

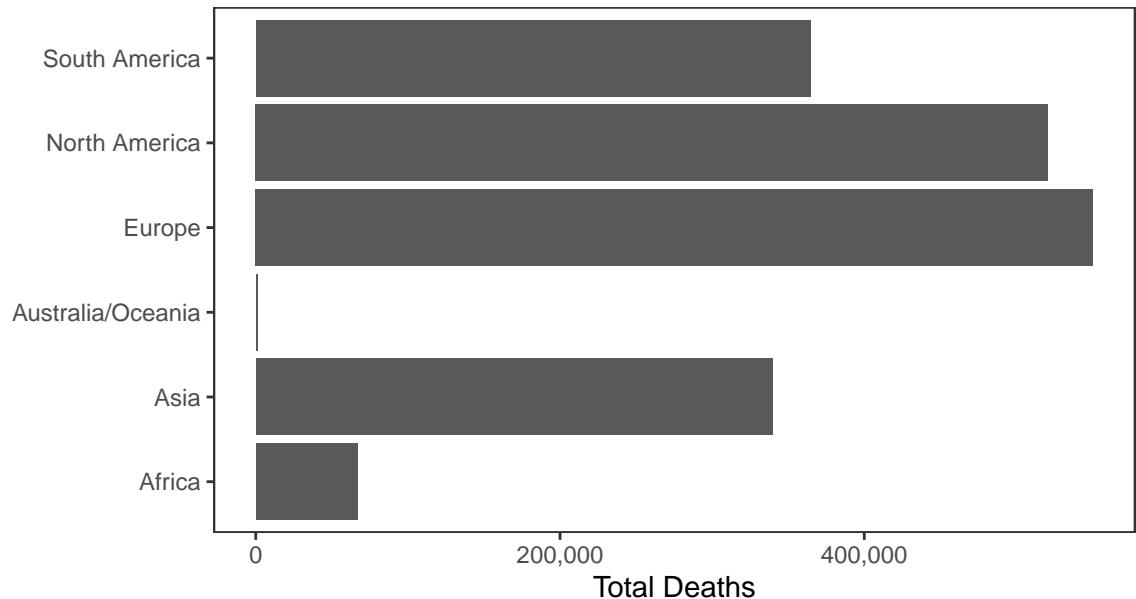
Erik's Covid-19 Chart Pack

Data updated 2021-01-03 13:55:00. 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 84,970,208 confirmed Covid-19 cases and 1,843,106 deaths worldwide.

Deaths



Cases

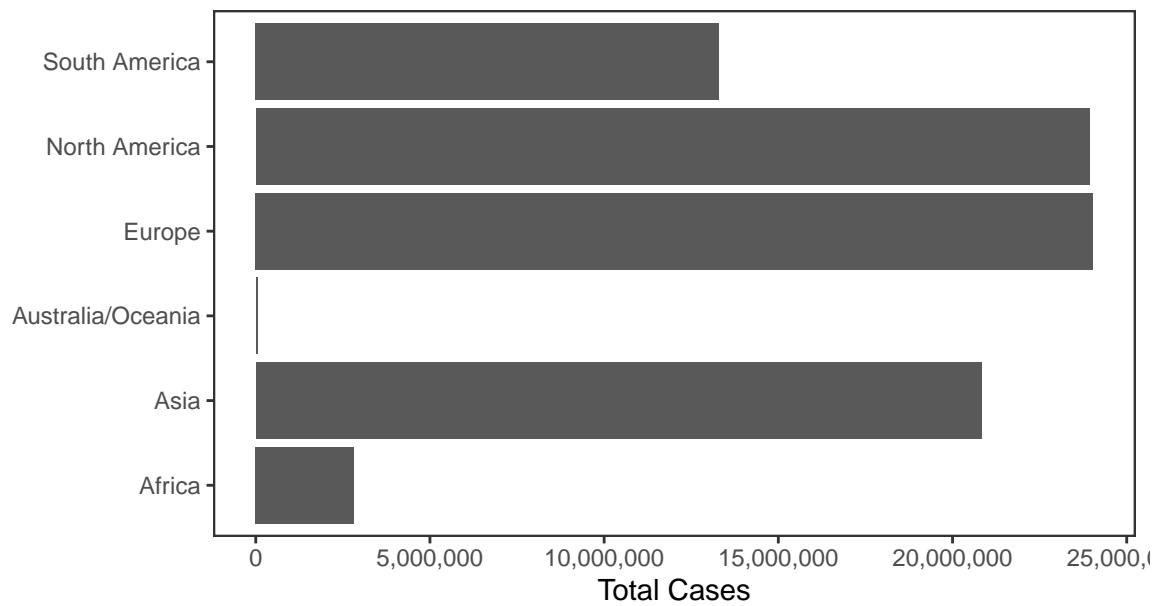
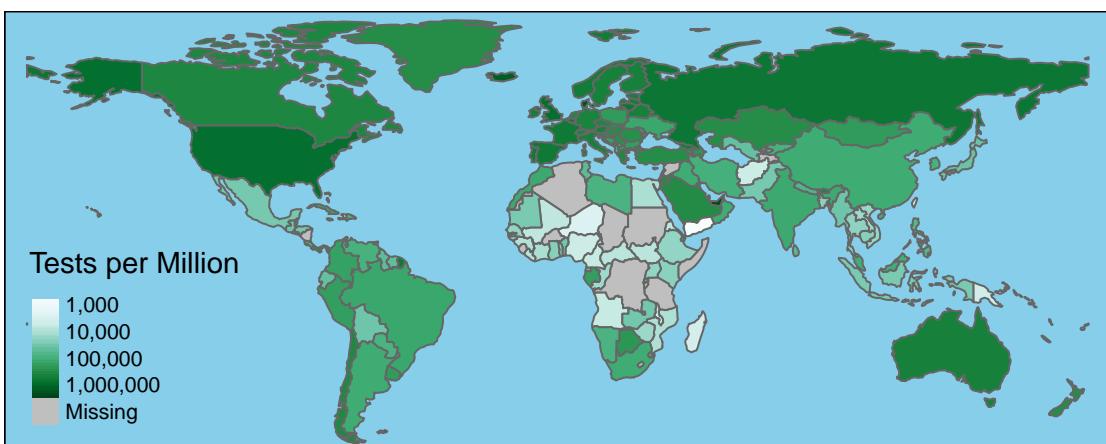
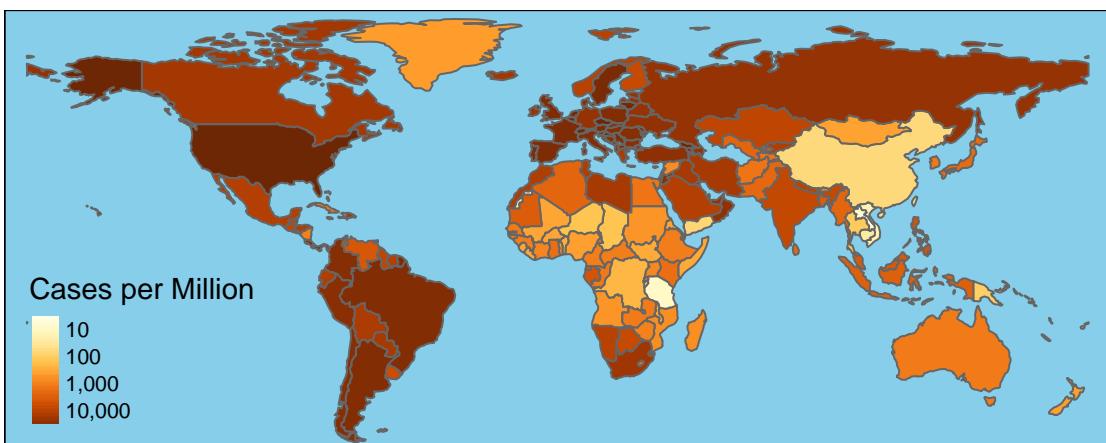
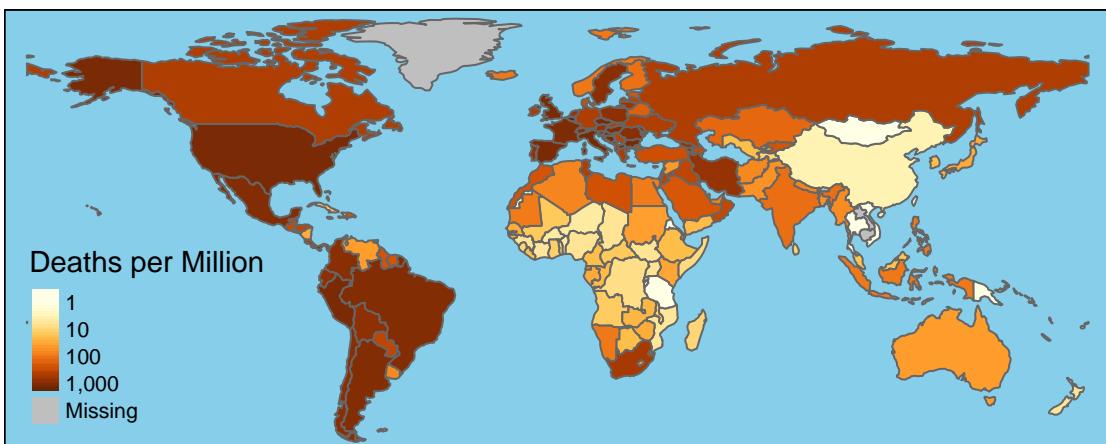


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	20,904,853	358,685	232,379	2,110
India	10,324,631	149,471	21,222	266
Brazil	7,716,405	195,742	15,827	301
Russia	3,212,637	58,002	26,301	447
France	2,643,239	64,921	3,466	156
UK	2,599,789	74,570	57,725	445
Turkey	2,232,035	21,295	11,180	202
Italy	2,141,201	74,985	11,831	364
Spain	1,936,718	50,837	0	0
Germany	1,773,540	34,859	11,015	340
Colombia	1,666,408	43,765	11,528	270
Argentina	1,634,834	43,375	5,240	56
Mexico	1,437,185	126,507	11,091	700
Poland	1,312,823	29,058	6,988	102
Iran	1,237,474	55,438	6,045	101
South Africa	1,088,889	29,175	15,002	288
Ukraine	1,069,517	18,731	5,038	51
Peru	1,018,099	37,773	900	49
Netherlands	813,765	11,565	8,601	36
Indonesia	758,473	22,555	7,203	226



National Data

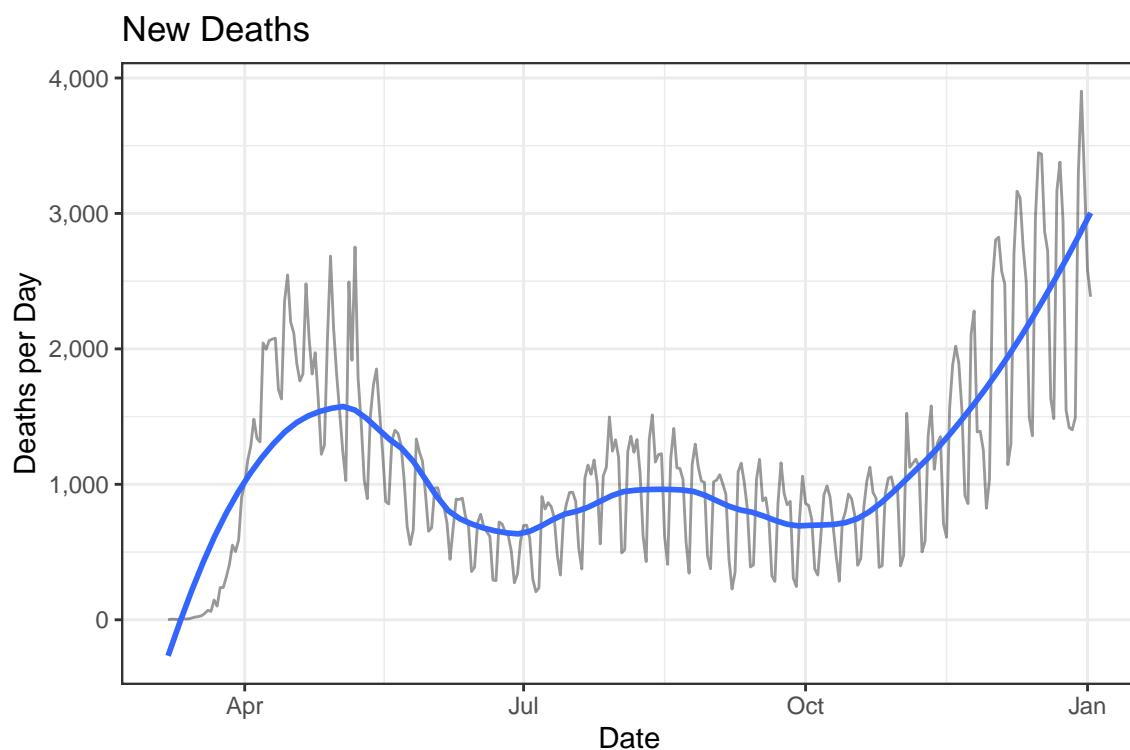
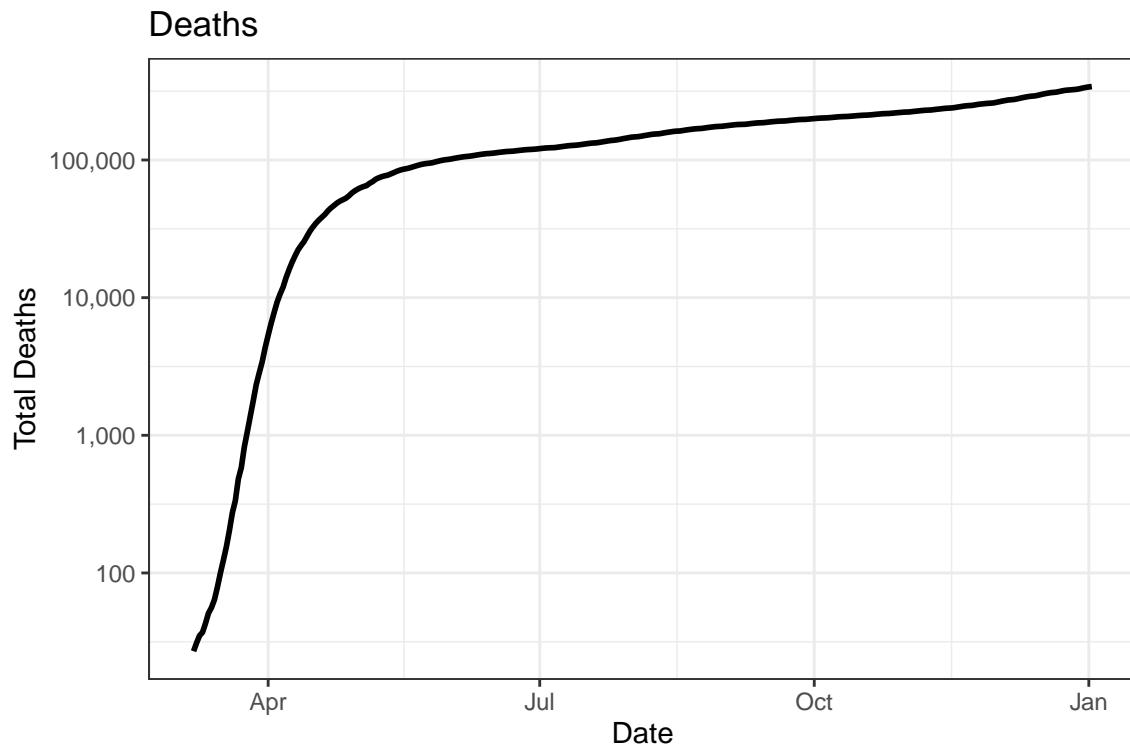
There have been 20,171,916 confirmed Covid-19 cases and 341,746 deaths in the United States.

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

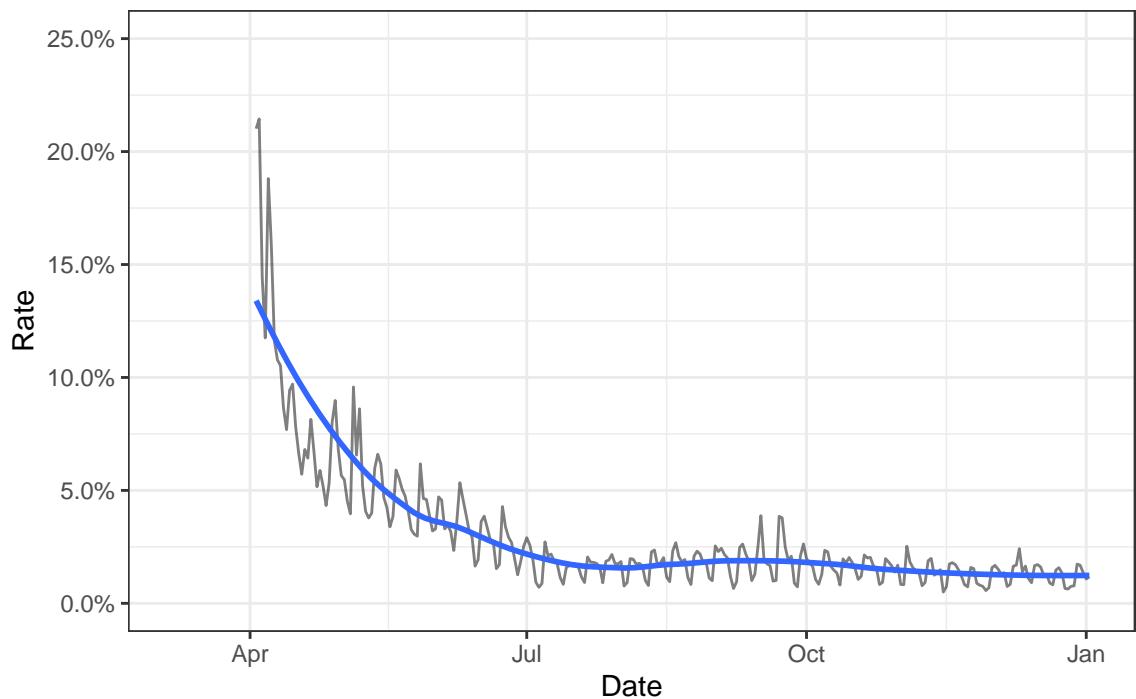
Date	Cases	Deaths	New Cases	New Deaths
2021-01-02	20,171,916	341,746	277,897	2,385
2021-01-01	19,894,019	339,361	178,989	2,582
2020-12-31	19,715,030	336,779	221,444	3,255
2020-12-30	19,493,586	333,524	225,671	3,903
2020-12-29	19,267,915	329,621	195,194	3,299
2020-12-28	19,072,721	326,322	162,190	1,491
2020-12-27	18,910,531	324,831	153,194	1,402
2020-12-26	18,757,337	323,429	189,494	1,419
2020-12-25	18,567,843	322,010	125,368	1,548
2020-12-24	18,442,475	320,462	203,625	2,949
2020-12-23	18,238,850	317,513	220,834	3,379
2020-12-22	18,018,016	314,134	189,932	3,166
2020-12-21	17,828,084	310,968	178,191	1,485
2020-12-20	17,649,893	309,483	196,017	1,633

Deaths

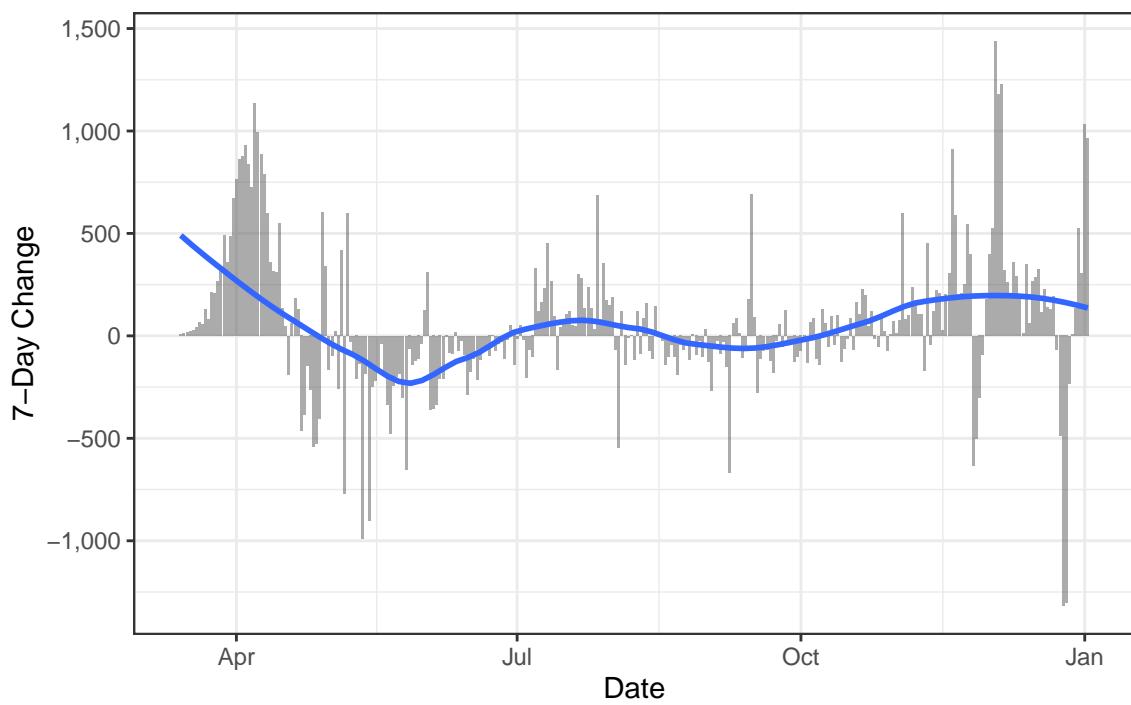
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

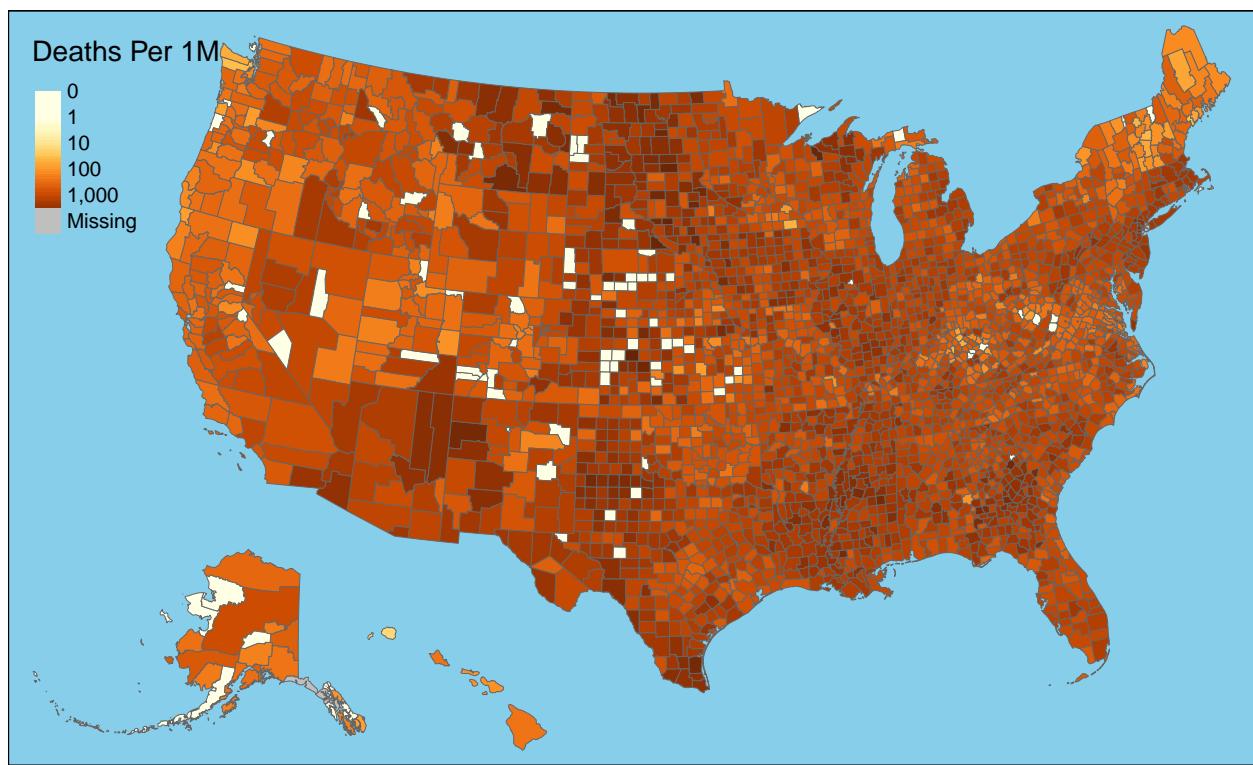


Daily Case Mortality Rate



One-Week Change in Daily Deaths

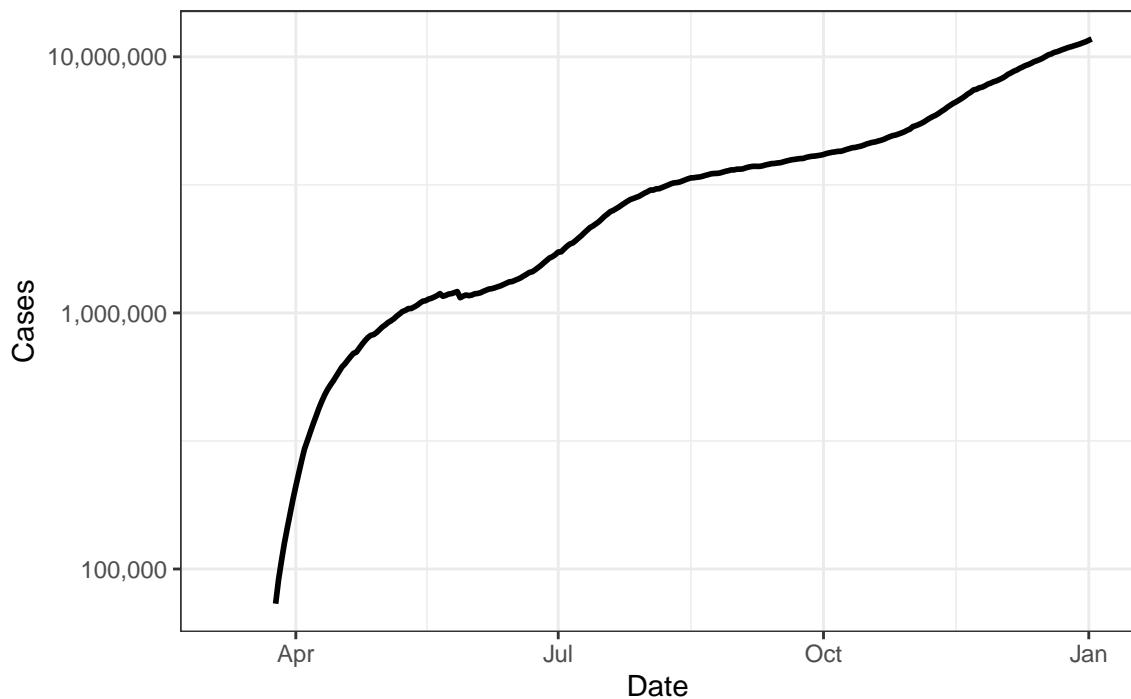




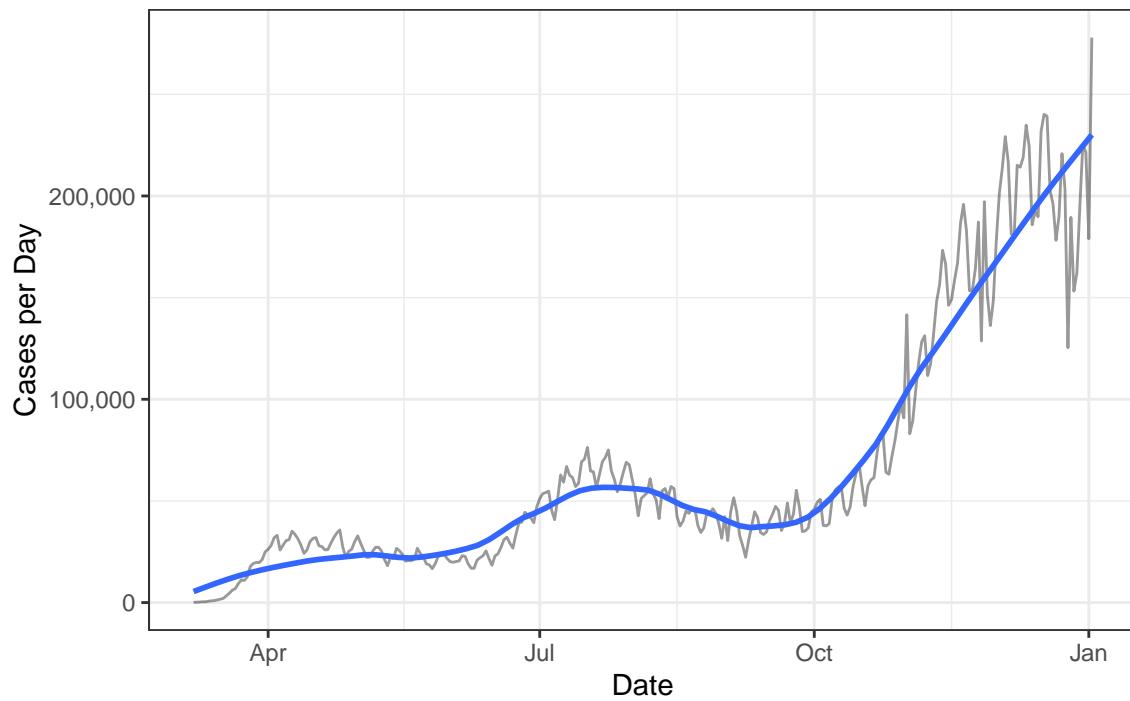
Cases

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

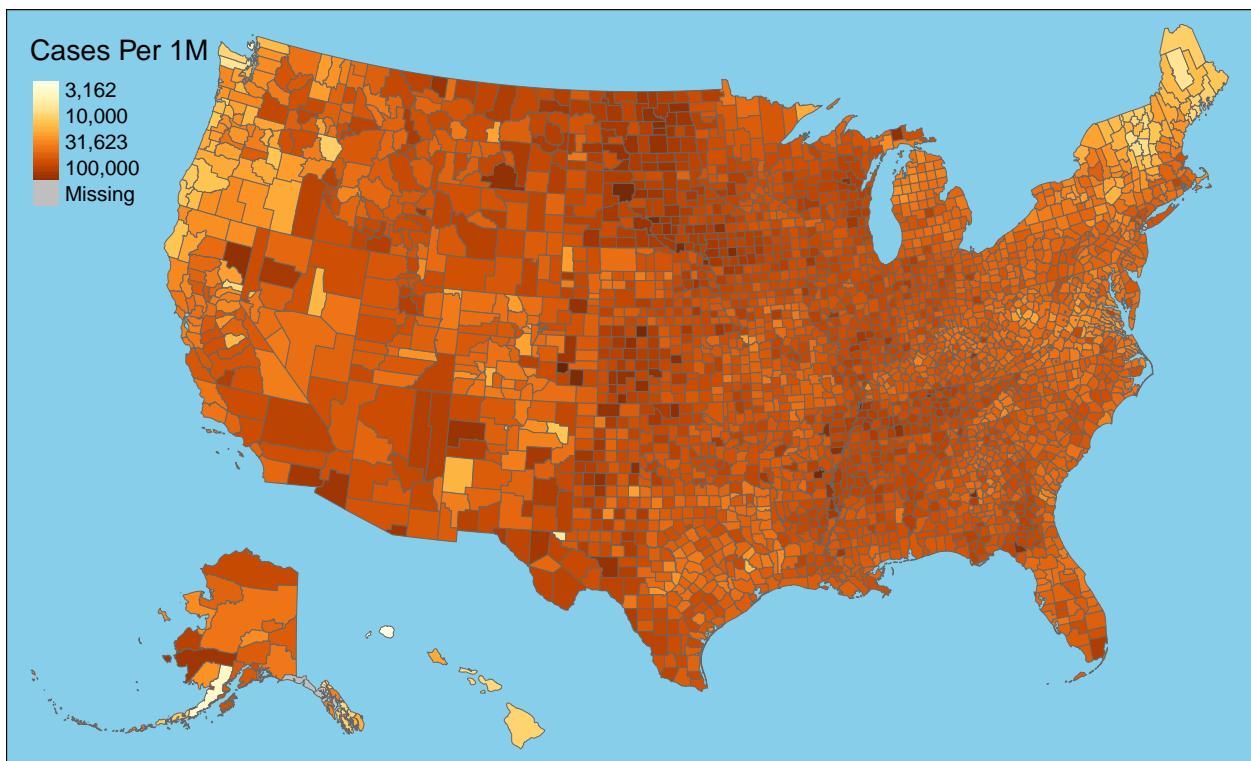
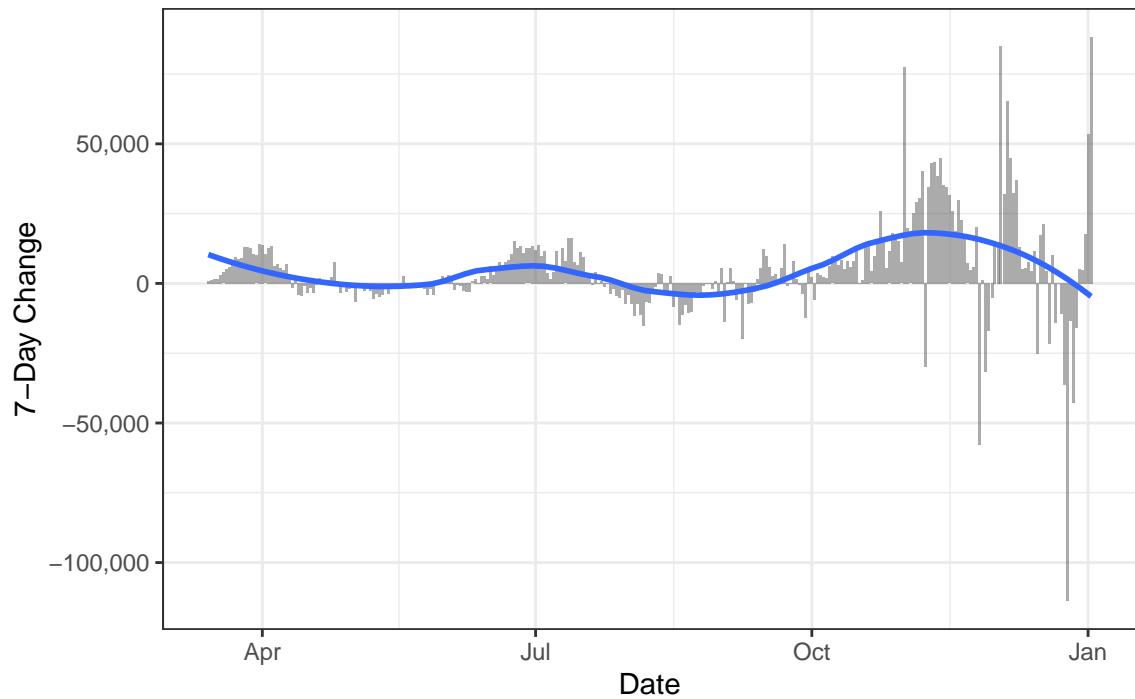
Active Cases



New Cases

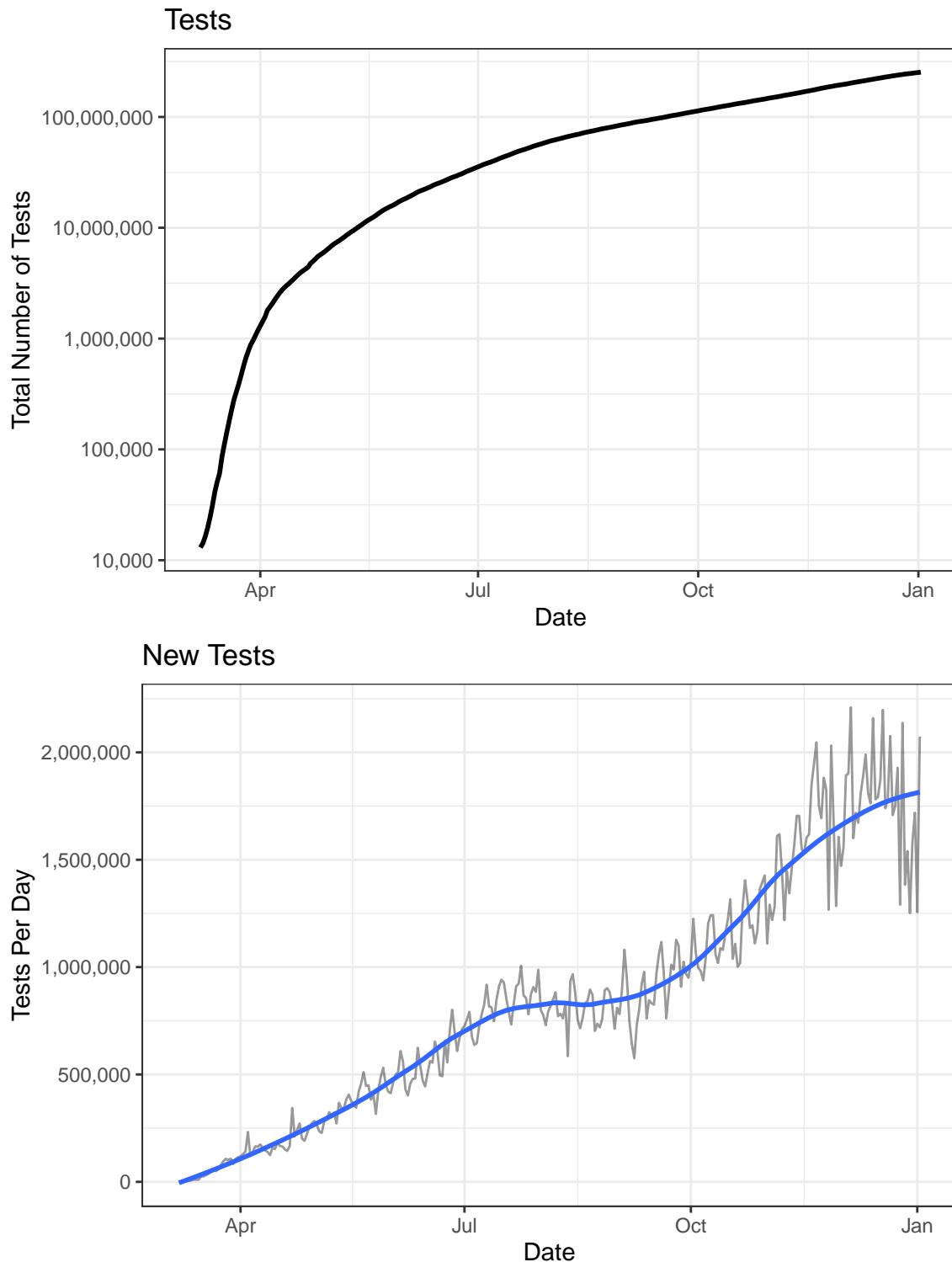


One-Week Change in Daily Cases

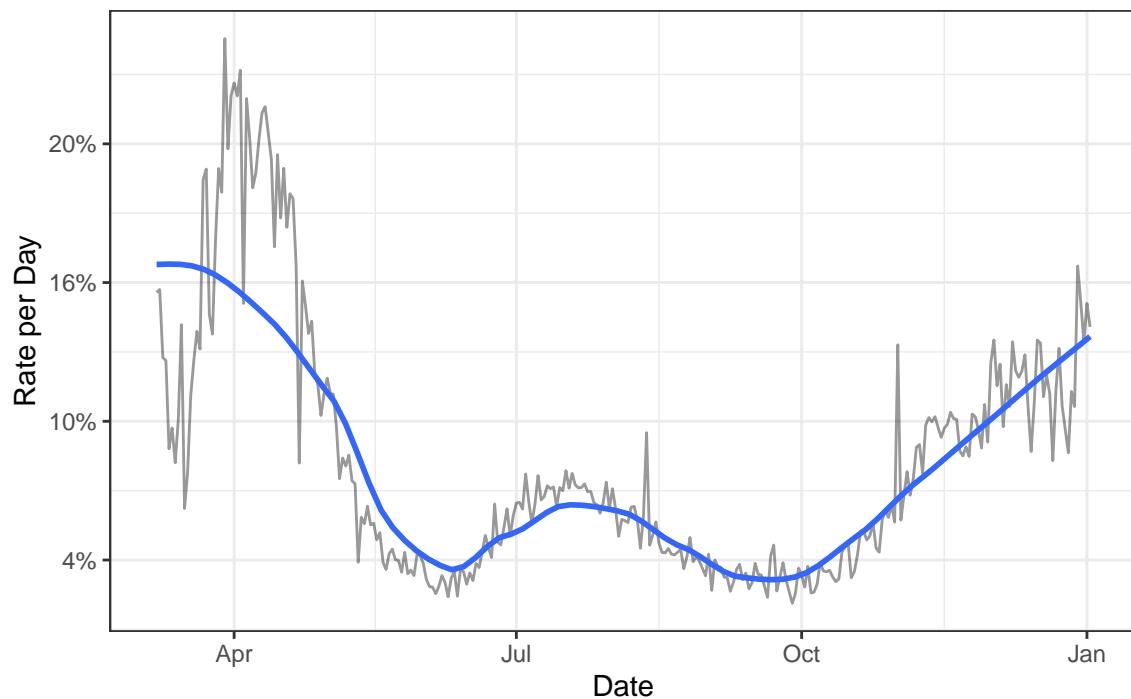


Testing

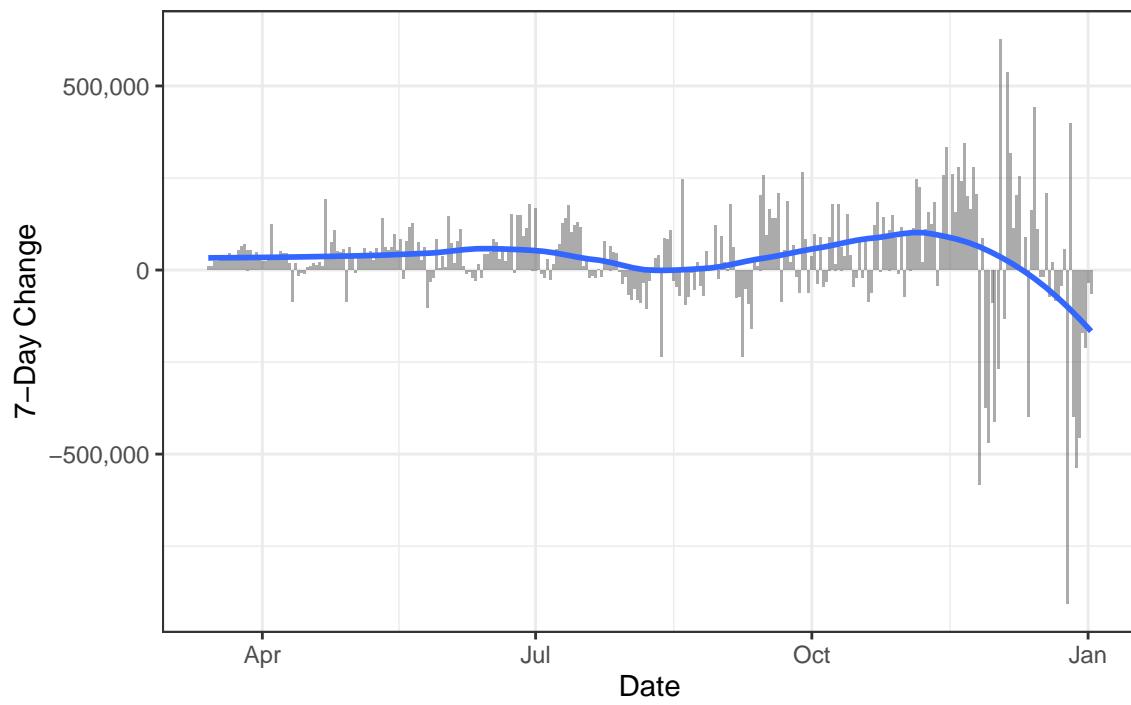
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

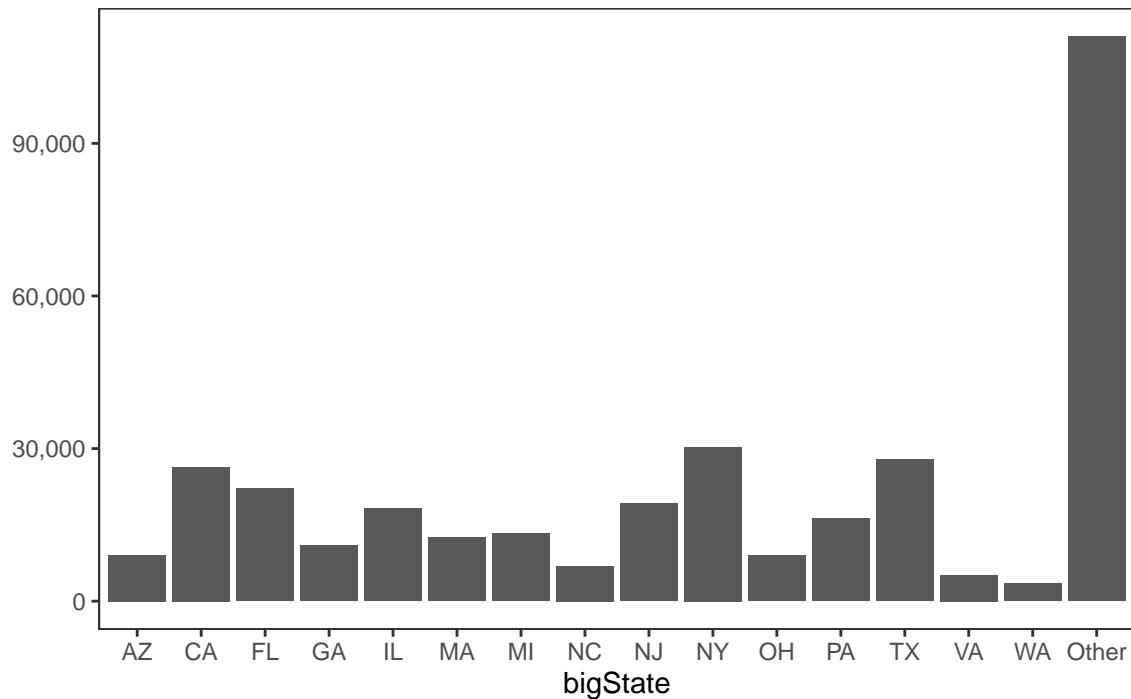


State Data

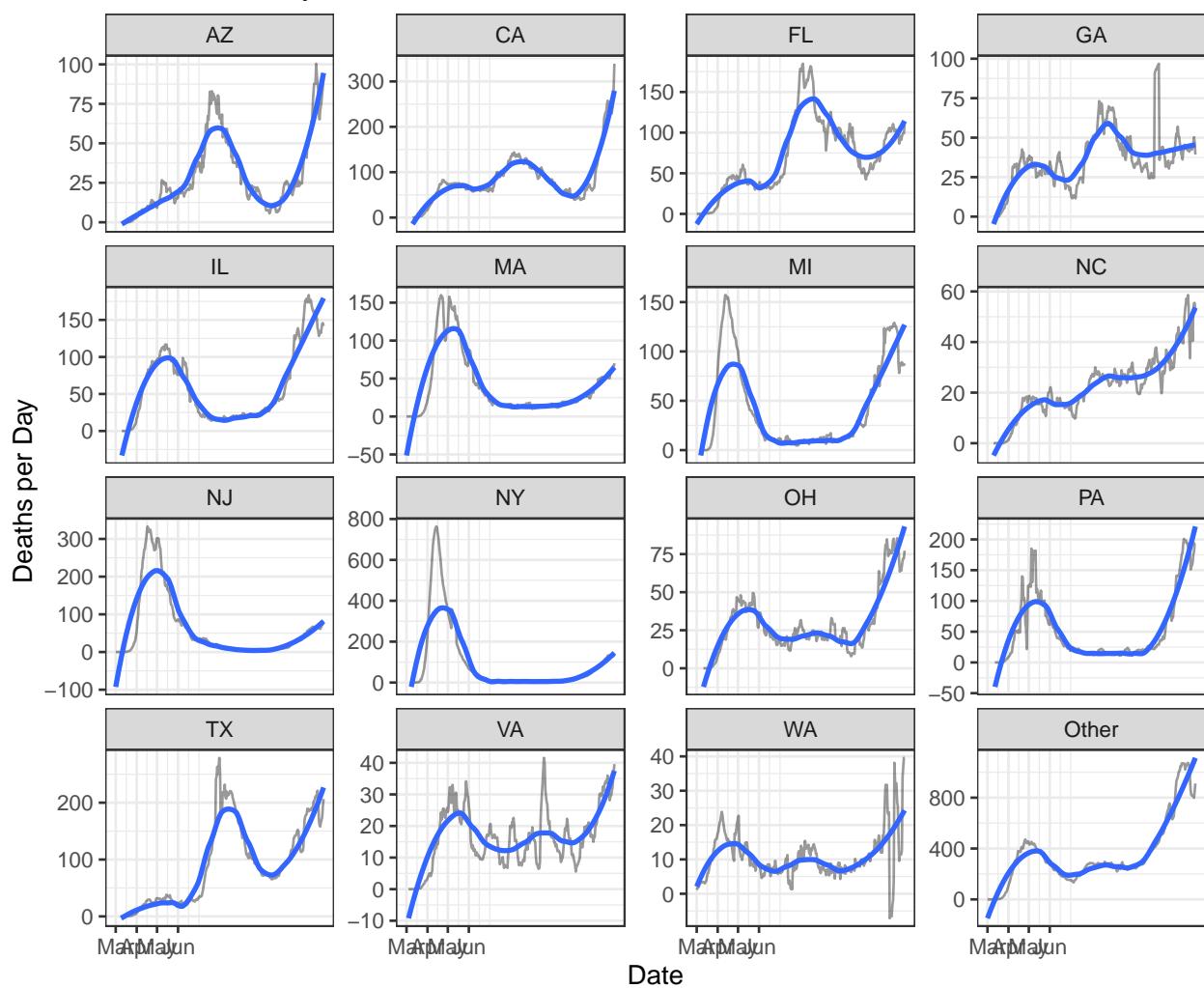
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

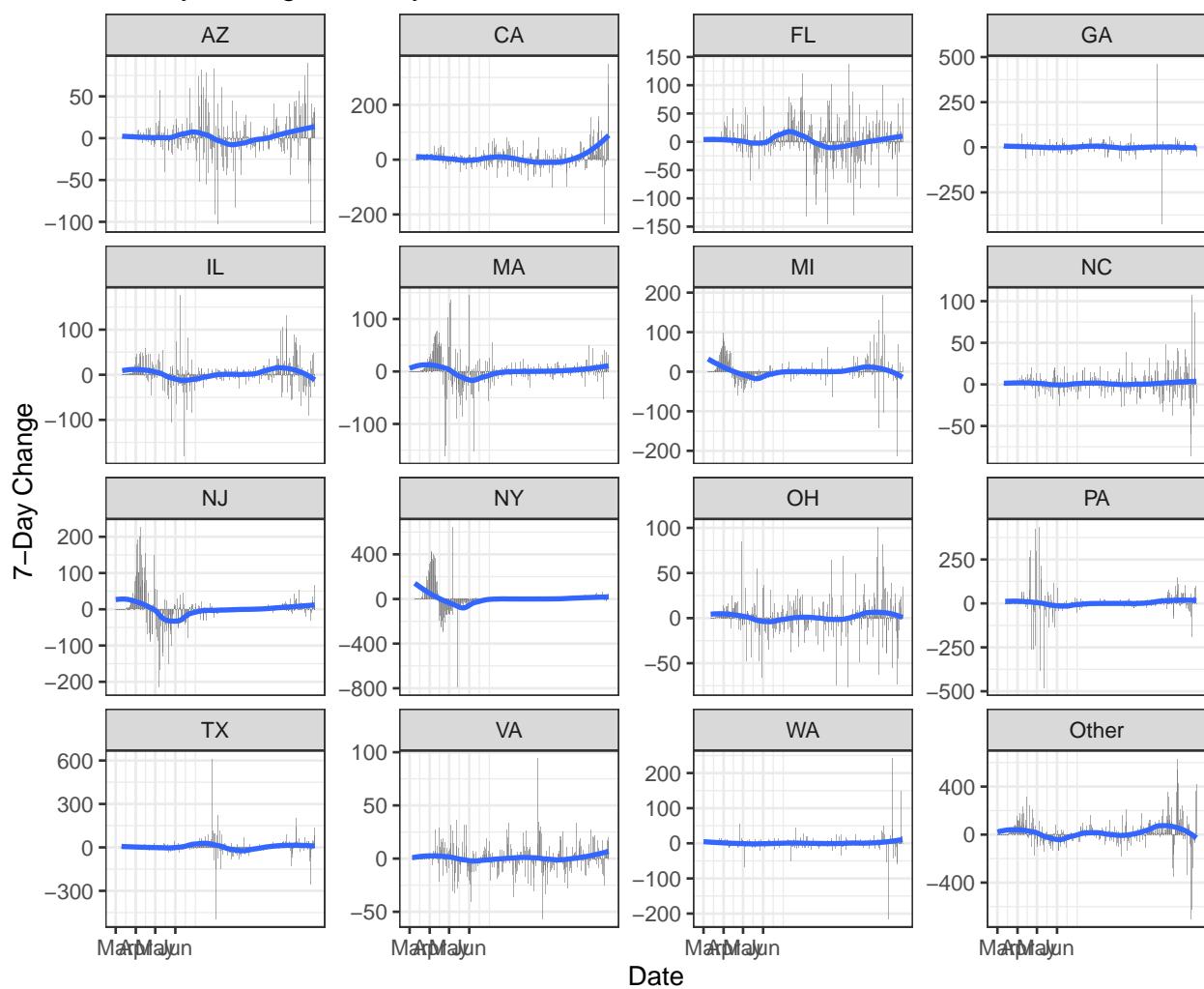
Deaths by State

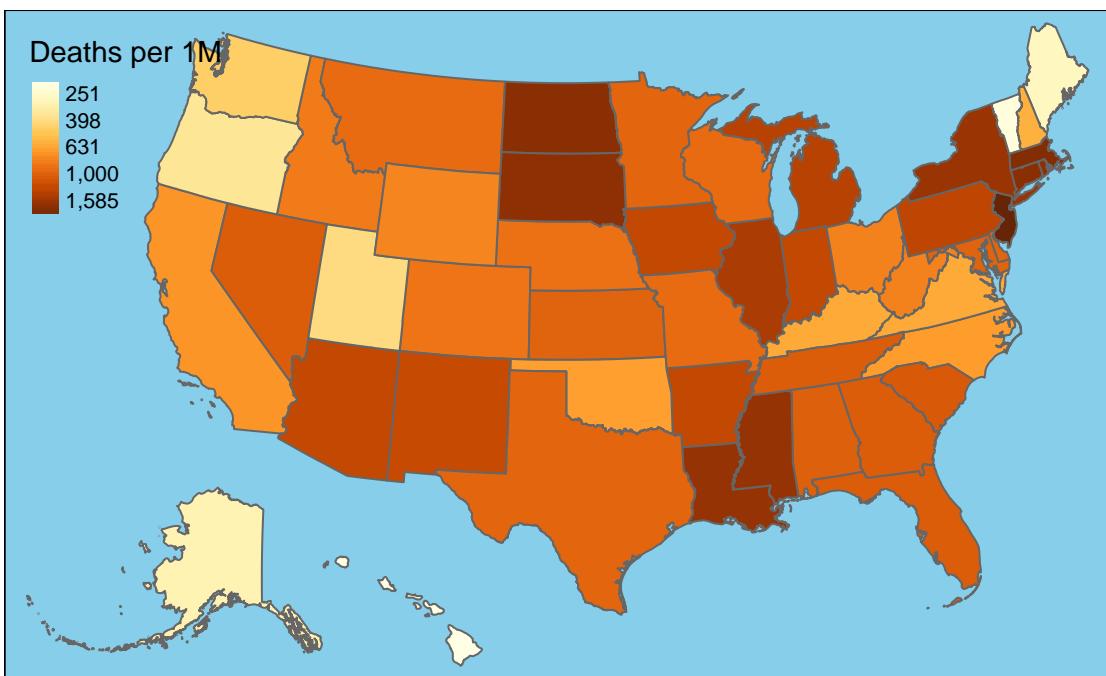
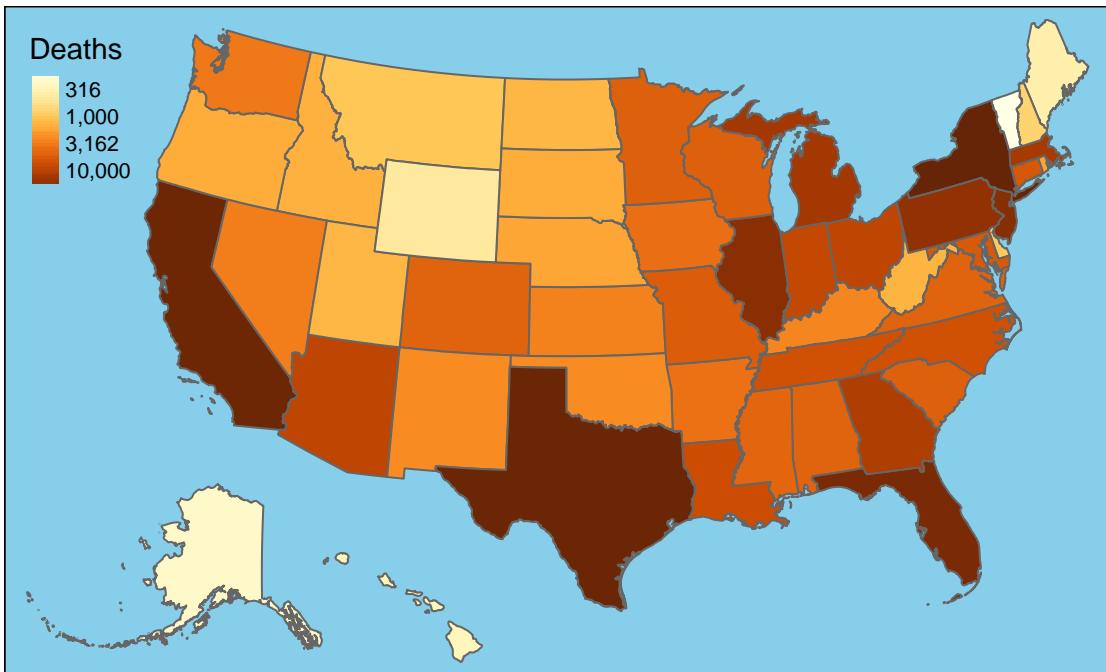


New Deaths by State



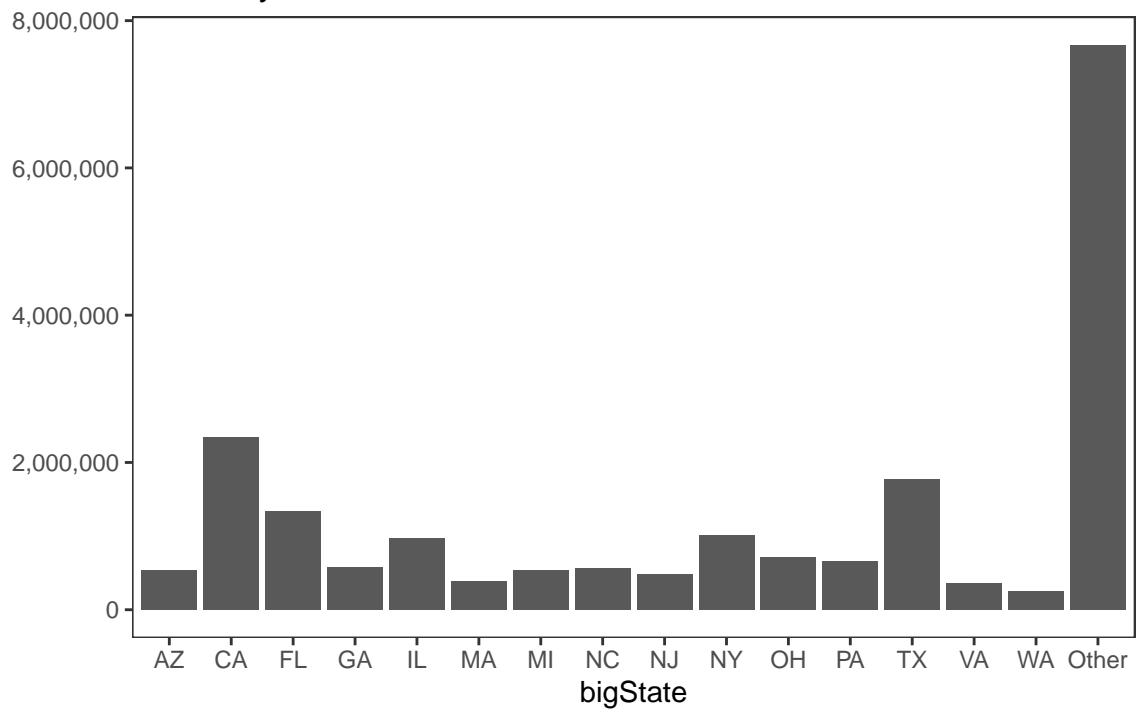
7-Day Change in Daily Deaths



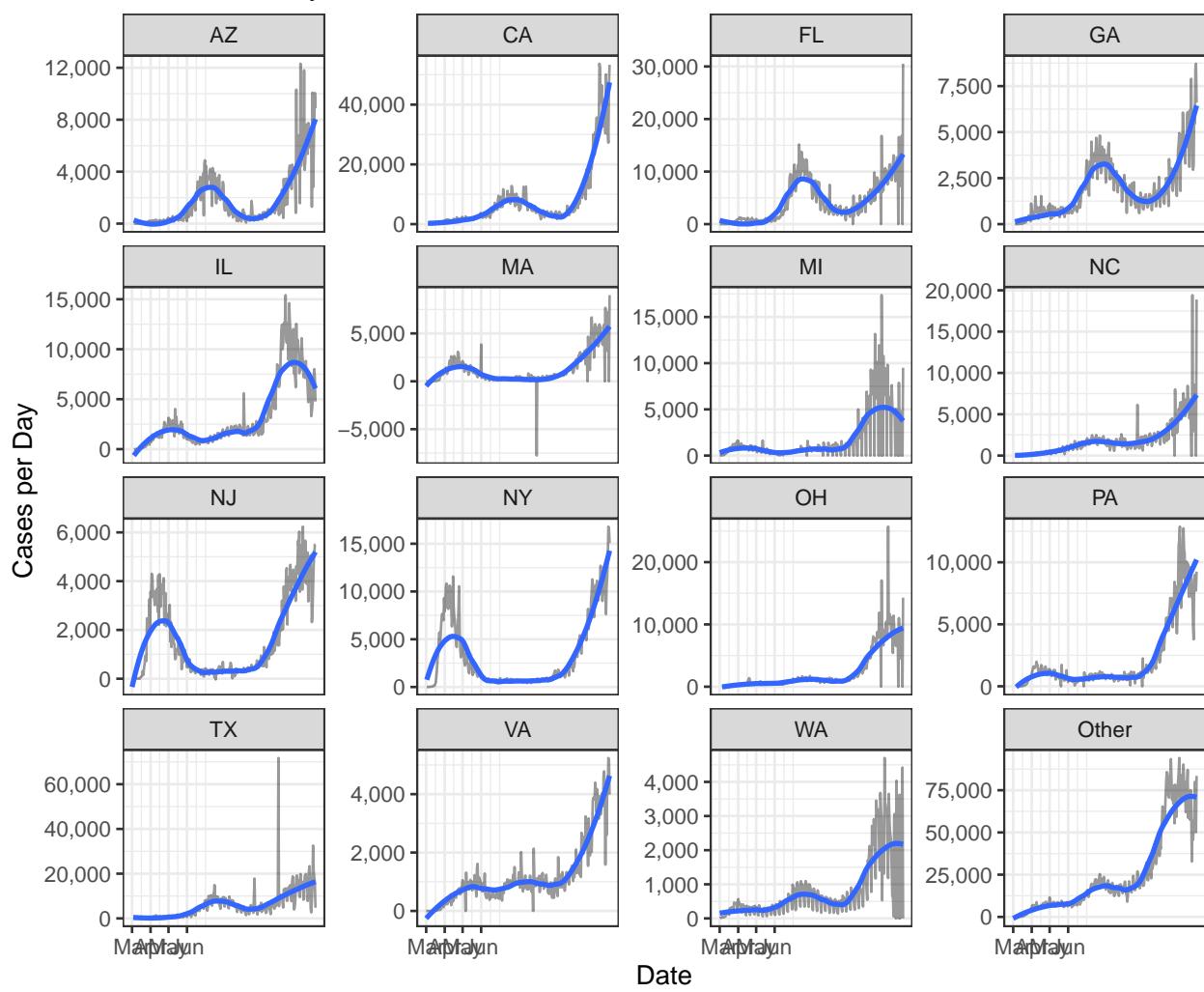


Cases

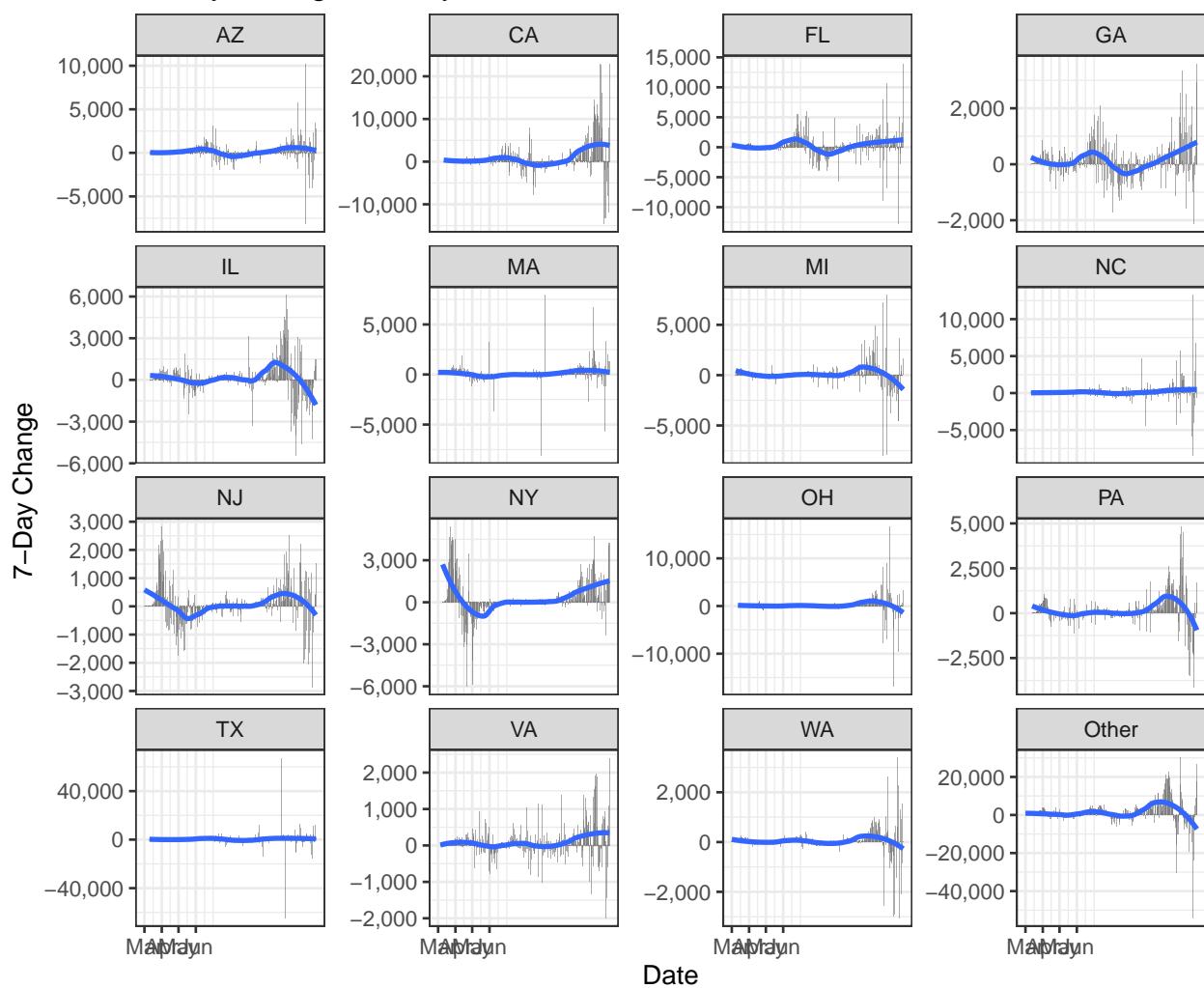
Cases by State

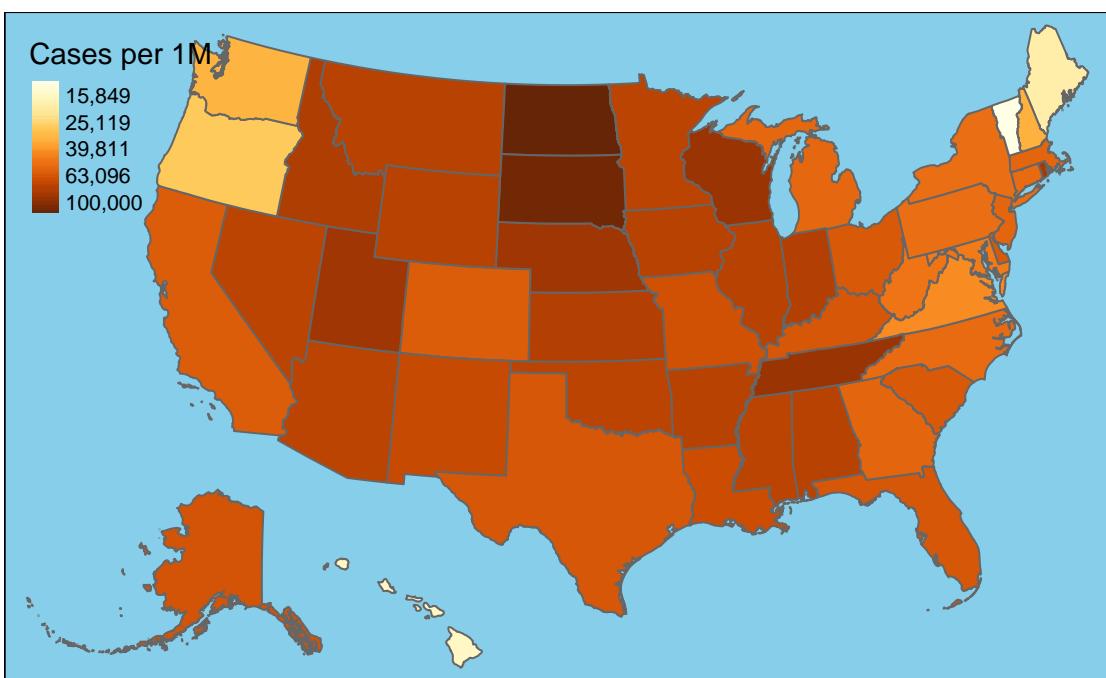
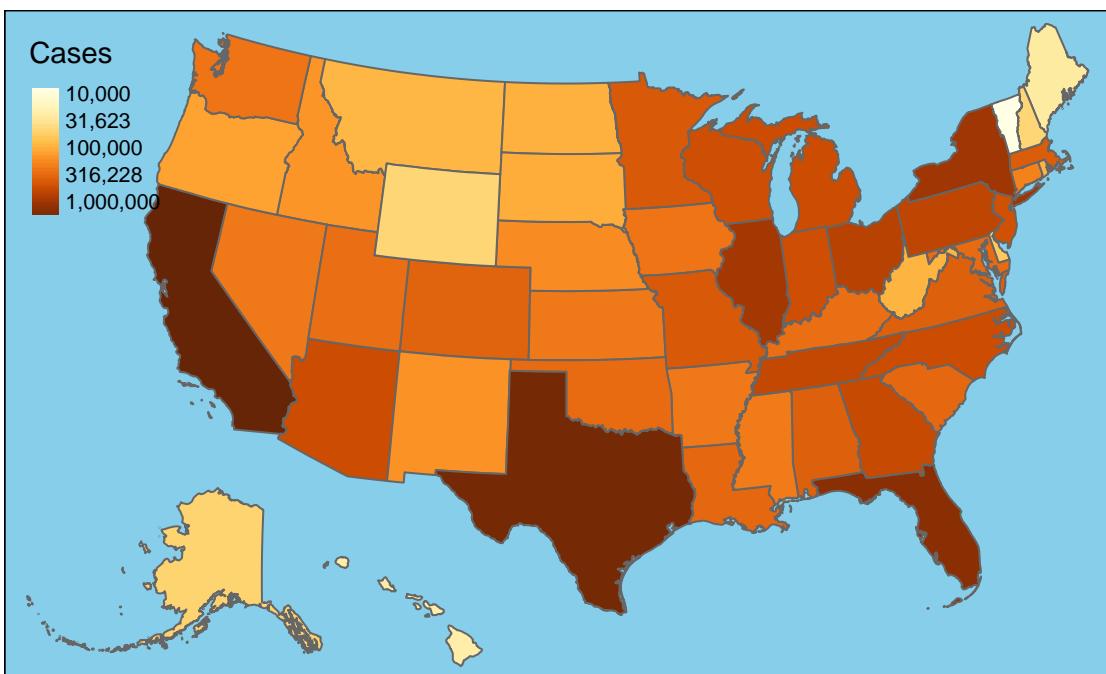


New Cases by State

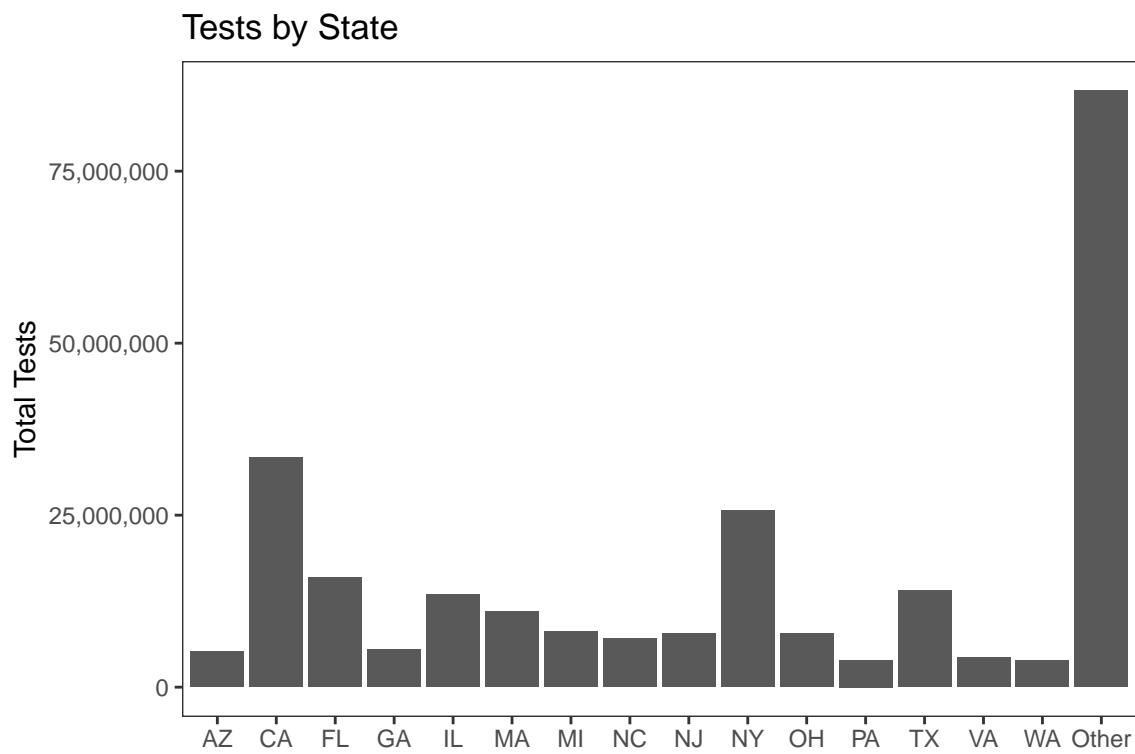


7-Day Change in Daily Cases

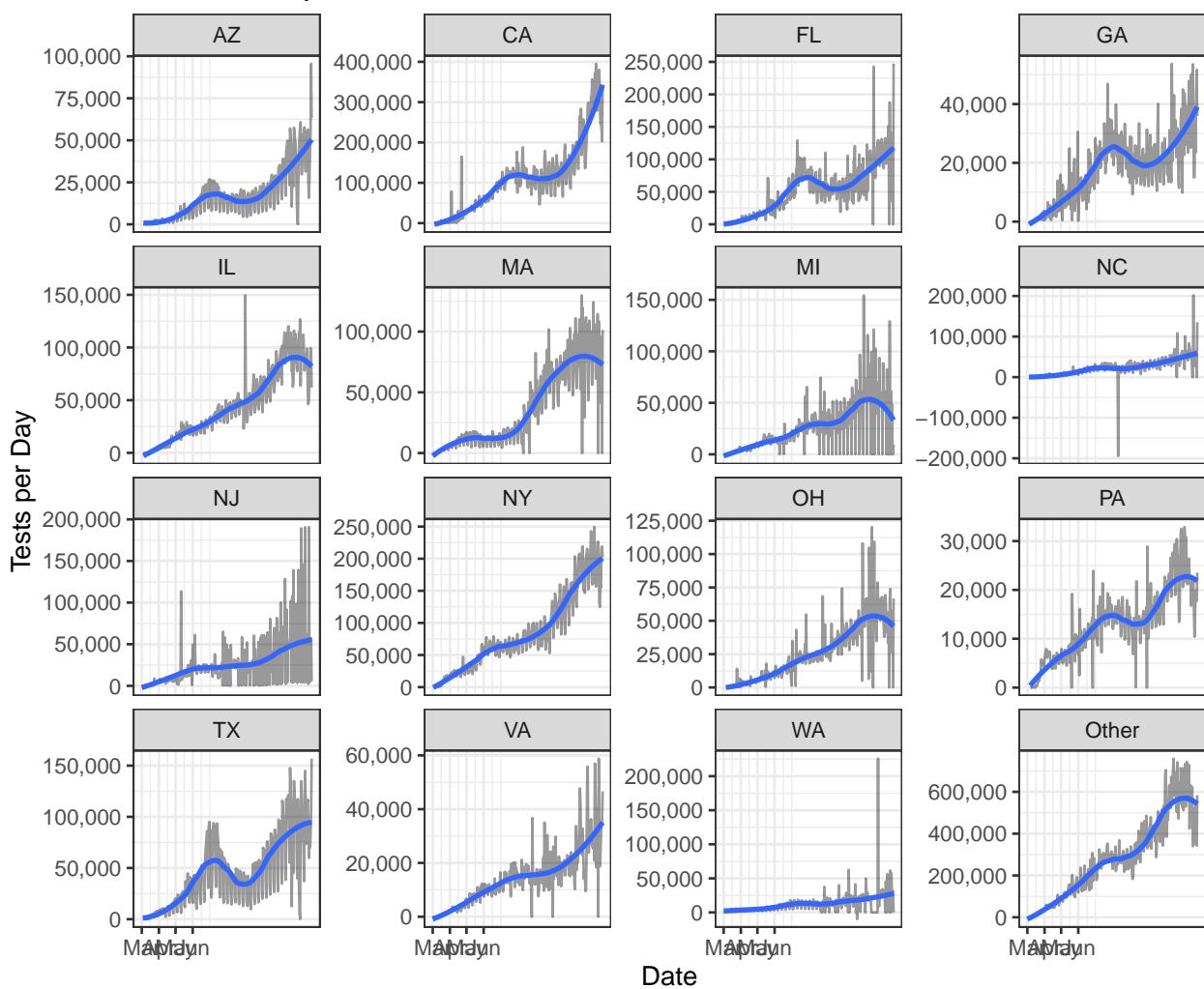


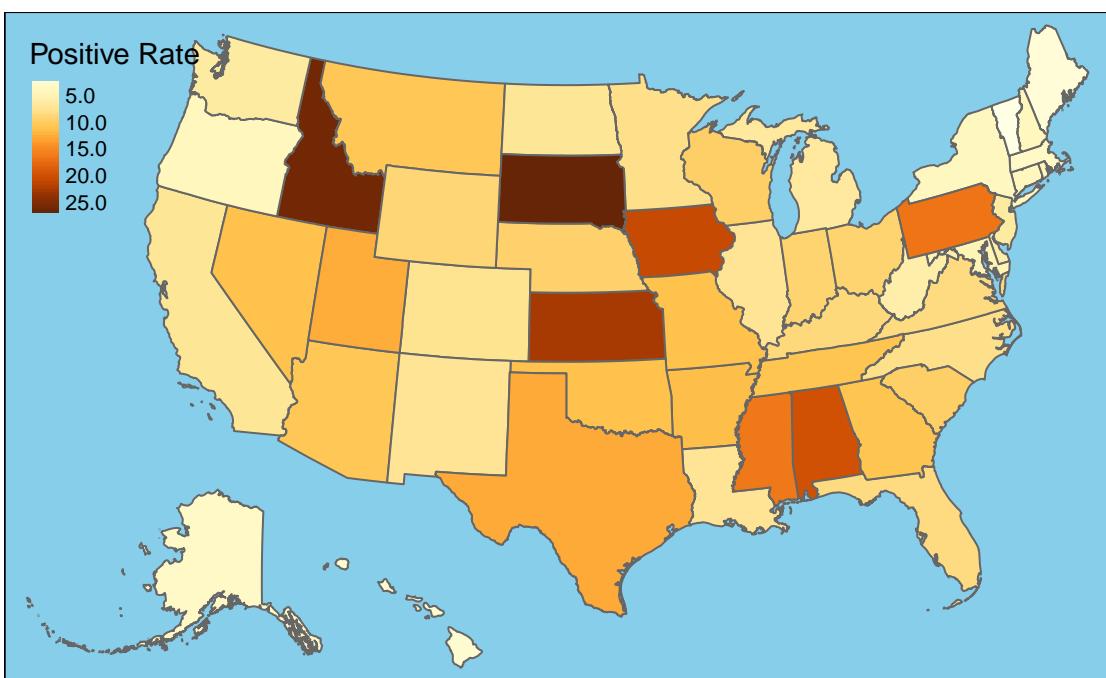
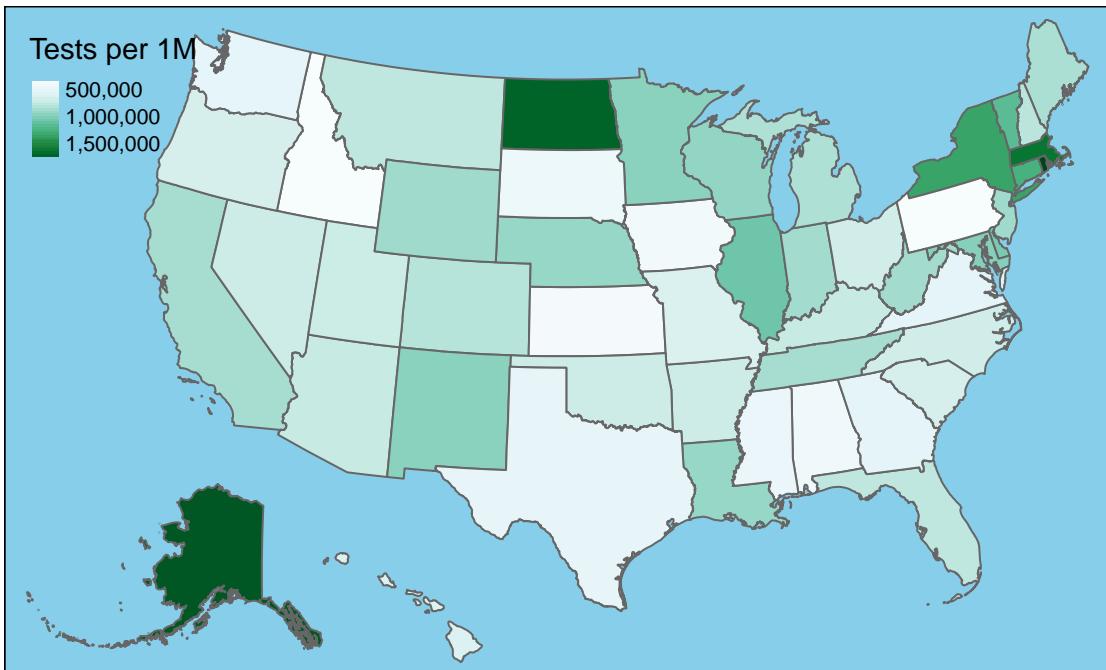


Testing



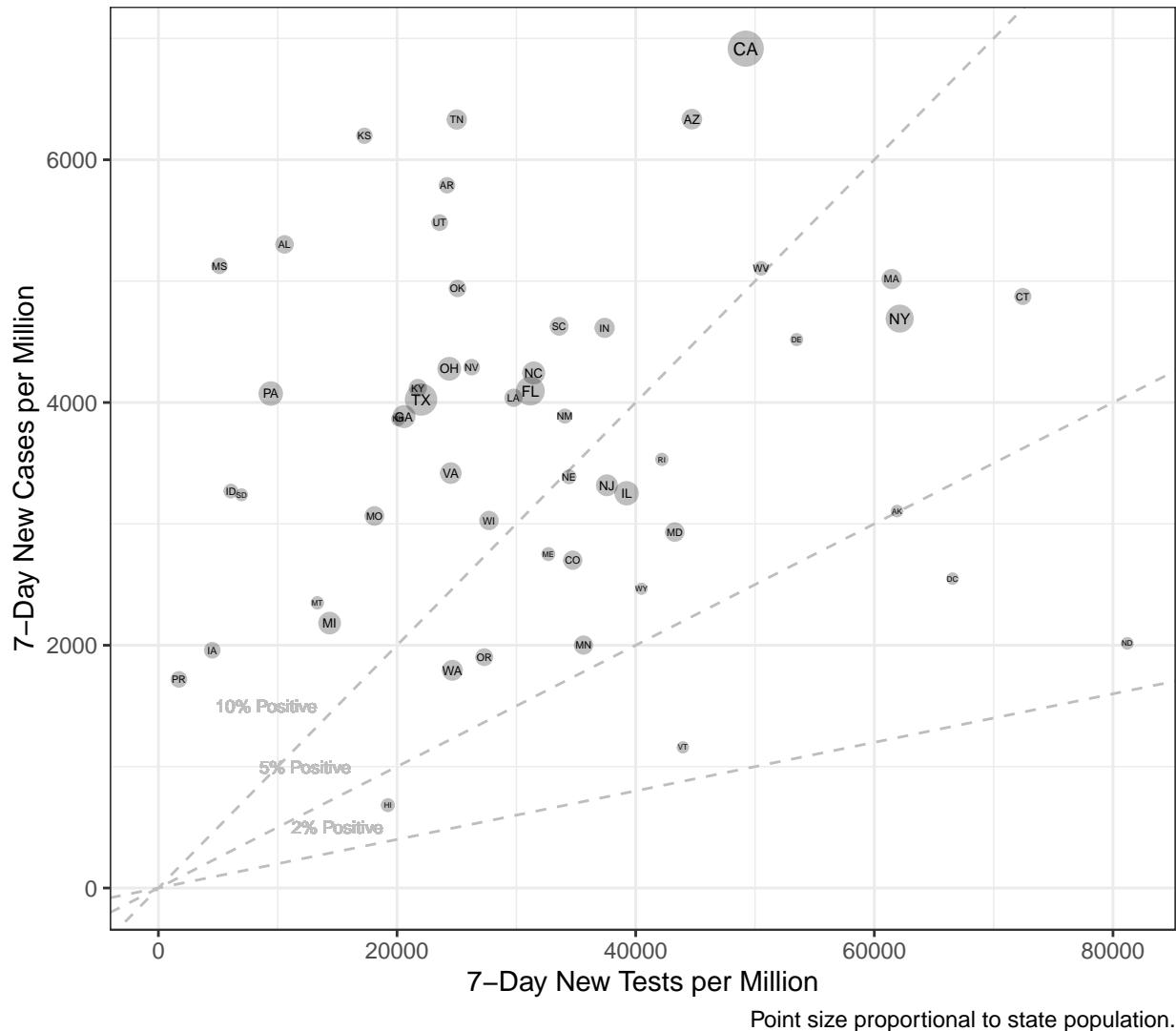
New Tests by State





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



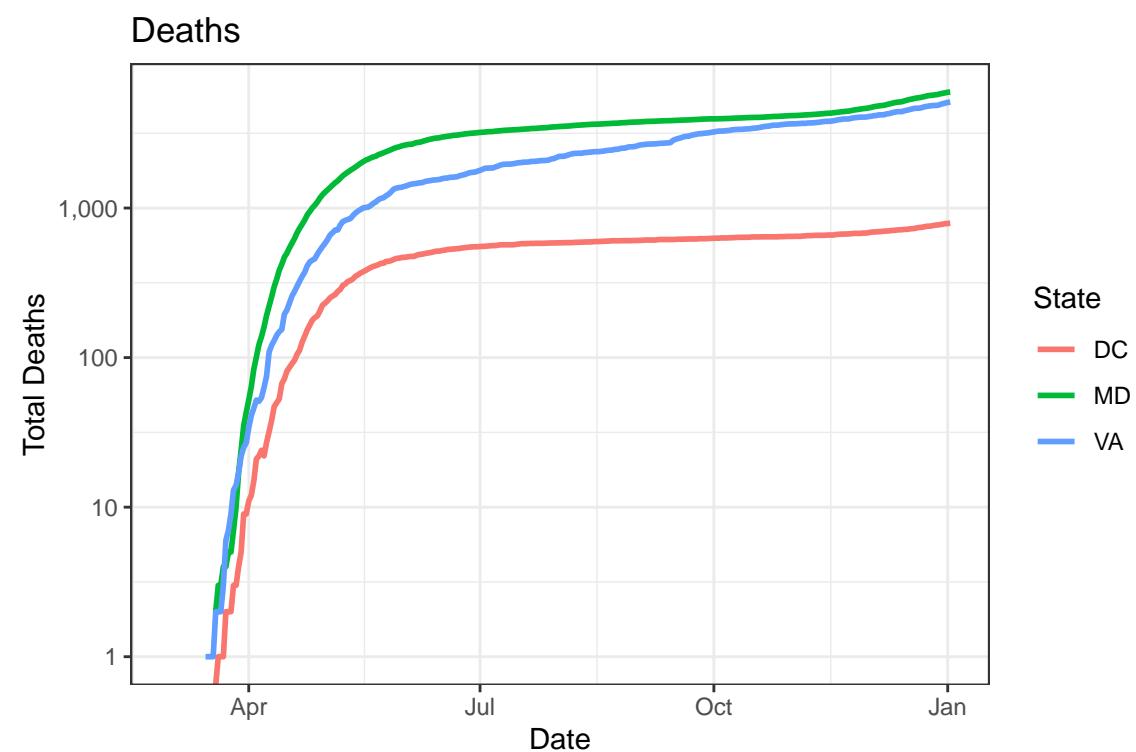
Local Data

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

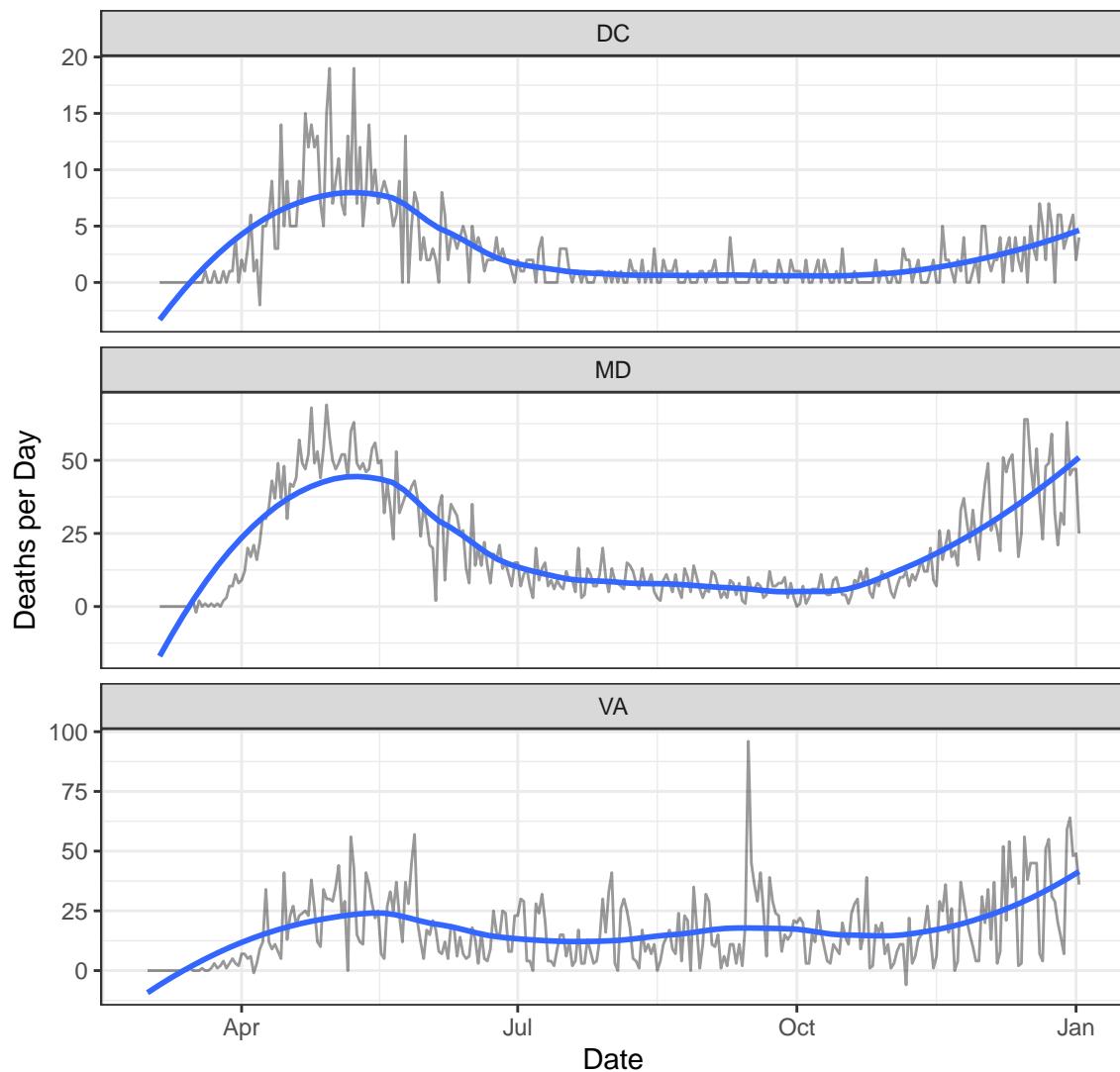
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	29,509	792	257	4
MD	283,171	5,967	2,952	25
VA	358,755	5,117	3,989	36

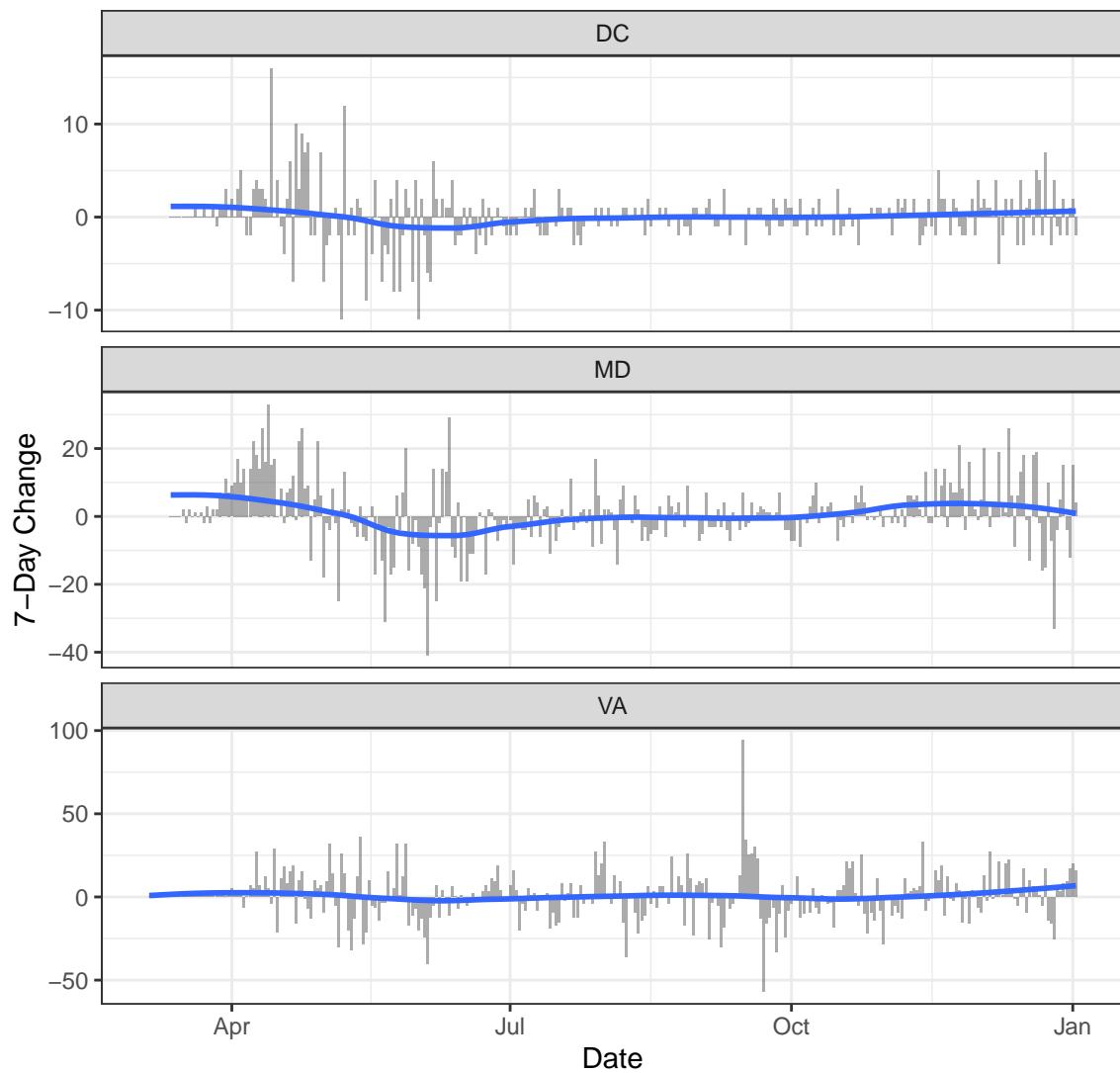
Deaths

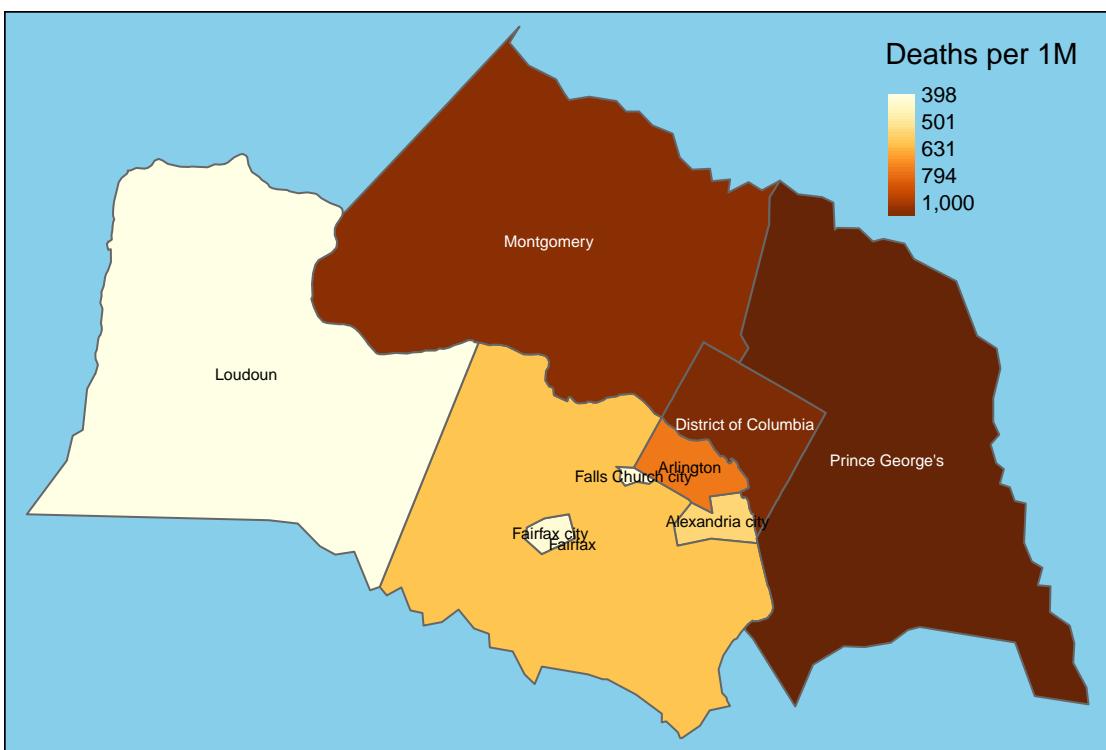
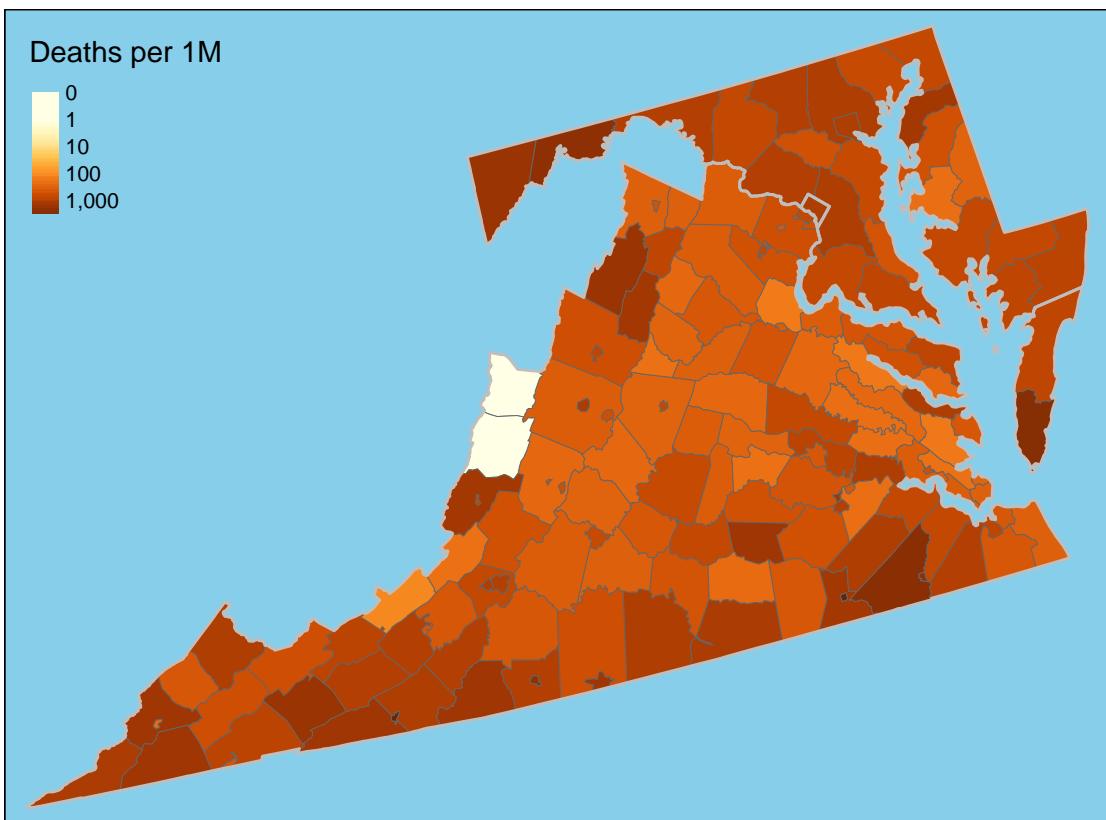


New Deaths

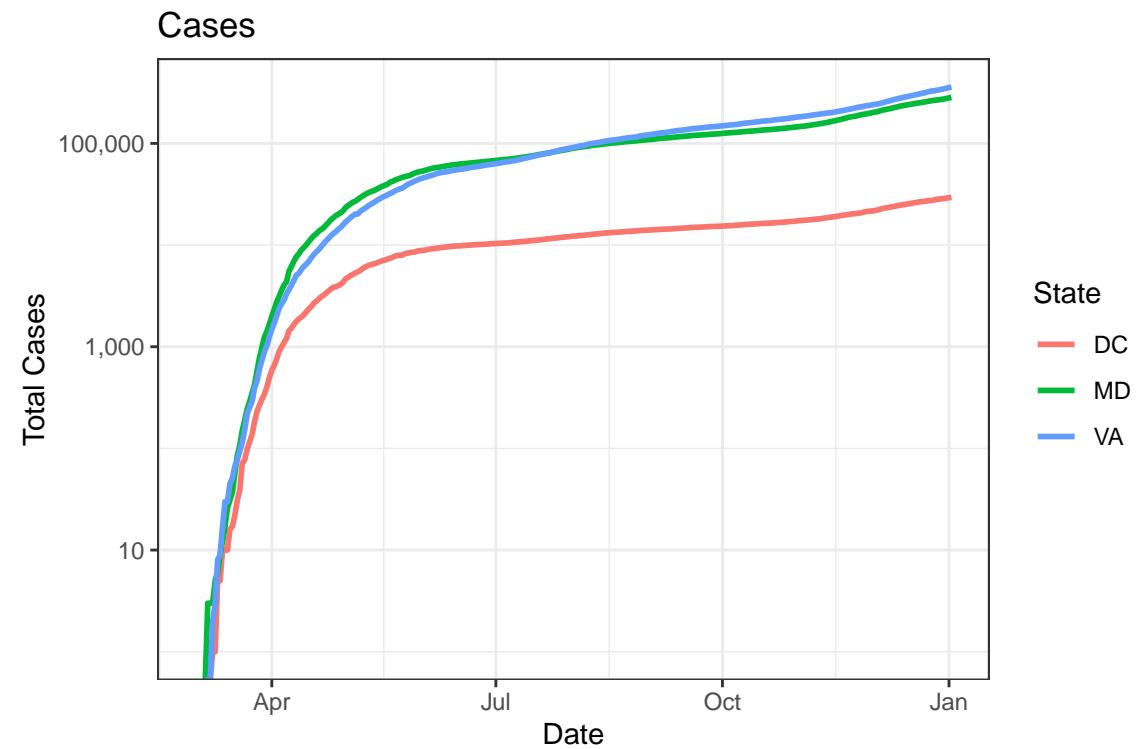


One-Week Change in Daily Deaths

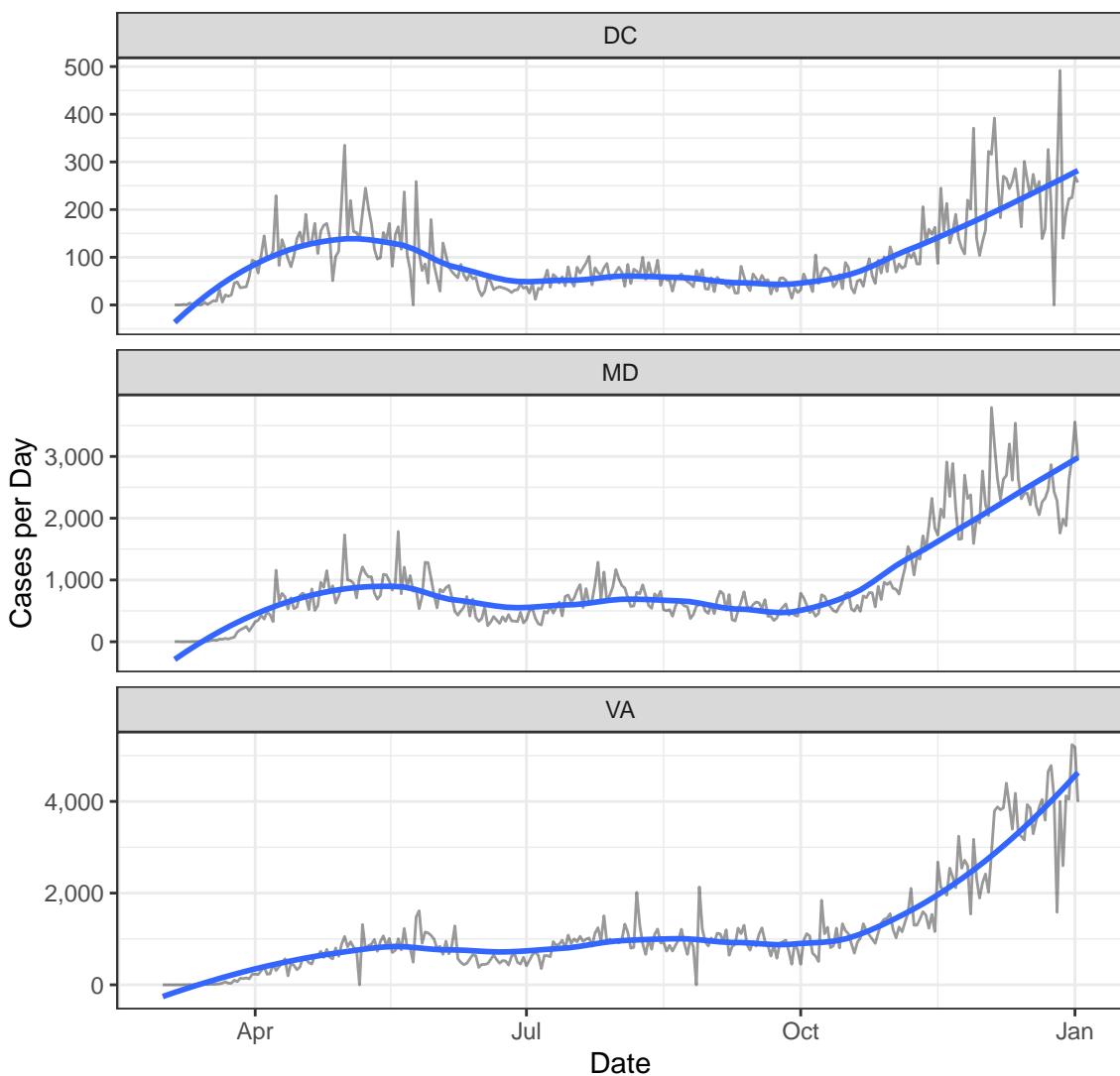




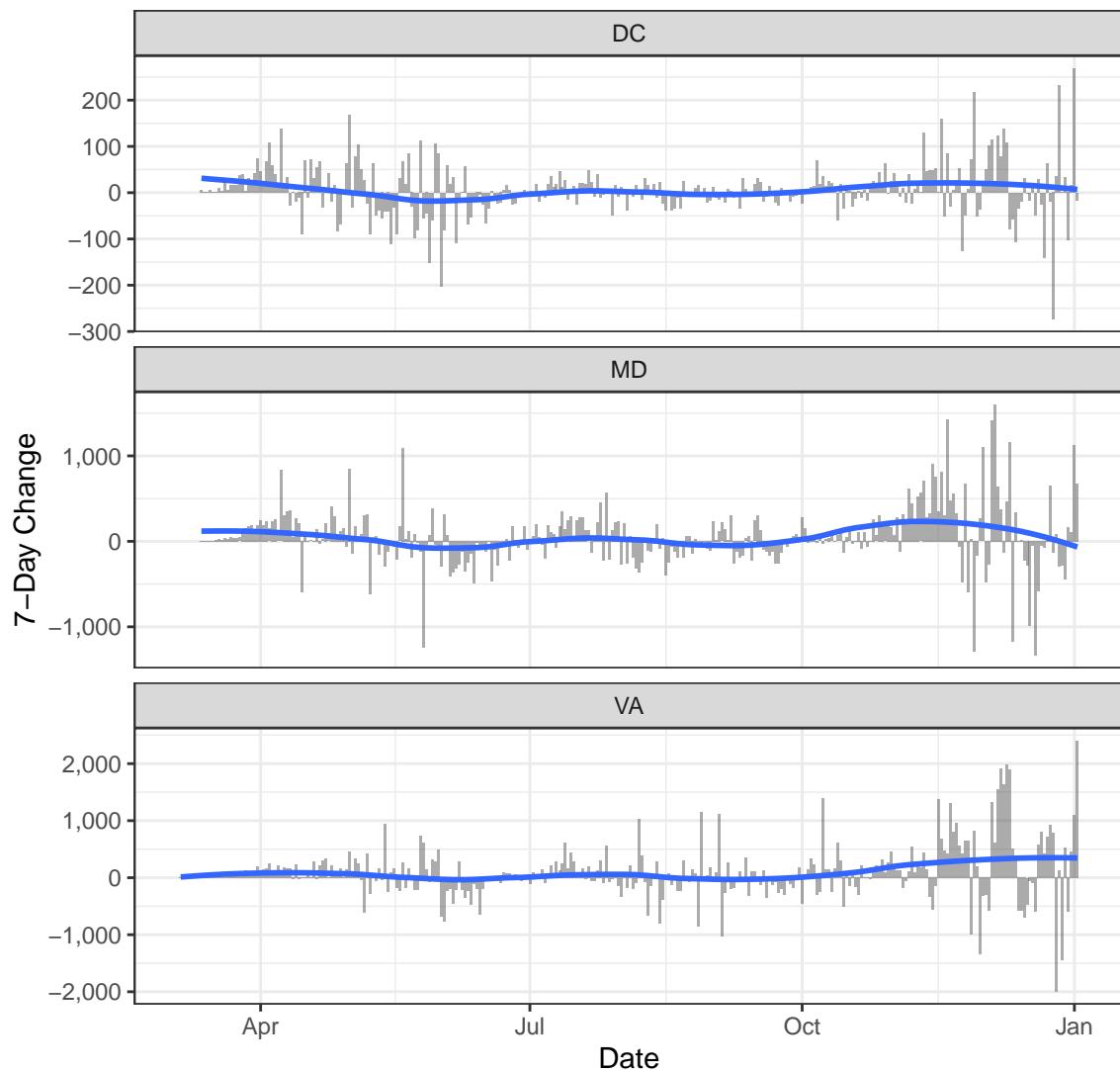
Cases

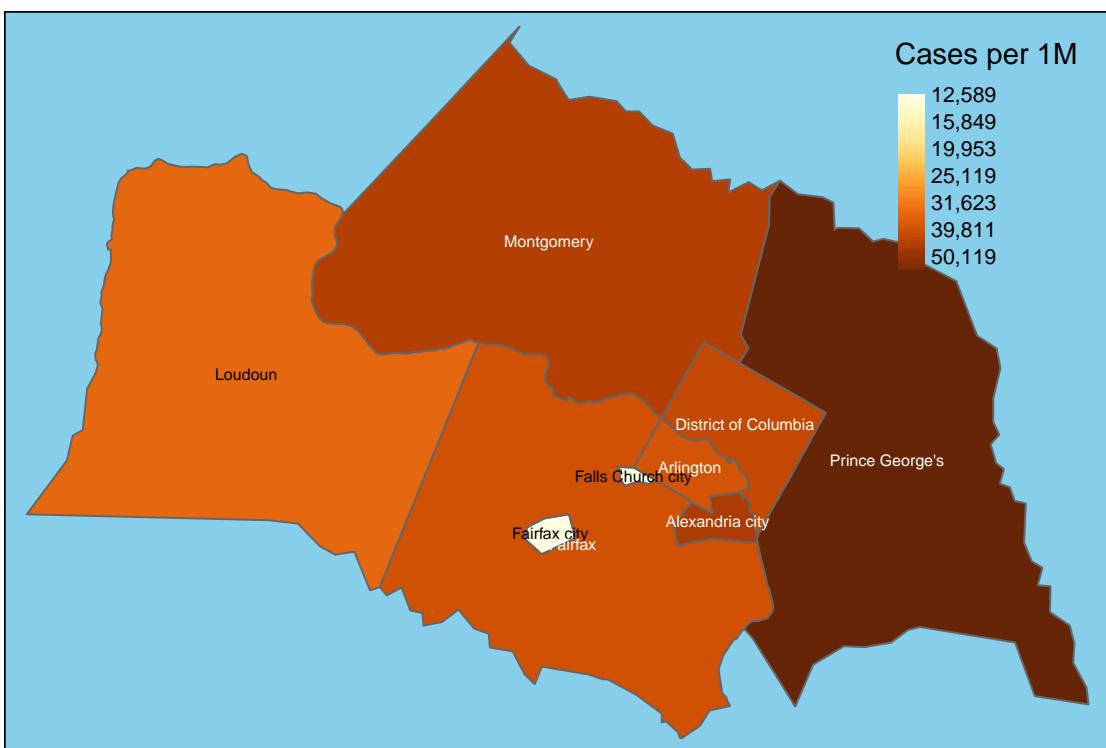
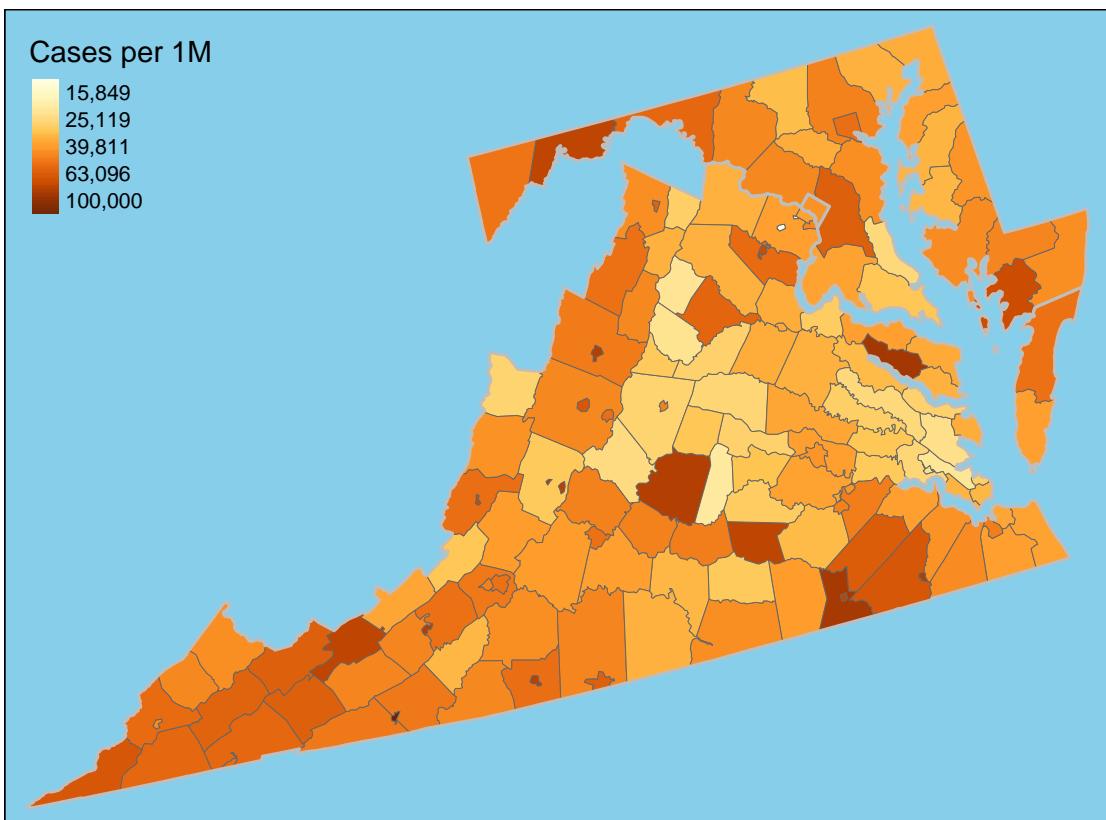


New Cases

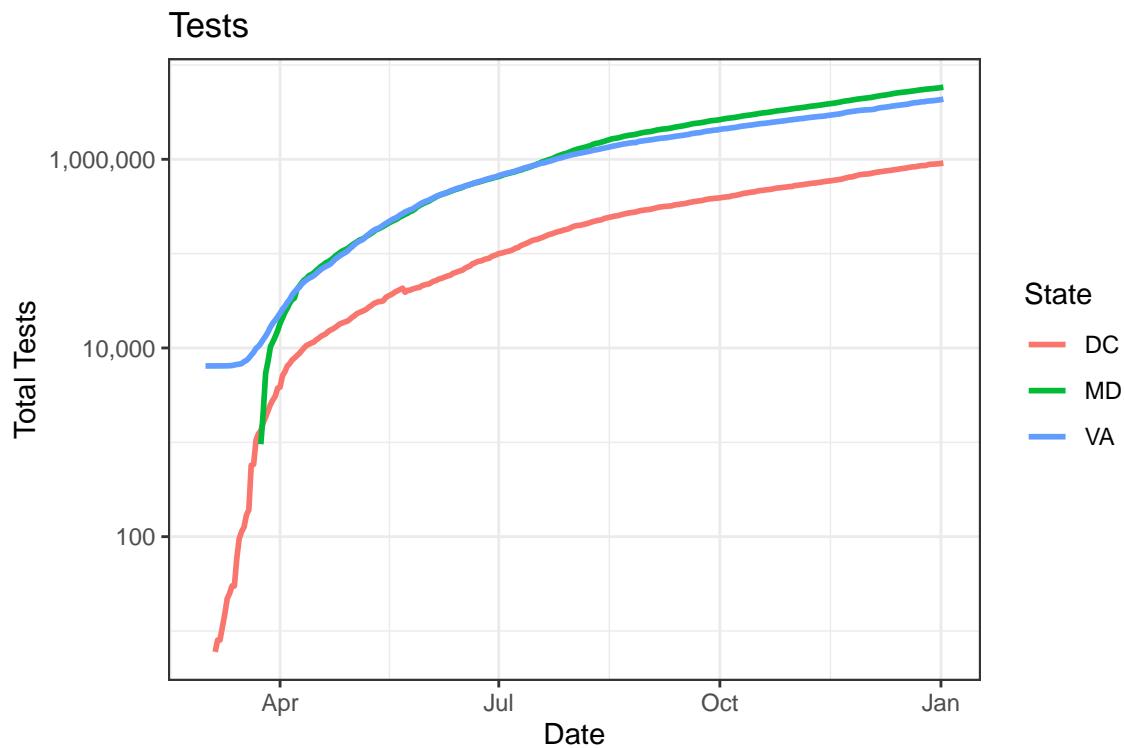


One-Week Change in Daily Cases

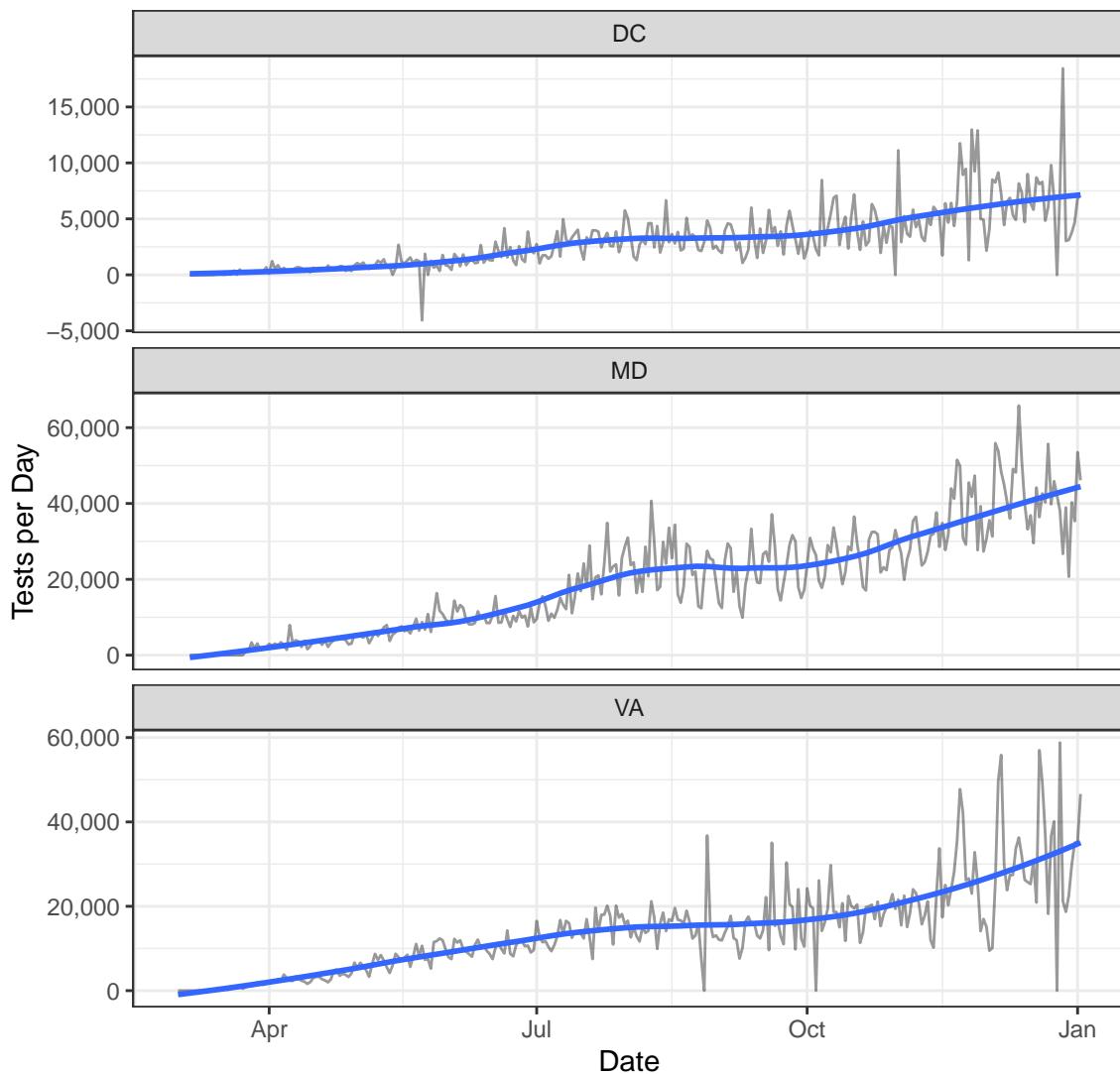




Testing



New Tests



Positive Test Rate

