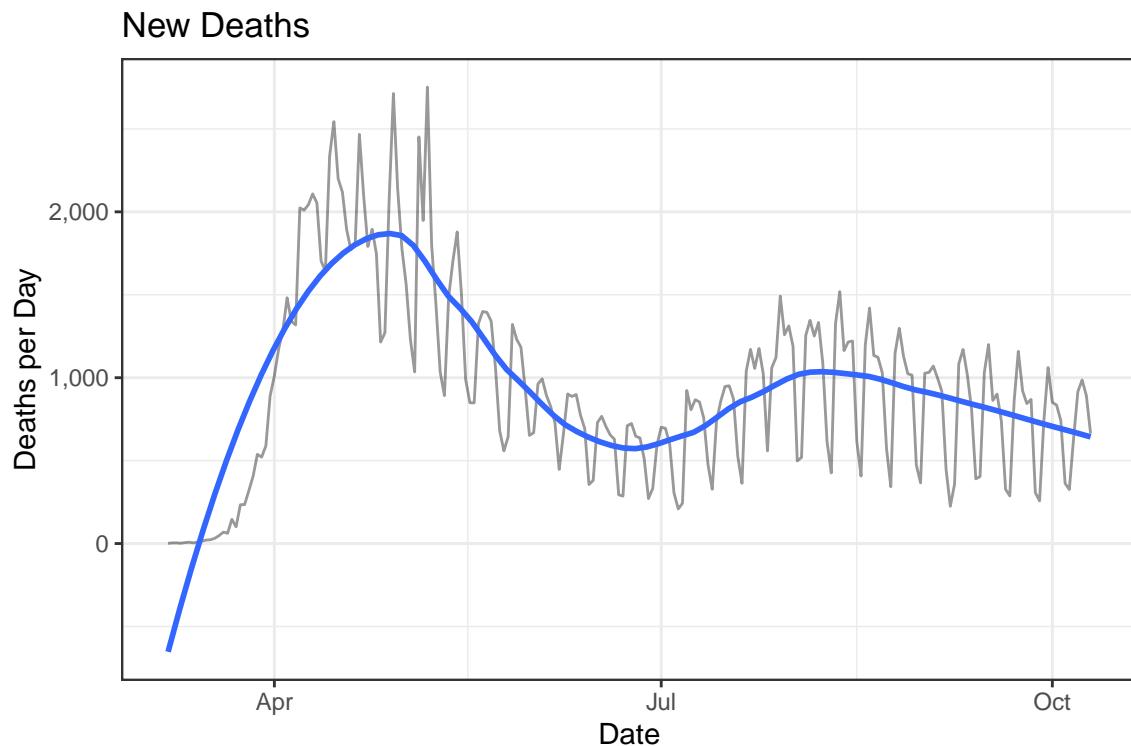
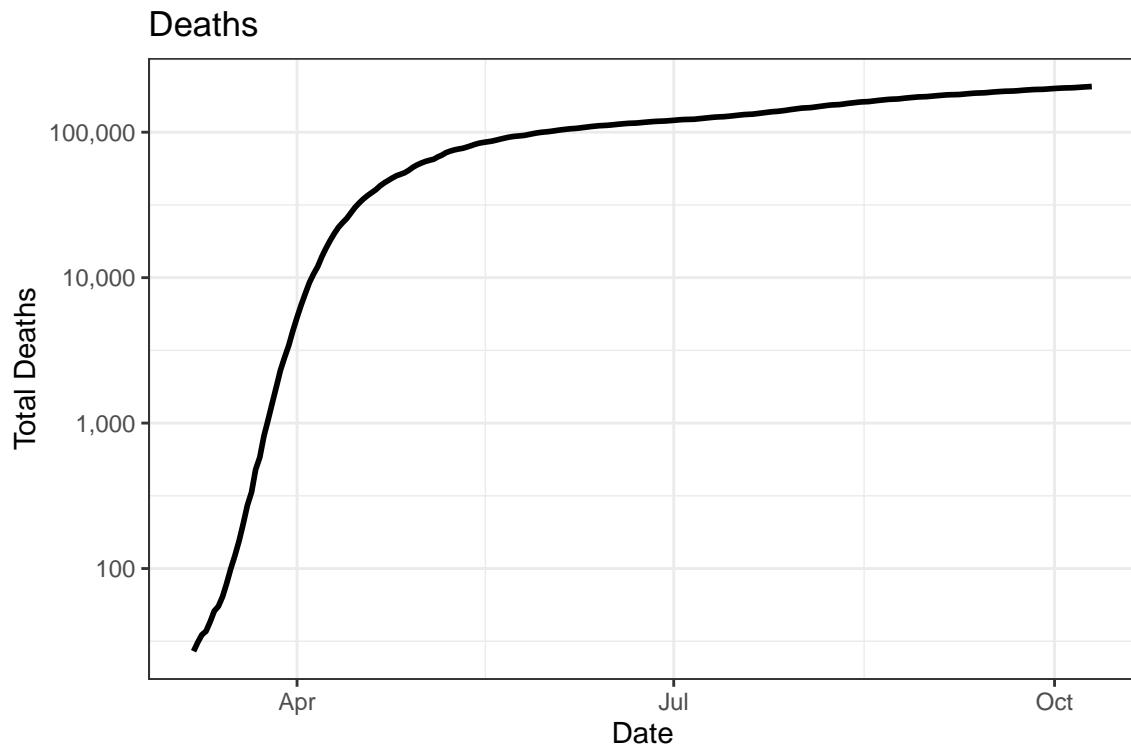
There have been 7,680,854 confirmed Covid-19 cases and 206,133 deaths in the United States.

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

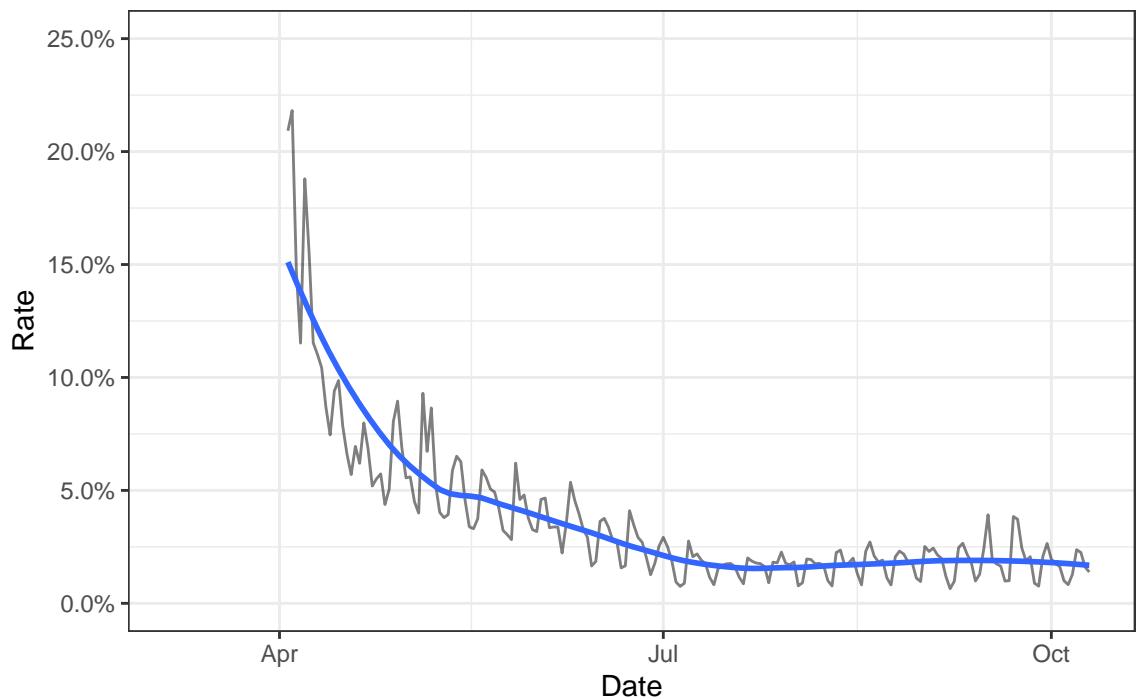
Date	Cases	Deaths	New Cases	New Deaths
2020-10-10	7,680,854	206,133	57,206	663
2020-10-09	7,623,648	205,470	57,060	893
2020-10-08	7,566,588	204,577	55,352	986
2020-10-07	7,511,236	203,591	50,602	916
2020-10-06	7,460,634	202,675	38,661	634
2020-10-05	7,421,973	202,041	38,133	326
2020-10-04	7,383,840	201,715	38,439	363
2020-10-03	7,345,401	201,352	51,372	741
2020-10-02	7,294,029	200,611	49,534	835
2020-10-01	7,244,495	199,776	45,694	851
2020-09-30	7,198,801	198,925	44,424	1,061
2020-09-29	7,154,377	197,864	36,947	739
2020-09-28	7,117,430	197,125	36,524	257
2020-09-27	7,080,906	196,868	35,454	307

Deaths

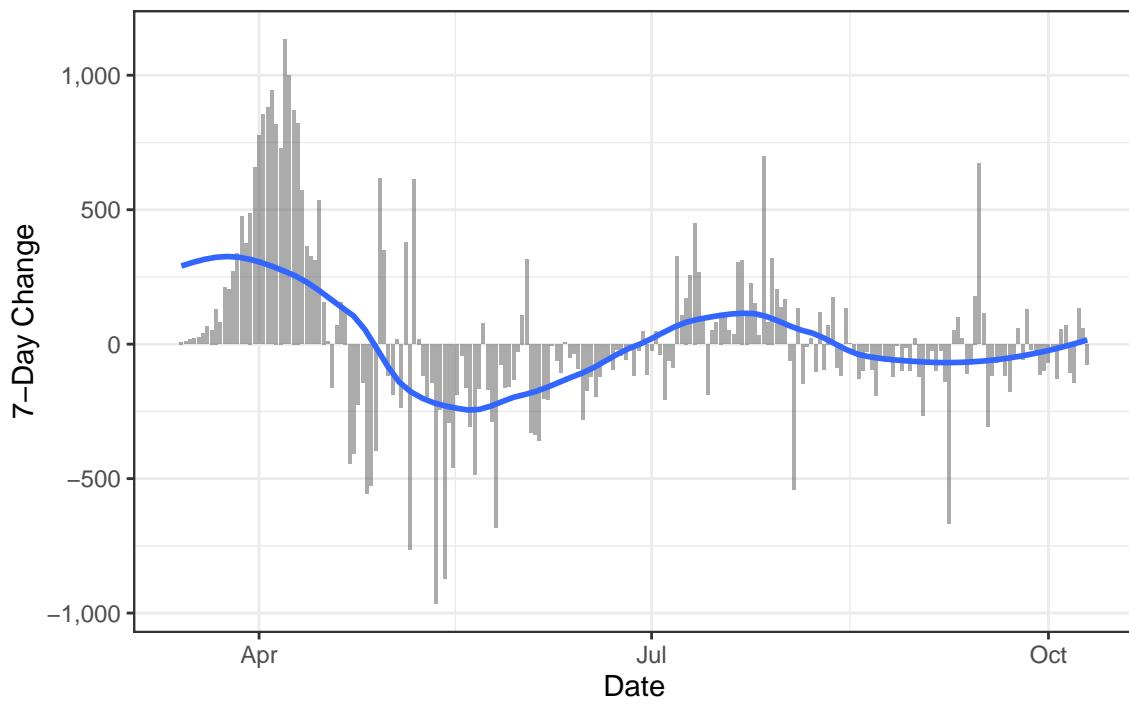
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

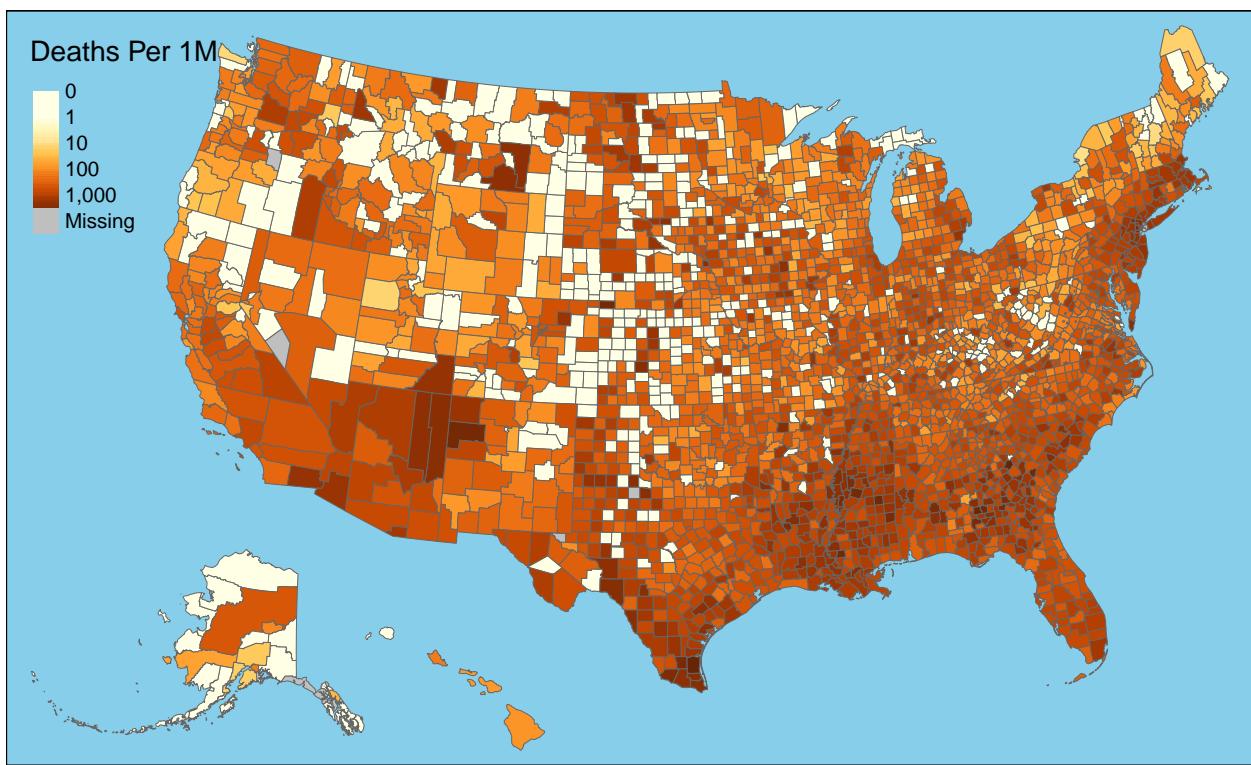


Daily Case Mortality Rate



One-Week Change in Daily Deaths

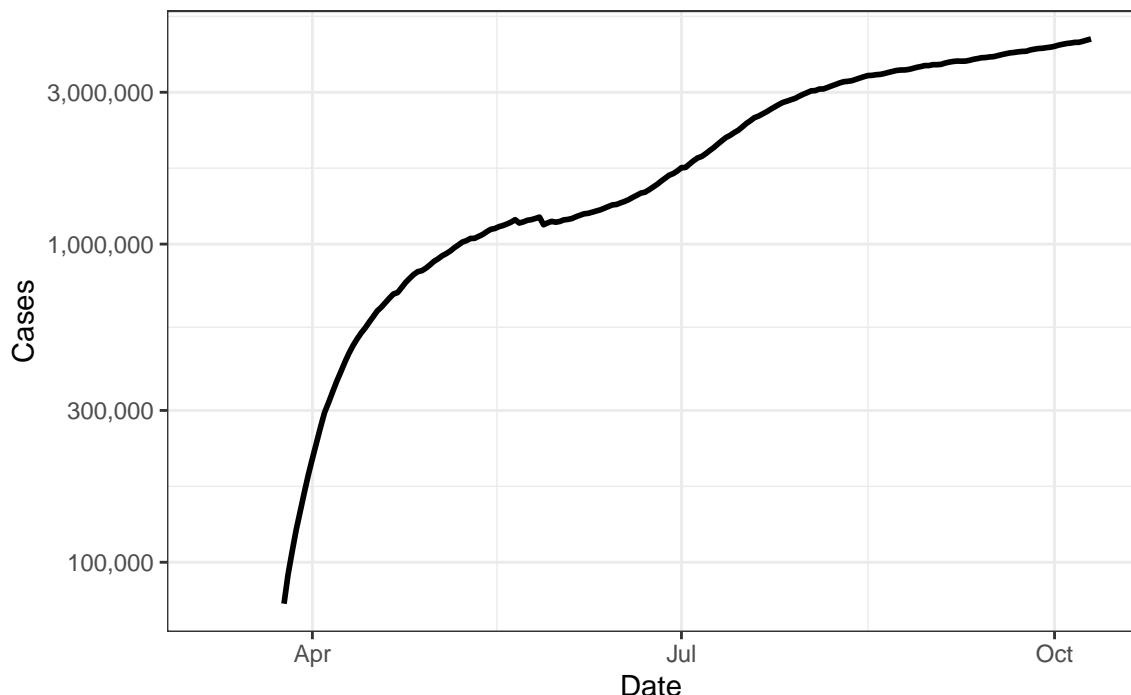




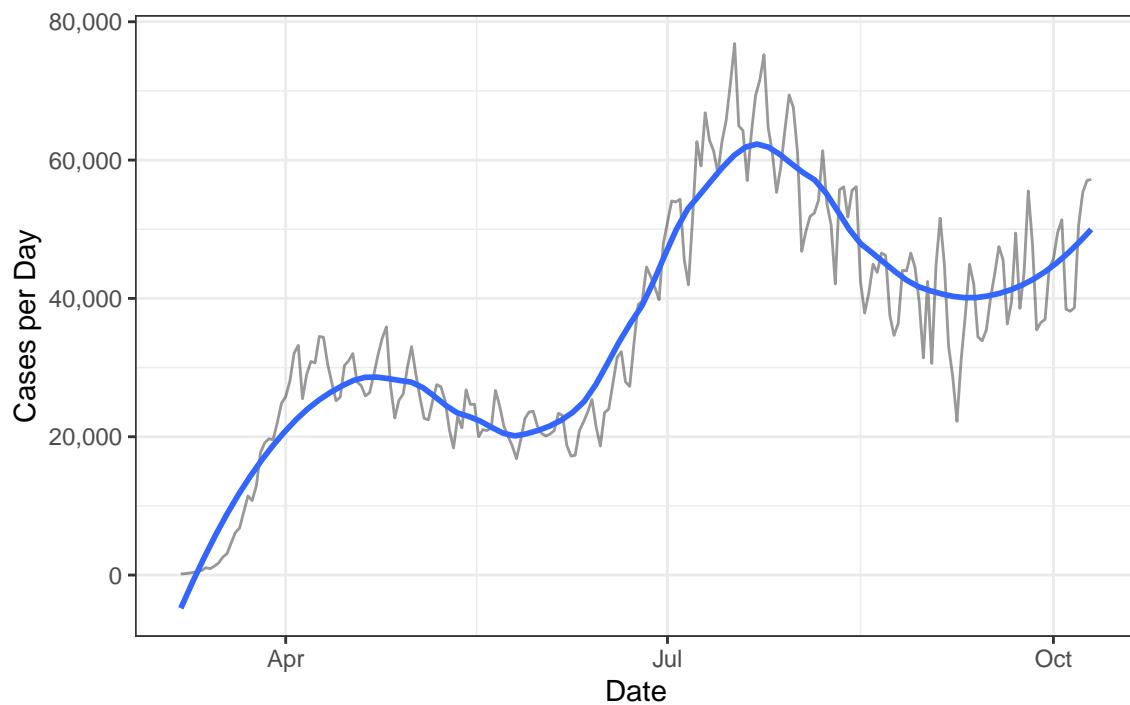
Cases

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

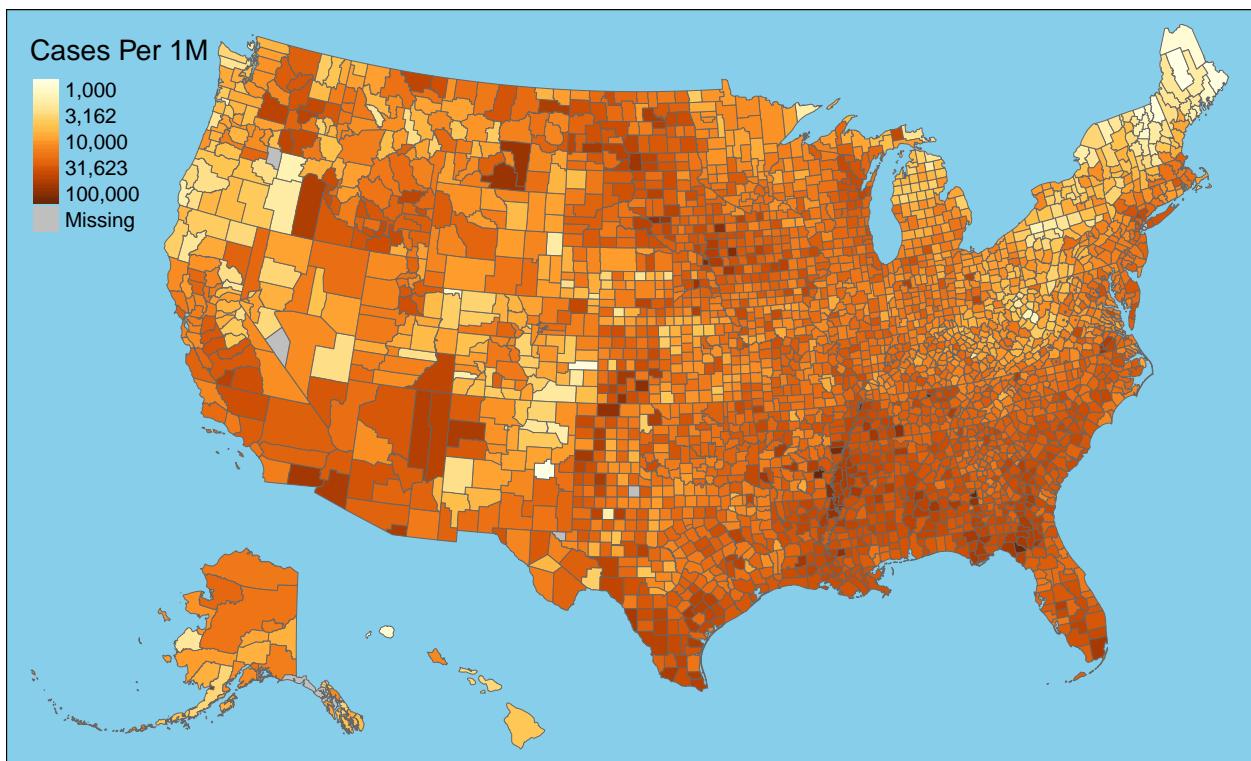
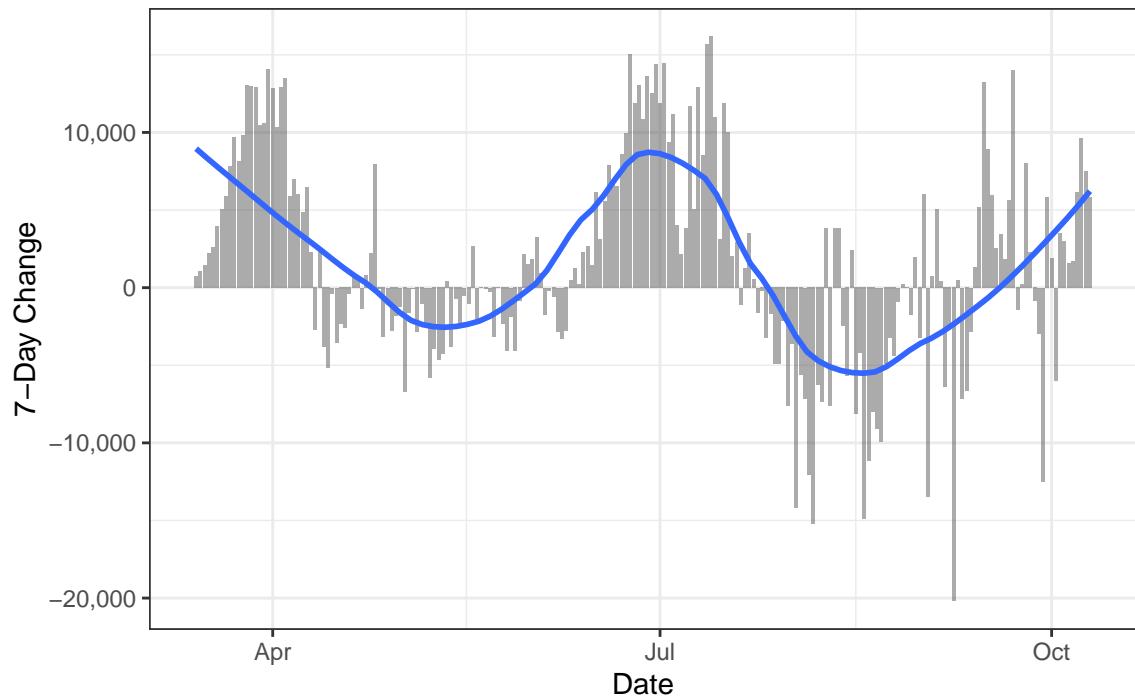
Active Cases



New Cases

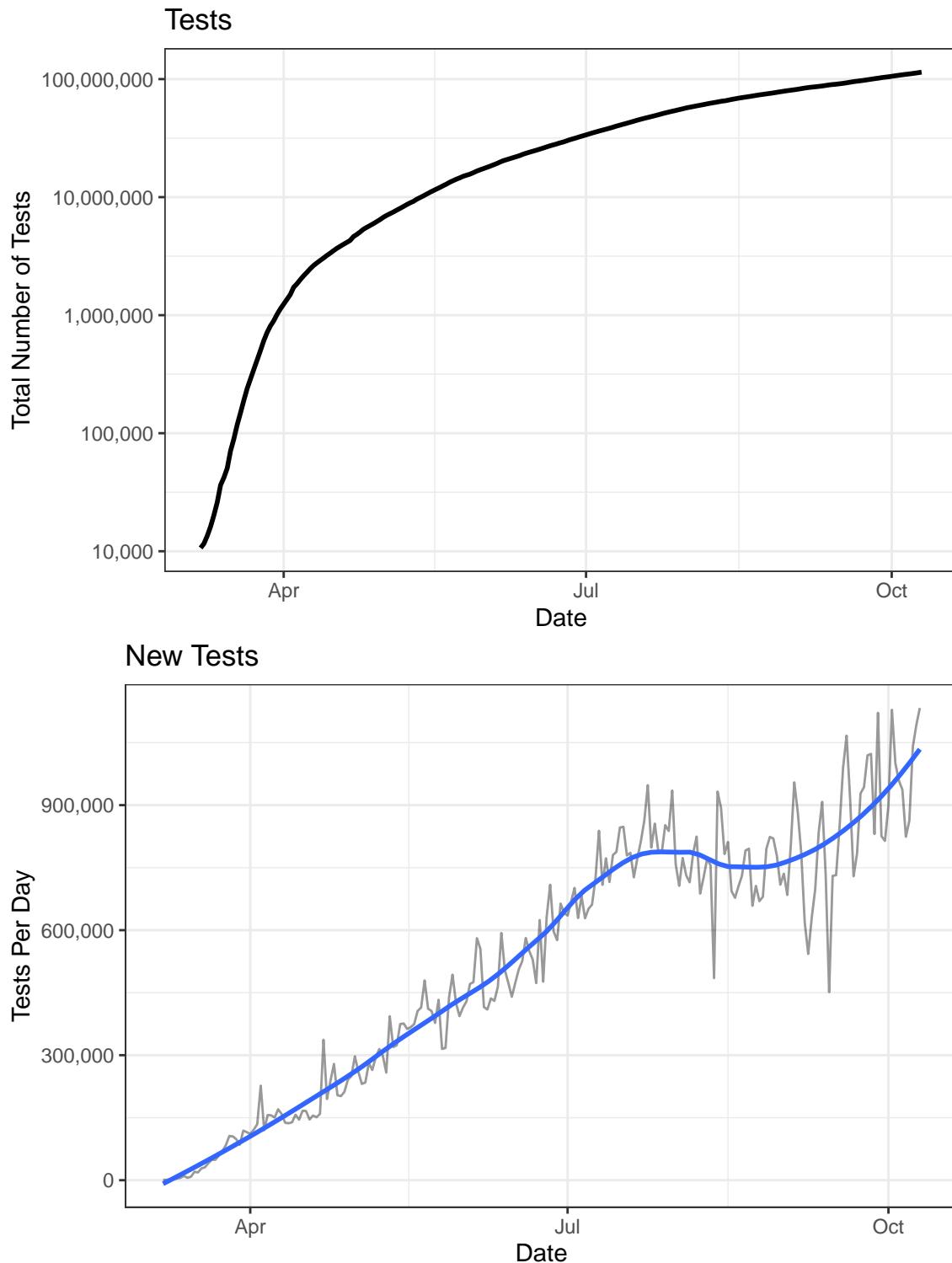


One-Week Change in Daily Cases

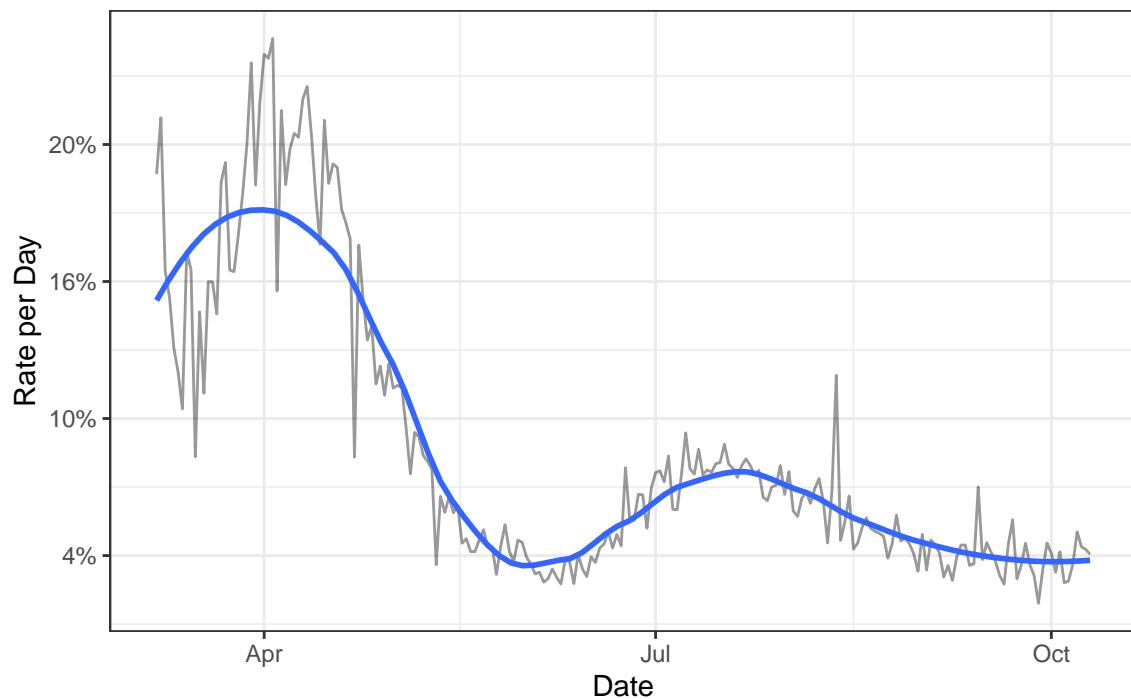


Testing

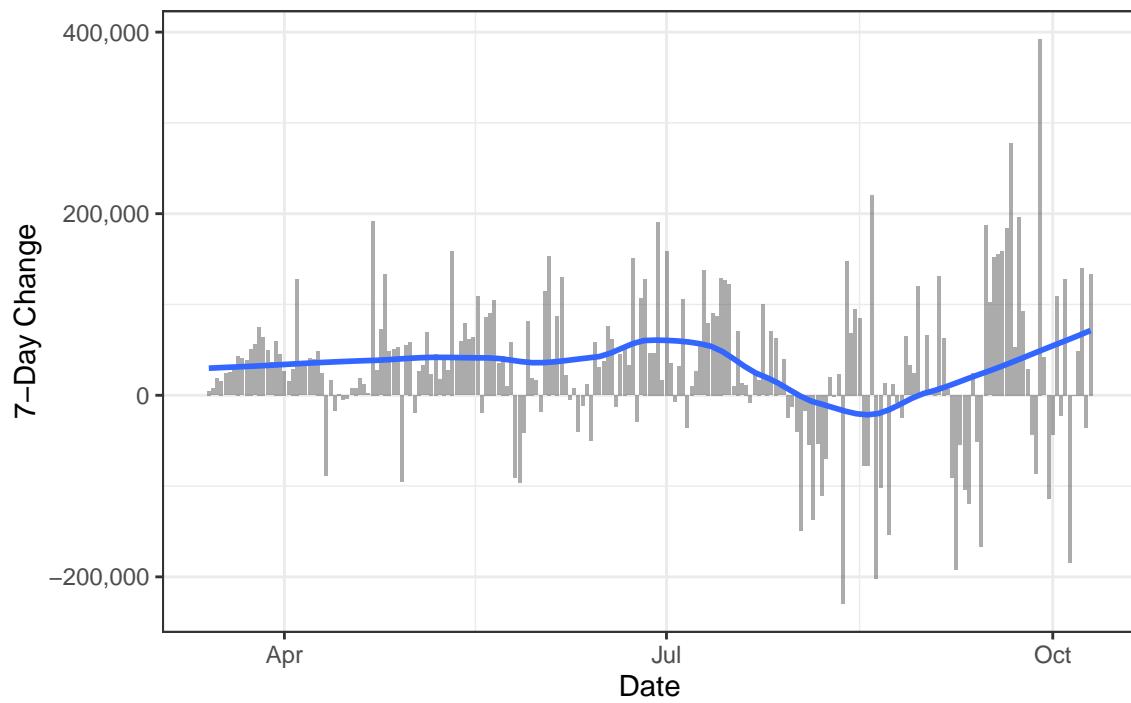
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

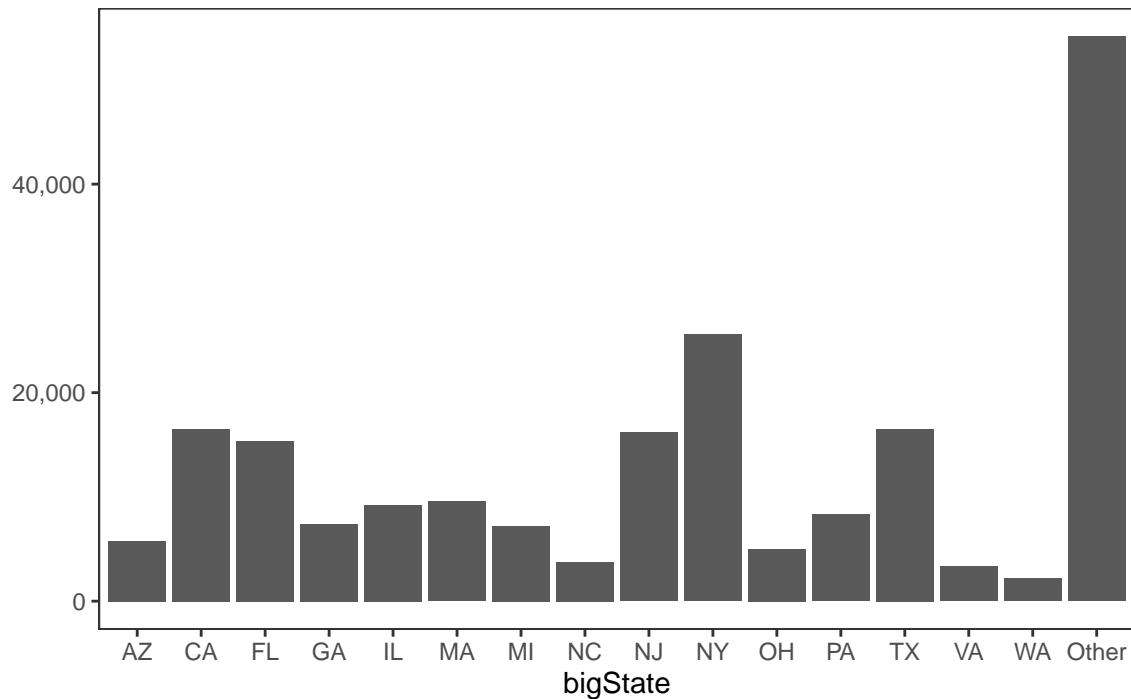


State Data

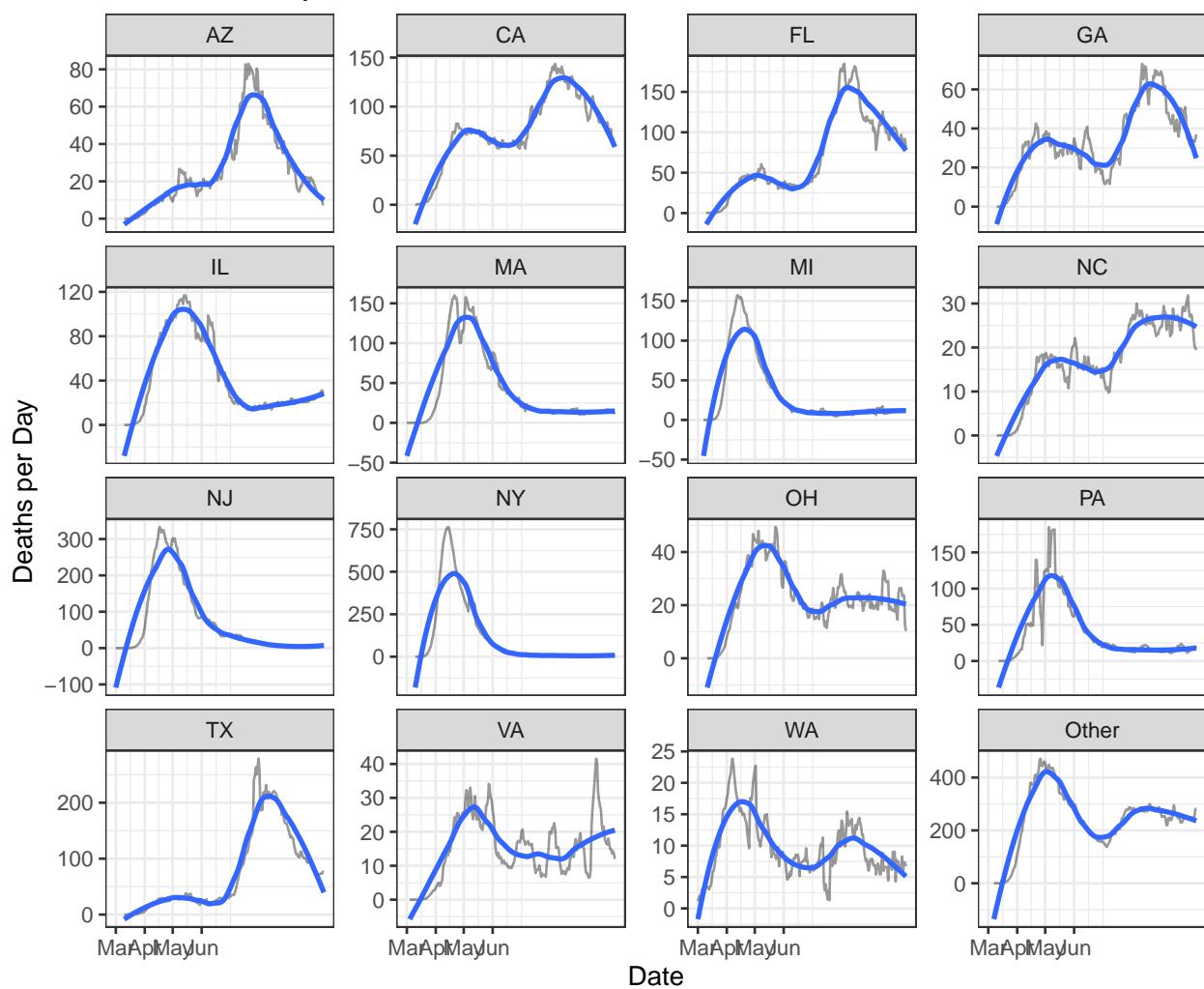
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

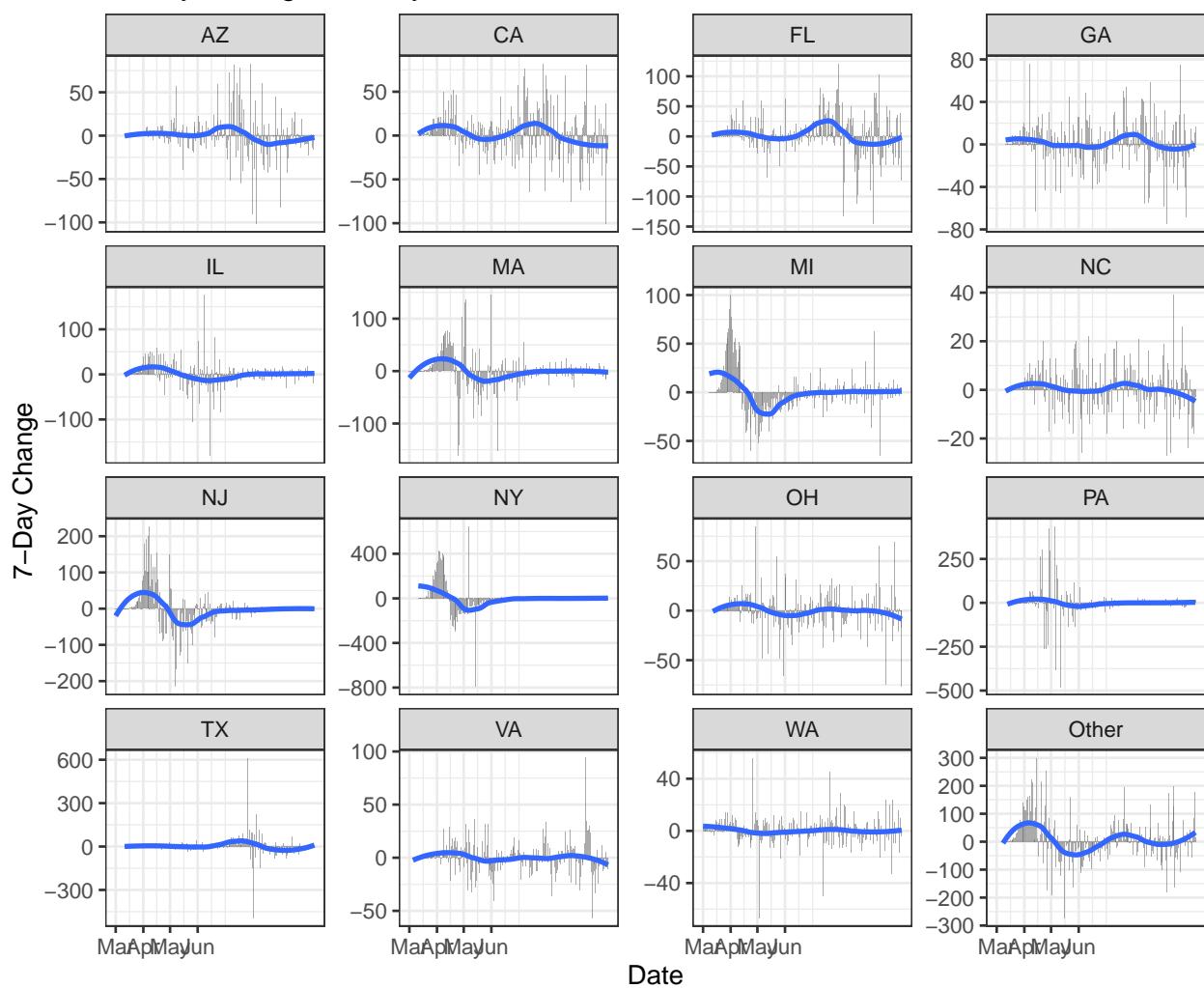
Deaths by State

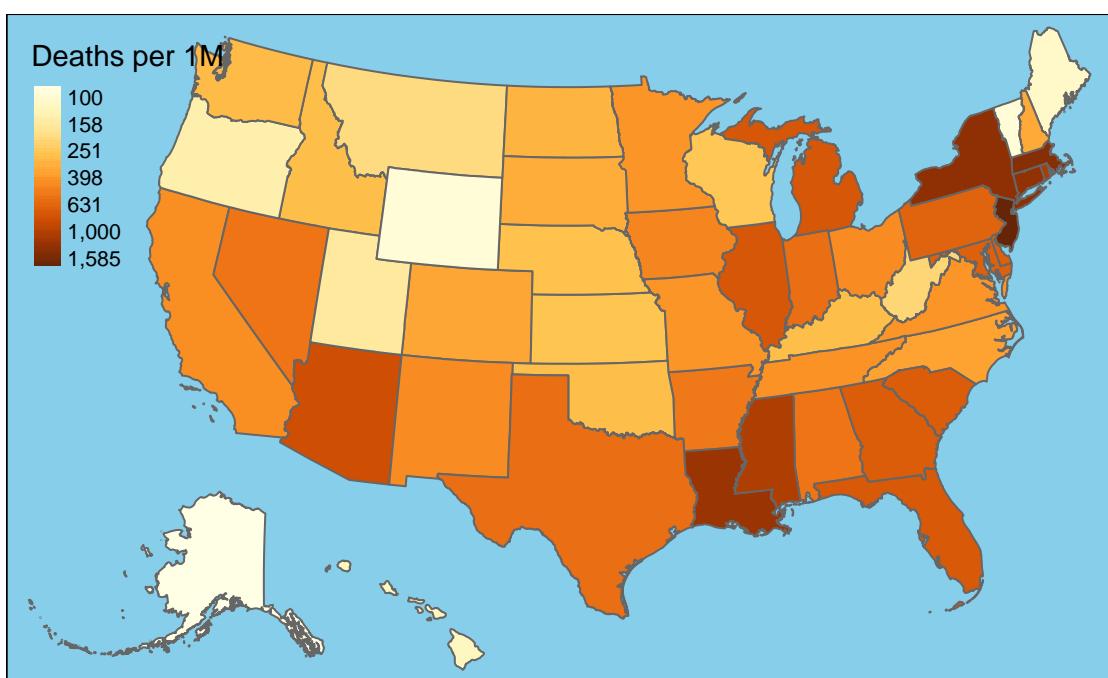
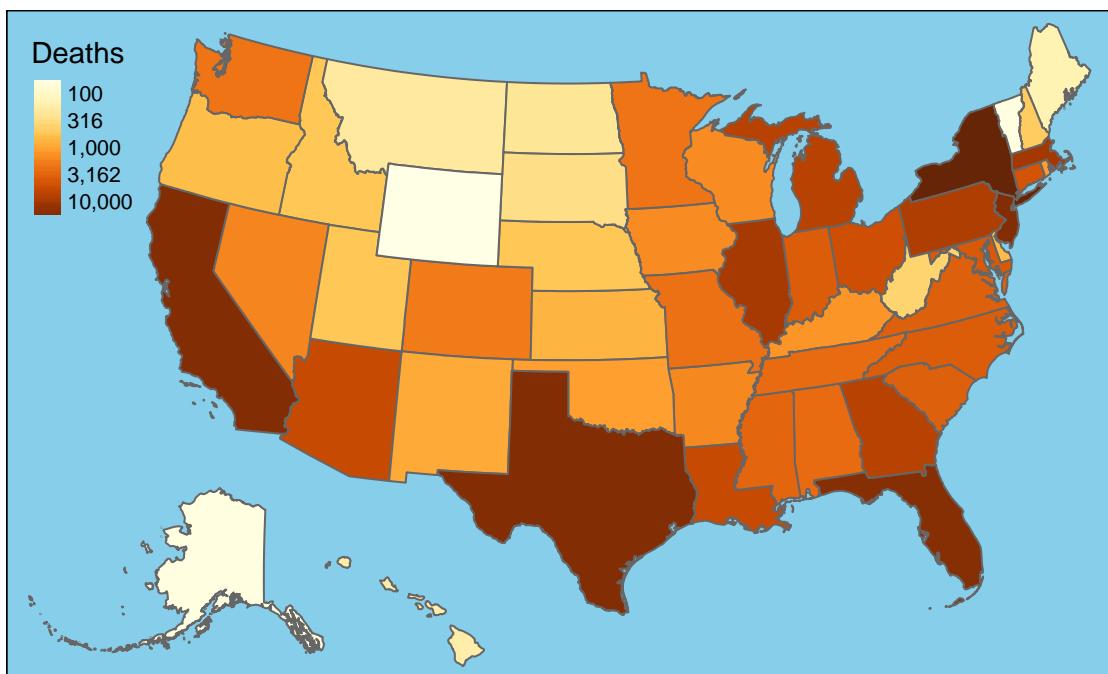


New Deaths by State



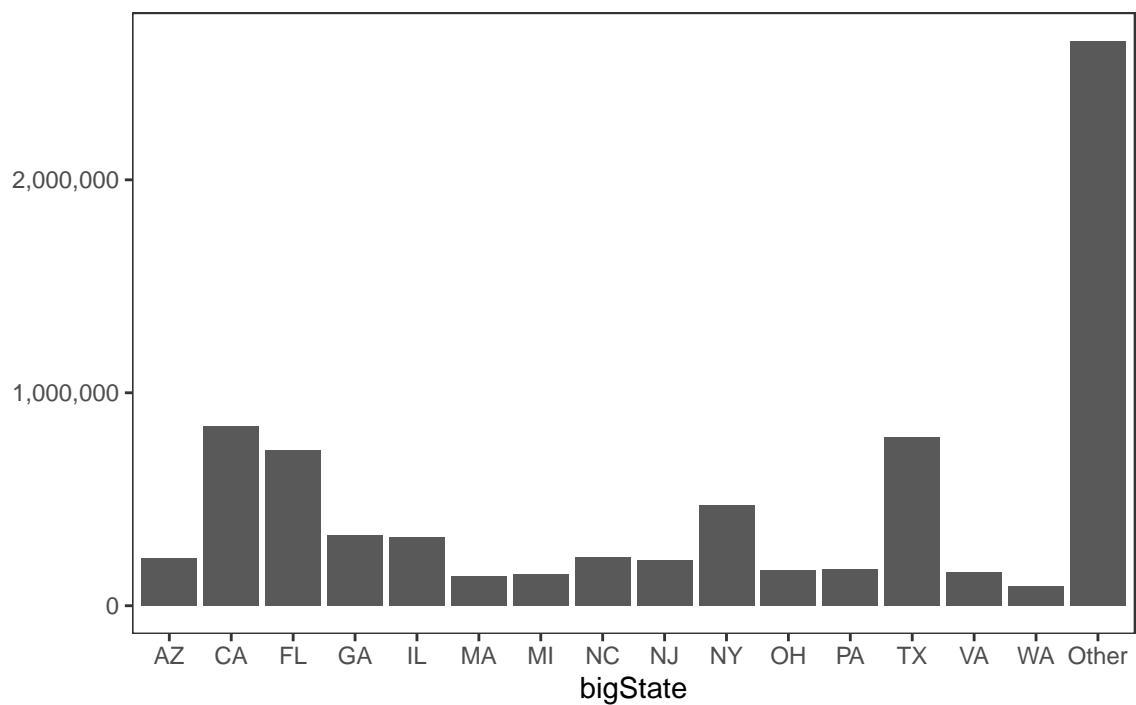
7-Day Change in Daily Deaths



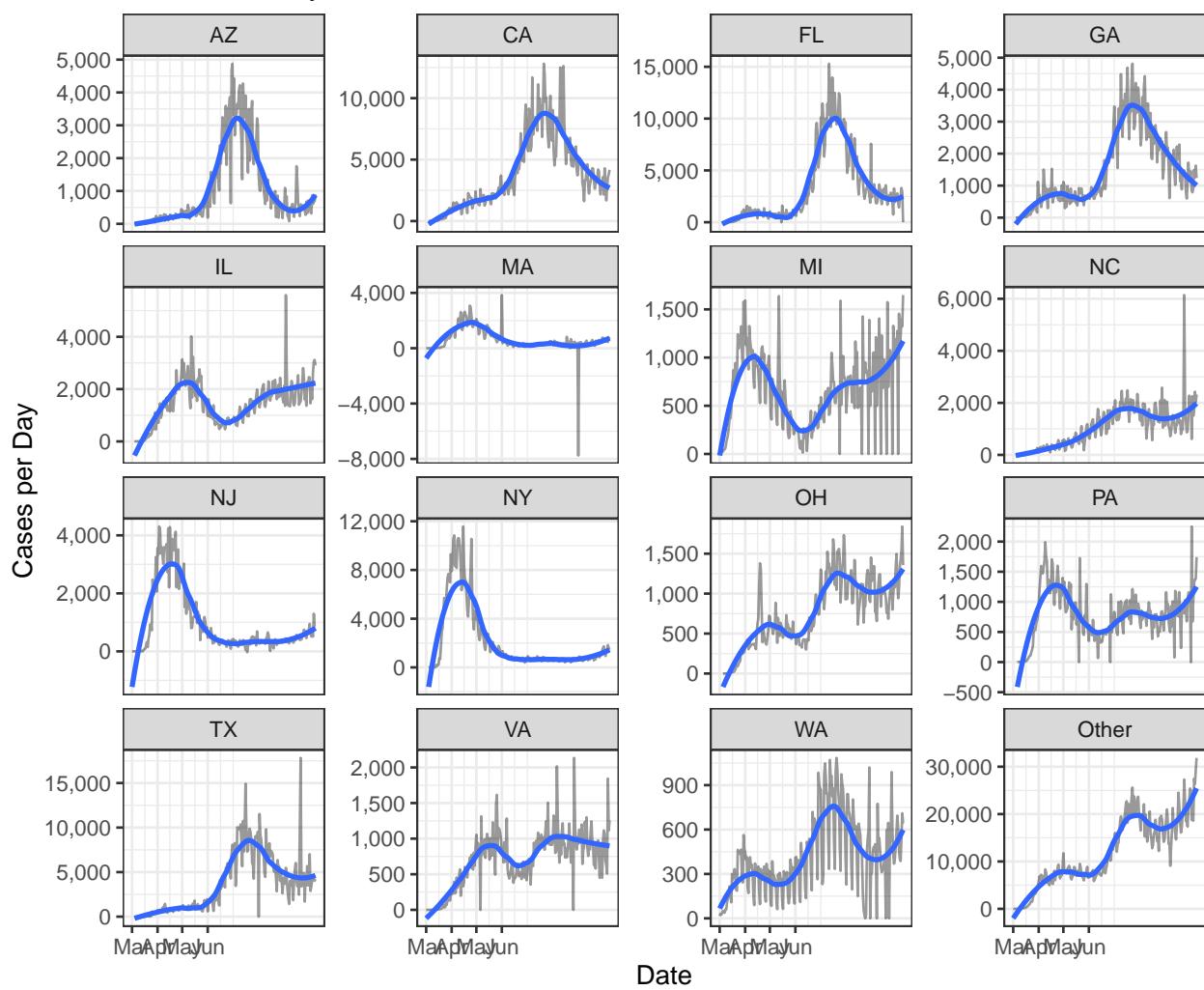


Cases

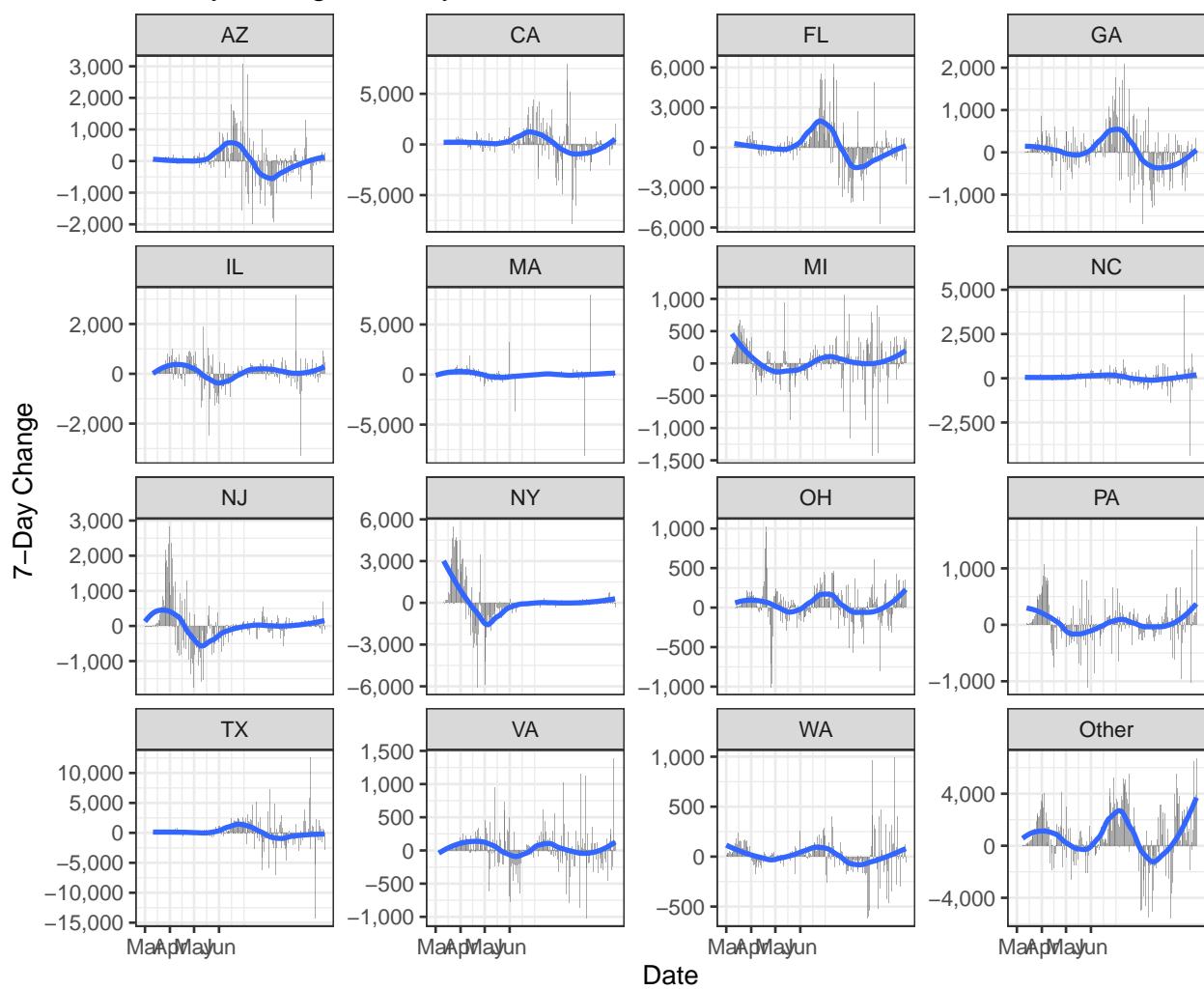
Cases by State

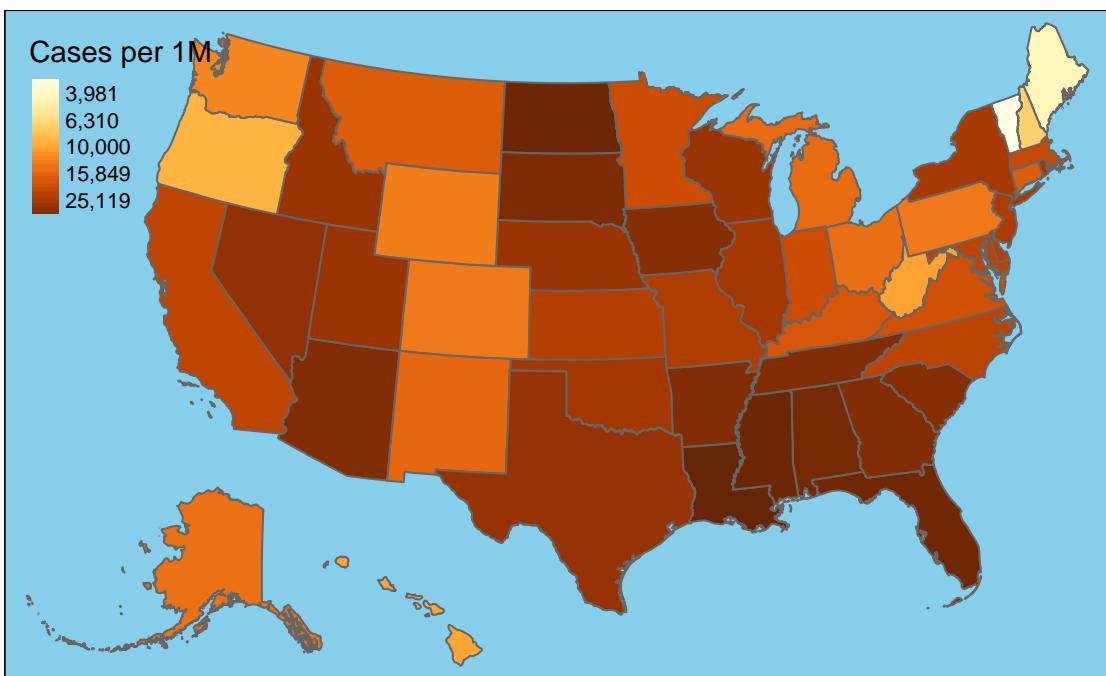
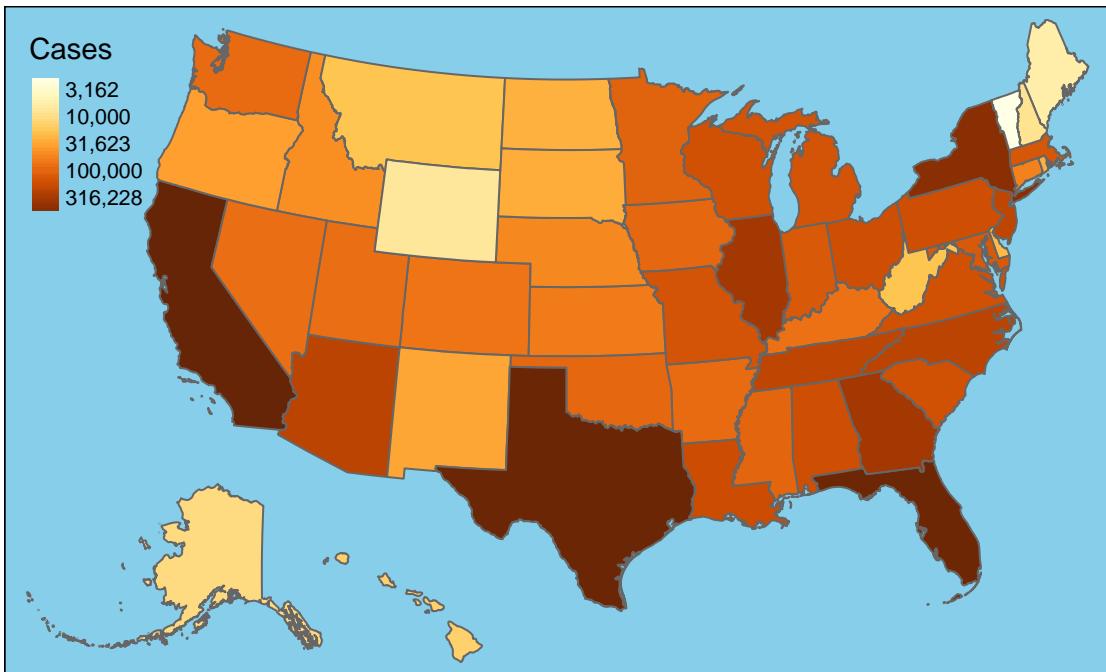


New Cases by State

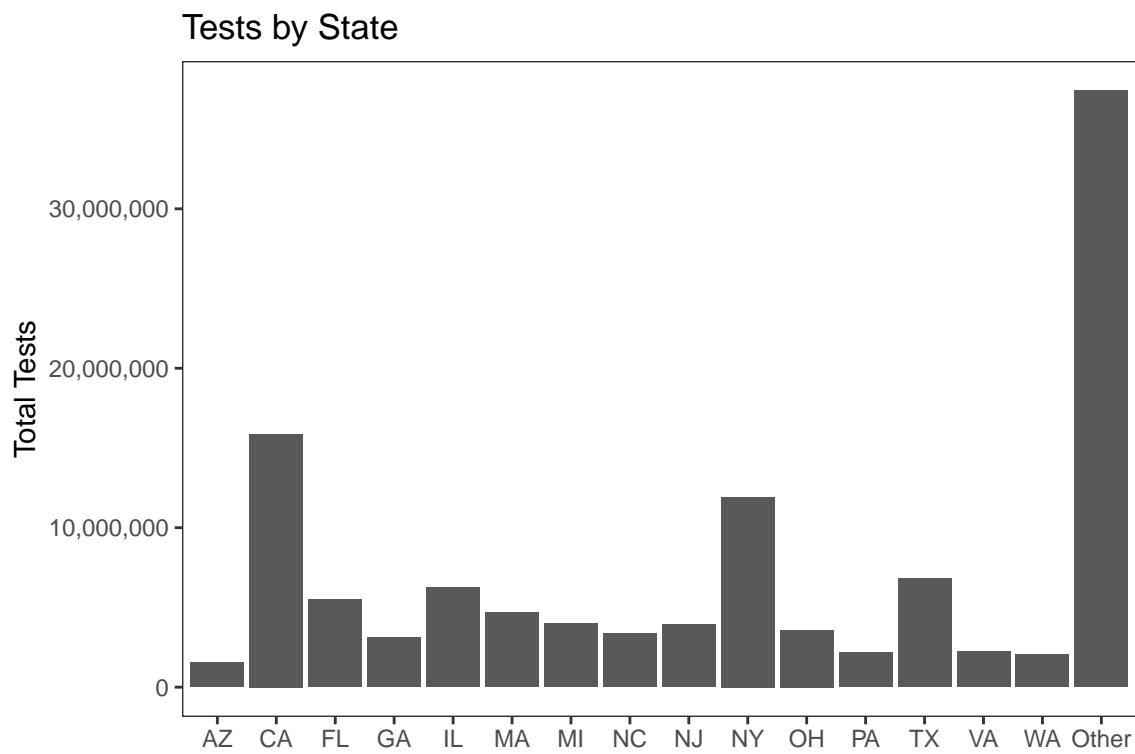


7-Day Change in Daily Cases

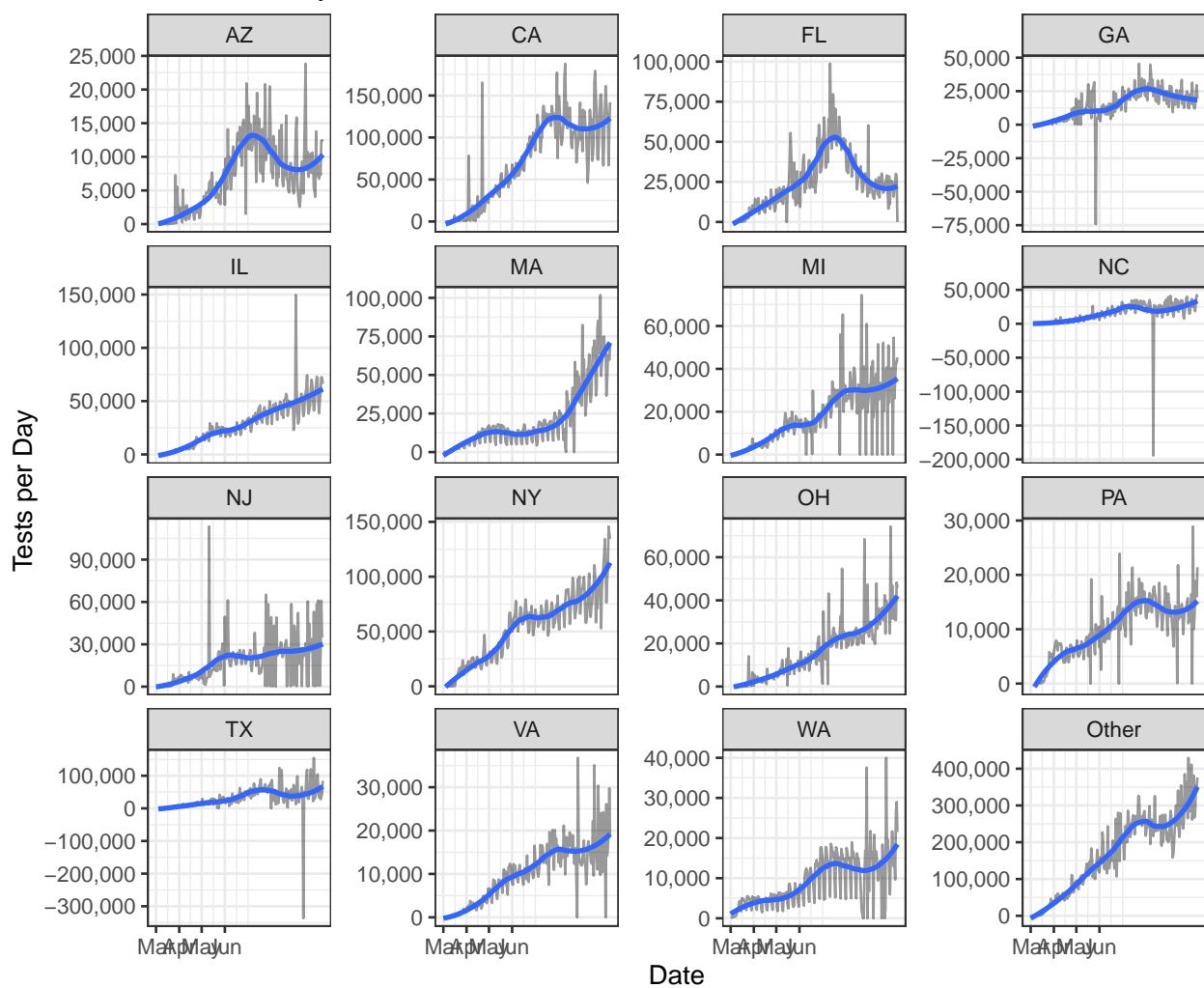


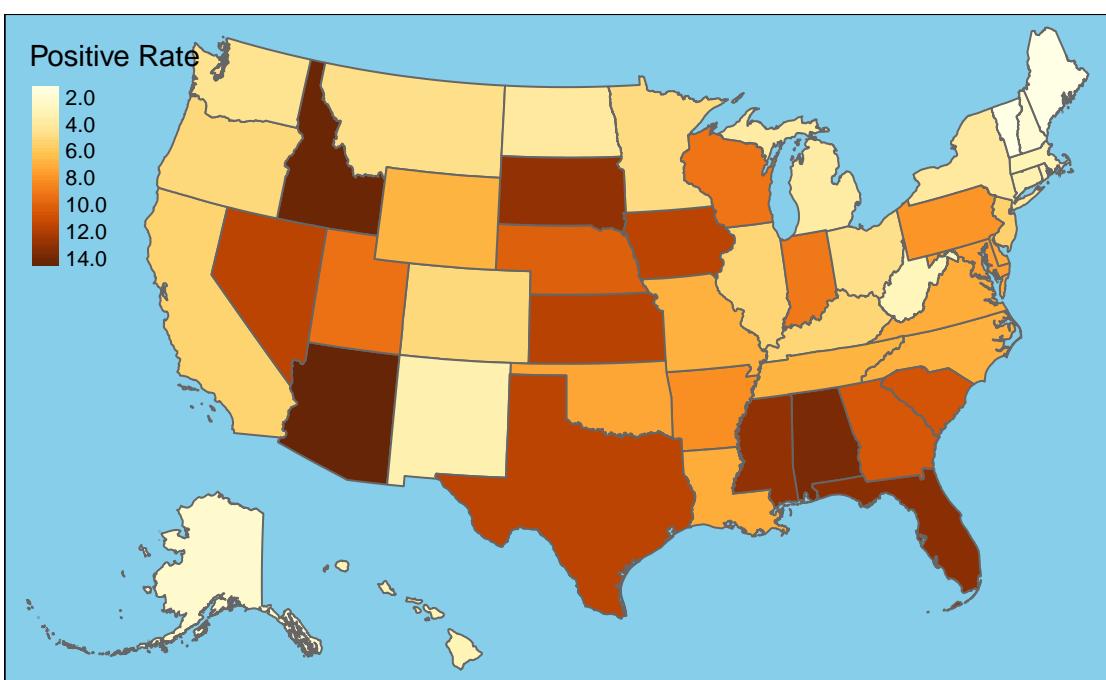
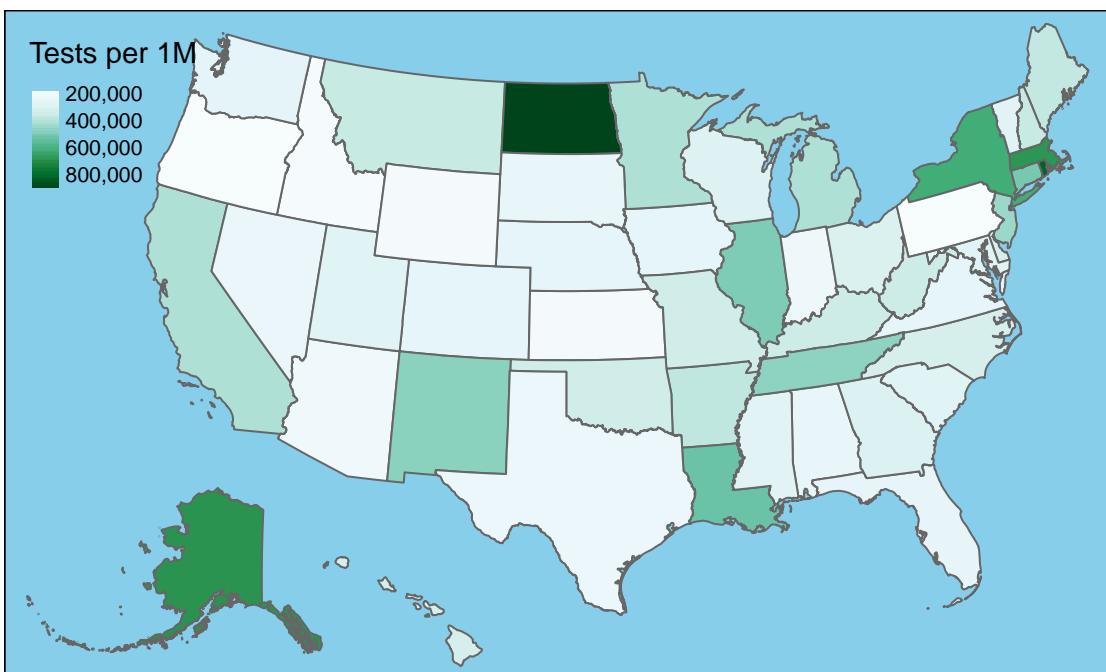


Testing



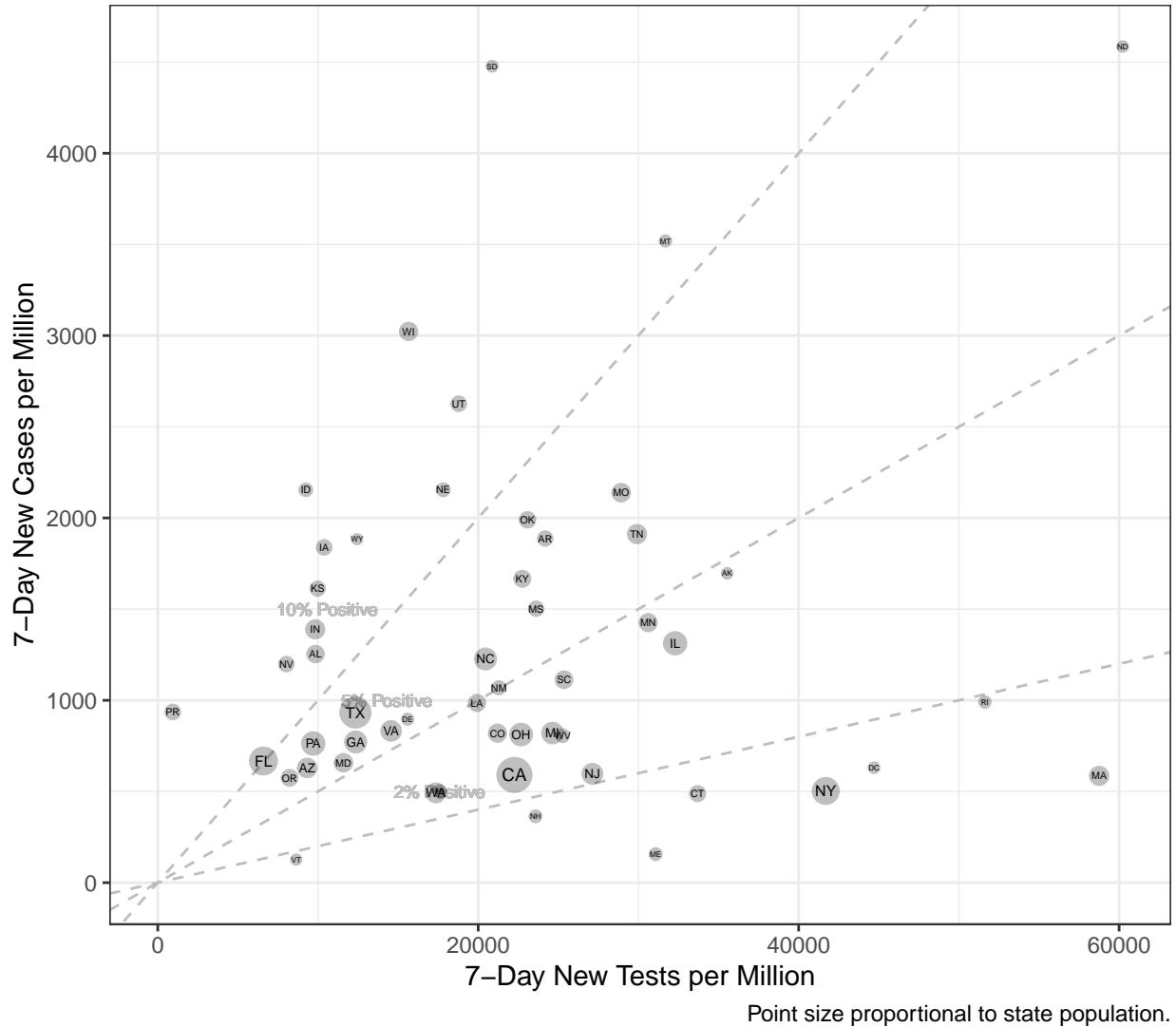
New Tests by State





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



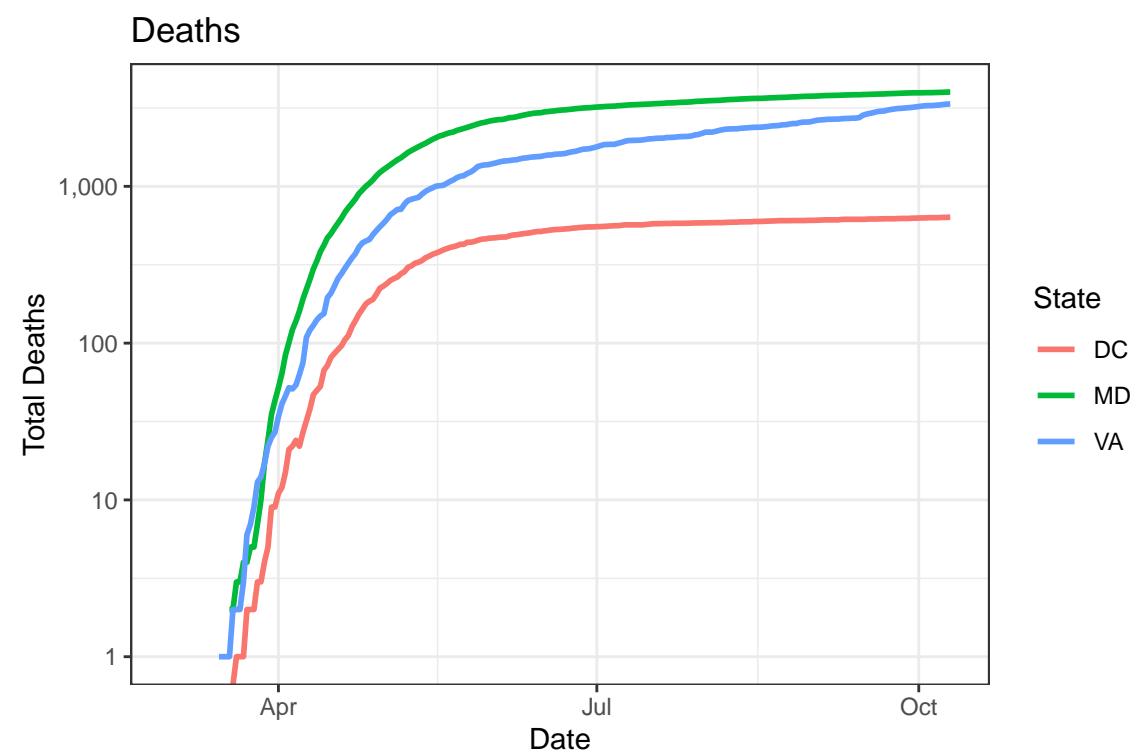
Local Data

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

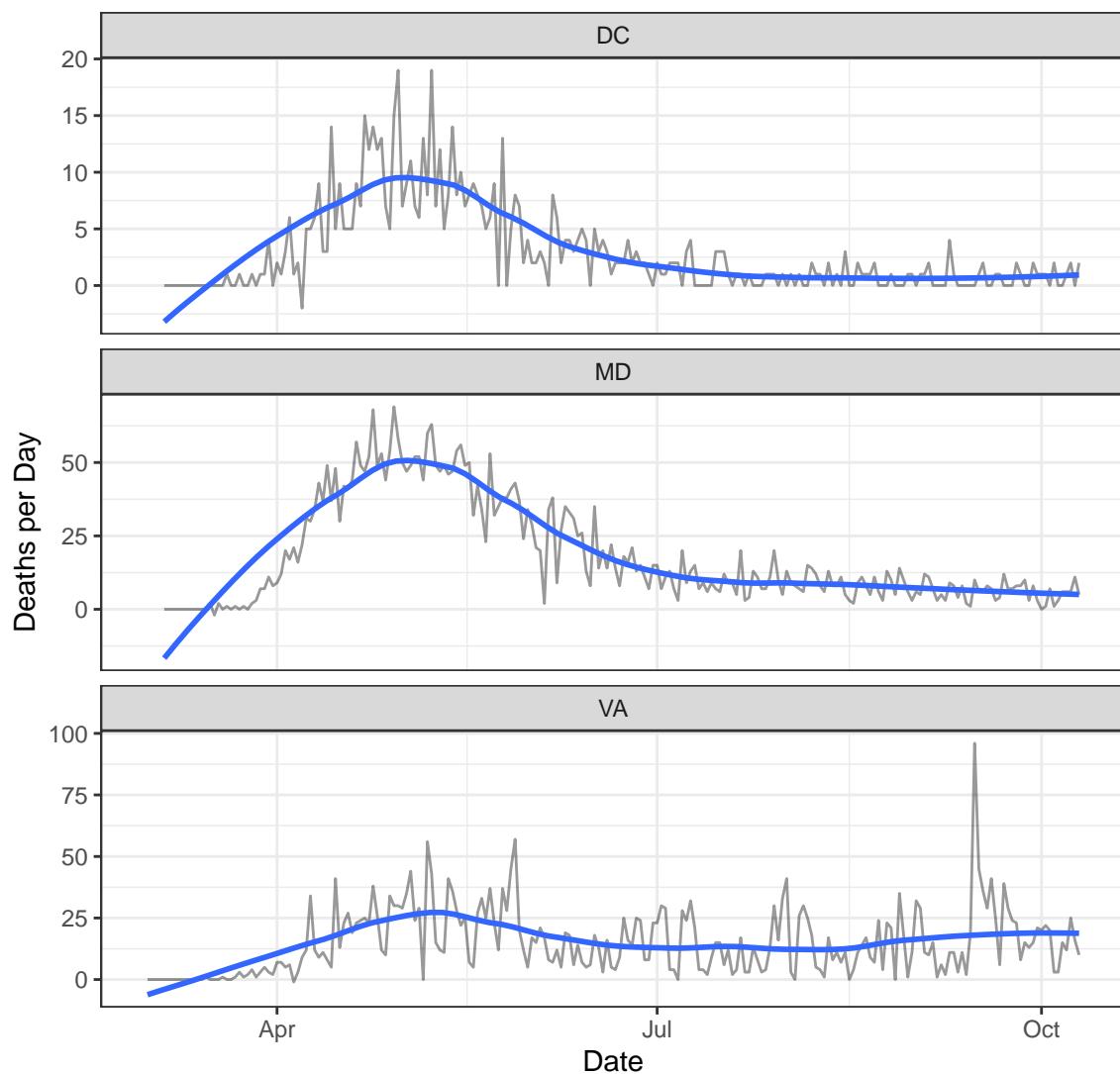
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,918	636	75	2
MD	130,795	3,995	636	5
VA	157,905	3,354	1,256	10

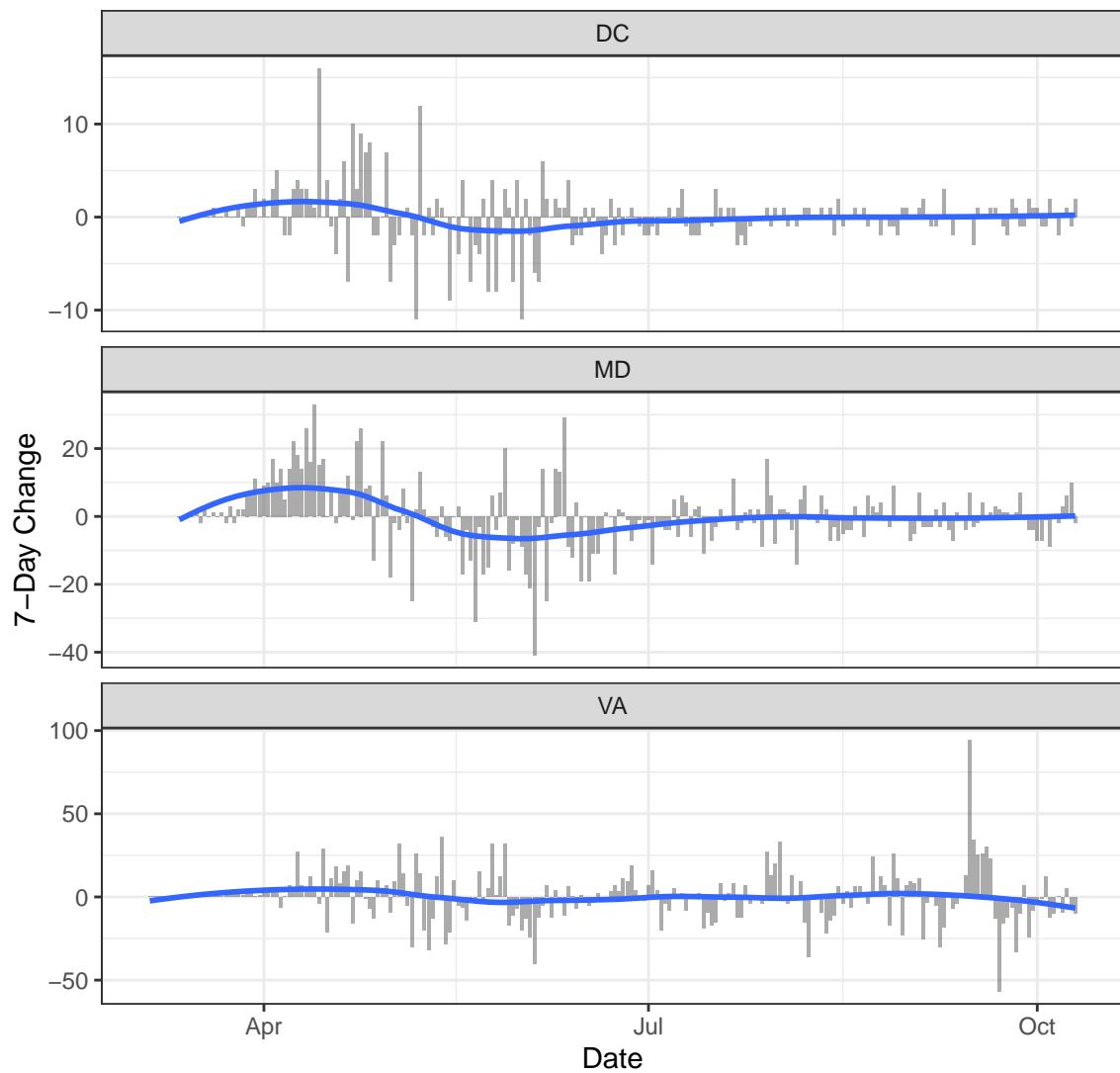
Deaths

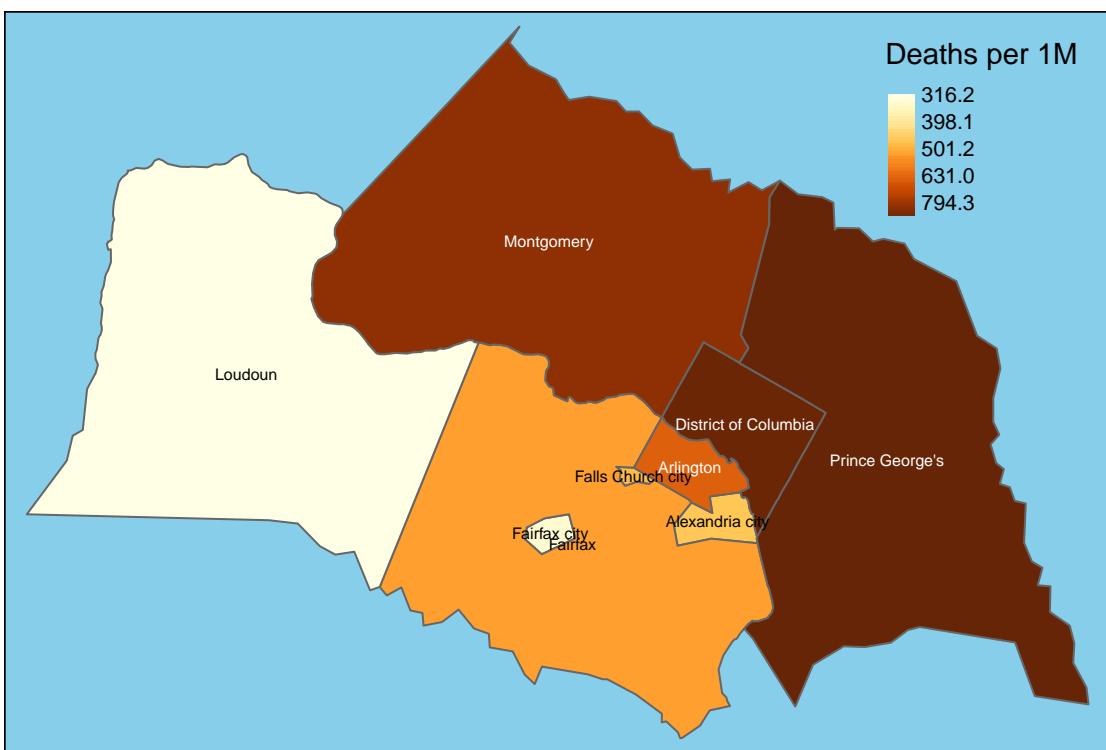
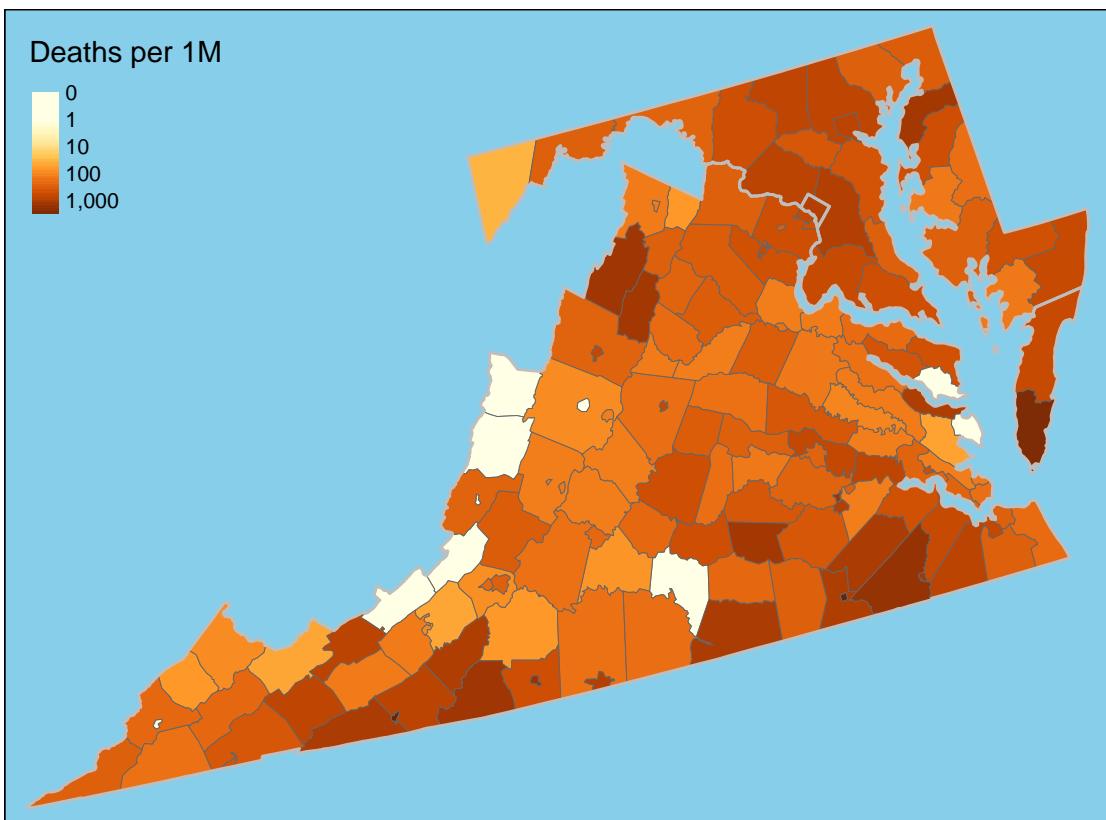


New Deaths

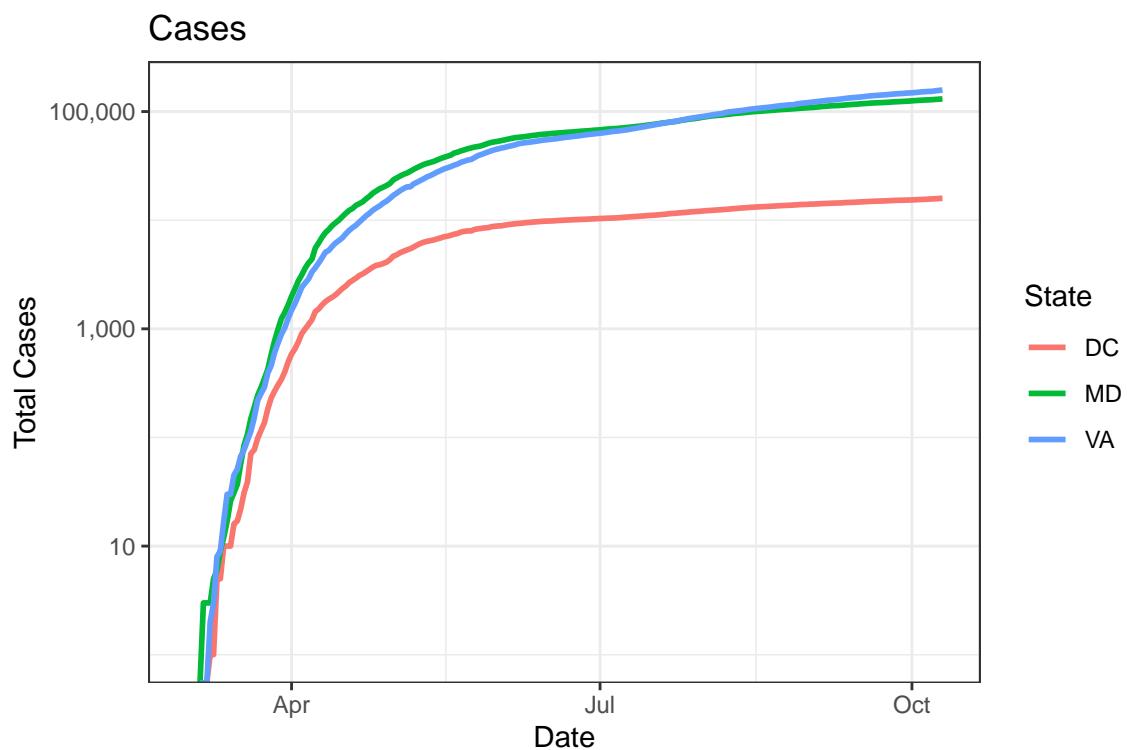


One-Week Change in Daily Deaths

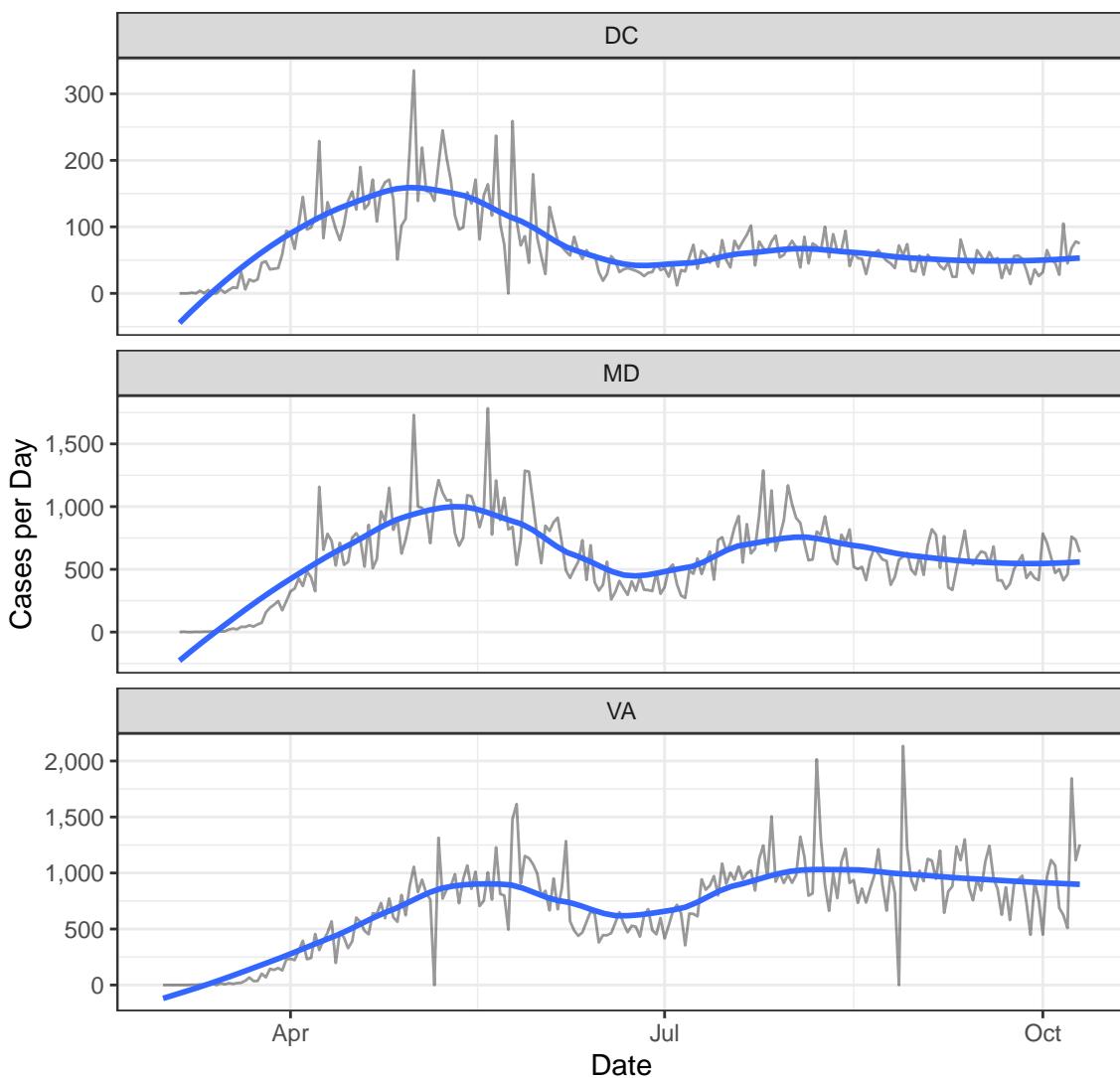




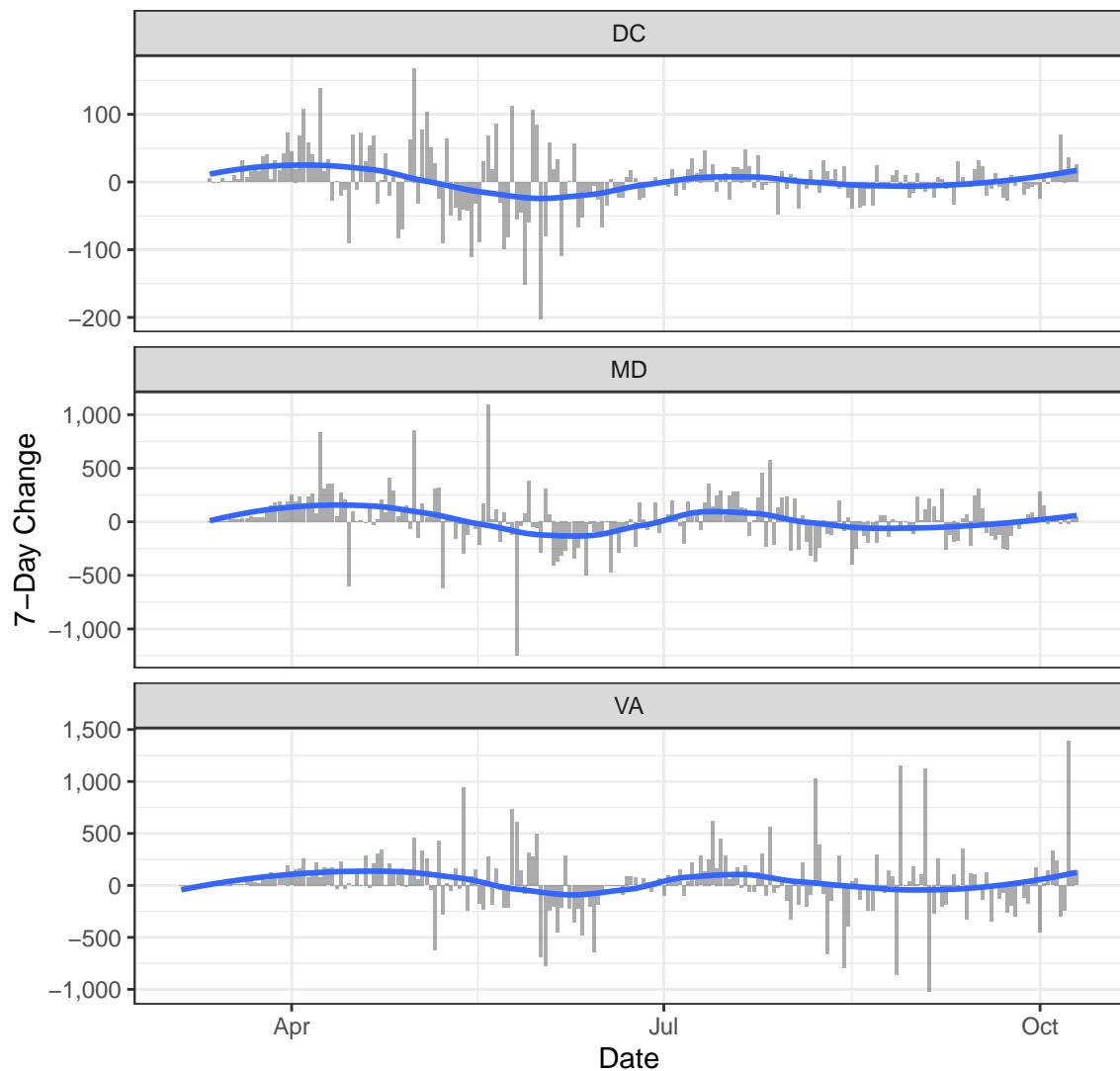
Cases

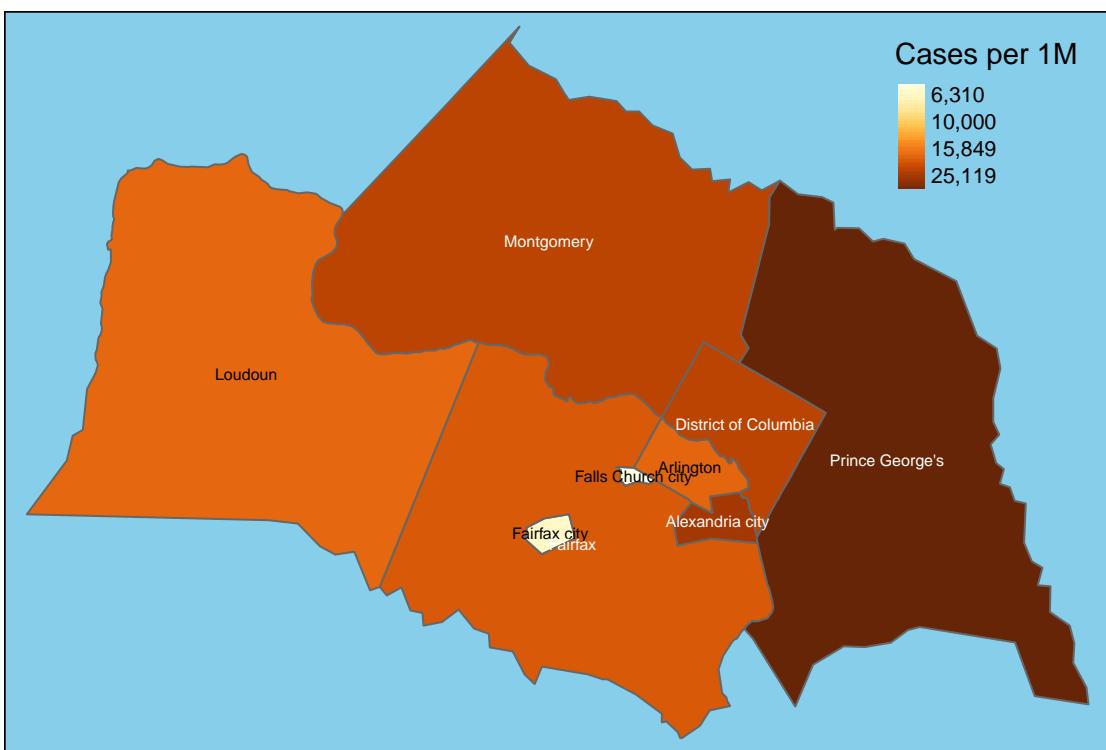
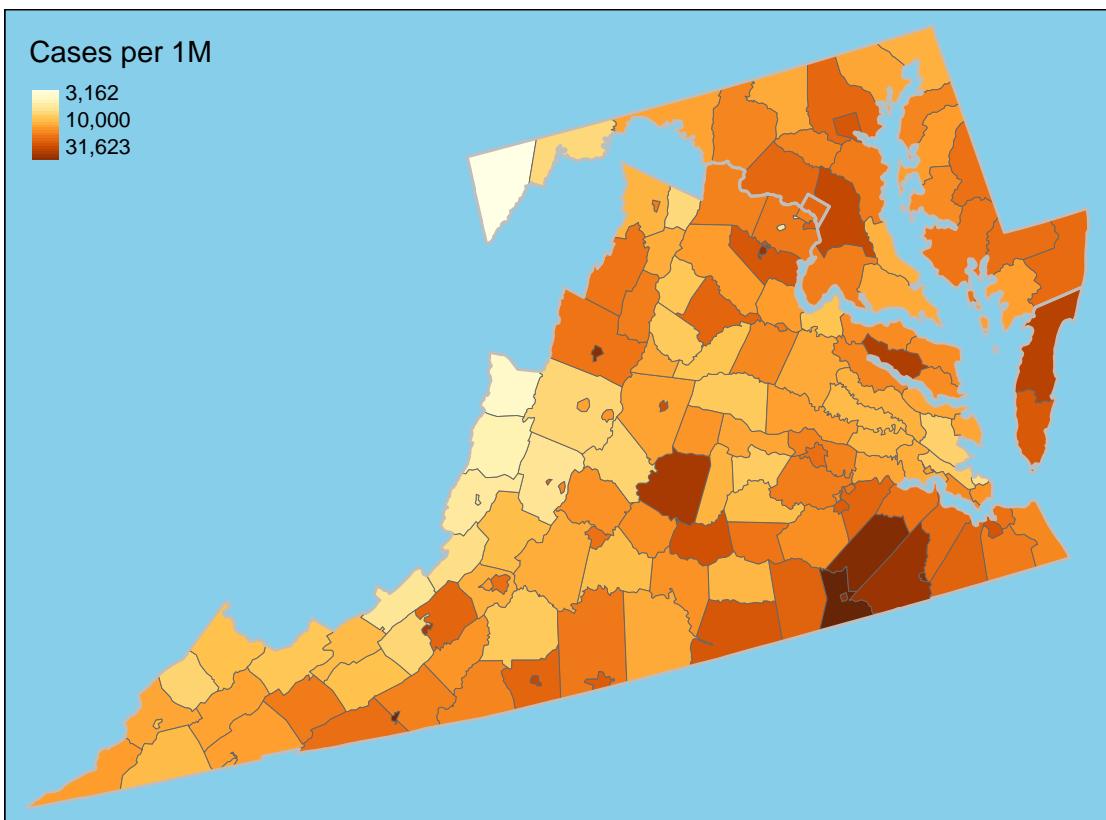


New Cases

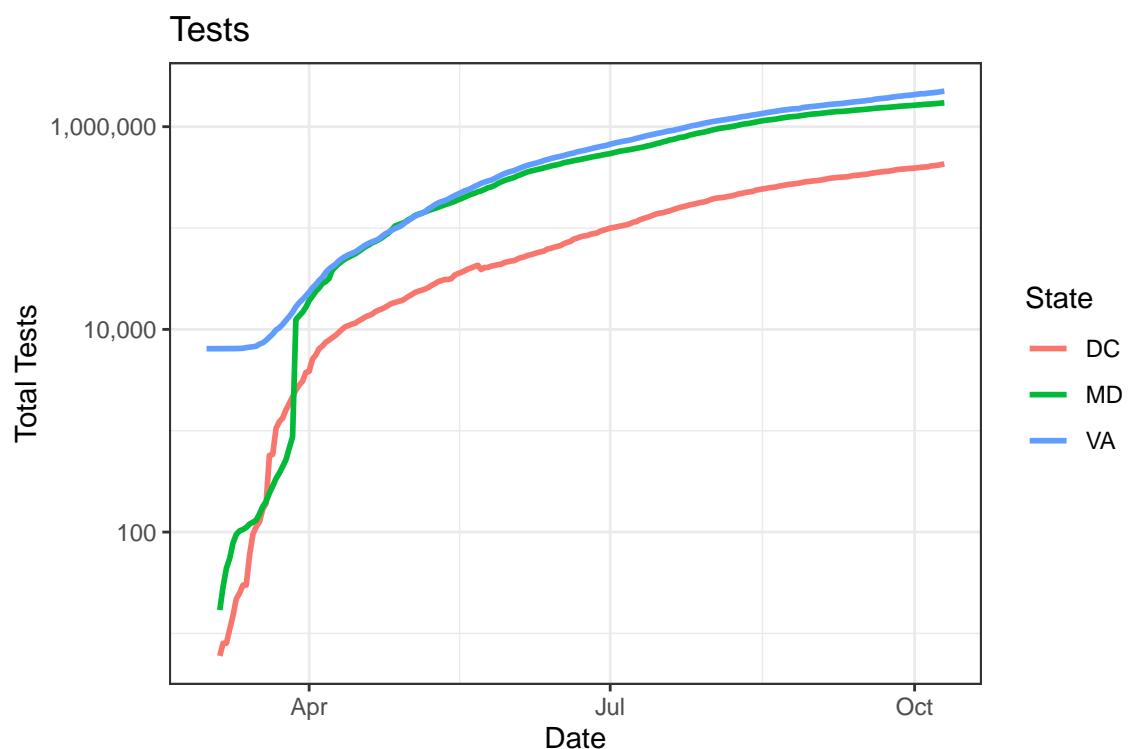


One-Week Change in Daily Cases

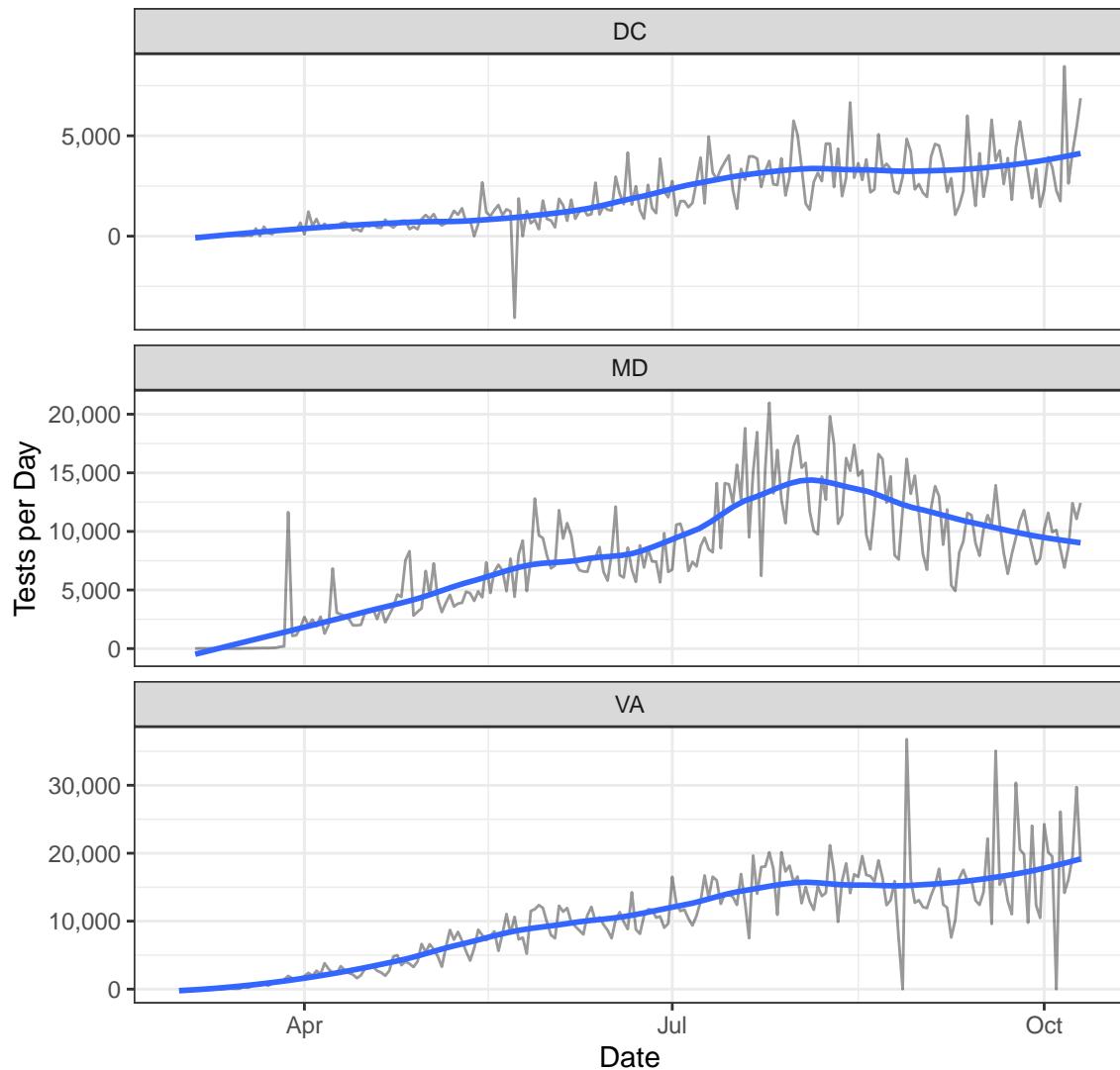




Testing



New Tests



Positive Test Rate

