

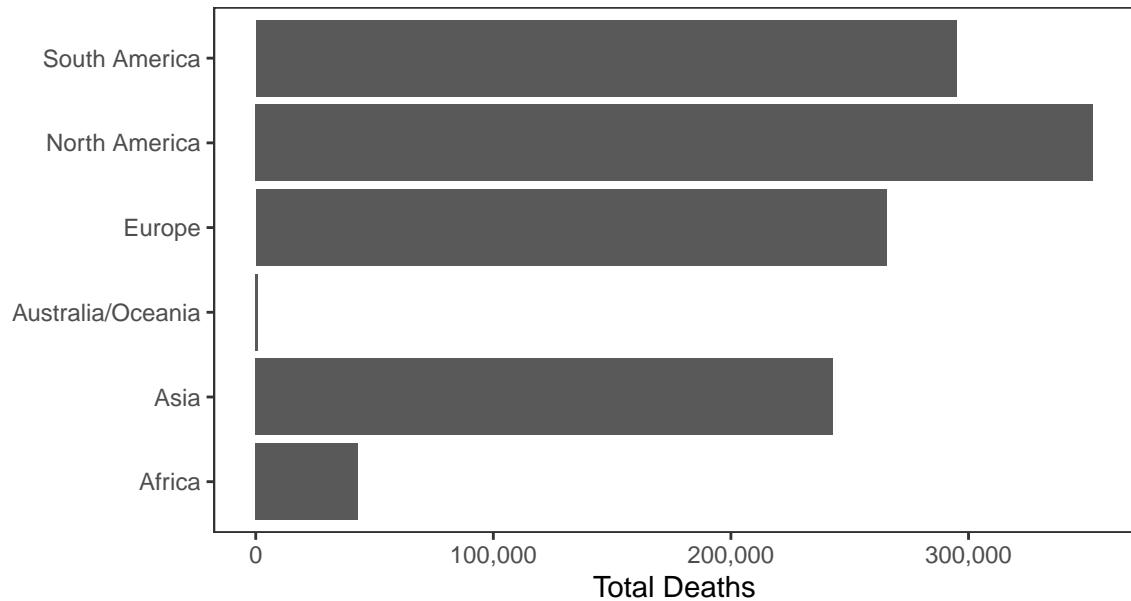
Erik's Covid-19 Chart Pack

Data updated 2020-11-01 13:19:42. 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 46,367,840 confirmed Covid-19 cases and 1,199,743 deaths worldwide.

Deaths



Cases

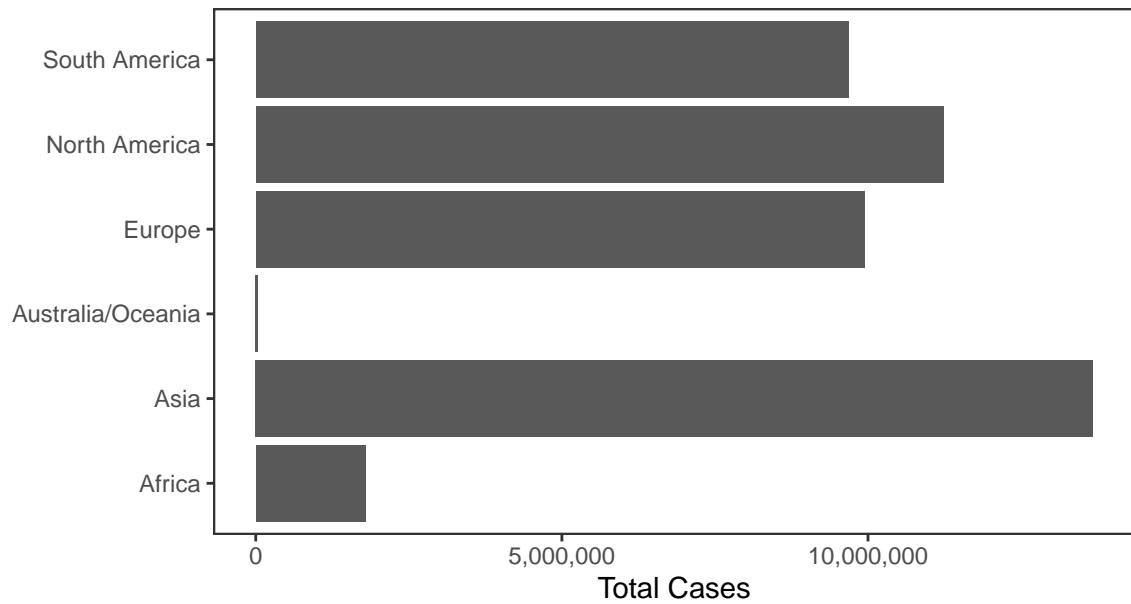
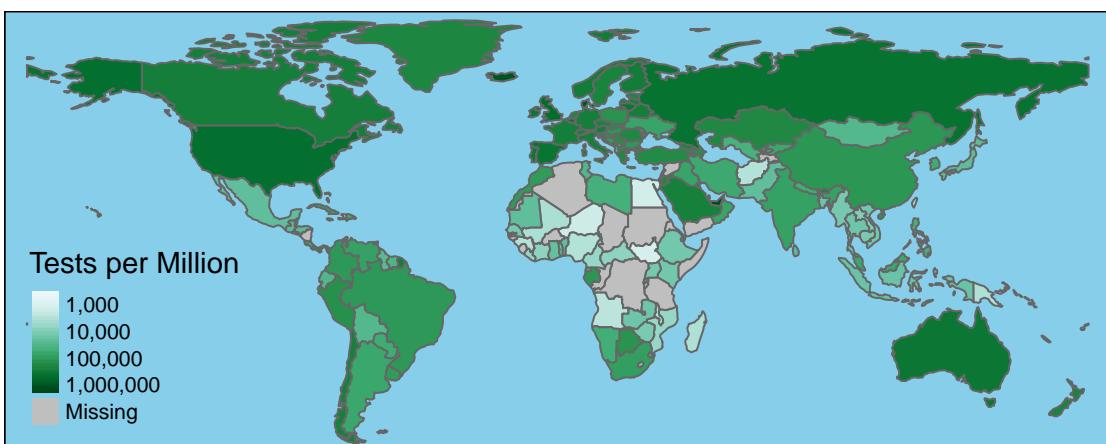
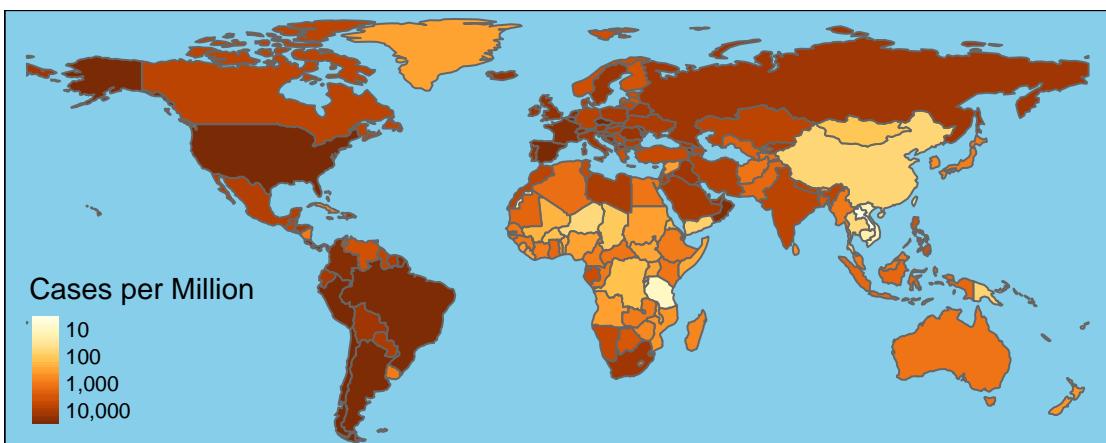
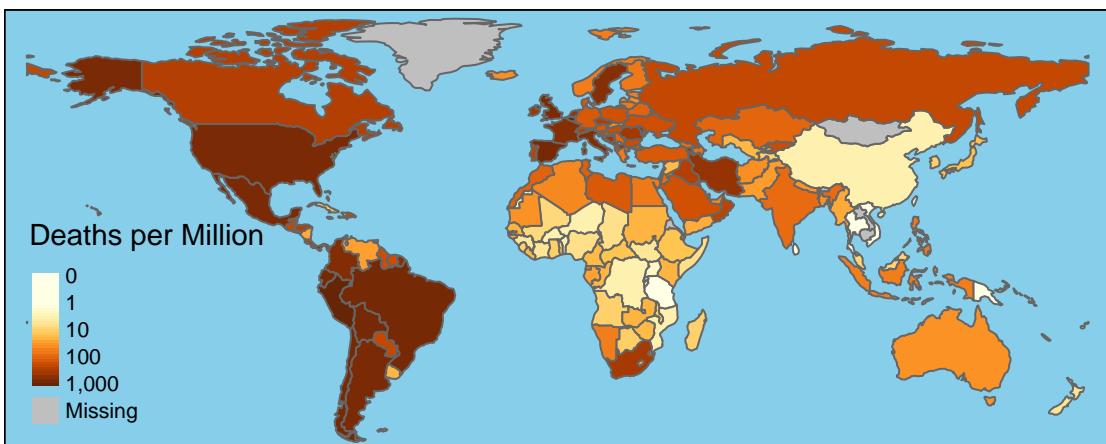


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	9,402,590	236,072	86,293	914
India	8,182,881	122,149	46,715	468
Brazil	5,535,605	159,902	16,077	340
Russia	1,618,116	27,990	18,140	334
France	1,367,625	36,788	35,641	223
Spain	1,264,517	35,878	0	0
Argentina	1,166,924	31,002	9,745	210
Colombia	1,074,184	31,314	11,033	179
UK	1,011,660	46,555	21,915	326
Mexico	918,811	91,289	6,000	516
Peru	902,503	34,476	2,323	65
South Africa	725,452	19,276	1,770	46
Italy	679,428	38,618	31,756	297
Iran	612,772	34,864	7,820	386
Germany	531,790	10,583	14,070	60
Chile	510,256	14,207	1,685	49
Iraq	472,630	10,910	1,997	48
Belgium	412,314	11,452	20,056	144
Indonesia	410,088	13,869	3,143	87
Bangladesh	407,684	5,923	1,320	18



National Data

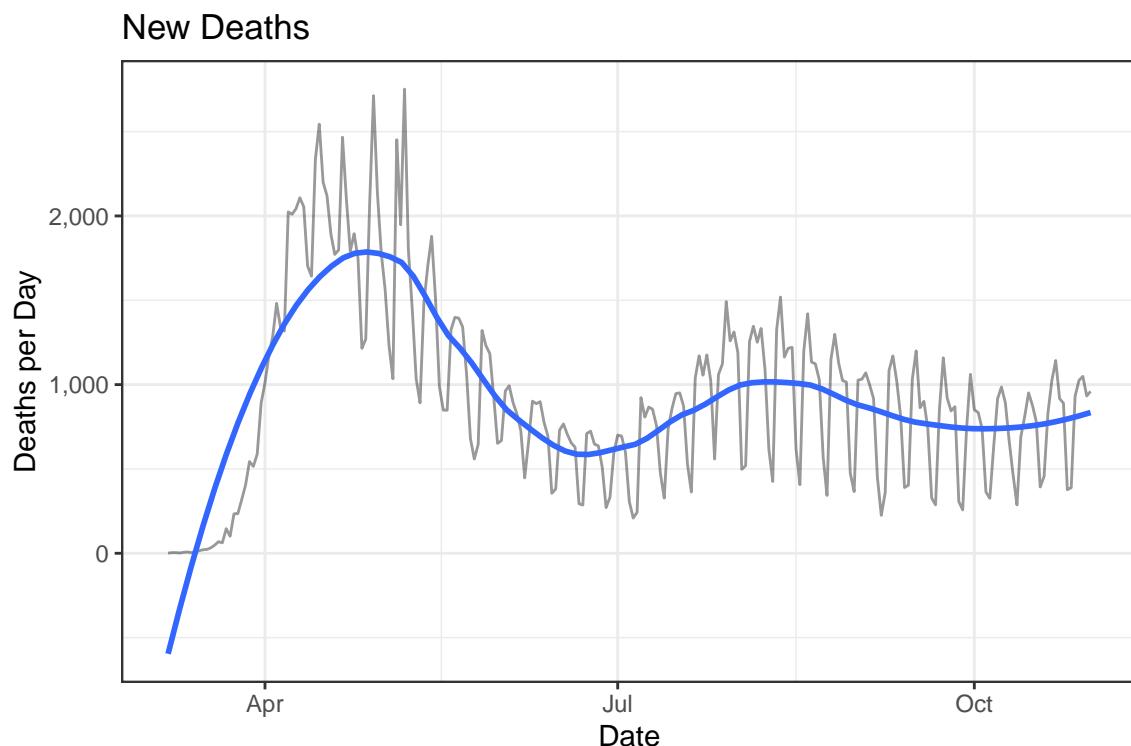
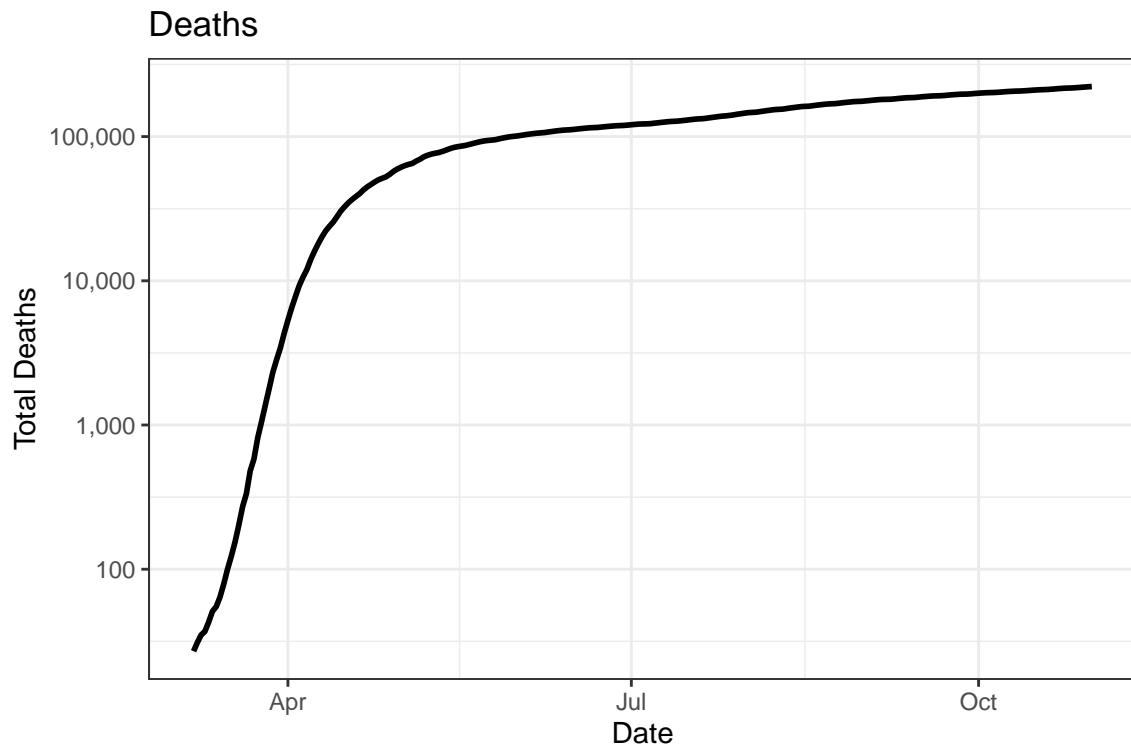
There have been 9,077,689 confirmed Covid-19 cases and 222,316 deaths in the United States.

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

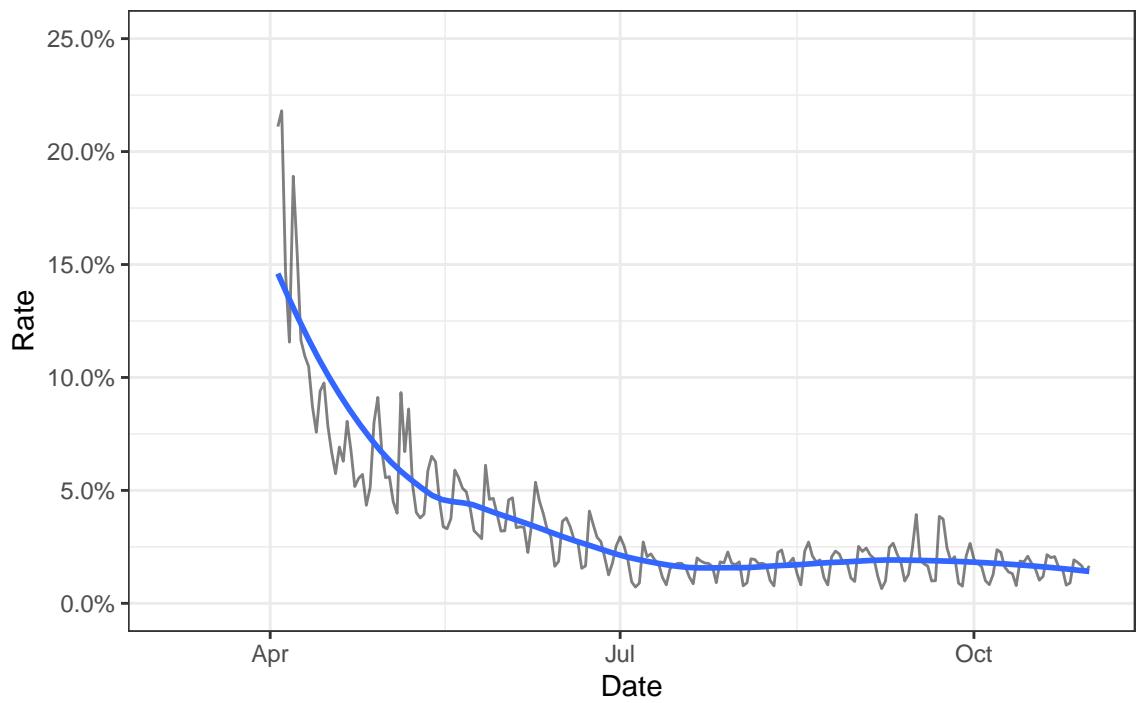
Date	Cases	Deaths	New Cases	New Deaths
2020-10-31	9,077,689	222,316	90,058	960
2020-10-30	8,987,631	221,356	97,080	933
2020-10-29	8,890,551	220,423	88,452	1,049
2020-10-28	8,802,099	219,374	78,661	1,025
2020-10-27	8,723,438	218,349	73,096	931
2020-10-26	8,650,342	217,418	62,274	389
2020-10-25	8,588,068	217,029	65,650	377
2020-10-24	8,522,418	216,652	82,925	890
2020-10-23	8,439,493	215,762	83,057	917
2020-10-22	8,356,436	214,845	73,007	1,143
2020-10-21	8,283,429	213,702	60,712	1,024
2020-10-20	8,222,717	212,678	60,558	832
2020-10-19	8,162,159	211,846	57,132	456
2020-10-18	8,105,027	211,390	48,857	393

Deaths

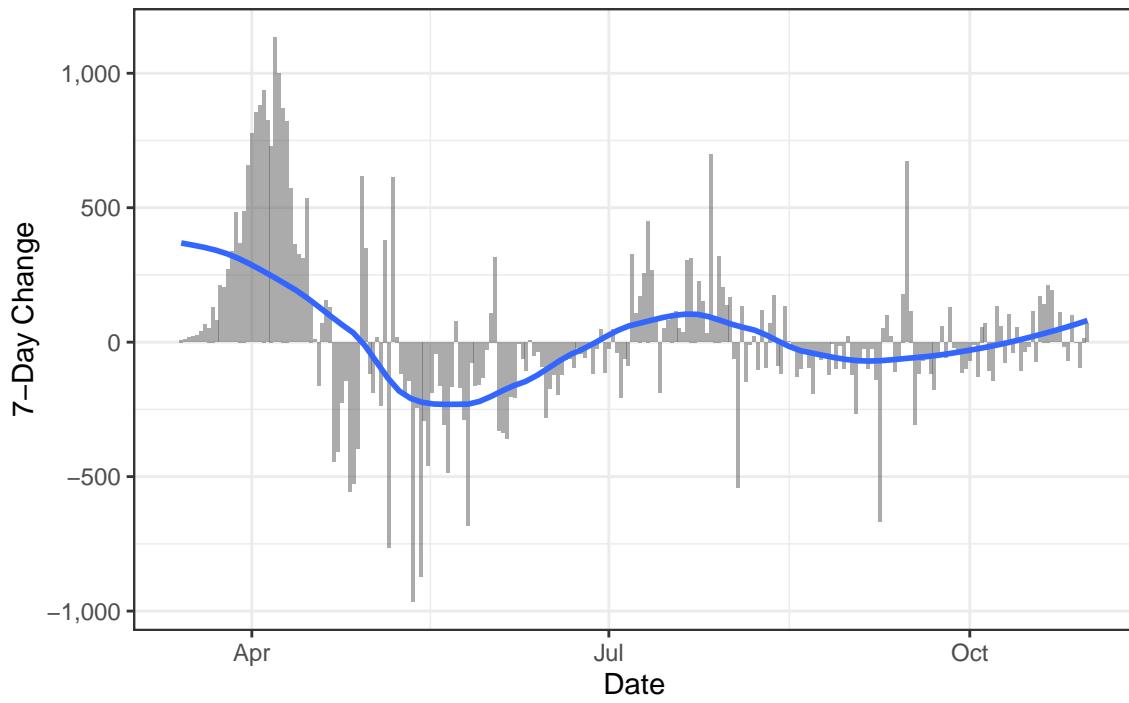
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

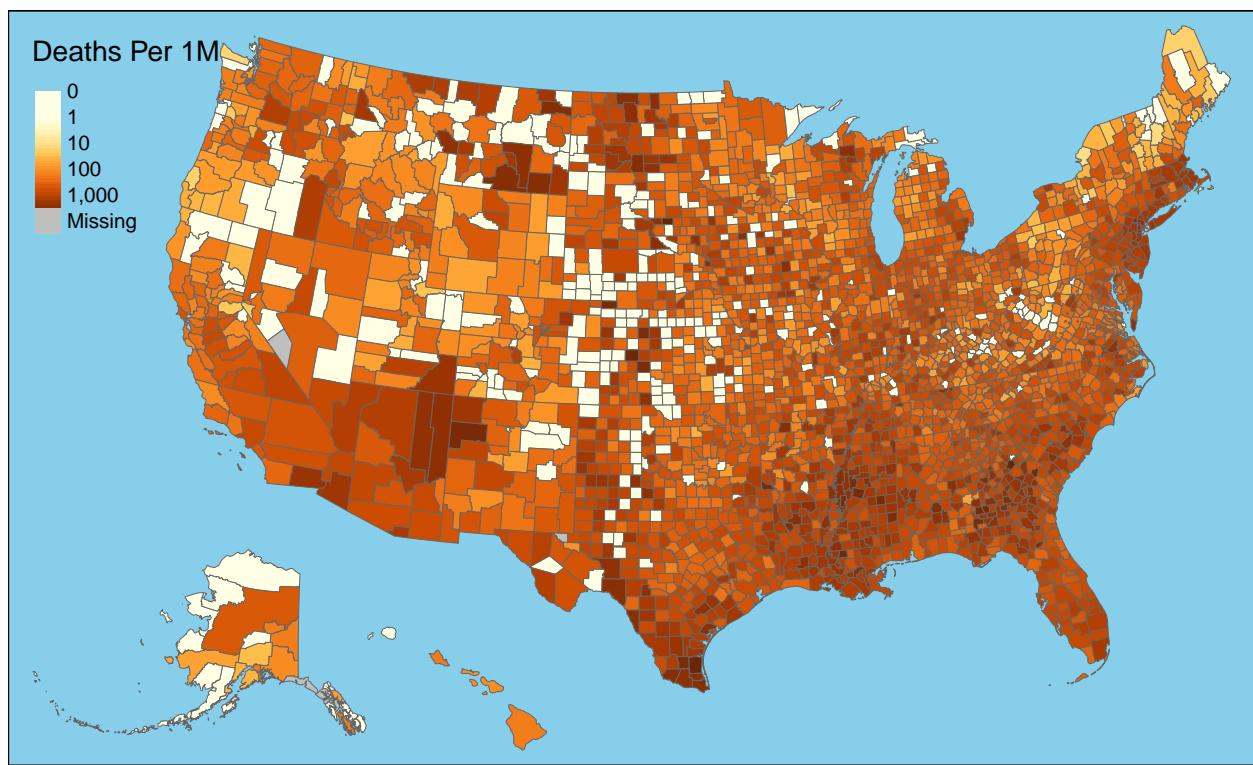


Daily Case Mortality Rate



One-Week Change in Daily Deaths

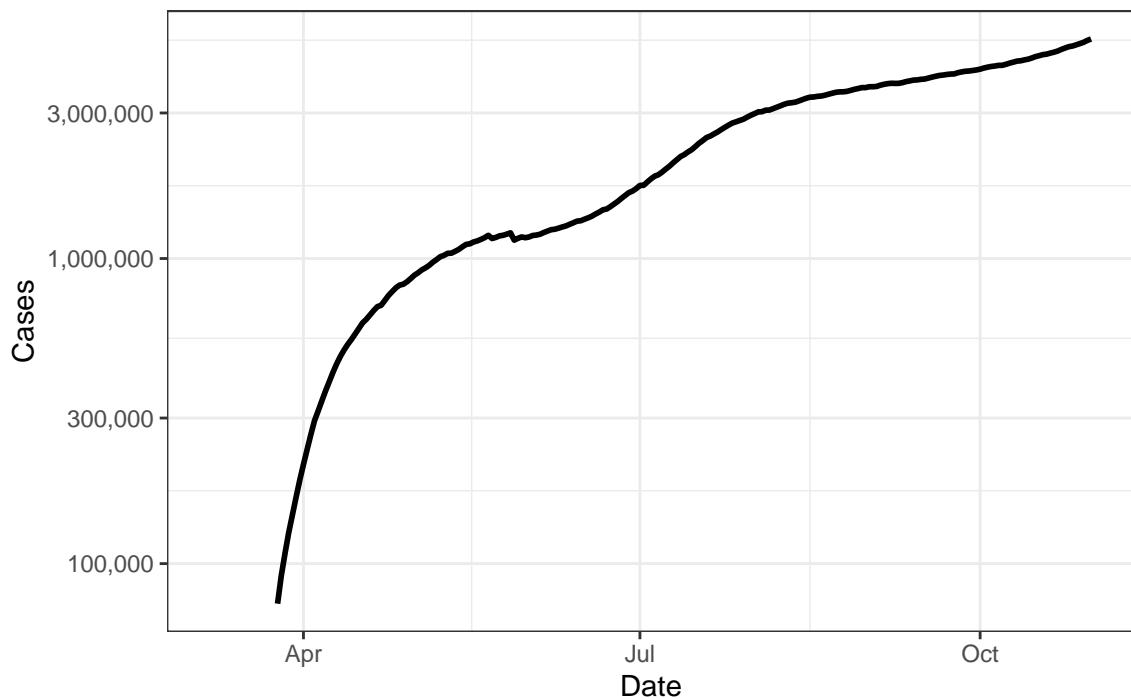




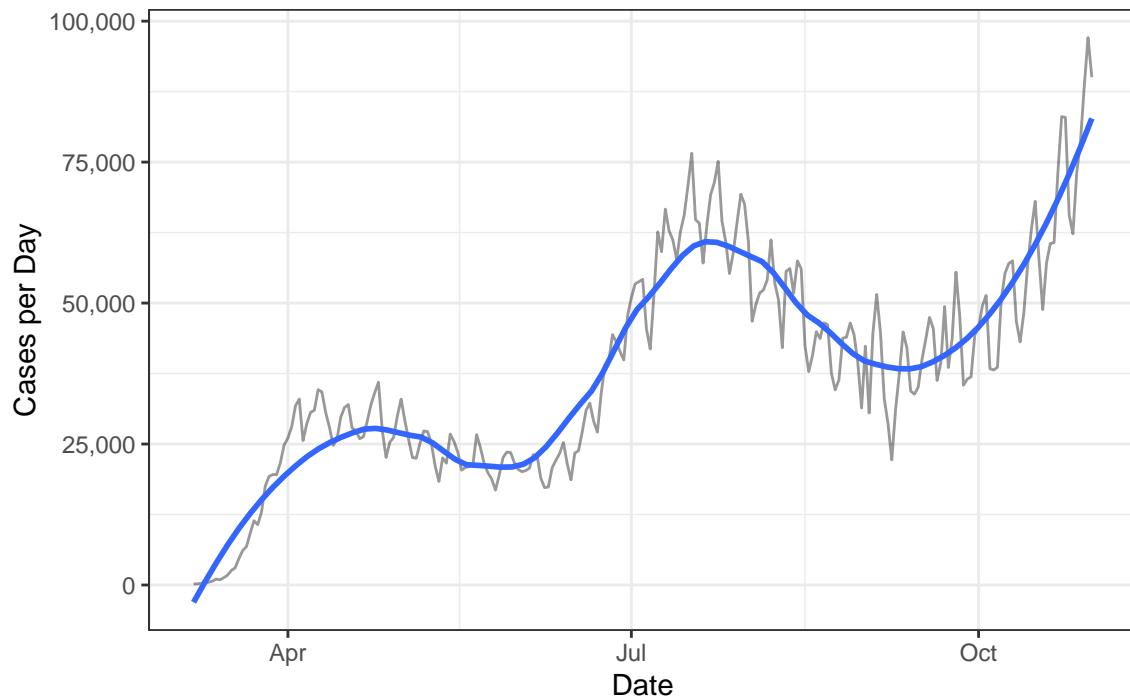
Cases

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

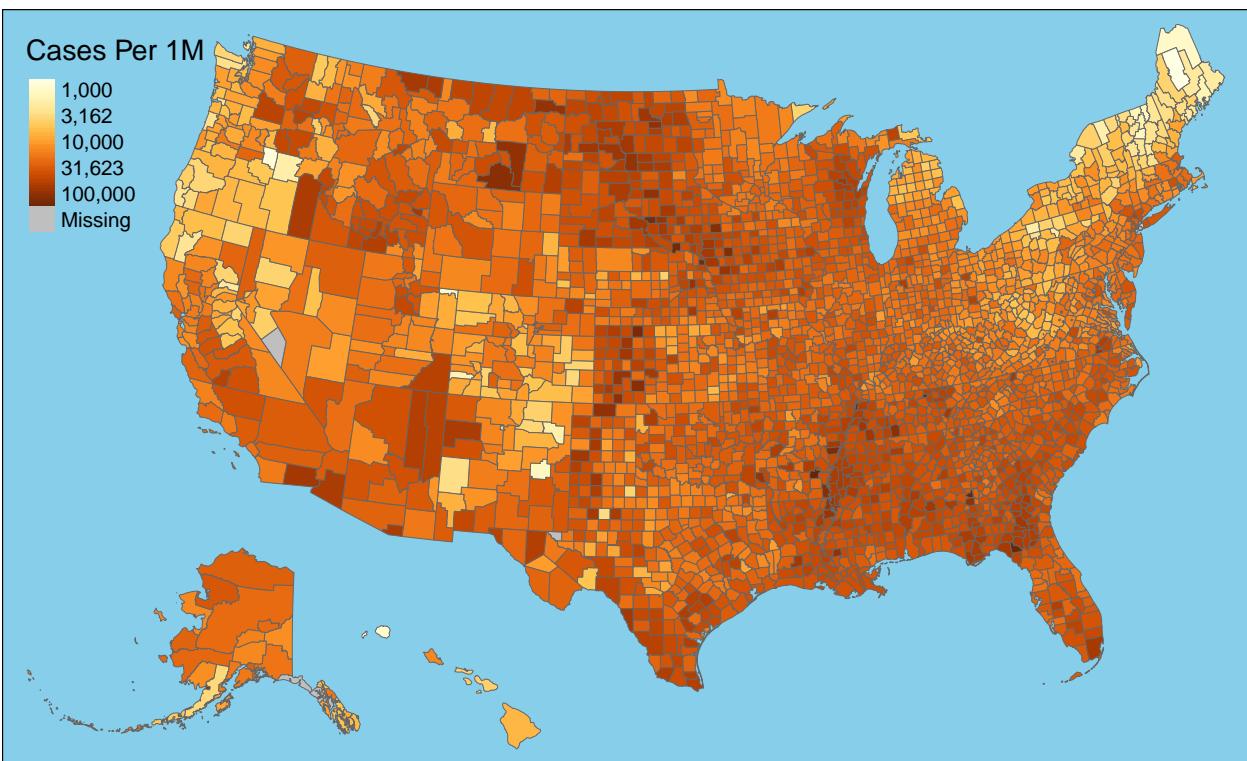
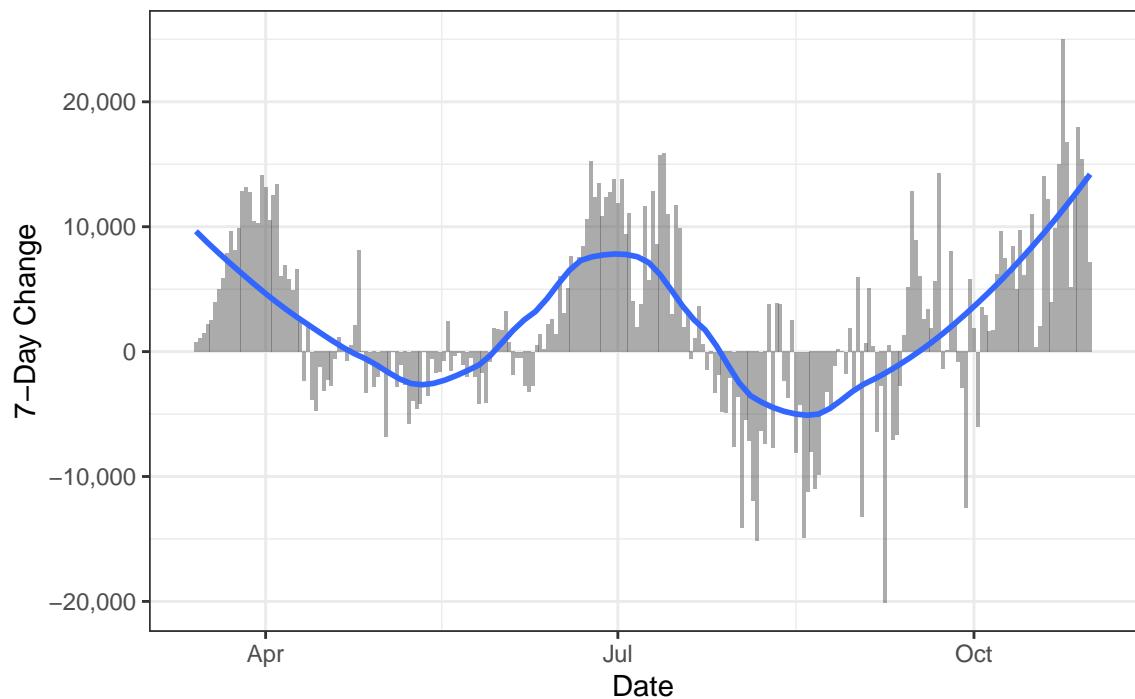
Active Cases



New Cases

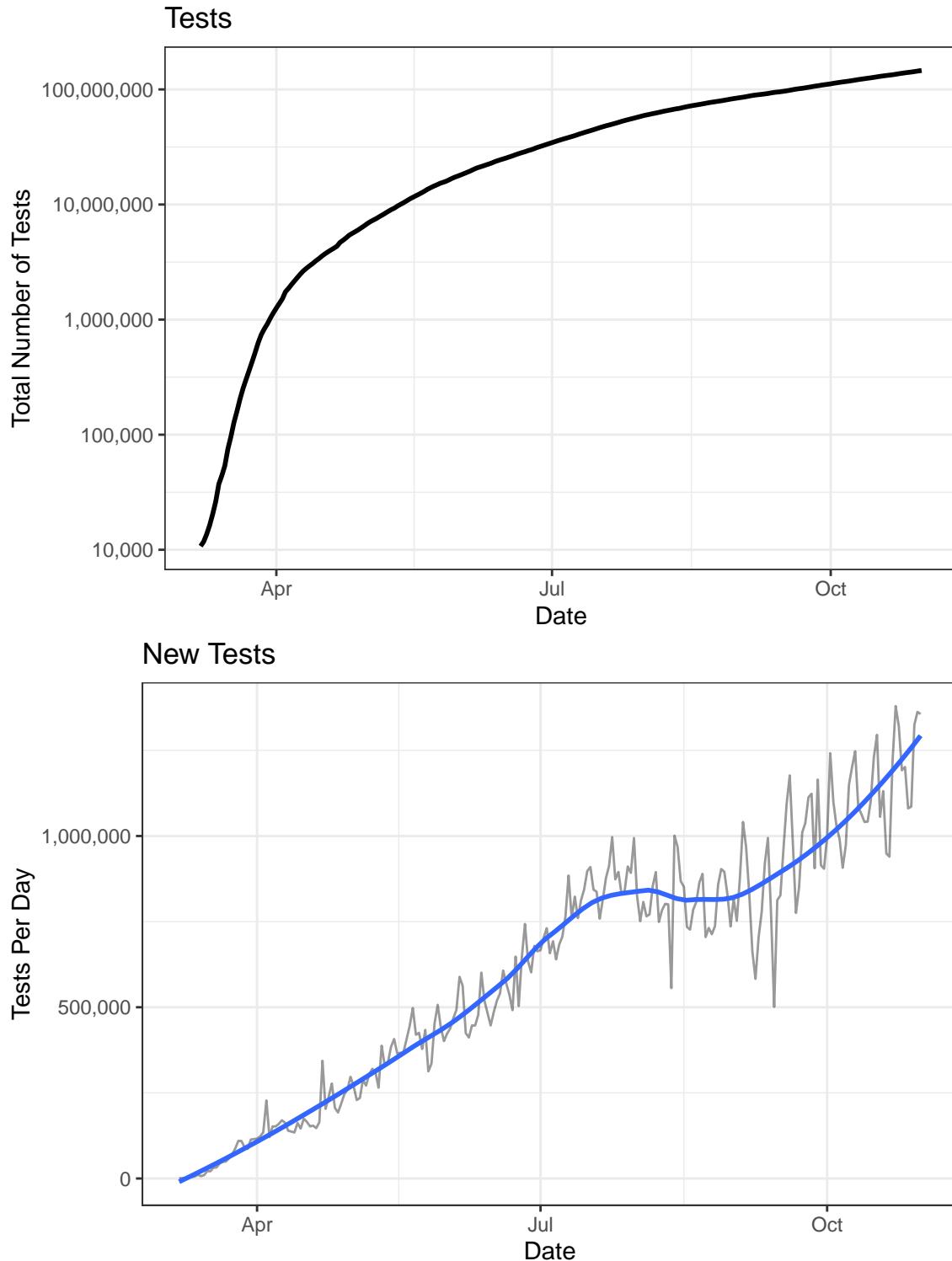


One-Week Change in Daily Cases

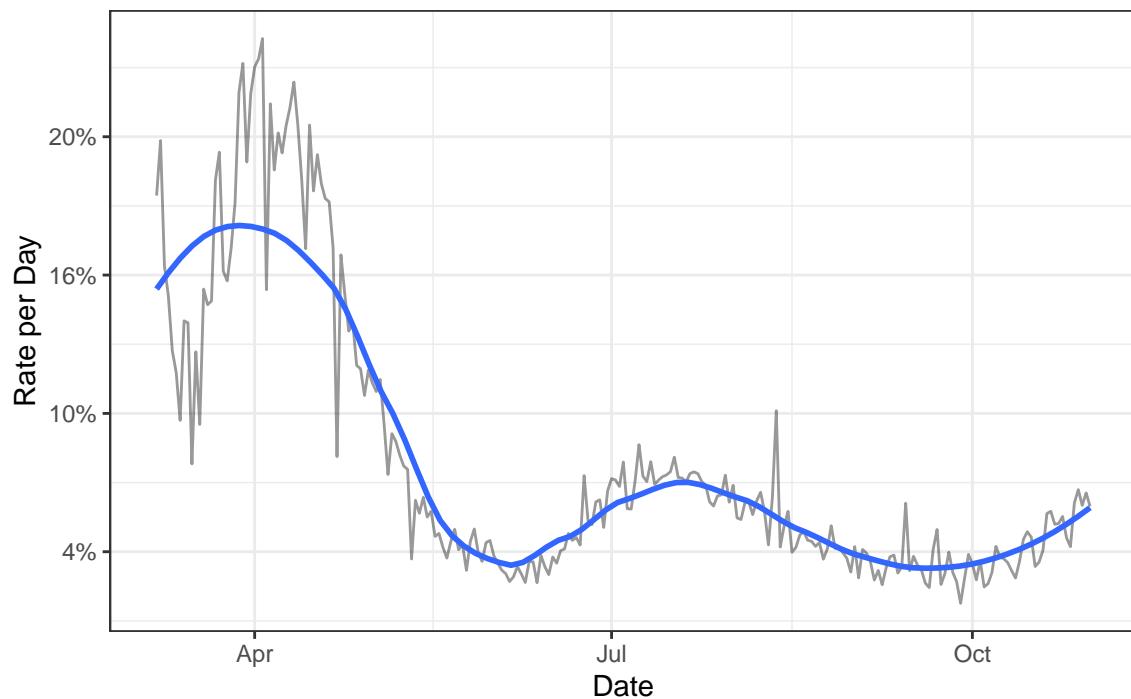


Testing

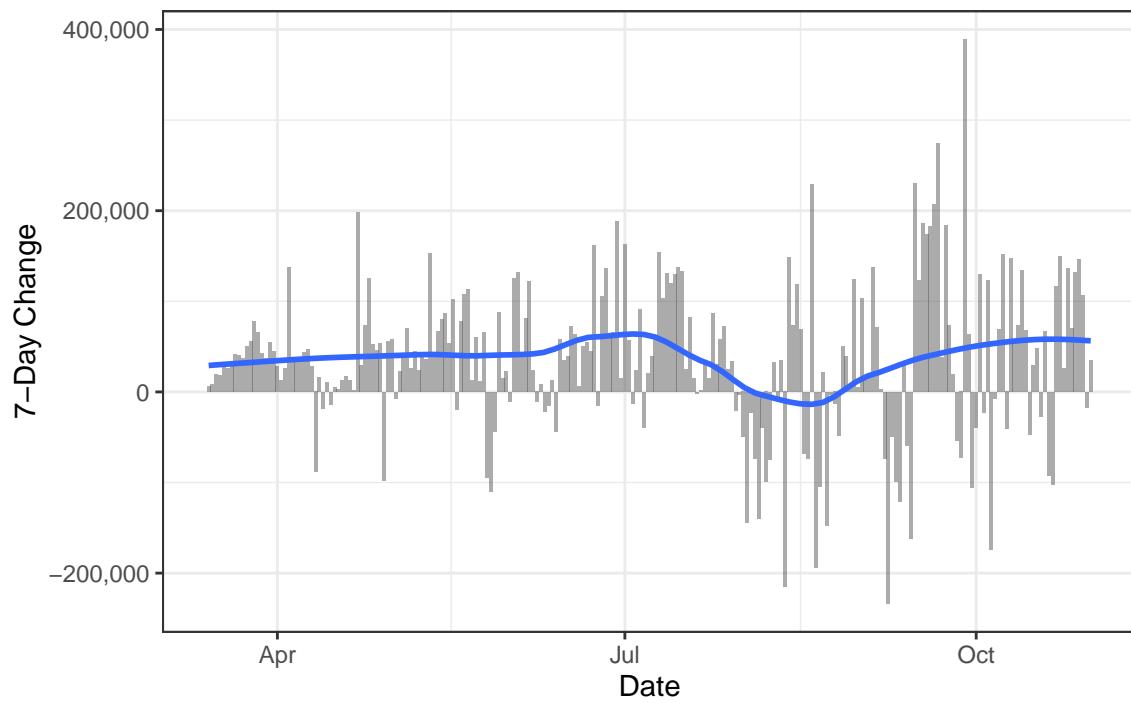
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

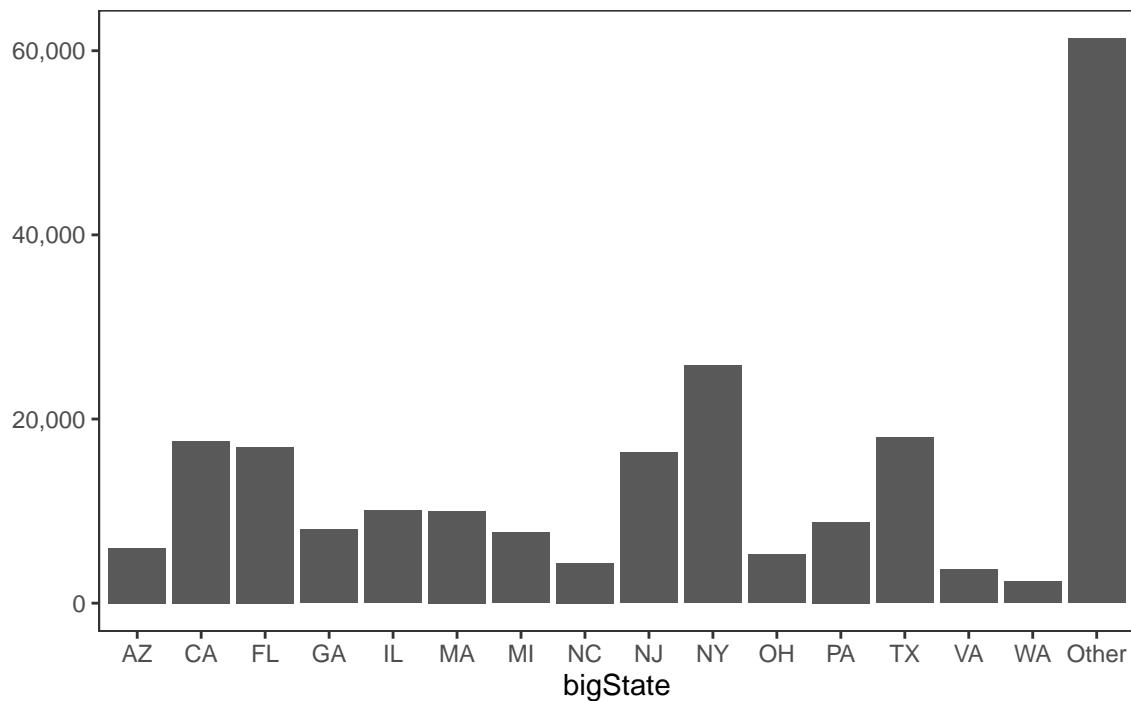


State Data

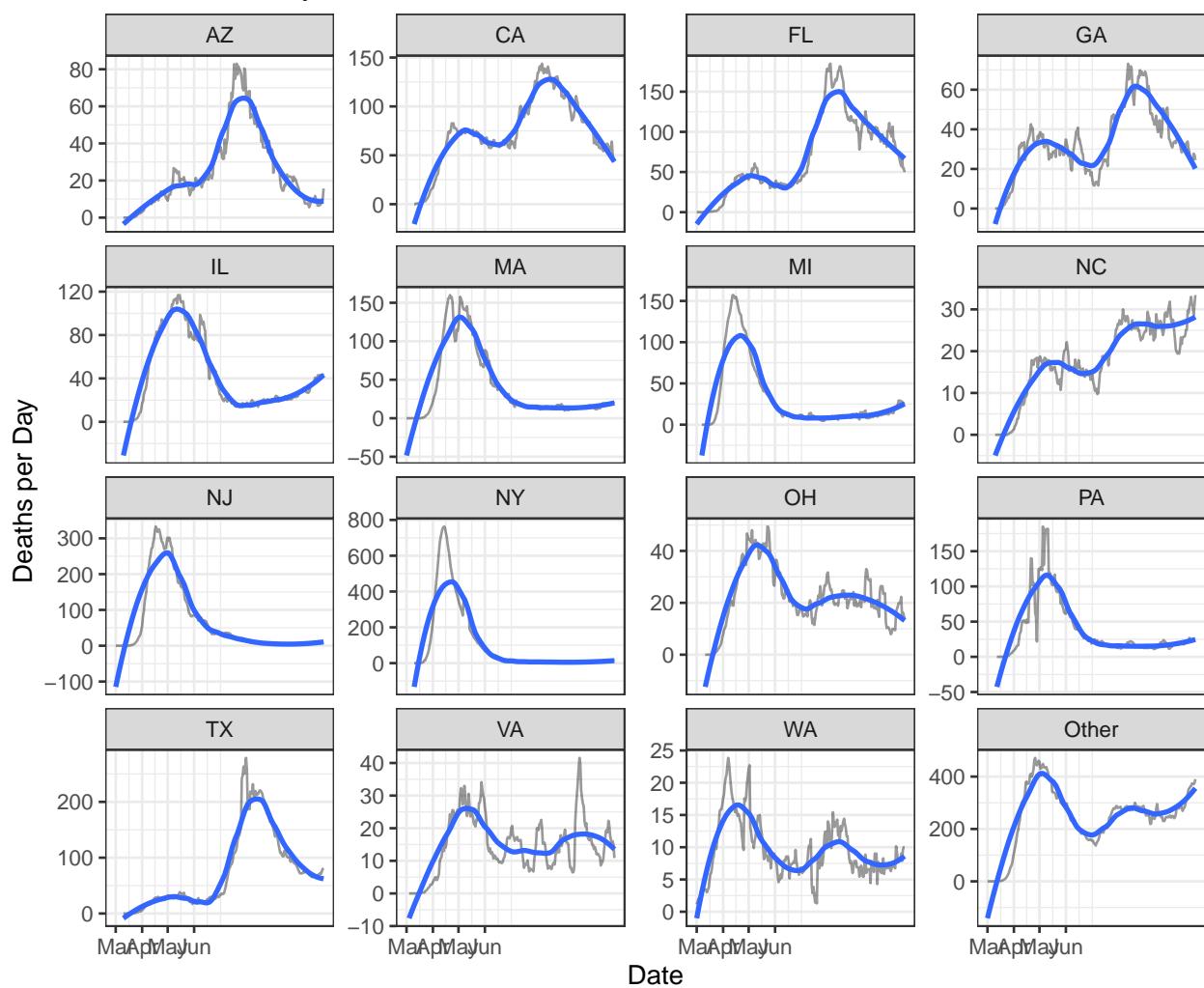
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

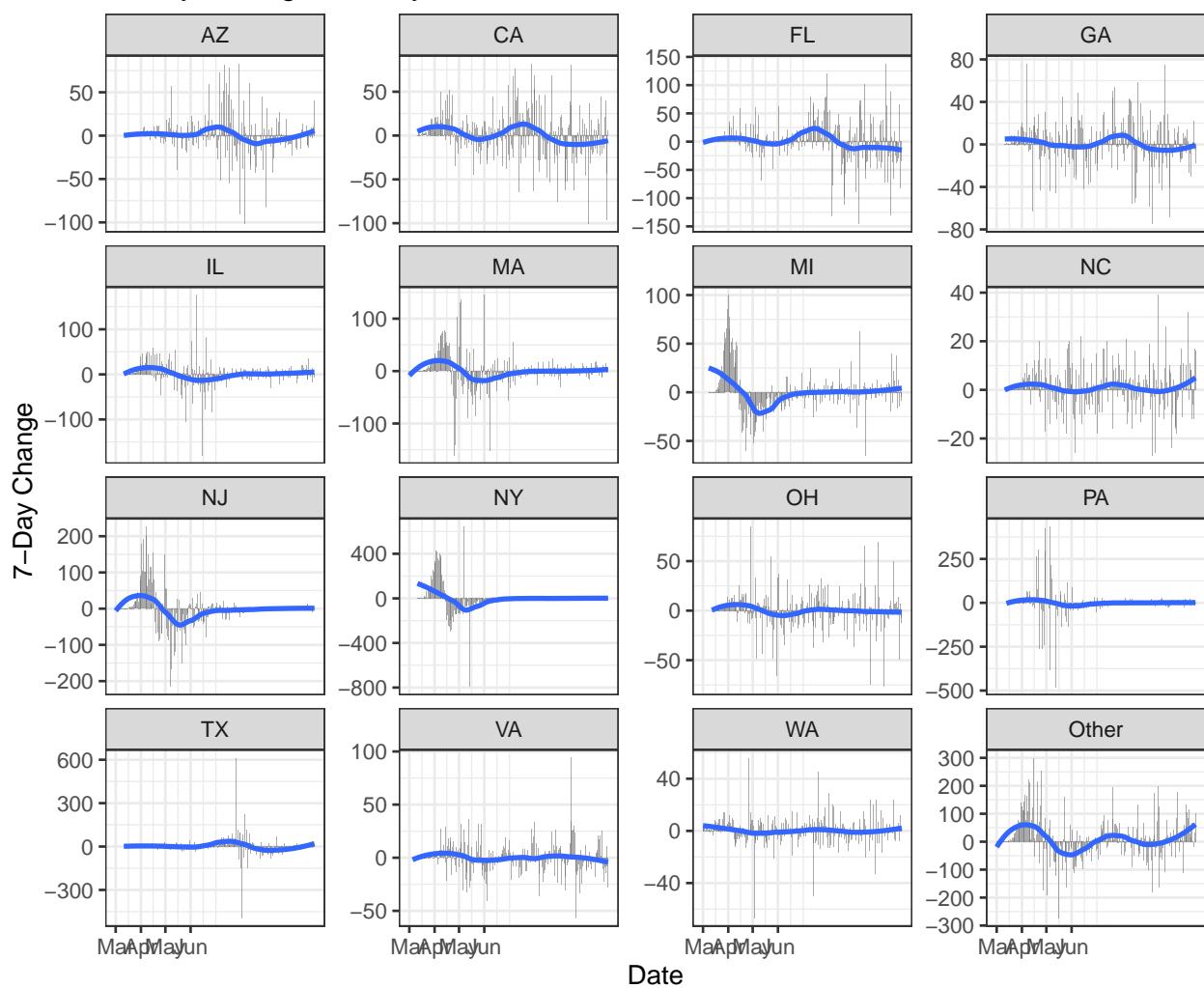
Deaths by State

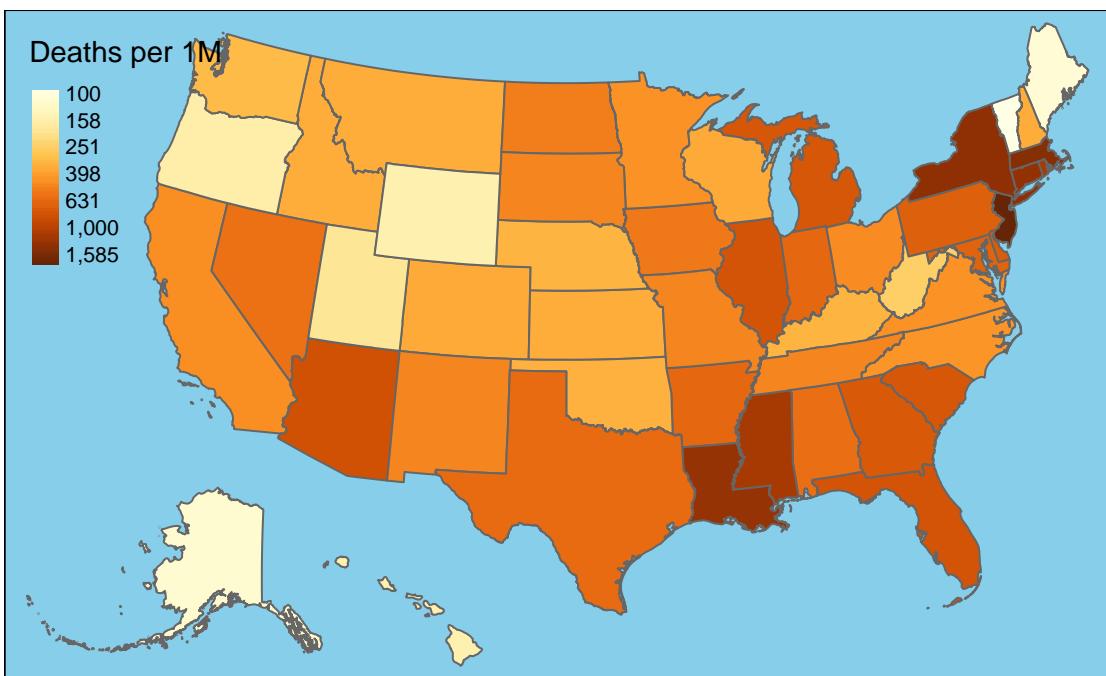
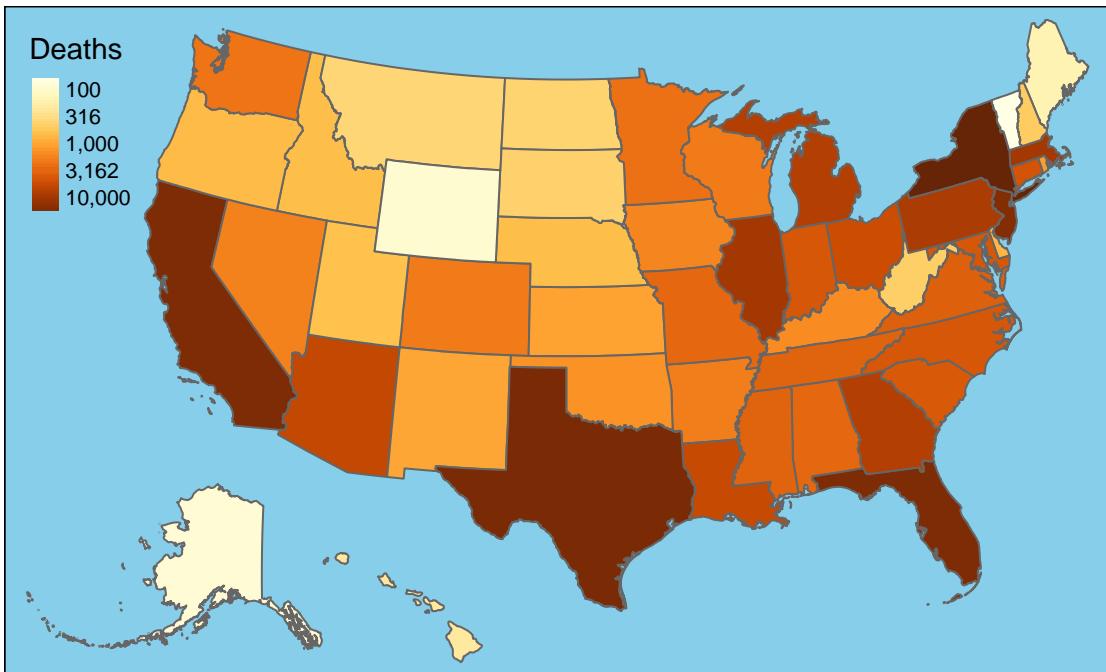


New Deaths by State



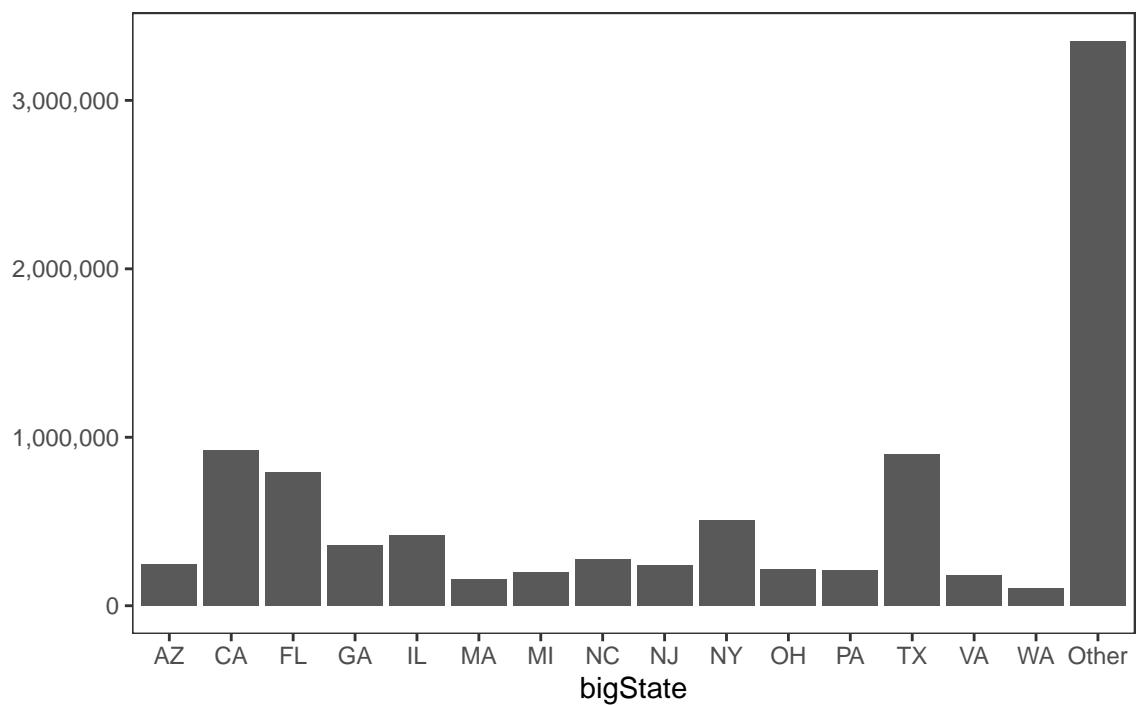
7-Day Change in Daily Deaths



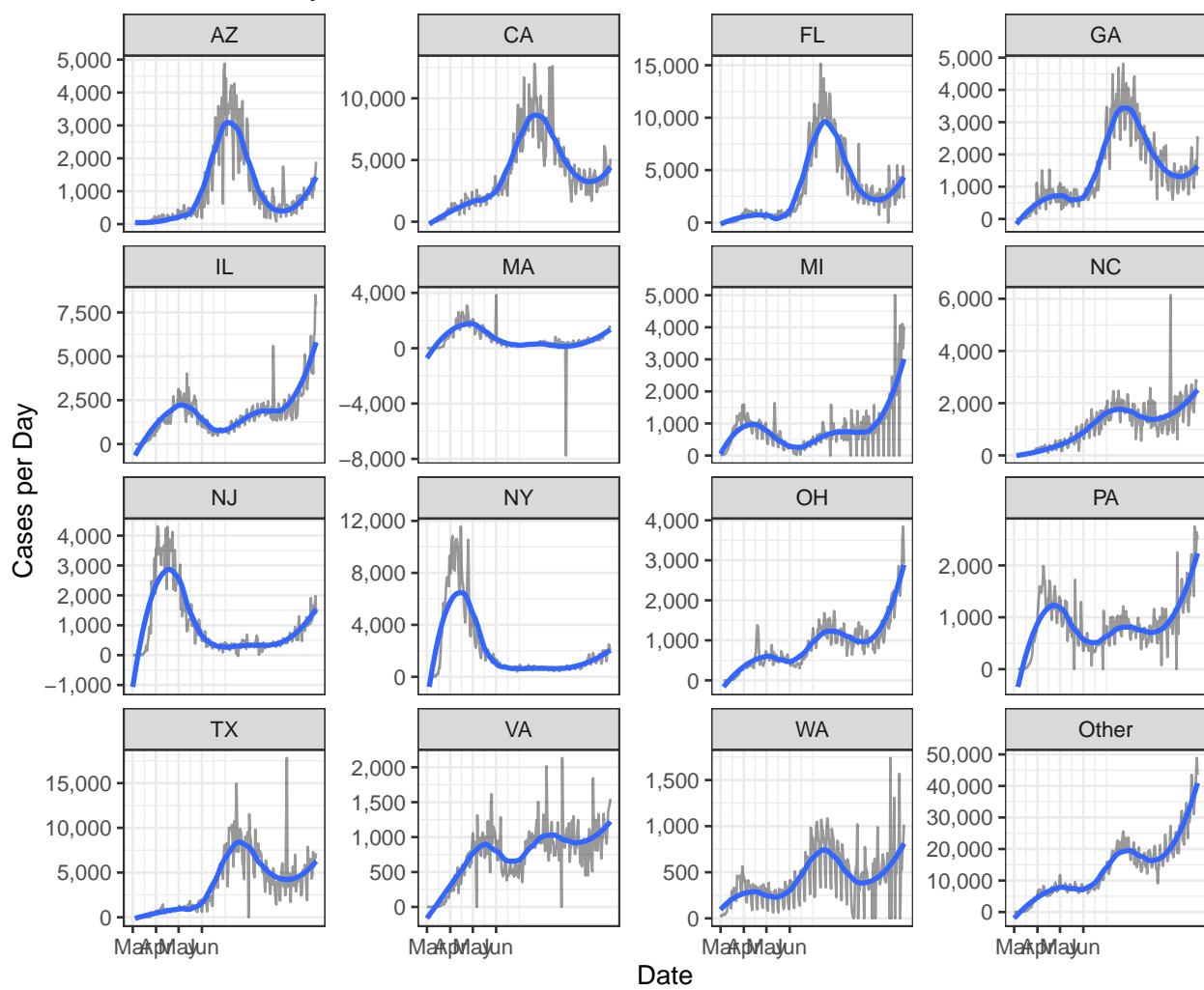


Cases

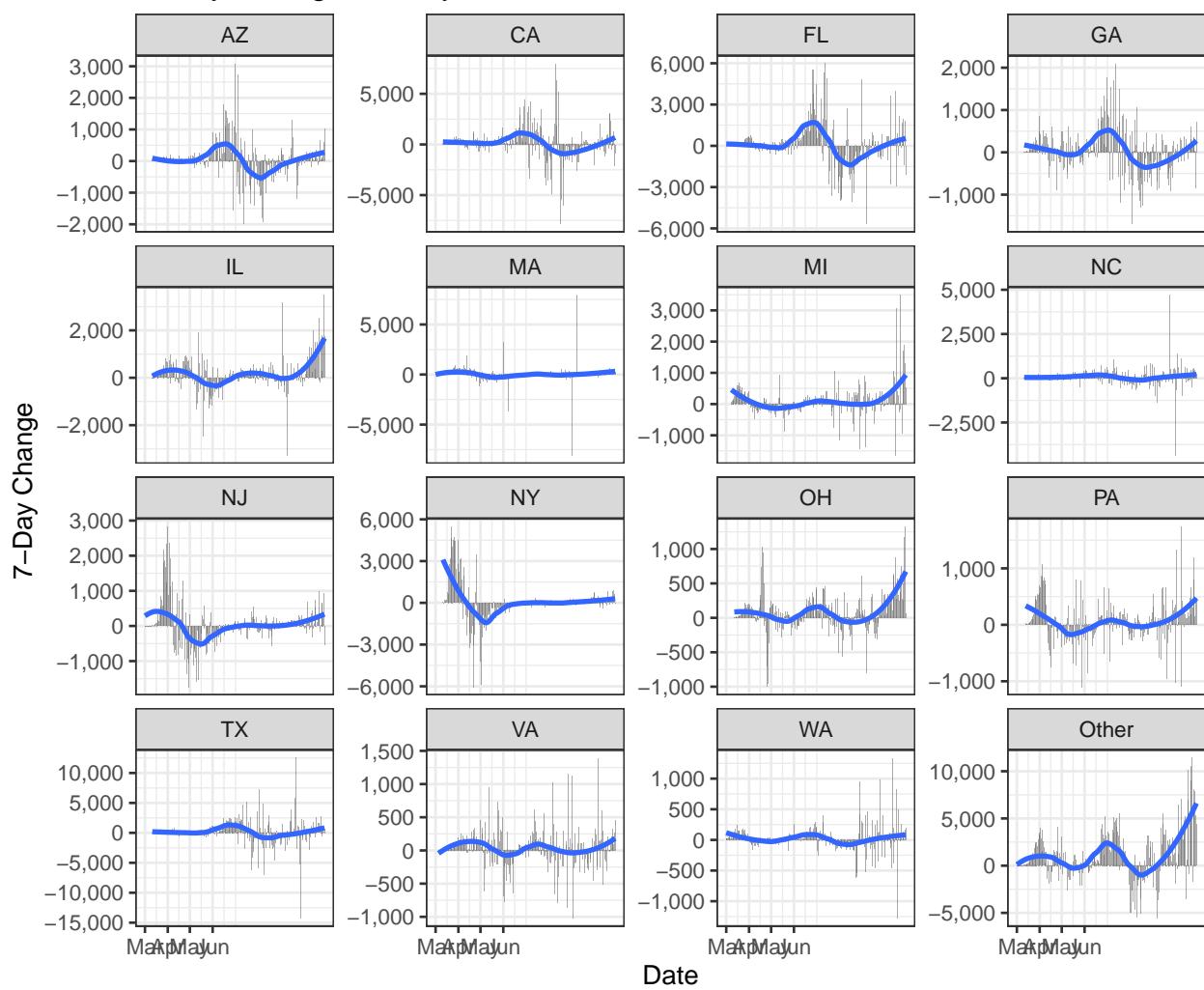
Cases by State

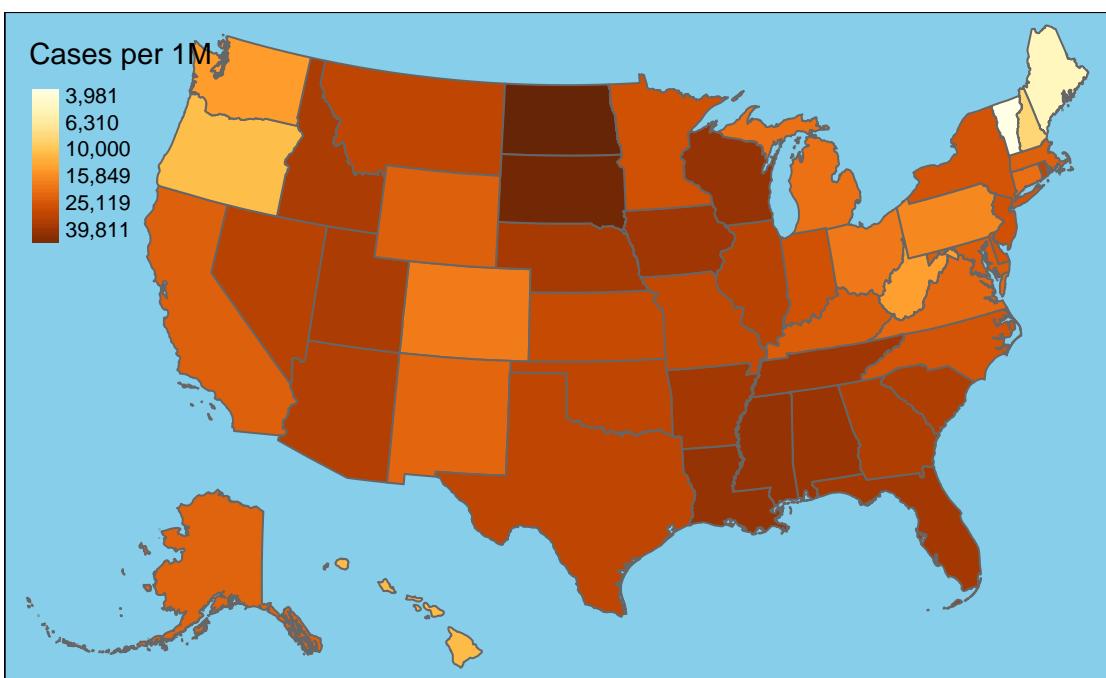
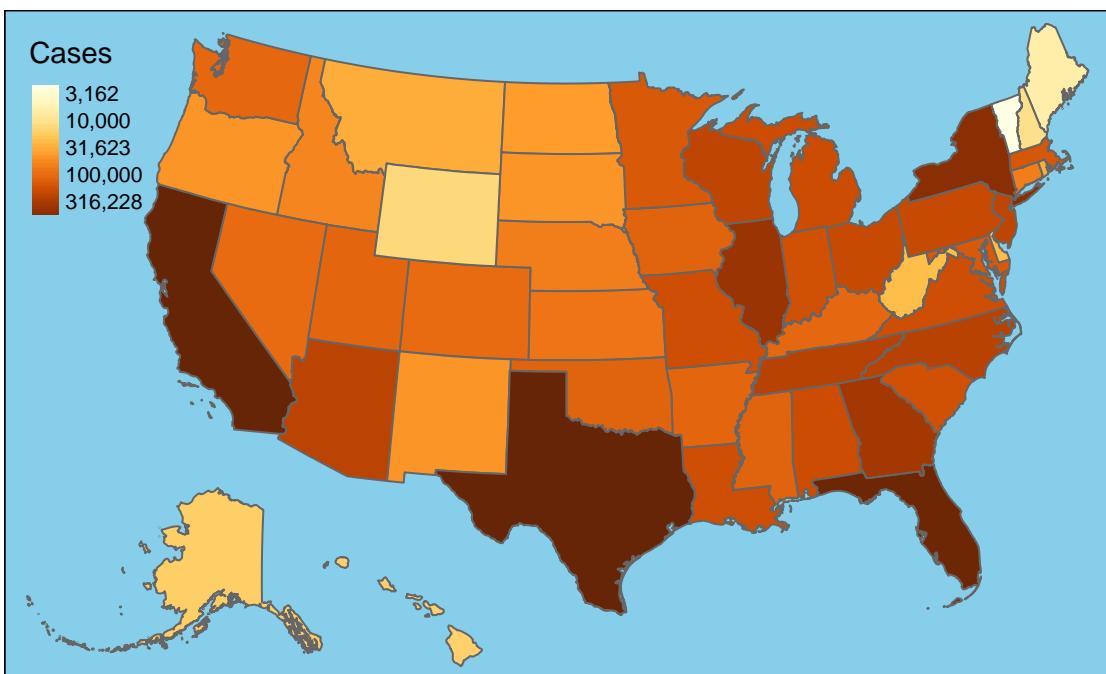


New Cases by State

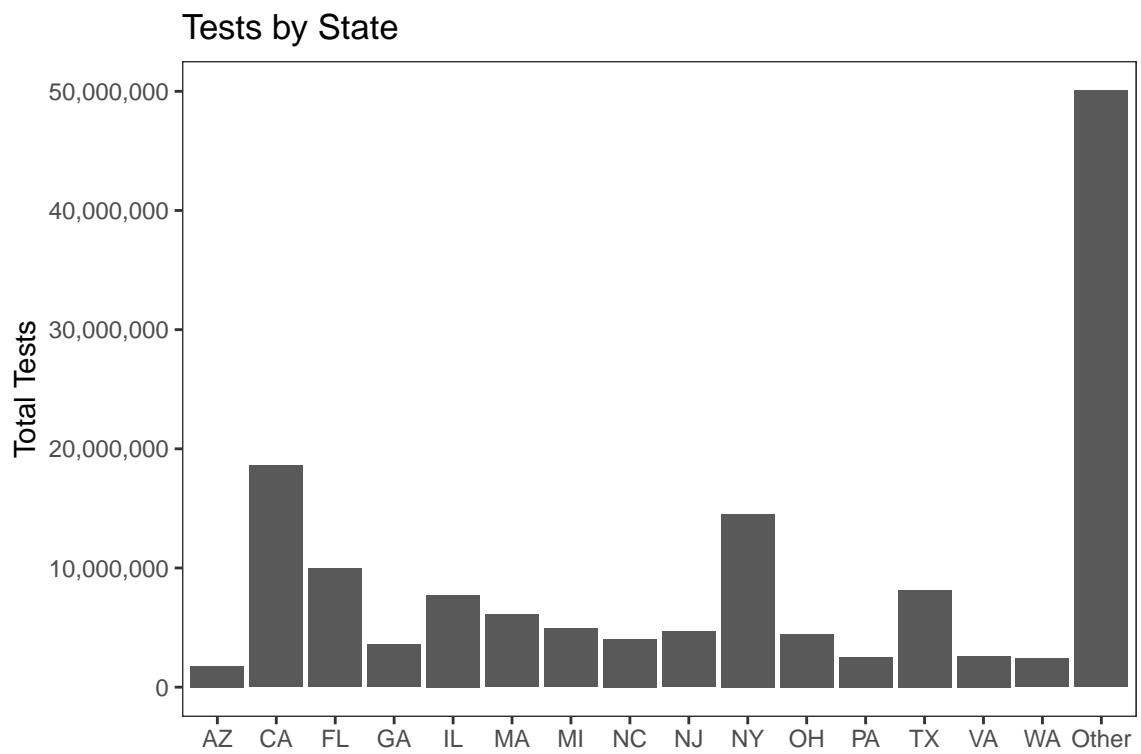


7-Day Change in Daily Cases

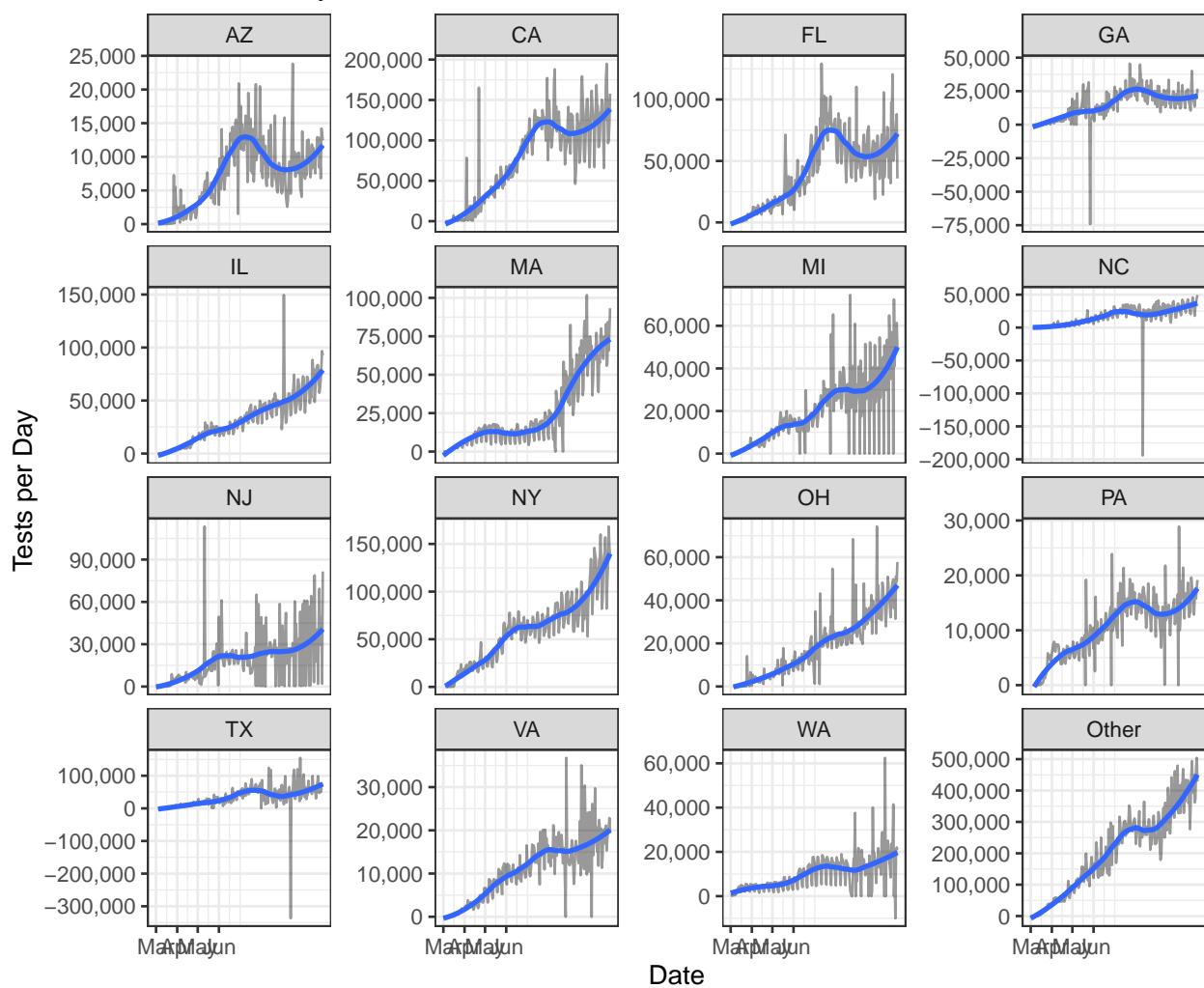


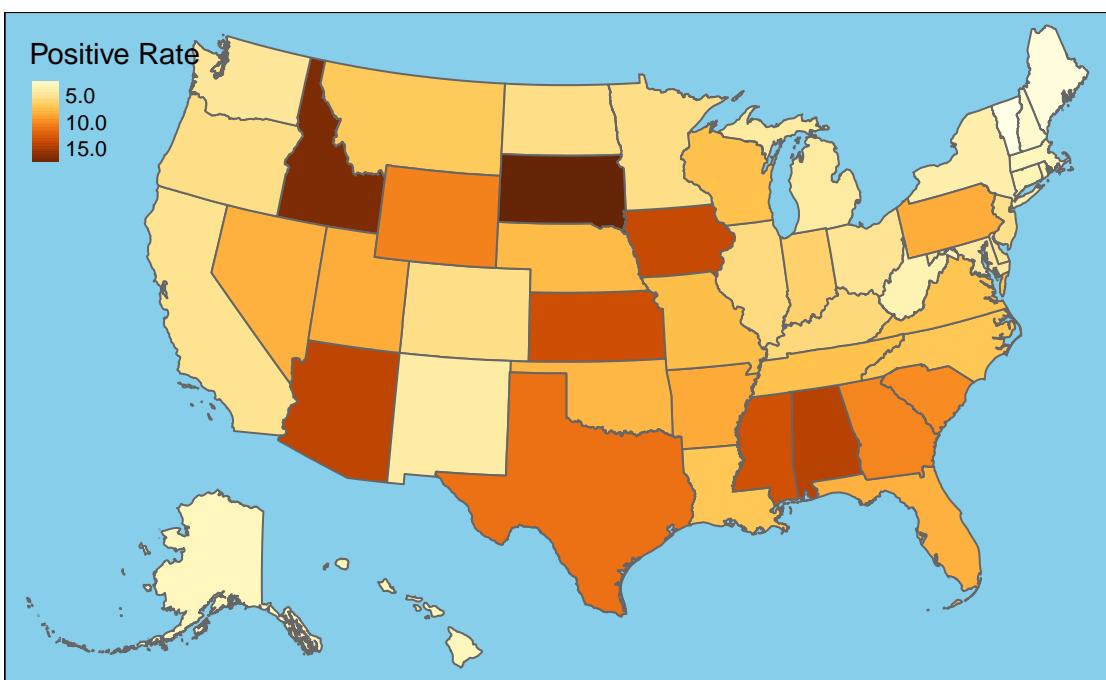
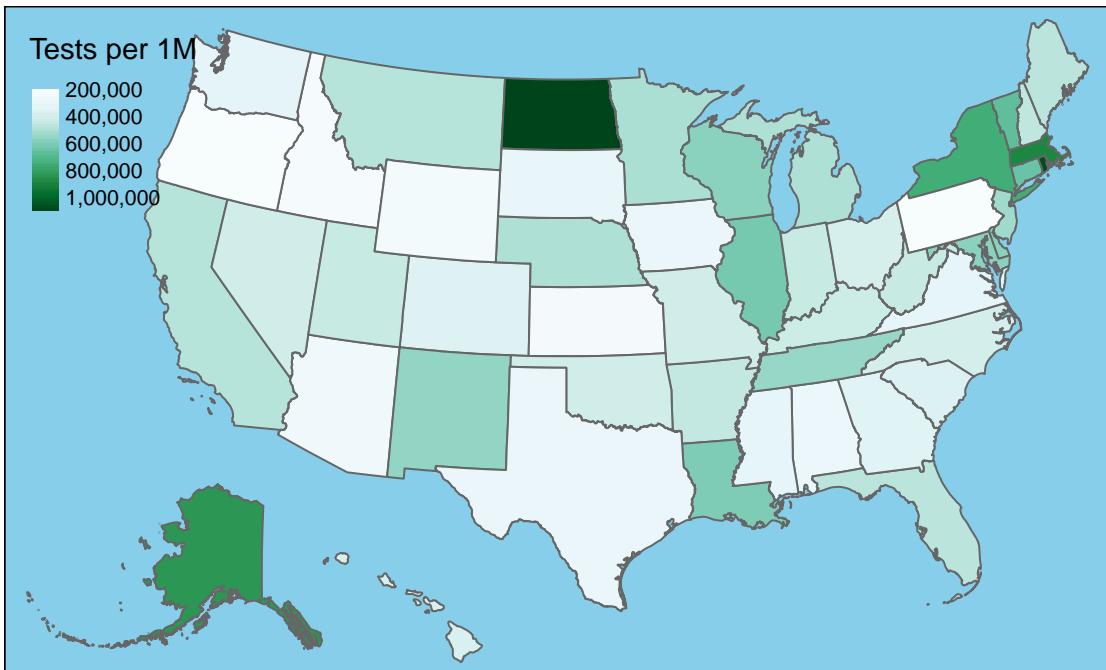


Testing



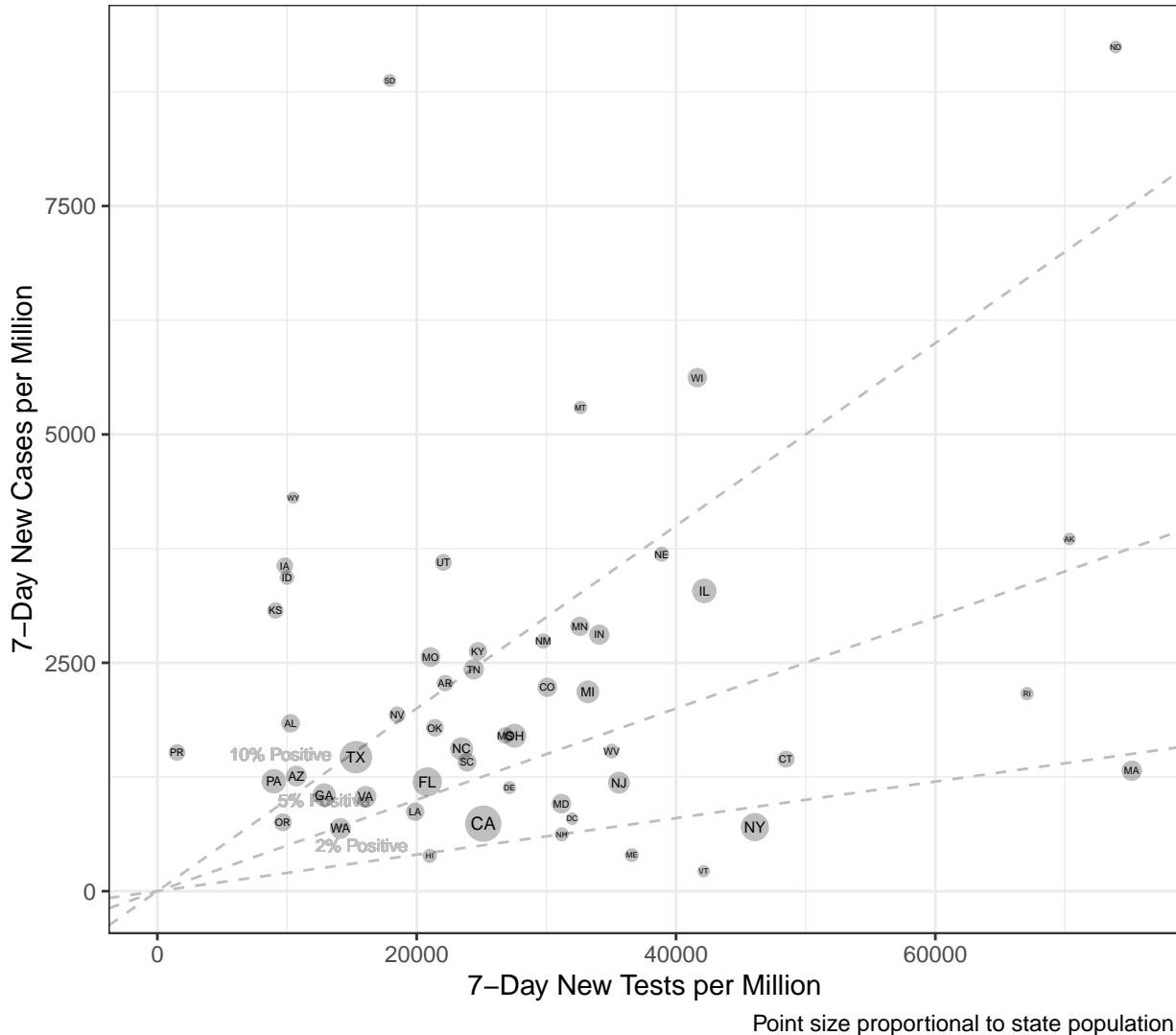
New Tests by State





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



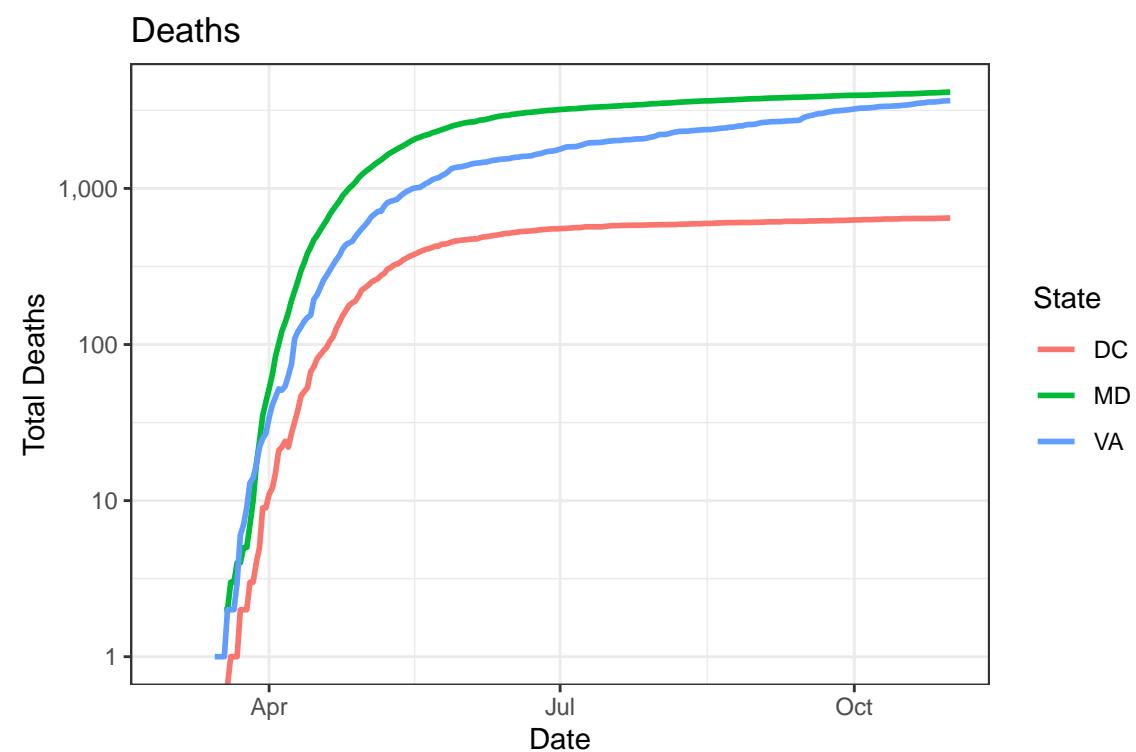
Local Data

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

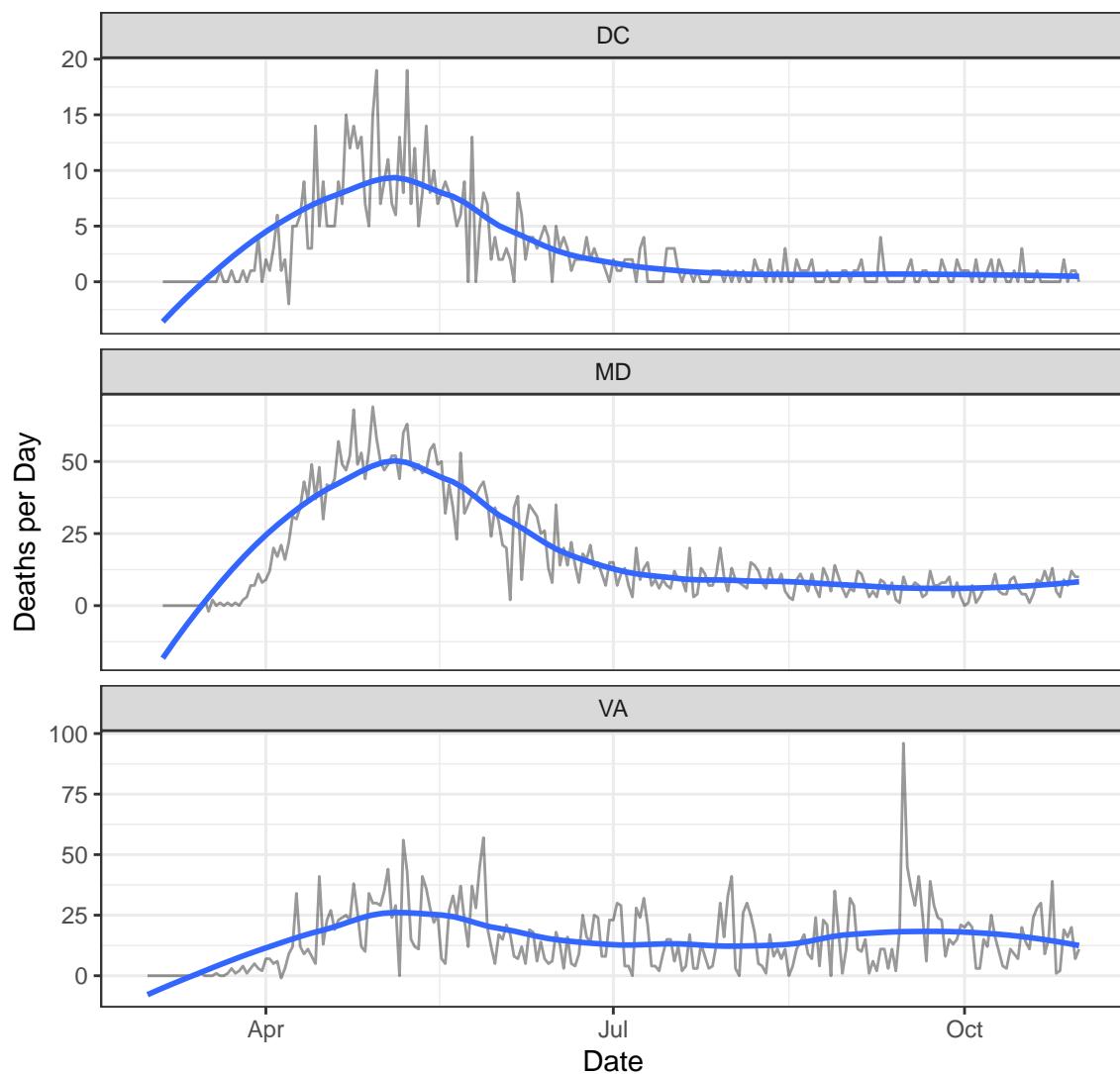
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	17,266	646	122	0
MD	145,281	4,147	967	10
VA	181,190	3,654	1,551	11

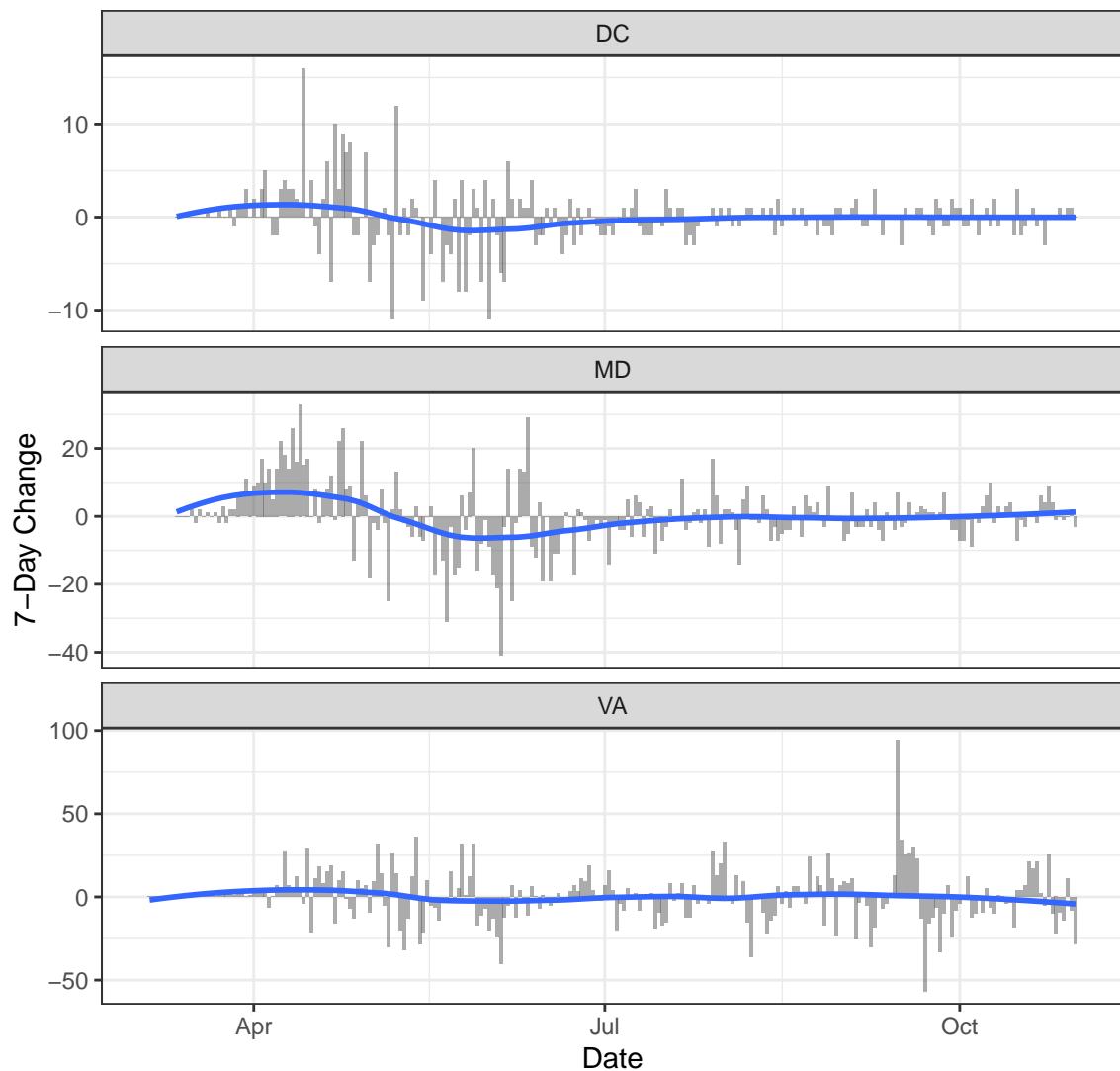
Deaths

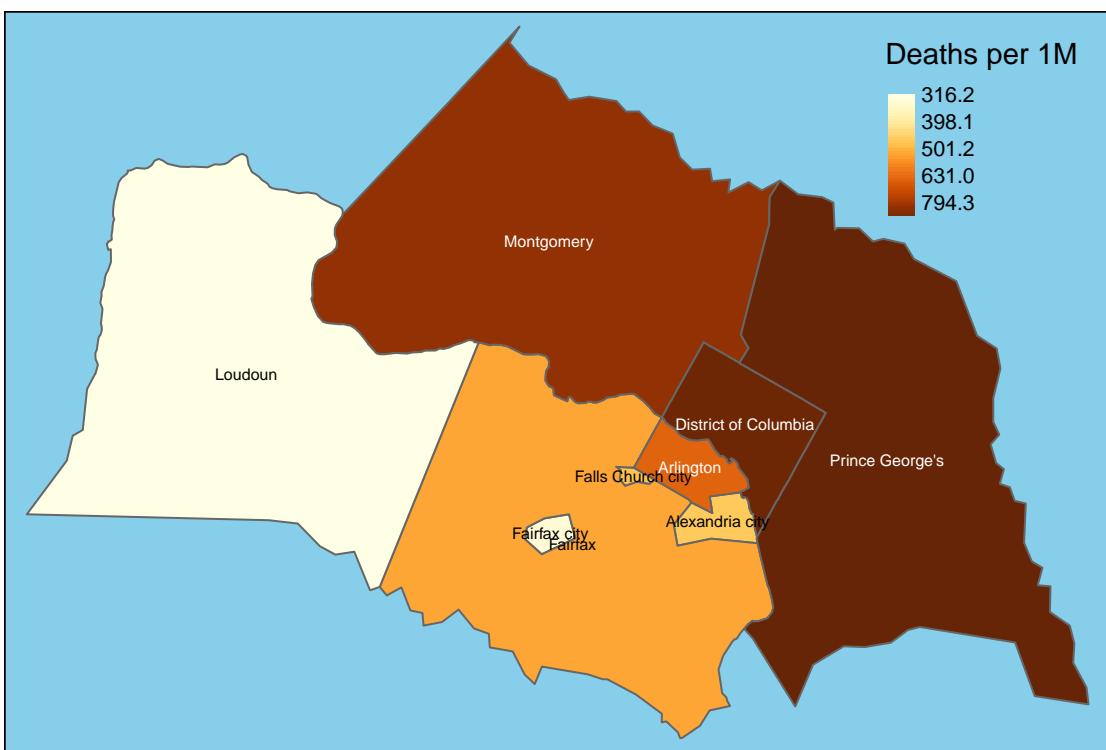
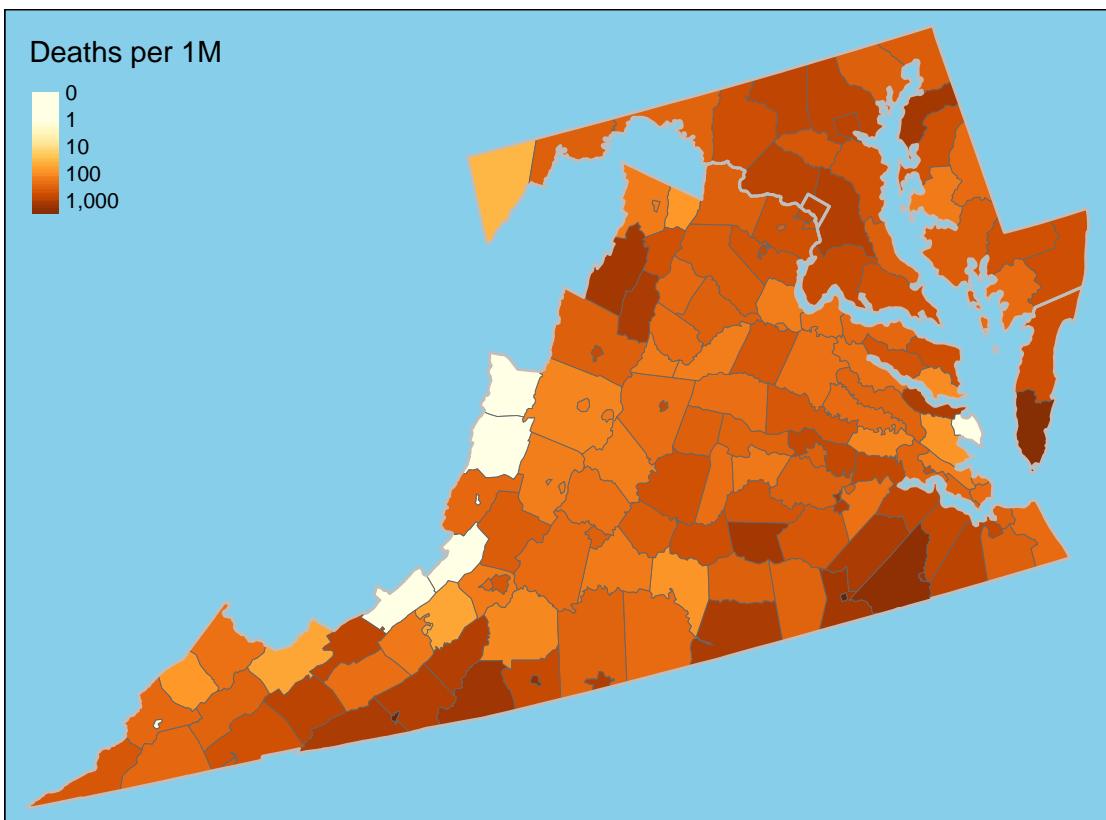


New Deaths

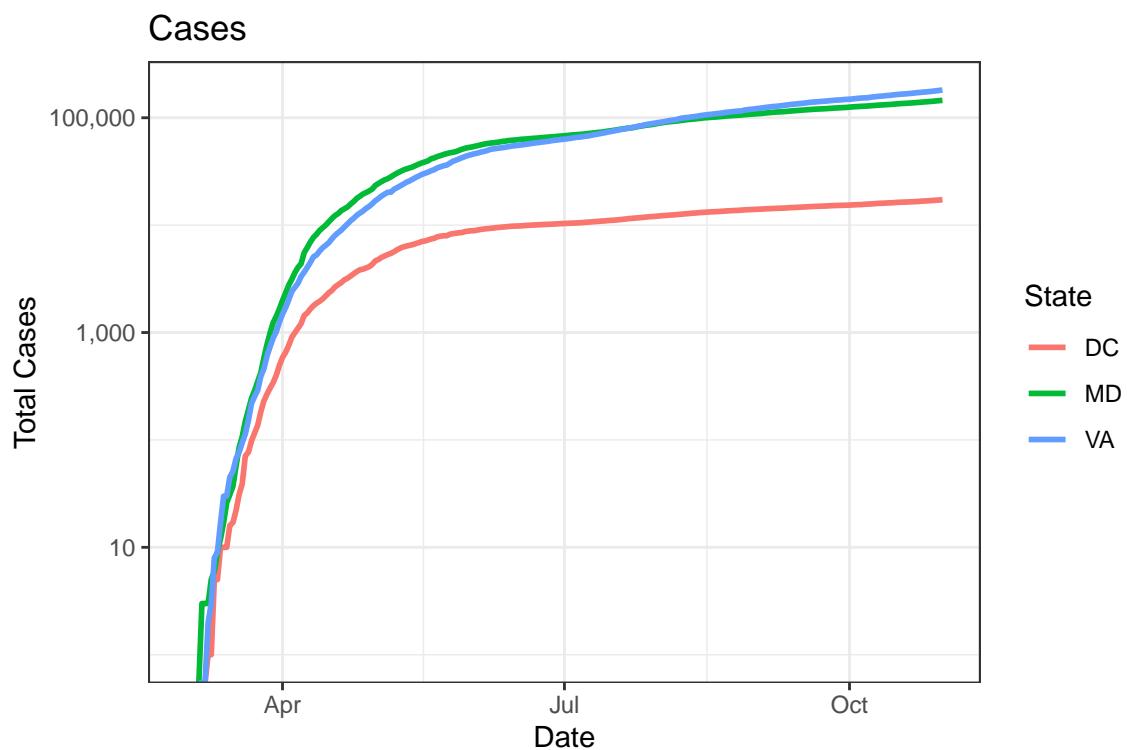


One-Week Change in Daily Deaths

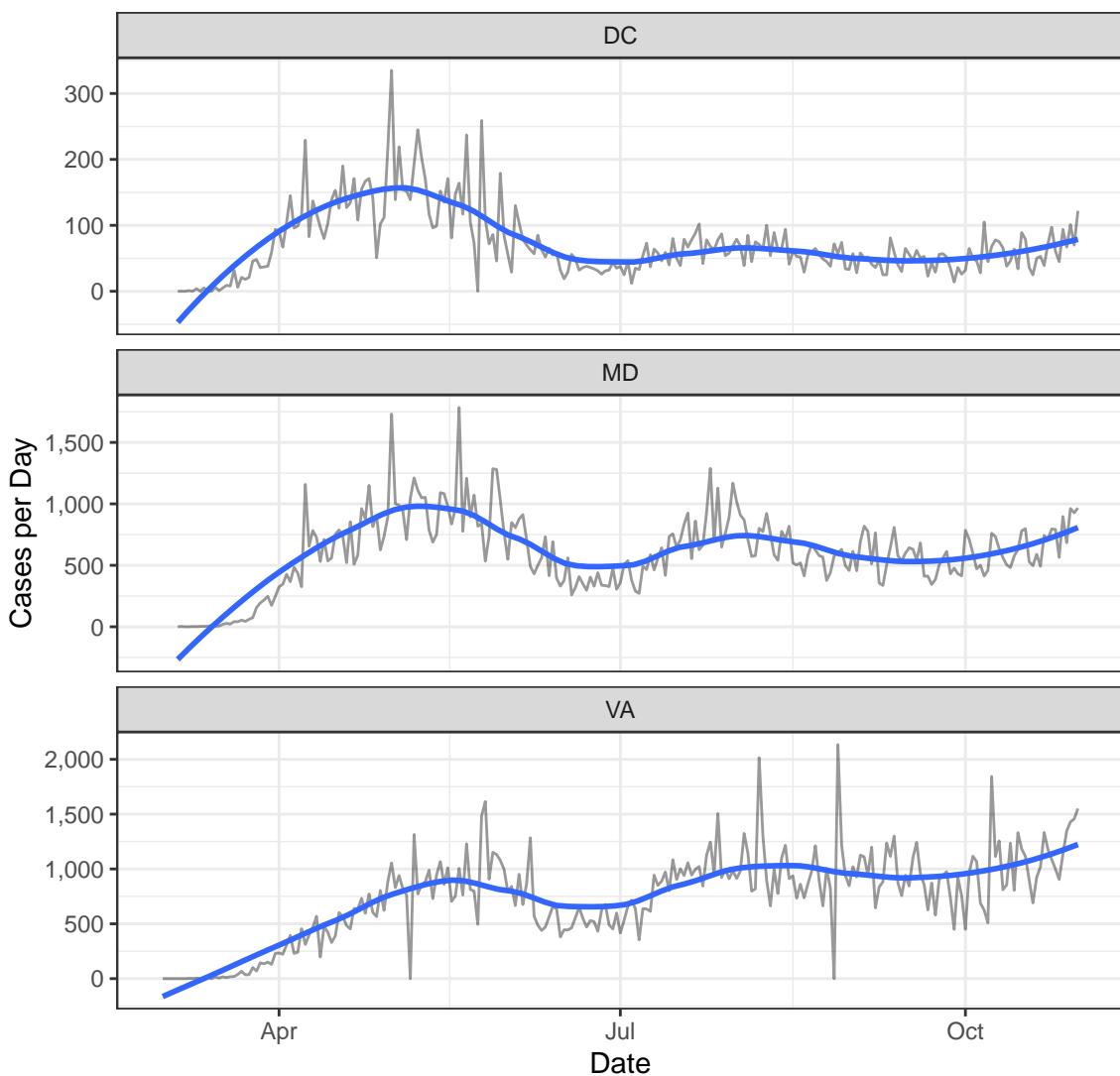




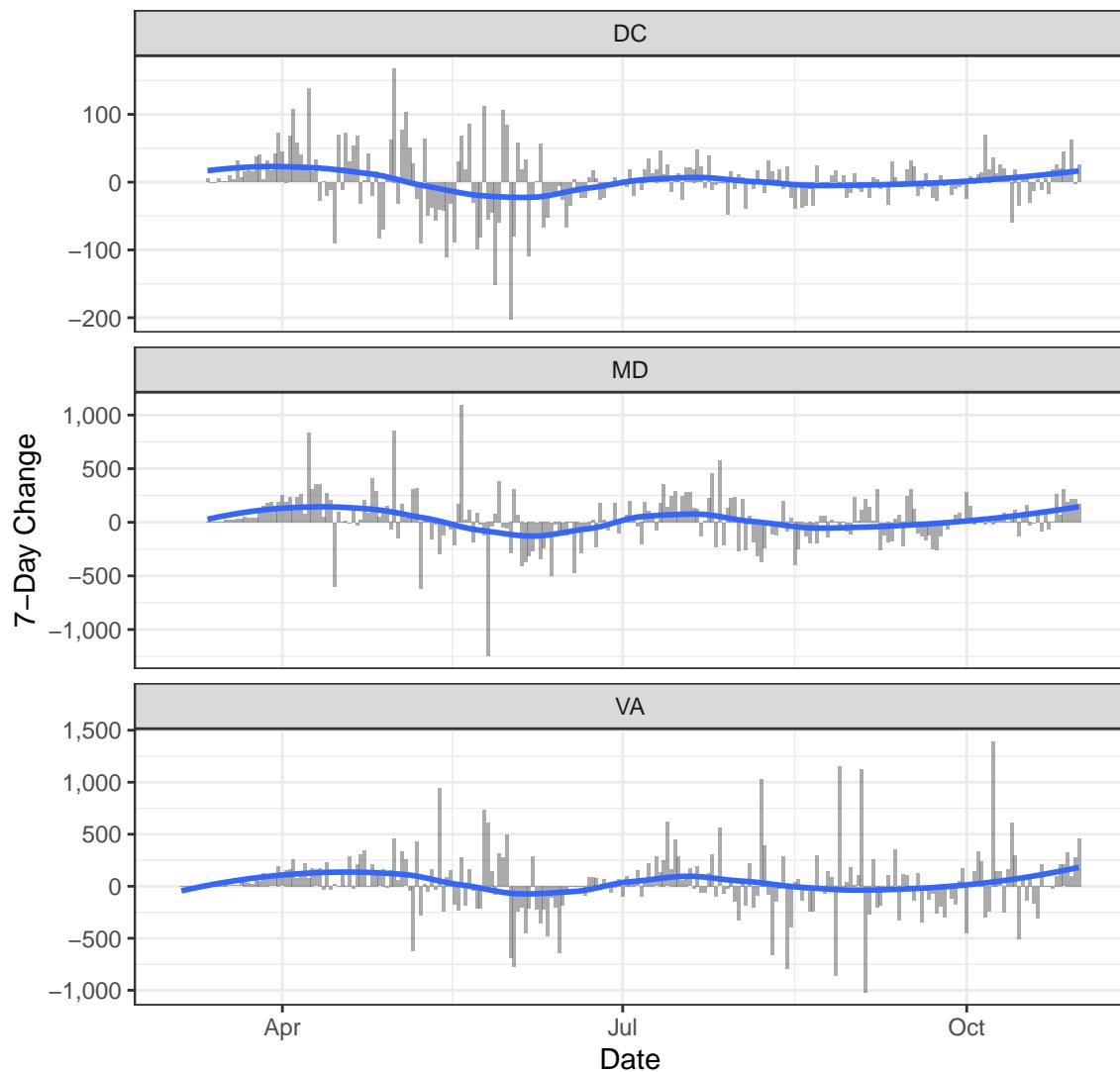
Cases

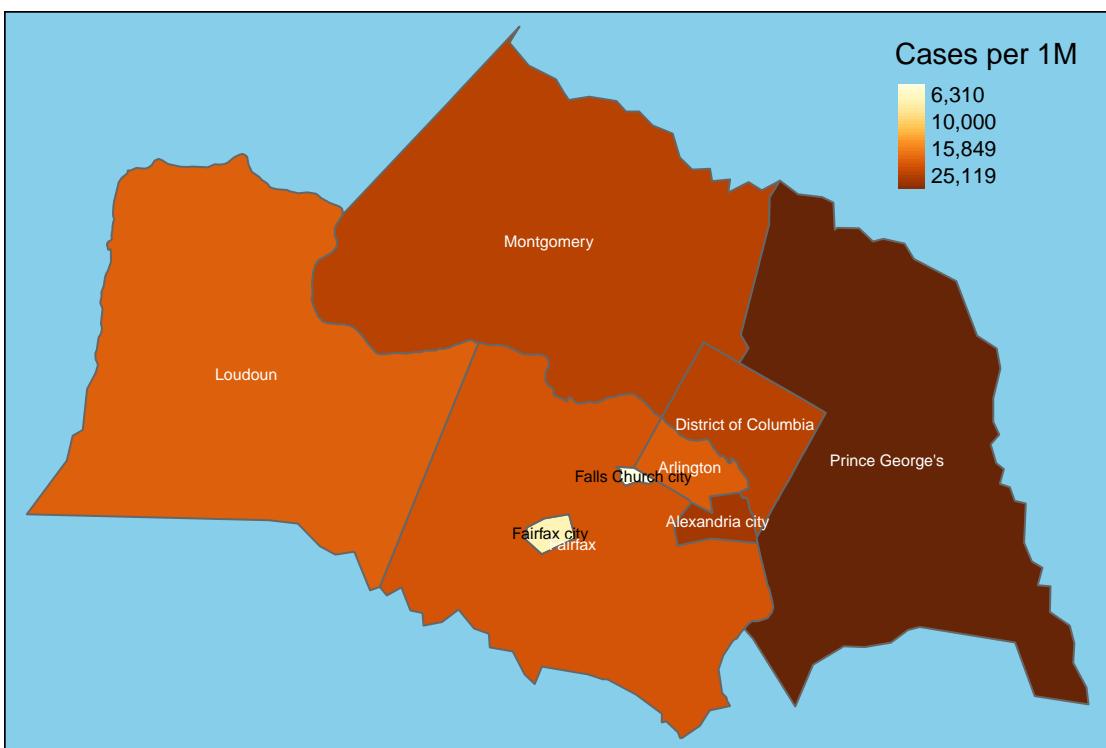
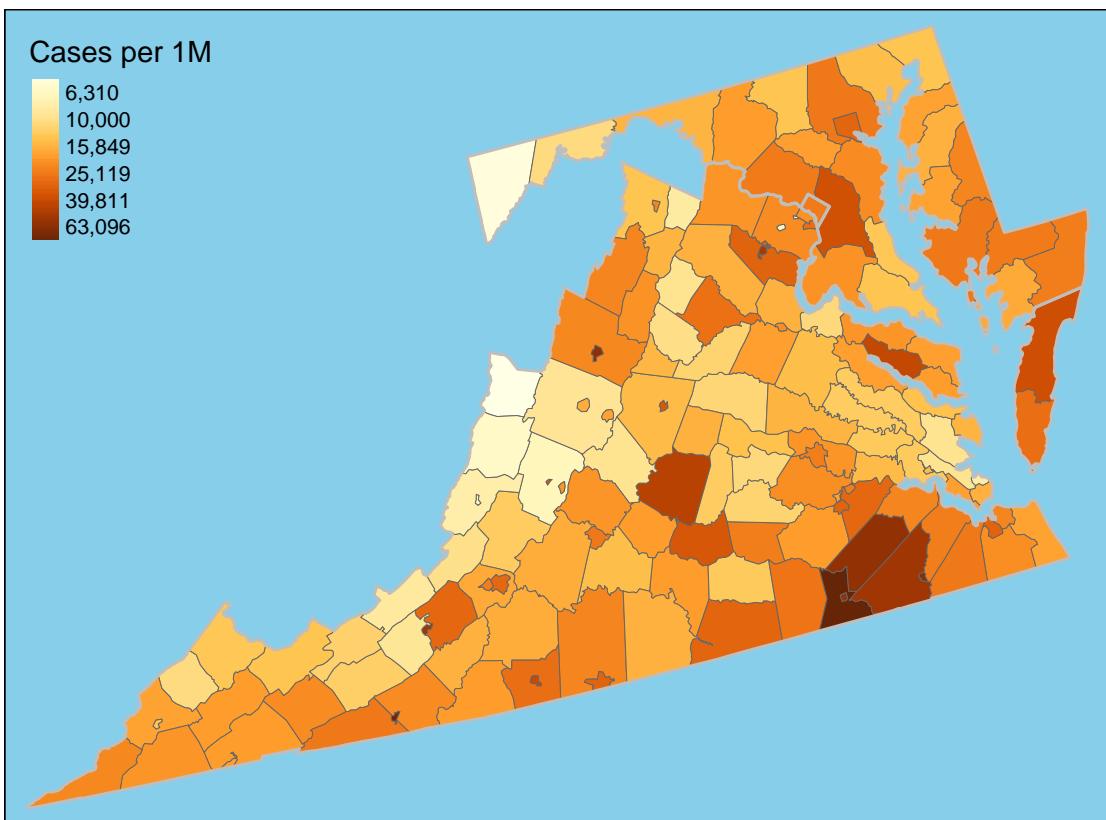


New Cases

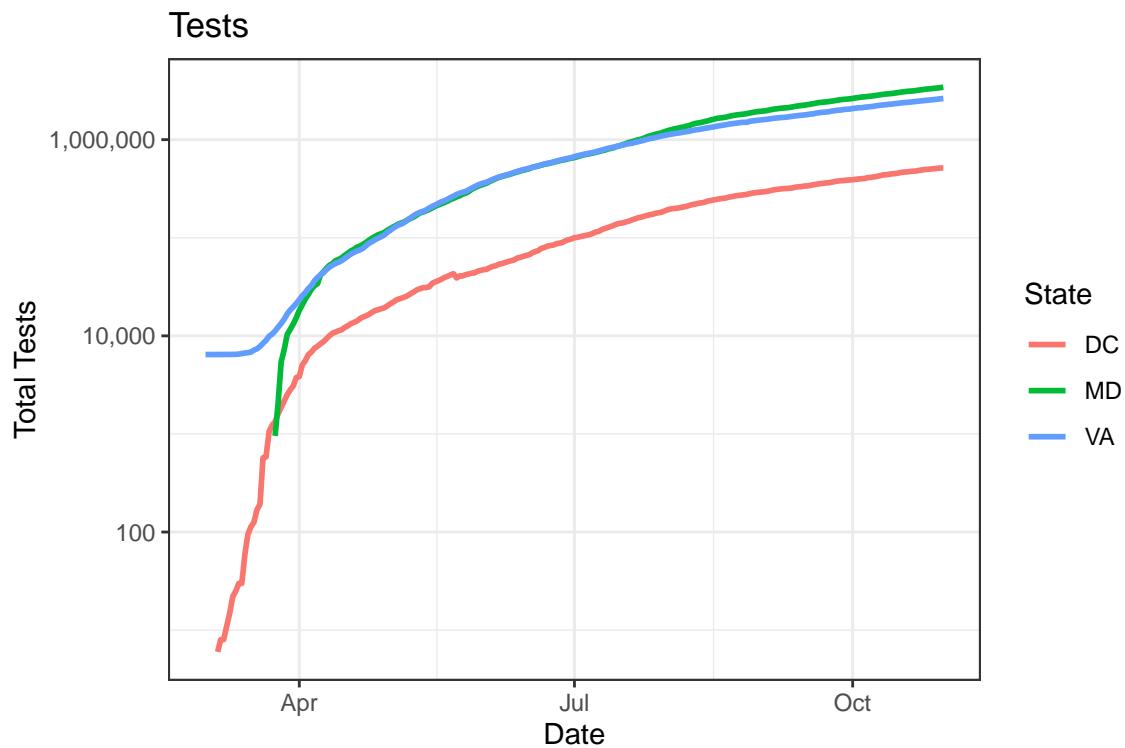


One-Week Change in Daily Cases

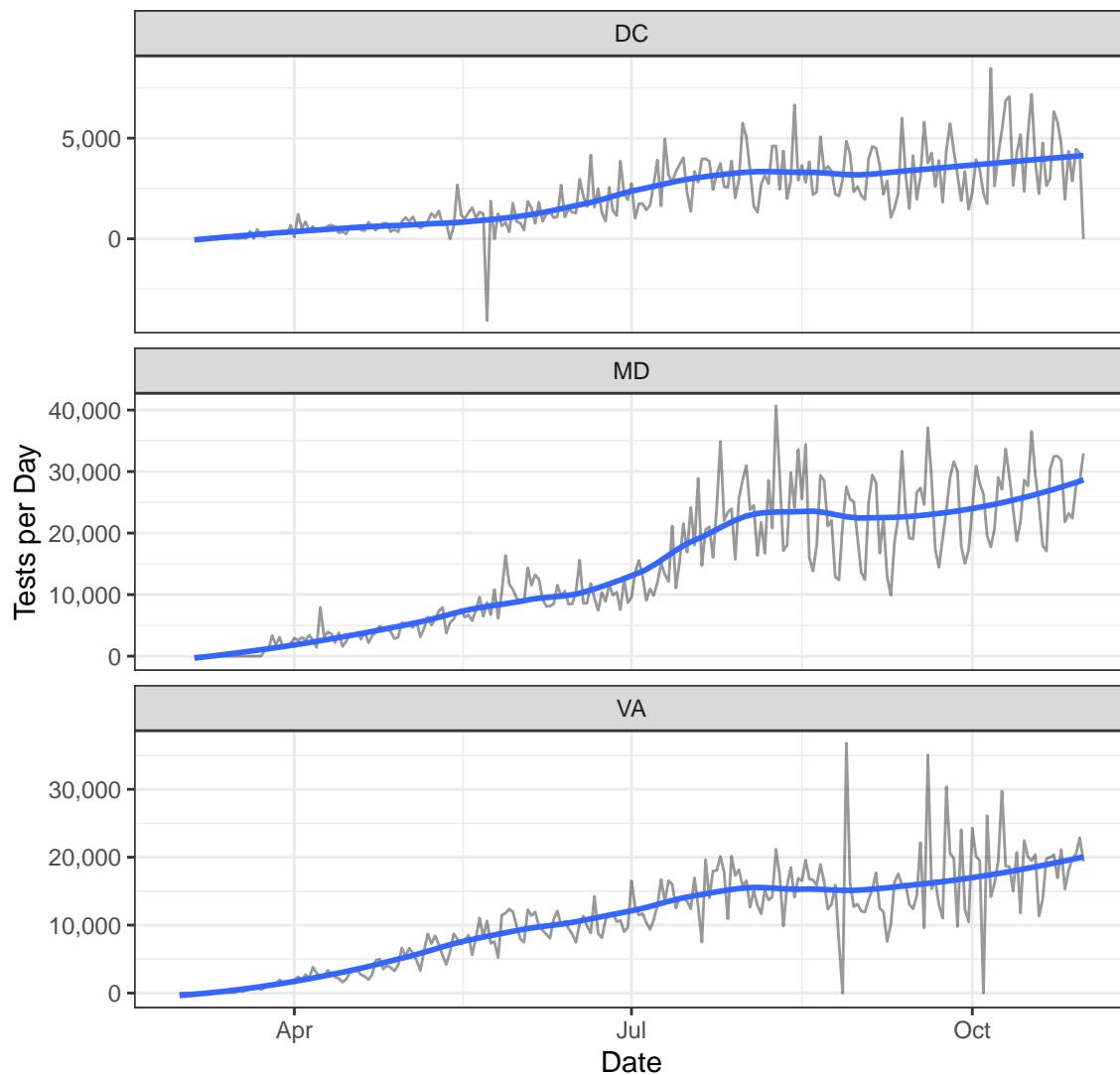




Testing



New Tests



Positive Test Rate

