

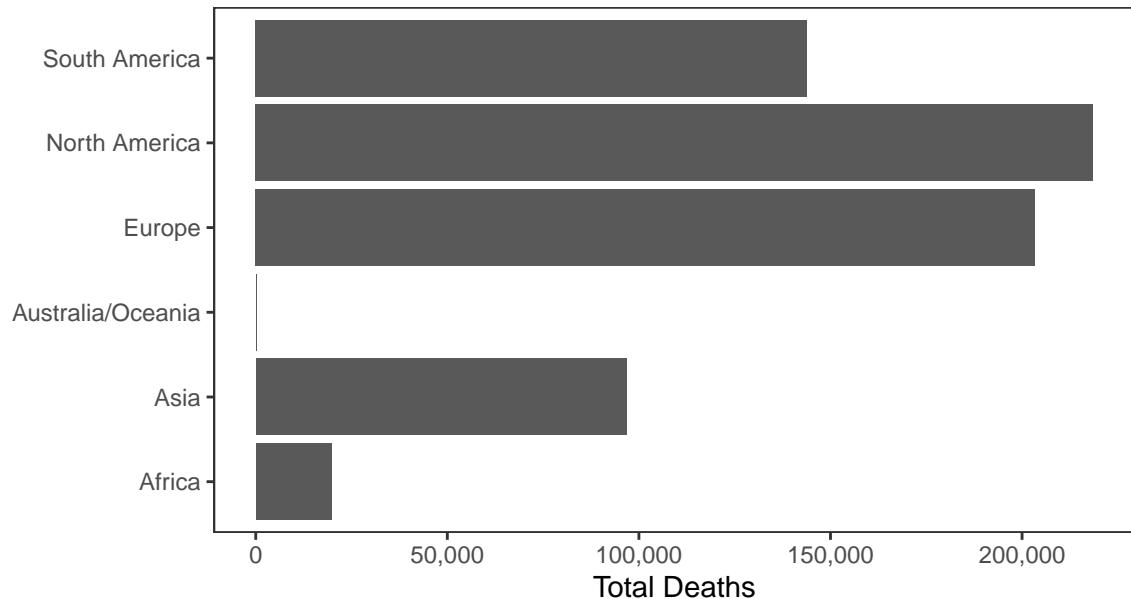
Erik's Covid-19 Chart Pack

Data updated 2020-08-01 19:13:30. 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 17,752,708 confirmed Covid-19 cases and 682,393 deaths worldwide.

Deaths



Cases

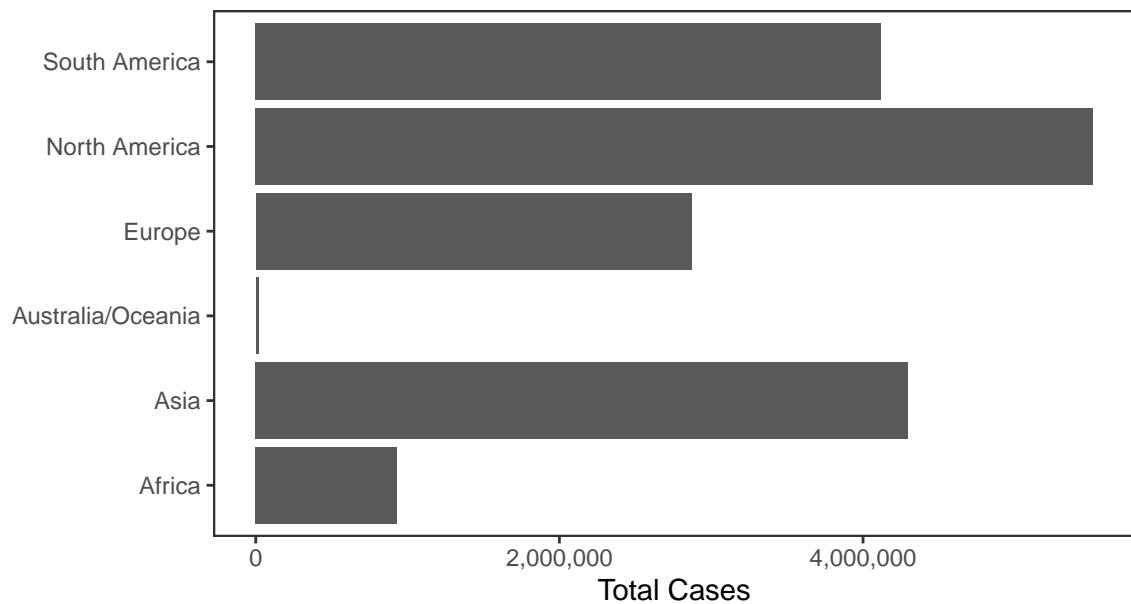
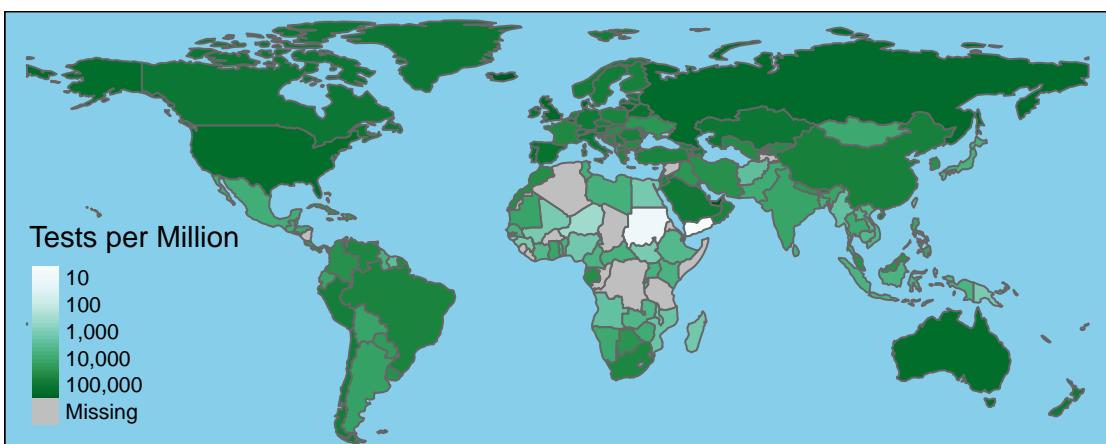
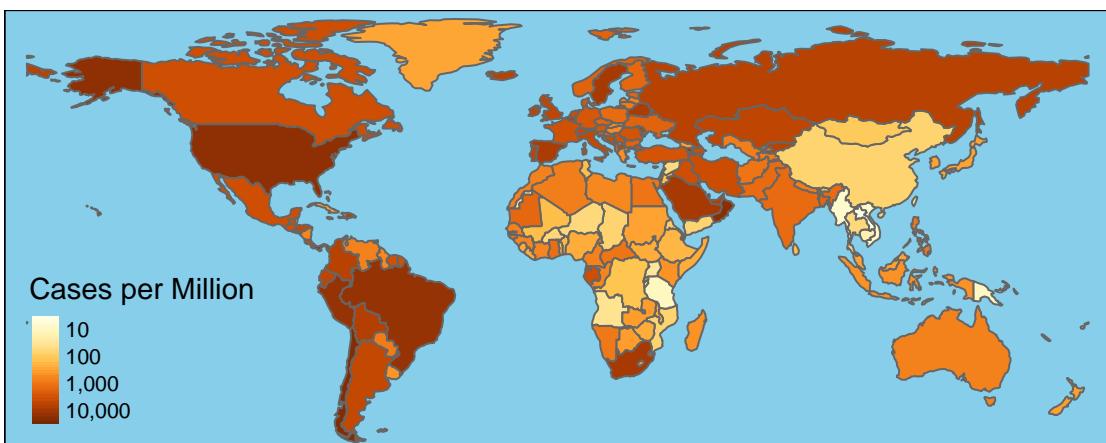
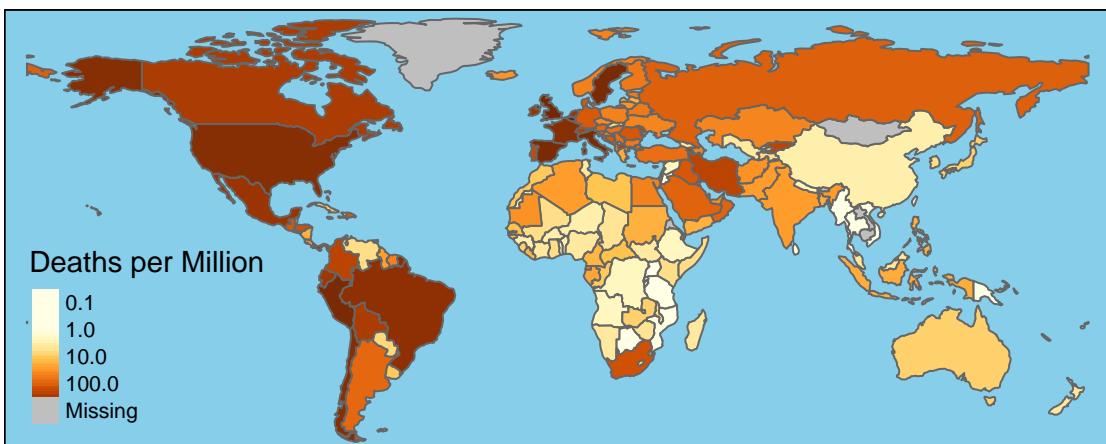


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	4,705,889	156,747	70,904	1,462
Brazil	2,666,298	92,568	52,509	1,191
India	1,697,054	36,551	57,704	765
Russia	839,981	13,963	5,482	161
South Africa	493,183	8,005	11,014	193
Mexico	416,179	46,000	7,730	639
Peru	414,735	19,217	7,243	196
Chile	355,667	9,457	2,131	80
Spain	335,602	28,445	3,092	2
Iran	304,204	16,766	2,674	197
UK	303,181	46,119	880	120
Colombia	295,508	10,105	9,488	295
Pakistan	278,305	5,951	903	27
Saudi Arabia	275,905	2,866	1,686	24
Italy	247,537	35,141	379	9
Bangladesh	237,661	3,111	2,772	28
Turkey	230,873	5,691	982	17
Germany	210,665	9,224	1,012	3
Argentina	191,302	3,543	5,929	102
France	187,919	30,265	1,346	11



National Data

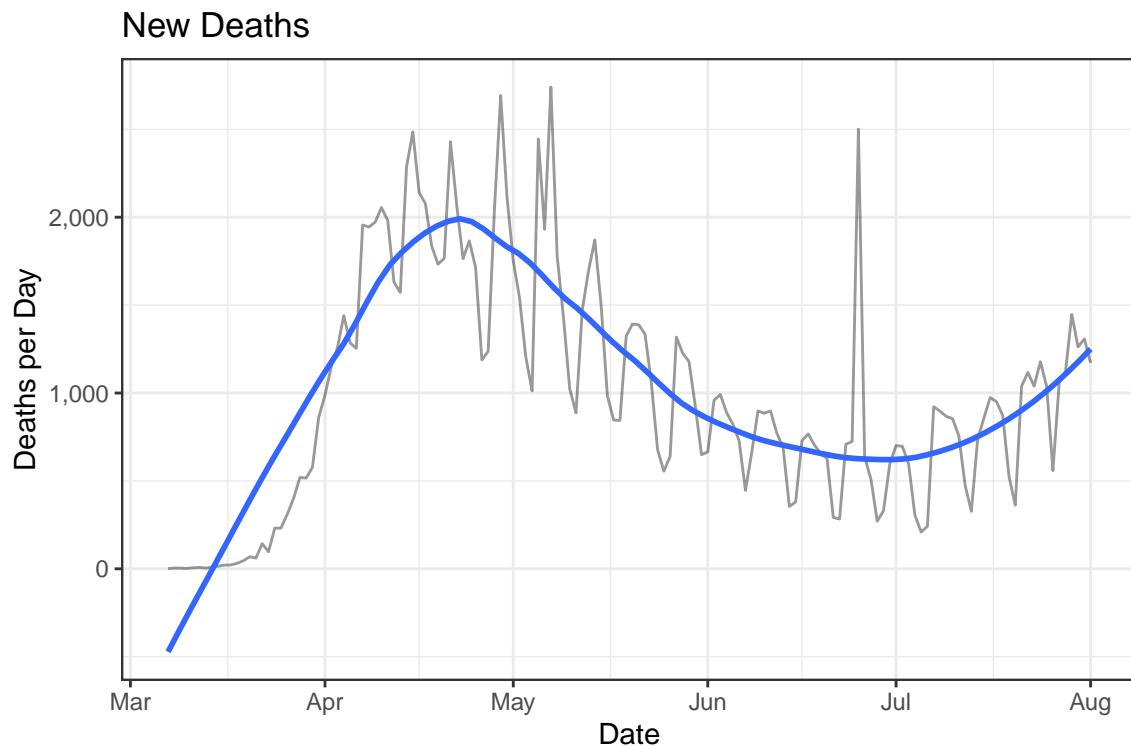
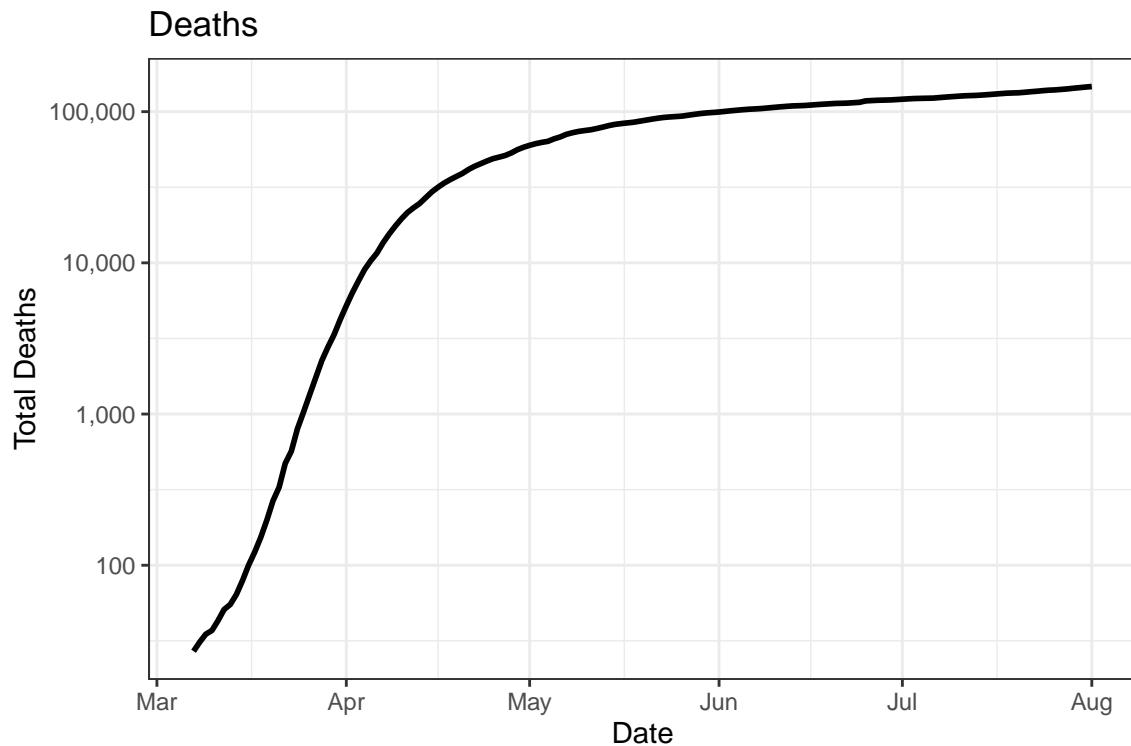
There have been 4,595,871 confirmed Covid-19 cases and 146,619 deaths in the United States.

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

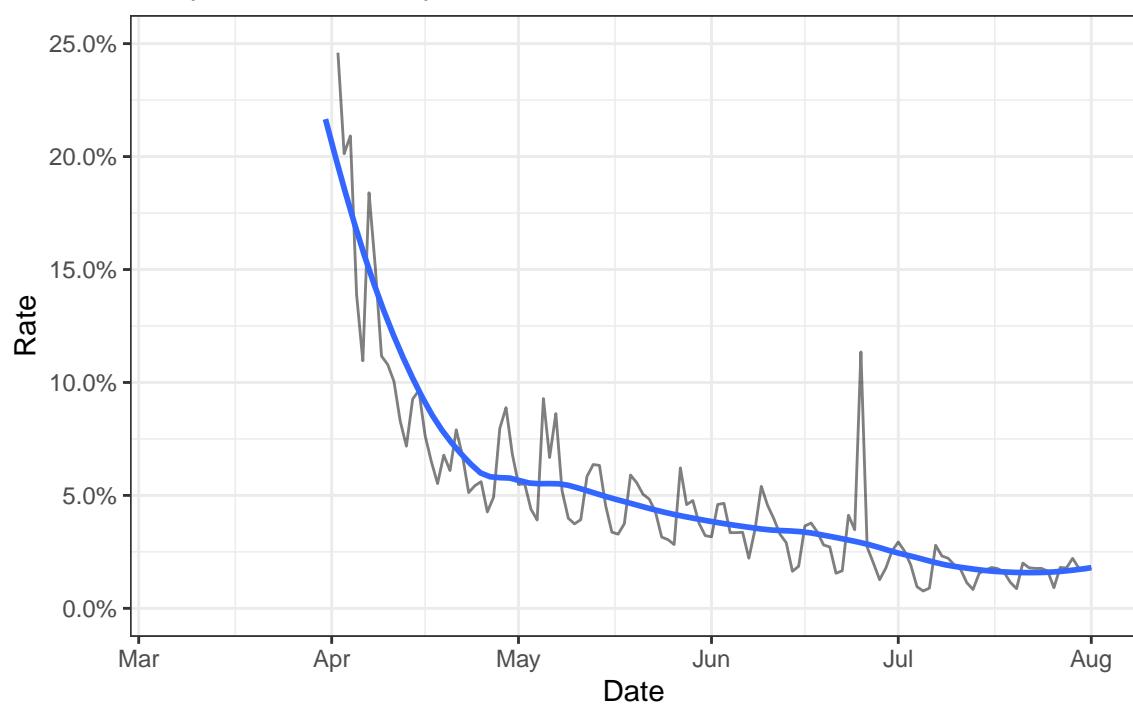
Date	Cases	Deaths	New Cases	New Deaths
2020-08-01	4,595,871	146,619	60,264	1,172
2020-07-31	4,535,607	145,447	67,503	1,308
2020-07-30	4,468,104	144,139	69,718	1,262
2020-07-29	4,398,386	142,877	66,969	1,447
2020-07-28	4,331,417	141,430	56,229	1,121
2020-07-27	4,275,188	140,309	55,134	1,059
2020-07-26	4,220,054	139,250	61,713	558
2020-07-25	4,158,341	138,692	65,413	1,037
2020-07-24	4,092,928	137,655	75,193	1,178
2020-07-23	4,017,735	136,477	71,027	1,039
2020-07-22	3,946,708	135,438	69,150	1,117
2020-07-21	3,877,558	134,321	63,642	1,038
2020-07-20	3,813,916	133,283	56,971	362
2020-07-19	3,756,945	132,921	64,884	526

Deaths

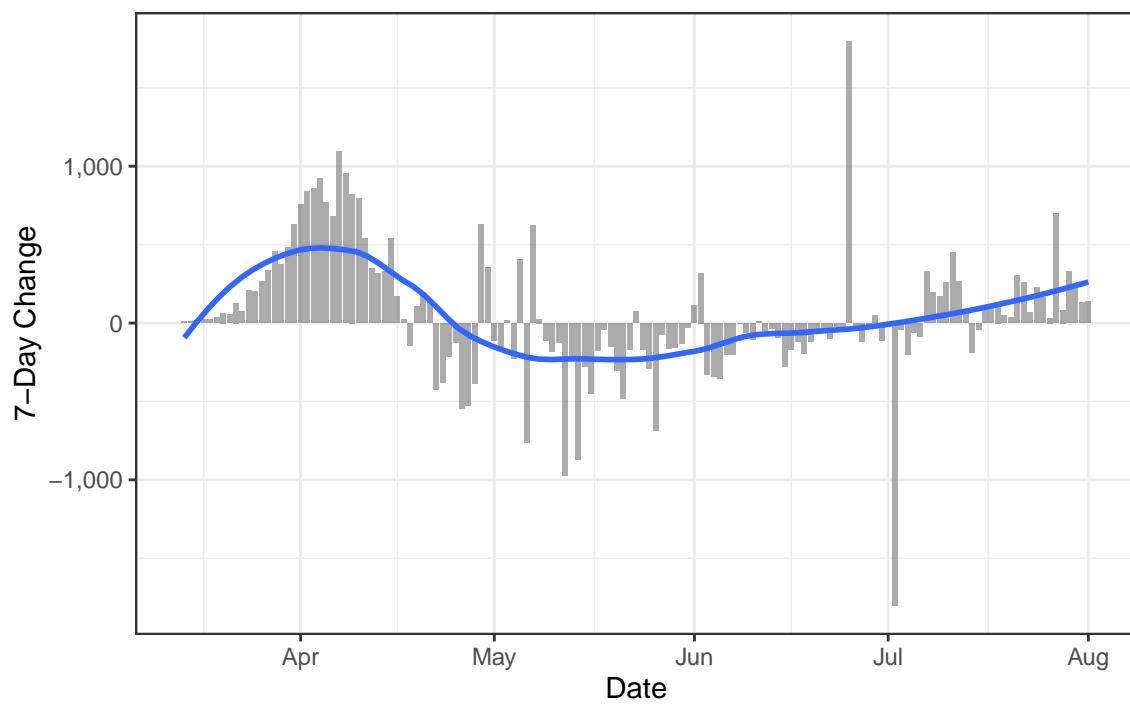
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

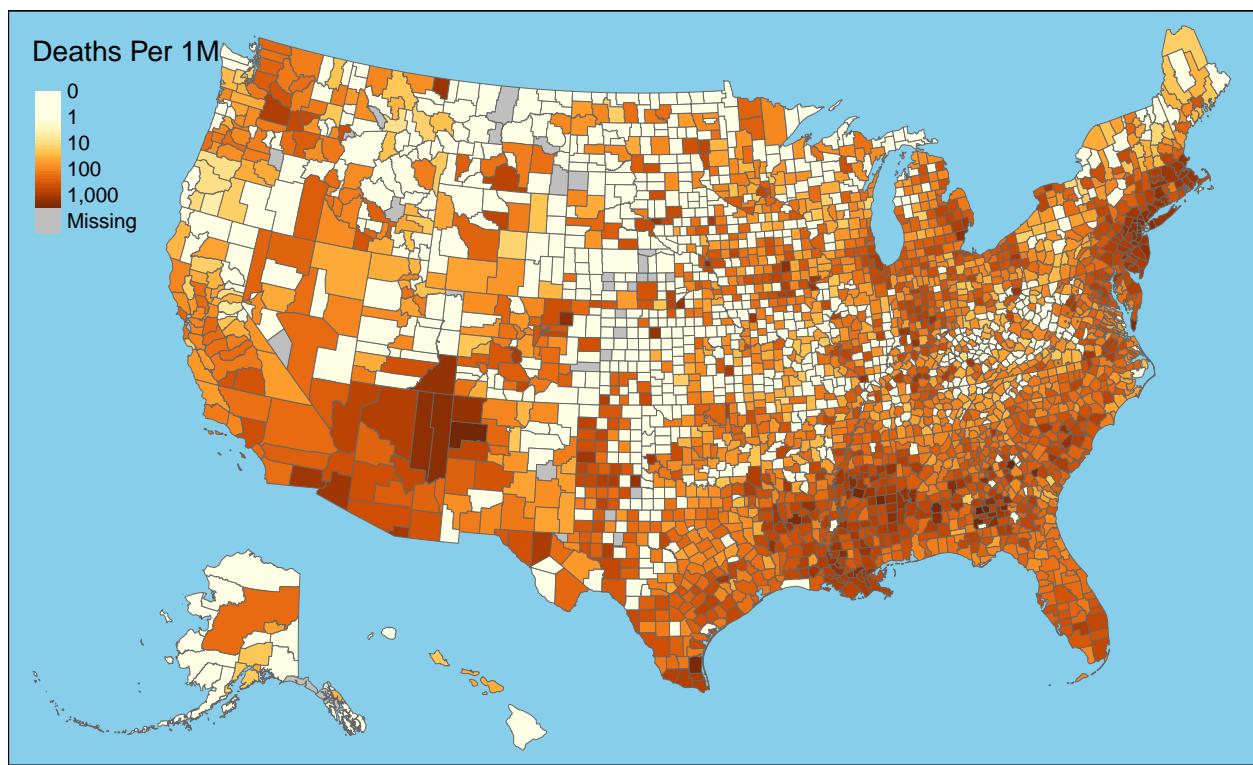


Daily Case Mortality Rate



One-Week Change in Daily Deaths

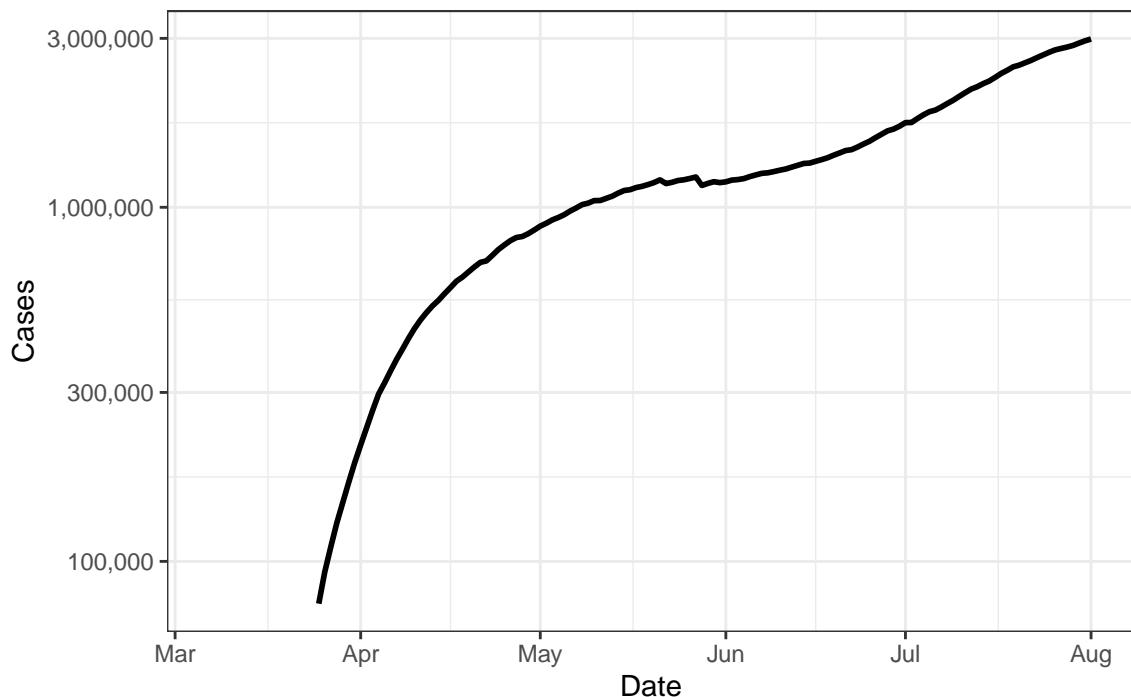




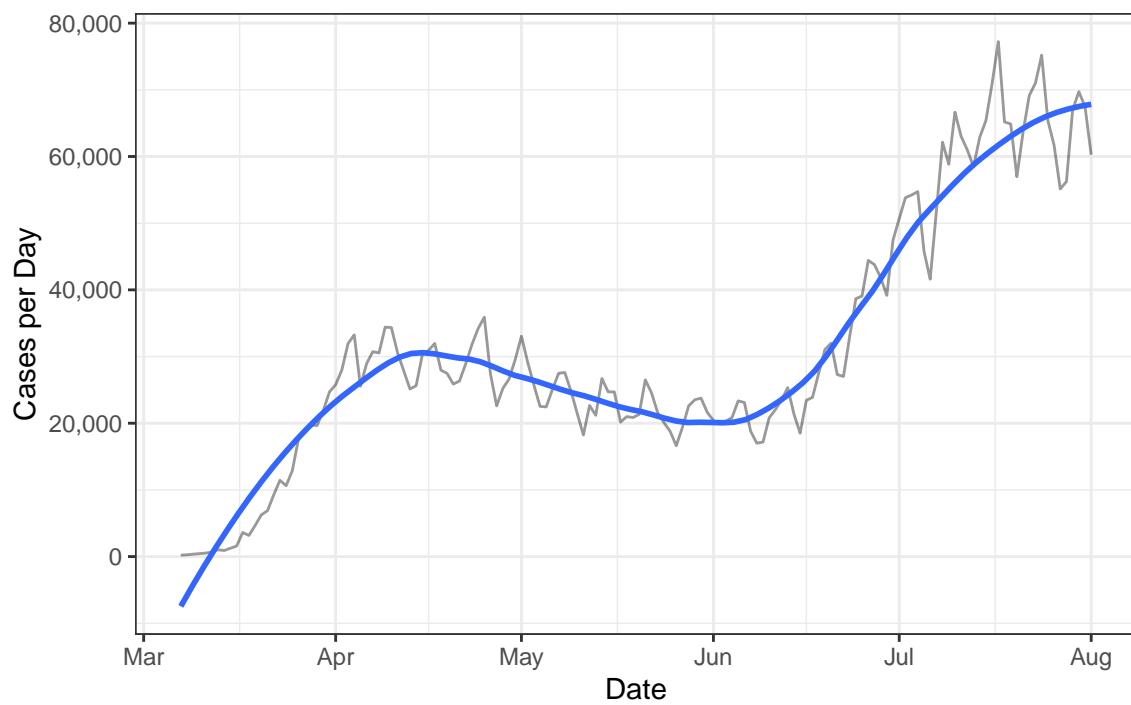
Cases

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

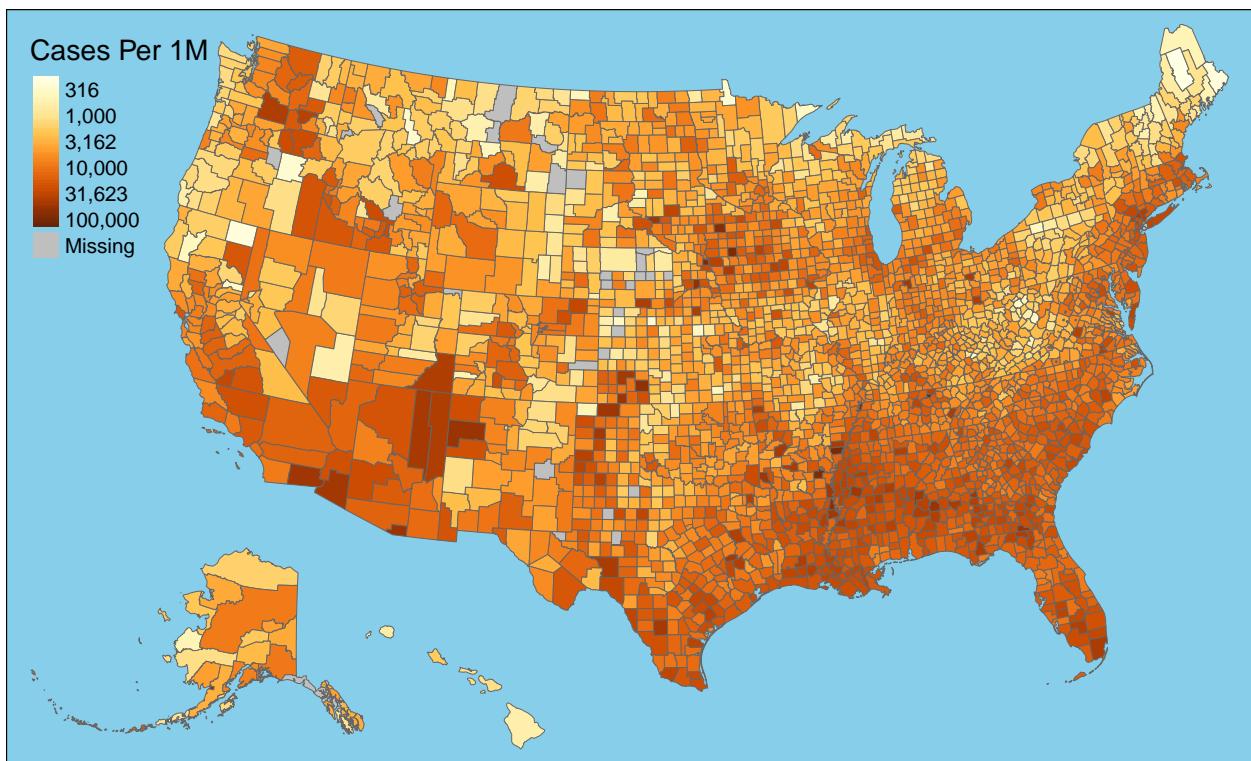
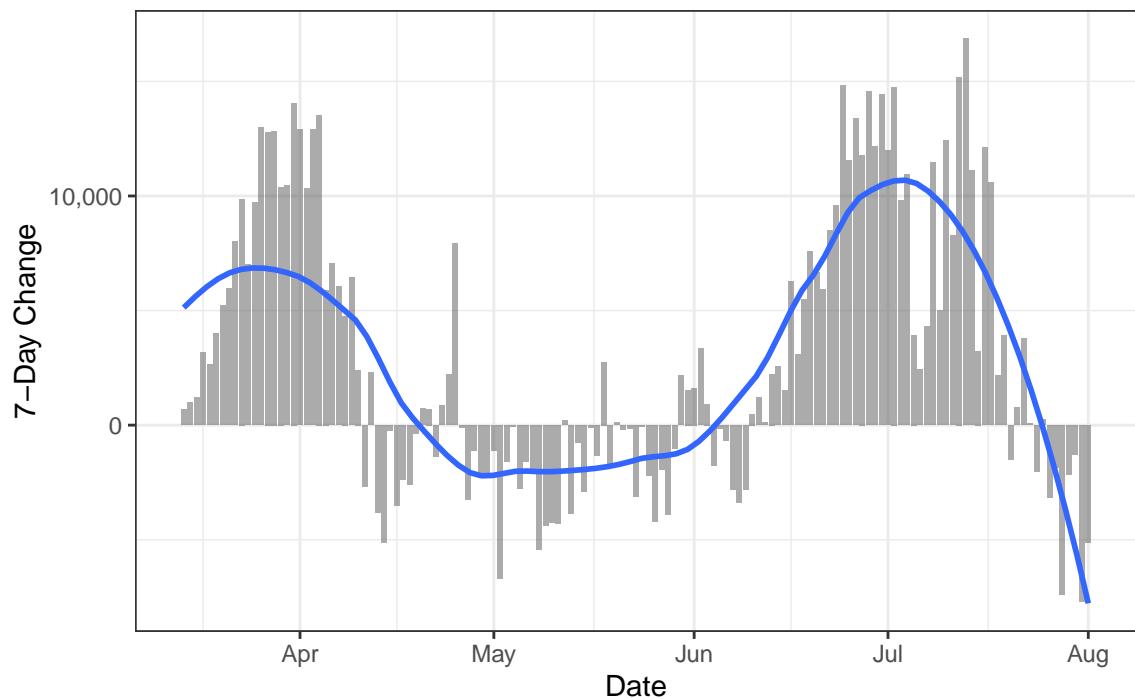
Active Cases



New Cases

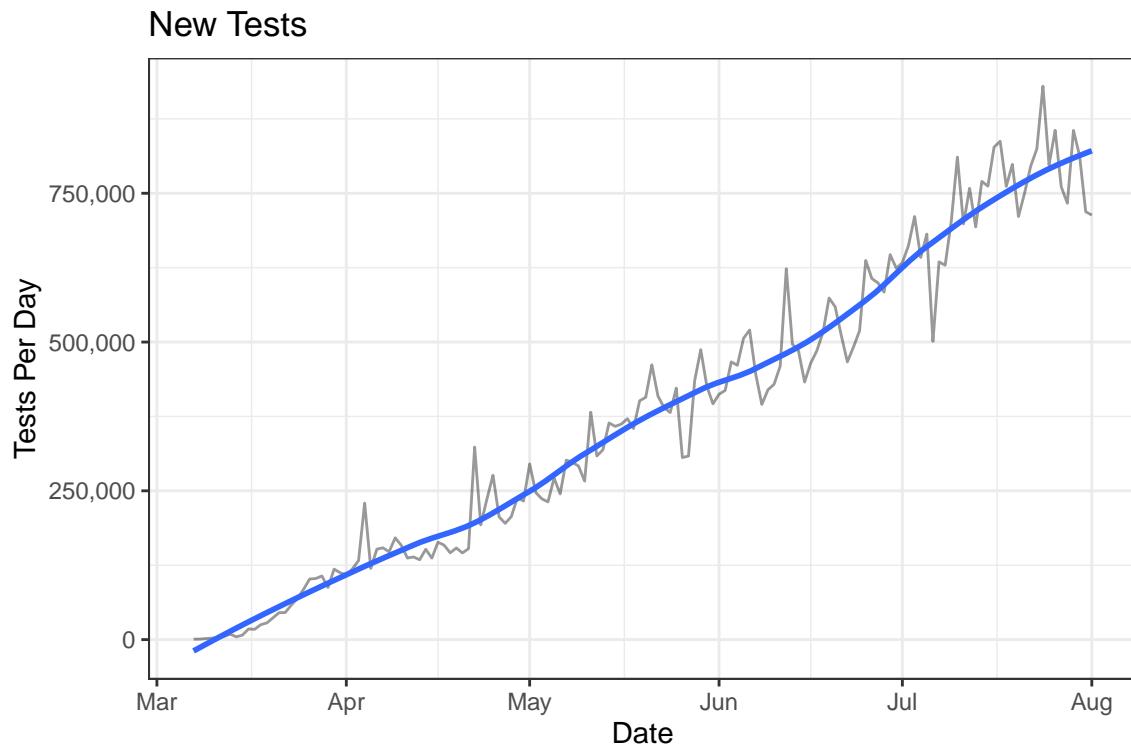
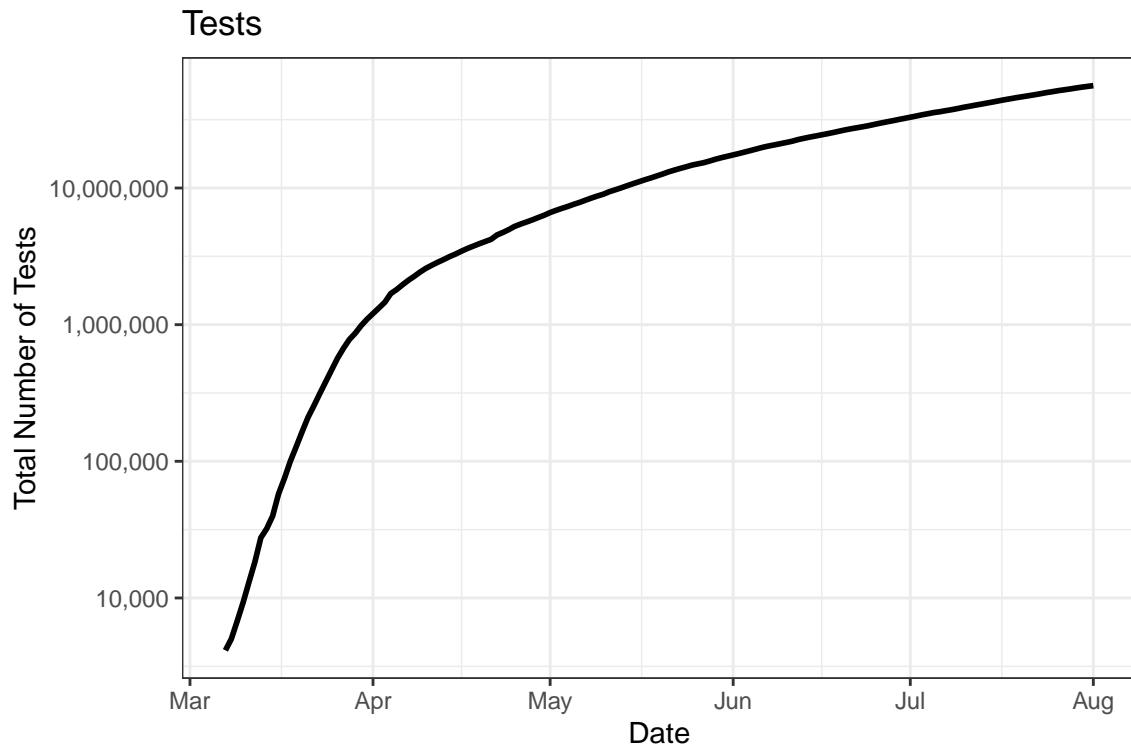


One-Week Change in Daily Cases

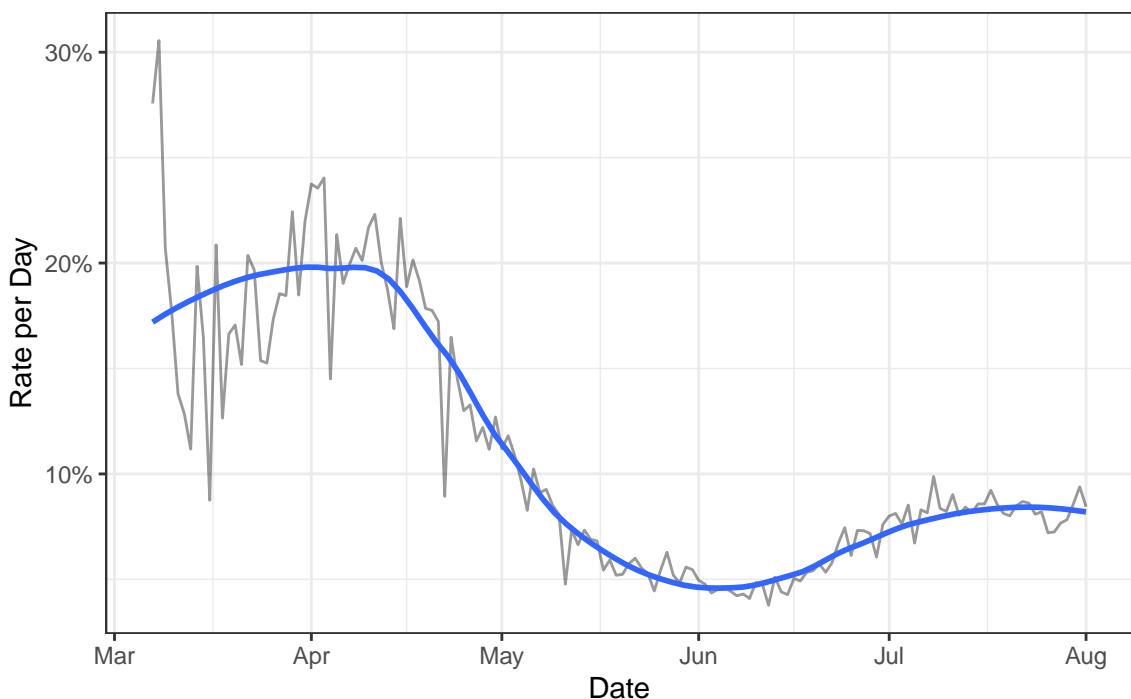


Testing

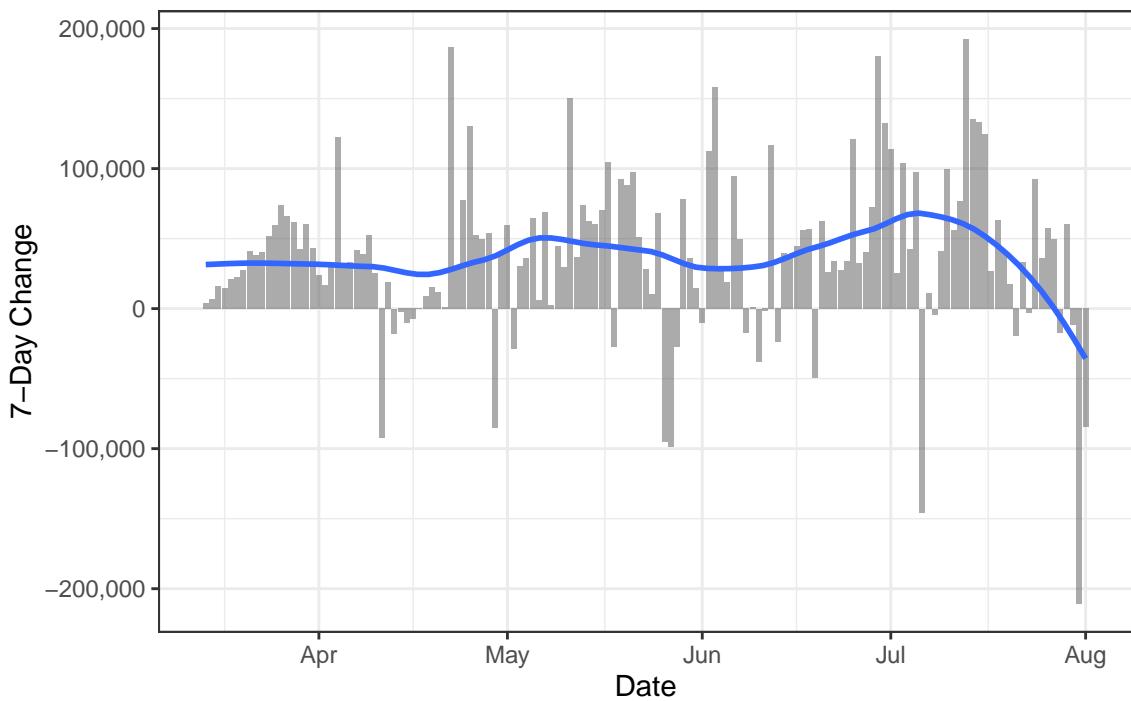
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

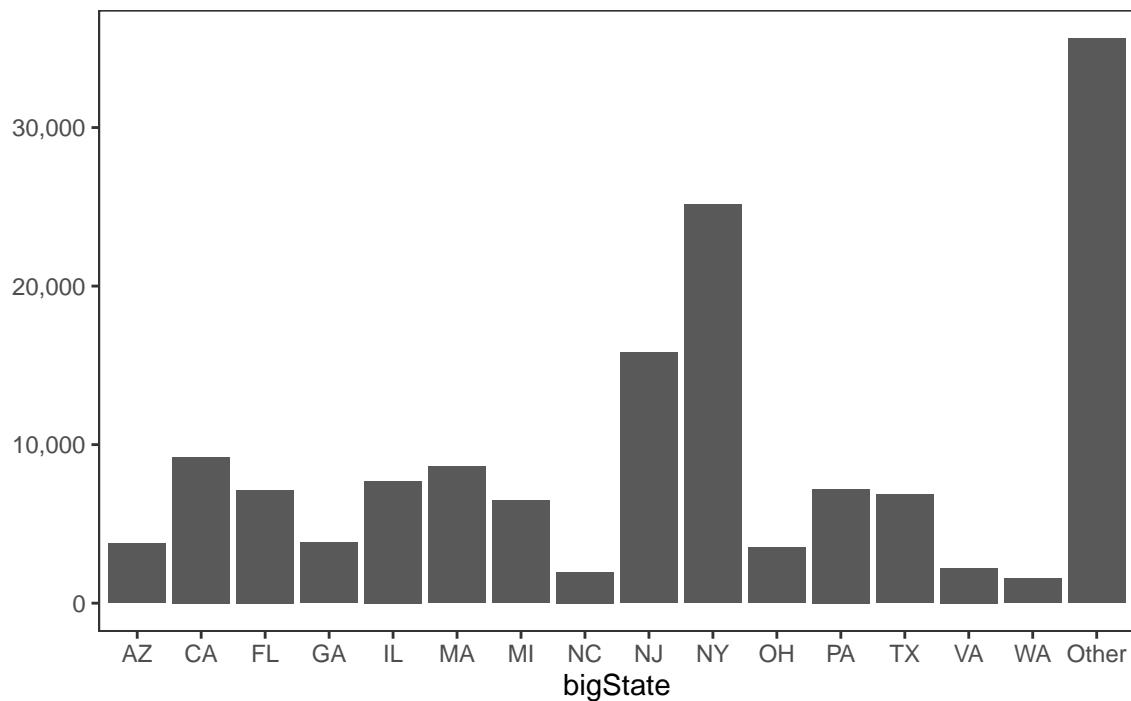


State Data

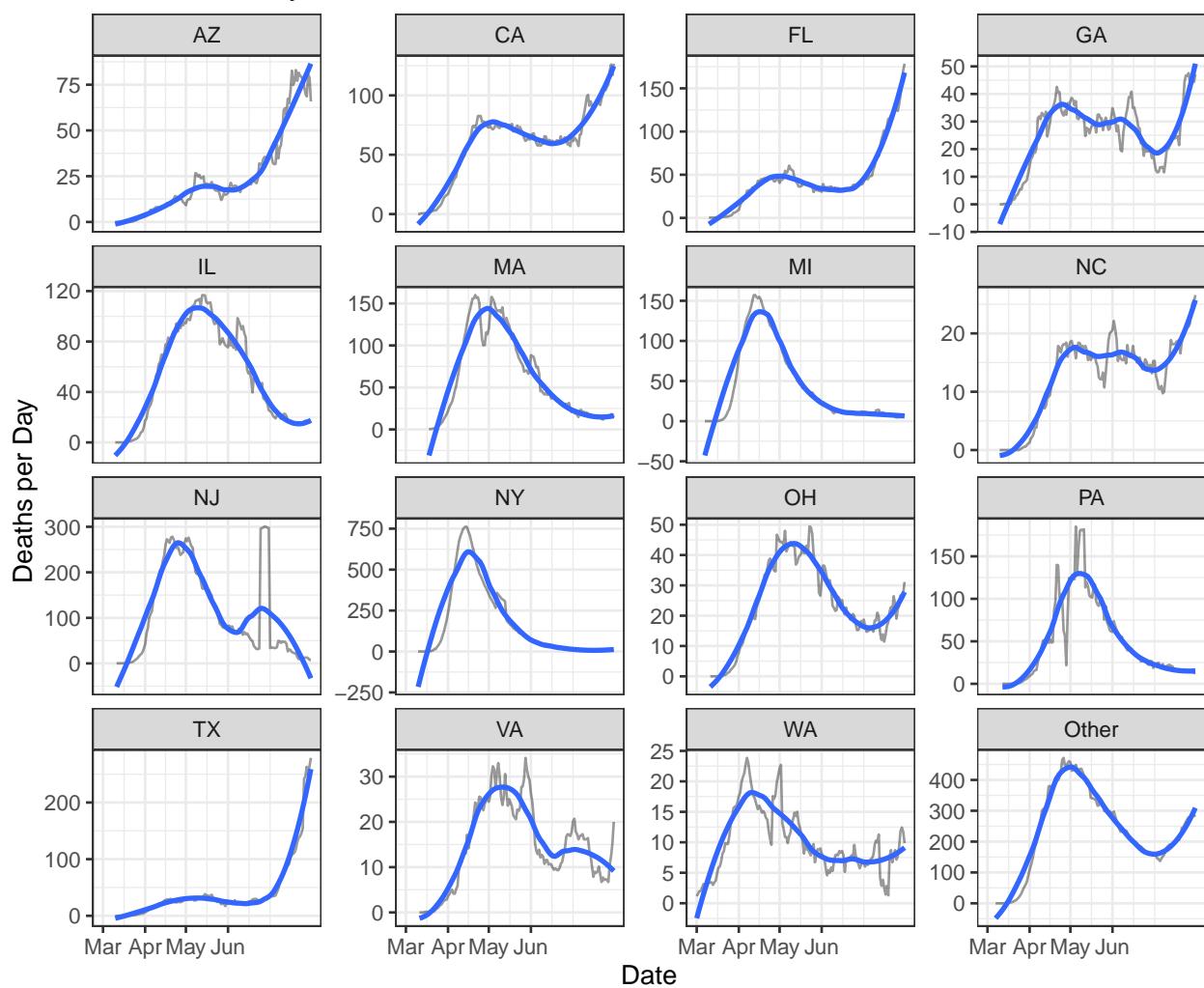
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

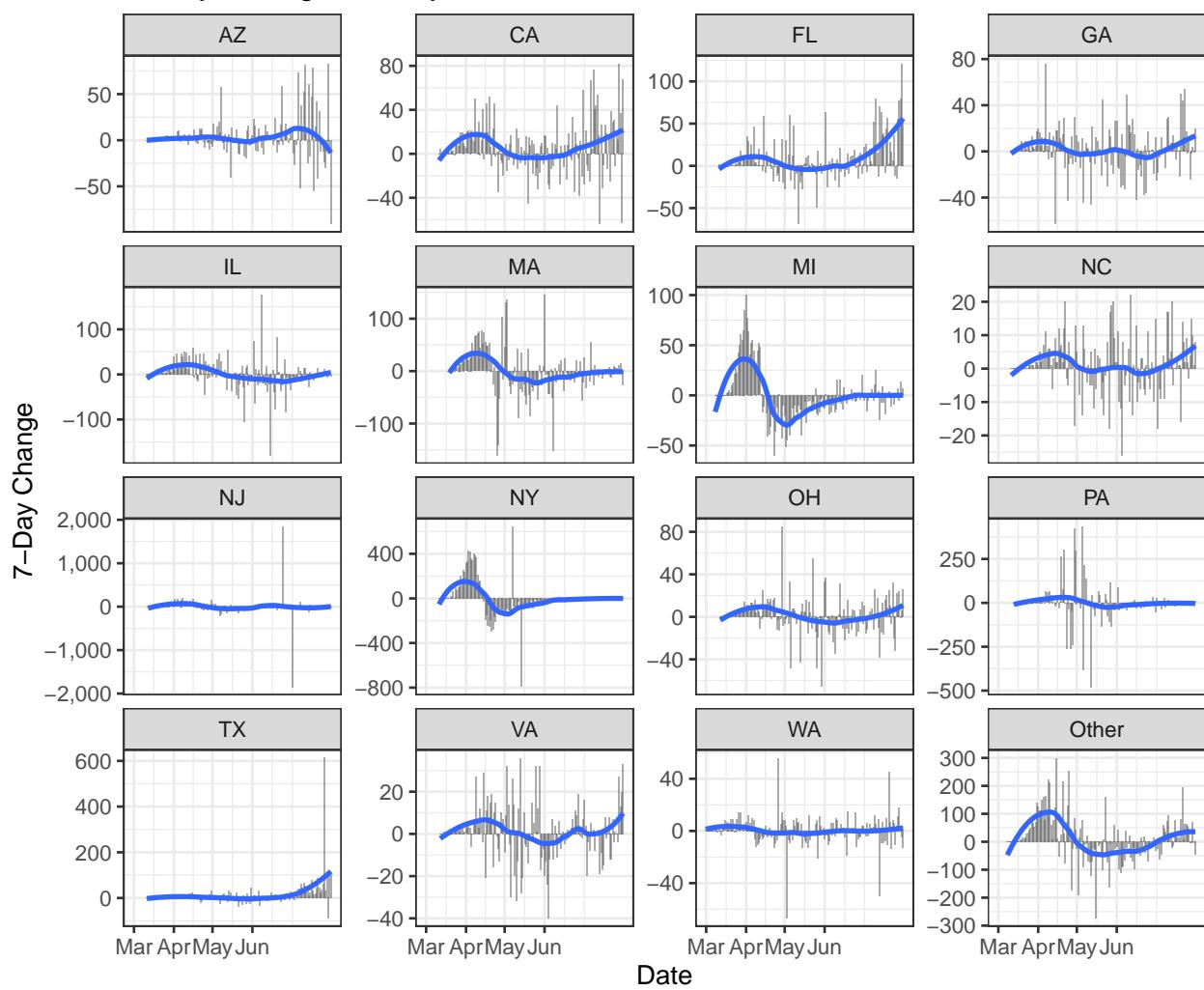
Deaths by State

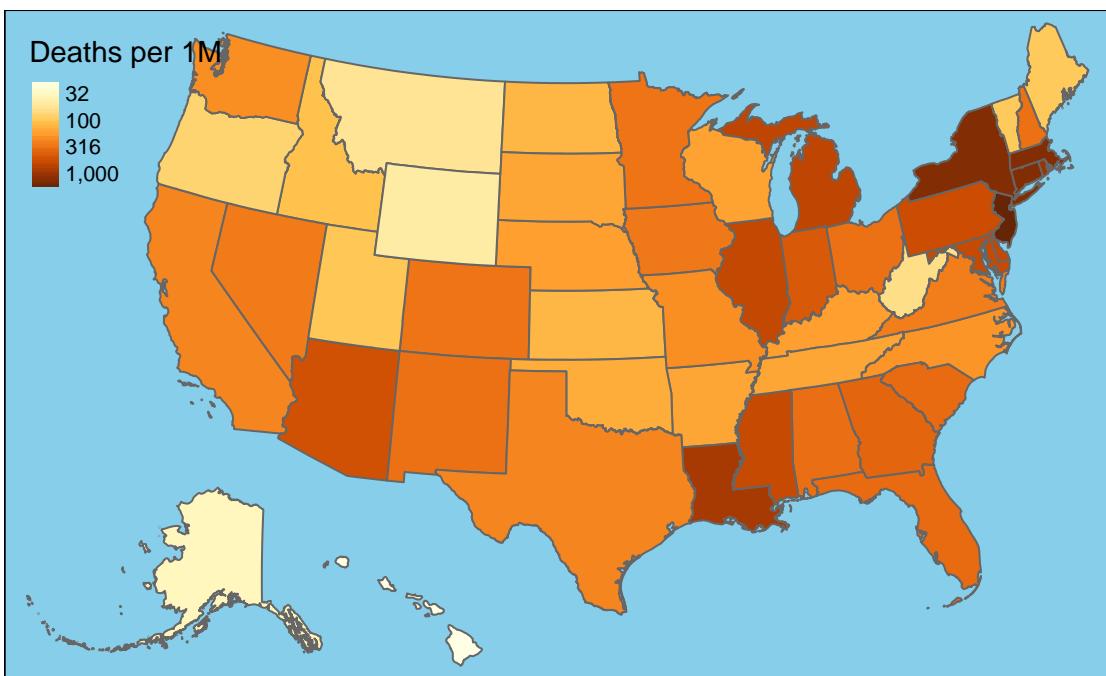
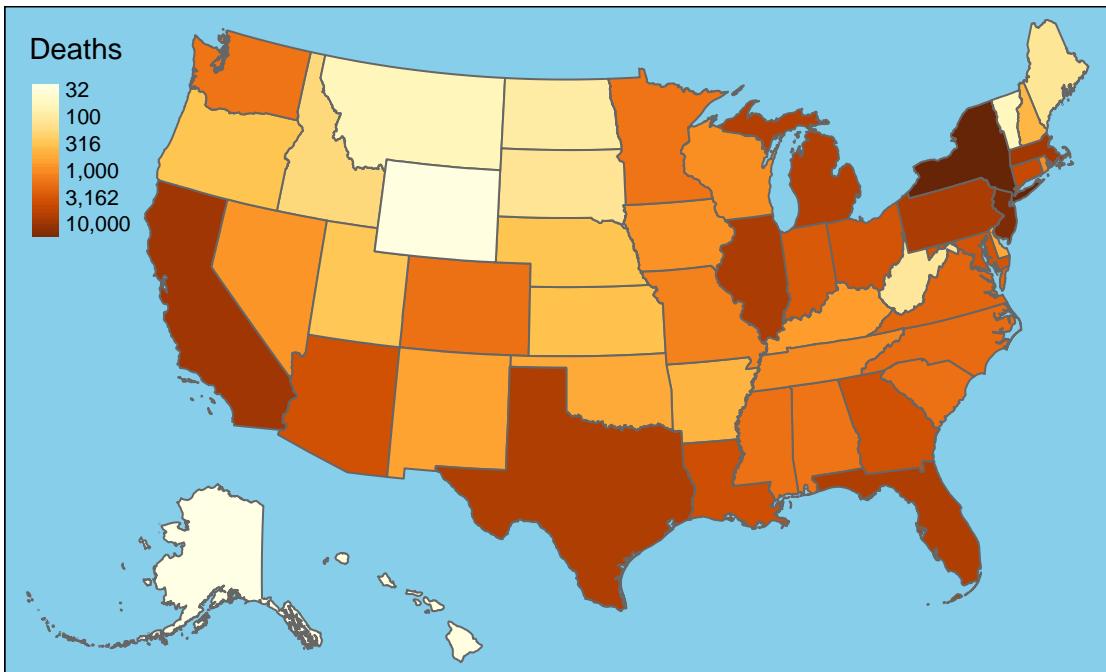


New Deaths by State



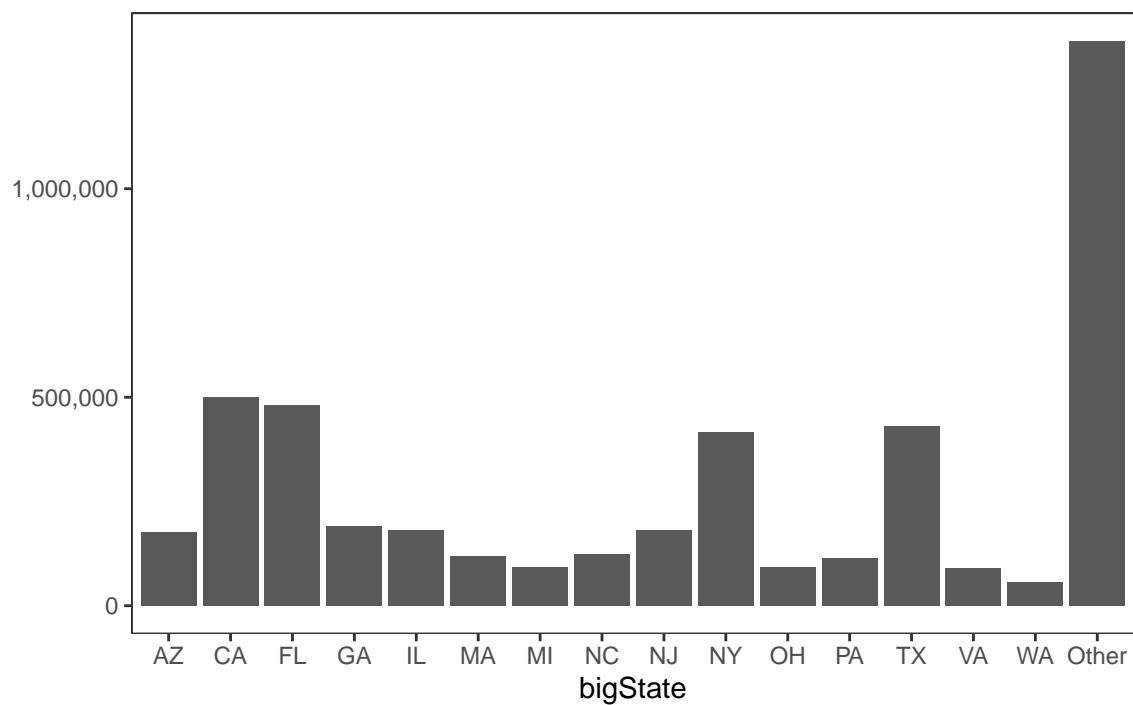
7-Day Change in Daily Deaths



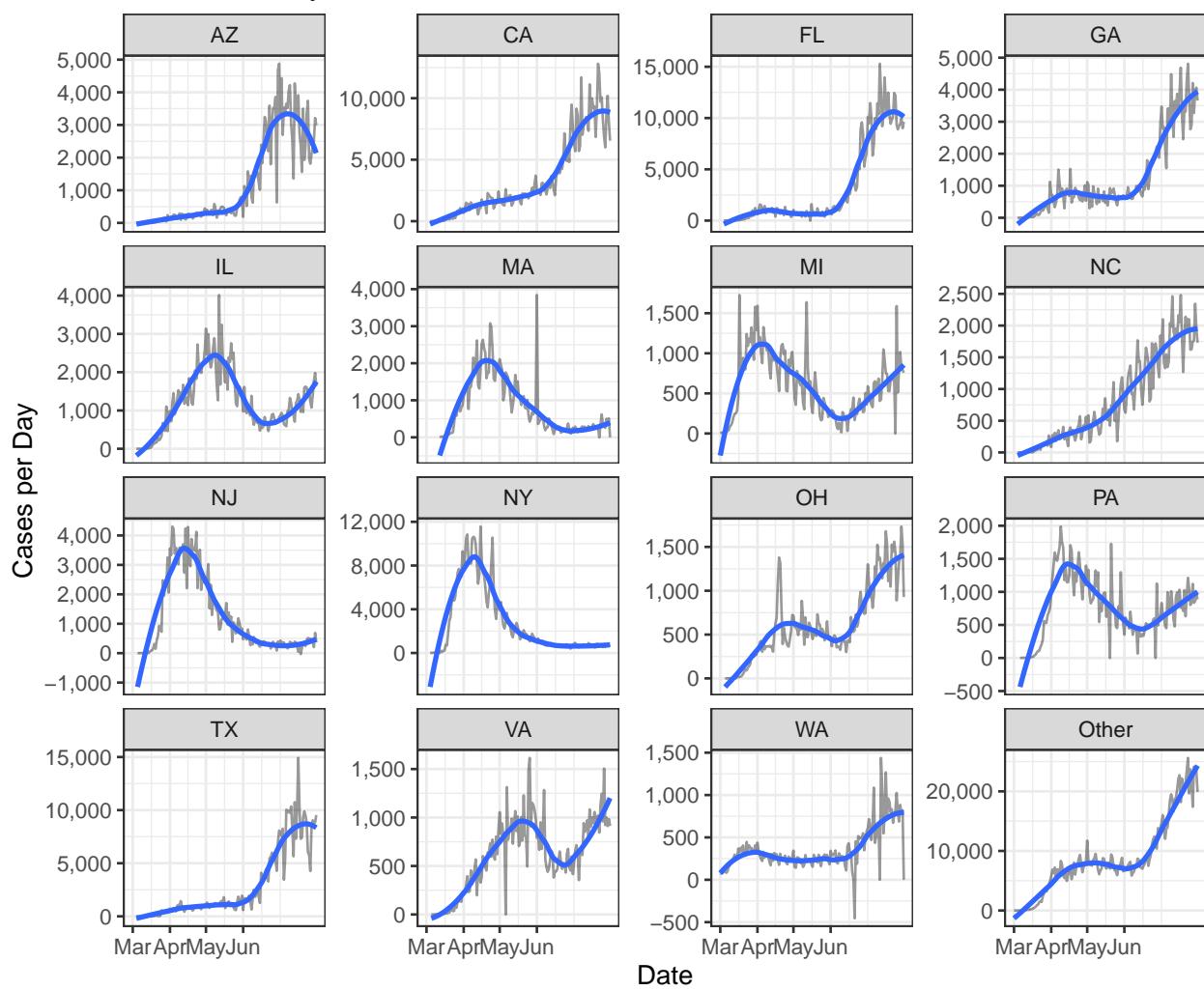


Cases

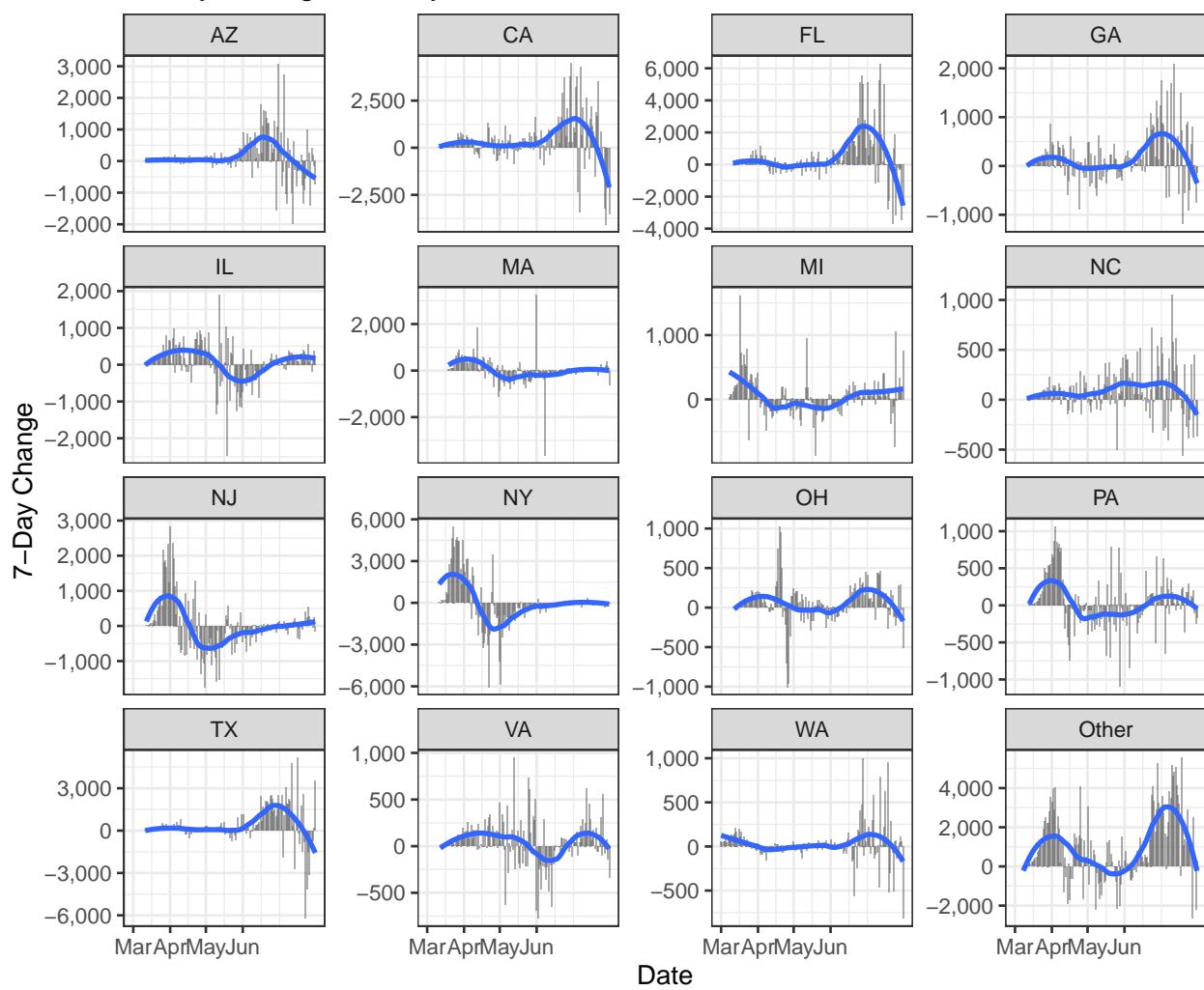
Cases by State

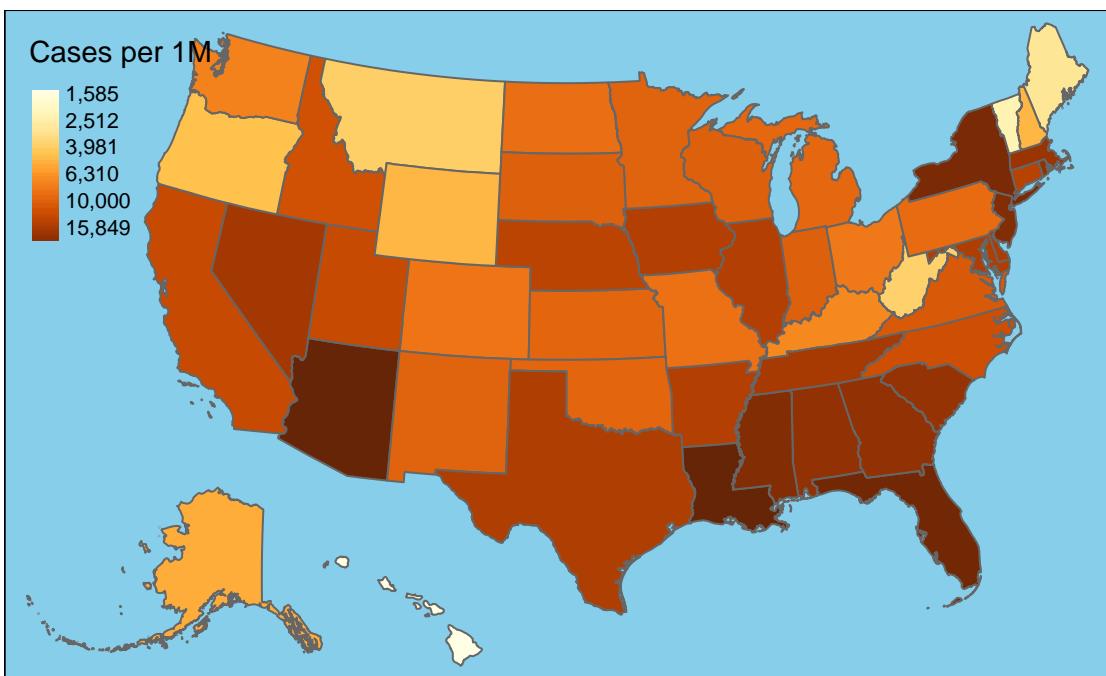
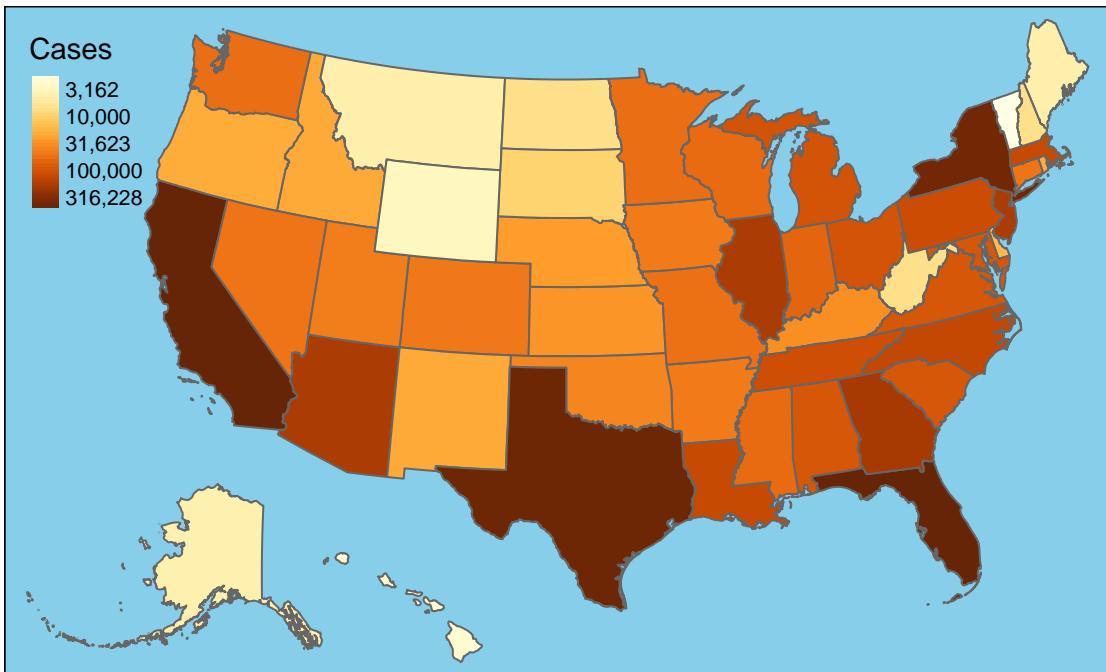


New Cases by State

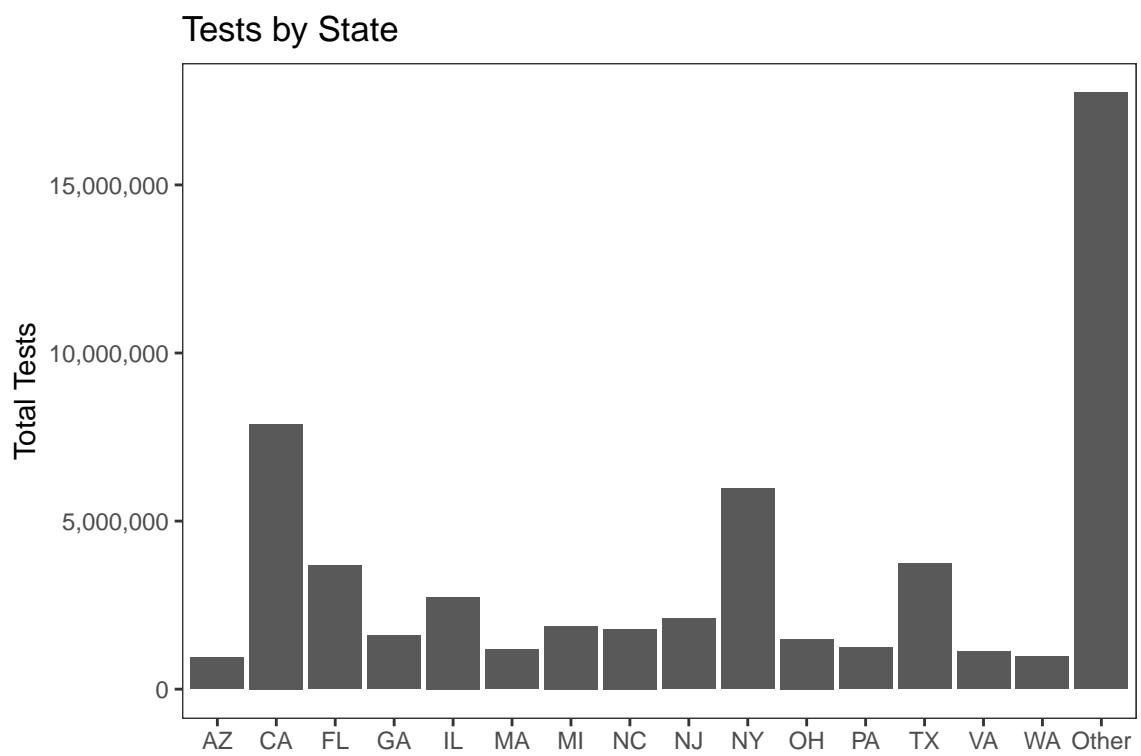


7-Day Change in Daily Cases

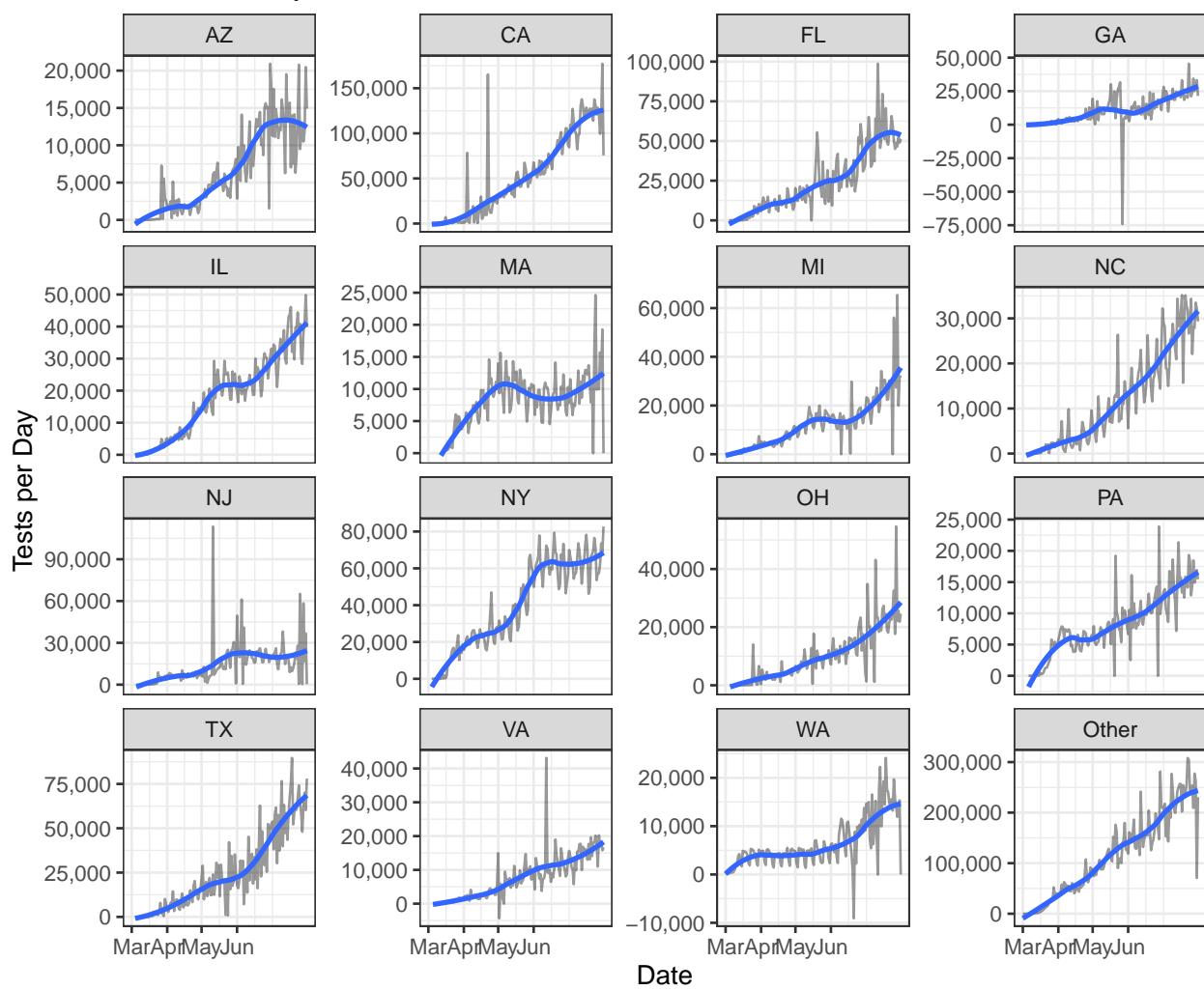


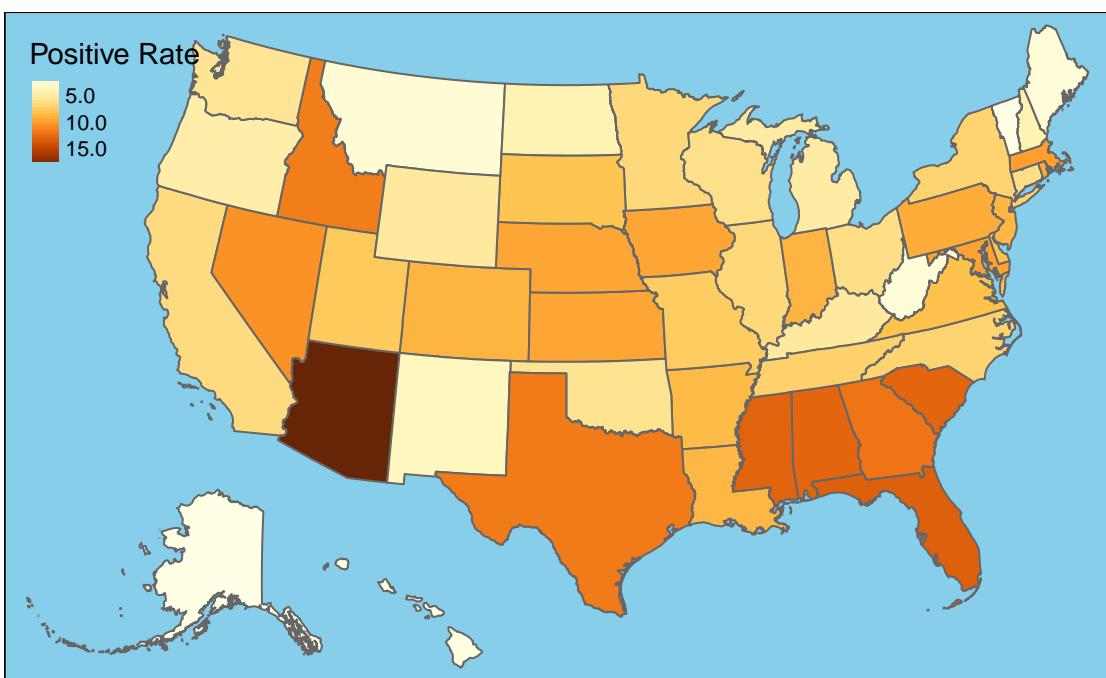
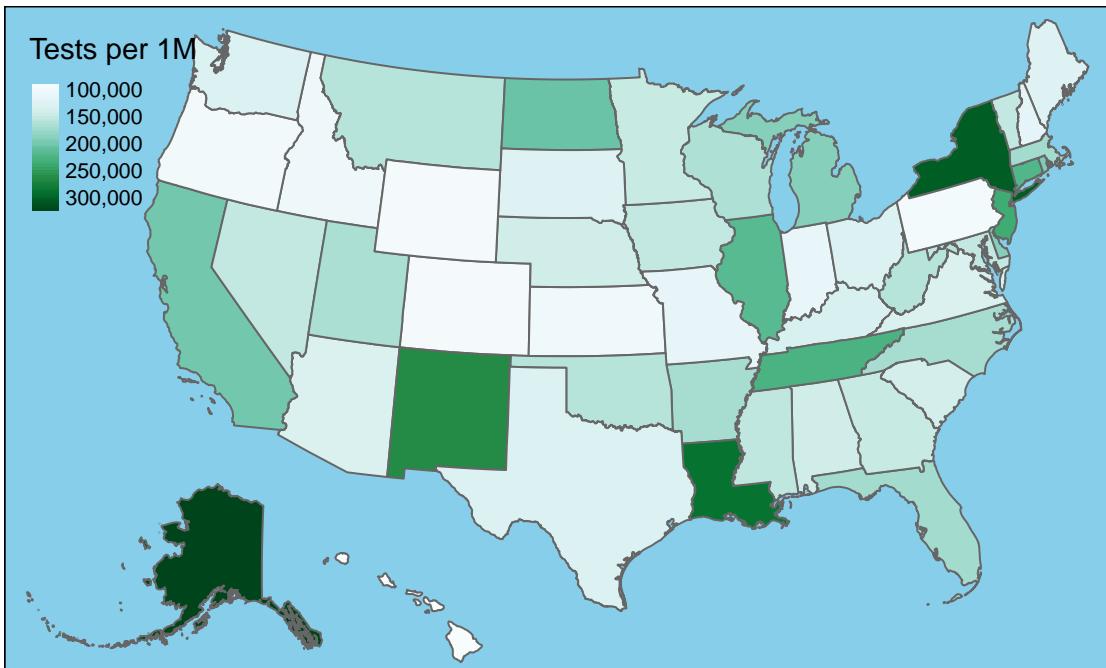


Testing



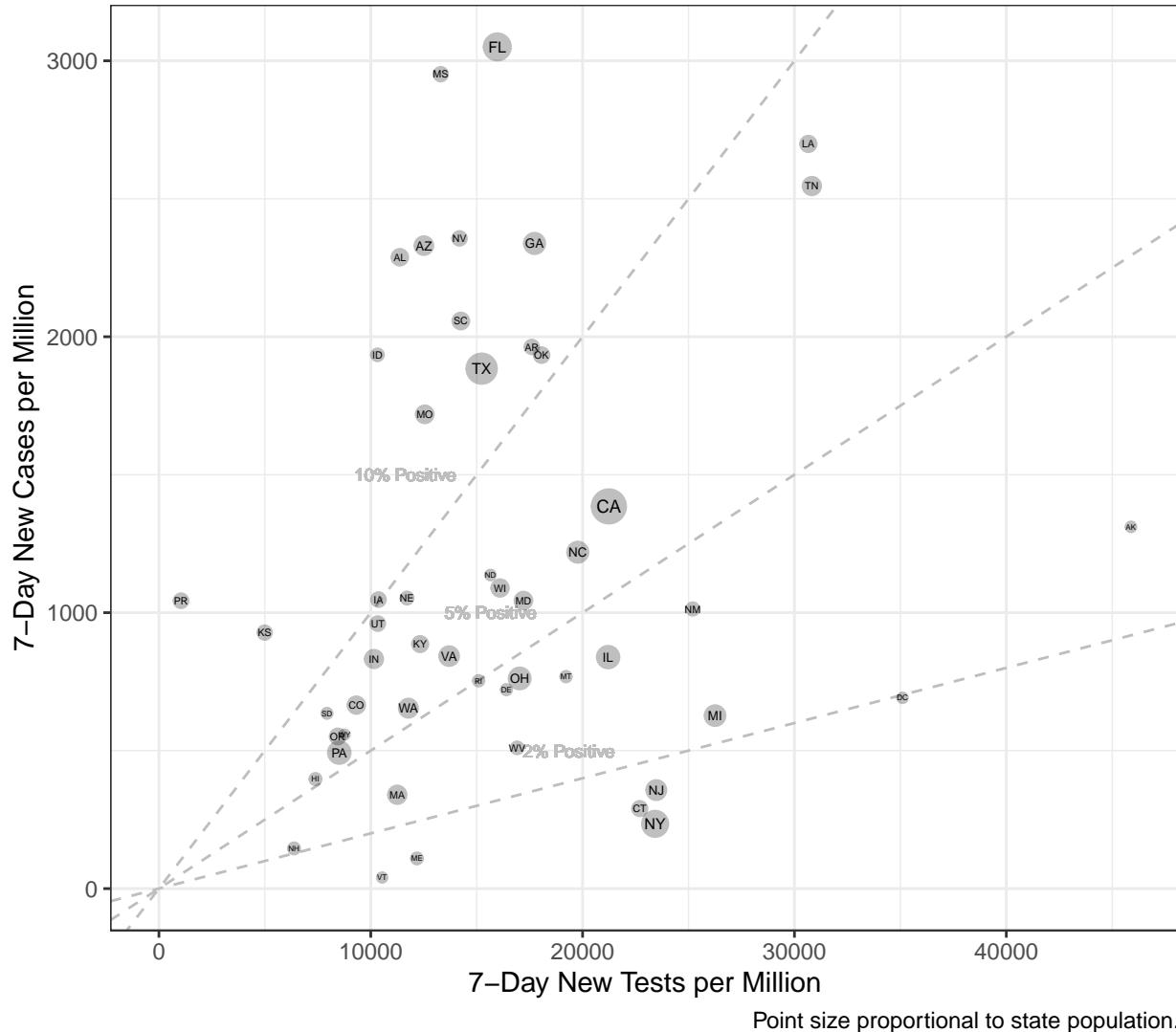
New Tests by State





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



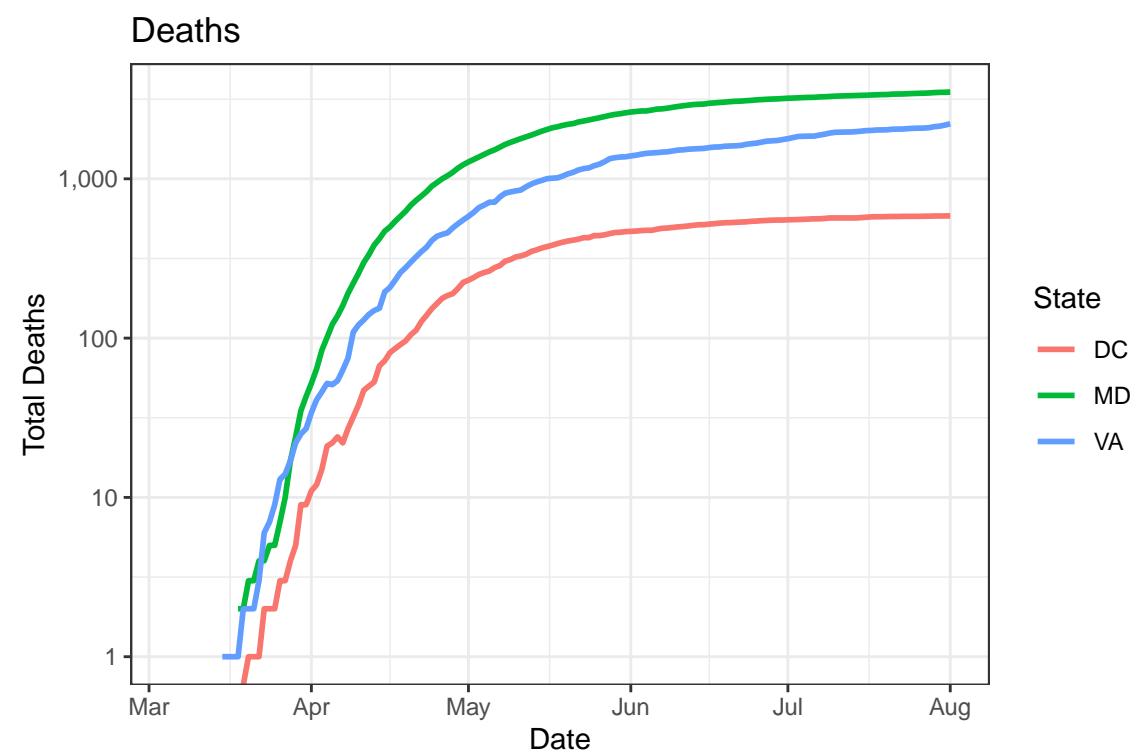
Local Data

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

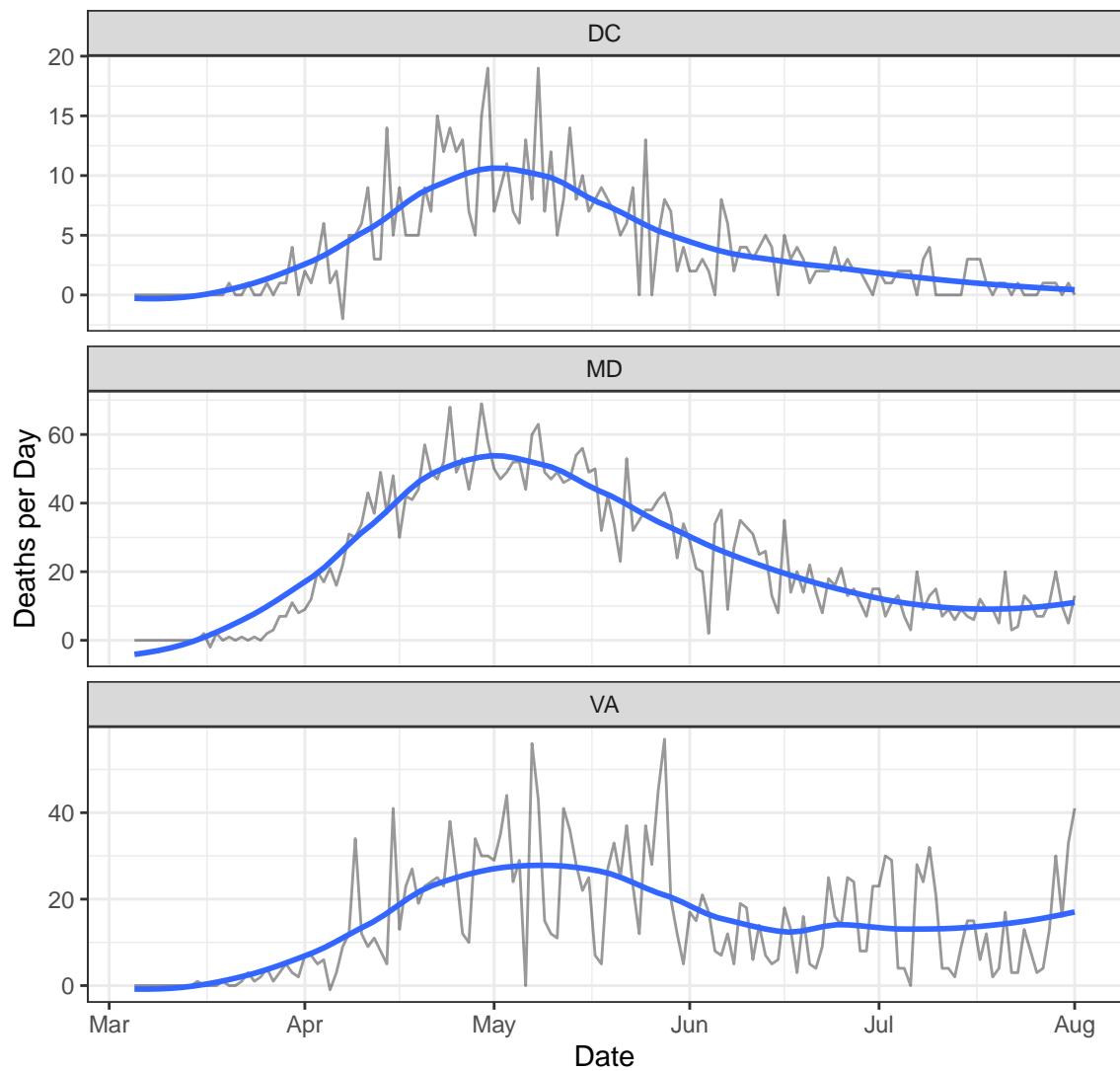
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	12,205	585	79	0
MD	89,365	3,506	1,019	13
VA	90,801	2,215	913	41

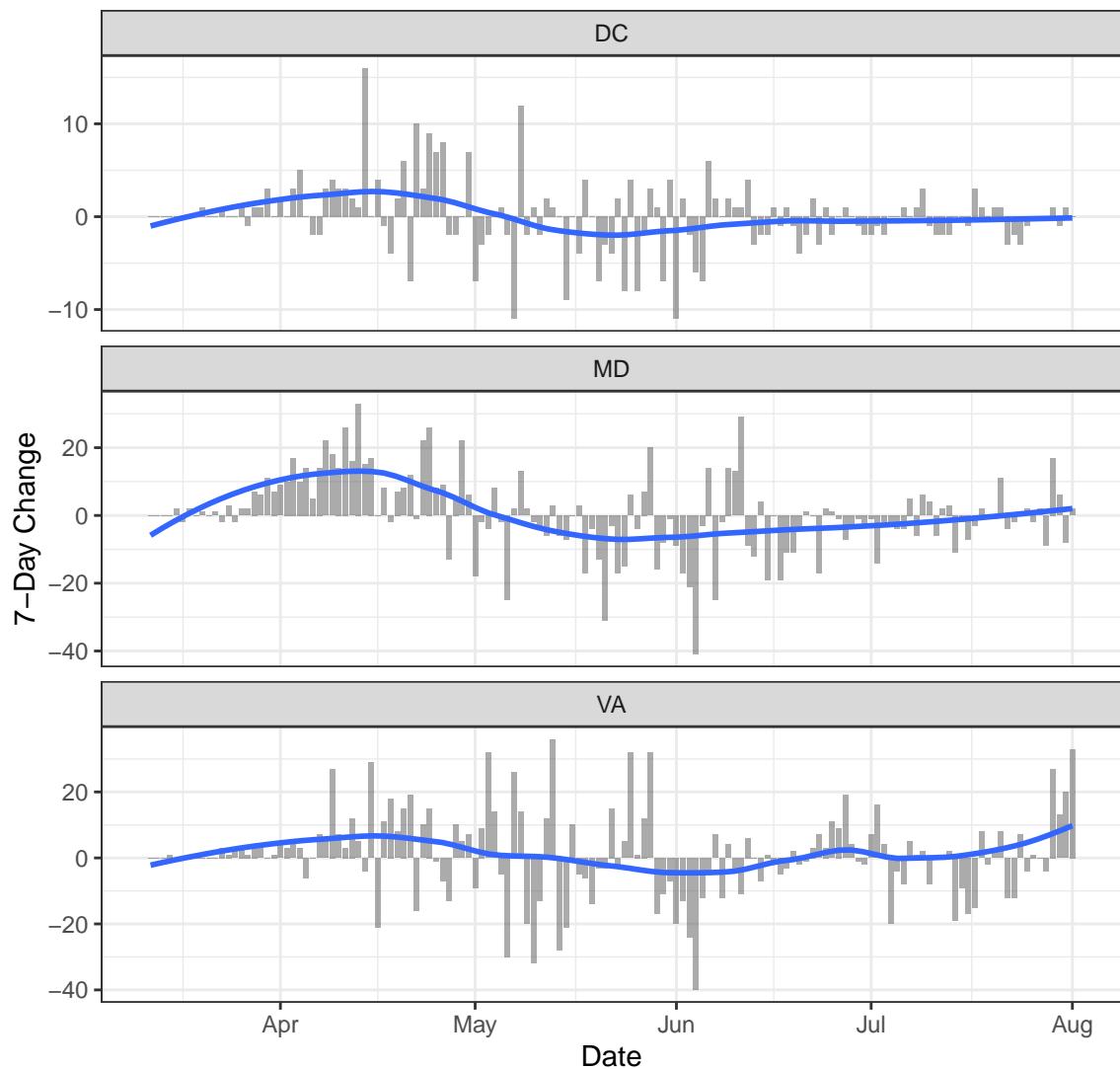
Deaths

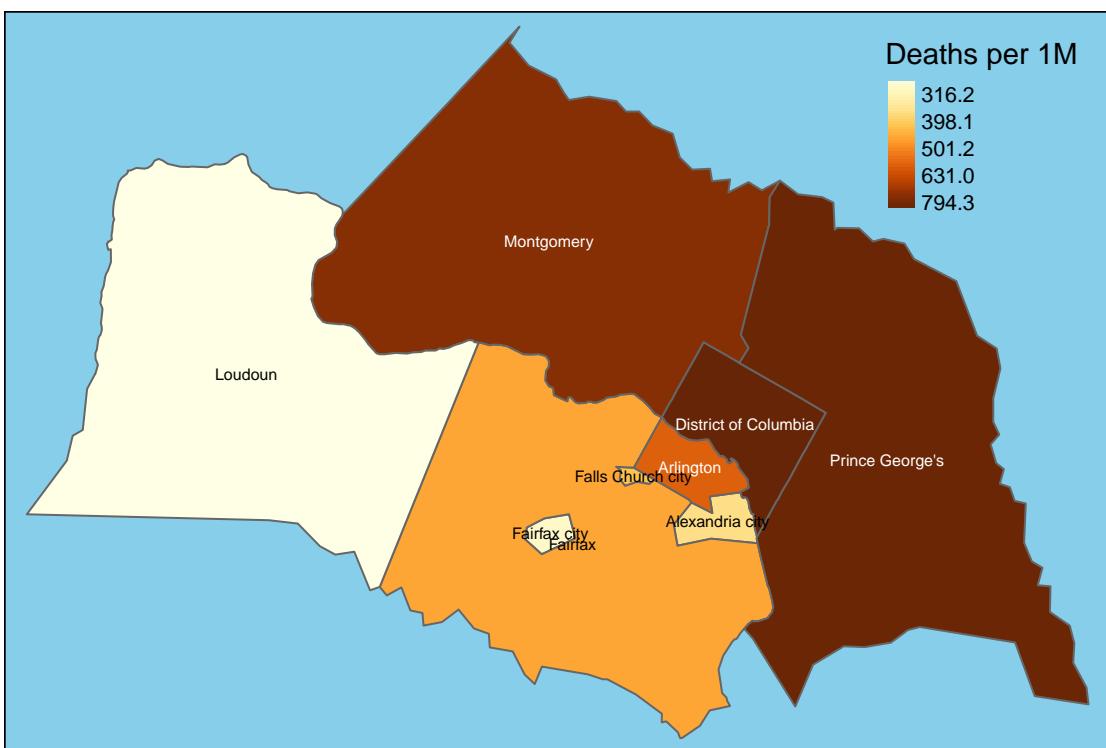
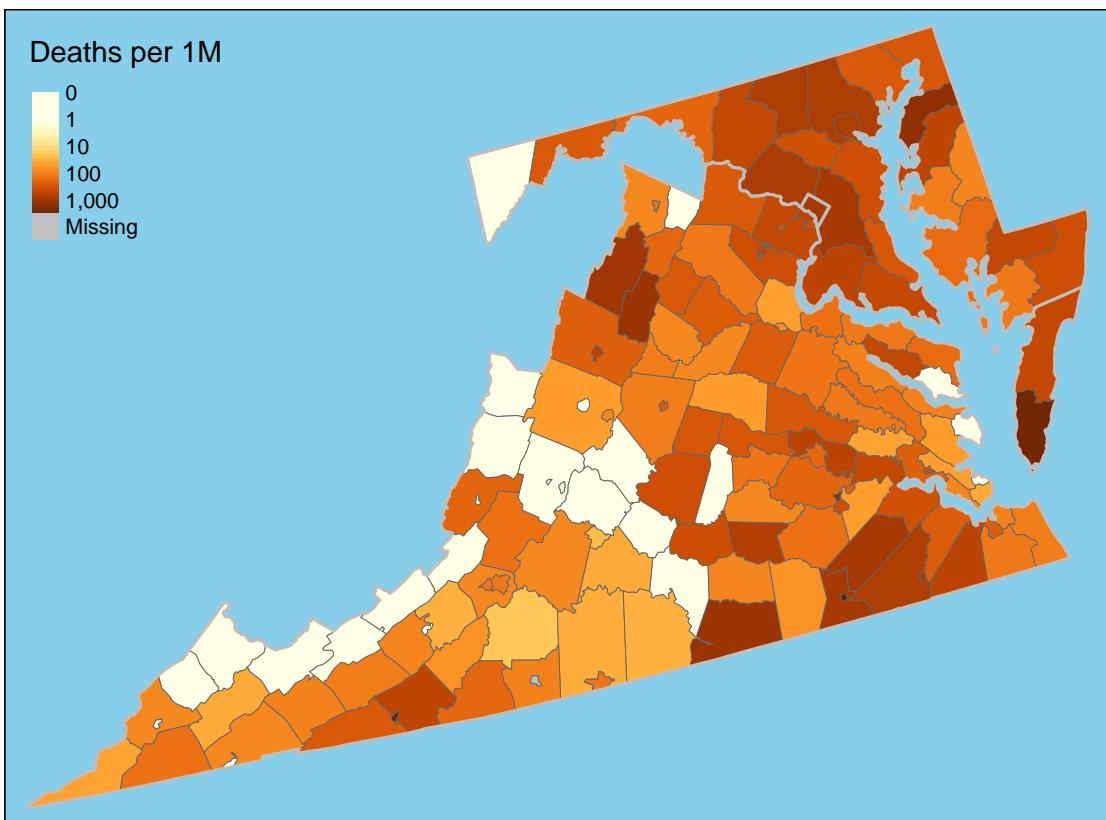


New Deaths

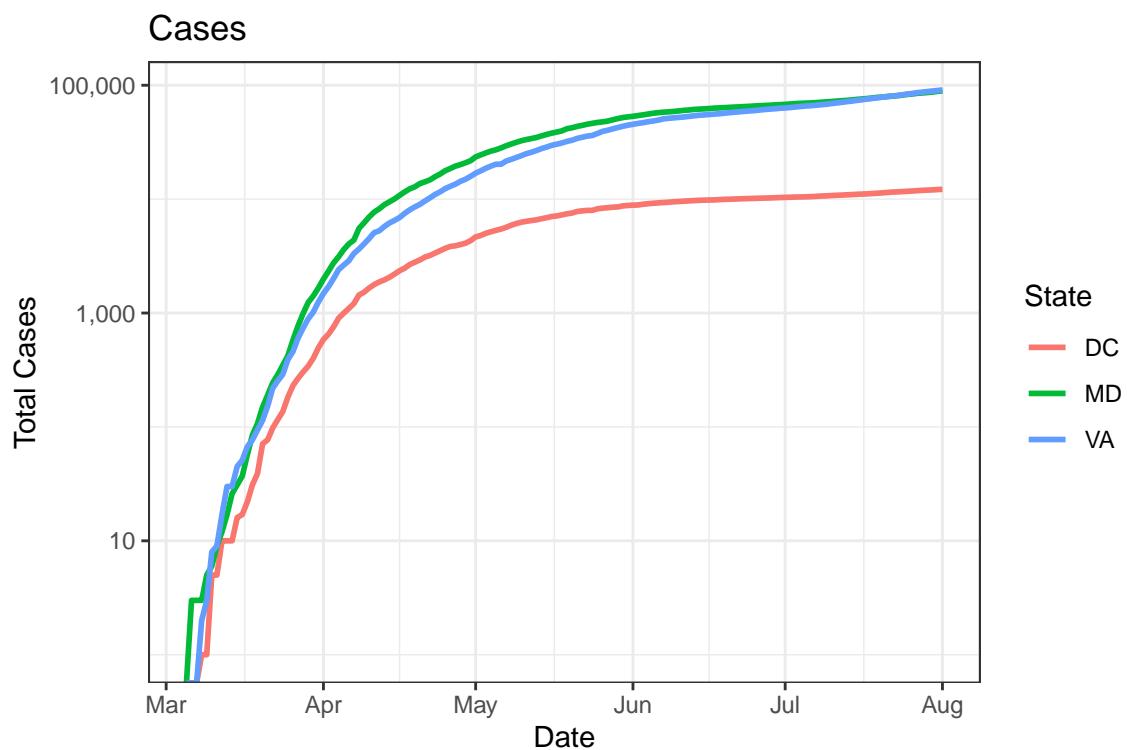


One-Week Change in Daily Deaths

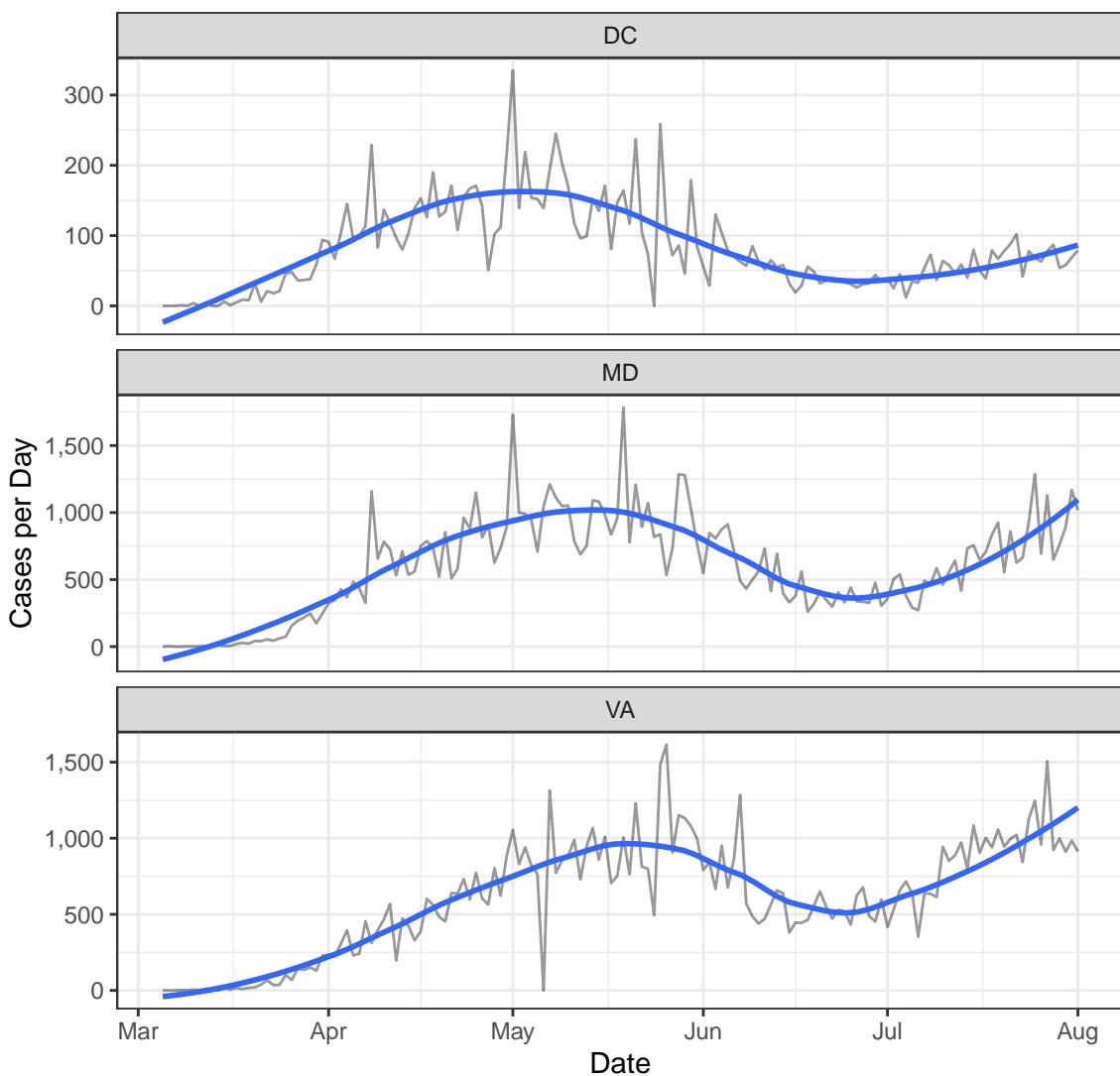




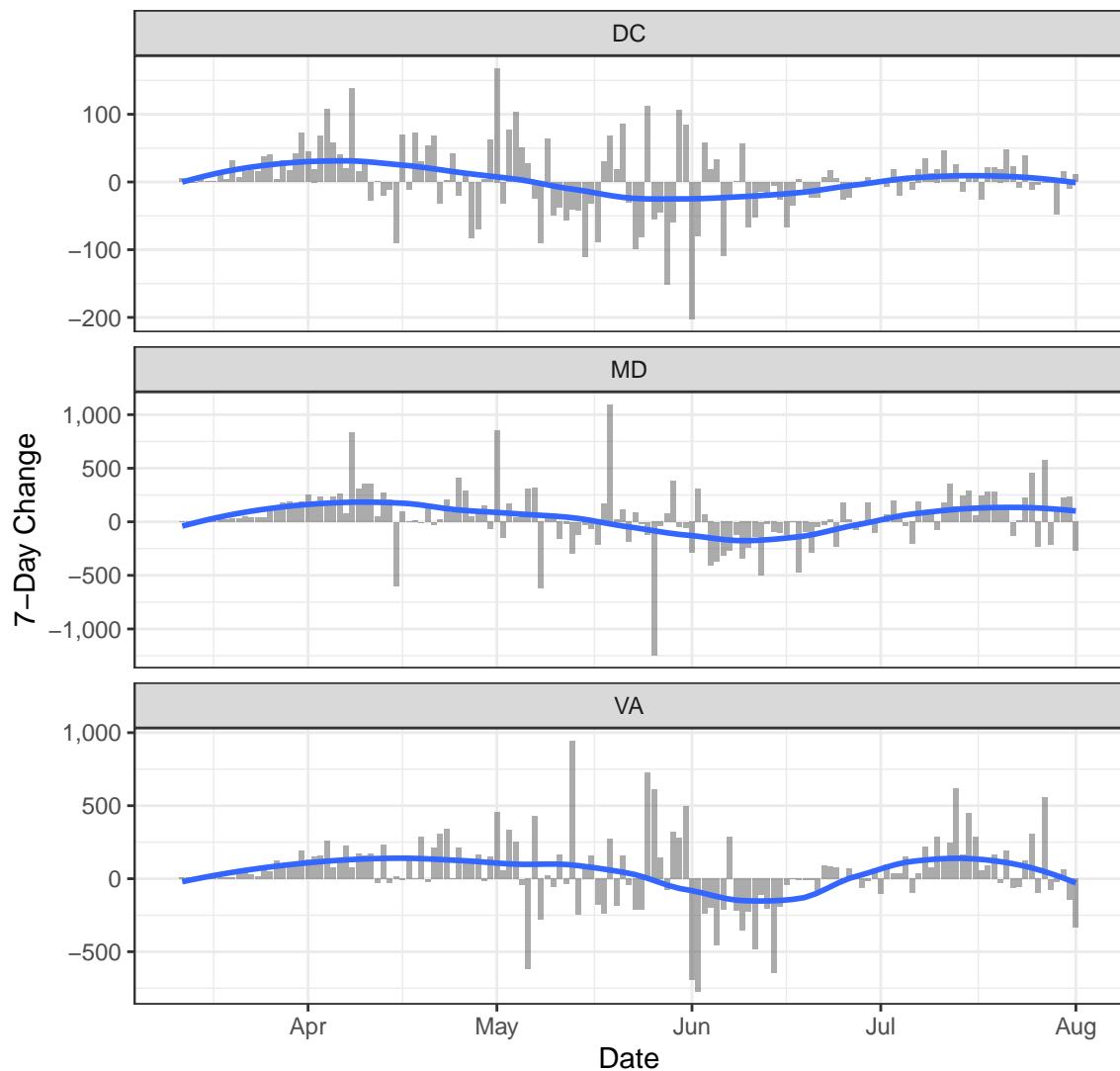
Cases

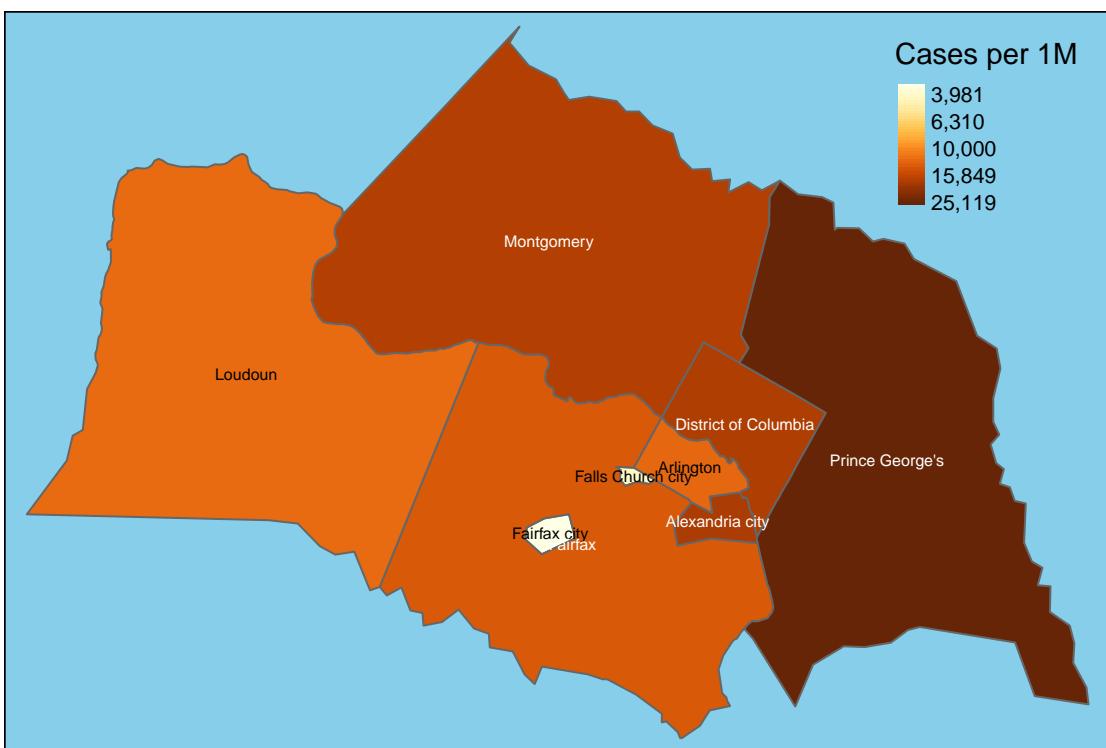
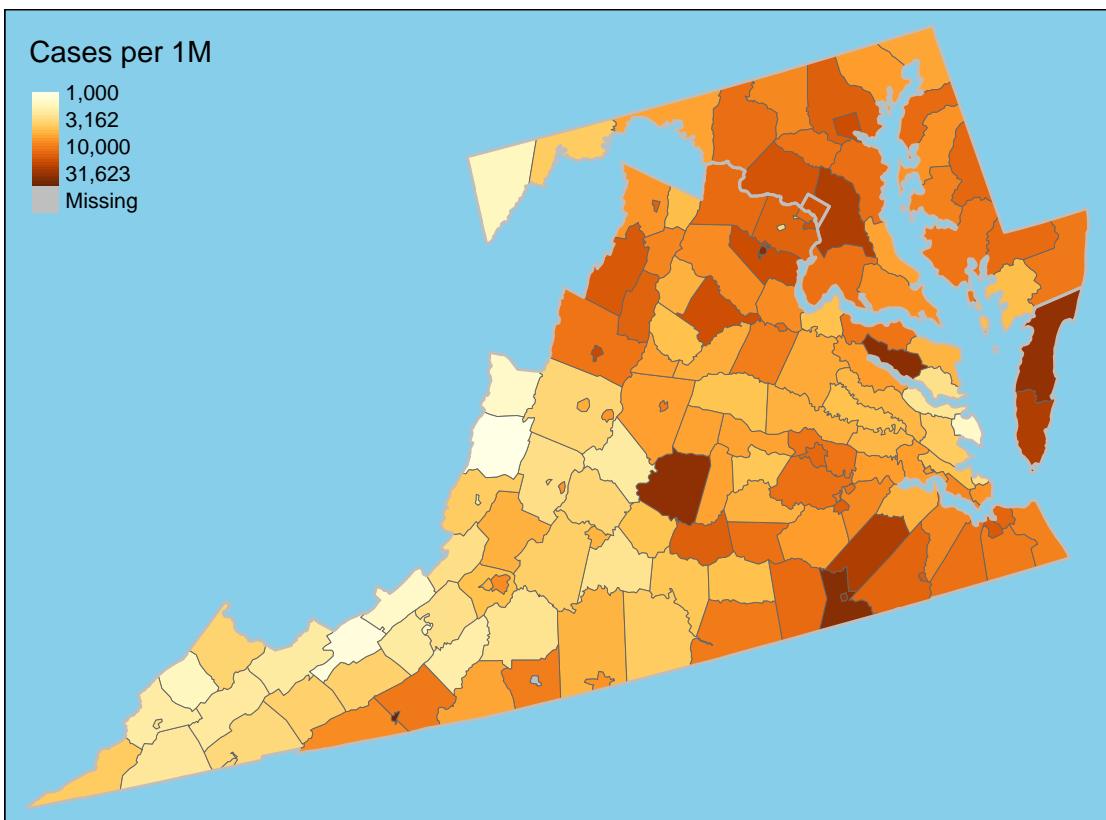


New Cases

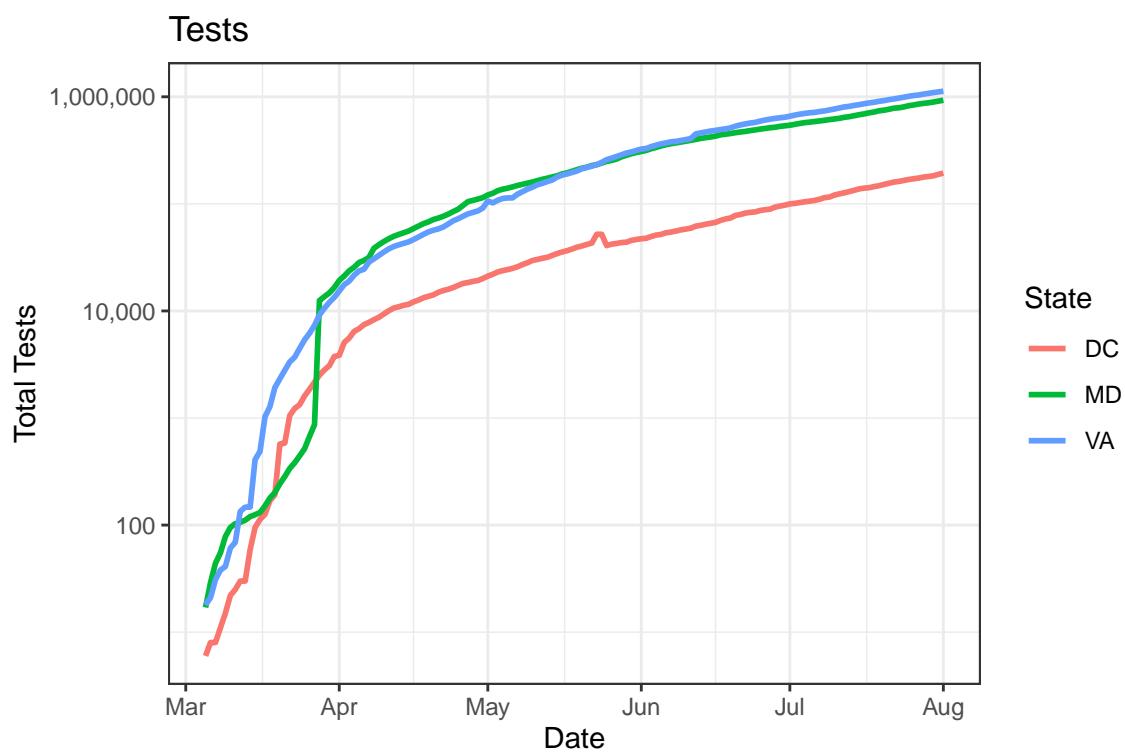


One-Week Change in Daily Cases

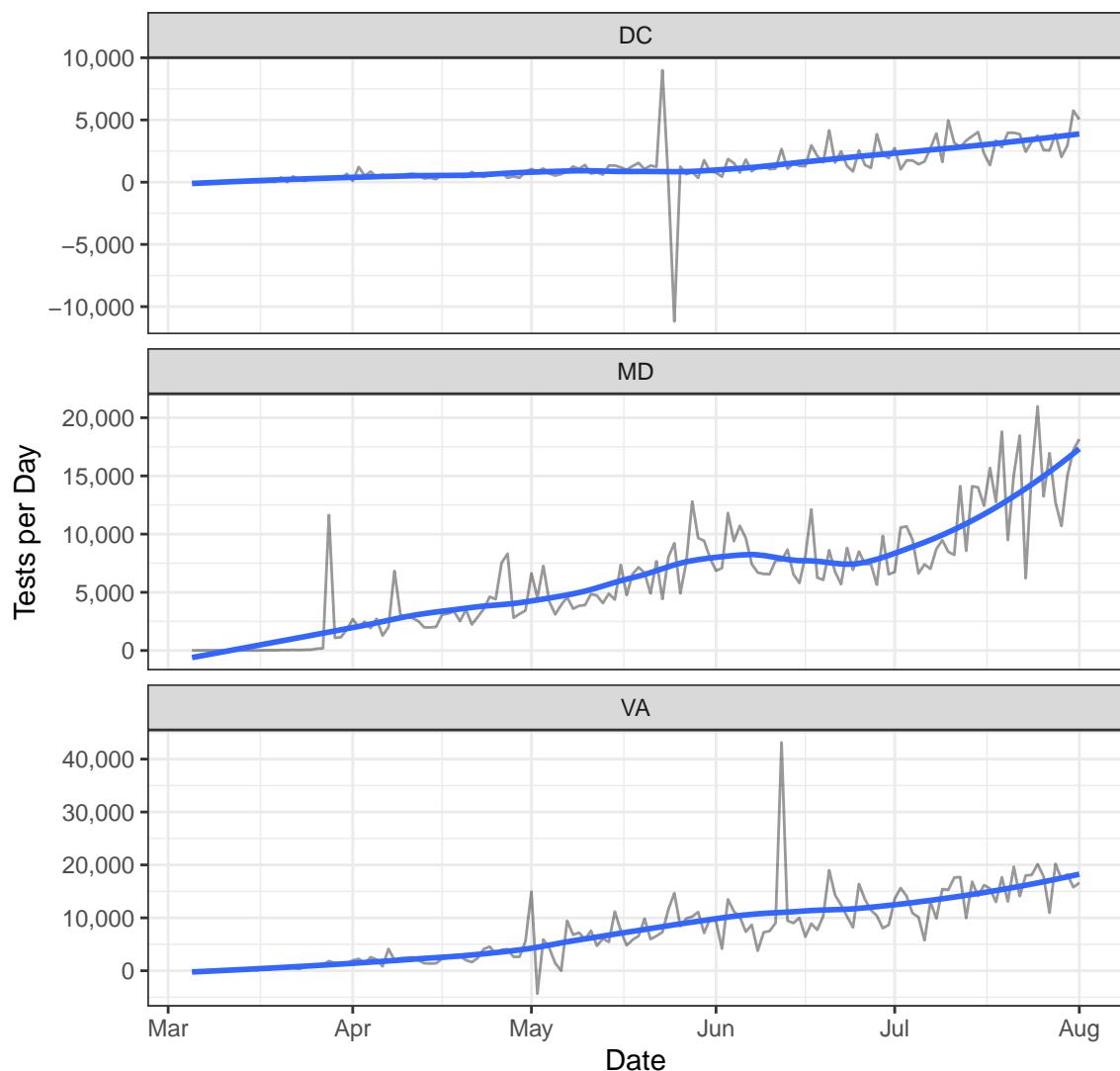




Testing



New Tests



Positive Test Rate

