

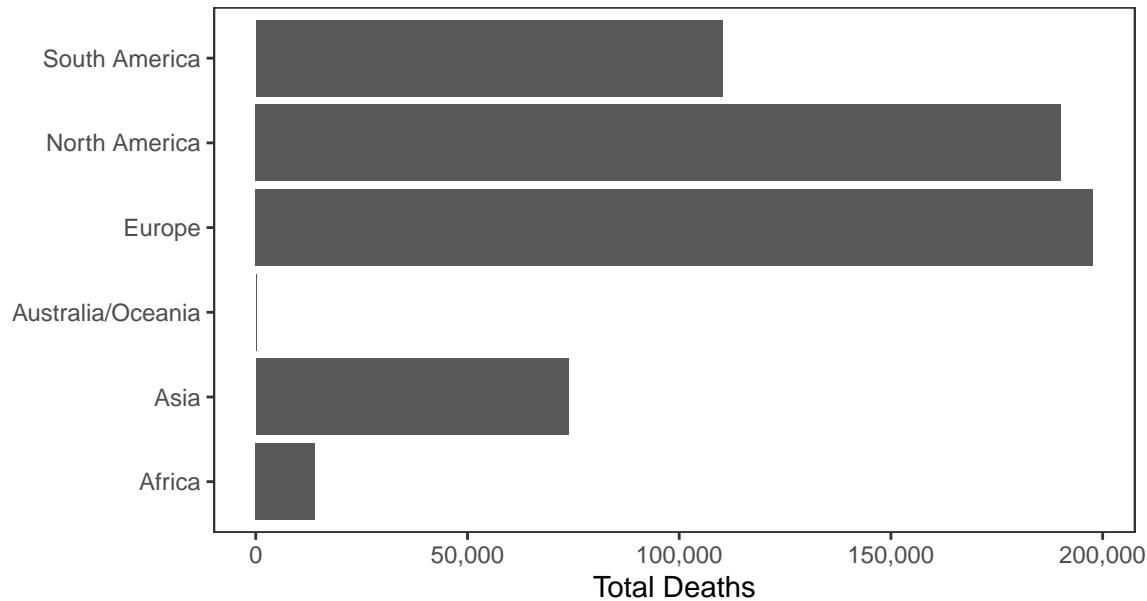
Erik's Covid-19 Chart Pack

Data updated 2020-07-16 18:29:40. 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 13,684,075 confirmed Covid-19 cases and 586,210 deaths worldwide.

Deaths



Cases

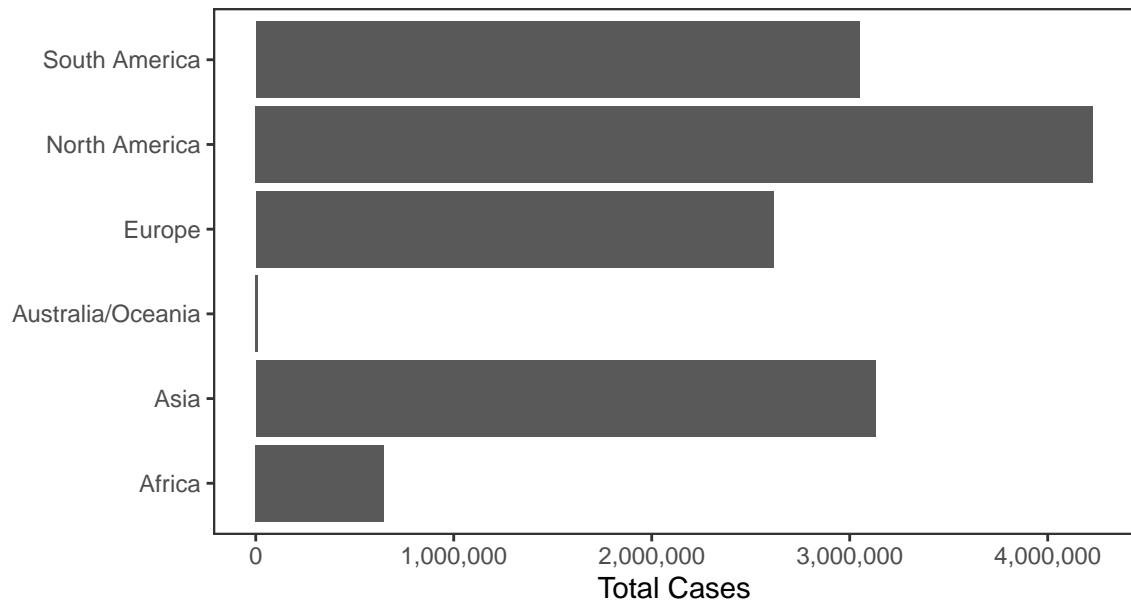
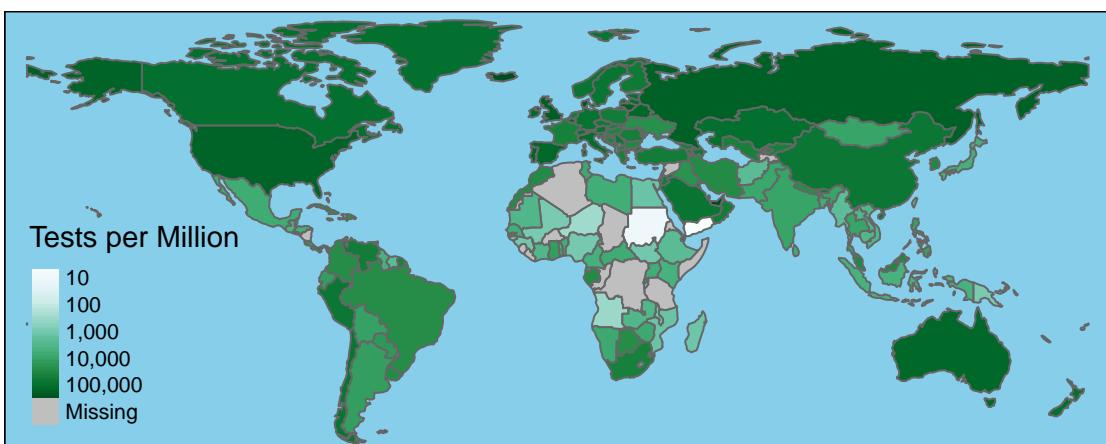
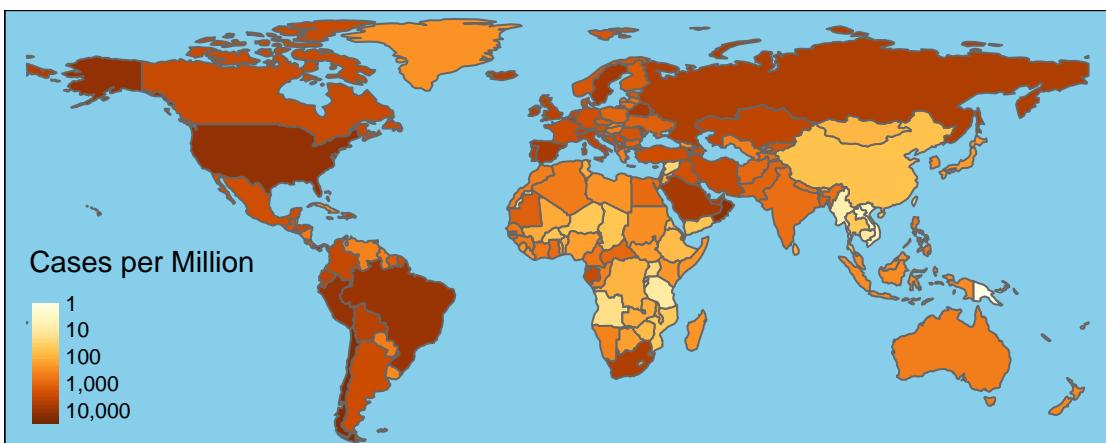
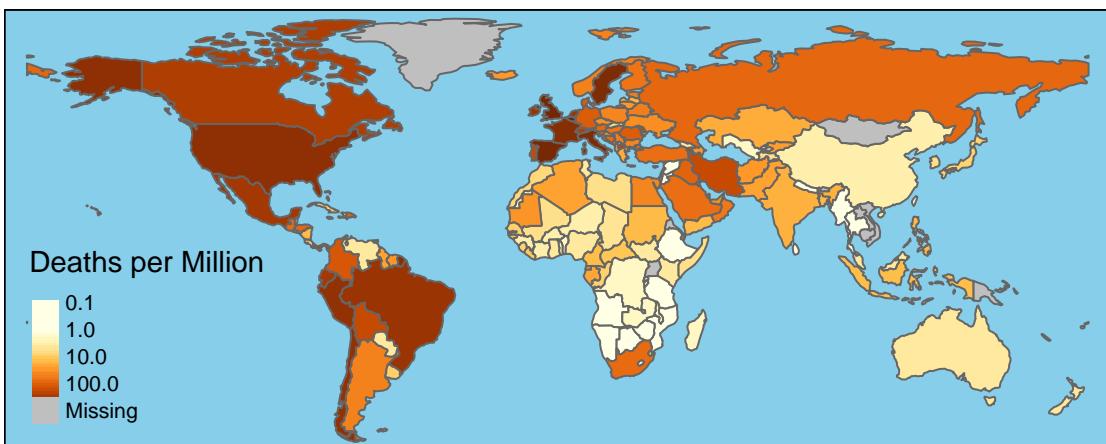


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,616,827	140,144	71,750	1,001
Brazil	1,970,909	75,523	39,705	1,261
India	970,169	24,929	32,682	614
Russia	746,369	11,770	6,422	156
Peru	337,724	12,417	3,857	188
Chile	321,205	7,186	1,712	117
Mexico	311,486	36,327	7,051	836
South Africa	311,049	4,453	12,757	107
Spain	304,574	28,413	875	4
UK	291,911	45,053	538	85
Iran	264,561	13,410	2,388	199
Pakistan	255,769	5,386	2,165	66
Italy	243,506	34,997	162	13
Saudi Arabia	240,474	2,325	2,671	42
Turkey	215,940	5,419	947	17
Germany	201,252	9,148	486	4
Bangladesh	193,590	2,457	3,533	33
France	173,304	30,120	416	20
Colombia	165,169	5,814	5,271	189
Argentina	111,146	2,050	4,236	82



National Data

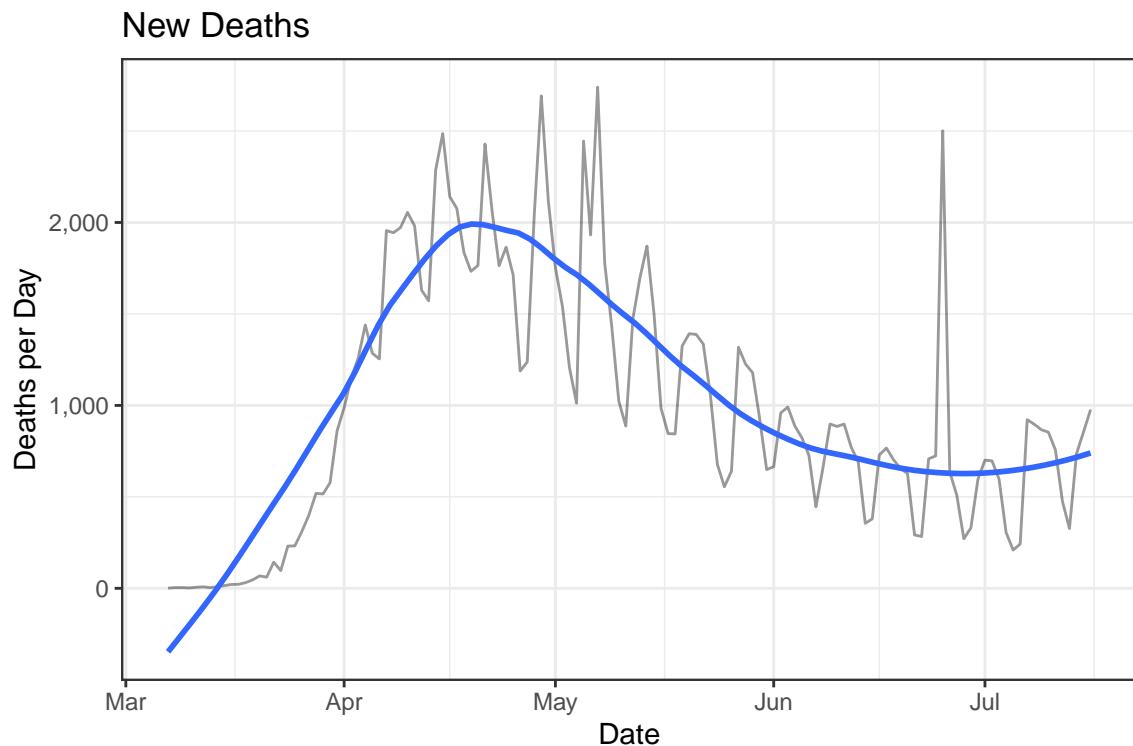
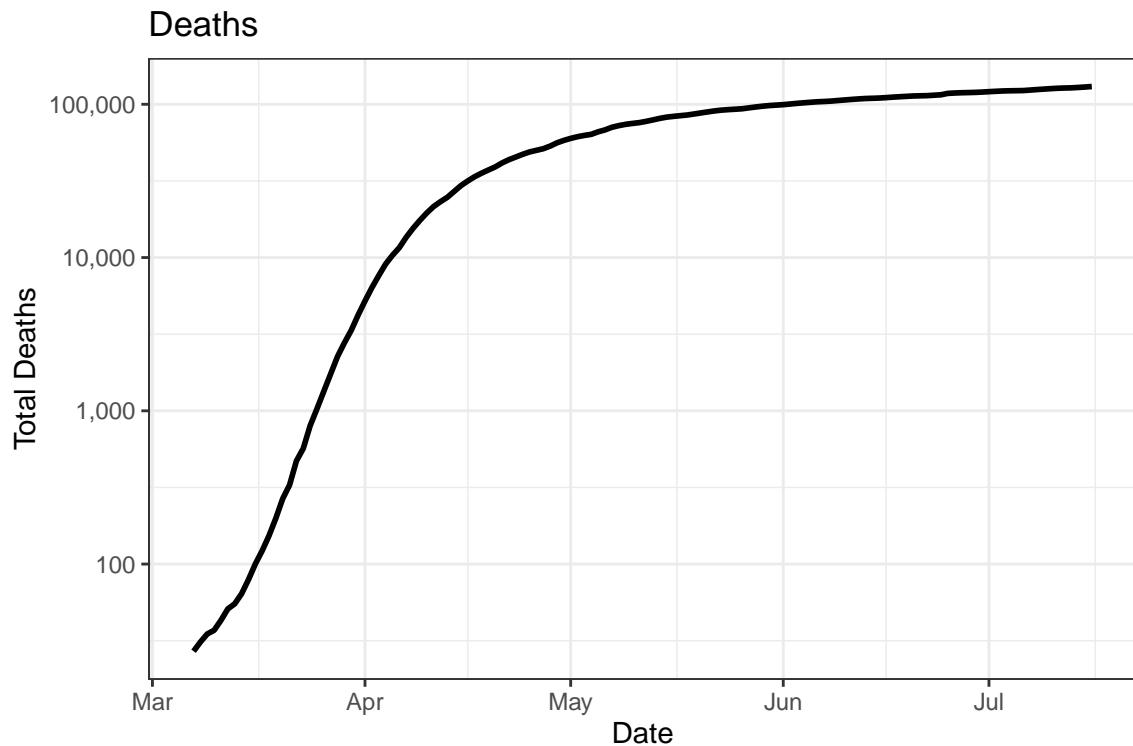
There have been 3,549,648 confirmed Covid-19 cases and 130,572 deaths in the United States.

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

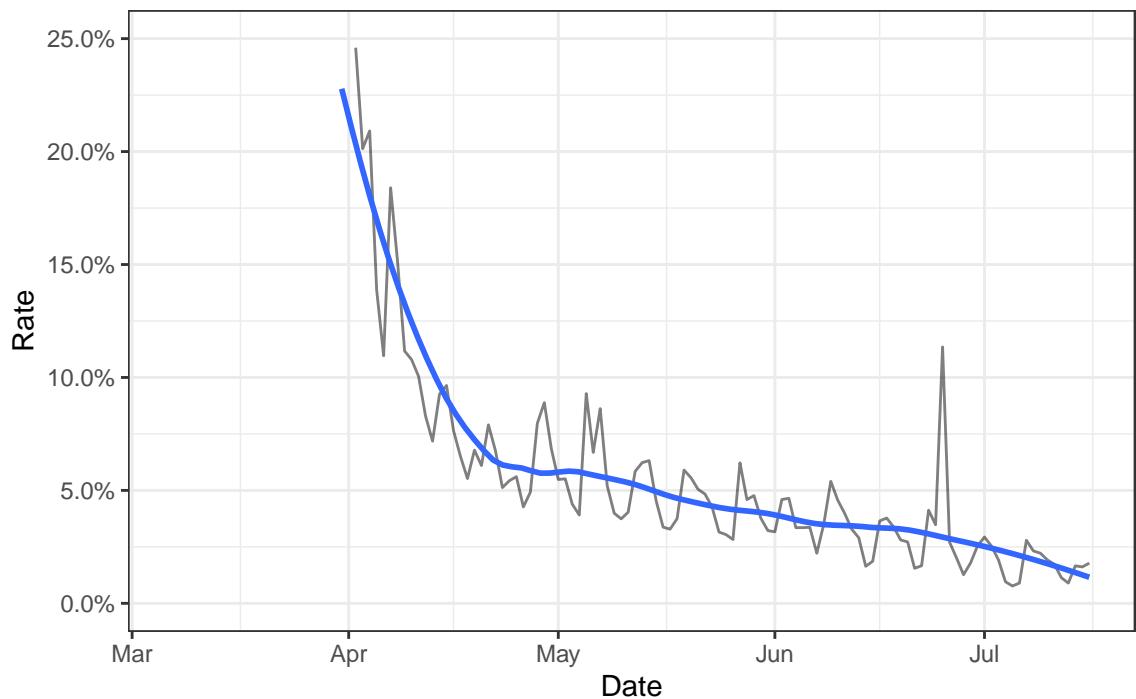
Date	Cases	Deaths	New Cases	New Deaths
2020-07-16	3,549,648	130,572	71,229	977
2020-07-15	3,478,419	129,595	65,106	855
2020-07-14	3,413,313	128,740	62,879	736
2020-07-13	3,350,434	128,004	58,465	327
2020-07-12	3,291,969	127,677	60,978	476
2020-07-11	3,230,991	127,201	63,007	757
2020-07-10	3,167,984	126,444	66,645	854
2020-07-09	3,101,339	125,590	58,836	867
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922
2020-07-06	2,928,590	122,904	47,430	242
2020-07-05	2,881,160	122,662	42,602	209
2020-07-04	2,838,558	122,453	52,091	306
2020-07-03	2,786,467	122,147	56,575	597

Deaths

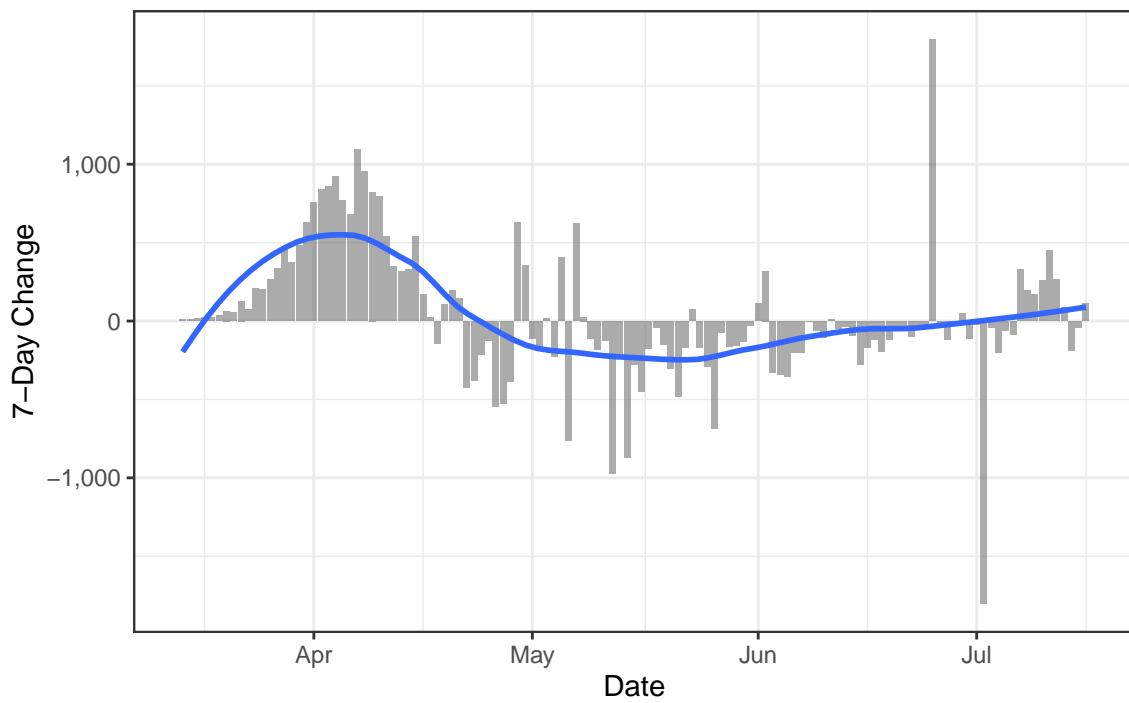
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

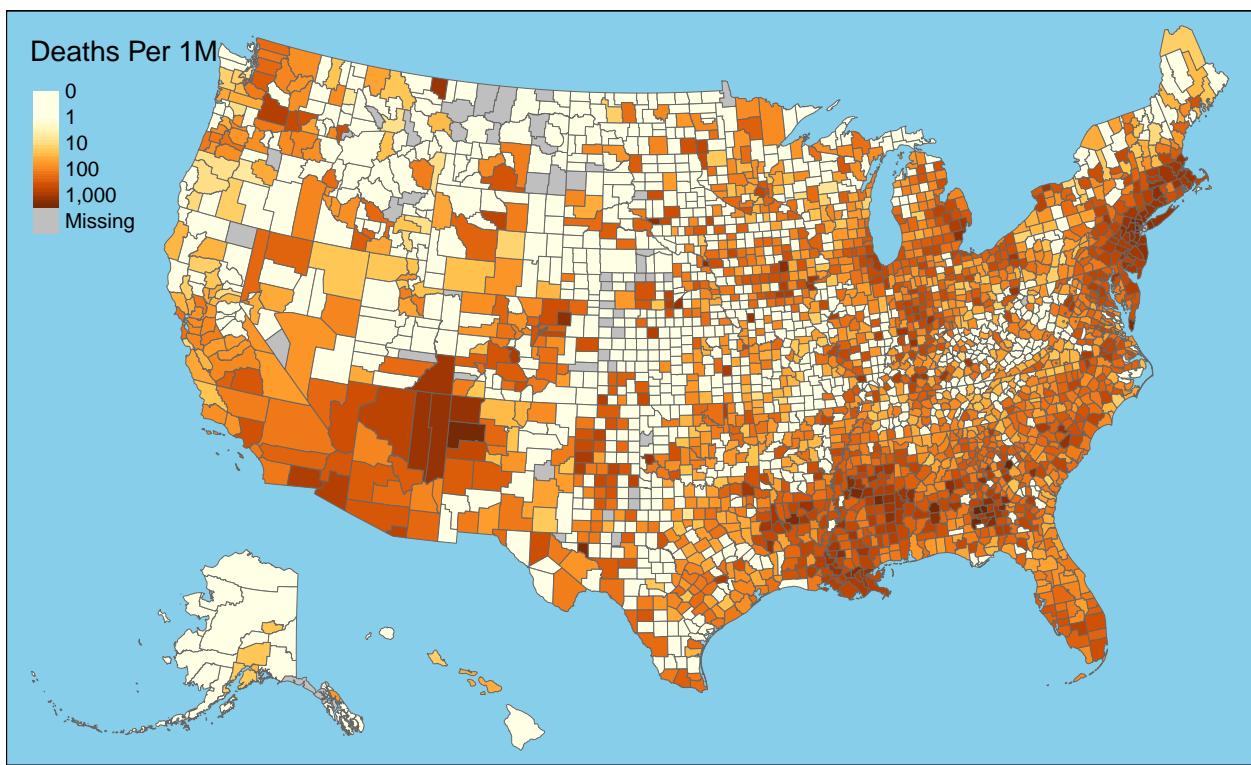


Daily Case Mortality Rate



One-Week Change in Daily Deaths

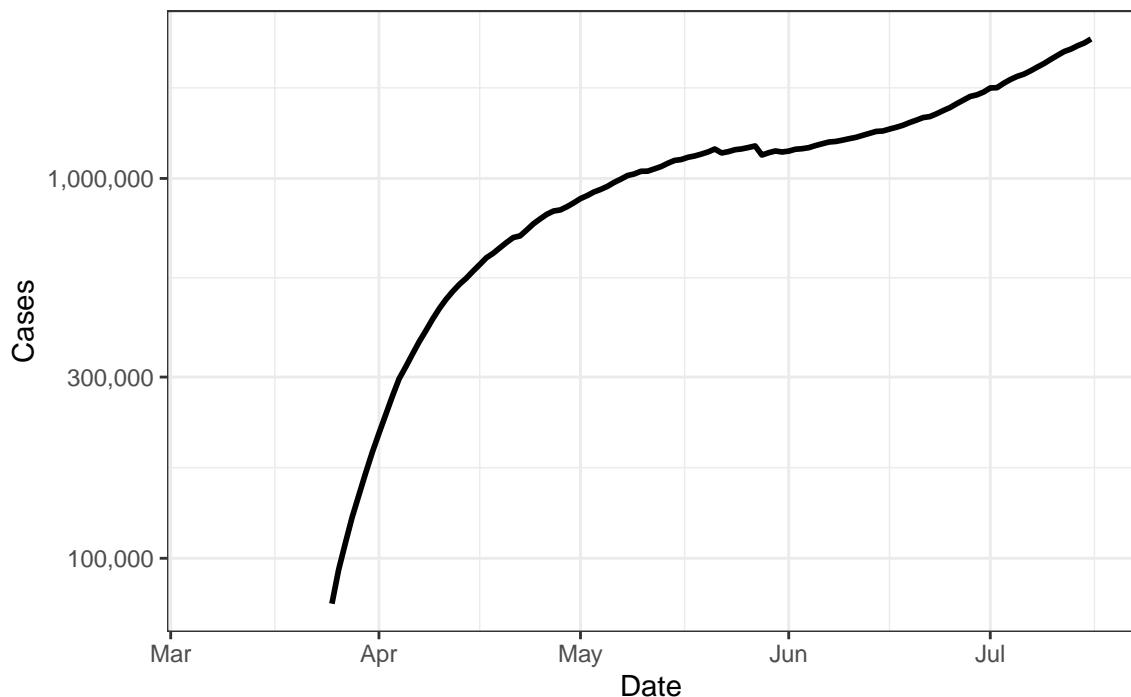




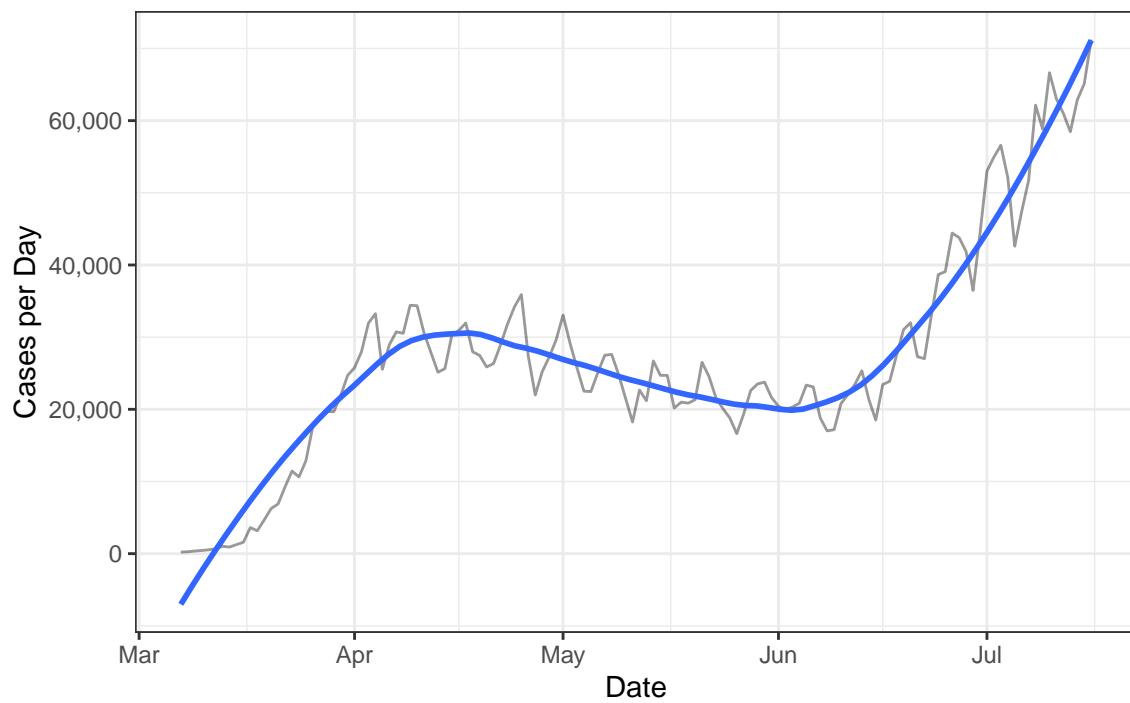
Cases

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

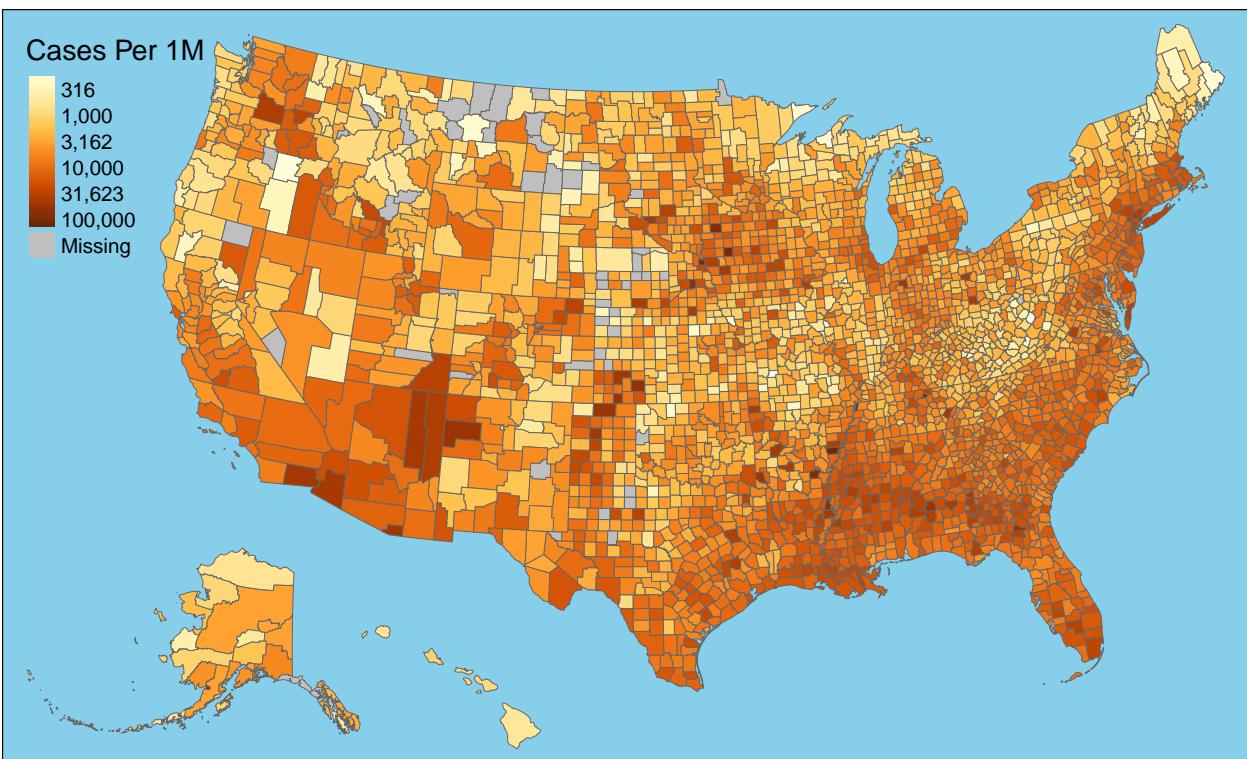
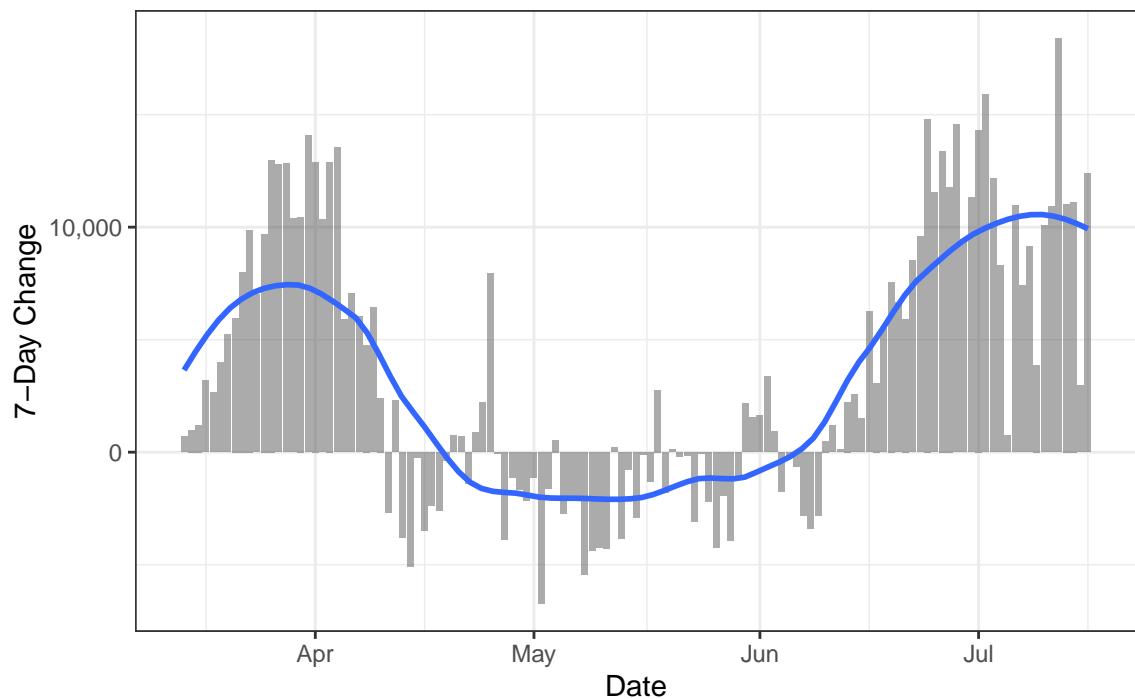
Active Cases



New Cases

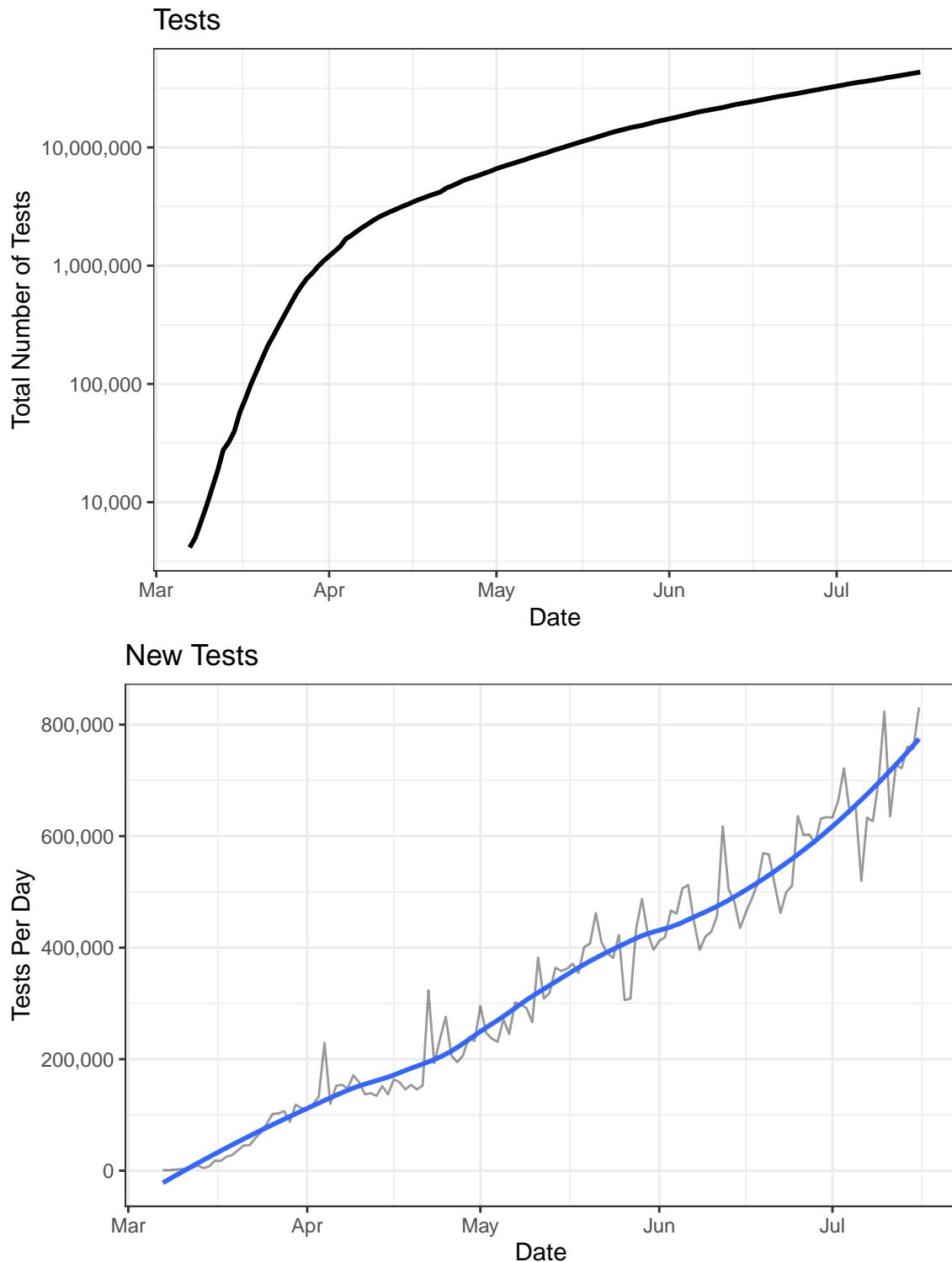


One-Week Change in Daily Cases

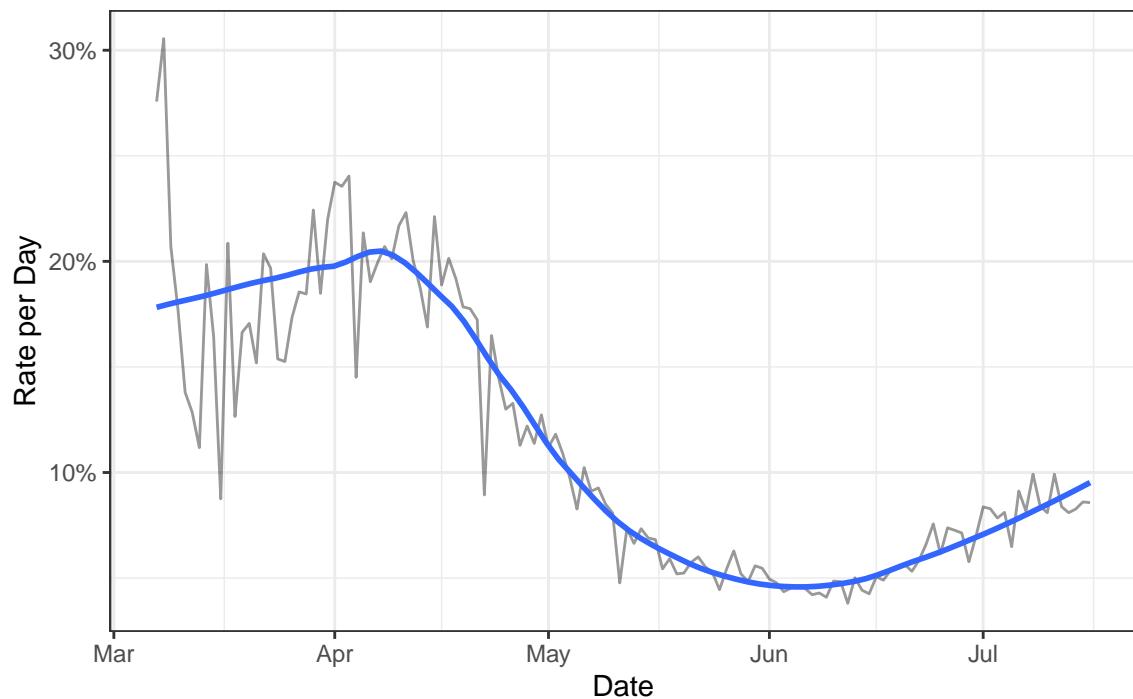


Testing

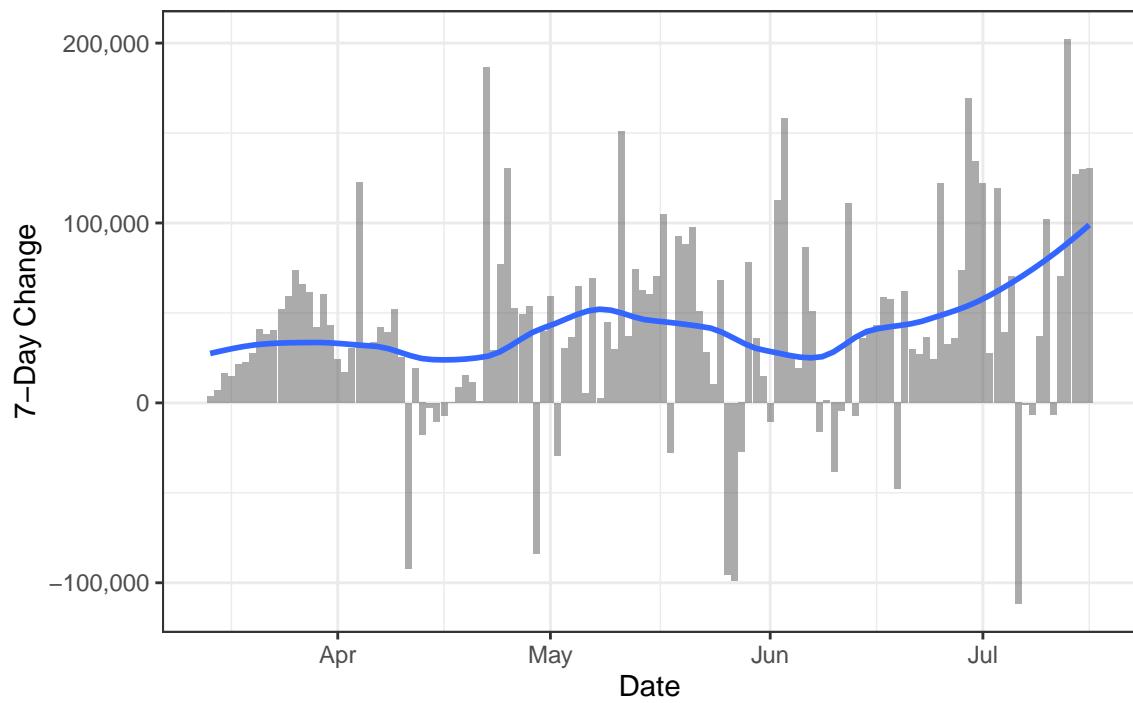
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

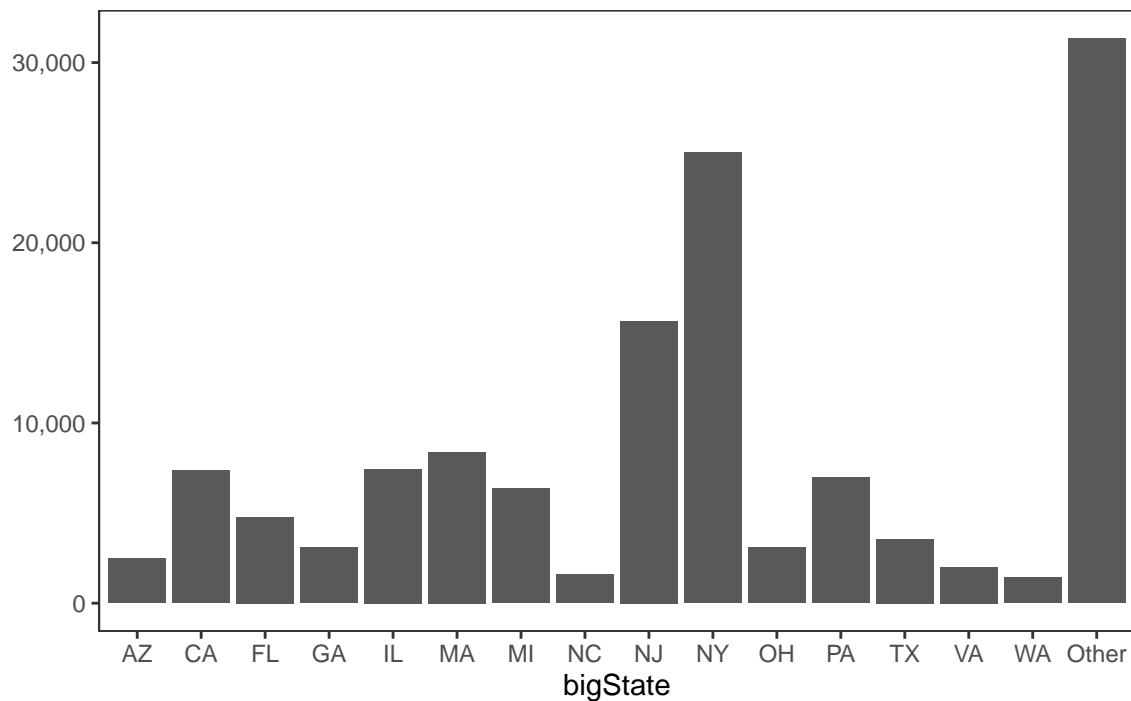


State Data

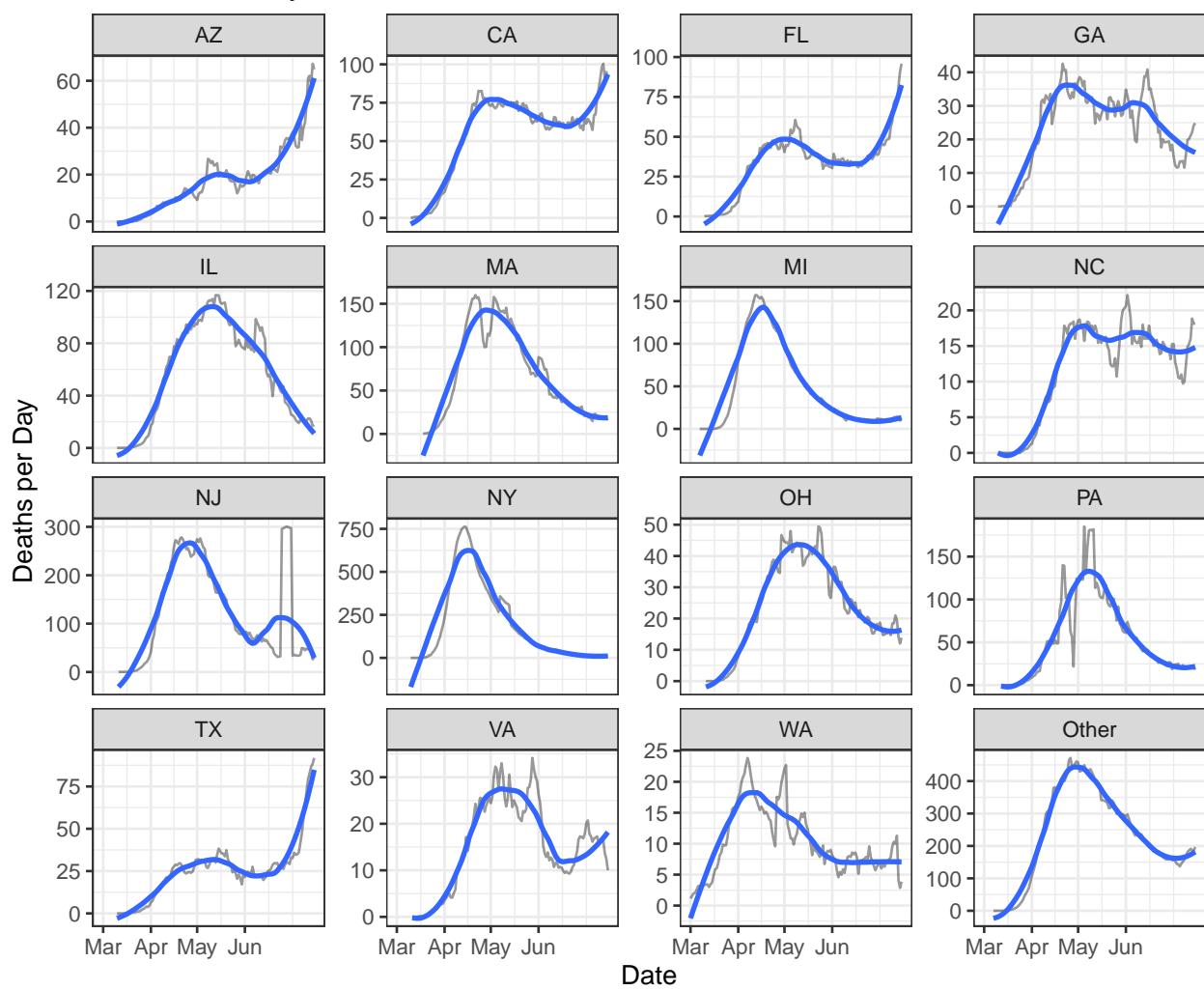
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

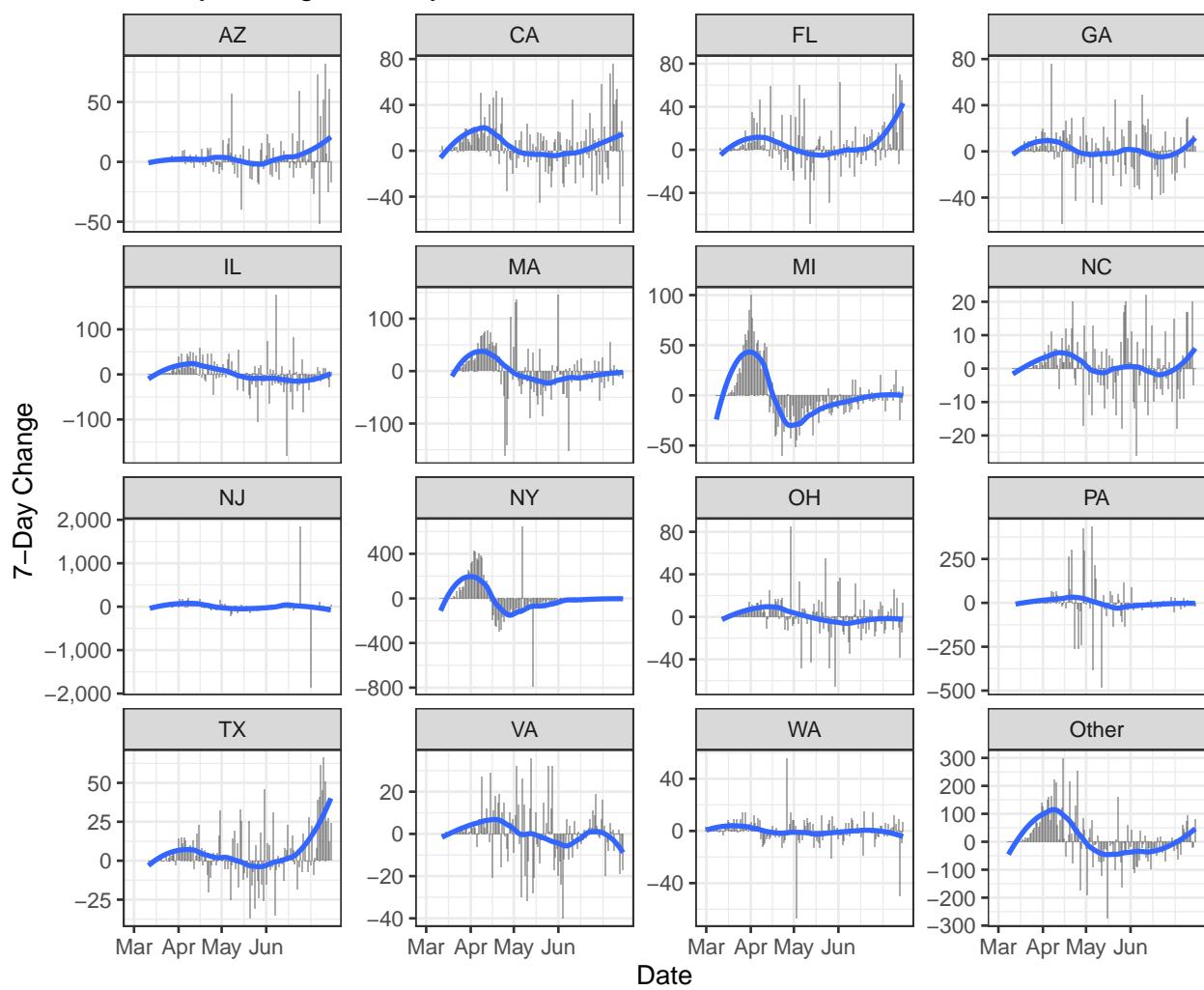
Deaths by State

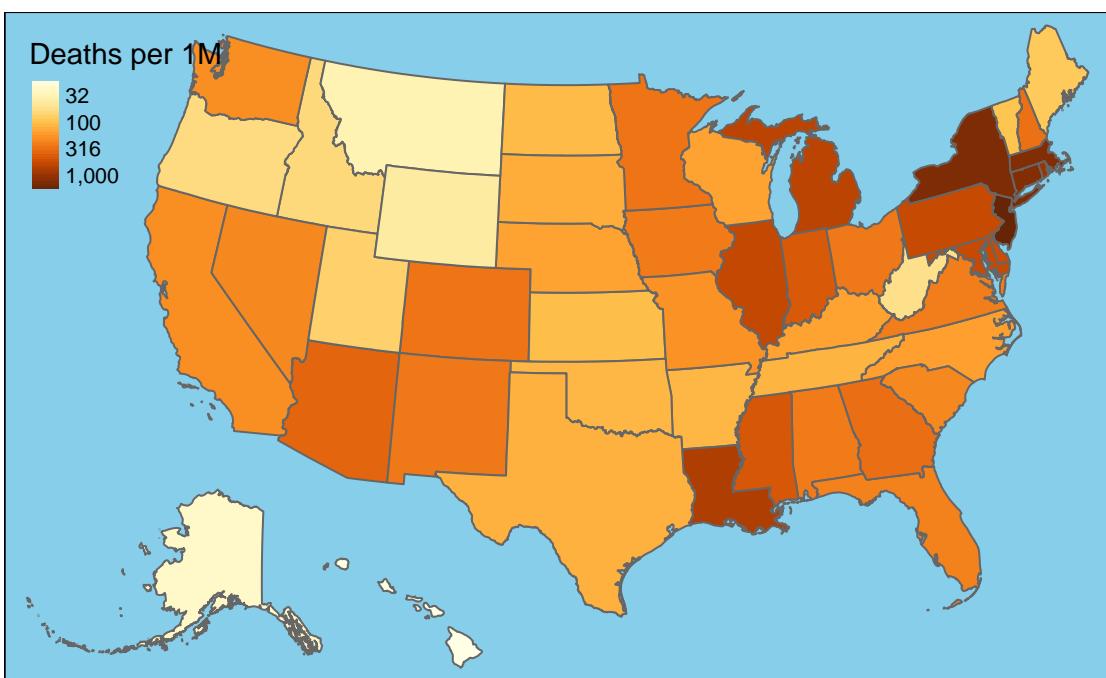
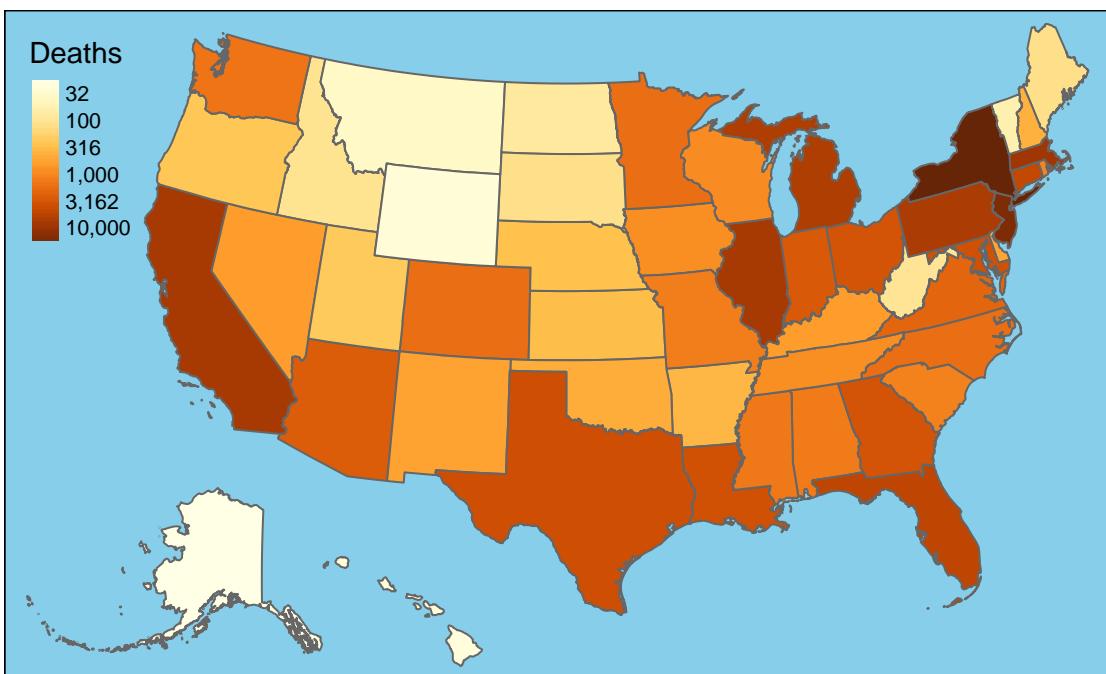


New Deaths by State



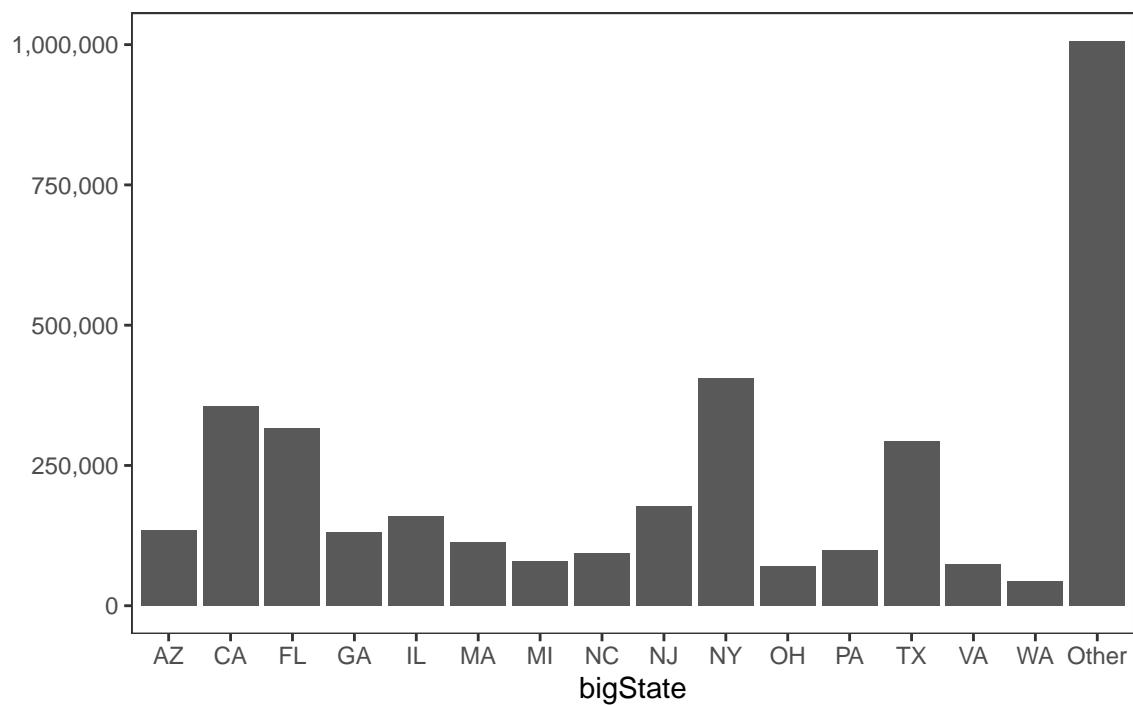
7-Day Change in Daily Deaths



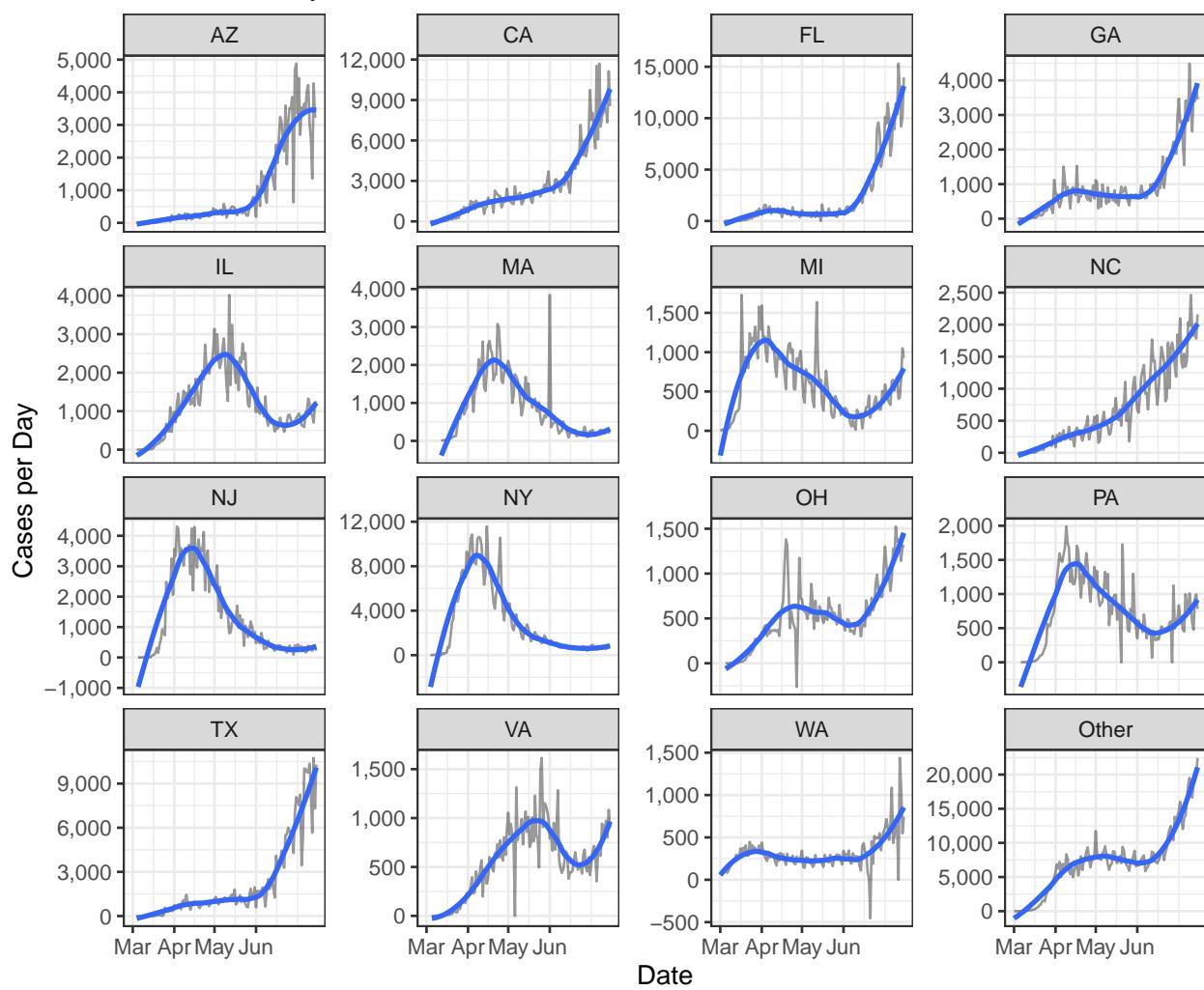


Cases

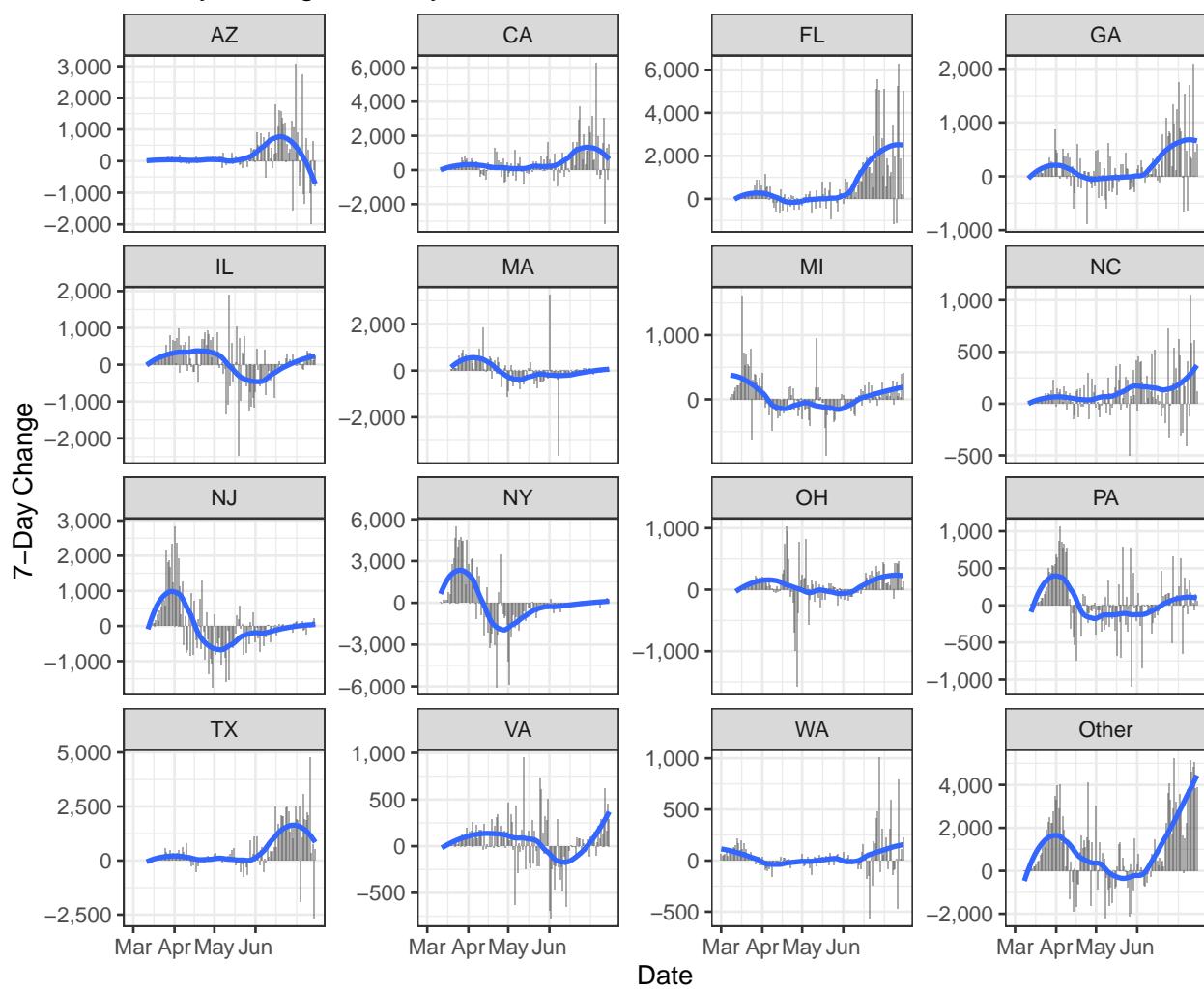
Cases by State

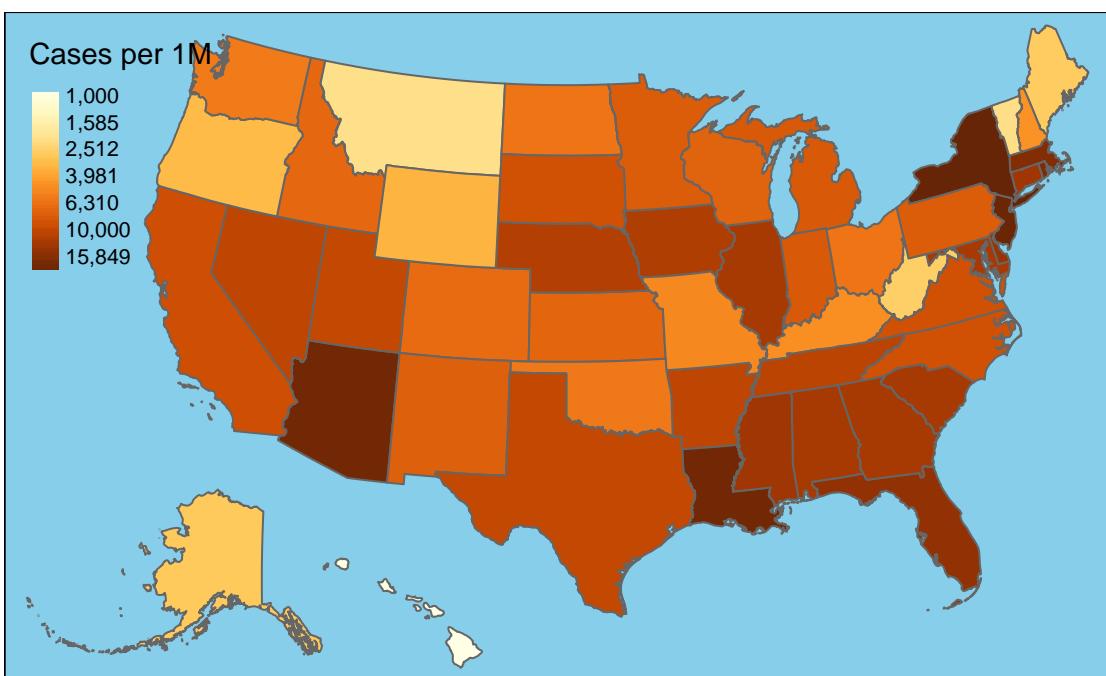
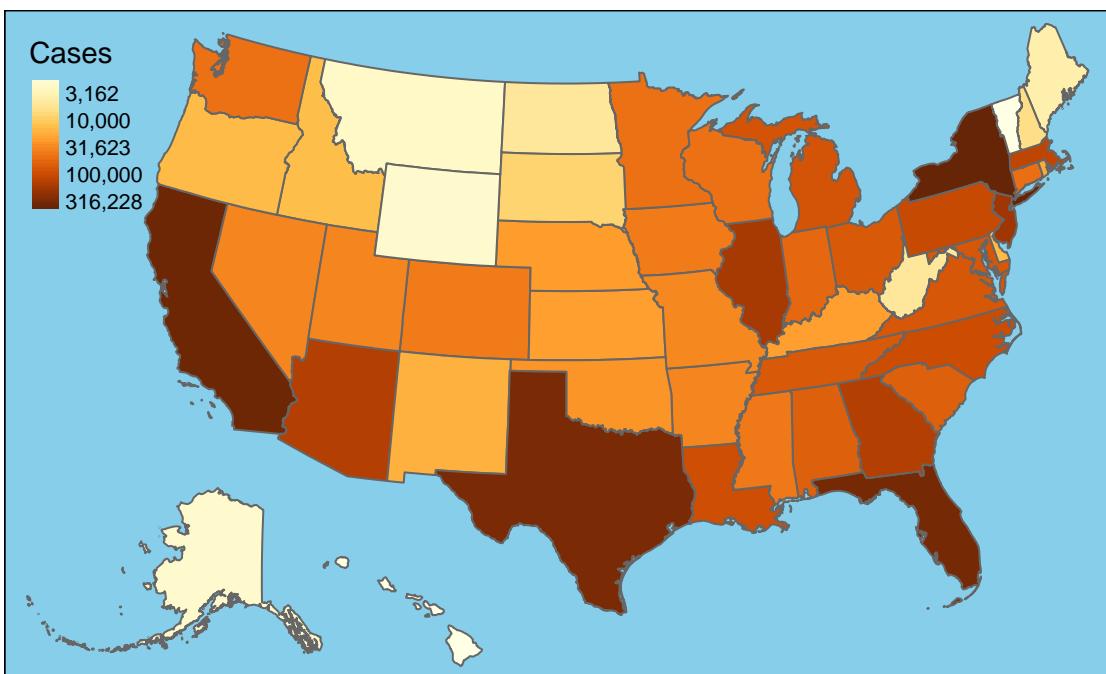


New Cases by State



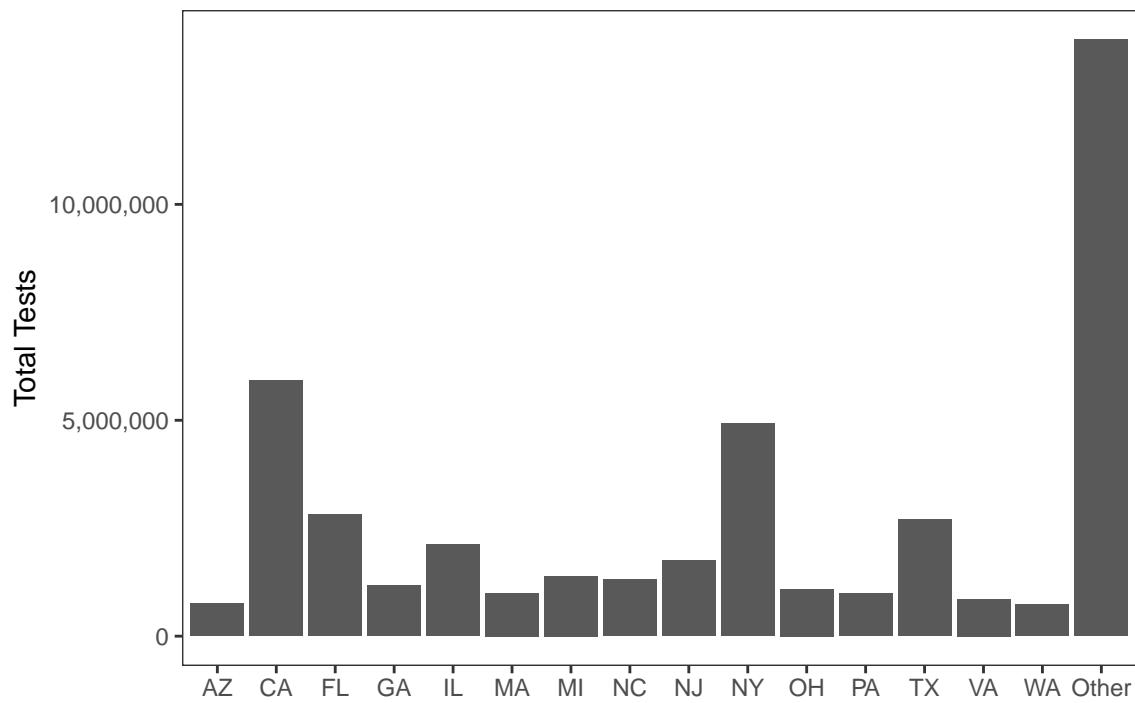
7-Day Change in Daily Cases



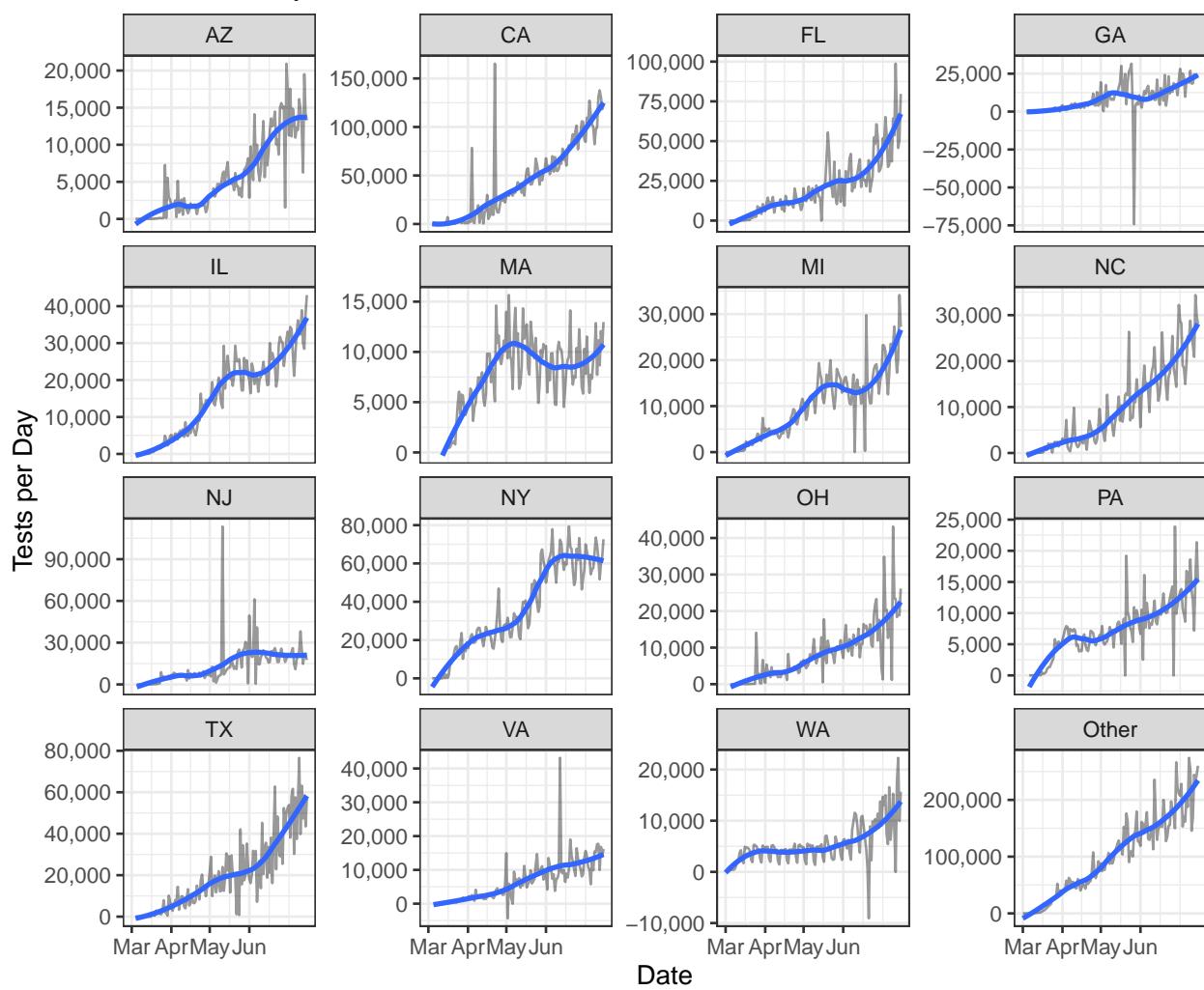


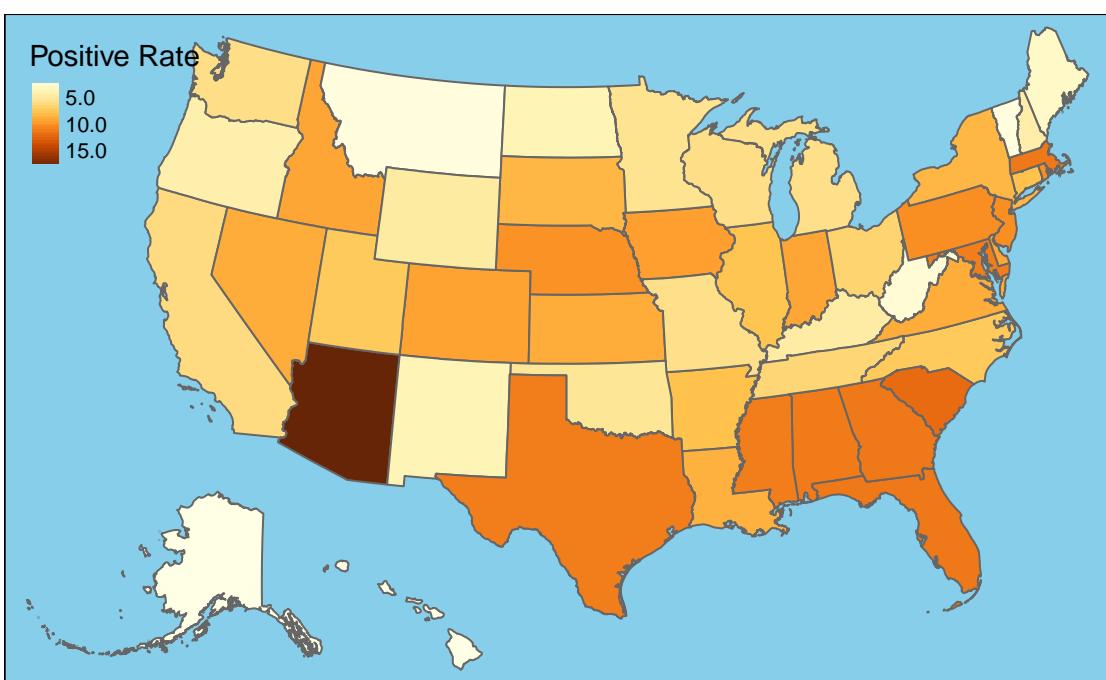
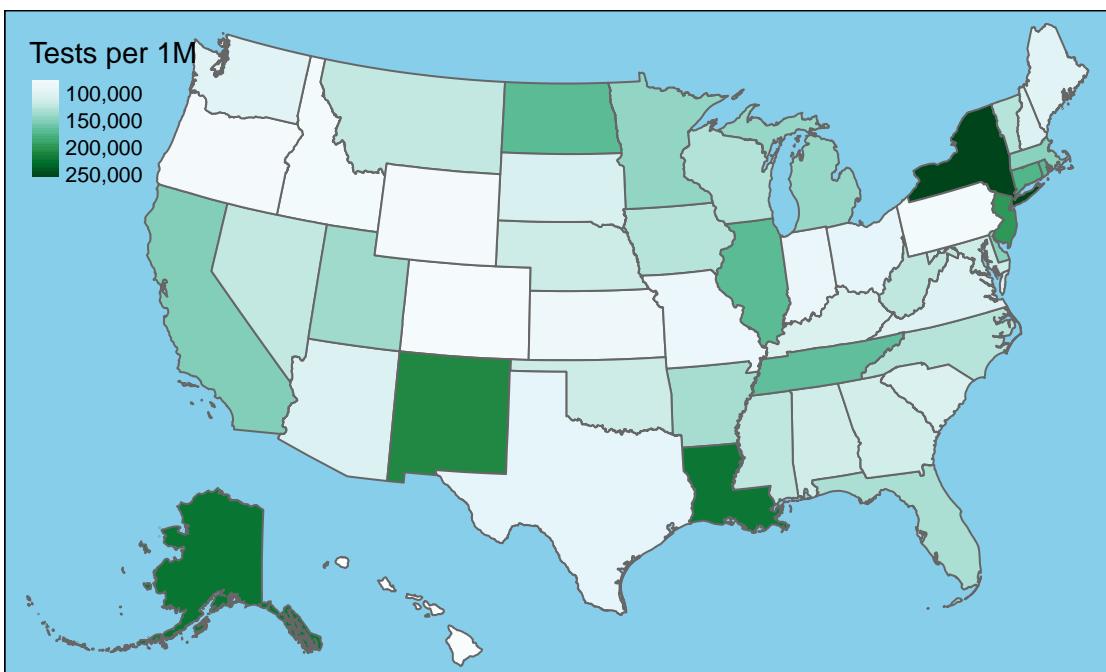
Testing

Tests by State



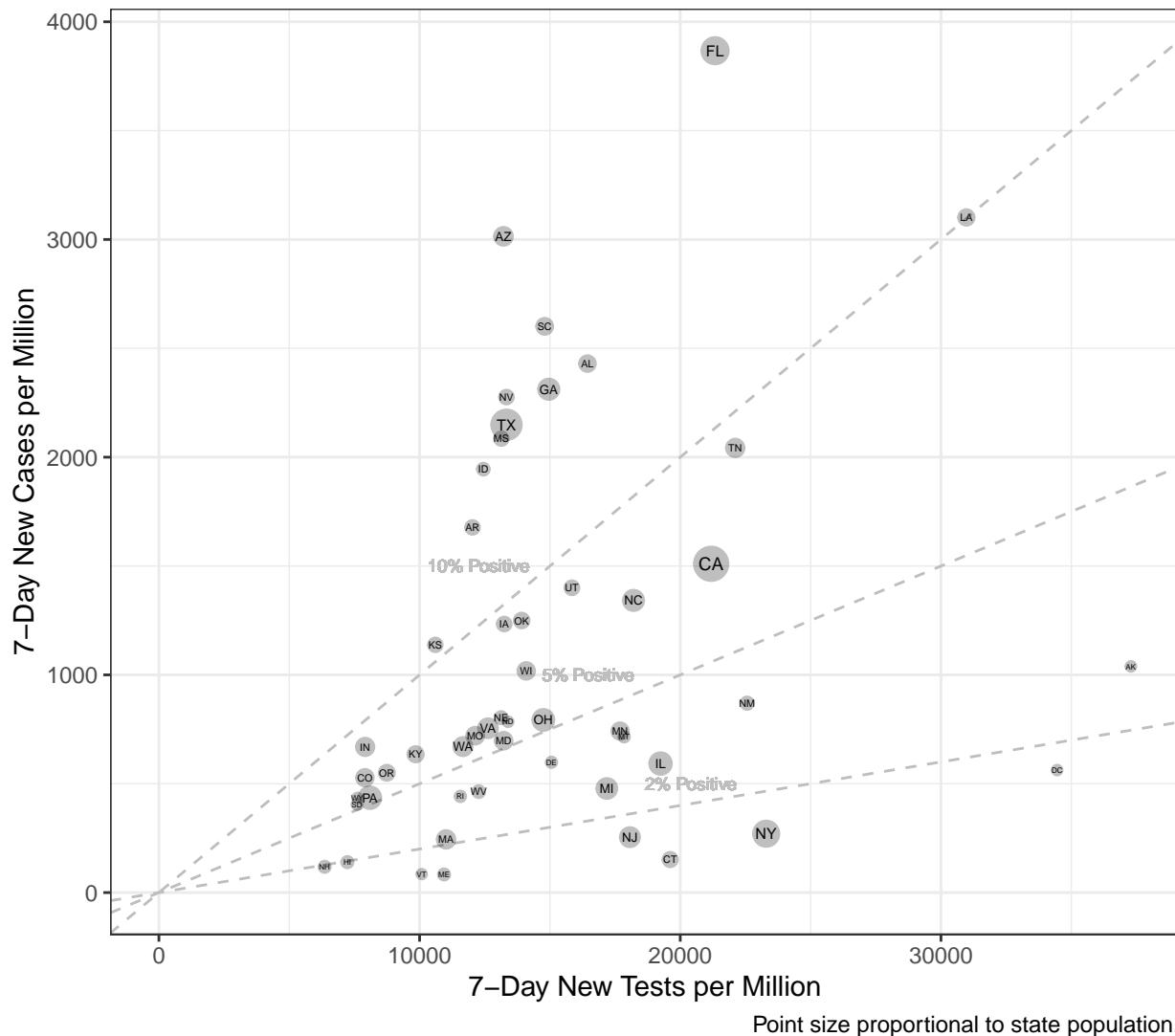
New Tests by State





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



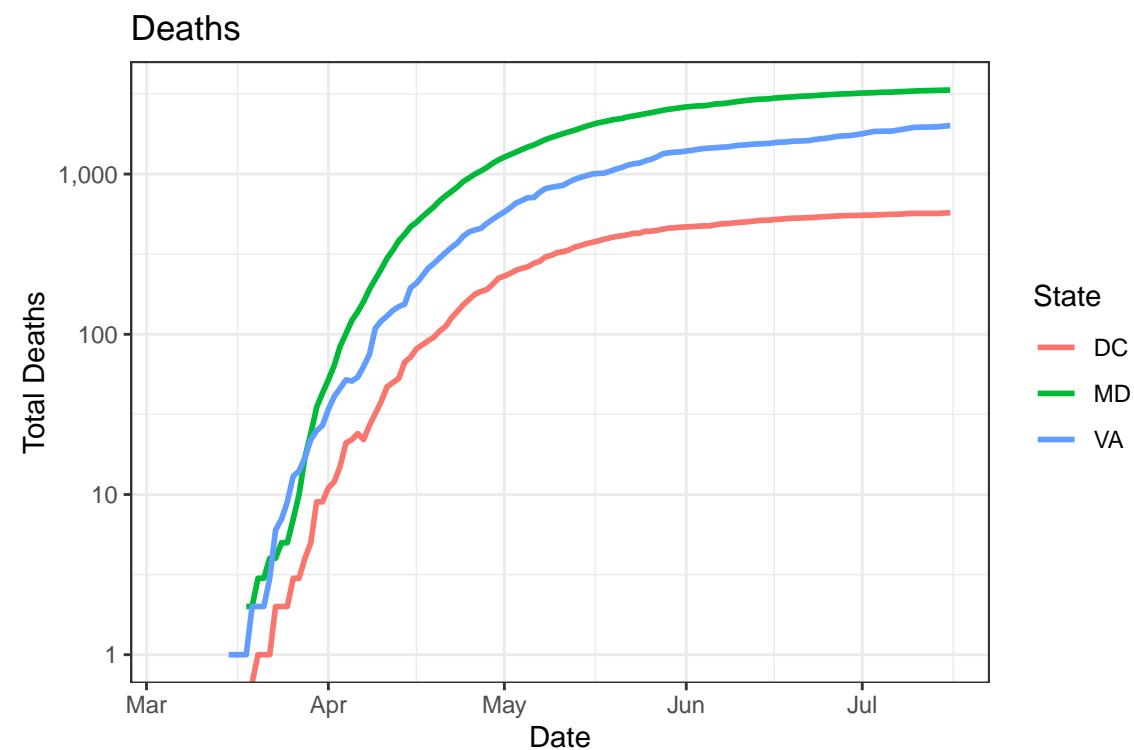
Local Data

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

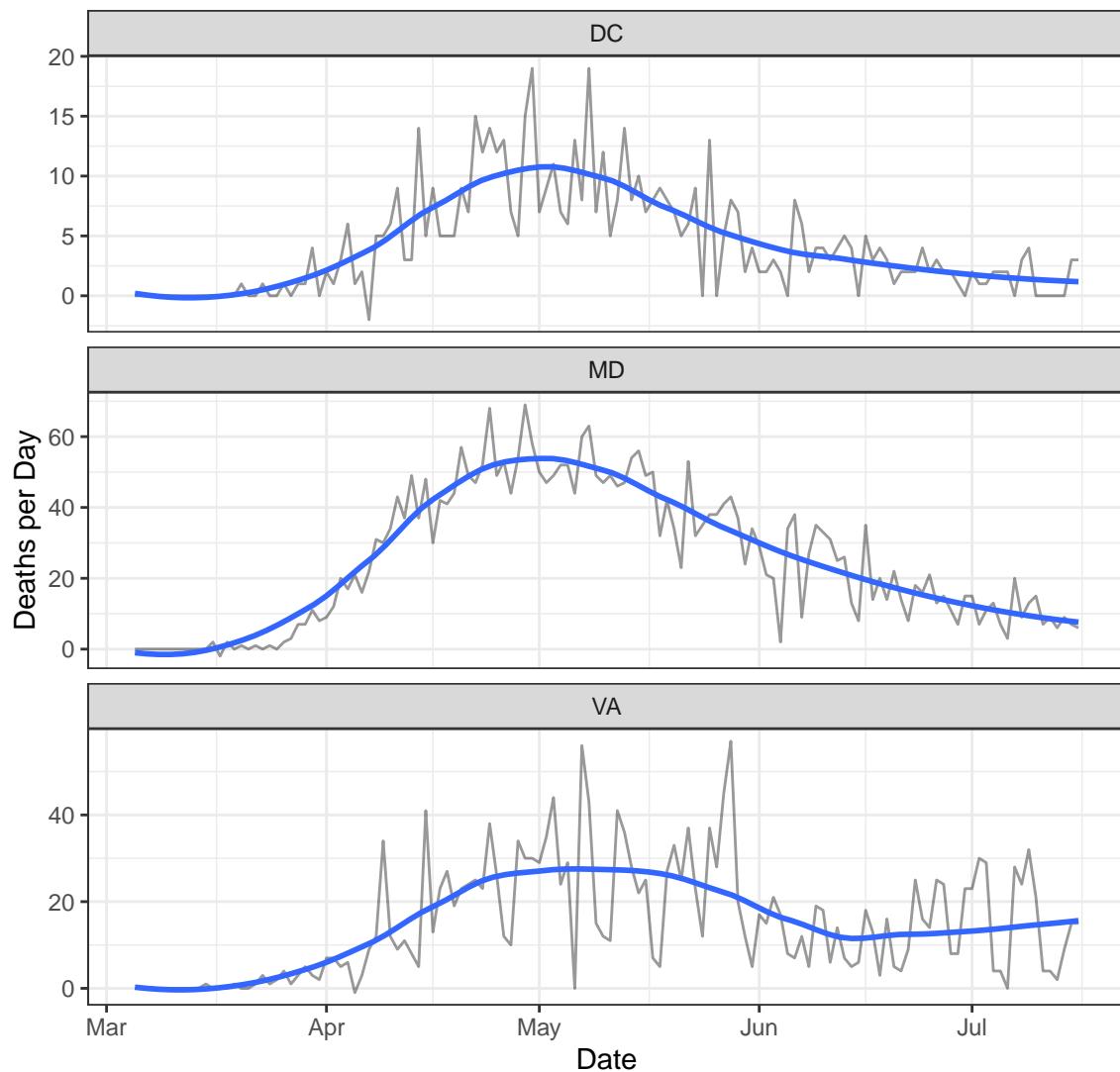
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,076	574	50	3
MD	75,664	3,347	648	6
VA	74,431	2,007	904	15

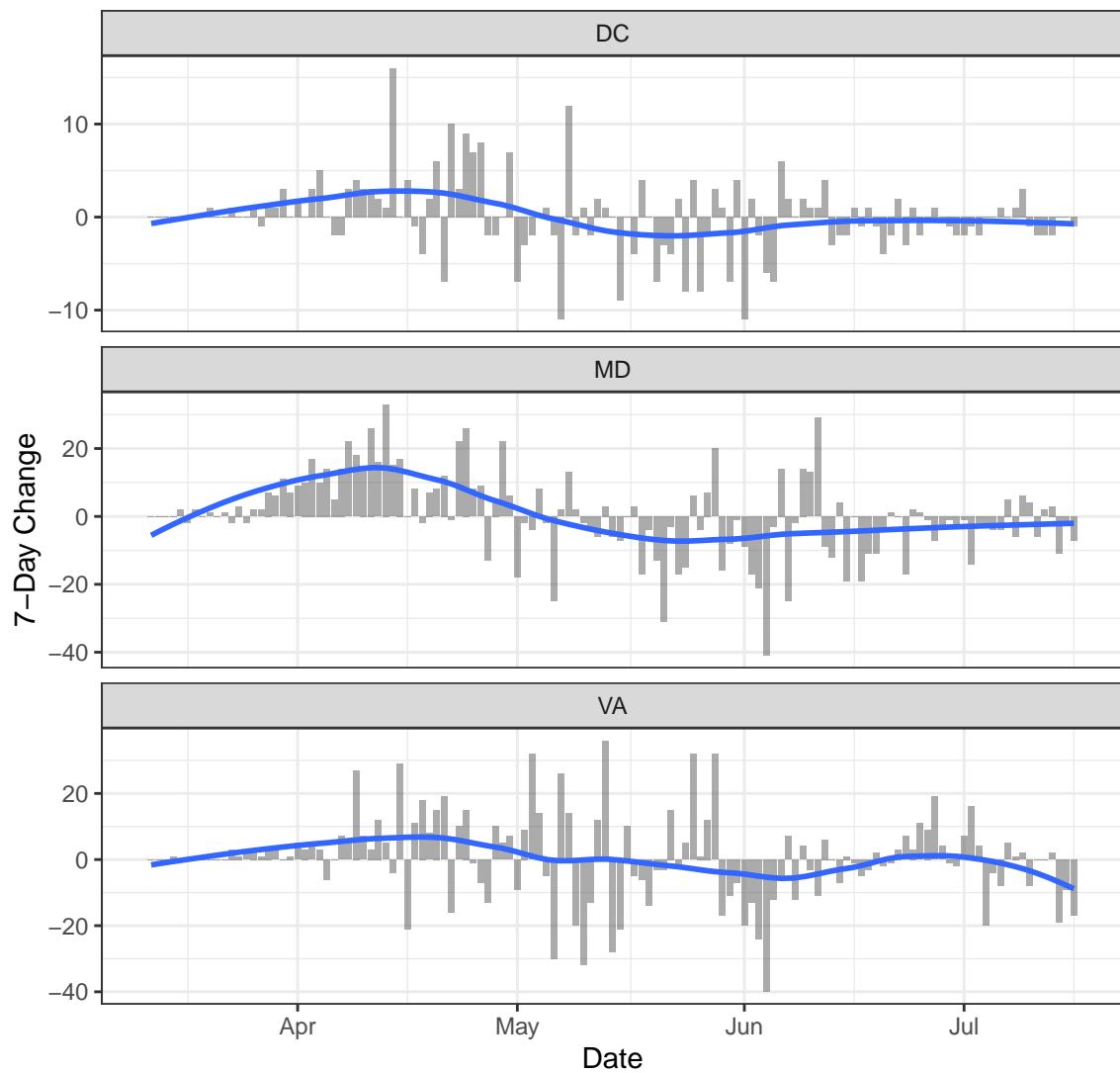
Deaths

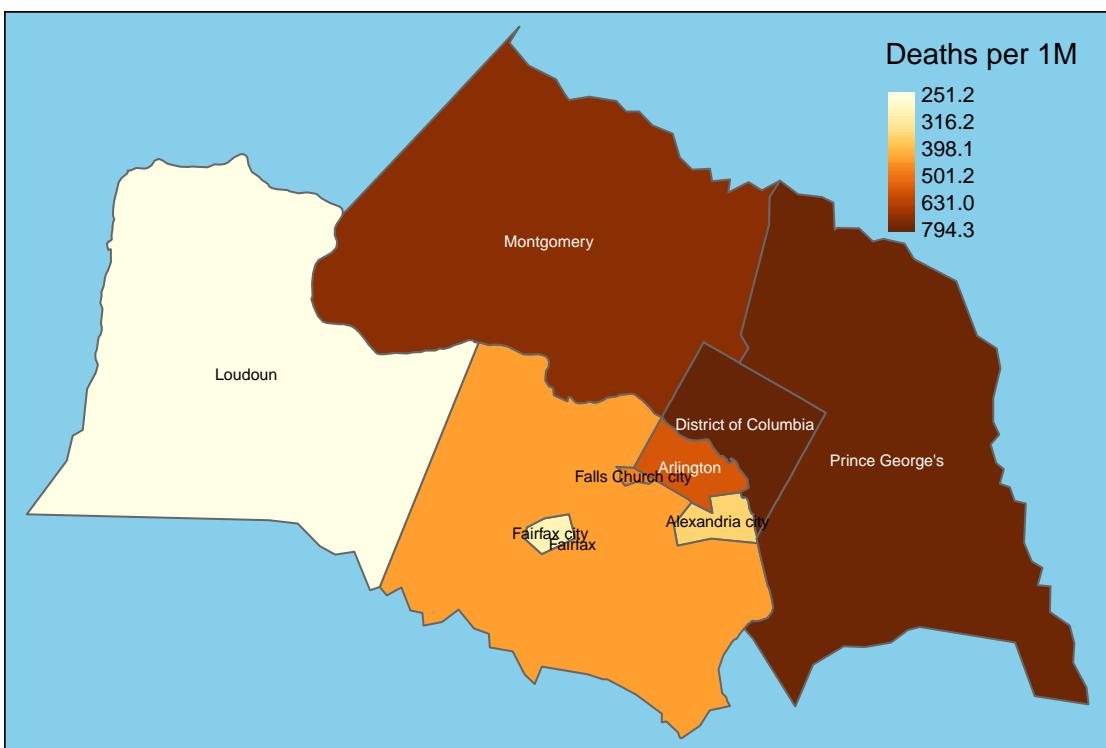
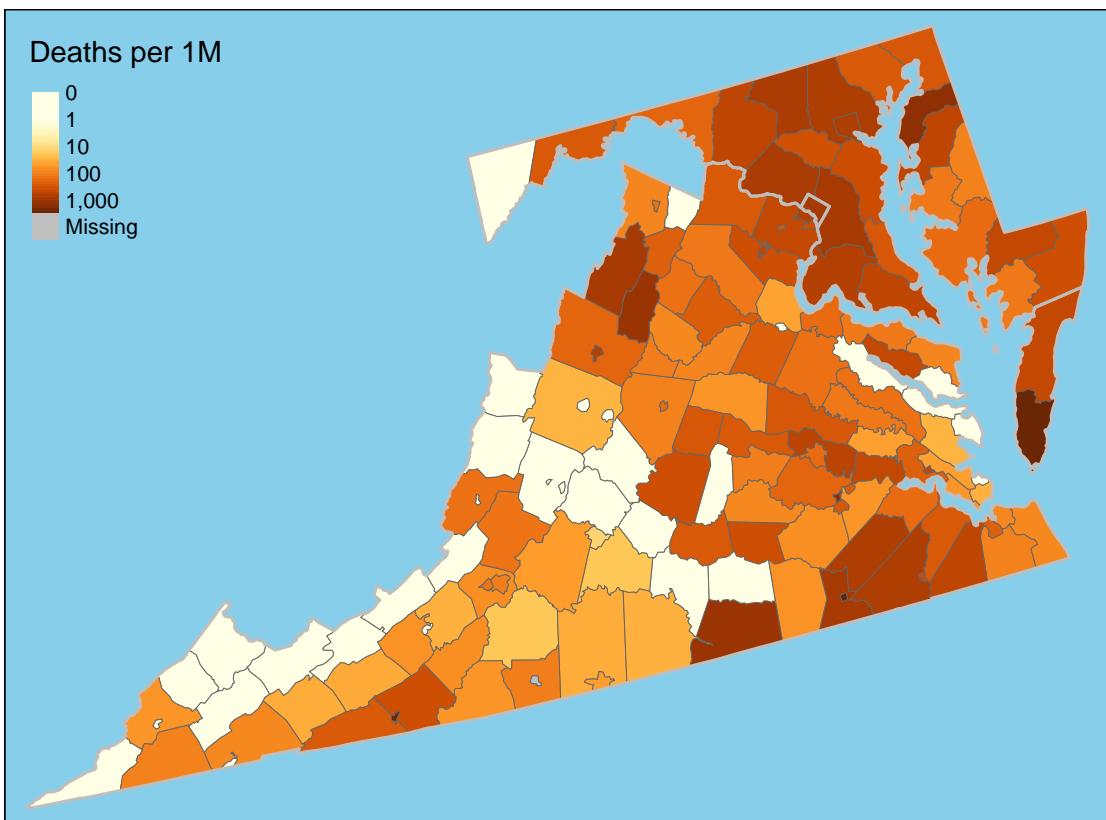


New Deaths

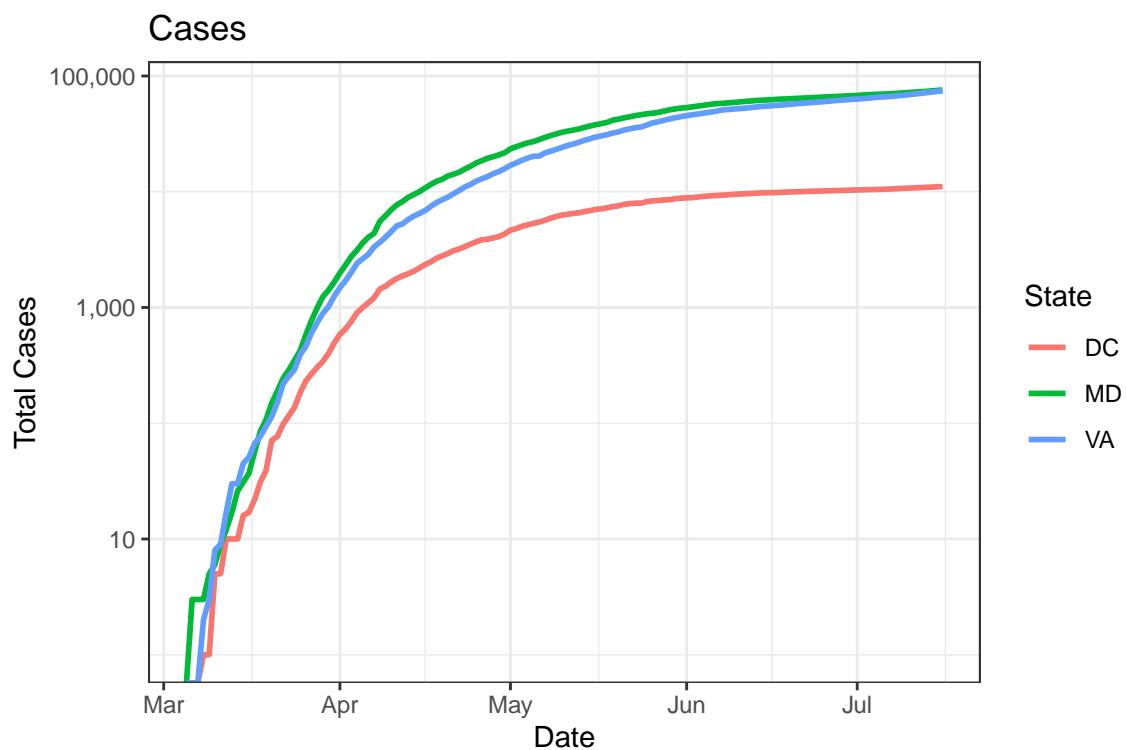


One-Week Change in Daily Deaths

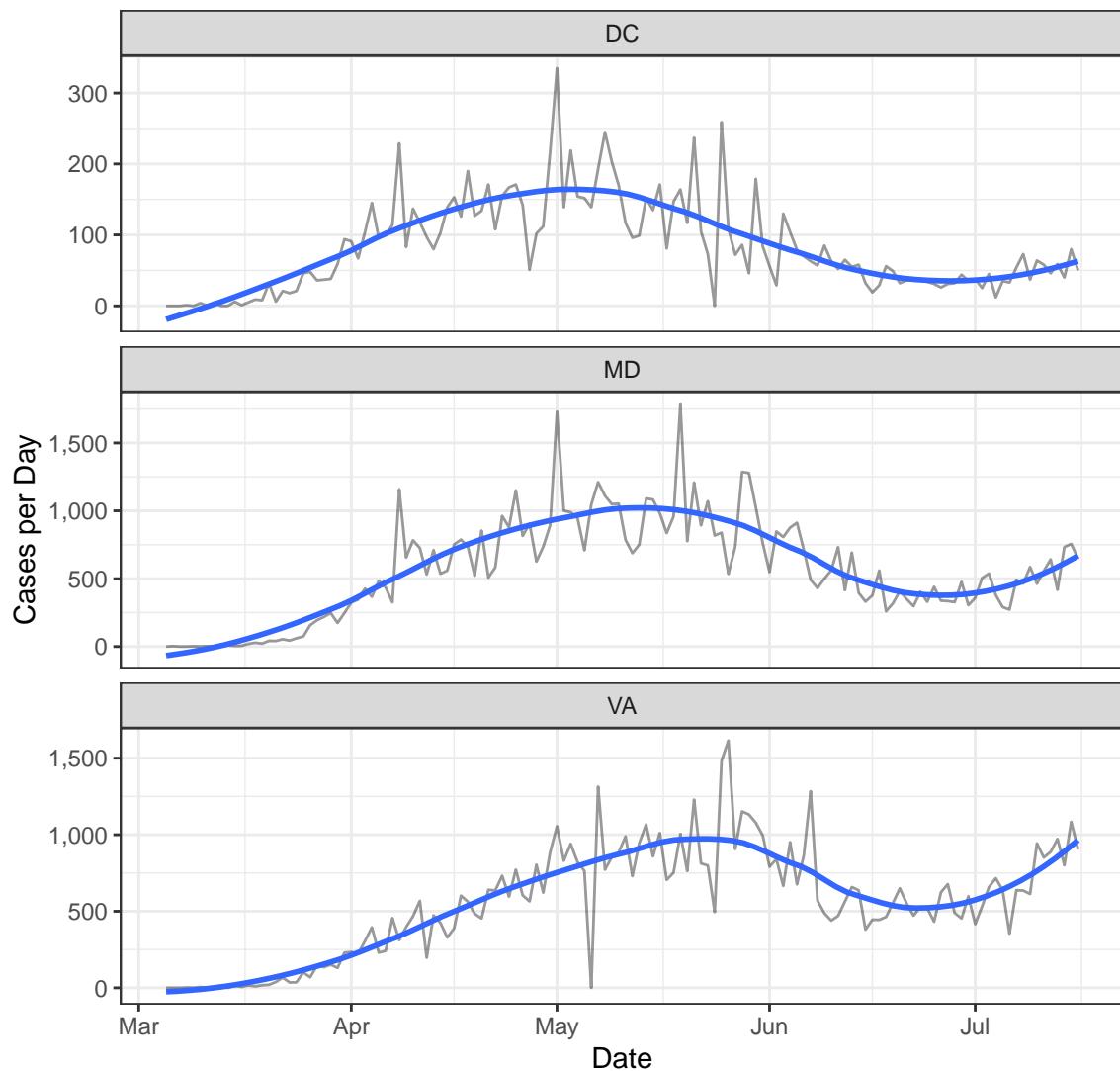




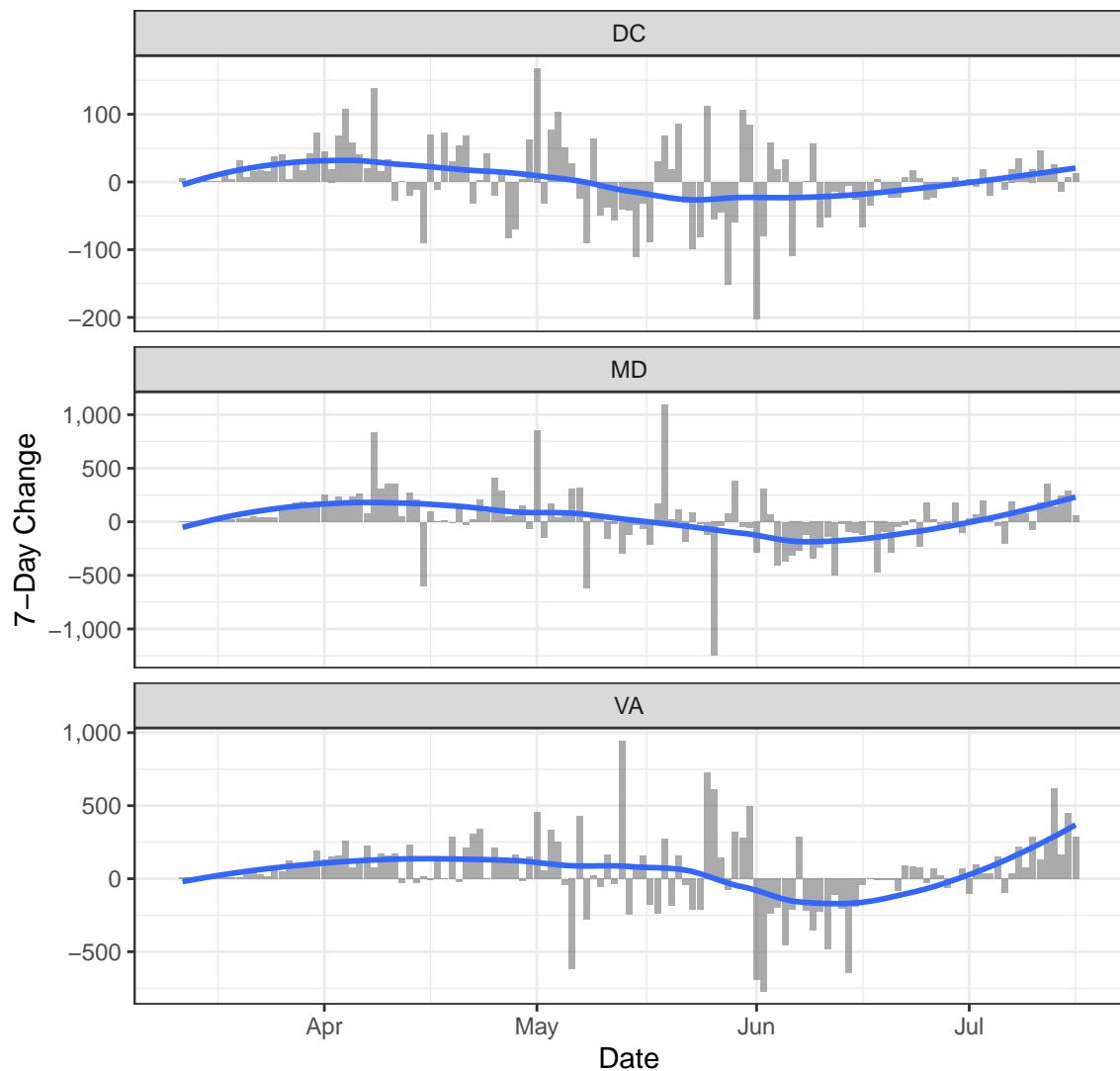
Cases

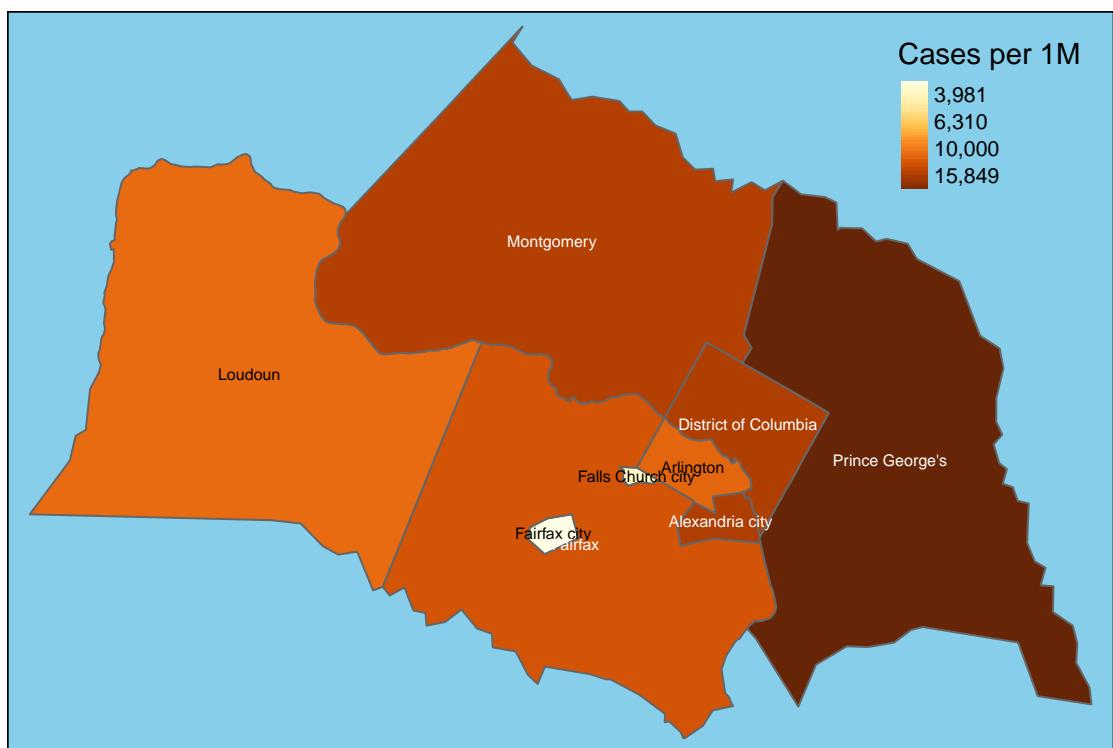
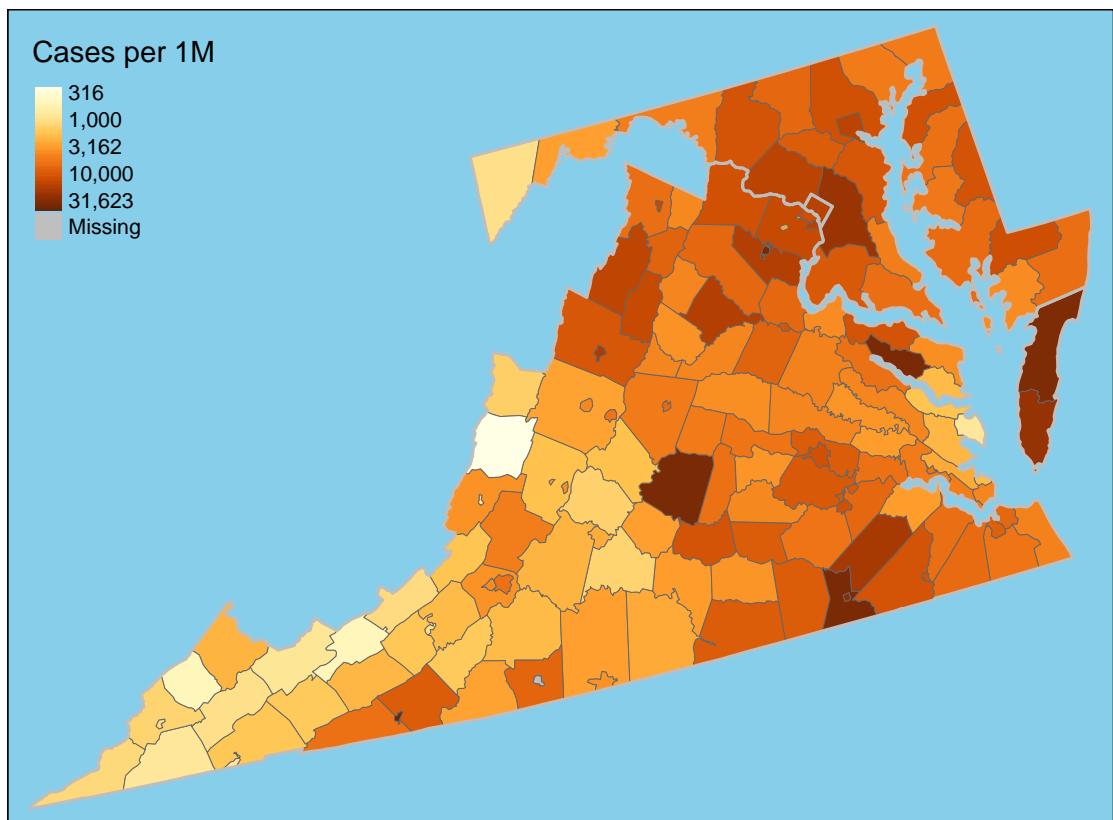


New Cases

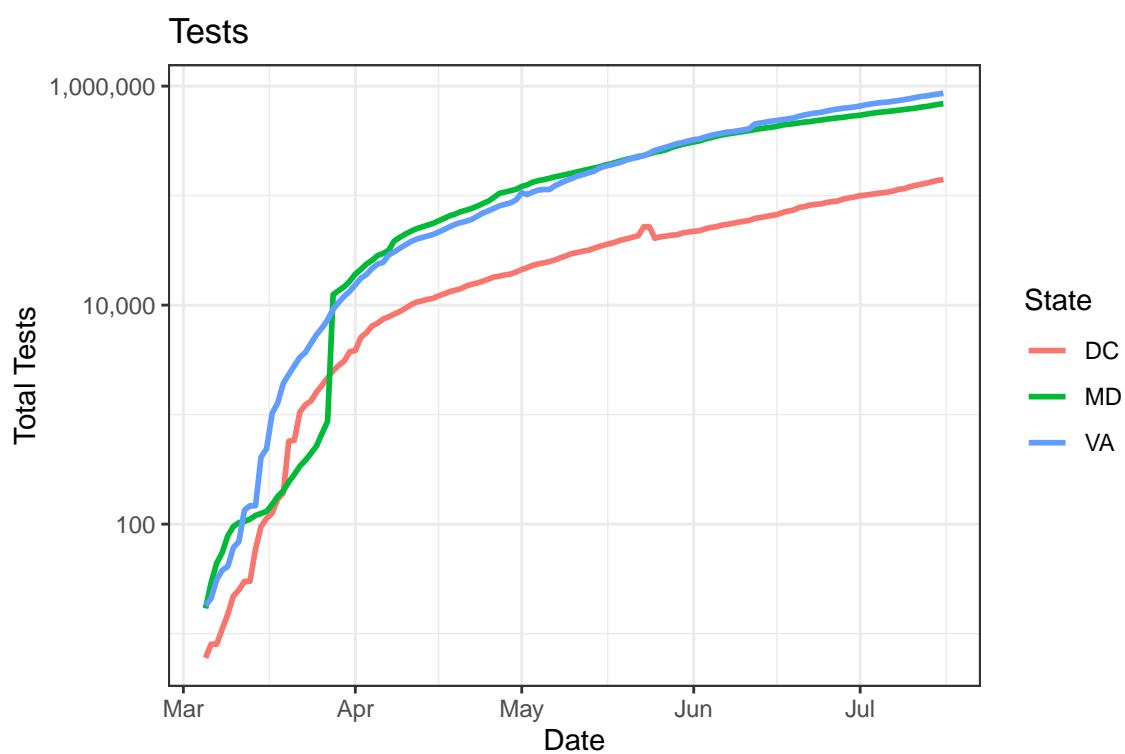


One-Week Change in Daily Cases

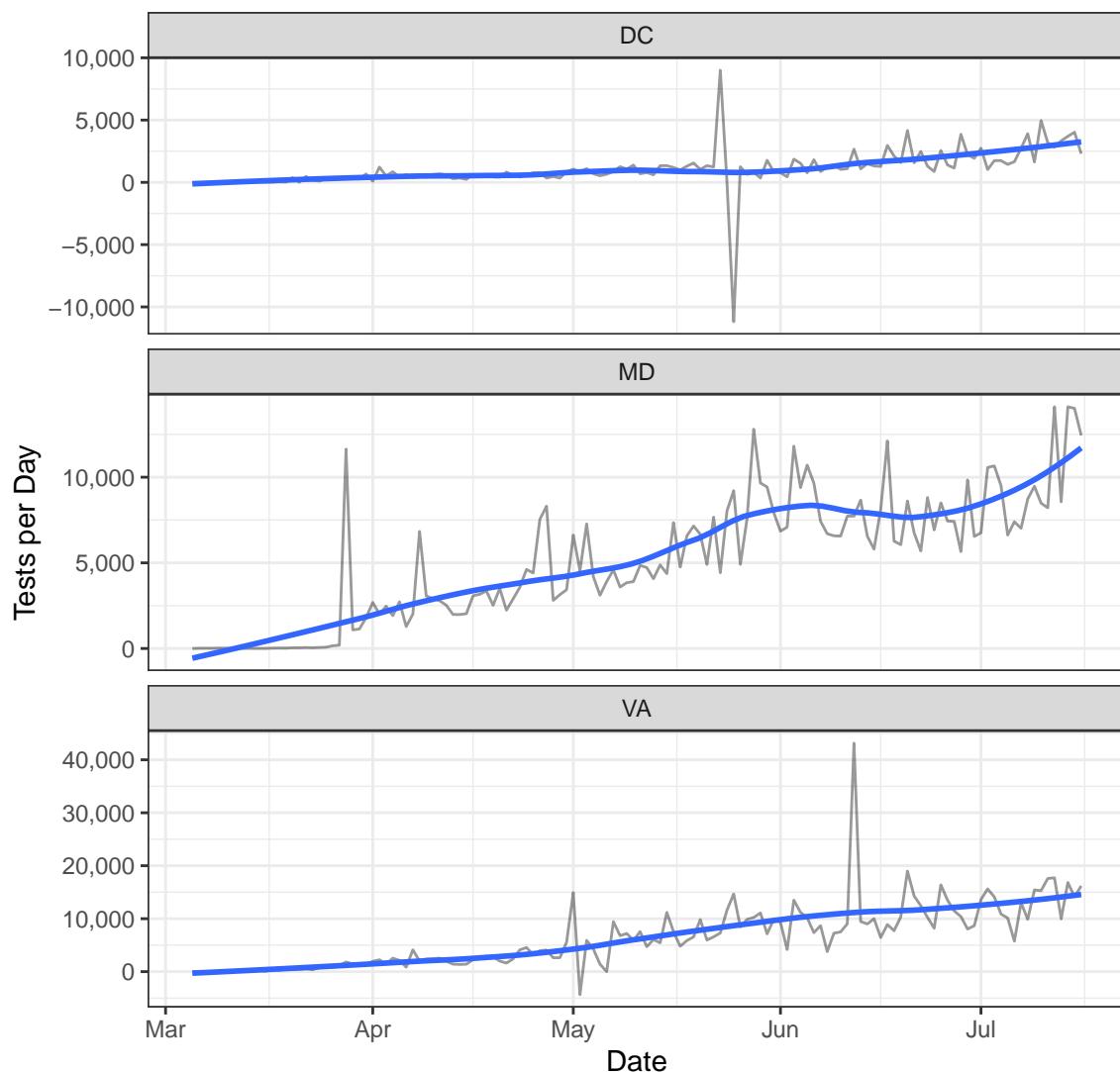




Testing



New Tests



Positive Test Rate

