

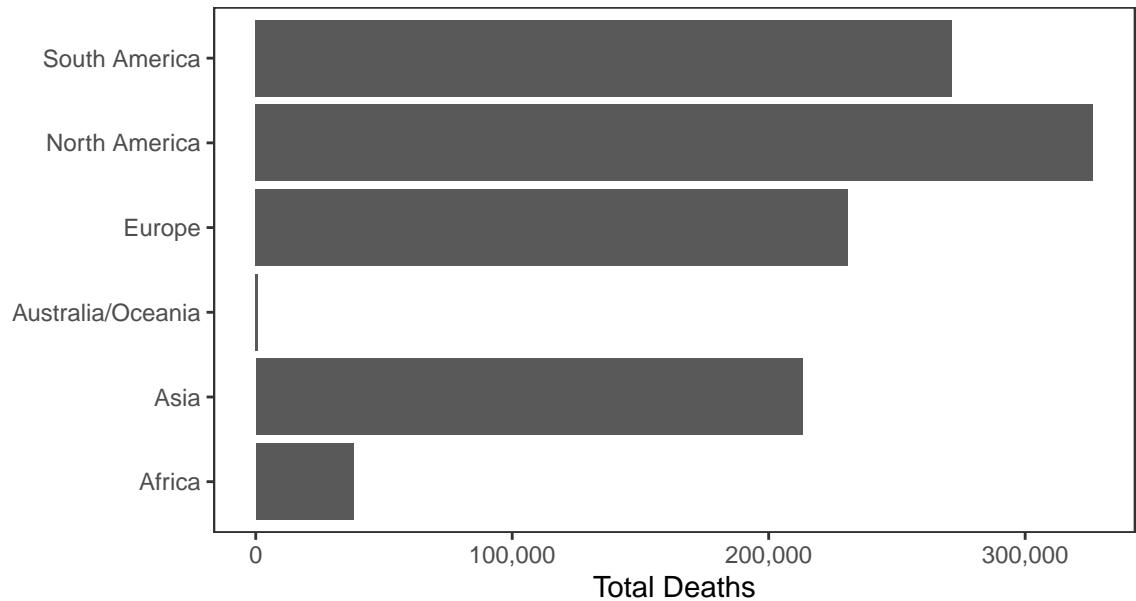
Erik's Covid-19 Chart Pack

Data updated 2020-10-12 05:38:39. 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 37,736,784 confirmed Covid-19 cases and 1,081,252 deaths worldwide.

Deaths



Cases

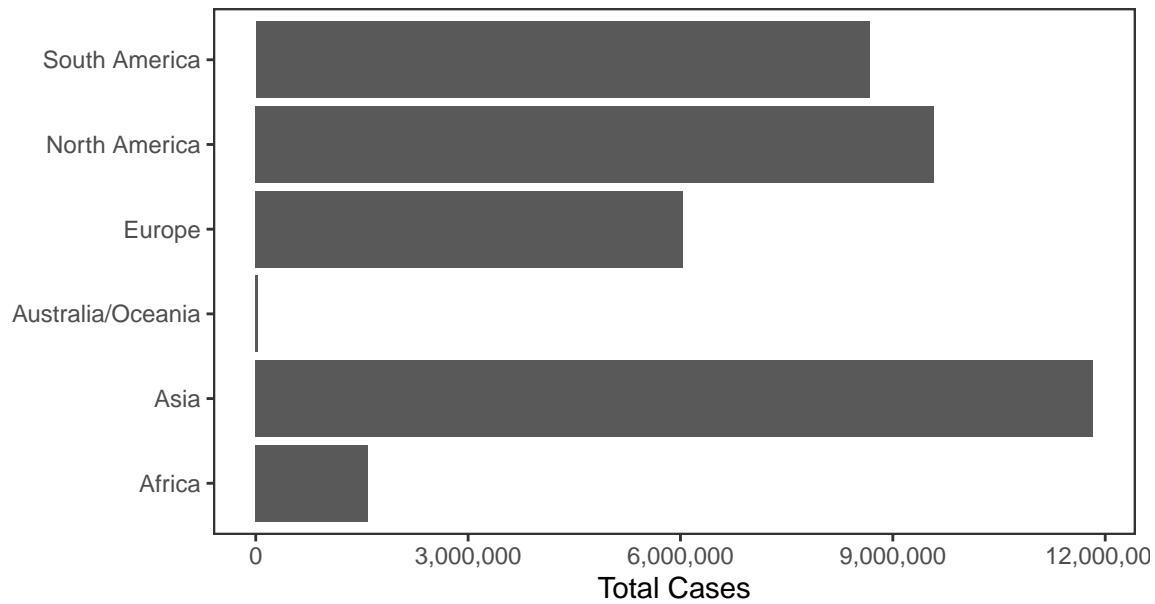
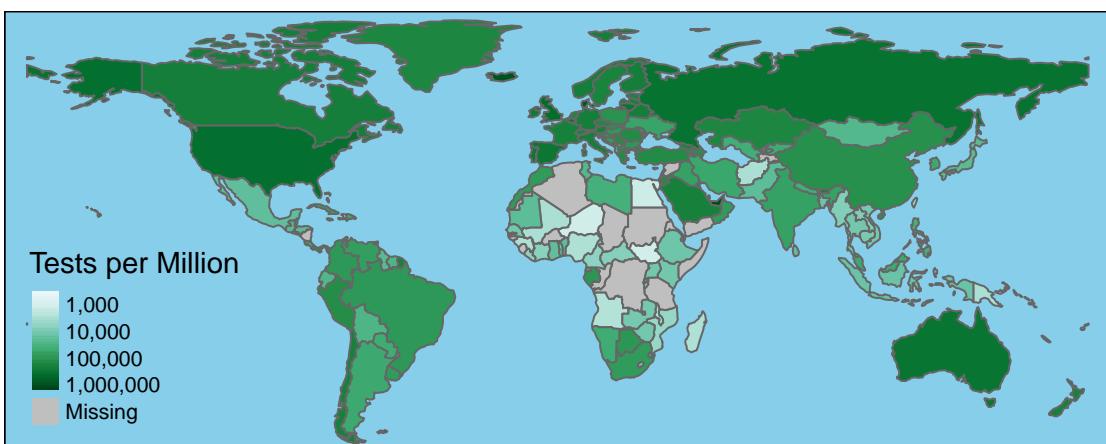
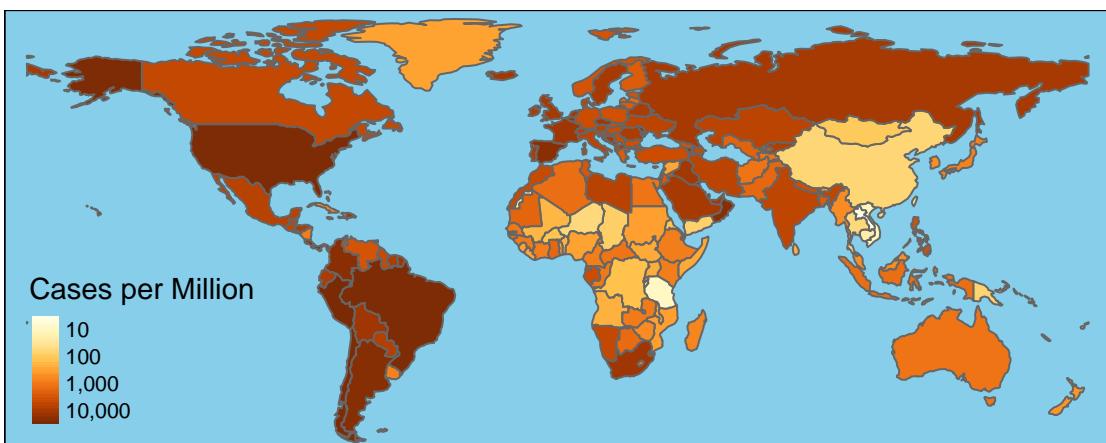
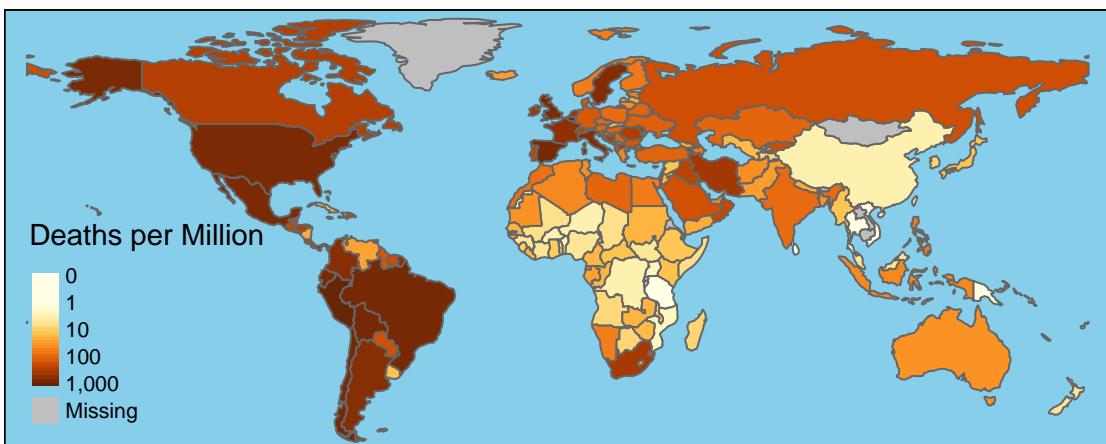


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,991,998	219,695	41,935	325
India	7,119,300	109,184	67,757	813
Brazil	5,094,979	150,506	3,139	270
Russia	1,298,718	22,597	13,634	143
Colombia	911,316	27,834	8,569	174
Argentina	894,206	23,868	10,324	287
Spain	890,367	32,929	0	0
Peru	849,371	33,305	3,283	82
Mexico	814,328	83,642	4,577	135
France	734,974	32,683	16,101	46
South Africa	692,471	17,780	1,575	107
UK	603,716	42,825	12,872	65
Iran	500,075	28,544	3,822	251
Chile	481,371	13,318	1,776	46
Iraq	402,330	9,852	2,206	62
Bangladesh	378,266	5,524	1,193	24
Italy	354,950	36,166	5,456	26
Saudi Arabia	339,267	5,043	323	25
Philippines	339,252	6,321	2,413	83
Turkey	335,533	8,837	1,502	59



National Data

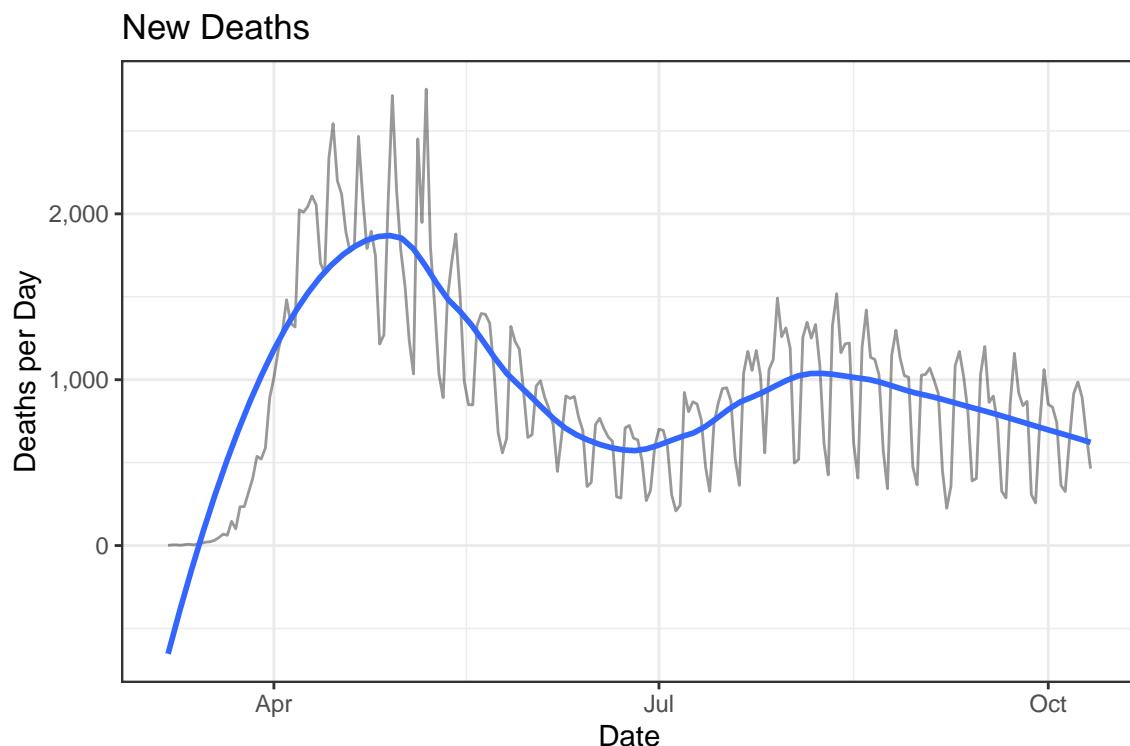
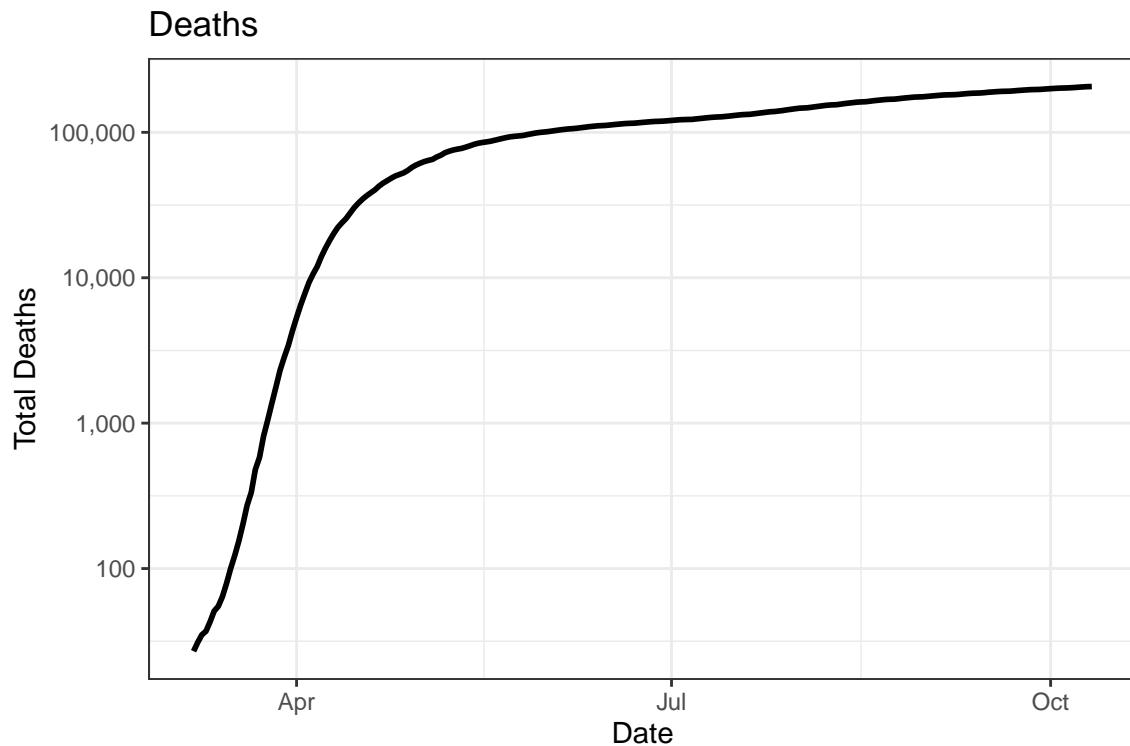
There have been 7,727,630 confirmed Covid-19 cases and 206,597 deaths in the United States.

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

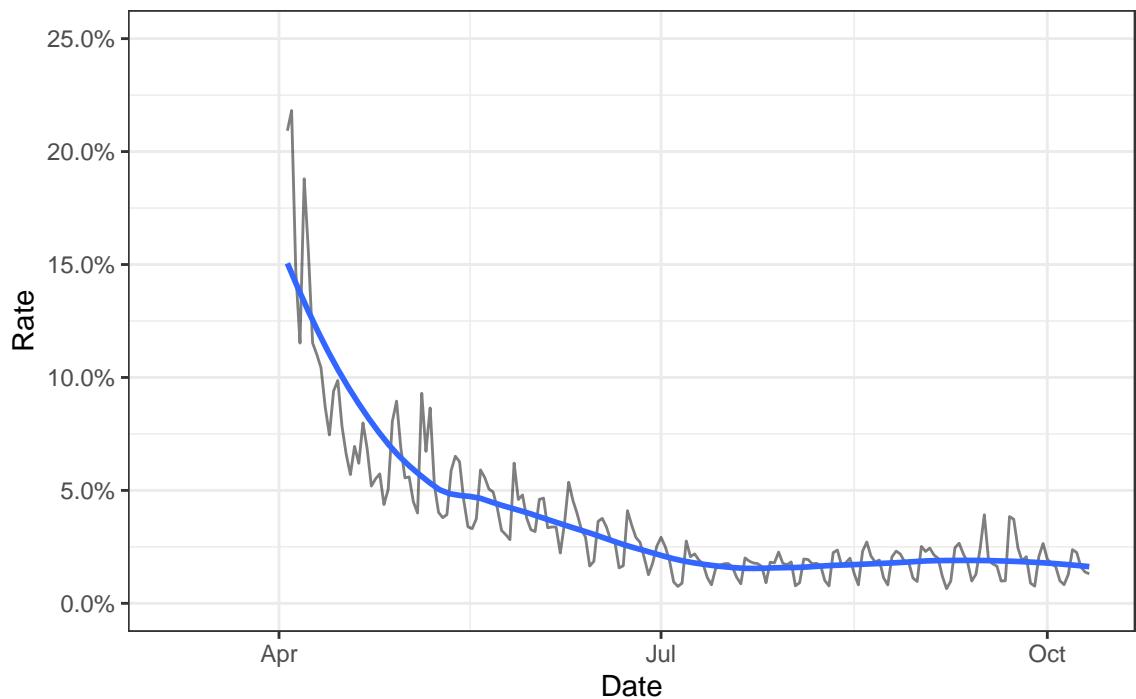
Date	Cases	Deaths	New Cases	New Deaths
2020-10-11	7,727,630	206,597	46,776	464
2020-10-10	7,680,854	206,133	57,206	663
2020-10-09	7,623,648	205,470	57,060	893
2020-10-08	7,566,588	204,577	55,352	986
2020-10-07	7,511,236	203,591	50,602	916
2020-10-06	7,460,634	202,675	38,661	634
2020-10-05	7,421,973	202,041	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

Deaths

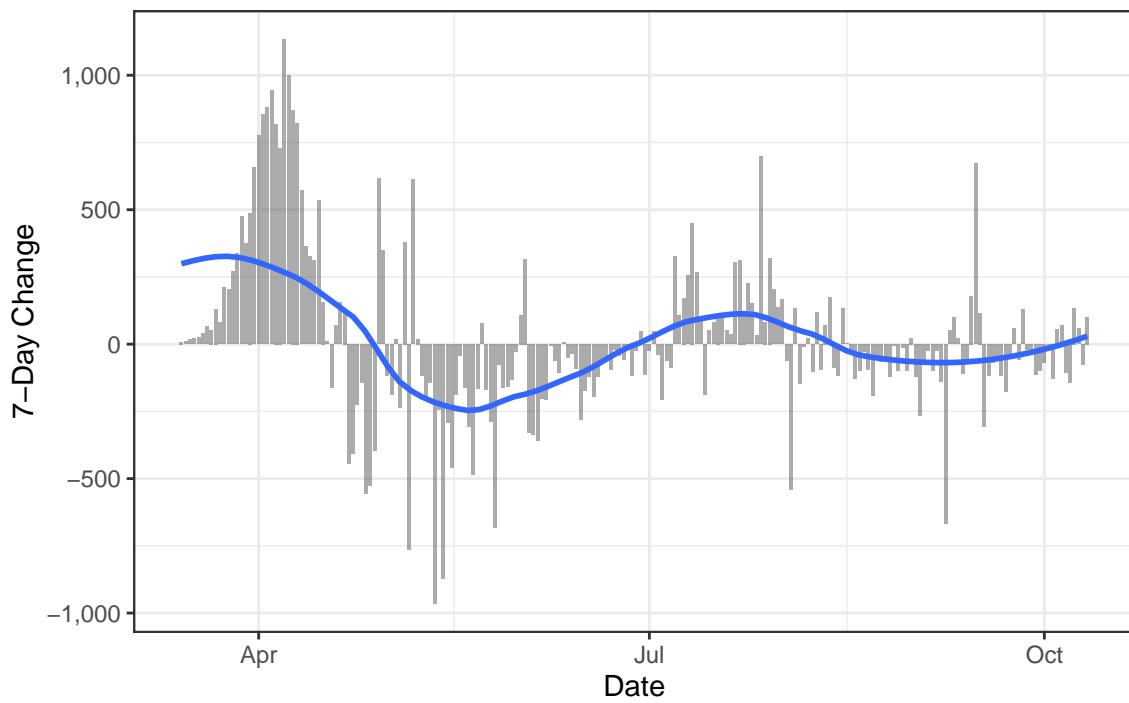
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

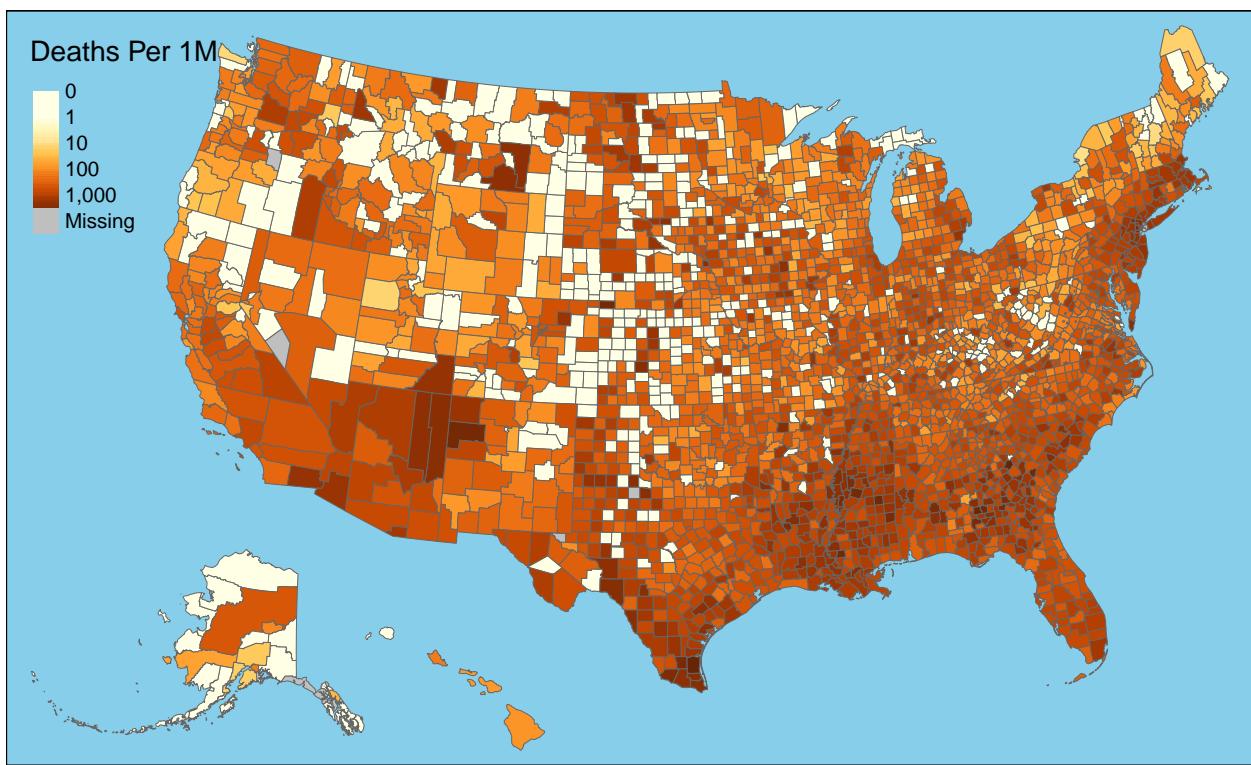


Daily Case Mortality Rate



One-Week Change in Daily Deaths

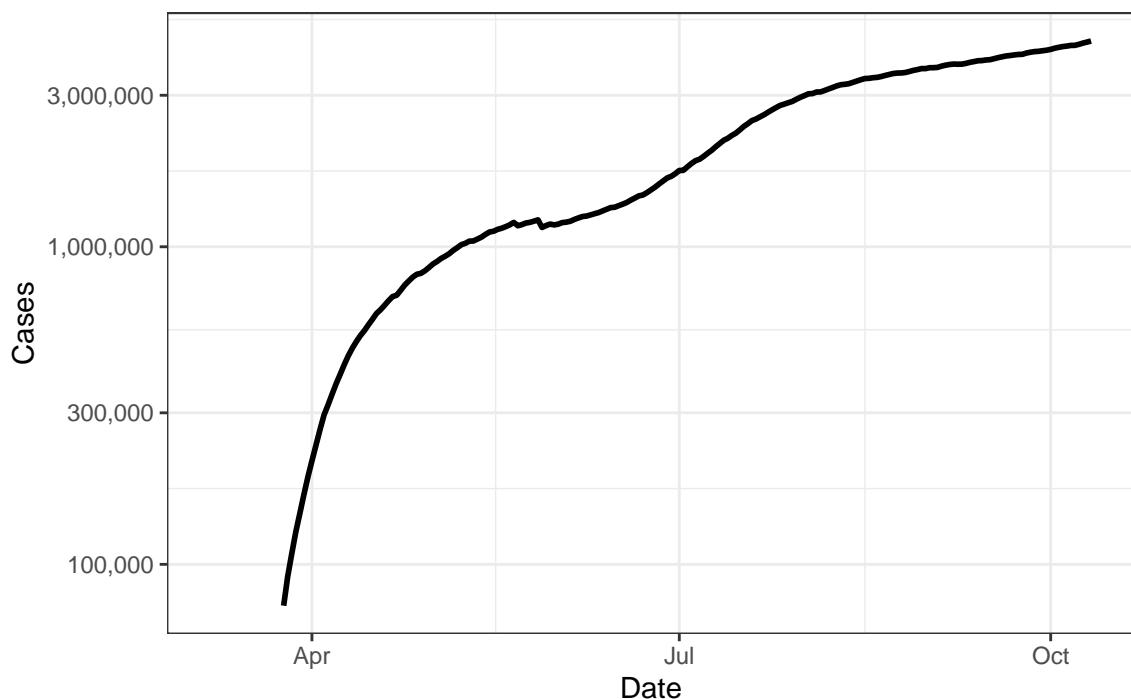




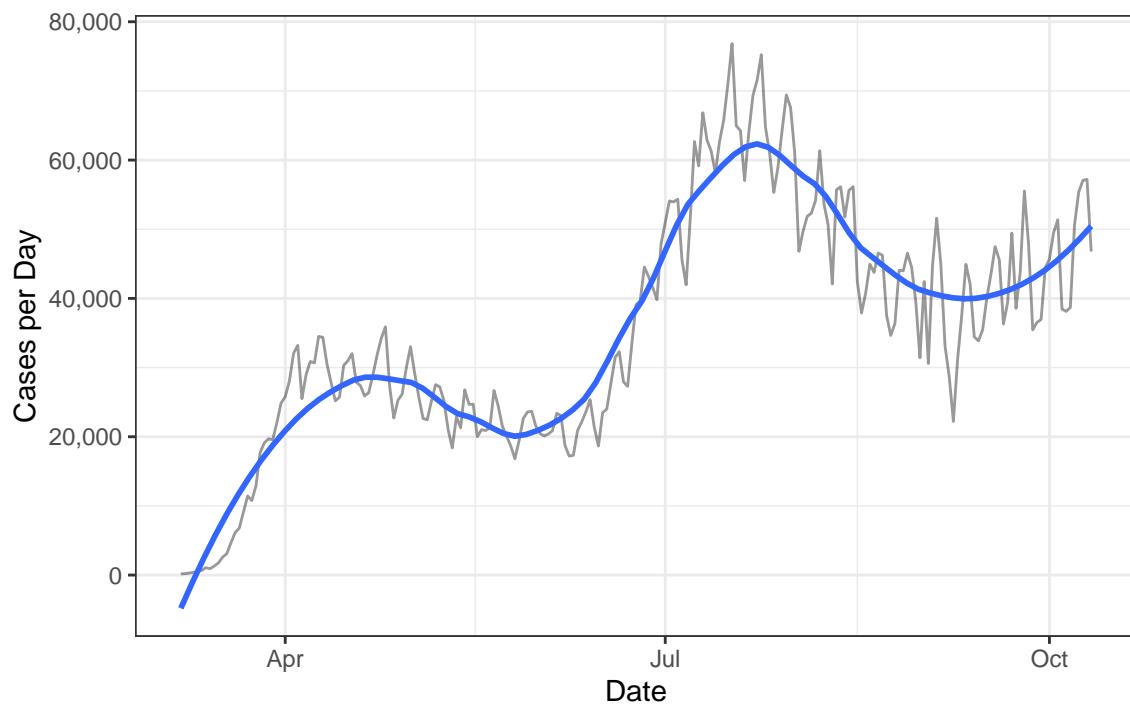
Cases

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

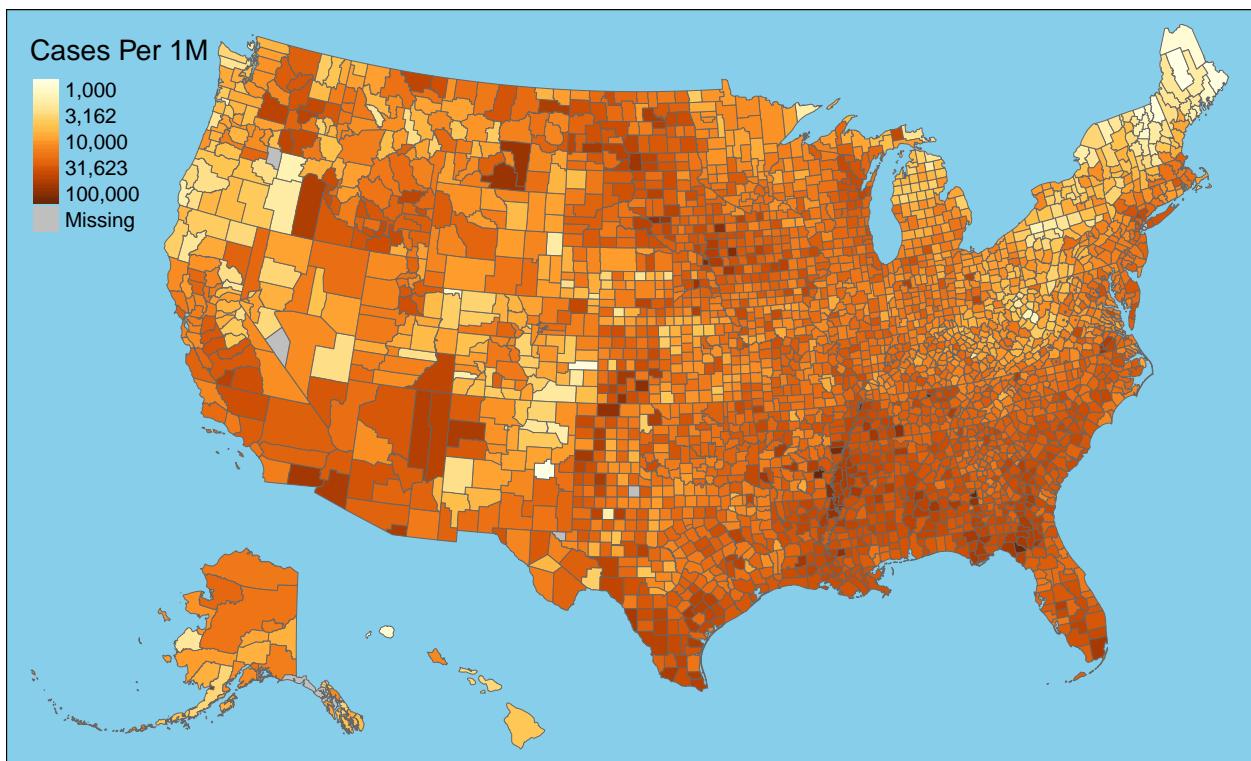
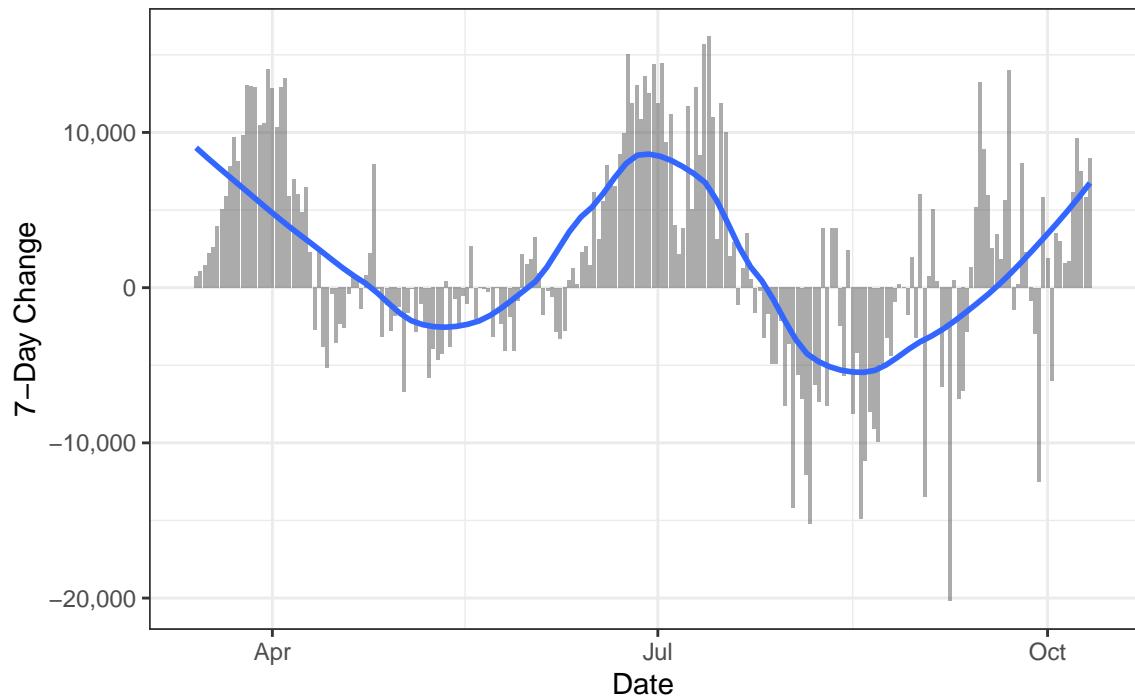
Active Cases



New Cases

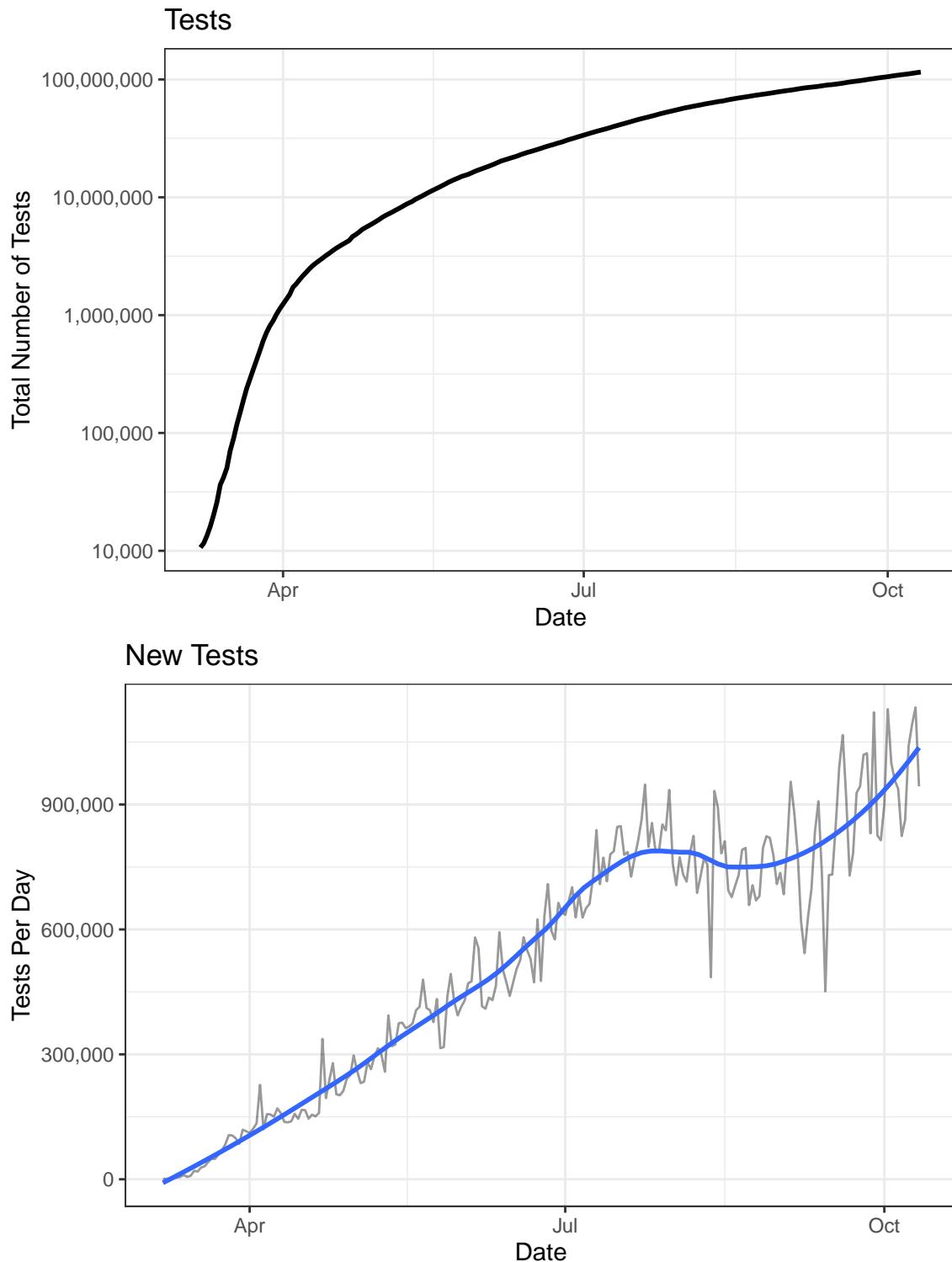


One-Week Change in Daily Cases

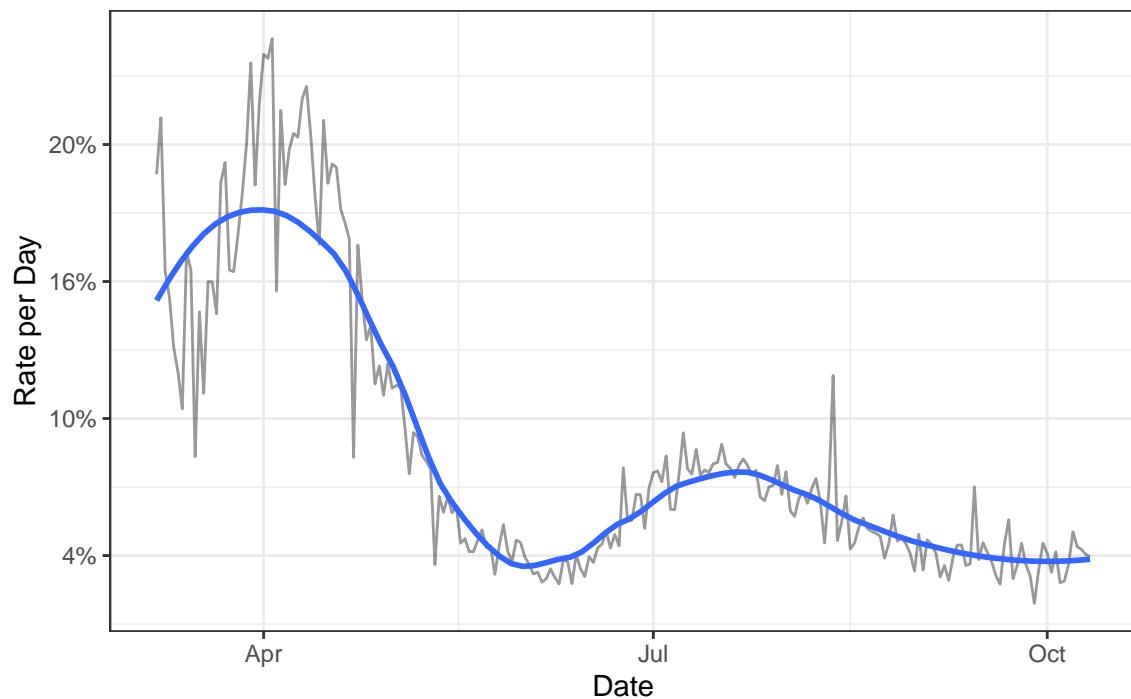


Testing

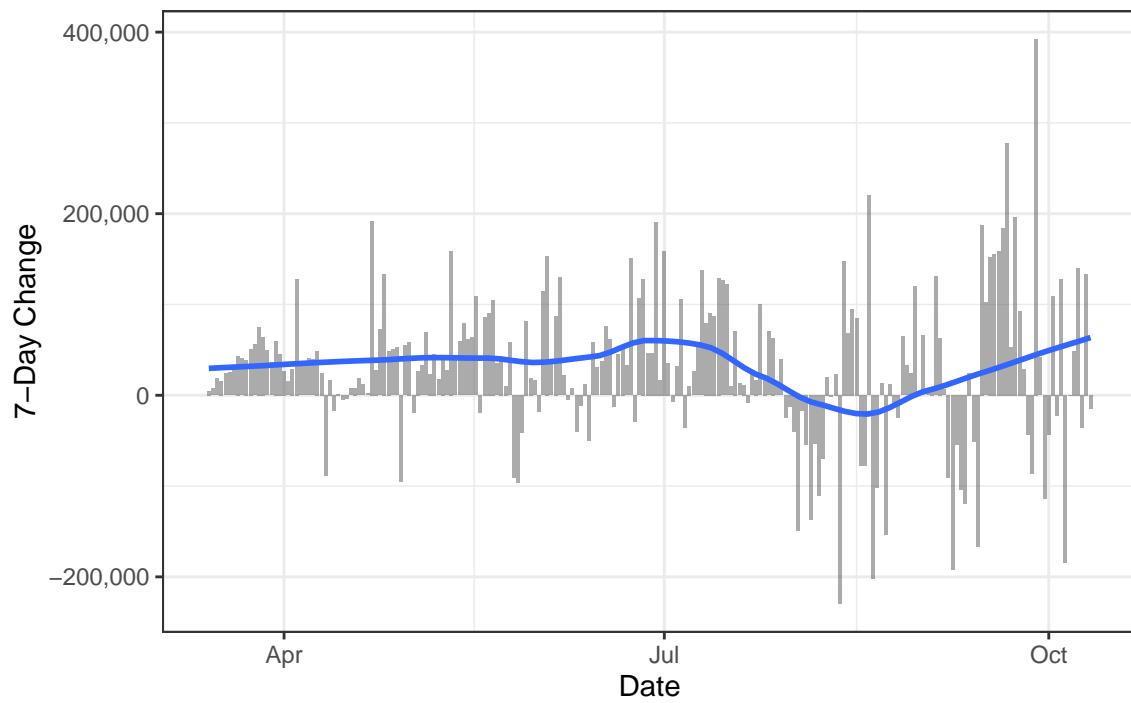
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

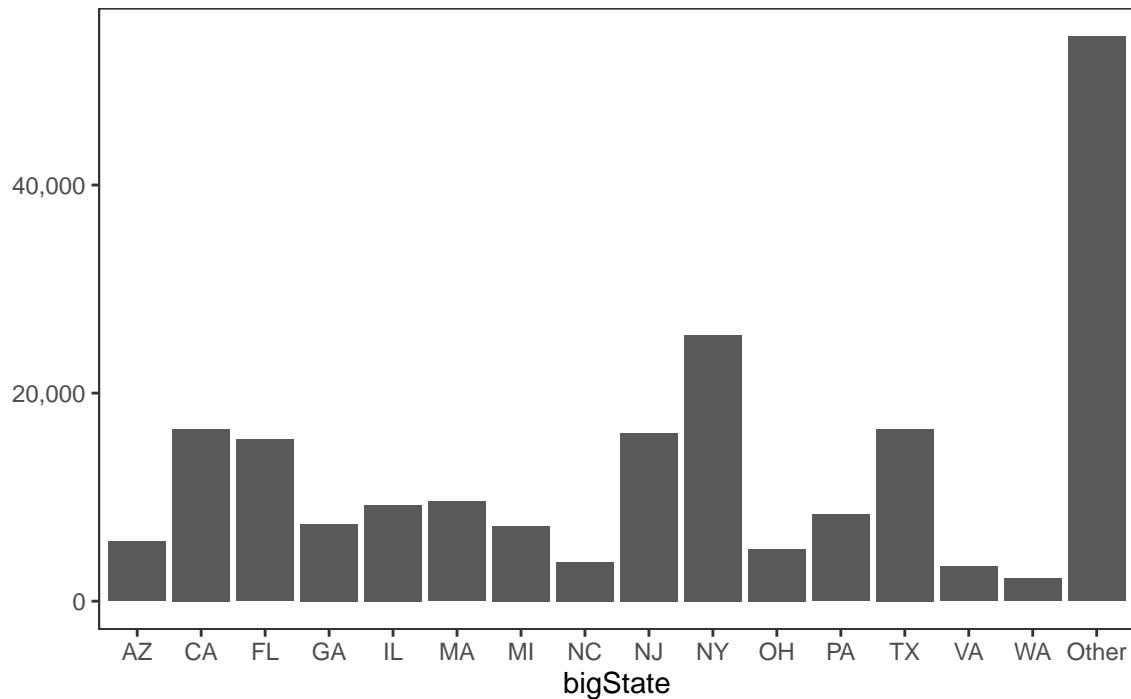


State Data

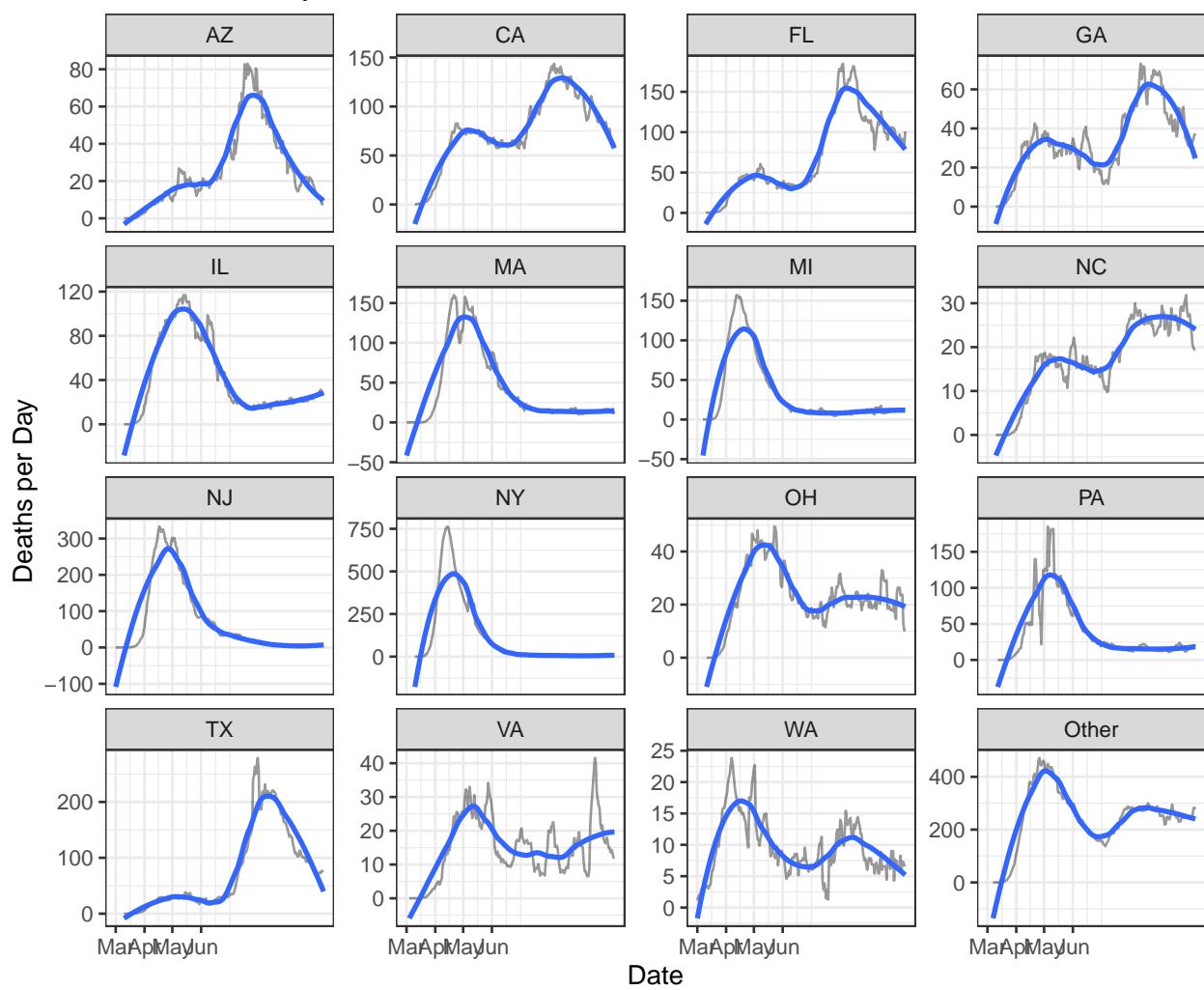
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

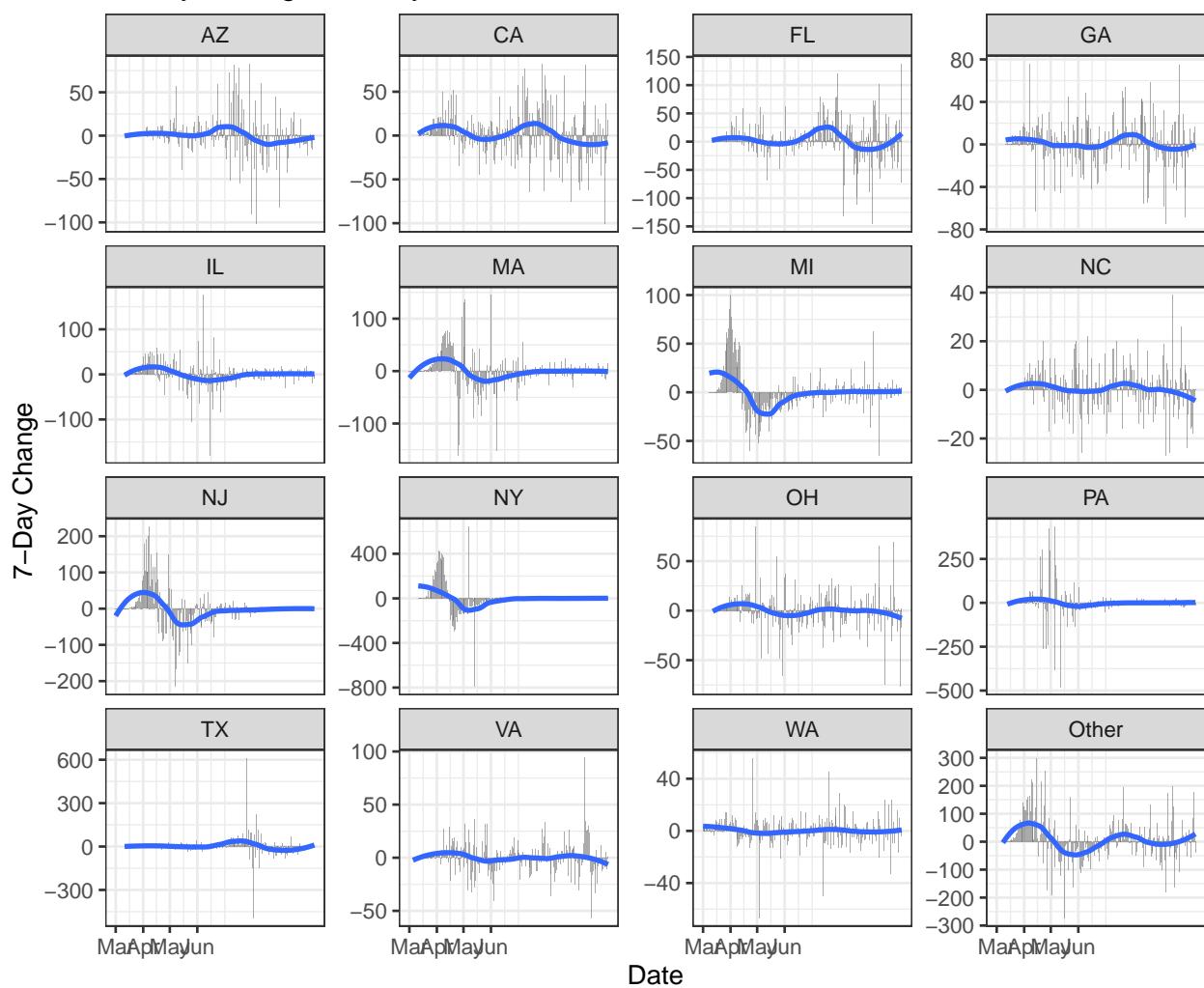
Deaths by State

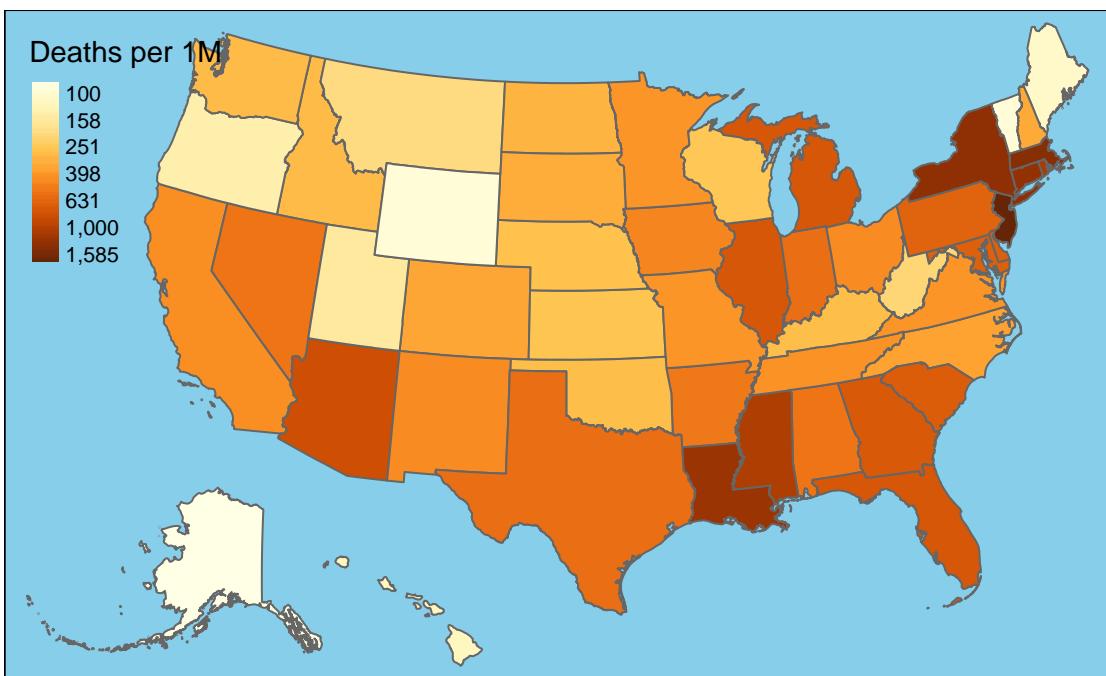
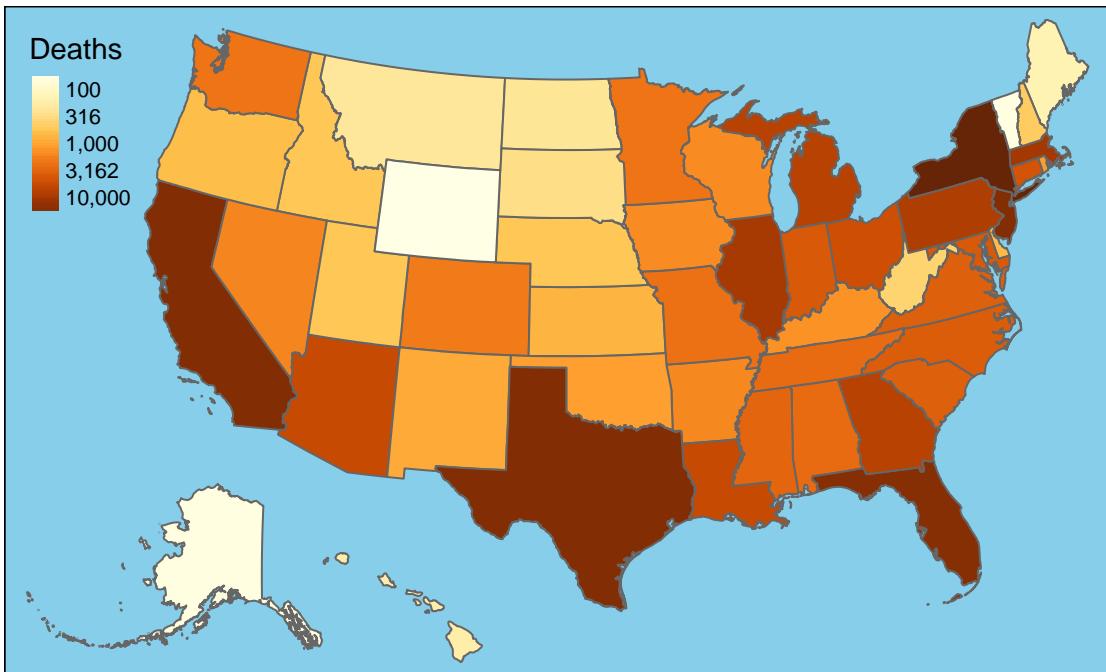


New Deaths by State



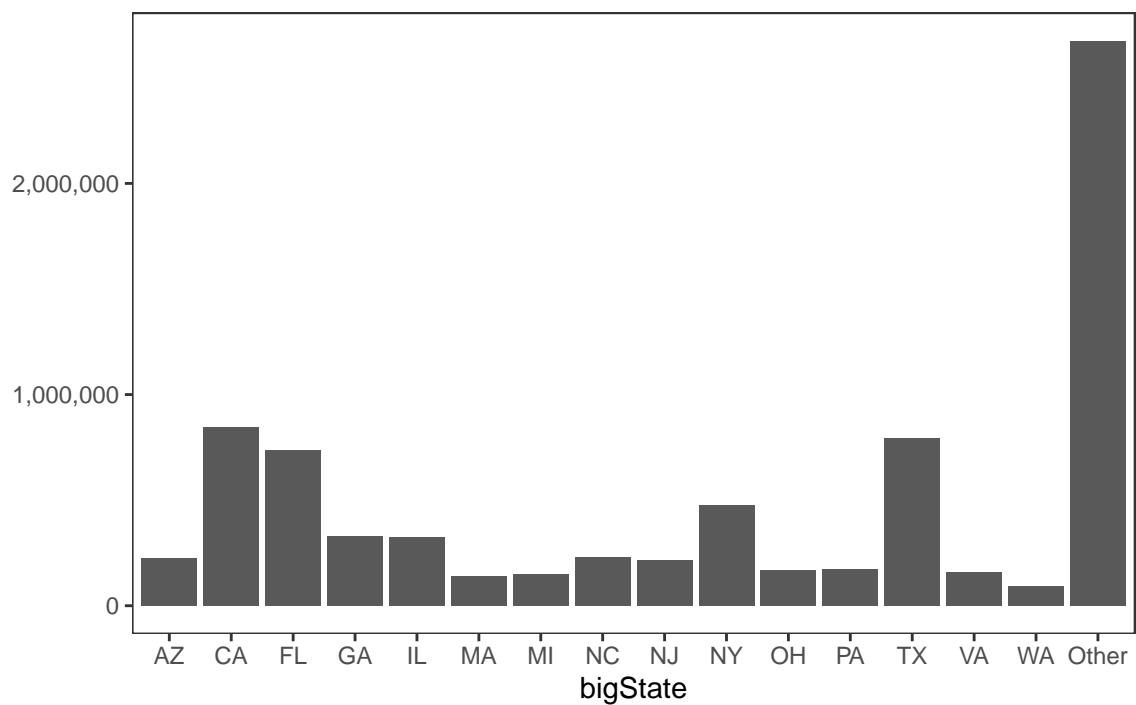
7-Day Change in Daily Deaths



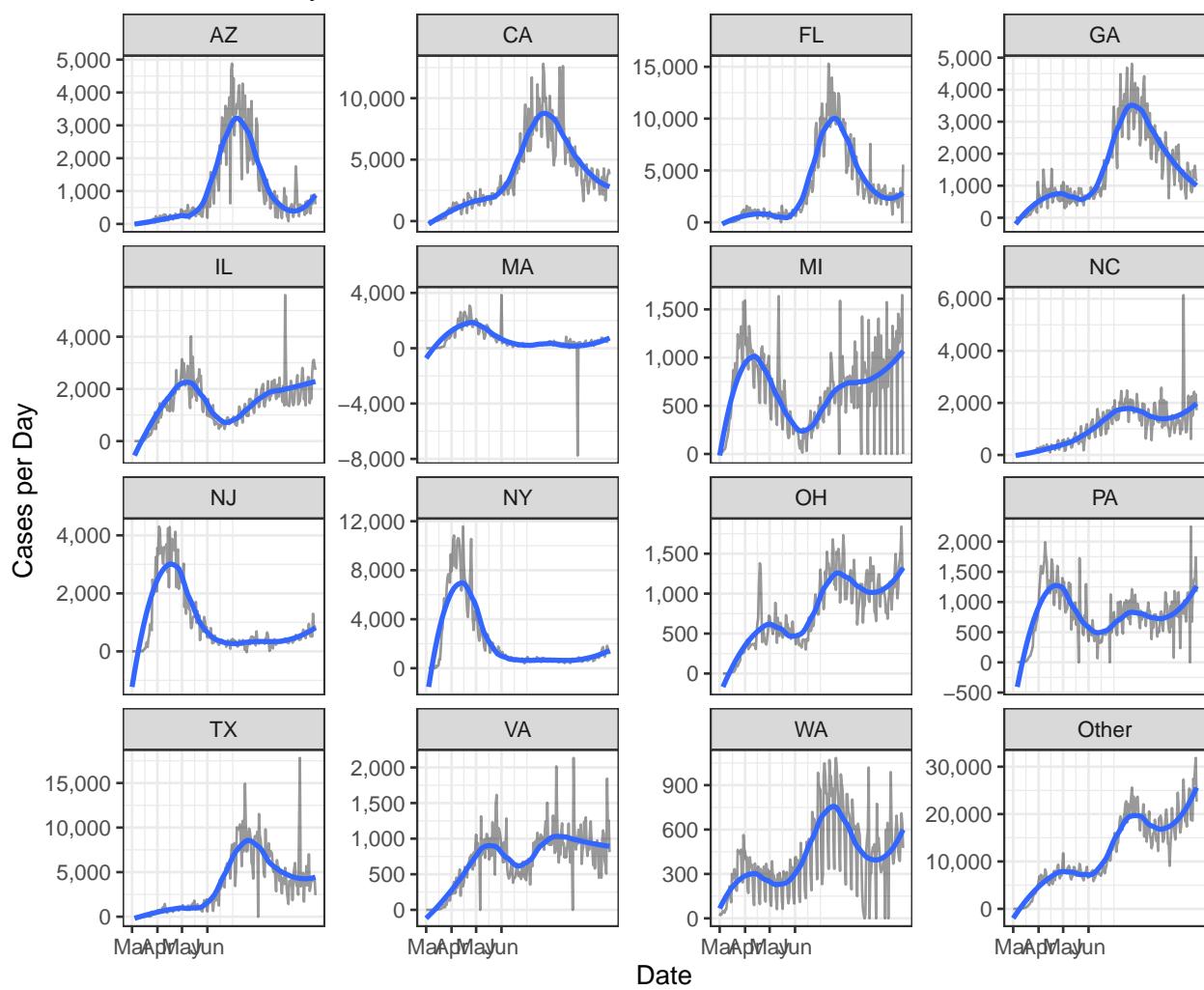


Cases

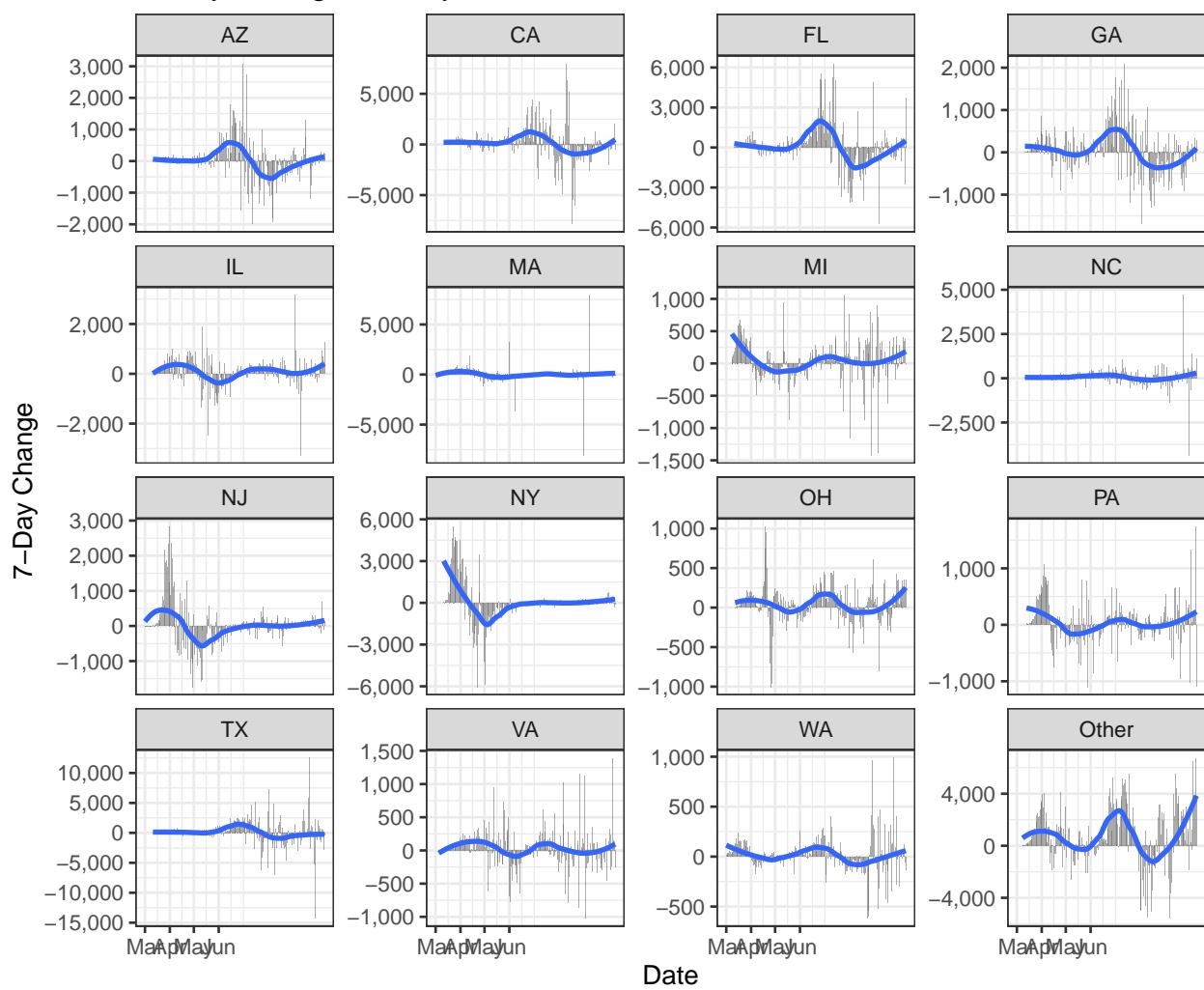
Cases by State

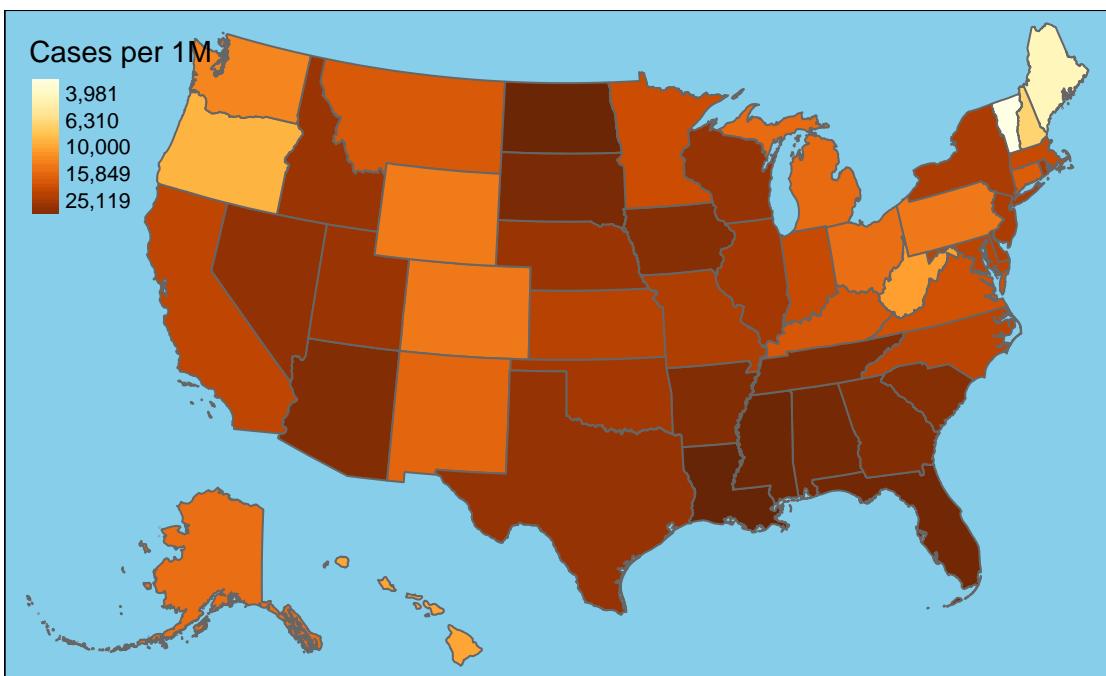
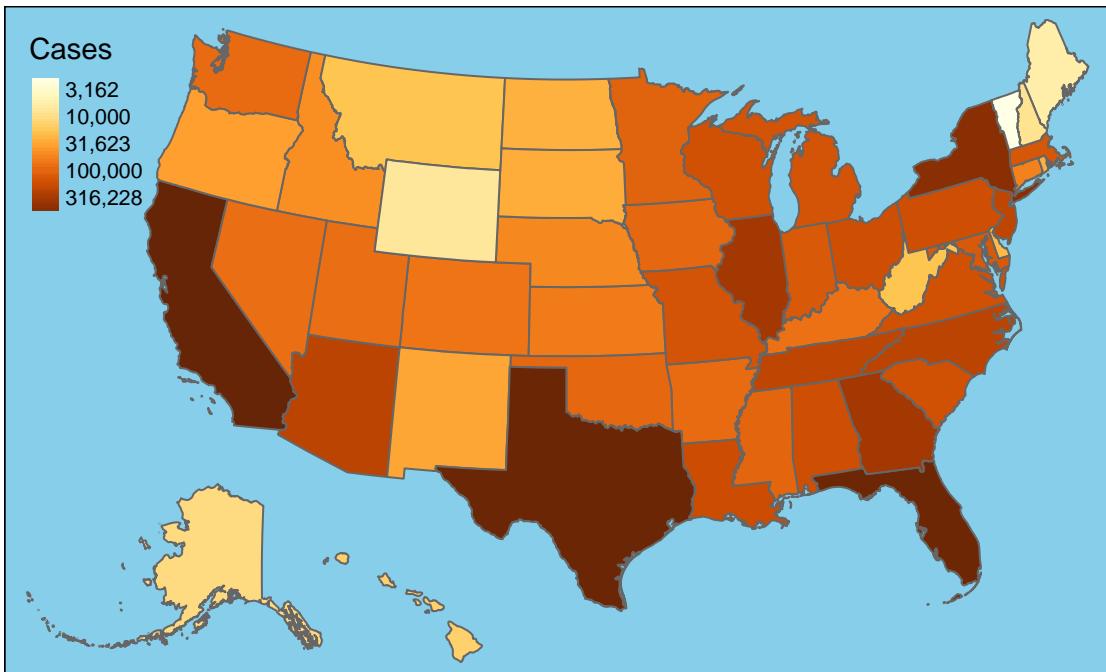


New Cases by State

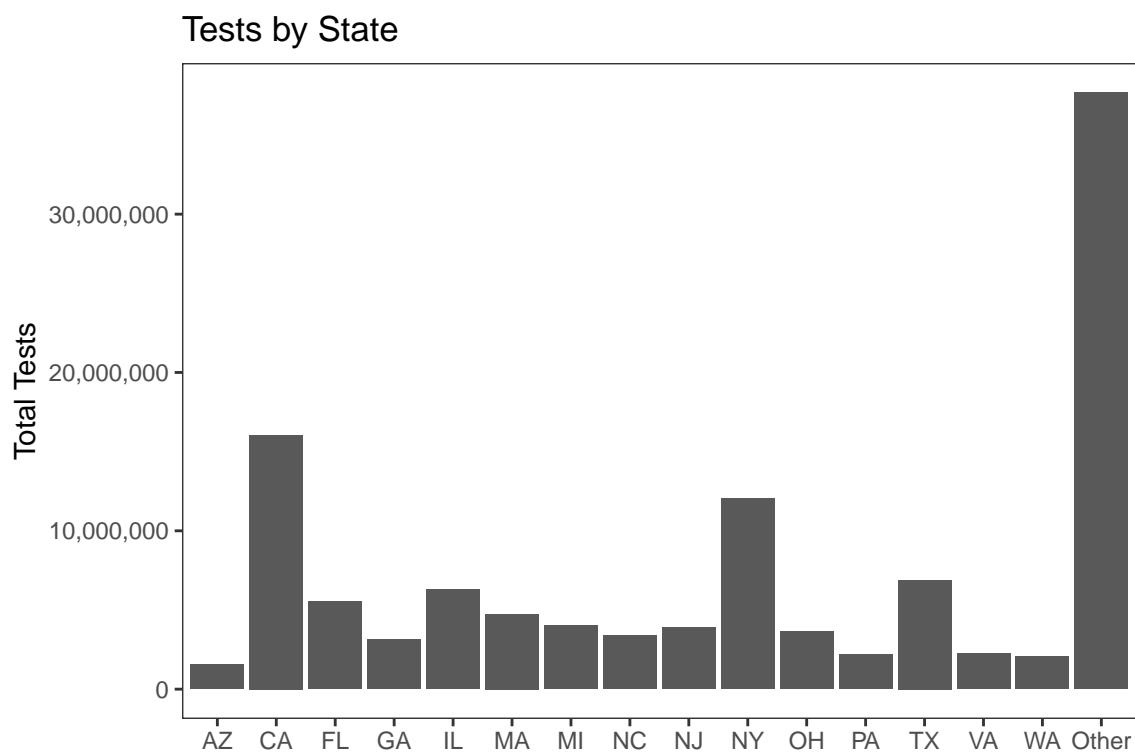


7-Day Change in Daily Cases

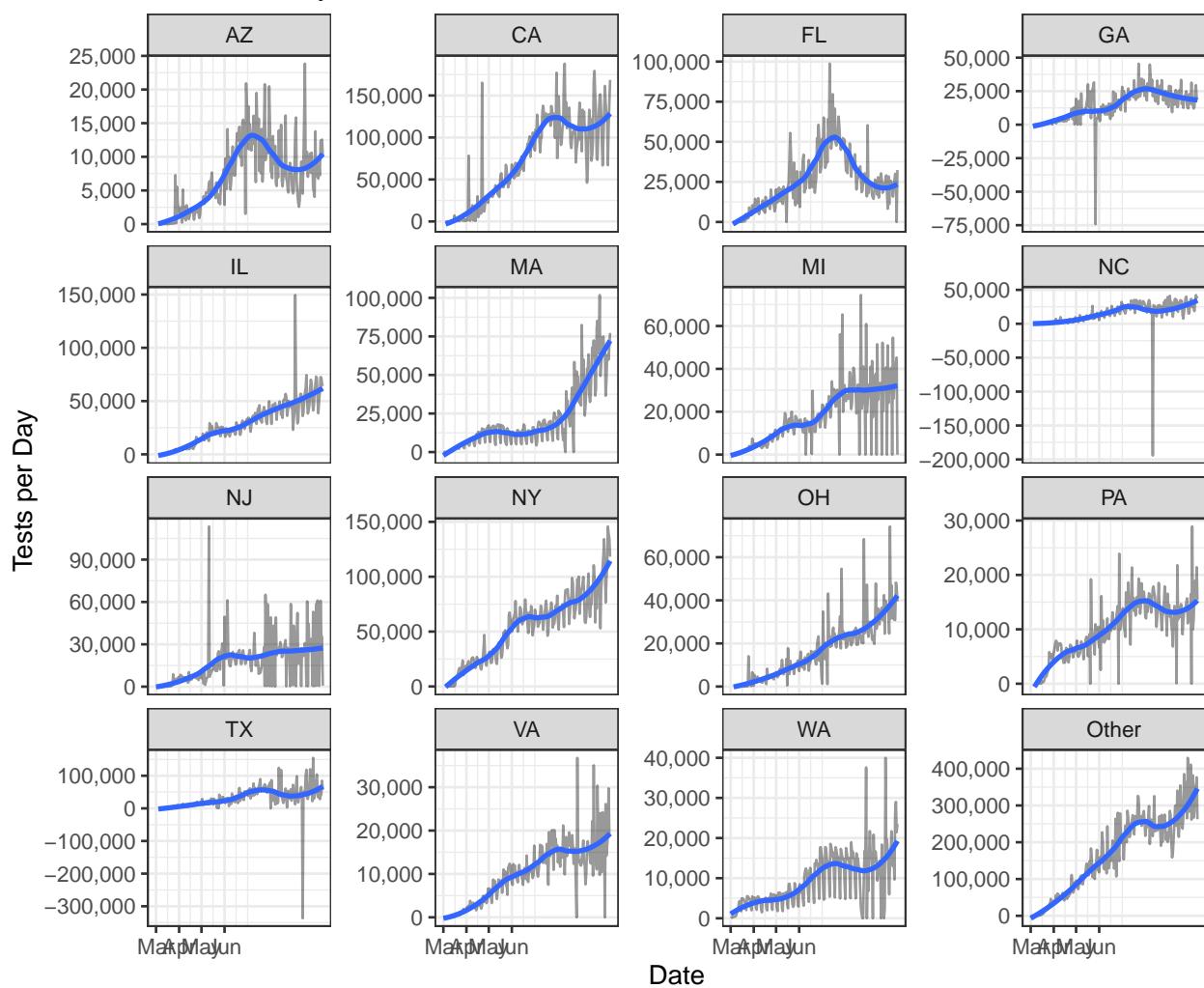


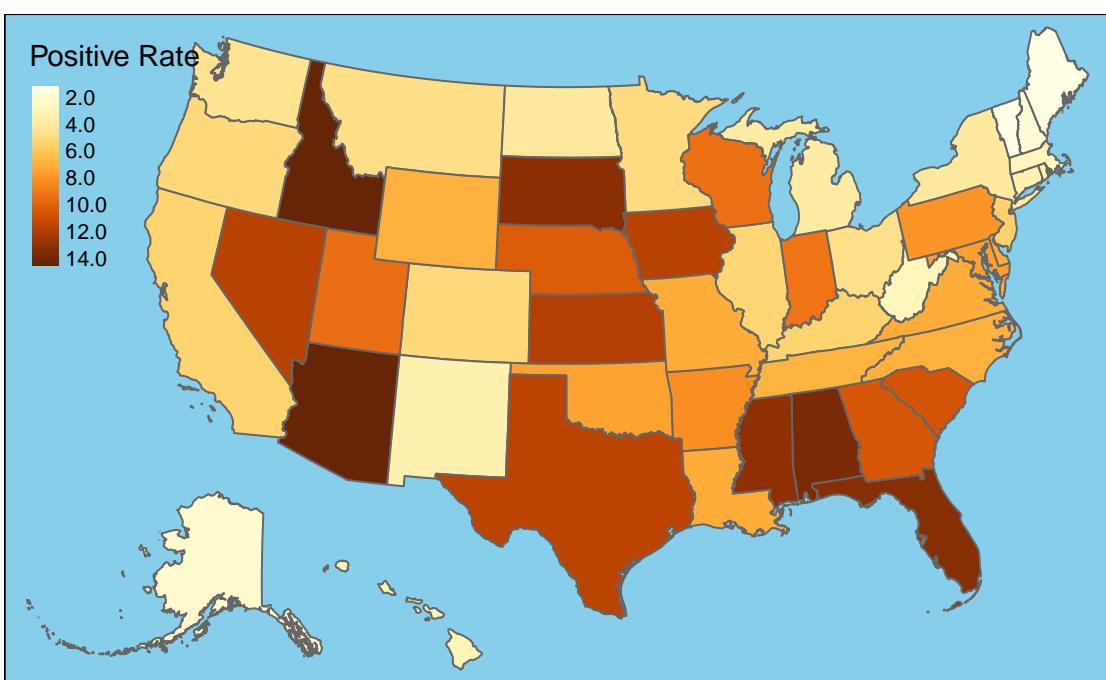
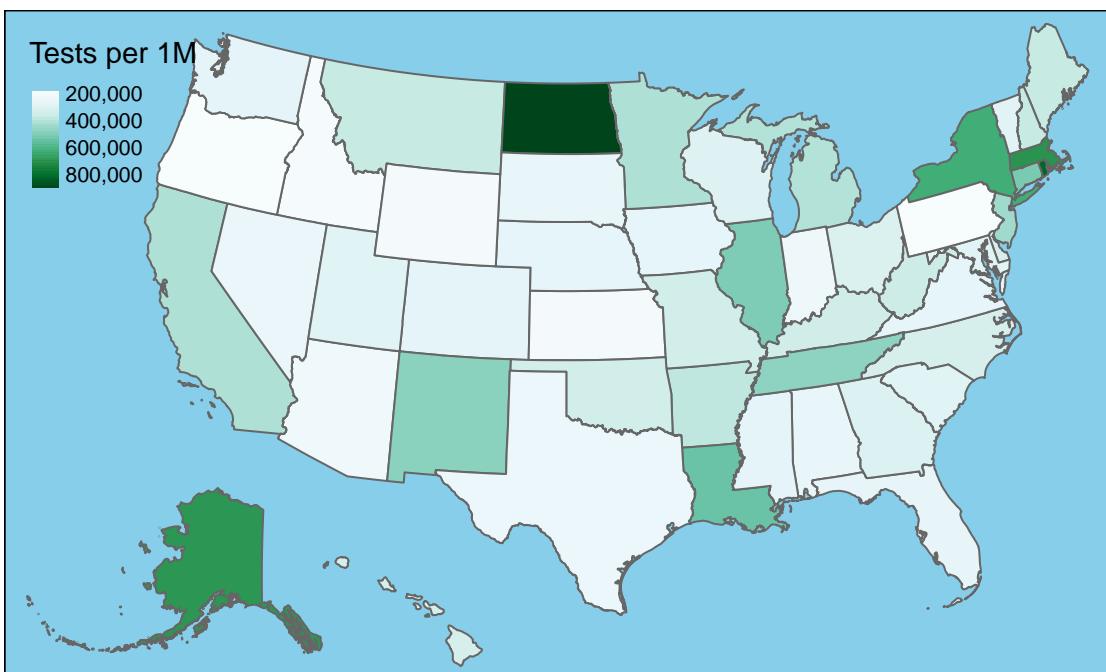


Testing



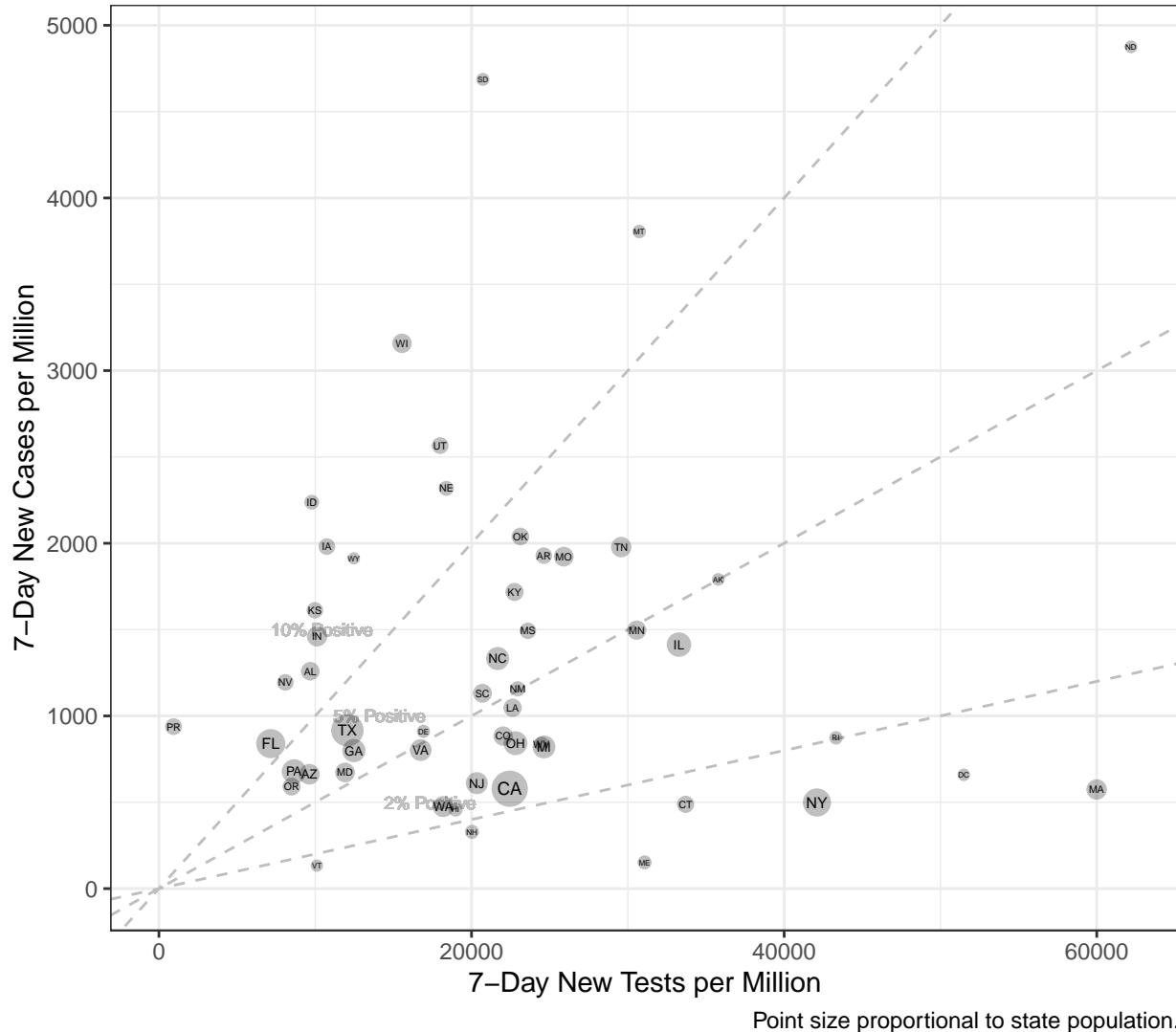
New Tests by State





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



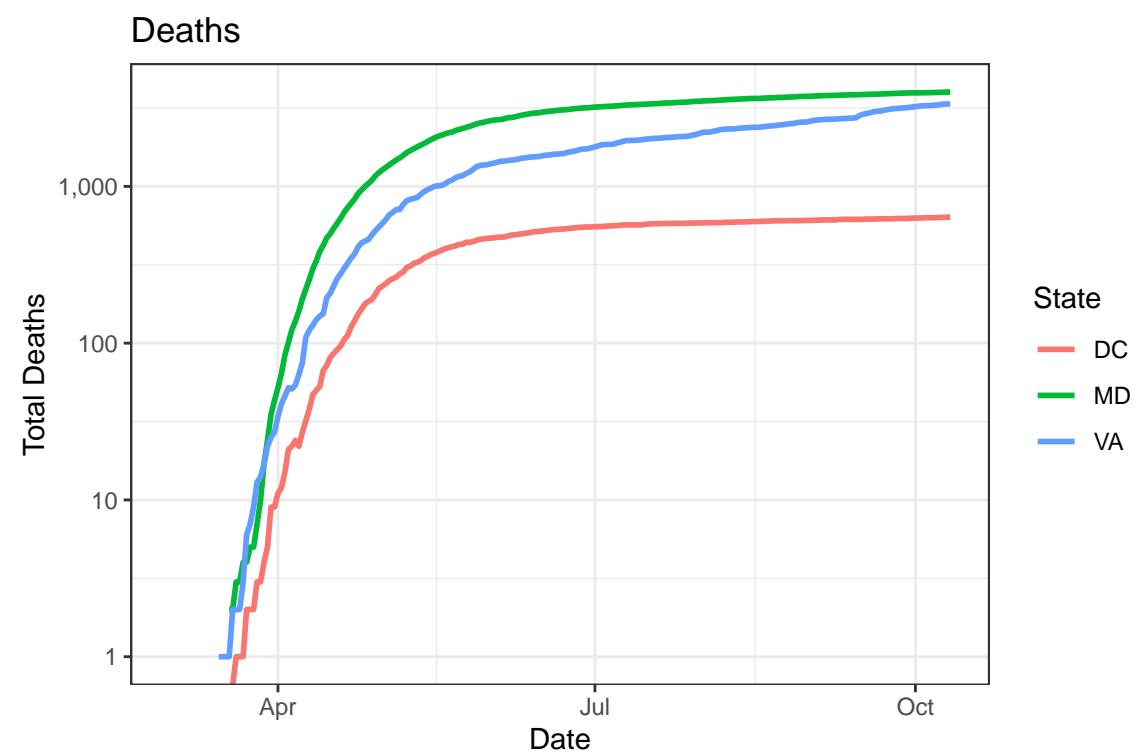
Local Data

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

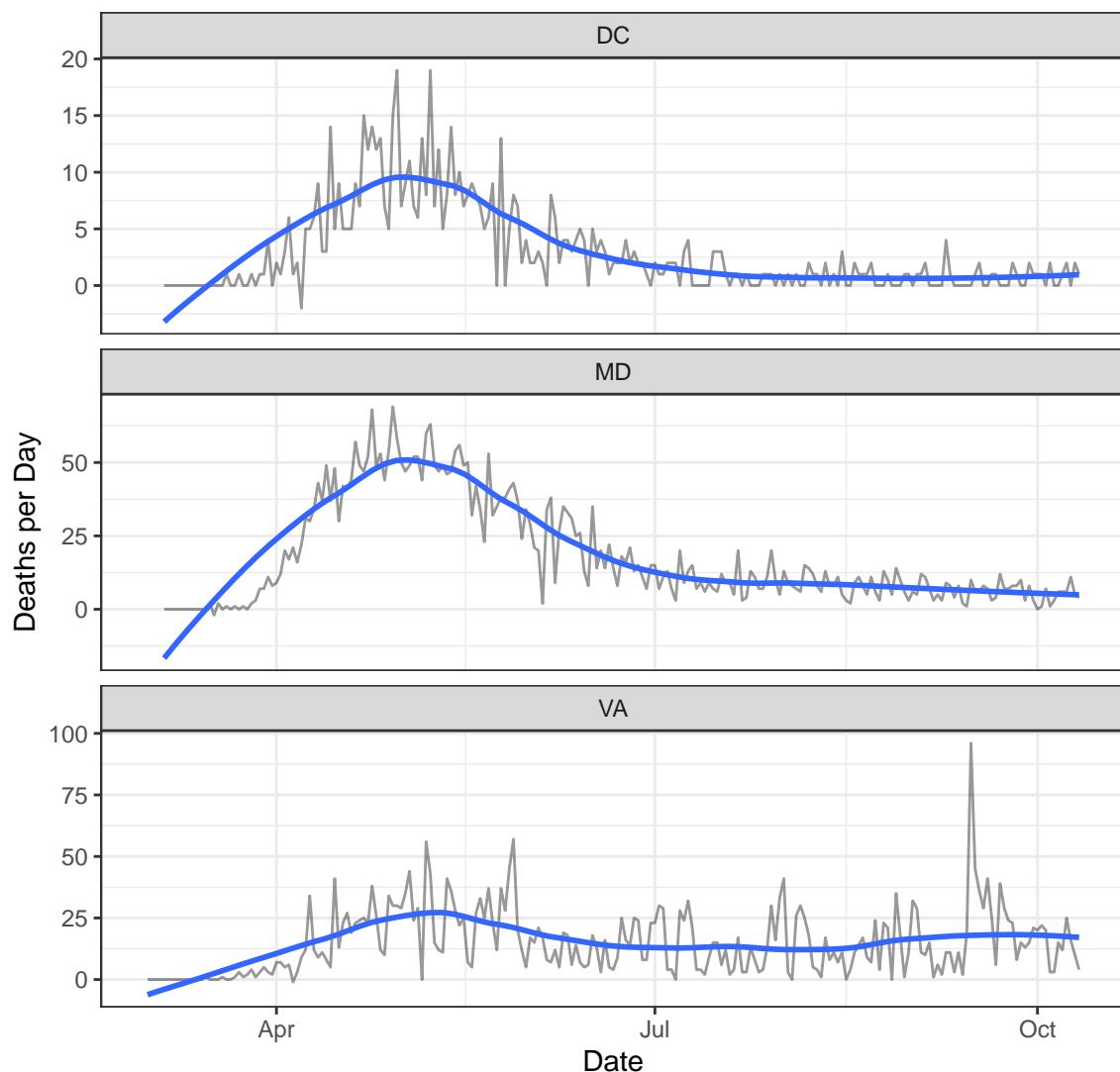
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,984	637	66	1
MD	131,357	3,999	562	4
VA	158,716	3,358	811	4

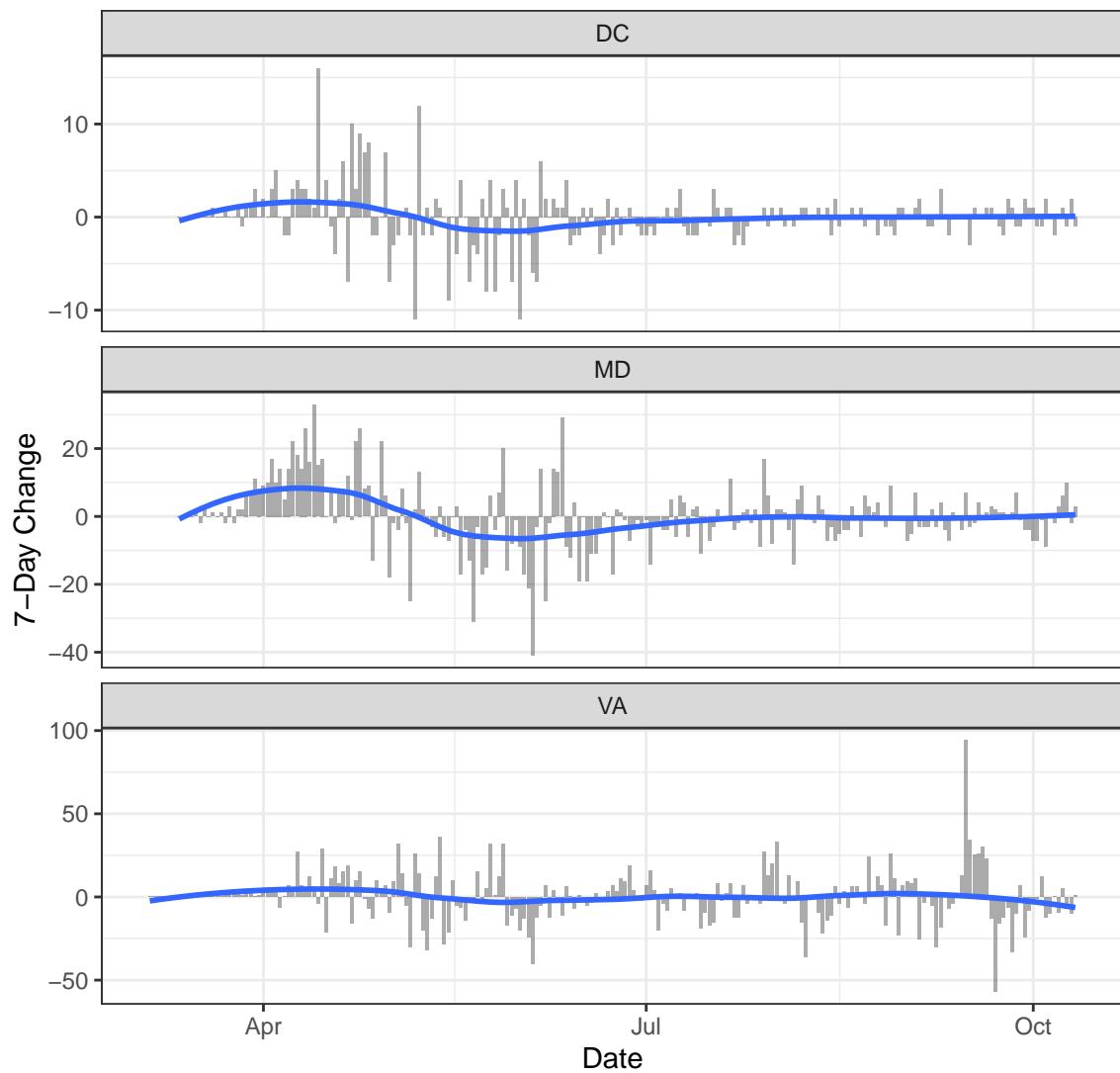
Deaths

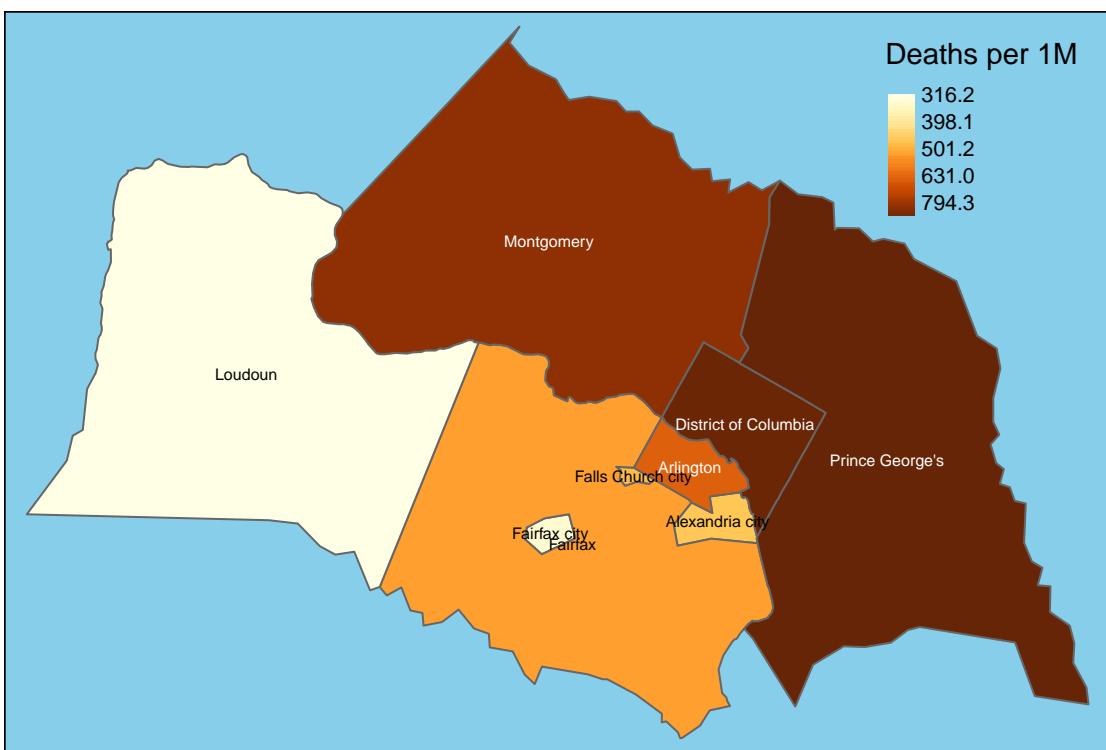
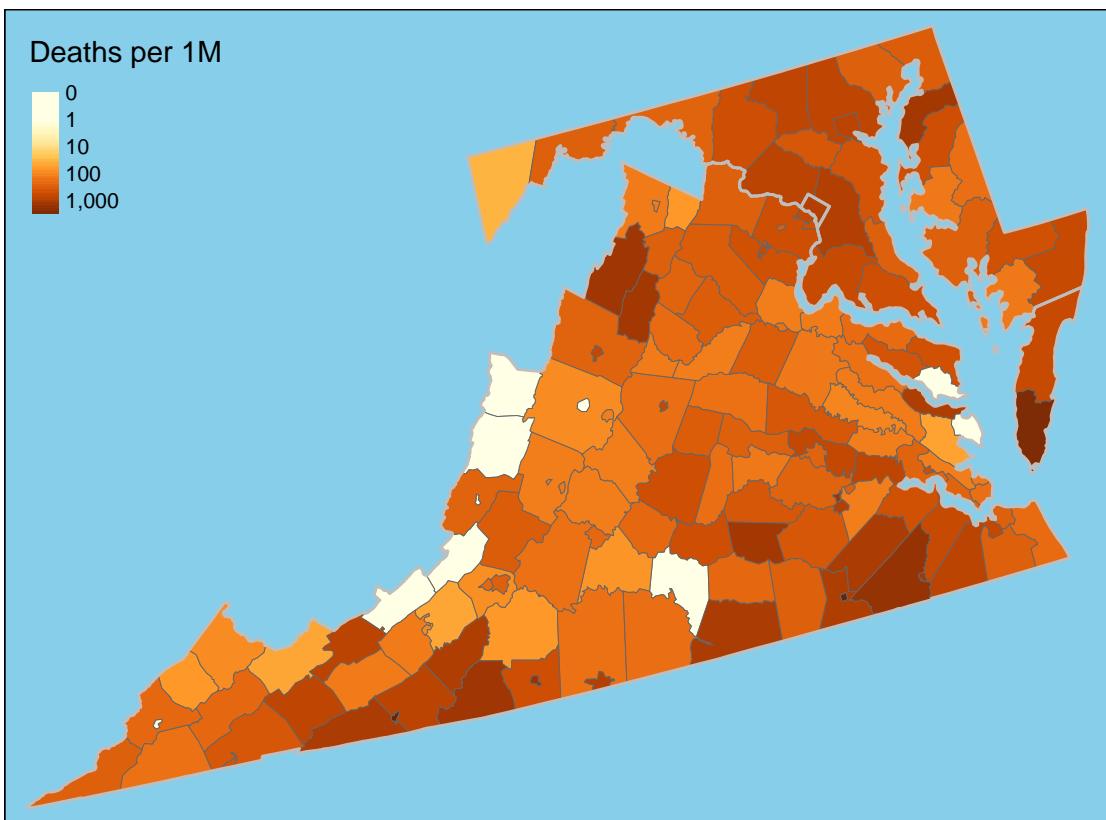


New Deaths

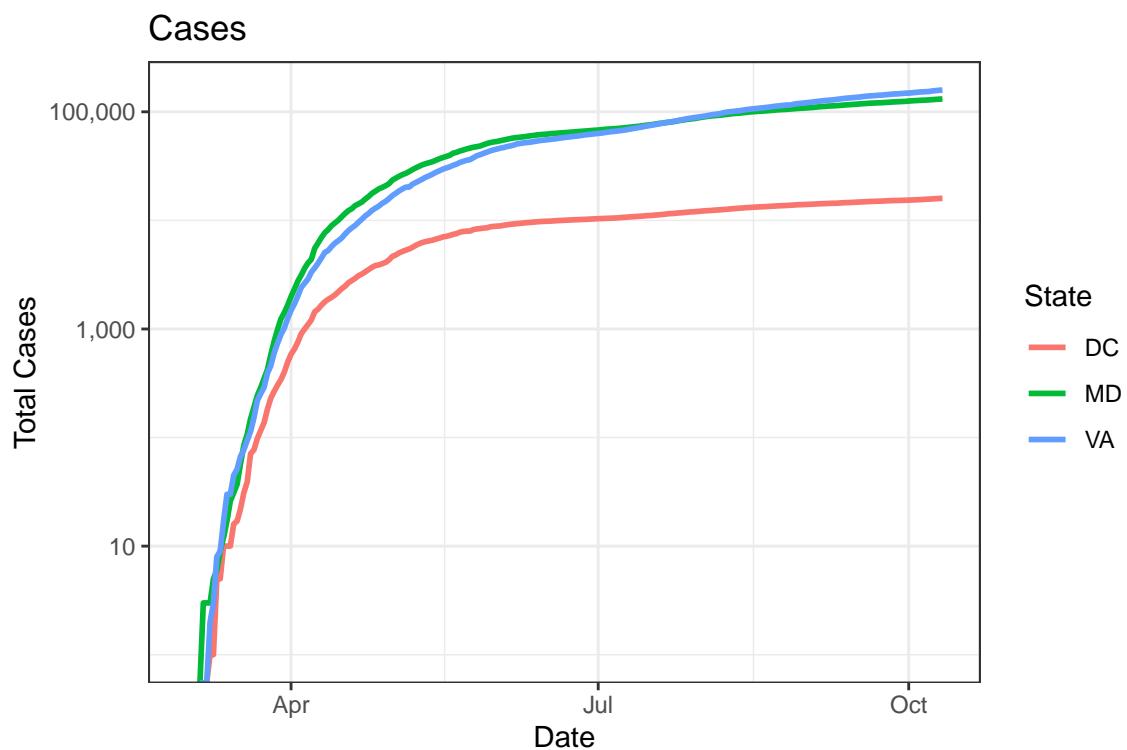


One-Week Change in Daily Deaths

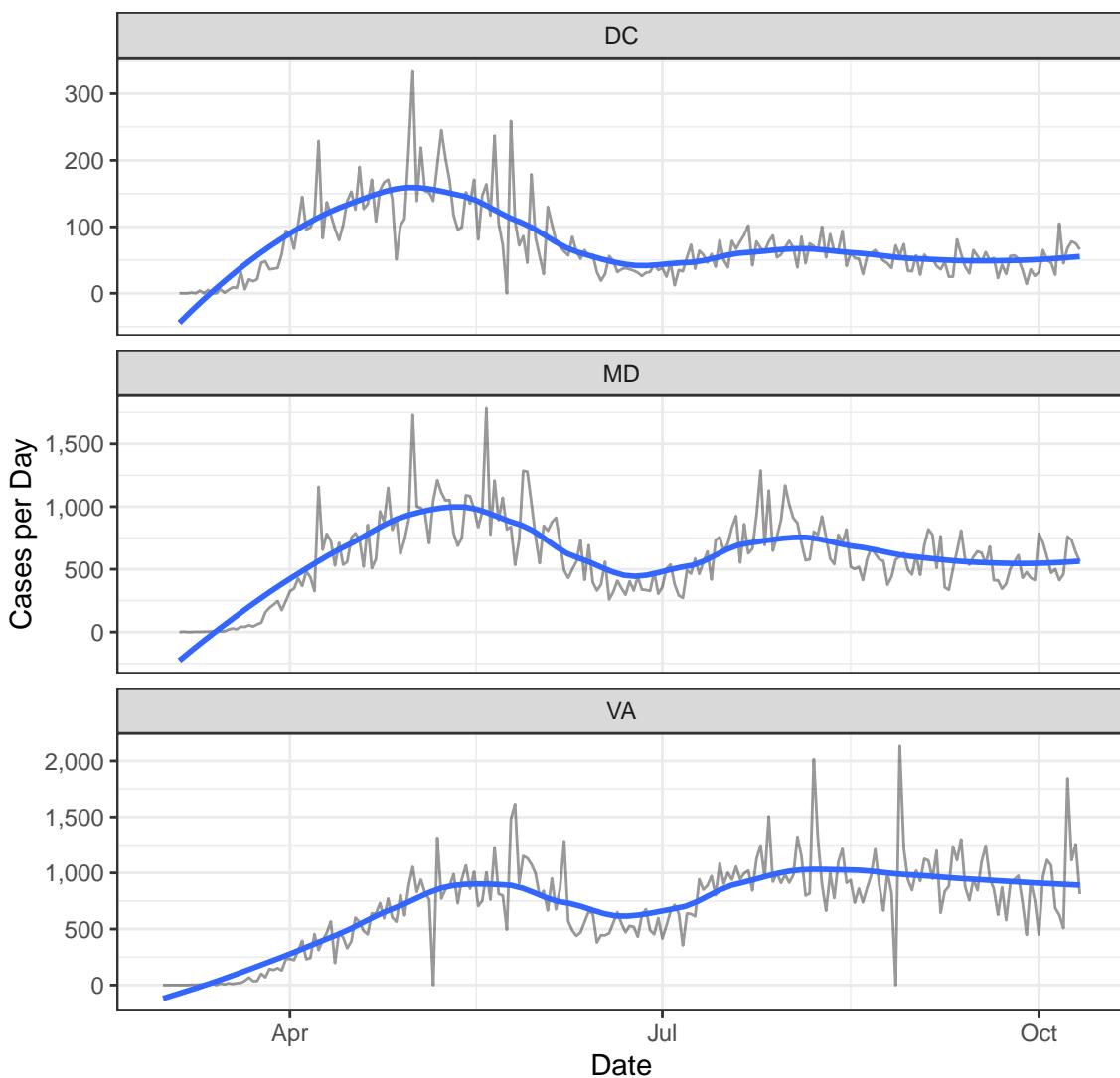




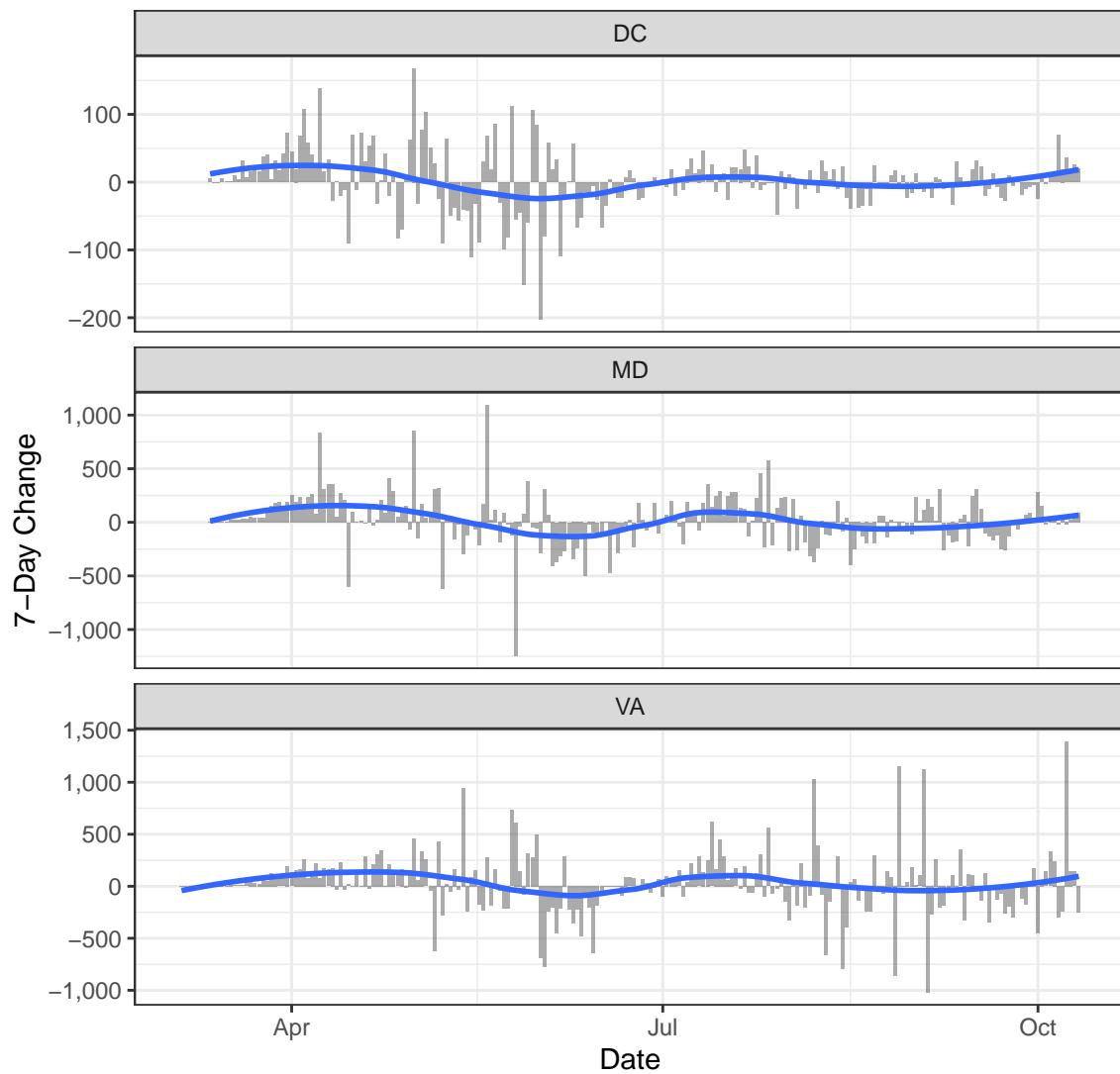
Cases

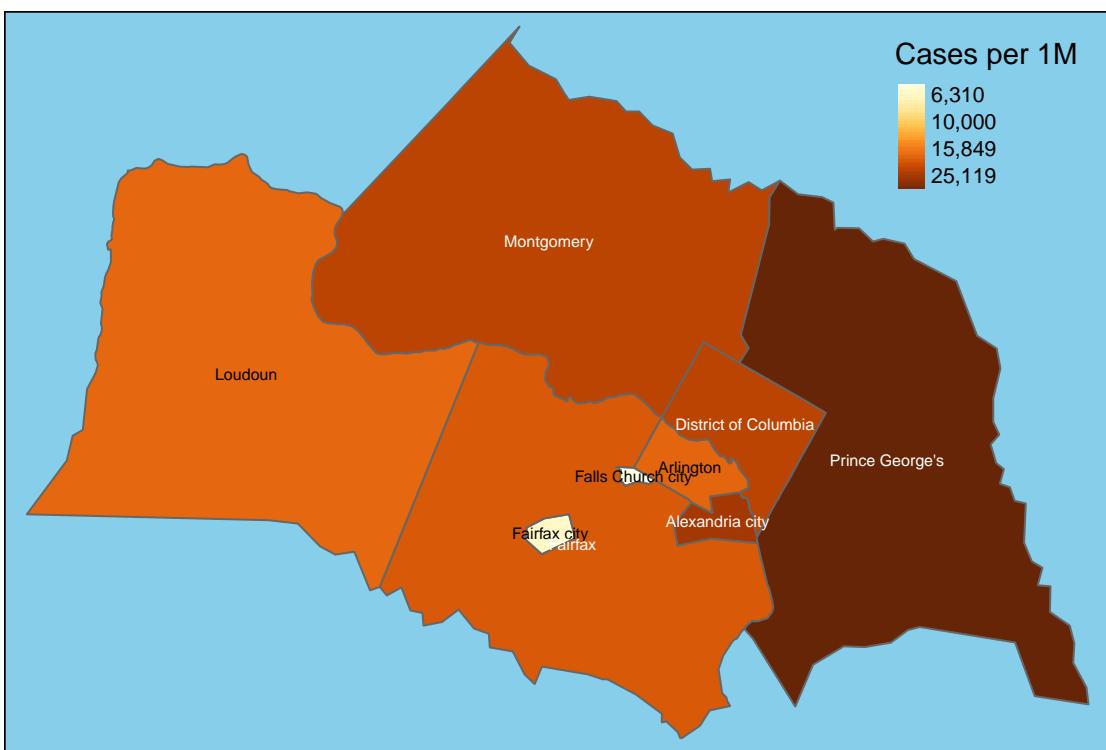
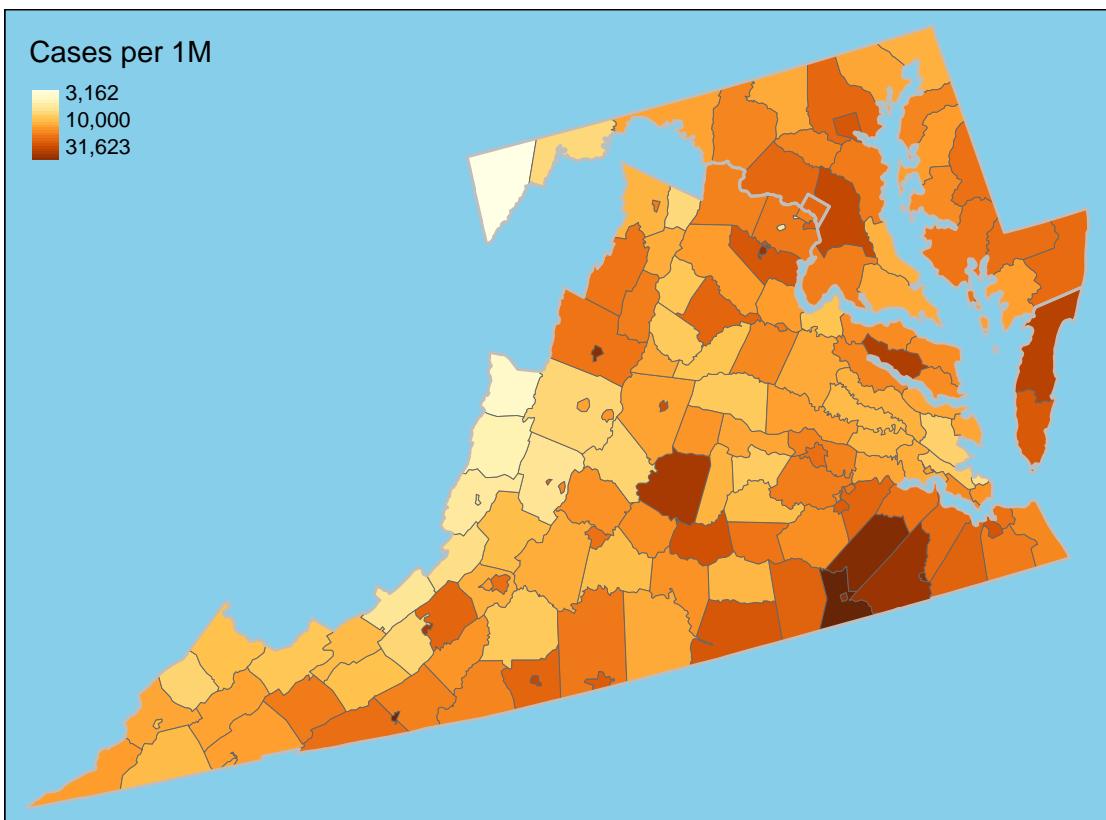


New Cases

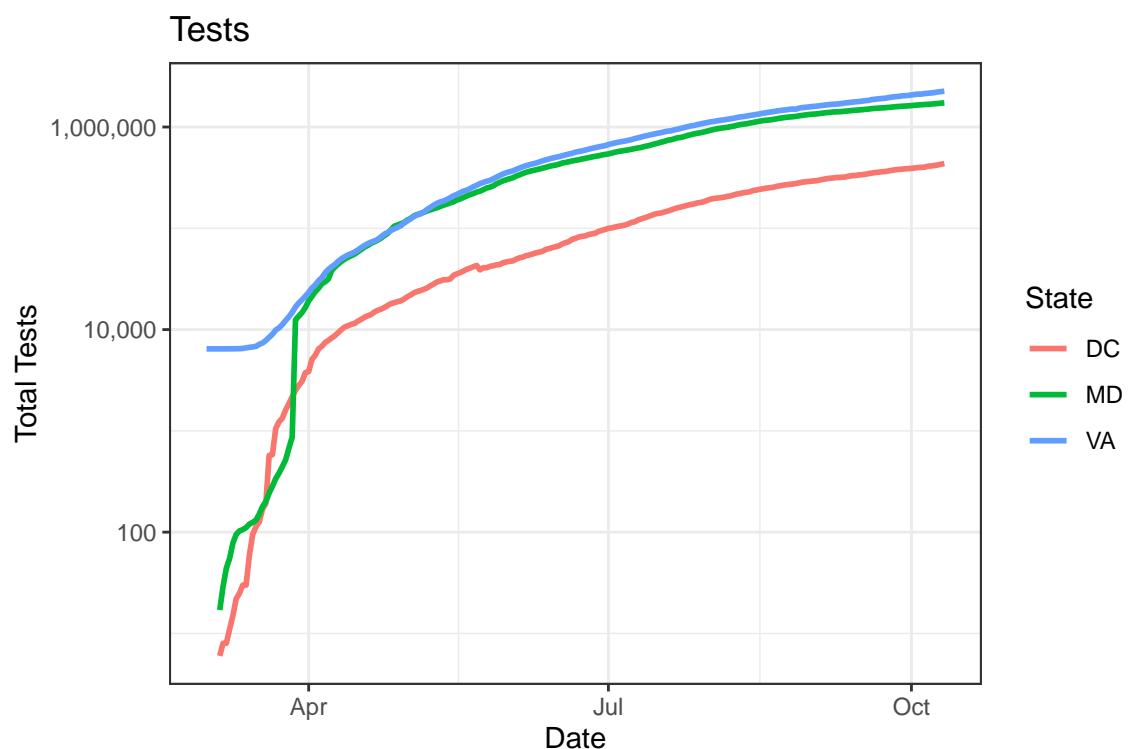


One-Week Change in Daily Cases

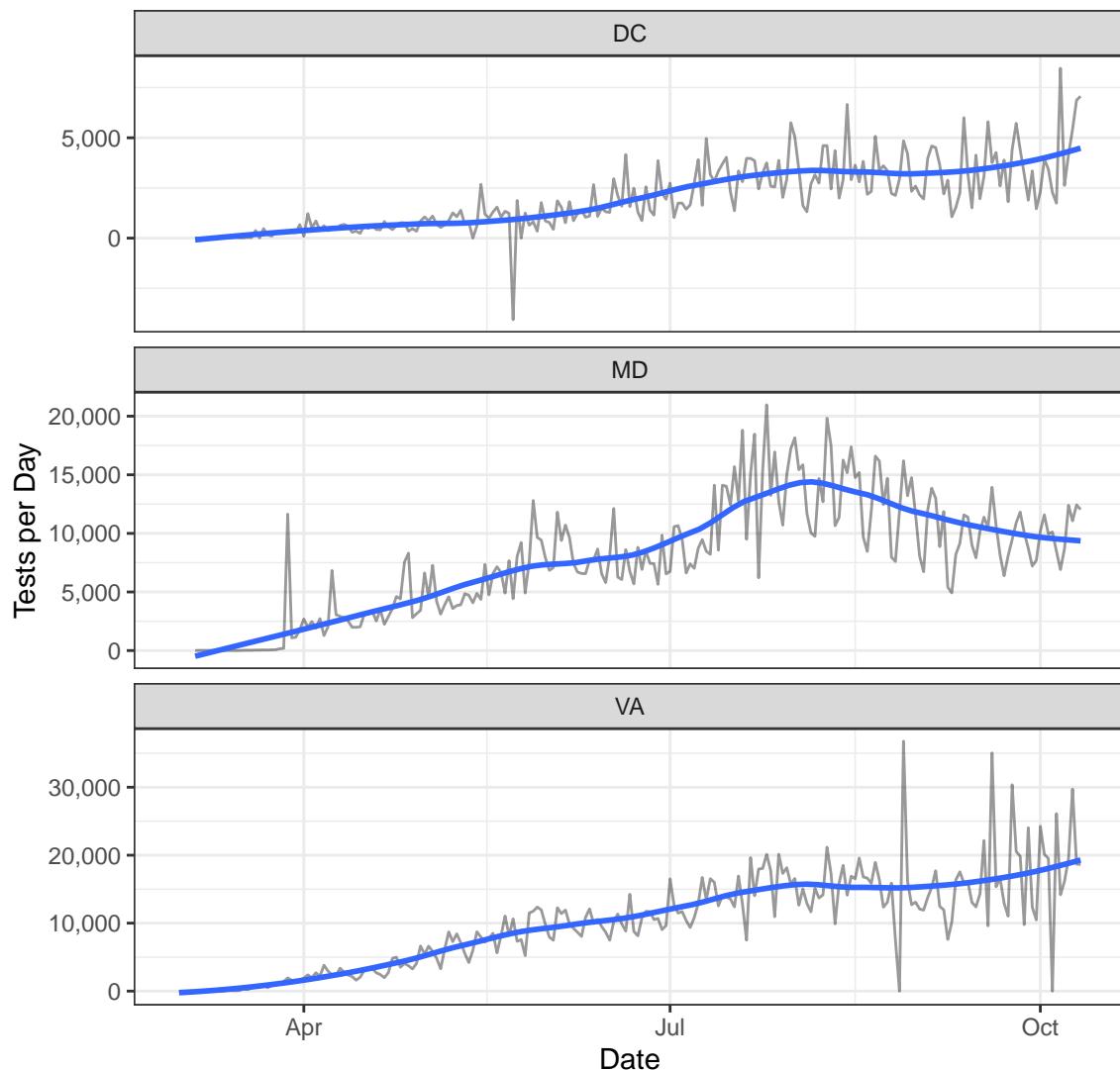




Testing



New Tests



Positive Test Rate

