

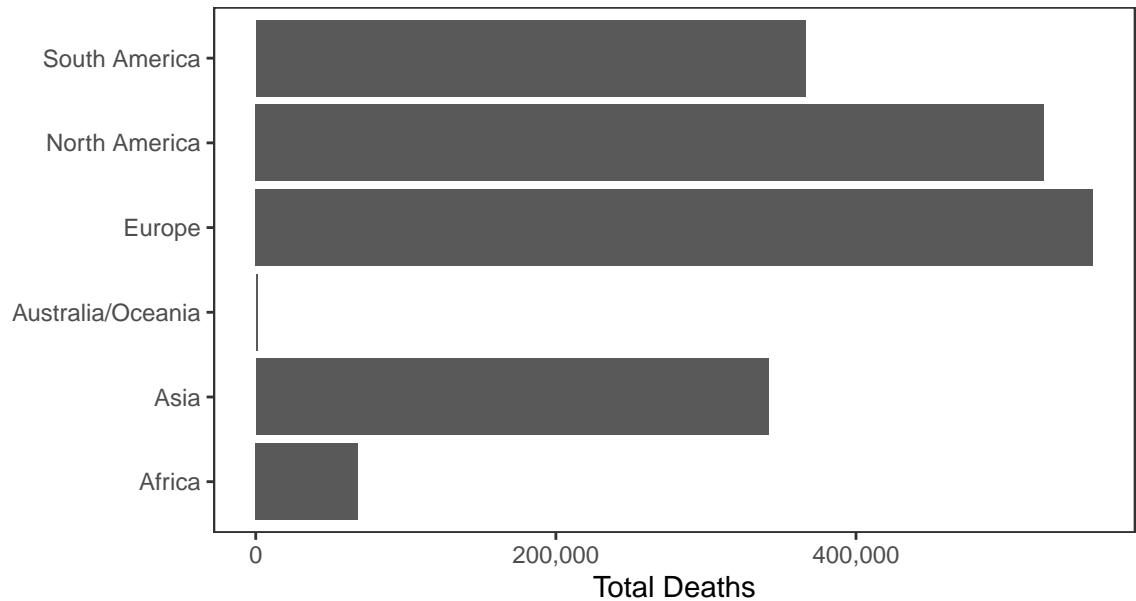
Erik's Covid-19 Chart Pack

Data updated 2021-01-05 08:51:24. 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 86,128,618 confirmed Covid-19 cases and 1,860,580 deaths worldwide.

Deaths



Cases

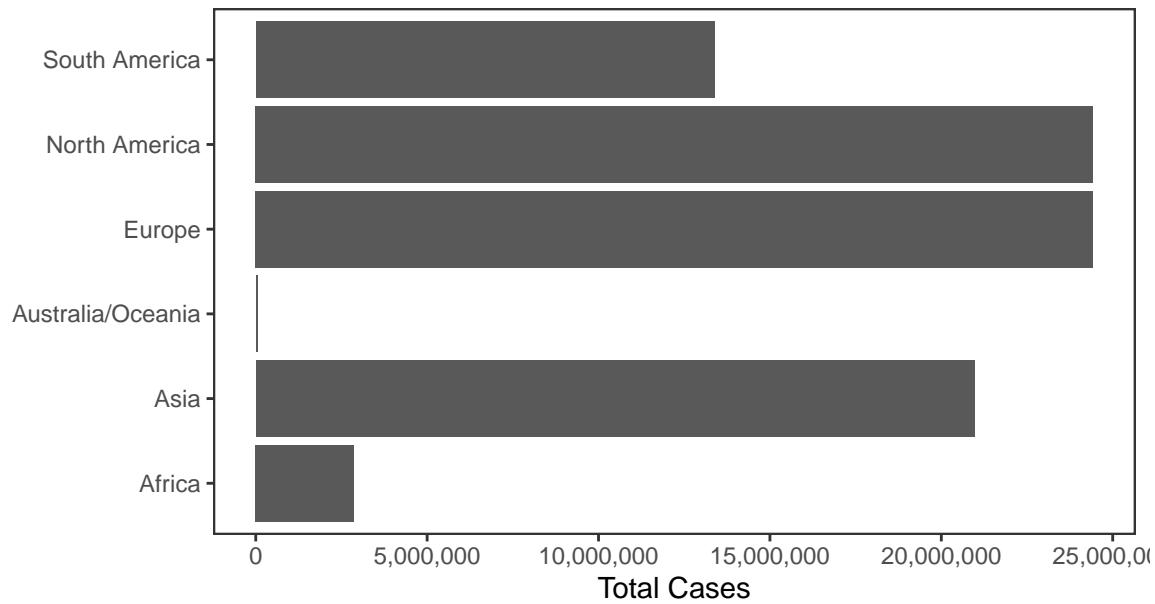
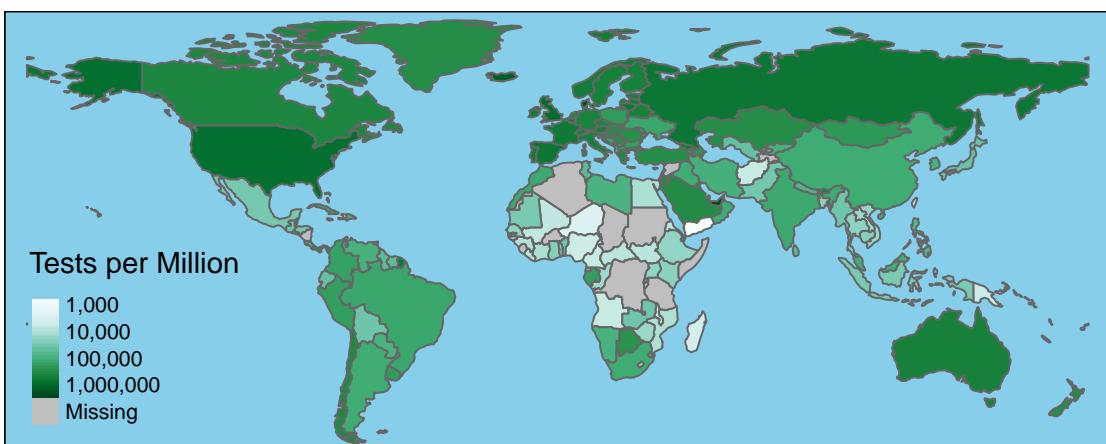
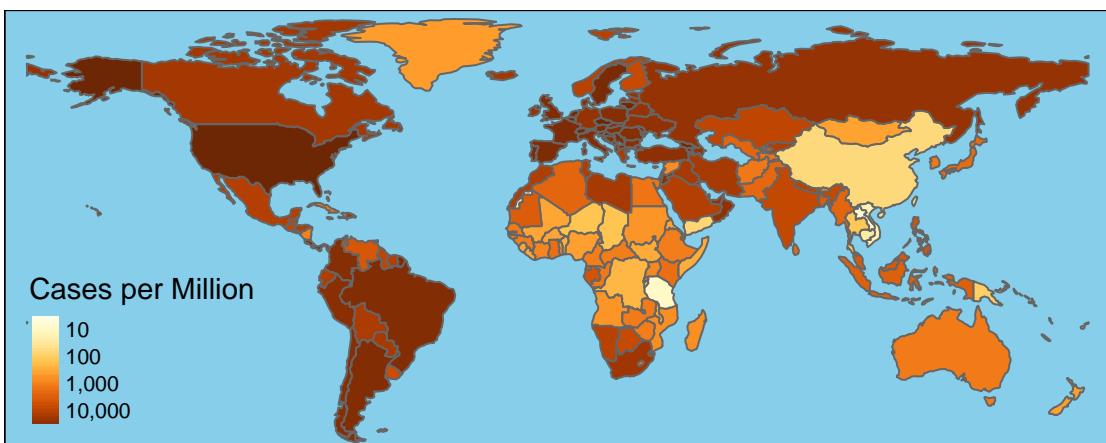
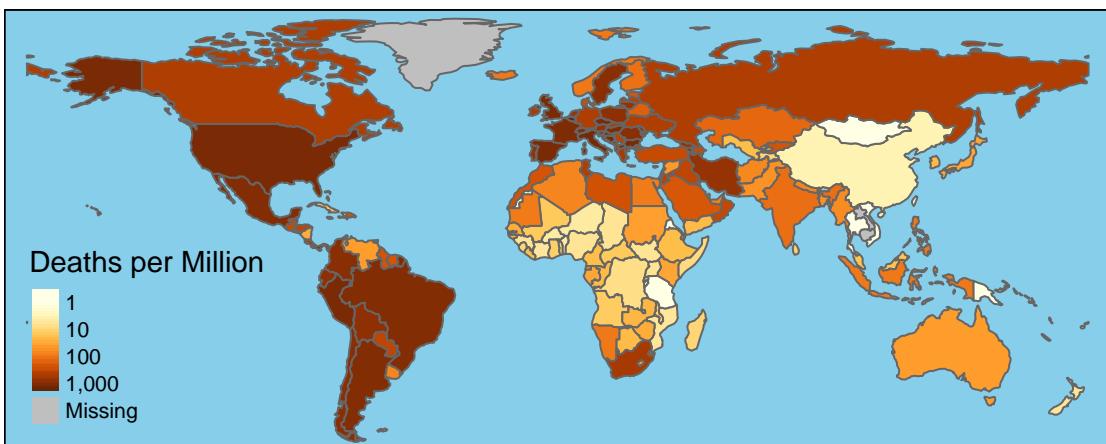


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	21,353,051	362,123	190,165	1,987
India	10,357,569	149,886	16,278	200
Brazil	7,754,560	196,591	20,814	573
Russia	3,260,138	58,988	23,351	482
UK	2,713,563	75,431	58,784	407
France	2,659,750	65,415	4,022	378
Turkey	2,255,607	21,685	13,695	197
Italy	2,166,244	75,680	10,800	348
Spain	1,958,844	51,078	9,043	61
Germany	1,796,216	35,982	12,056	877
Colombia	1,686,131	44,187	10,311	222
Argentina	1,648,940	43,634	8,222	152
Mexico	1,448,755	127,213	5,211	362
Poland	1,322,919	29,161	4,404	42
Iran	1,249,507	55,650	6,073	110
South Africa	1,113,349	30,011	12,601	434
Ukraine	1,078,251	18,927	4,158	73
Peru	1,021,058	37,873	1,583	43
Netherlands	827,726	11,675	6,563	63
Indonesia	772,103	22,911	6,753	177



National Data

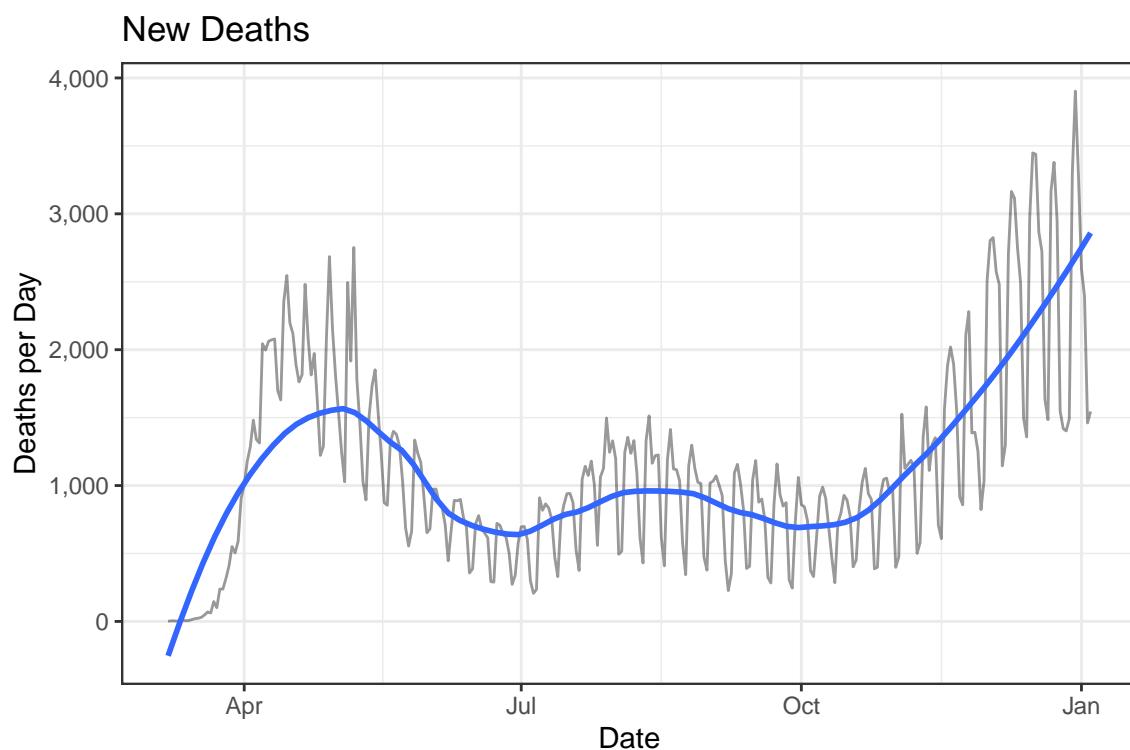
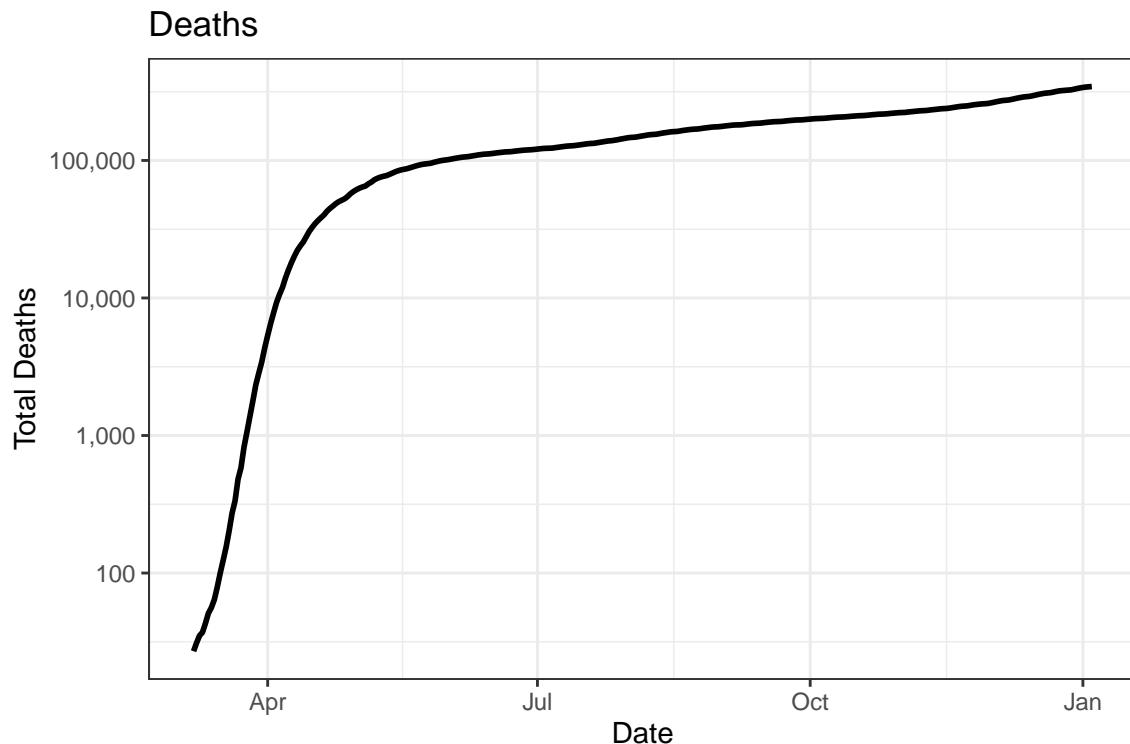
There have been 20,560,549 confirmed Covid-19 cases and 344,808 deaths in the United States.

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

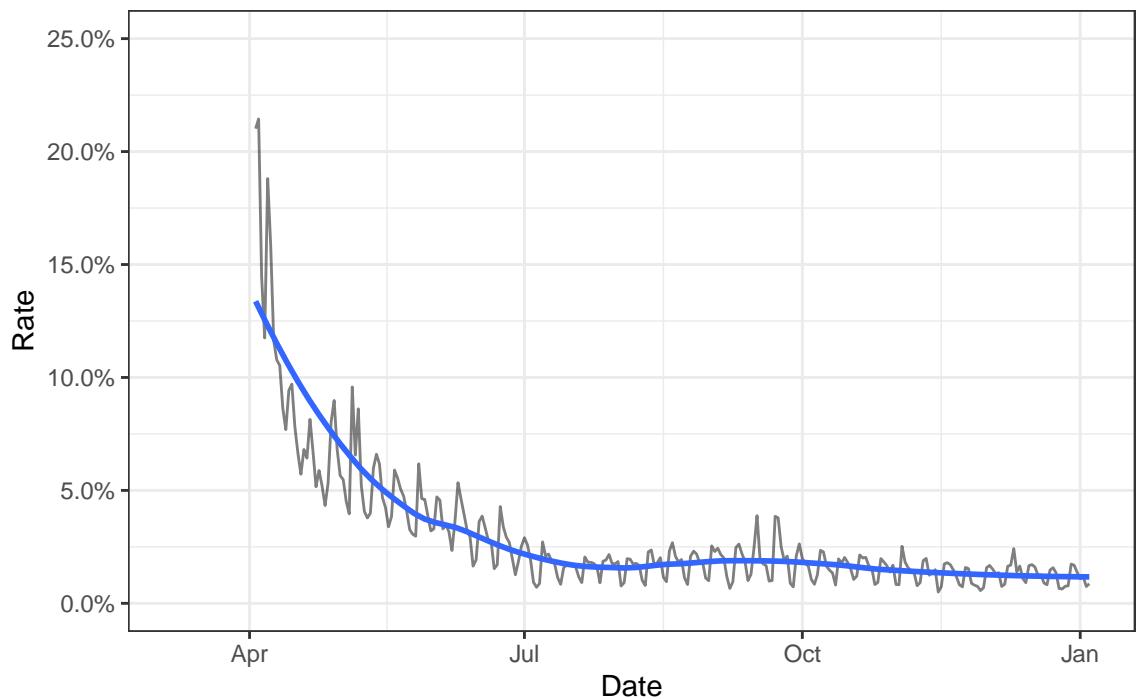
Date	Cases	Deaths	New Cases	New Deaths
2021-01-04	20,560,549	344,808	177,669	1,545
2021-01-03	20,382,880	343,263	207,726	1,461
2021-01-02	20,175,154	341,802	278,680	2,395
2021-01-01	19,896,474	339,407	179,852	2,596
2020-12-31	19,716,622	336,811	223,036	3,287
2020-12-30	19,493,586	333,524	225,671	3,903
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

Deaths

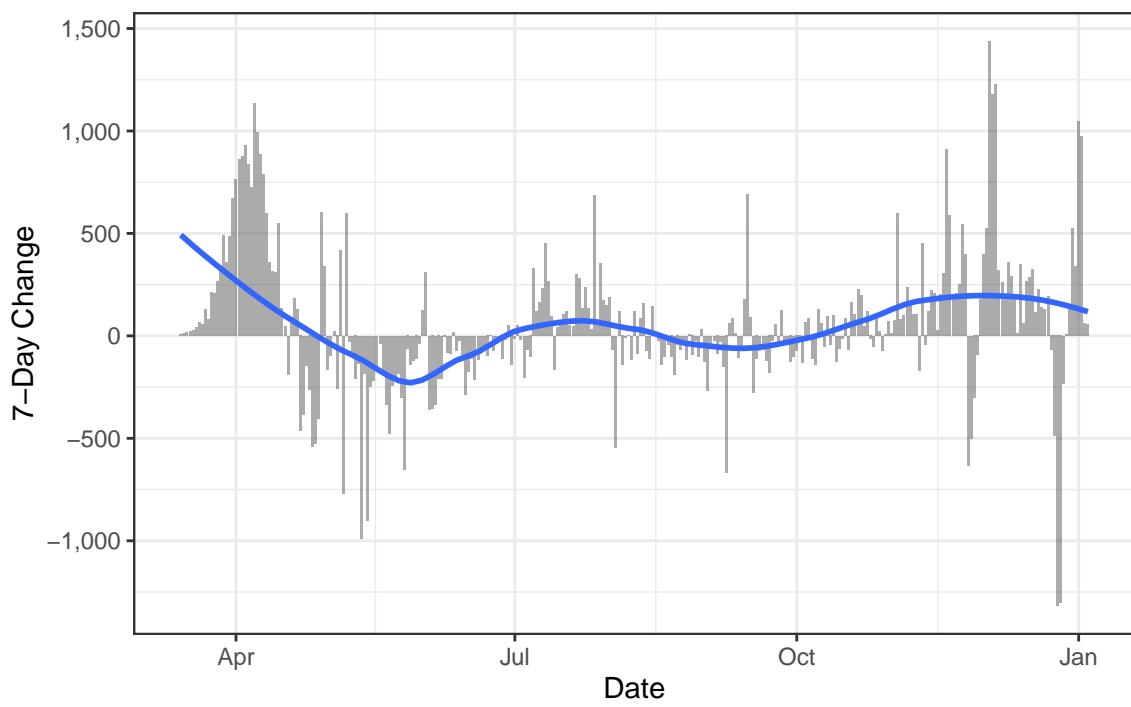
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

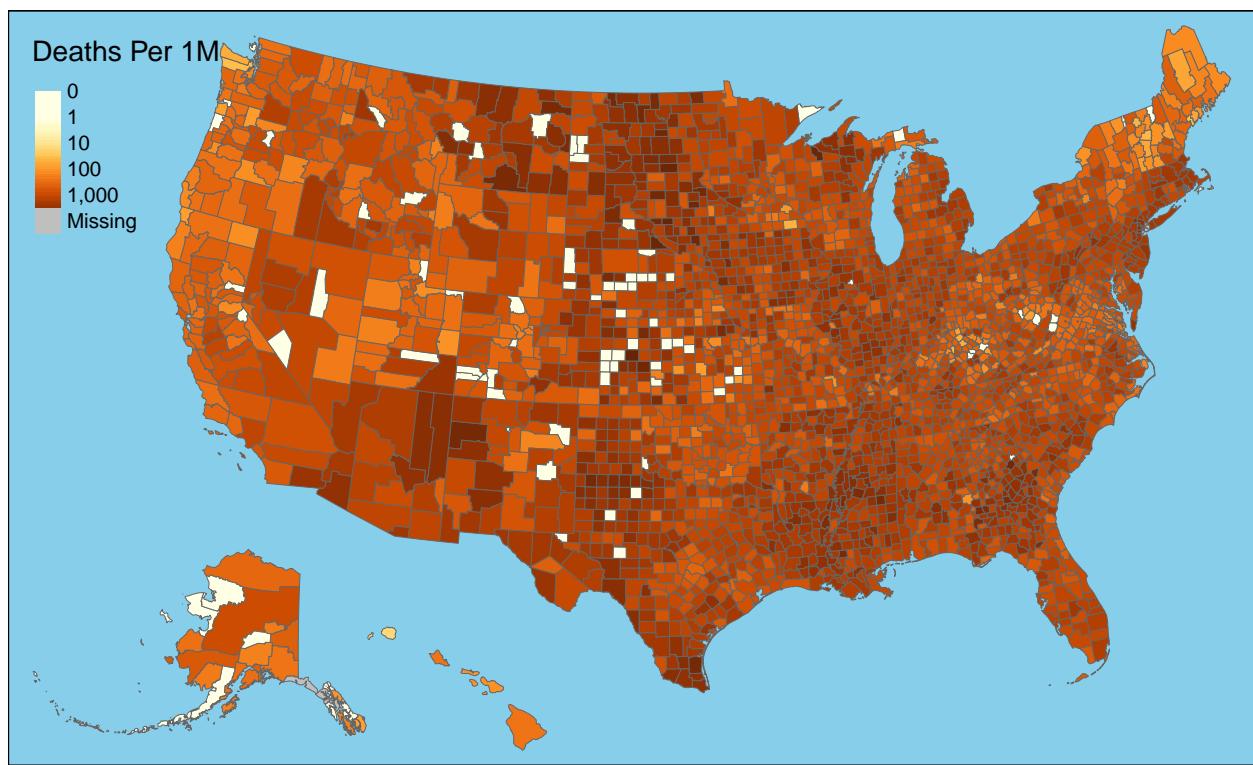


Daily Case Mortality Rate



One-Week Change in Daily Deaths

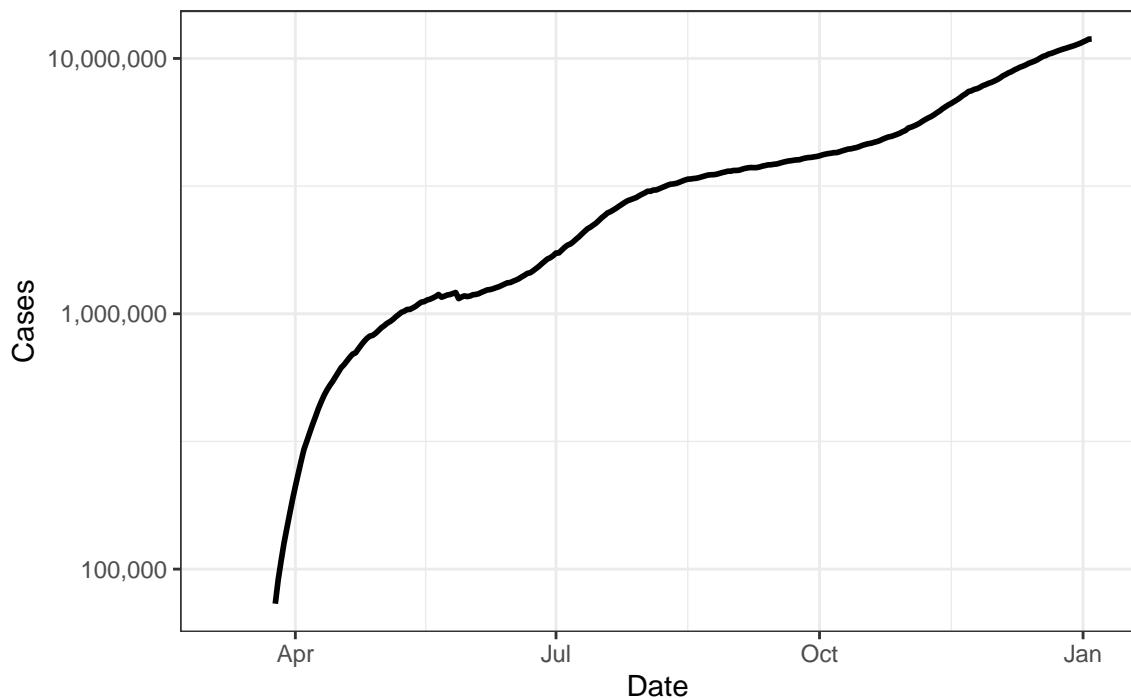




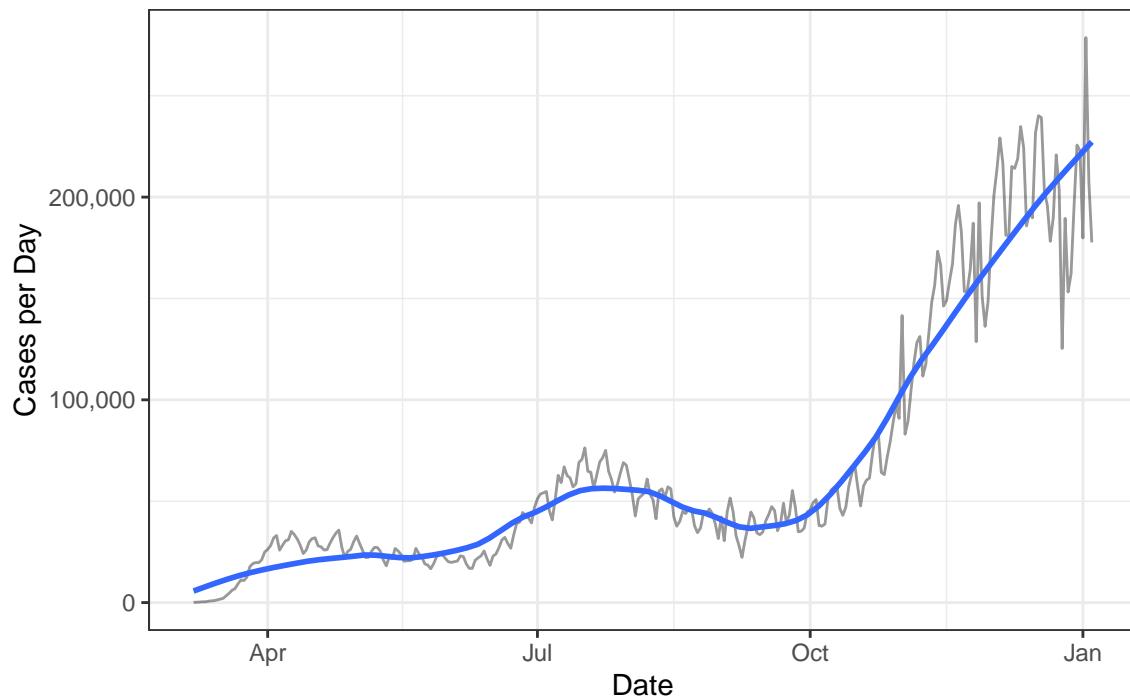
Cases

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

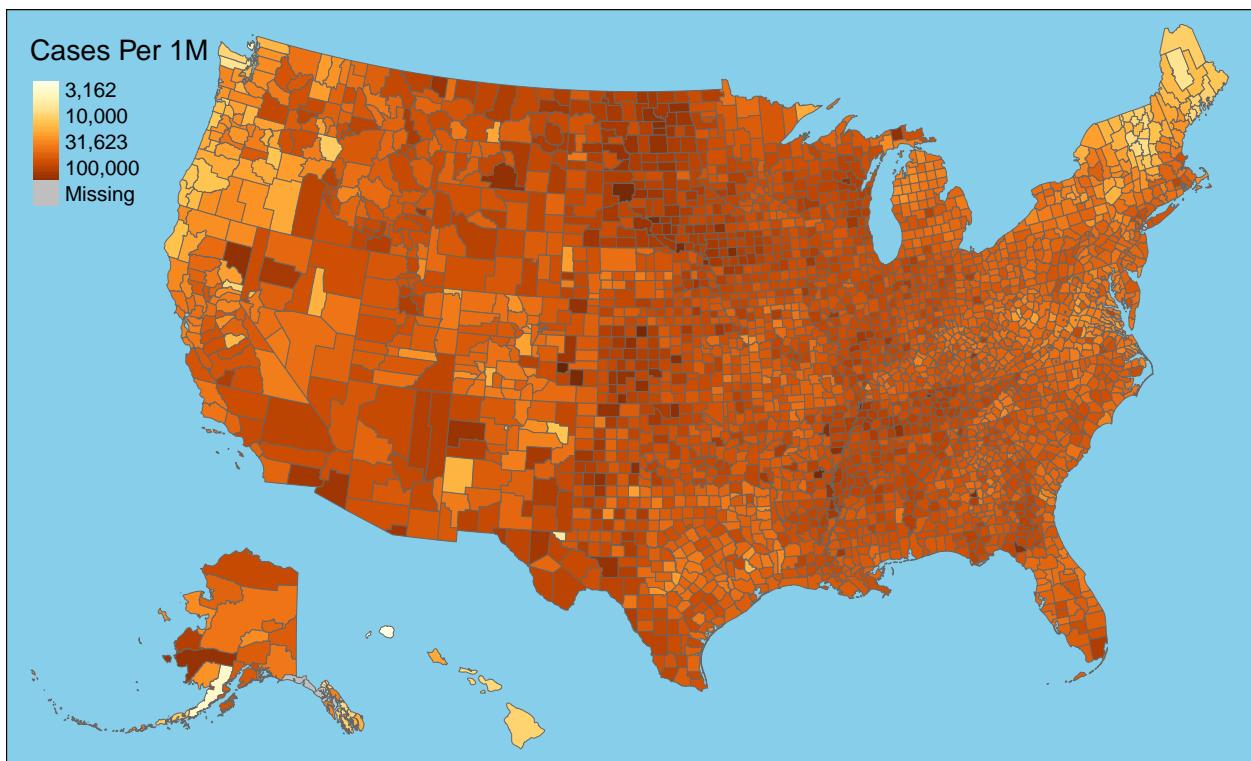
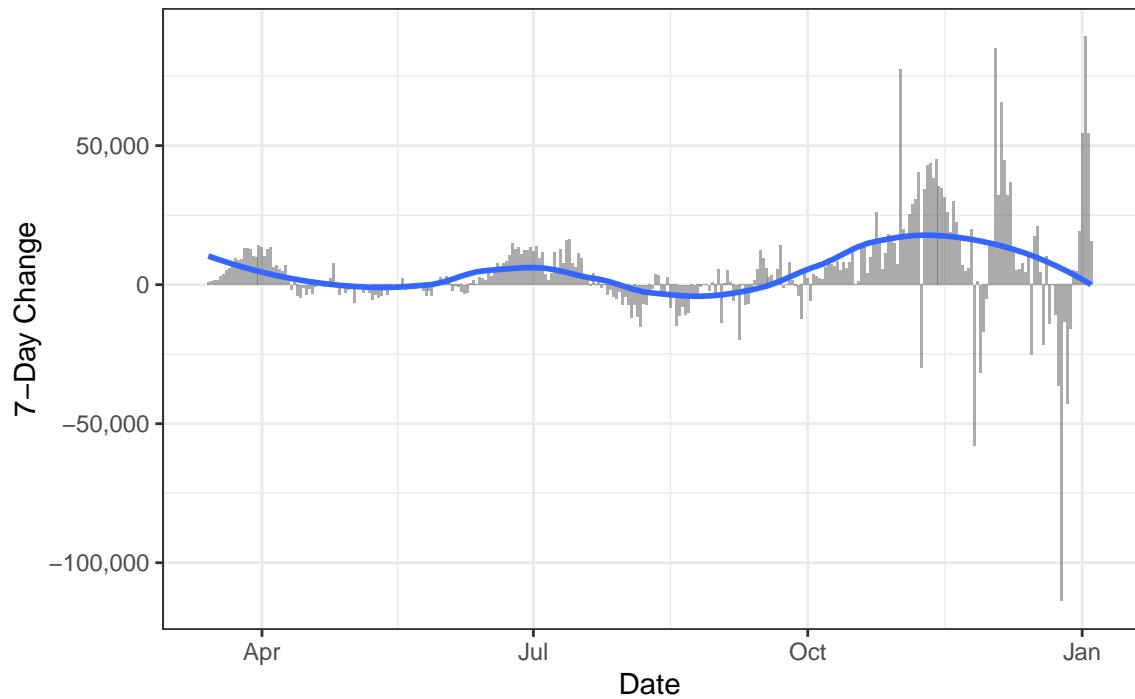
Active Cases



New Cases

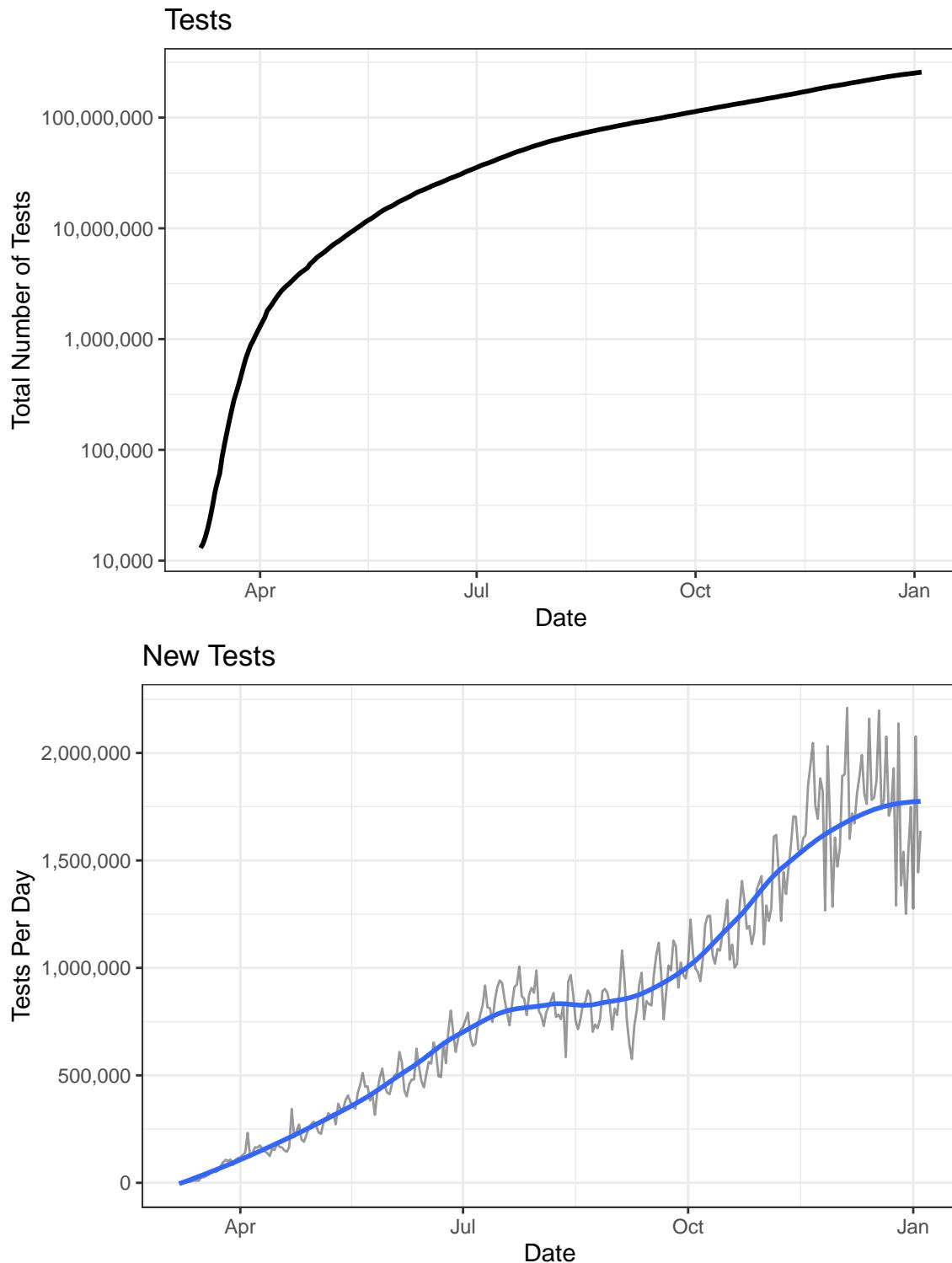


One-Week Change in Daily Cases

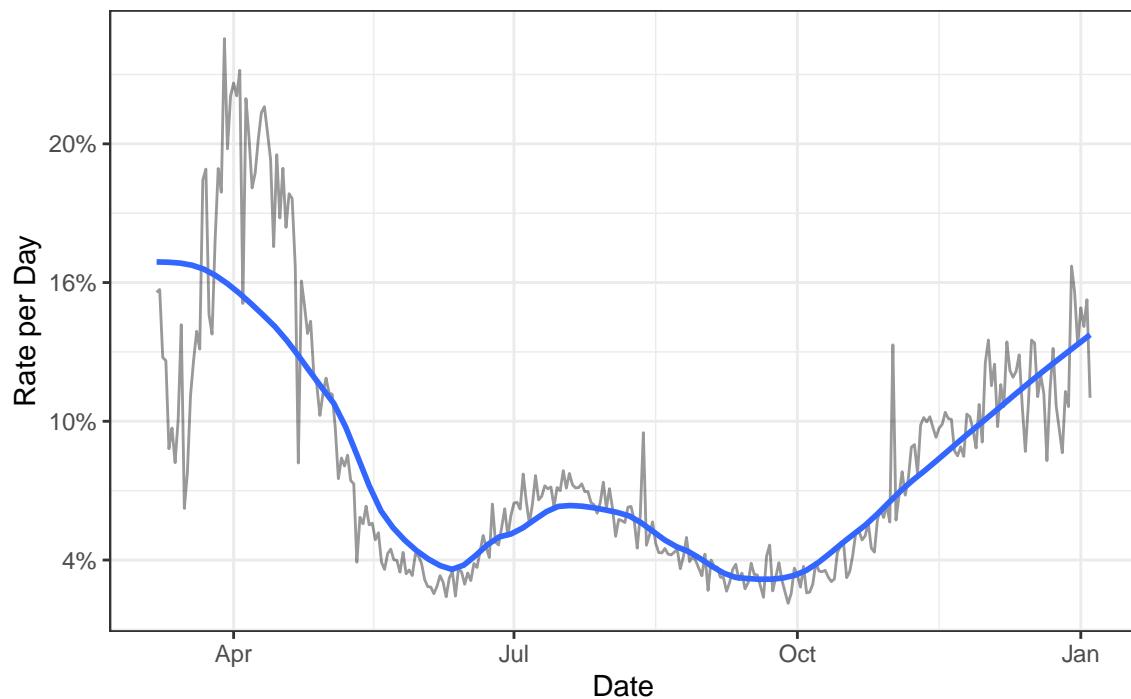


Testing

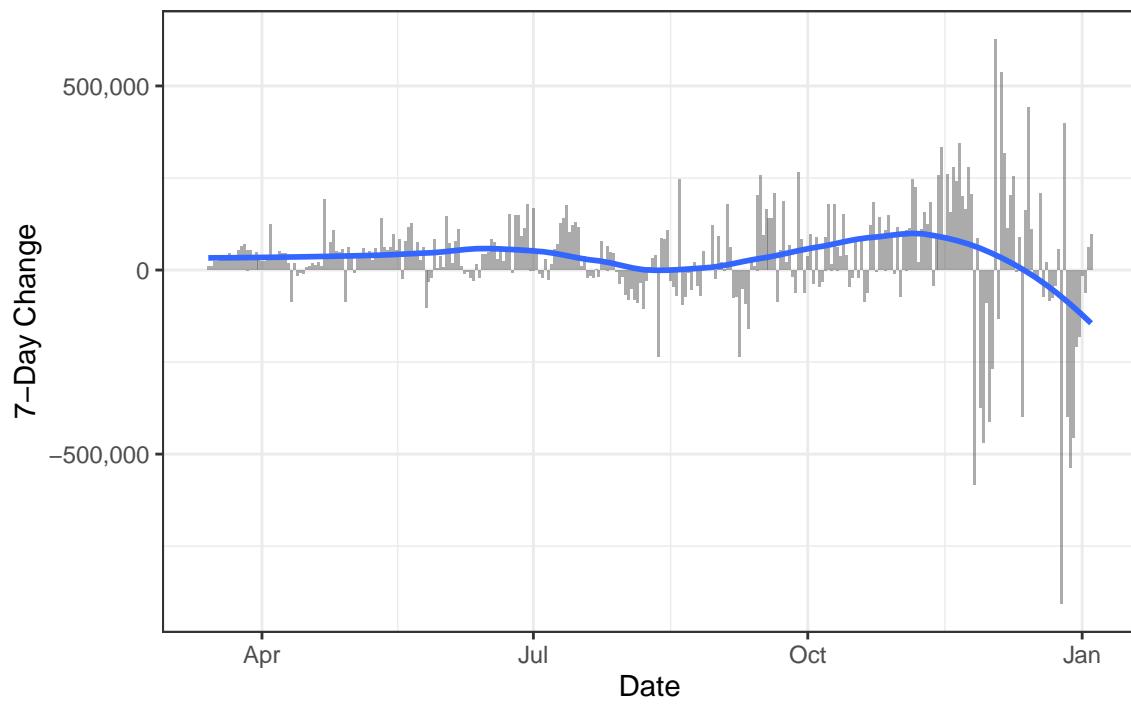
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

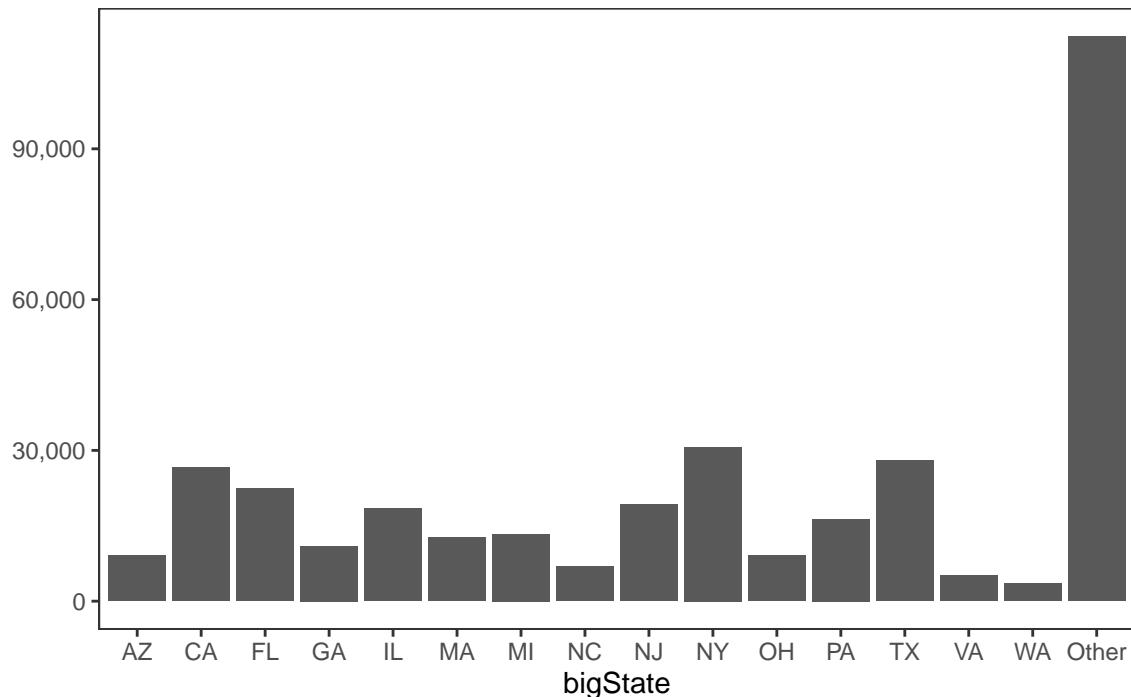


State Data

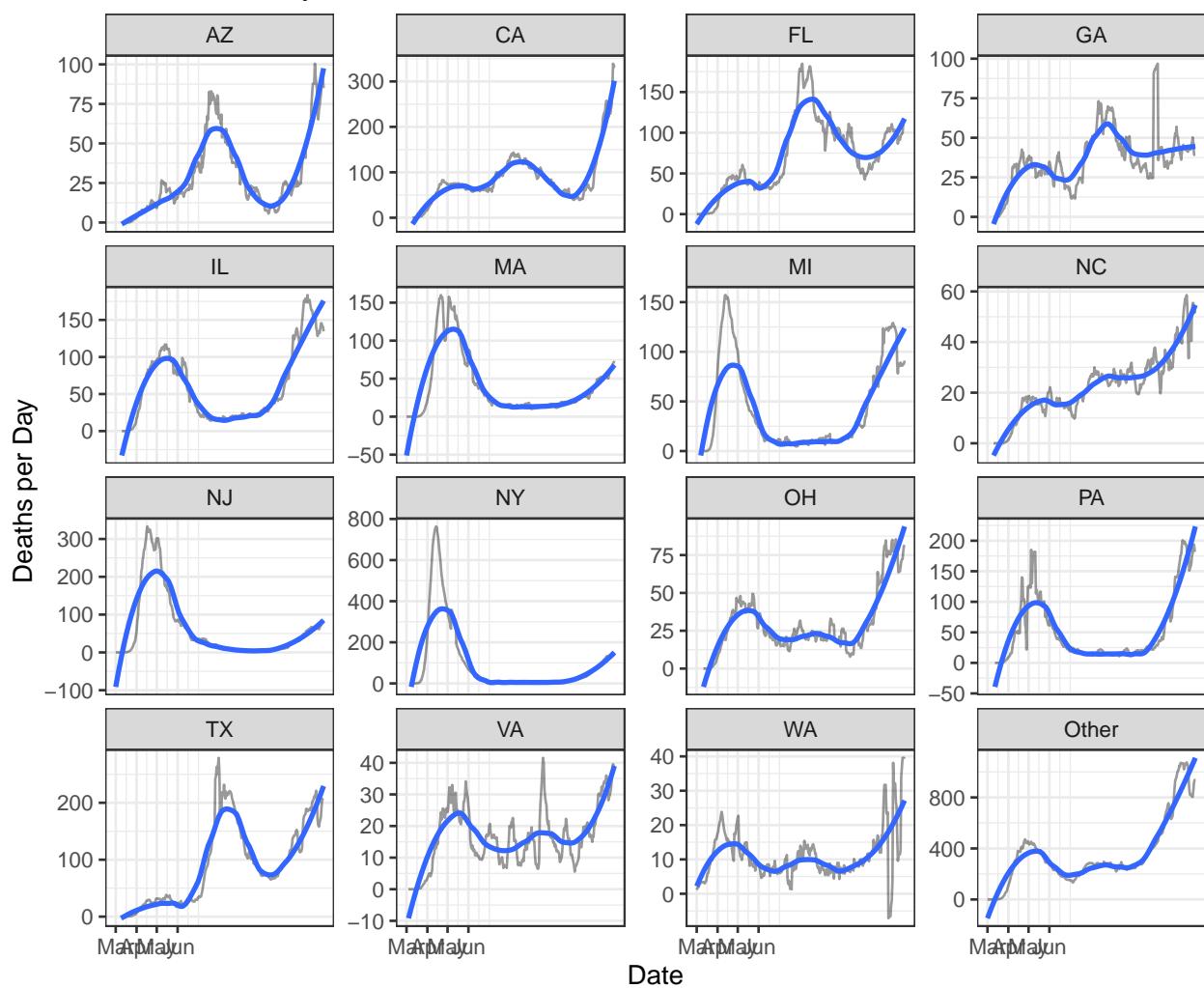
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

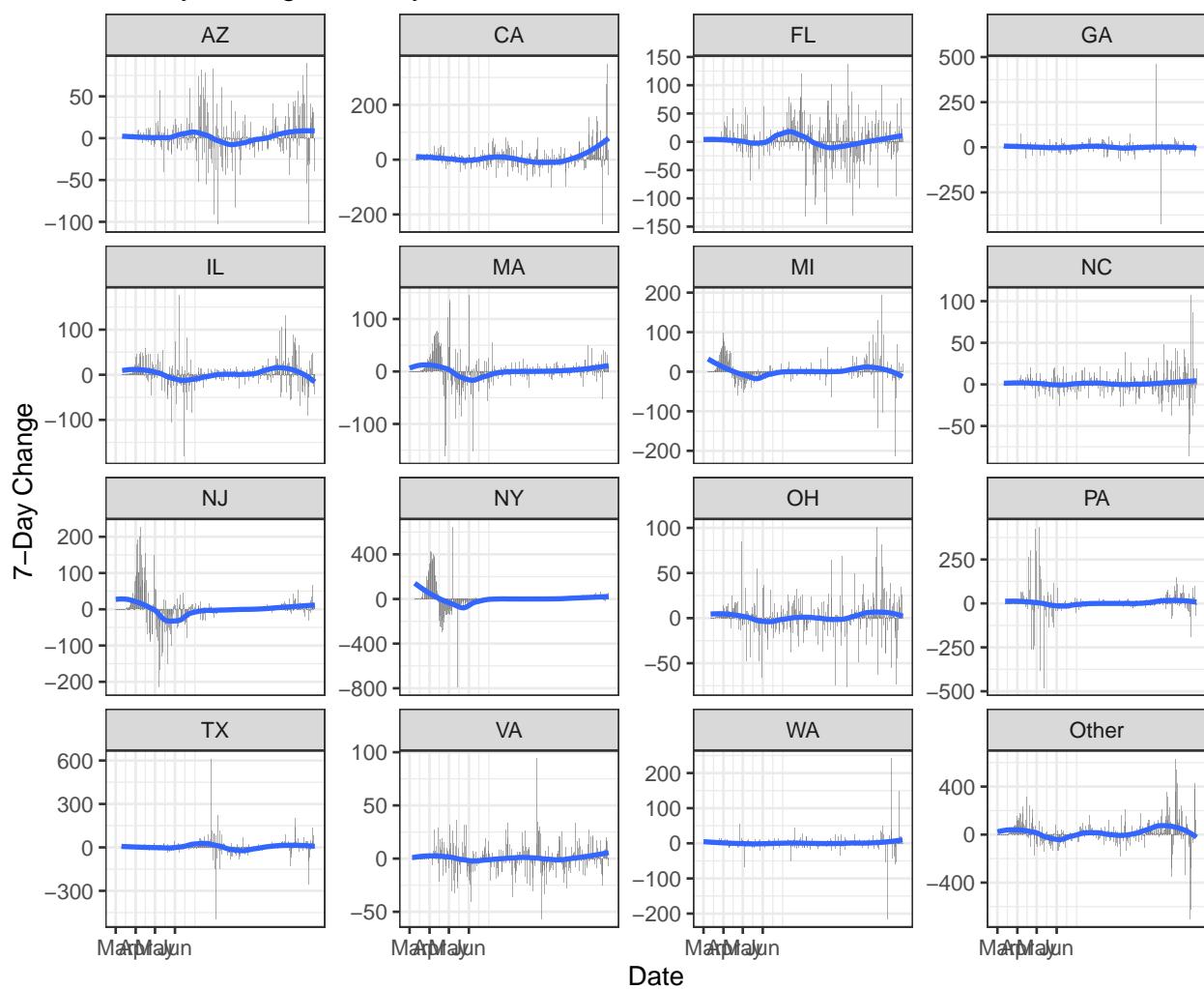
Deaths by State

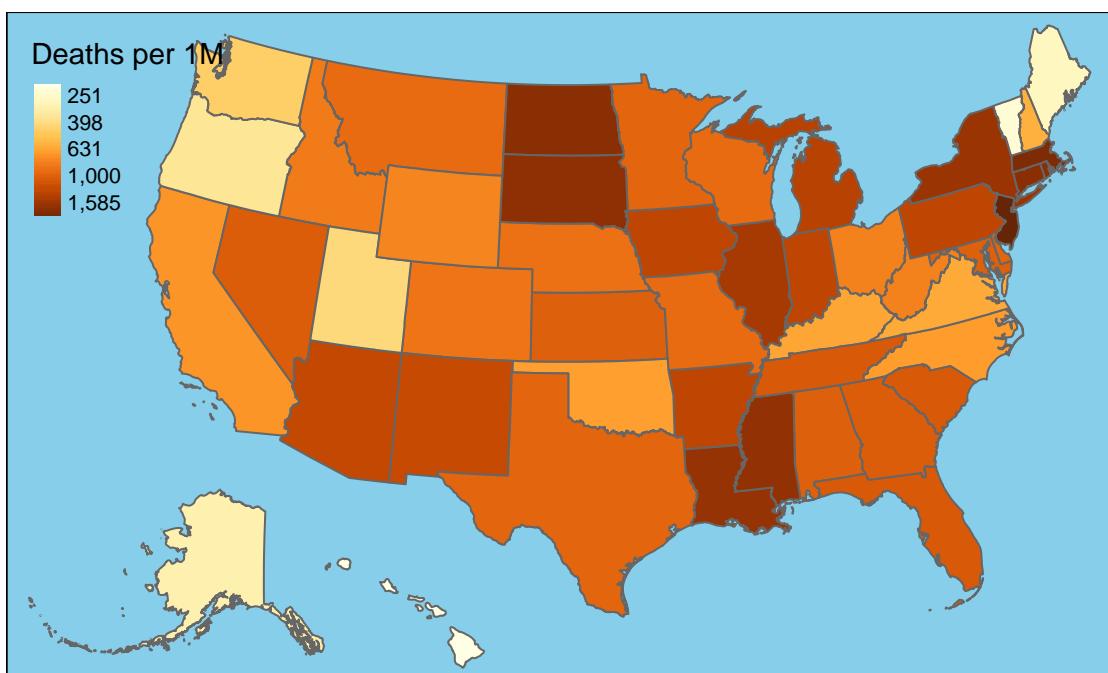
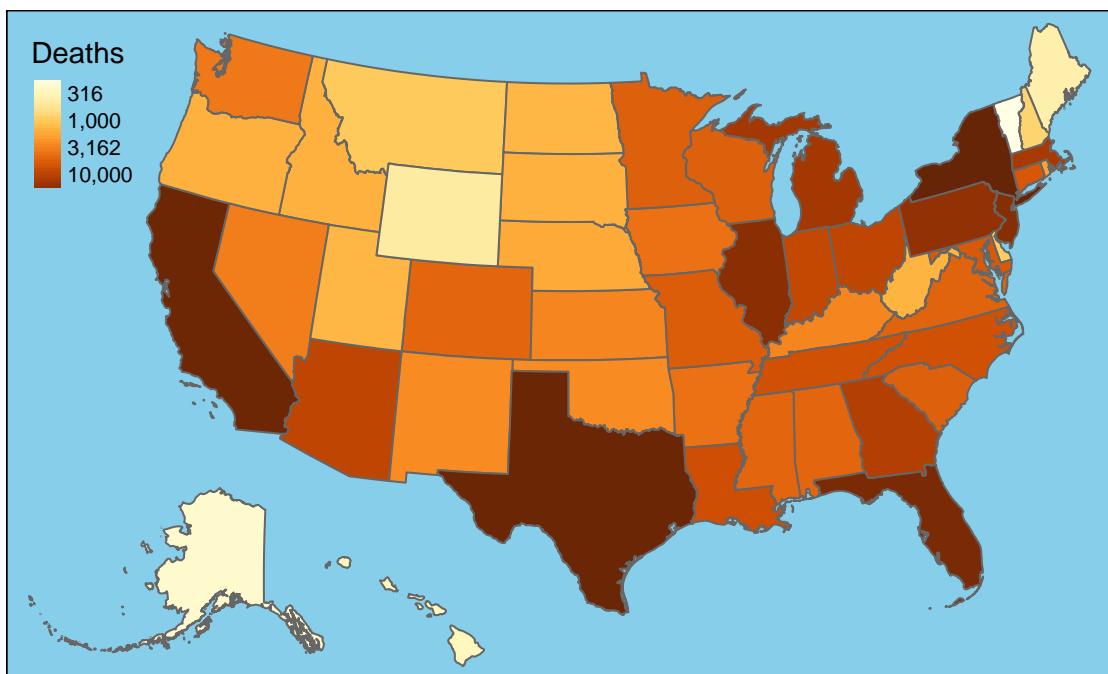


New Deaths by State



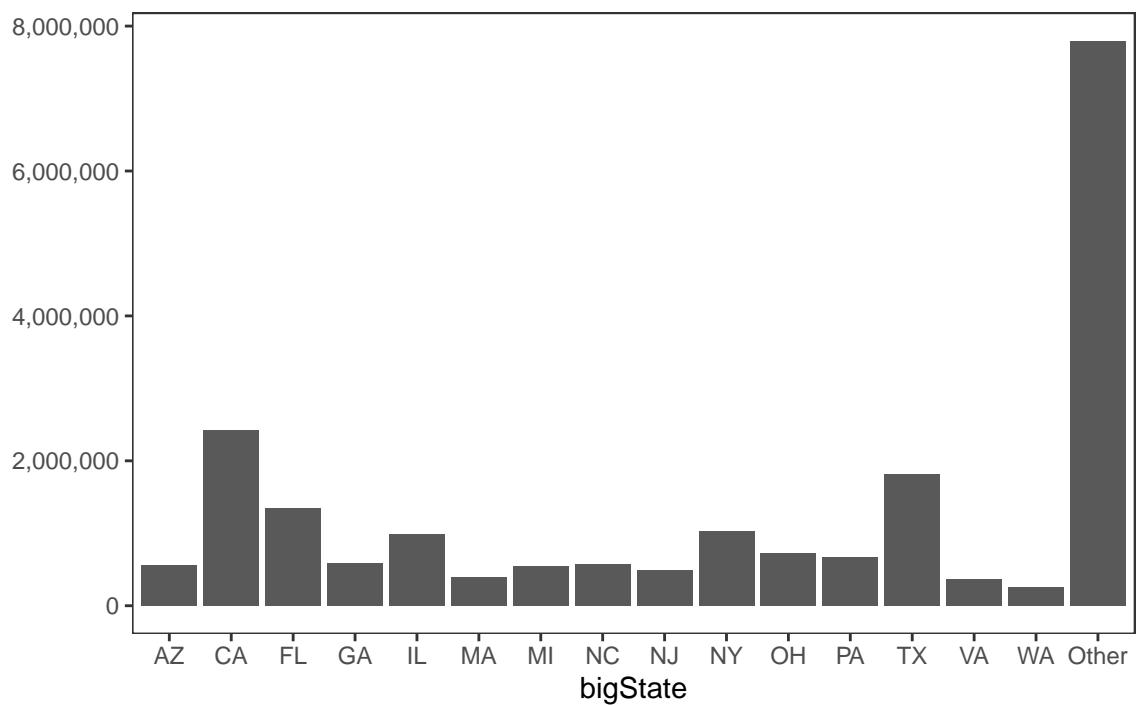
7-Day Change in Daily Deaths



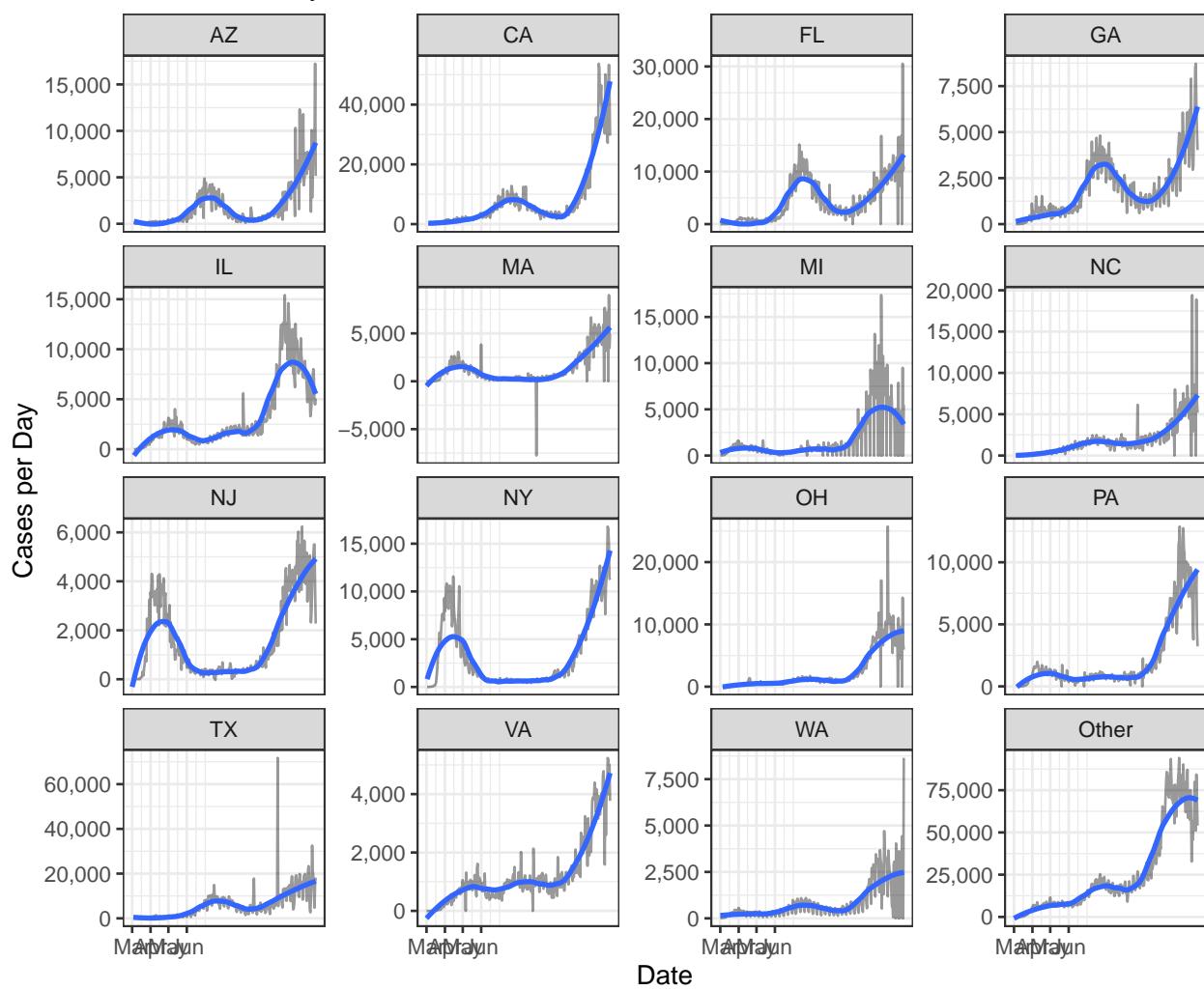


Cases

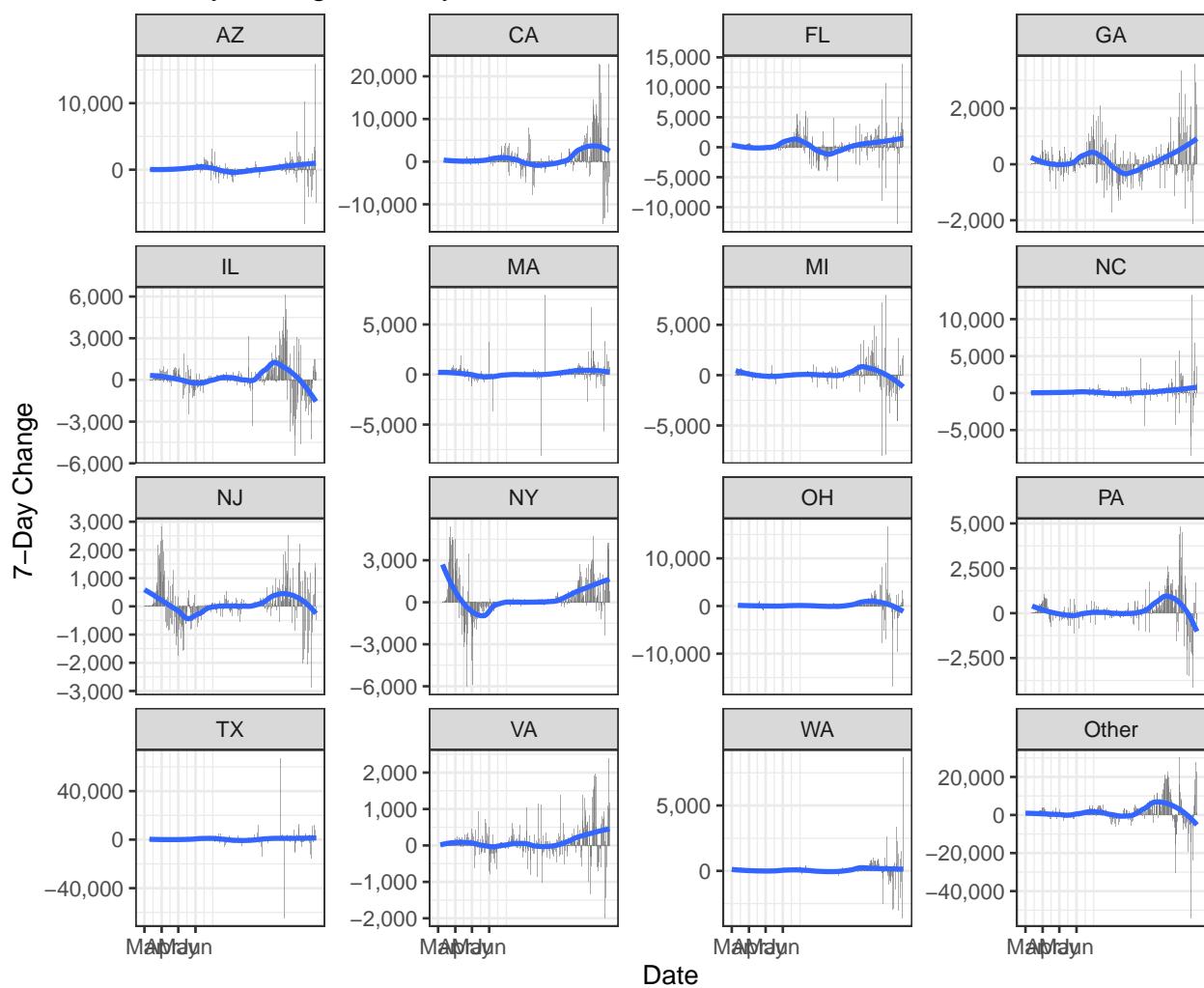
Cases by State

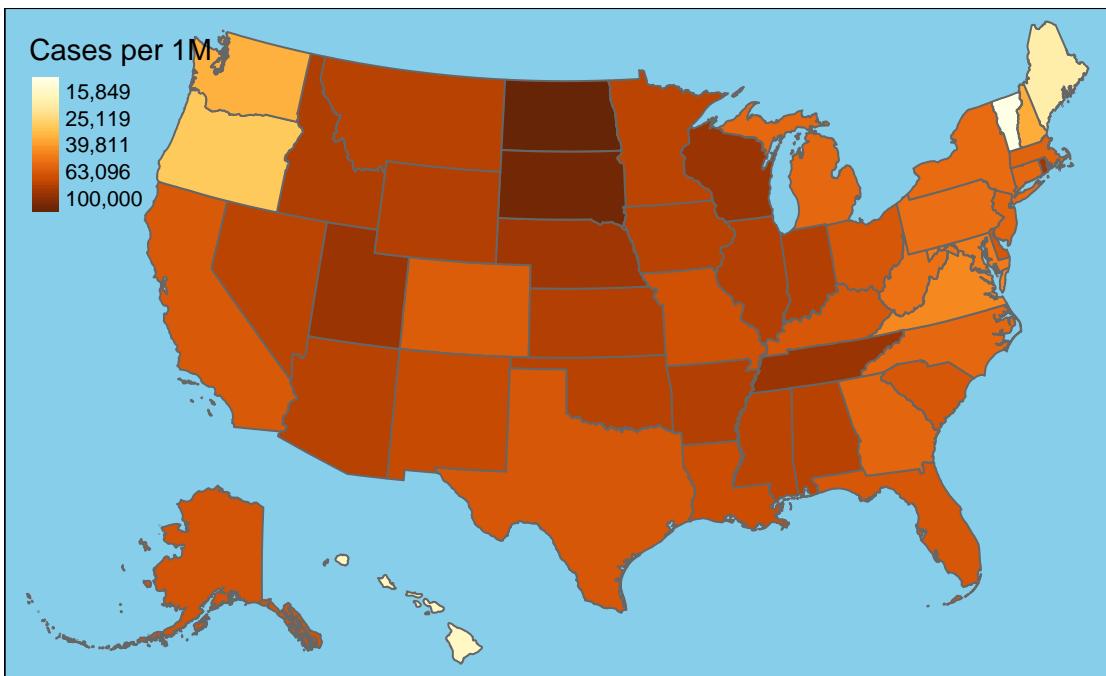
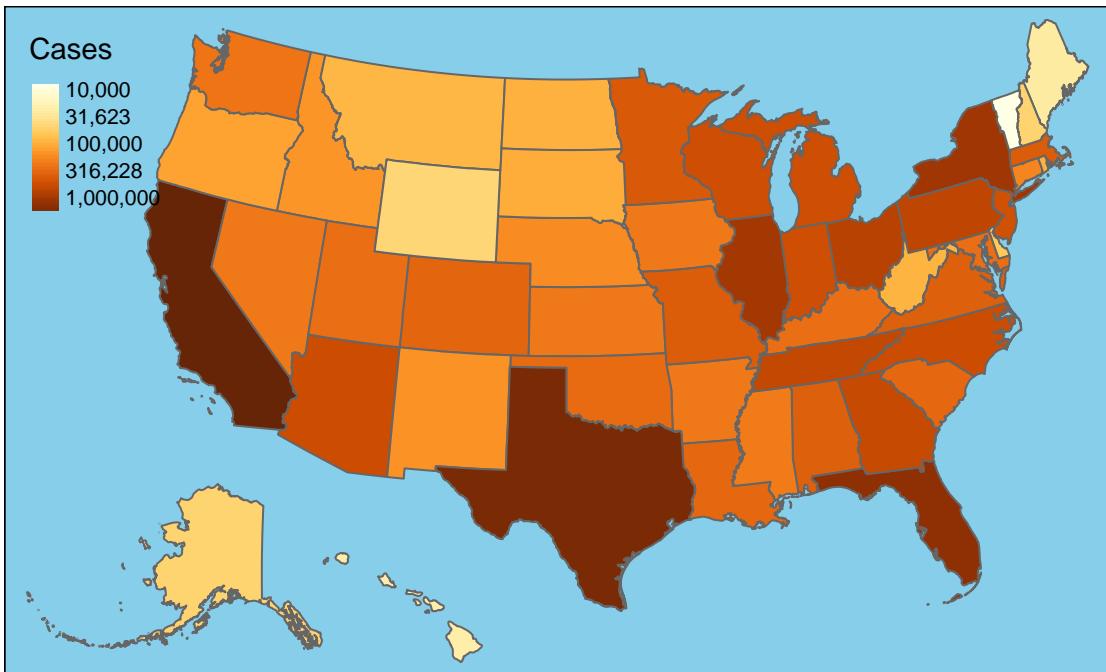


New Cases by State

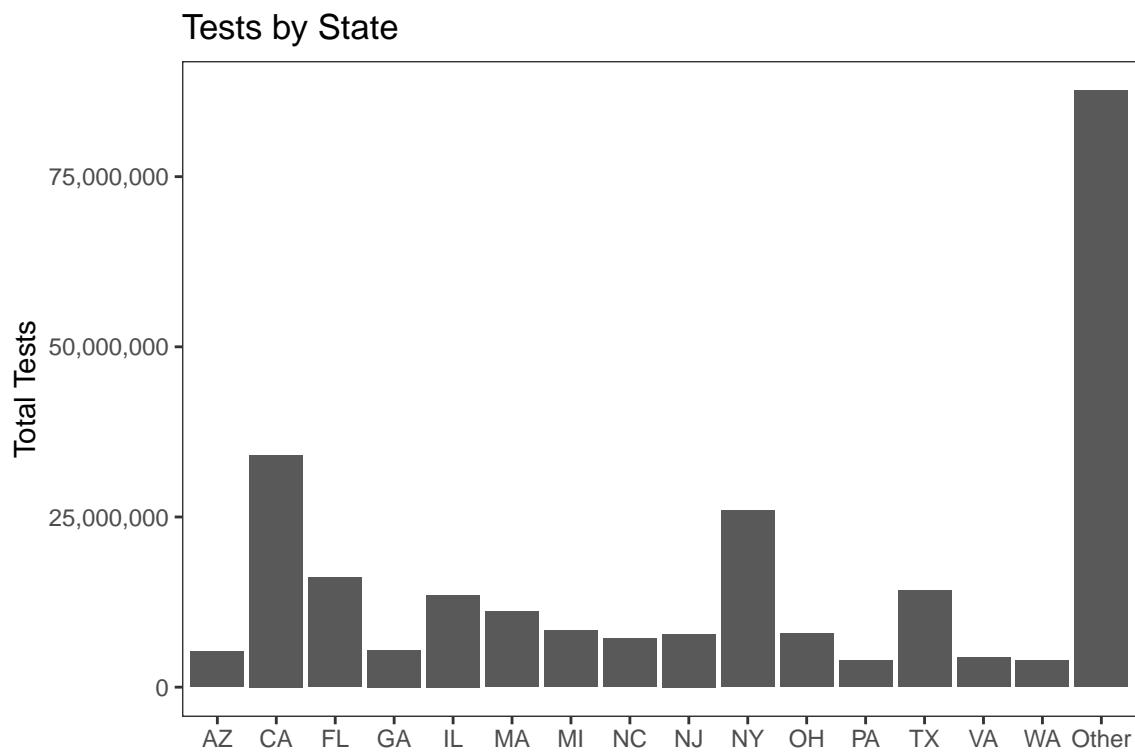


7-Day Change in Daily Cases

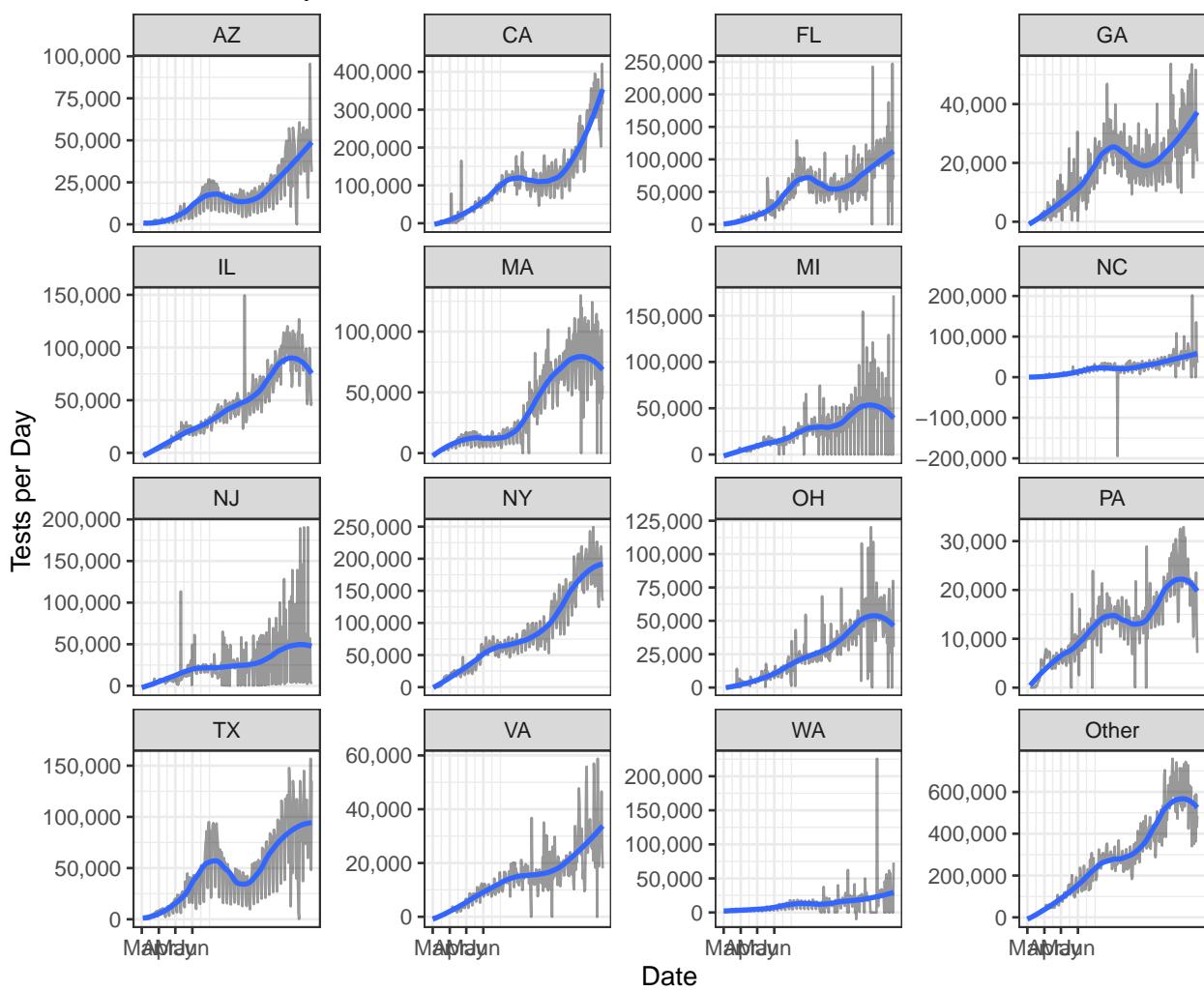


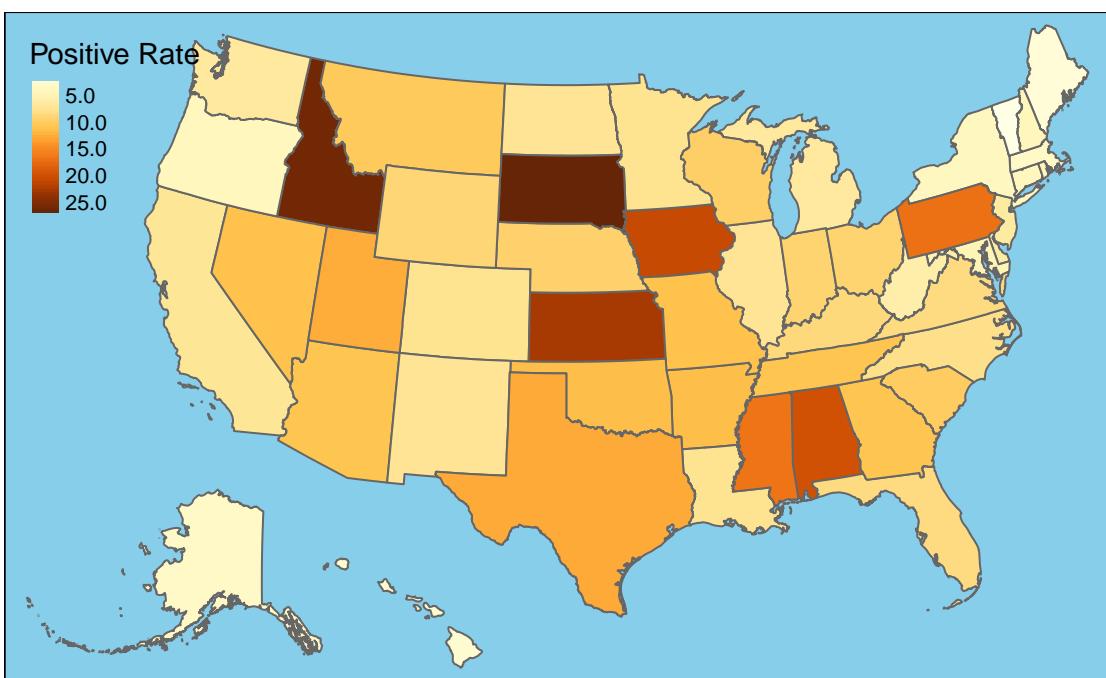
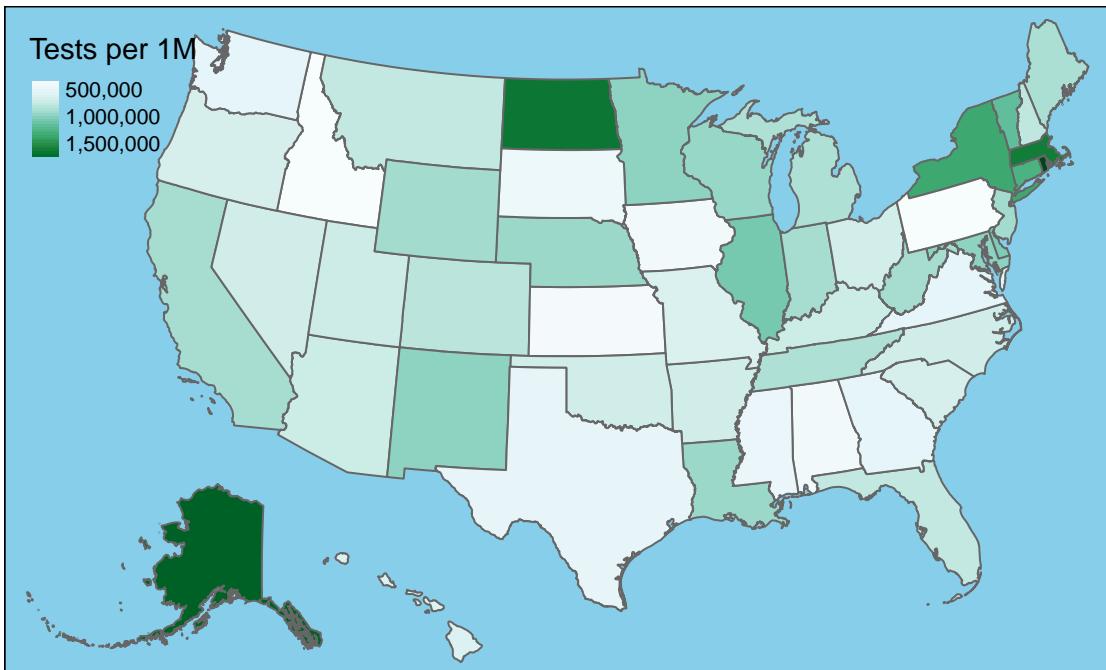


Testing



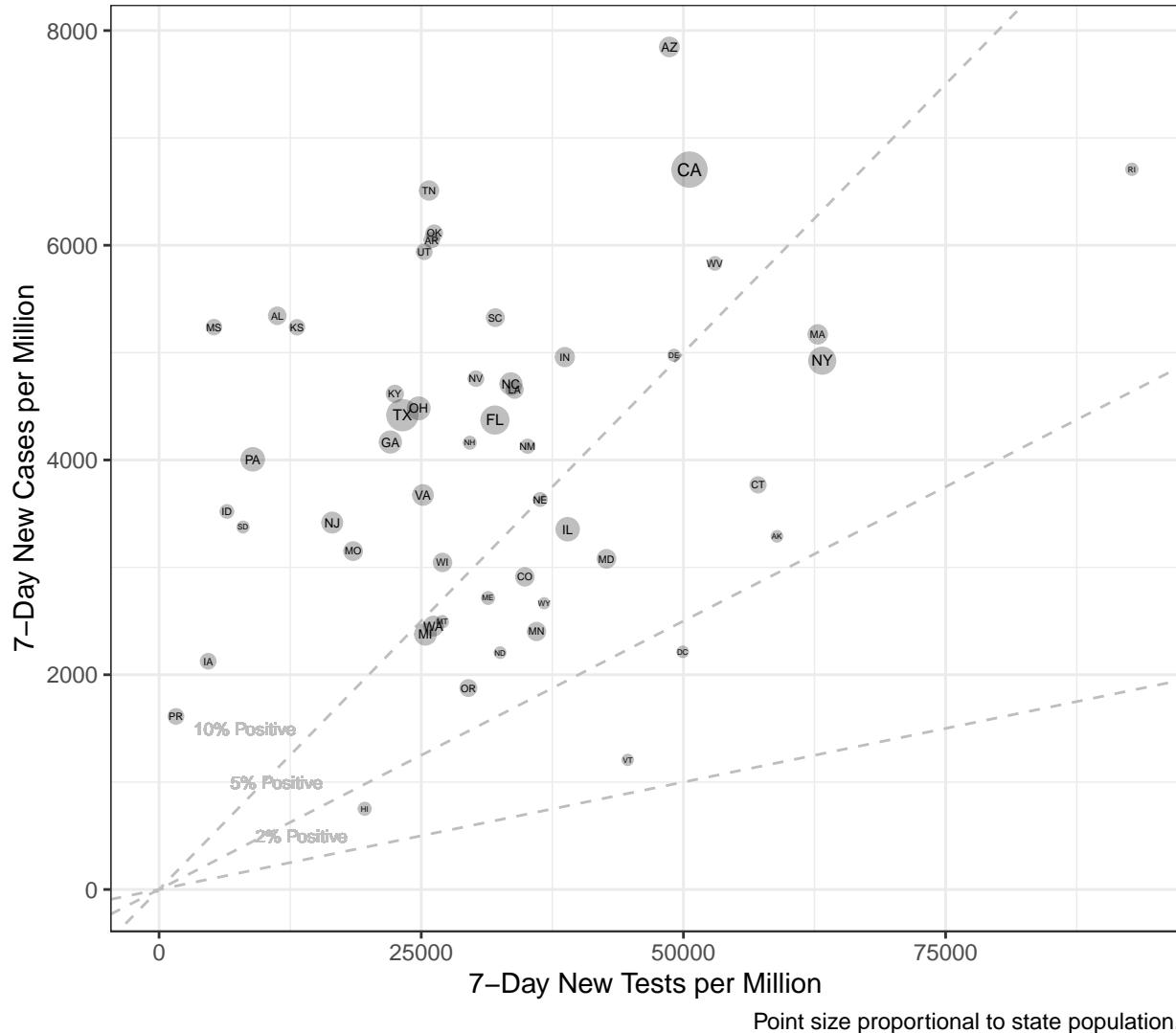
New Tests by State





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



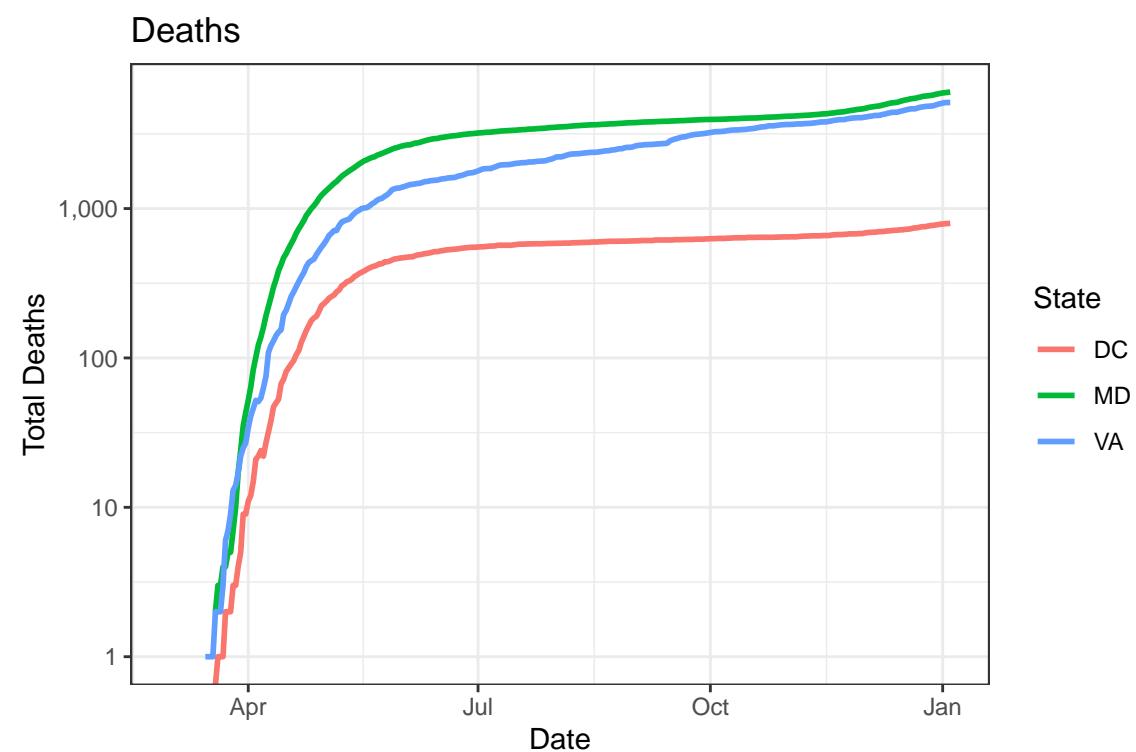
Local Data

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

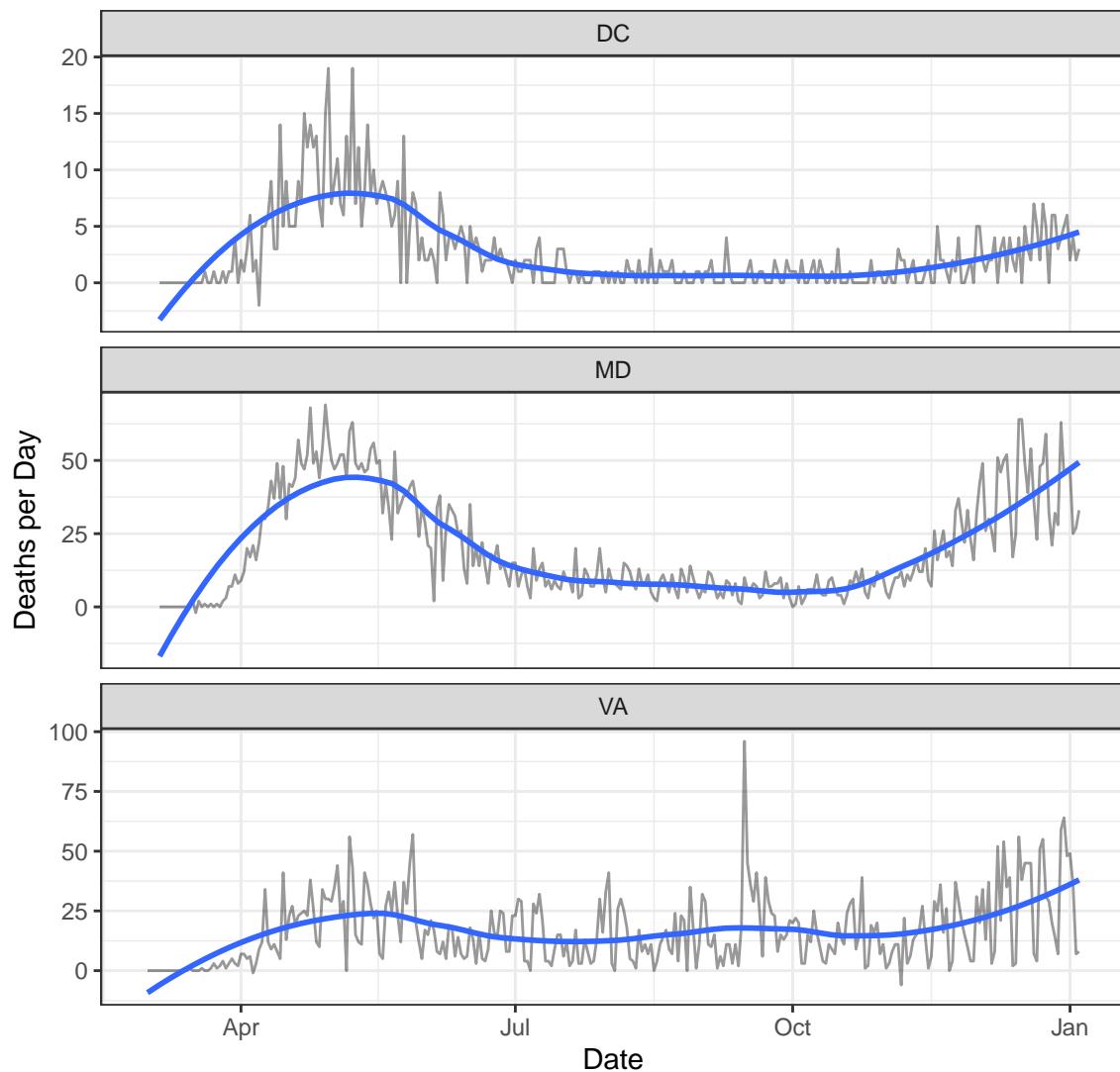
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	29,904	797	140	3
MD	287,802	6,027	2,483	33
VA	367,536	5,132	3,771	8

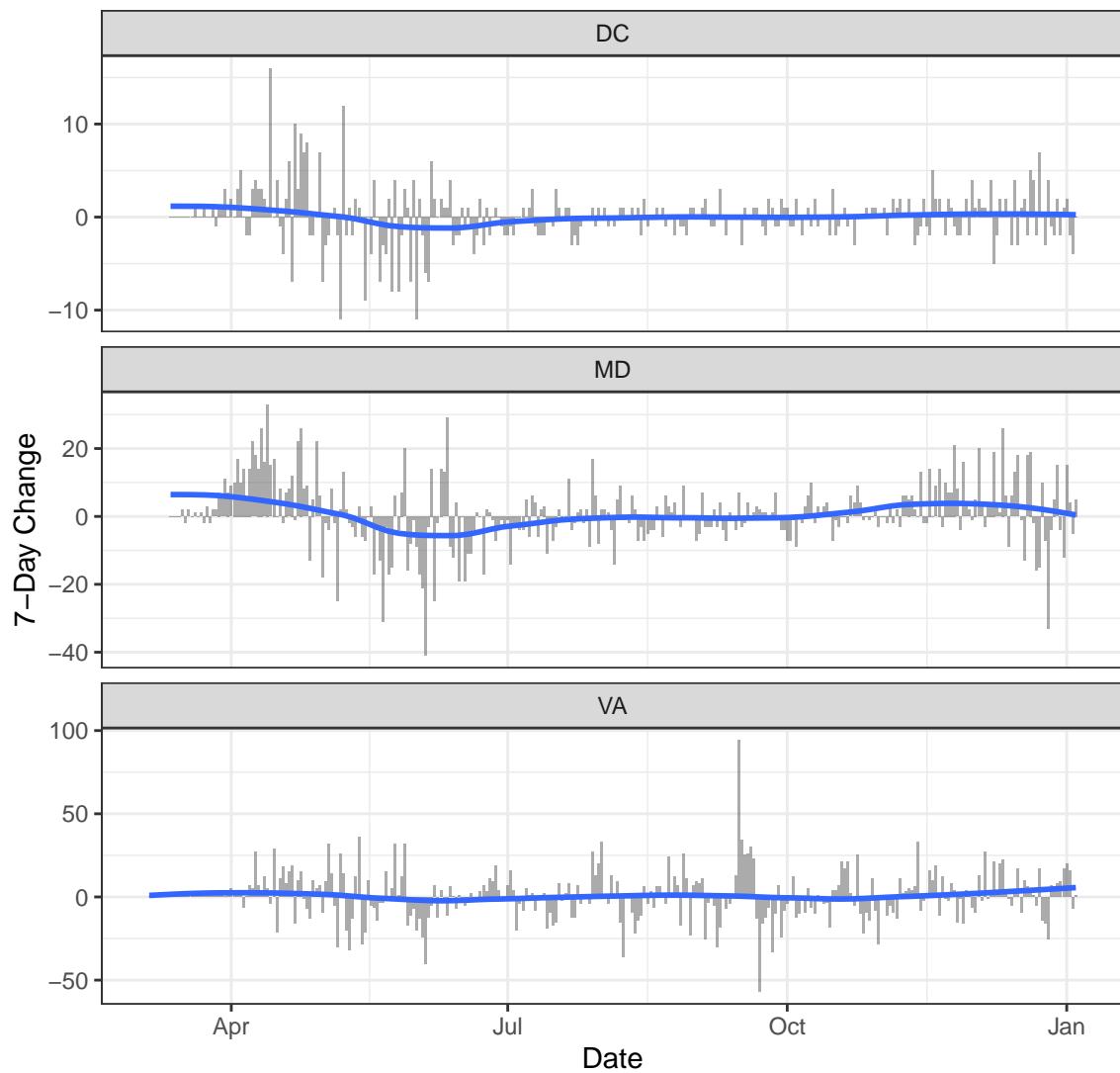
Deaths

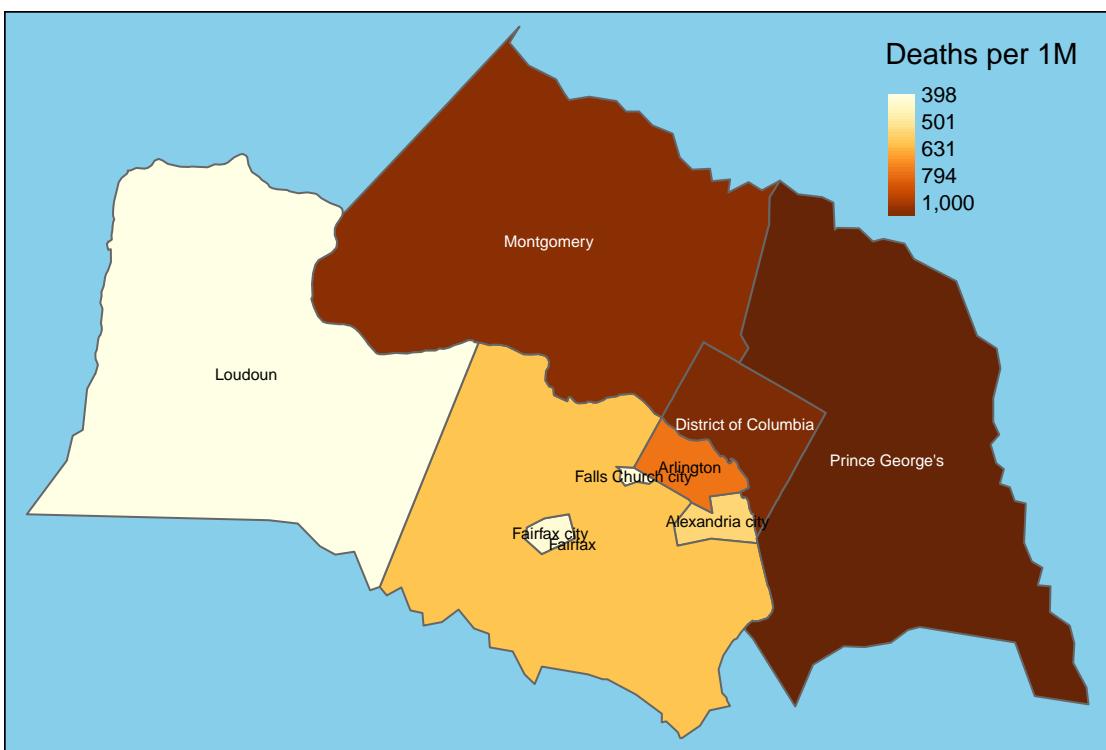
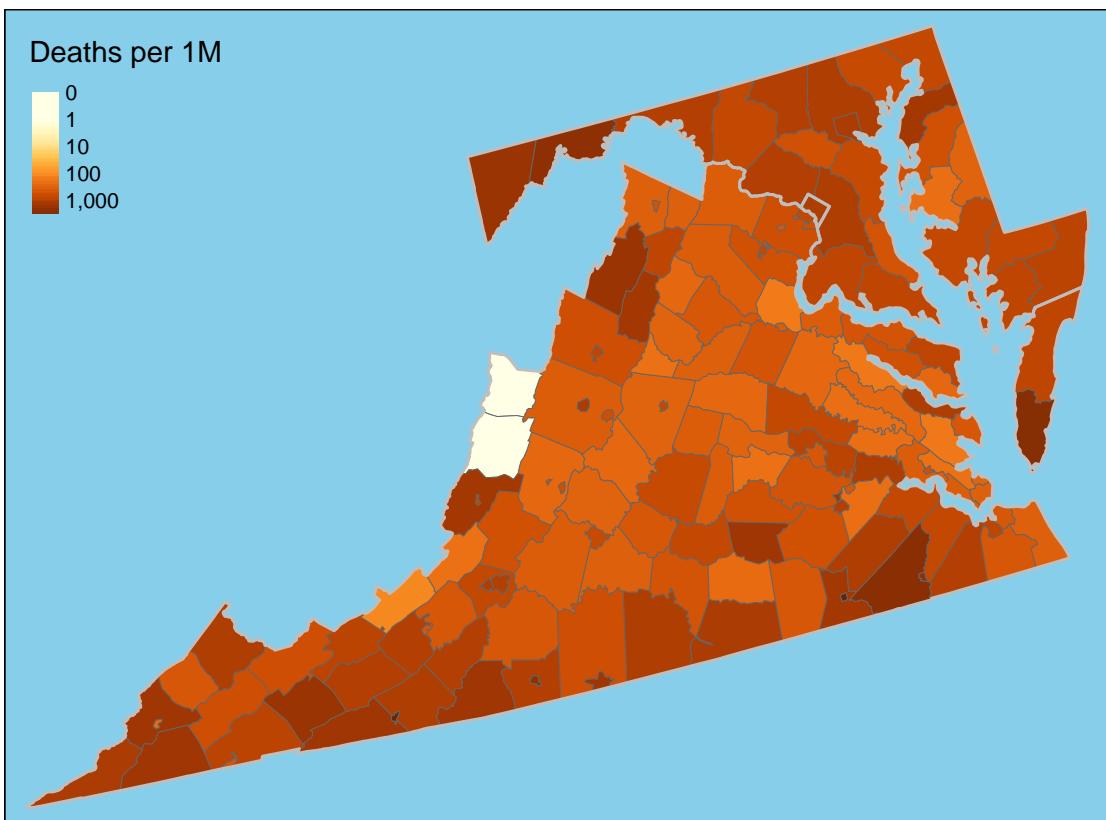


New Deaths

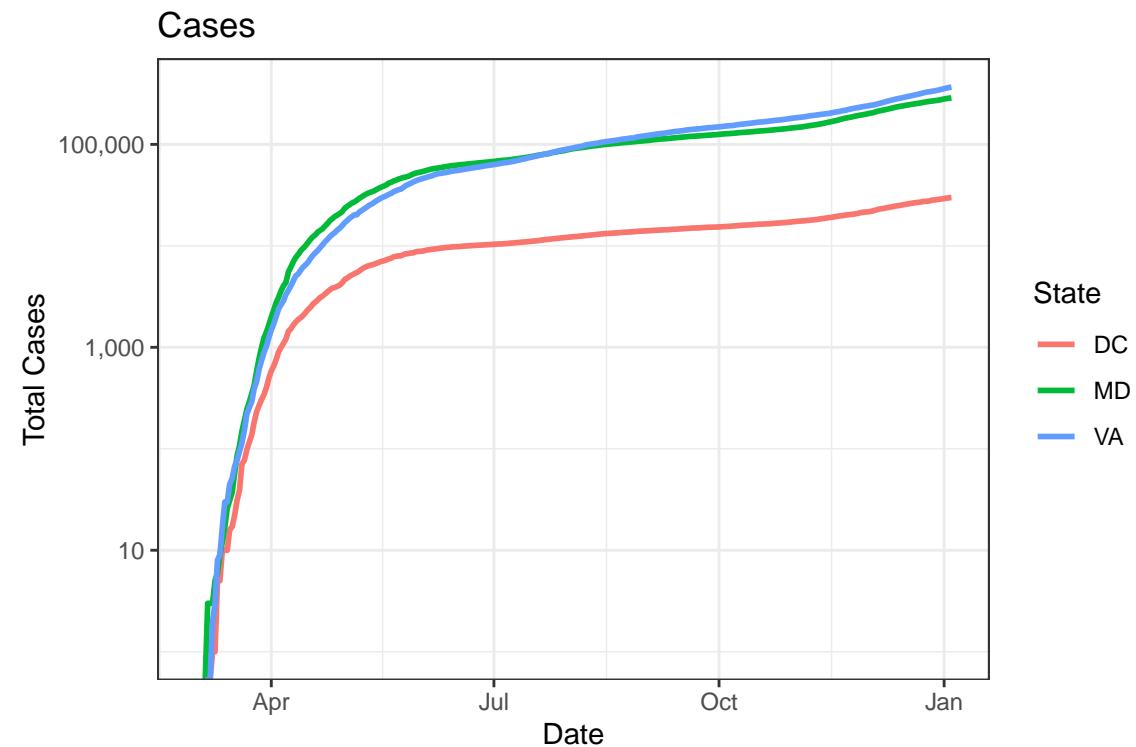


One-Week Change in Daily Deaths

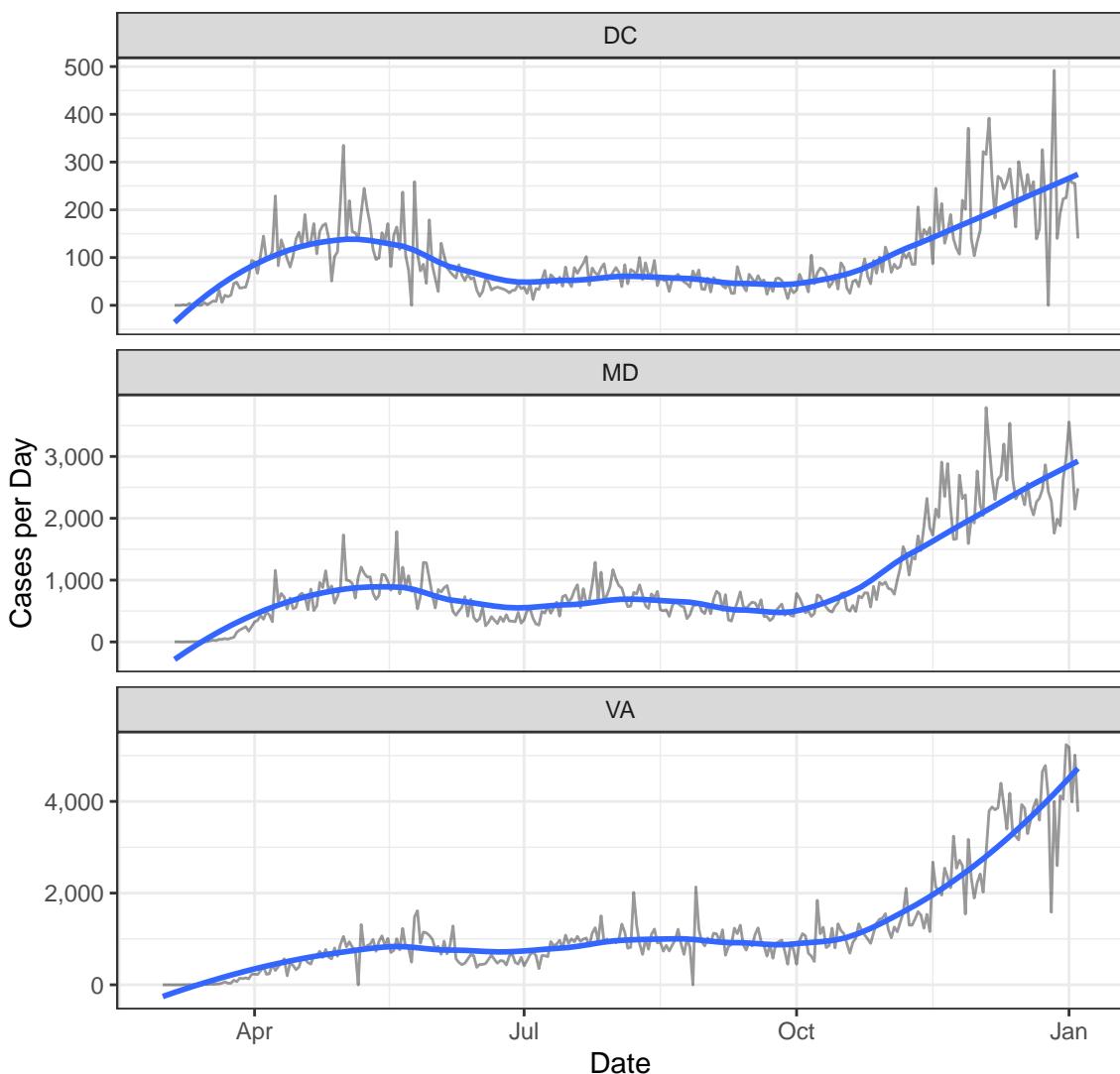




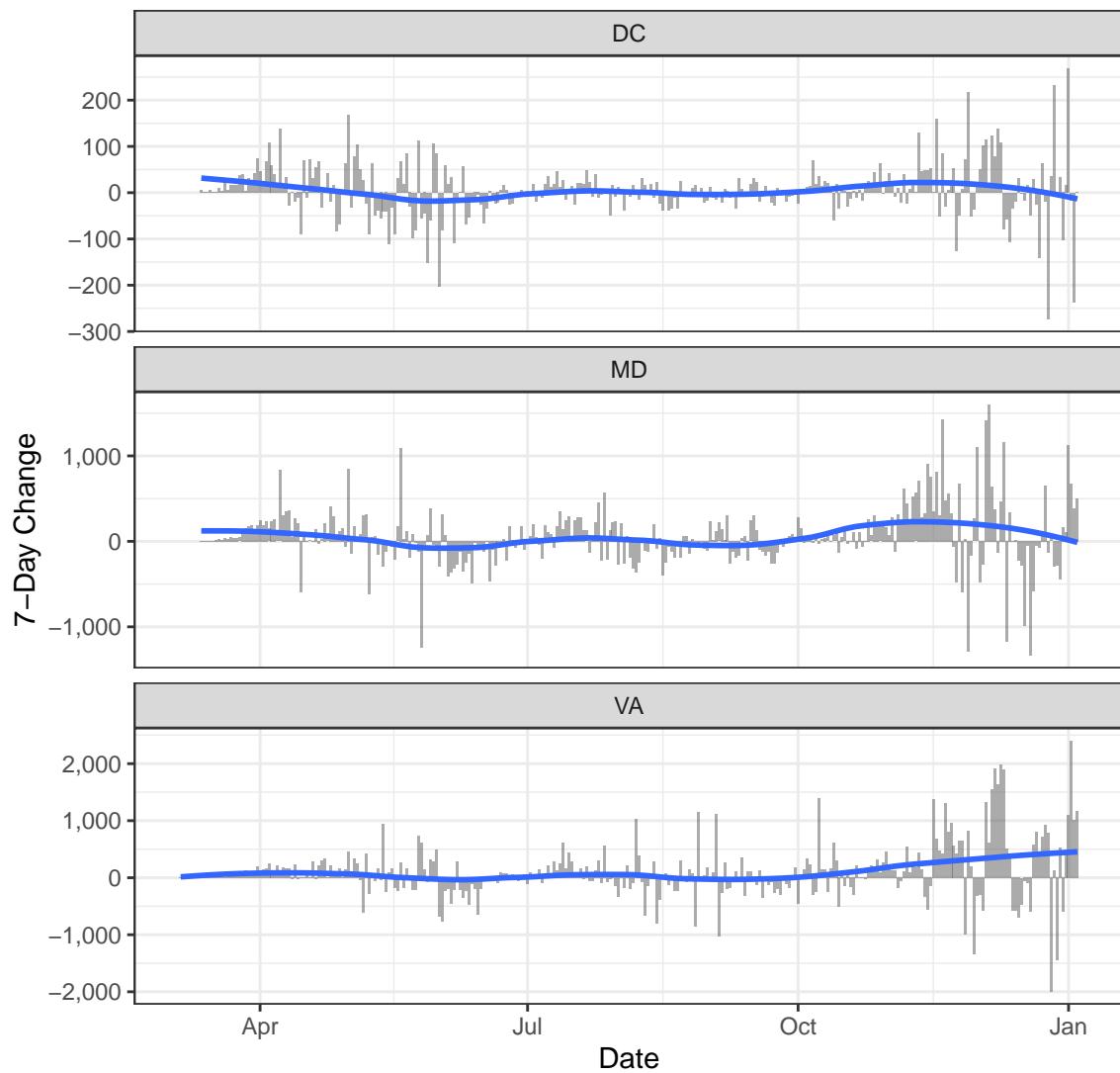
Cases

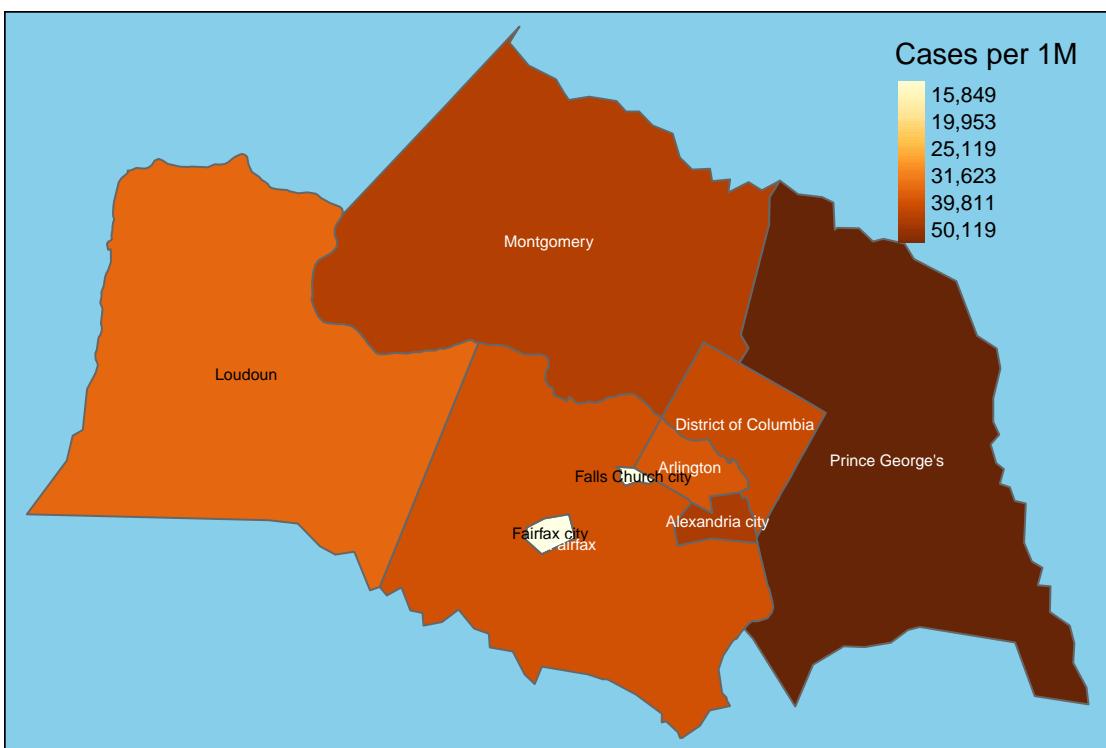
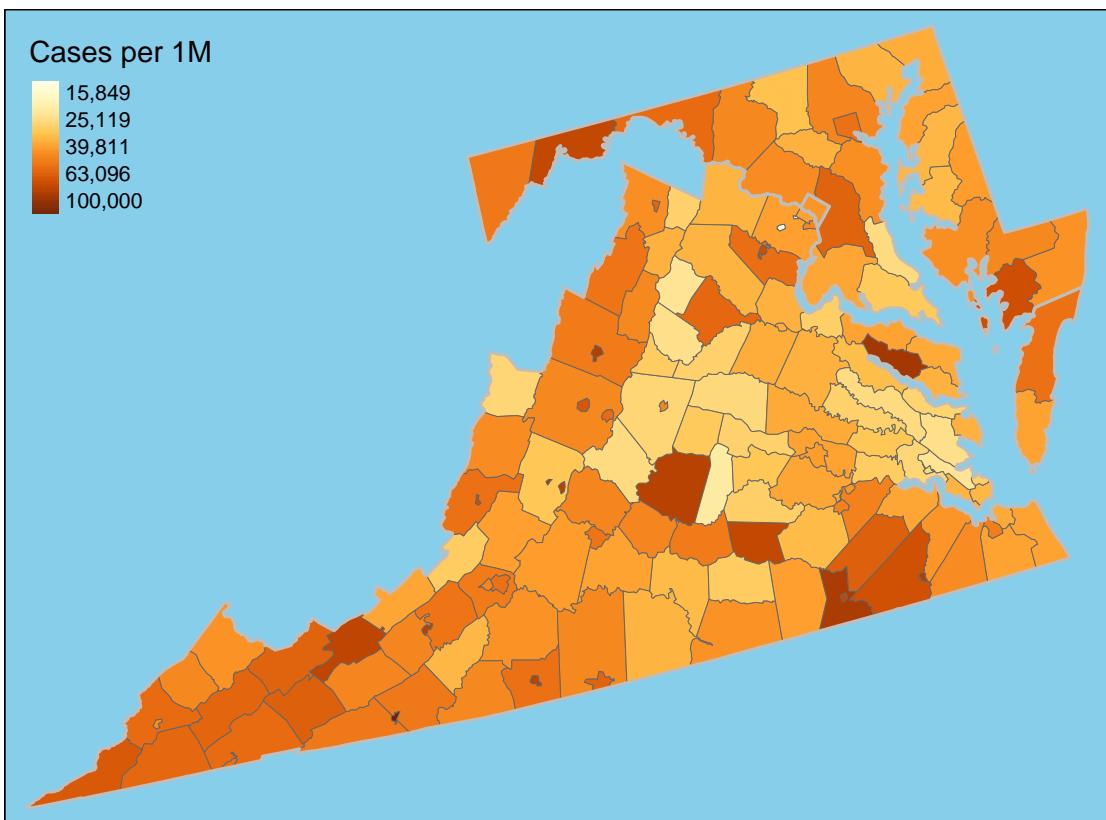


New Cases

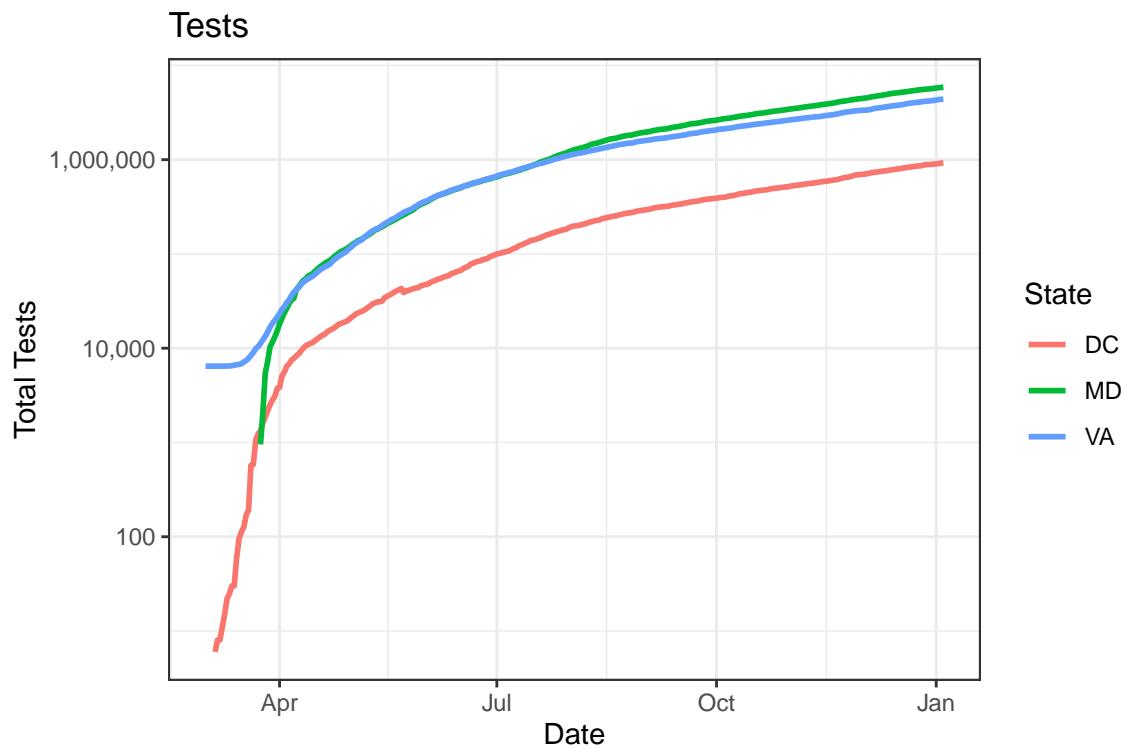


One-Week Change in Daily Cases

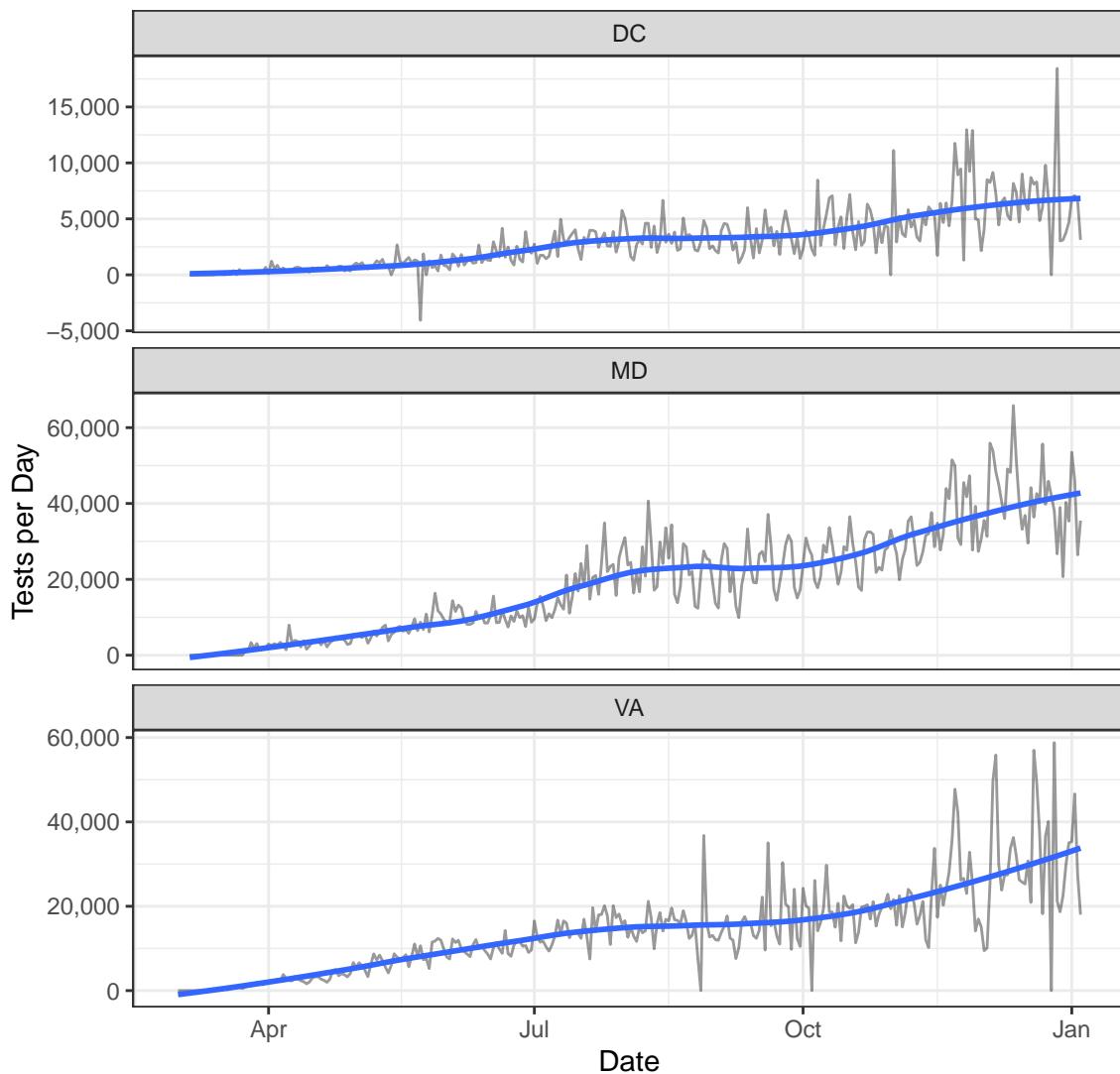




Testing



New Tests



Positive Test Rate

