

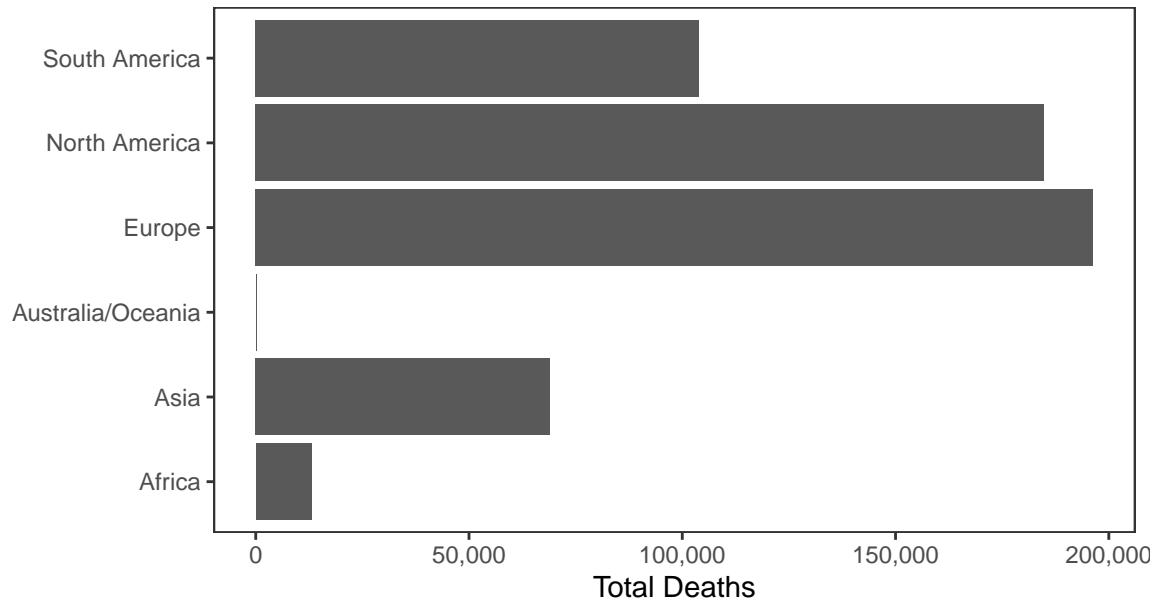
Erik's Covid-19 Chart Pack

Data updated 2020-07-12 18:20:28. 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 12,833,505 confirmed Covid-19 cases and 567,124 deaths worldwide.

Deaths



Cases

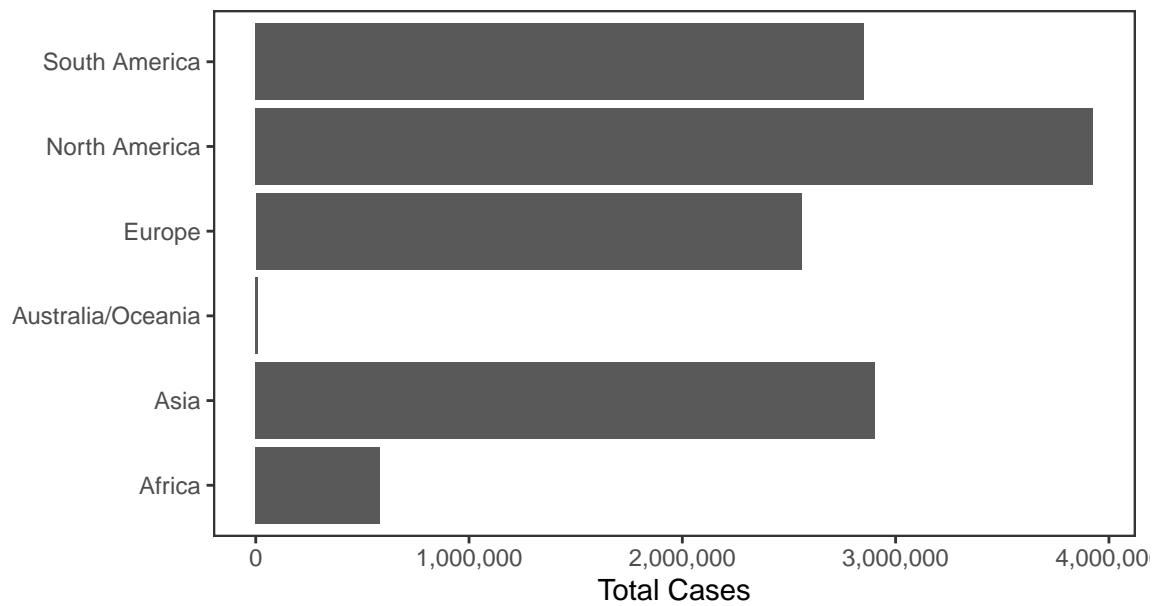
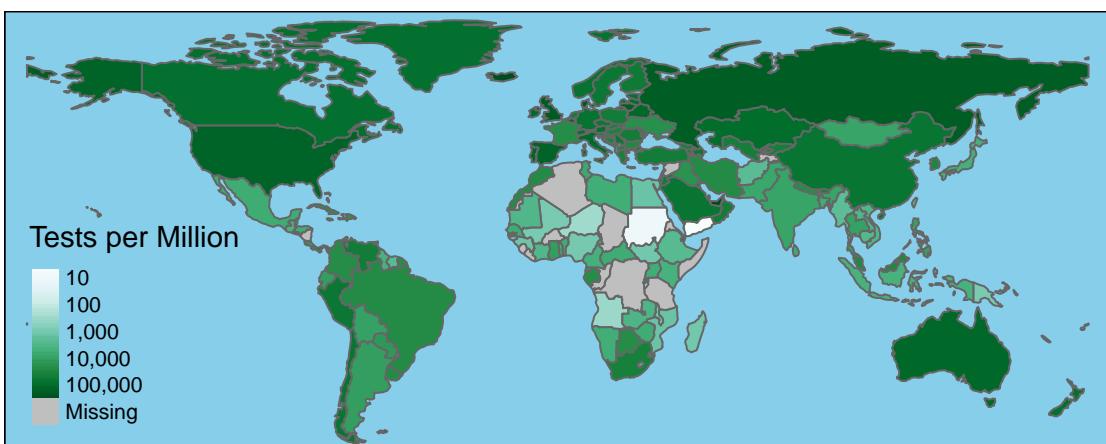
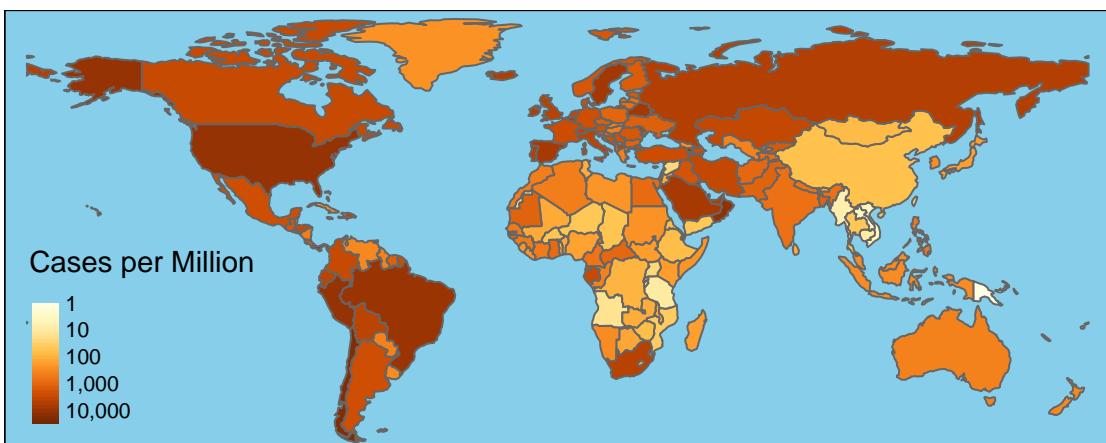
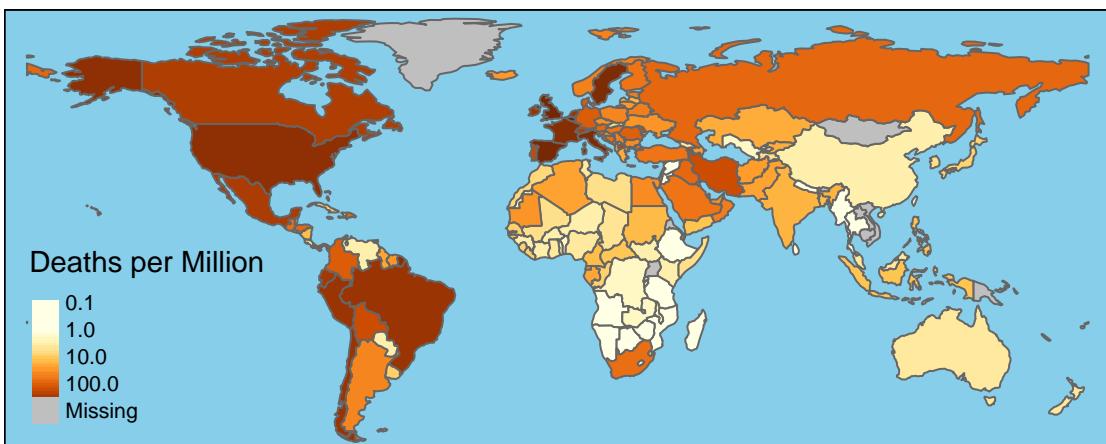


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,355,646	137,402	61,719	731
Brazil	1,840,812	71,492	36,474	968
India	850,358	22,687	27,755	543
Russia	720,547	11,205	6,611	188
Peru	322,710	11,682	3,064	182
Chile	312,029	6,881	2,755	100
Spain	300,988	28,403	0	0
Mexico	289,174	34,191	6,891	665
UK	288,953	44,798	820	148
South Africa	264,184	3,971	13,497	111
Iran	255,117	12,635	2,397	188
Pakistan	246,351	5,123	2,752	65
Italy	242,827	34,945	188	7
Saudi Arabia	229,480	2,181	2,994	30
Turkey	211,981	5,344	1,016	21
Germany	199,812	9,134	224	4
Bangladesh	181,129	2,305	2,686	30
France	170,752	30,004	0	0
Colombia	145,362	5,119	4,586	194
Canada	107,347	8,773	221	14



National Data

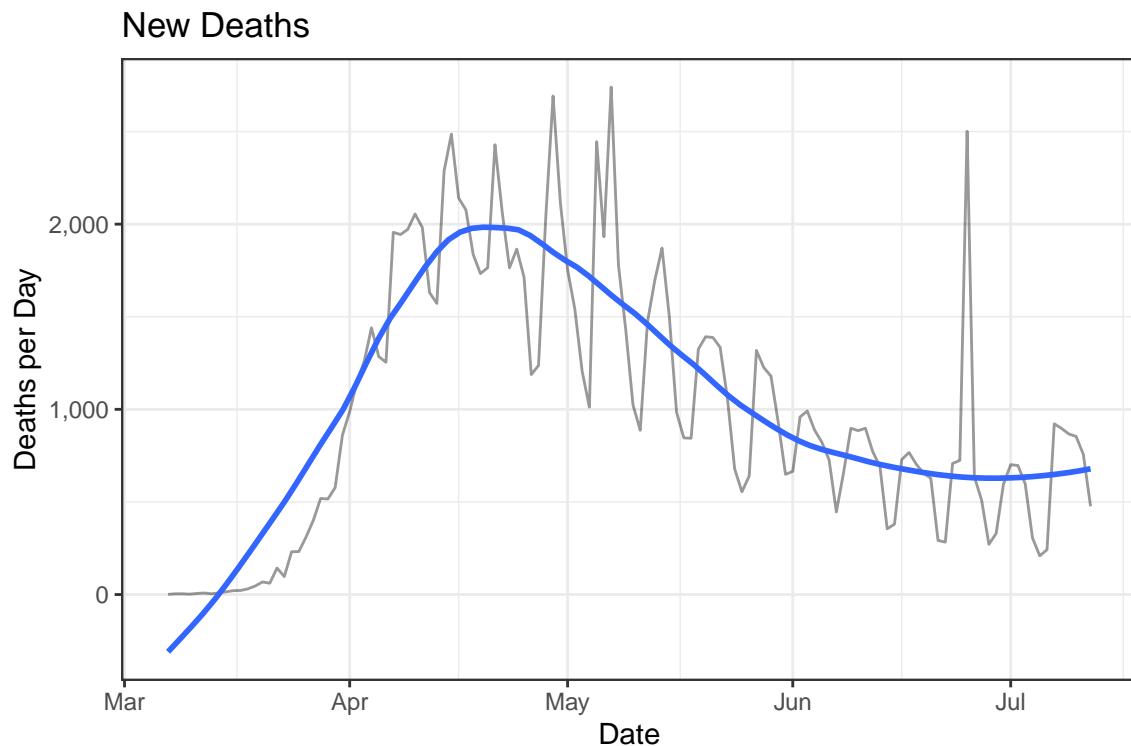
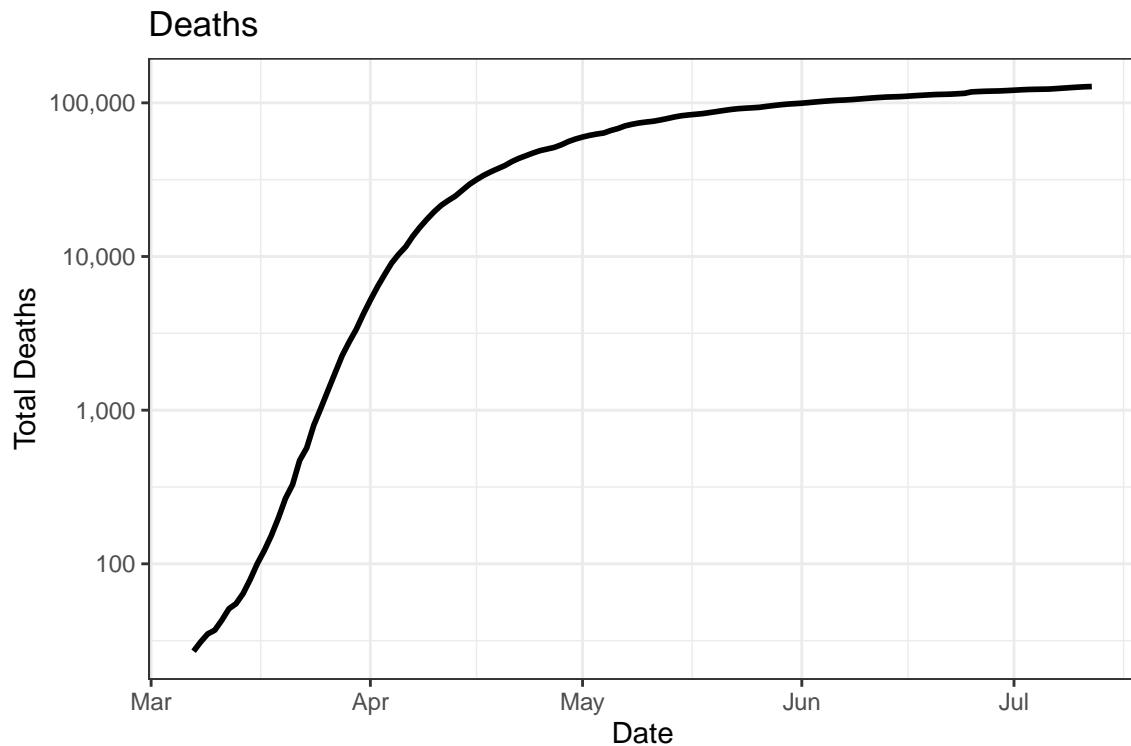
There have been 3,291,969 confirmed Covid-19 cases and 127,677 deaths in the United States.

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

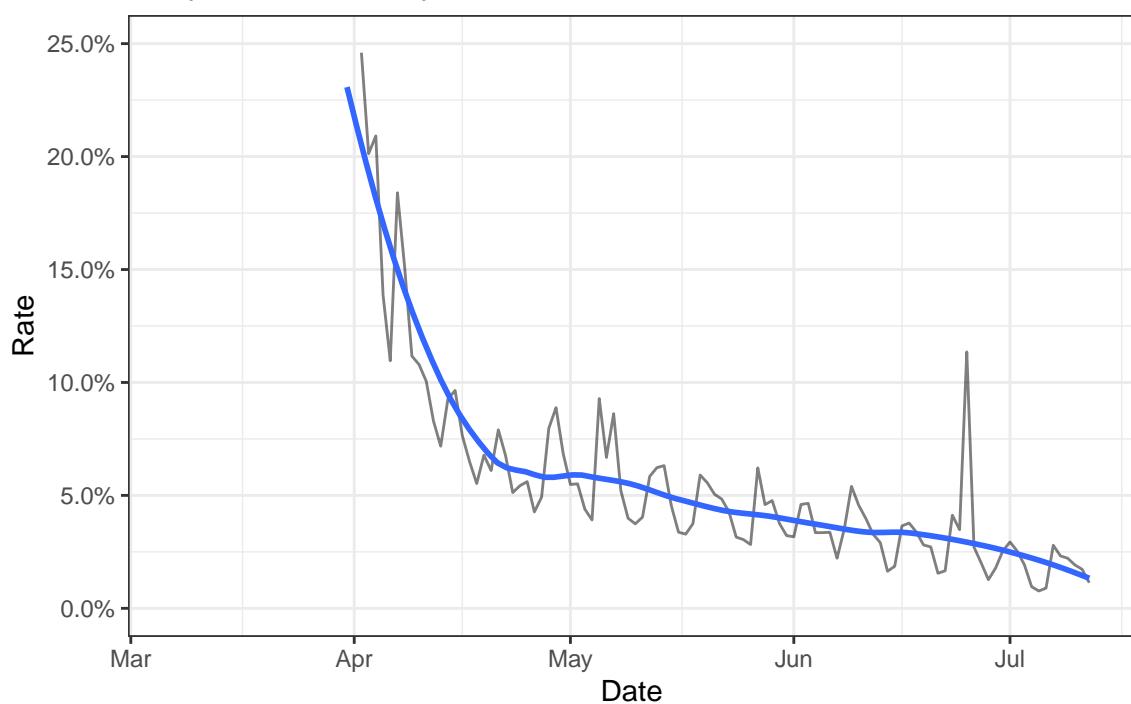
Date	Cases	Deaths	New Cases	New Deaths
2020-07-12	3,291,969	127,677	60,978	476
2020-07-11	3,230,991	127,201	63,007	757
2020-07-10	3,167,984	126,444	66,645	854
2020-07-09	3,101,339	125,590	58,836	867
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922
2020-07-06	2,928,590	122,904	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
2020-07-02	2,729,892	121,550	54,956	697
2020-07-01	2,674,936	120,853	53,007	701
2020-06-30	2,621,929	120,152	44,349	596
2020-06-29	2,577,580	119,556	36,423	330

Deaths

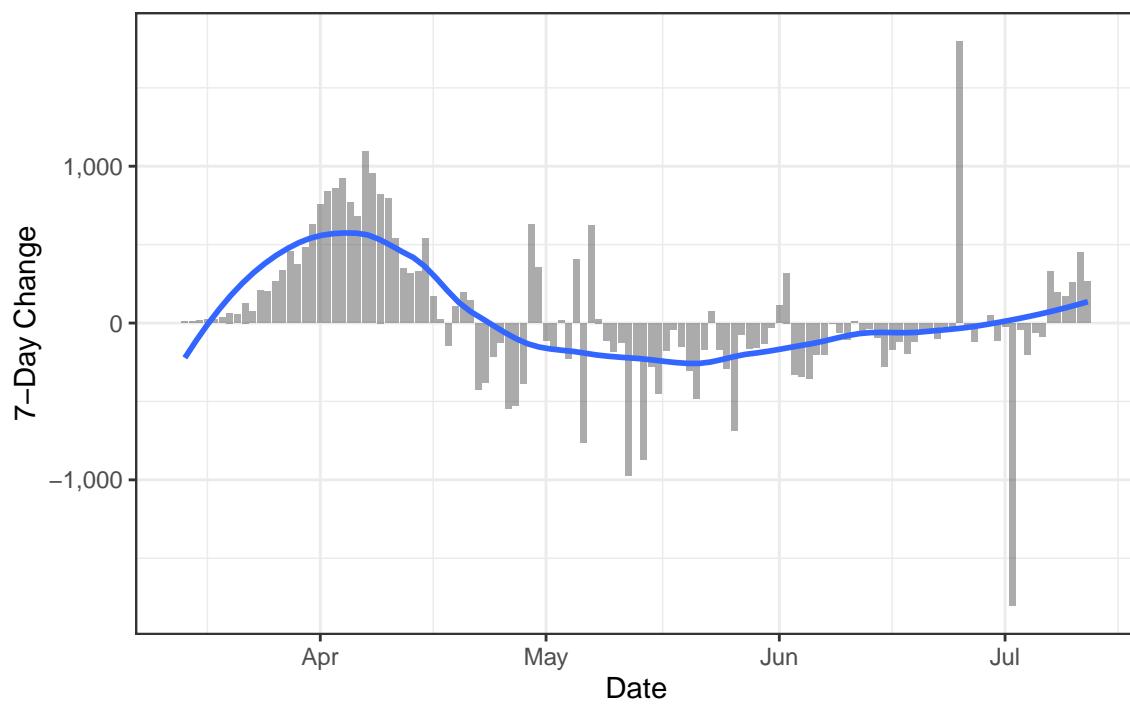
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

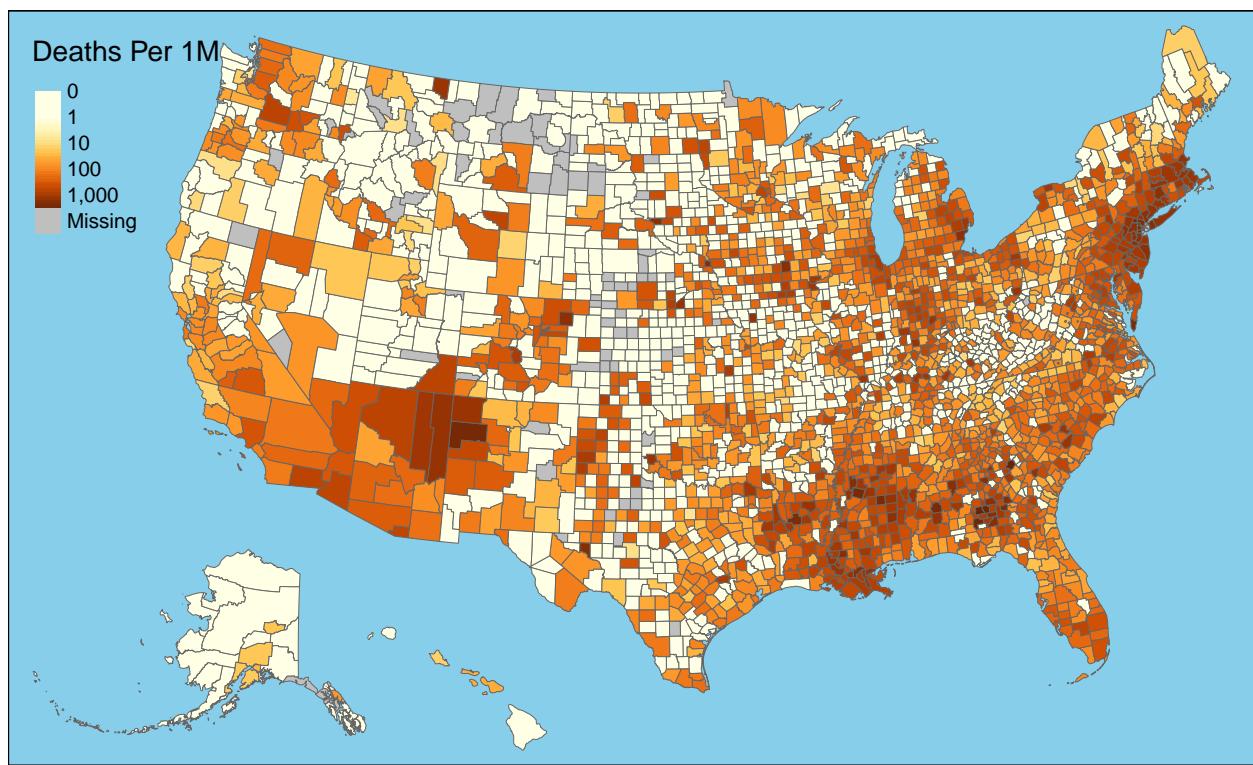


Daily Case Mortality Rate



One-Week Change in Daily Deaths

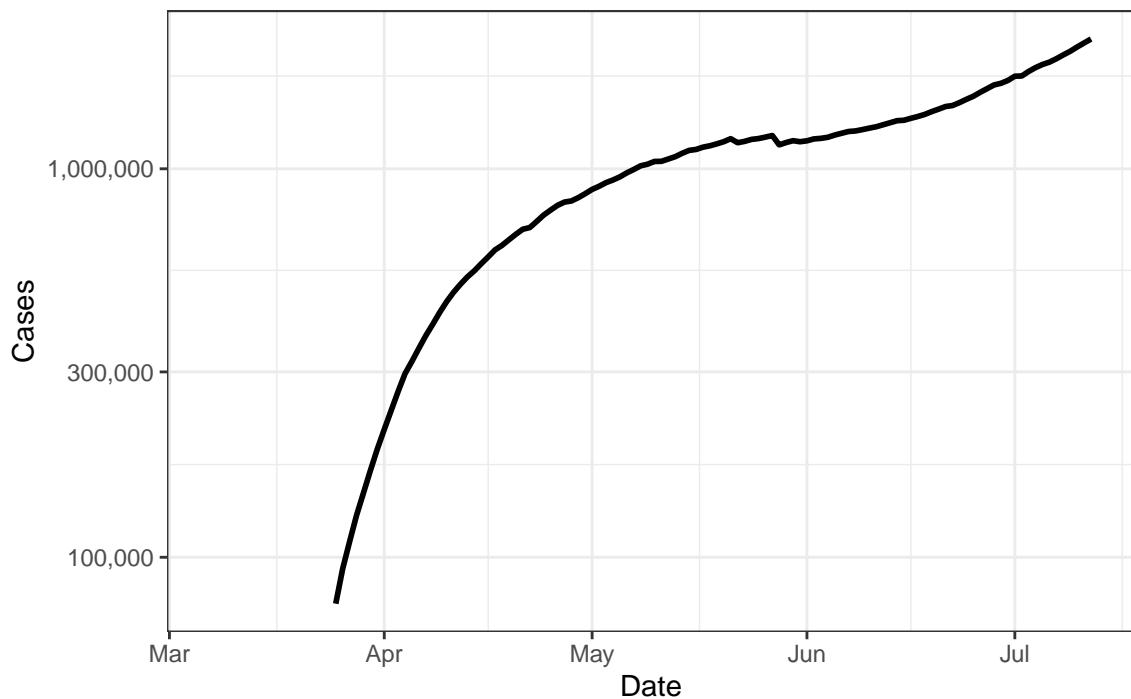




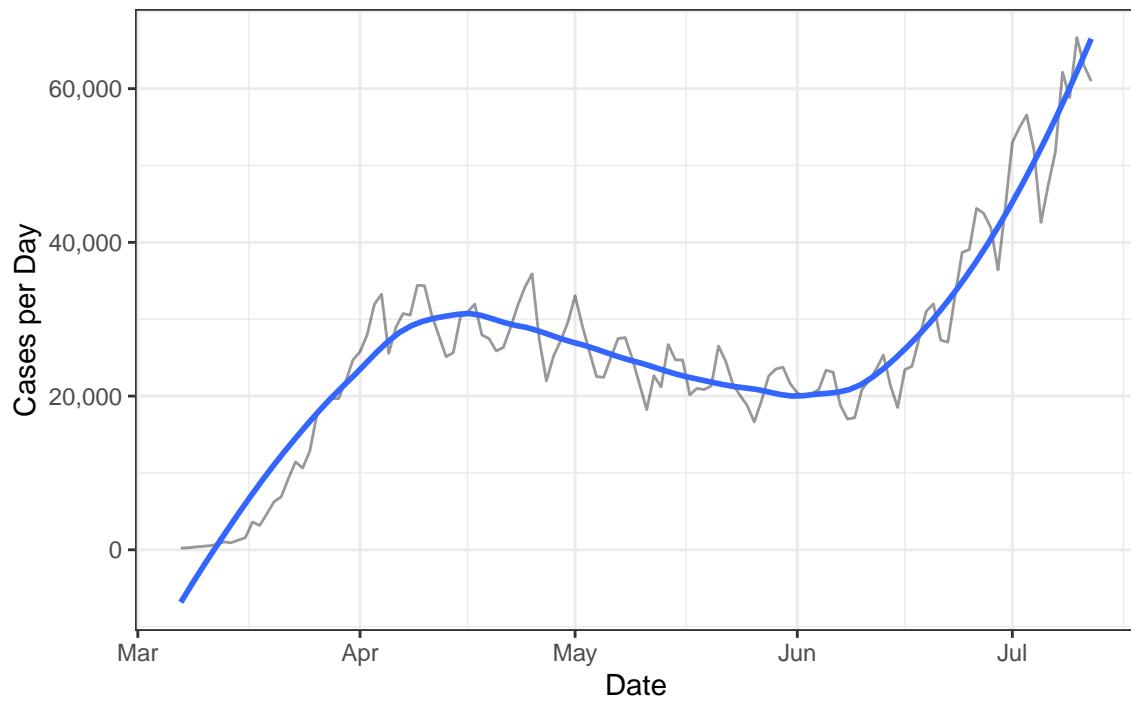
Cases

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

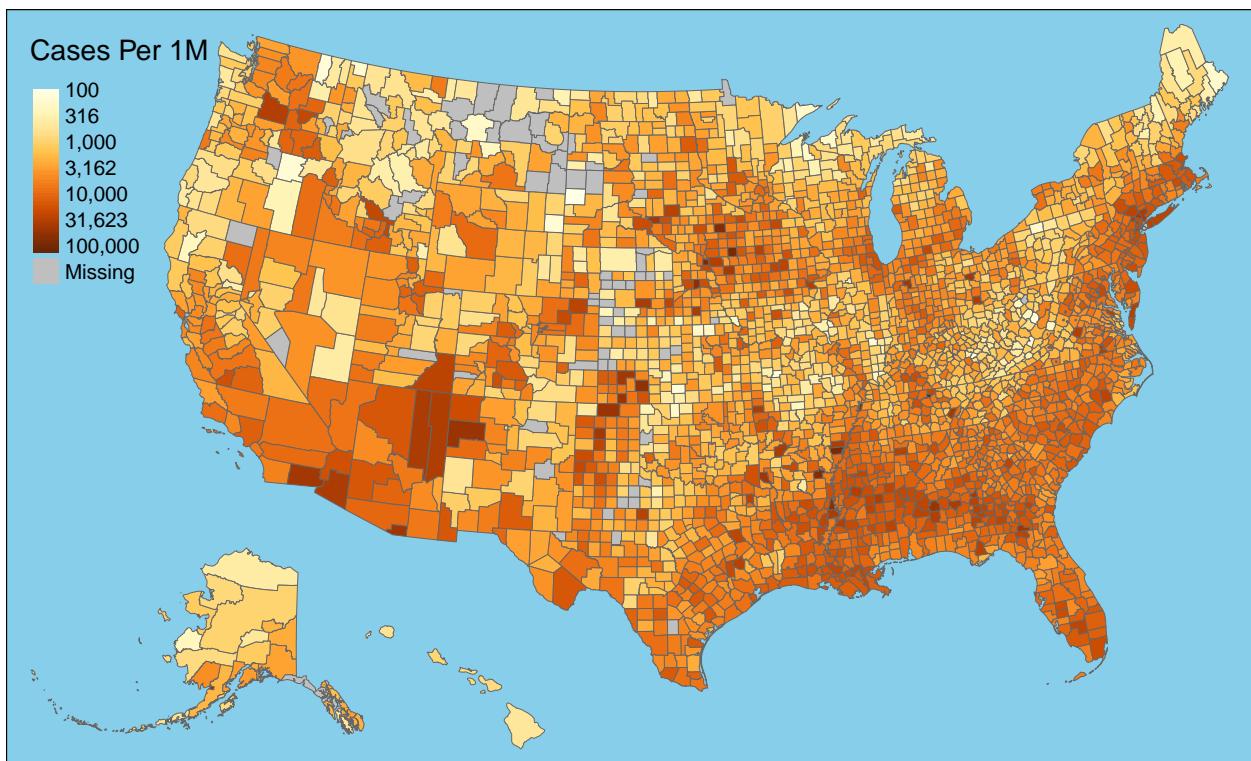
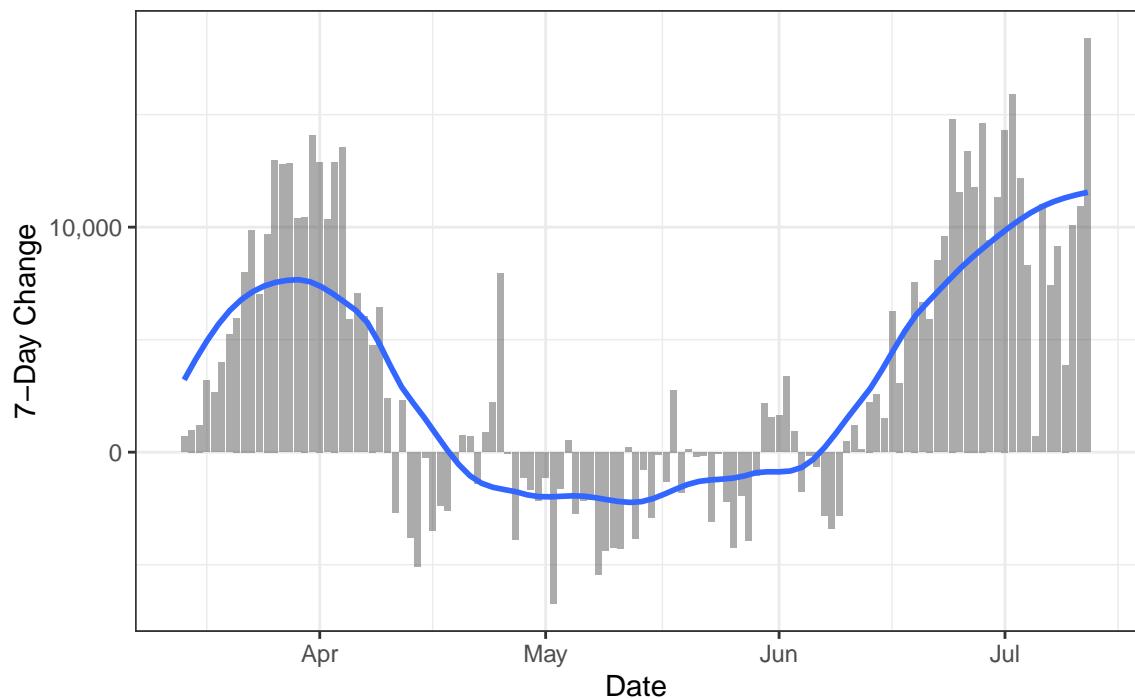
Active Cases



New Cases

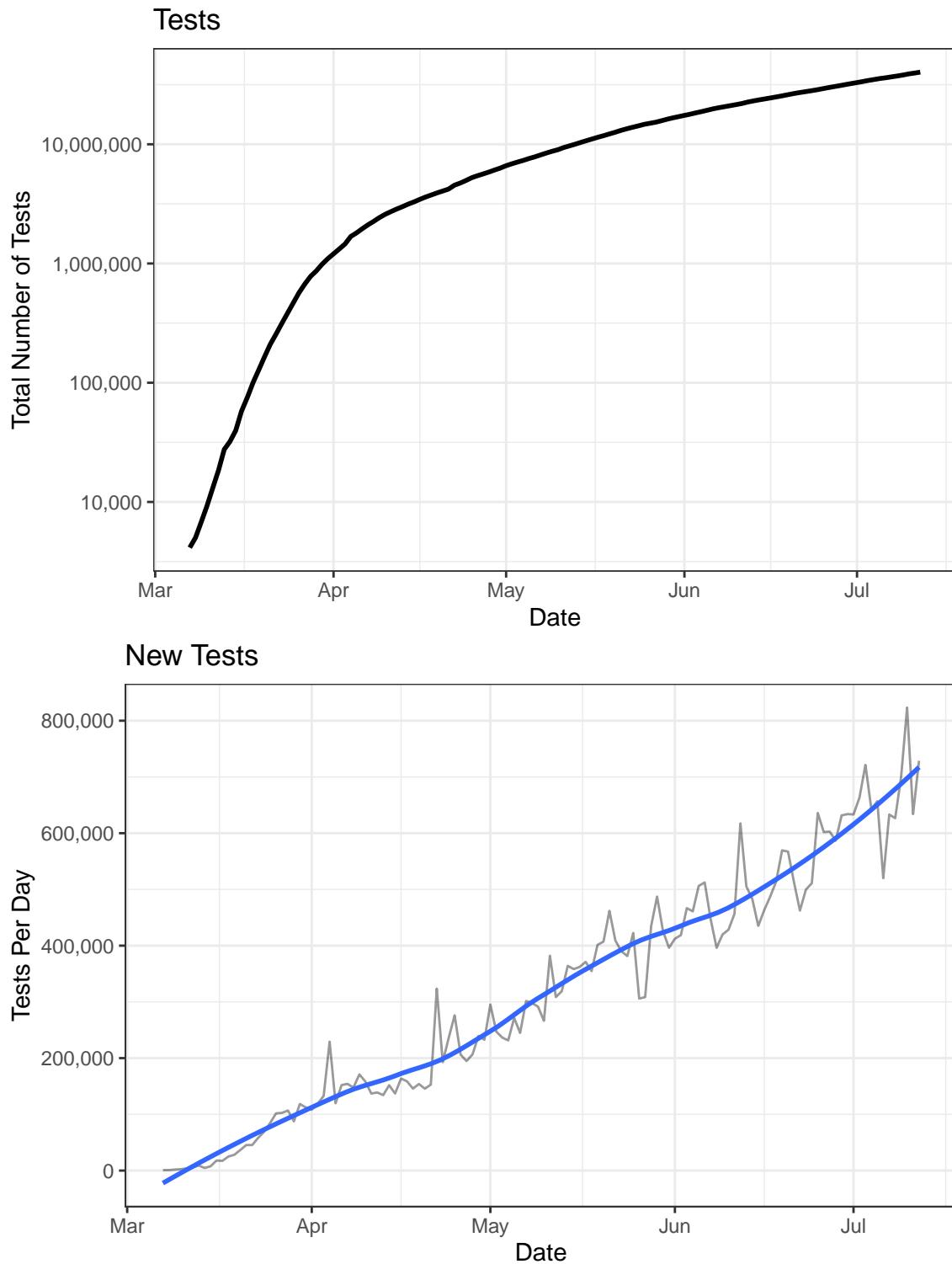


One-Week Change in Daily Cases

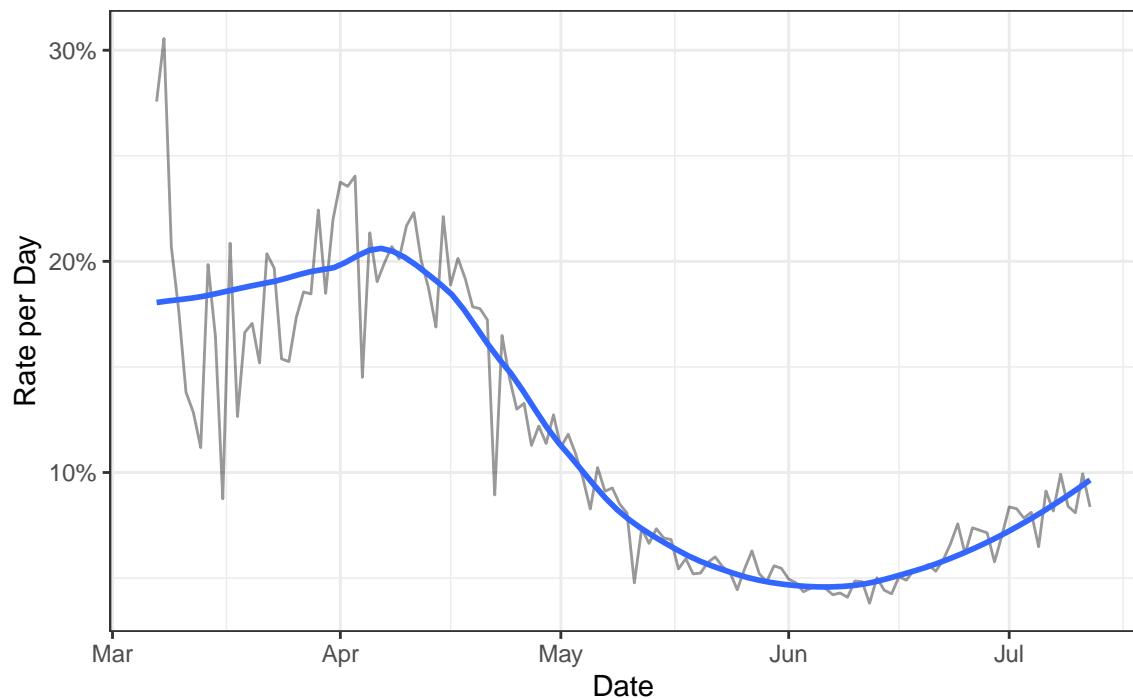


Testing

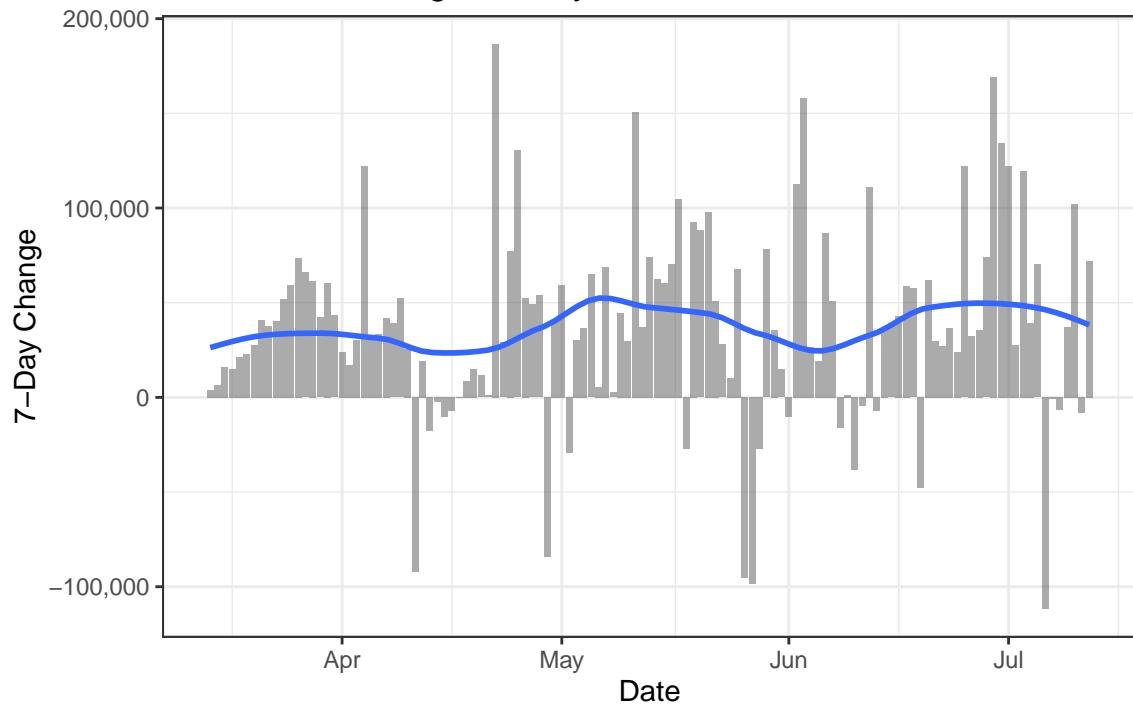
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

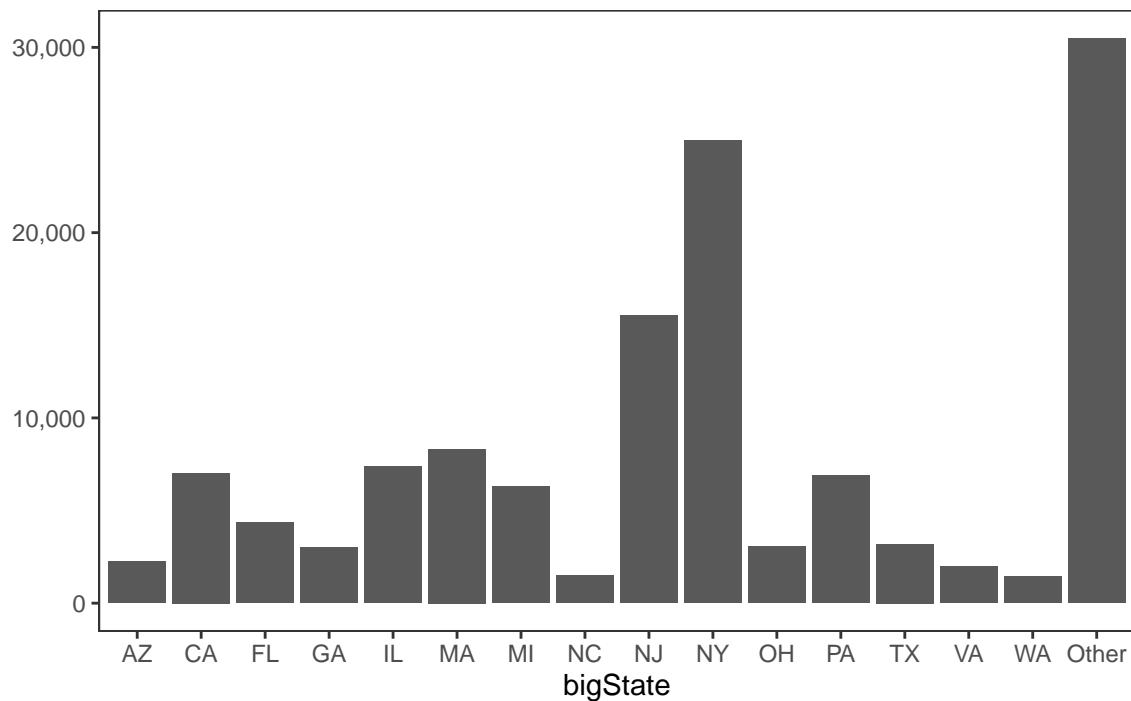


State Data

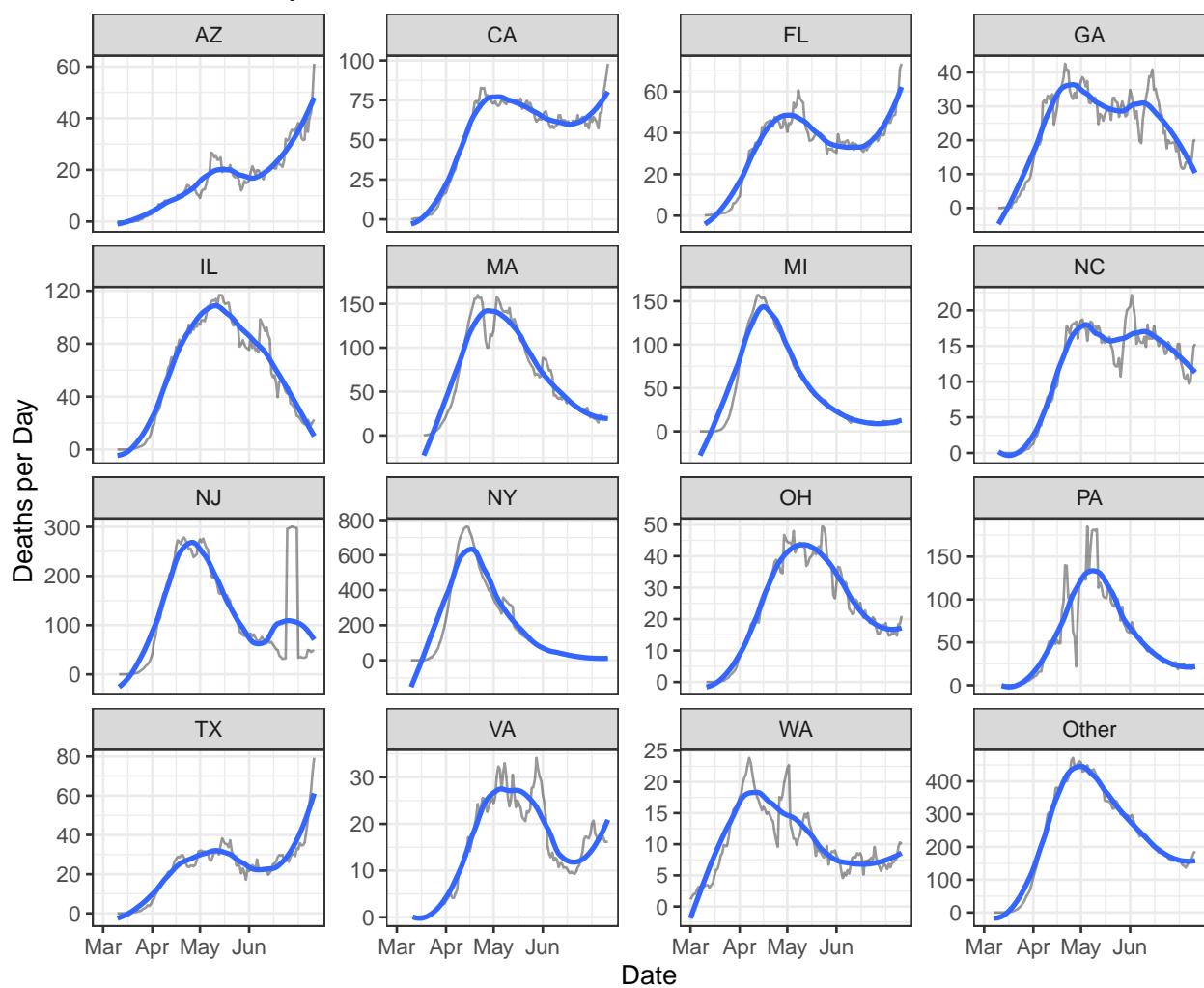
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

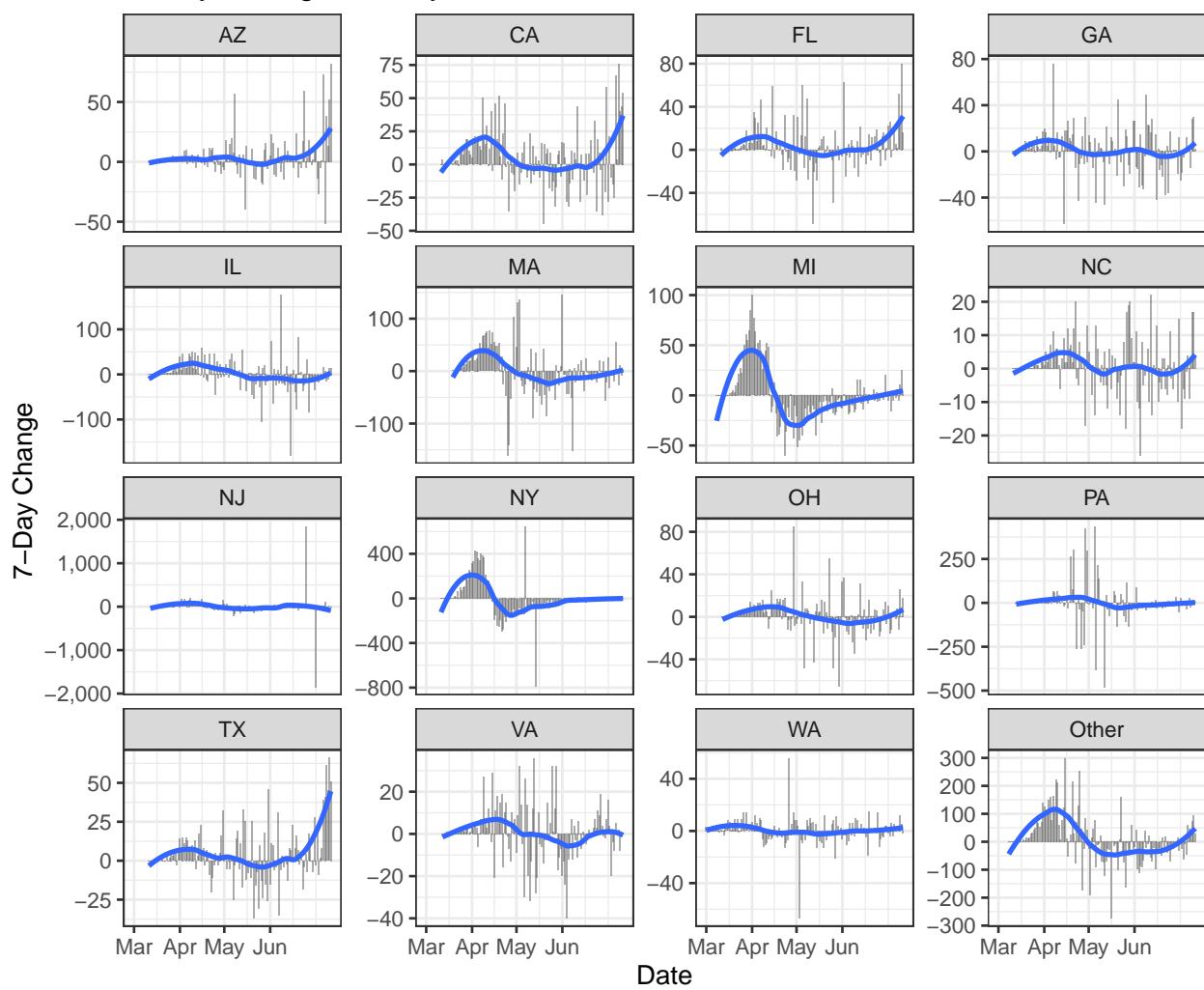
Deaths by State

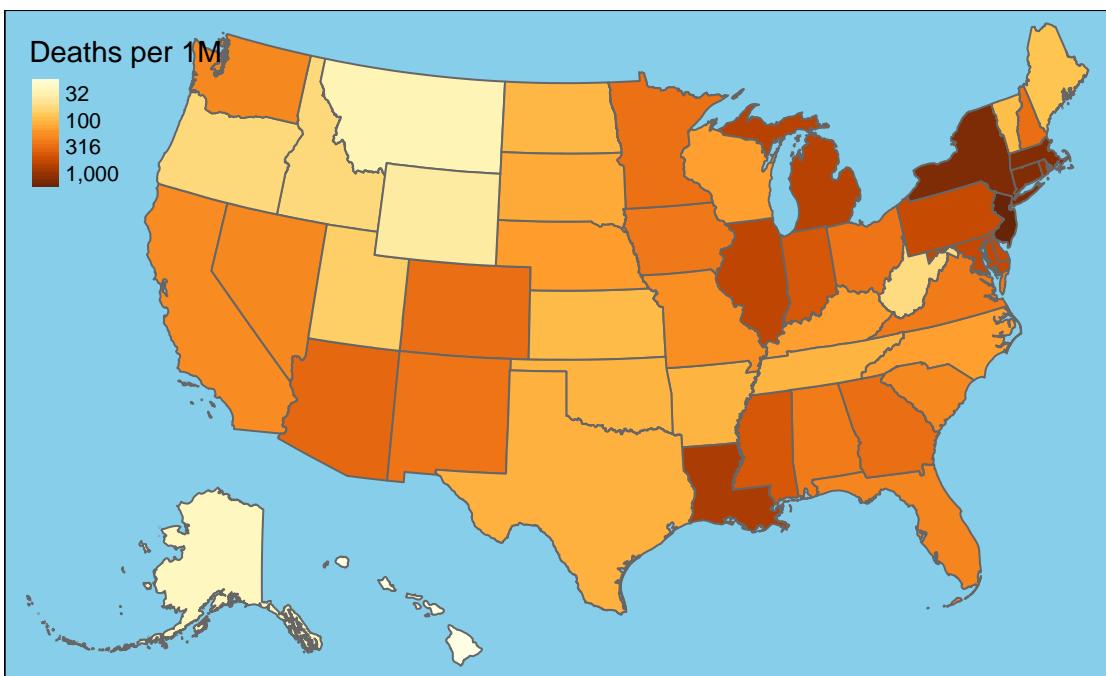
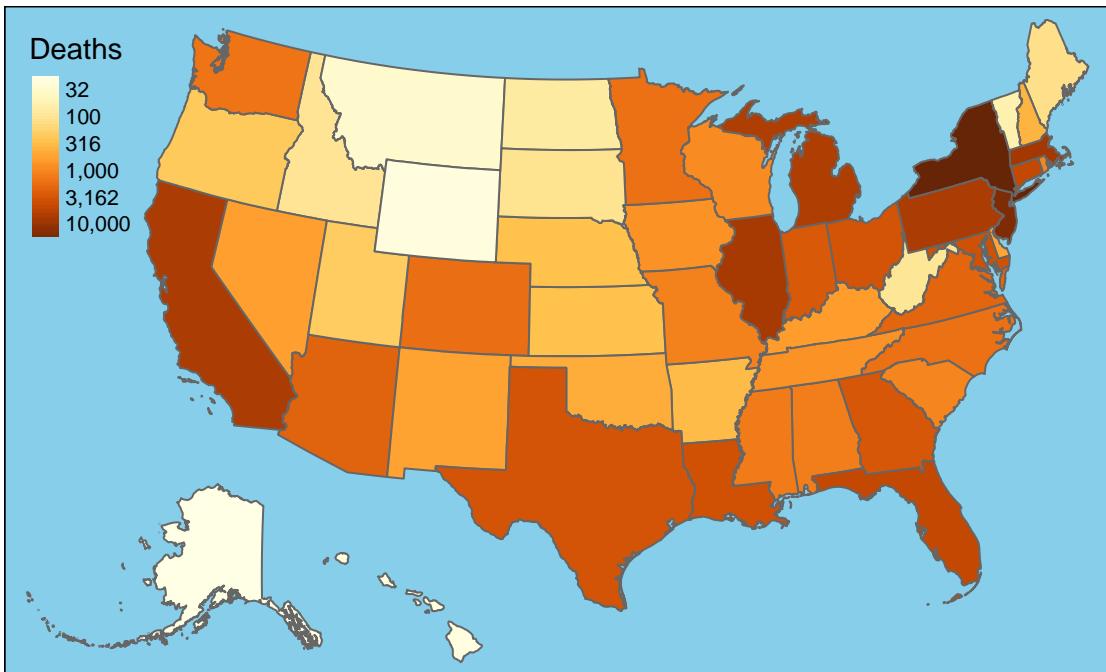


New Deaths by State



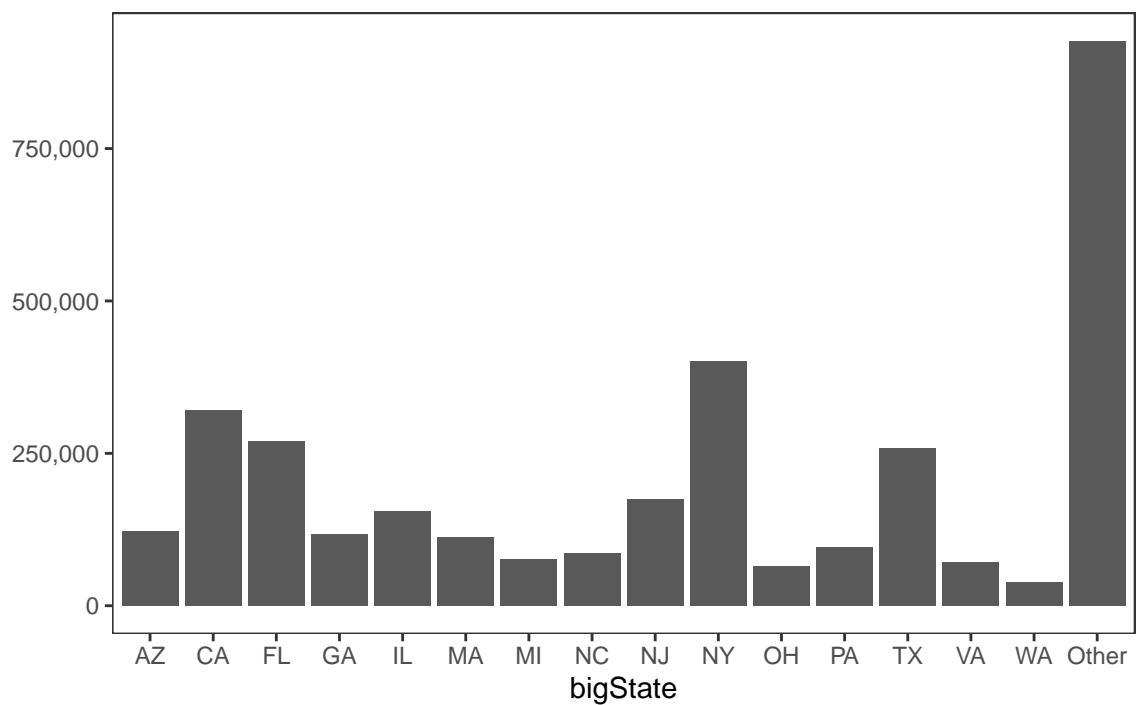
7-Day Change in Daily Deaths



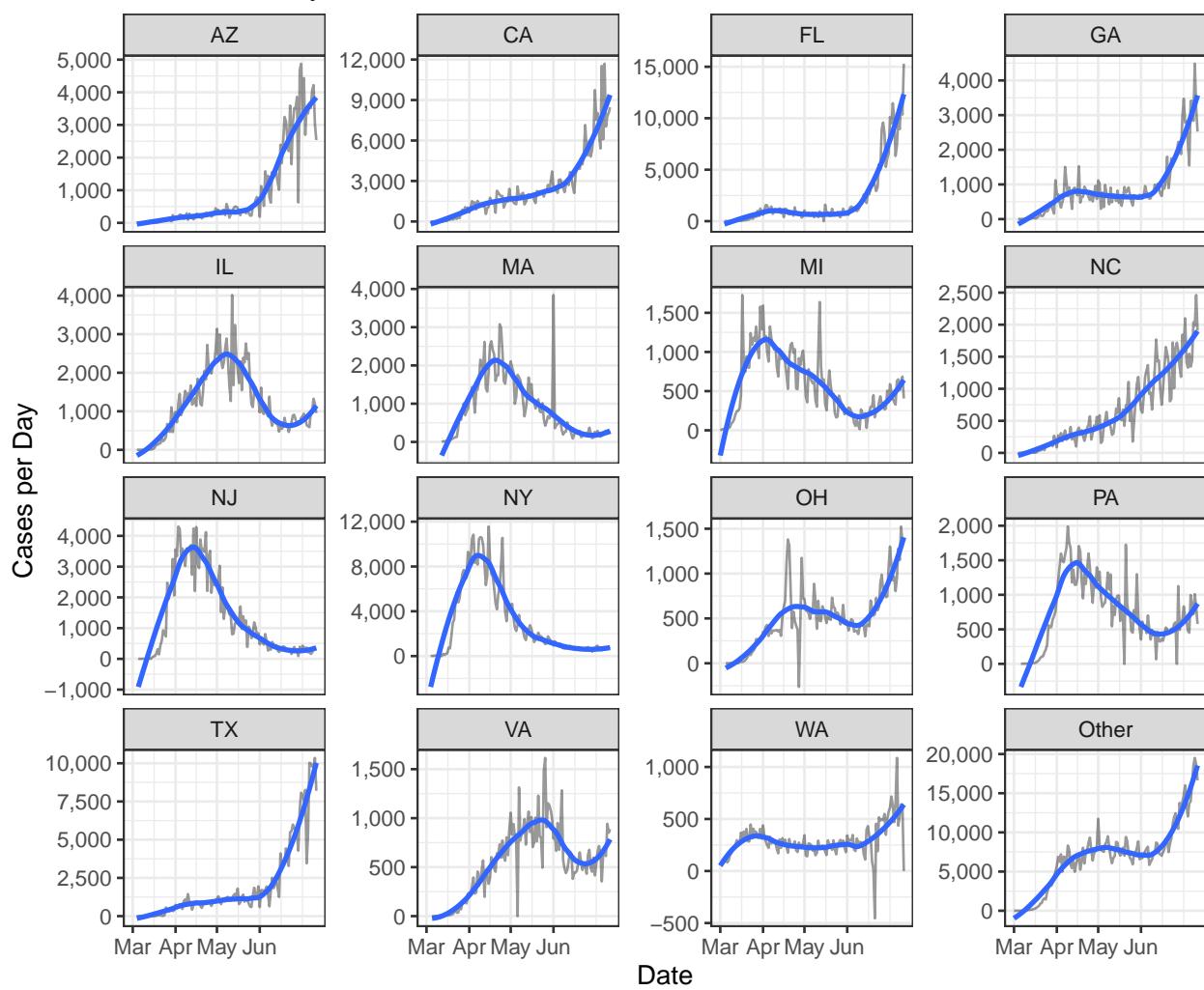


Cases

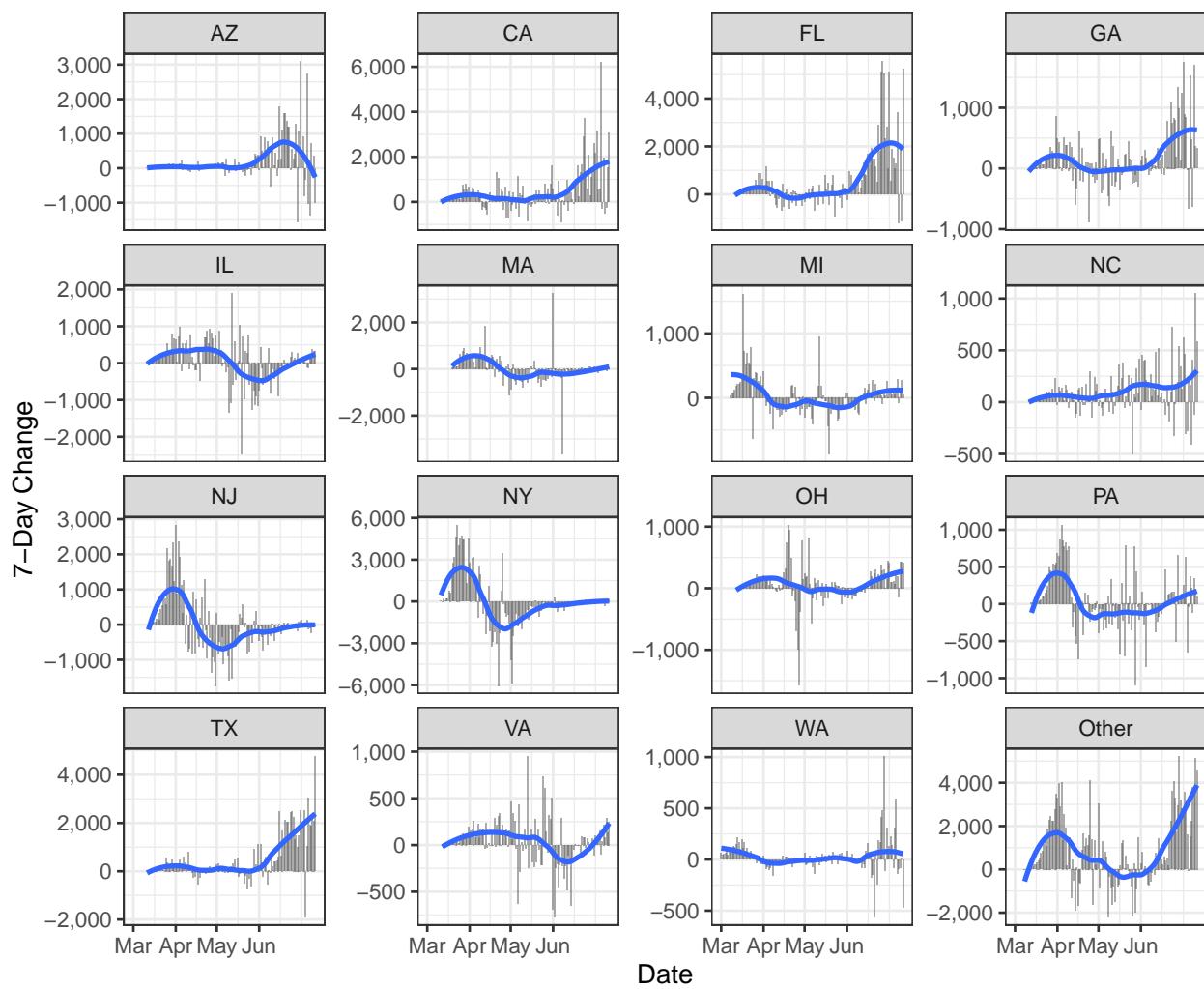
Cases by State

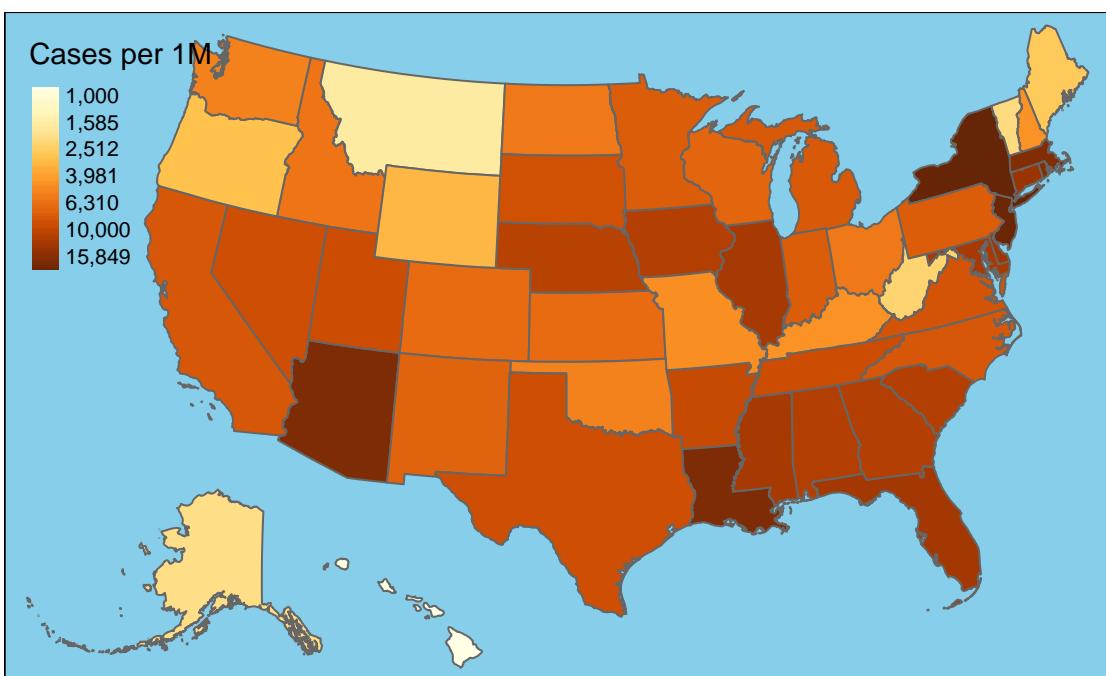
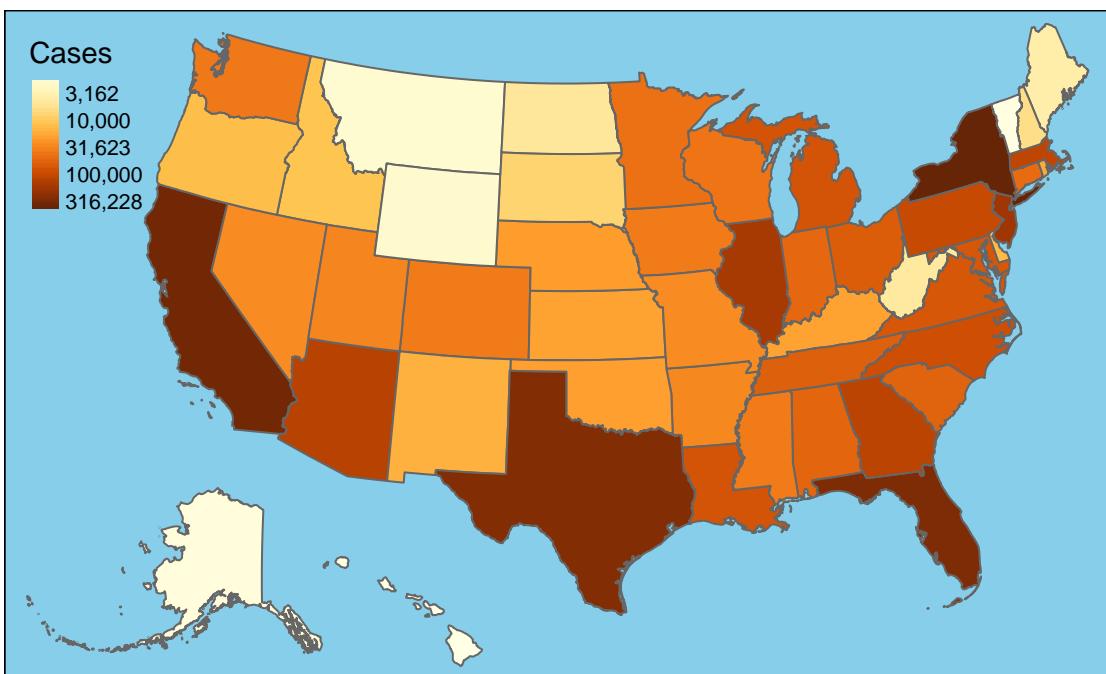


New Cases by State

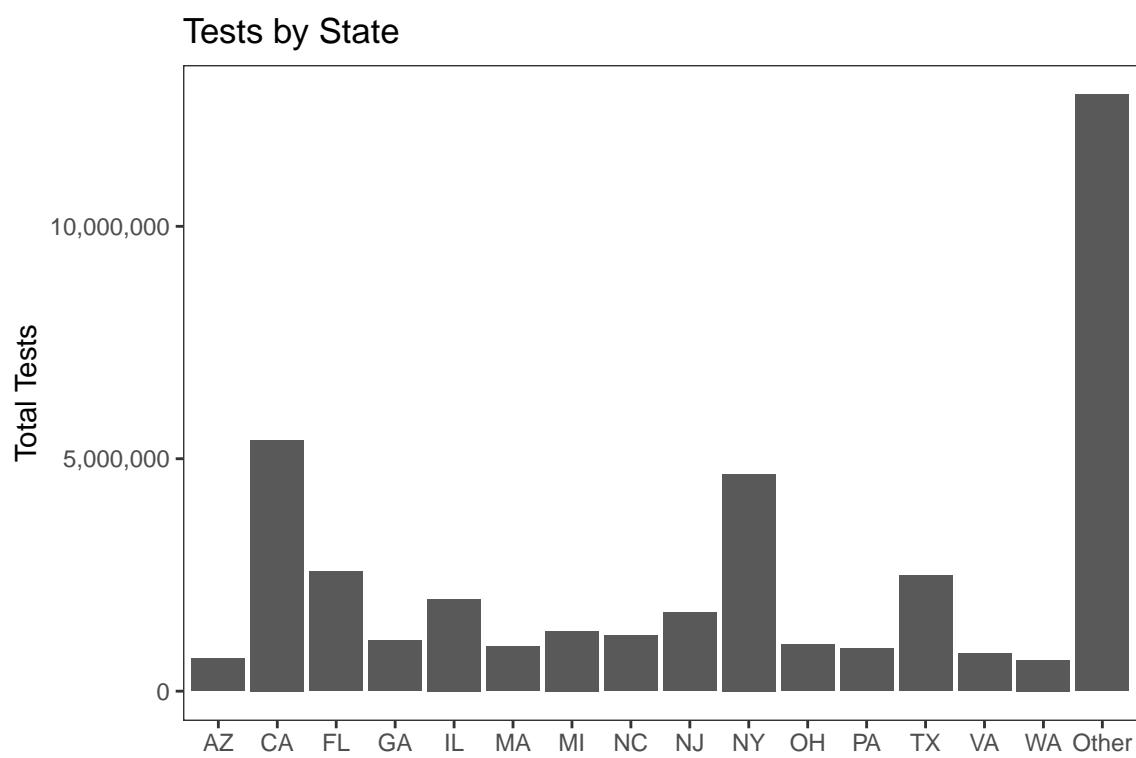


7-Day Change in Daily Cases

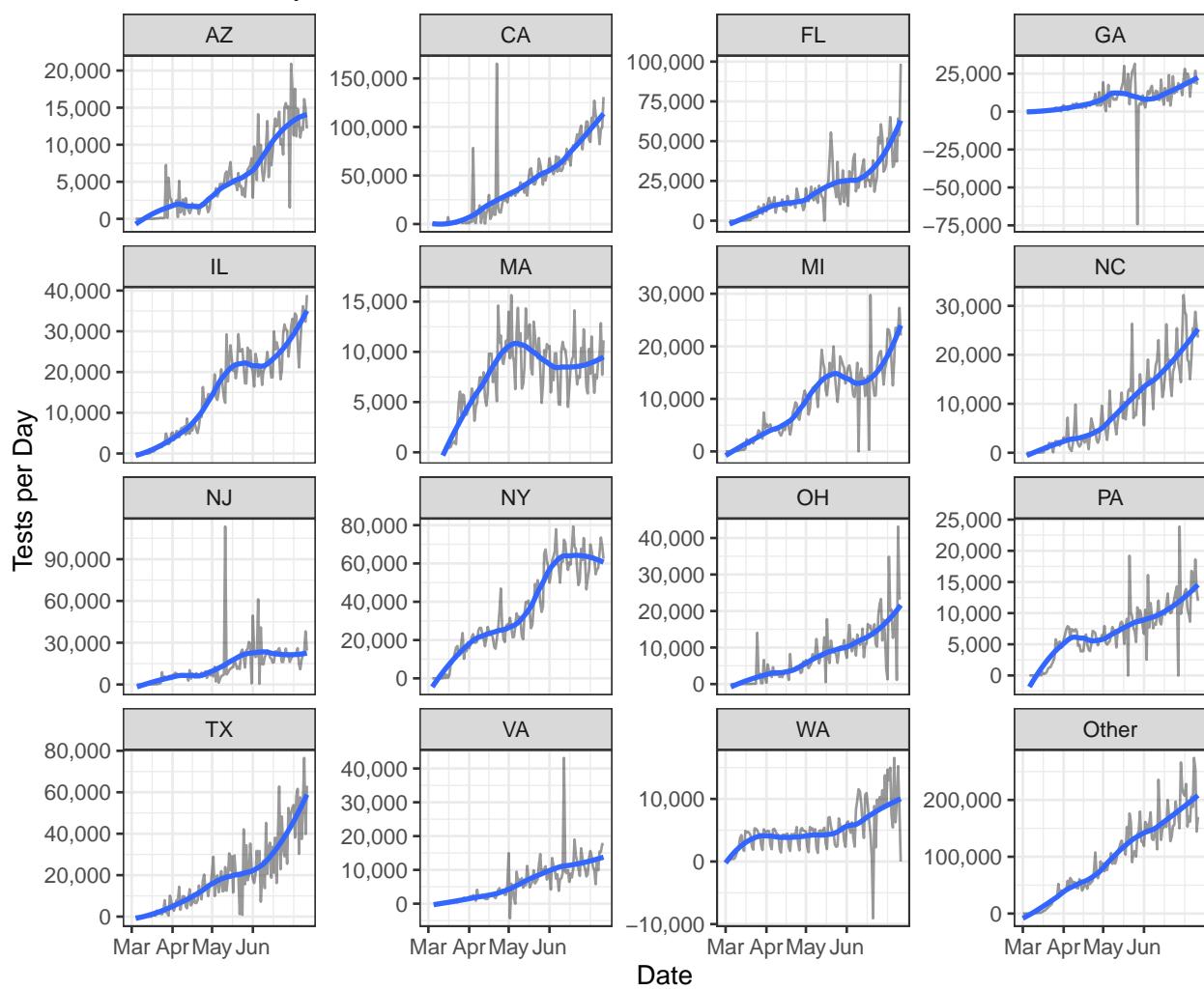


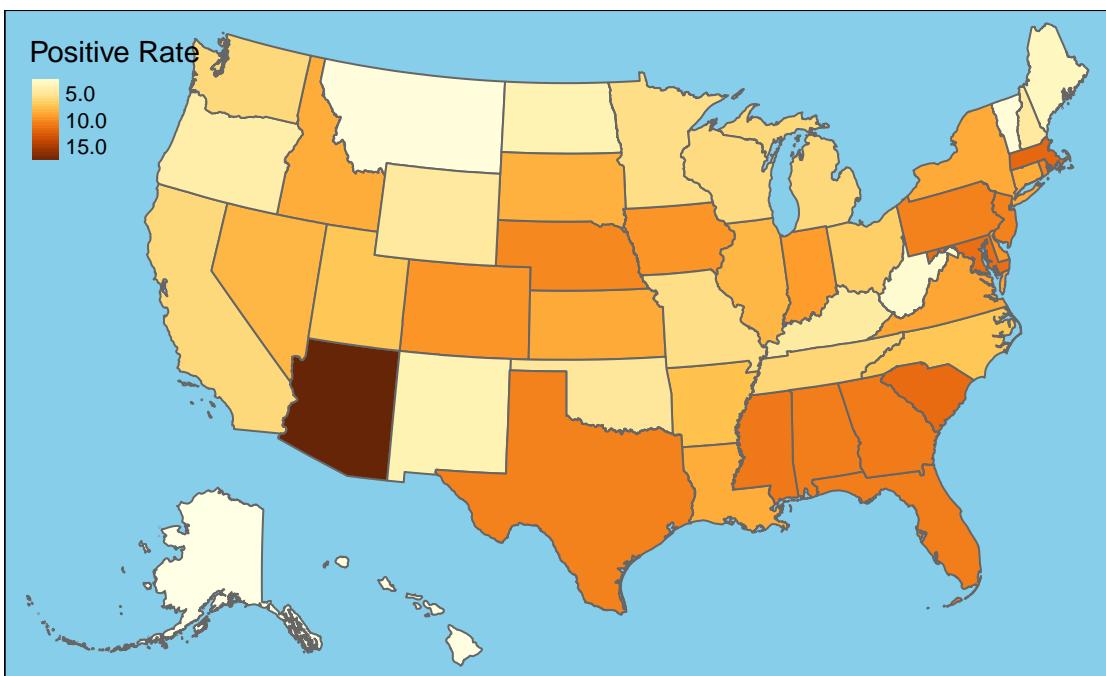
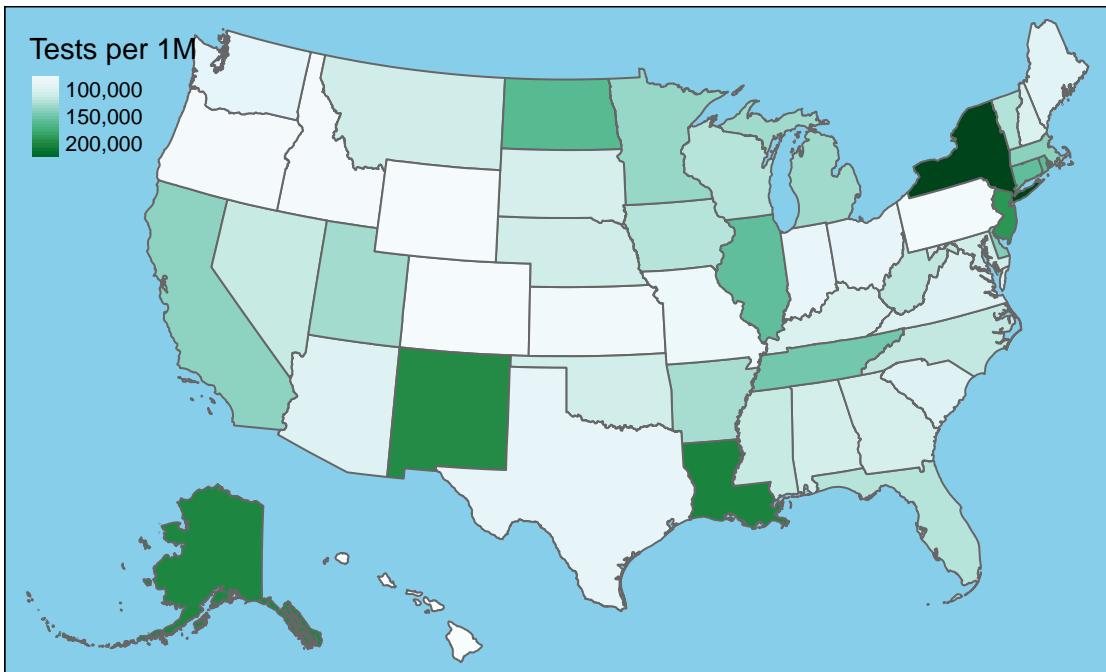


Testing



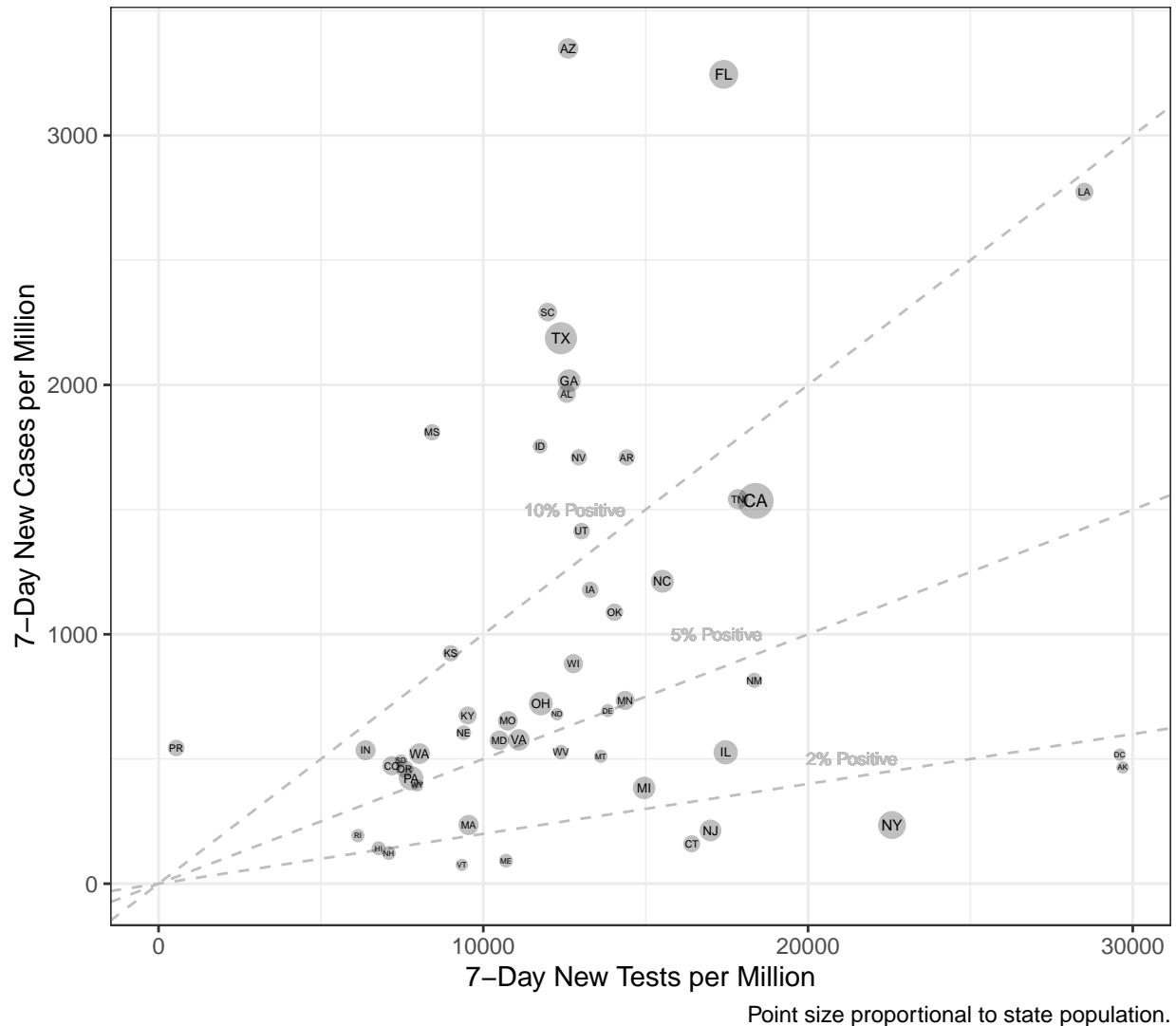
New Tests by State





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



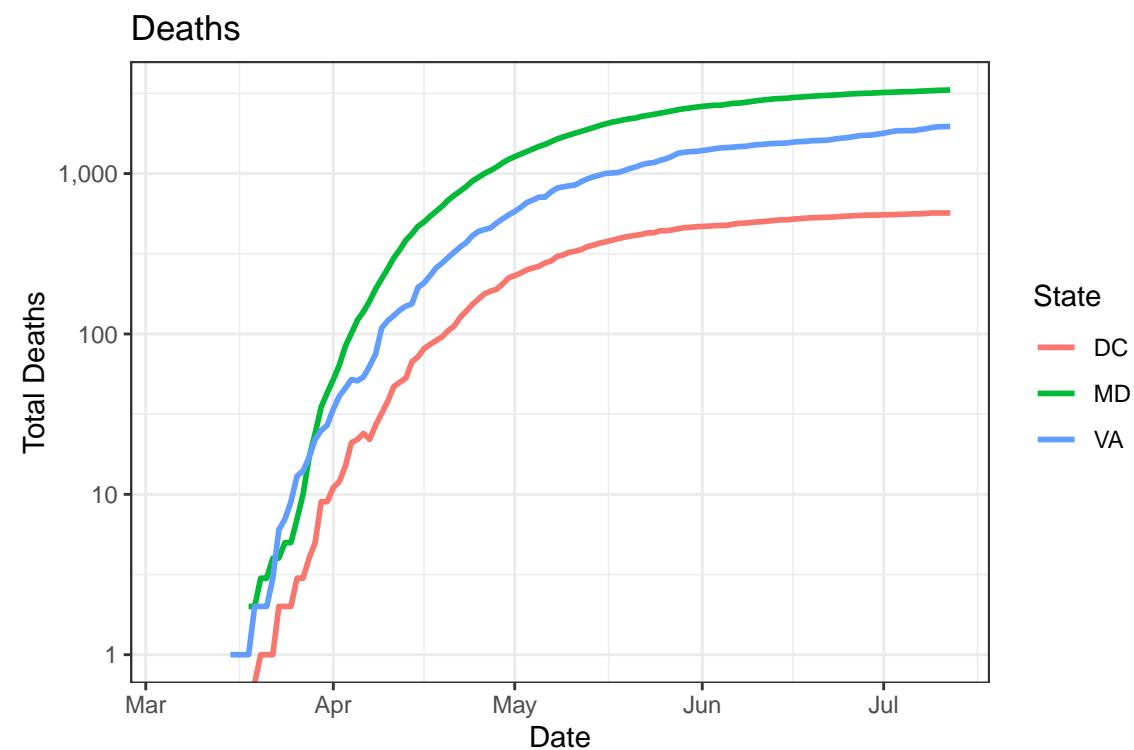
Local Data

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

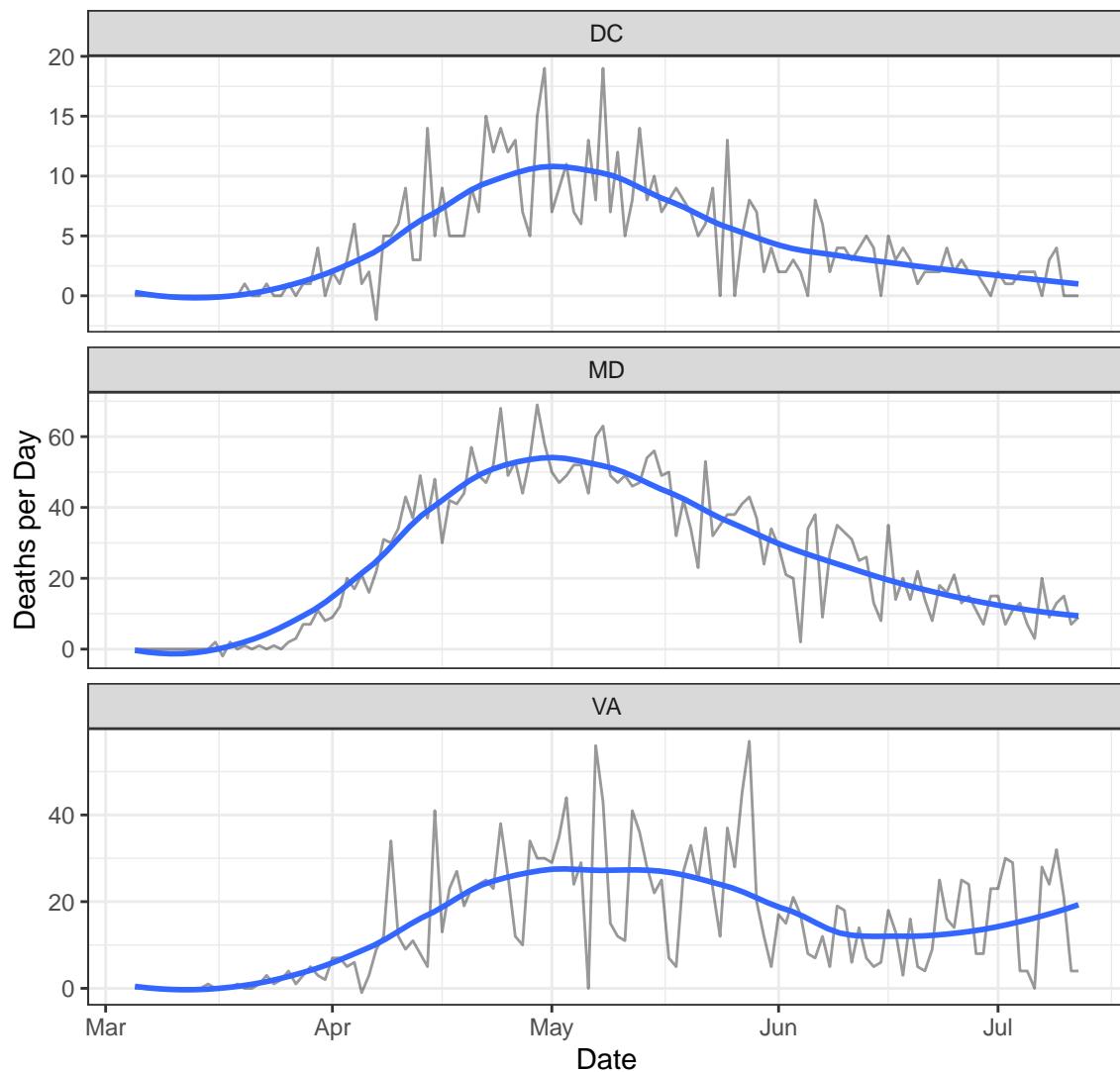
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,847	568	46	0
MD	73,109	3,319	642	9
VA	70,670	1,966	888	4

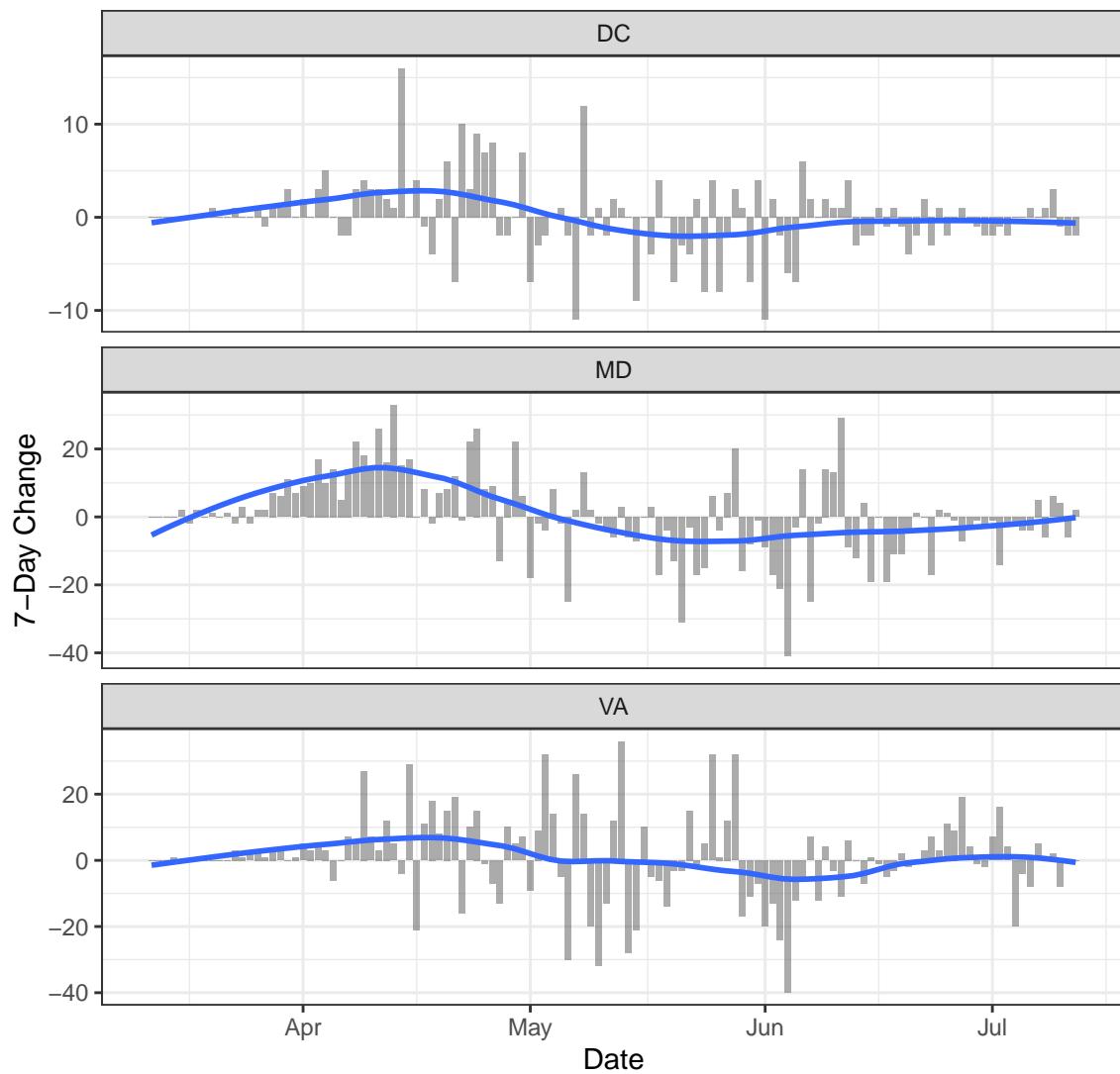
Deaths

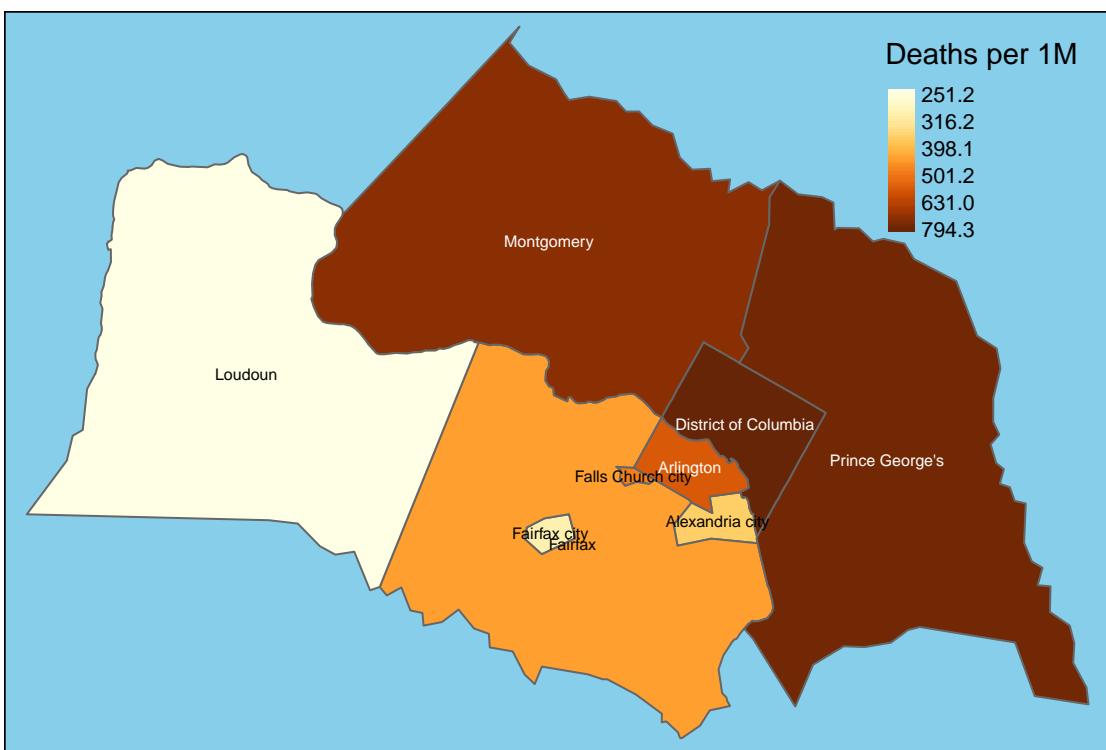
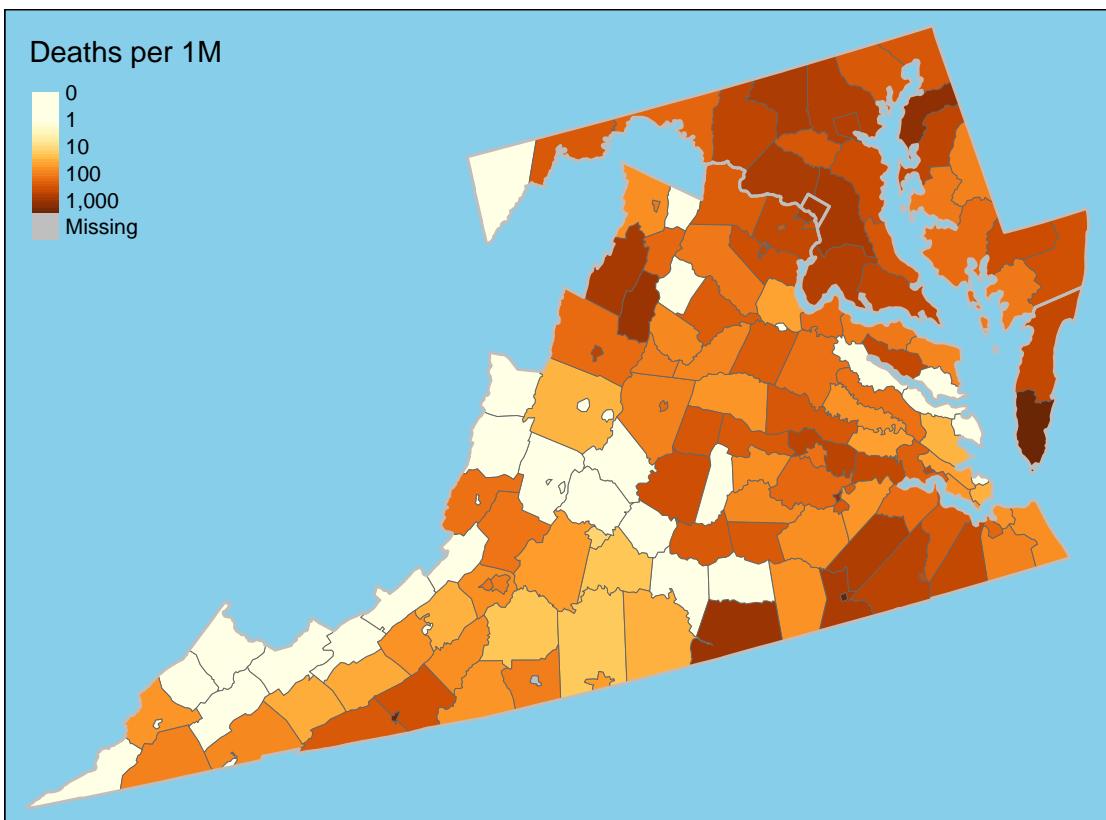


New Deaths

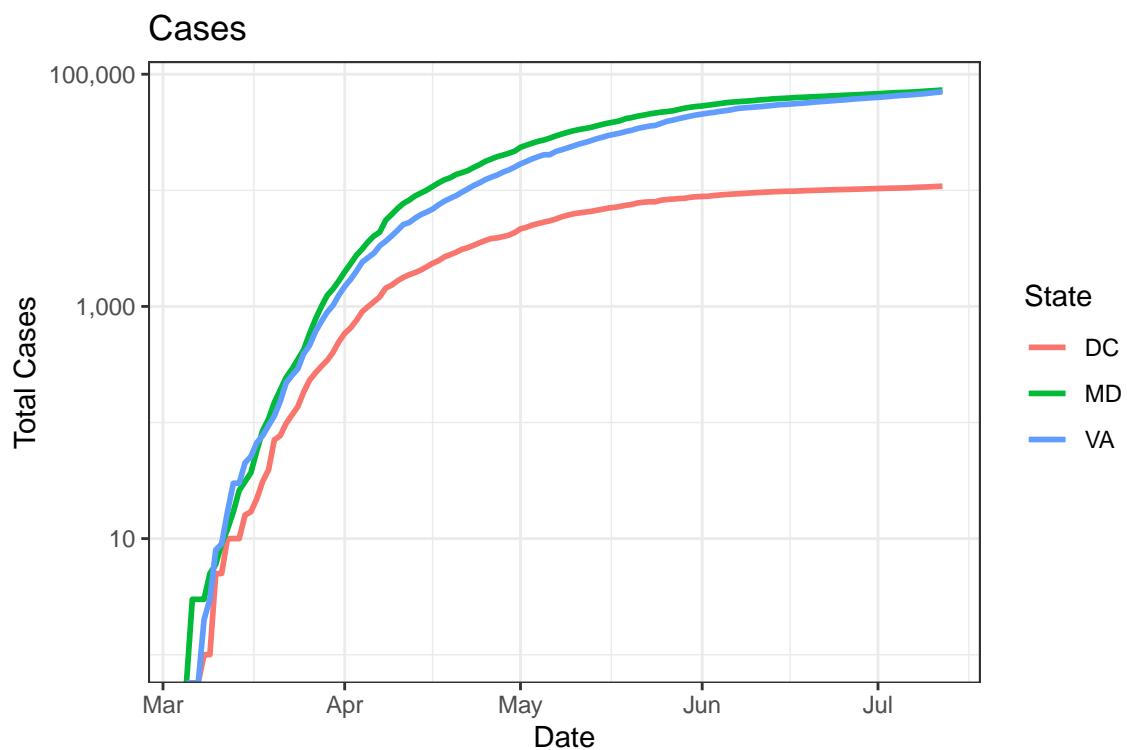


One-Week Change in Daily Deaths

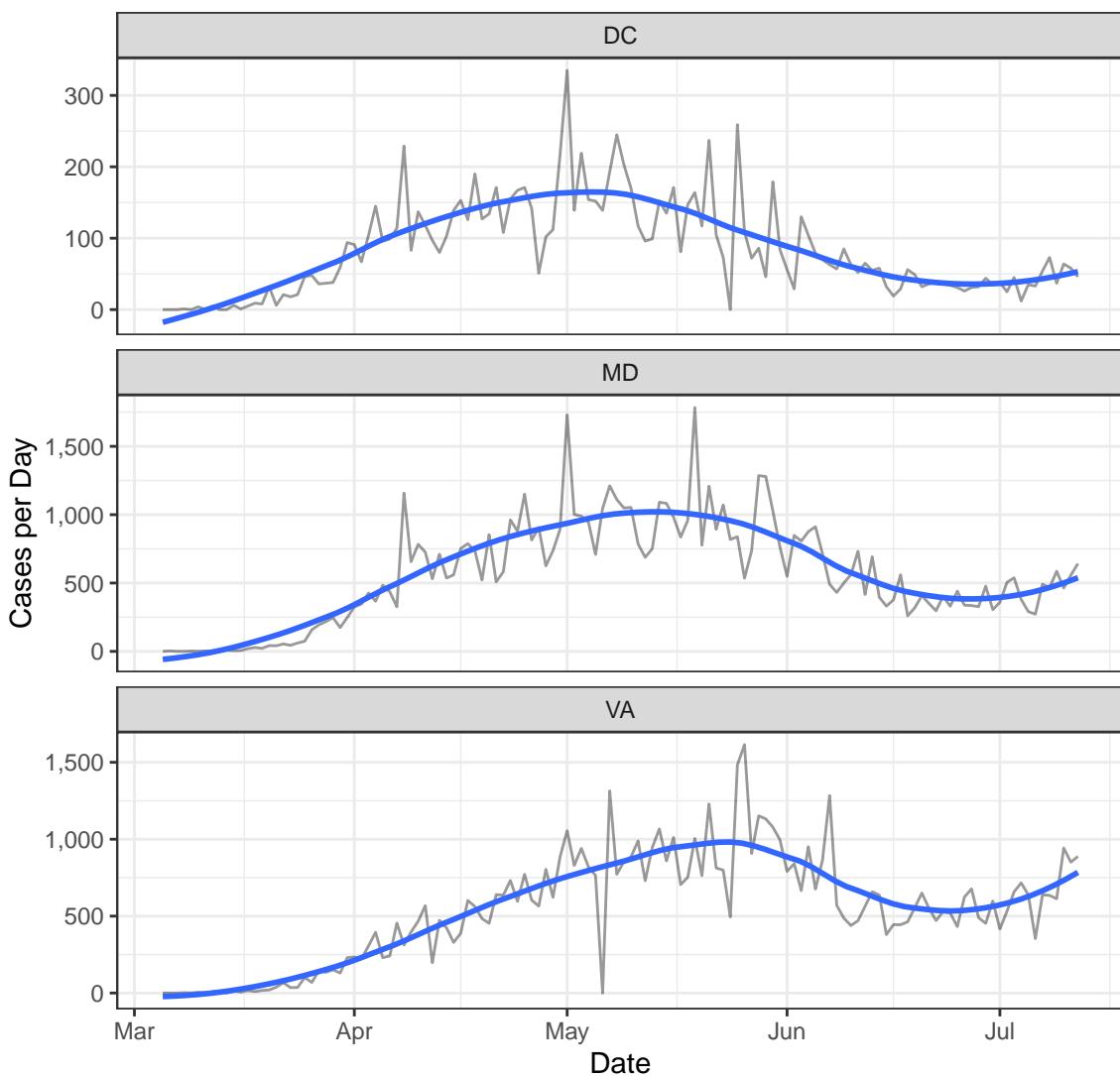




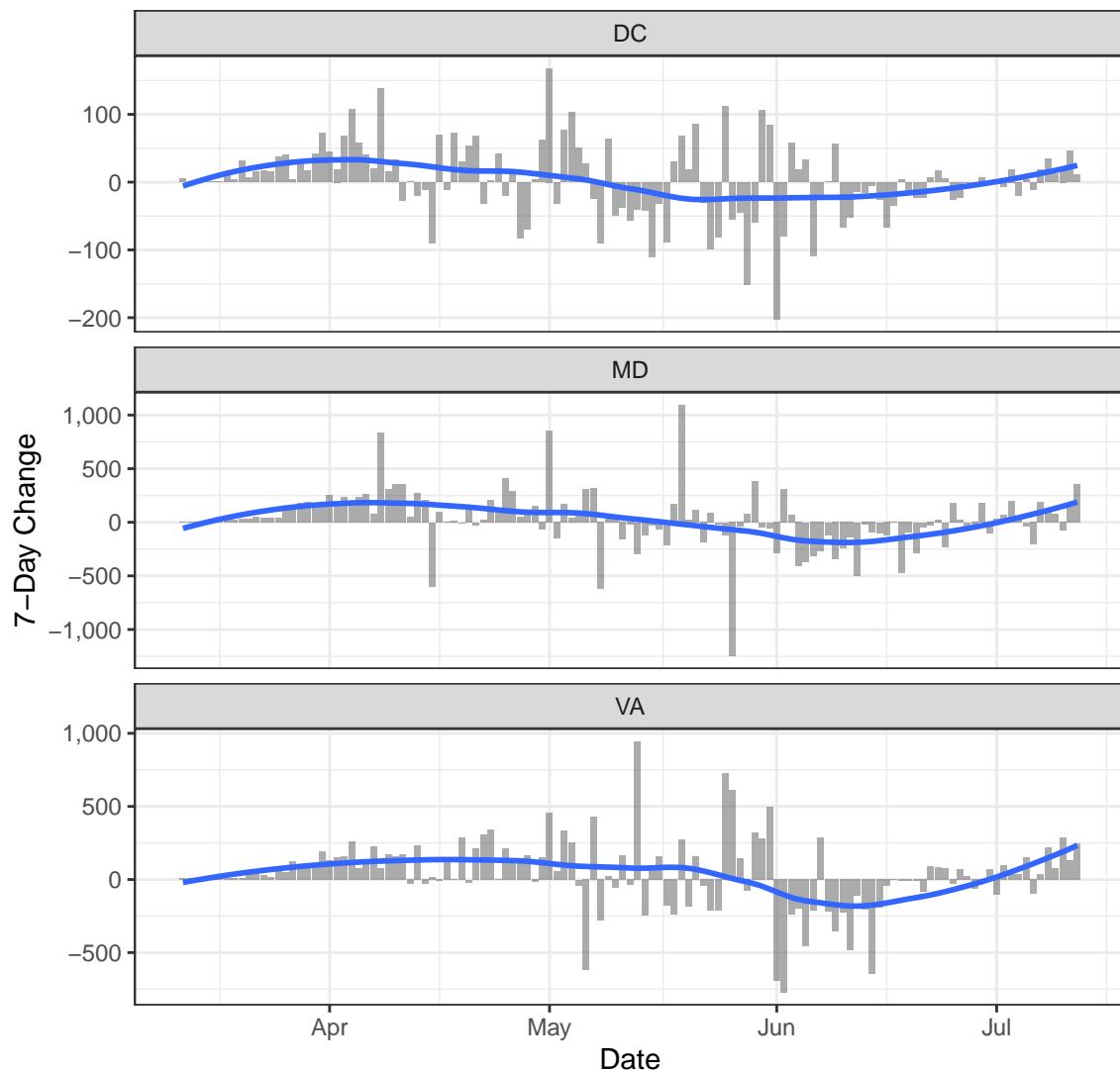
Cases

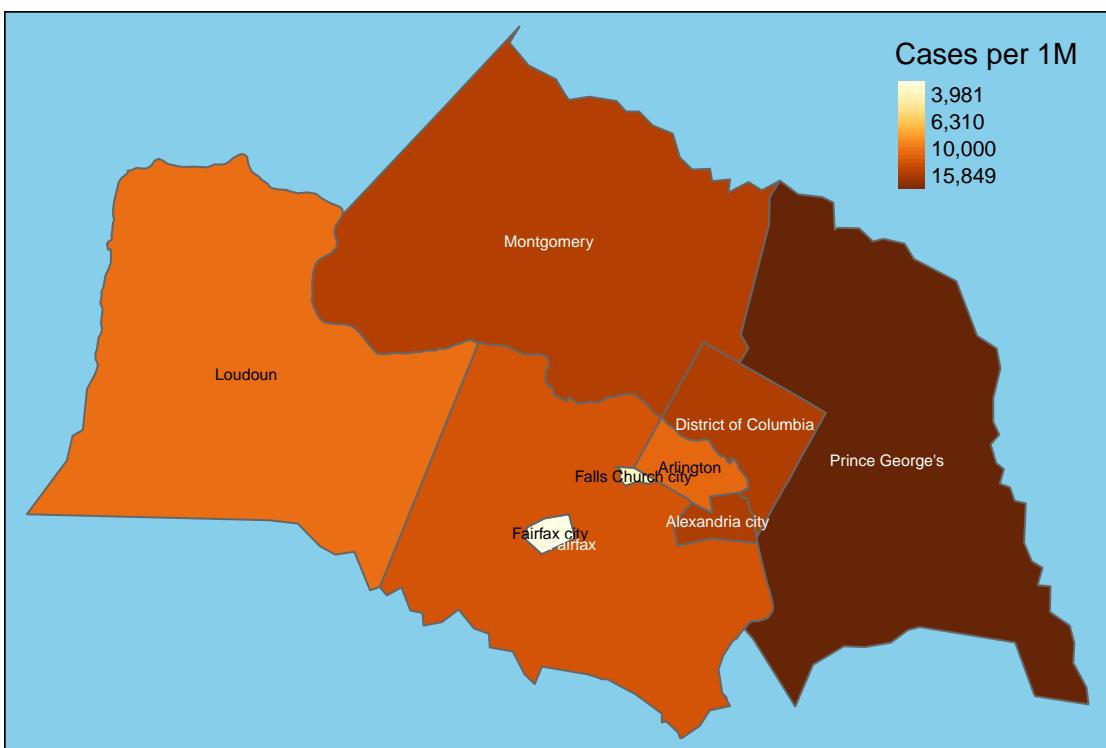
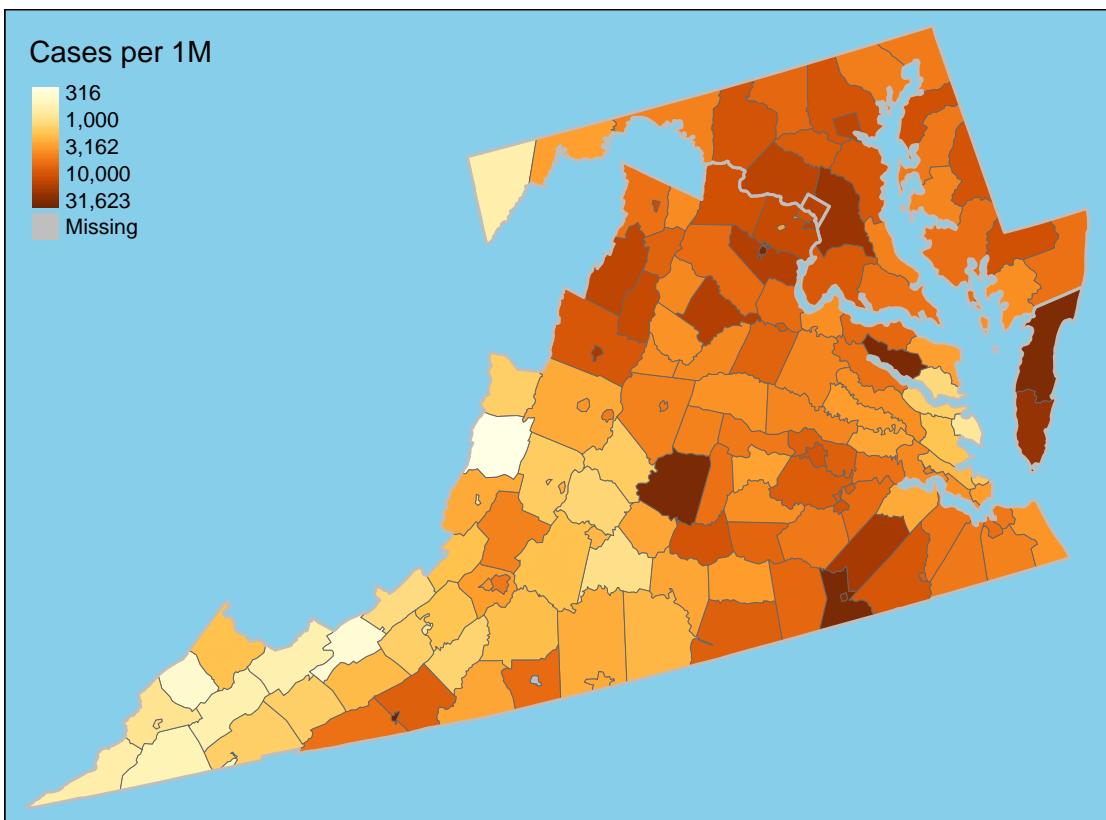


New Cases

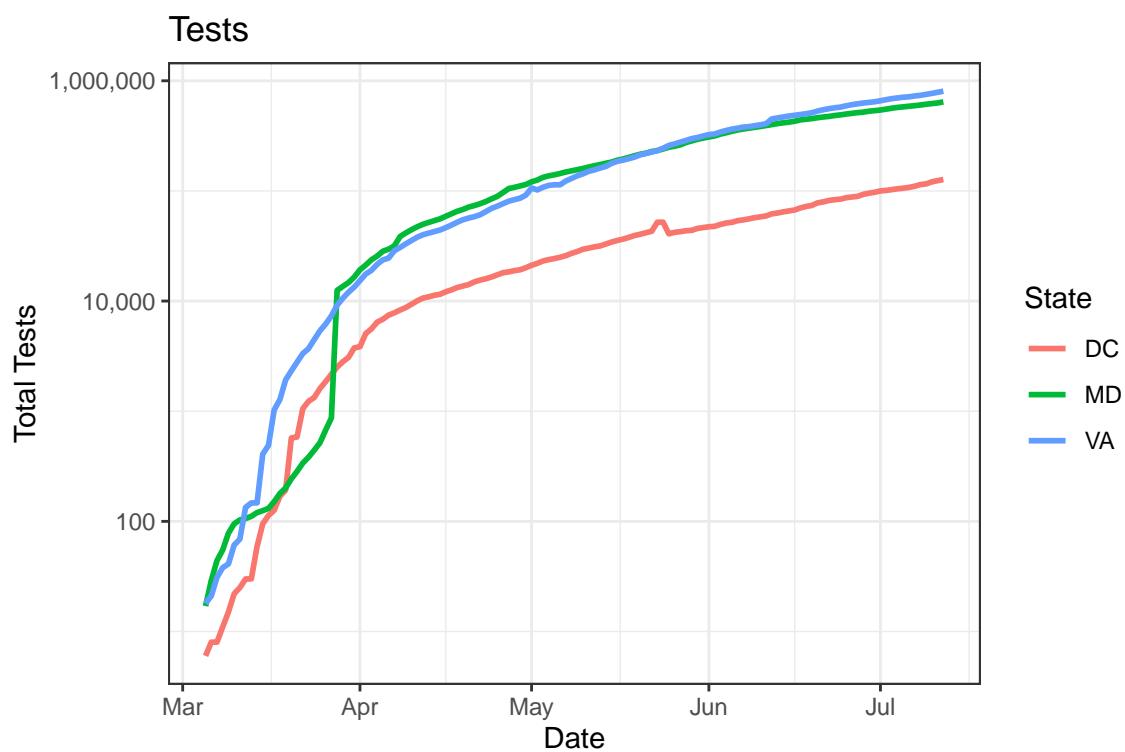


One-Week Change in Daily Cases

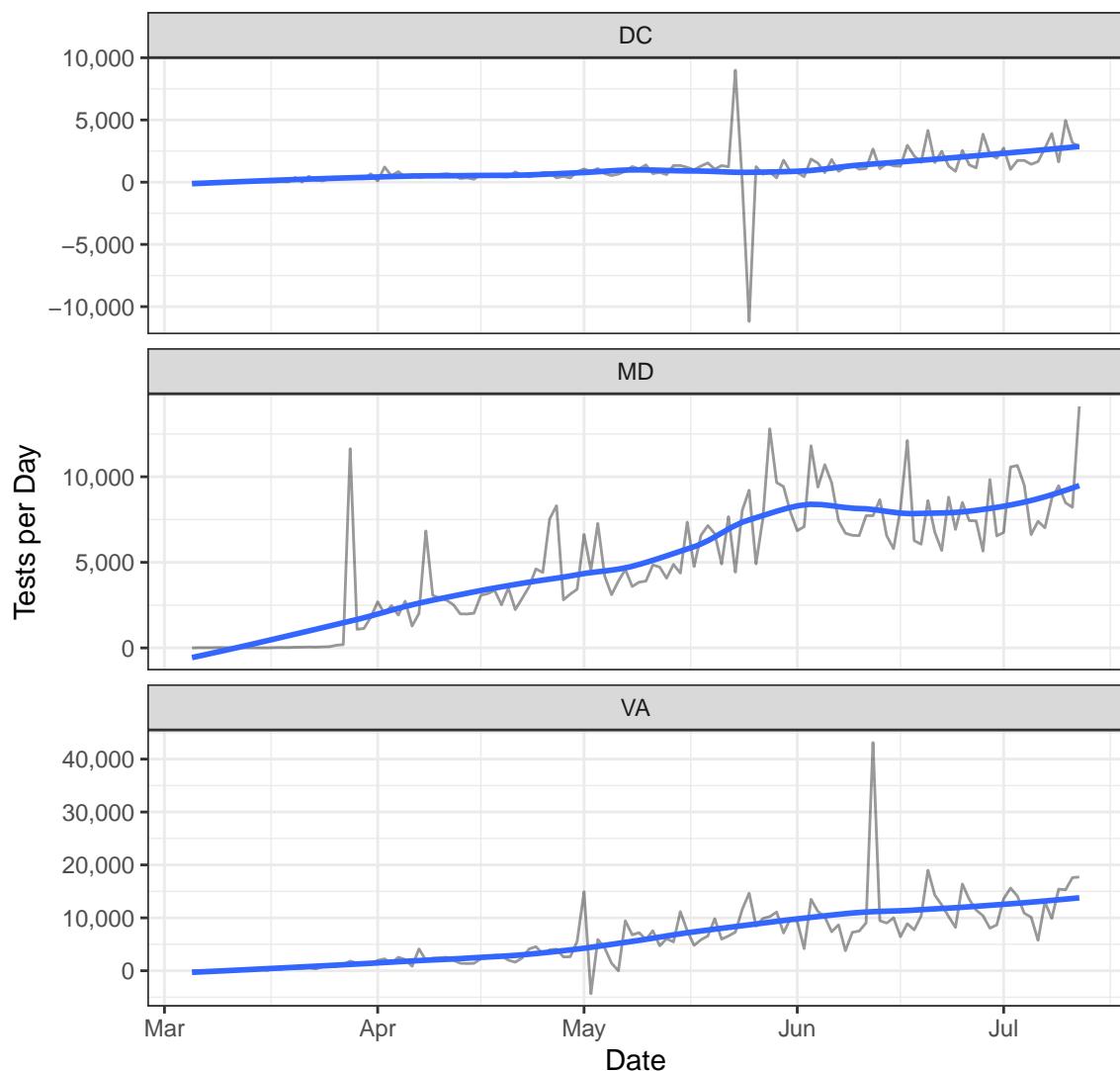




Testing



New Tests



Positive Test Rate

