

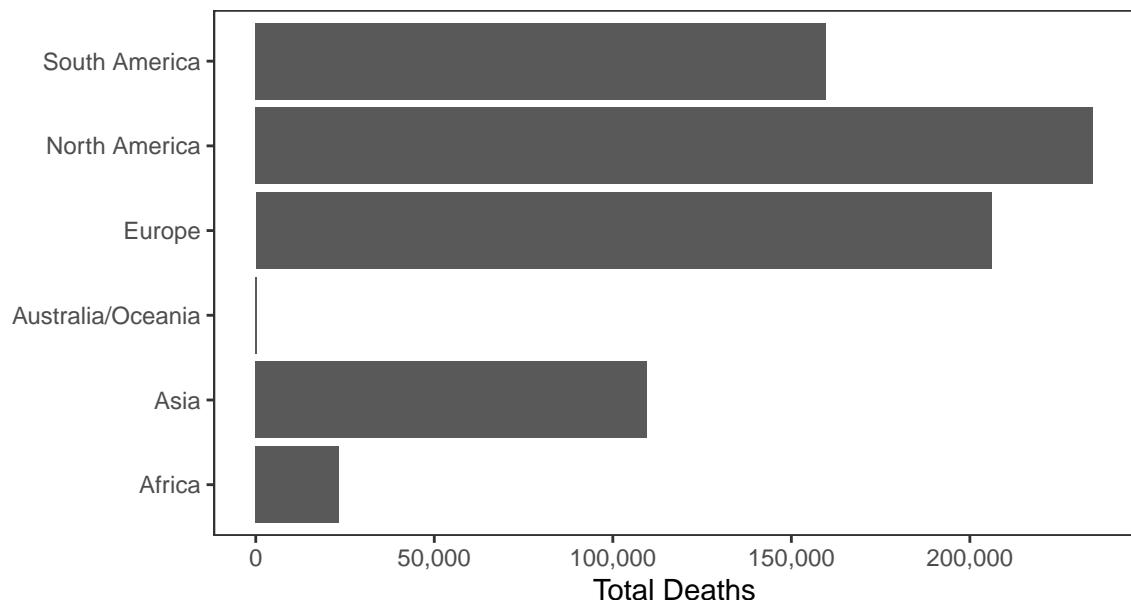
Erik's Covid-19 Chart Pack

Data updated 2020-08-10 19:18:54. 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 20,029,033 confirmed Covid-19 cases and 733,558 deaths worldwide.

Deaths



Cases

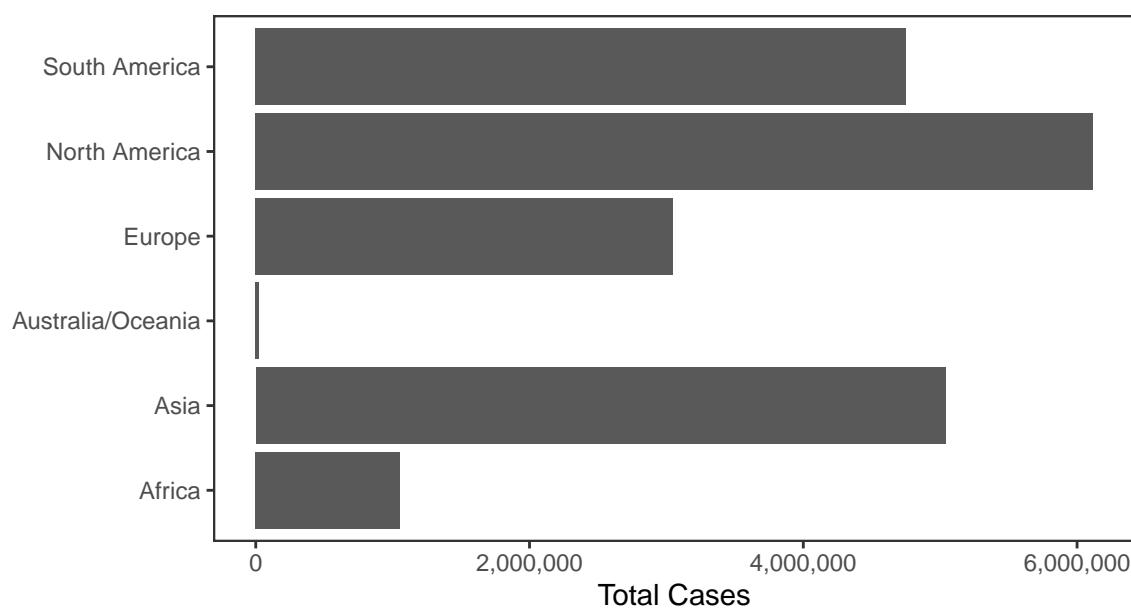
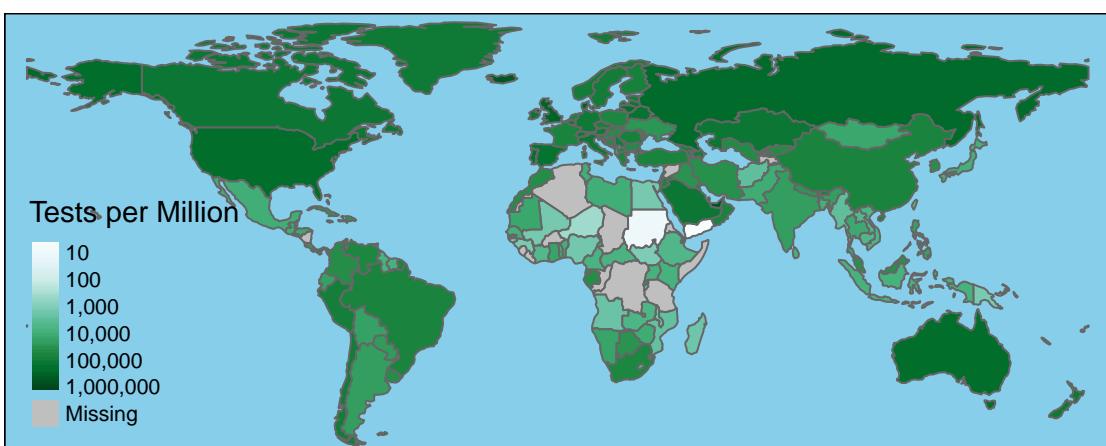
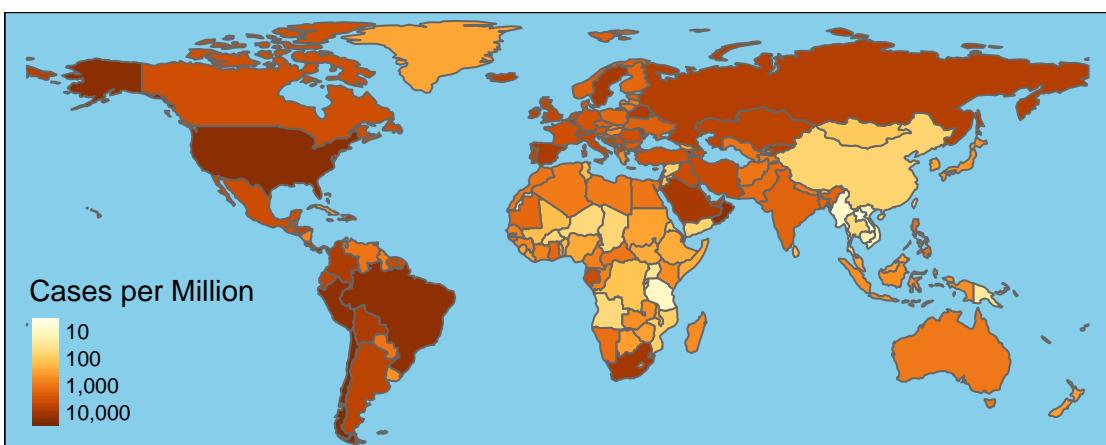
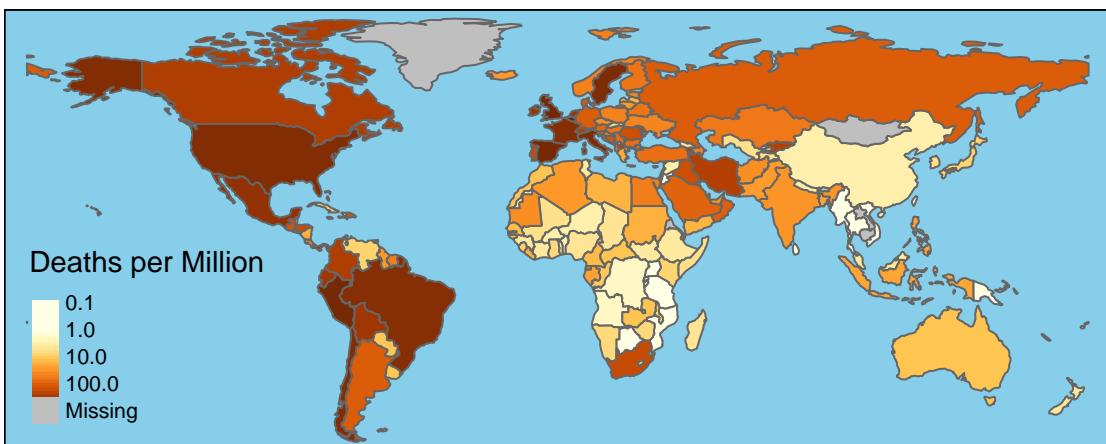


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	5,201,646	165,623	47,979	534
Brazil	3,035,582	101,136	22,213	593
India	2,214,137	44,466	62,117	1,013
Russia	887,536	14,931	5,189	77
South Africa	559,859	10,408	6,671	198
Peru	478,024	21,072	7,012	228
Mexico	475,902	52,006	6,495	695
Colombia	387,481	12,842	10,611	302
Chile	373,056	10,077	2,033	66
Spain	367,187	28,503	2,873	0
Iran	326,712	18,427	2,020	163
UK	310,825	46,505	1,062	8
Saudi Arabia	288,690	3,167	1,428	37
Pakistan	284,121	6,082	634	14
Bangladesh	257,600	3,399	2,487	34
Italy	250,566	35,205	463	2
Argentina	246,499	4,606	4,688	83
Turkey	240,804	5,844	1,182	15
Germany	217,281	9,260	385	0
France	201,990	30,326	2,034	1



National Data

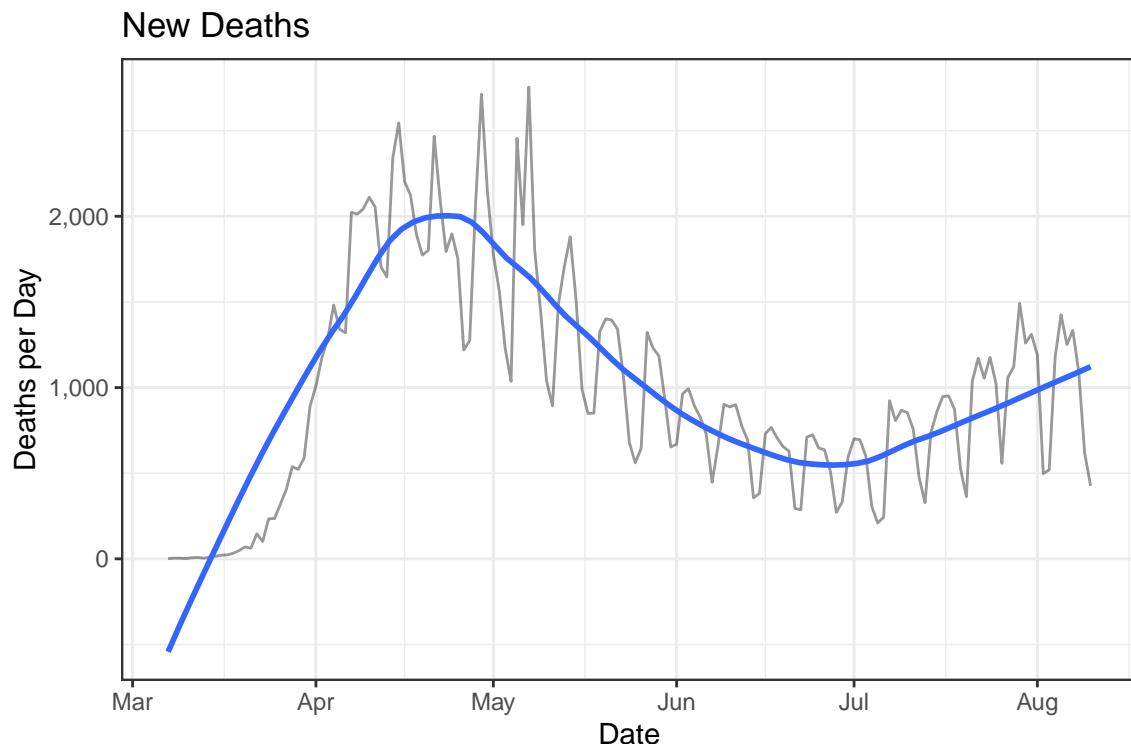
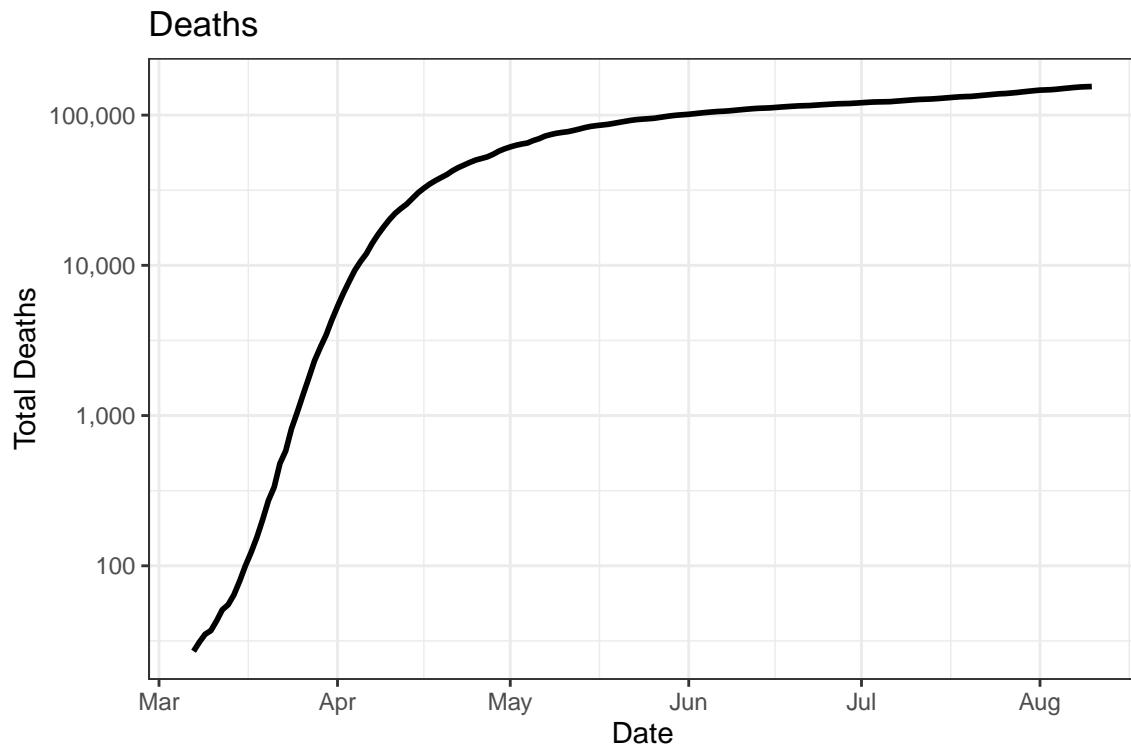
There have been 5,060,880 confirmed Covid-19 cases and 154,947 deaths in the United States.

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

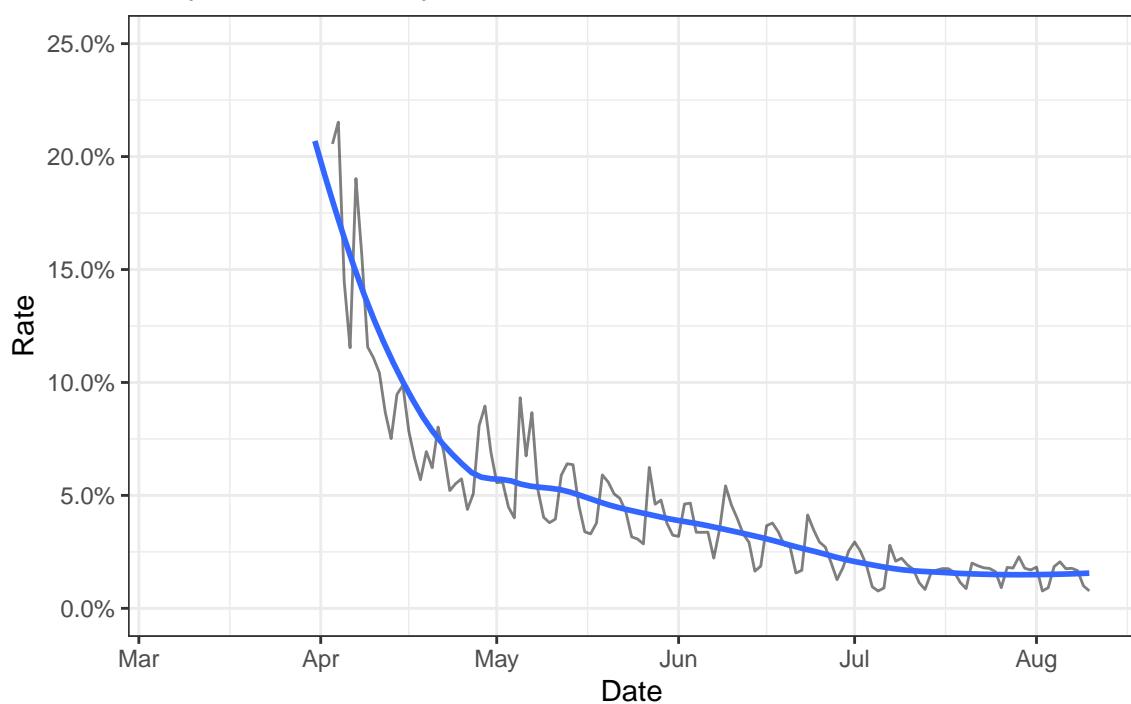
Date	Cases	Deaths	New Cases	New Deaths
2020-08-10	5,060,880	154,947	41,807	426
2020-08-09	5,019,073	154,521	51,319	616
2020-08-08	4,967,754	153,905	54,091	1,089
2020-08-07	4,913,663	152,816	61,520	1,333
2020-08-06	4,852,143	151,483	54,184	1,251
2020-08-05	4,797,959	150,232	52,265	1,425
2020-08-04	4,745,694	148,807	51,568	1,176
2020-08-03	4,694,126	147,631	49,561	519
2020-08-02	4,644,565	147,112	48,266	498
2020-08-01	4,596,299	146,614	60,692	1,189
2020-07-31	4,535,607	145,425	67,755	1,311
2020-07-30	4,467,852	144,114	69,466	1,259
2020-07-29	4,398,386	142,855	66,969	1,492
2020-07-28	4,331,417	141,363	56,229	1,121

Deaths

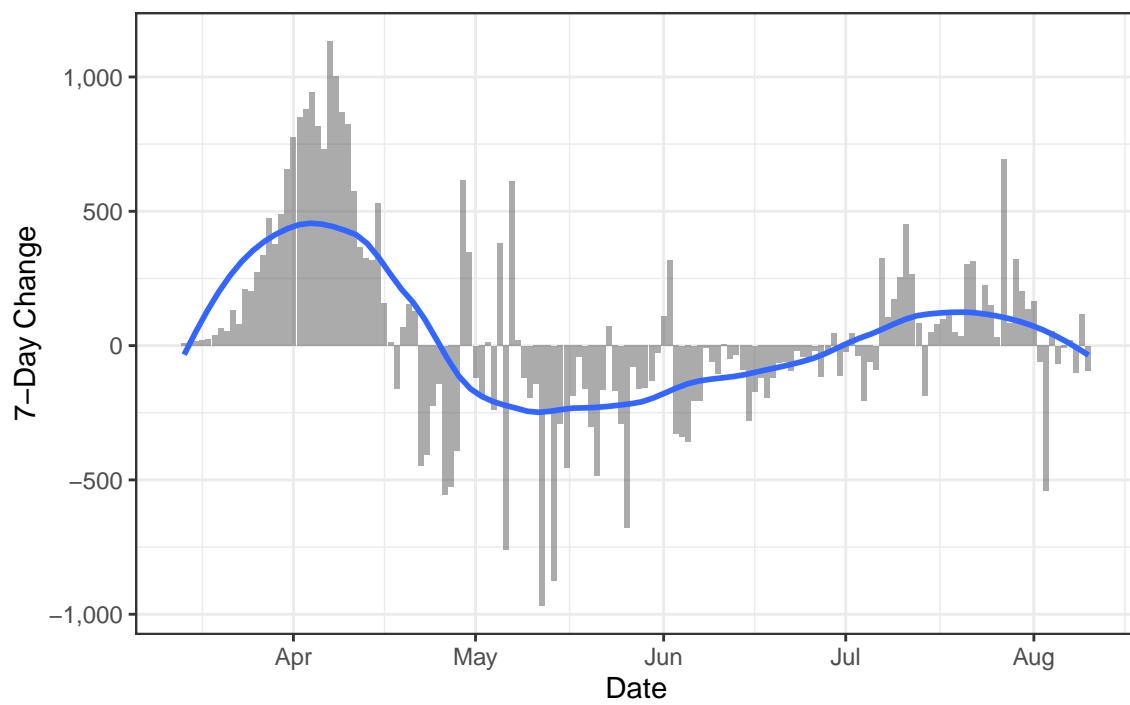
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

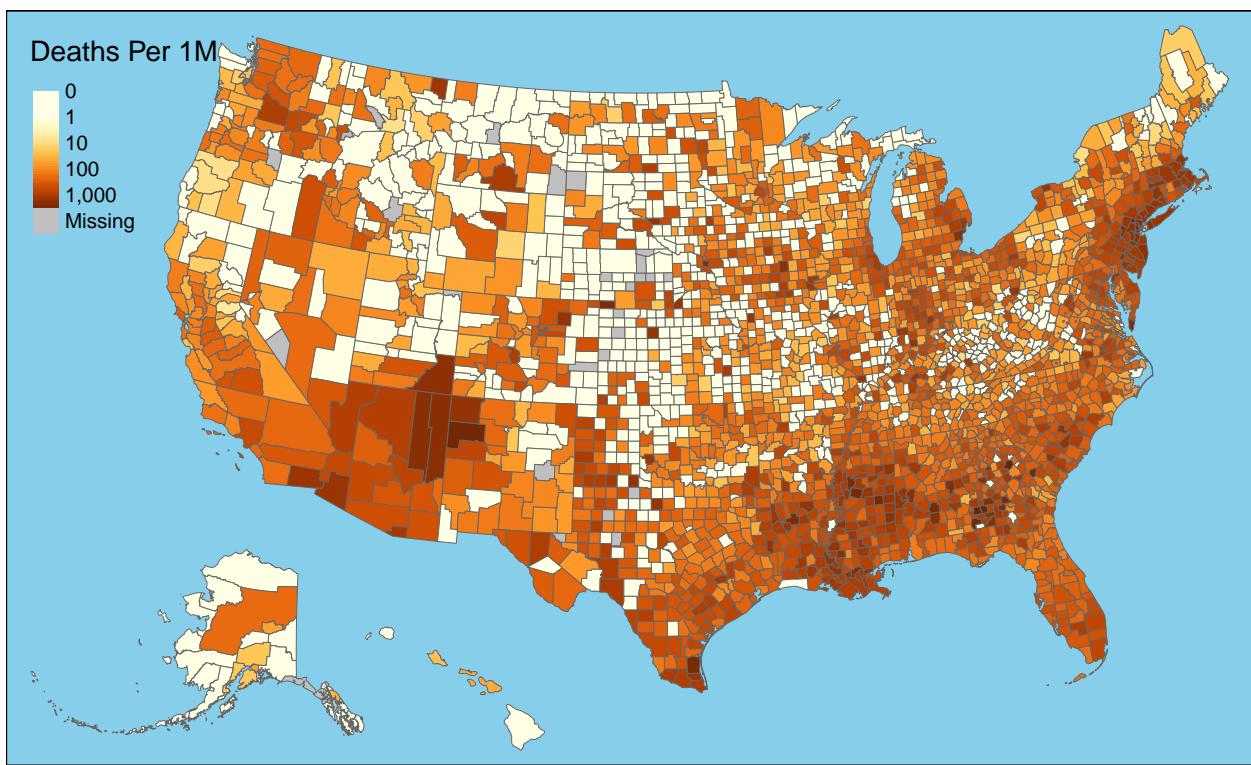


Daily Case Mortality Rate



One-Week Change in Daily Deaths

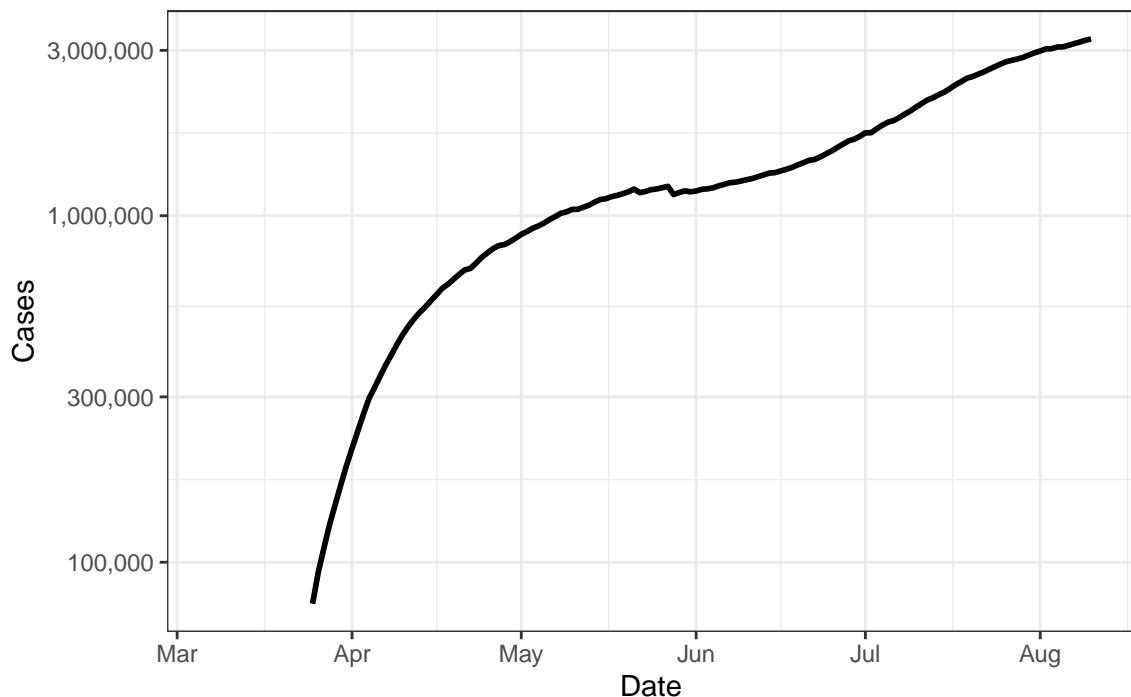




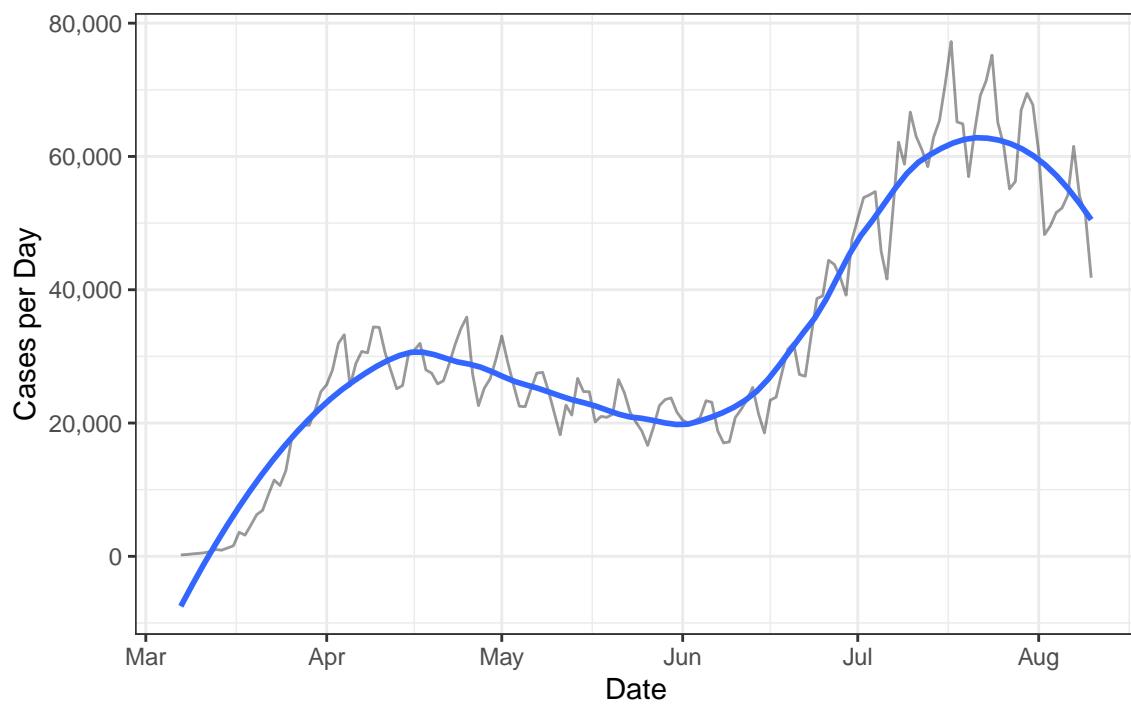
Cases

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

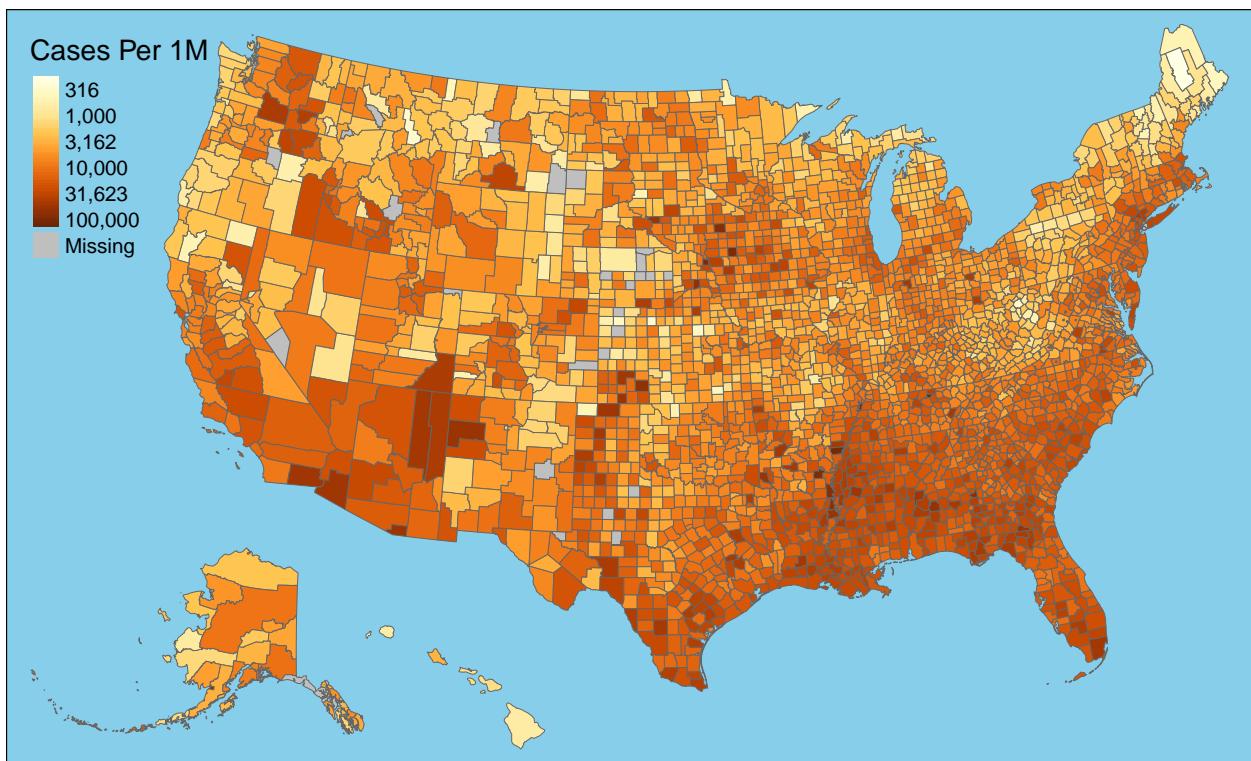
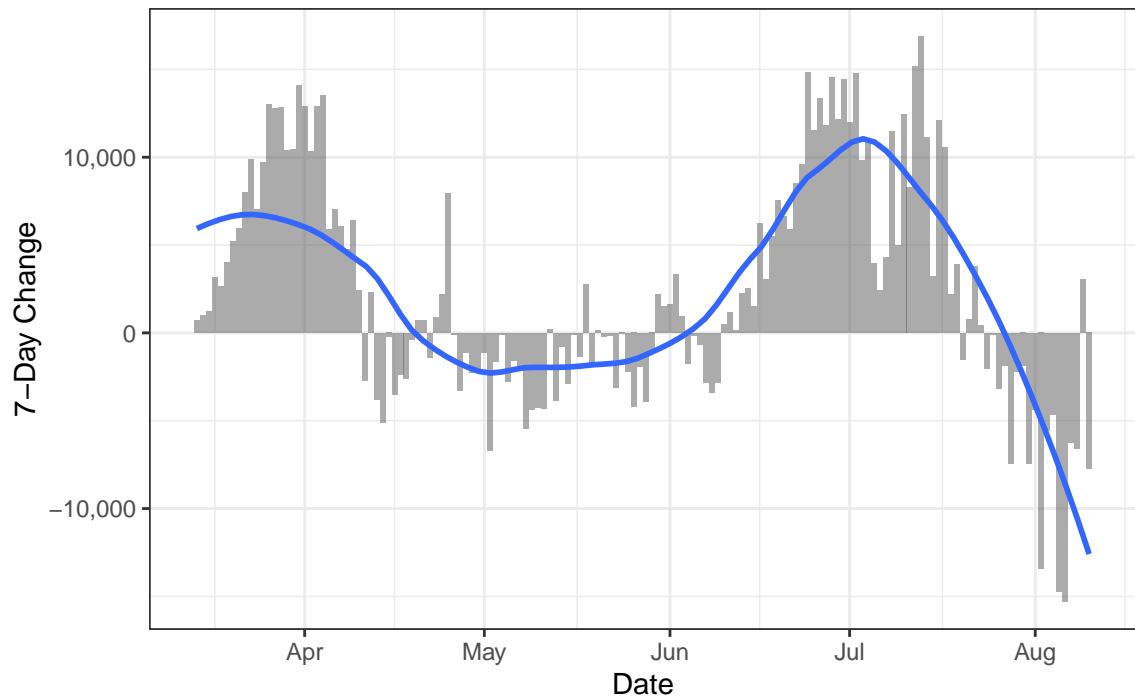
Active Cases



New Cases

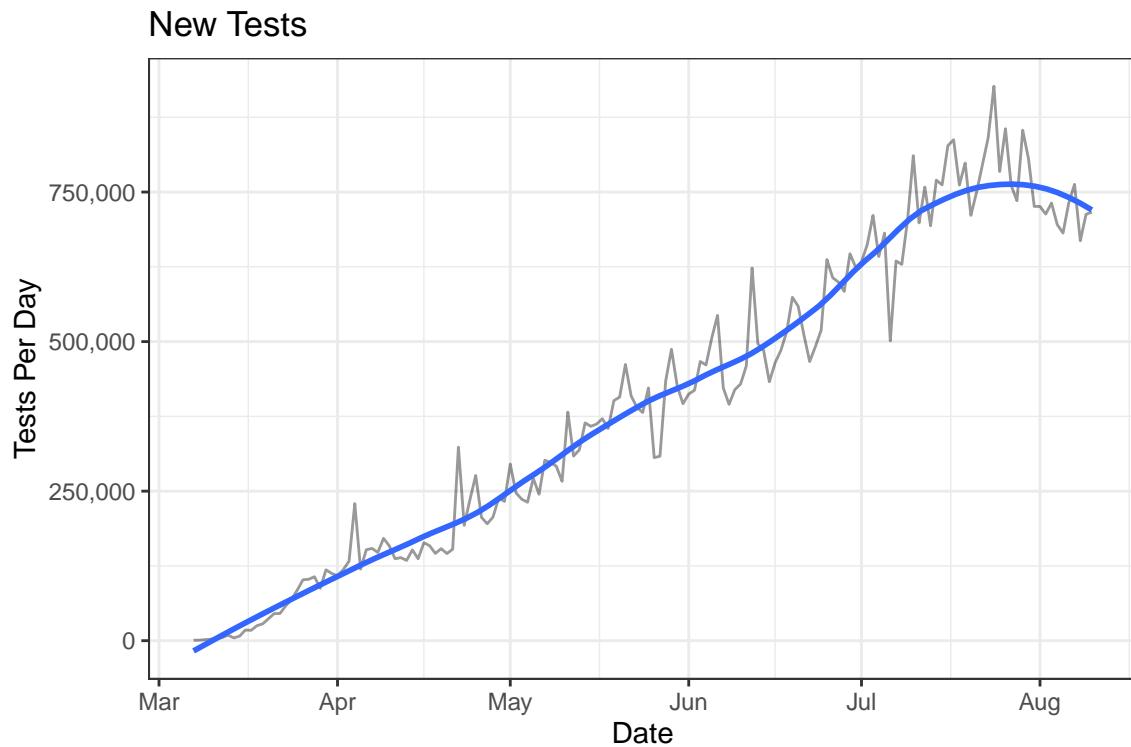
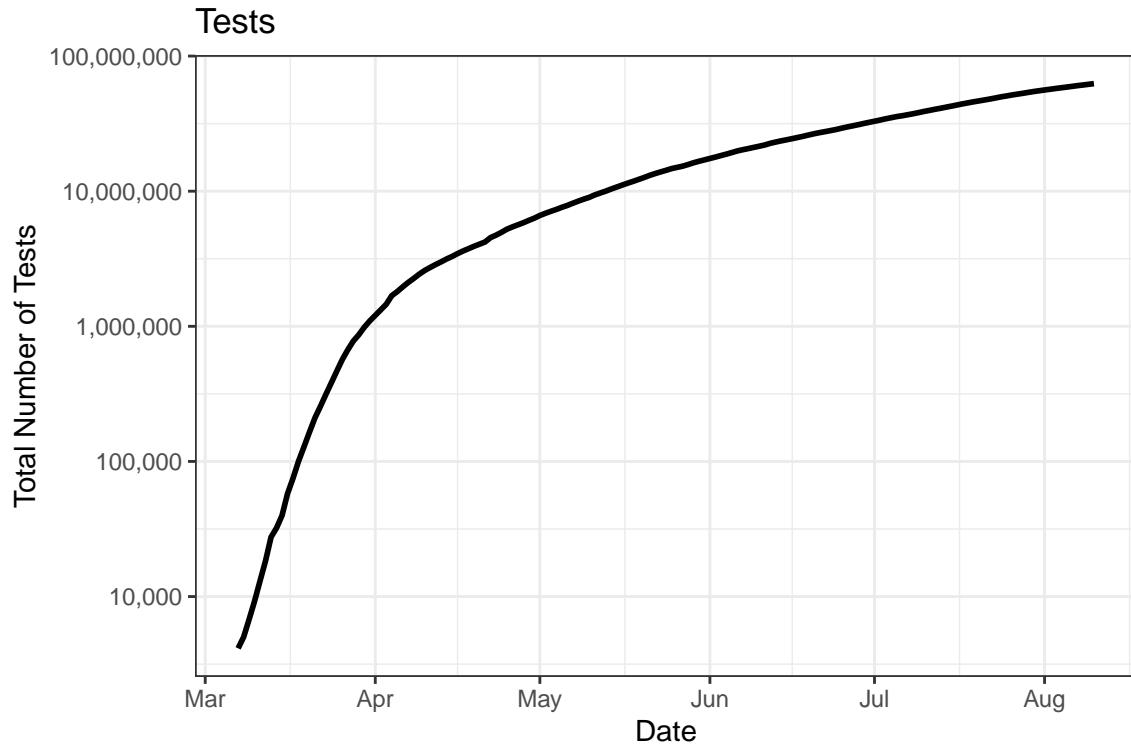


One-Week Change in Daily Cases

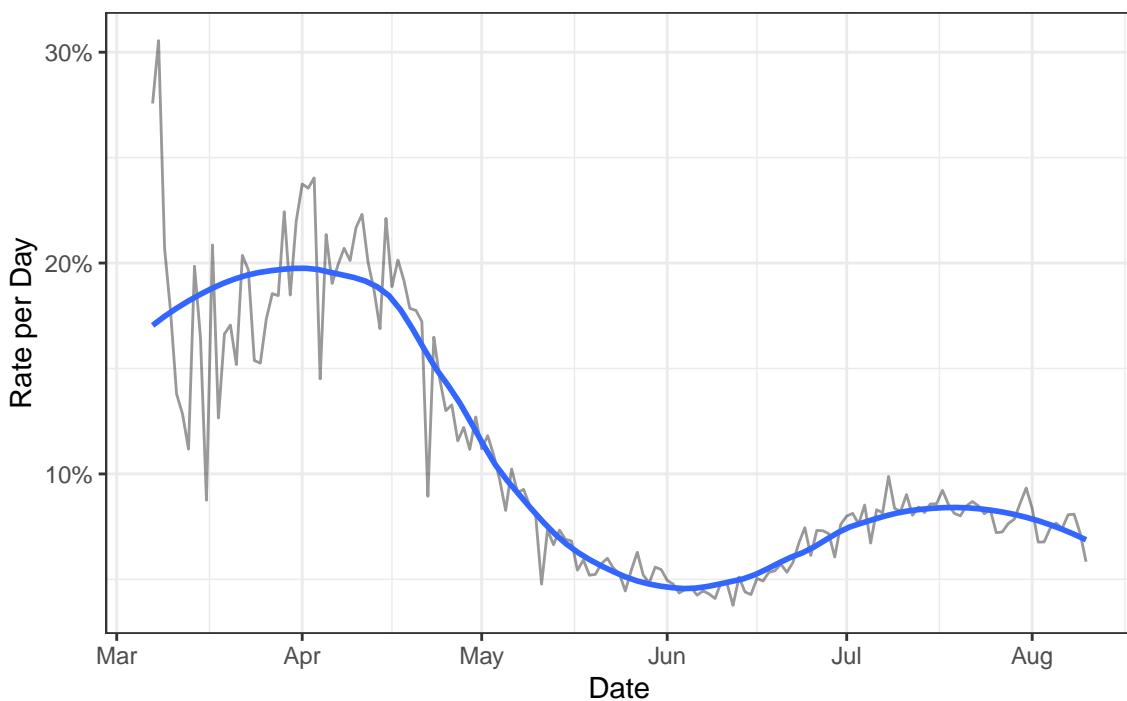


Testing

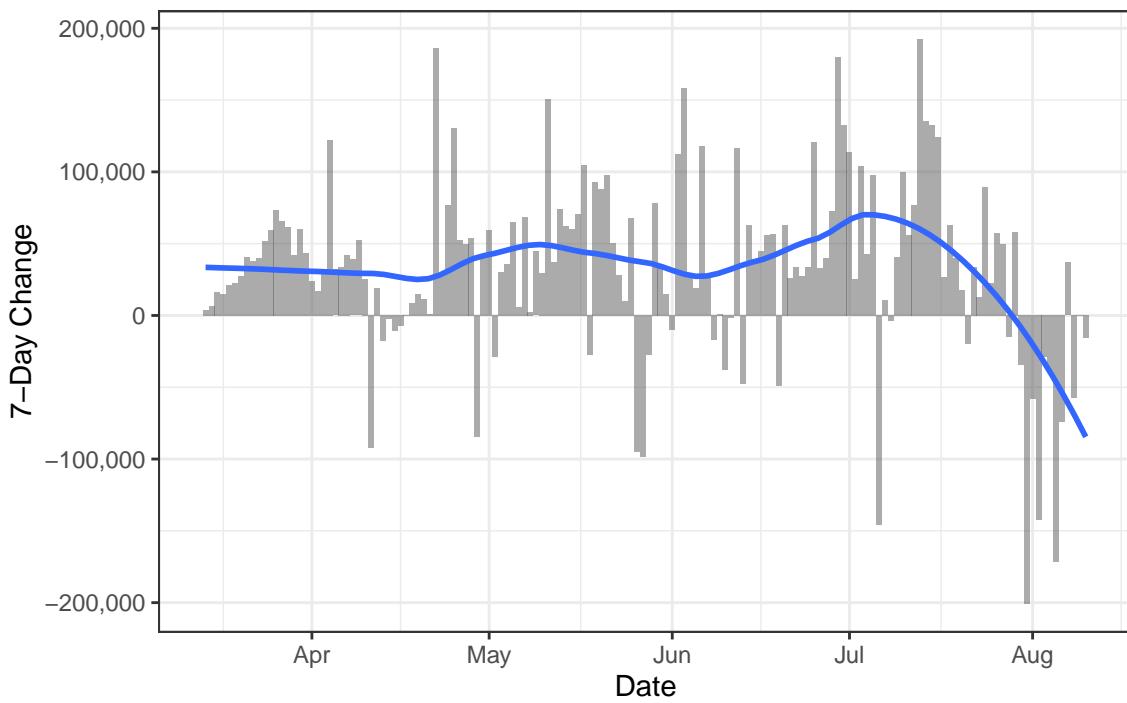
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

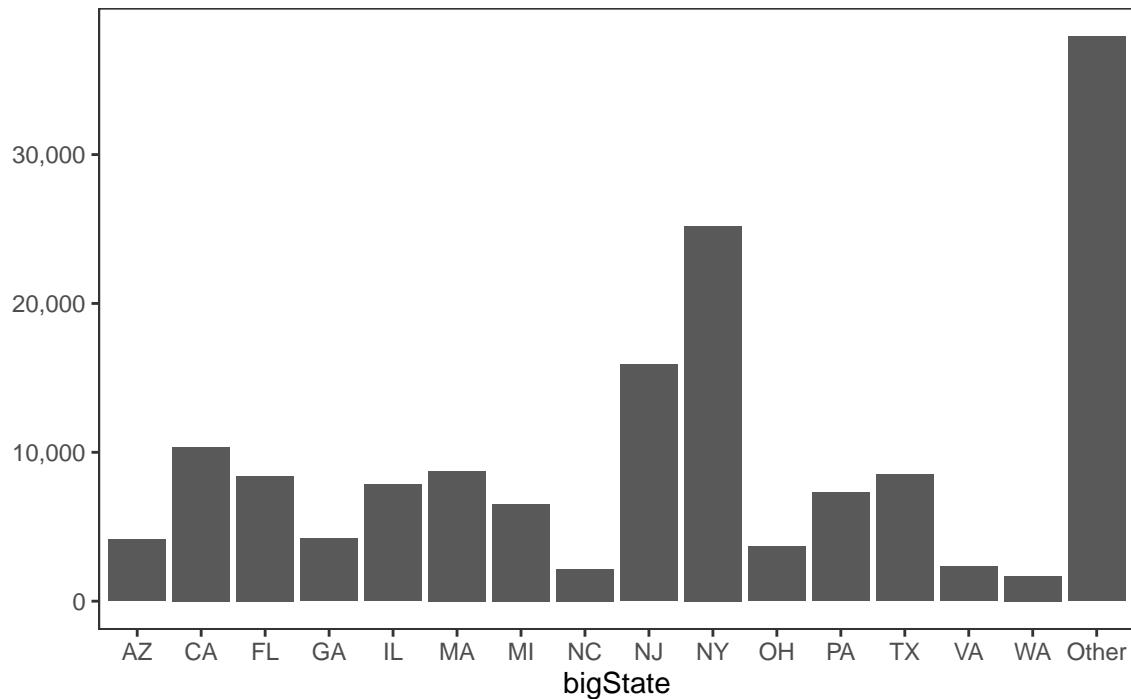


State Data

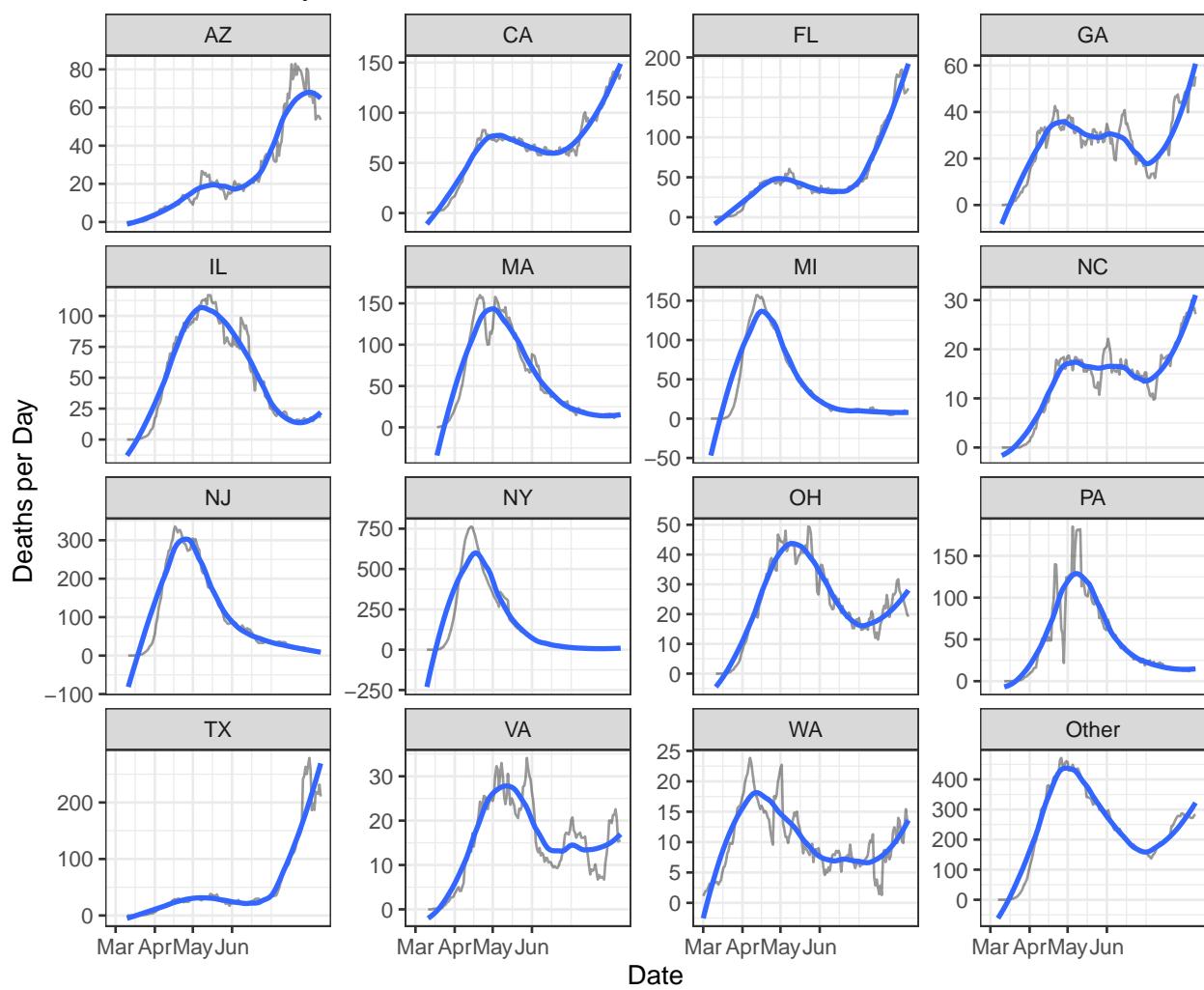
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

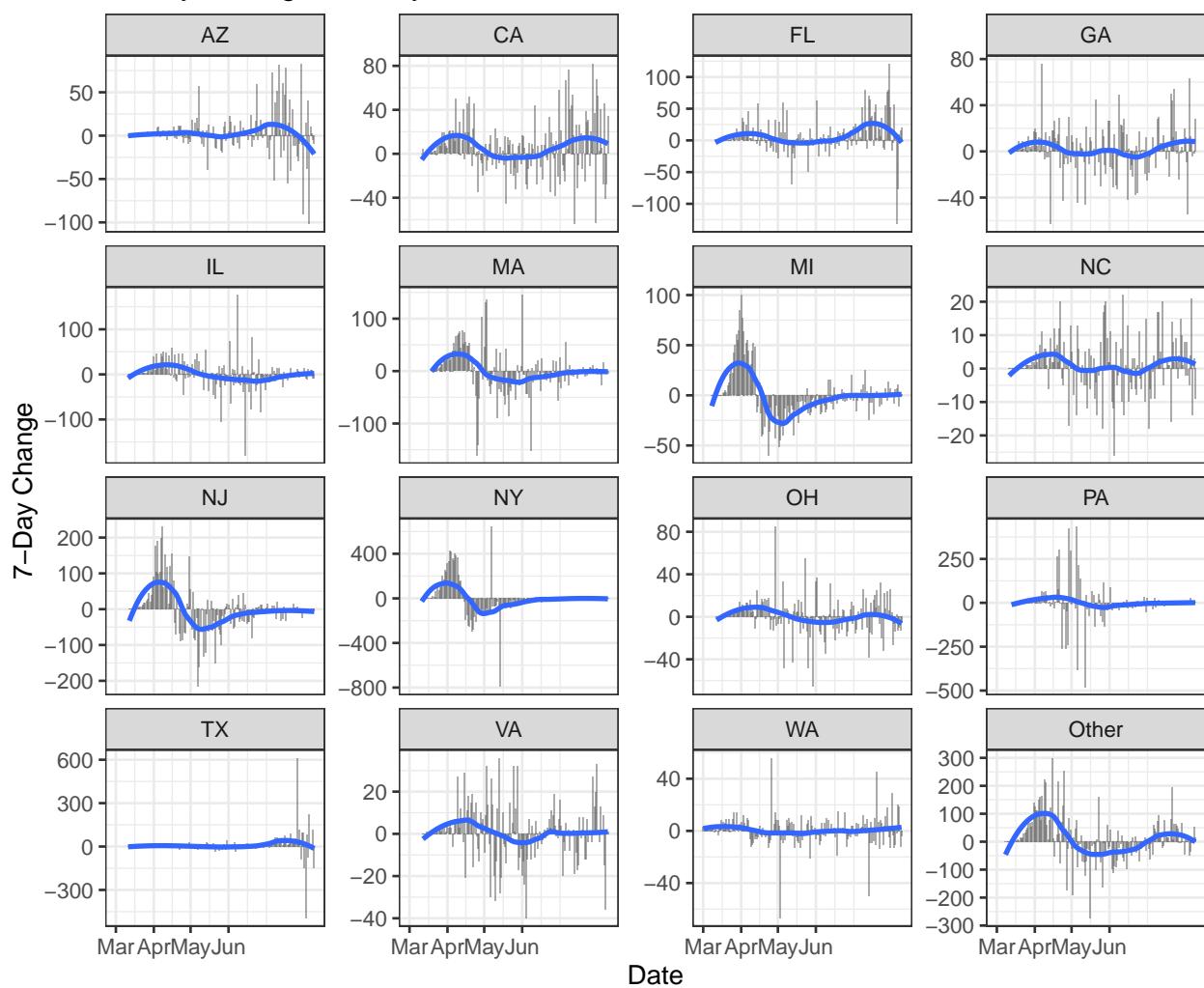
Deaths by State

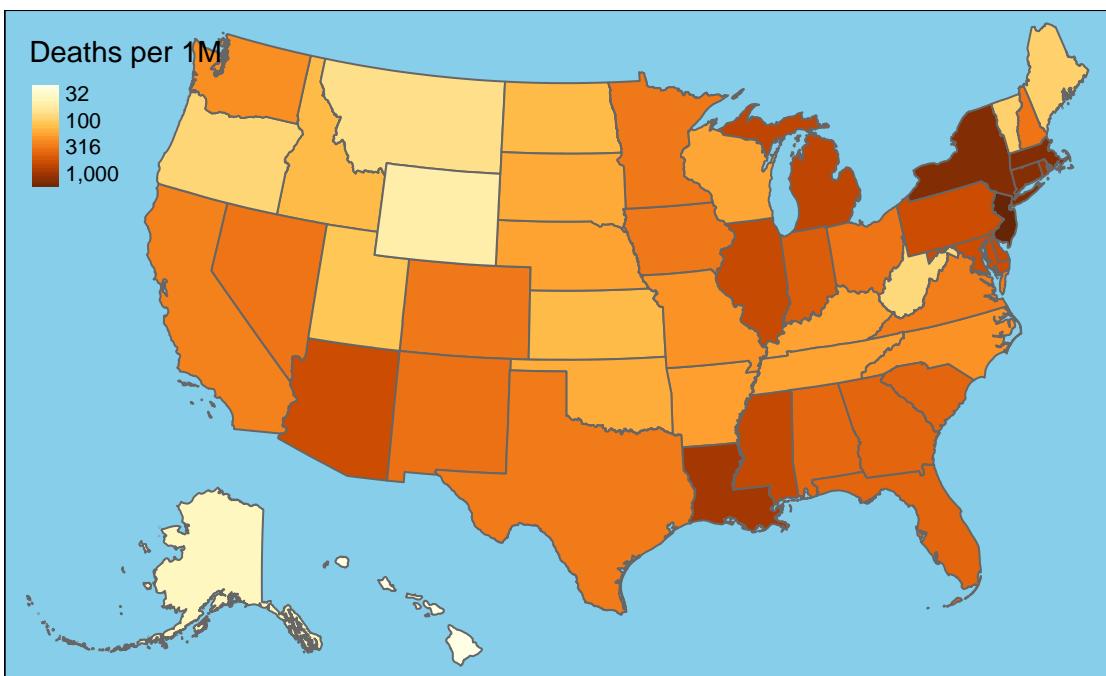
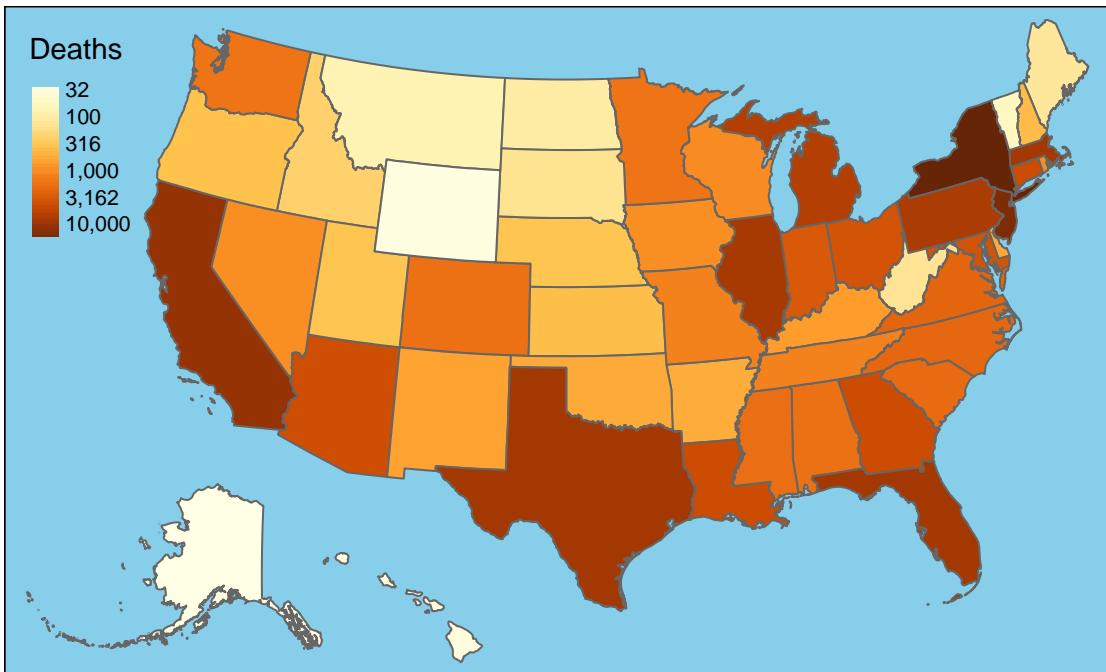


New Deaths by State



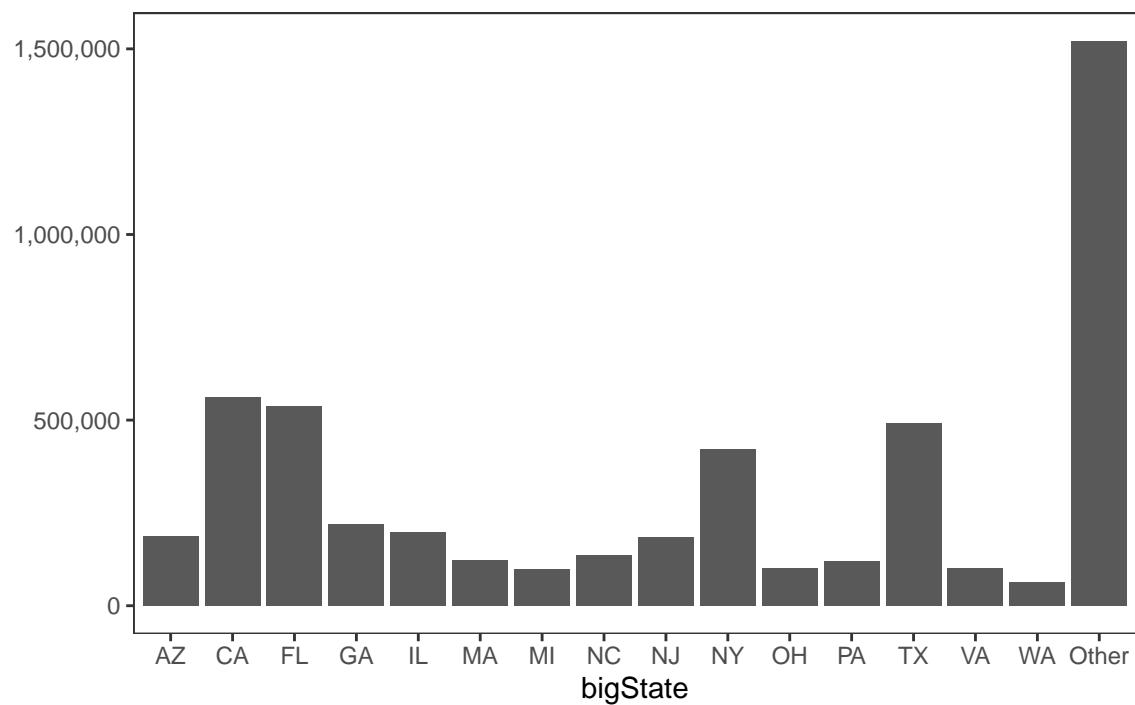
7-Day Change in Daily Deaths



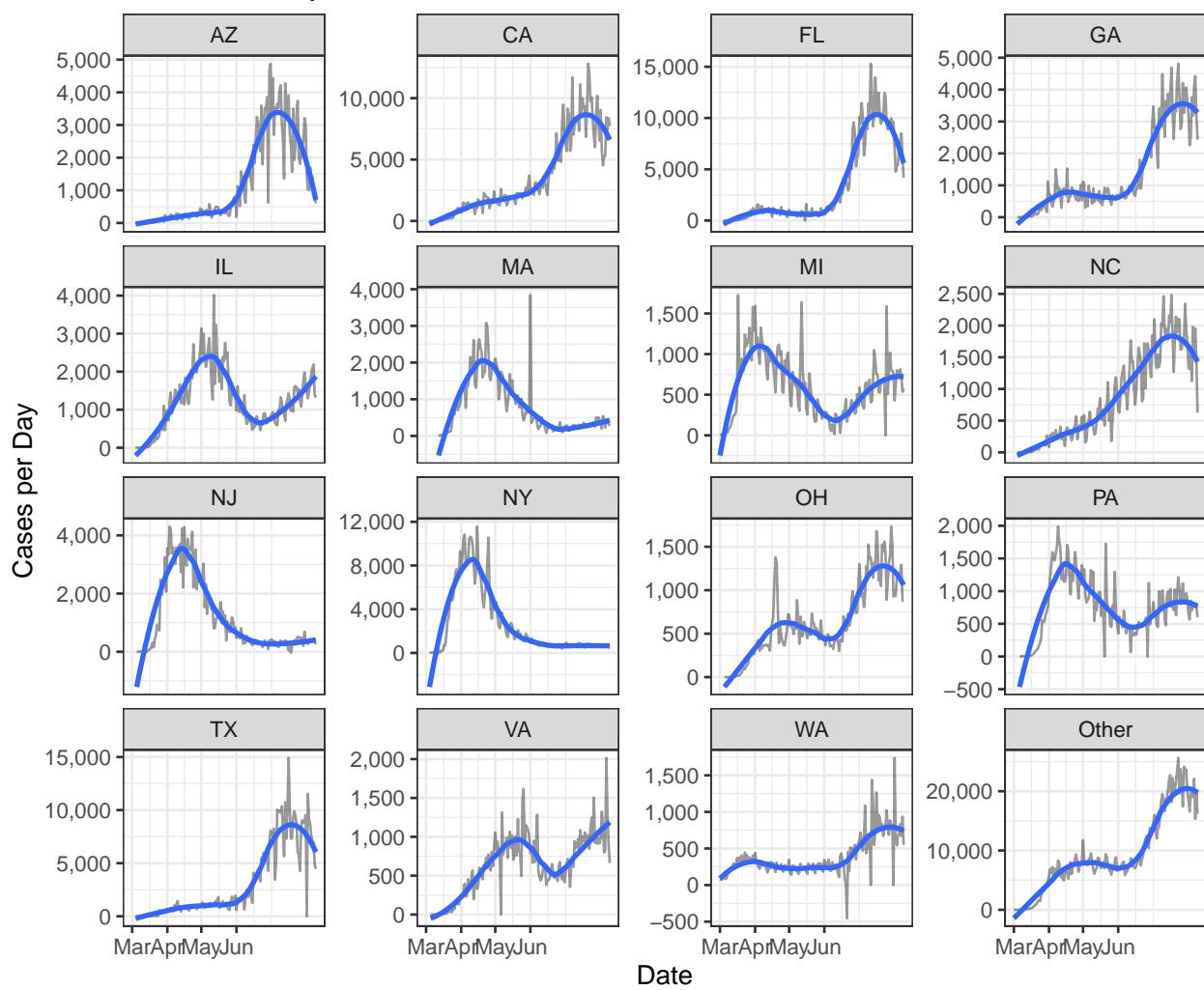


Cases

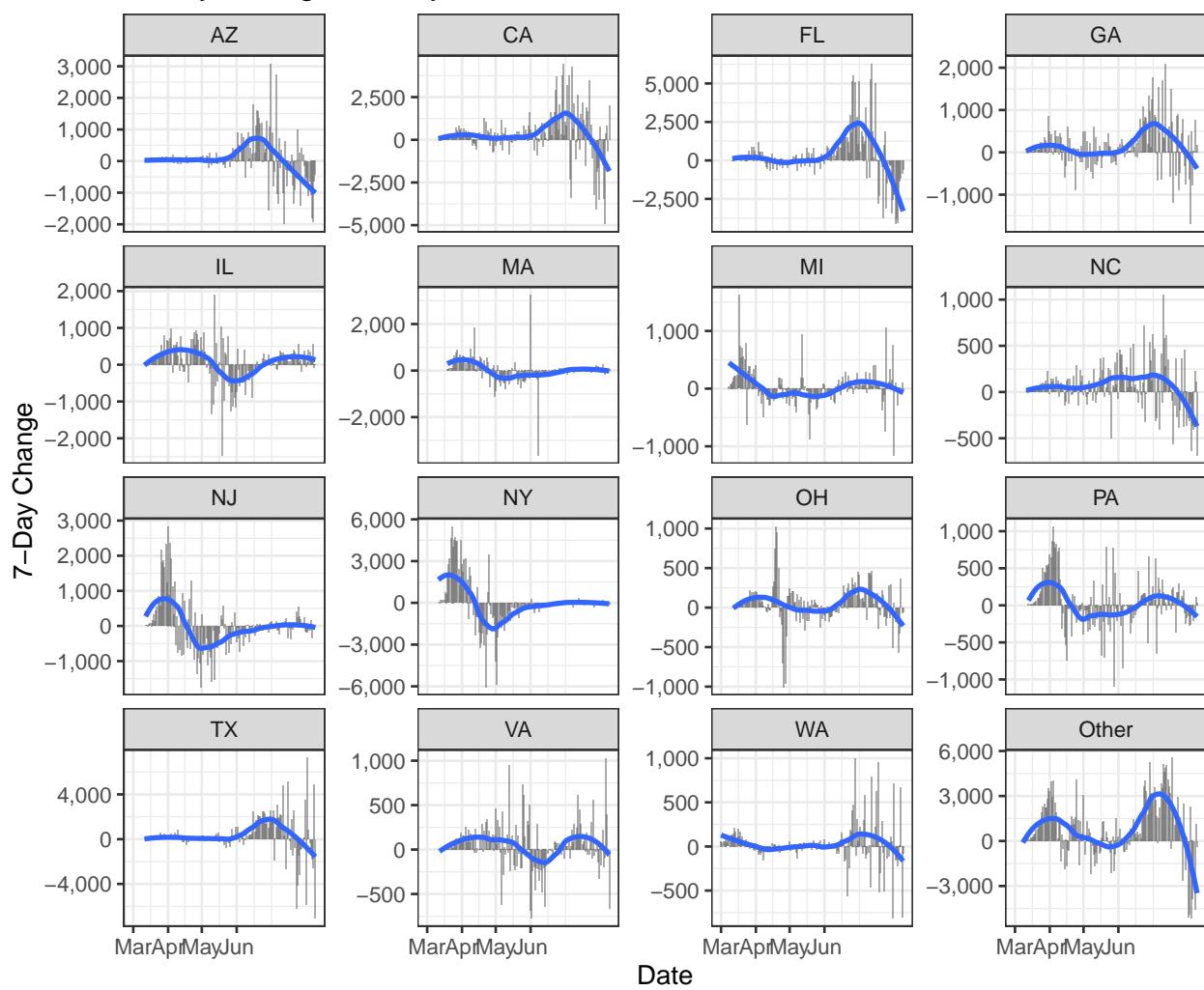
Cases by State

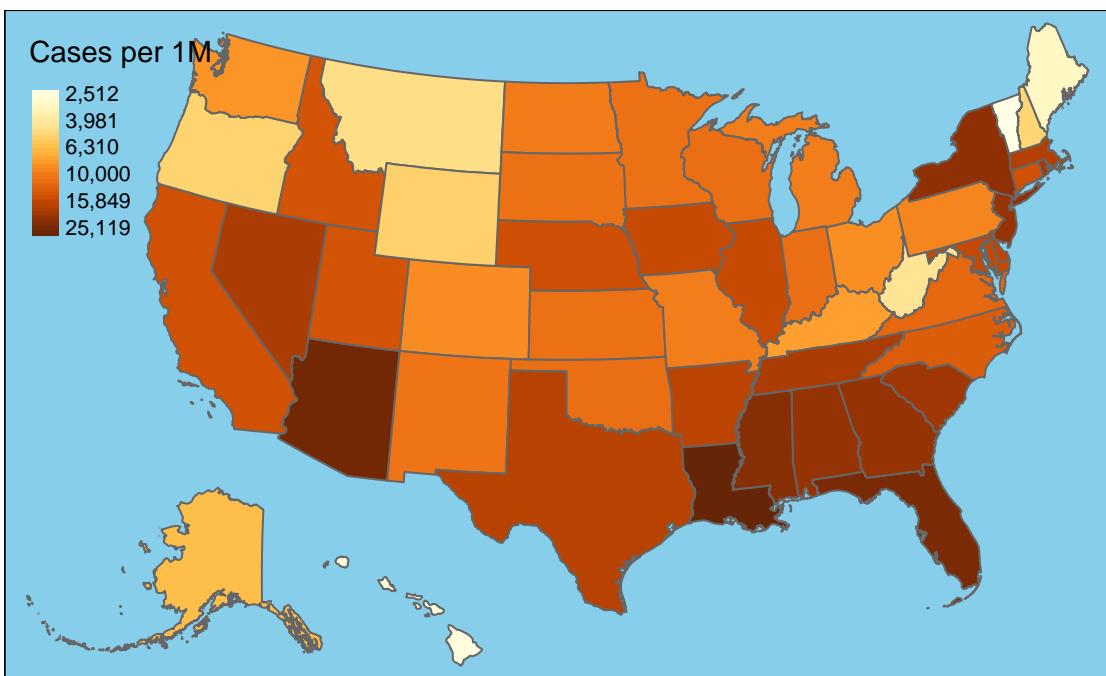
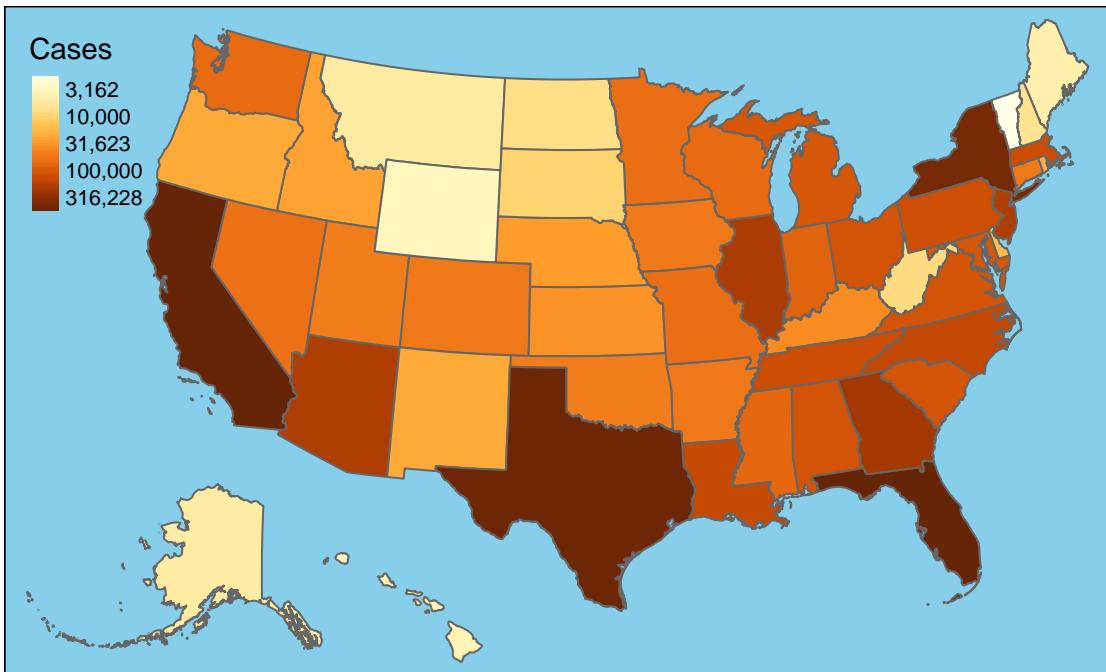


New Cases by State

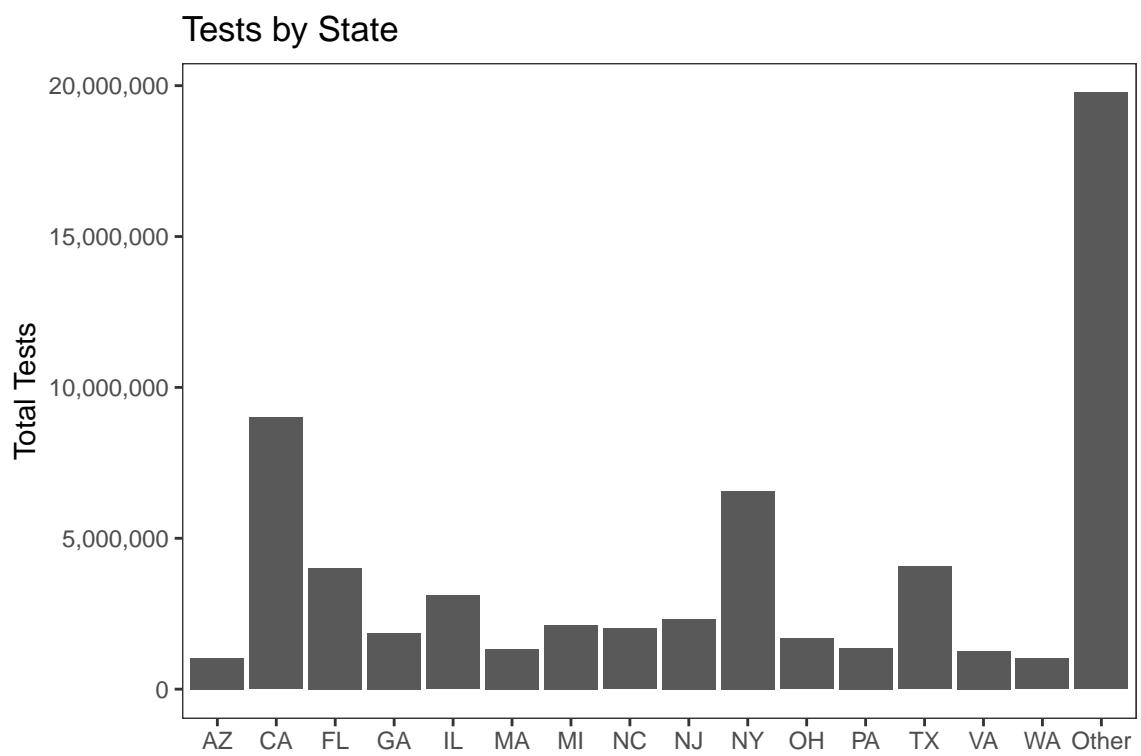


7-Day Change in Daily Cases

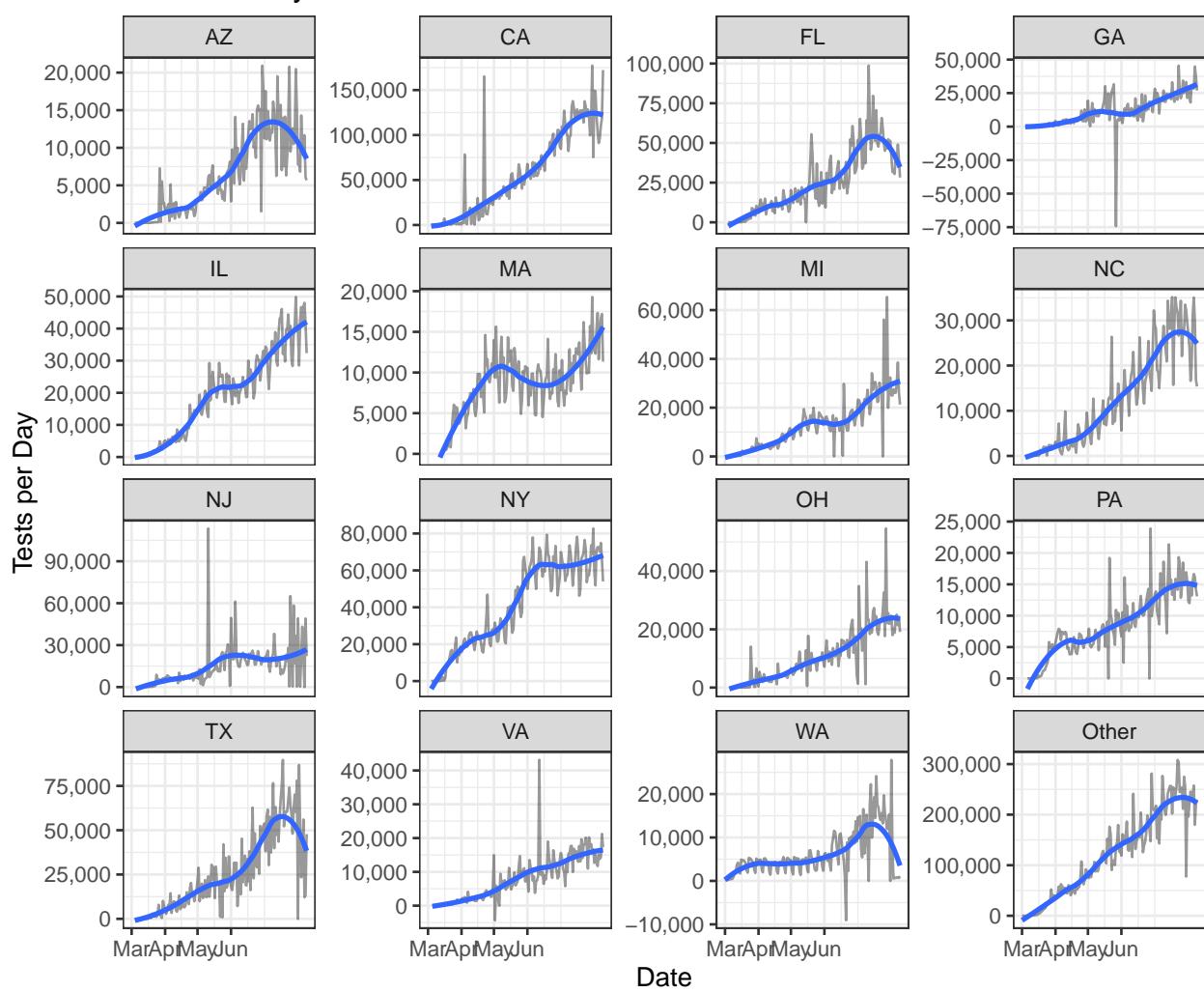


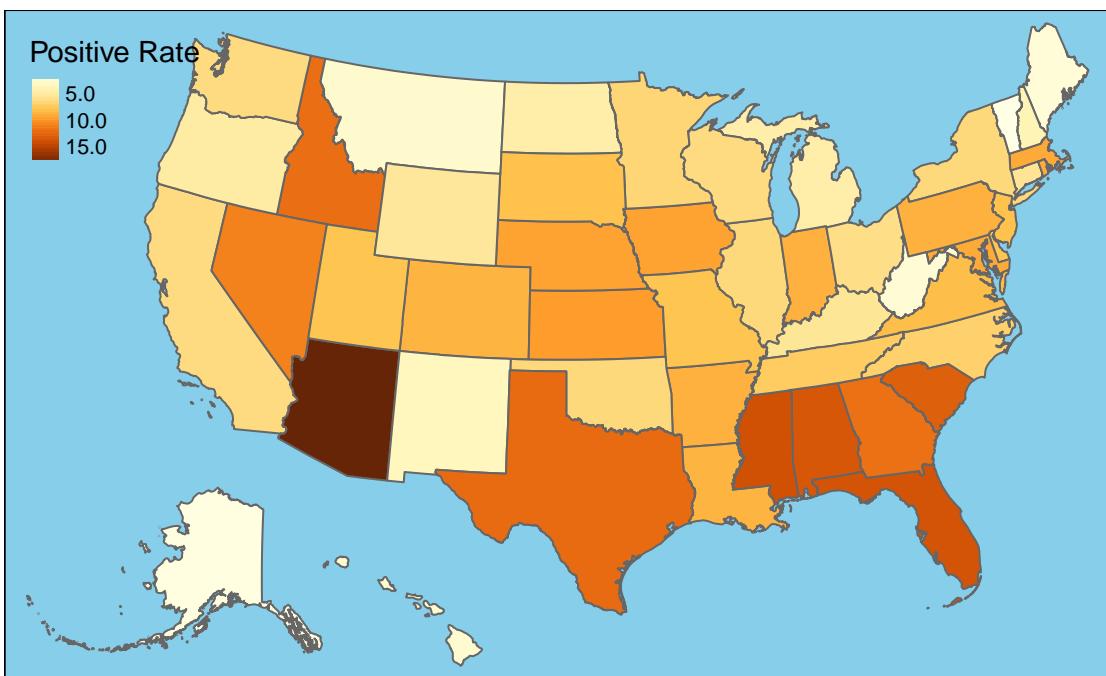
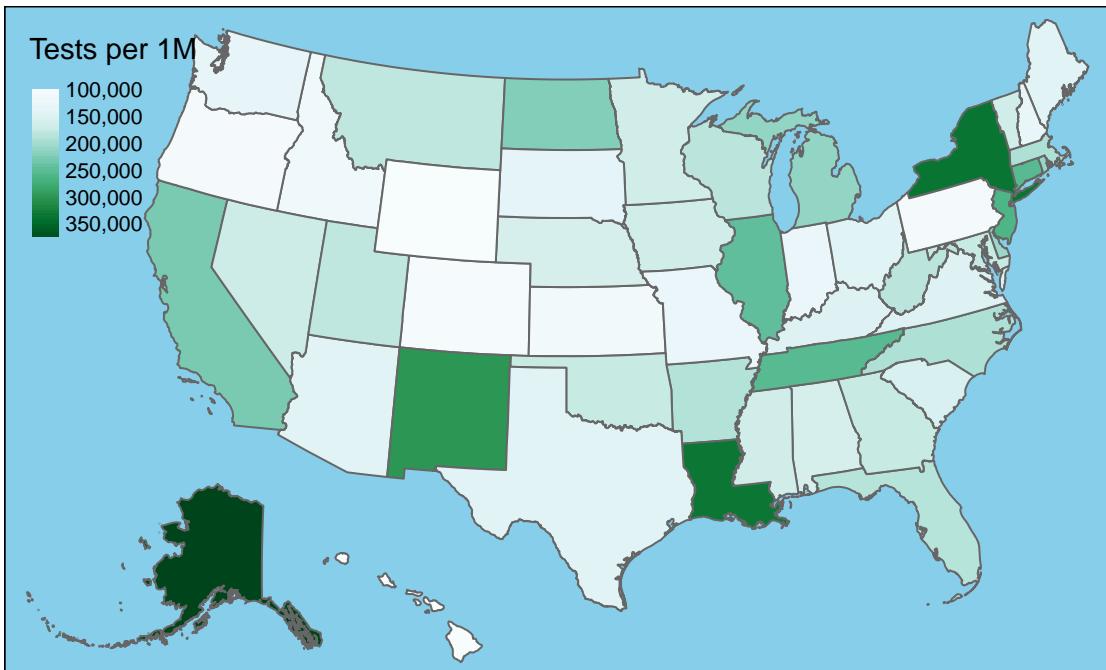


Testing

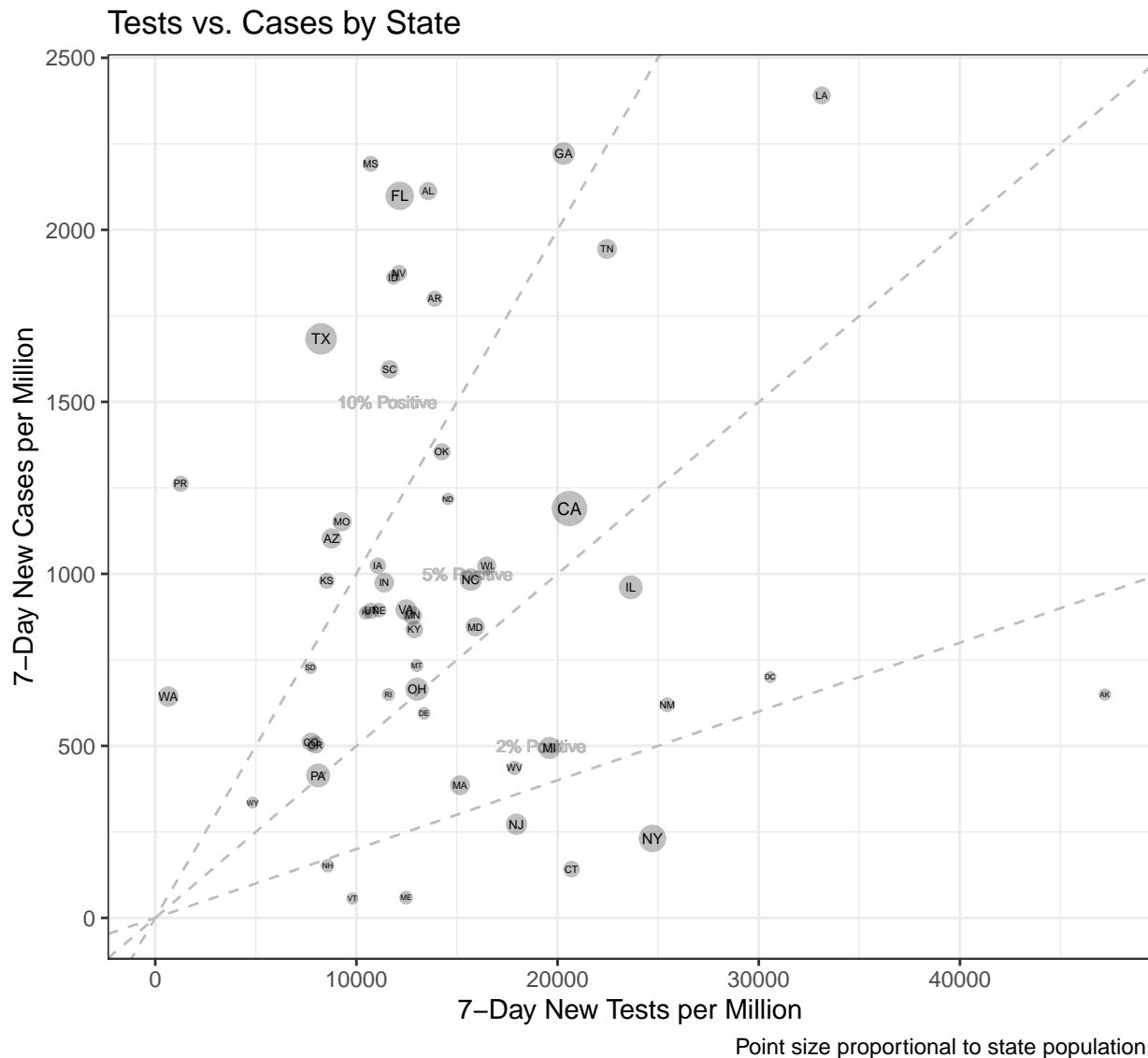


New Tests by State





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.



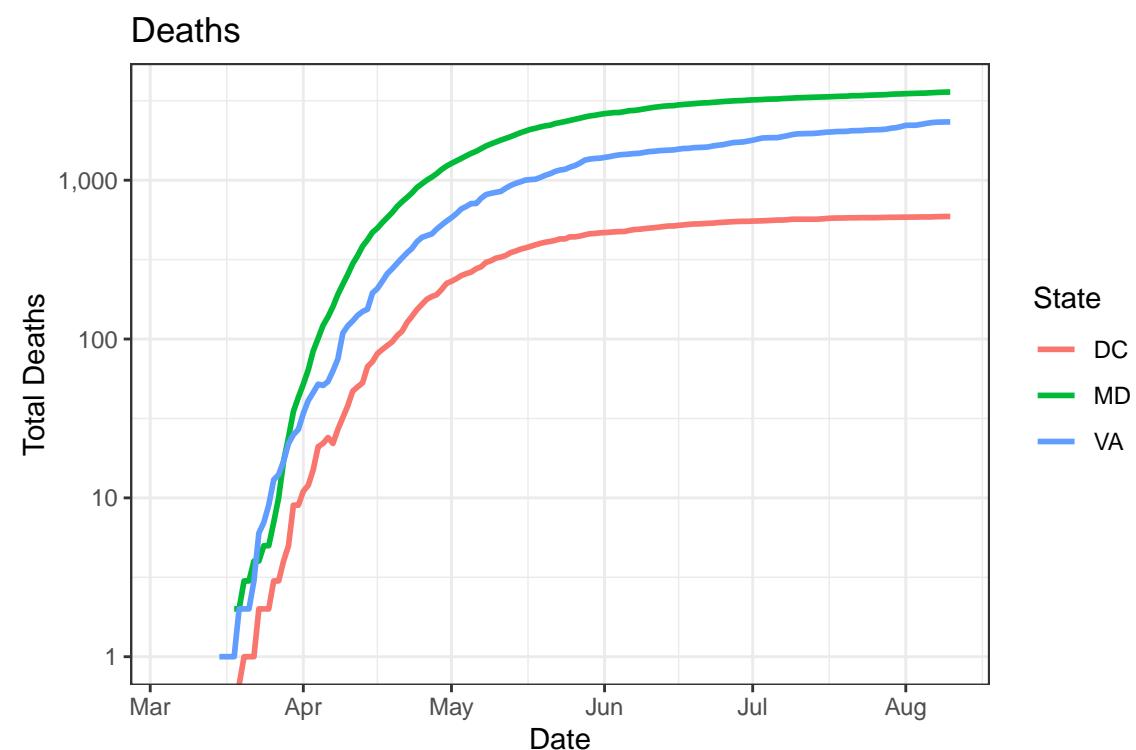
Local Data

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

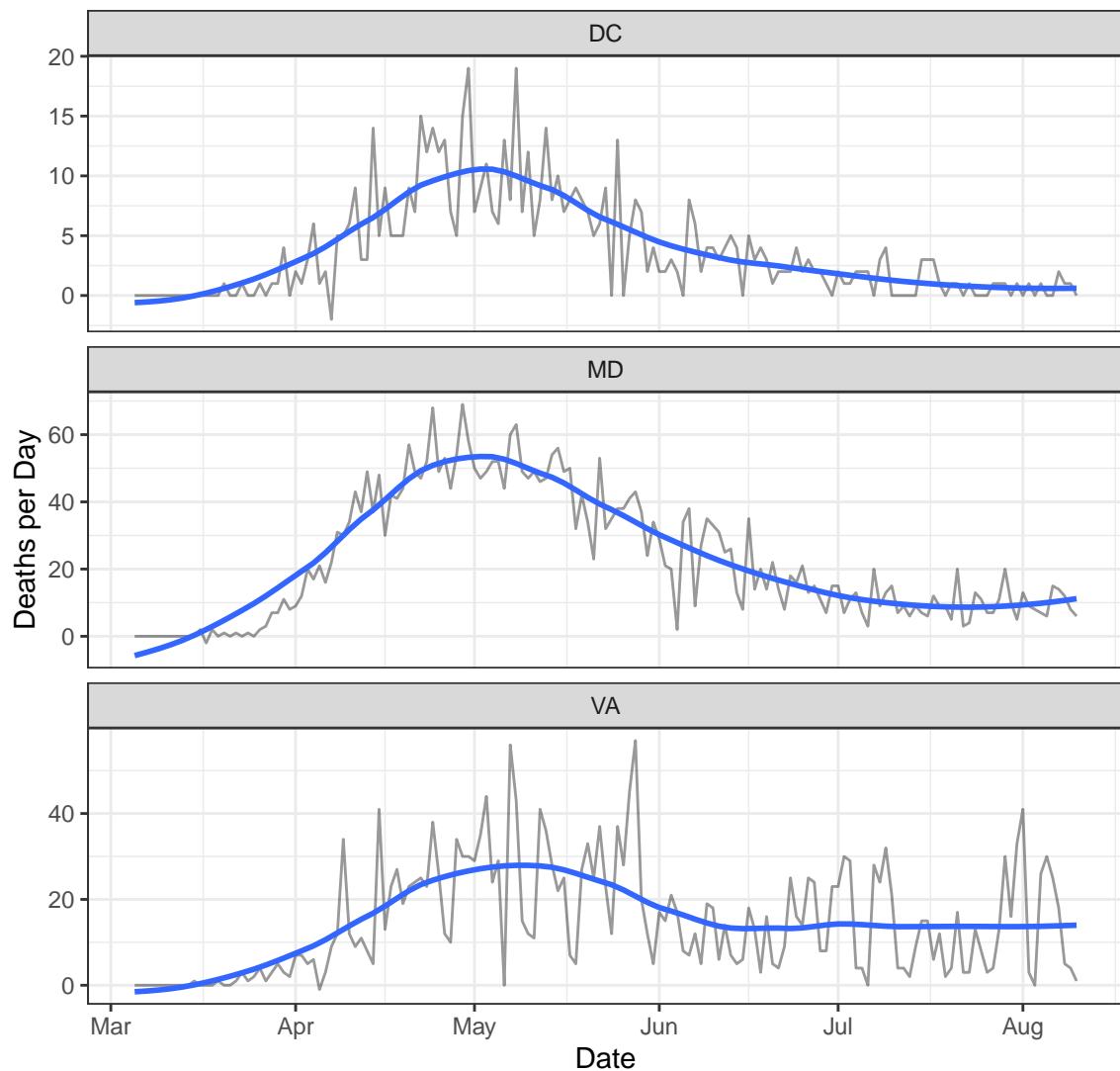
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	12,807	591	54	0
MD	96,258	3,591	755	6
VA	100,749	2,327	663	1

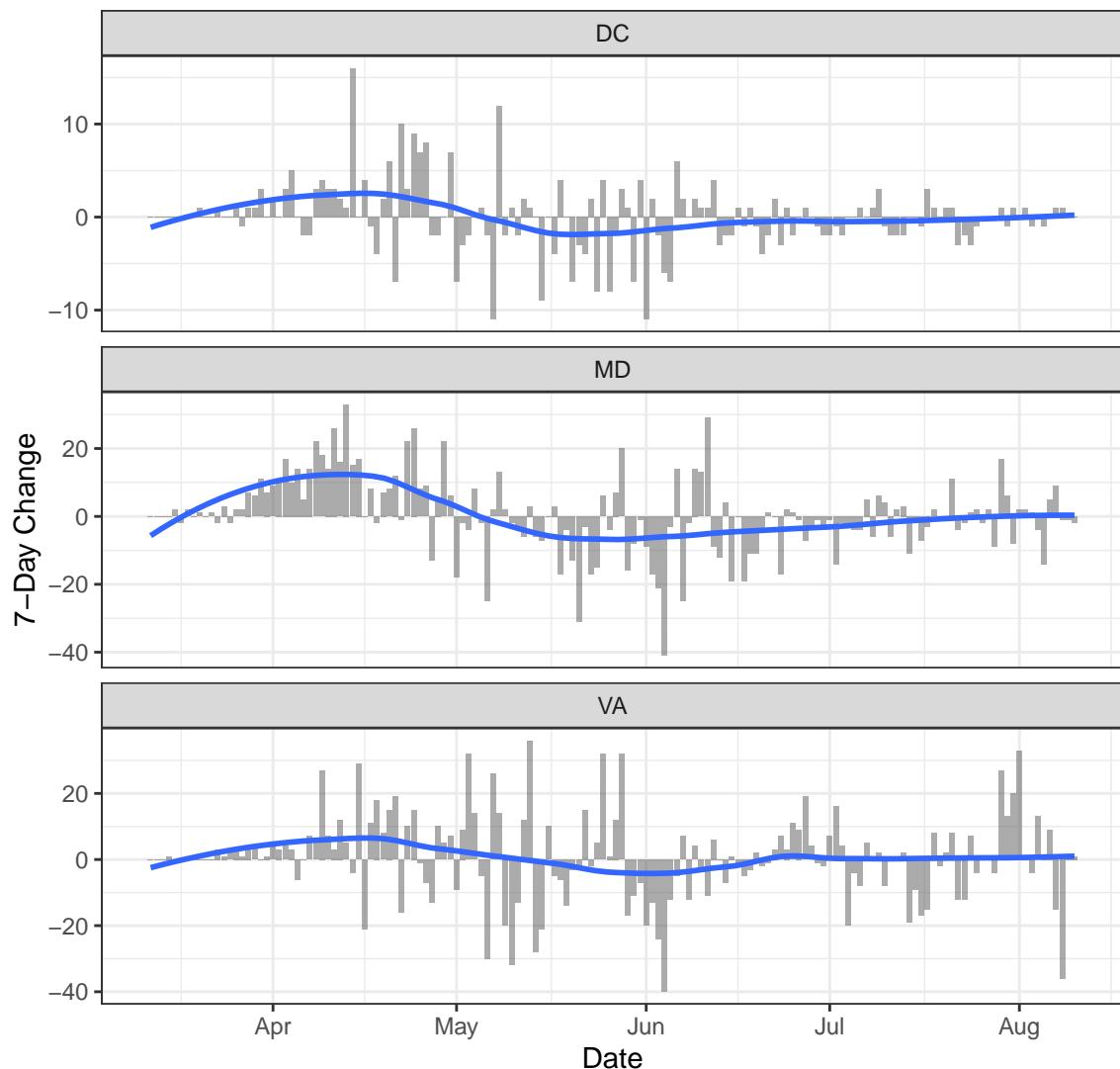
Deaths

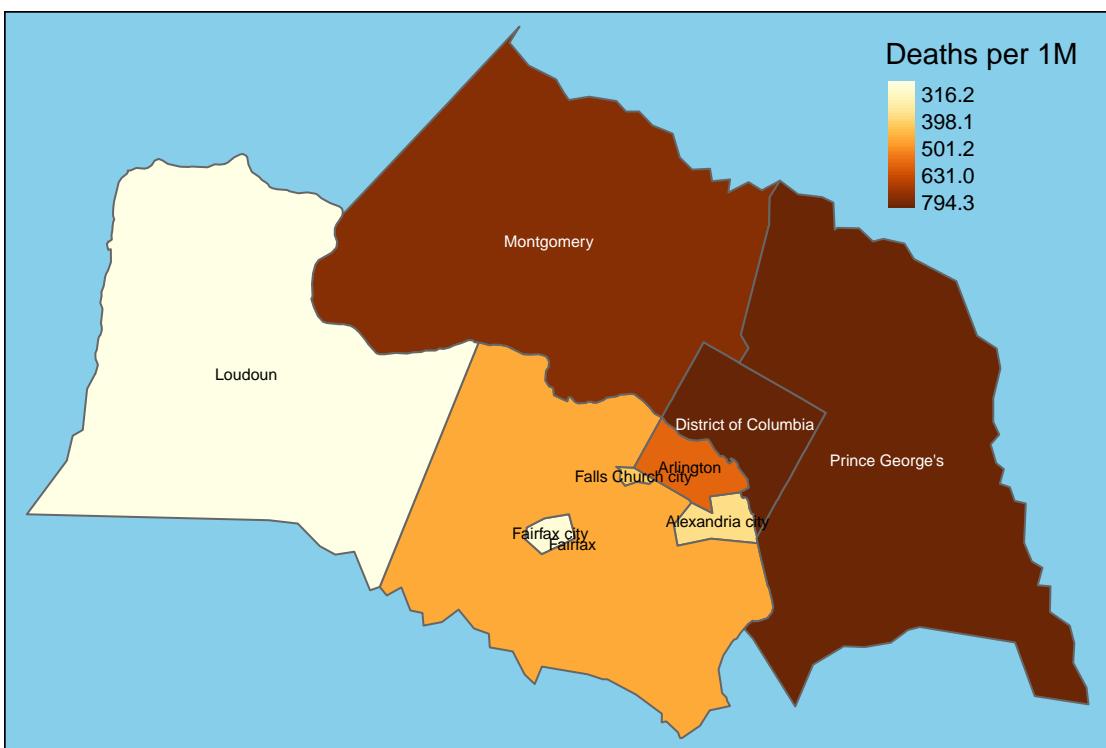
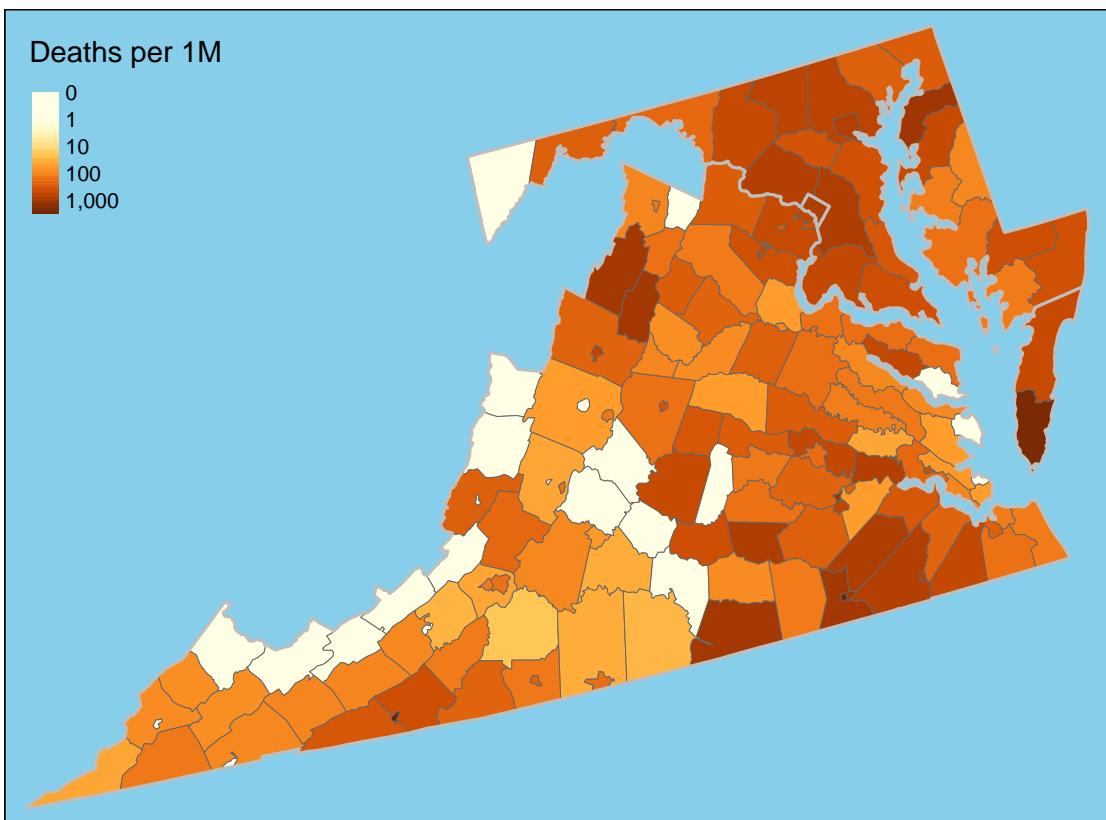


New Deaths

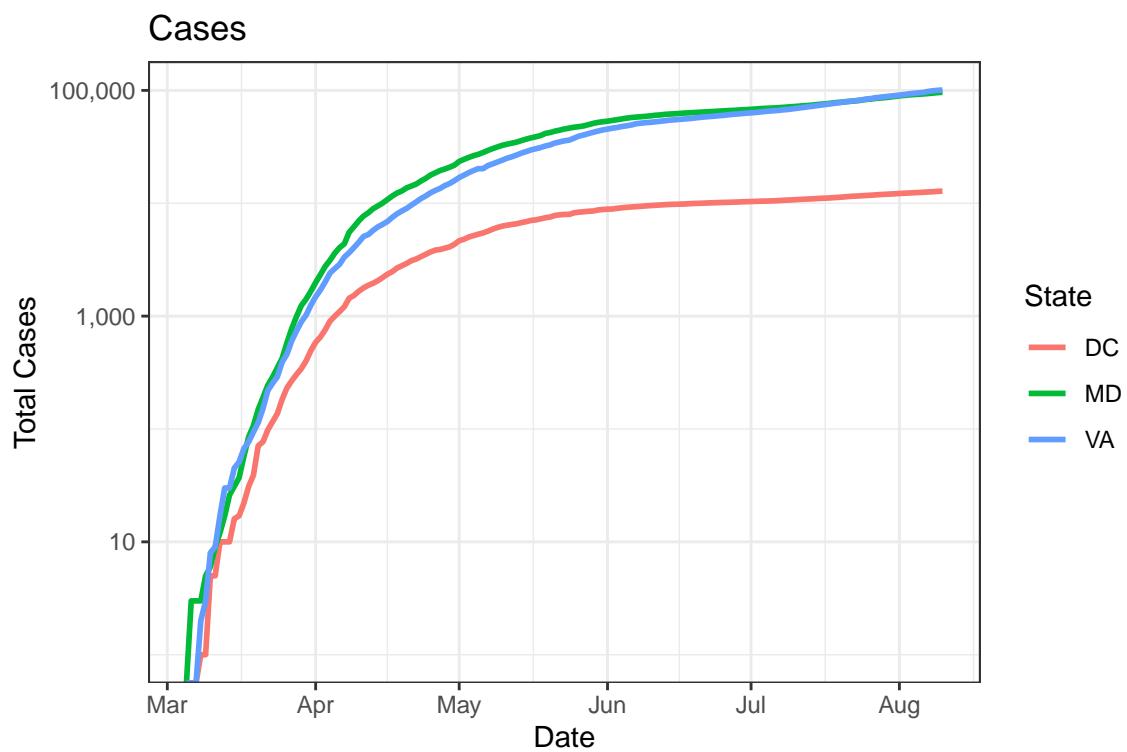


One-Week Change in Daily Deaths

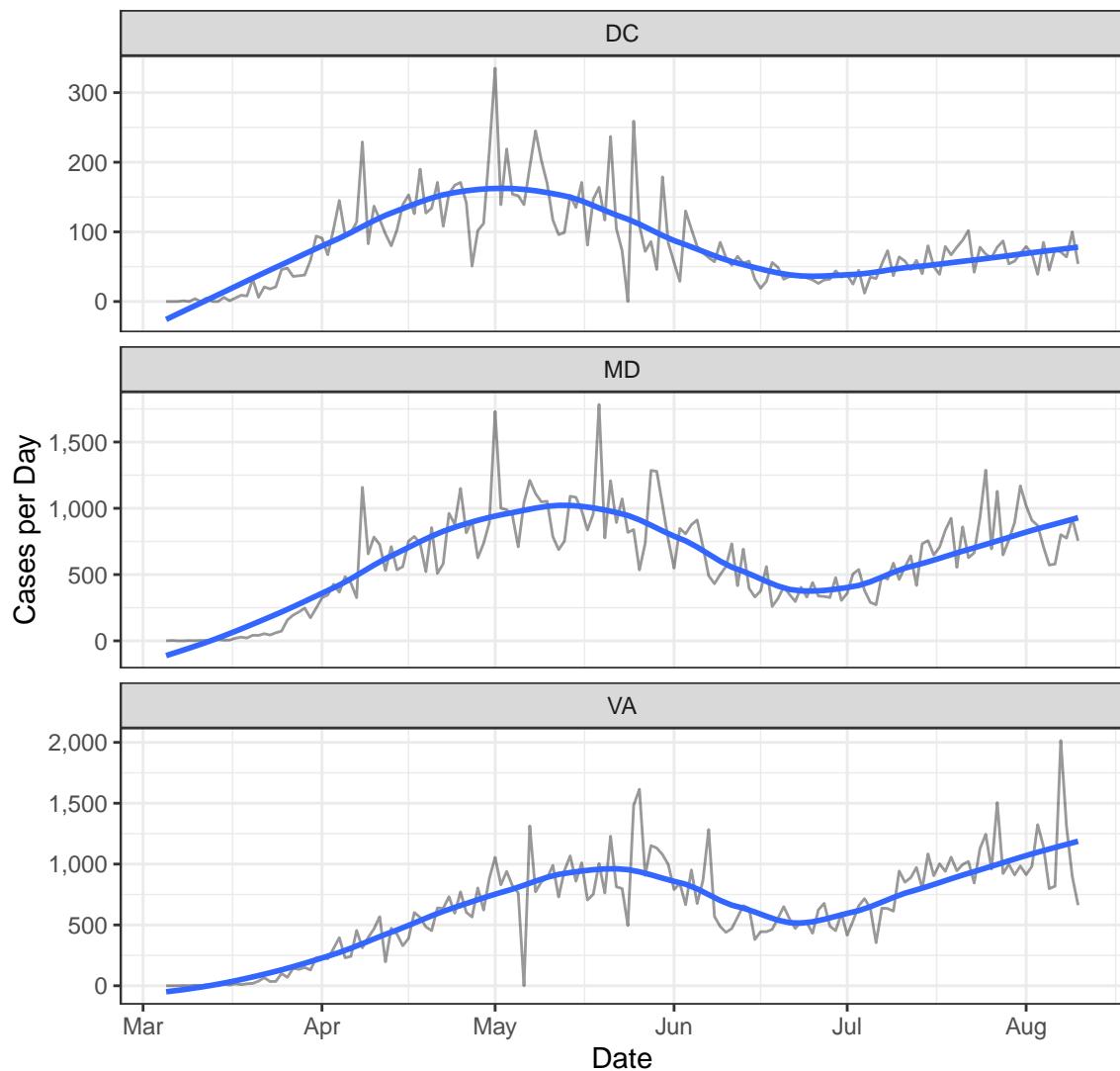




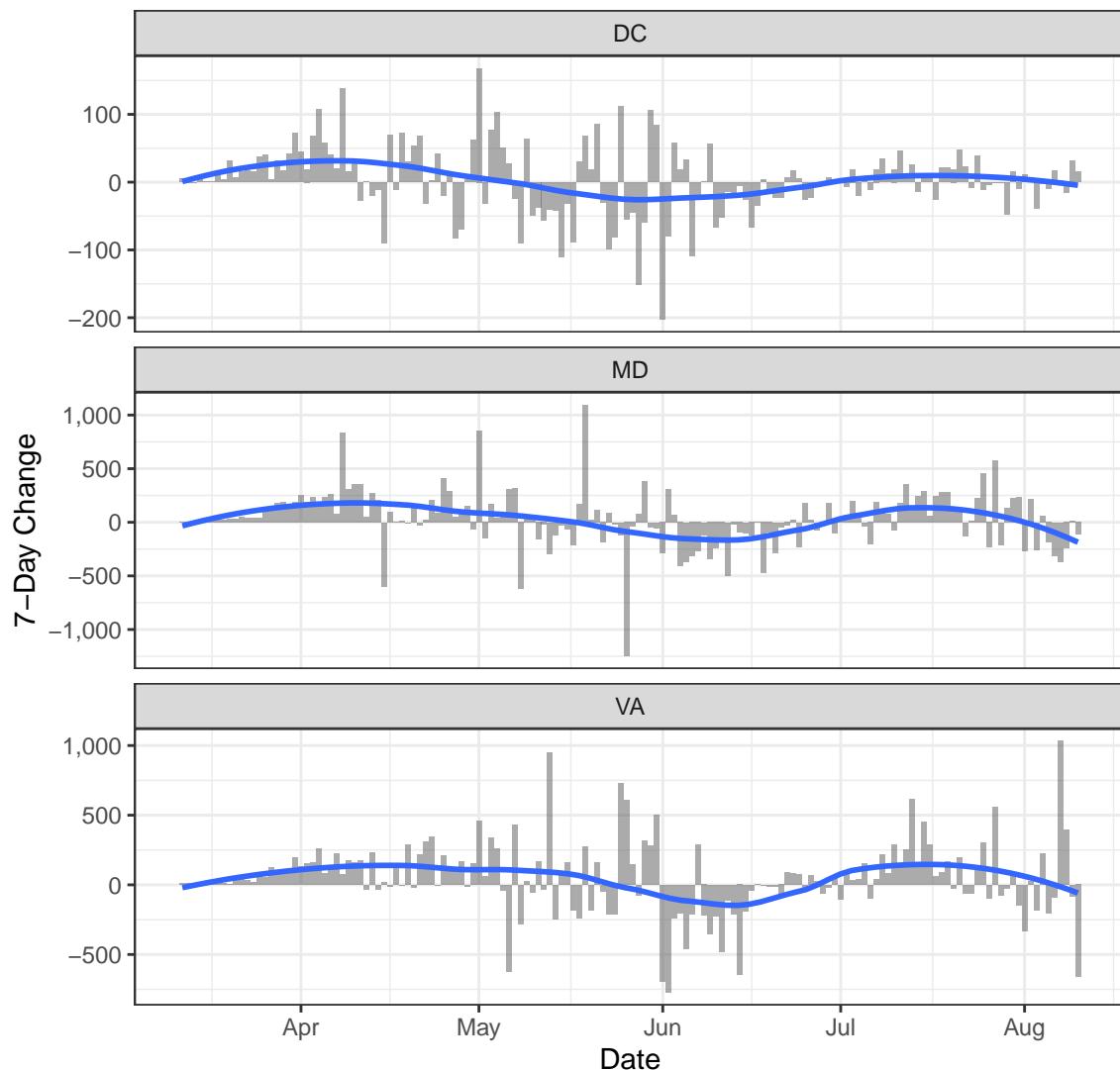
Cases

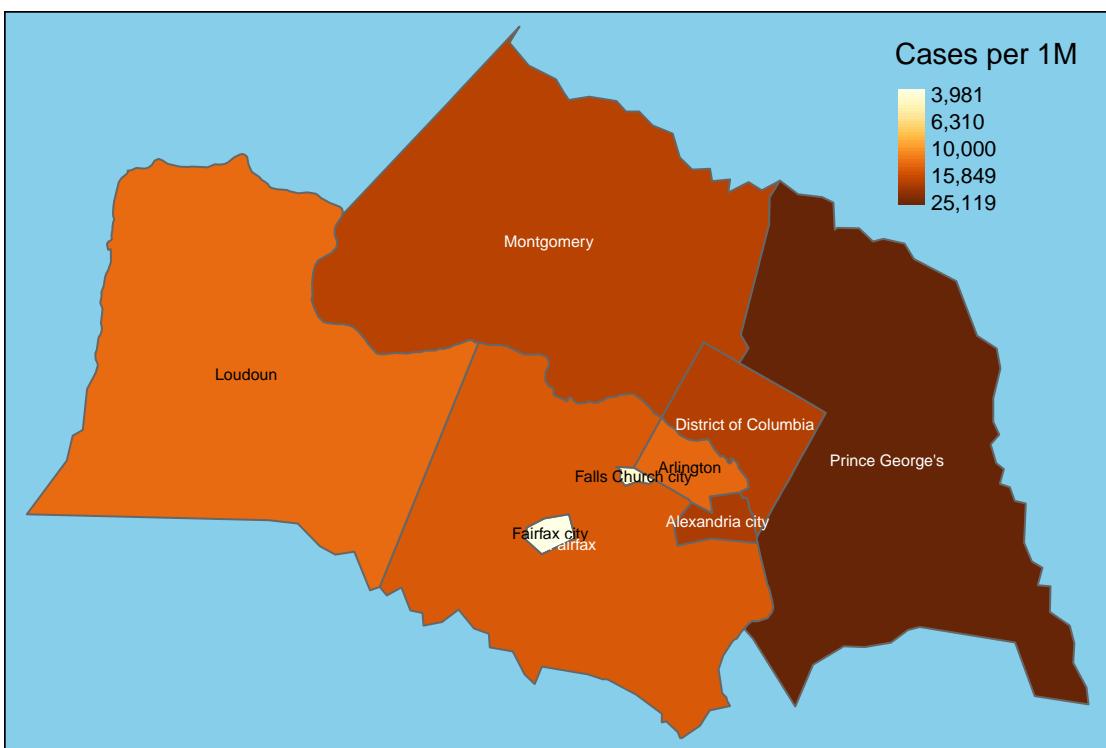
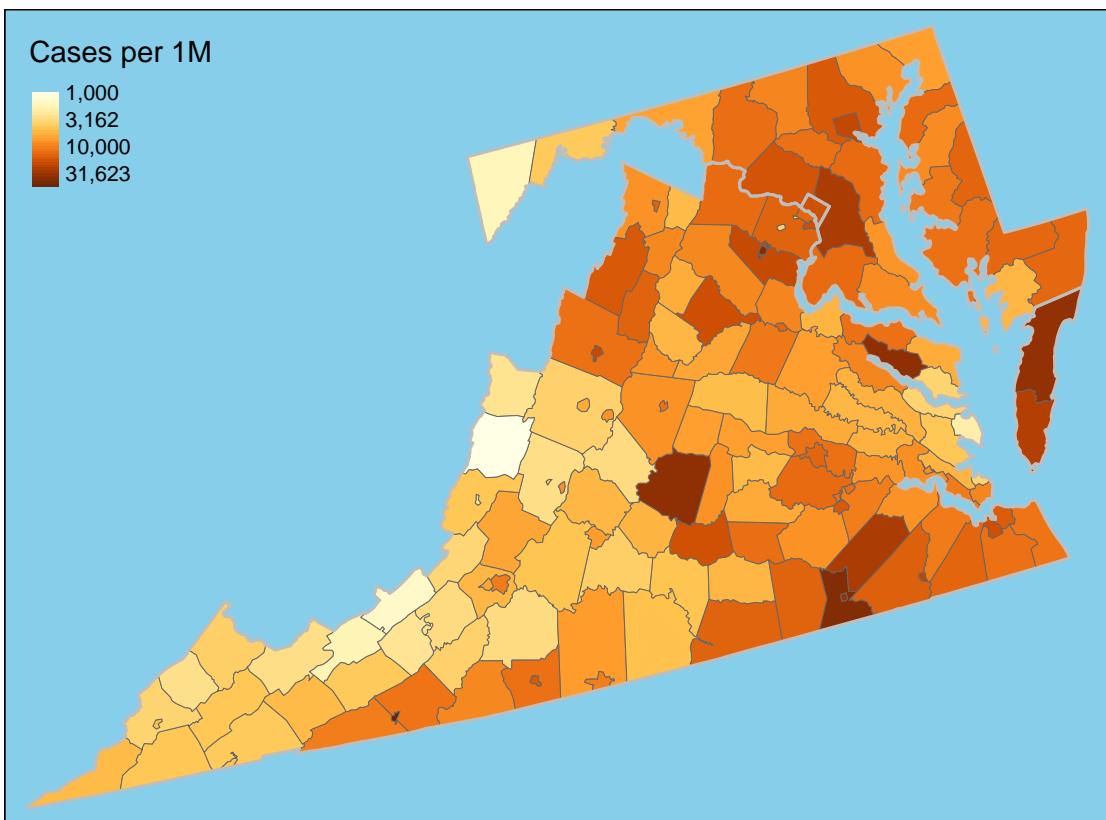


New Cases

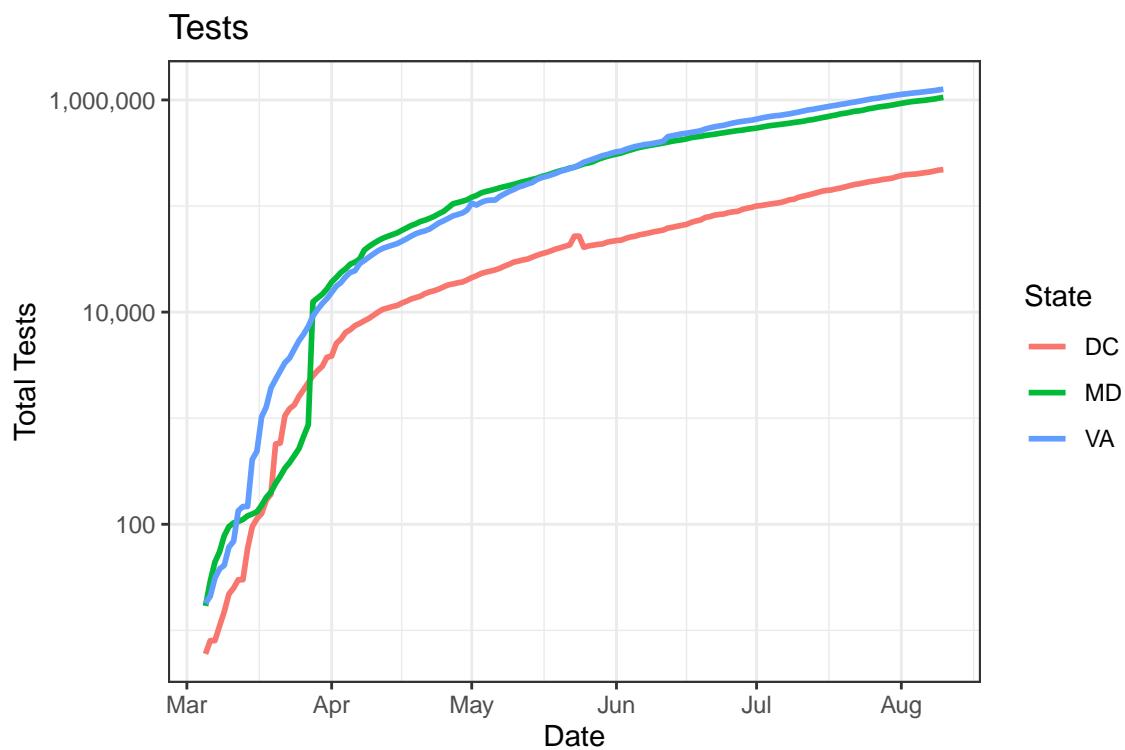


One-Week Change in Daily Cases

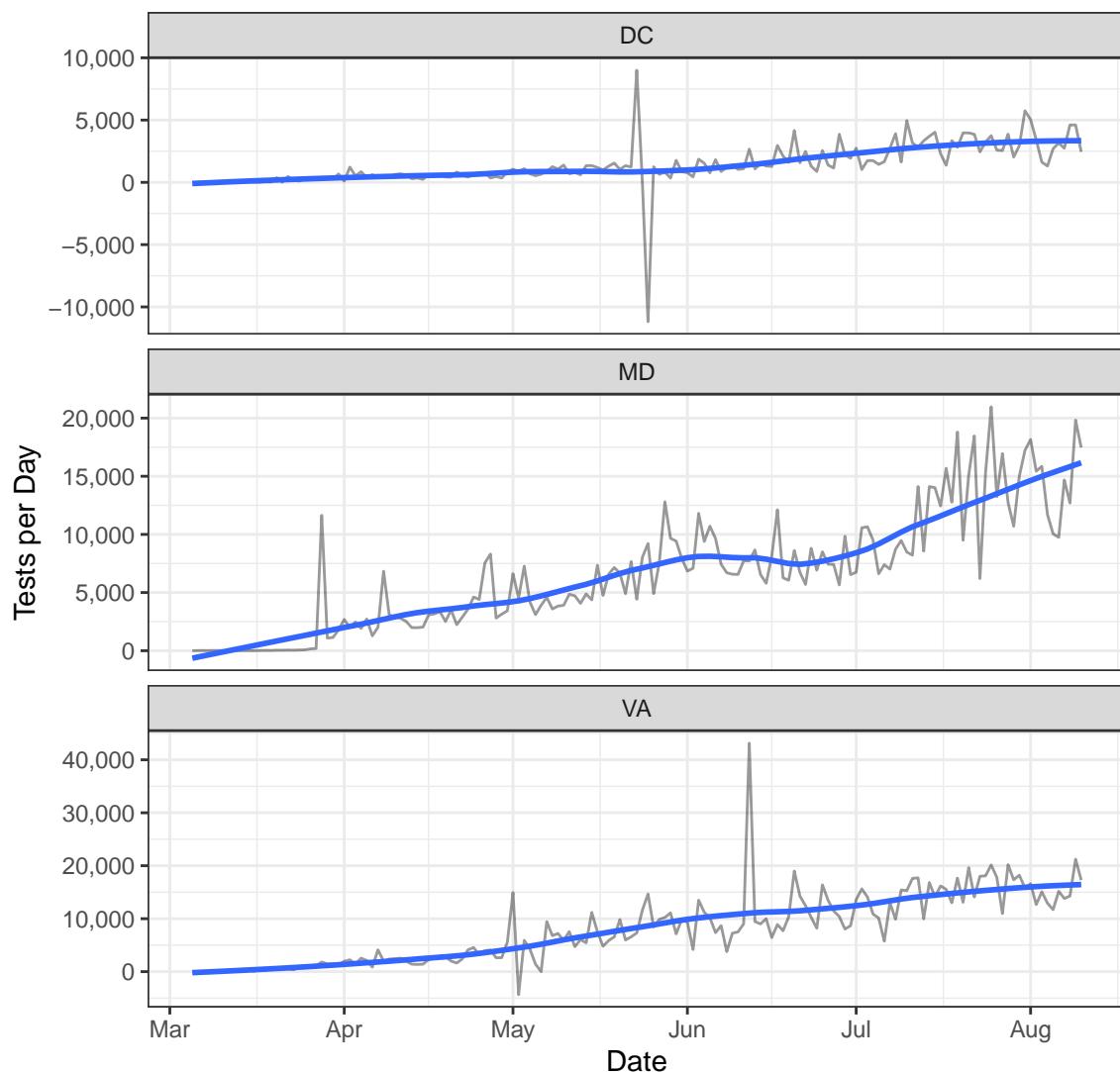




Testing



New Tests



Positive Test Rate

