

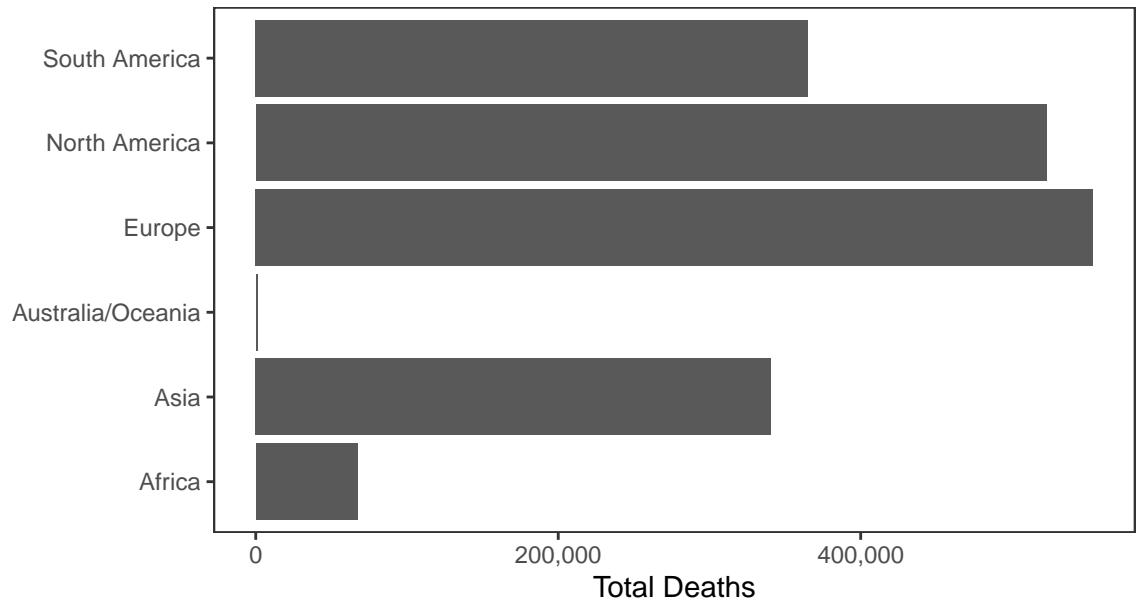
Erik's Covid-19 Chart Pack

Data updated 2021-01-04 18:00:19. 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 85,515,546 confirmed Covid-19 cases and 1,850,792 deaths worldwide.

Deaths



Cases

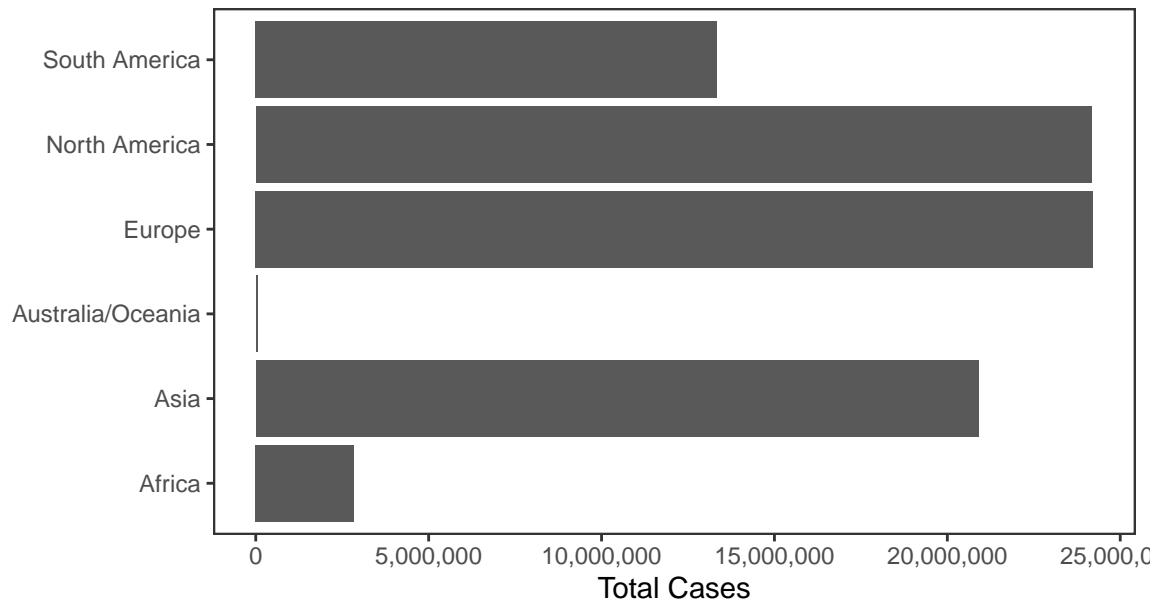
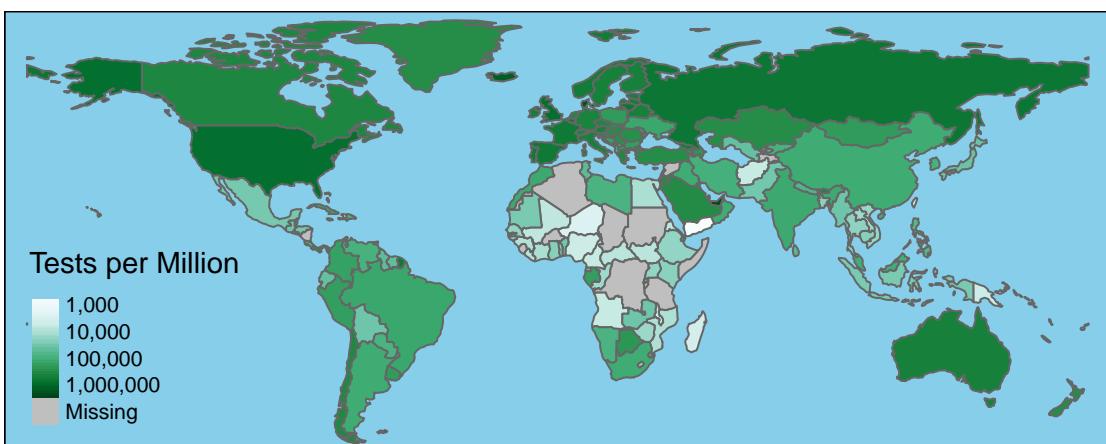
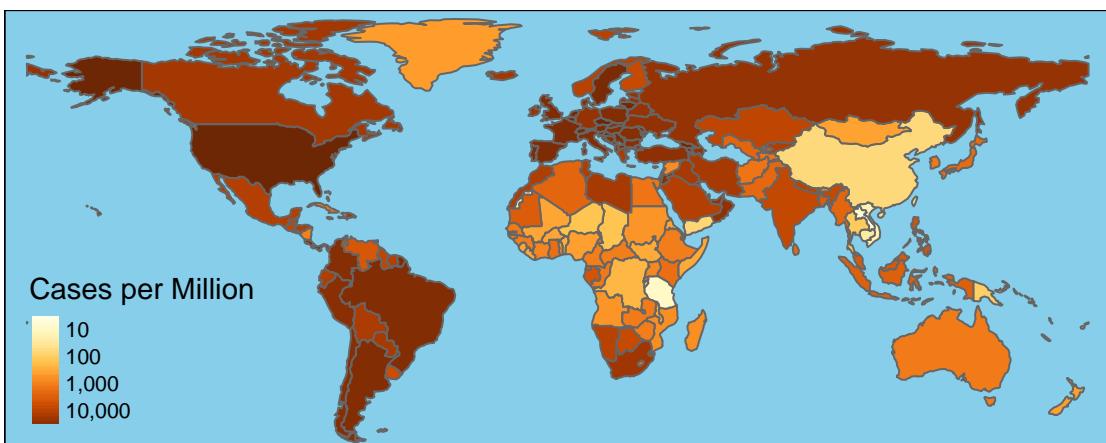
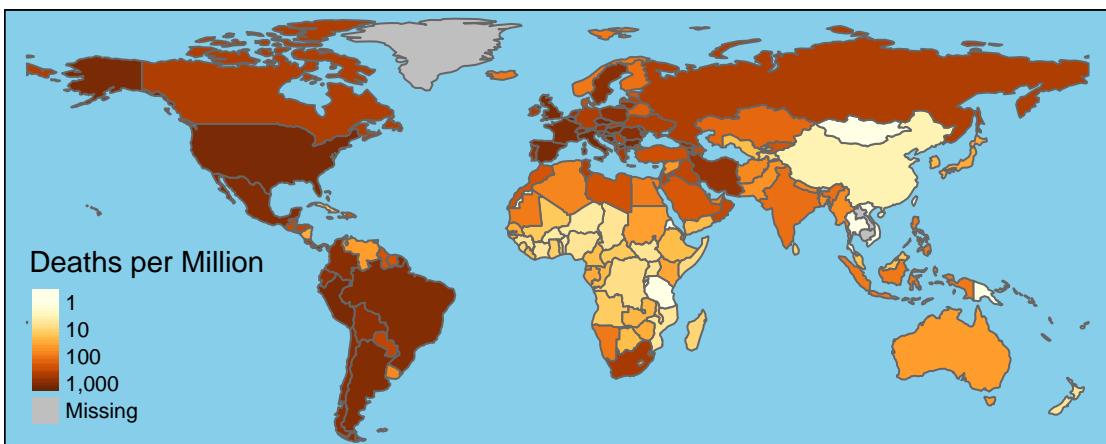


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	21,121,035	360,145	198,606	1,398
India	10,341,291	149,686	16,660	215
Brazil	7,733,746	196,018	17,341	276
Russia	3,236,787	58,506	24,150	504
France	2,655,728	65,037	12,489	116
UK	2,654,779	75,024	54,990	454
Turkey	2,241,912	21,488	9,877	193
Italy	2,155,444	75,332	14,243	347
Spain	1,949,801	51,017	5,934	60
Germany	1,784,160	35,105	10,620	246
Colombia	1,675,820	43,965	9,412	200
Argentina	1,640,718	43,482	5,884	107
Mexico	1,443,544	126,851	6,359	344
Poland	1,318,515	29,119	5,692	61
Iran	1,243,434	55,540	5,960	102
South Africa	1,100,748	29,577	11,859	402
Ukraine	1,074,093	18,854	4,576	123
Peru	1,019,475	37,830	1,376	57
Netherlands	821,163	11,612	7,398	47
Indonesia	765,350	22,734	6,877	179



National Data

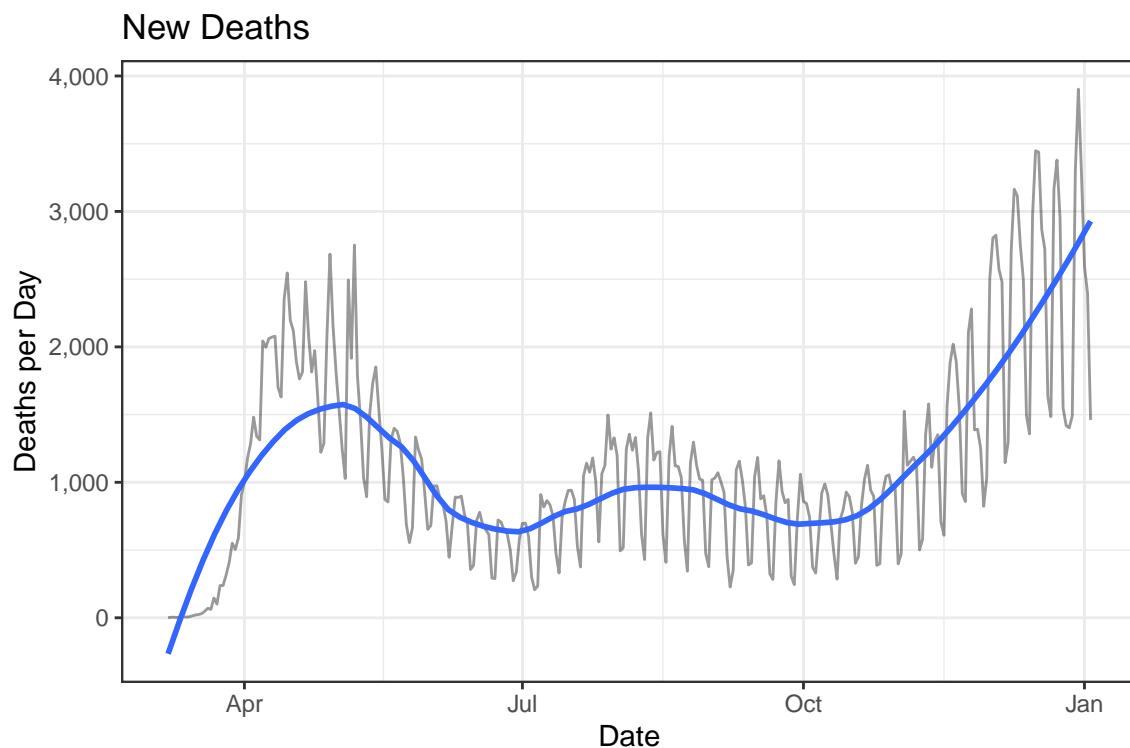
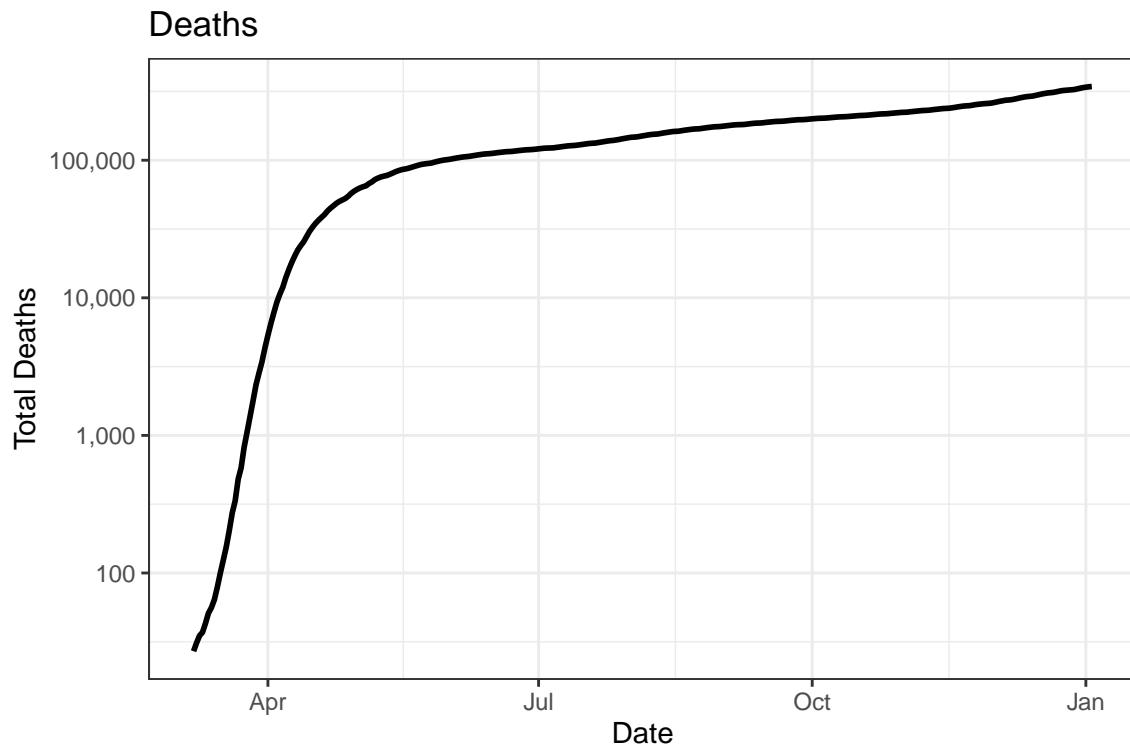
There have been 20,382,880 confirmed Covid-19 cases and 343,263 deaths in the United States.

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

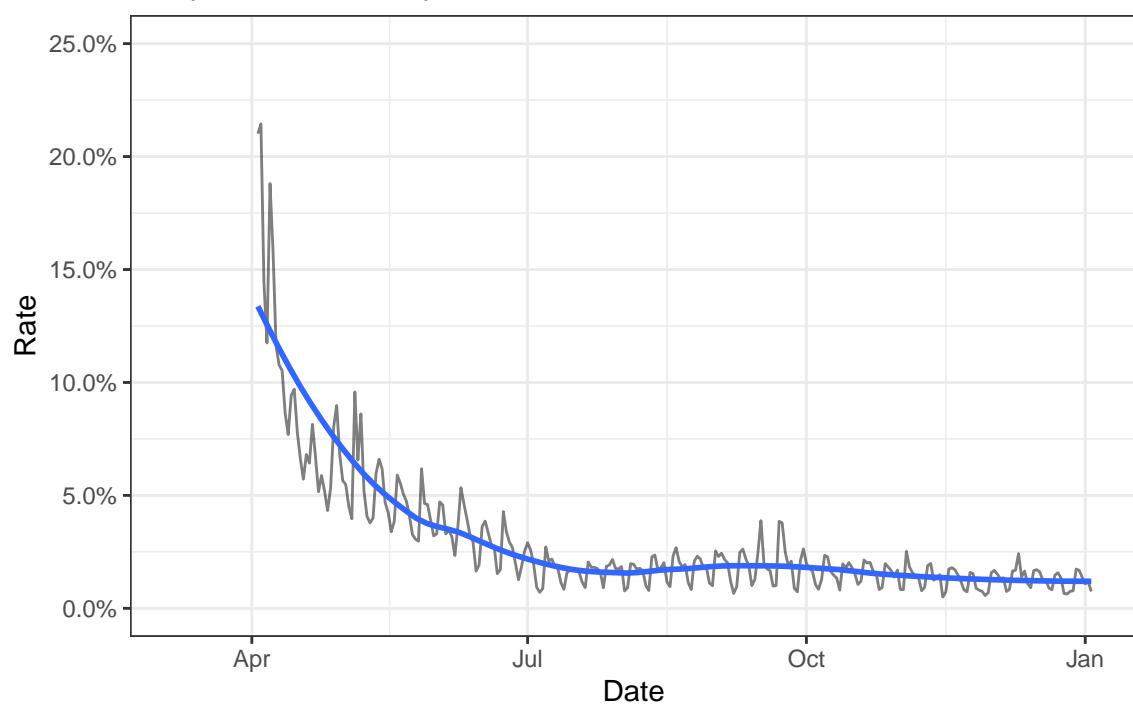
Date	Cases	Deaths	New Cases	New Deaths
2021-01-03	20,382,880	343,263	207,726	1,461
2021-01-02	20,175,154	341,802	278,680	2,395
2021-01-01	19,896,474	339,407	179,852	2,596
2020-12-31	19,716,622	336,811	223,036	3,287
2020-12-30	19,493,586	333,524	225,671	3,903
2020-12-29	19,267,915	329,621	195,194	3,299
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
2020-12-21	17,828,084	310,968	178,191	1,485

Deaths

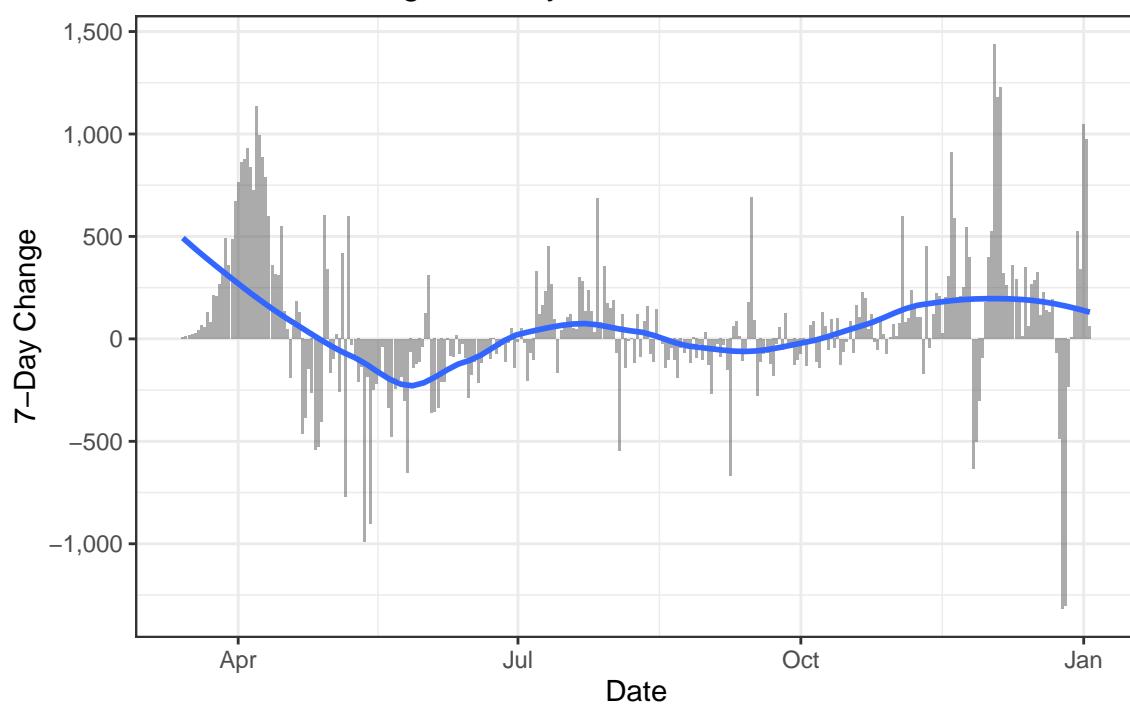
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

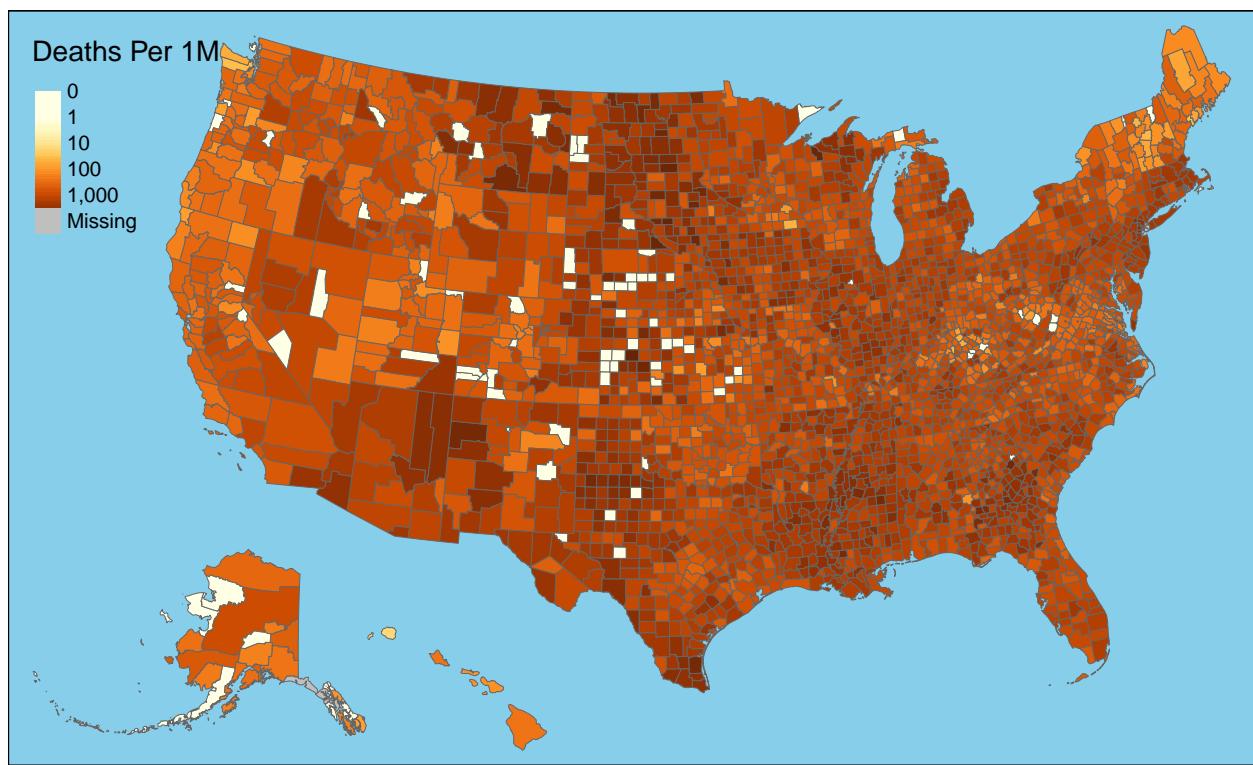


Daily Case Mortality Rate



One-Week Change in Daily Deaths

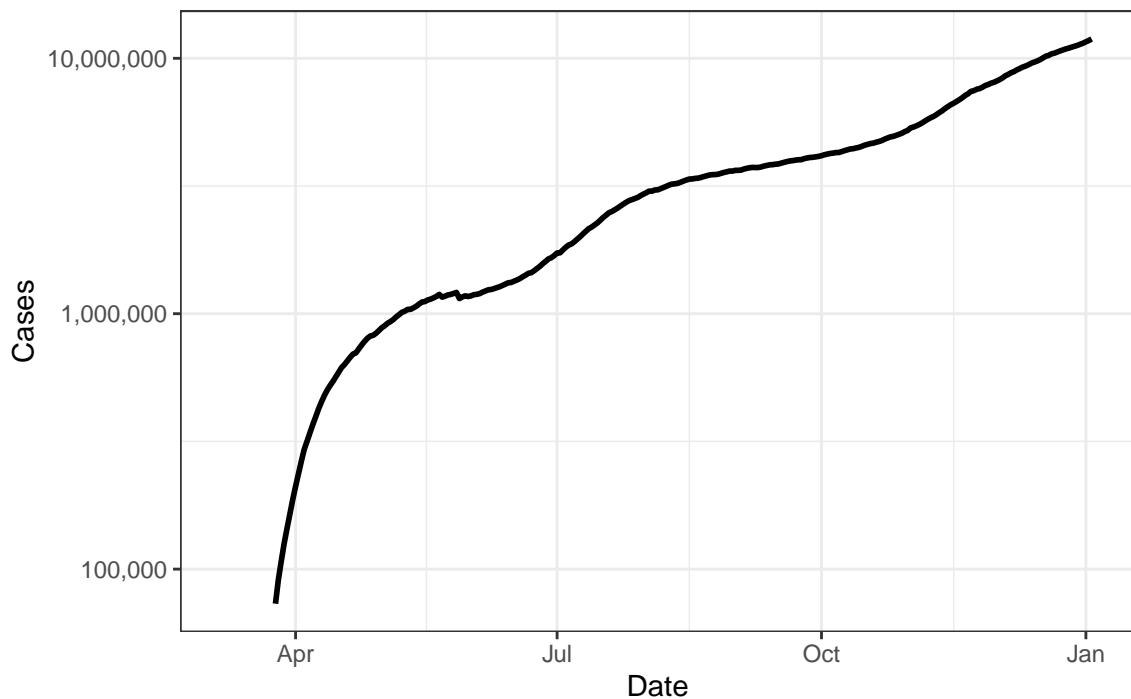




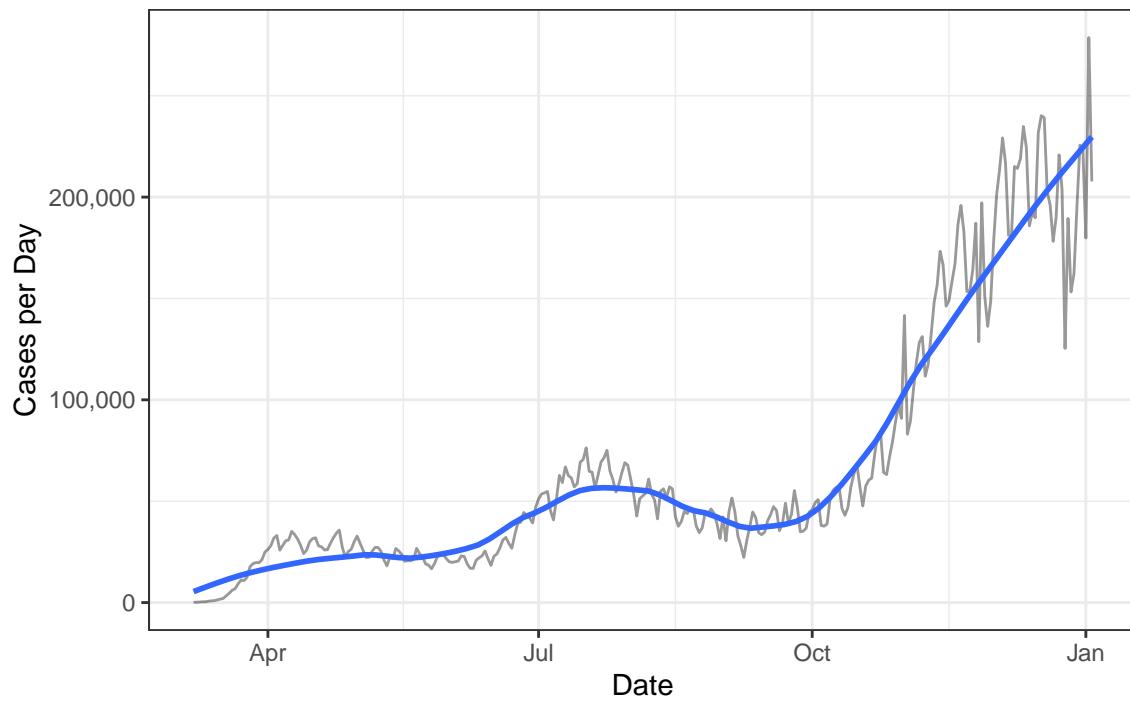
Cases

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

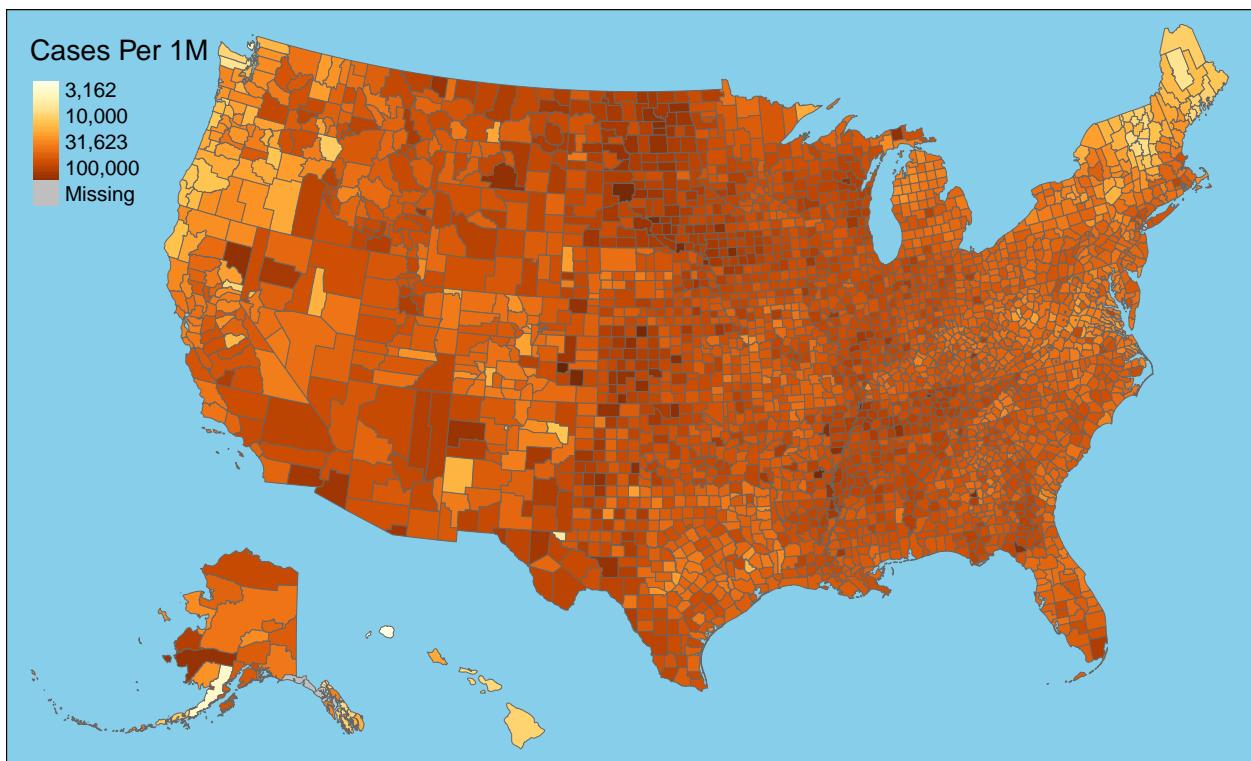
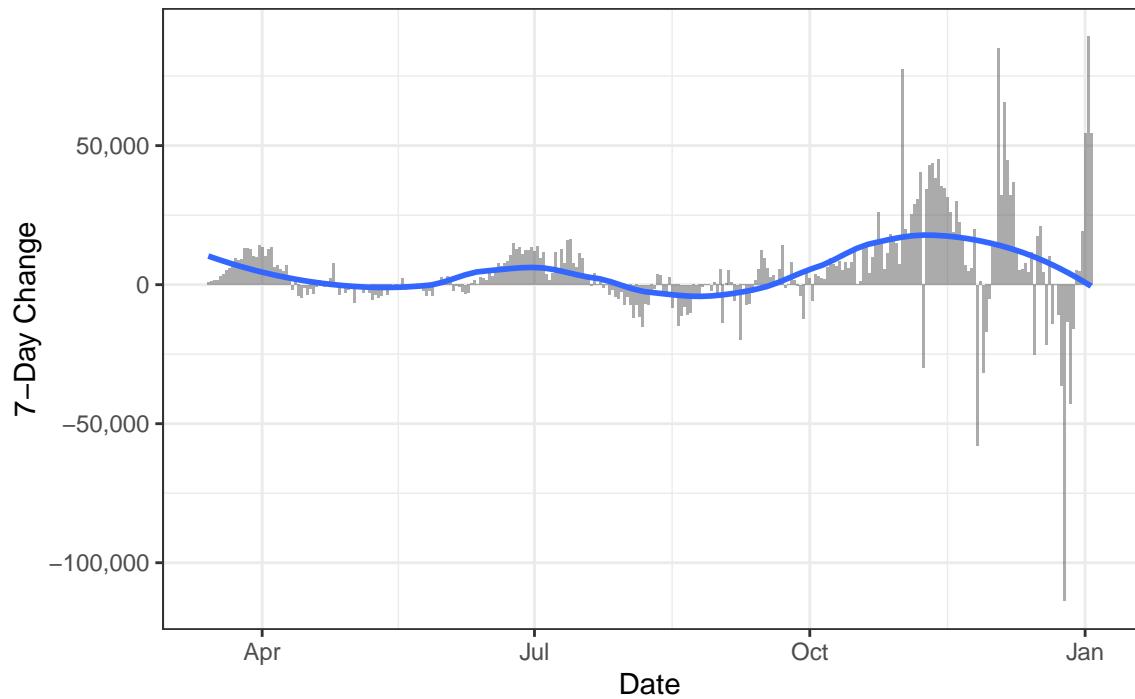
Active Cases



New Cases

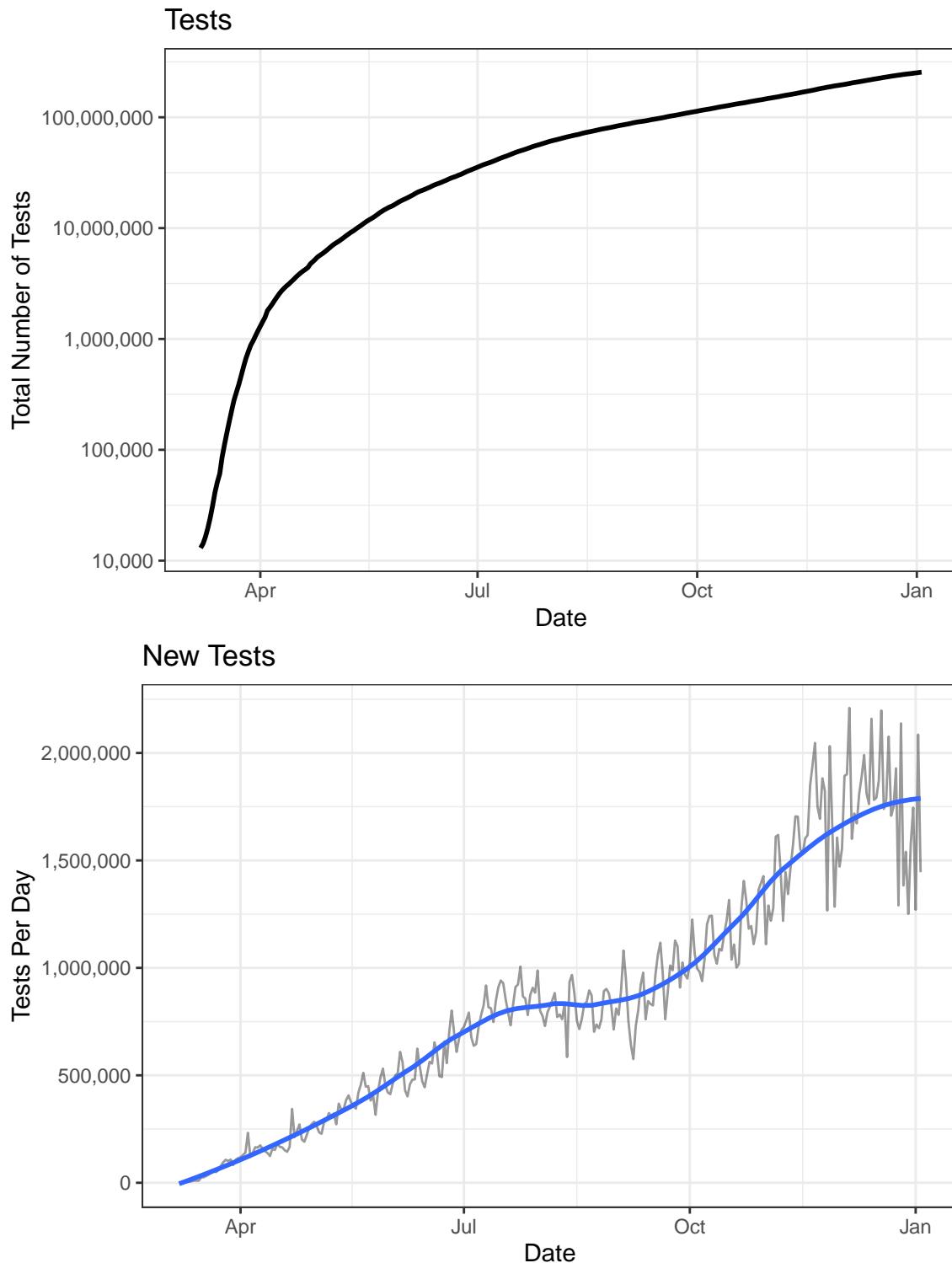


One-Week Change in Daily Cases

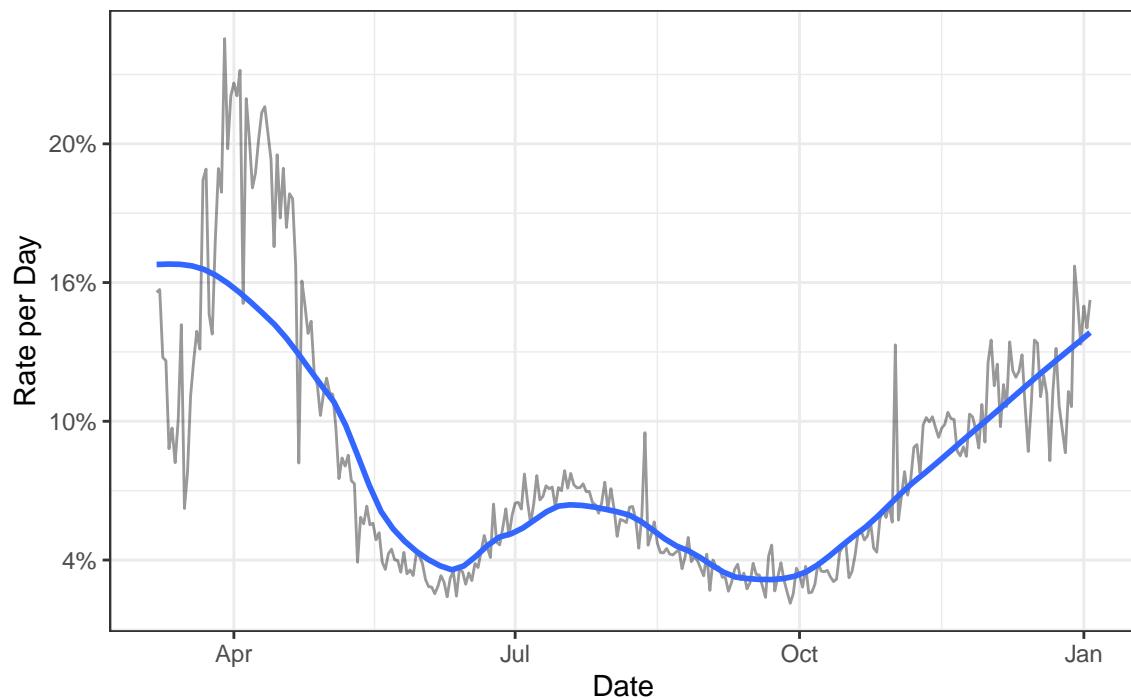


Testing

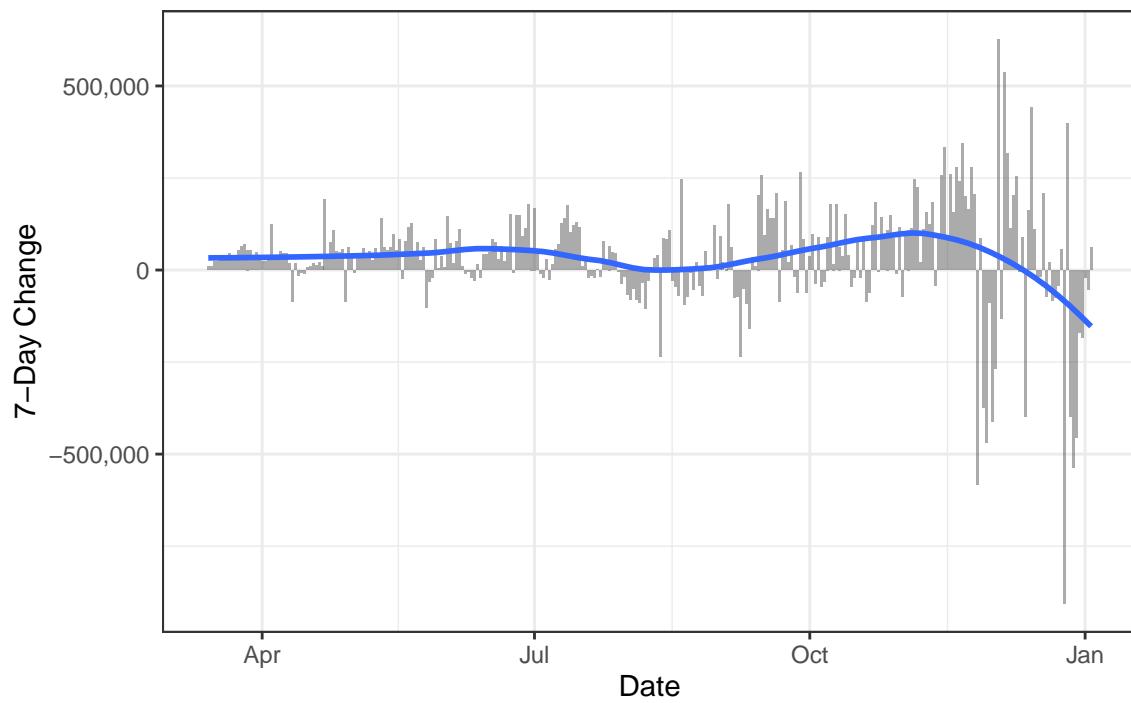
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

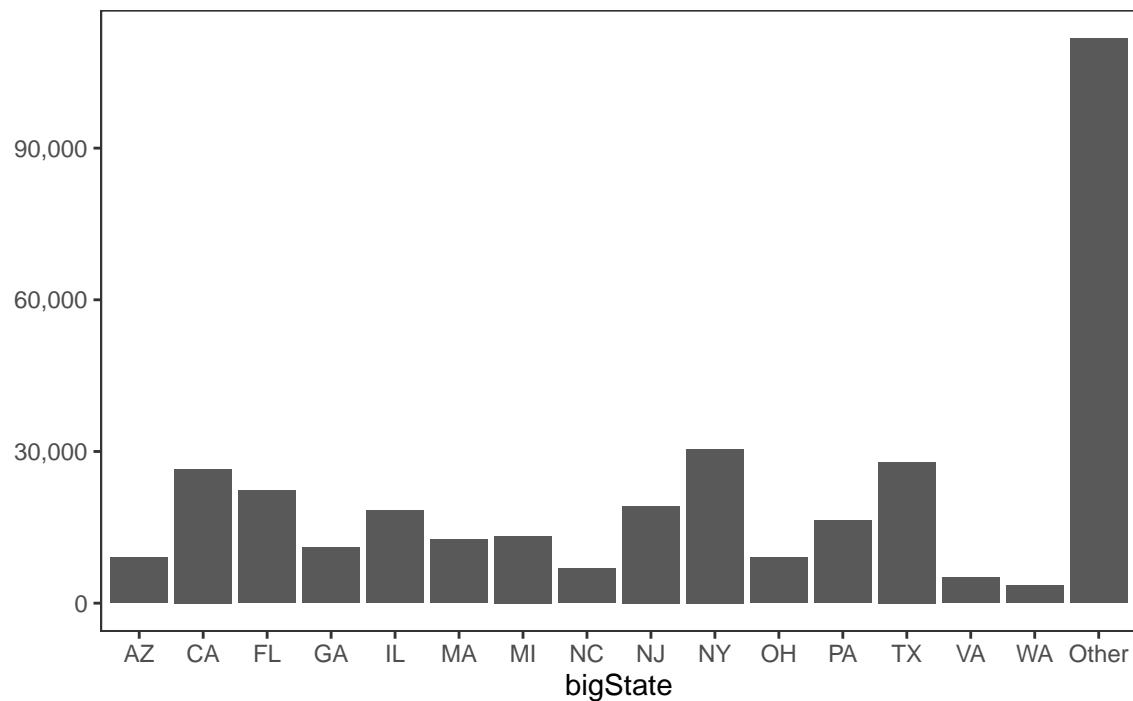


State Data

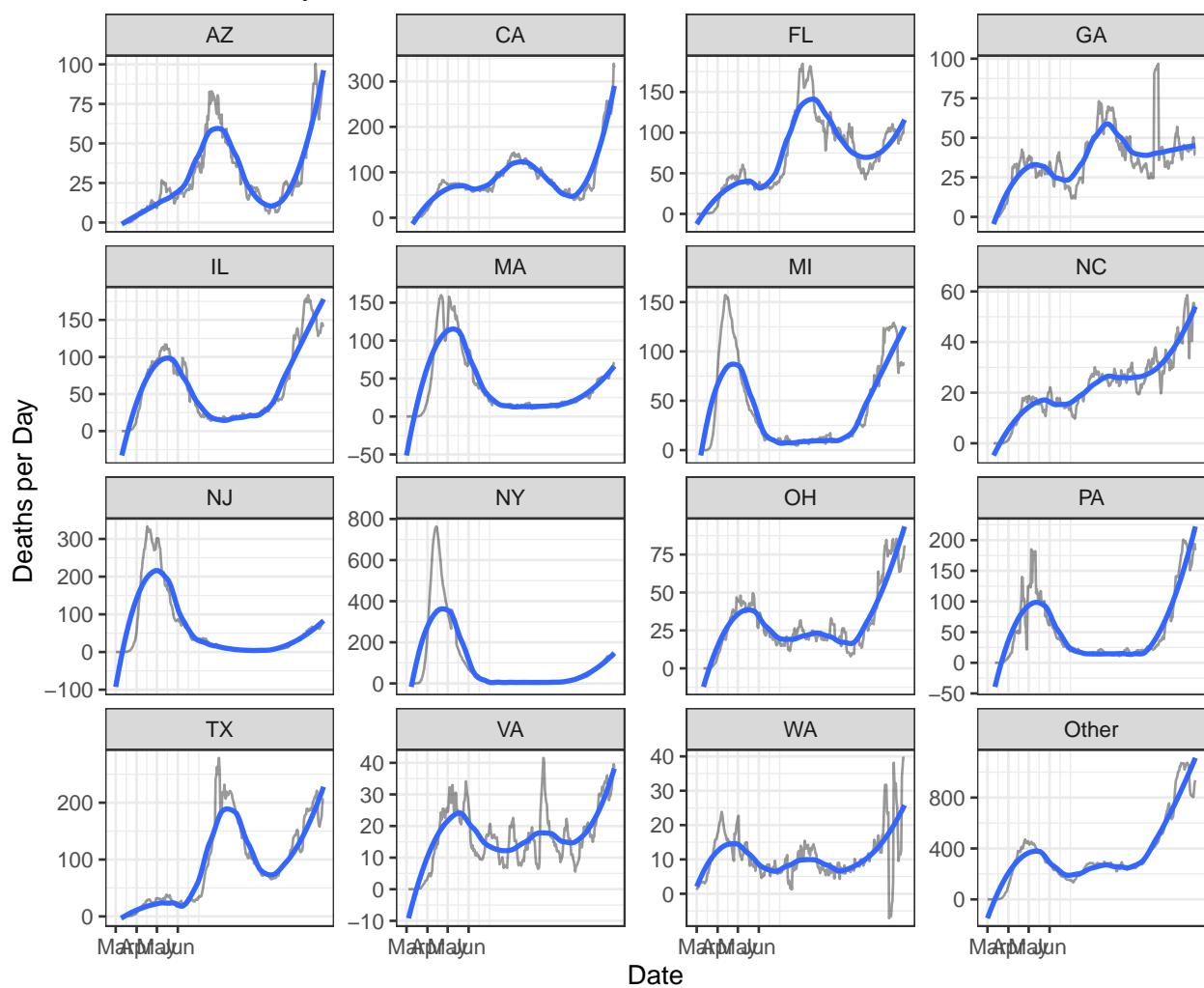
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

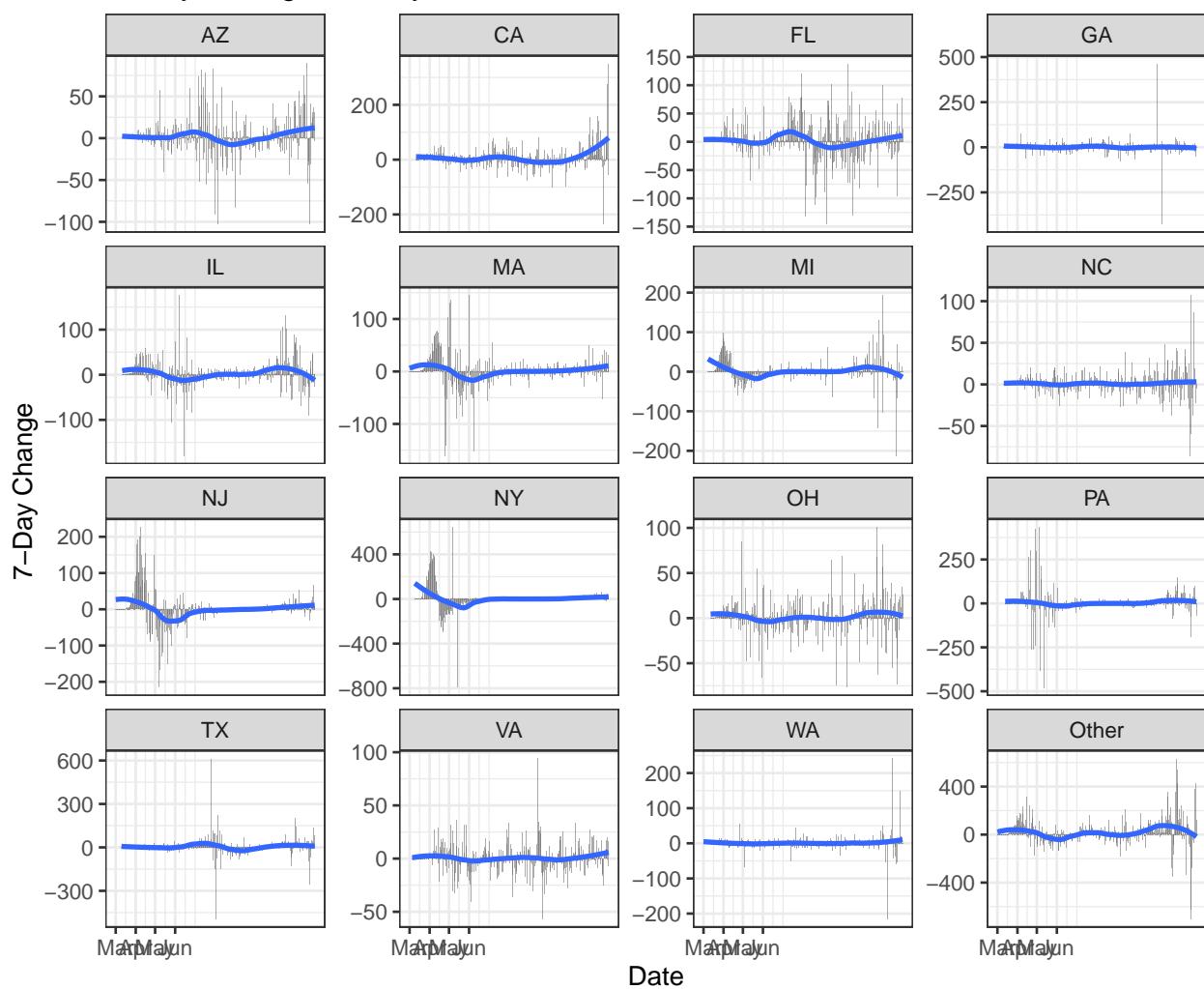
Deaths by State

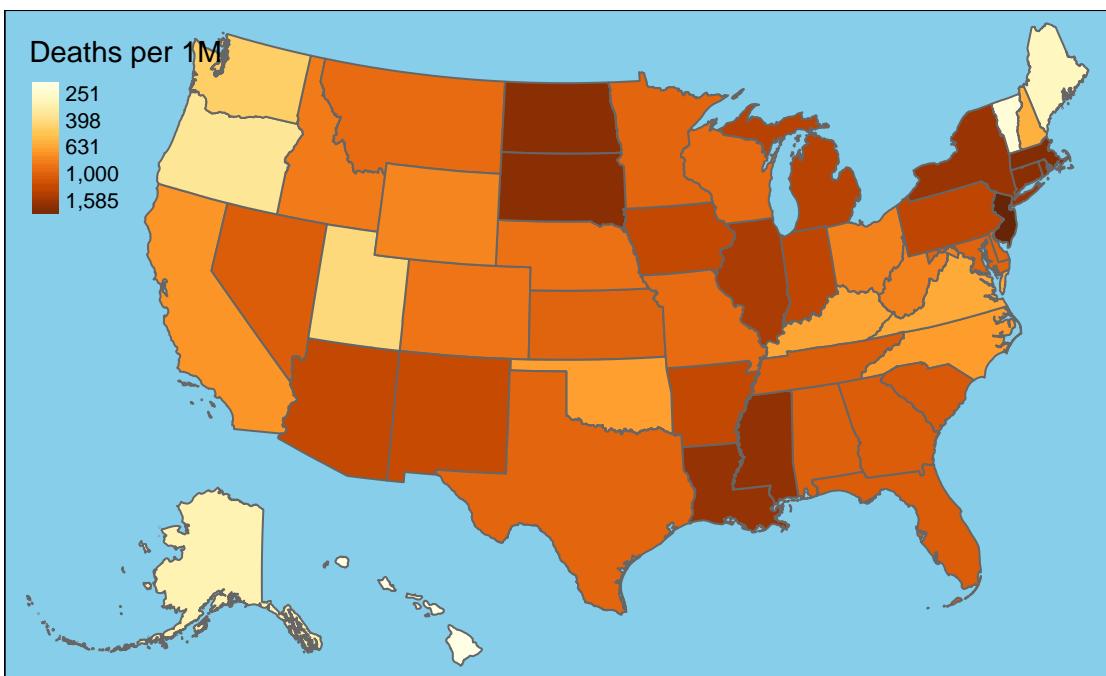
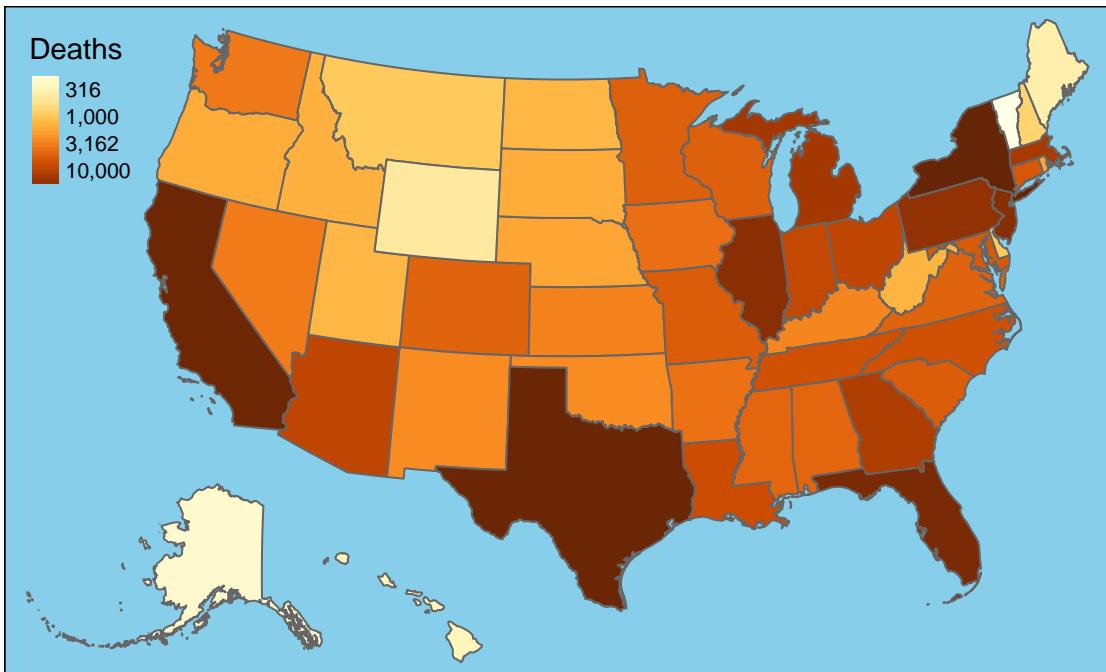


New Deaths by State



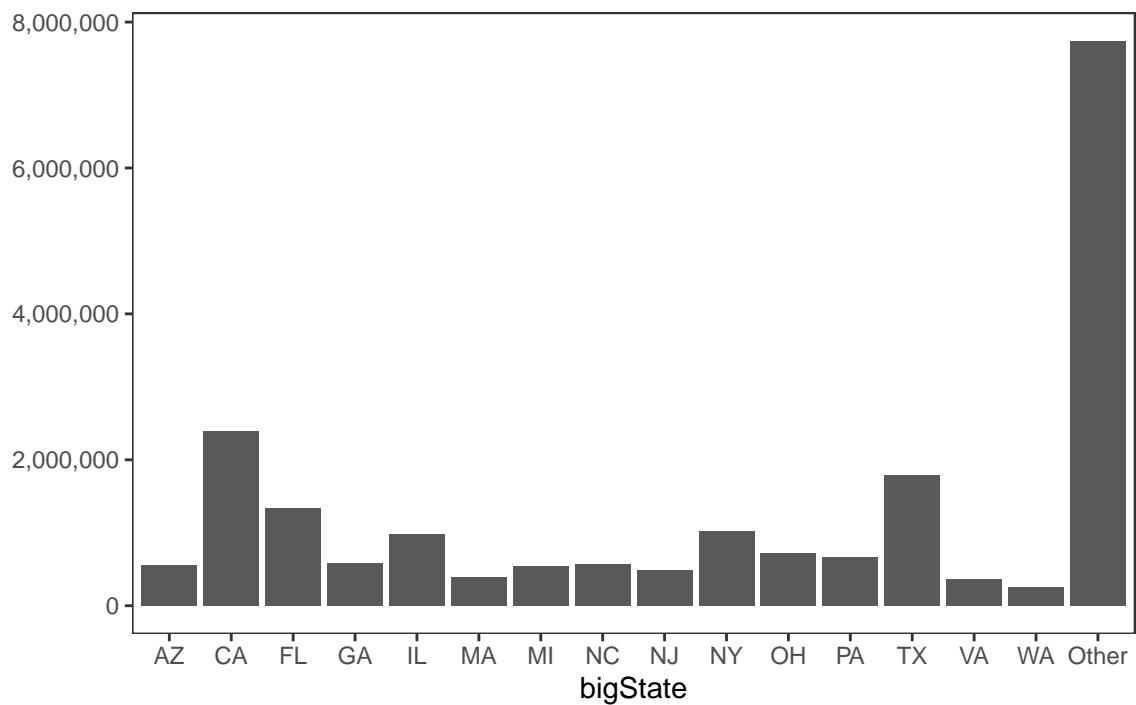
7-Day Change in Daily Deaths



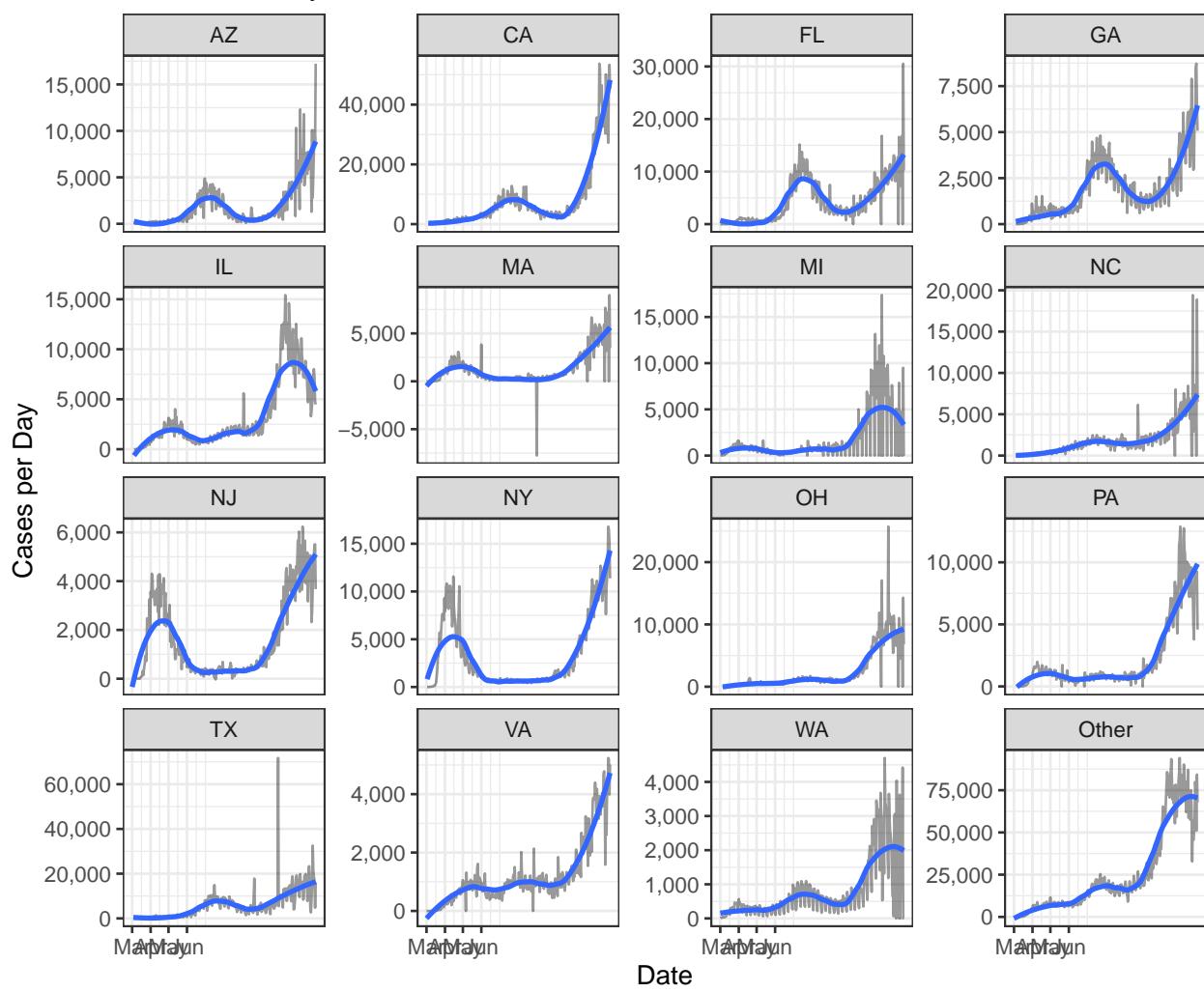


Cases

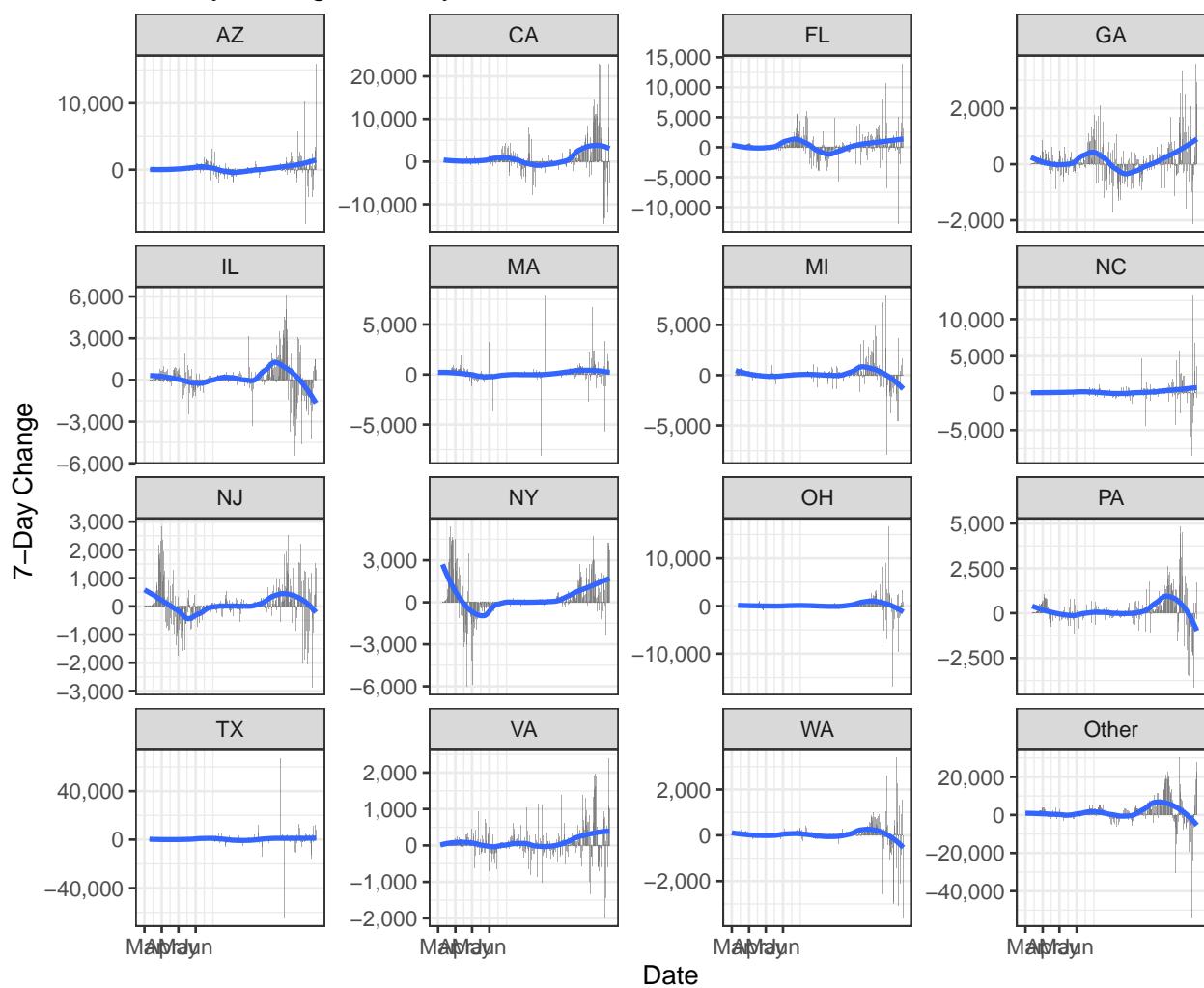
Cases by State

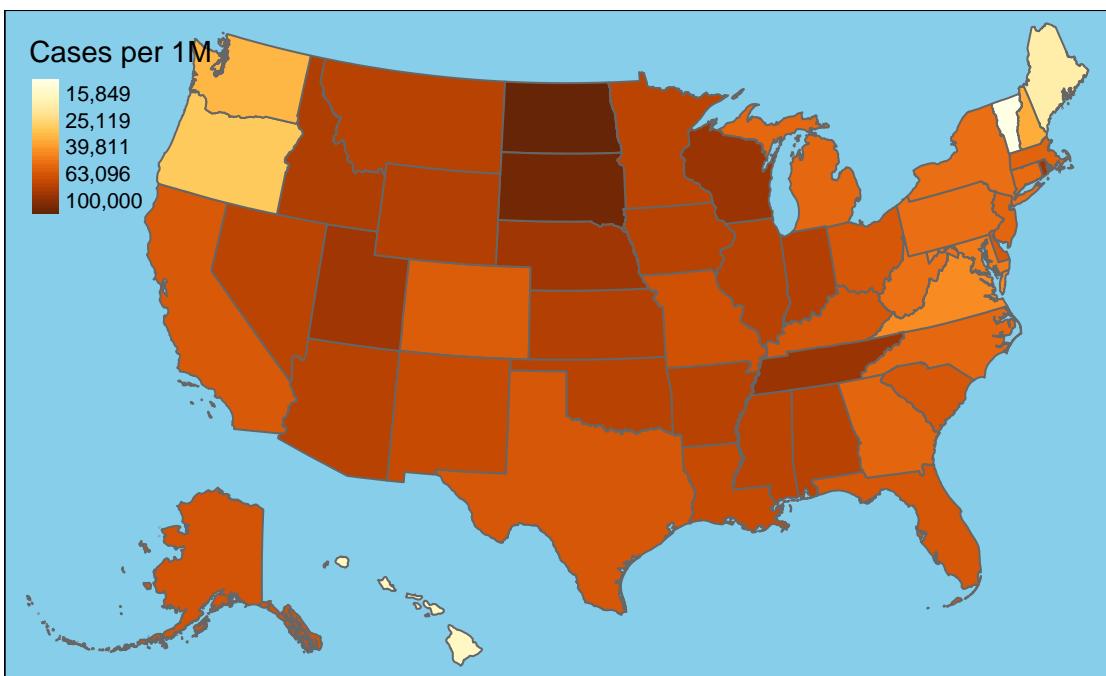
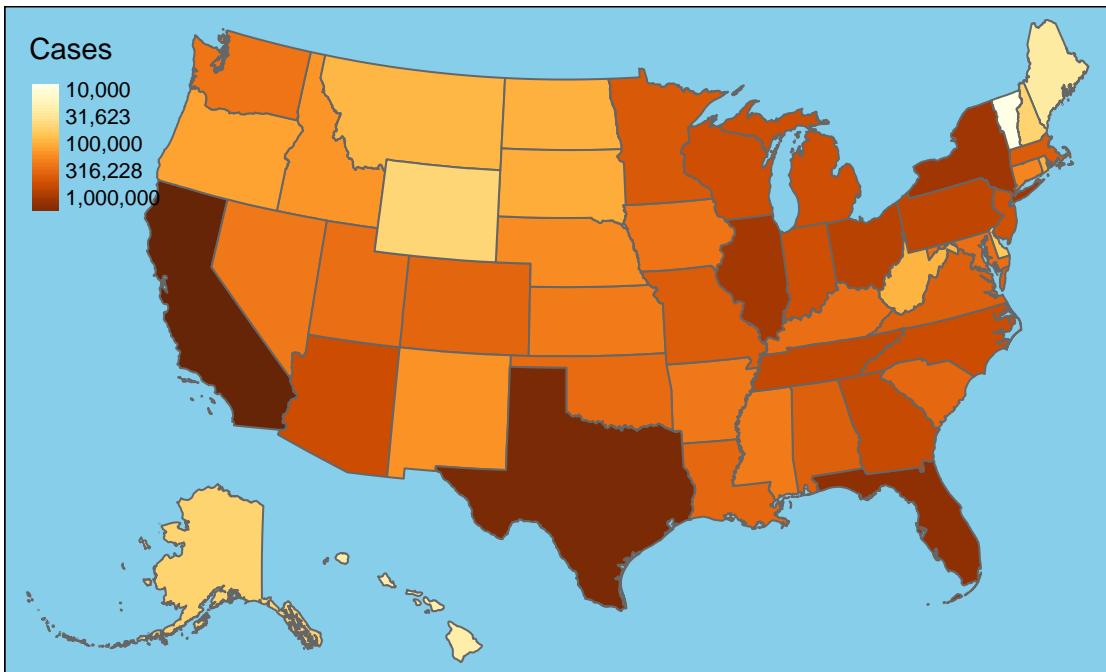


New Cases by State

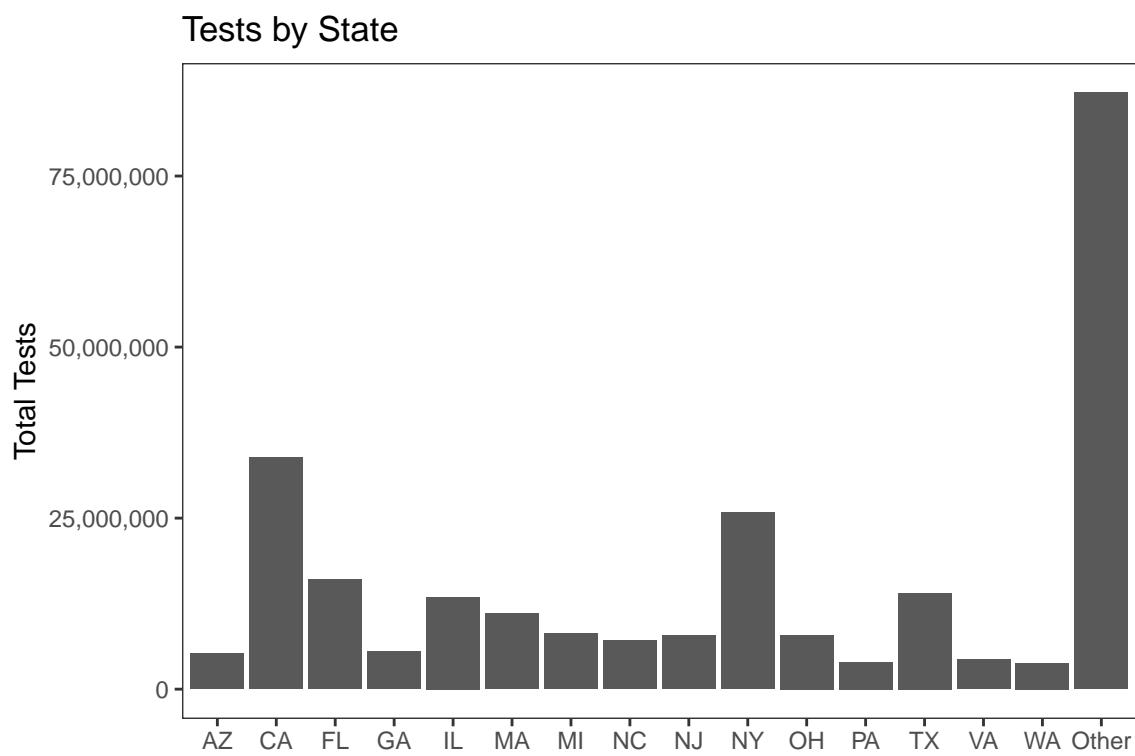


7-Day Change in Daily Cases

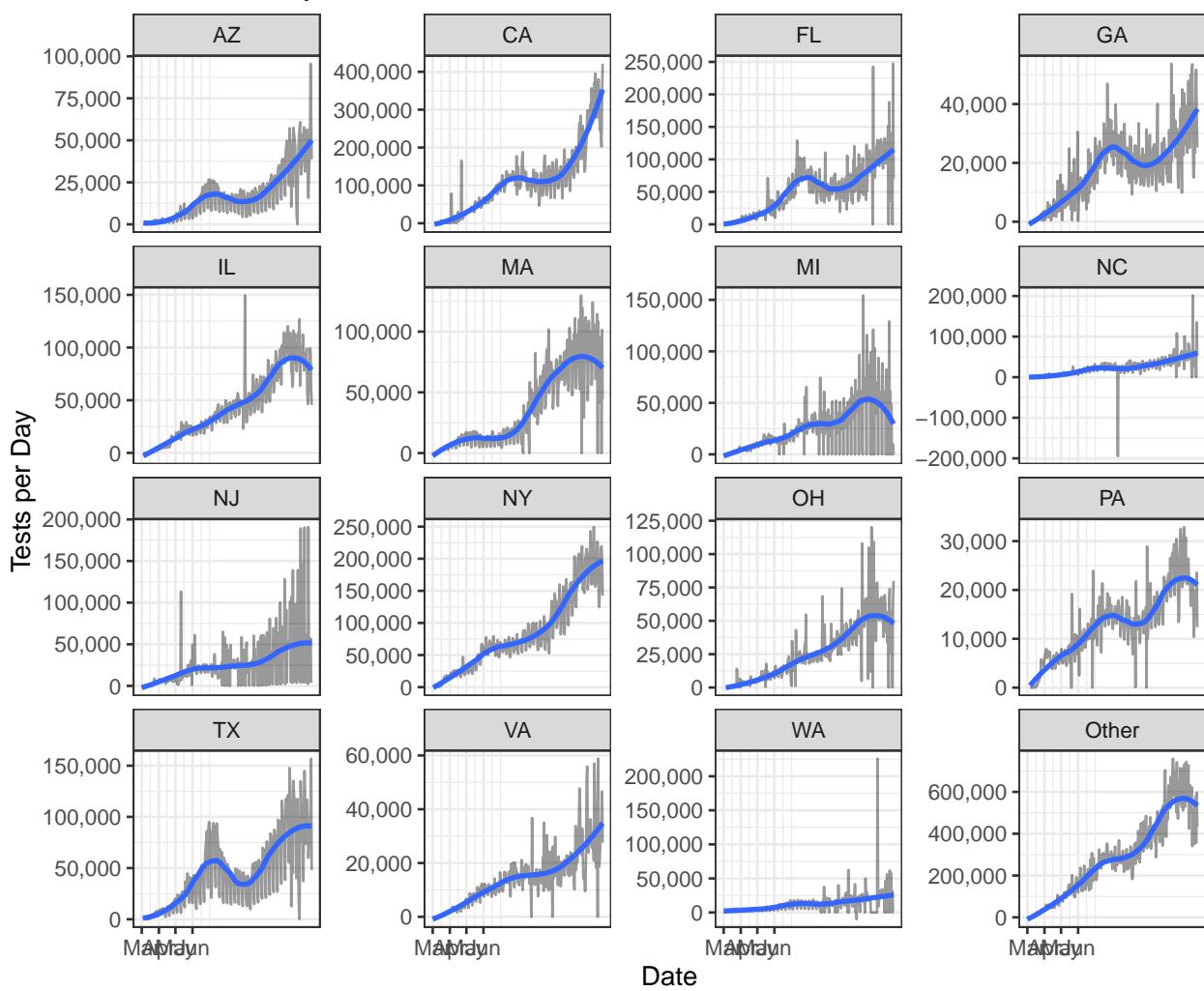


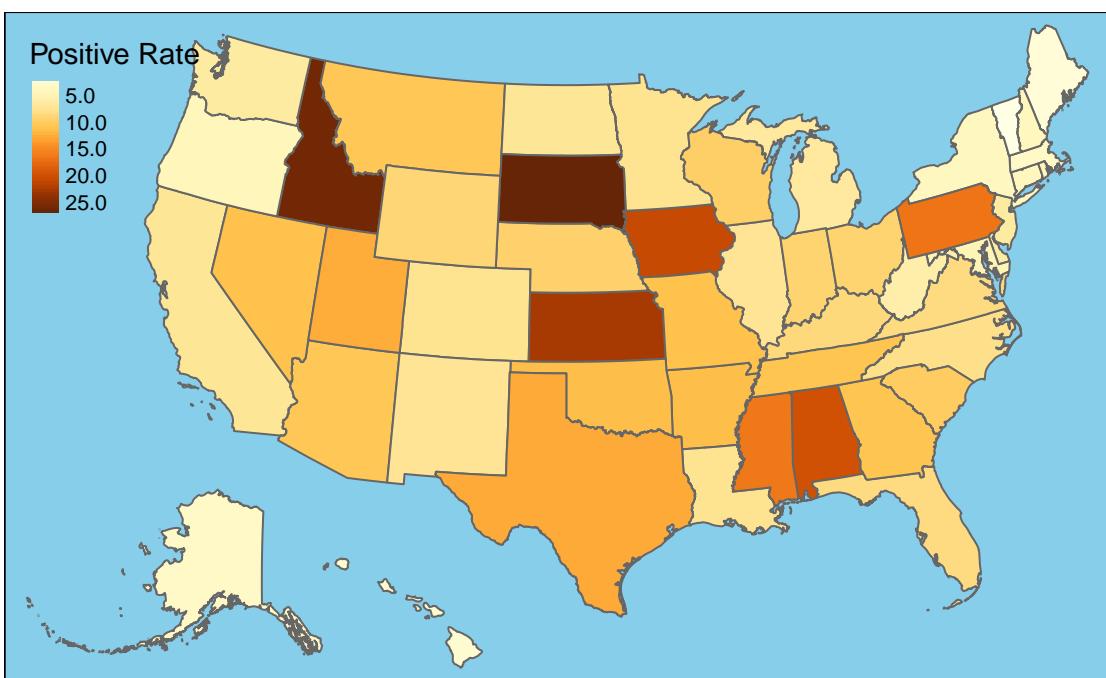
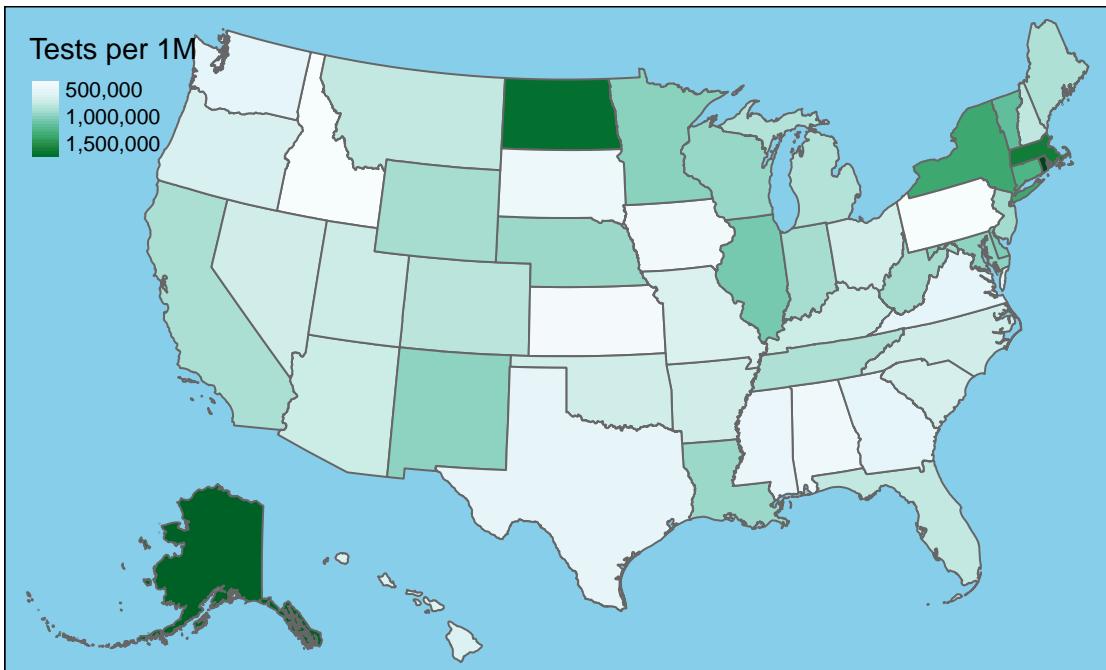


Testing



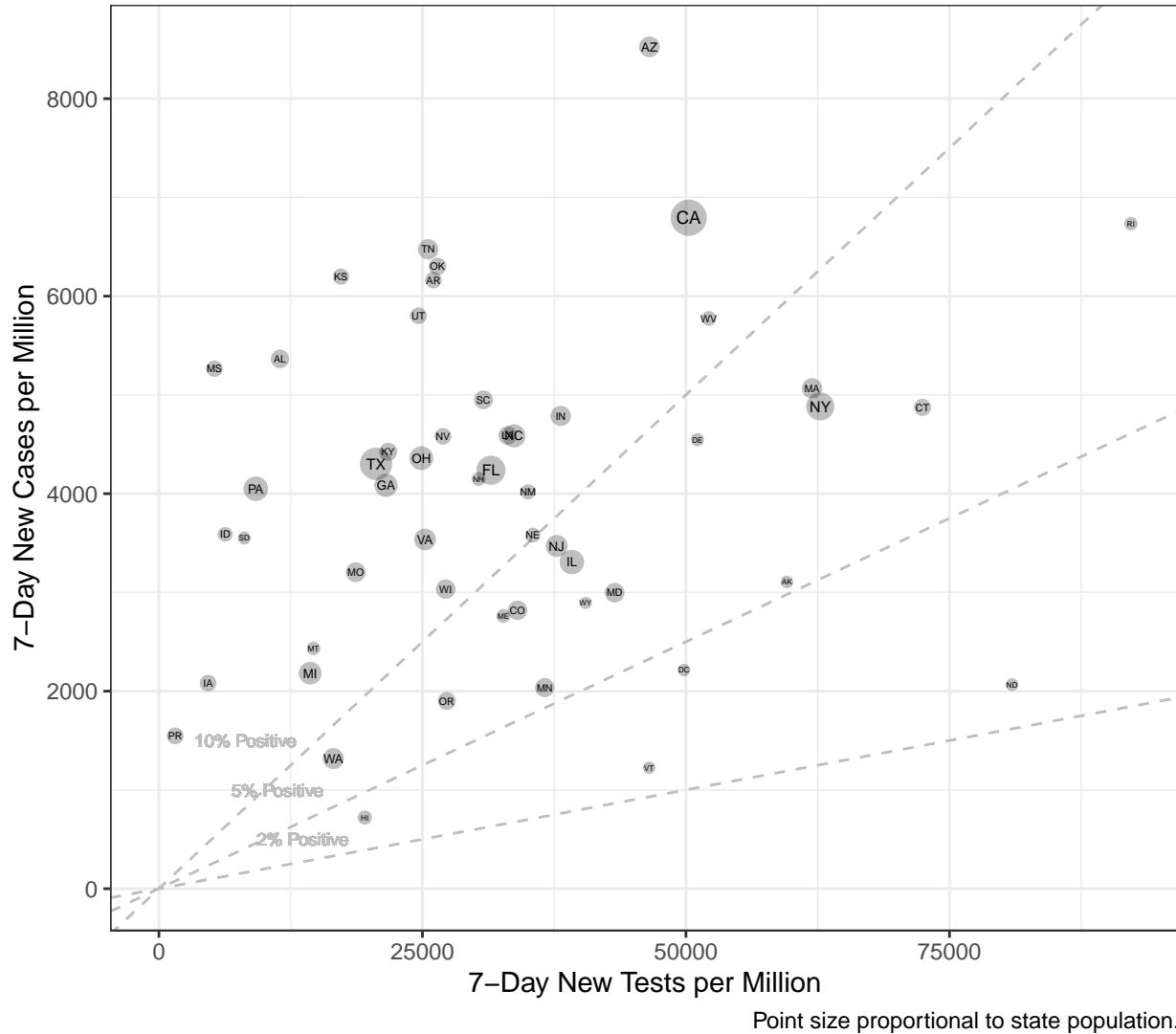
New Tests by State





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



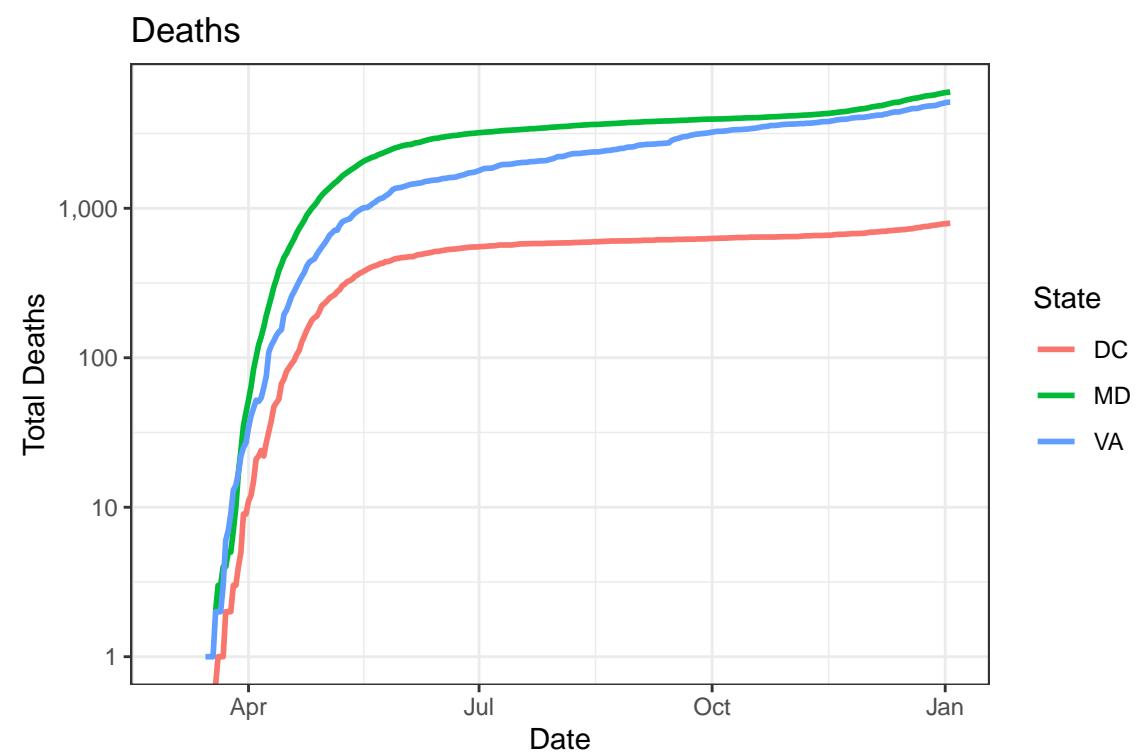
Local Data

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

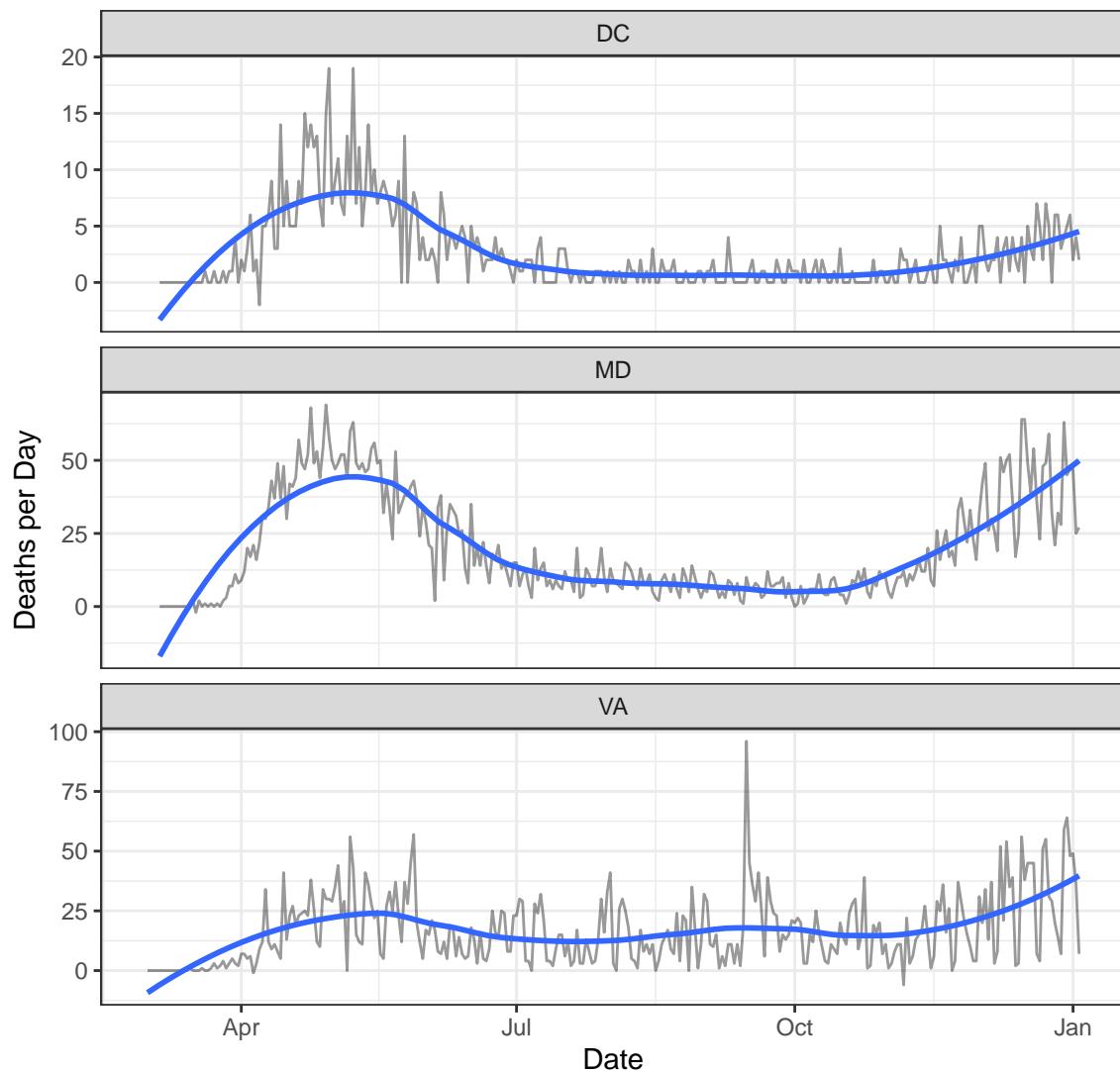
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	29,764	794	255	2
MD	285,319	5,994	2,148	27
VA	363,765	5,124	5,010	7

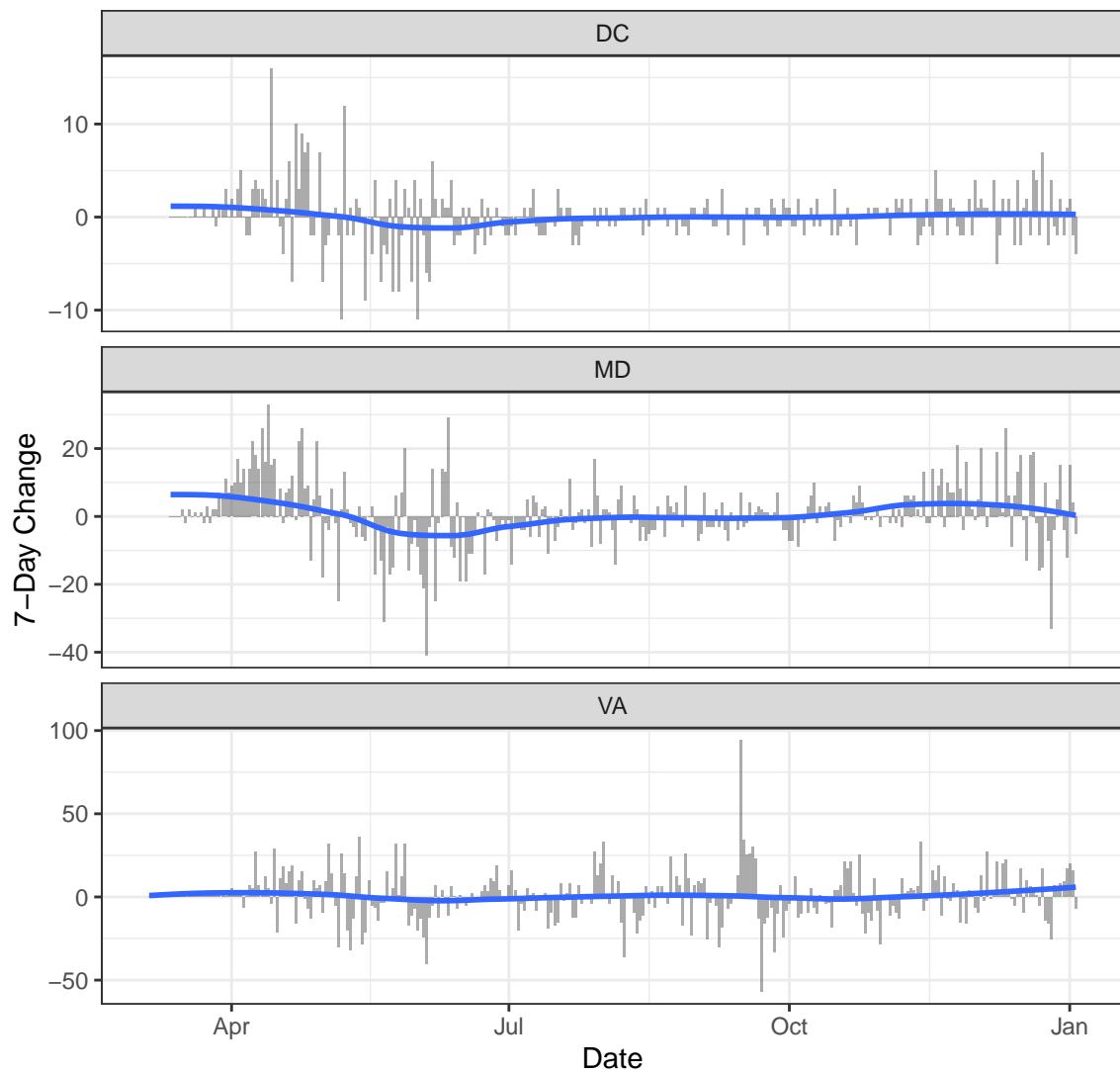
Deaths

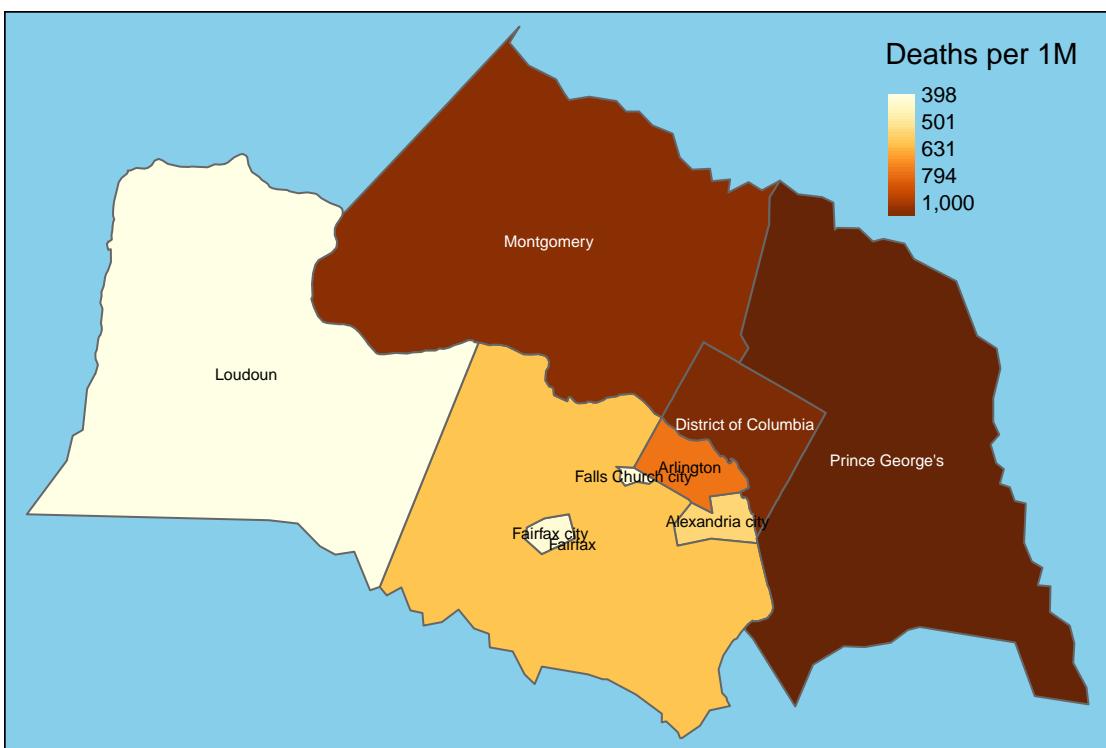
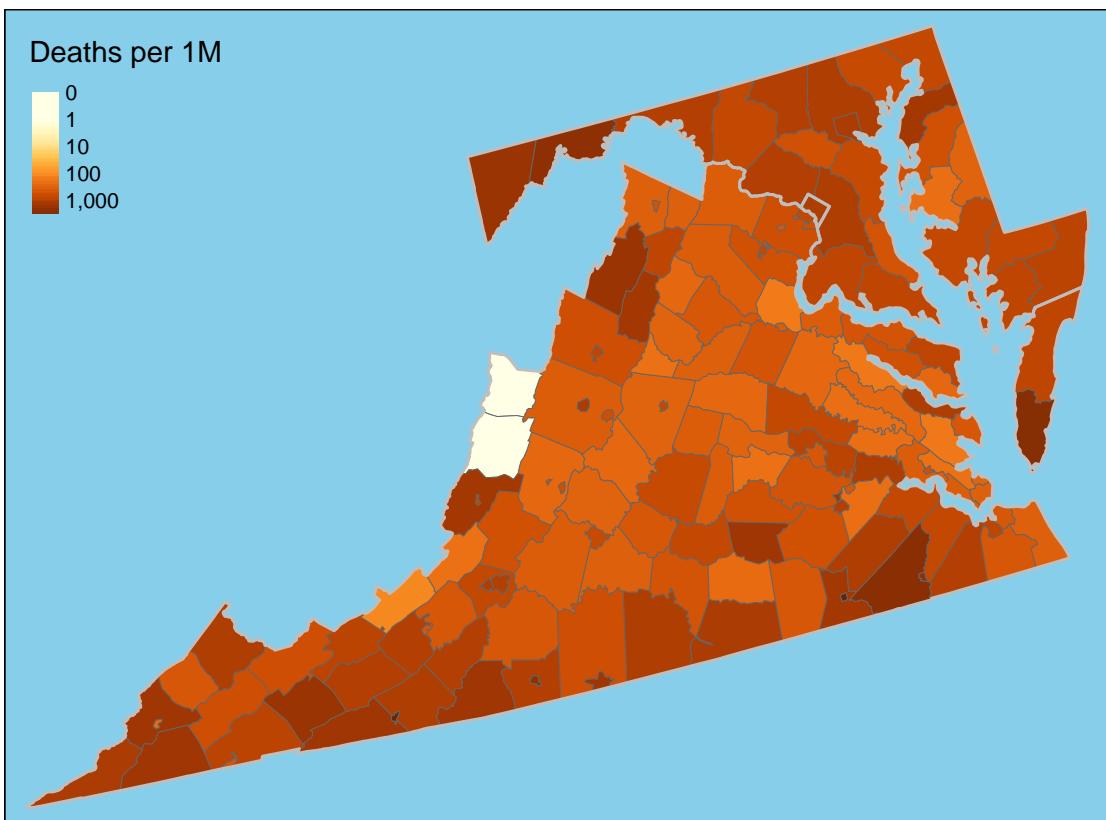


New Deaths

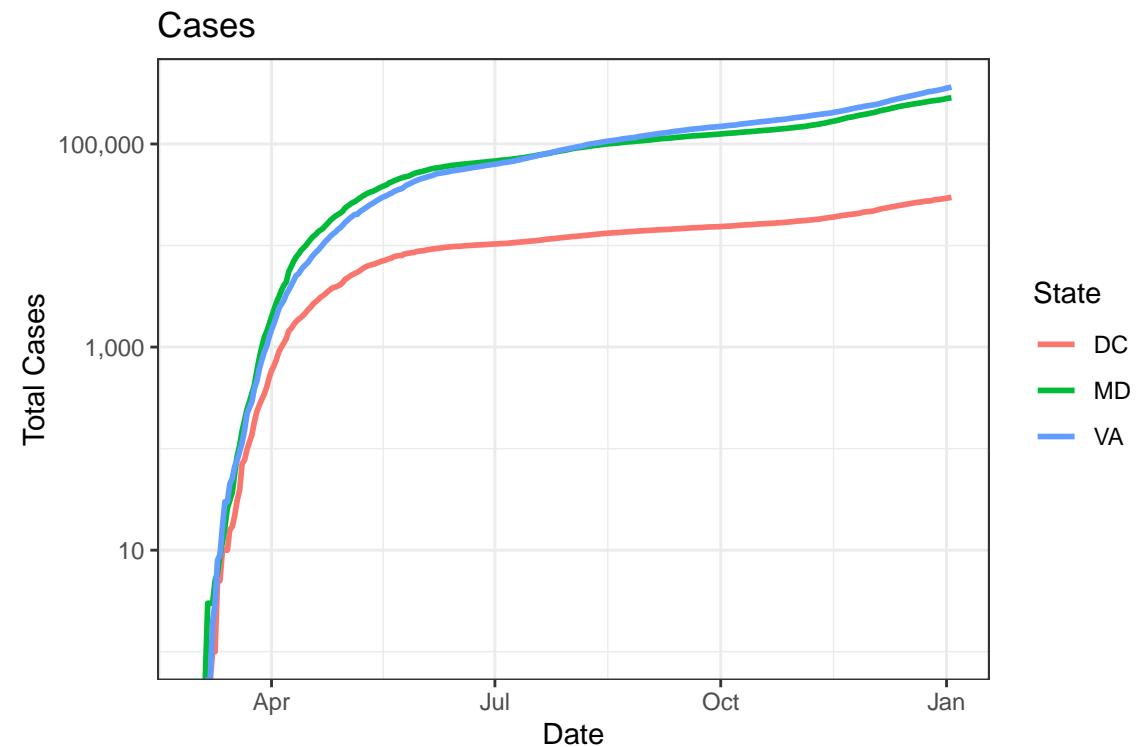


One-Week Change in Daily Deaths

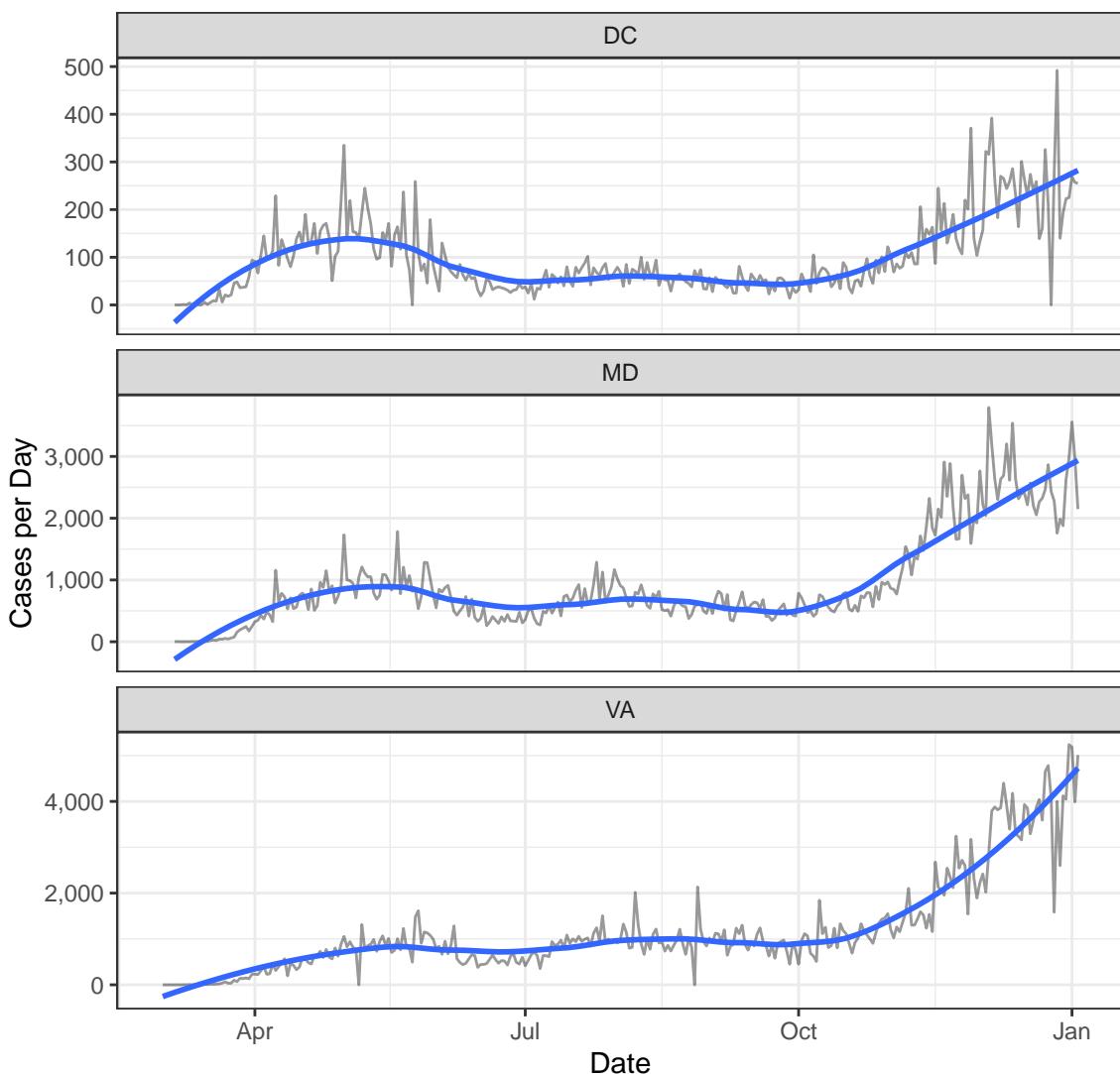




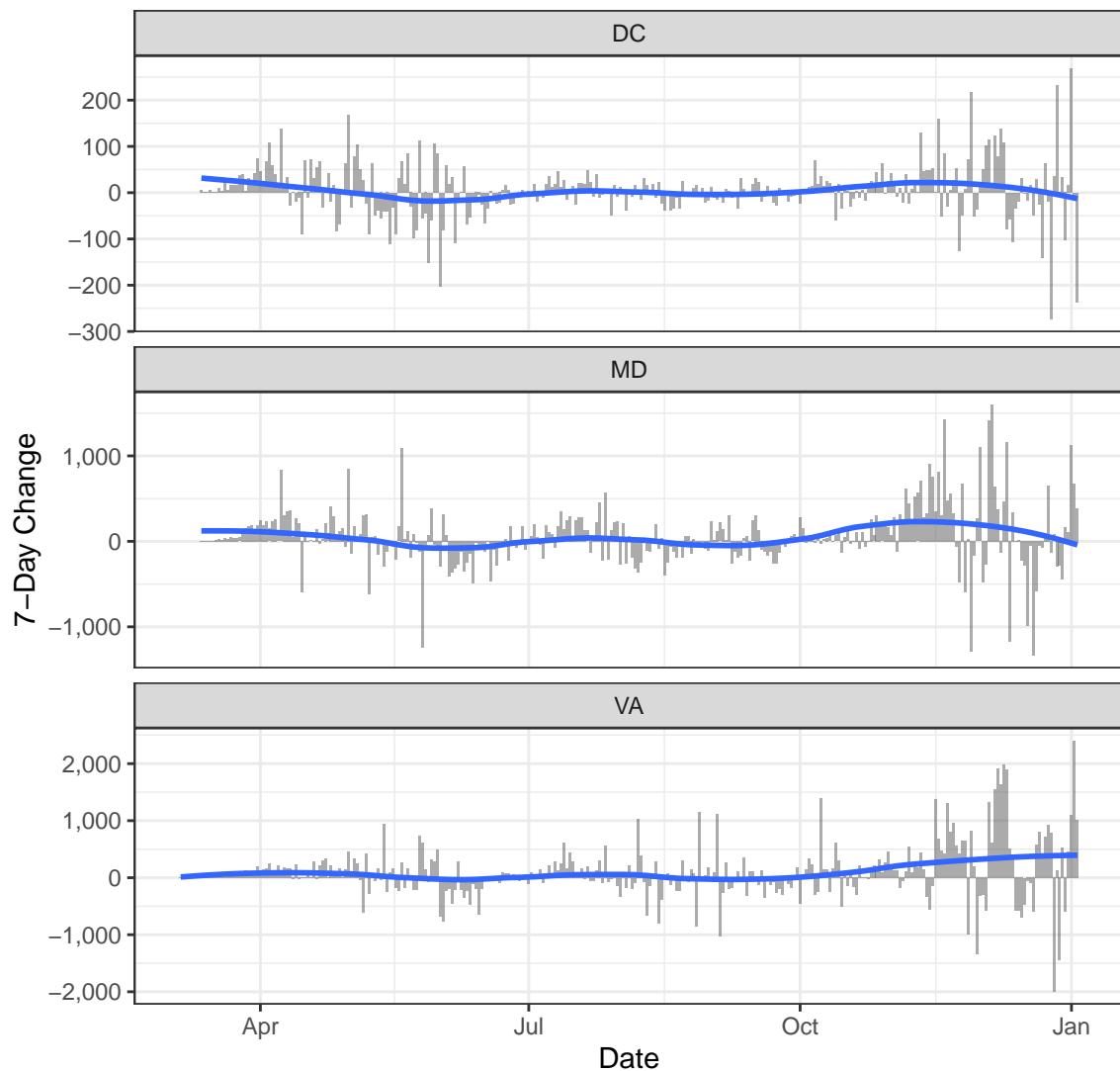
Cases

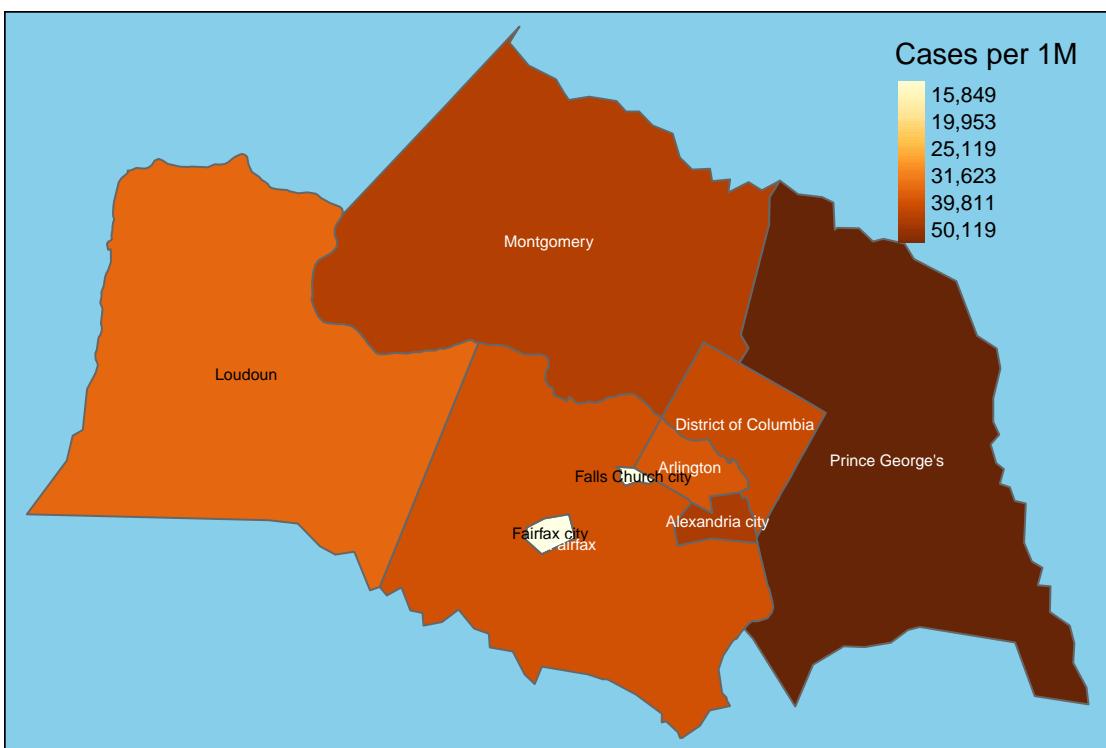
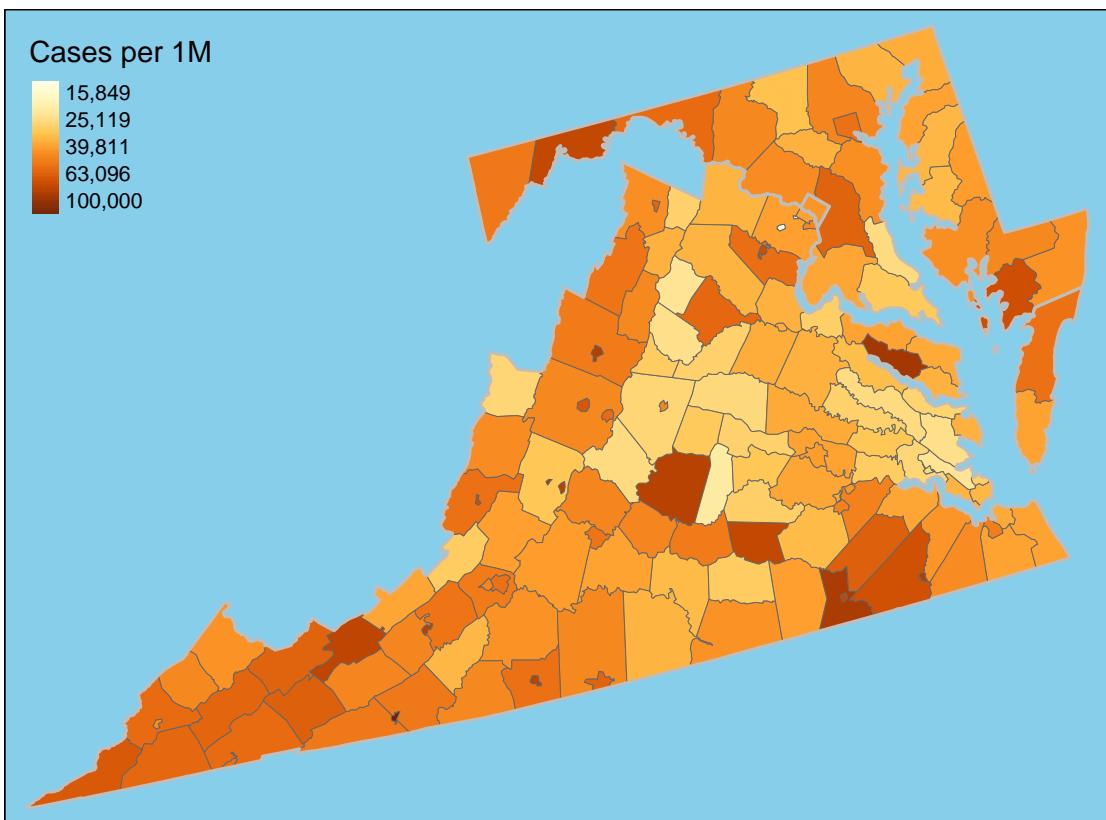


New Cases

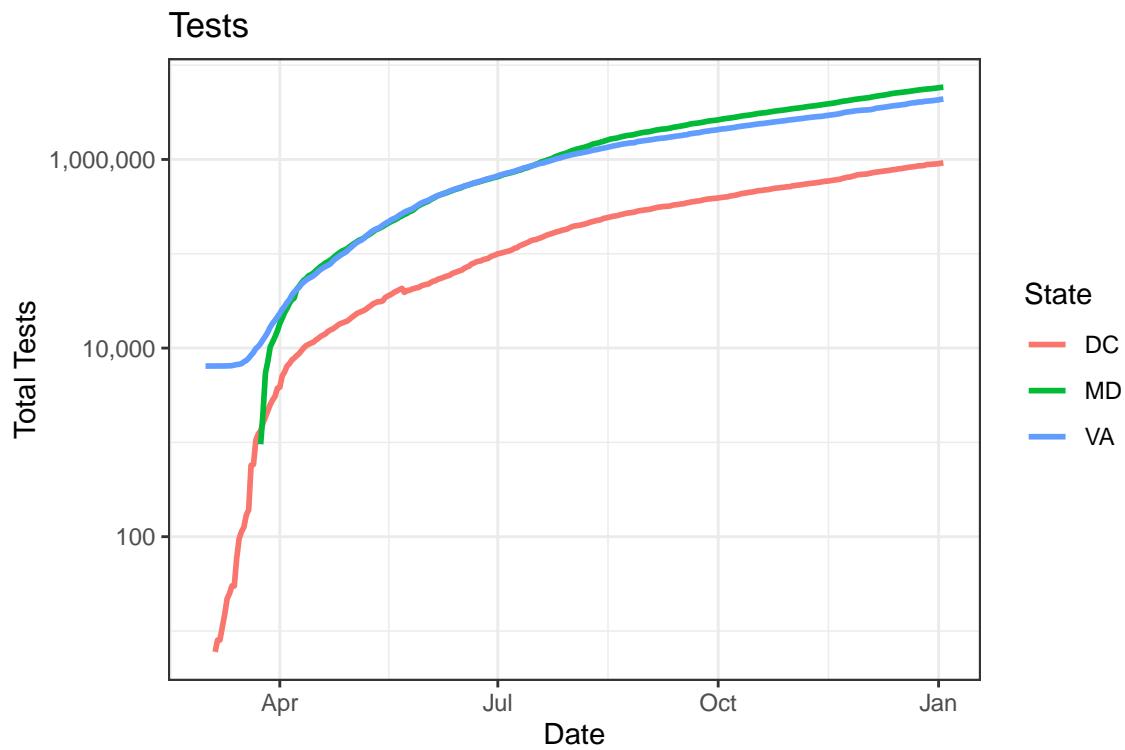


One-Week Change in Daily Cases

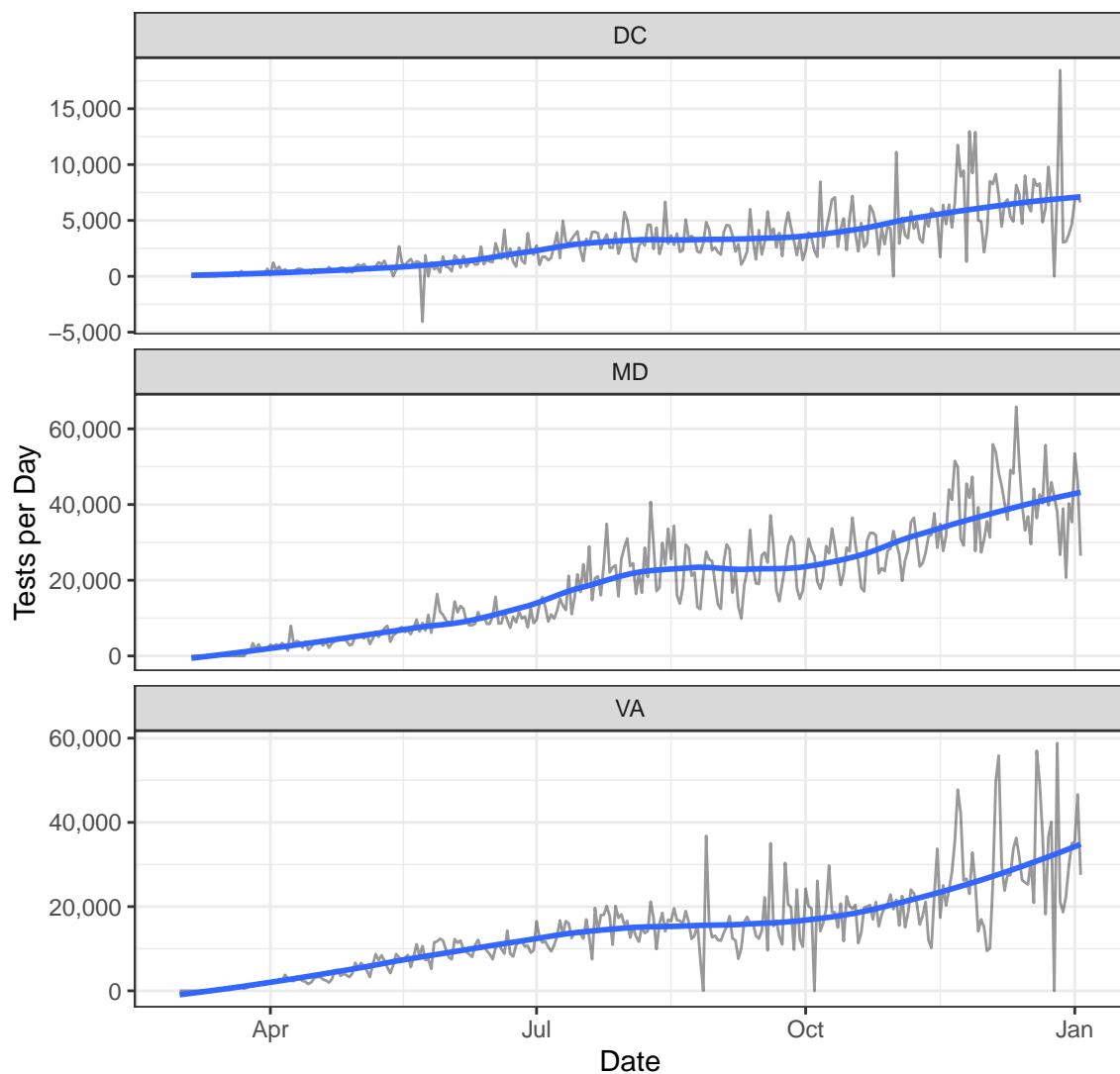




Testing



New Tests



Positive Test Rate

