

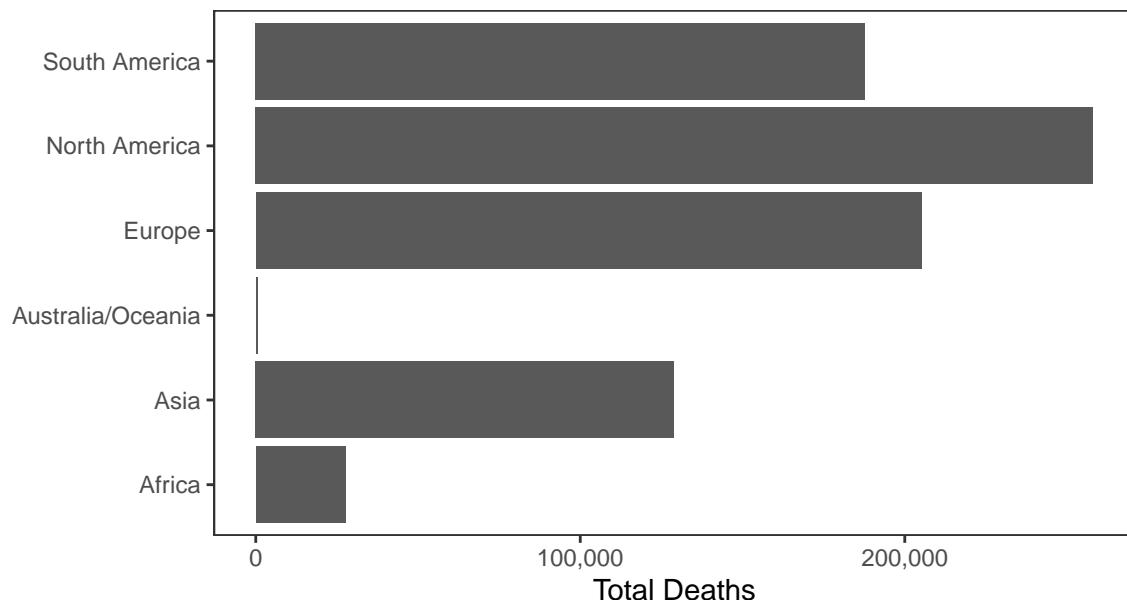
Erik's Covid-19 Chart Pack

Data updated 2020-08-23 10:19:07. 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 23,371,186 confirmed Covid-19 cases and 807,949 deaths worldwide.

Deaths



Cases

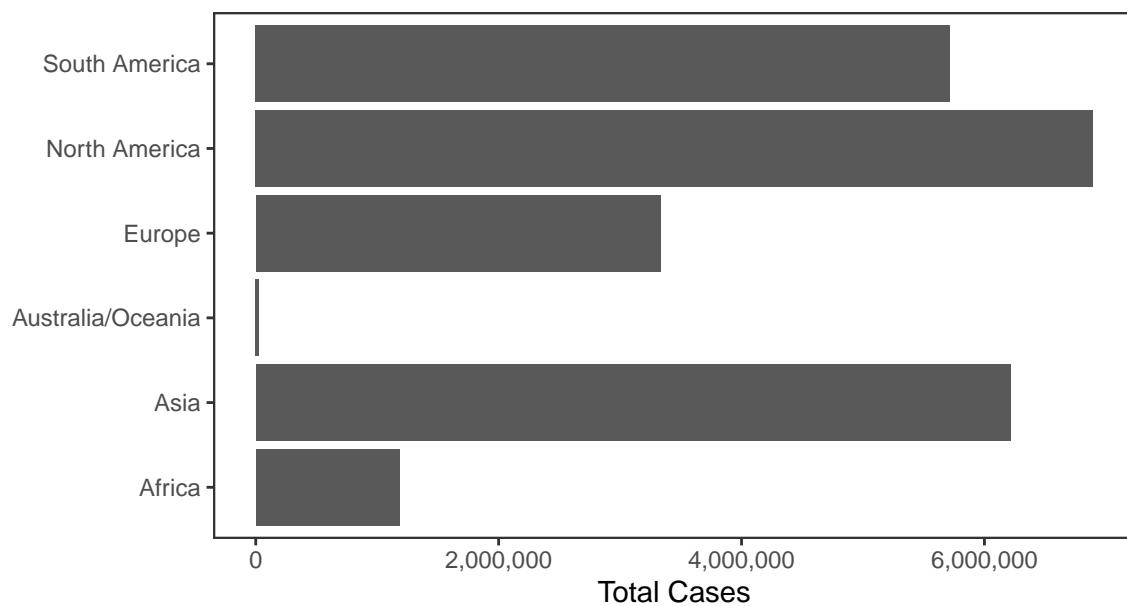
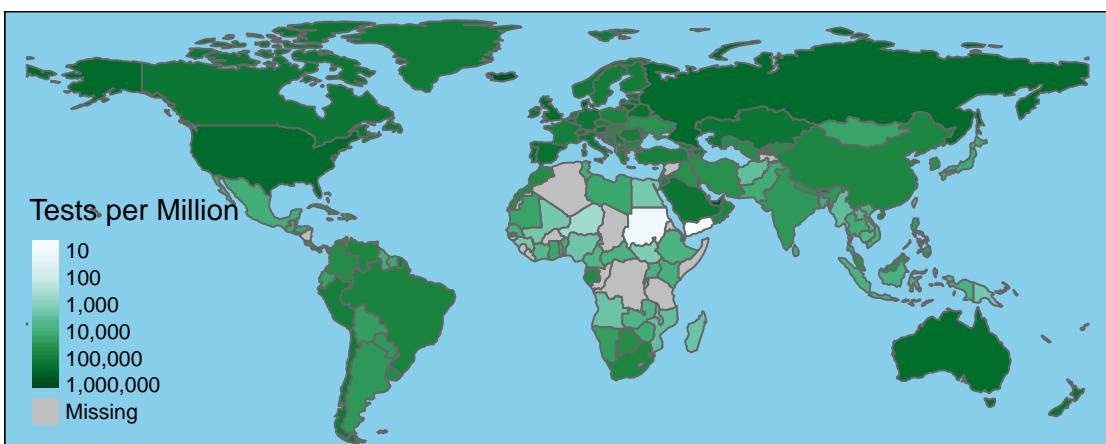
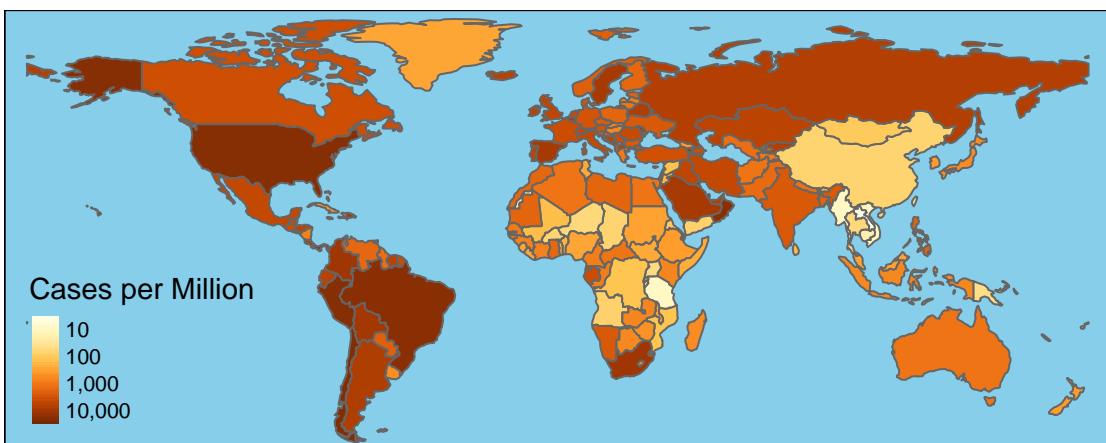
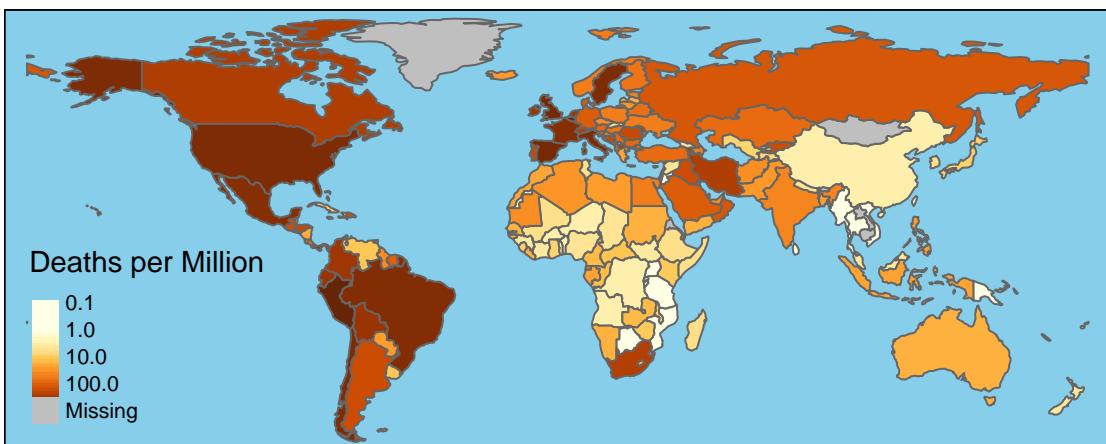


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	5,841,428	180,174	43,829	974
Brazil	3,582,698	114,277	46,210	823
India	3,043,436	56,846	70,068	918
Russia	951,897	16,310	4,921	121
South Africa	607,045	12,987	3,707	144
Peru	585,236	27,453	9,169	208
Mexico	549,734	59,610	5,928	504
Colombia	533,103	16,968	10,965	400
Spain	407,879	28,838	0	0
Chile	395,708	10,792	1,939	69
Iran	356,792	20,502	2,028	126
Argentina	336,802	6,848	7,759	118
UK	324,601	41,423	1,288	18
Saudi Arabia	306,370	3,619	1,184	39
Bangladesh	292,625	3,907	2,265	46
Pakistan	292,174	6,231	586	12
Italy	258,136	35,430	1,071	3
Turkey	257,032	6,102	1,309	22
France	238,002	30,512	3,602	9
Germany	233,857	9,331	836	3



National Data

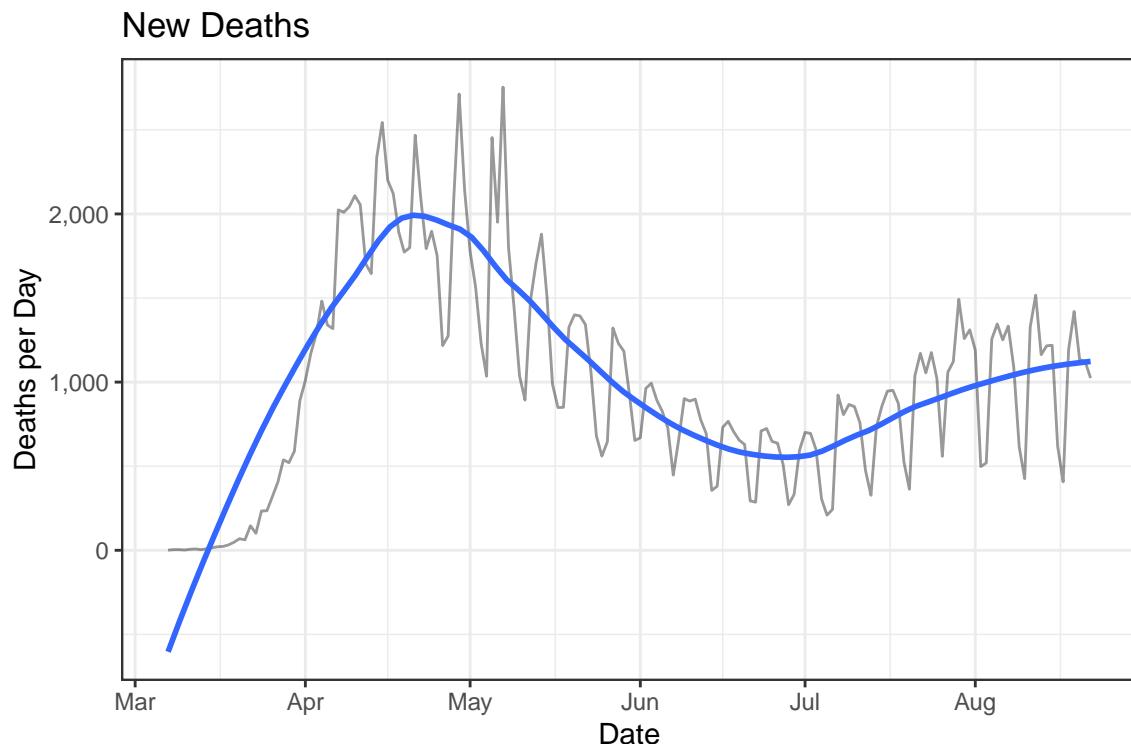
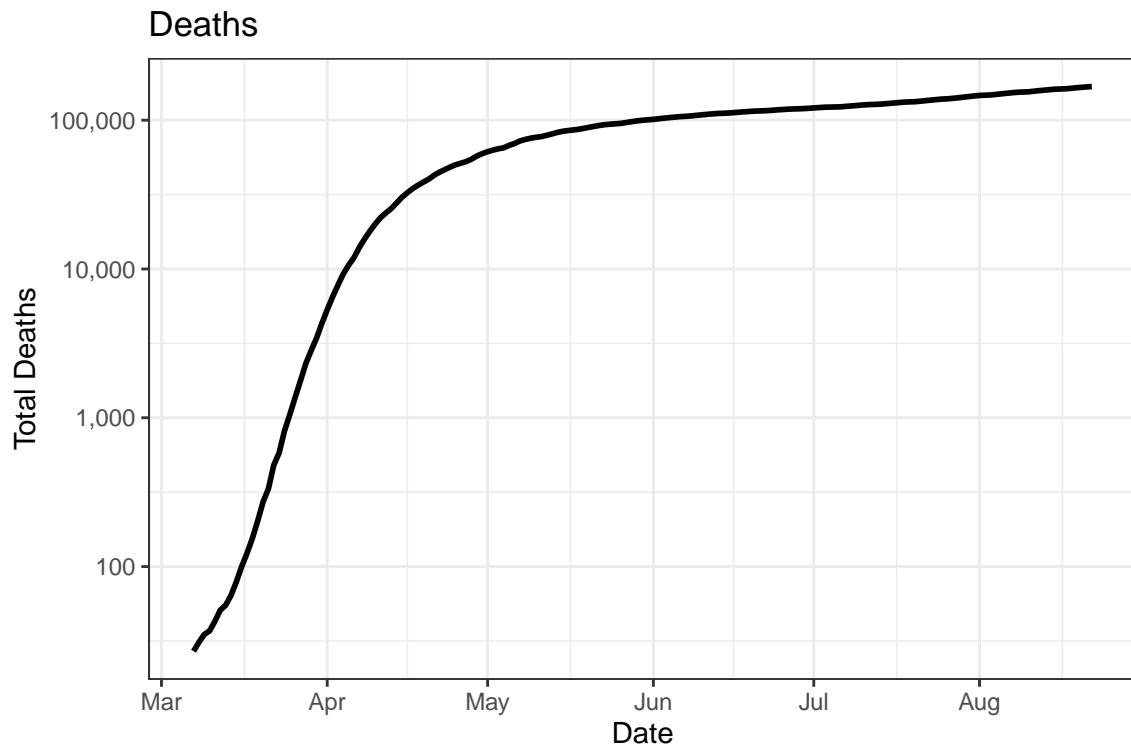
There have been 5,639,613 confirmed Covid-19 cases and 168,286 deaths in the United States.

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

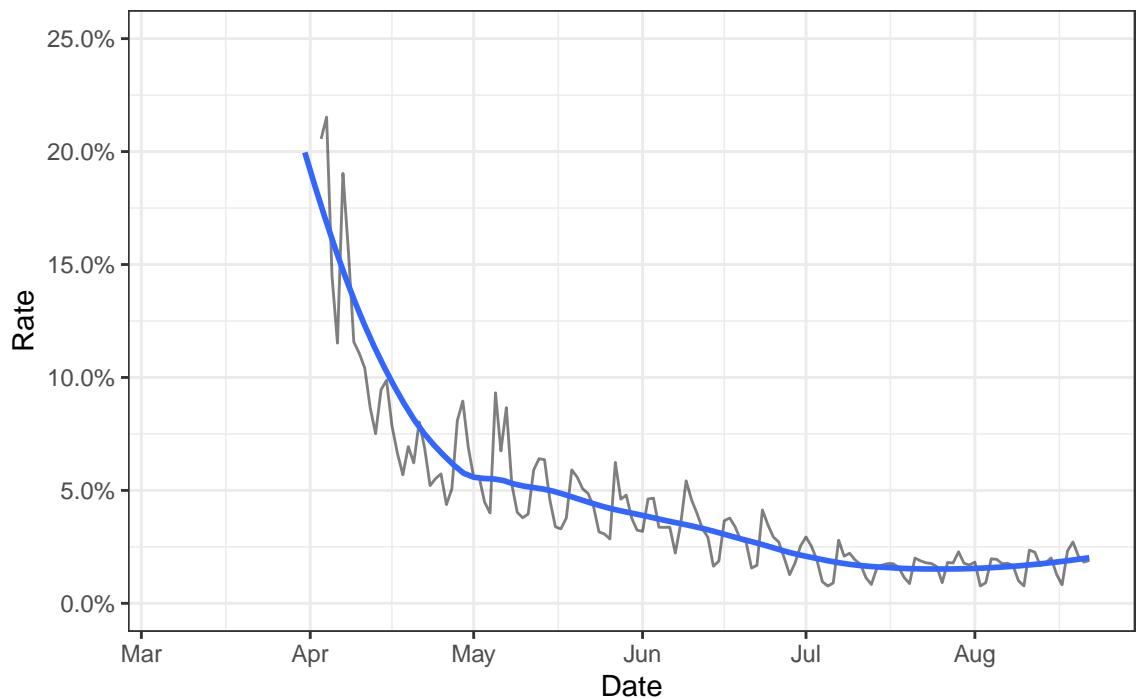
Date	Cases	Deaths	New Cases	New Deaths
2020-08-22	5,639,613	168,286	46,295	1,024
2020-08-21	5,593,318	167,262	46,821	1,123
2020-08-20	5,546,497	166,139	43,740	1,134
2020-08-19	5,502,757	165,005	44,933	1,420
2020-08-18	5,457,824	163,585	40,458	1,195
2020-08-17	5,417,366	162,390	37,817	407
2020-08-16	5,379,549	161,983	43,083	619
2020-08-15	5,336,466	161,364	56,603	1,219
2020-08-14	5,279,863	160,145	55,649	1,216
2020-08-13	5,224,214	158,929	51,705	1,163
2020-08-12	5,172,509	157,766	56,035	1,517
2020-08-11	5,116,474	156,249	55,594	1,326
2020-08-10	5,060,880	154,923	41,835	426
2020-08-09	5,019,045	154,497	51,365	616

Deaths

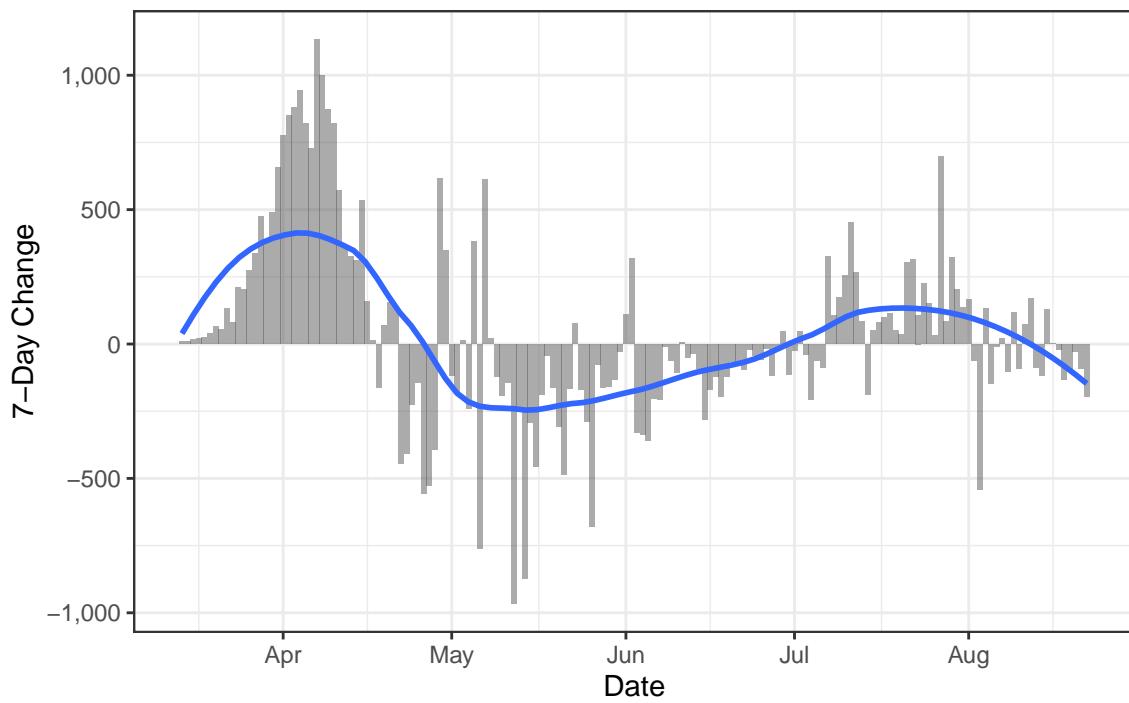
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

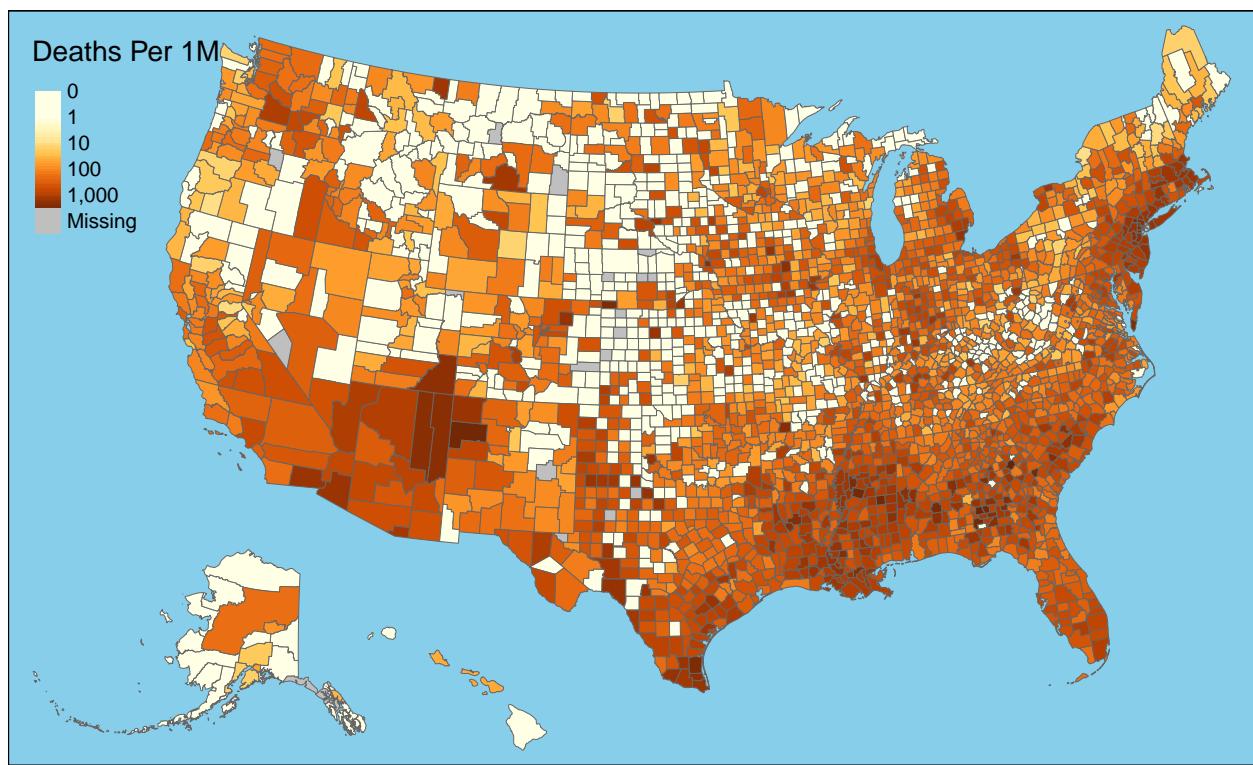


Daily Case Mortality Rate



One-Week Change in Daily Deaths

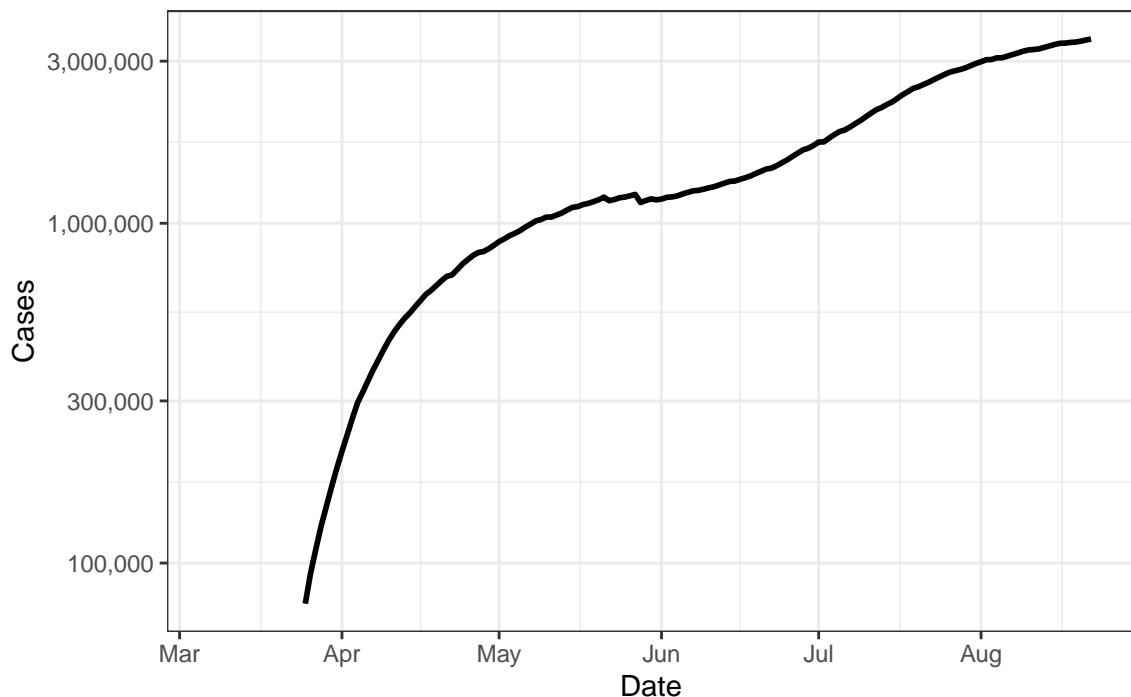




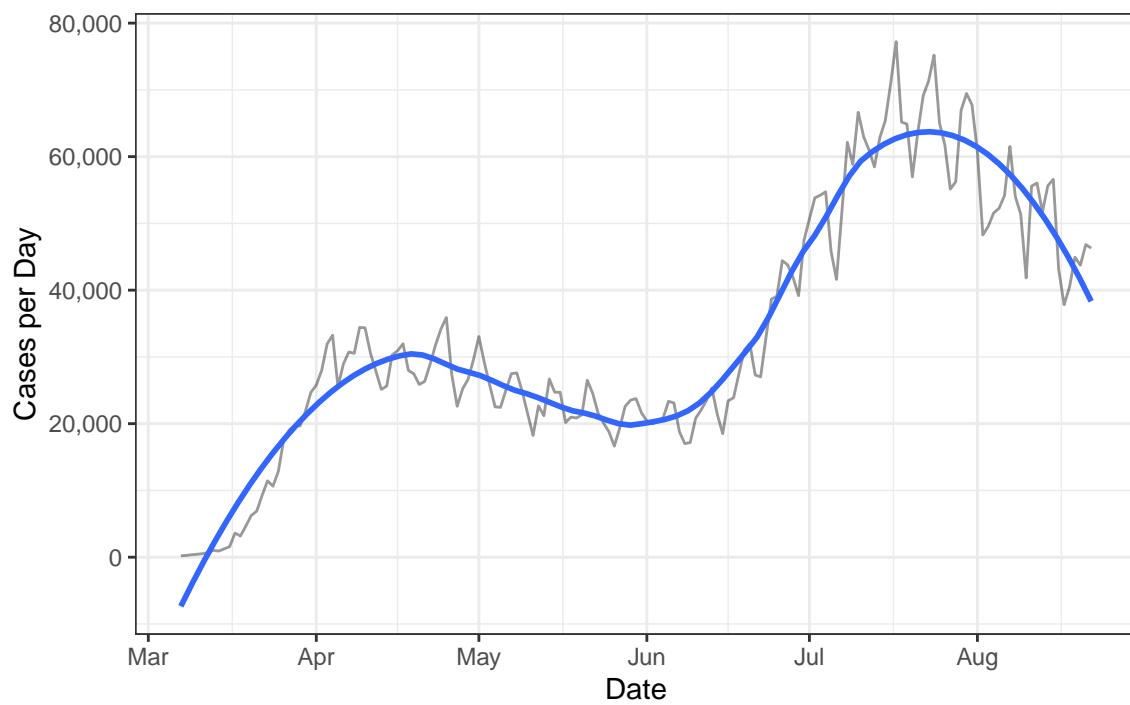
Cases

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

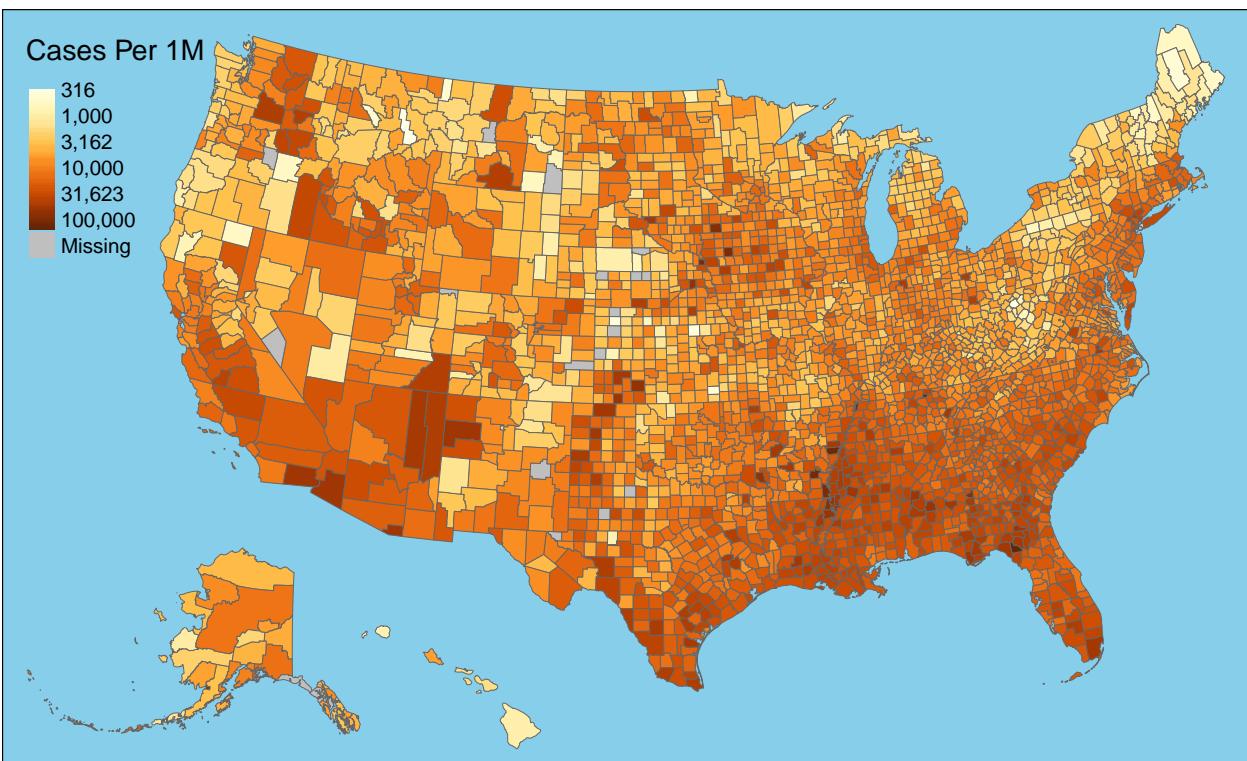
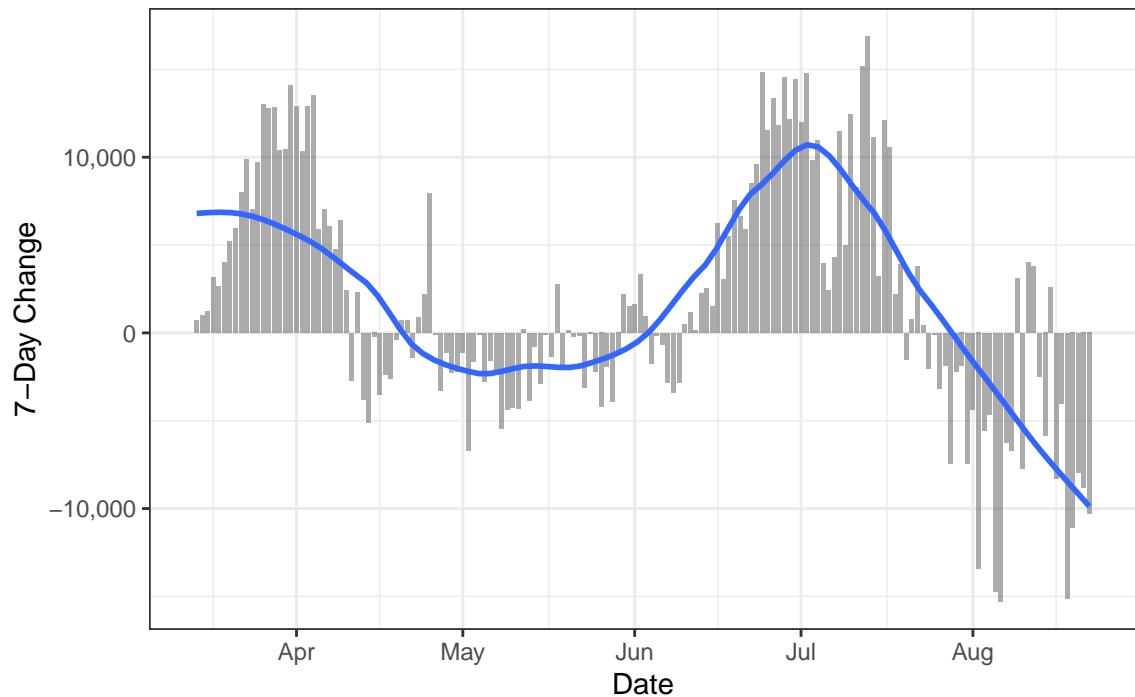
Active Cases



New Cases

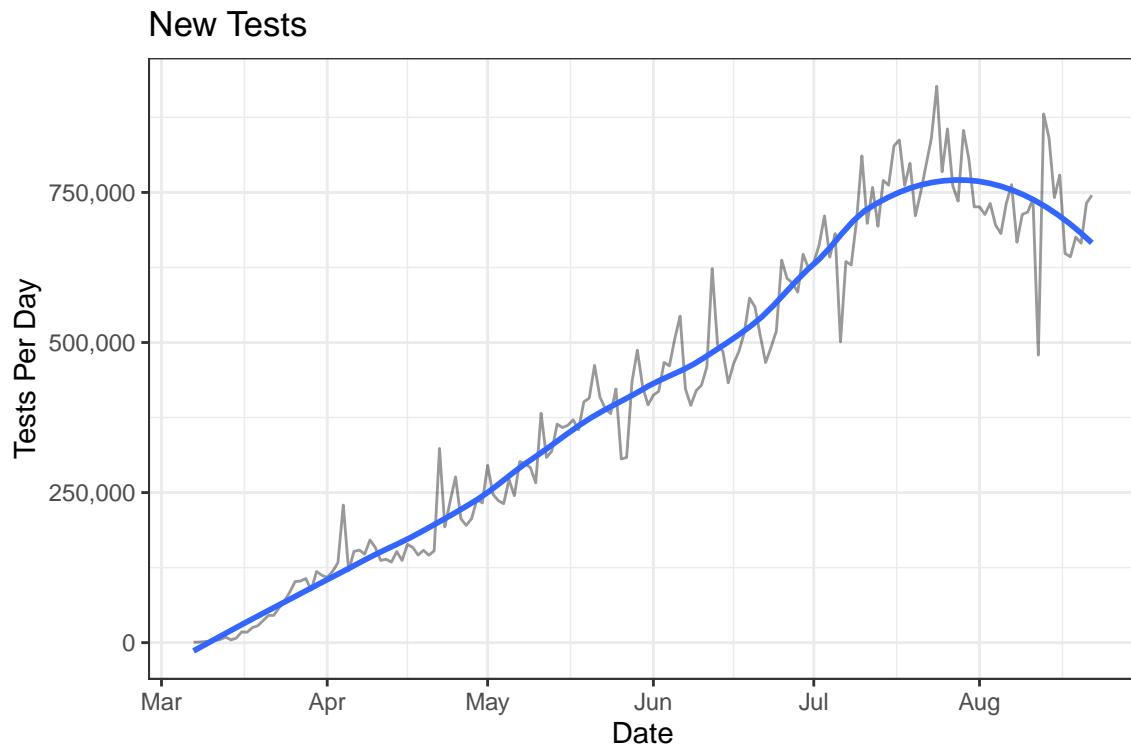
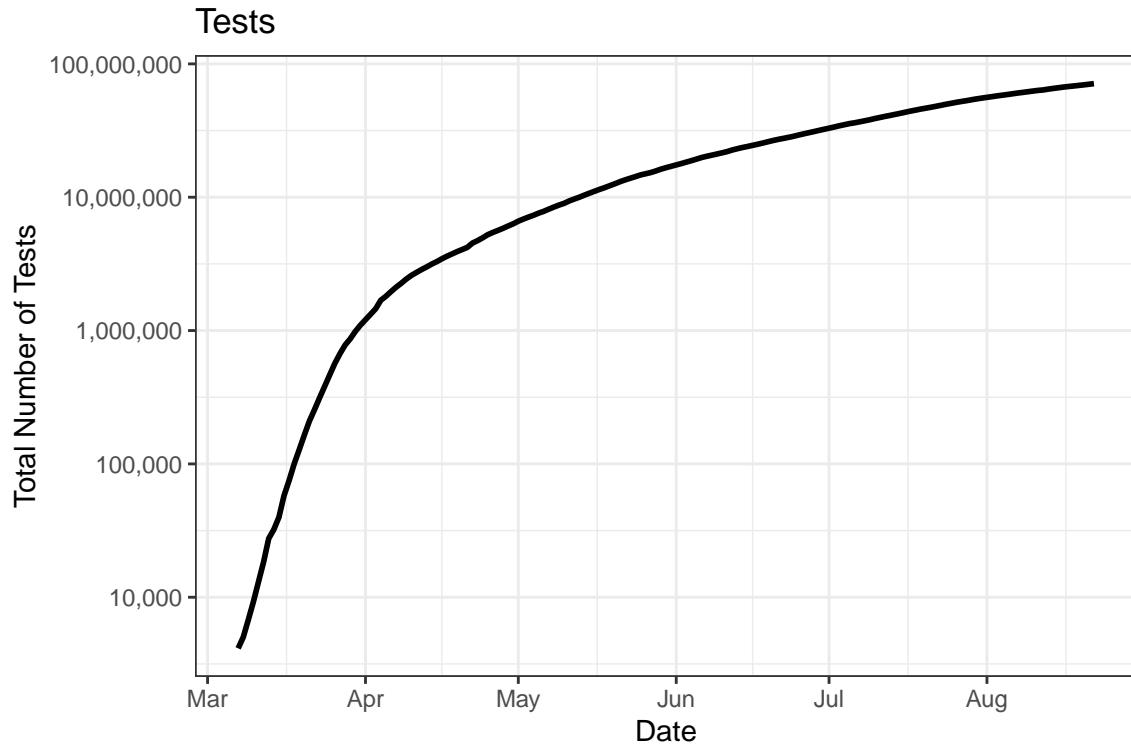


One-Week Change in Daily Cases

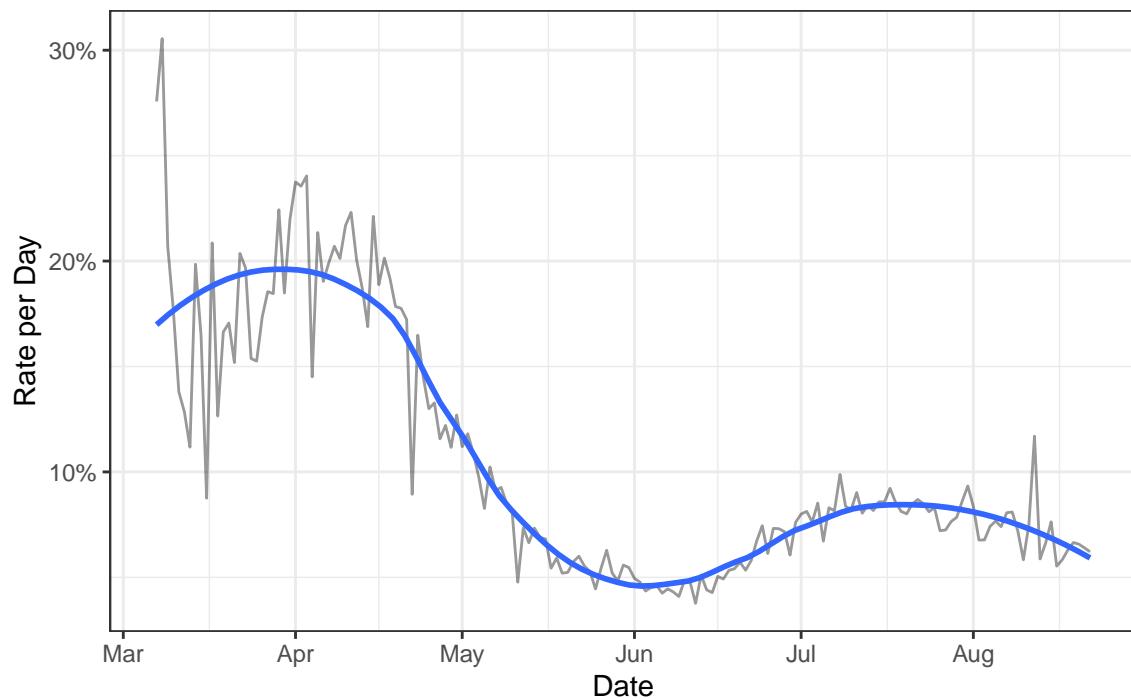


Testing

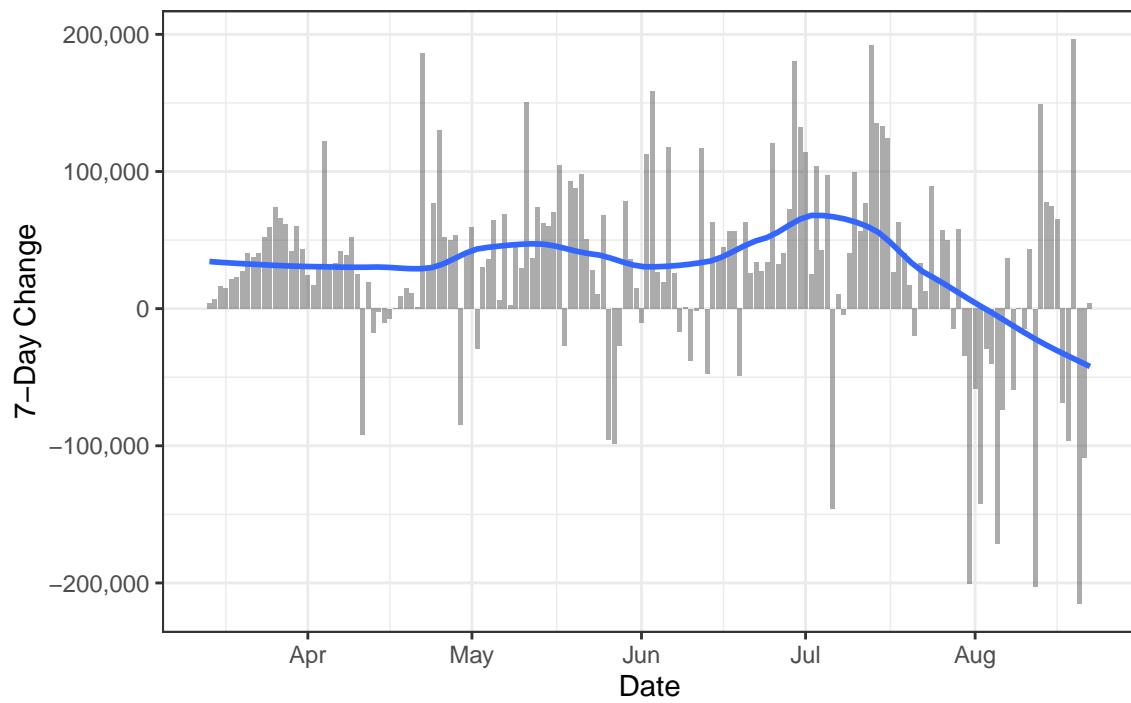
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

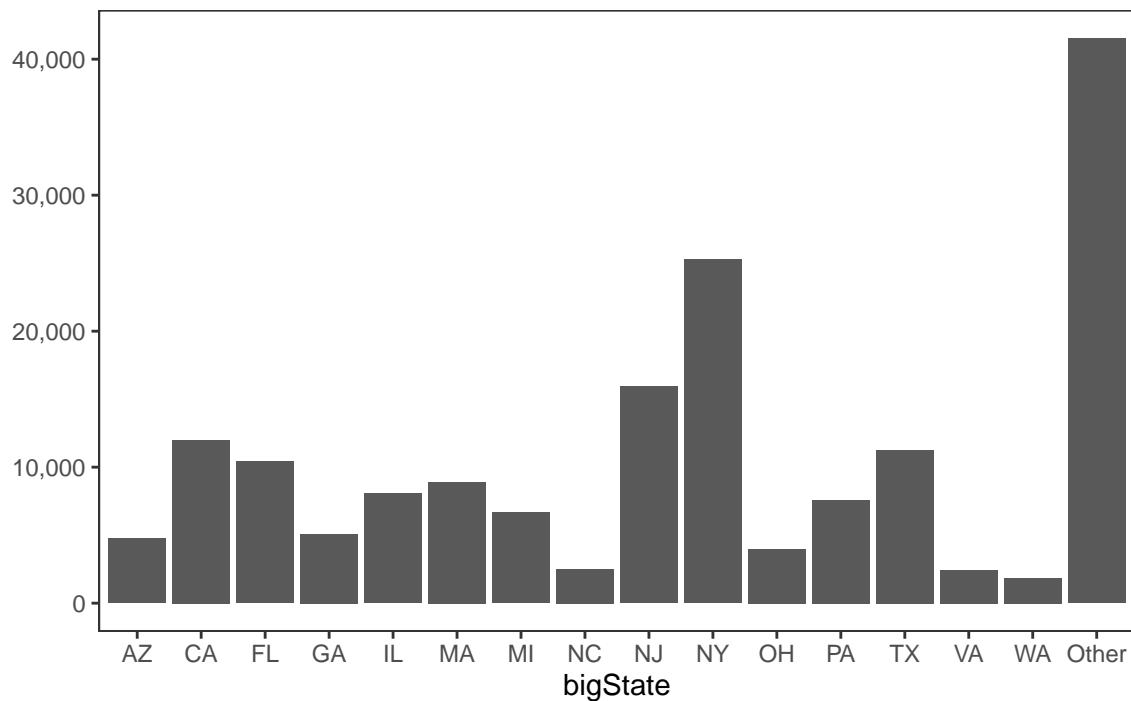


State Data

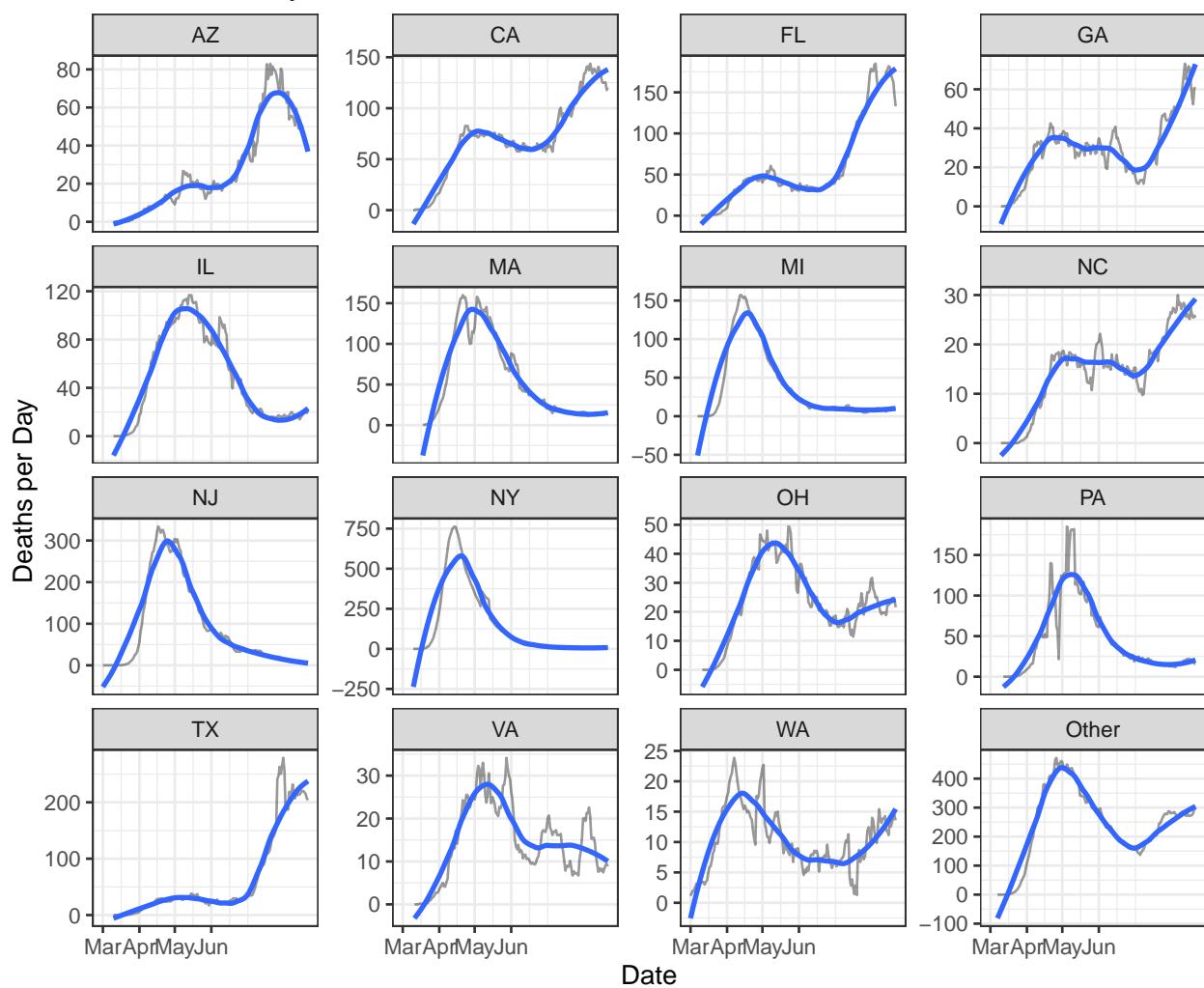
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

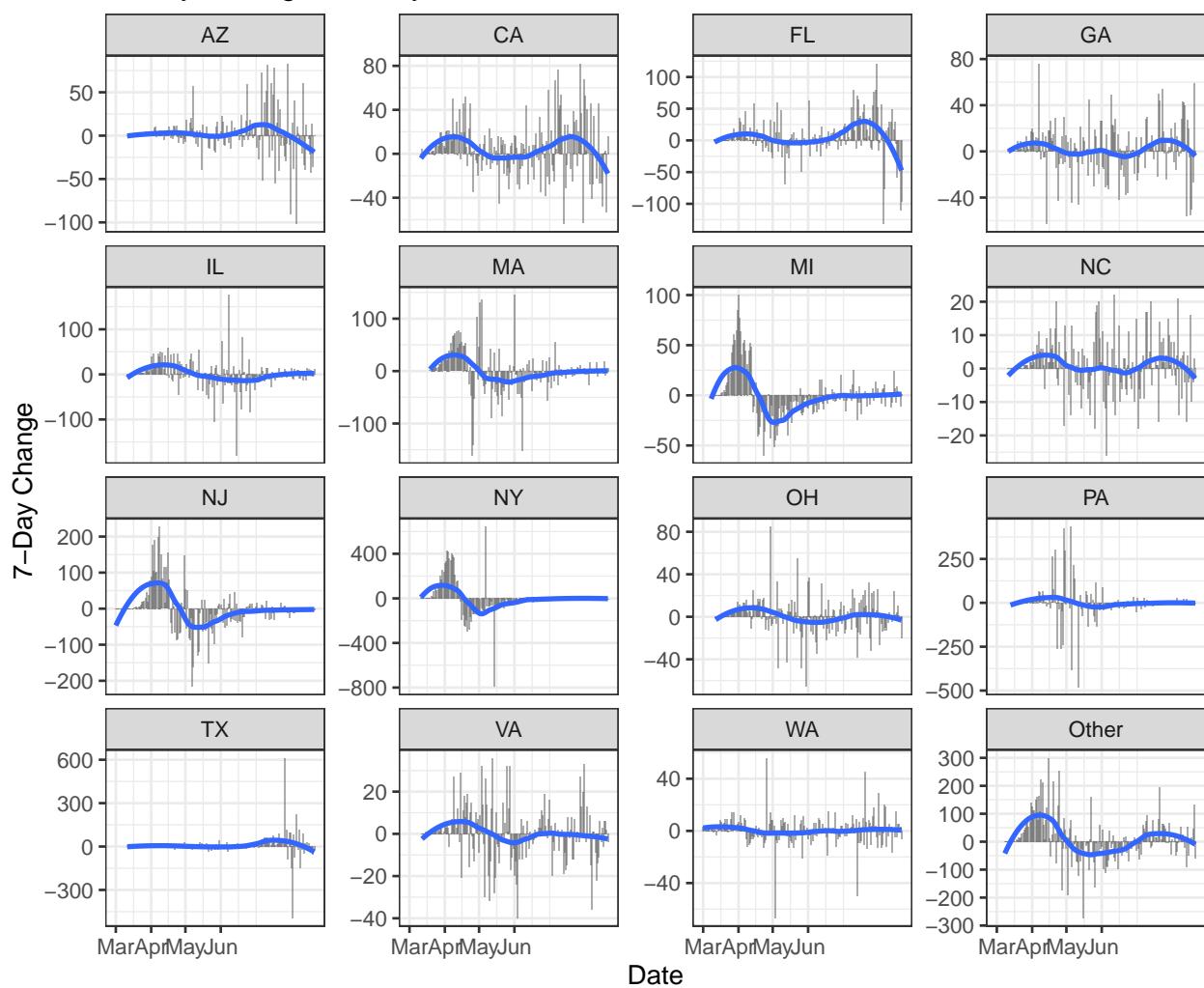
Deaths by State

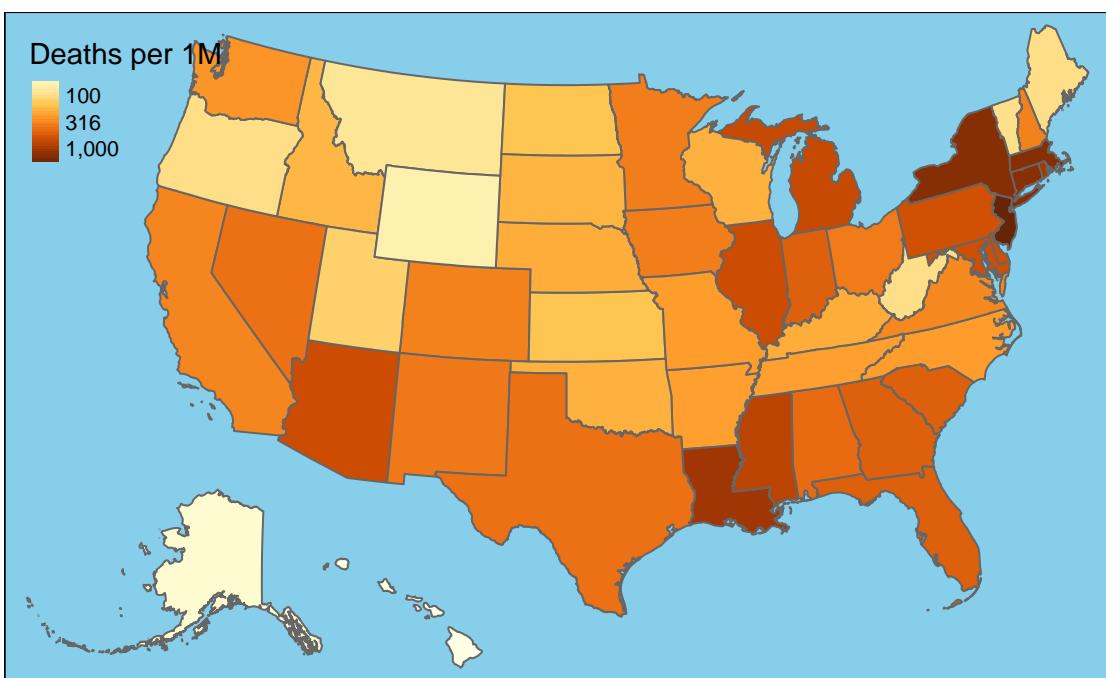
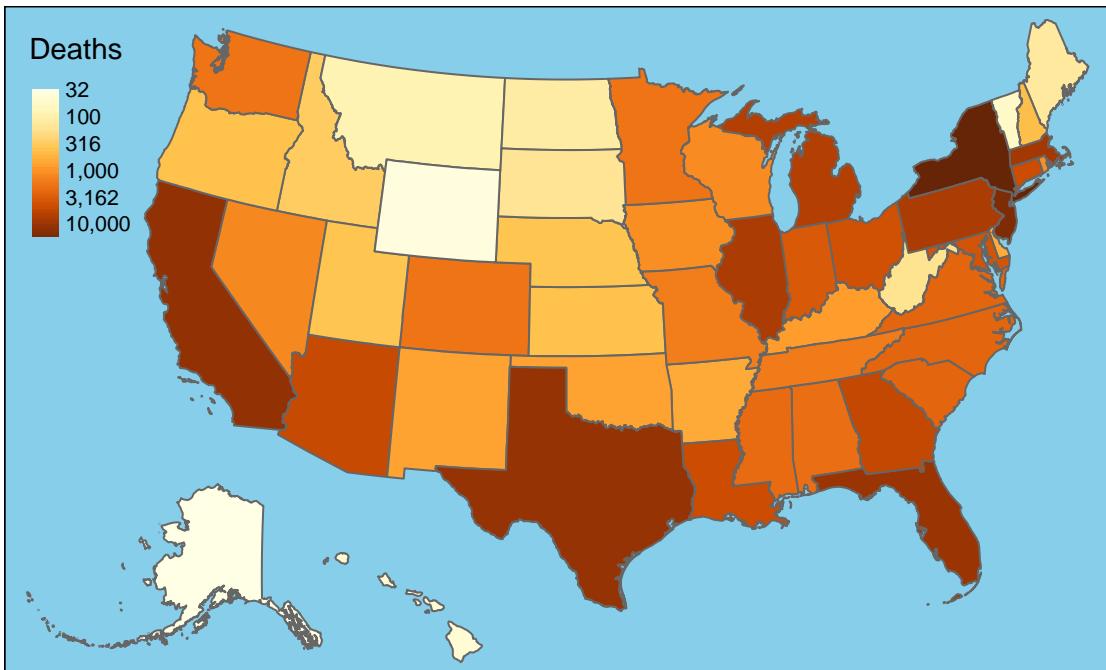


New Deaths by State



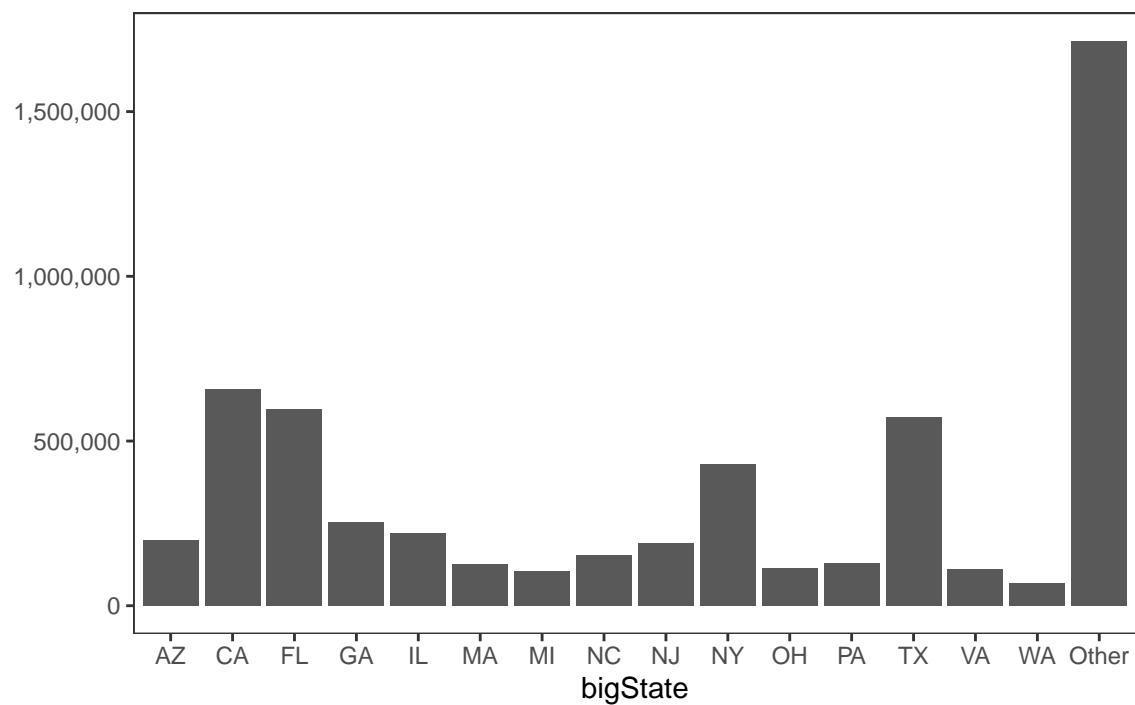
7-Day Change in Daily Deaths



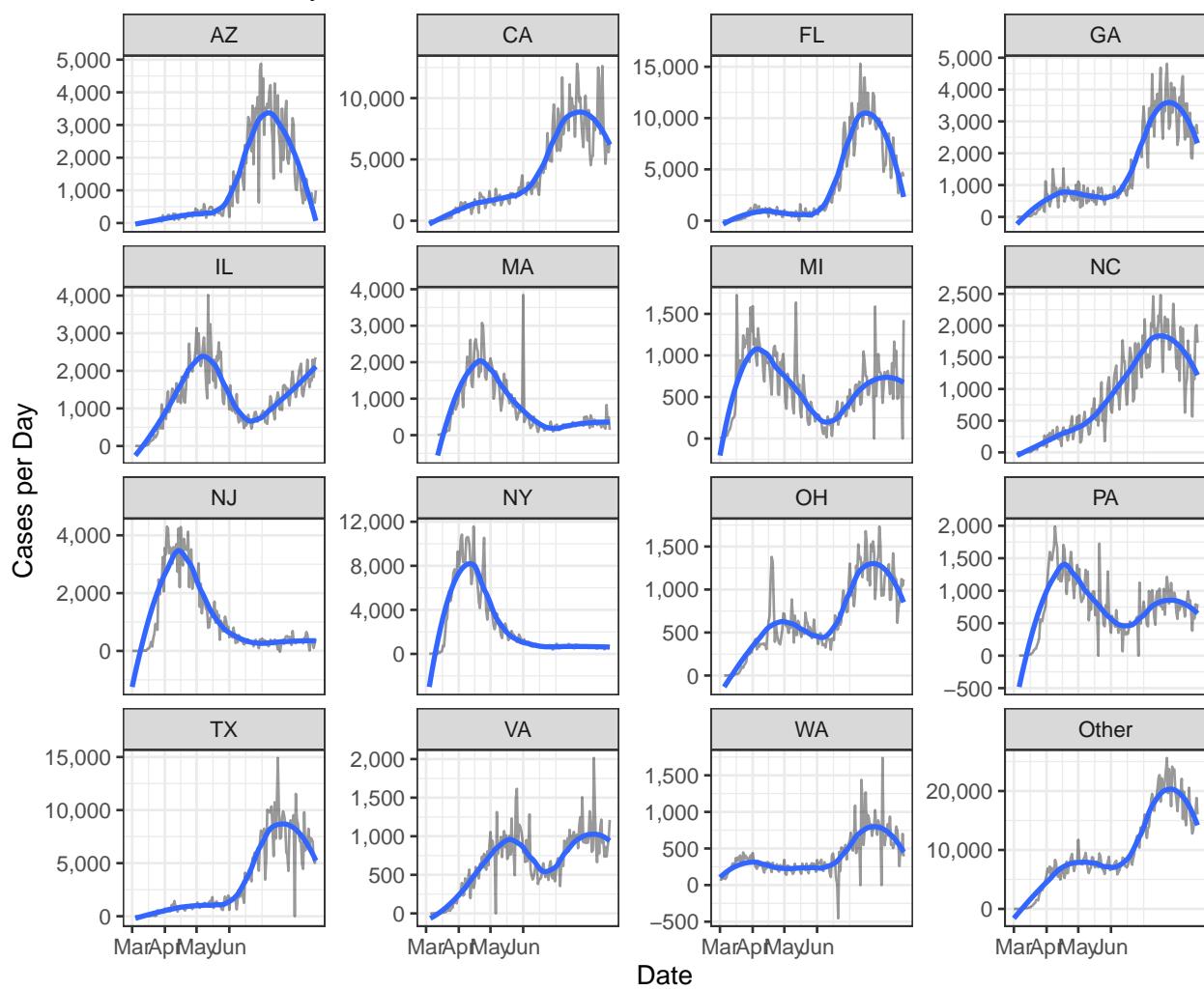


Cases

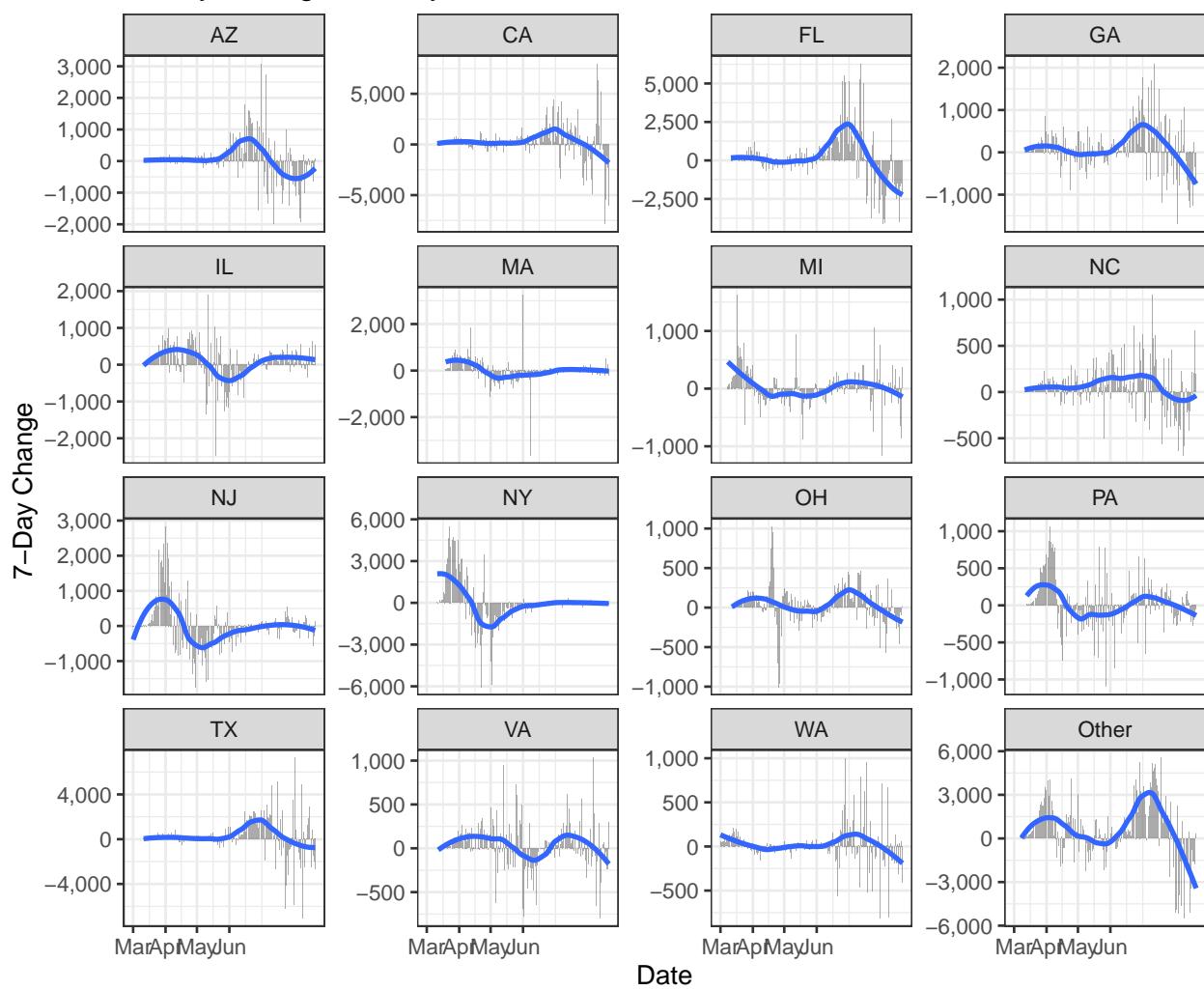
Cases by State

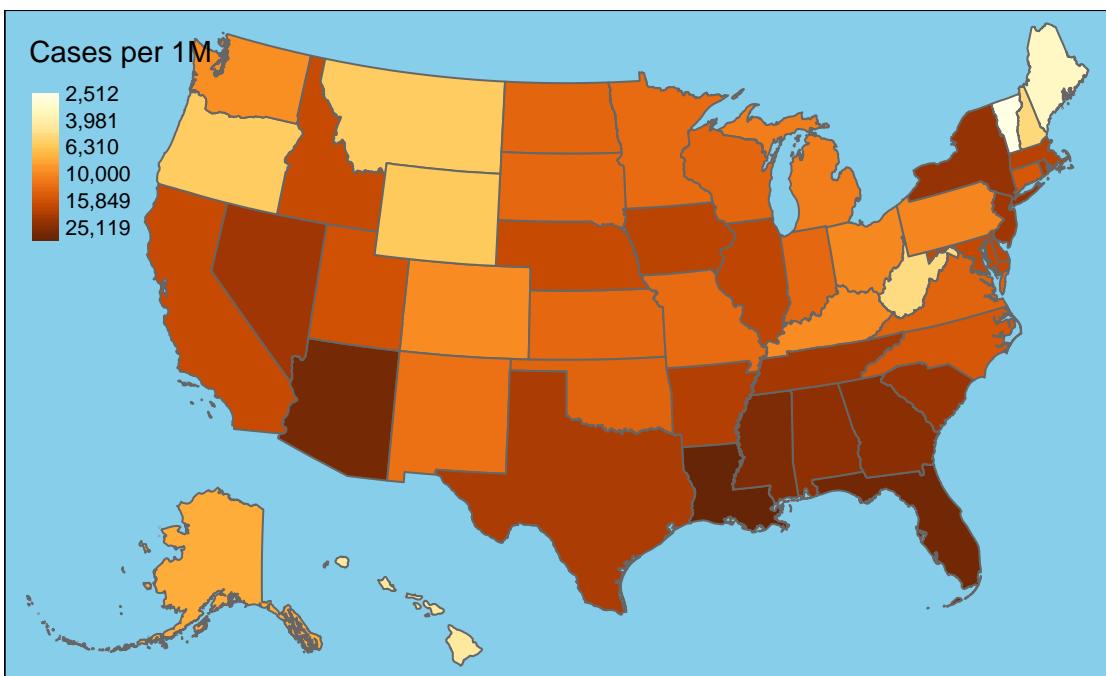
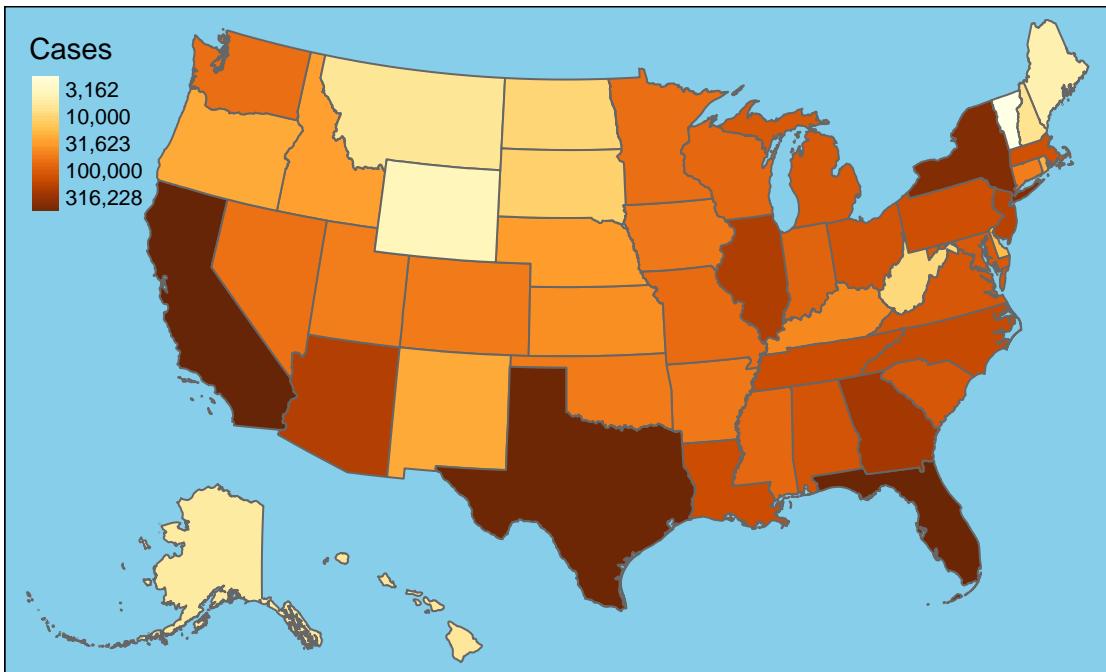


New Cases by State

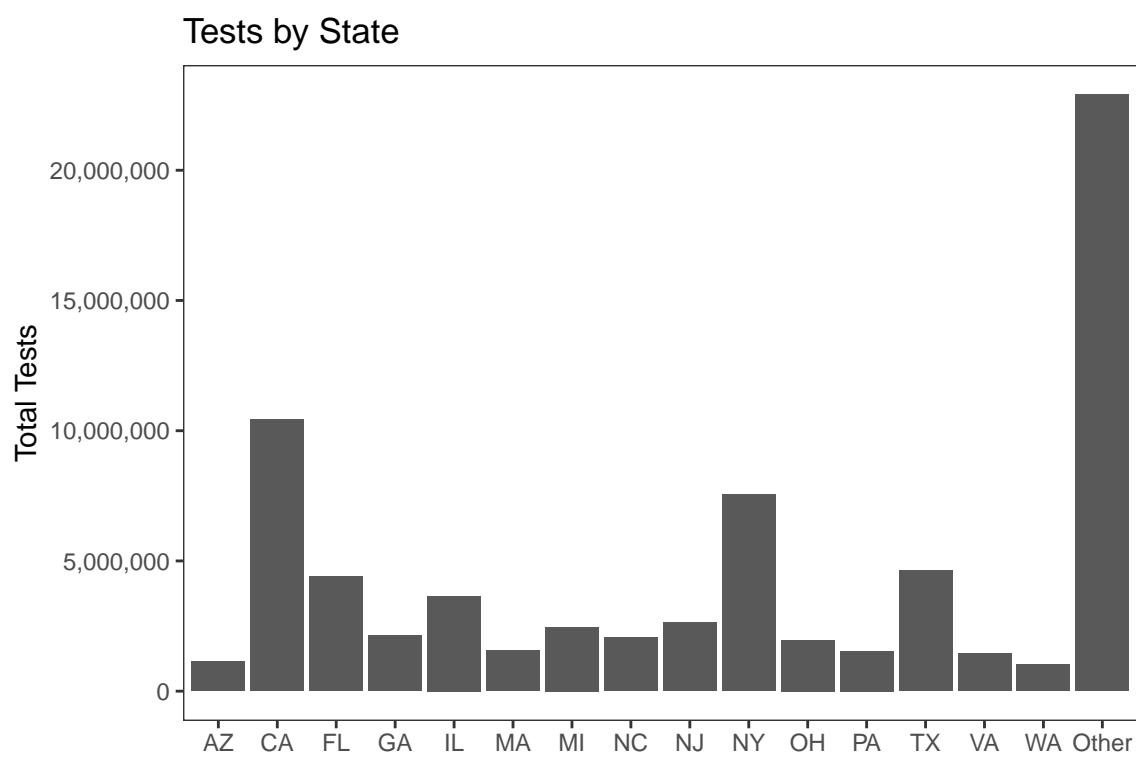


7-Day Change in Daily Cases

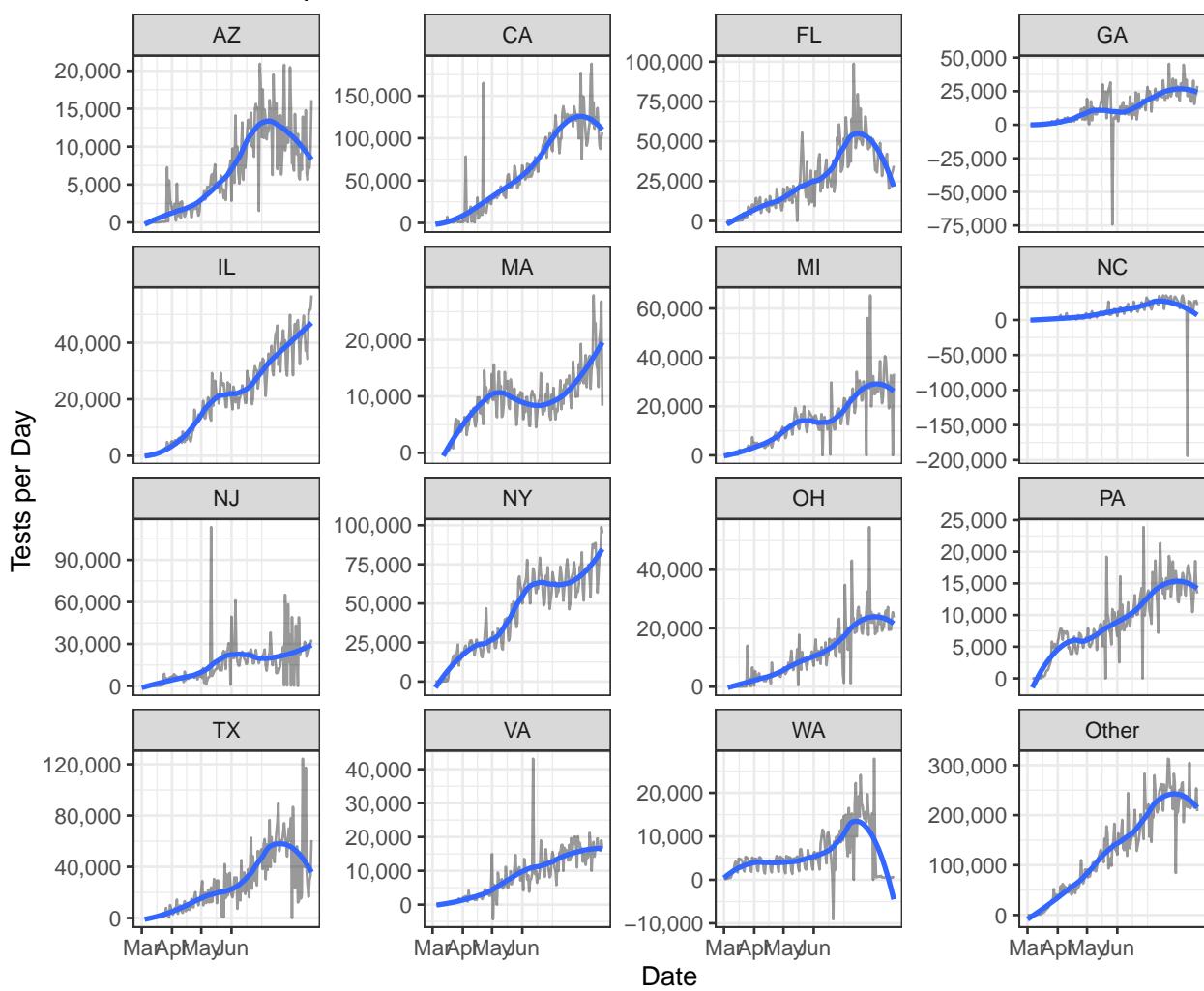


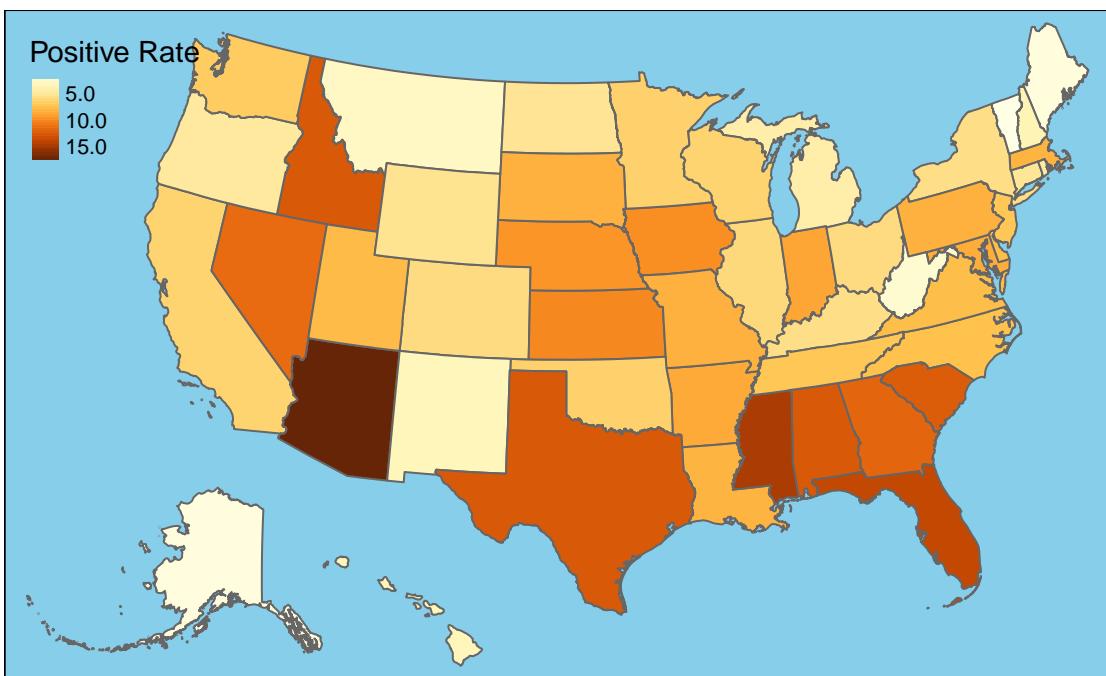
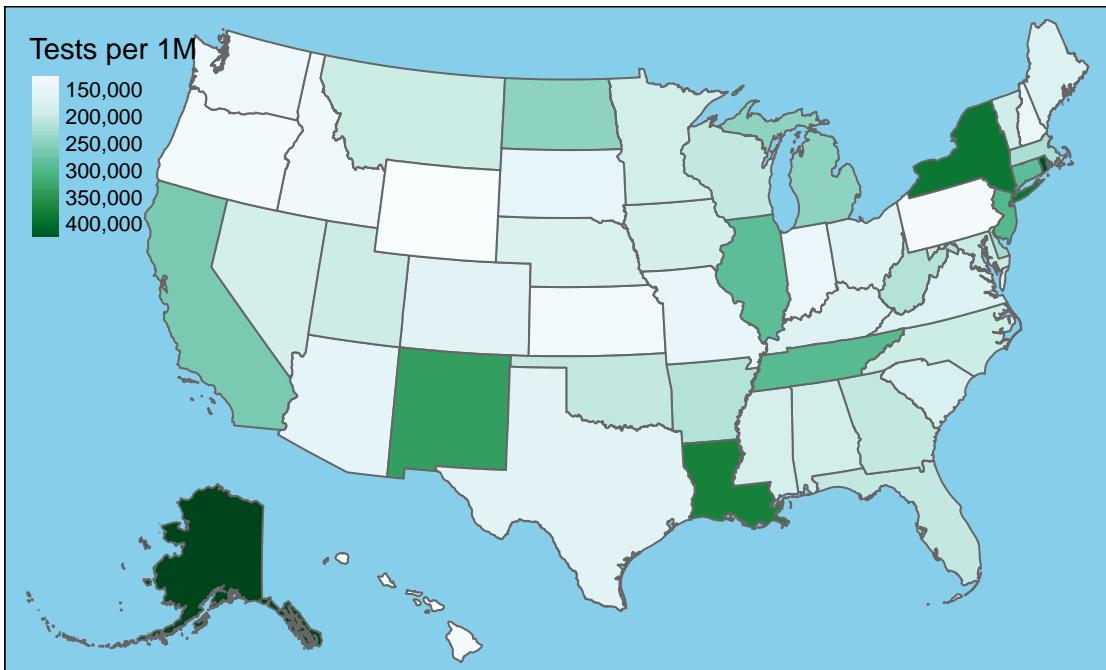


Testing



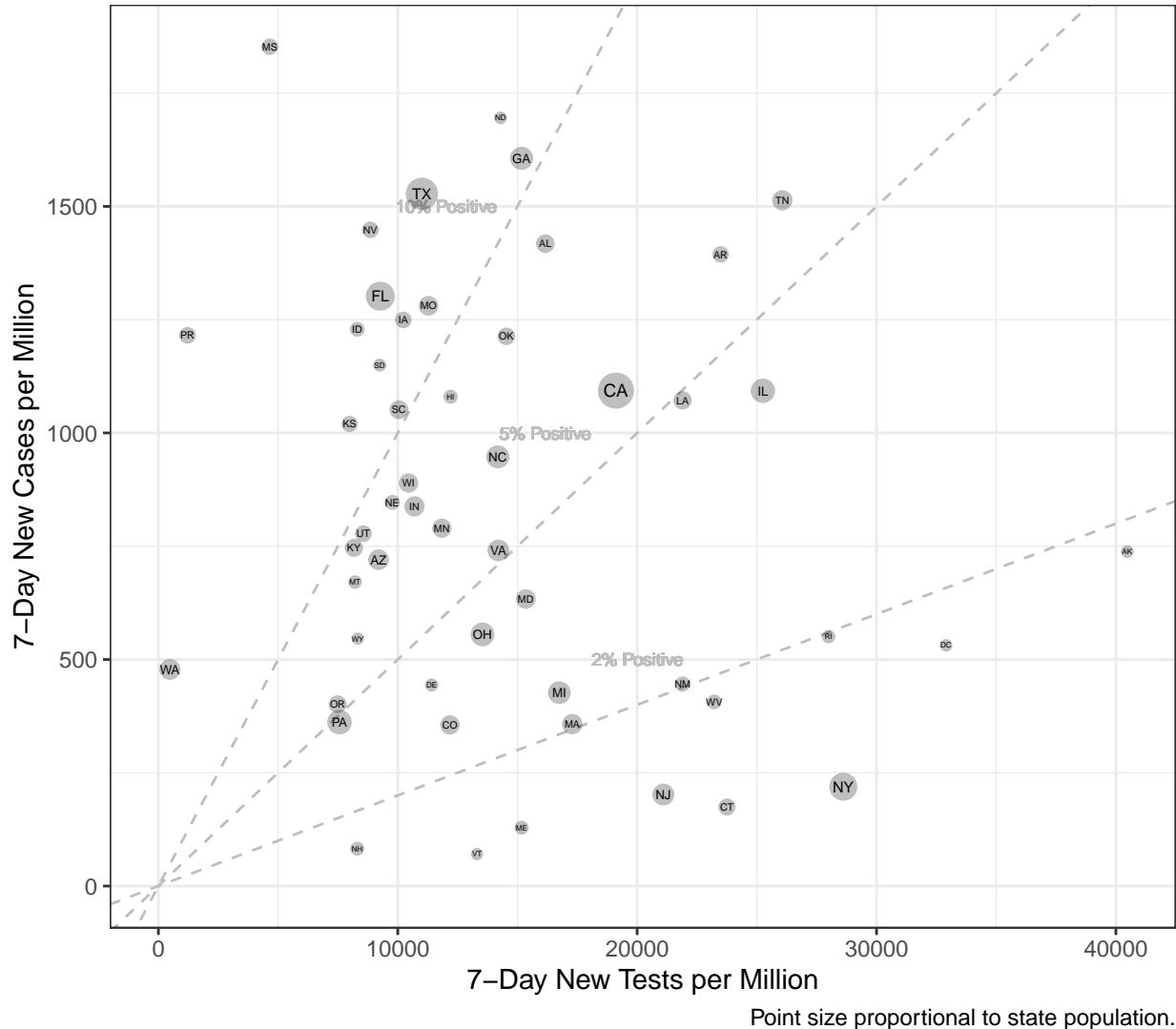
New Tests by State





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



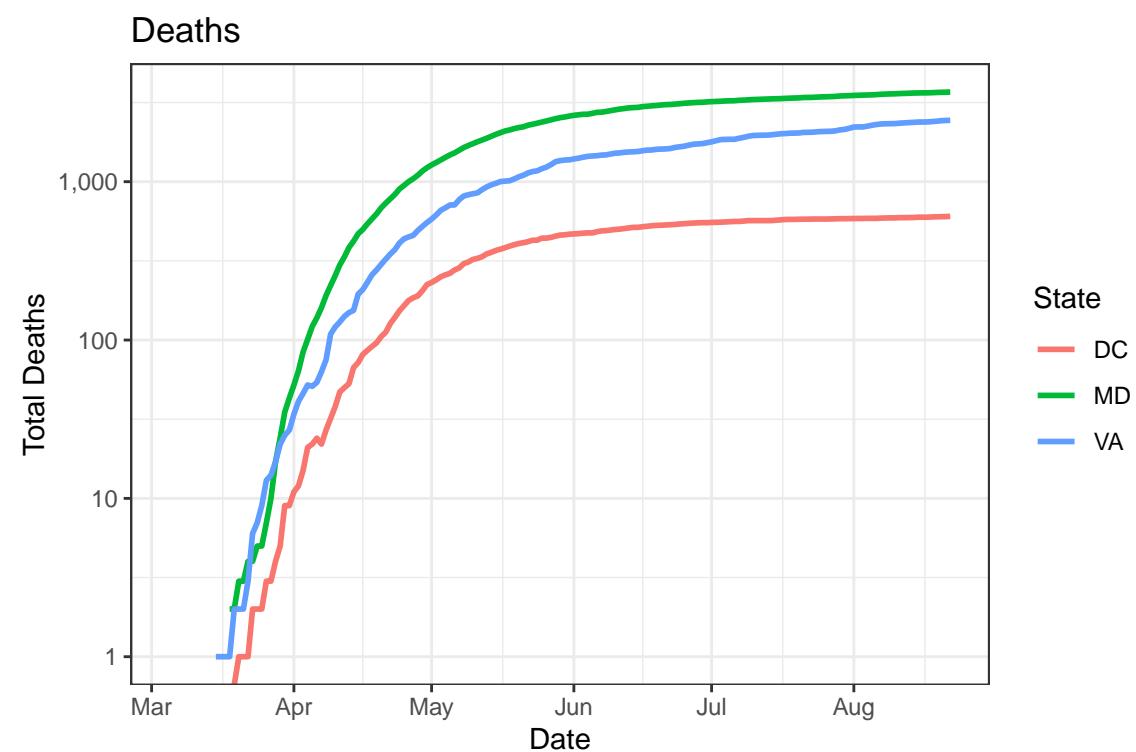
Local Data

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

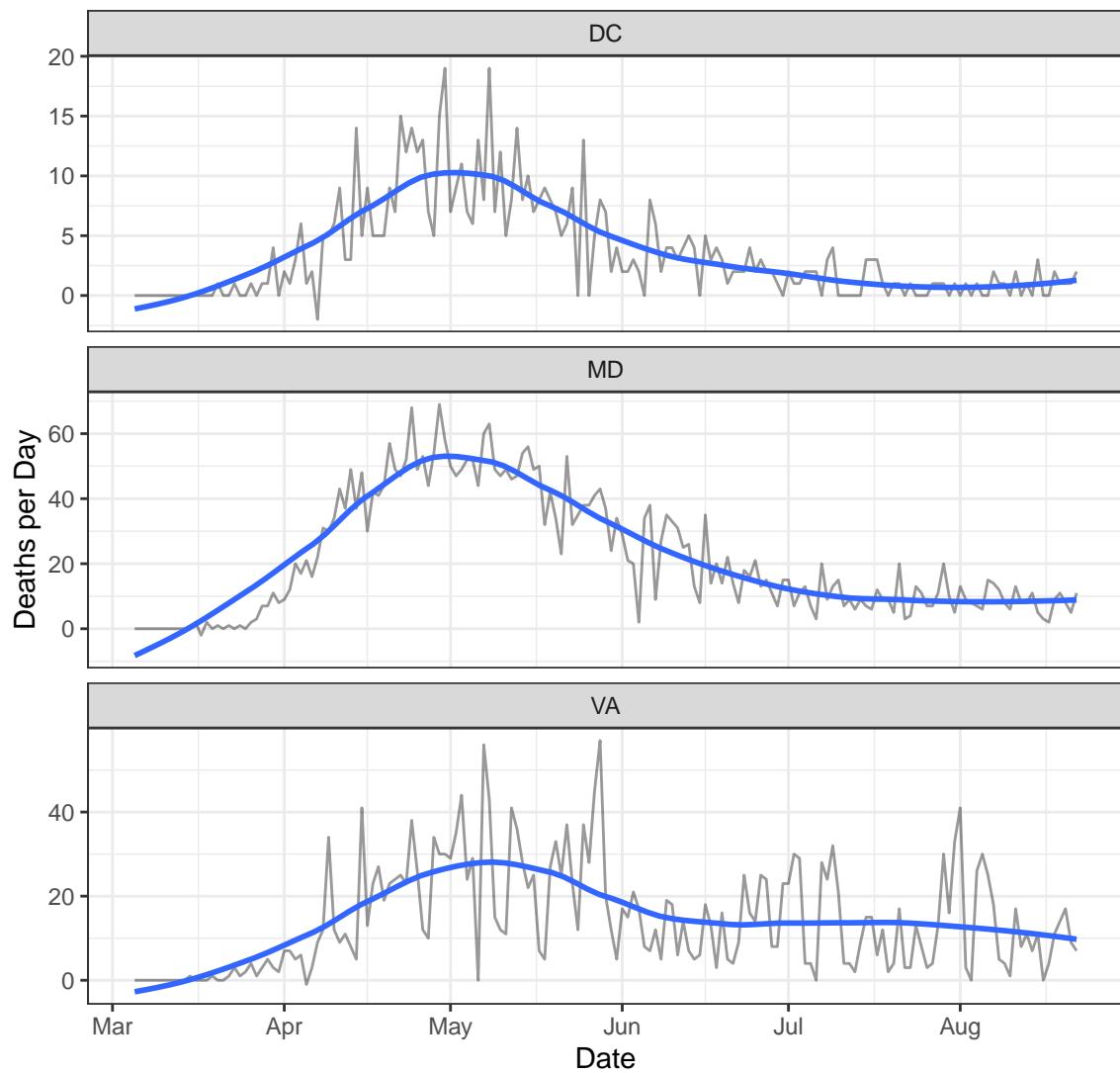
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	13,534	604	65	2
MD	103,523	3,685	624	11
VA	112,072	2,443	1,212	7

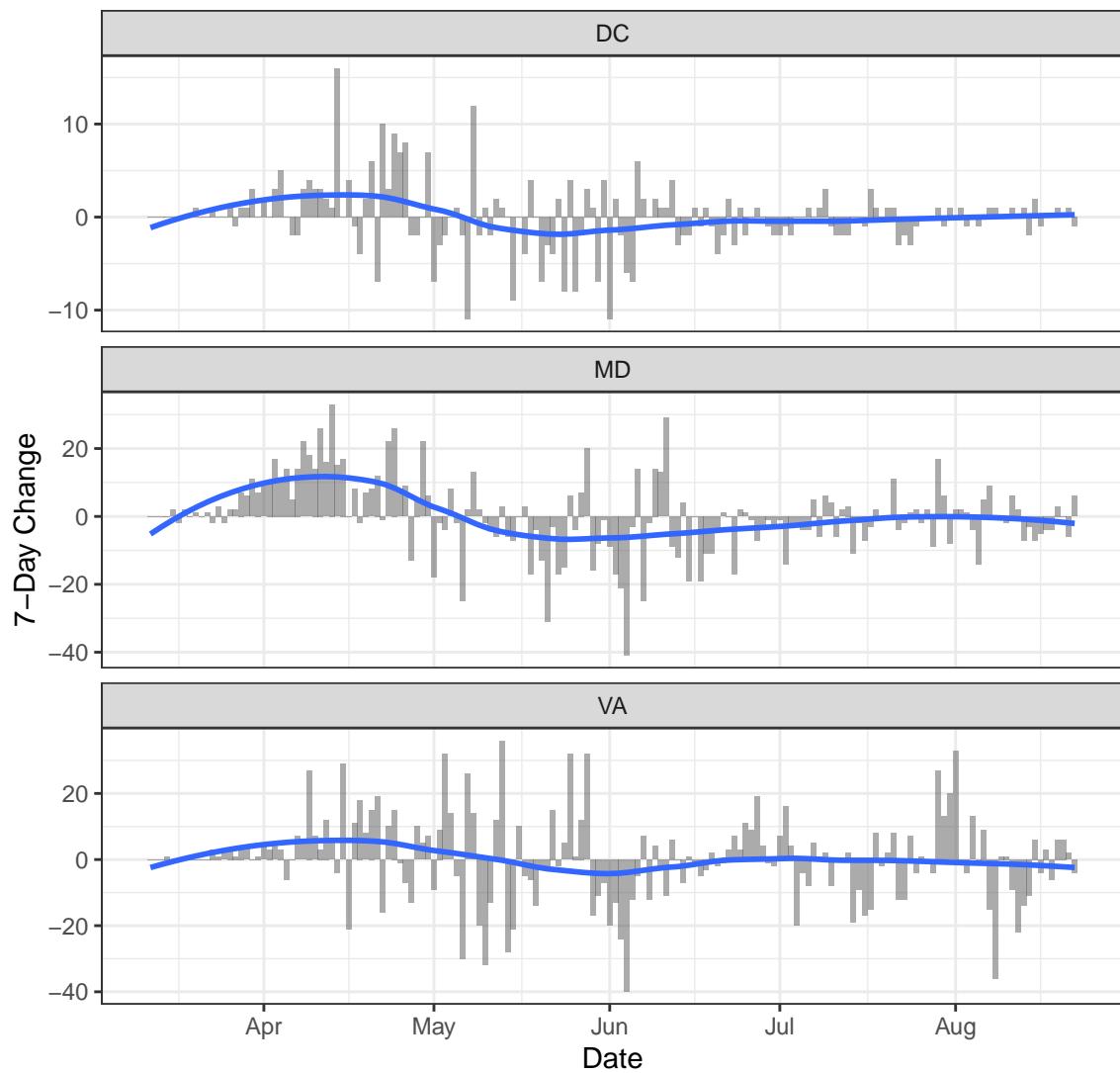
Deaths

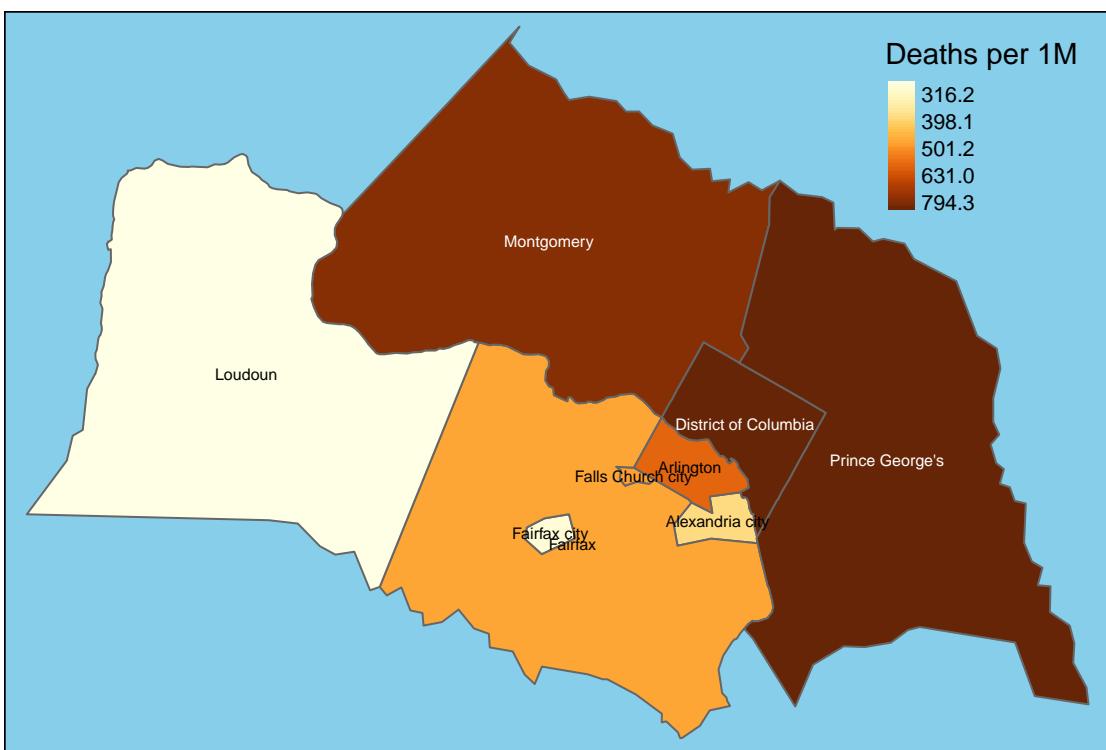
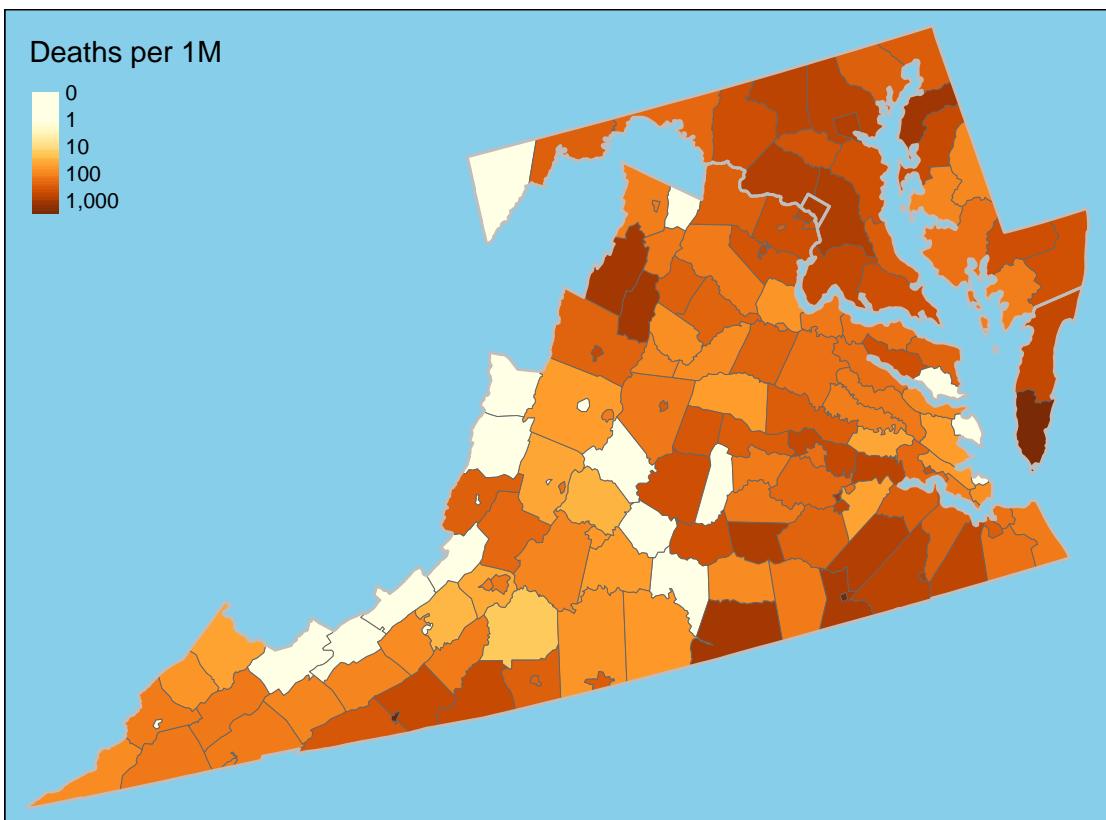


New Deaths

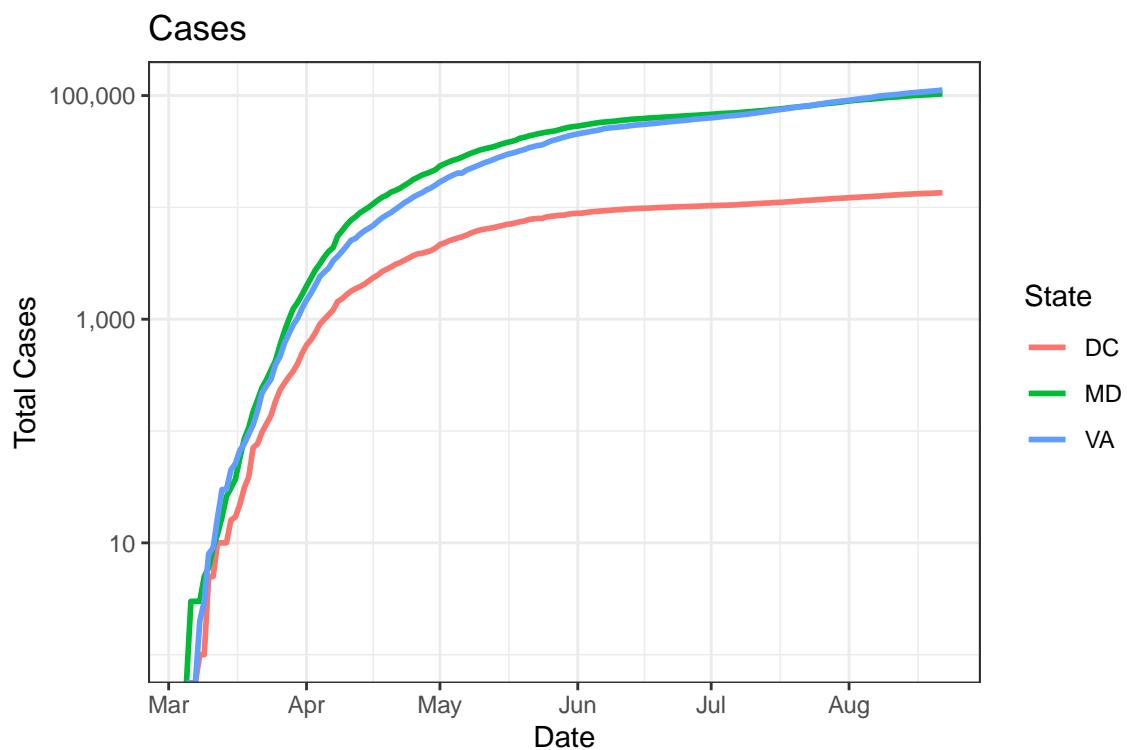


One-Week Change in Daily Deaths

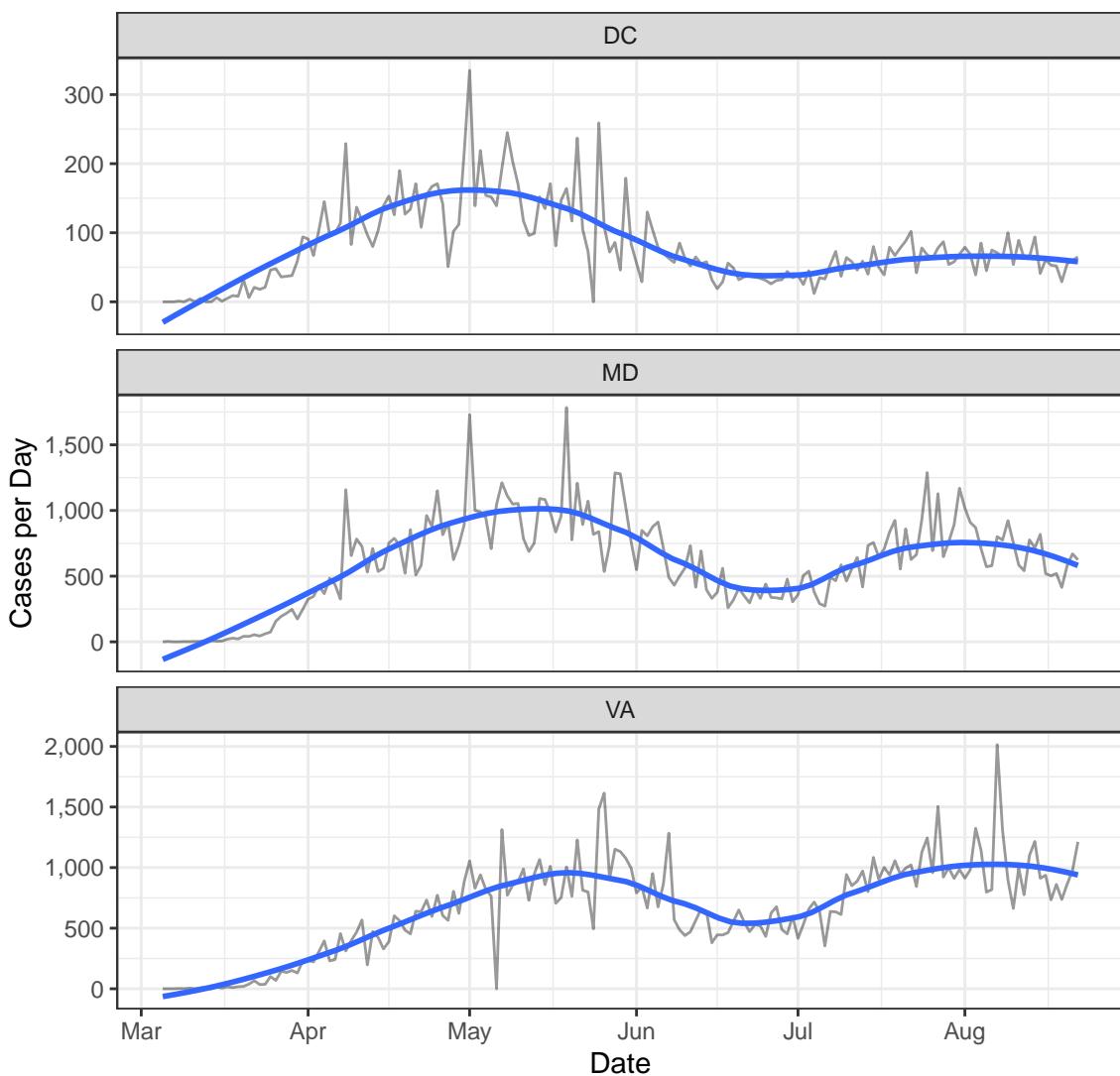




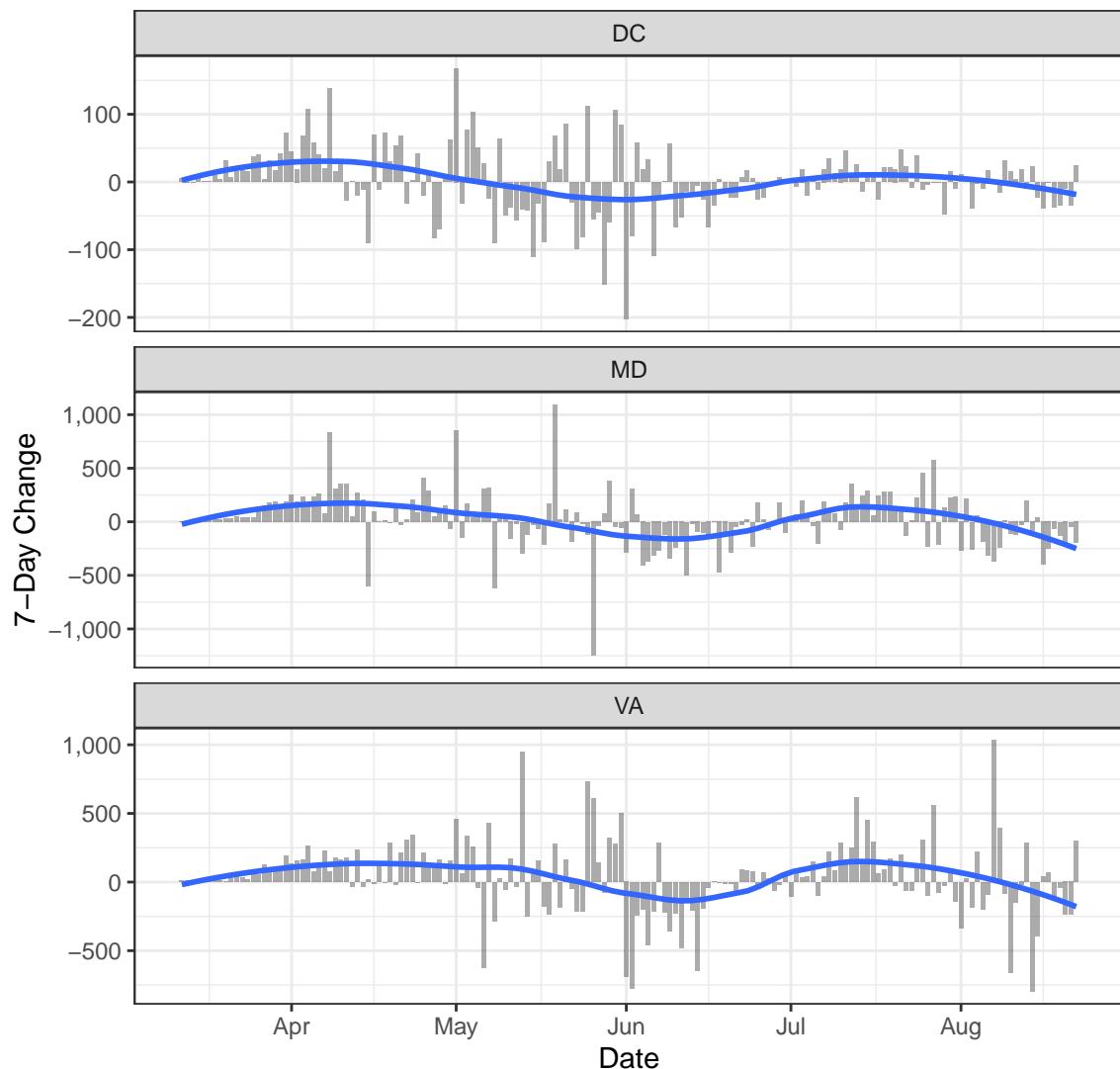
Cases

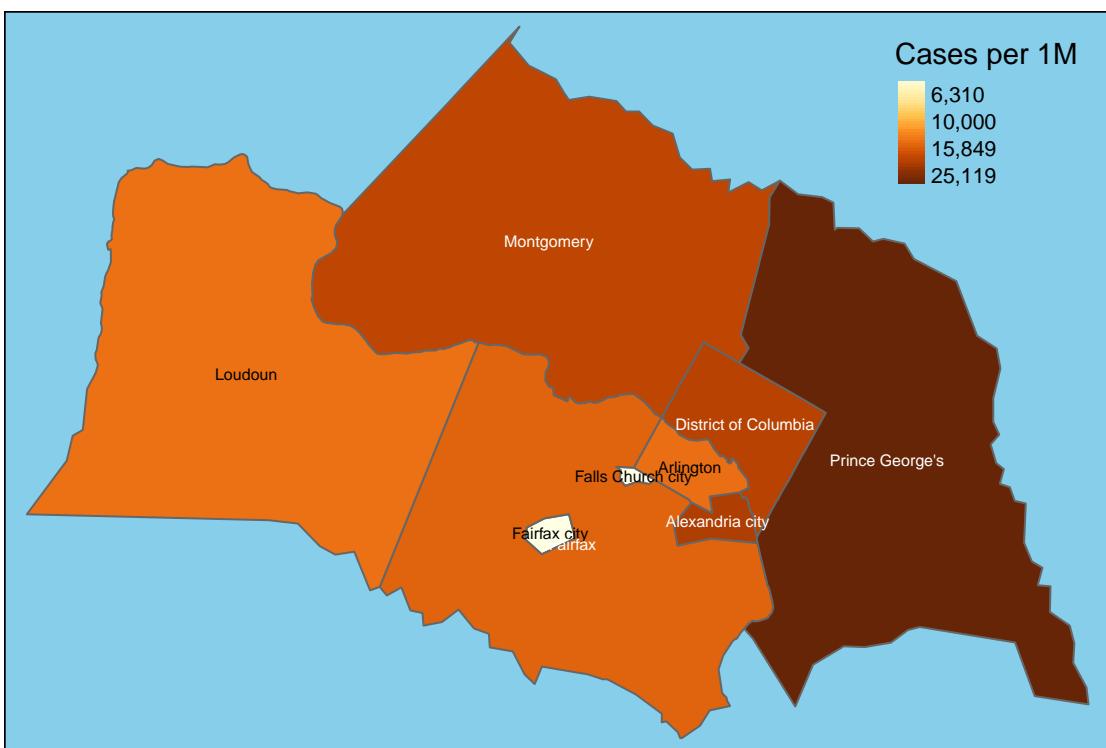
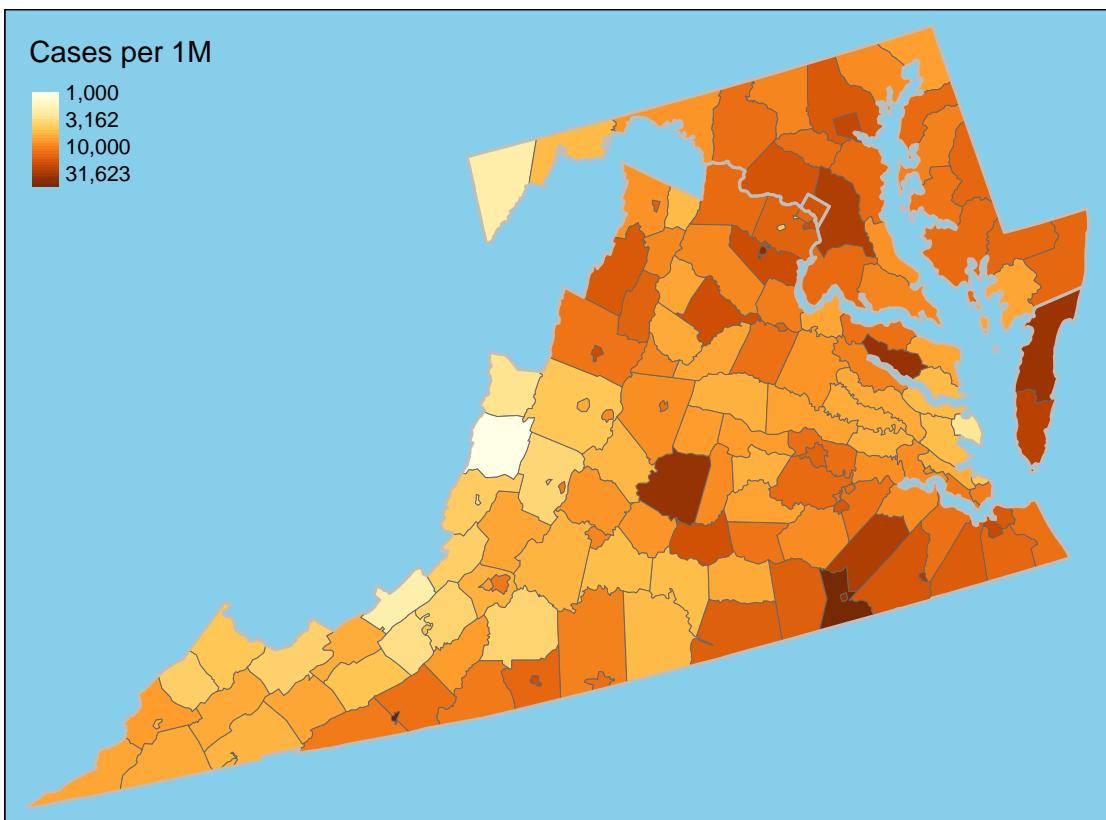


New Cases

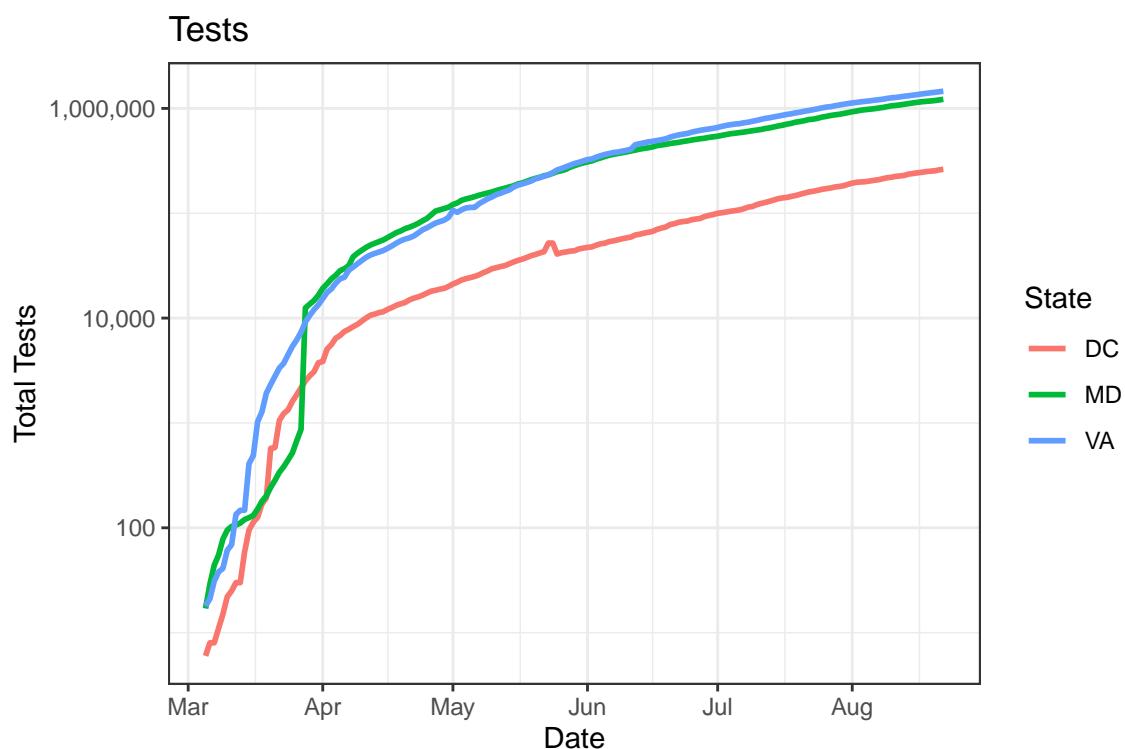


One-Week Change in Daily Cases

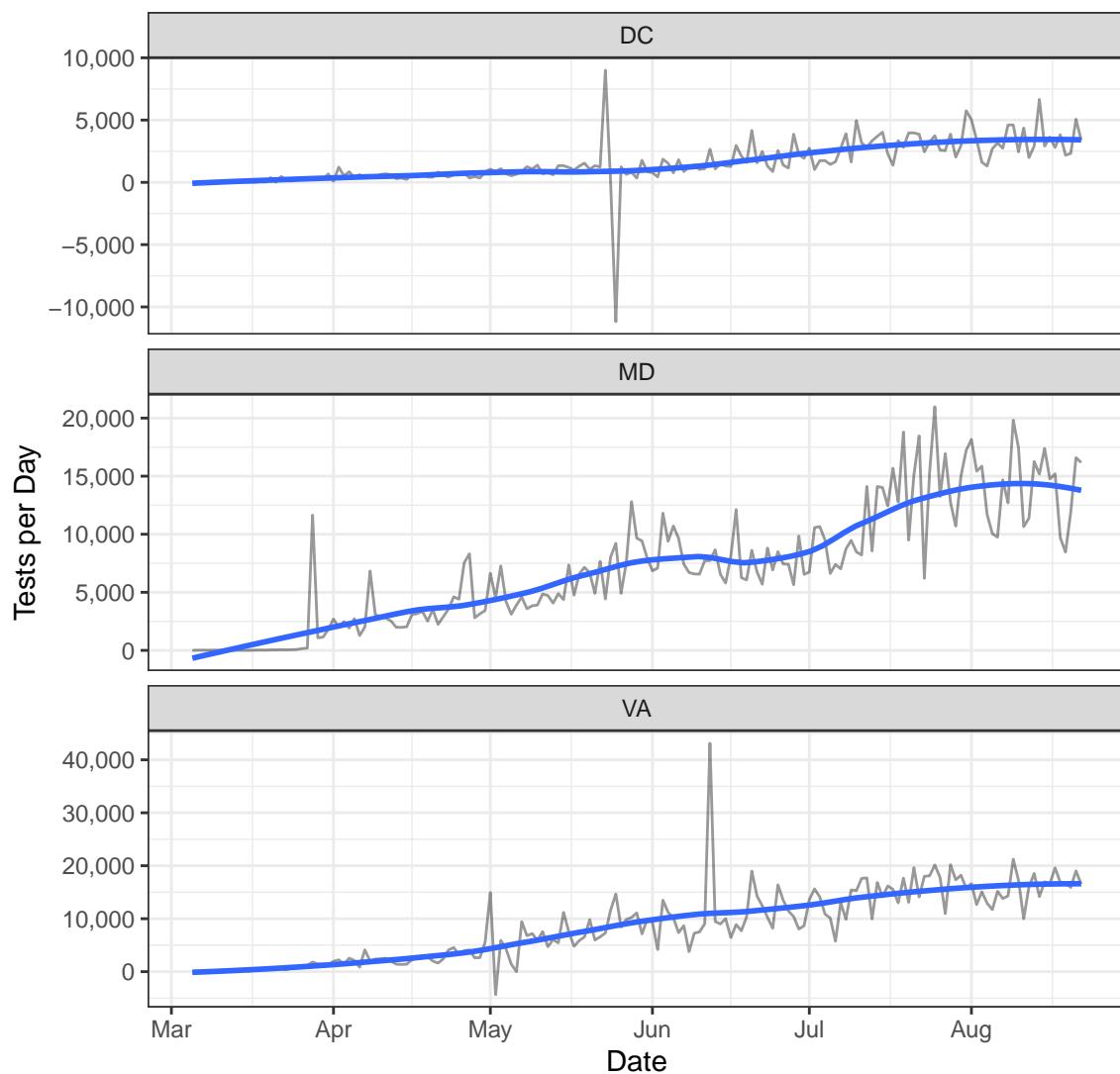




Testing



New Tests



Positive Test Rate

