

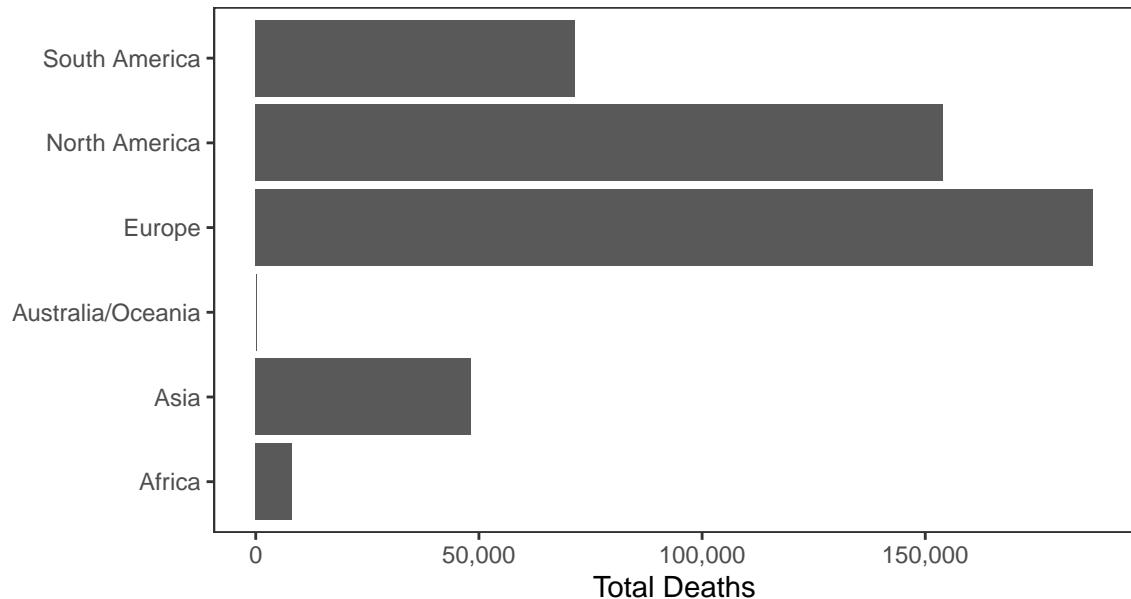
Erik's Covid-19 Chart Pack

Data updated 2020-06-22 07:11:55. 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 9,038,937 confirmed Covid-19 cases and 469,604 deaths worldwide.

Deaths



Cases

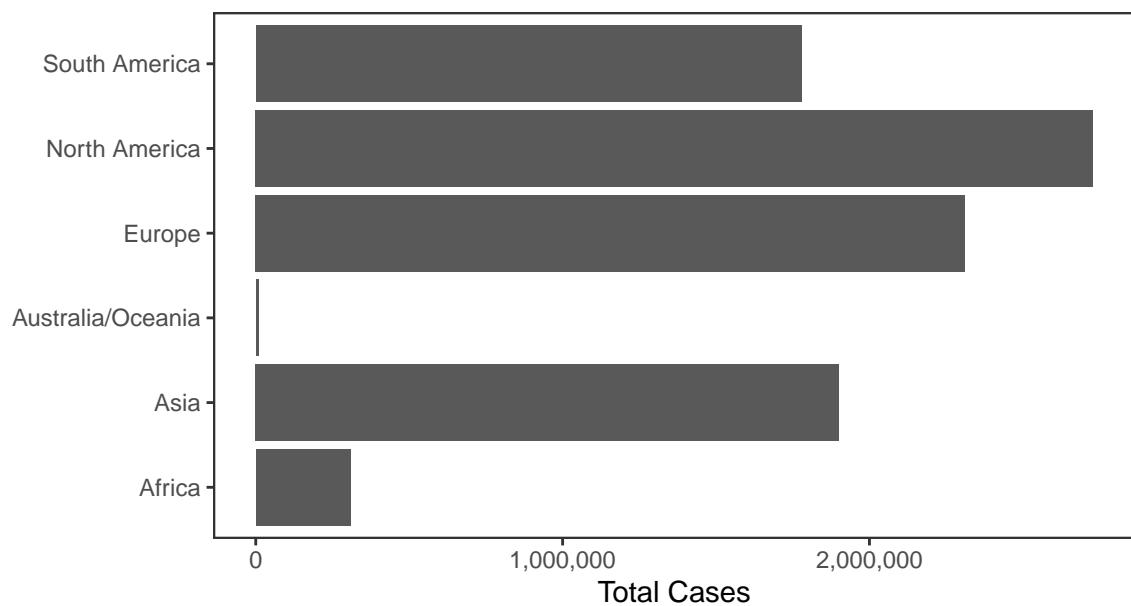
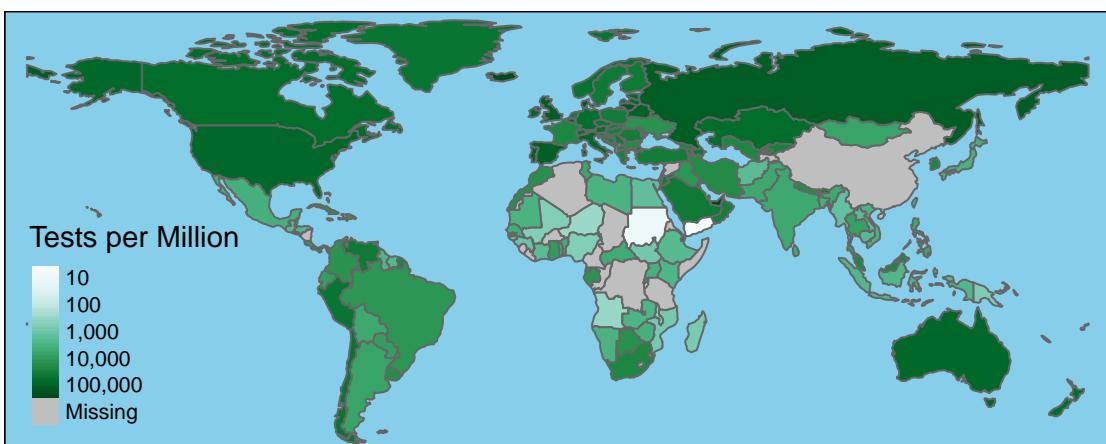
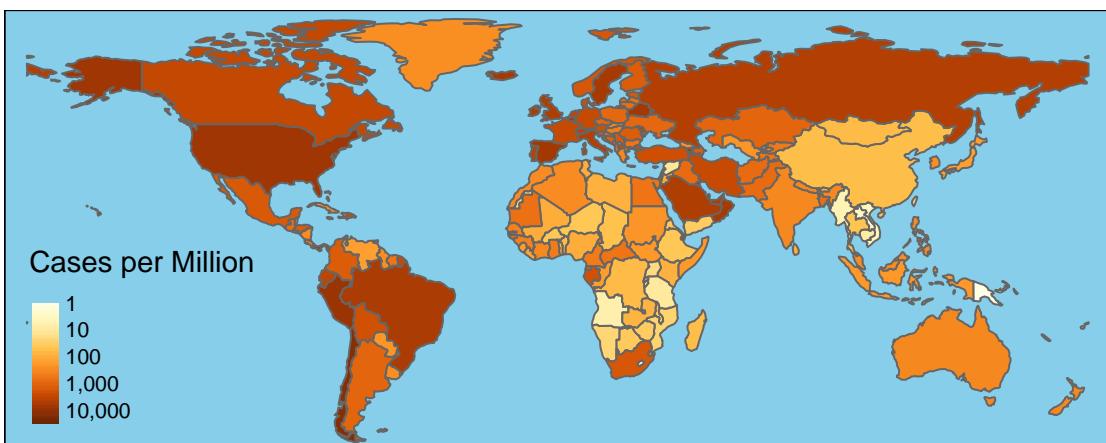
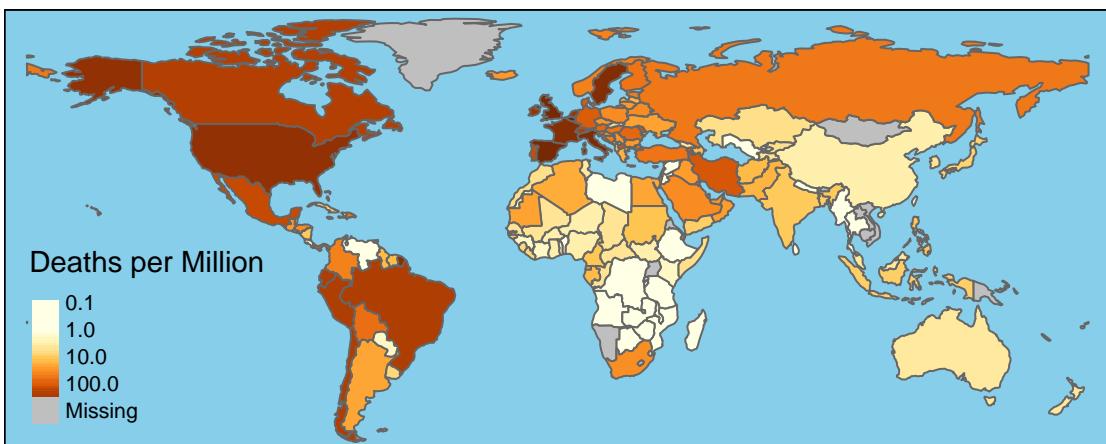


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,356,657	122,247	26,079	267
Brazil	1,086,990	50,659	16,851	601
Russia	584,680	8,111	7,728	109
India	426,910	13,703	15,183	426
UK	304,331	42,632	1,221	43
Spain	293,352	28,323	334	1
Peru	254,936	8,045	3,598	184
Chile	242,355	4,479	5,607	184
Italy	238,499	34,634	224	24
Iran	204,952	9,623	2,368	116
Germany	191,575	8,962	359	1
Turkey	187,685	4,950	1,192	23
Pakistan	176,617	3,501	4,951	119
Mexico	175,202	20,781	4,717	387
France	160,377	29,640	284	7
Saudi Arabia	157,612	1,267	3,379	37
Bangladesh	112,306	1,464	3,531	39
Canada	101,337	8,430	318	20
South Africa	97,302	1,930	4,621	53
Qatar	87,369	98	881	4



National Data

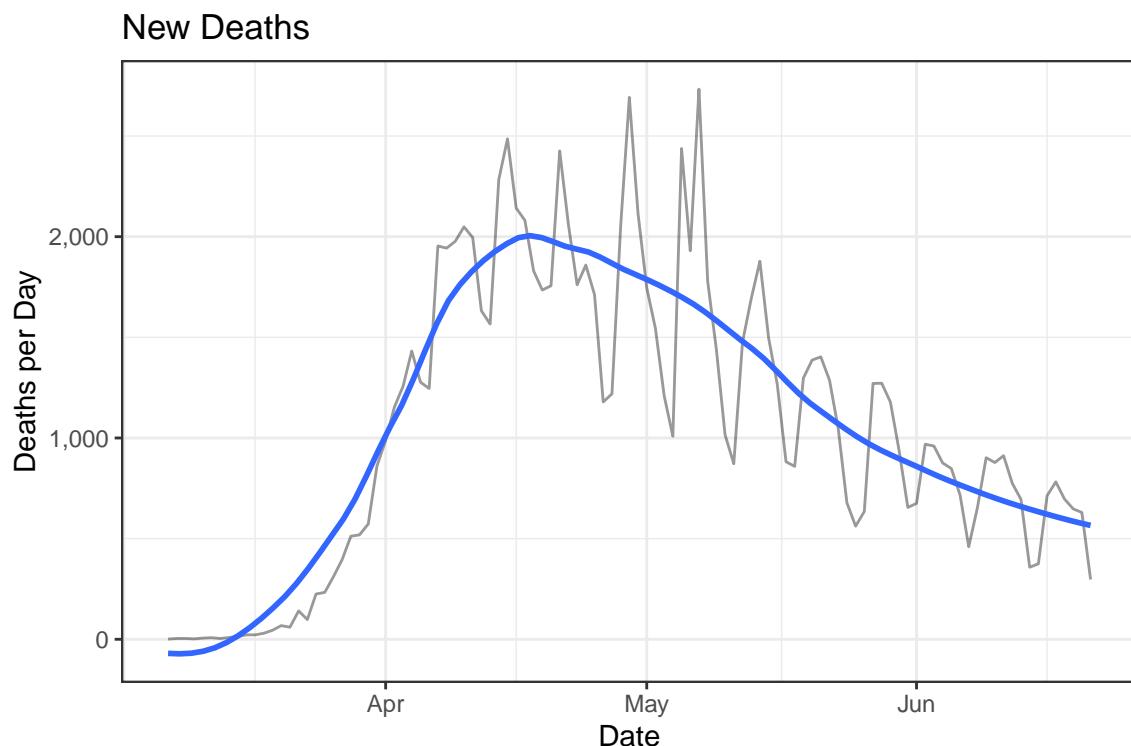
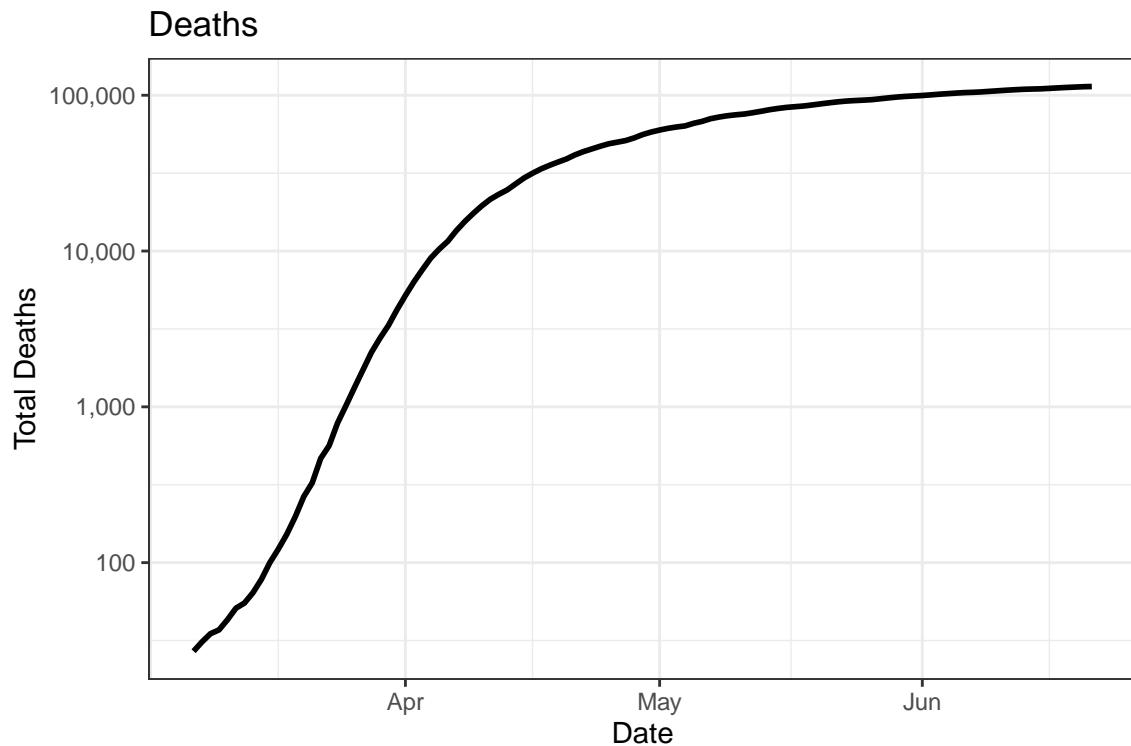
There have been 2,269,455 confirmed Covid-19 cases and 113,749 deaths in the United States.

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

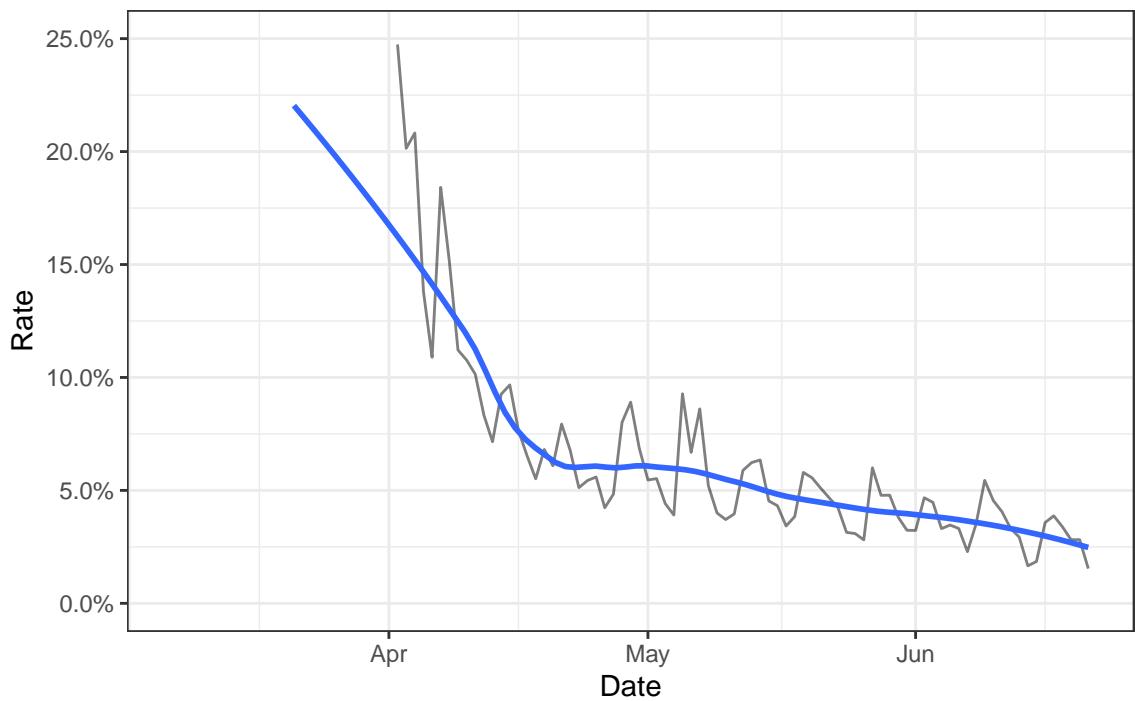
Date	Cases	Deaths	New Cases	New Deaths
2020-06-21	2,269,455	113,749	27,465	297
2020-06-20	2,241,990	113,452	32,325	630
2020-06-19	2,209,665	112,822	31,327	648
2020-06-18	2,178,338	112,174	27,406	697
2020-06-17	2,150,932	111,477	23,885	782
2020-06-16	2,127,047	110,695	23,498	713
2020-06-15	2,103,549	109,982	18,521	375
2020-06-14	2,085,028	109,607	21,486	358
2020-06-13	2,063,542	109,249	25,344	695
2020-06-12	2,038,198	108,554	23,318	775
2020-06-11	2,014,880	107,779	22,023	912
2020-06-10	1,992,857	106,867	20,749	878
2020-06-09	1,972,108	105,989	17,166	902
2020-06-08	1,954,942	105,087	17,123	655

Deaths

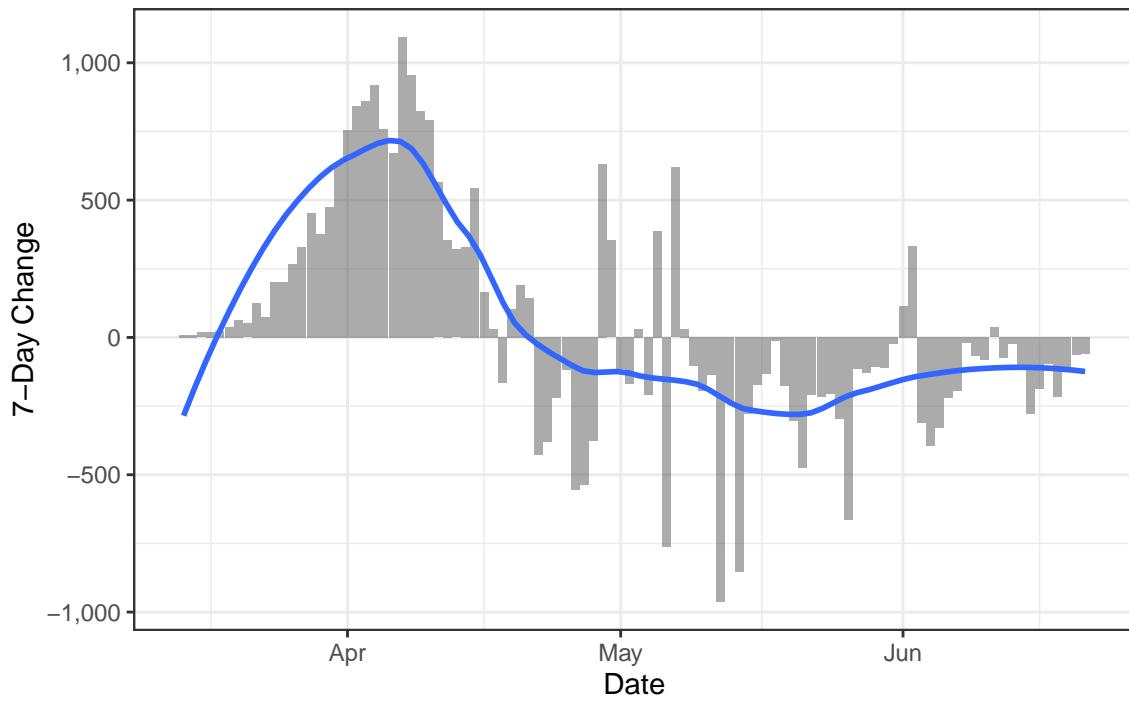
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

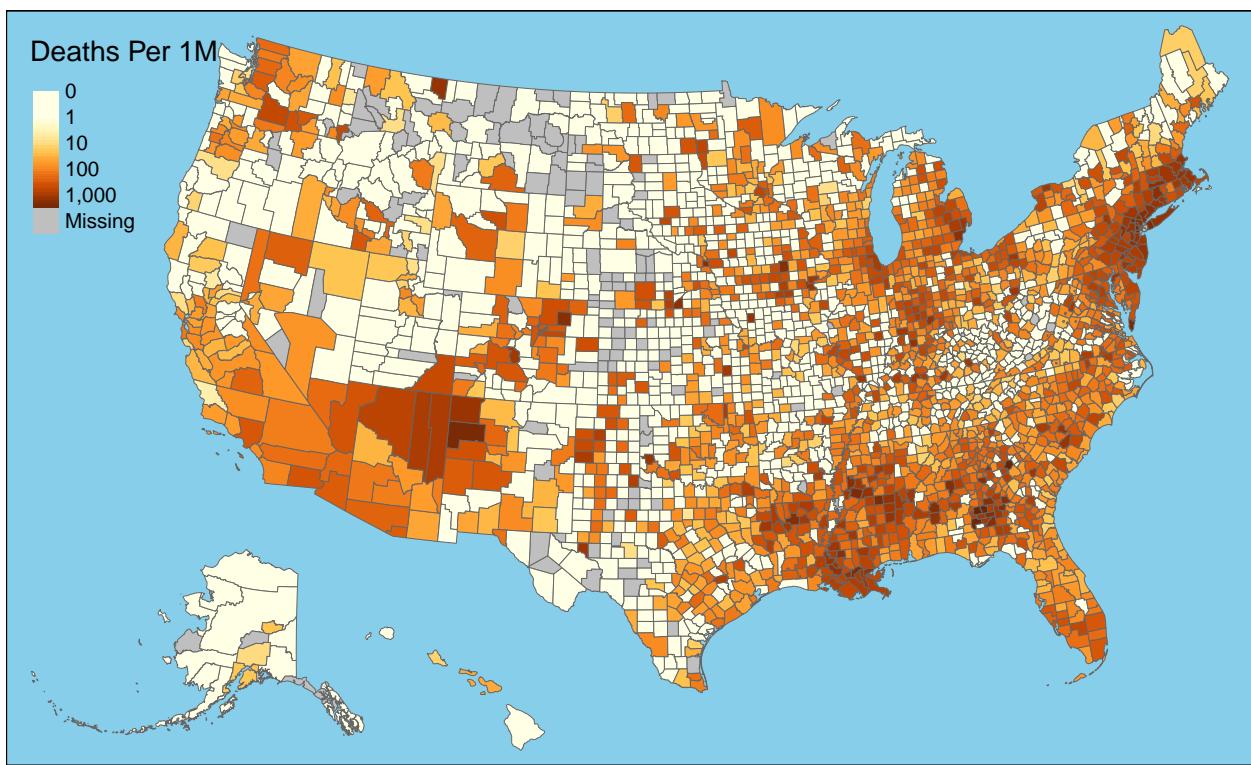


Daily Case Mortality Rate



One-Week Change in Daily Deaths

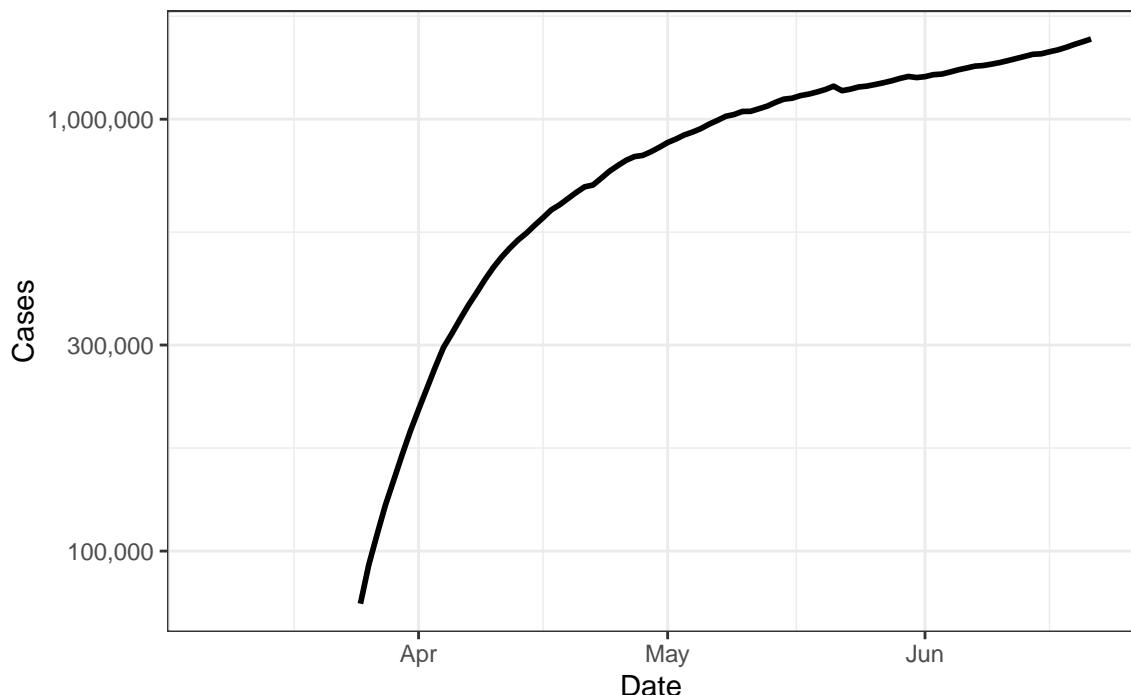




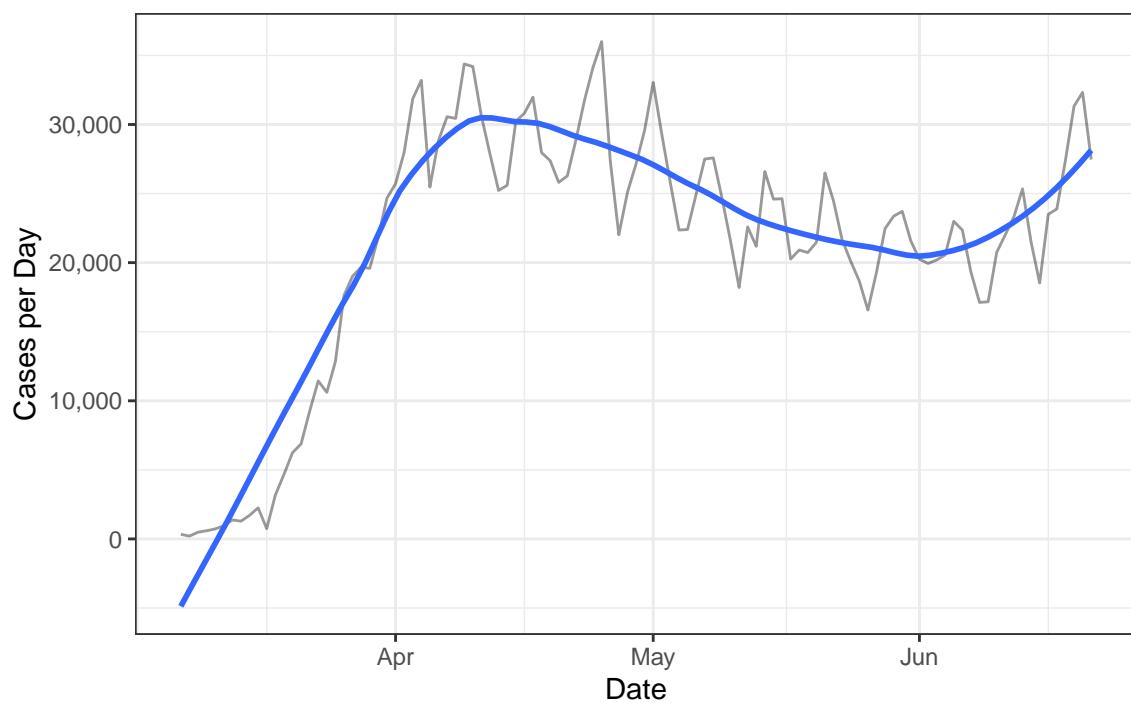
Cases

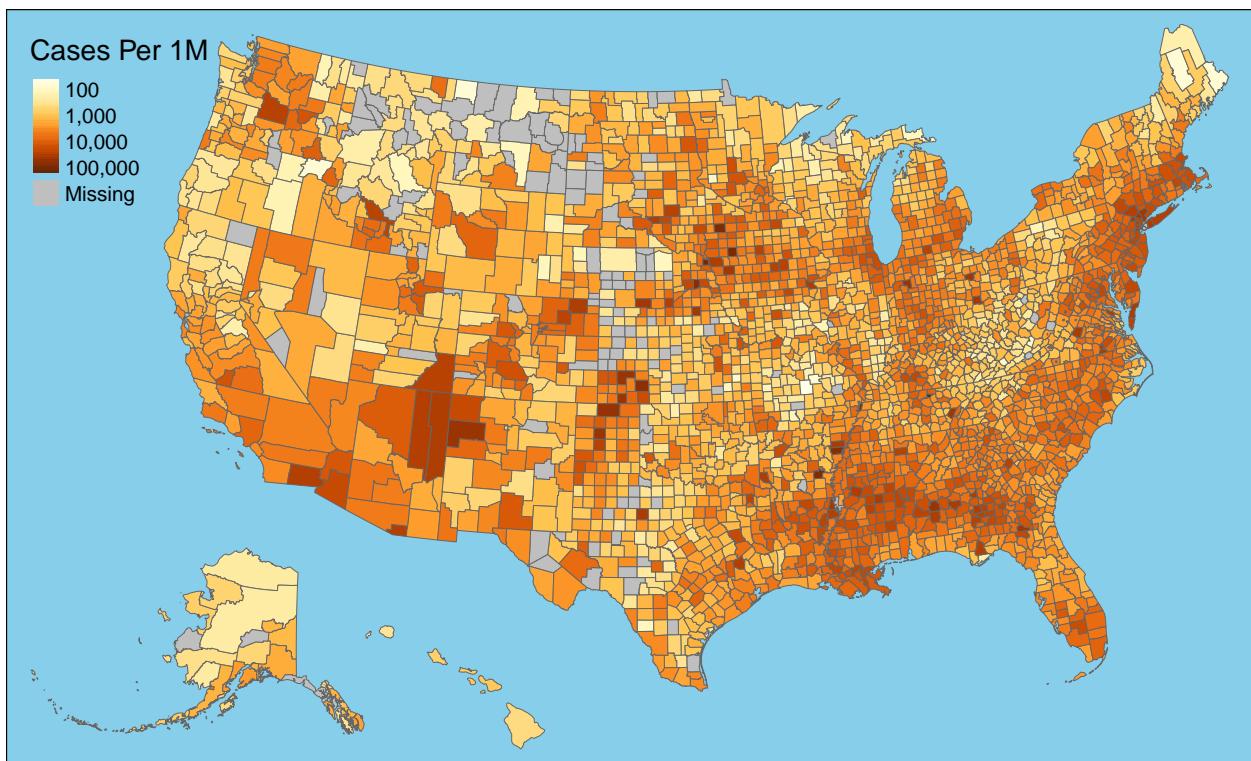
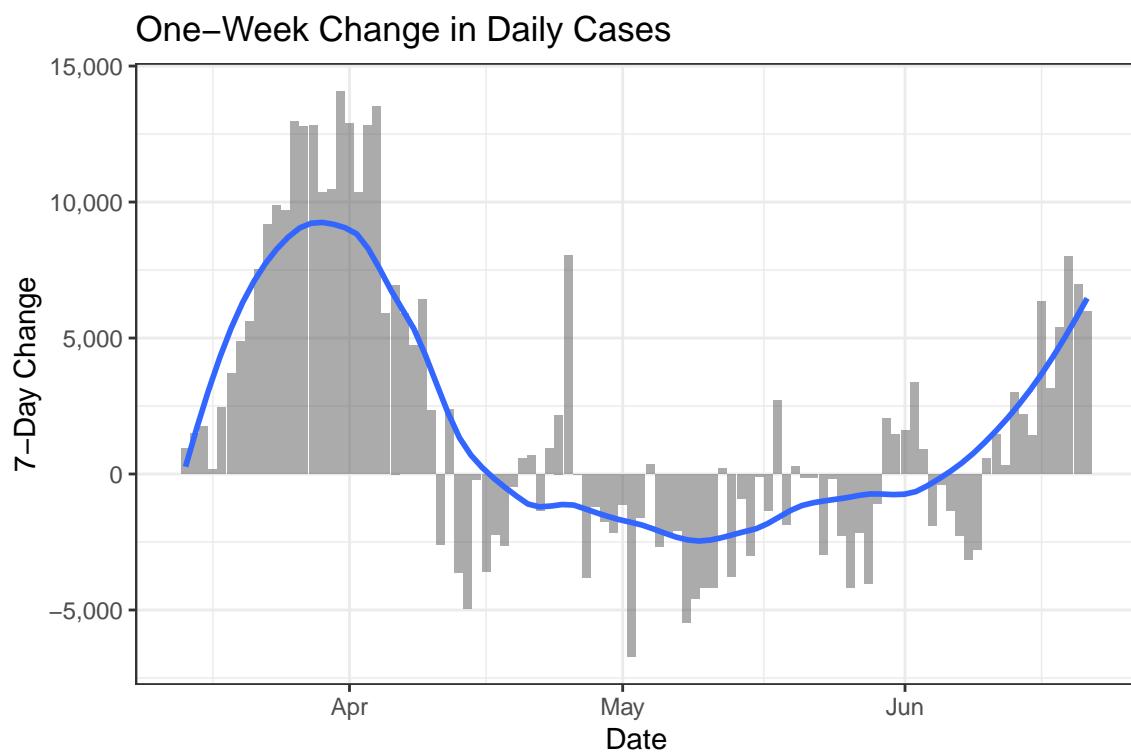
Reported cases are a function of both the spread of the disease and the prevalence of testing.

Active Cases



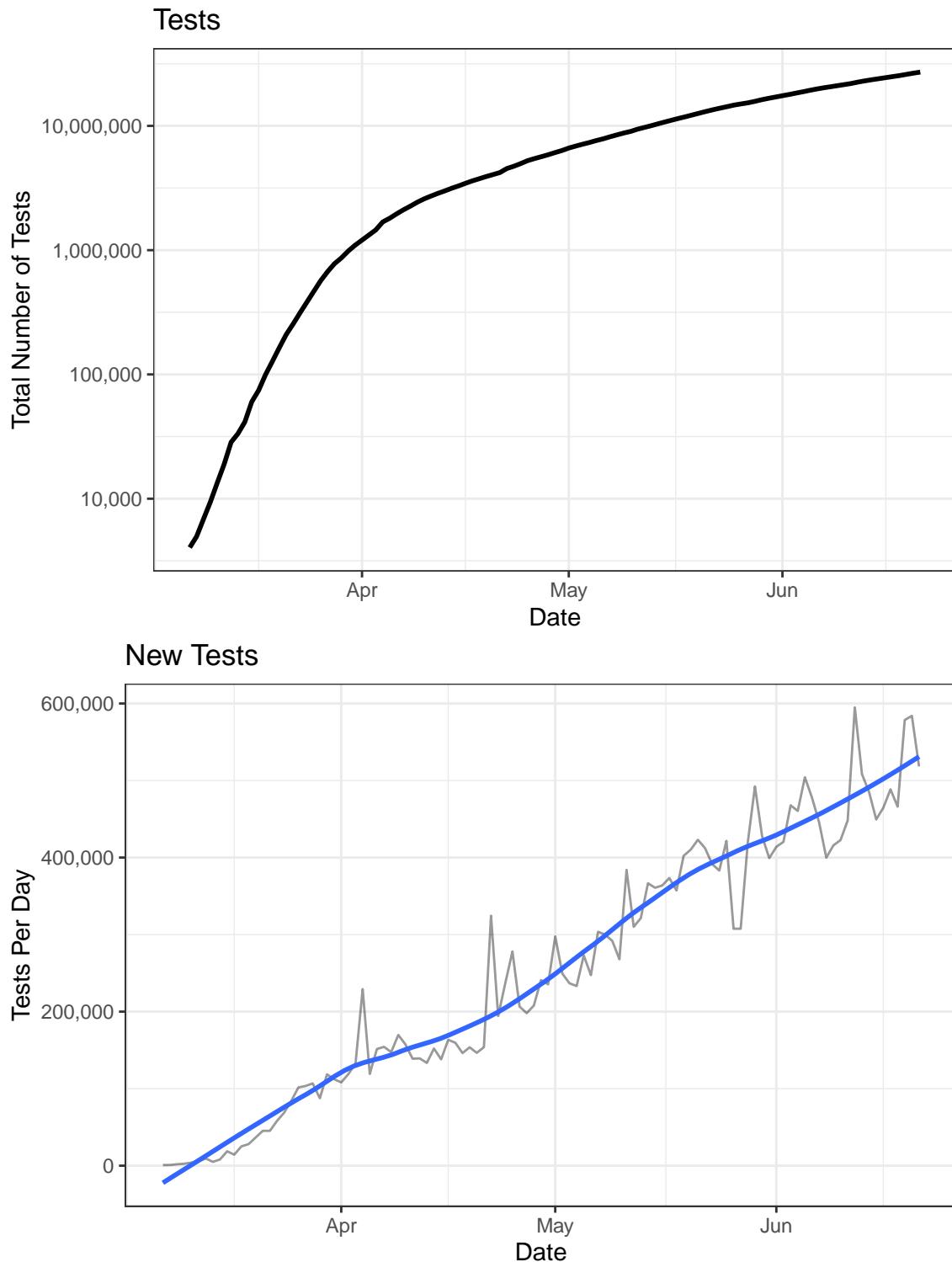
New Cases

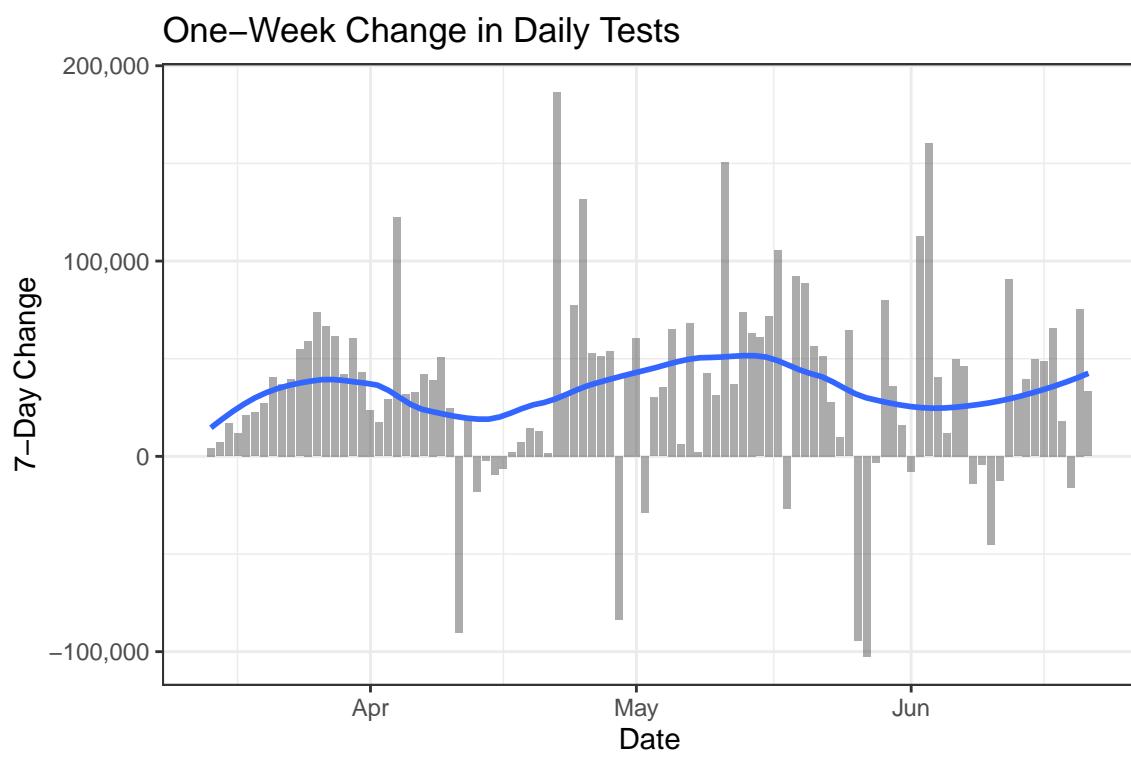
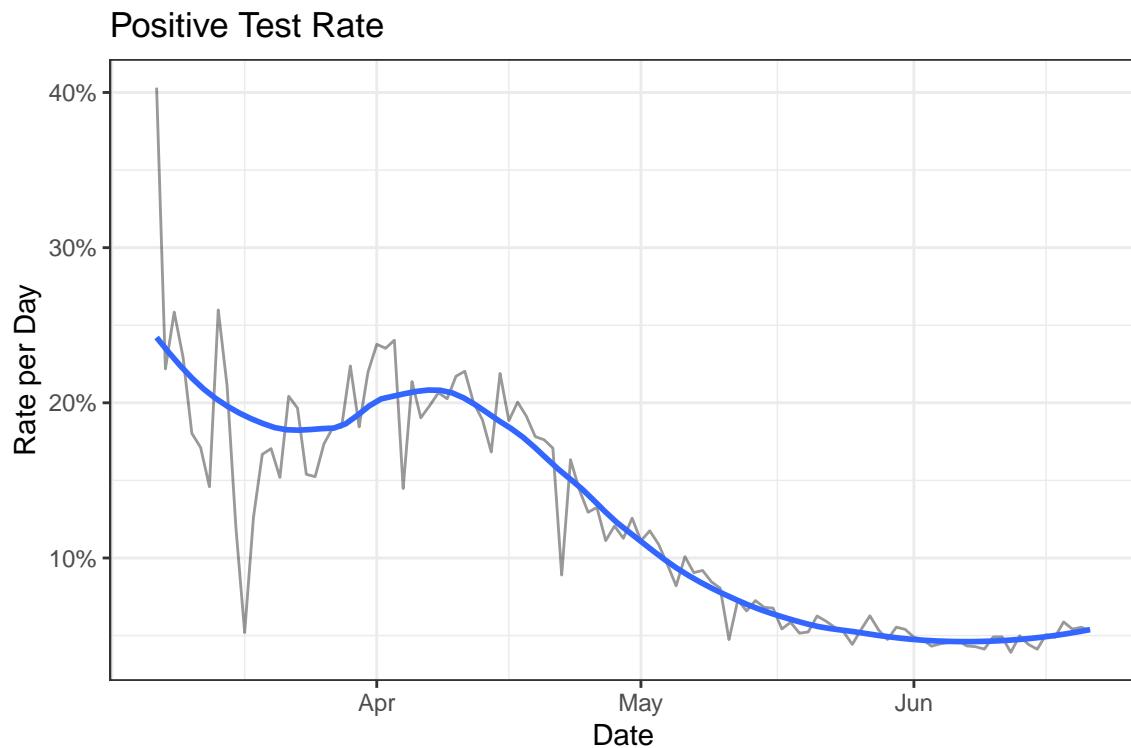




Testing

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.



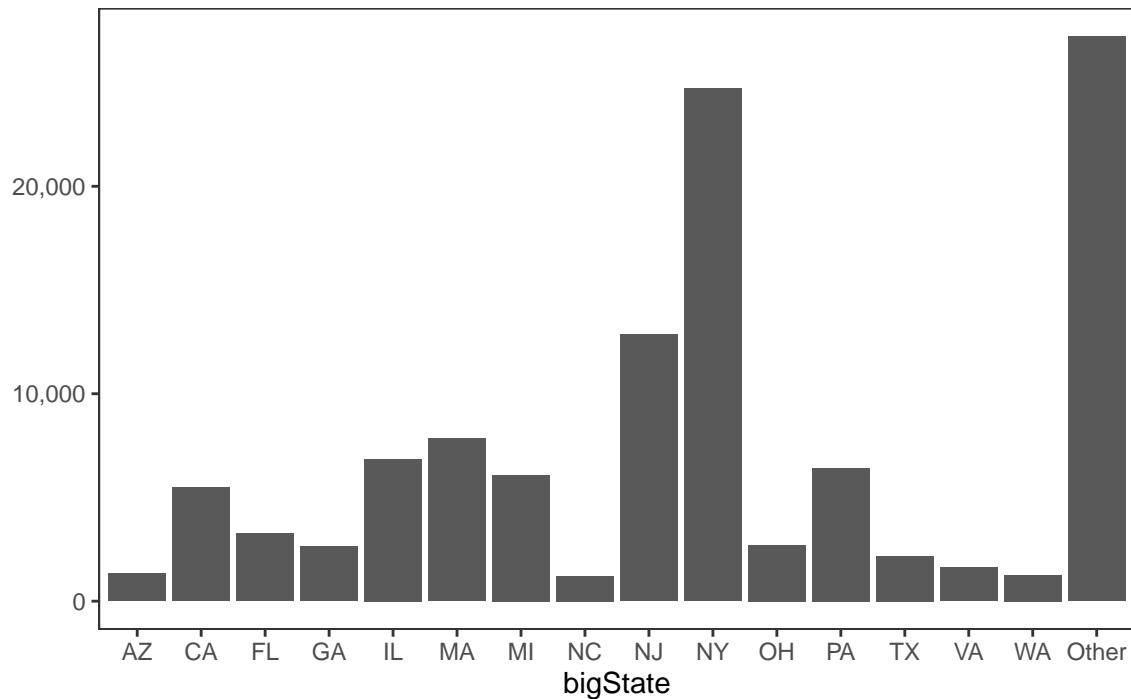


State Data

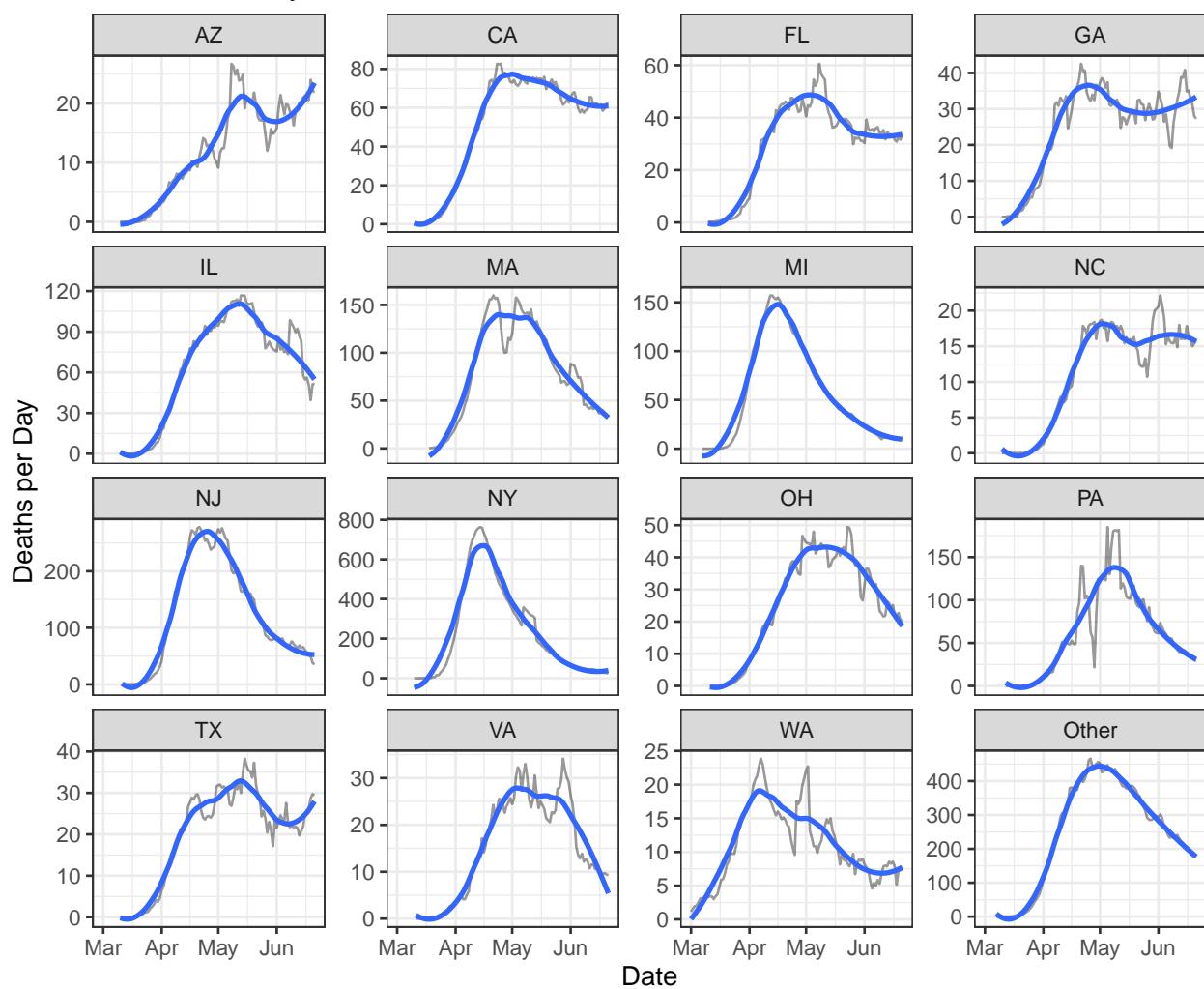
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

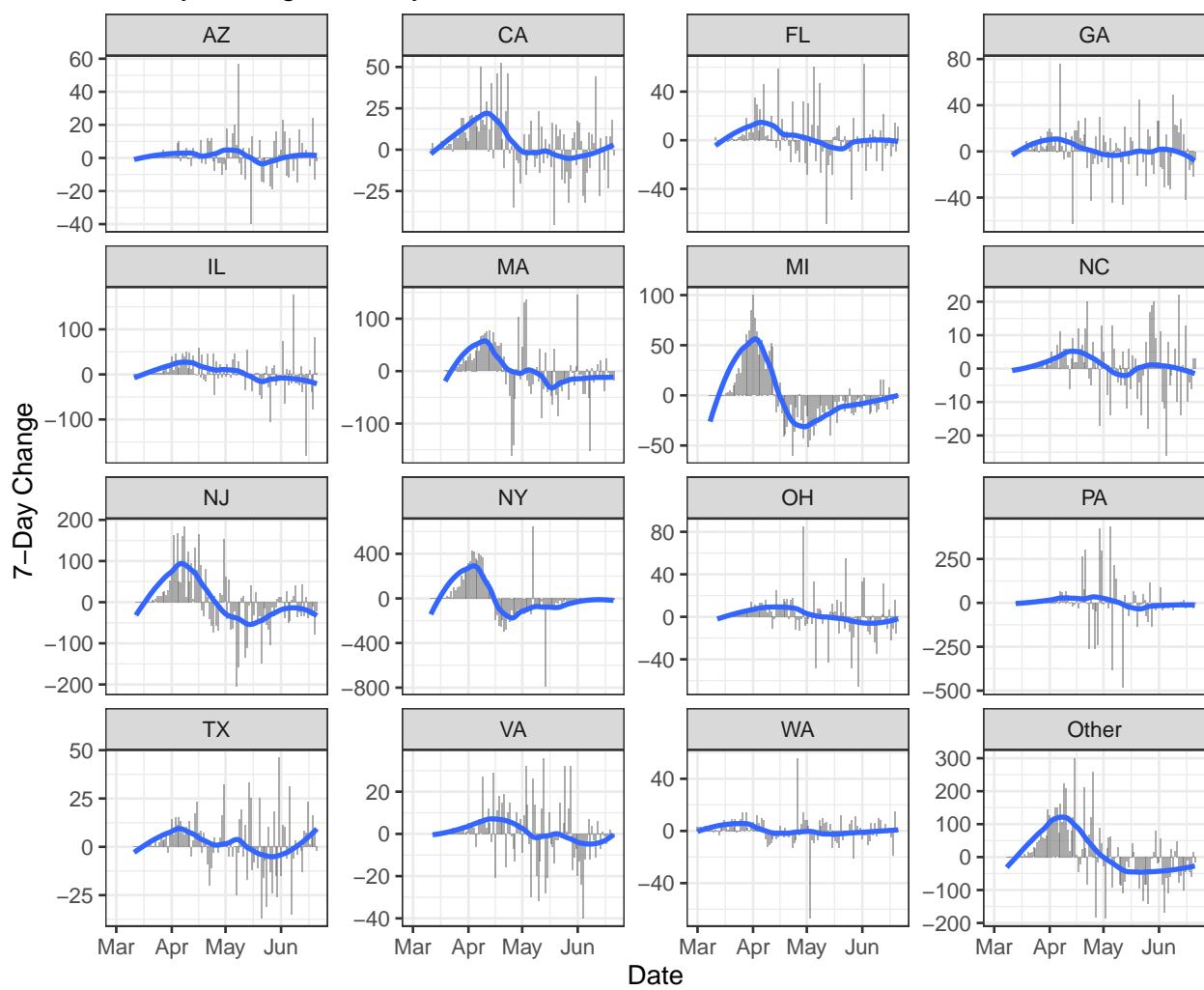
Deaths by State

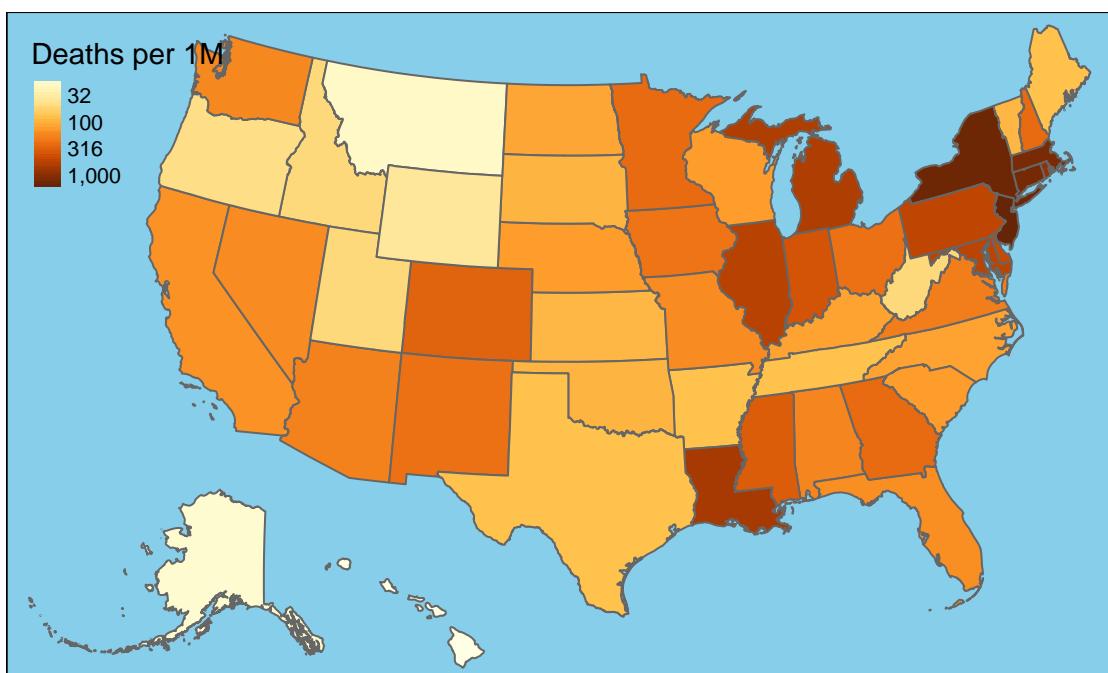
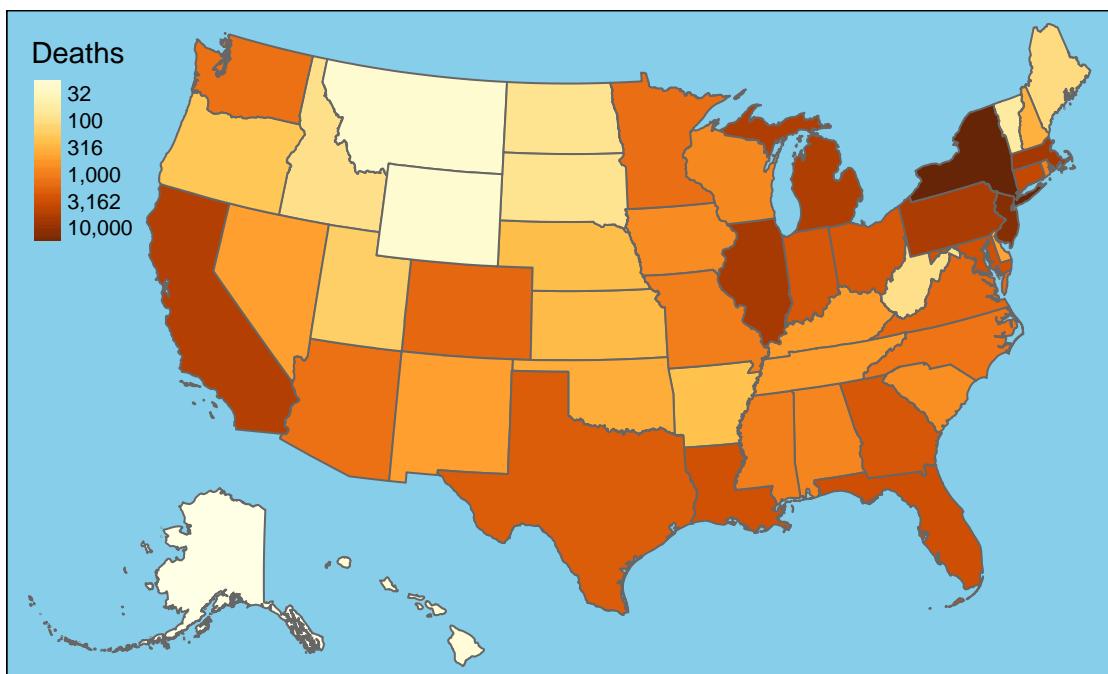


New Deaths by State



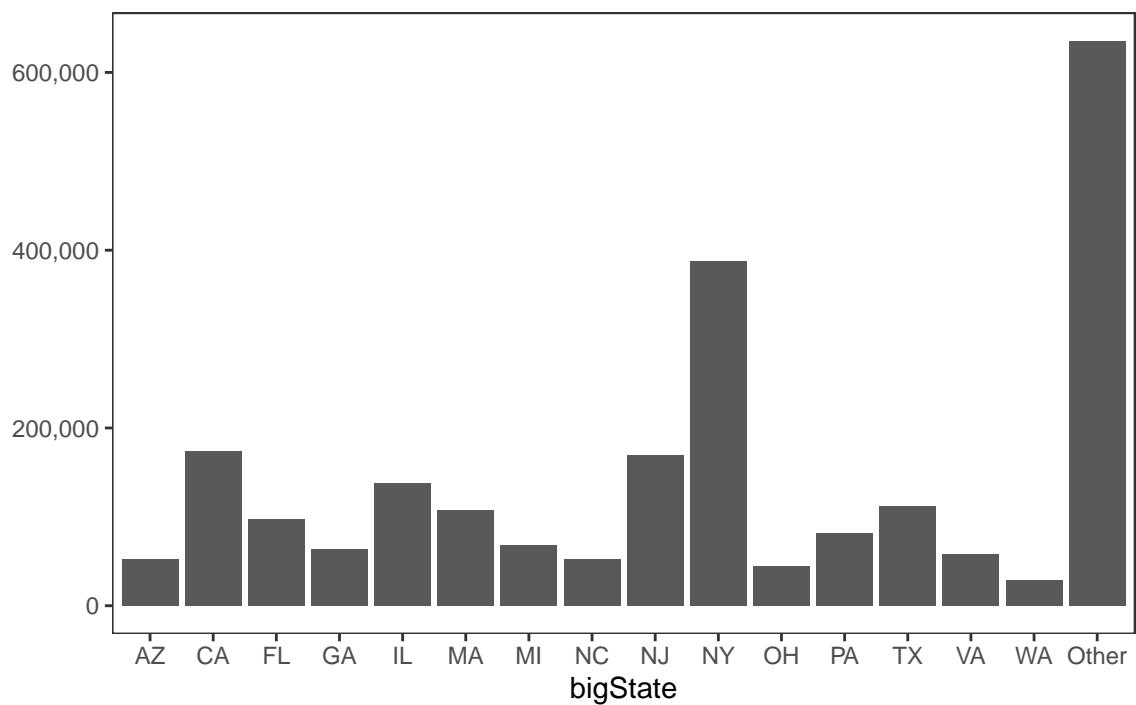
7-Day Change in Daily Deaths



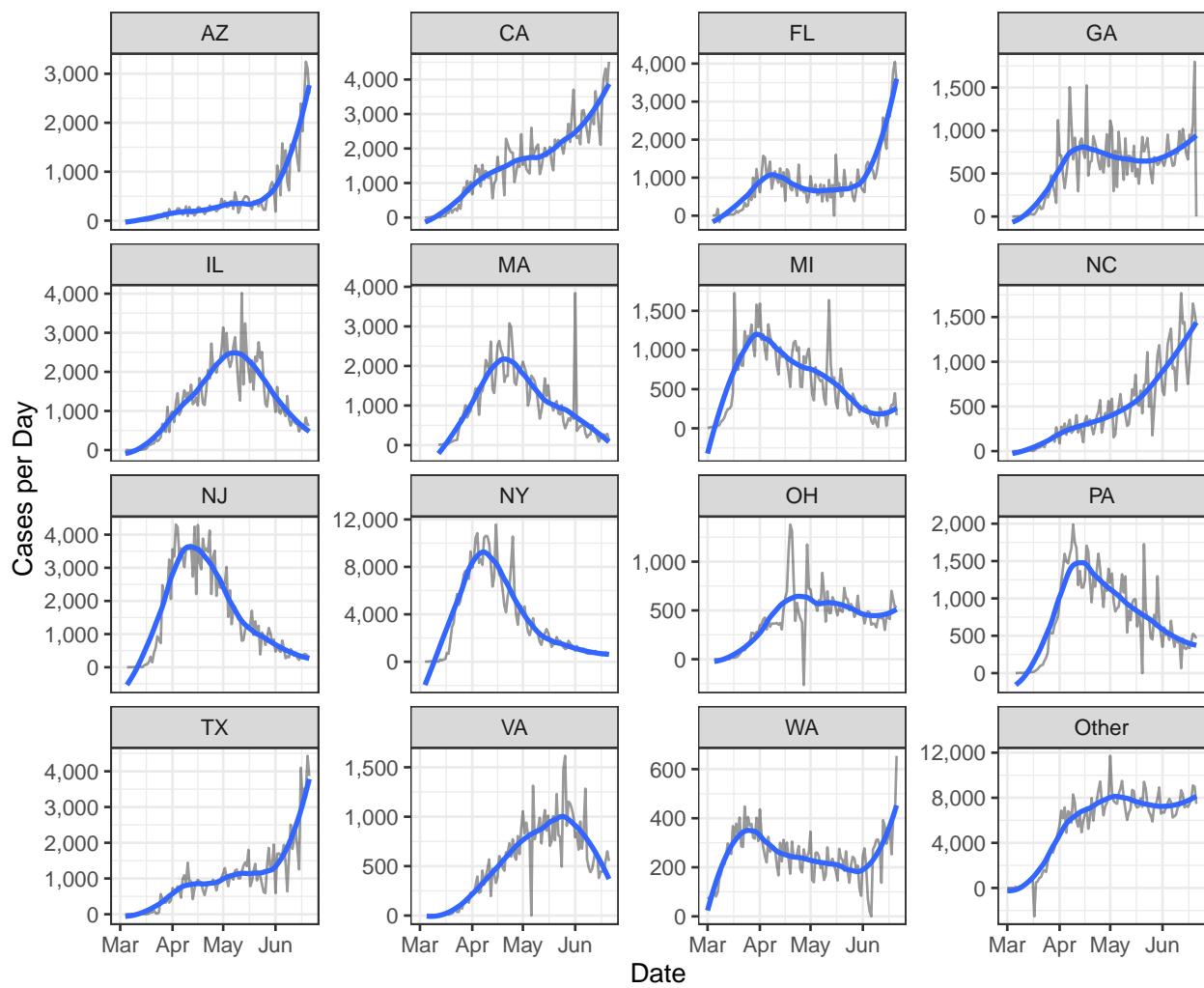


Cases

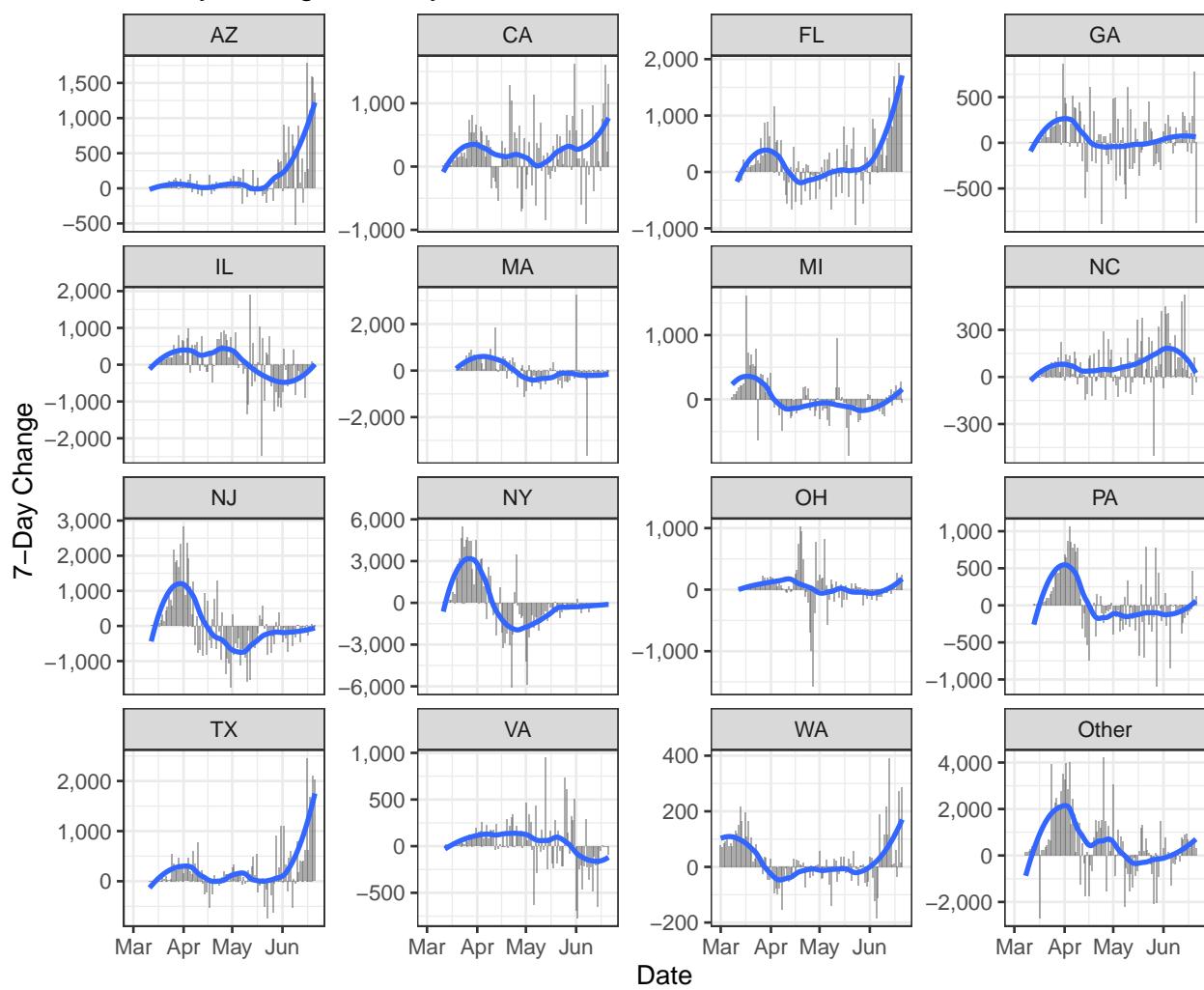
Cases by State

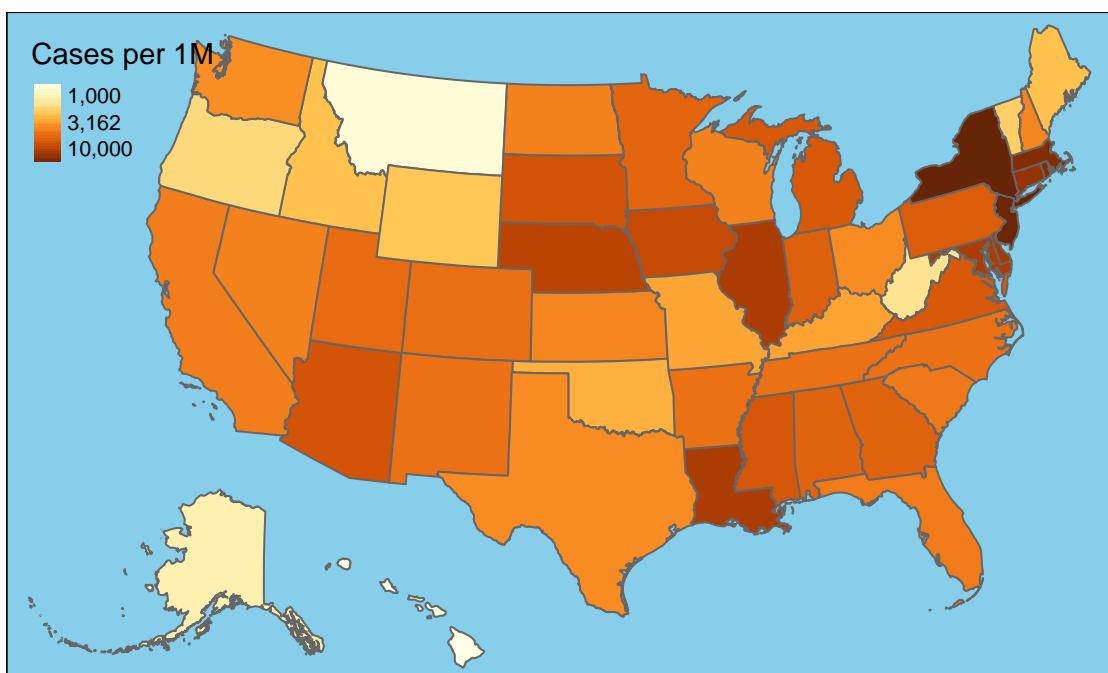
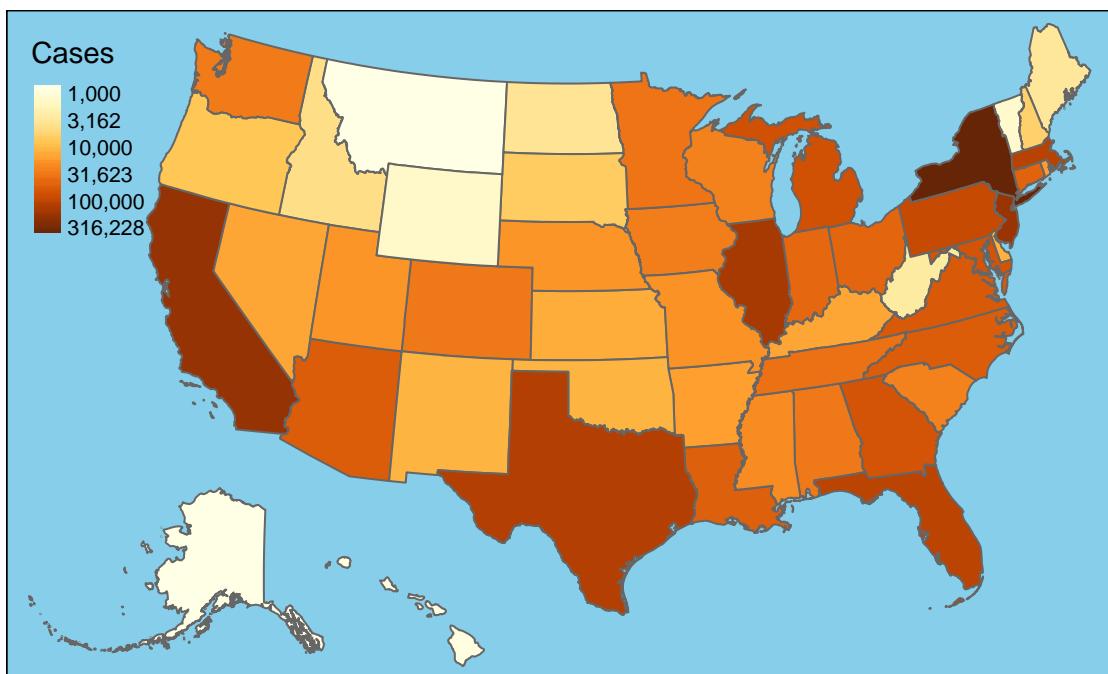


New Cases by State



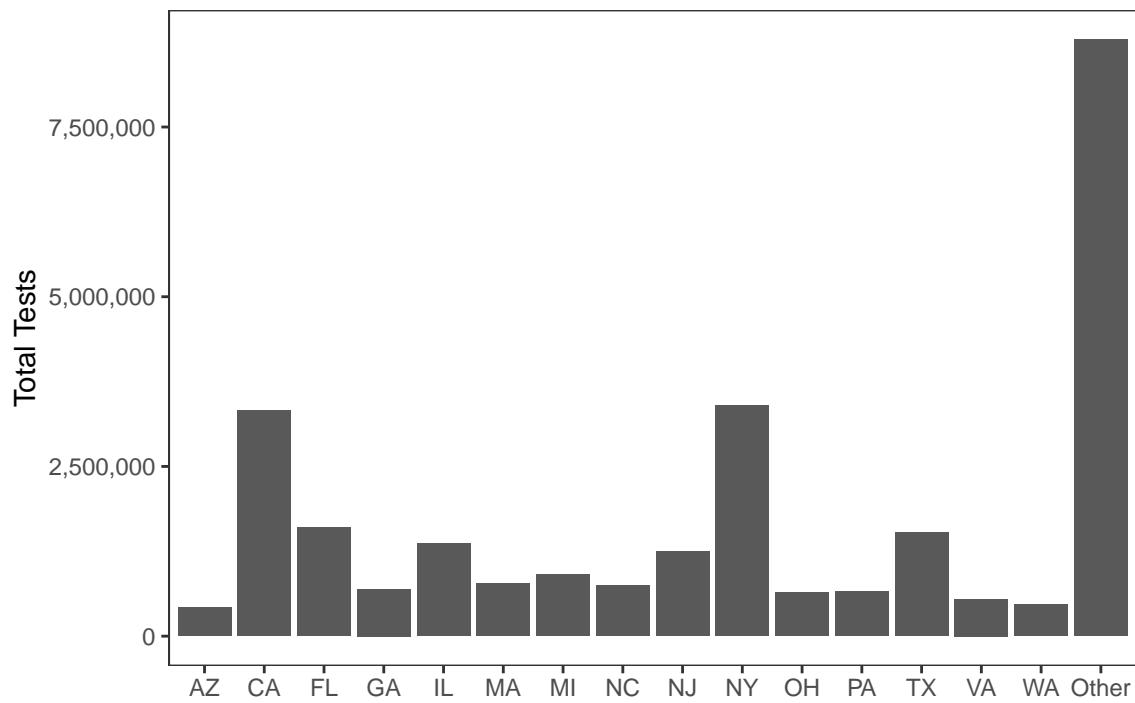
7-Day Change in Daily Cases



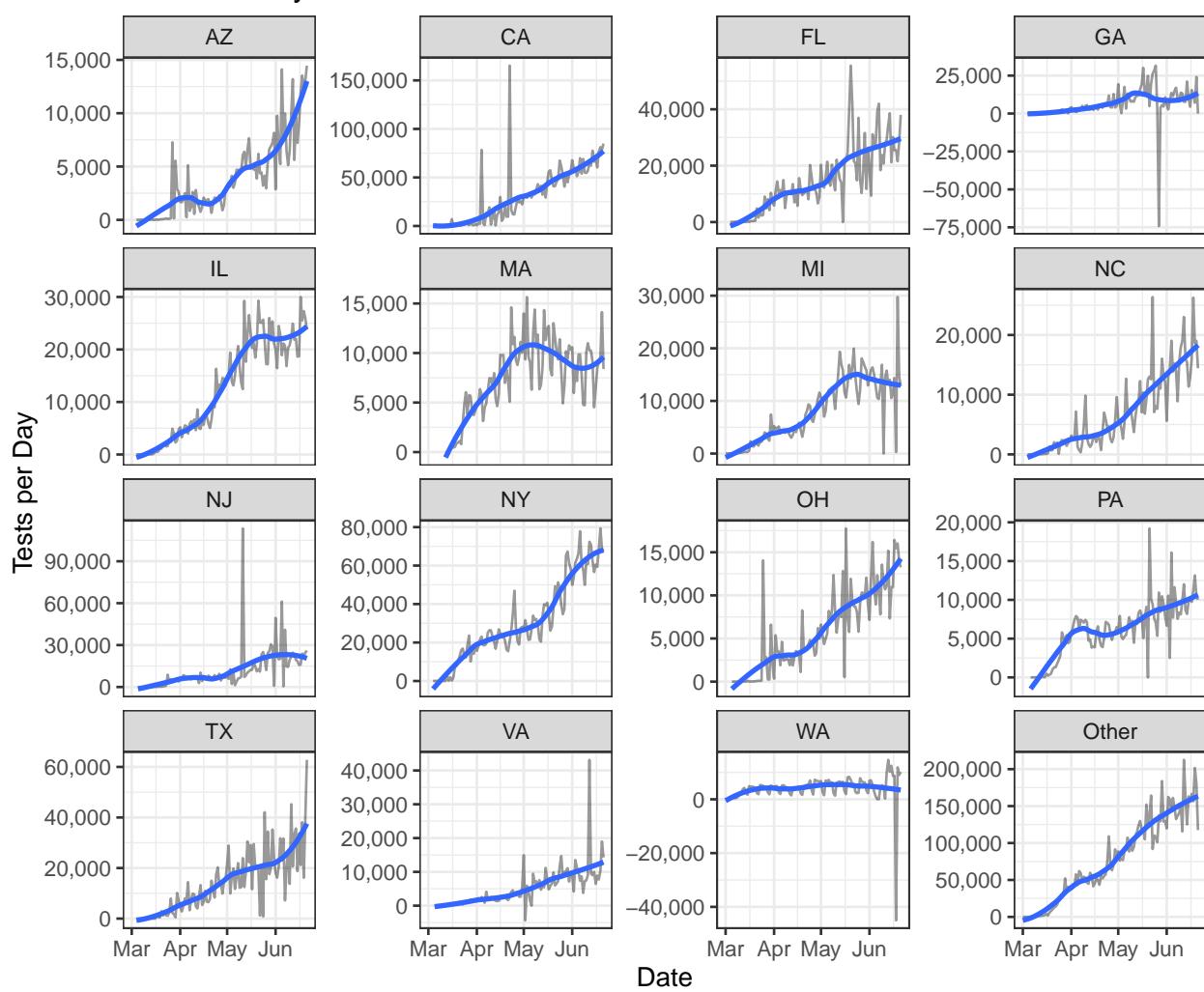


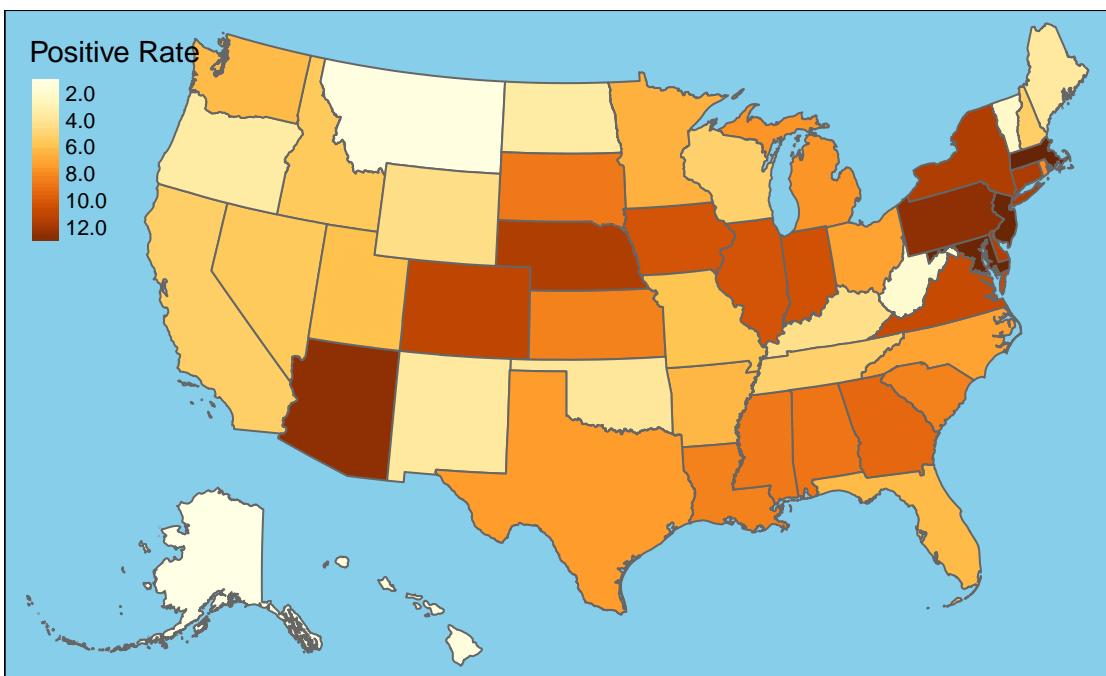
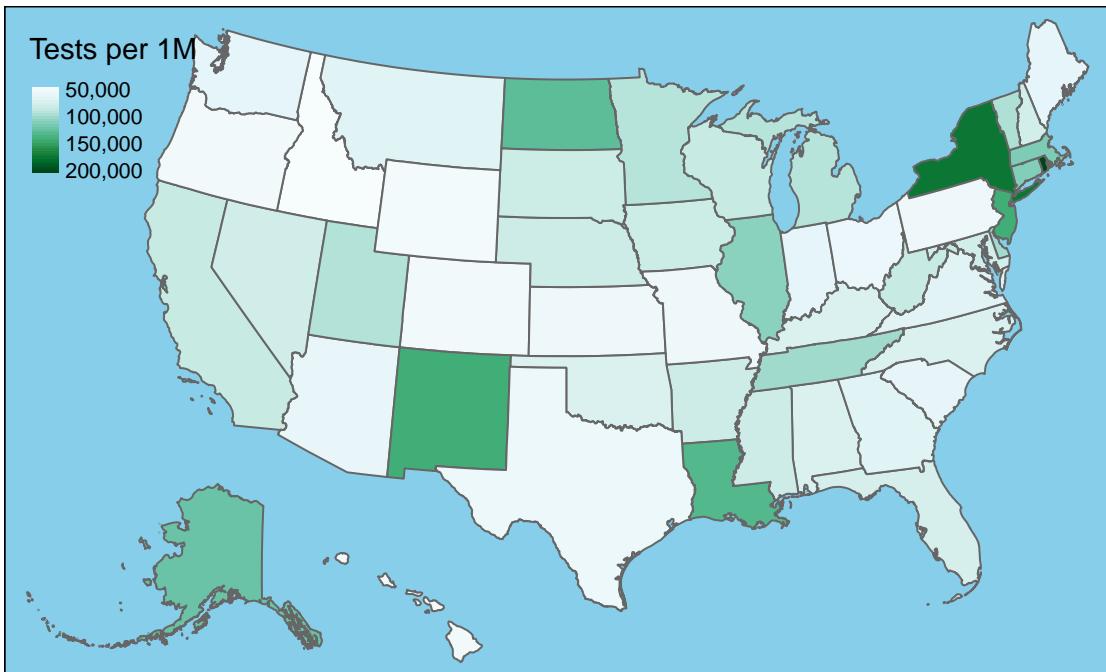
Testing

Tests by State



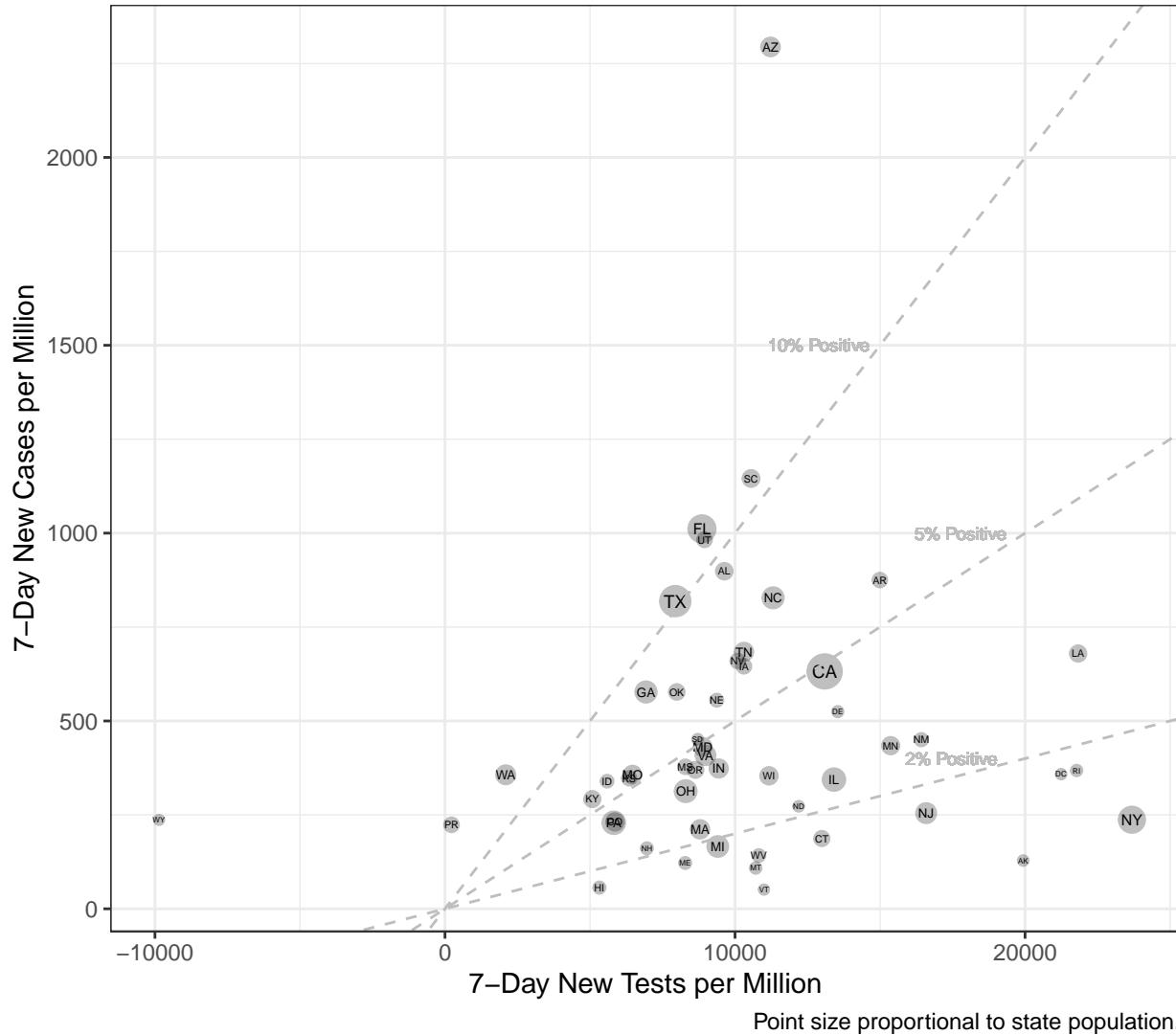
New Tests by State





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



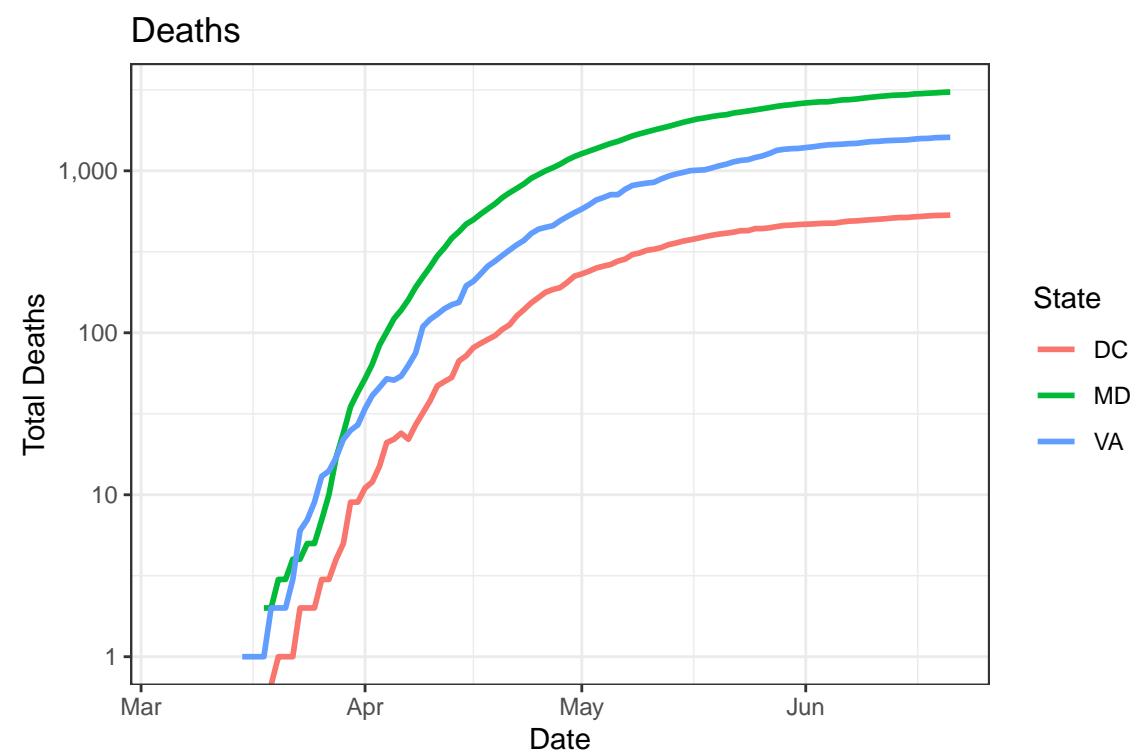
Local Data

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

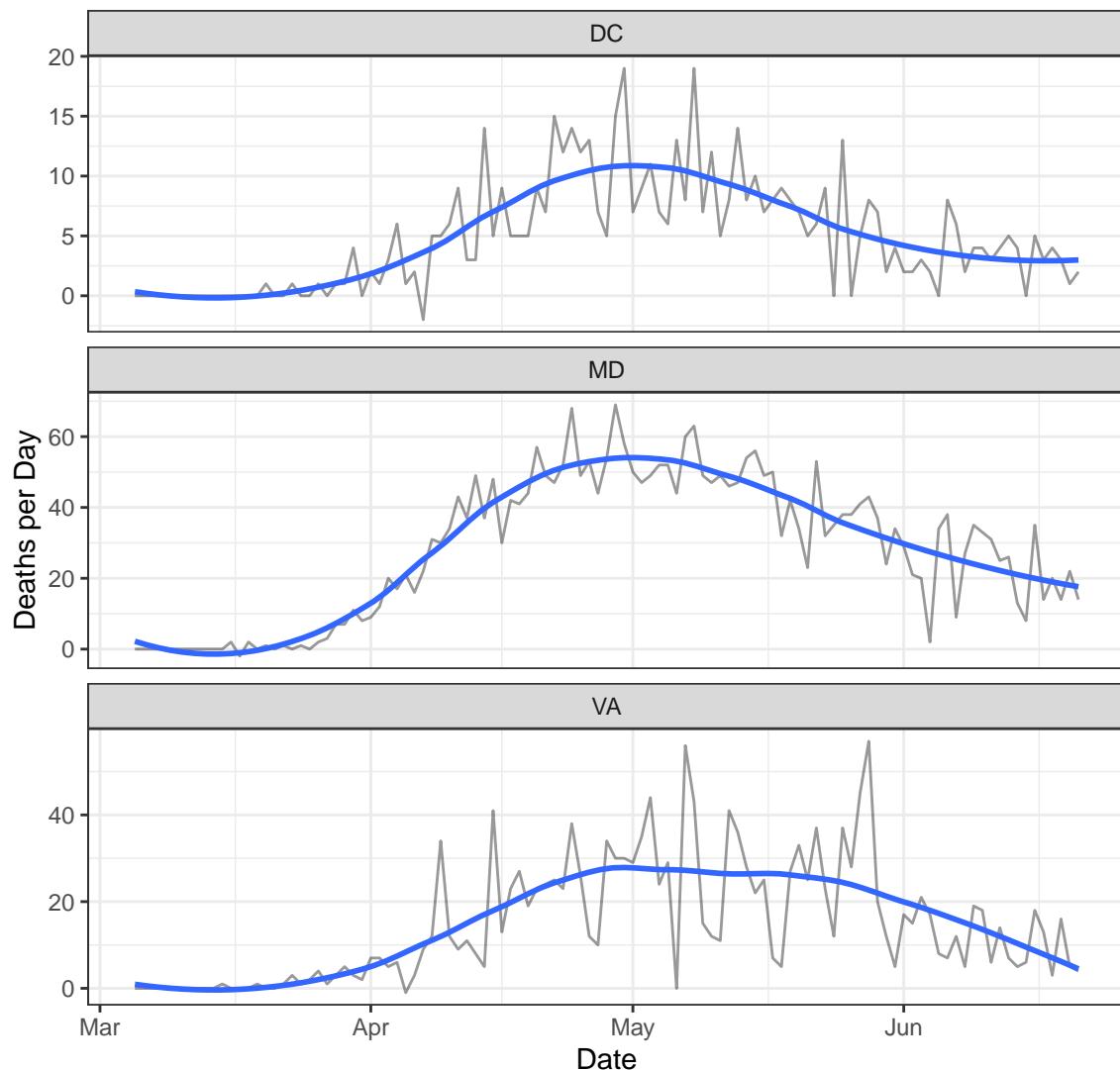
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,020	533	36	2
MD	64,306	3,066	350	14
VA	57,994	1,611	551	4

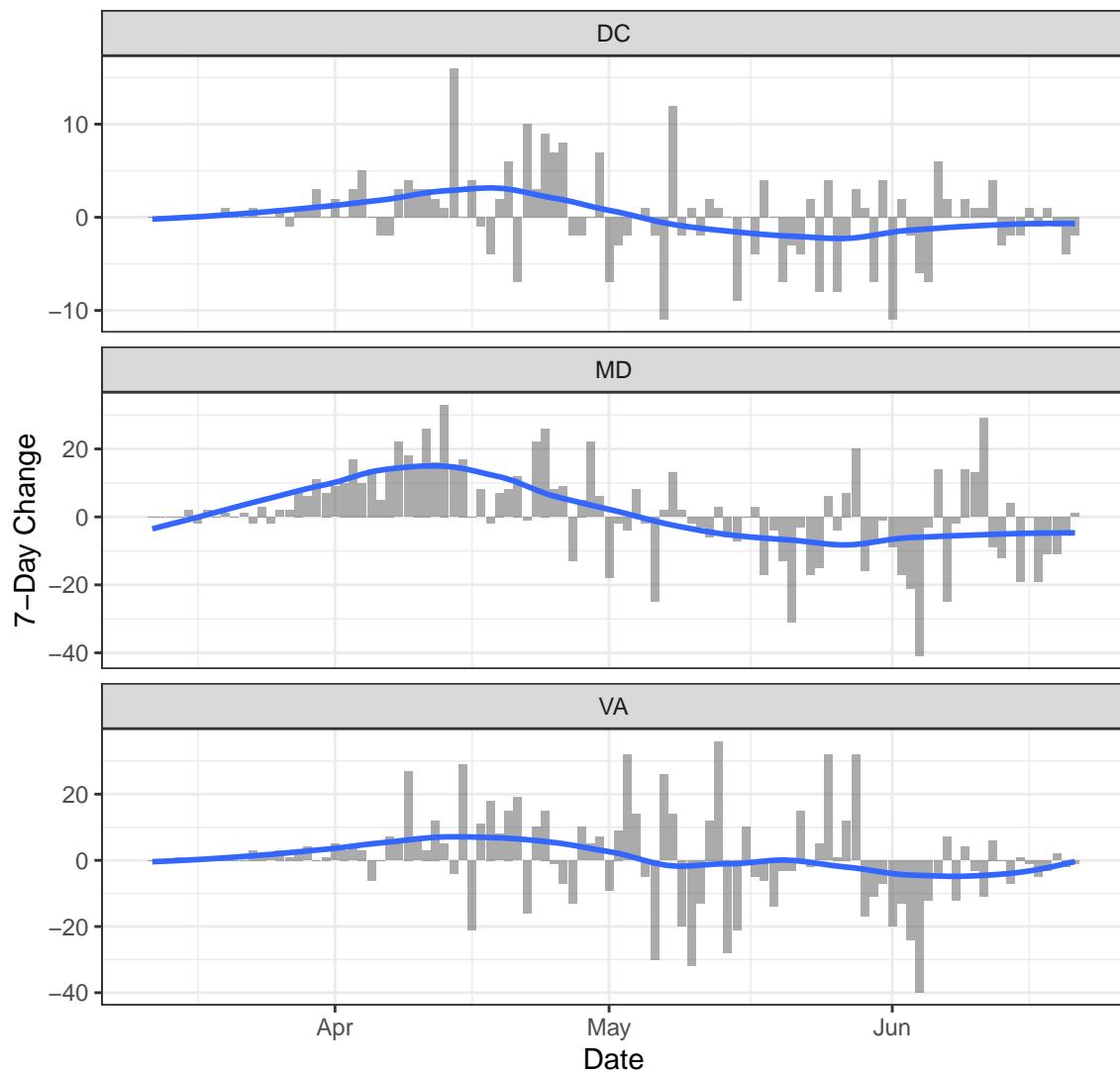
Deaths

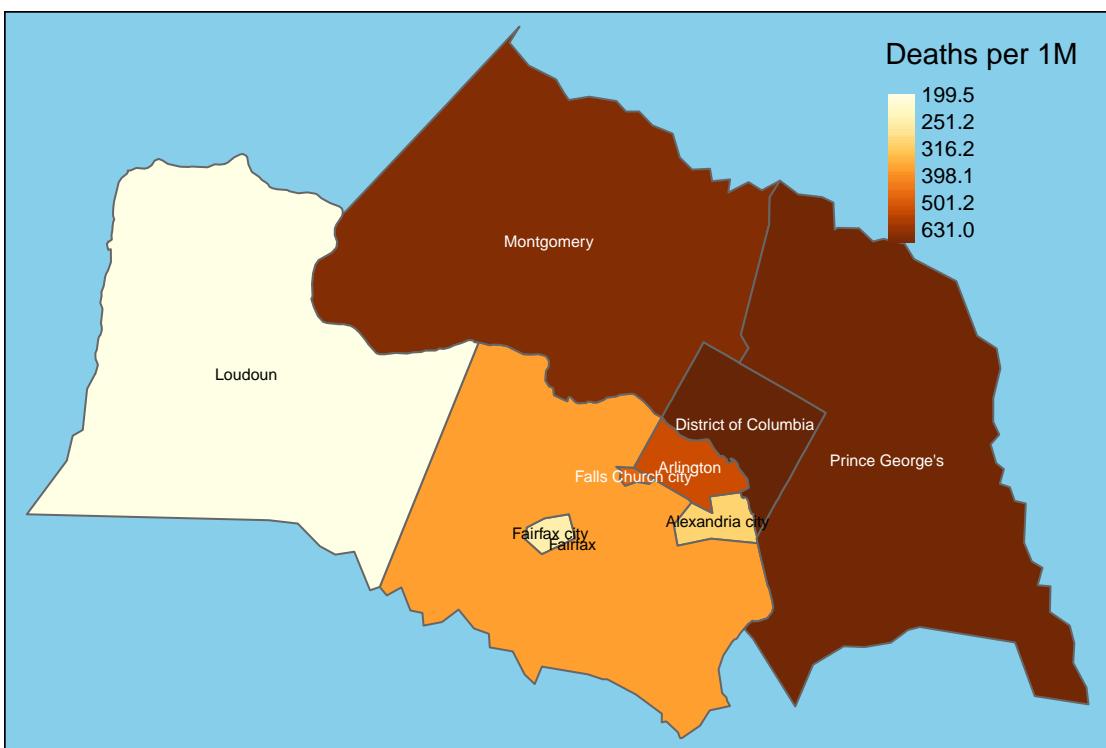
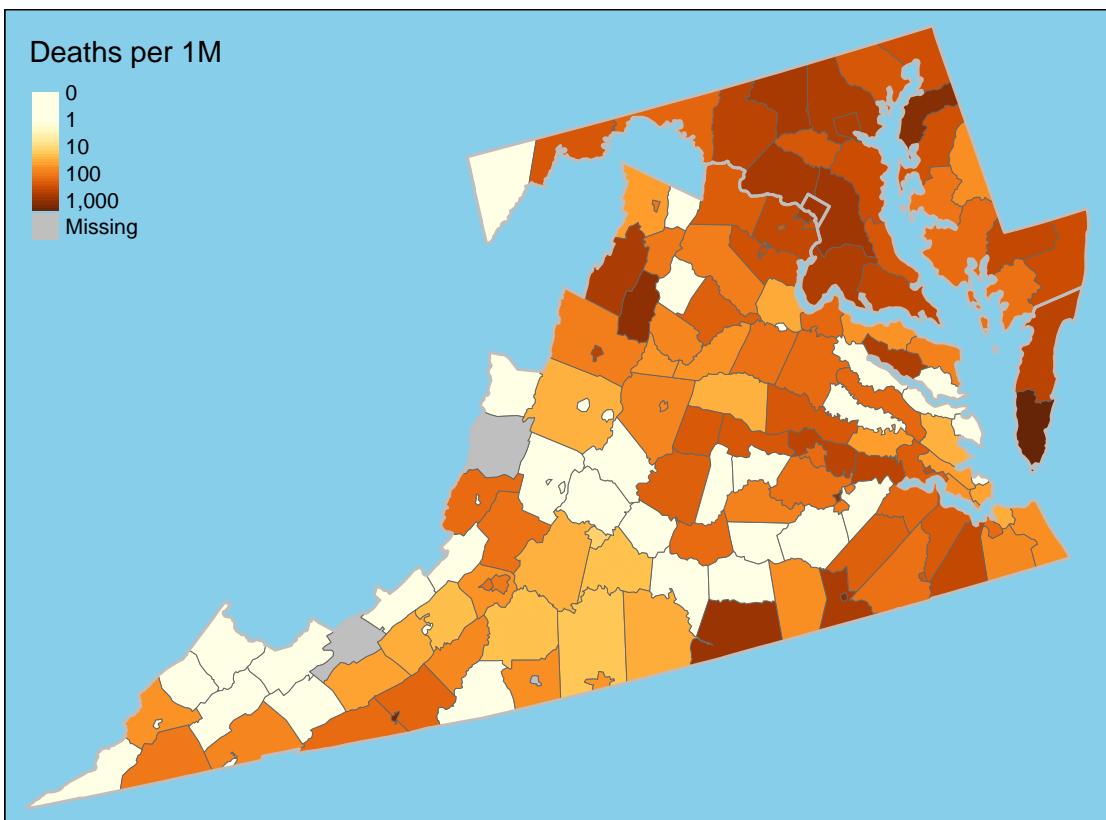


New Deaths

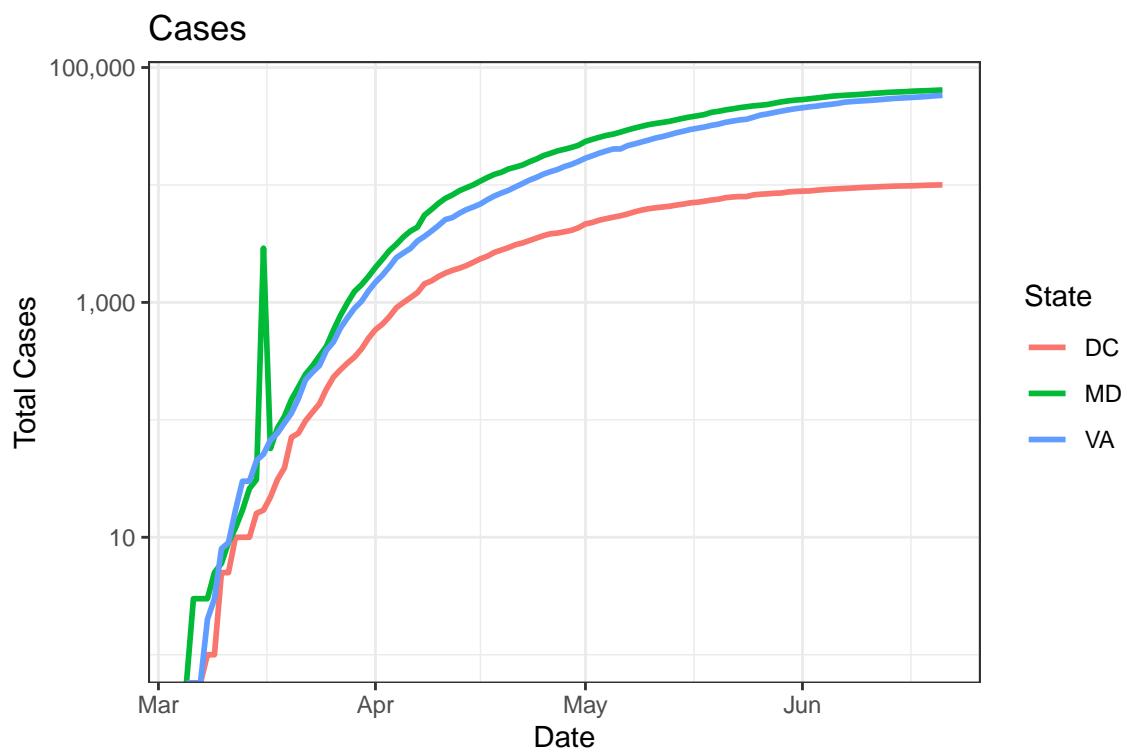


One-Week Change in Daily Deaths

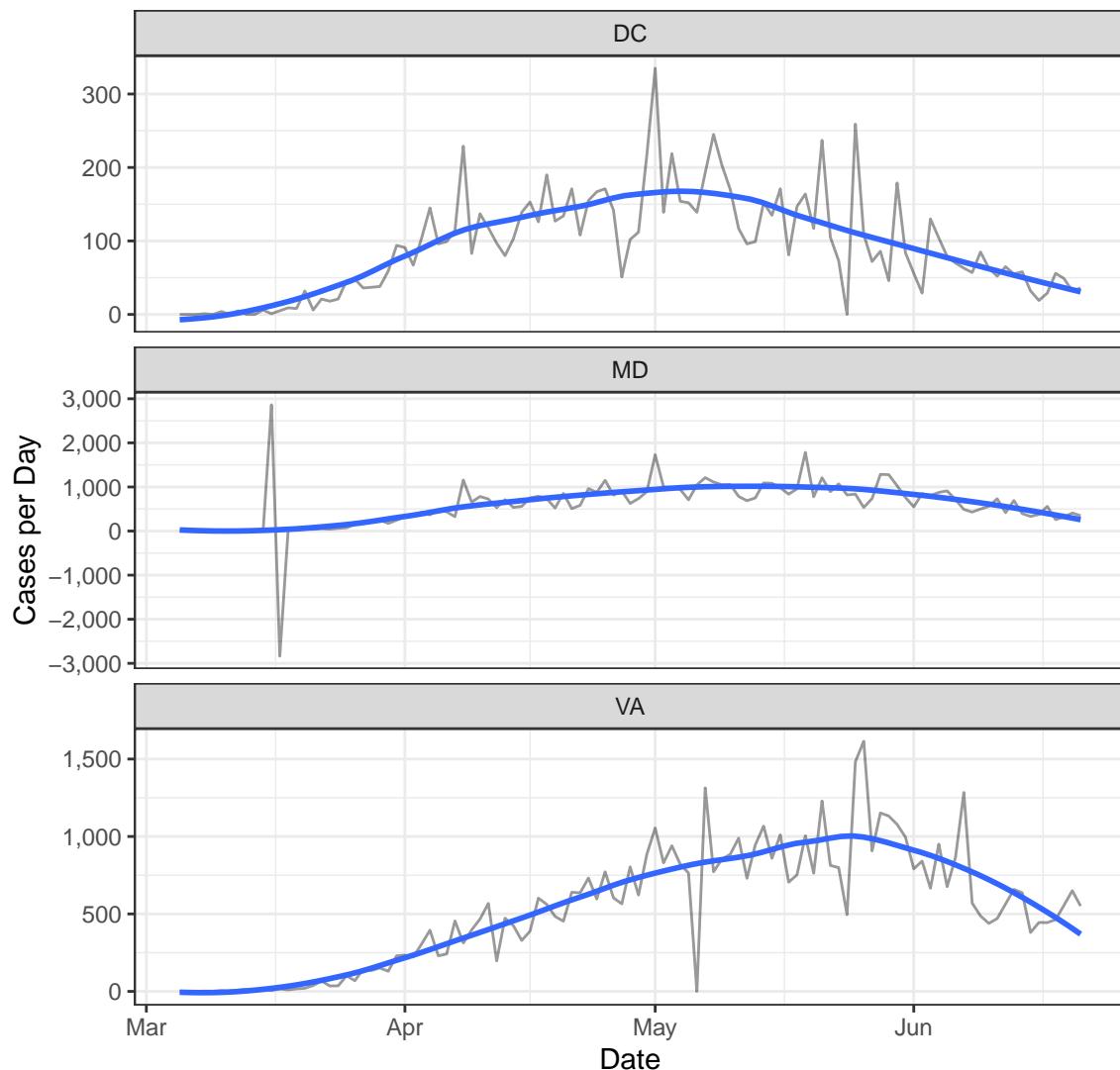




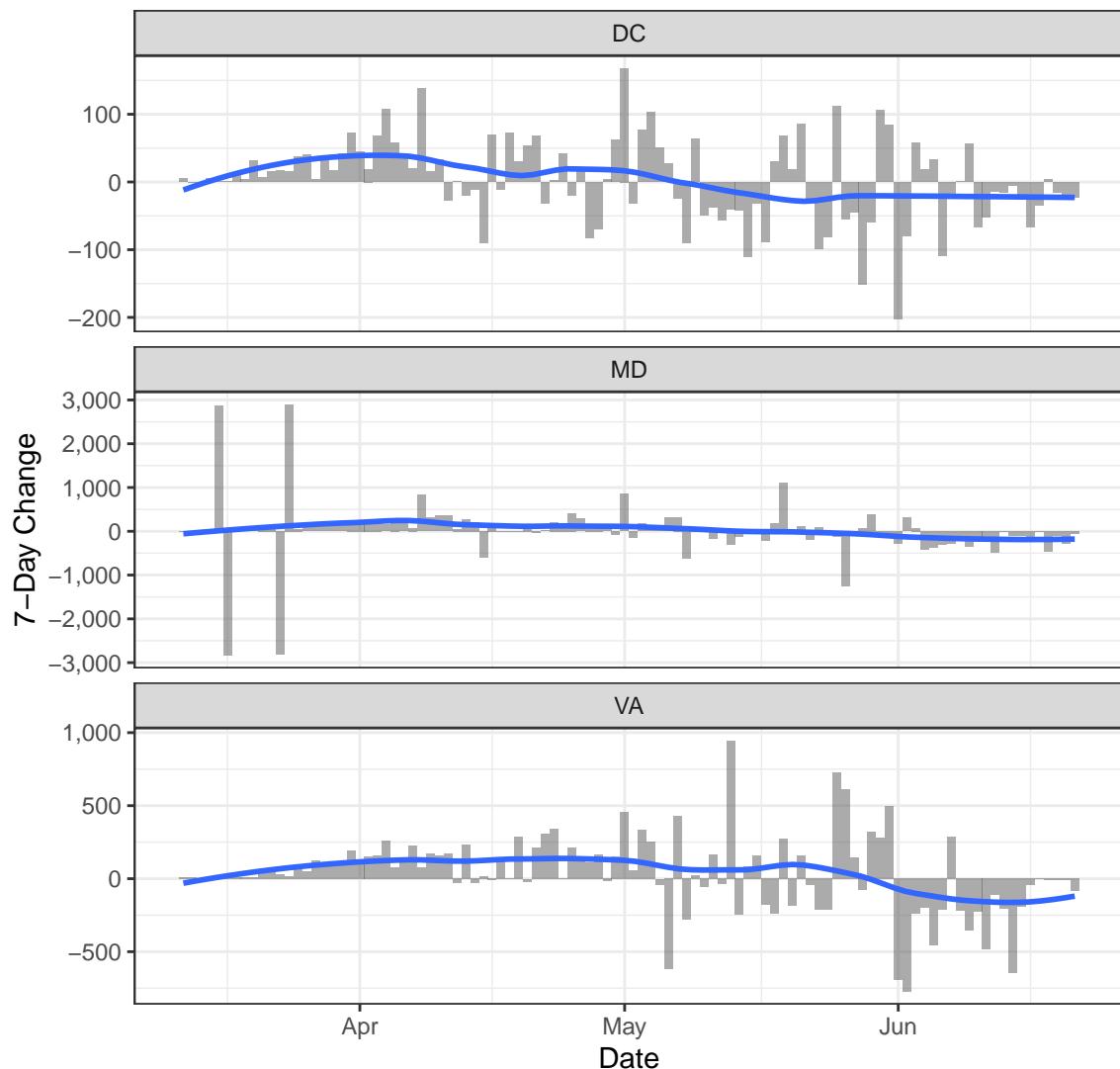
Cases

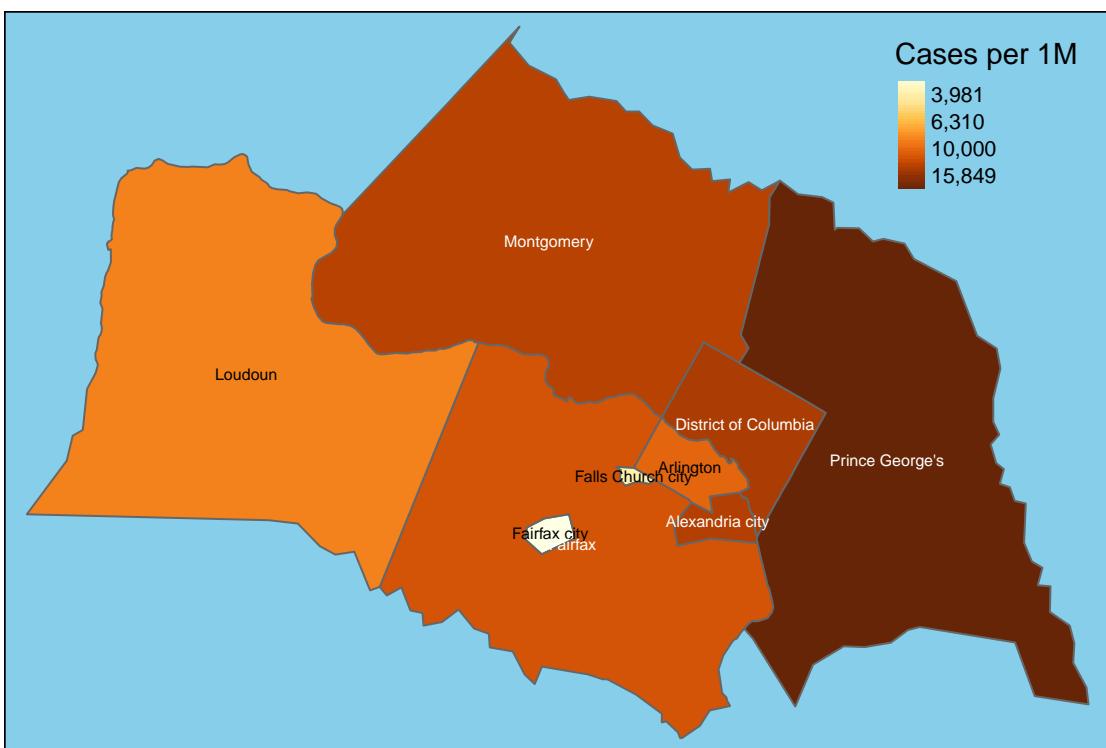
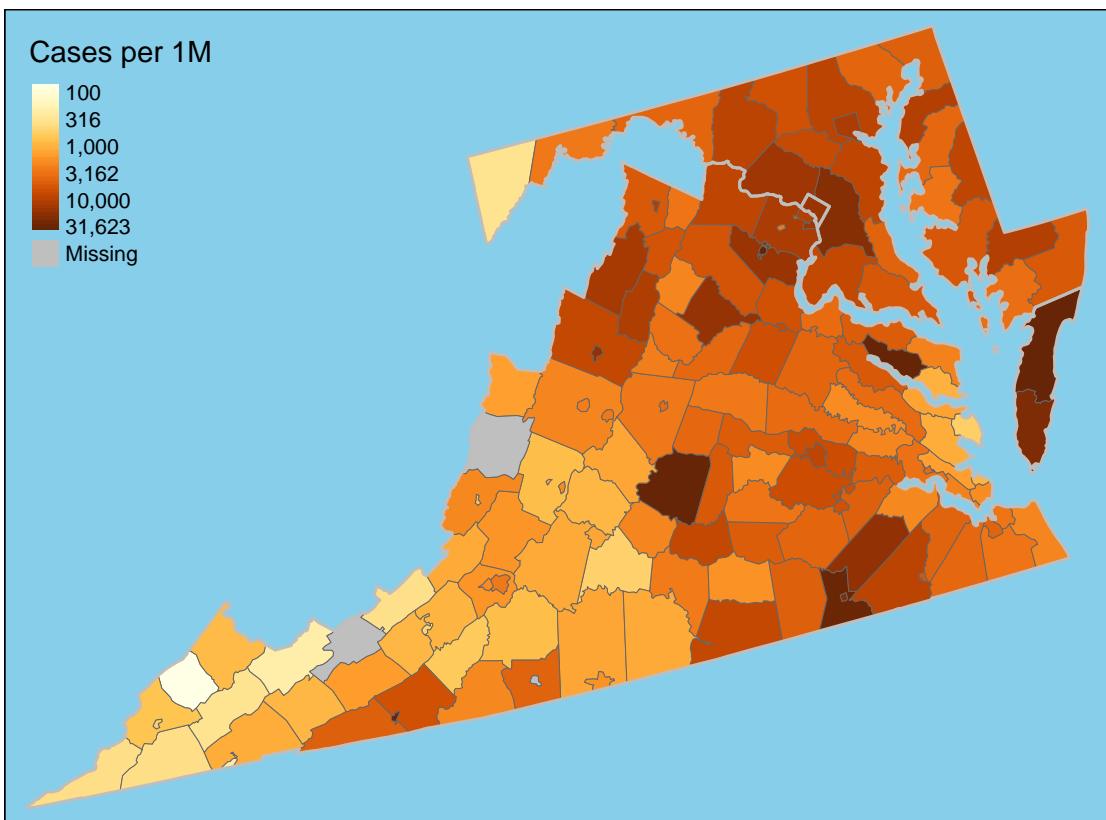


New Cases

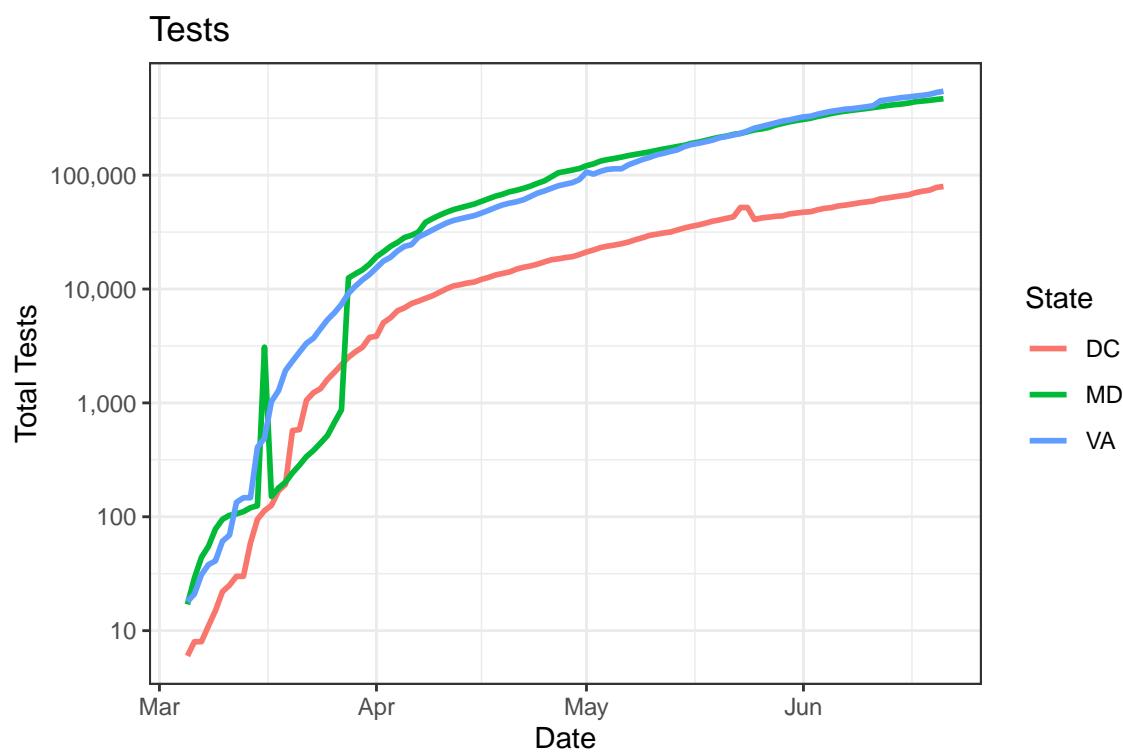


One-Week Change in Daily Cases

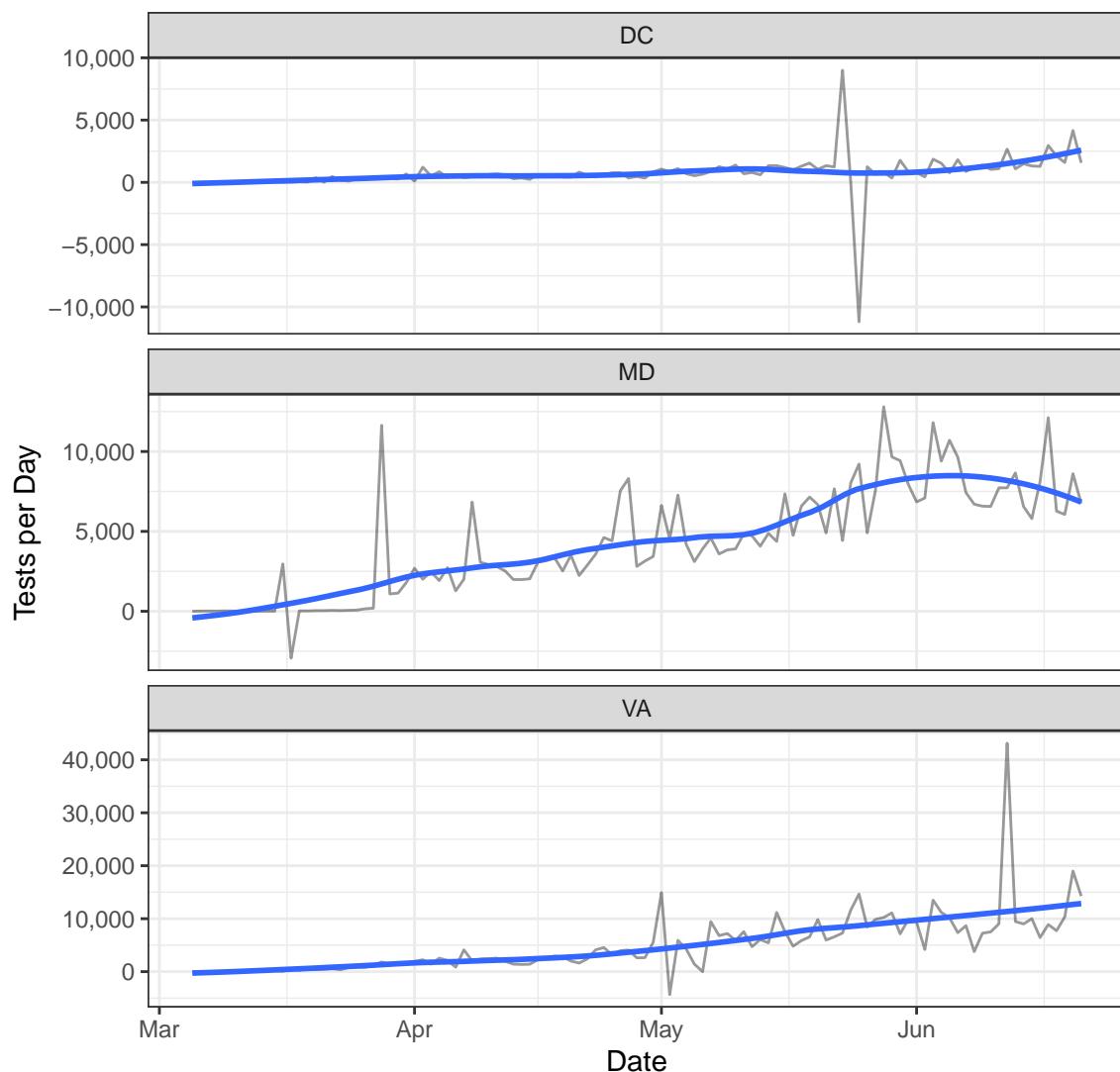




Testing



New Tests



Positive Test Rate

