

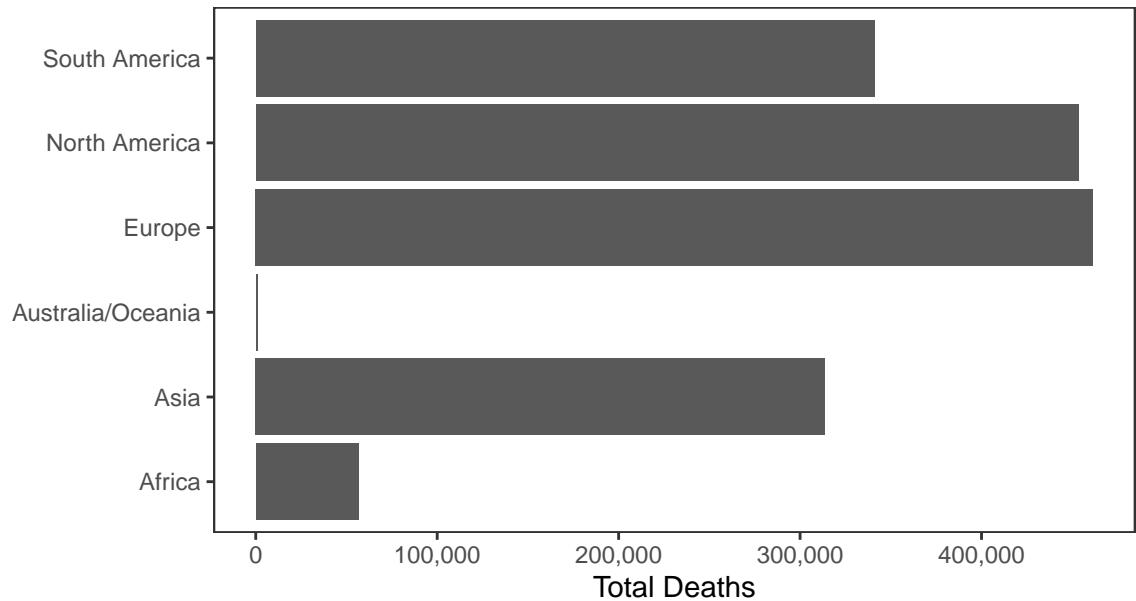
Erik's Covid-19 Chart Pack

Data updated 2020-12-15 08:59:14. 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 73,202,563 confirmed Covid-19 cases and 1,627,627 deaths worldwide.

Deaths



Cases

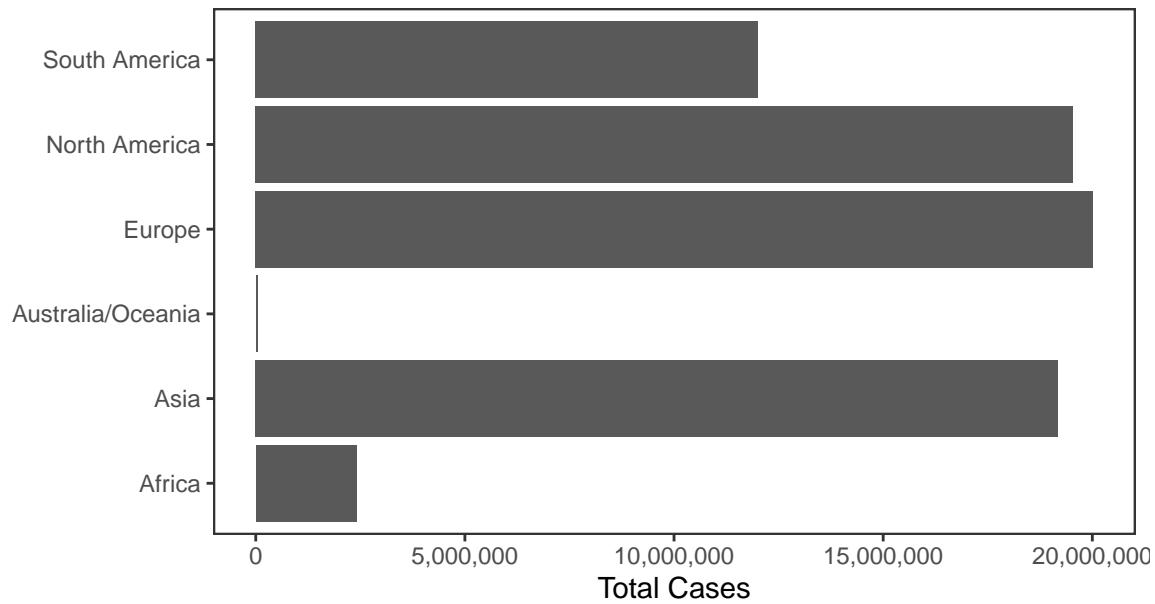
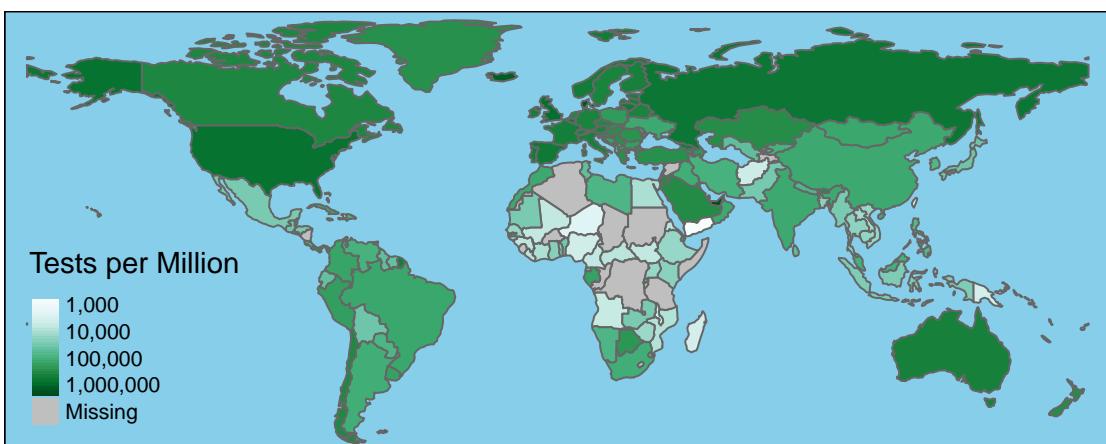
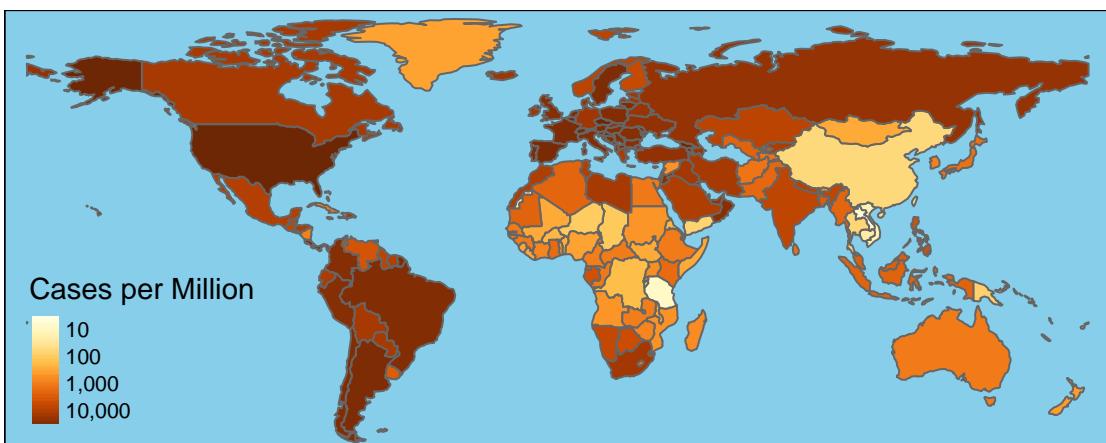
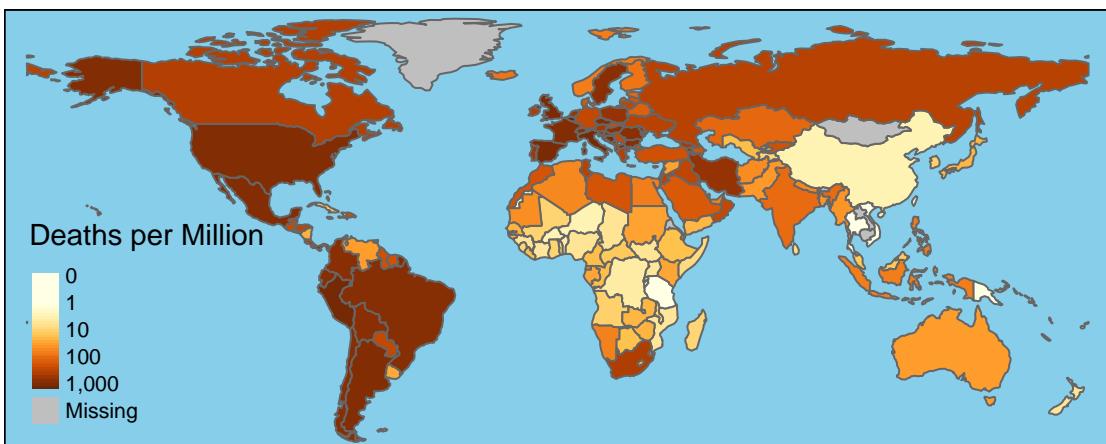


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	16,942,980	308,091	198,805	1,621
India	9,906,507	143,746	21,791	353
Brazil	6,929,409	181,945	27,419	526
Russia	2,681,256	47,391	27,328	450
France	2,379,915	58,282	3,063	371
UK	1,869,666	64,402	20,263	232
Turkey	1,866,345	16,646	29,617	229
Italy	1,855,737	65,011	12,030	491
Spain	1,762,036	48,013	7,967	129
Argentina	1,503,222	41,041	5,062	275
Colombia	1,434,516	39,195	8,742	142
Germany	1,357,141	22,887	18,658	481
Mexico	1,250,044	113,953	8,608	249
Poland	1,140,539	22,960	4,863	96
Iran	1,115,770	52,447	7,501	251
Peru	986,130	36,754	1,157	77
Ukraine	900,666	15,247	6,451	93
South Africa	866,127	23,451	5,163	175
Indonesia	623,309	18,956	5,489	137
Netherlands	621,944	10,082	8,457	34



National Data

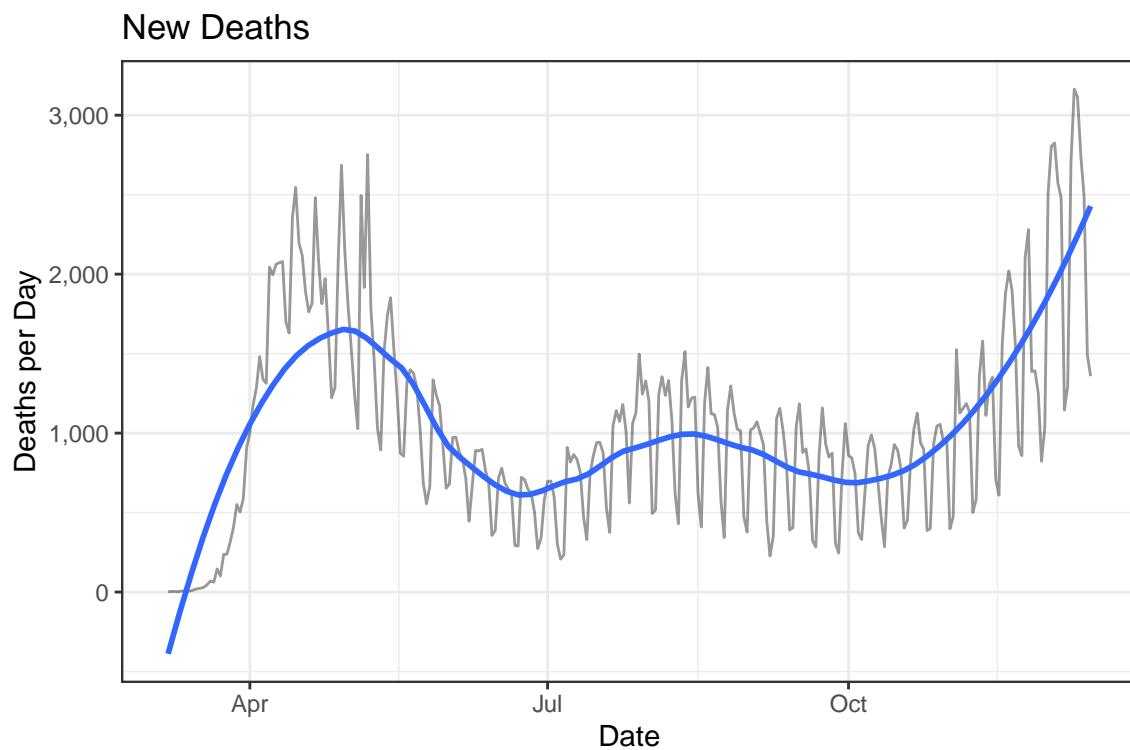
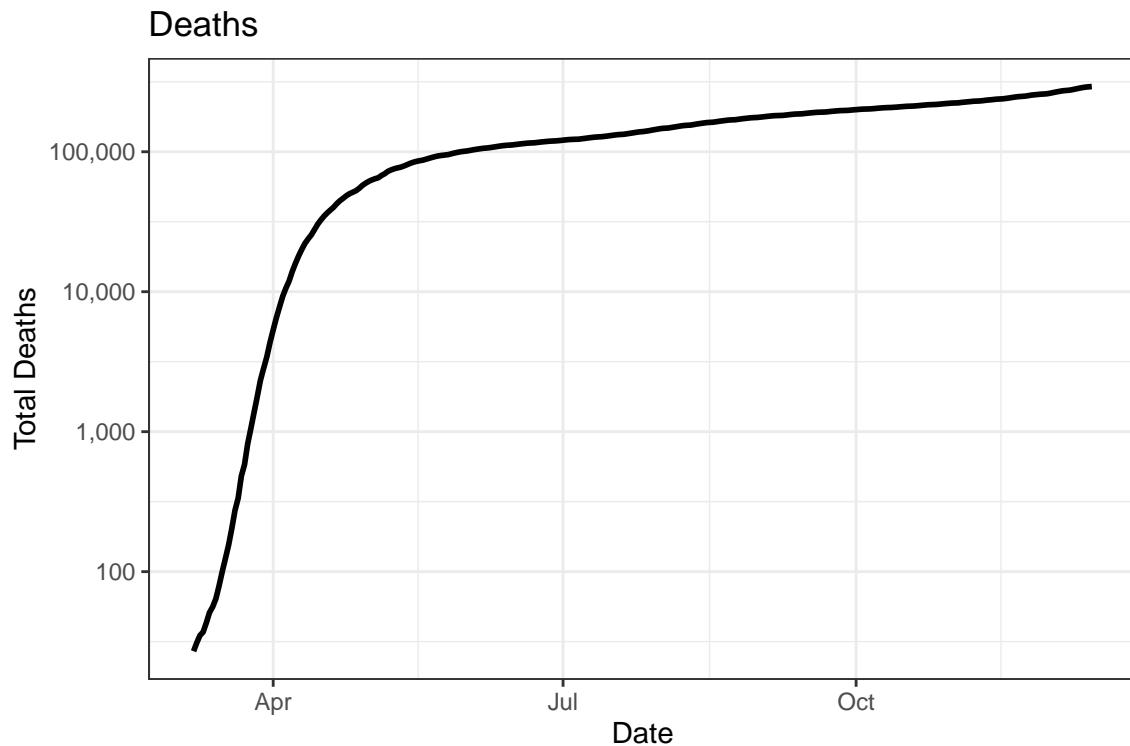
There have been 16,339,404 confirmed Covid-19 cases and 292,404 deaths in the United States.

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

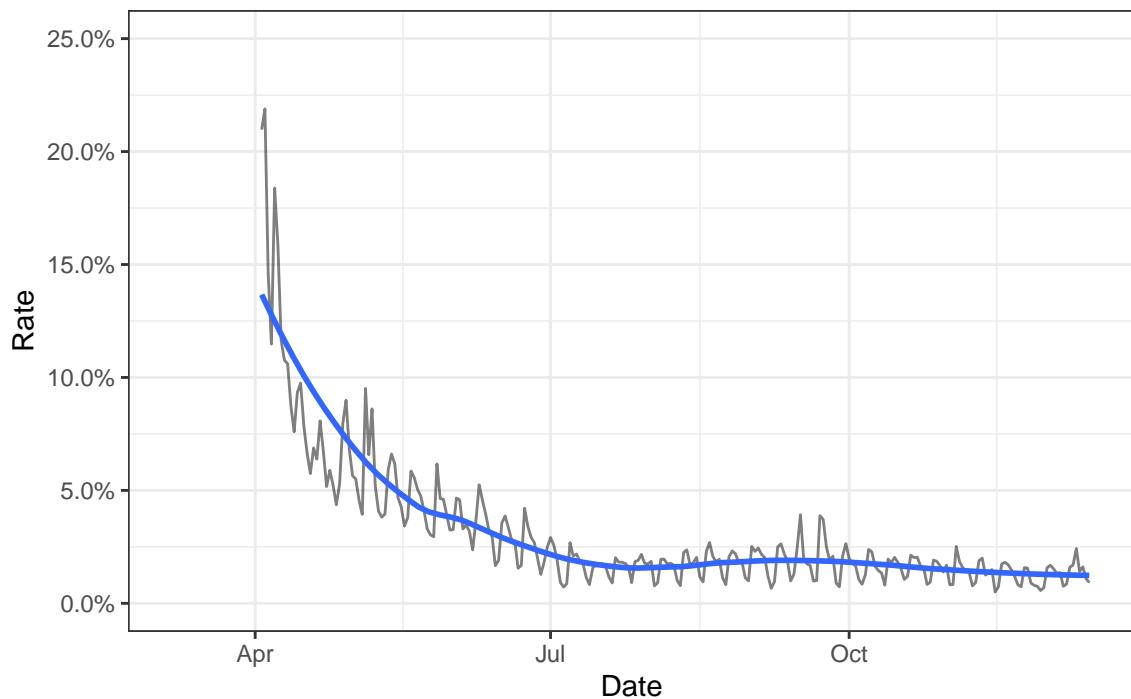
Date	Cases	Deaths	New Cases	New Deaths
2020-12-14	16,339,404	292,404	193,384	1,358
2020-12-13	16,146,020	291,046	187,754	1,494
2020-12-12	15,958,266	289,552	225,196	2,494
2020-12-11	15,733,070	287,058	234,810	2,749
2020-12-10	15,498,260	284,309	218,510	3,115
2020-12-09	15,279,750	281,194	213,456	3,164
2020-12-08	15,066,294	278,030	220,887	2,703
2020-12-07	14,845,407	275,327	180,819	1,297
2020-12-06	14,664,588	274,030	179,619	1,145
2020-12-05	14,484,969	272,885	215,393	2,480
2020-12-04	14,269,576	270,405	227,975	2,573
2020-12-03	14,041,601	267,832	213,364	2,825
2020-12-02	13,828,237	265,007	198,665	2,804
2020-12-01	13,629,572	262,203	179,217	2,506

Deaths

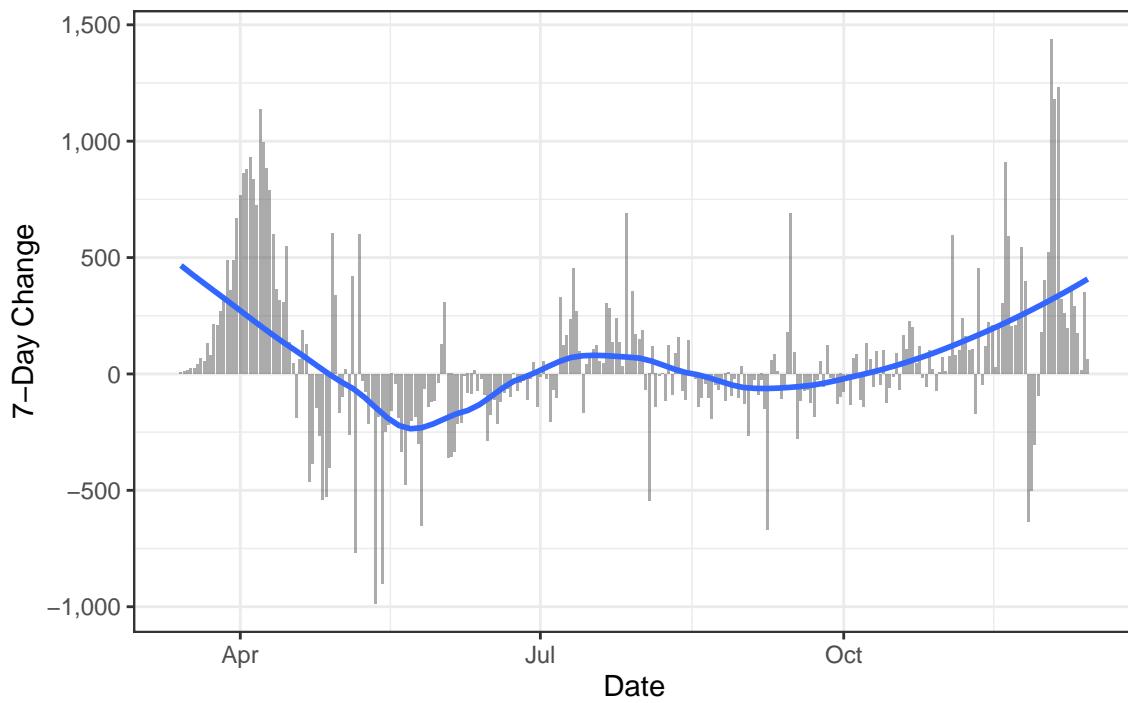
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

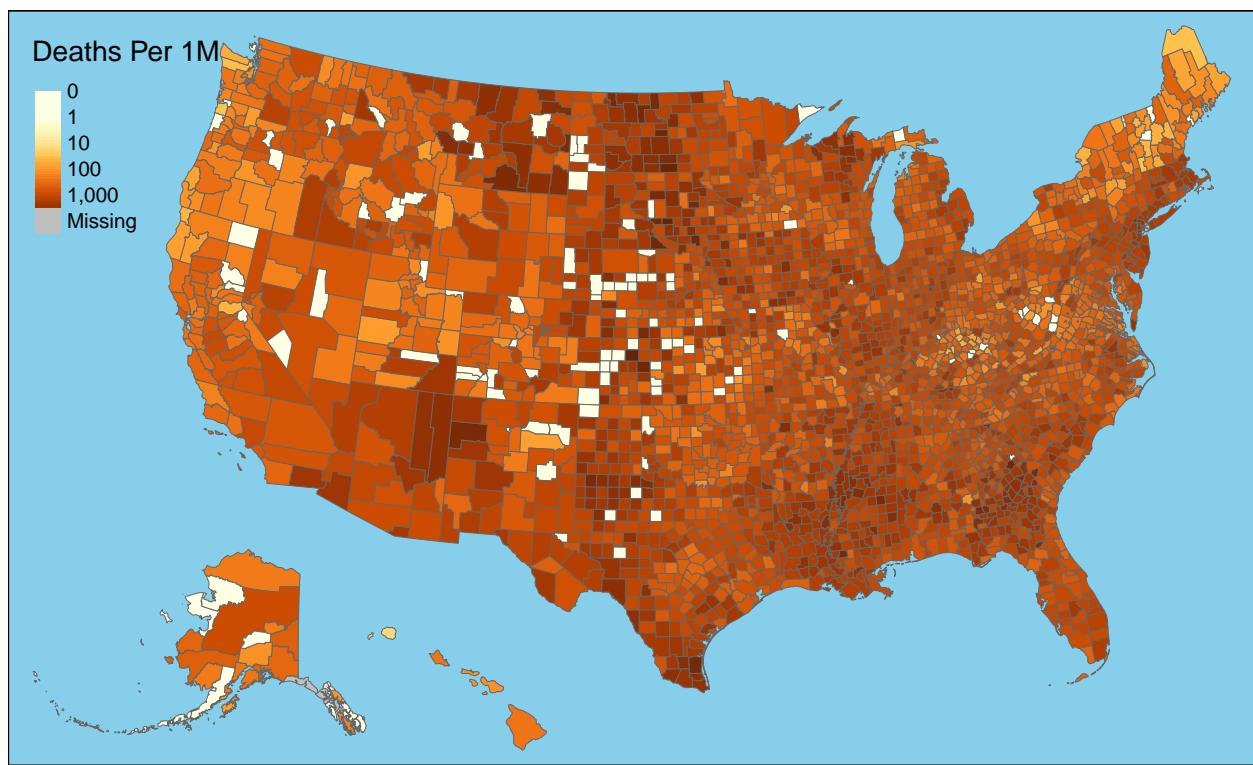


Daily Case Mortality Rate



One-Week Change in Daily Deaths

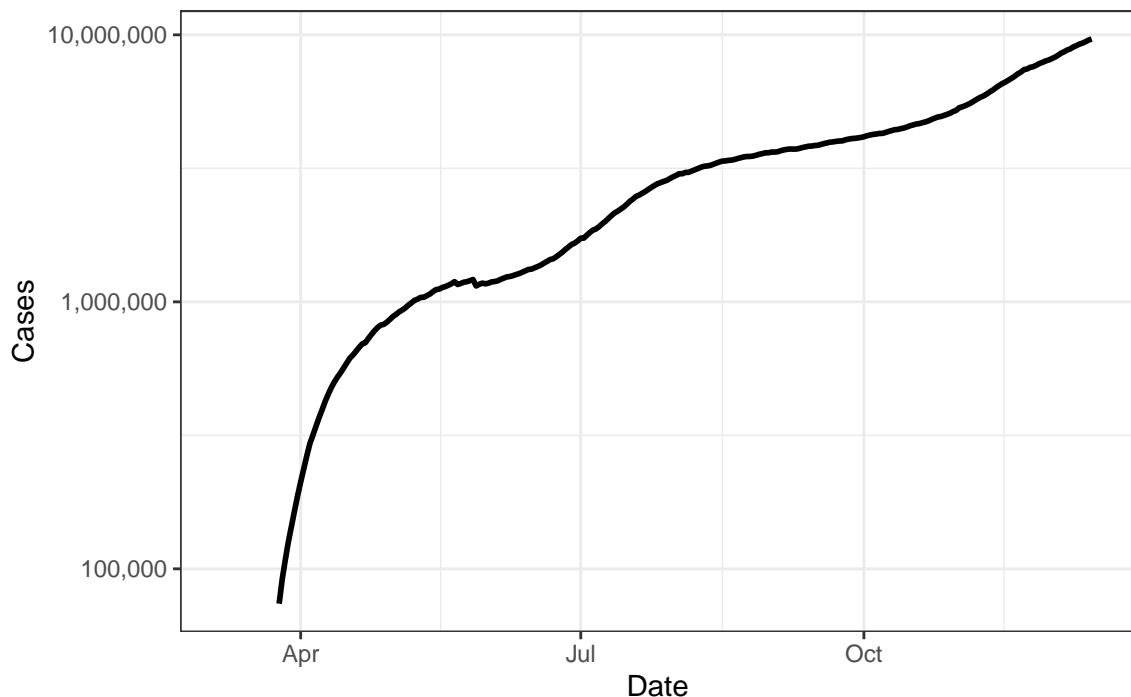




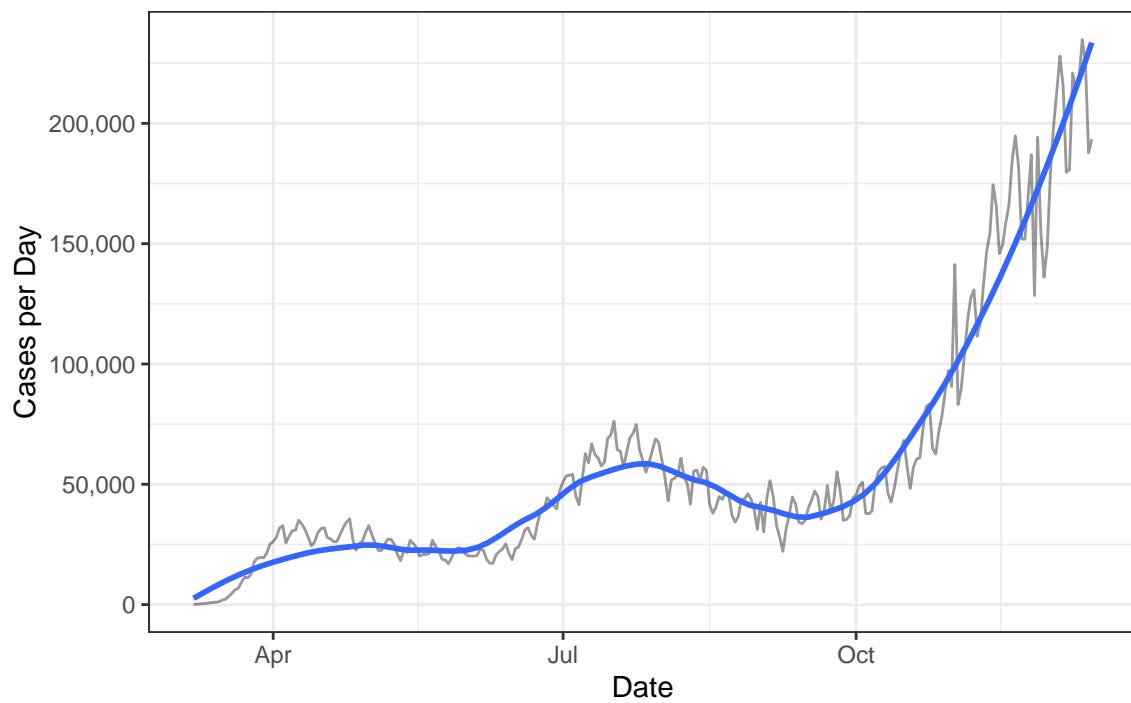
Cases

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

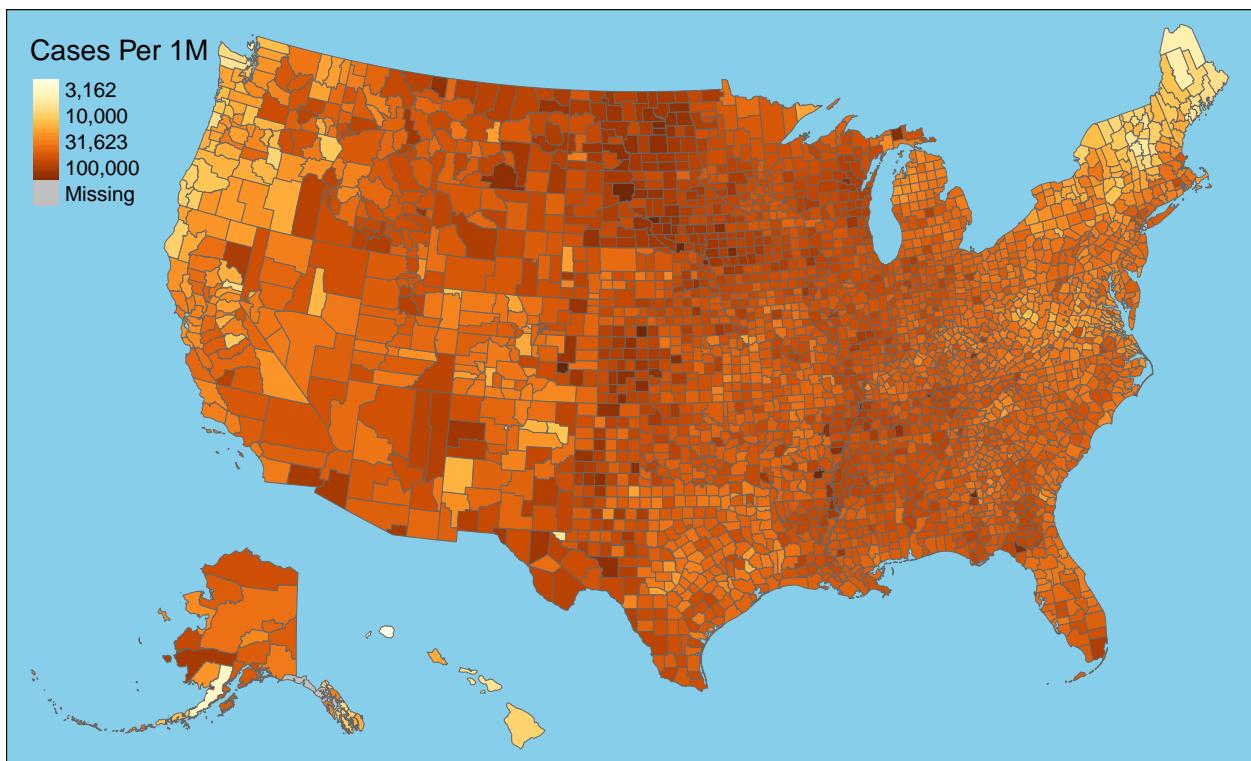
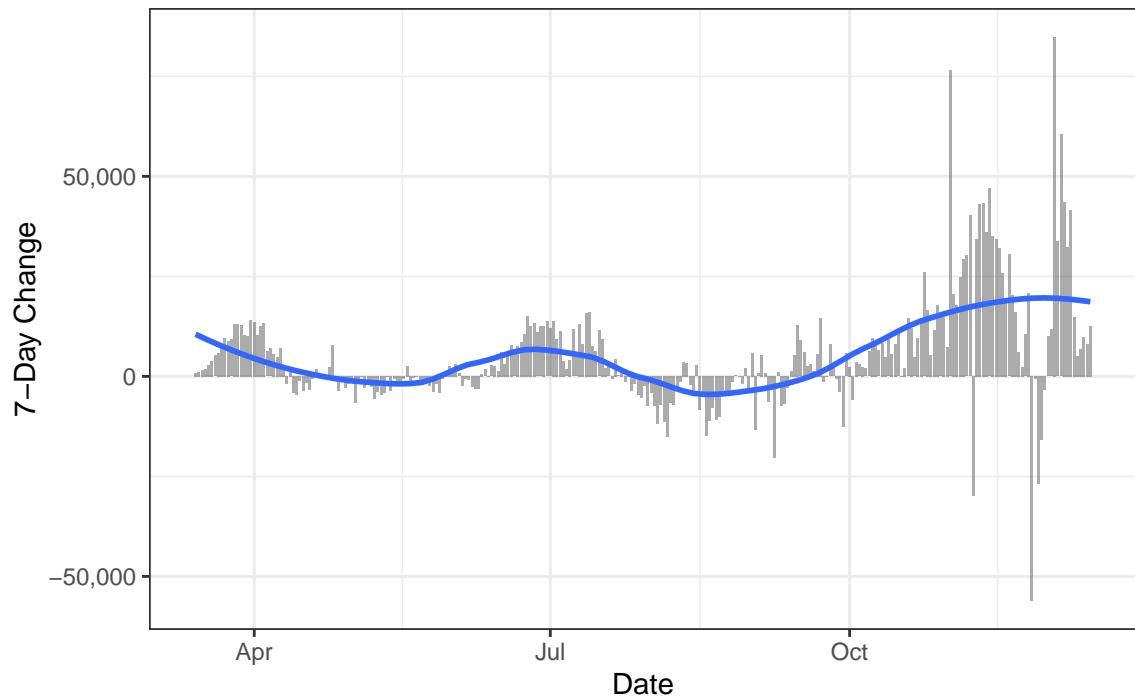
Active Cases



New Cases

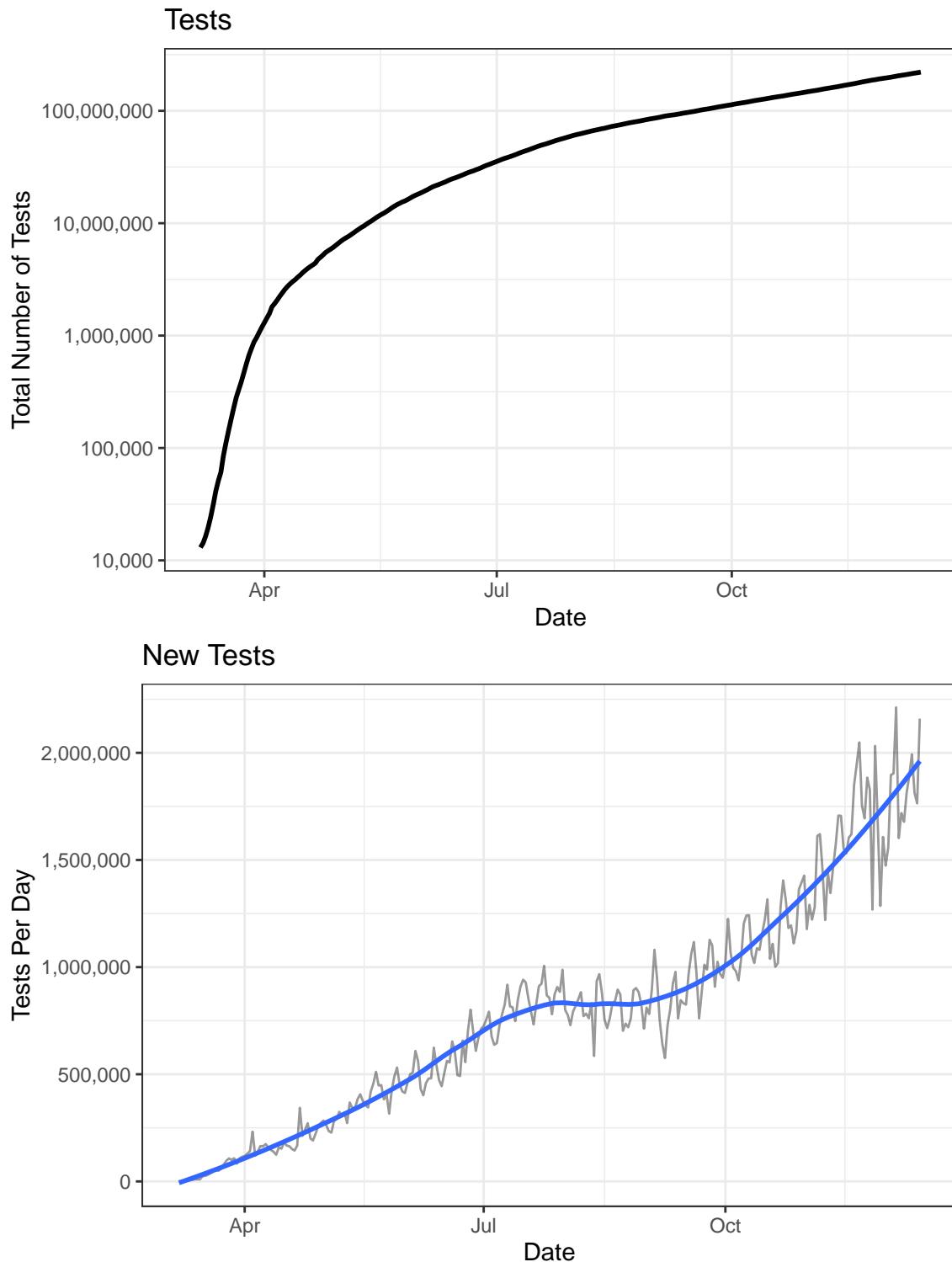


One-Week Change in Daily Cases

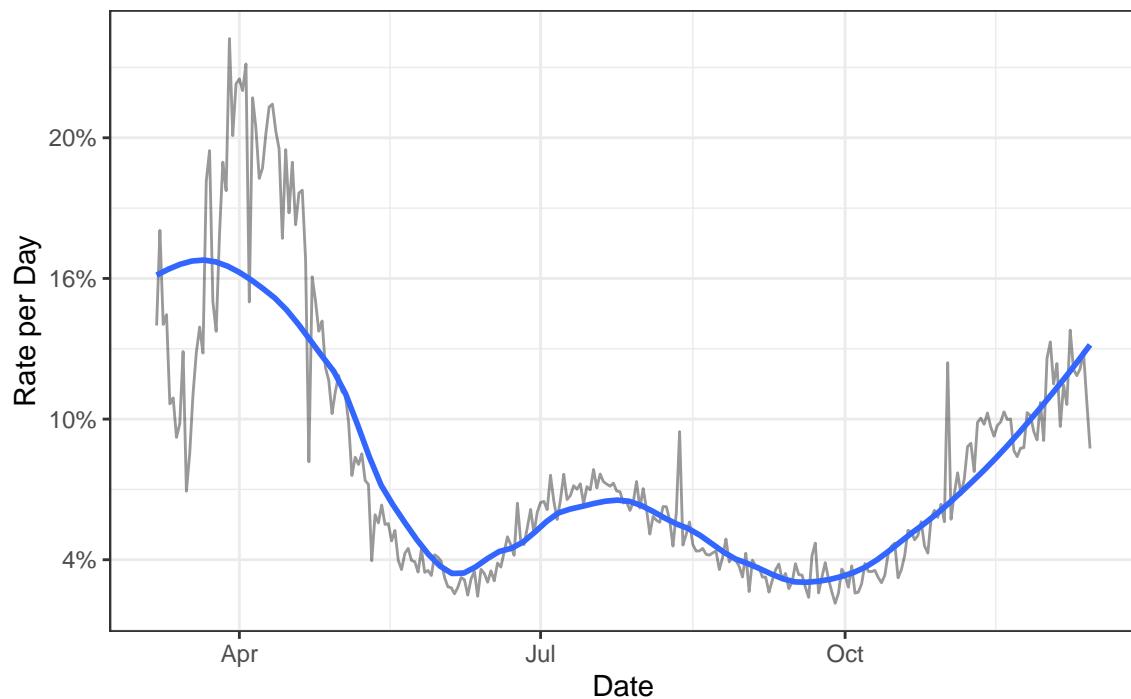


Testing

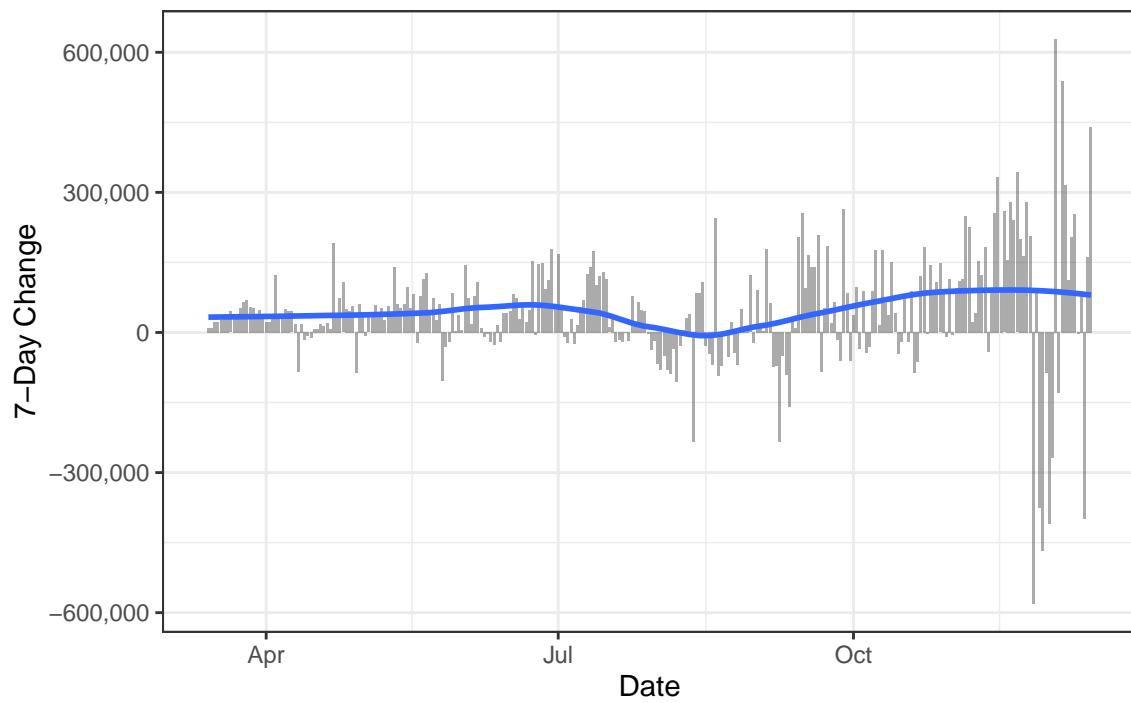
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

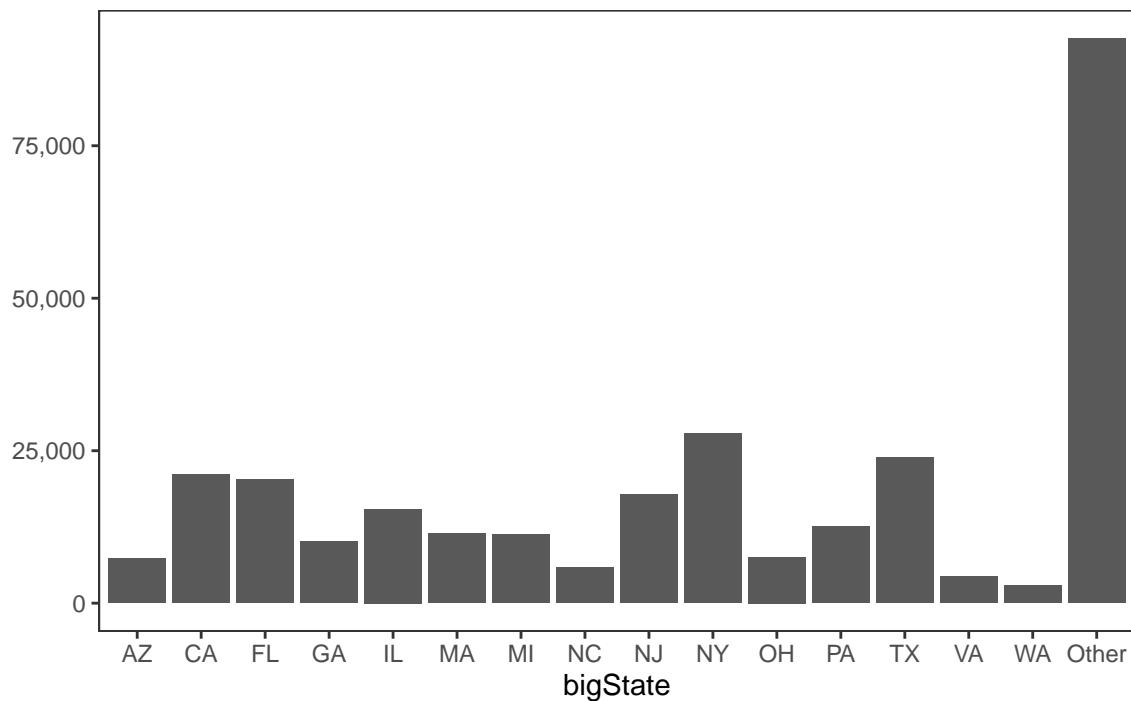


State Data

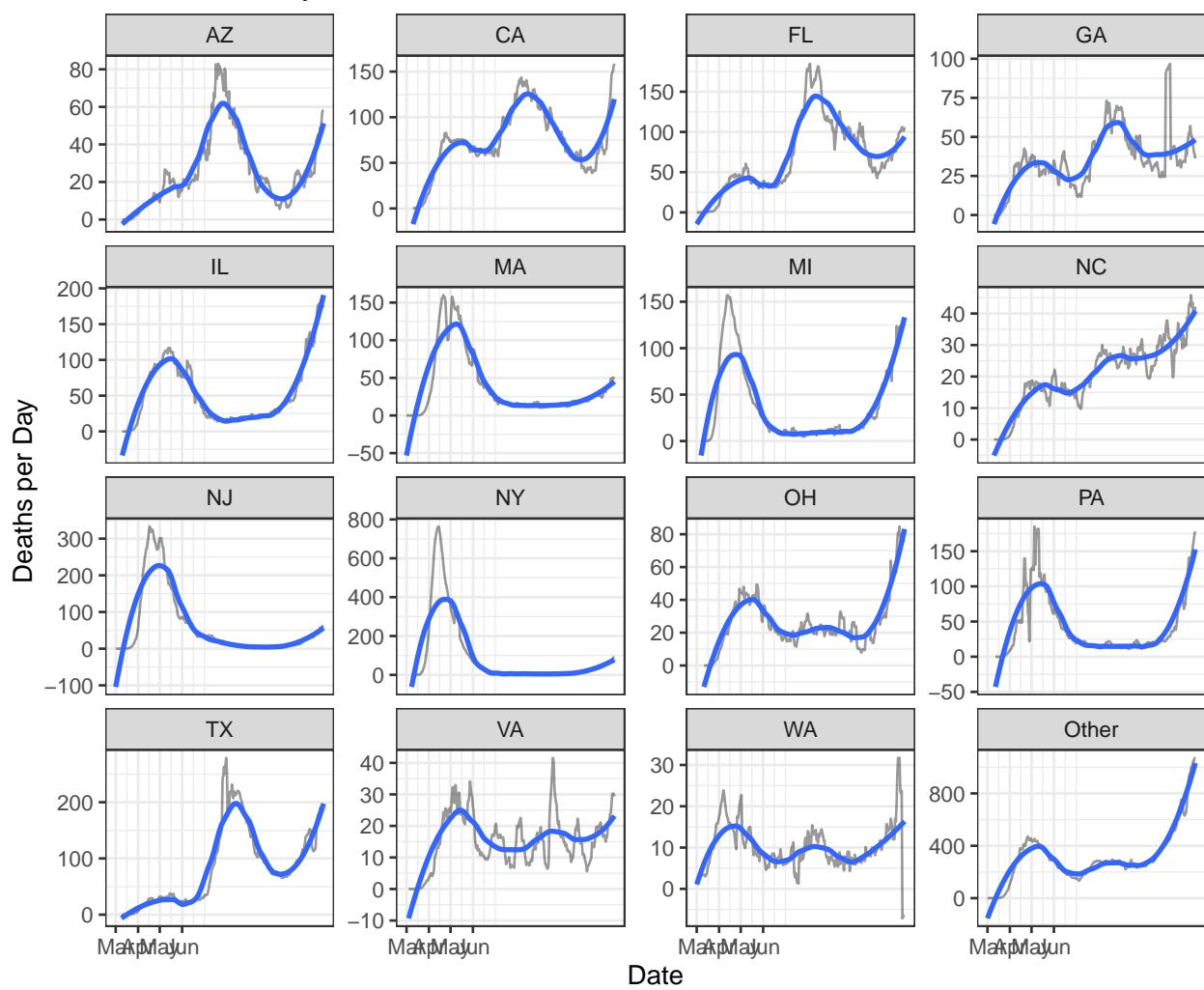
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

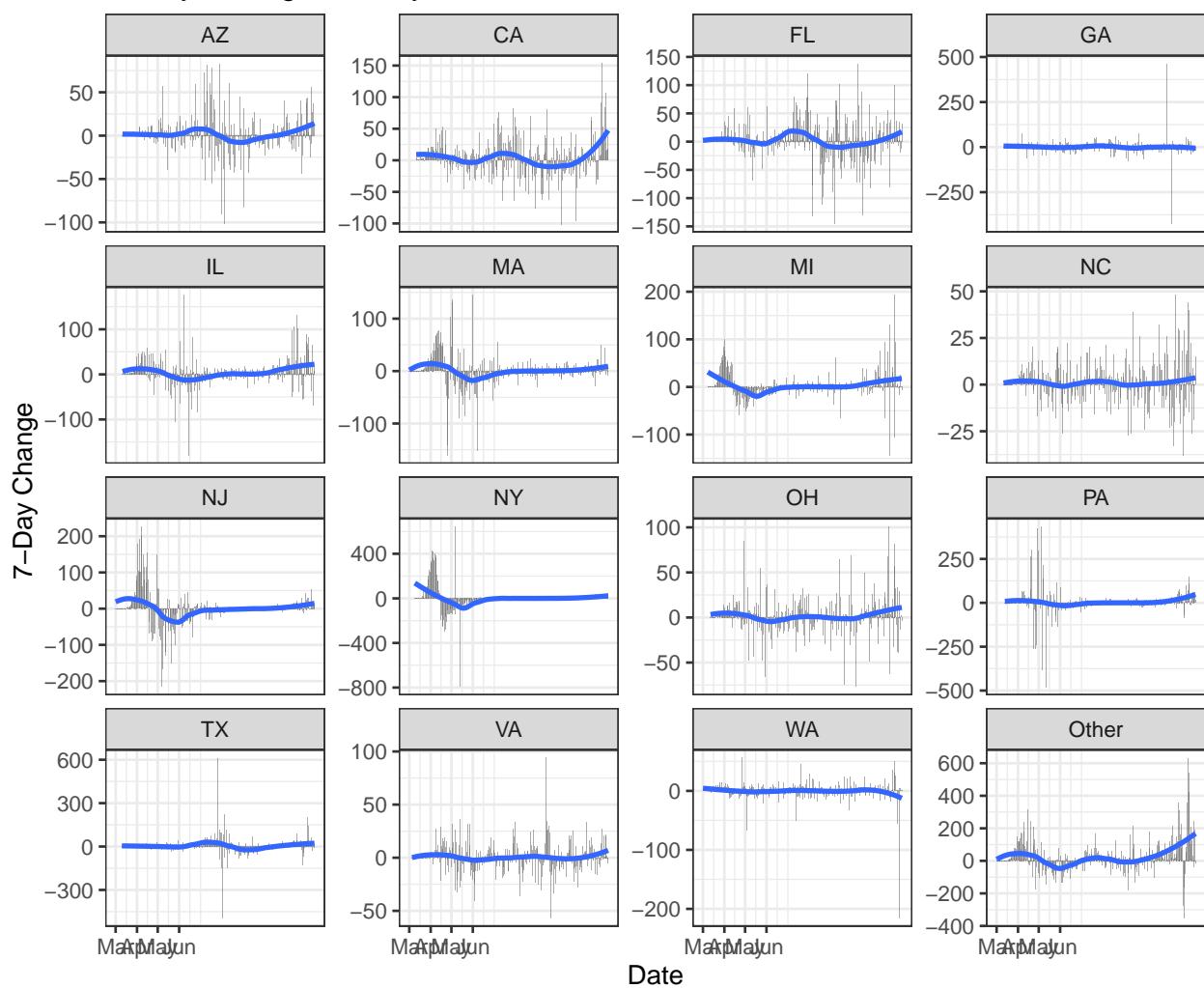
Deaths by State

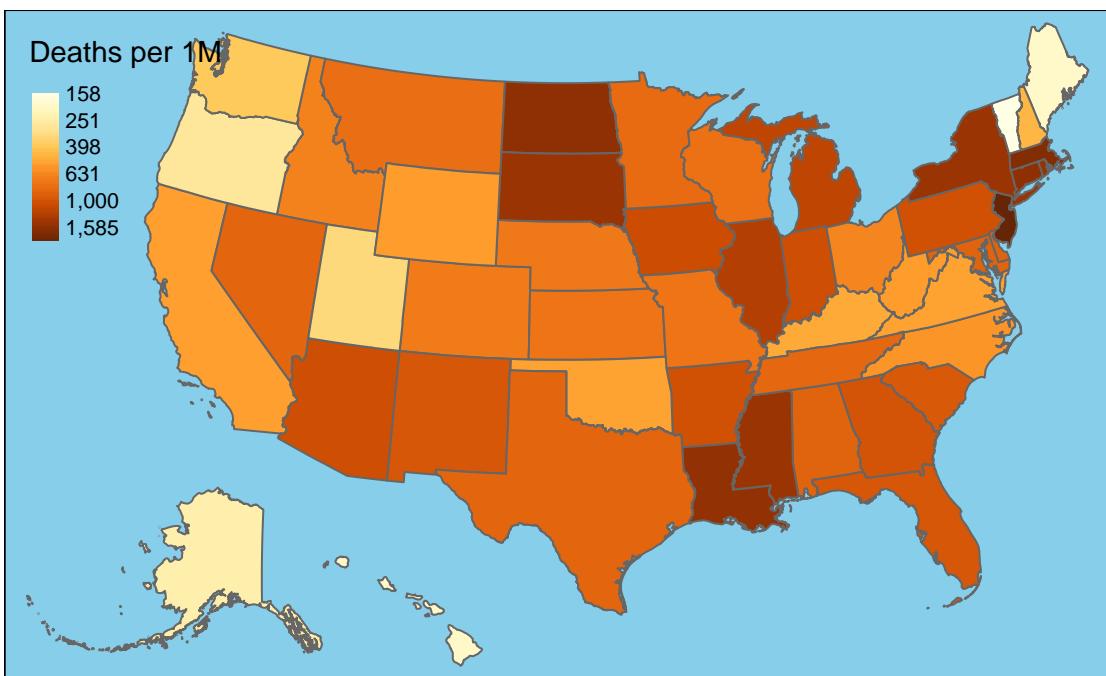
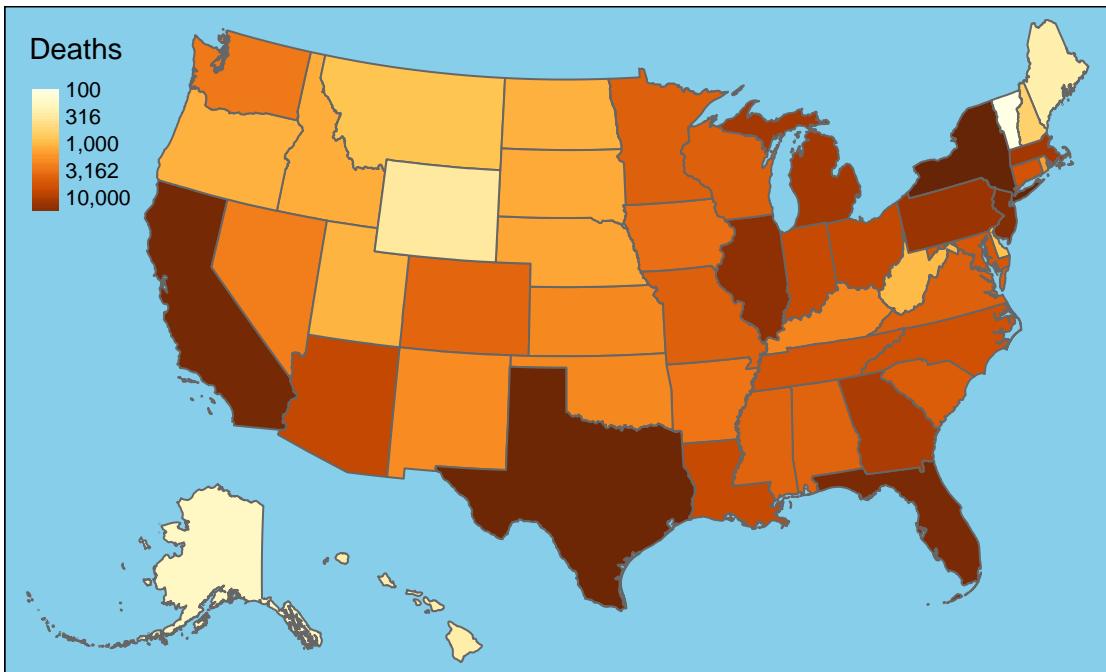


New Deaths by State



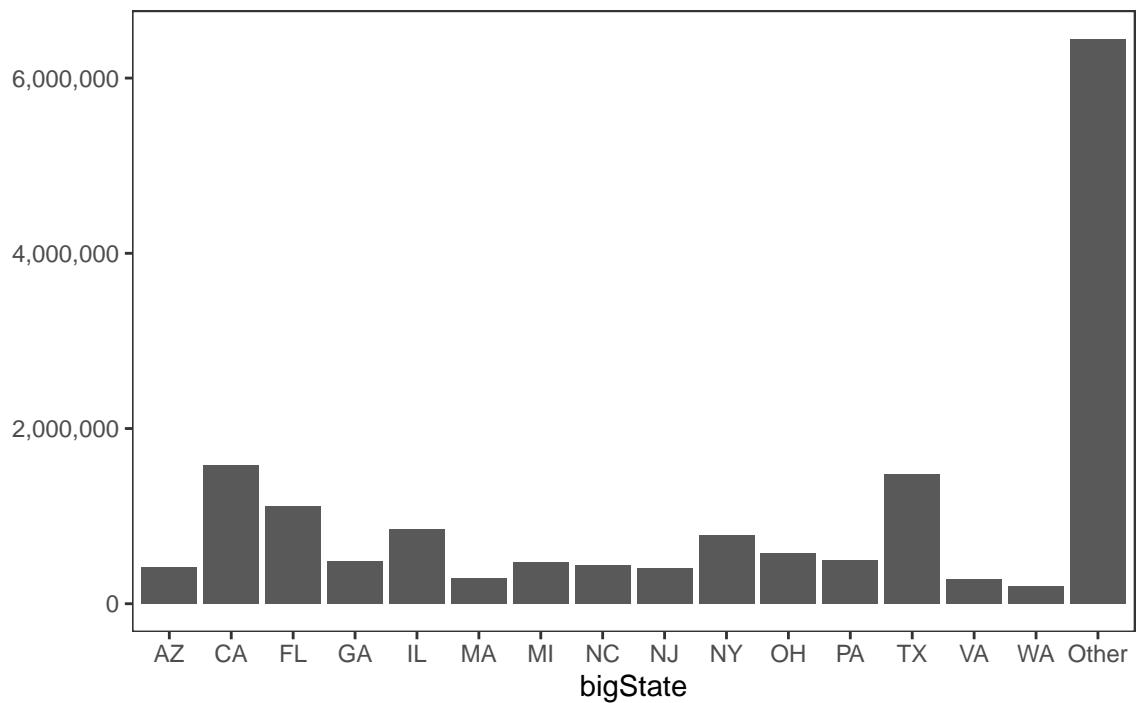
7-Day Change in Daily Deaths



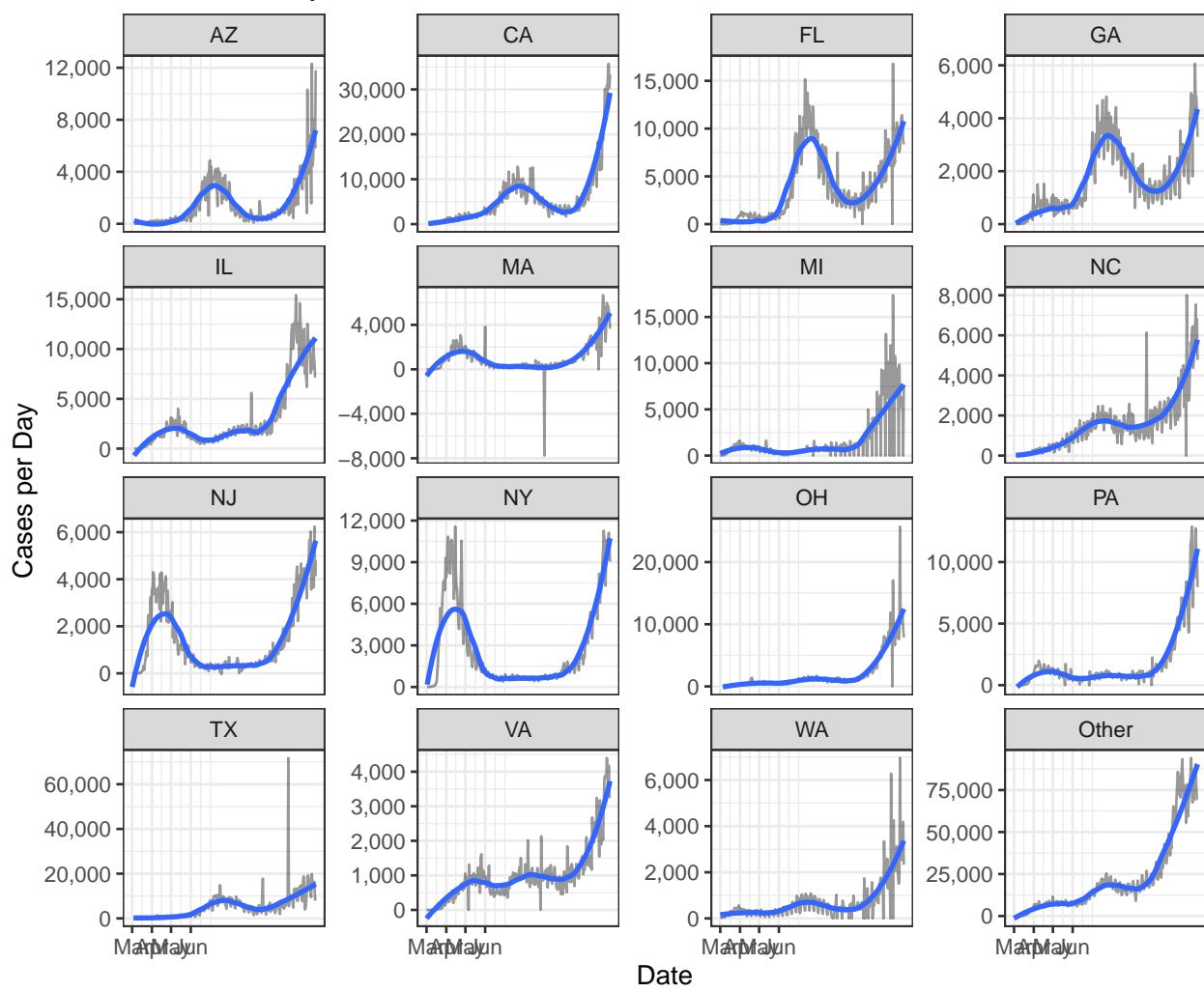


Cases

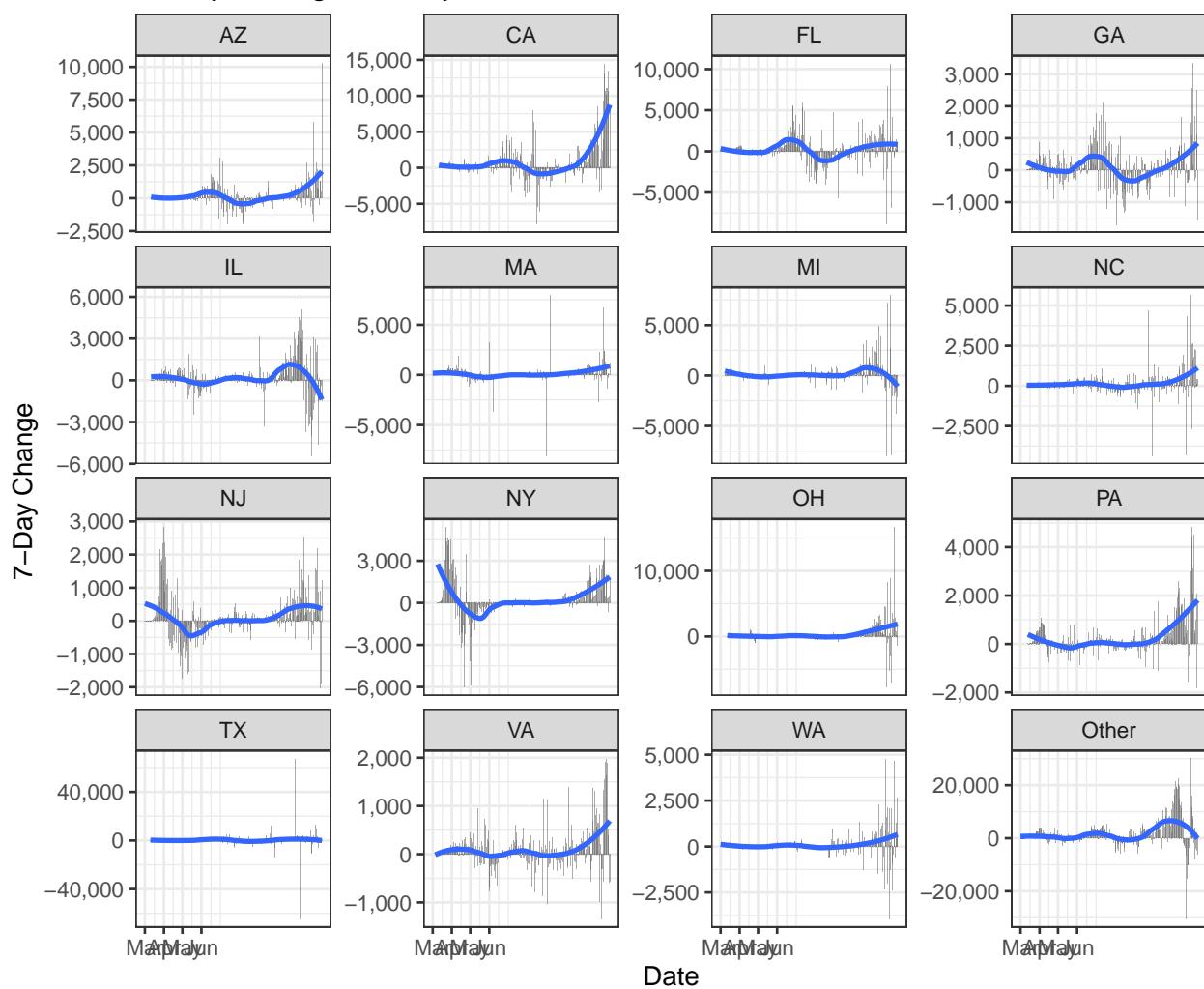
Cases by State

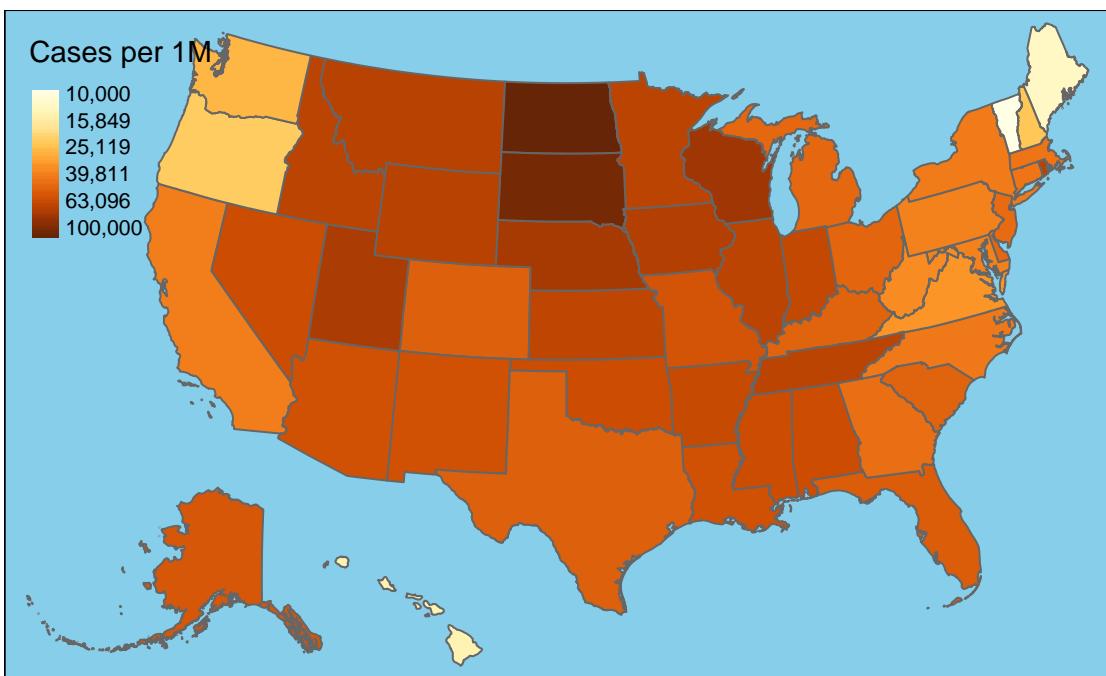
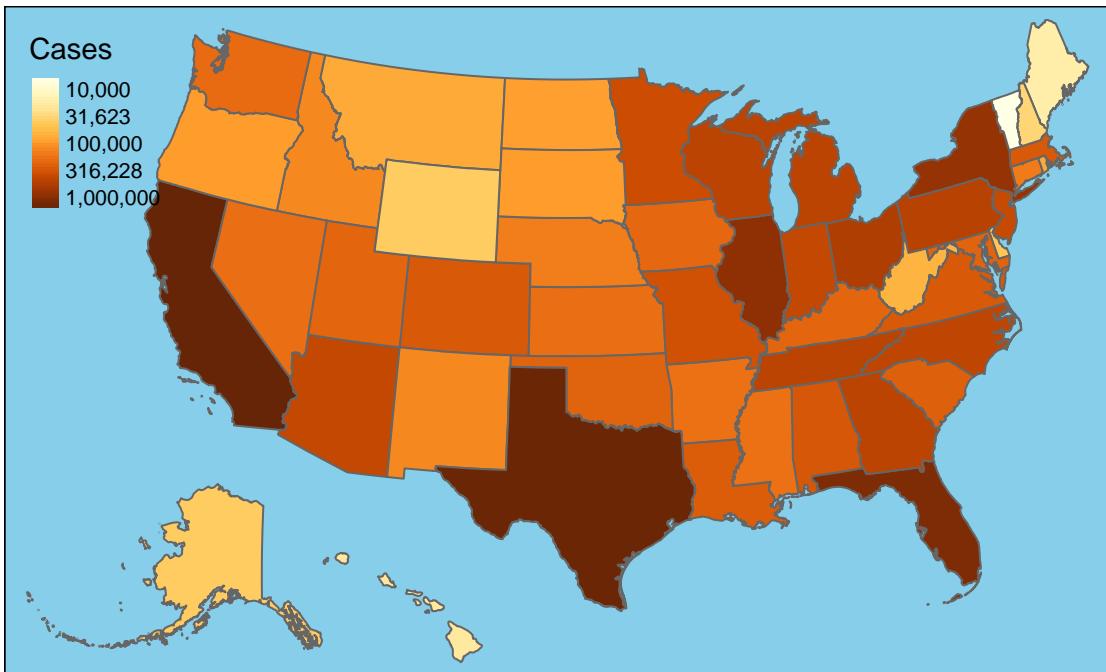


New Cases by State

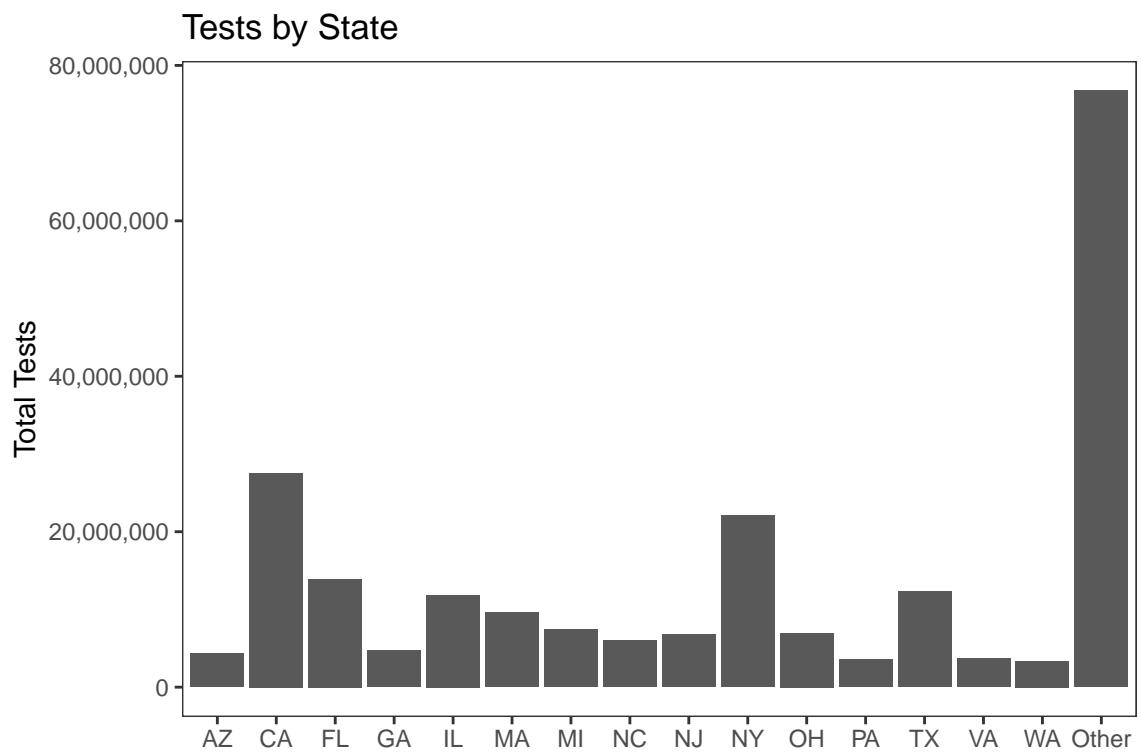


7-Day Change in Daily Cases

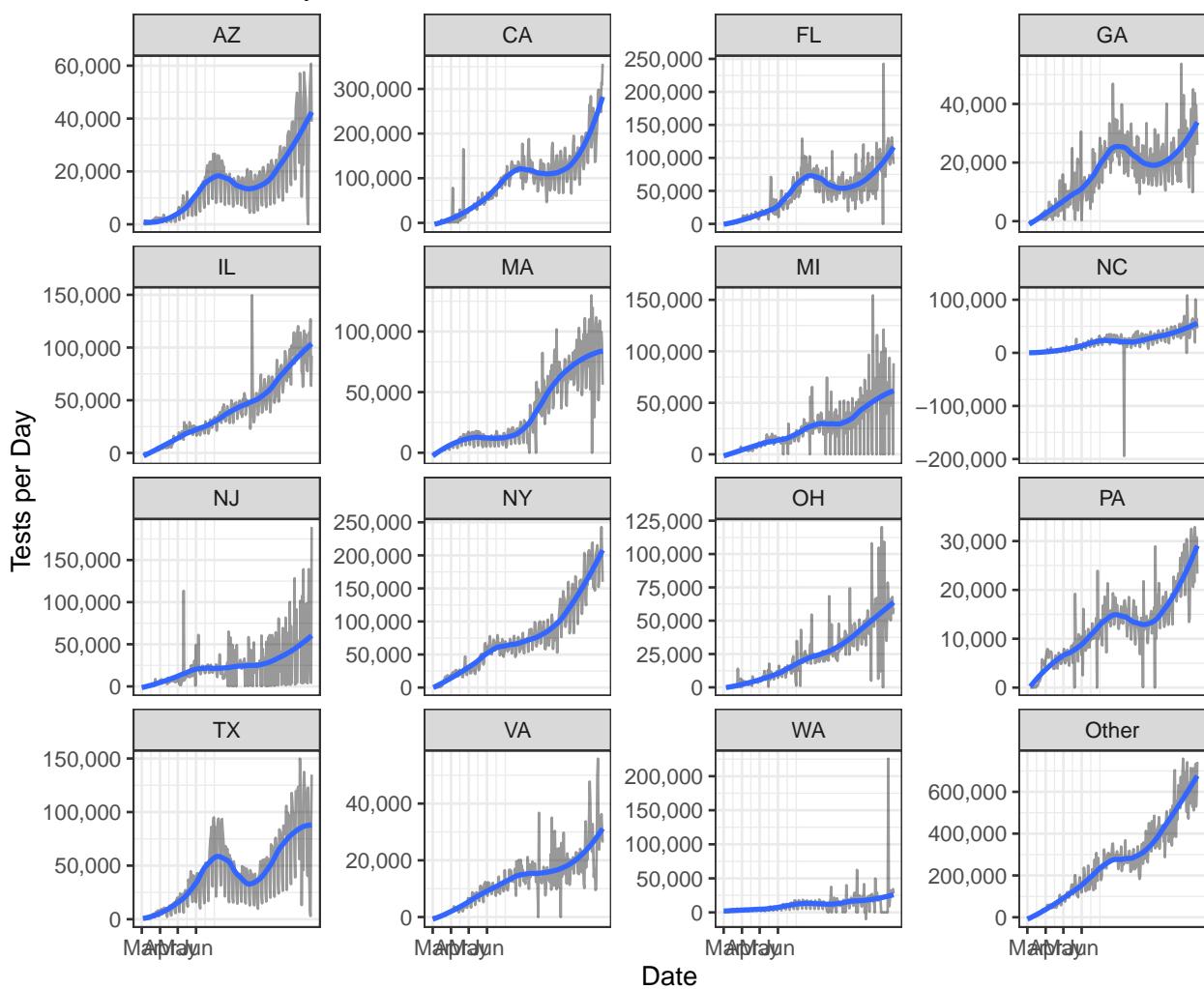


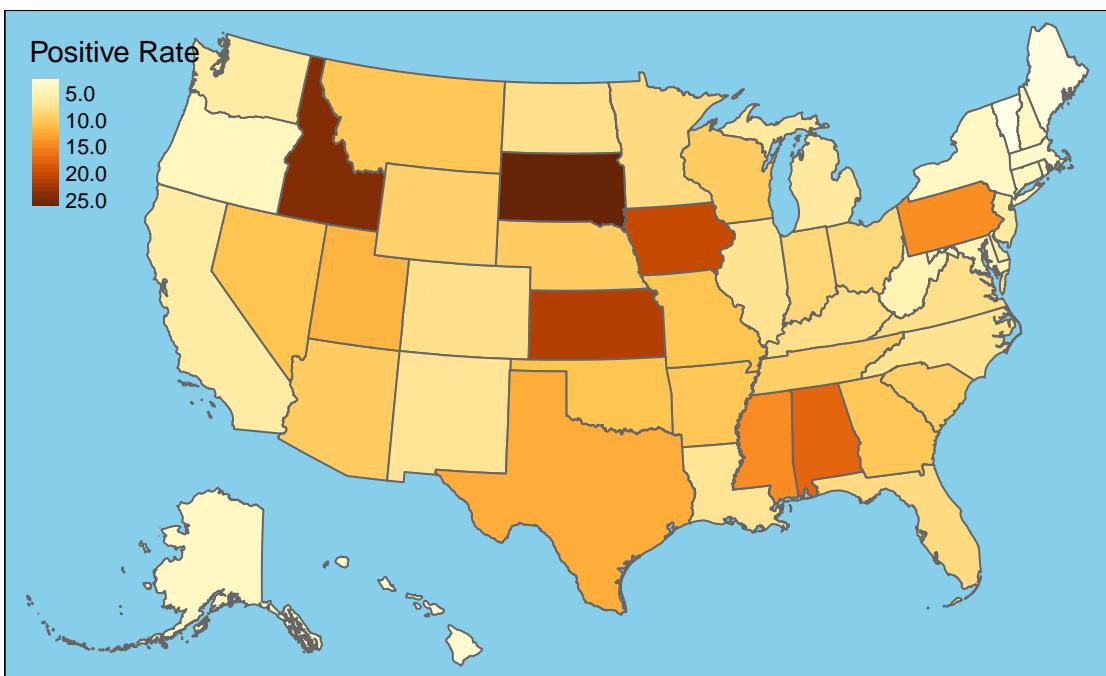
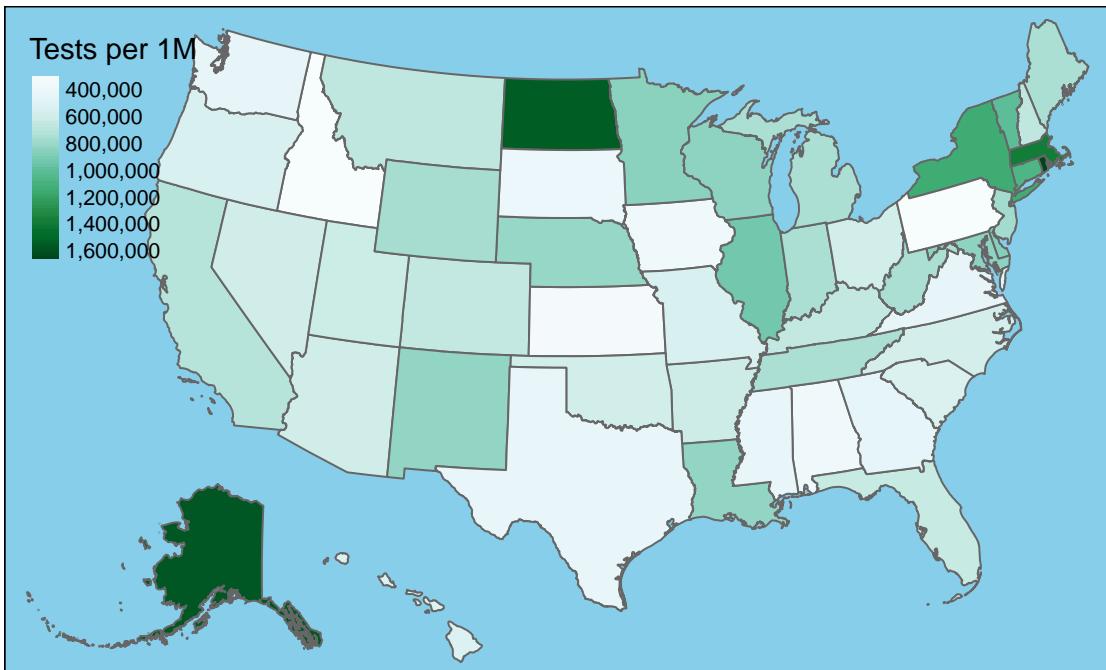


Testing



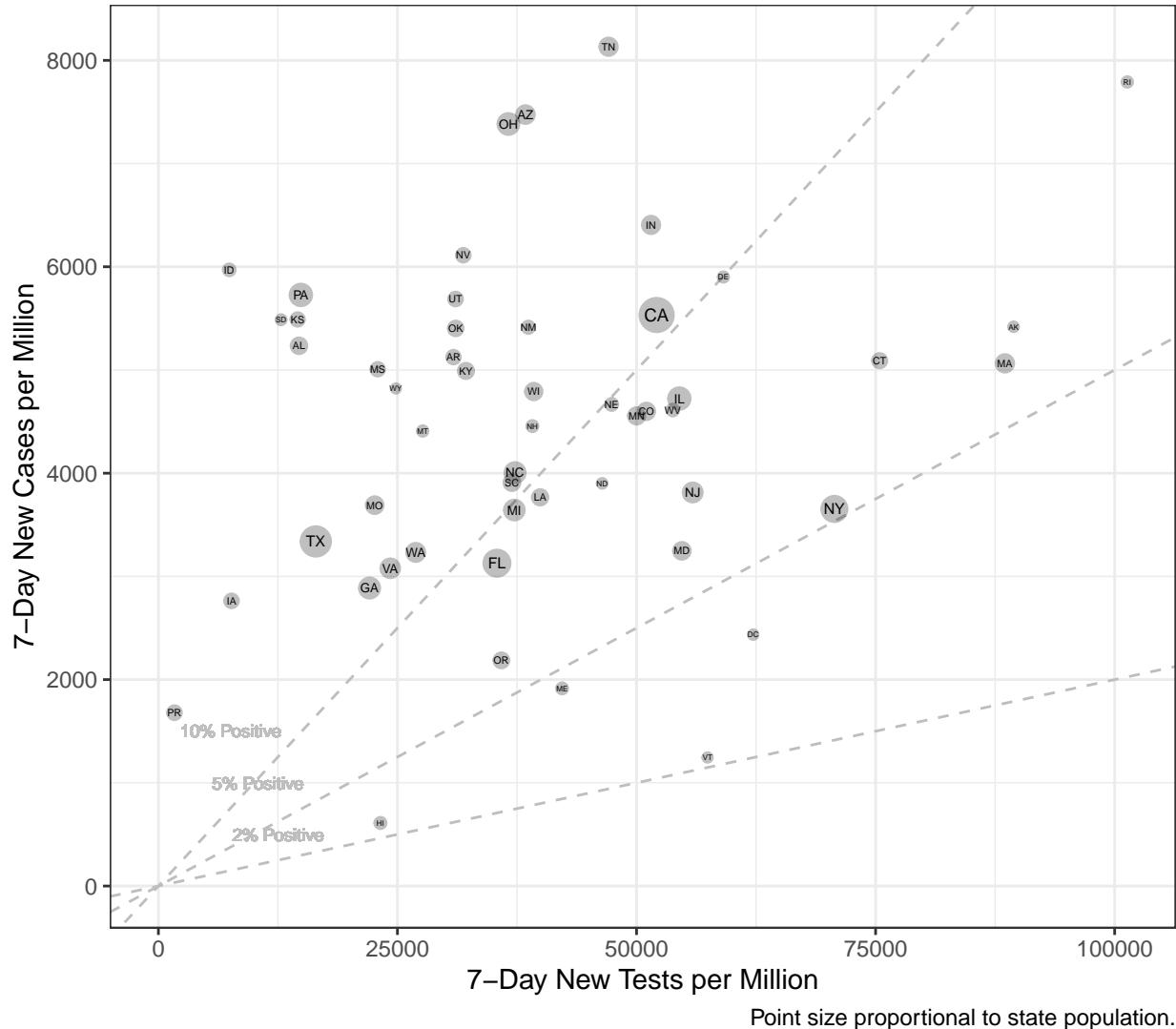
New Tests by State





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



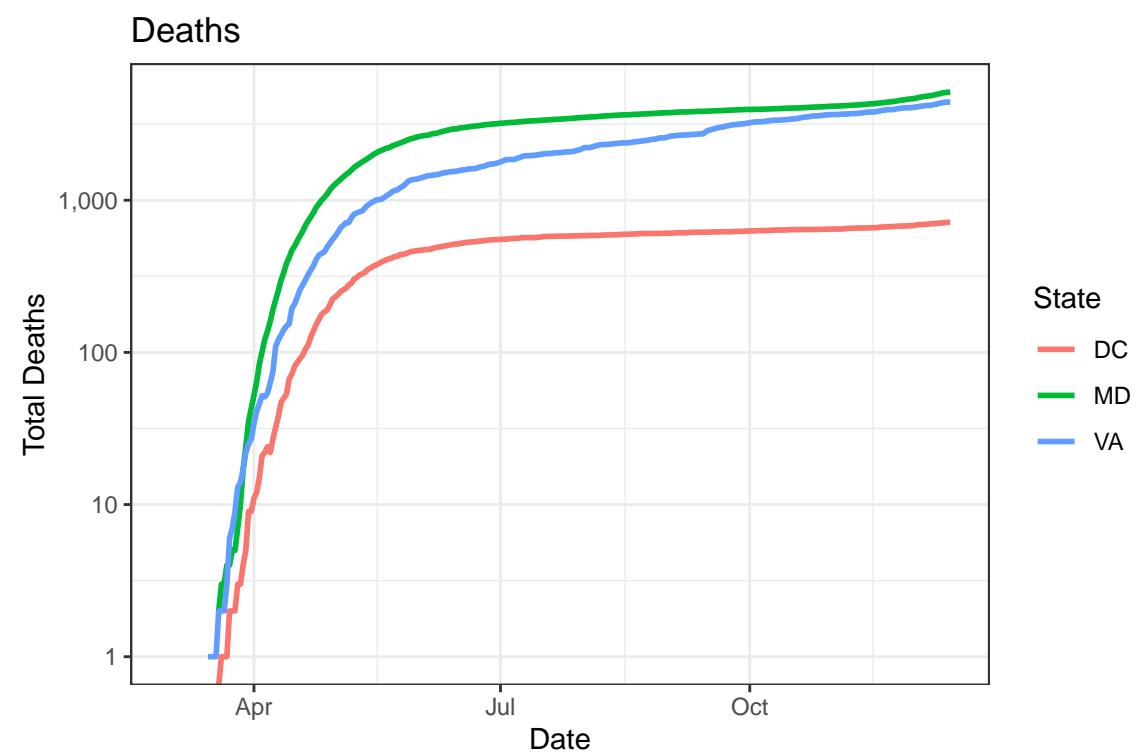
Local Data

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

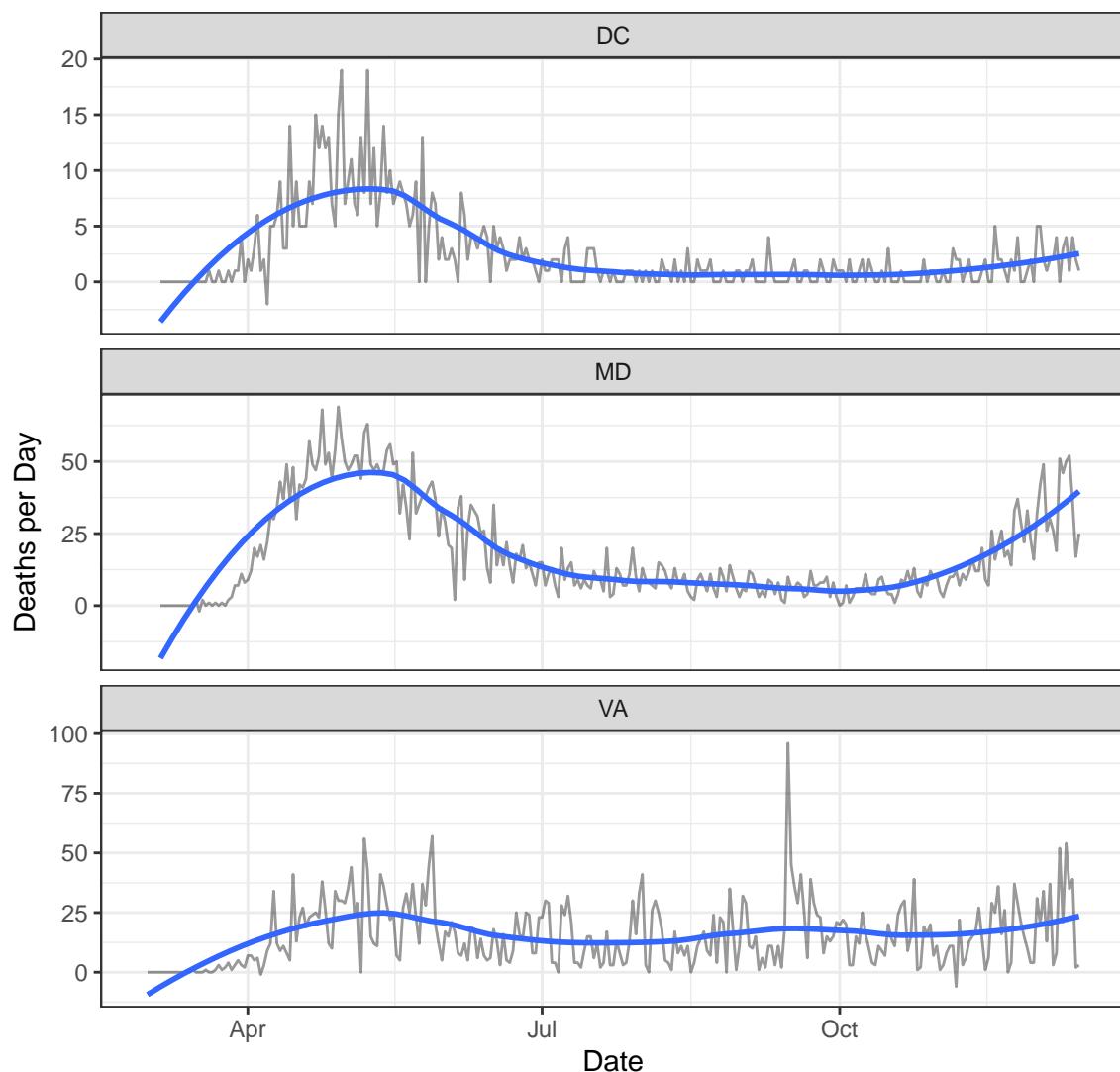
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	25,038	716	164	1
MD	236,961	5,142	2,314	25
VA	285,149	4,414	3,240	3

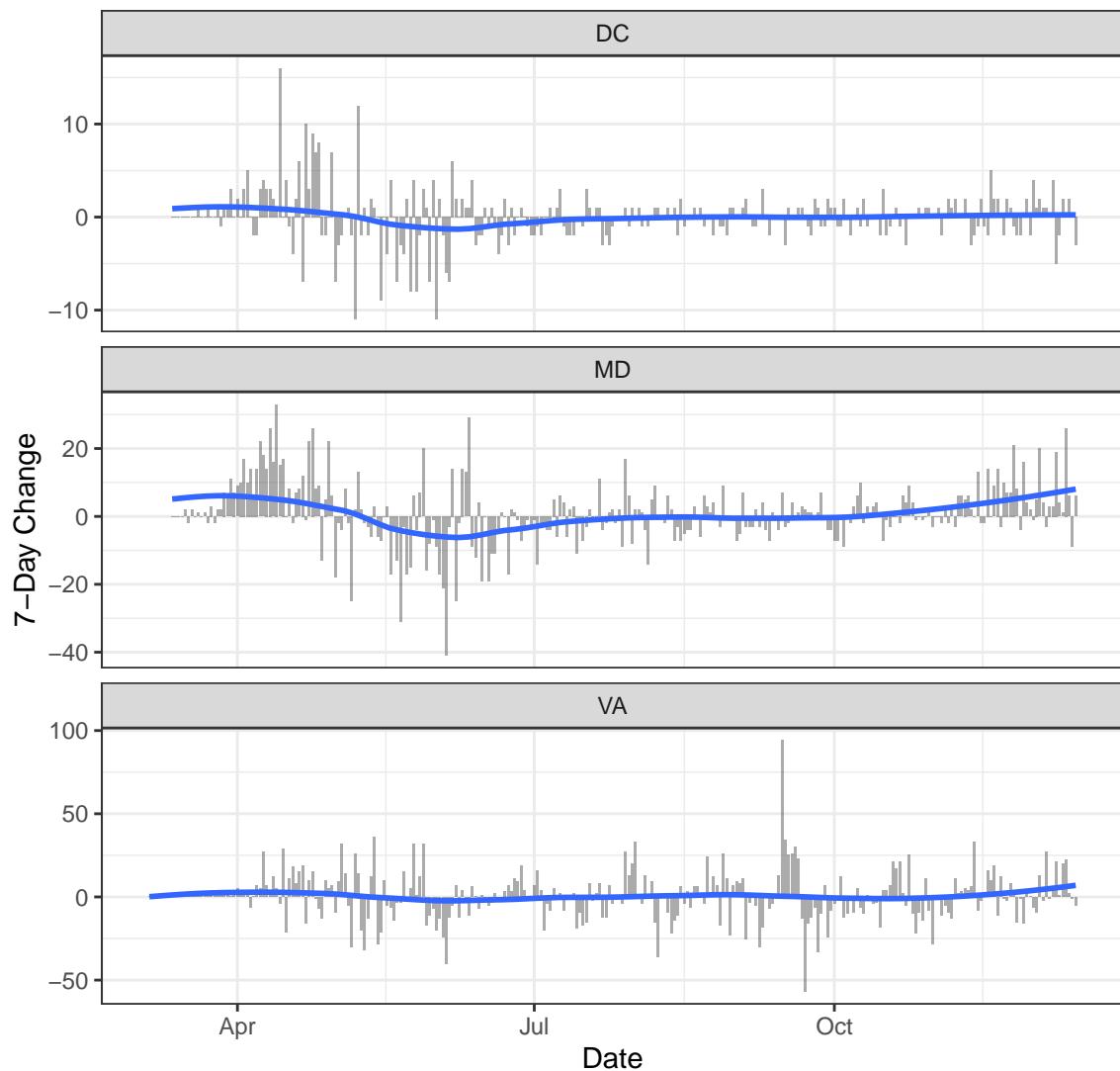
Deaths

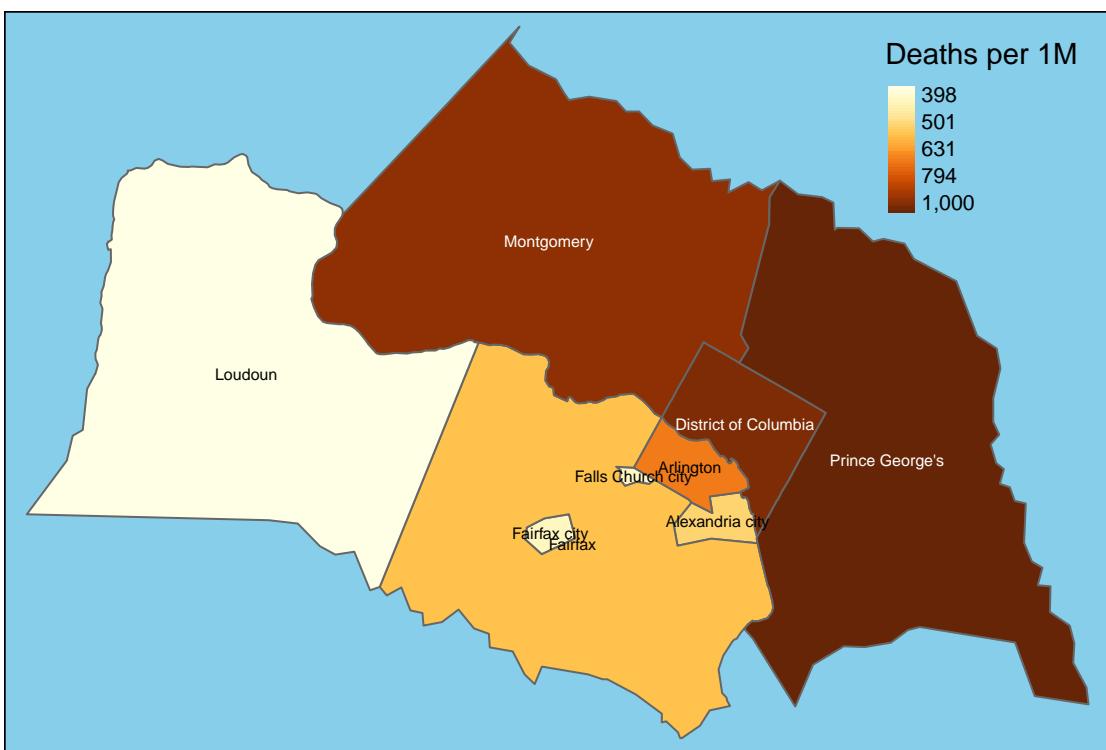
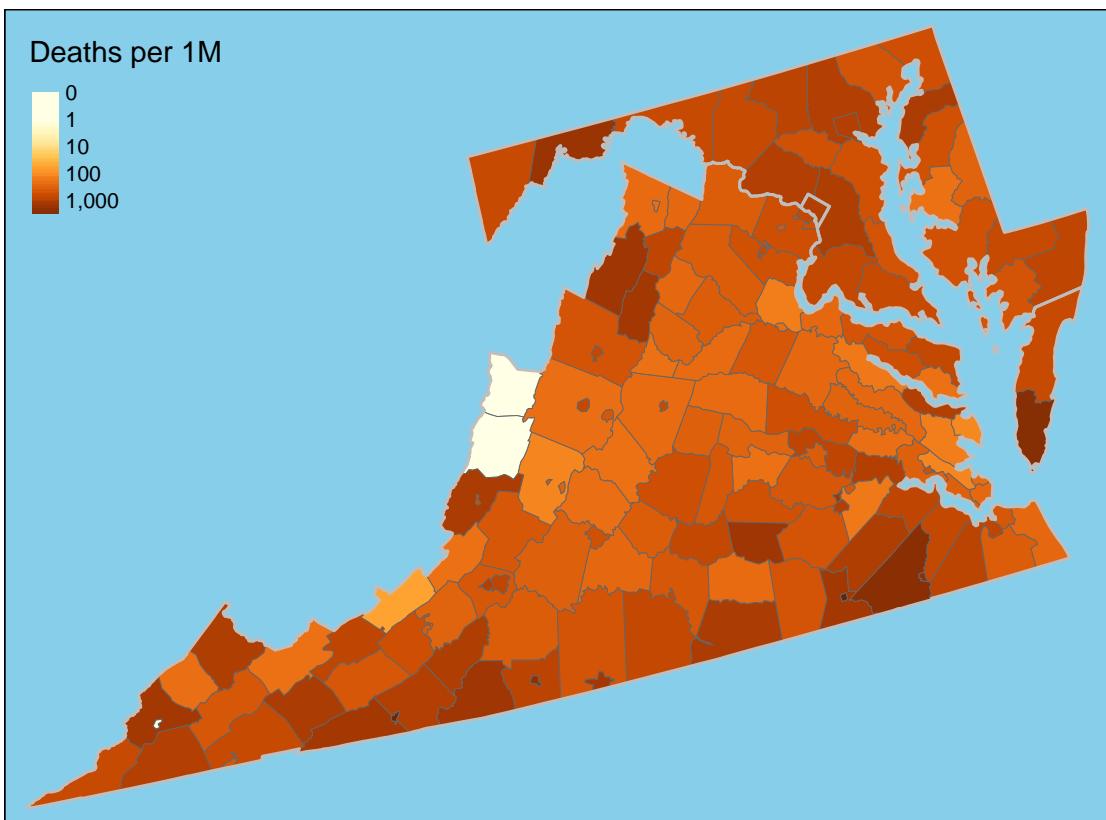


New Deaths

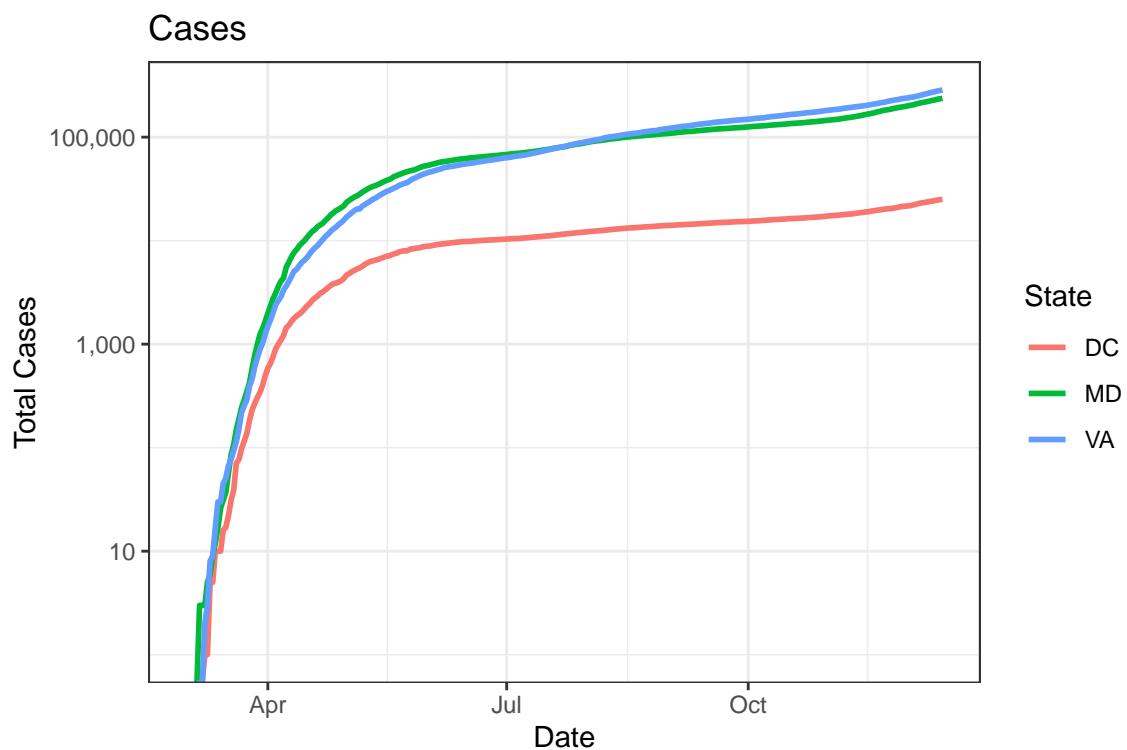


One-Week Change in Daily Deaths

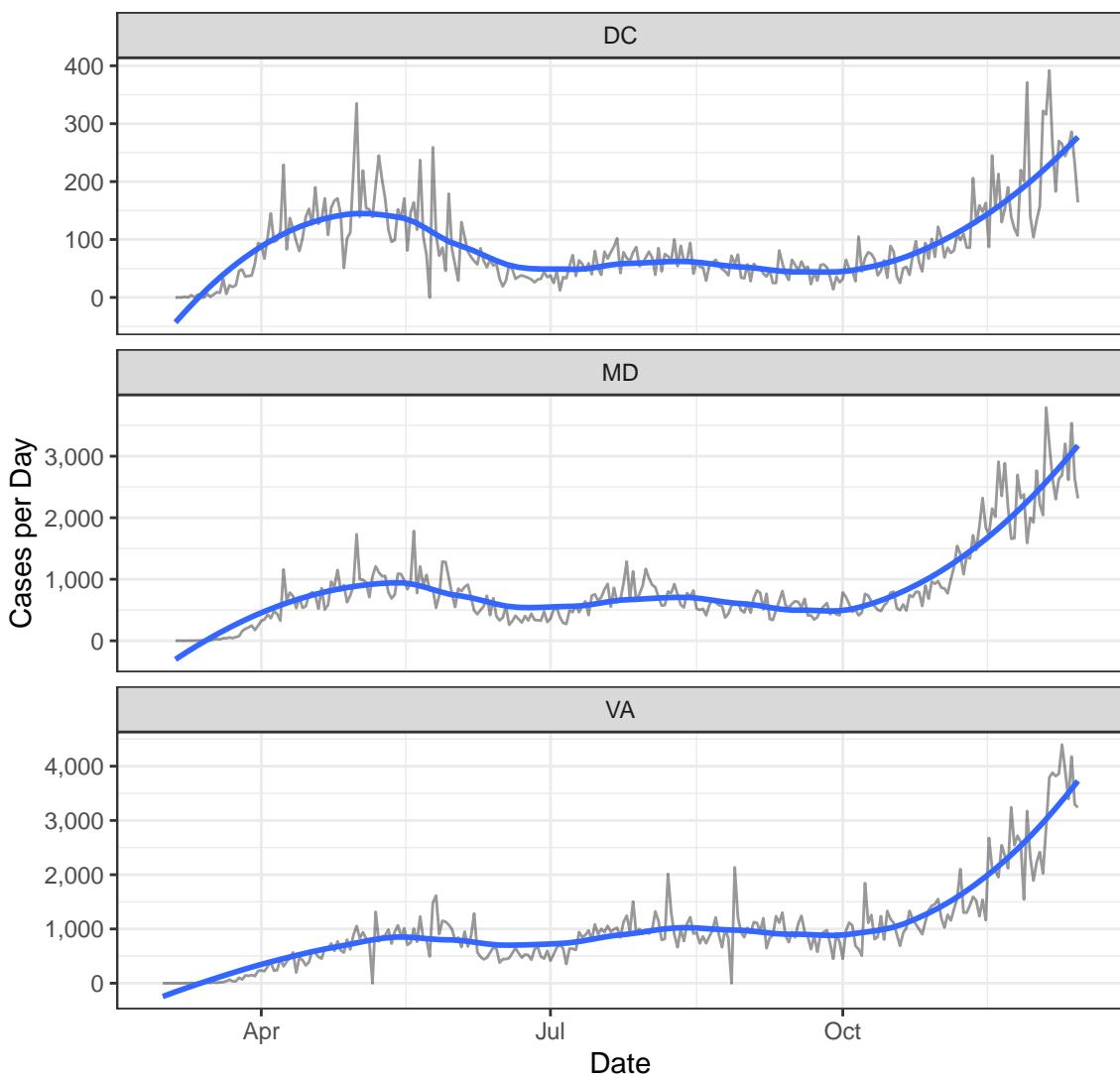




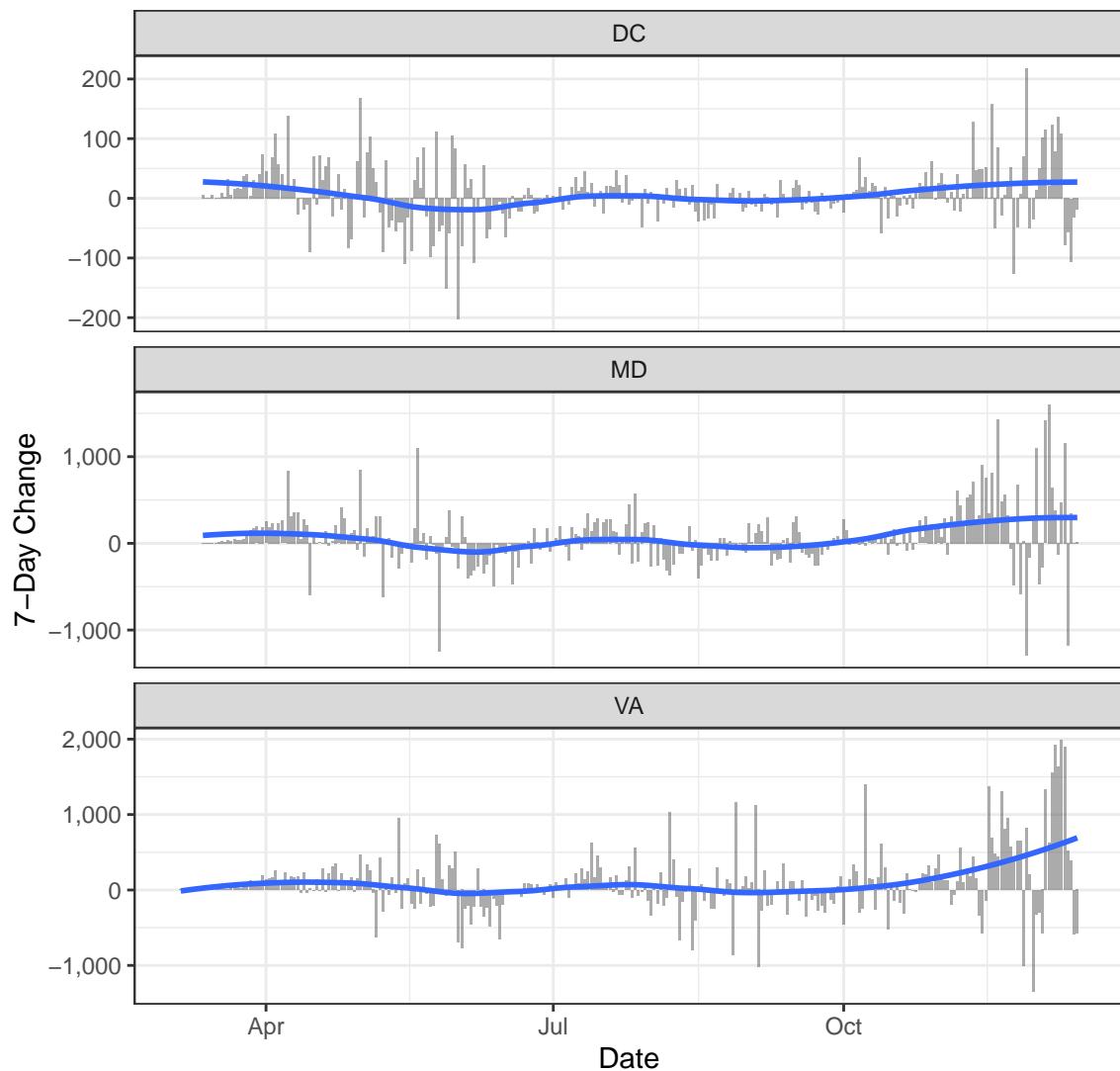
Cases

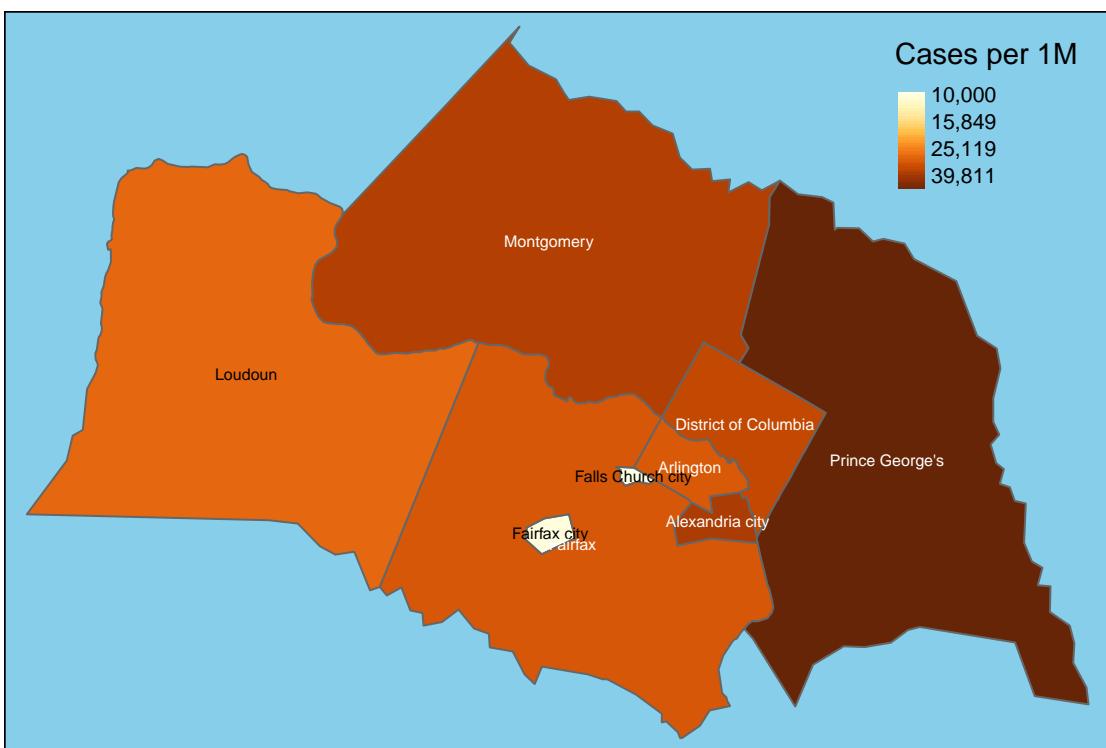
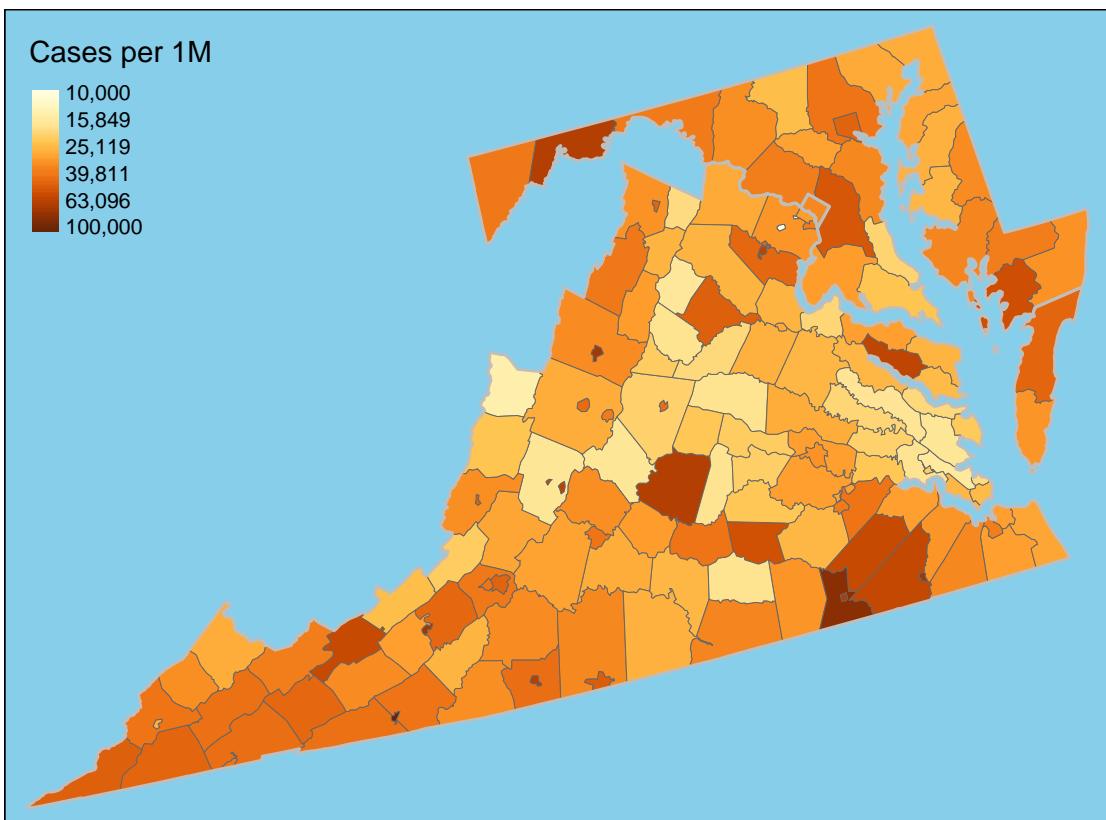


New Cases

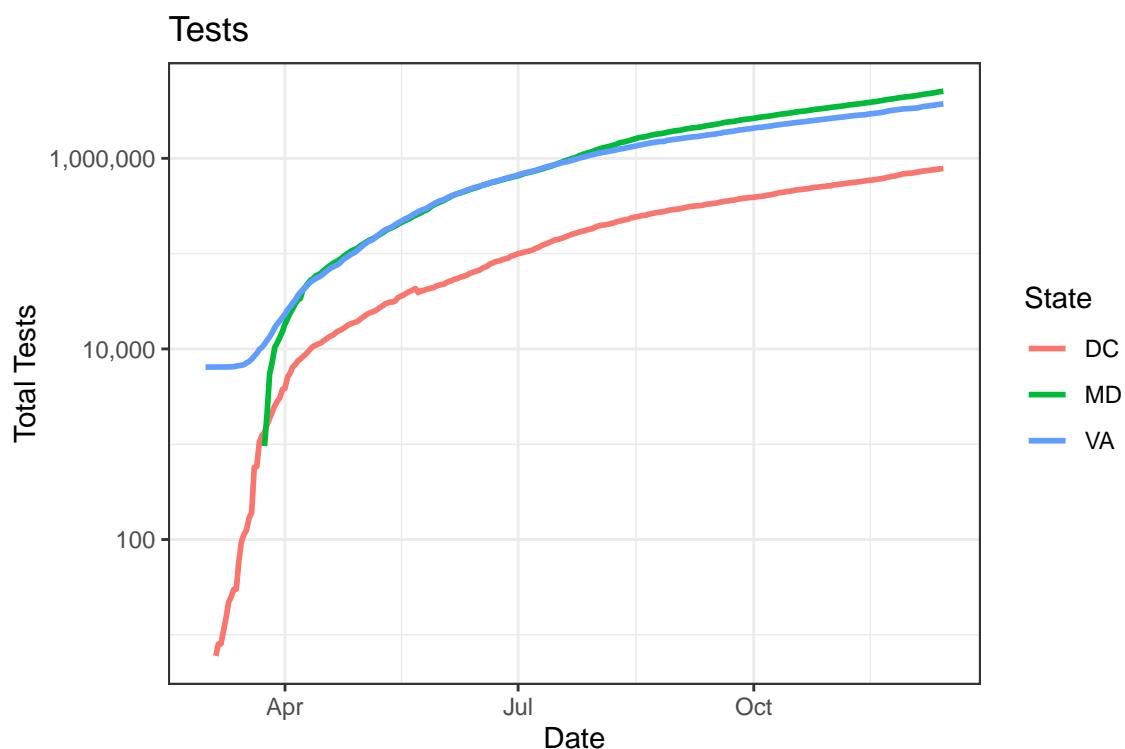


One-Week Change in Daily Cases

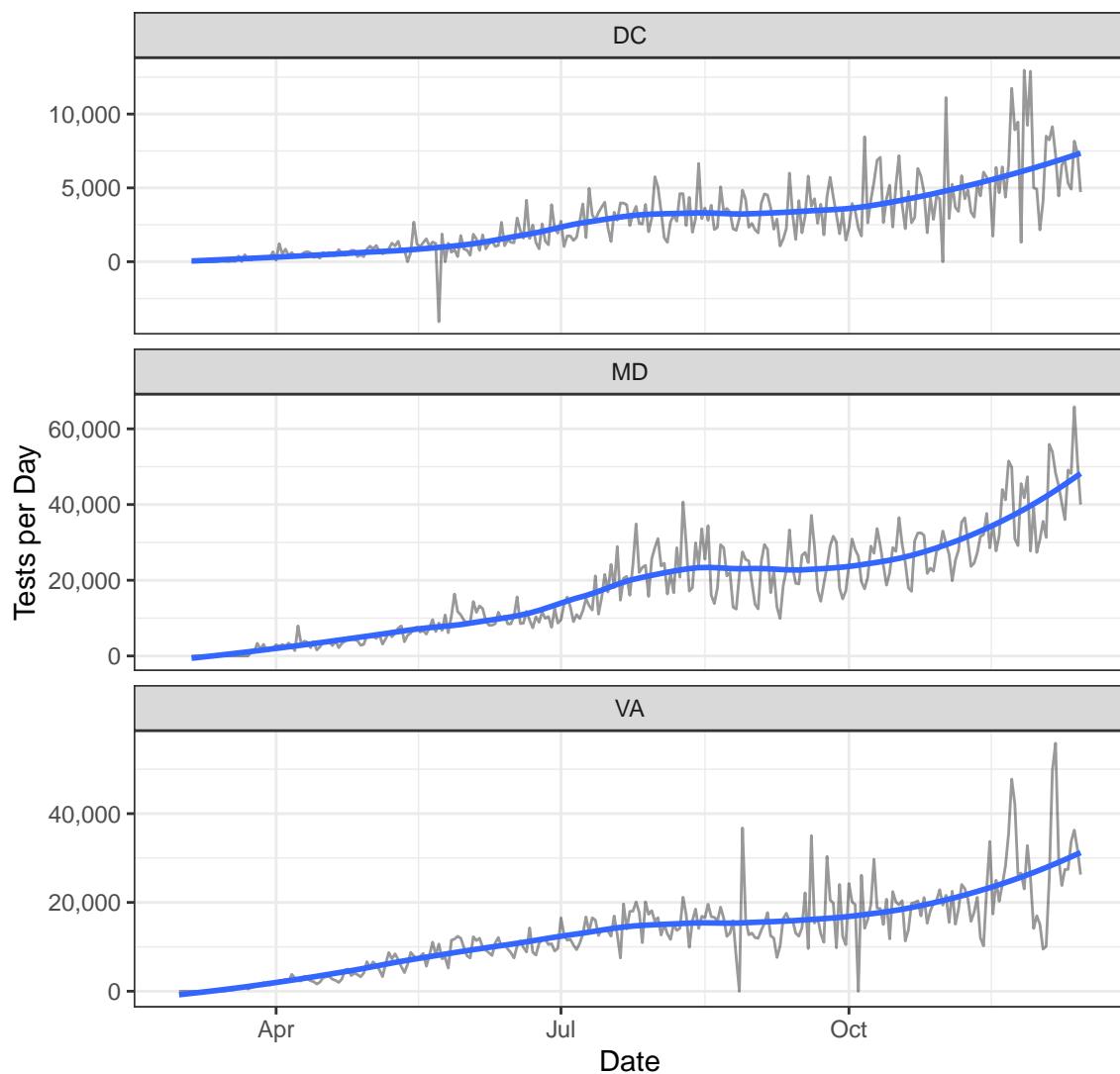




Testing



New Tests



Positive Test Rate

