

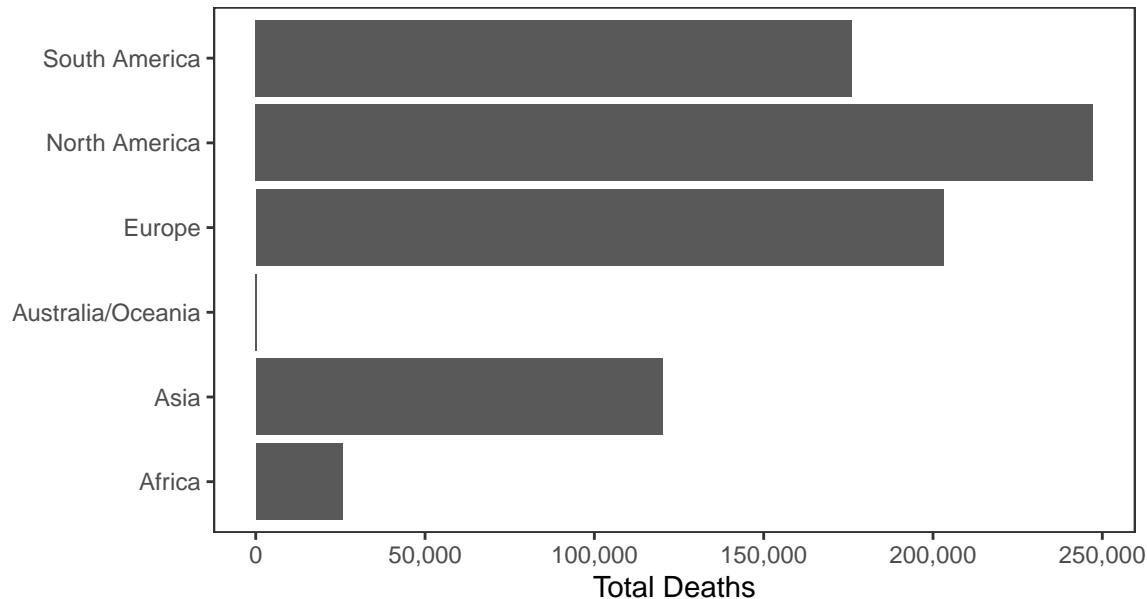
Erik's Covid-19 Chart Pack

Data updated 2020-08-17 18:37:50. 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 21,823,558 confirmed Covid-19 cases and 772,752 deaths worldwide.

Deaths



Cases

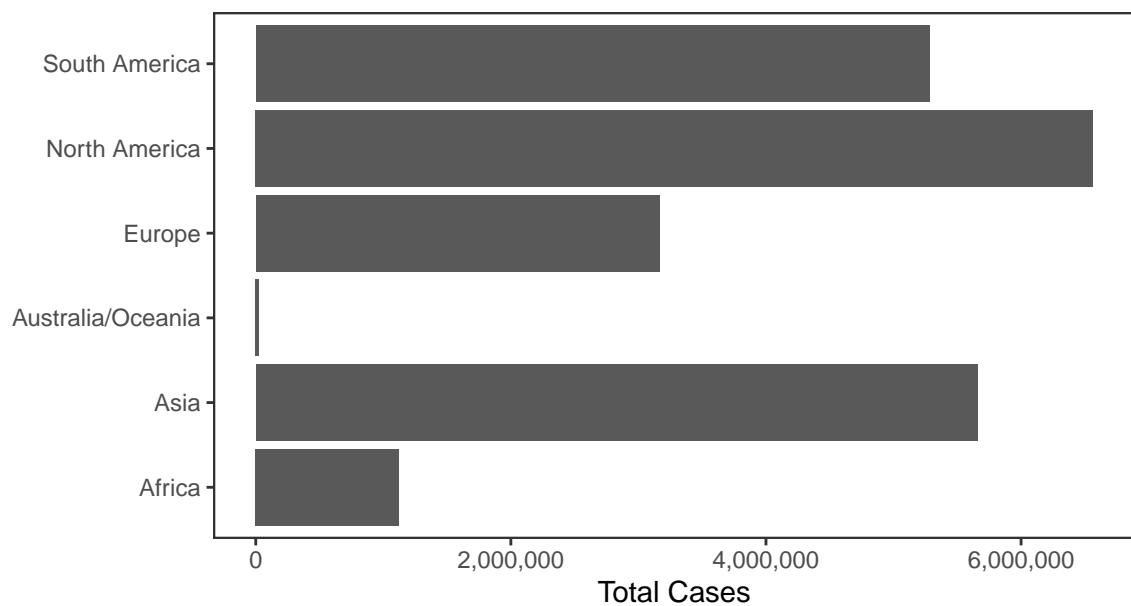
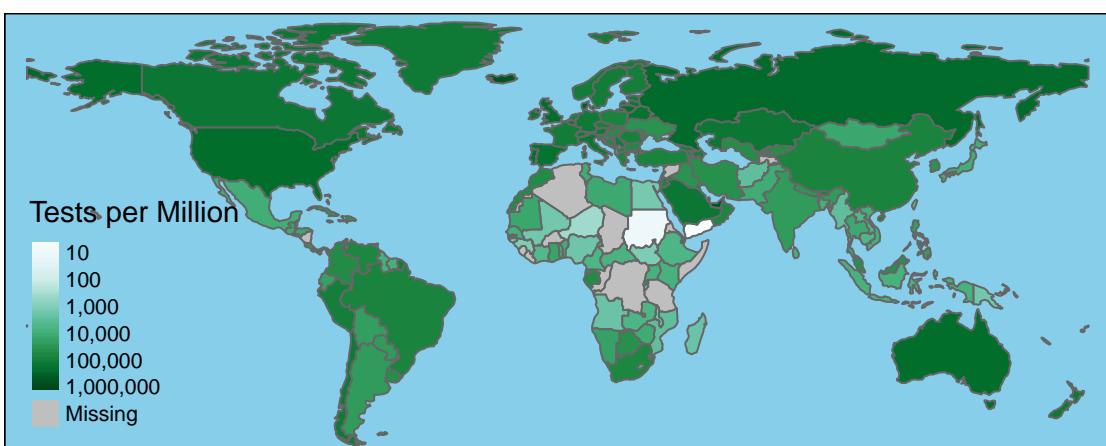
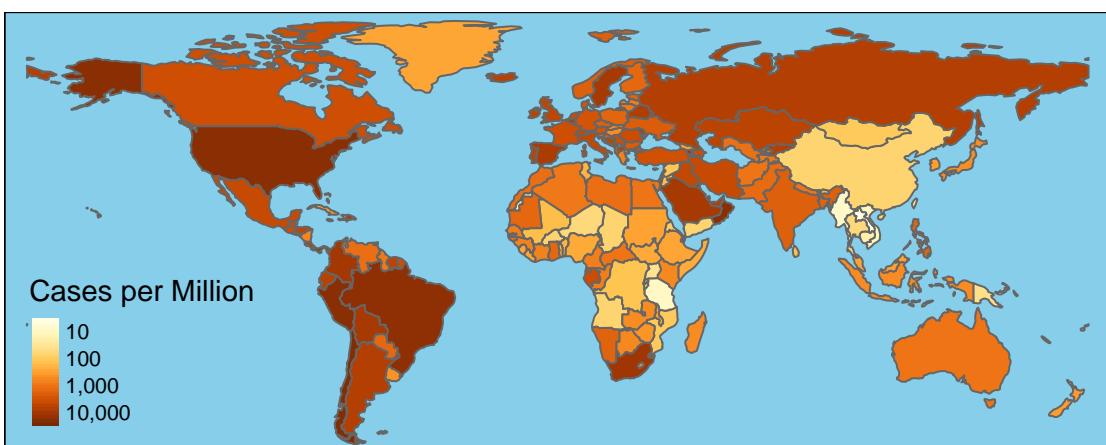
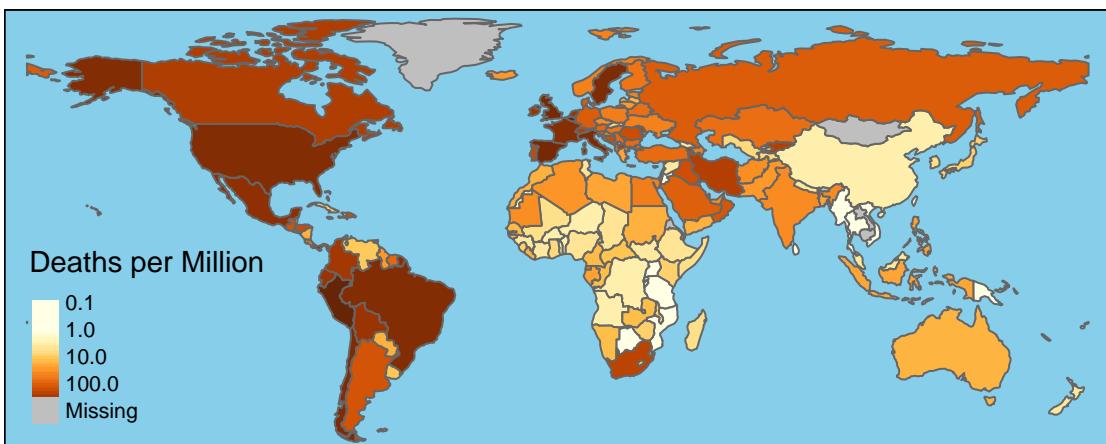


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	5,571,415	173,127	37,682	521
Brazil	3,340,197	107,879	22,365	582
India	2,647,316	51,045	58,108	961
Russia	922,853	15,685	4,969	68
South Africa	587,345	11,839	3,692	162
Peru	535,946	26,281	10,143	206
Mexico	517,714	56,543	6,345	635
Colombia	468,332	15,097	11,643	287
Chile	385,946	10,452	2,044	57
Spain	358,843	28,617	0	0
Iran	343,203	19,639	2,133	147
UK	318,484	41,366	1,040	5
Saudi Arabia	298,542	3,408	1,227	39
Argentina	294,569	5,703	5,469	66
Pakistan	288,717	6,168	670	6
Bangladesh	276,549	3,657	2,024	32
Italy	253,915	35,396	479	4
Turkey	249,309	5,974	1,192	19
Germany	224,997	9,290	519	0
France	218,536	30,410	3,015	1



National Data

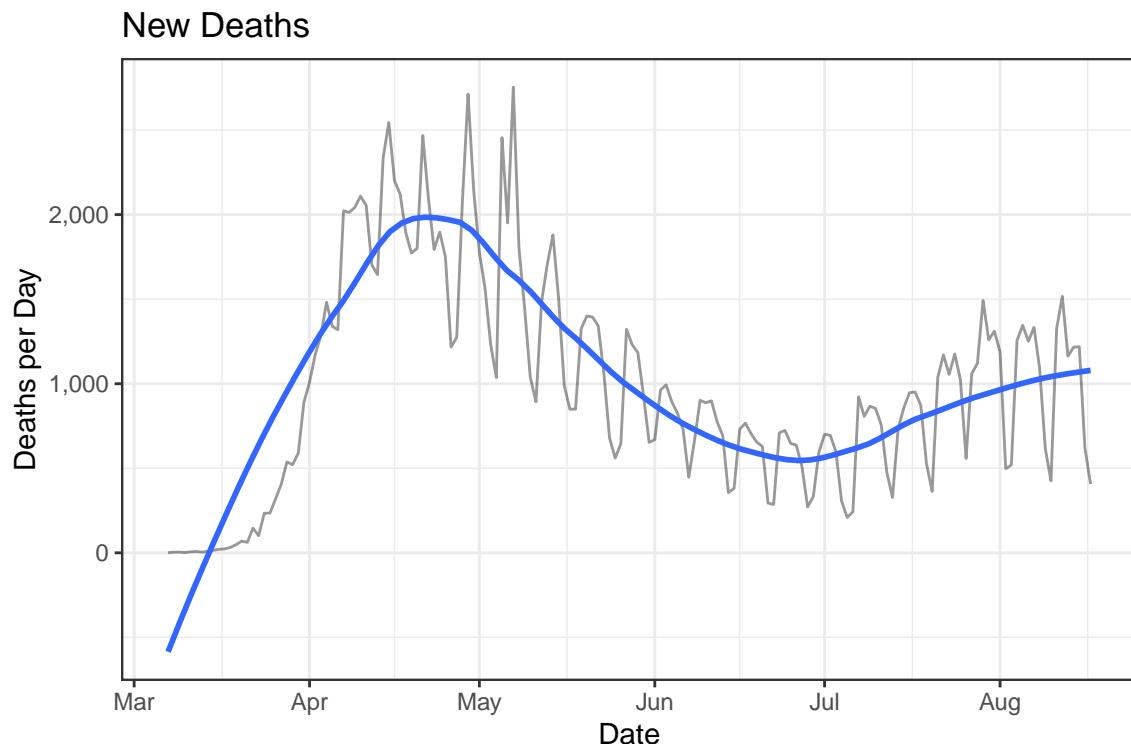
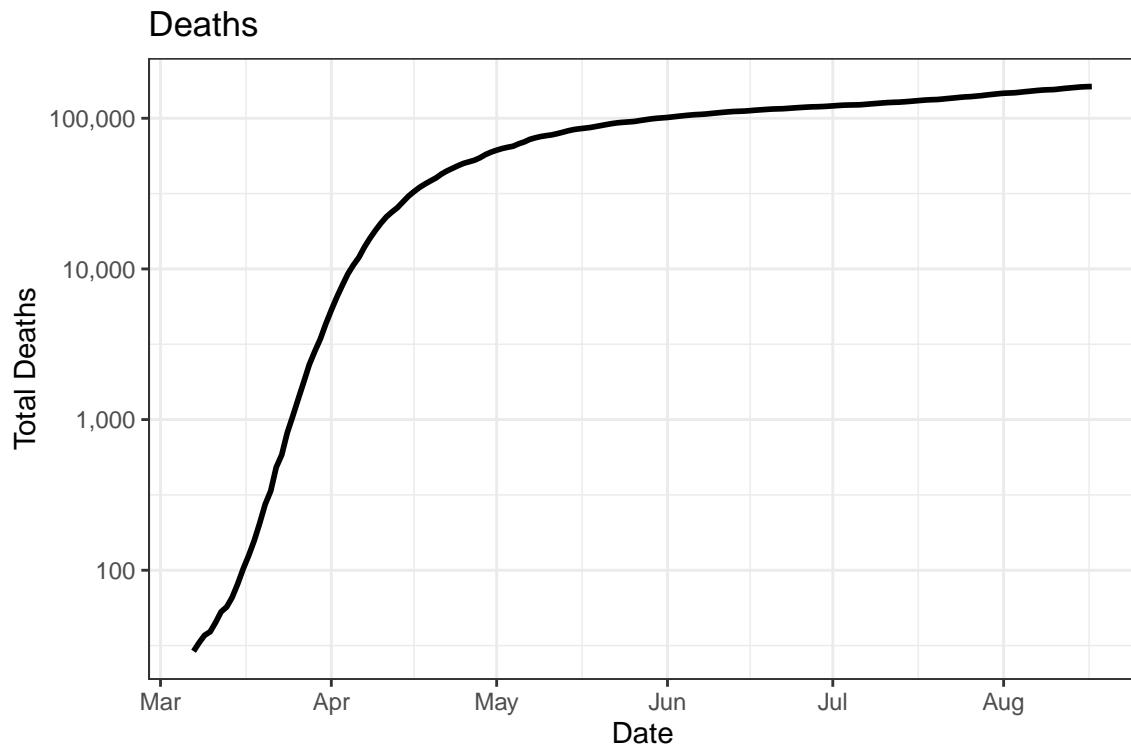
There have been 5,417,366 confirmed Covid-19 cases and 162,400 deaths in the United States.

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

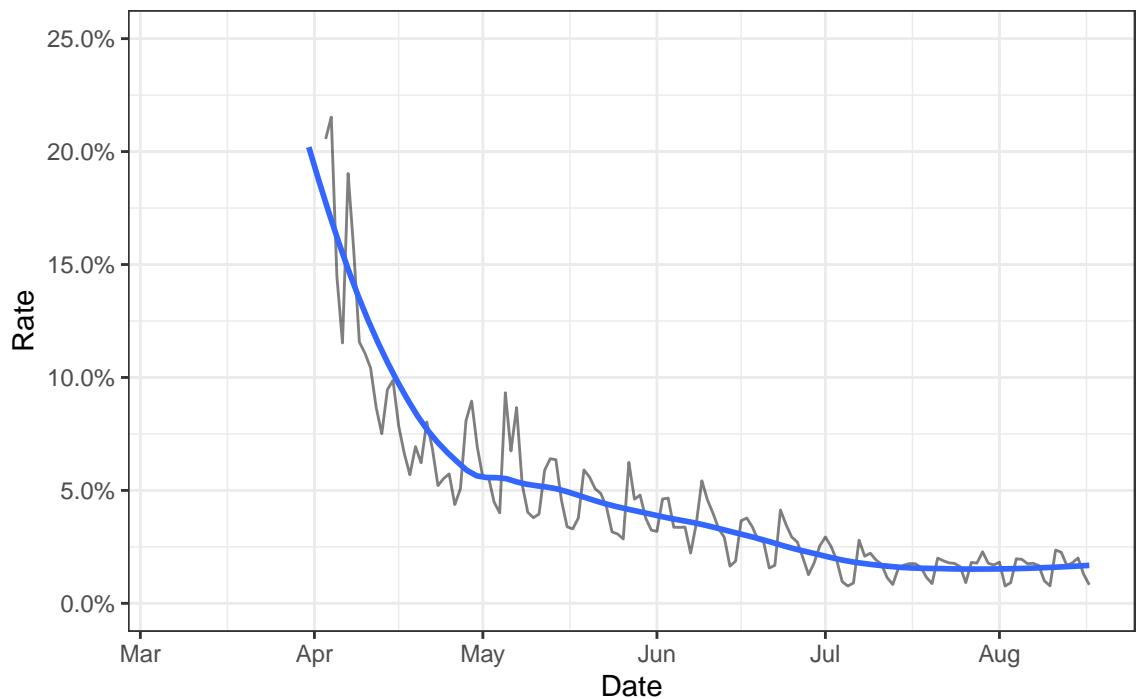
Date	Cases	Deaths	New Cases	New Deaths
2020-08-17	5,417,366	162,400	37,759	406
2020-08-16	5,379,607	161,994	43,066	620
2020-08-15	5,336,541	161,374	56,678	1,219
2020-08-14	5,279,863	160,155	55,649	1,216
2020-08-13	5,224,214	158,939	51,705	1,163
2020-08-12	5,172,509	157,776	56,035	1,517
2020-08-11	5,116,474	156,259	55,594	1,326
2020-08-10	5,060,880	154,933	41,807	426
2020-08-09	5,019,073	154,507	51,319	616
2020-08-08	4,967,754	153,891	54,091	1,089
2020-08-07	4,913,663	152,802	61,520	1,333
2020-08-06	4,852,143	151,469	54,184	1,251
2020-08-05	4,797,959	150,218	52,265	1,346
2020-08-04	4,745,694	148,872	51,568	1,255

Deaths

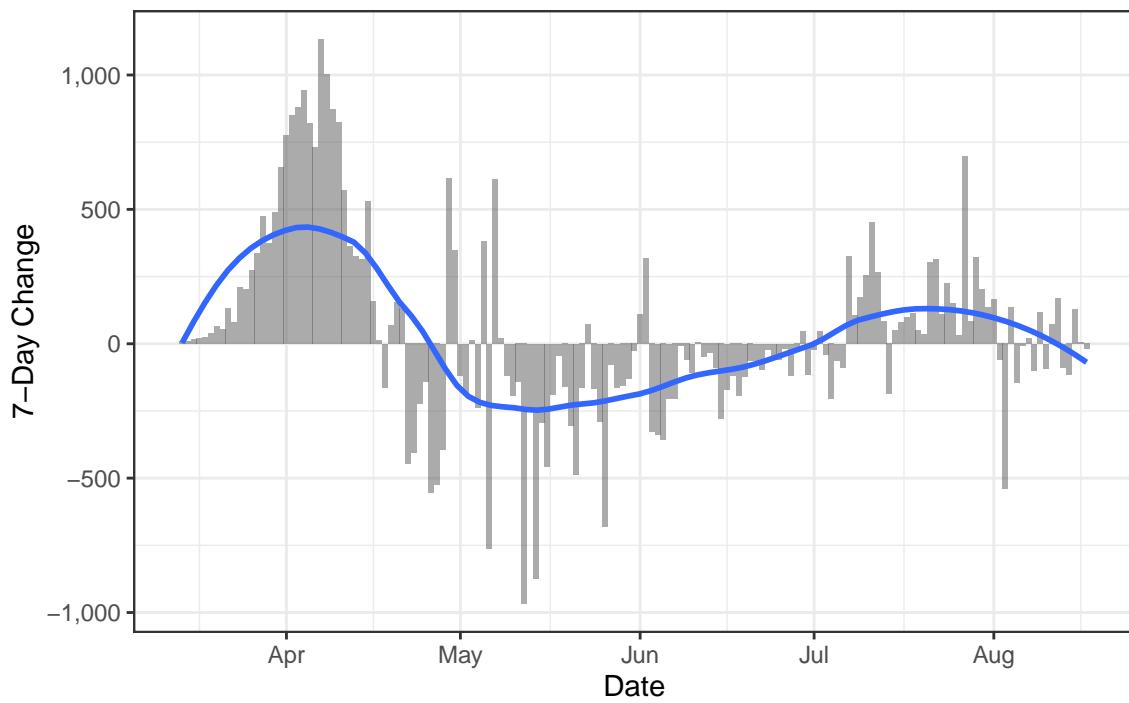
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

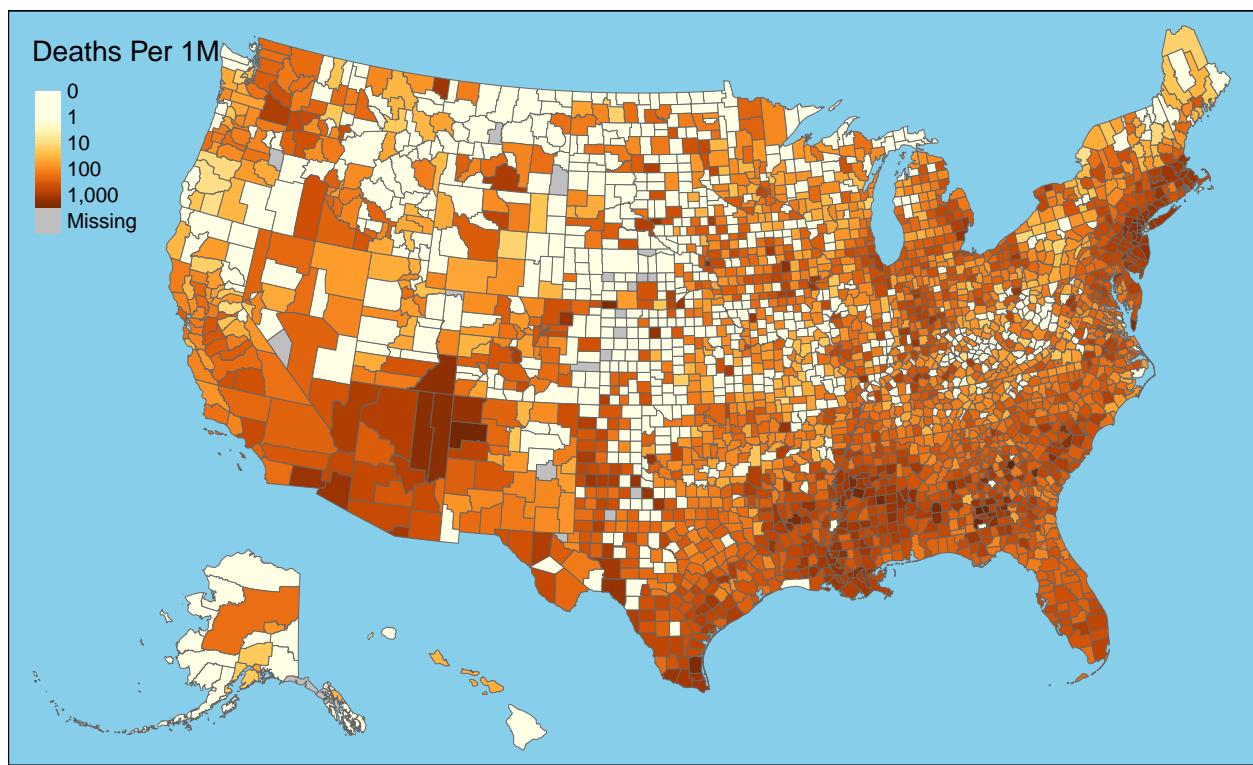


Daily Case Mortality Rate



One-Week Change in Daily Deaths

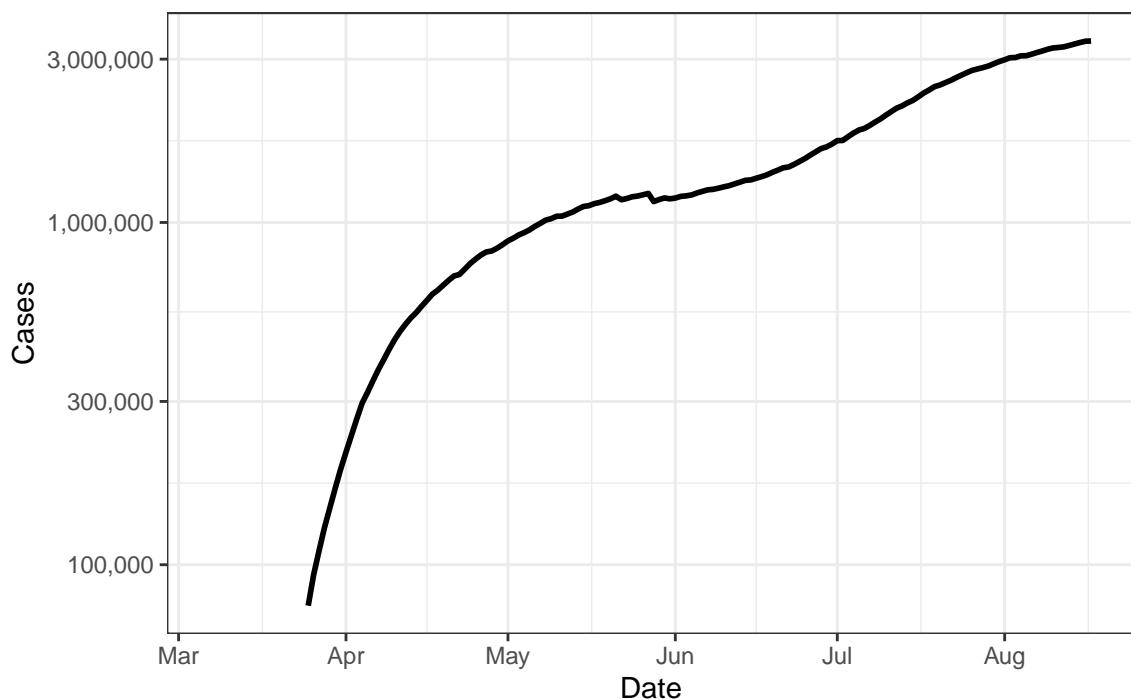




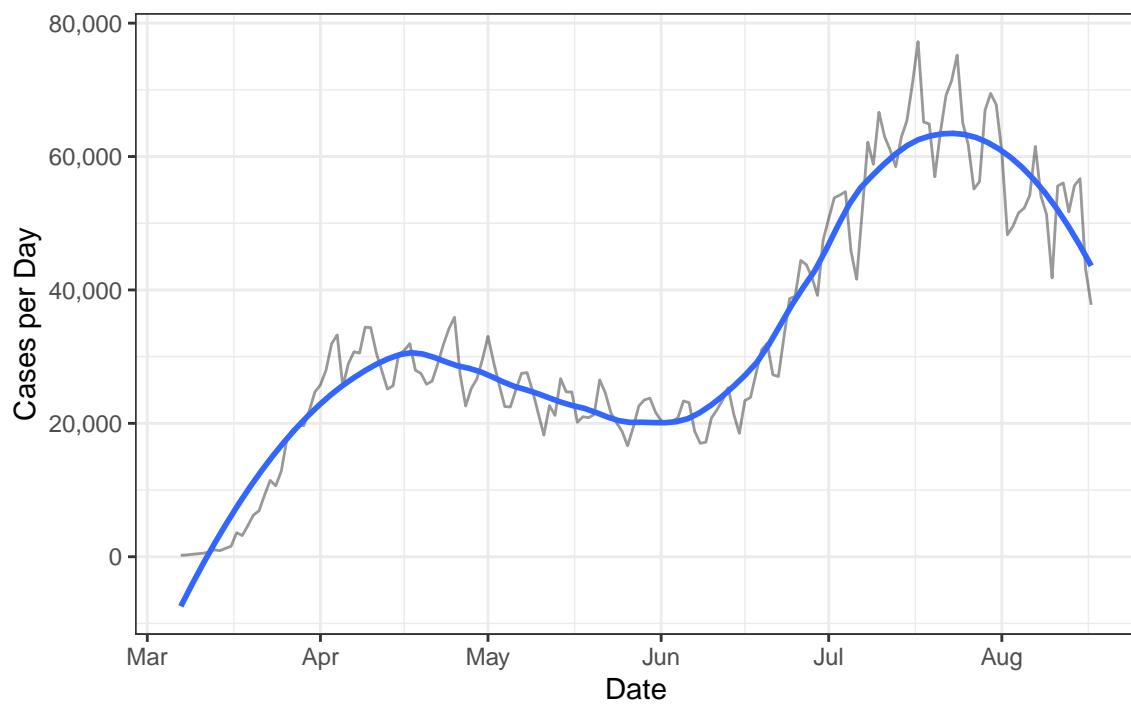
Cases

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

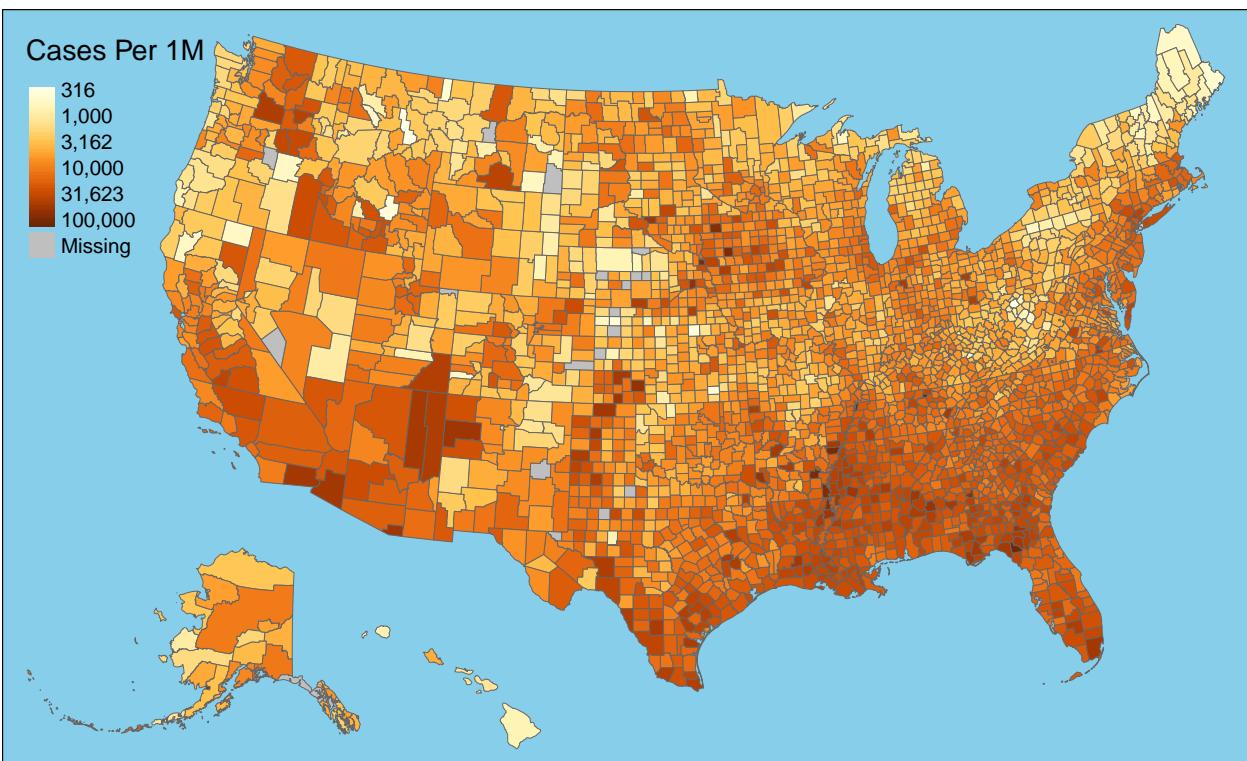
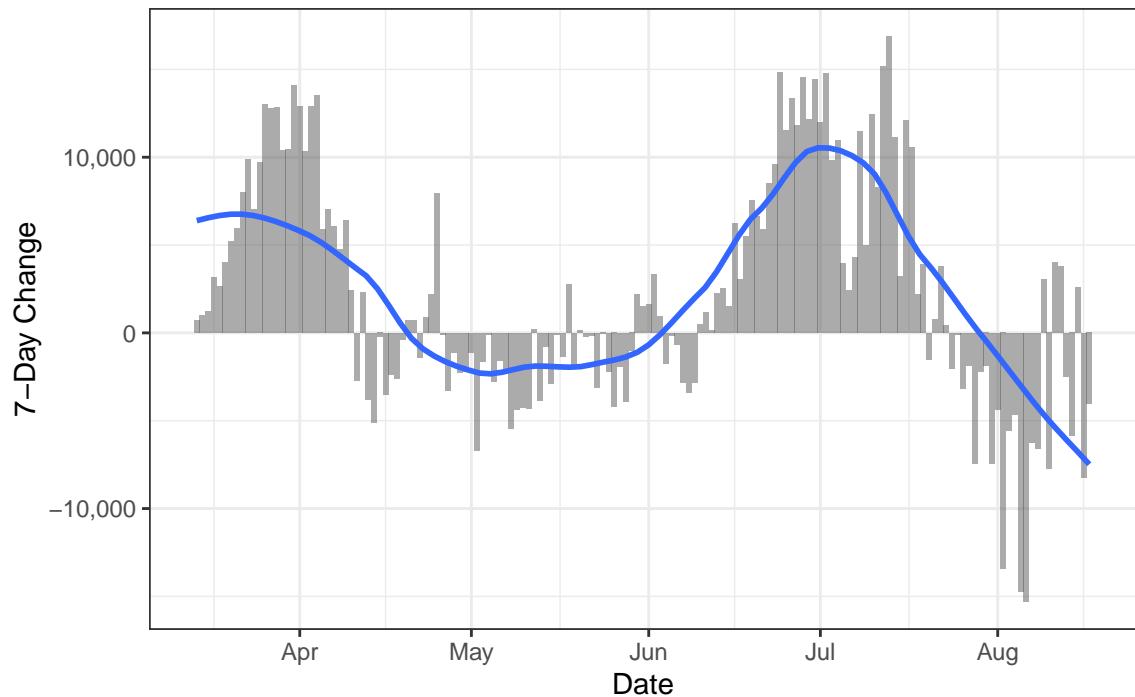
Active Cases



New Cases

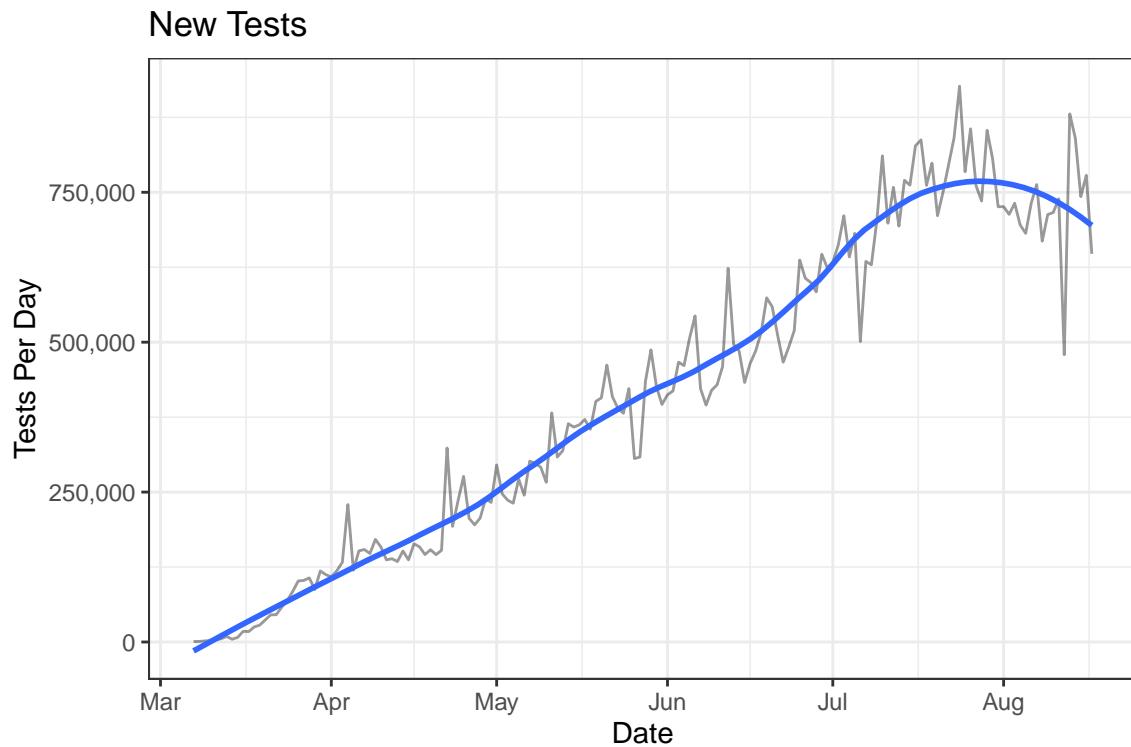
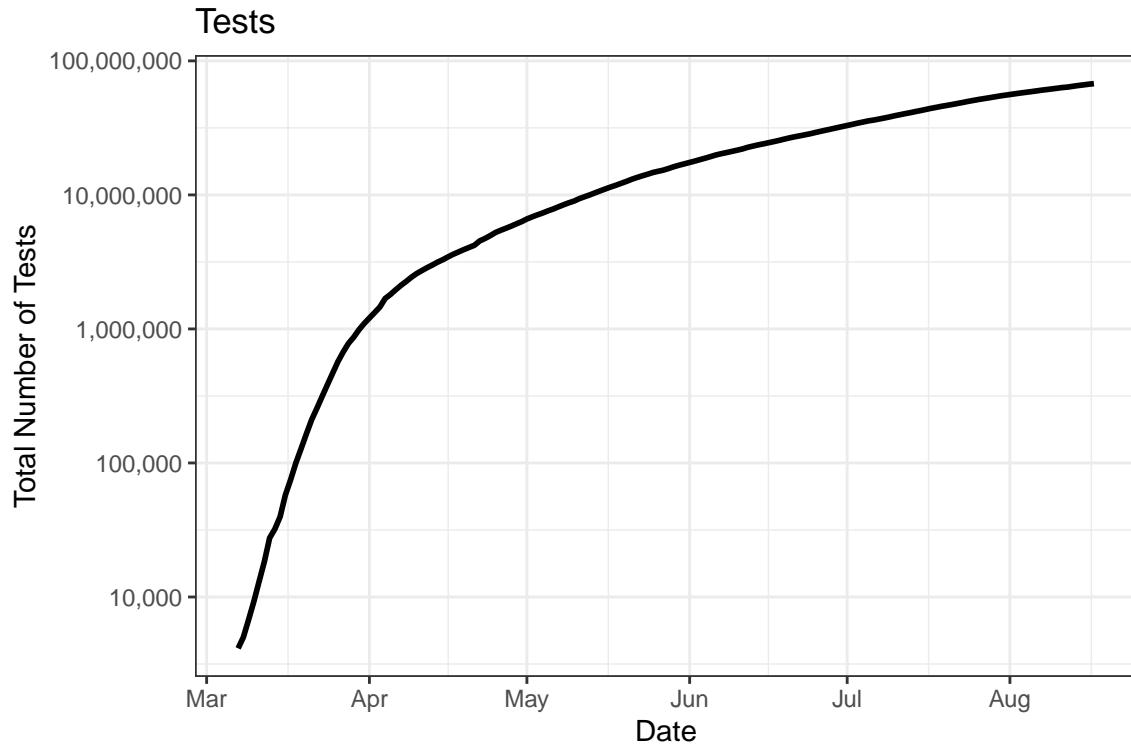


One-Week Change in Daily Cases

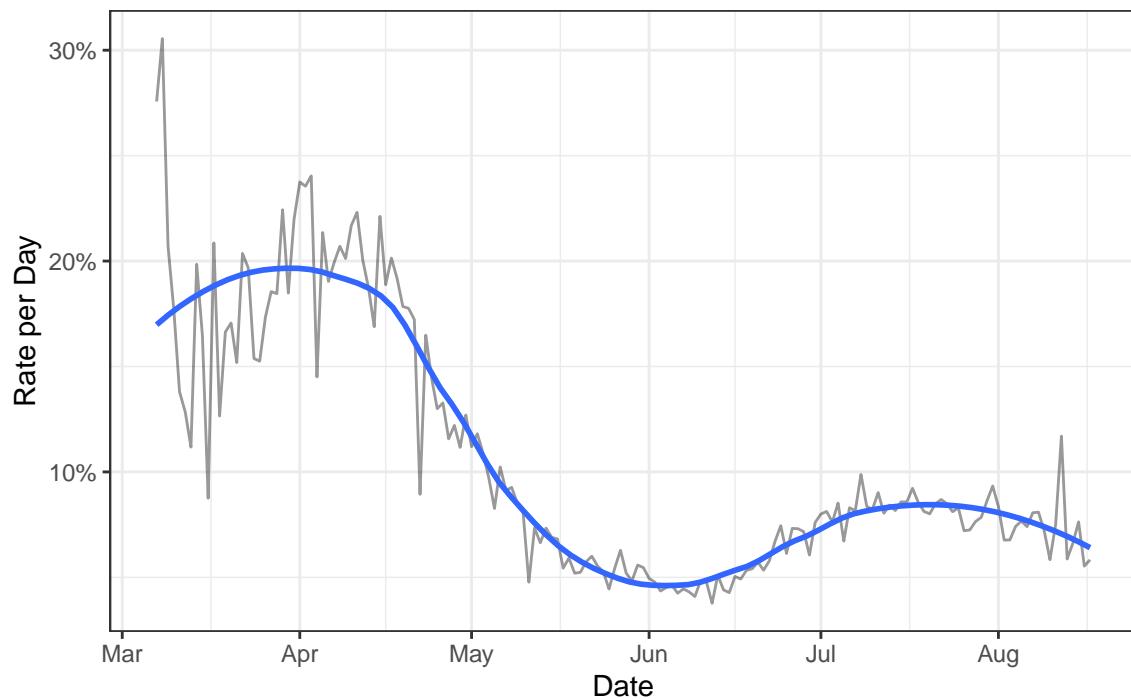


Testing

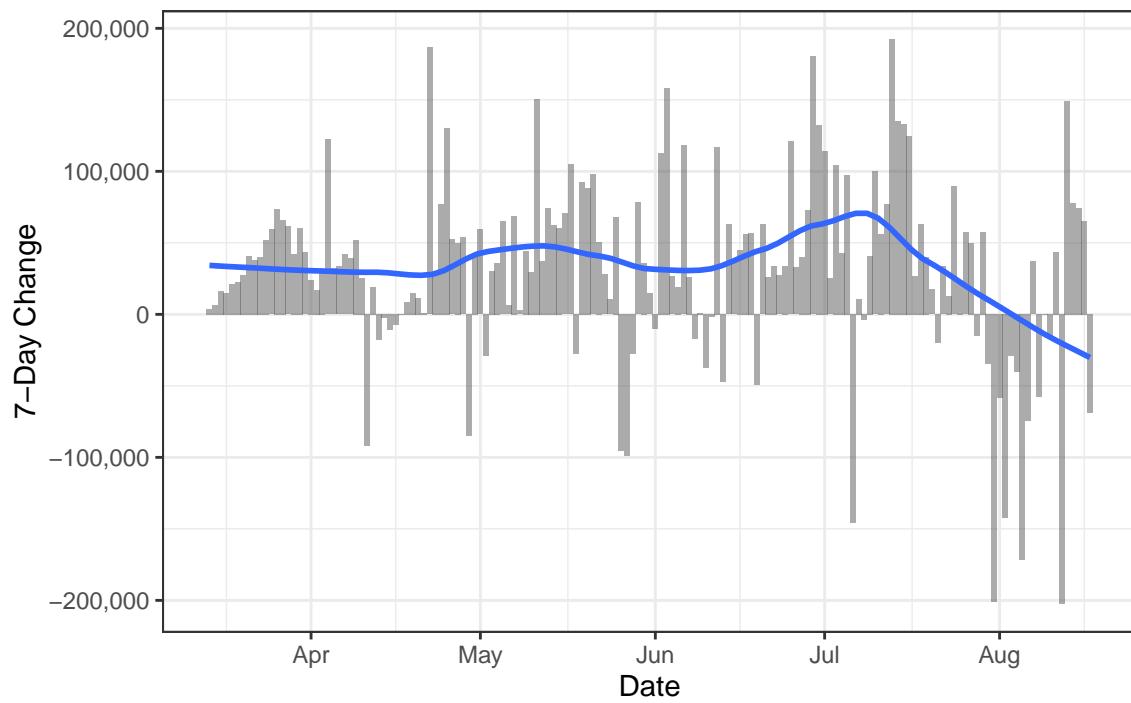
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

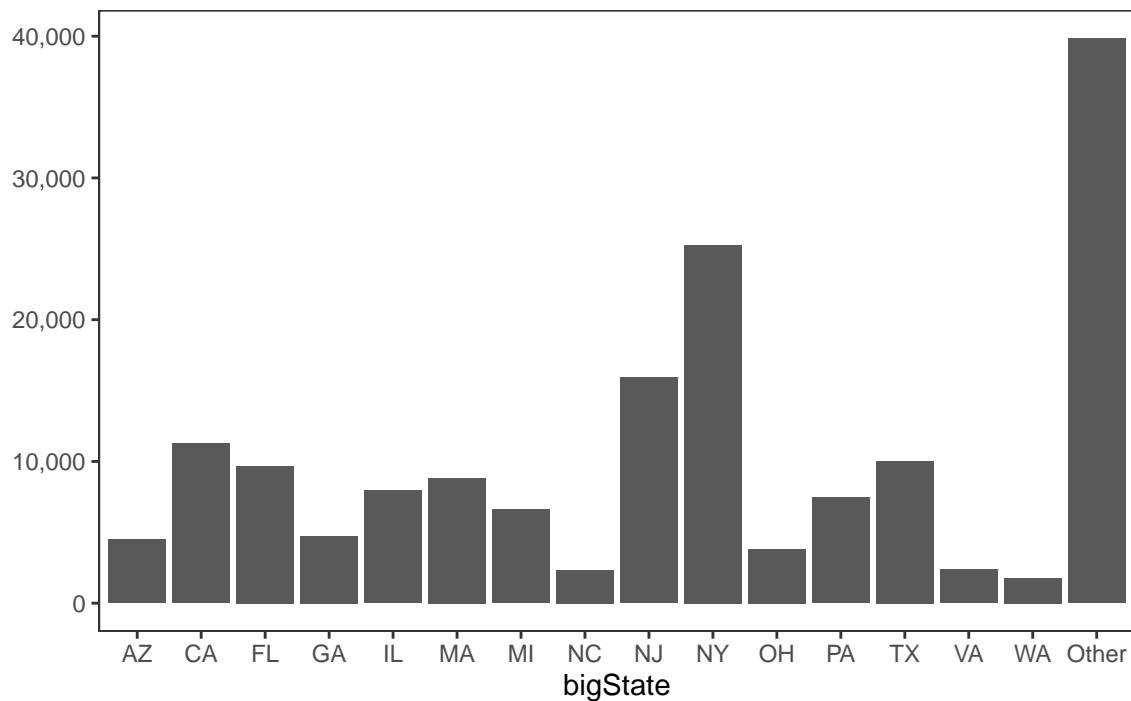


State Data

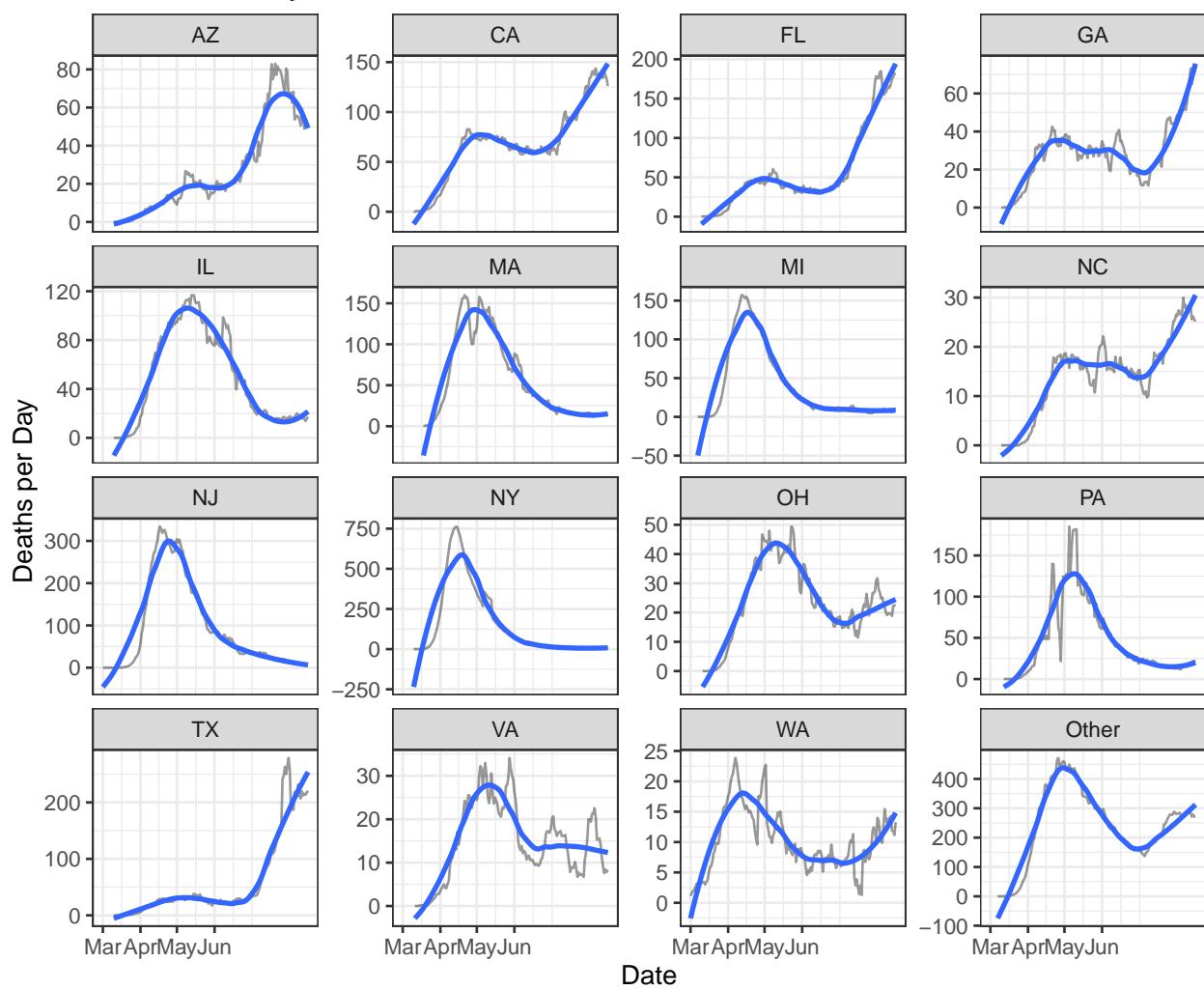
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

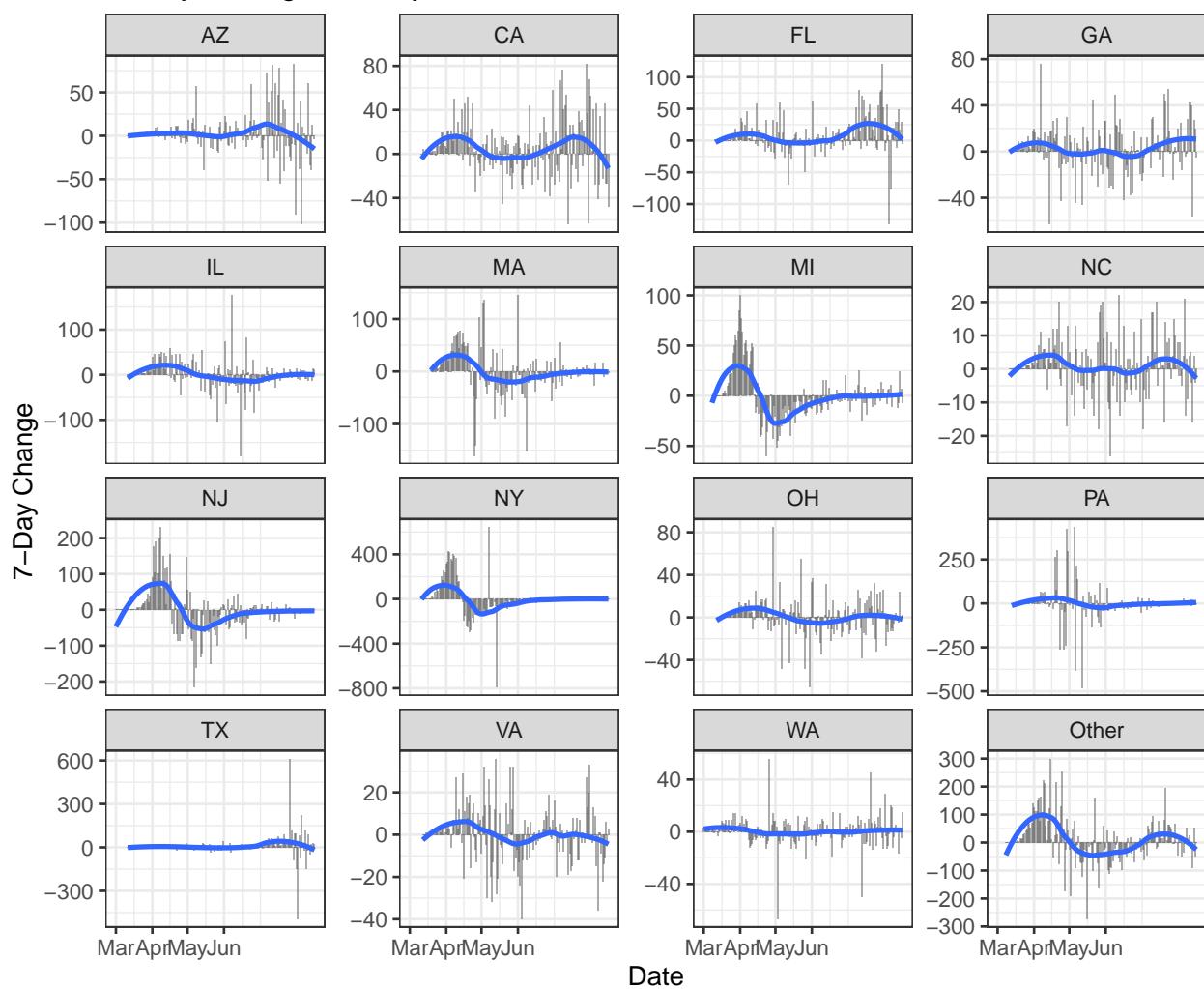
Deaths by State

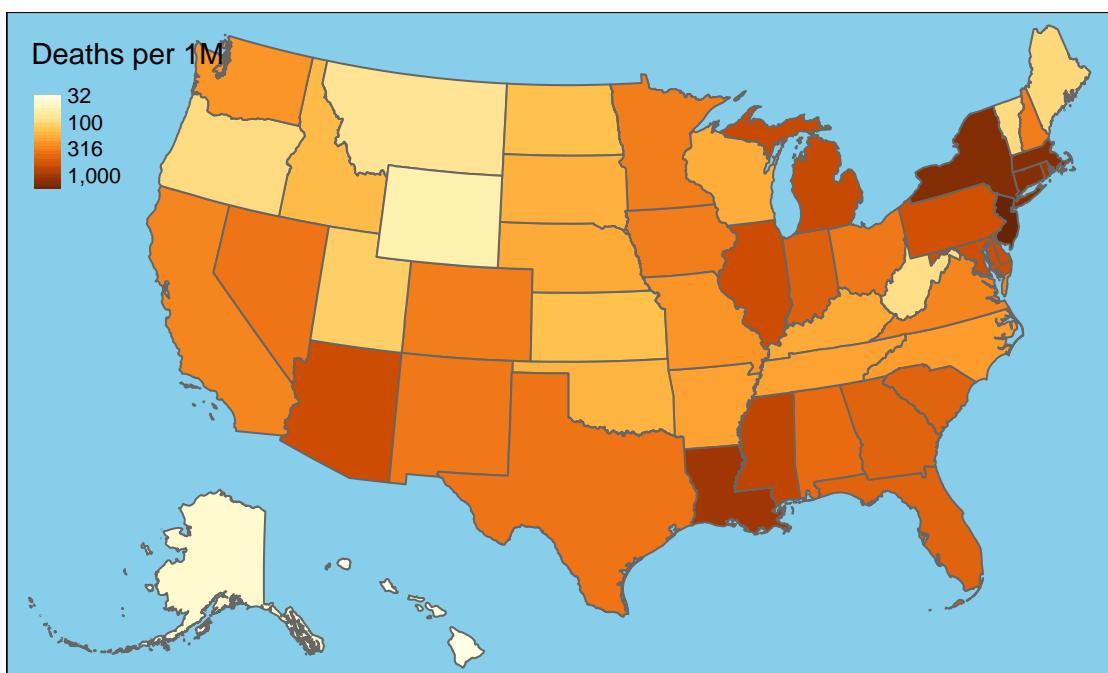
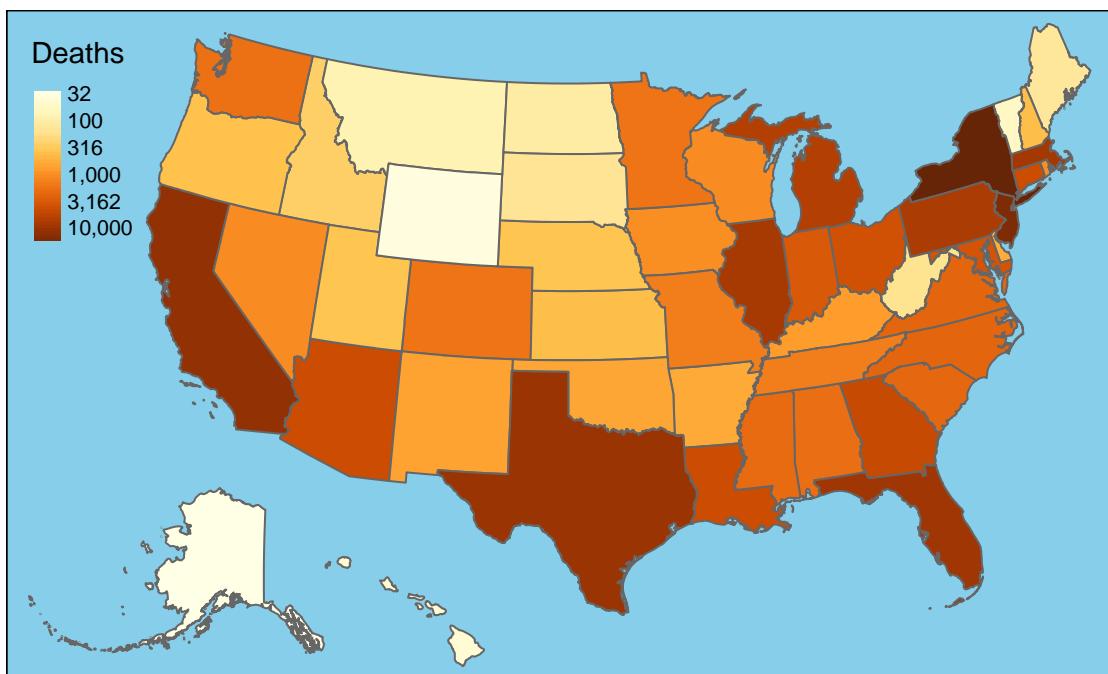


New Deaths by State



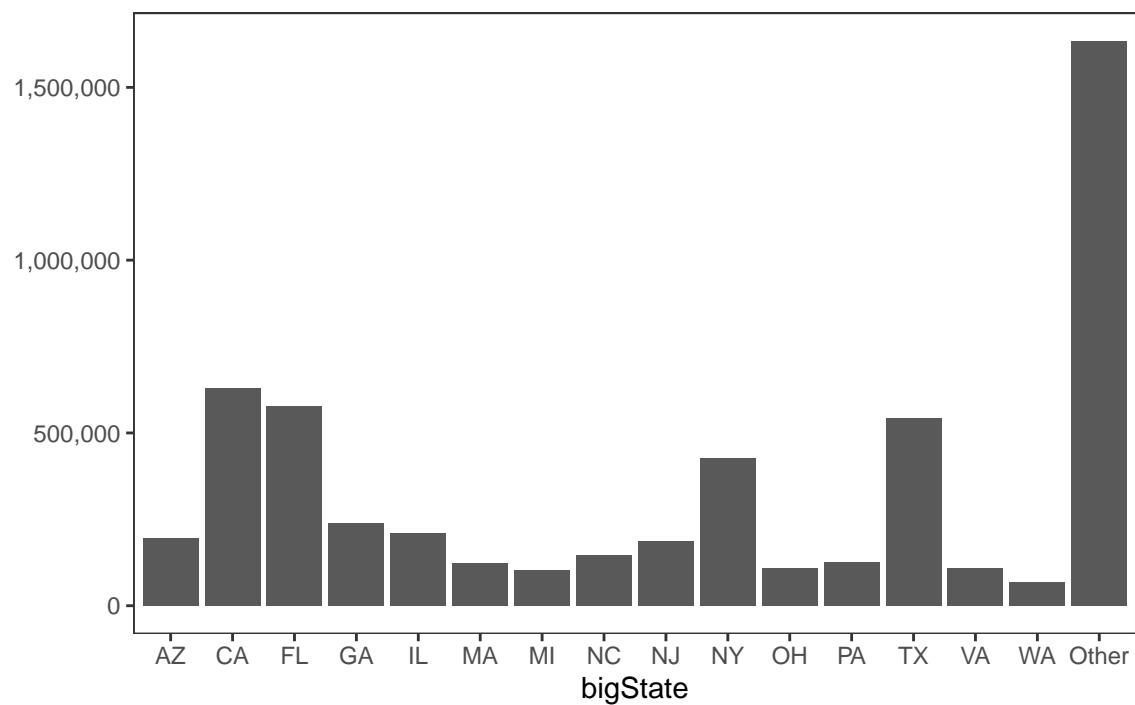
7-Day Change in Daily Deaths



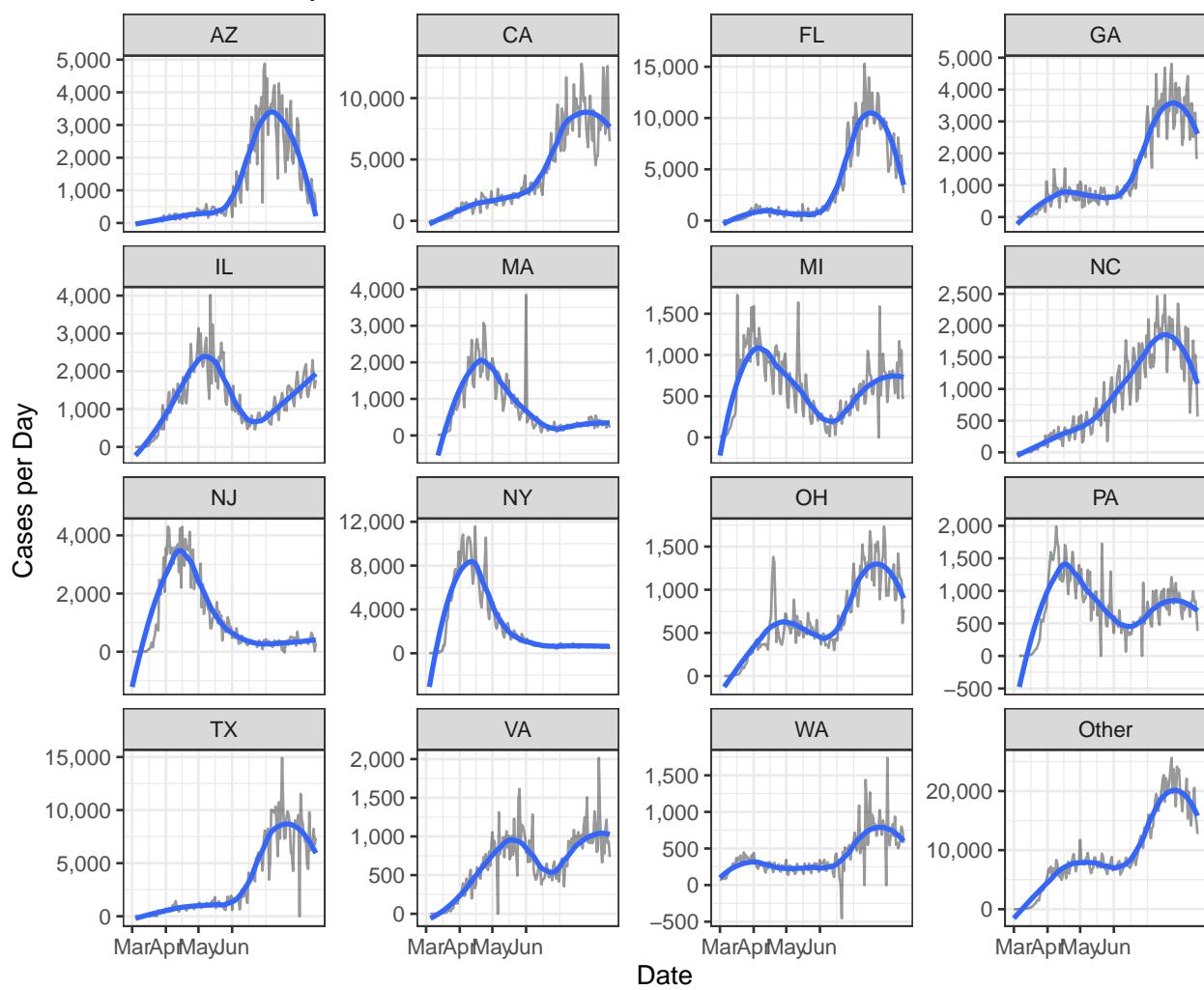


Cases

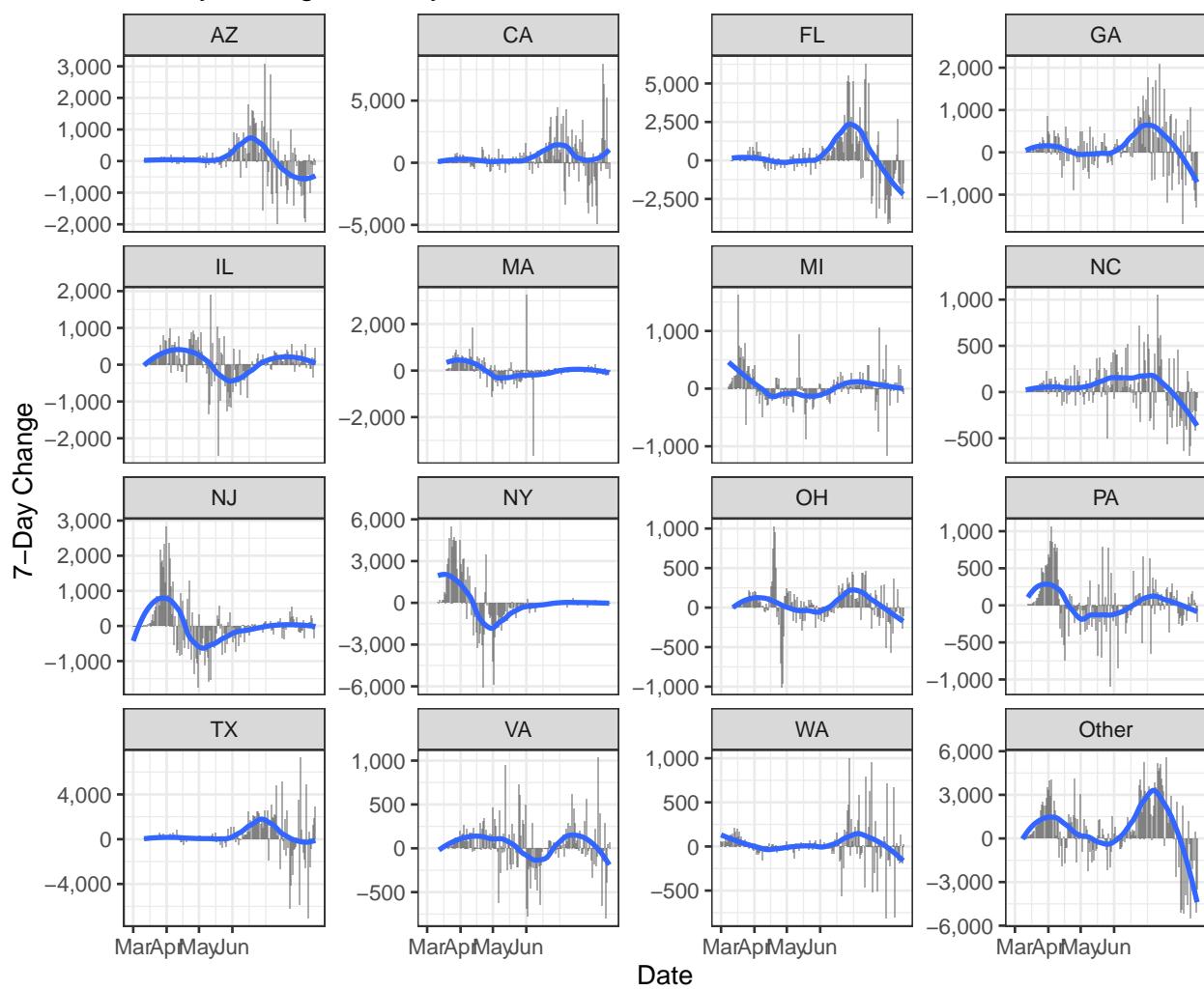
Cases by State

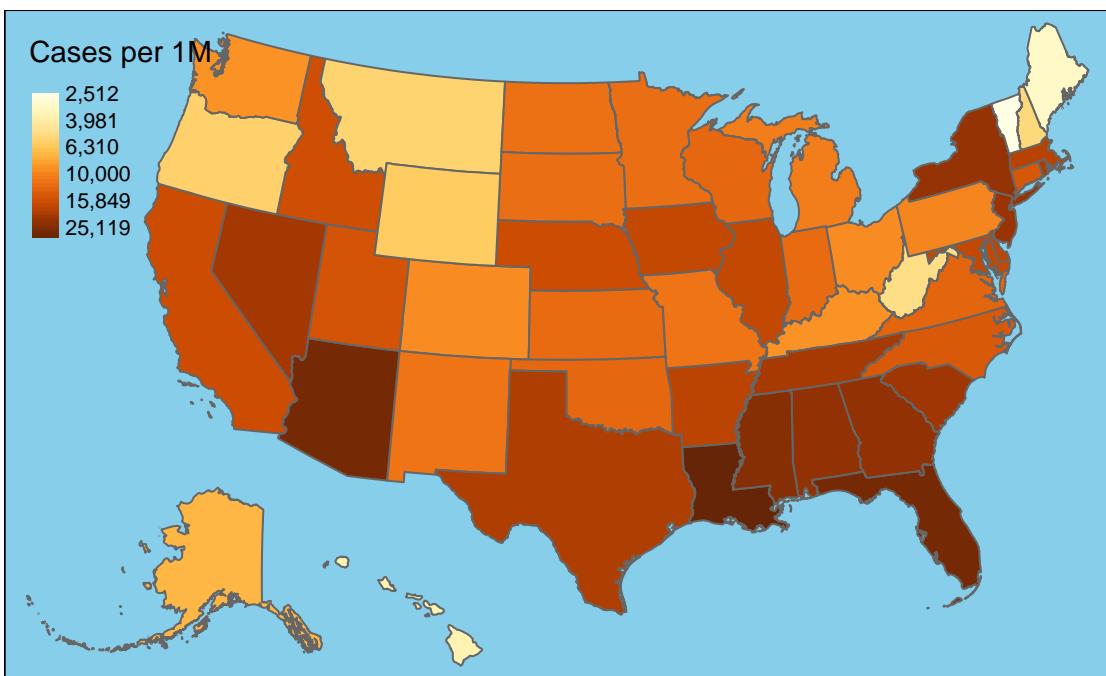
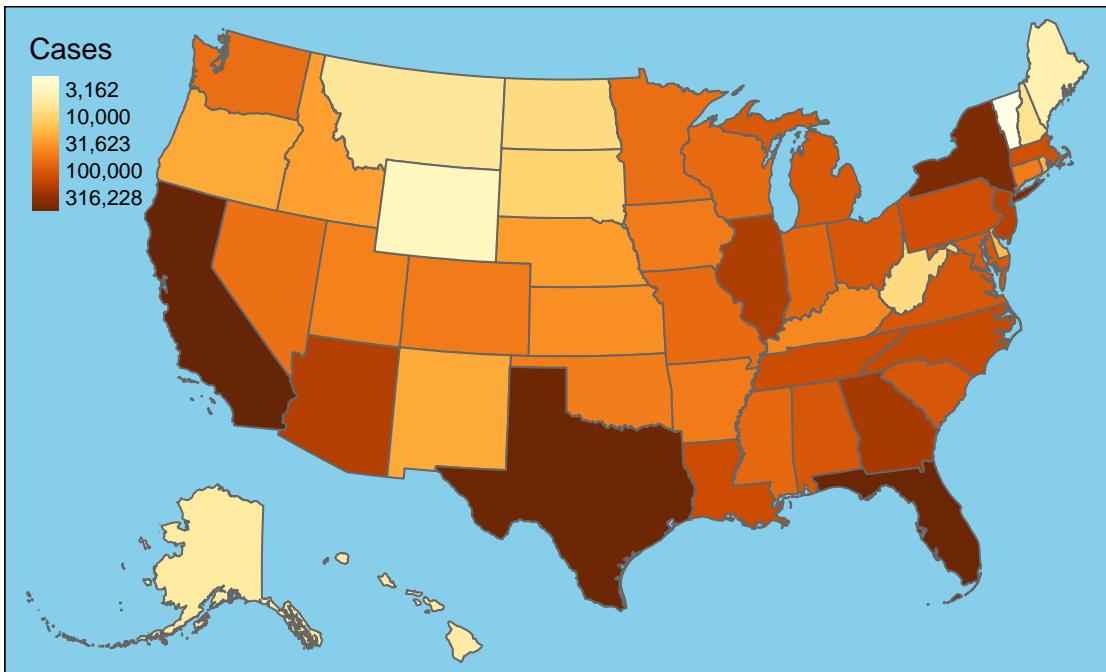


New Cases by State

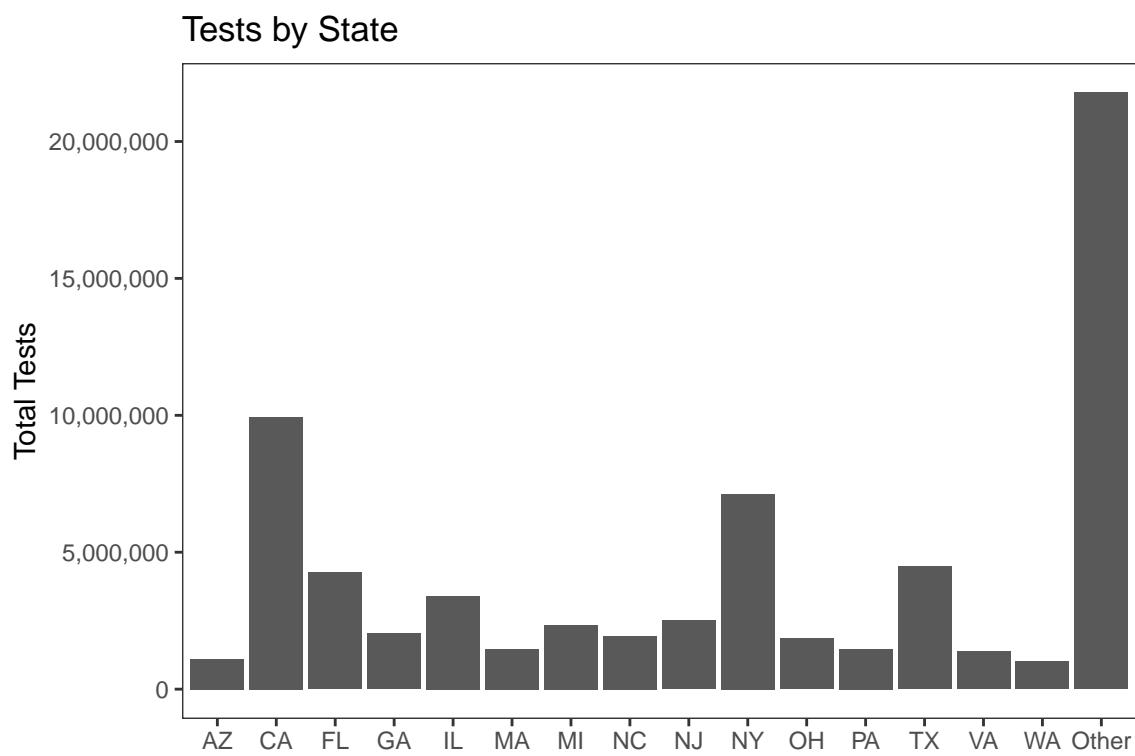


7-Day Change in Daily Cases

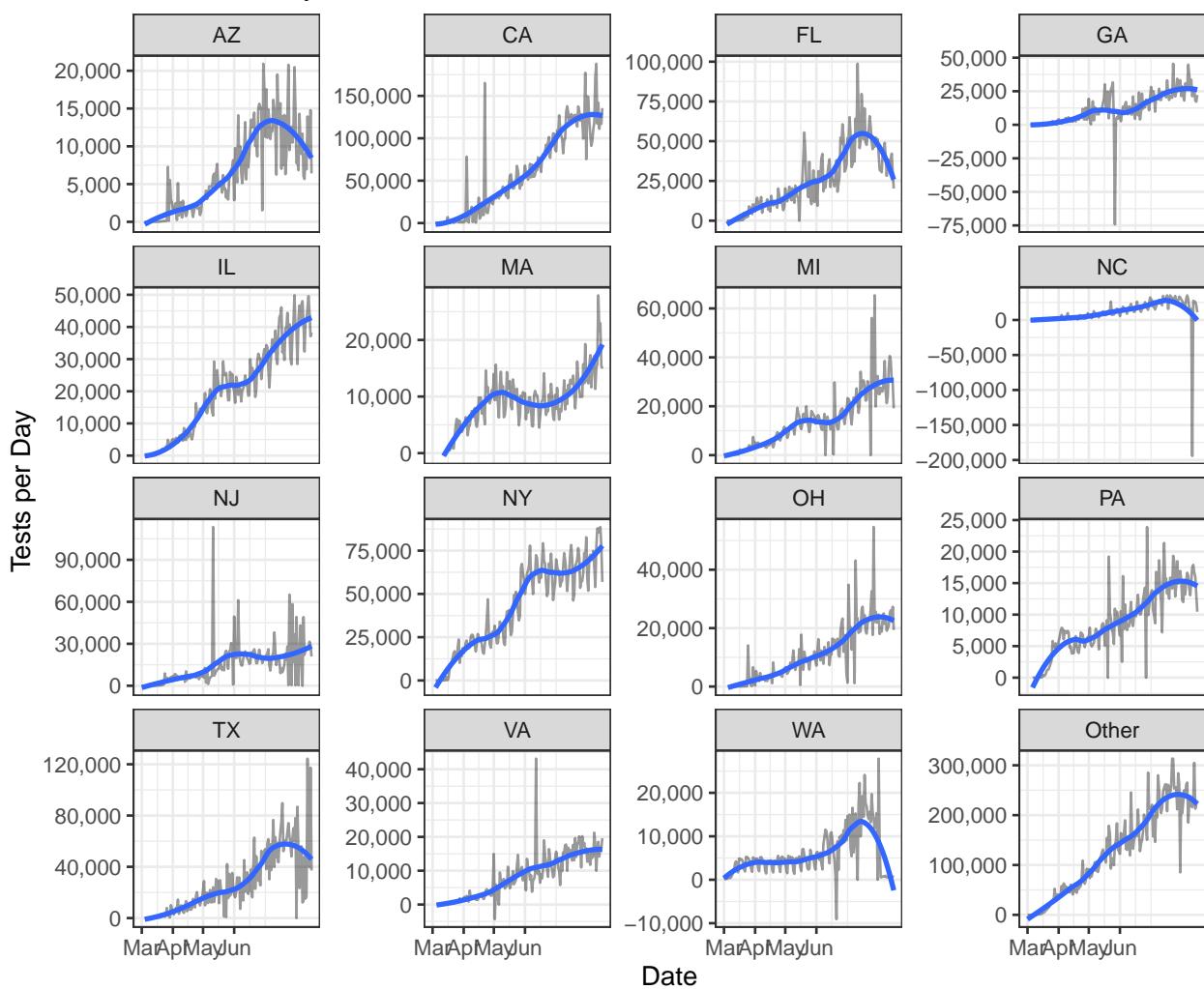


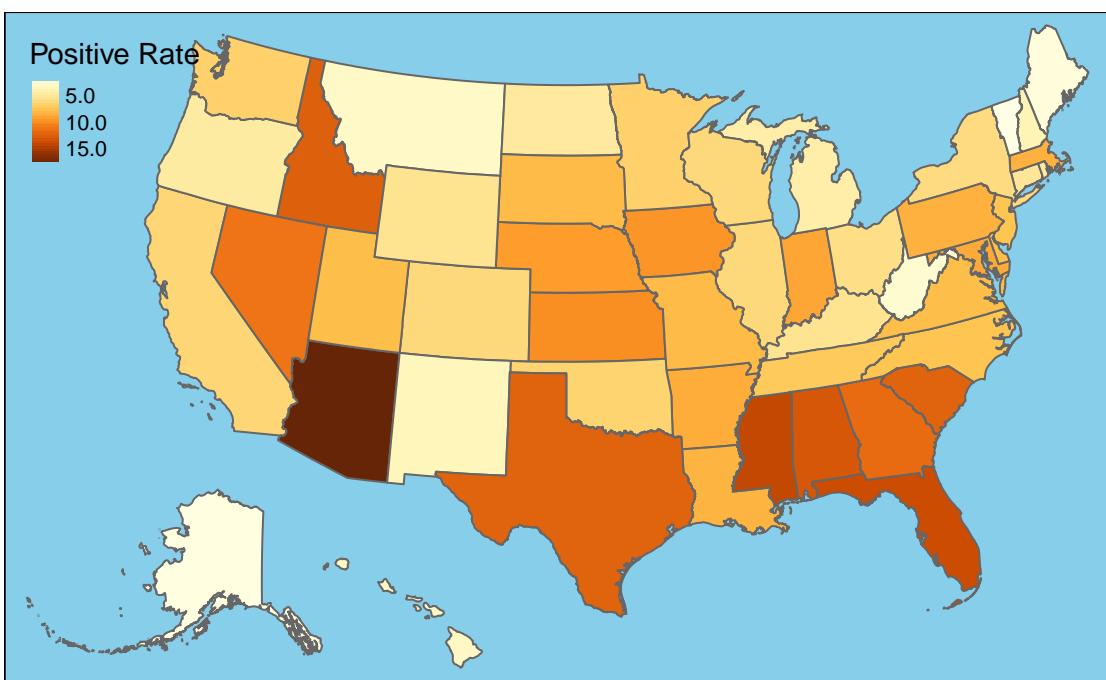
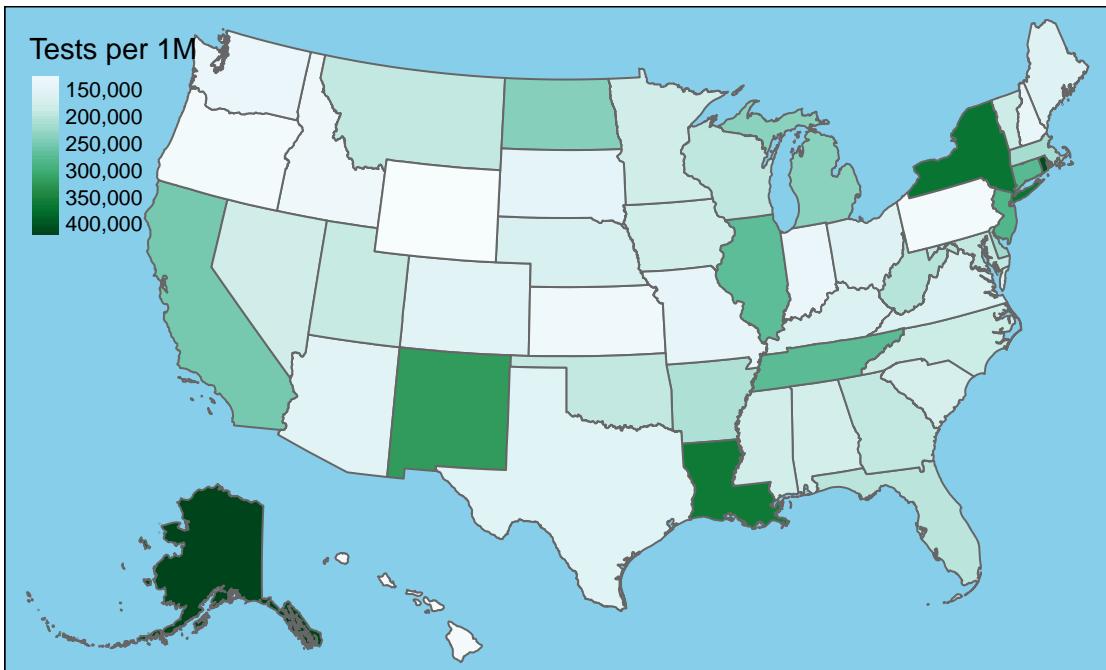


Testing



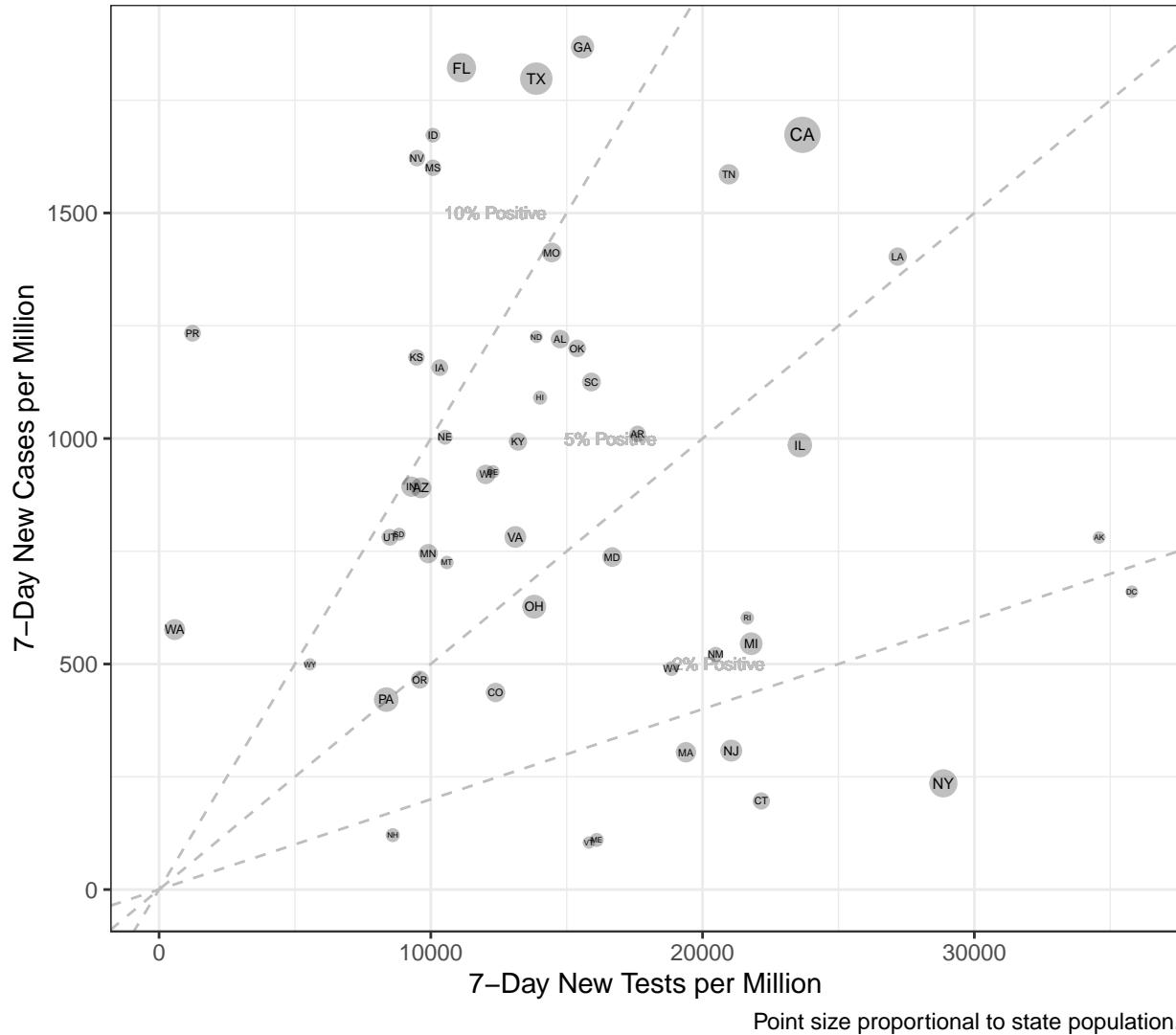
New Tests by State





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



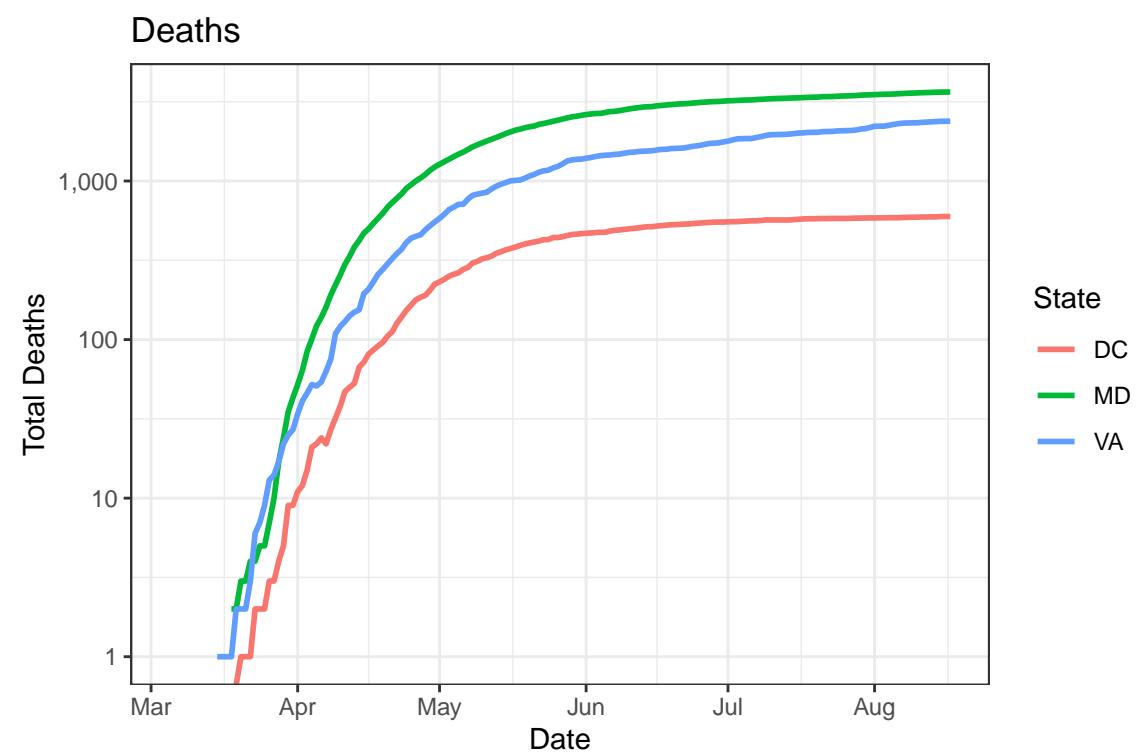
Local Data

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

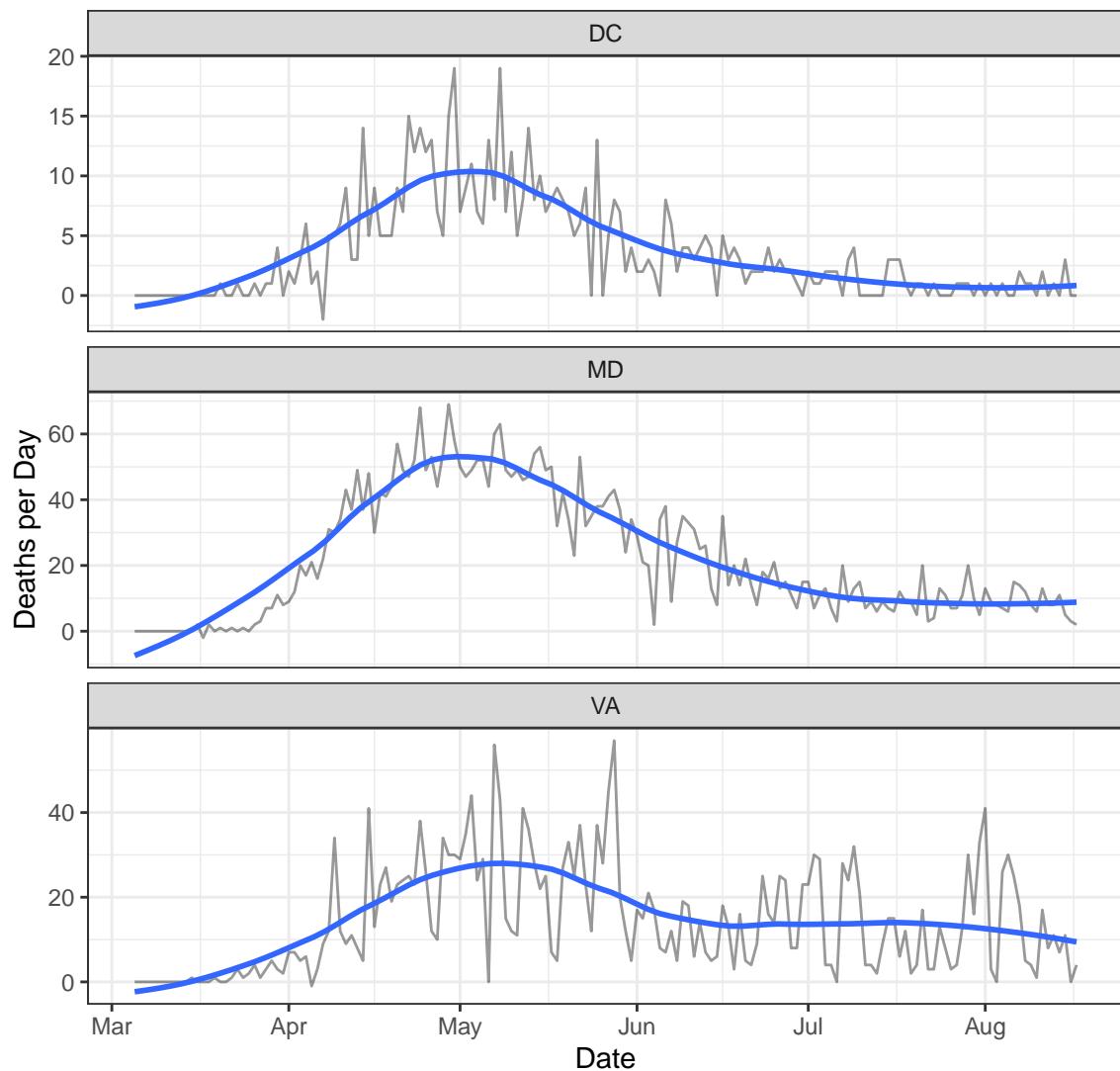
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	13,273	597	53	0
MD	100,715	3,641	503	2
VA	107,421	2,385	734	4

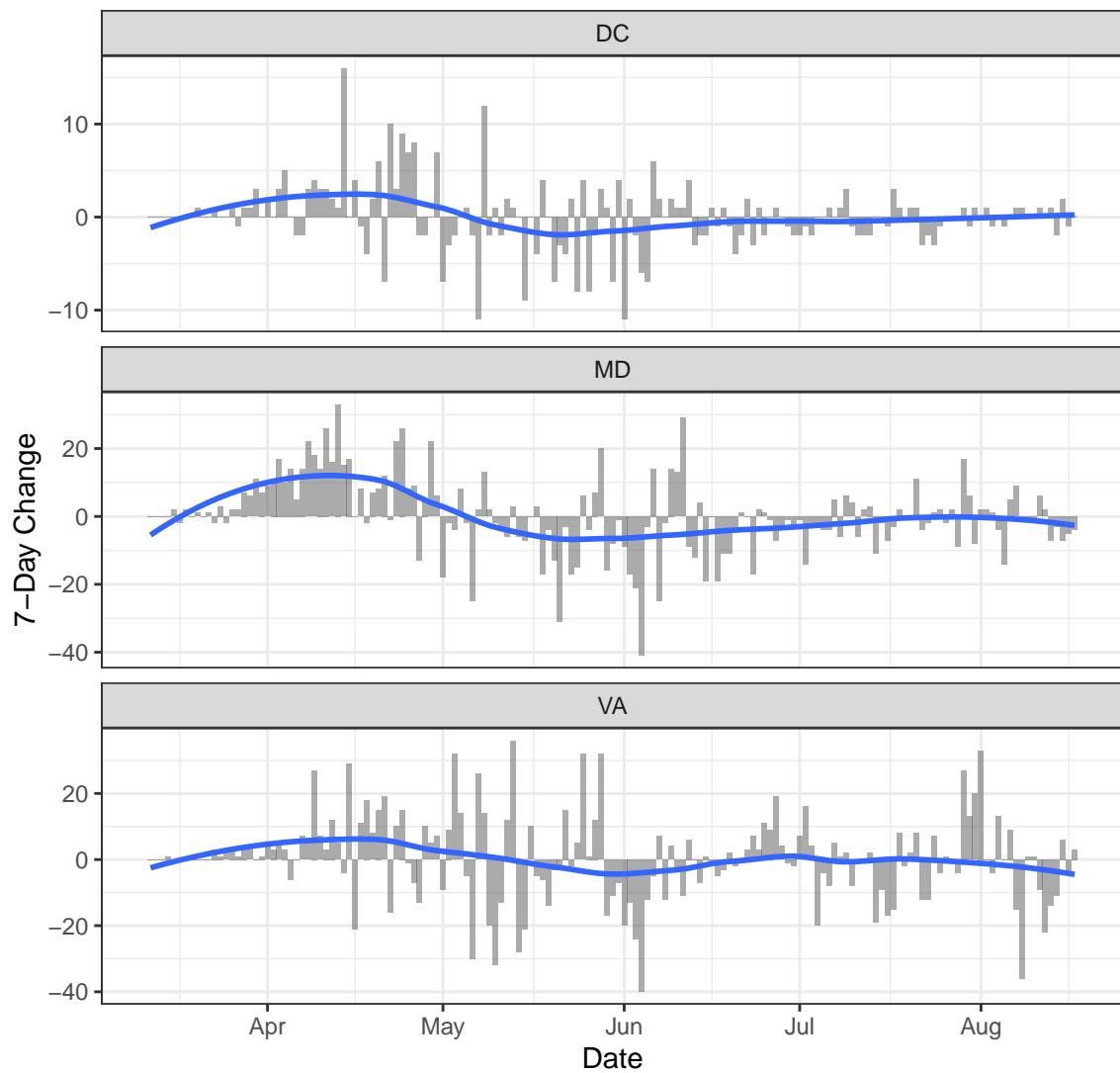
Deaths

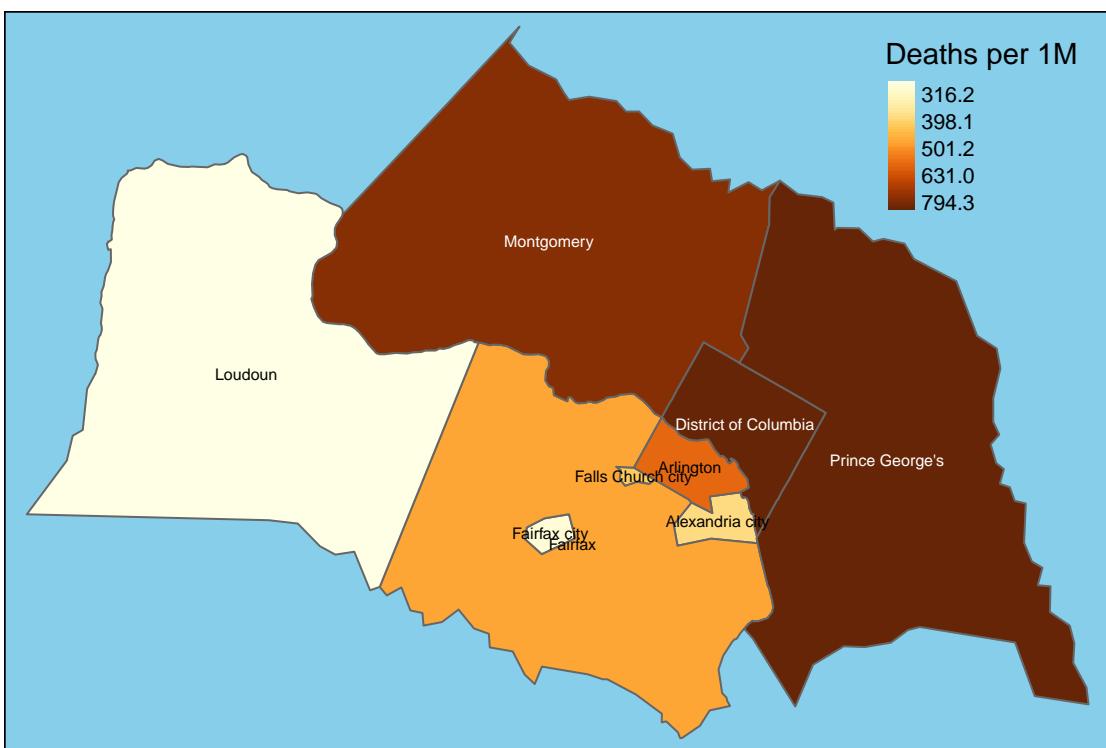
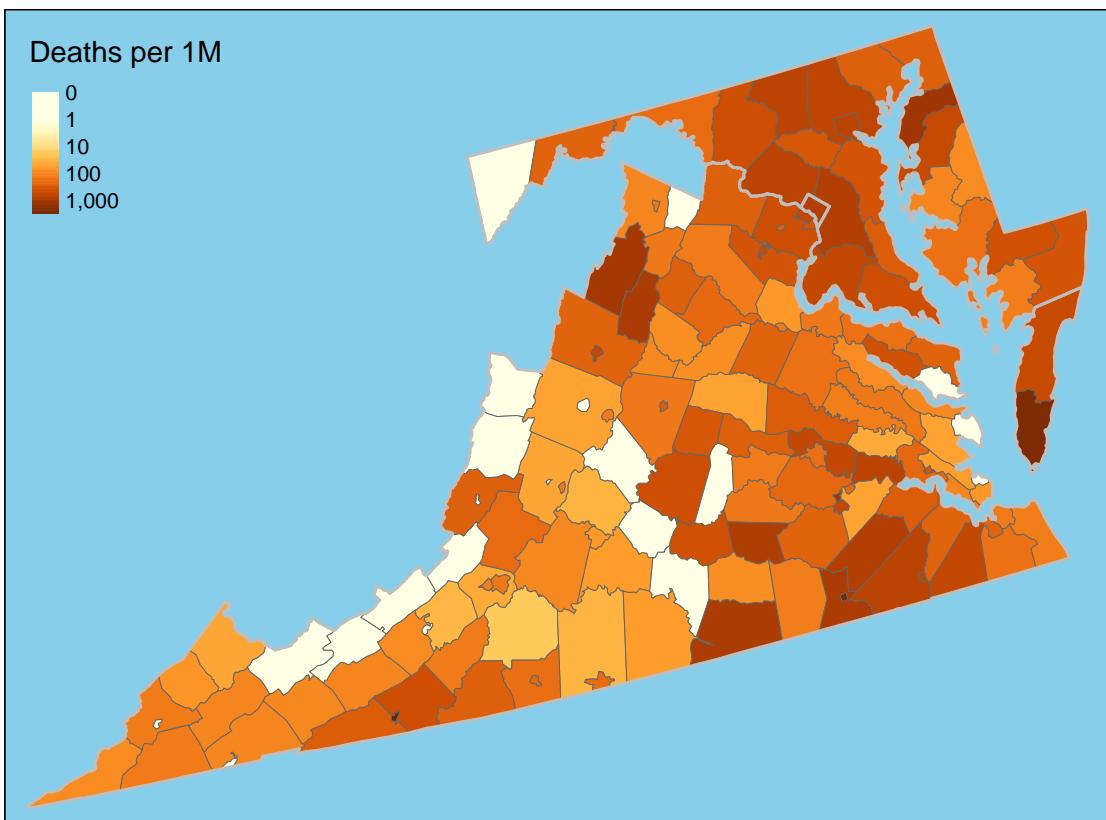


New Deaths

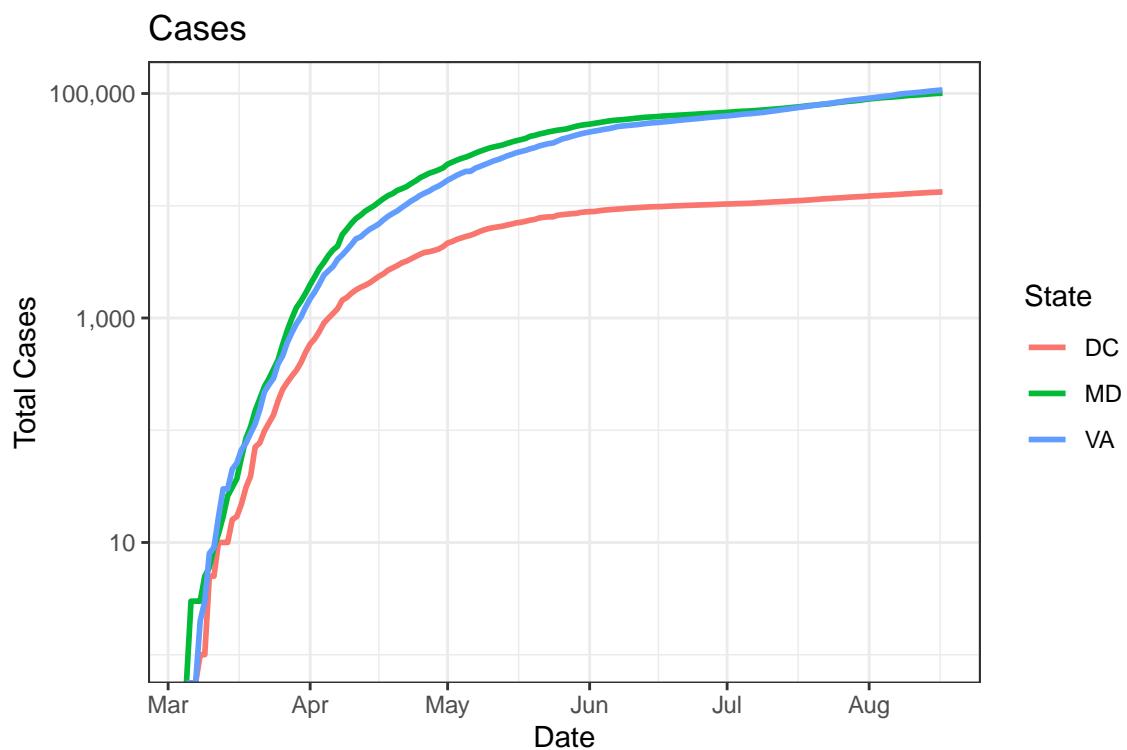


One-Week Change in Daily Deaths

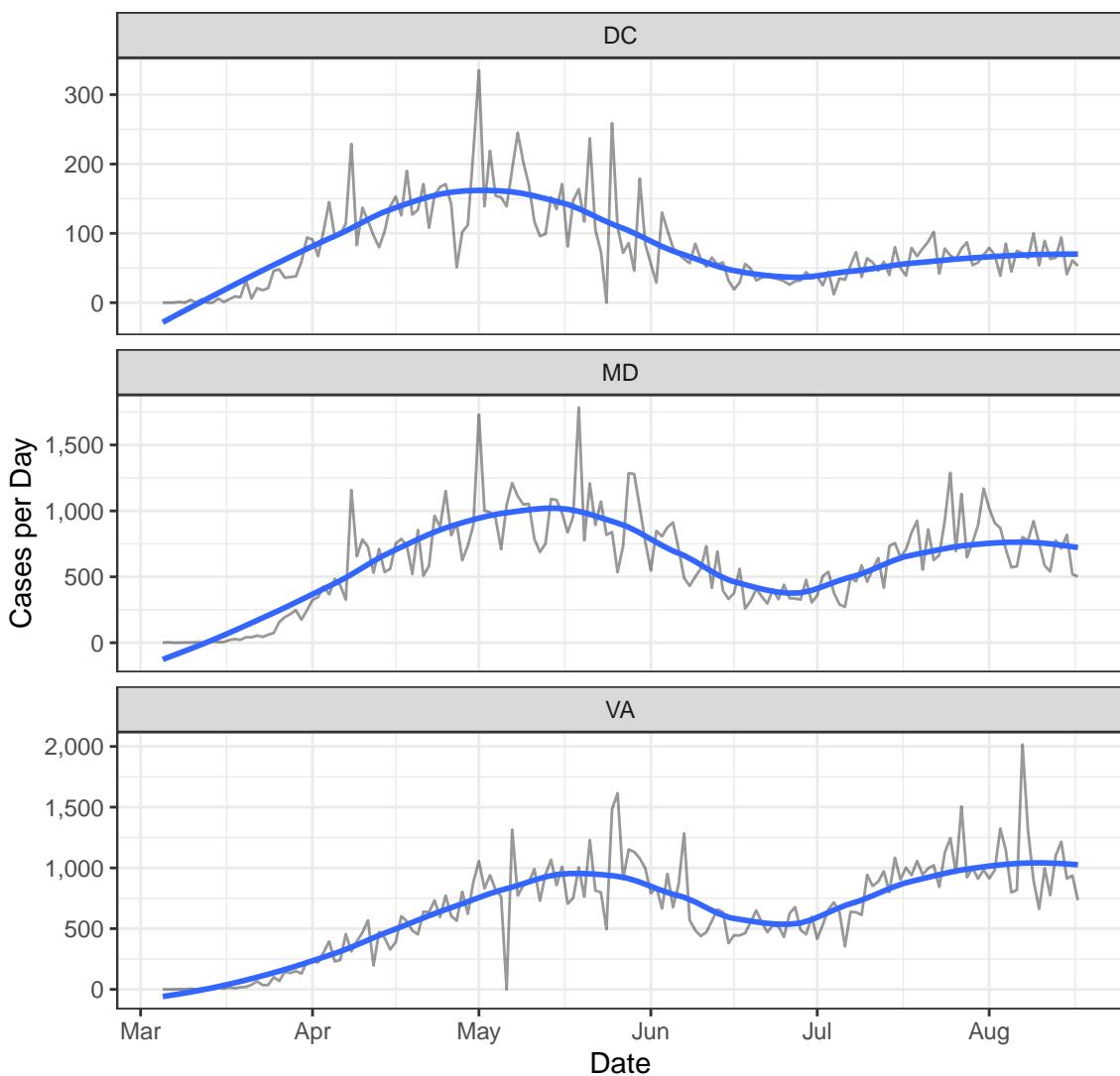




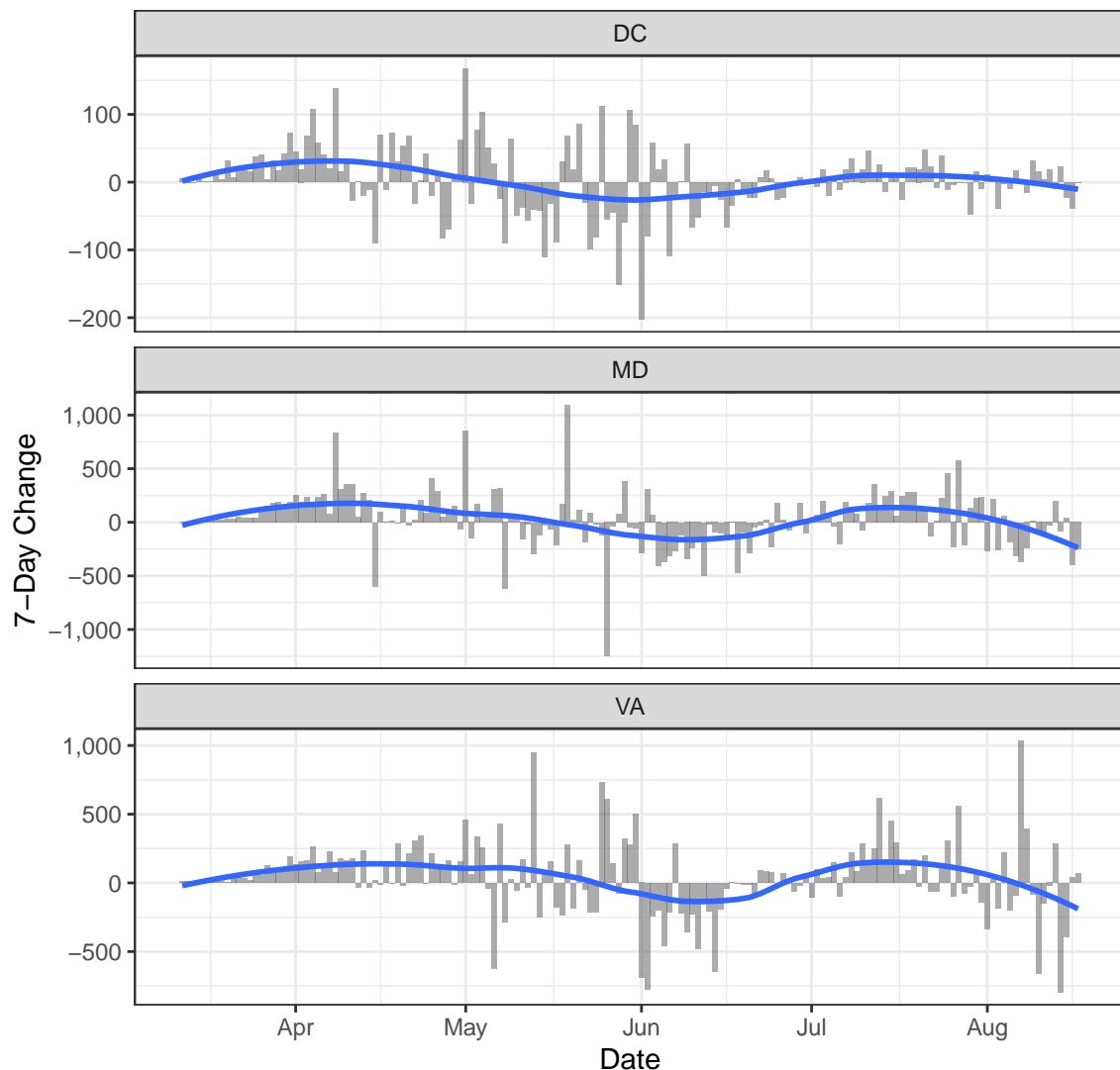
Cases

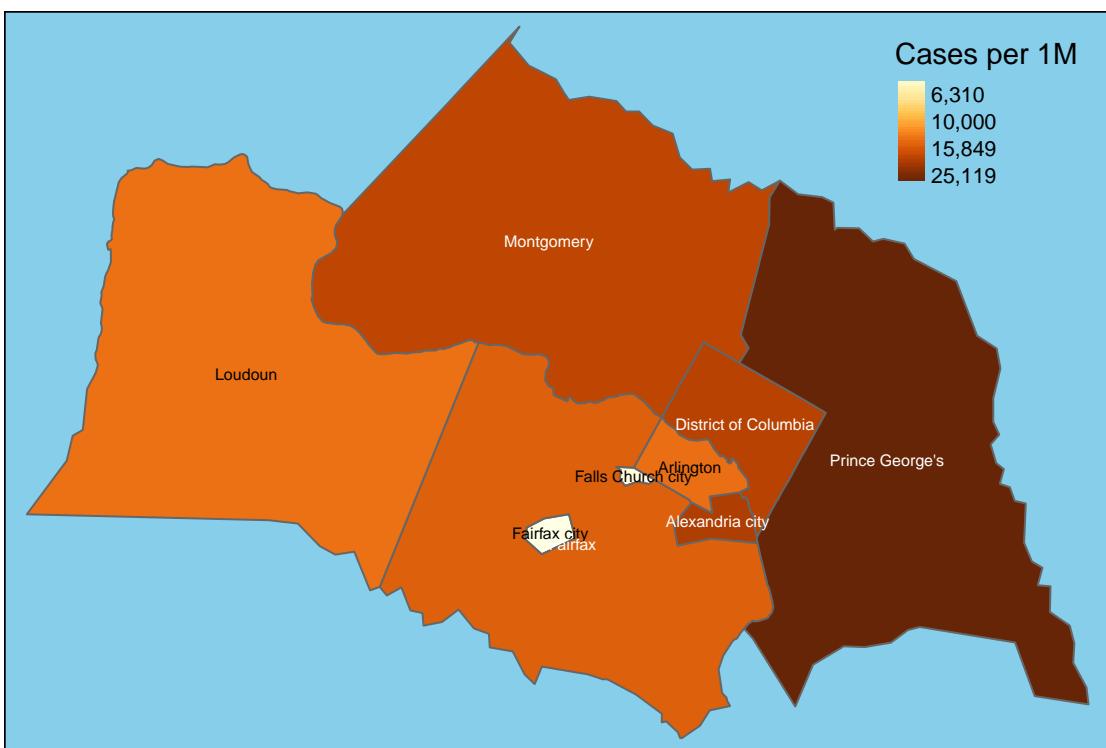
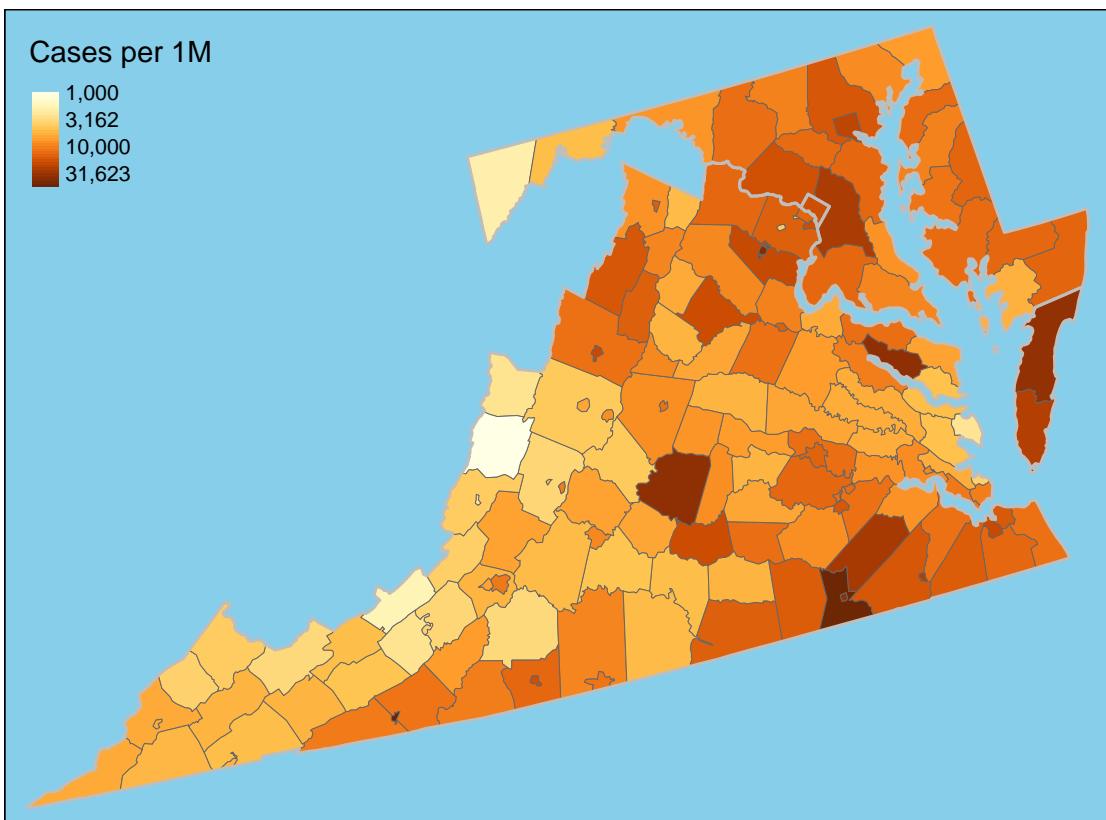


New Cases

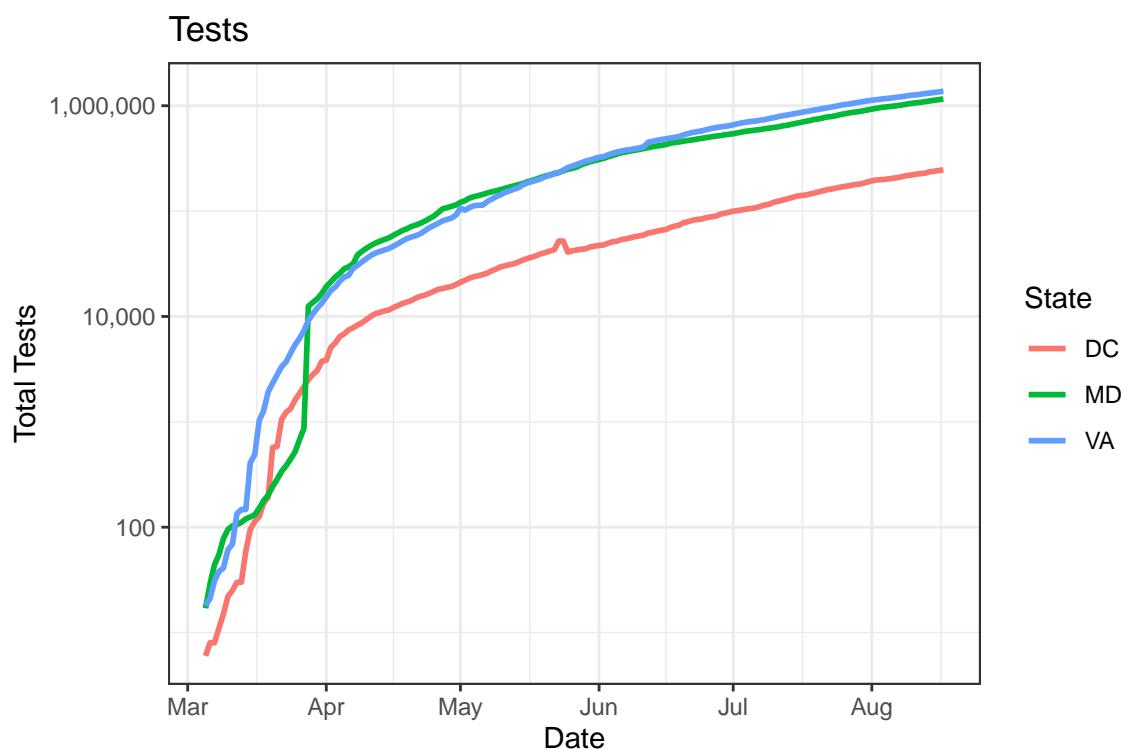


One-Week Change in Daily Cases

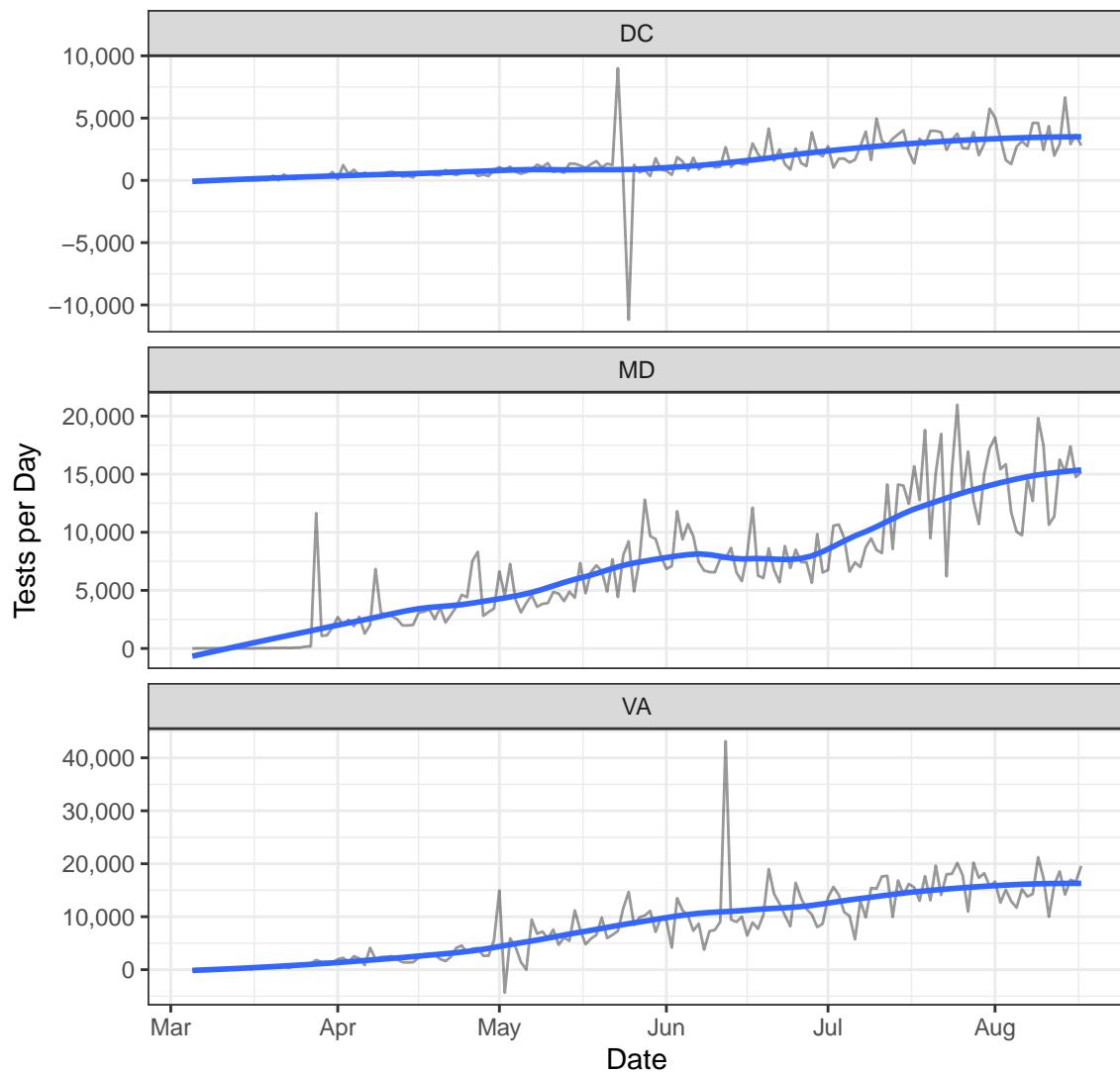




Testing



New Tests



Positive Test Rate

