

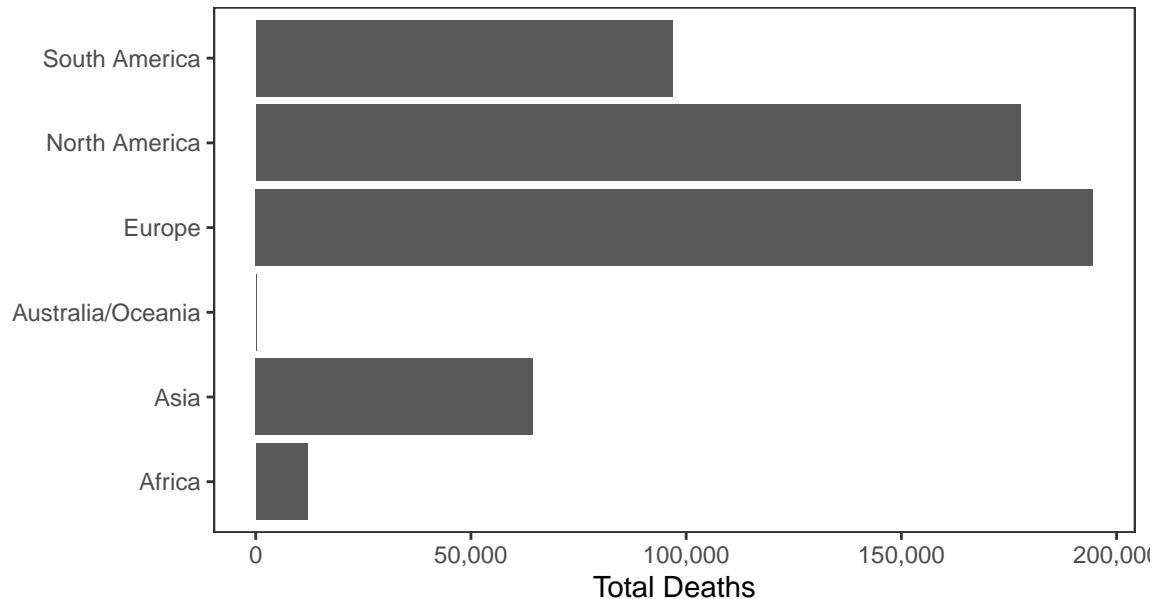
Erik's Covid-19 Chart Pack

Data updated 2020-07-08 19:24:04. 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 11,942,323 confirmed Covid-19 cases and 545,674 deaths worldwide.

Deaths



Cases

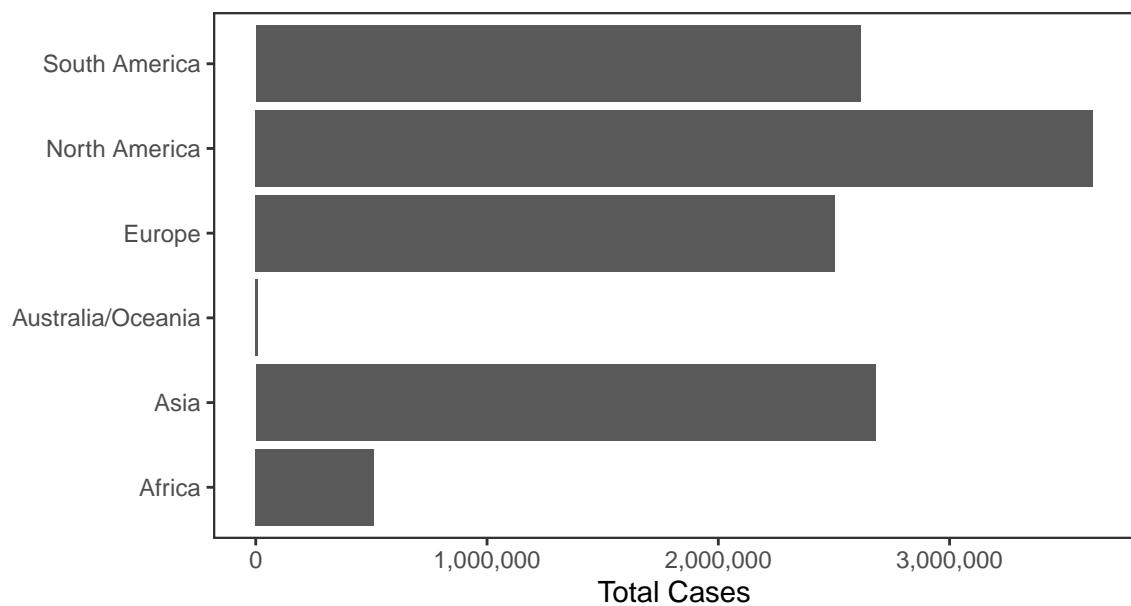
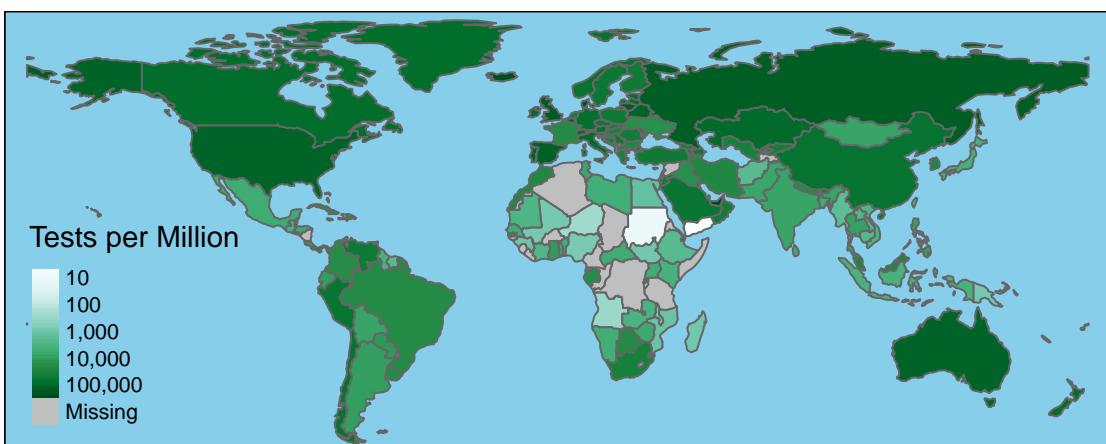
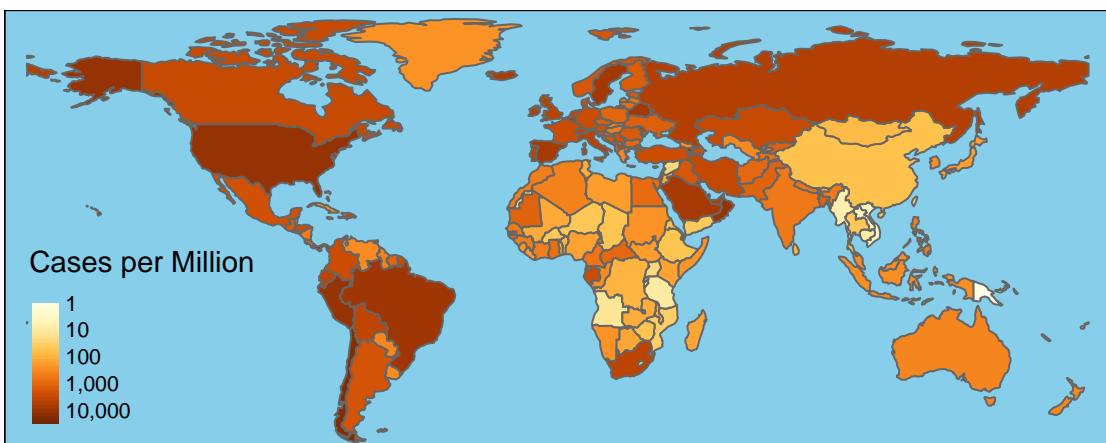
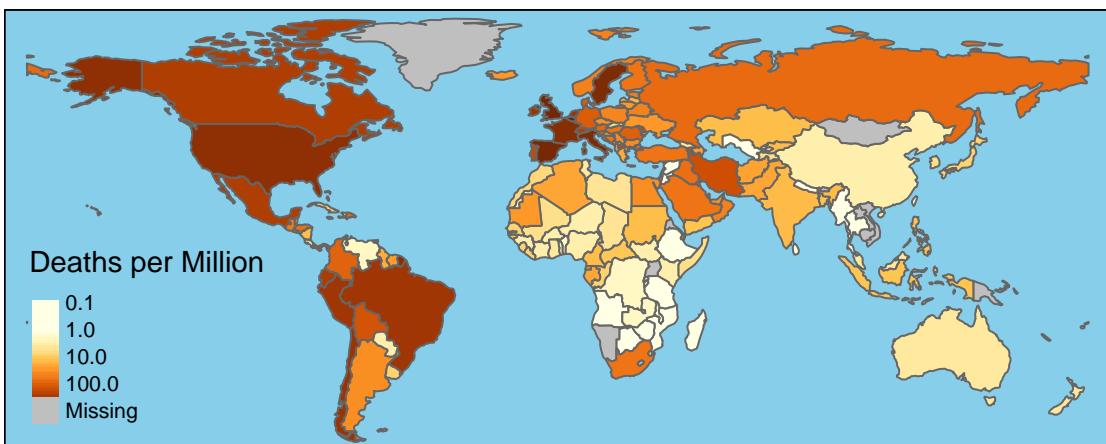


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,097,084	133,972	55,442	993
Brazil	1,674,655	66,868	48,584	1,312
India	743,481	20,653	23,135	479
Russia	694,230	10,494	6,368	198
Peru	309,278	10,952	3,575	180
Chile	301,019	6,434	2,462	50
Spain	299,210	28,392	341	4
UK	286,349	44,391	581	155
Mexico	261,750	31,119	4,902	480
Iran	245,688	11,931	2,637	200
Italy	241,956	34,899	137	30
Pakistan	234,509	4,839	2,691	77
Saudi Arabia	217,108	2,017	3,392	49
South Africa	215,855	3,502	10,134	192
Turkey	207,897	5,260	1,053	19
Germany	198,355	9,103	298	11
France	168,810	29,933	475	13
Bangladesh	168,645	2,151	3,027	55
Colombia	124,494	4,359	4,213	149
Canada	106,167	8,711	232	18



National Data

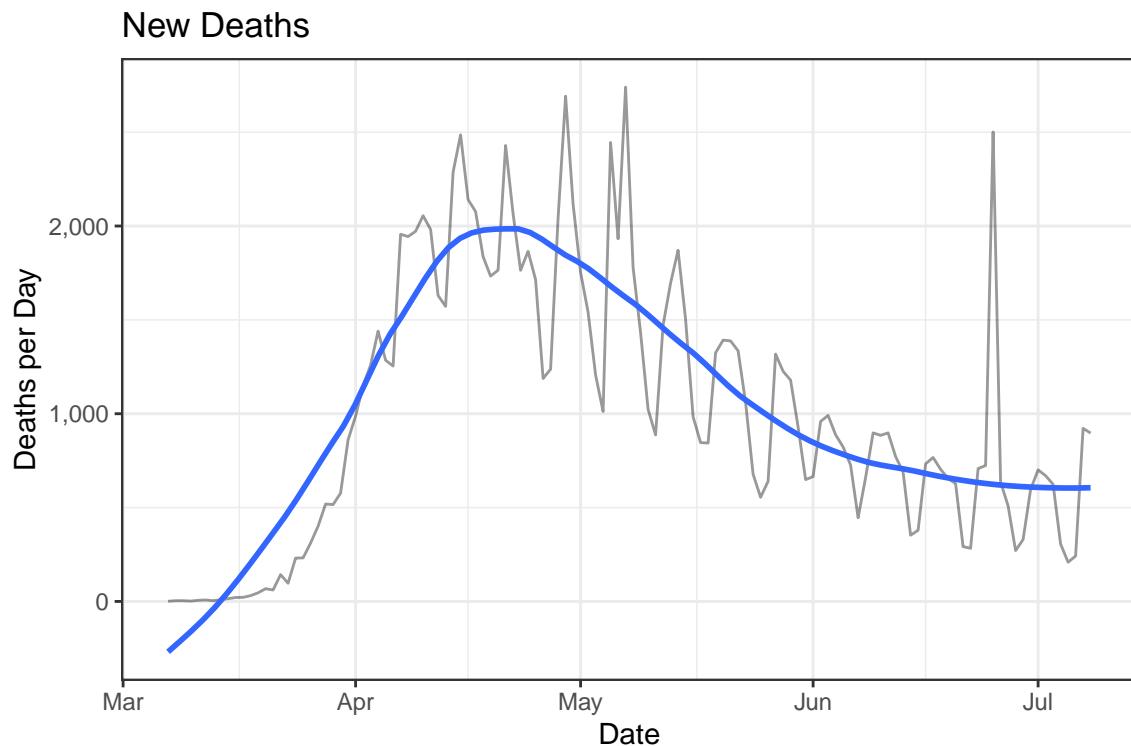
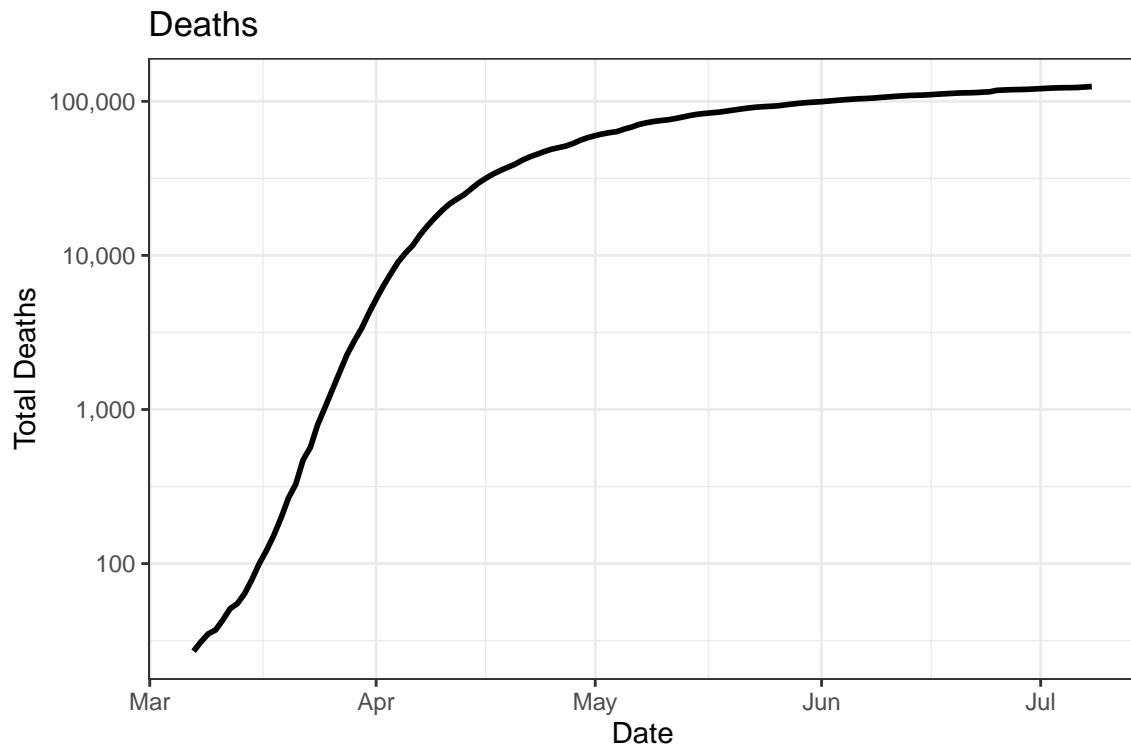
There have been 3,042,503 confirmed Covid-19 cases and 124,723 deaths in the United States.

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

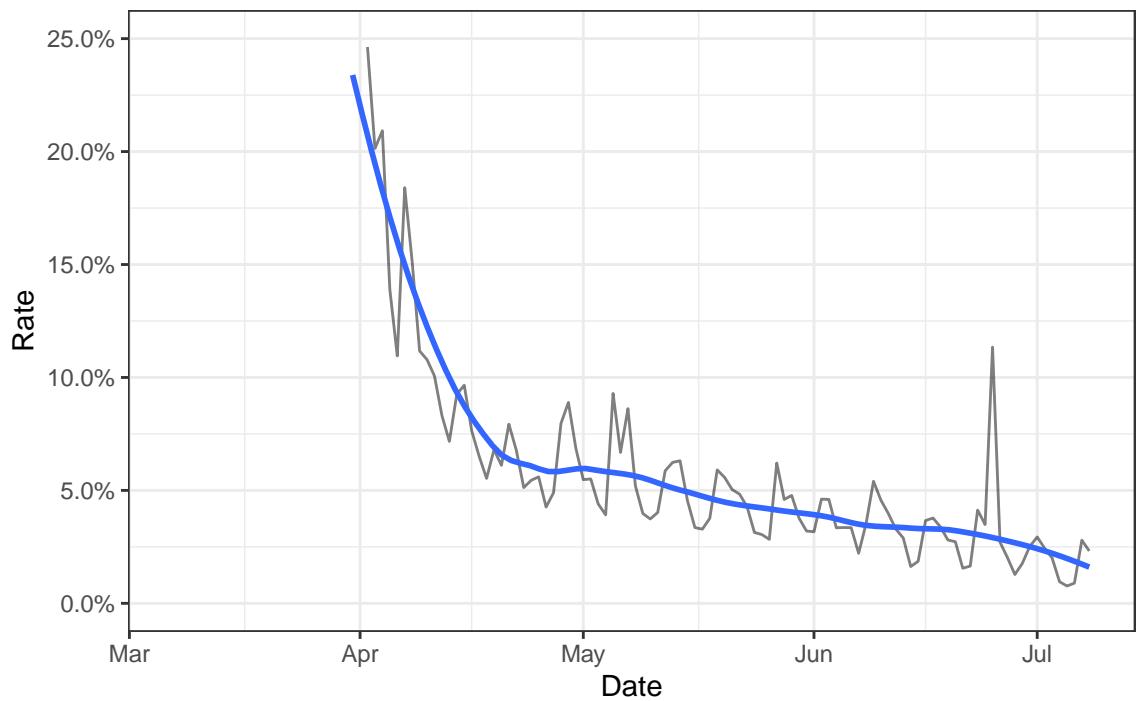
Date	Cases	Deaths	New Cases	New Deaths
2020-07-08	3,042,503	124,723	62,197	897
2020-07-07	2,980,306	123,826	51,888	922
2020-07-06	2,928,418	122,904	47,375	242
2020-07-05	2,881,043	122,662	42,578	209
2020-07-04	2,838,465	122,453	52,406	306
2020-07-03	2,786,059	122,147	57,562	624
2020-07-02	2,728,497	121,523	53,684	670
2020-07-01	2,674,813	120,853	52,982	701
2020-06-30	2,621,831	120,152	44,358	596
2020-06-29	2,577,473	119,556	36,490	330
2020-06-28	2,540,983	119,226	42,161	271
2020-06-27	2,498,822	118,955	43,471	509
2020-06-26	2,455,351	118,446	44,373	636
2020-06-25	2,410,978	117,810	39,061	2,501

Deaths

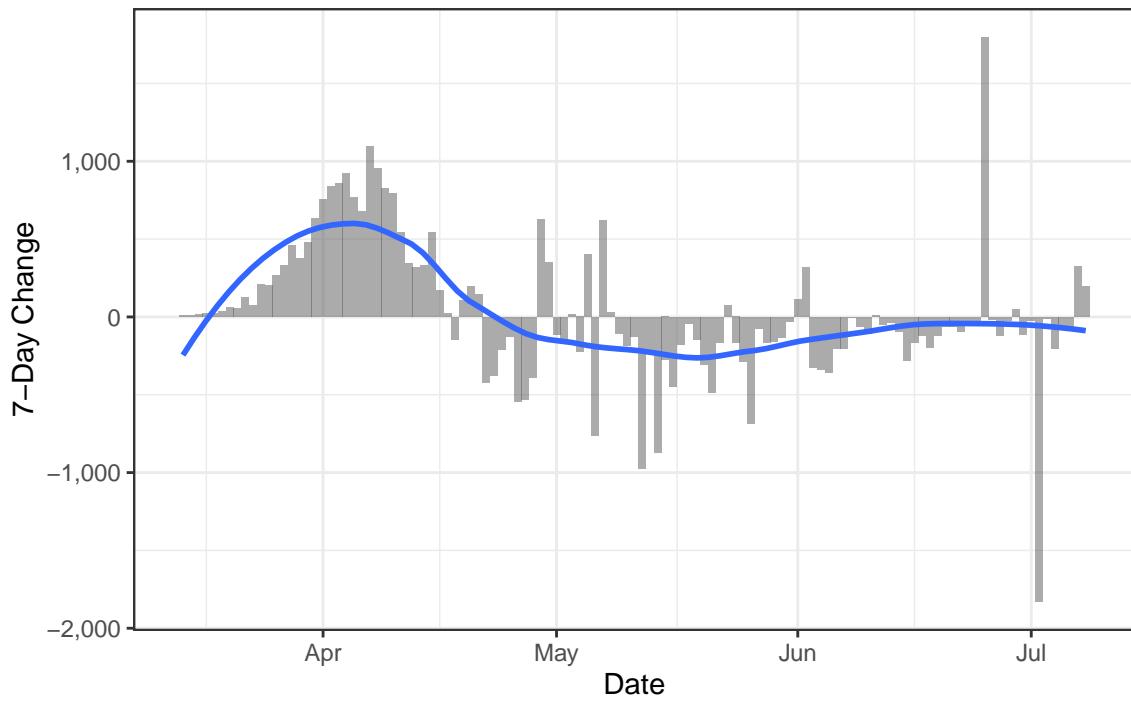
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

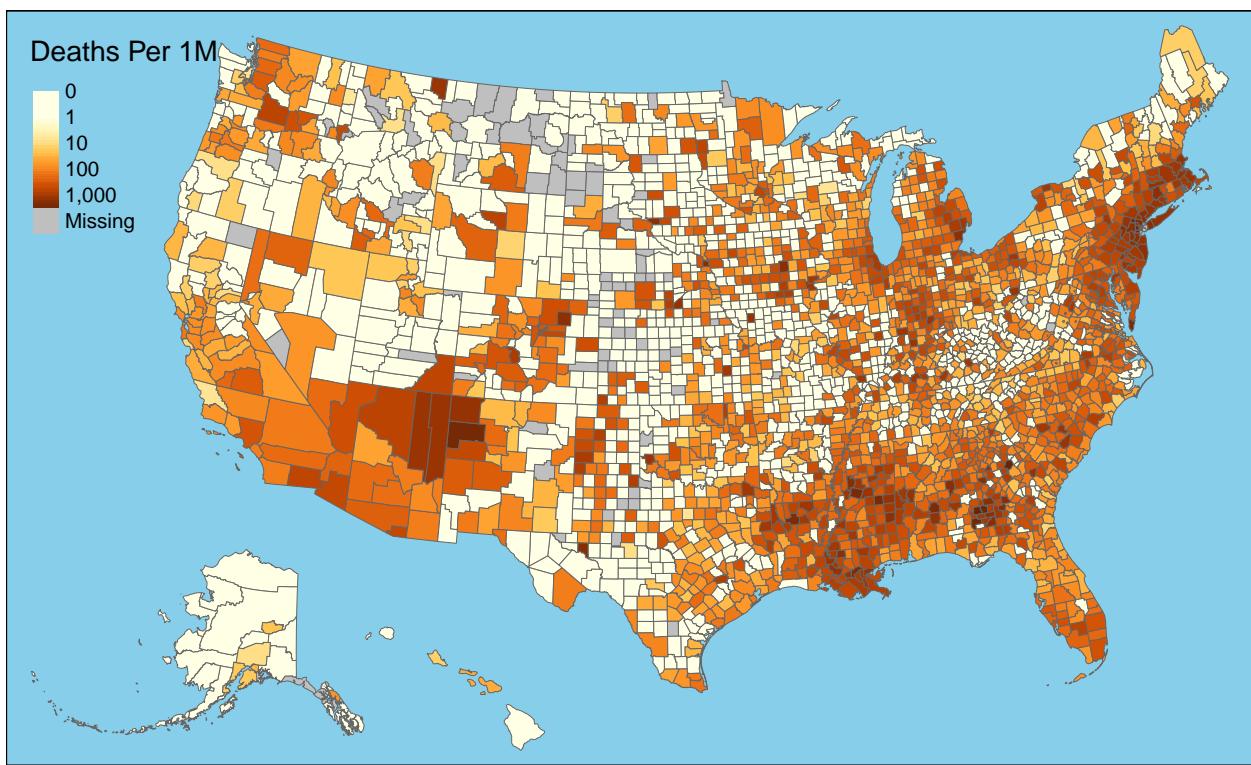


Daily Case Mortality Rate



One-Week Change in Daily Deaths

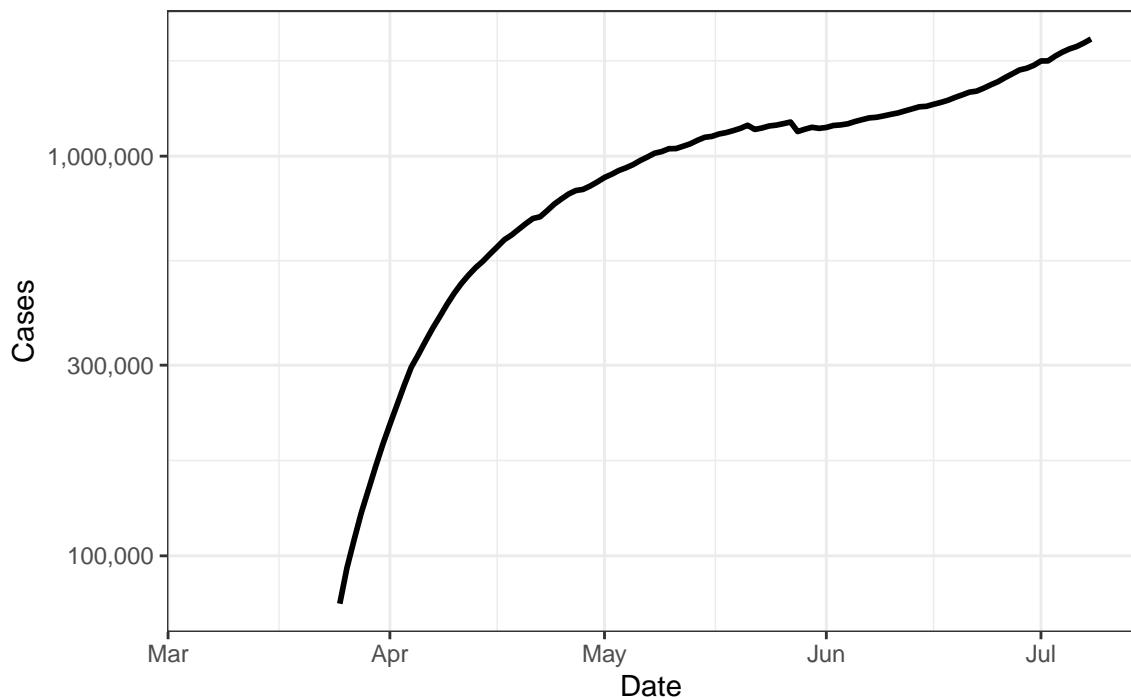




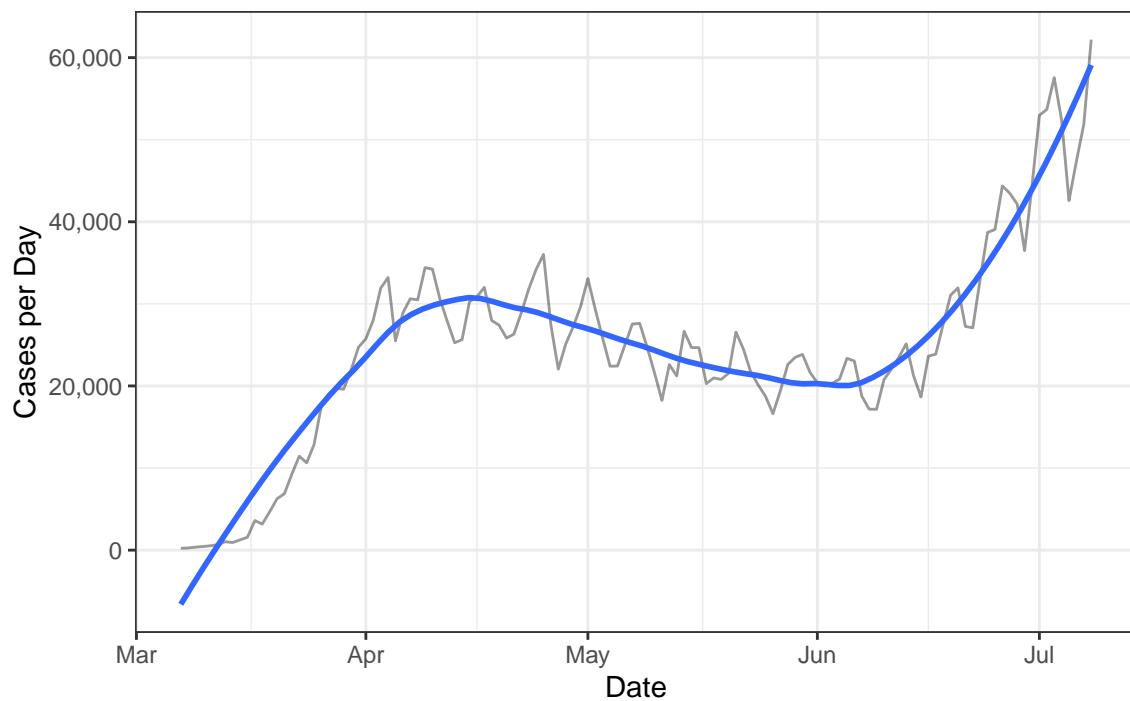
Cases

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

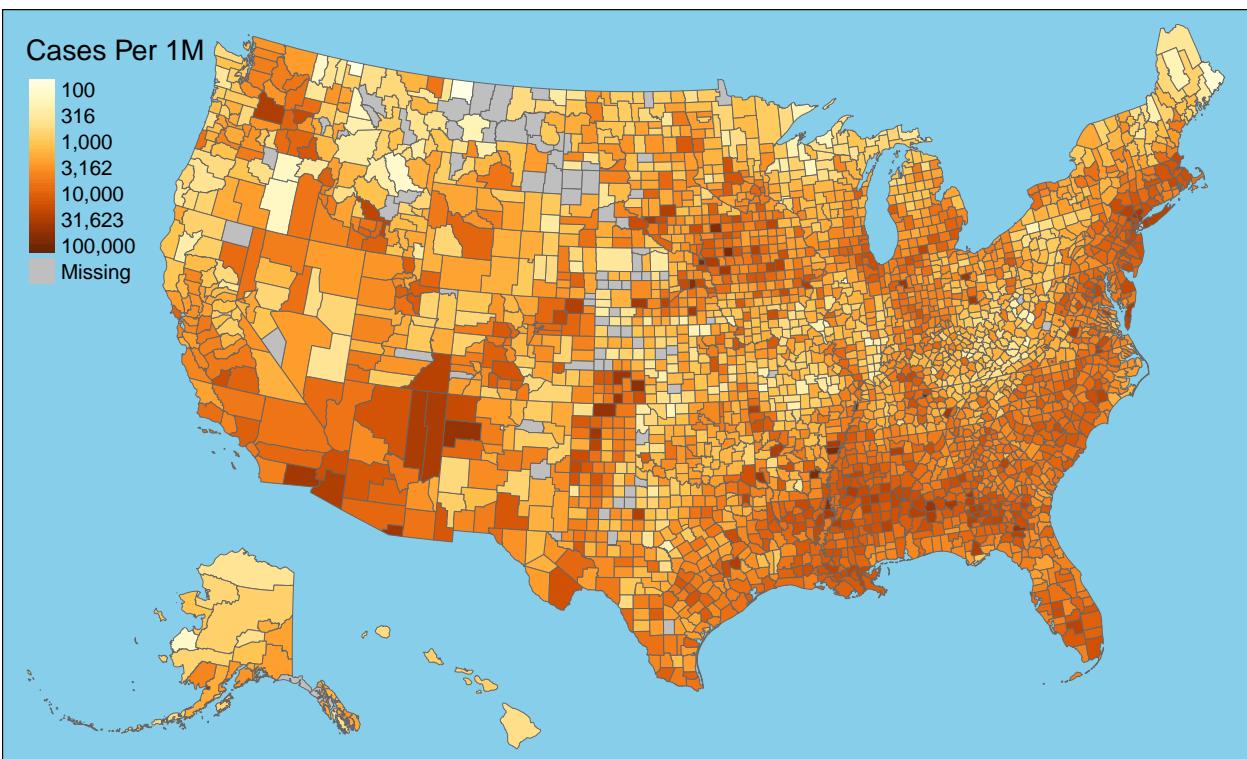
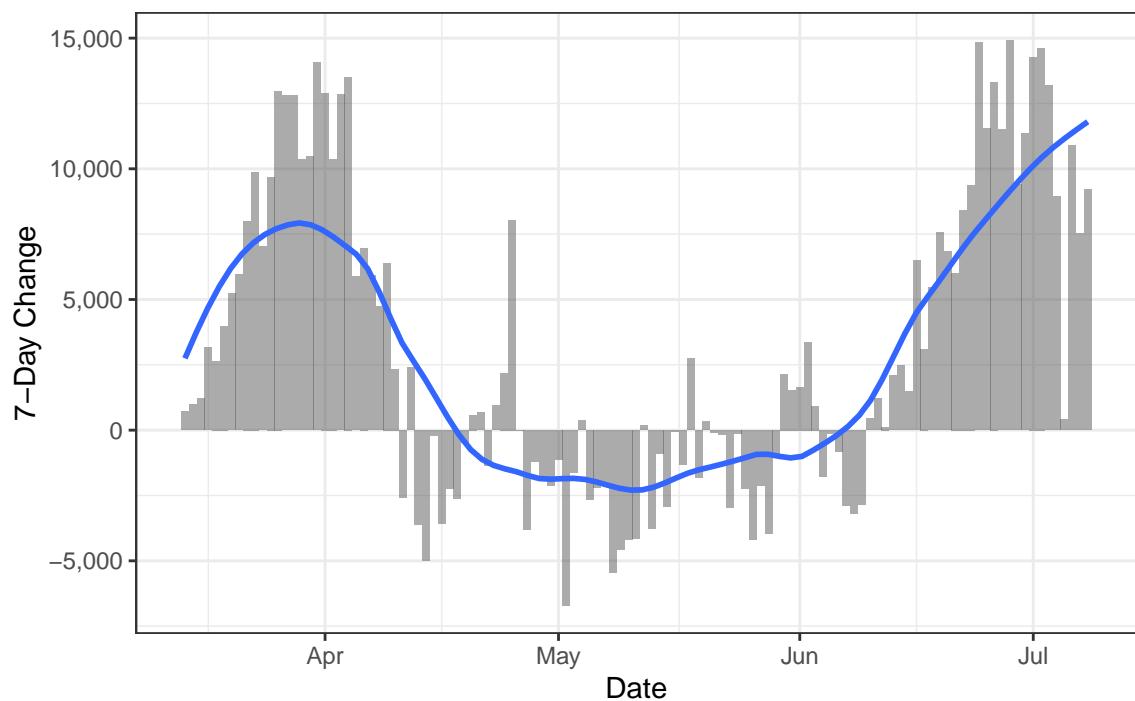
Active Cases



New Cases



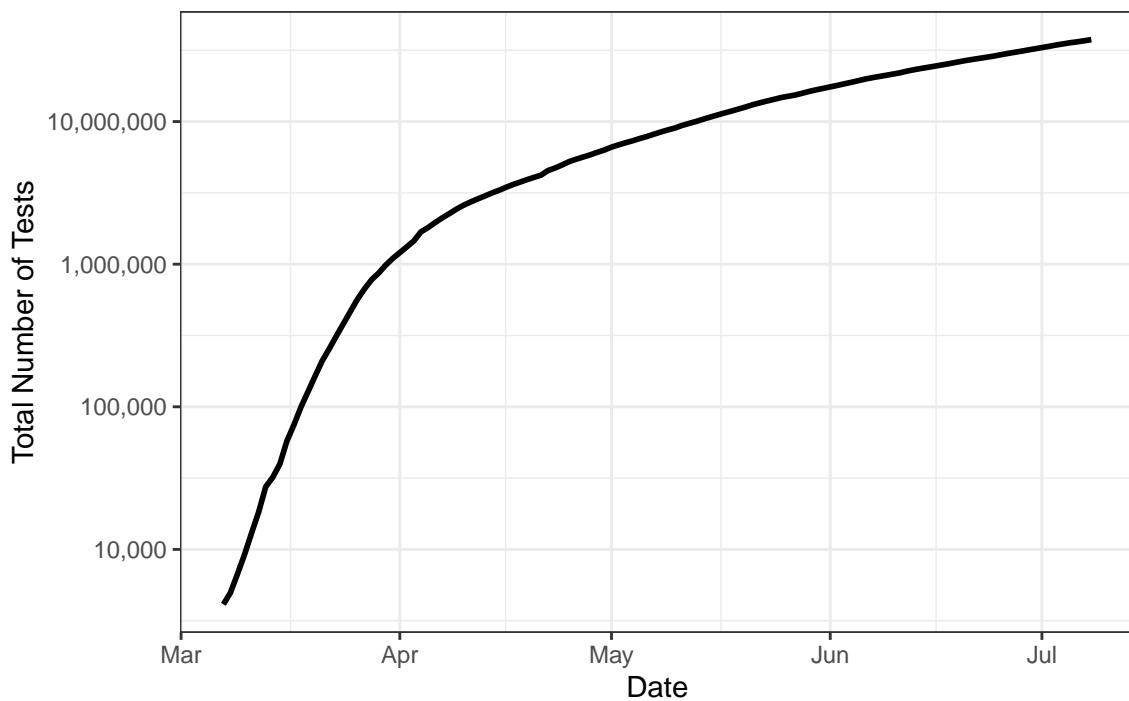
One-Week Change in Daily Cases



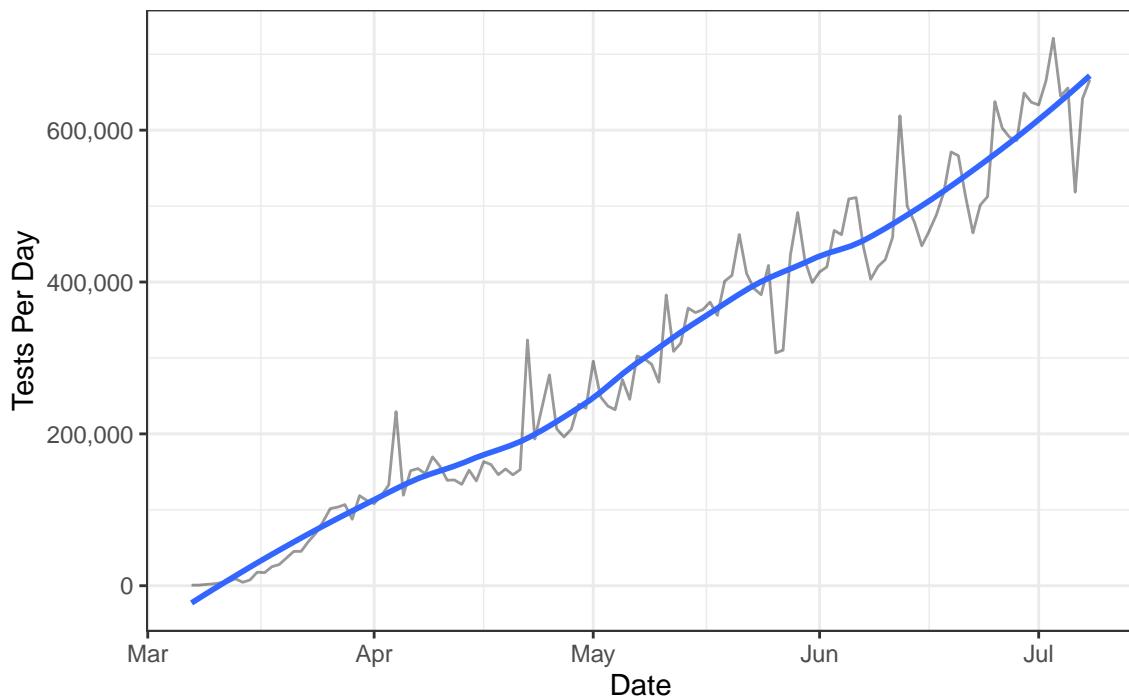
Testing

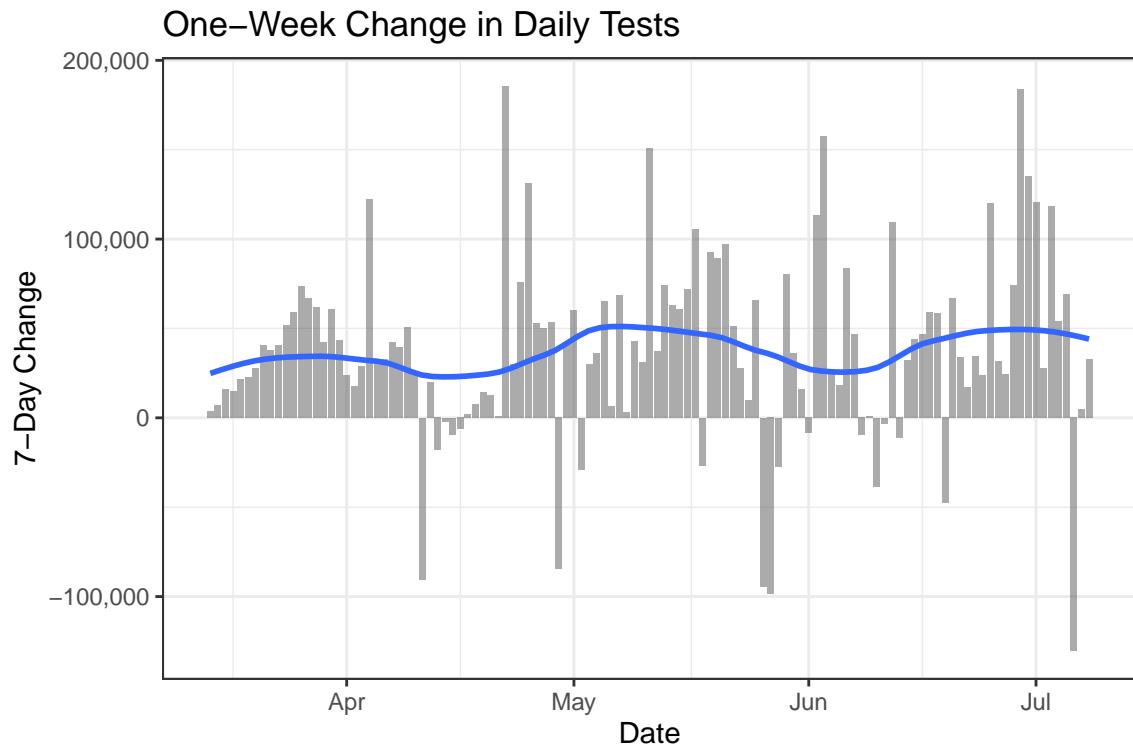
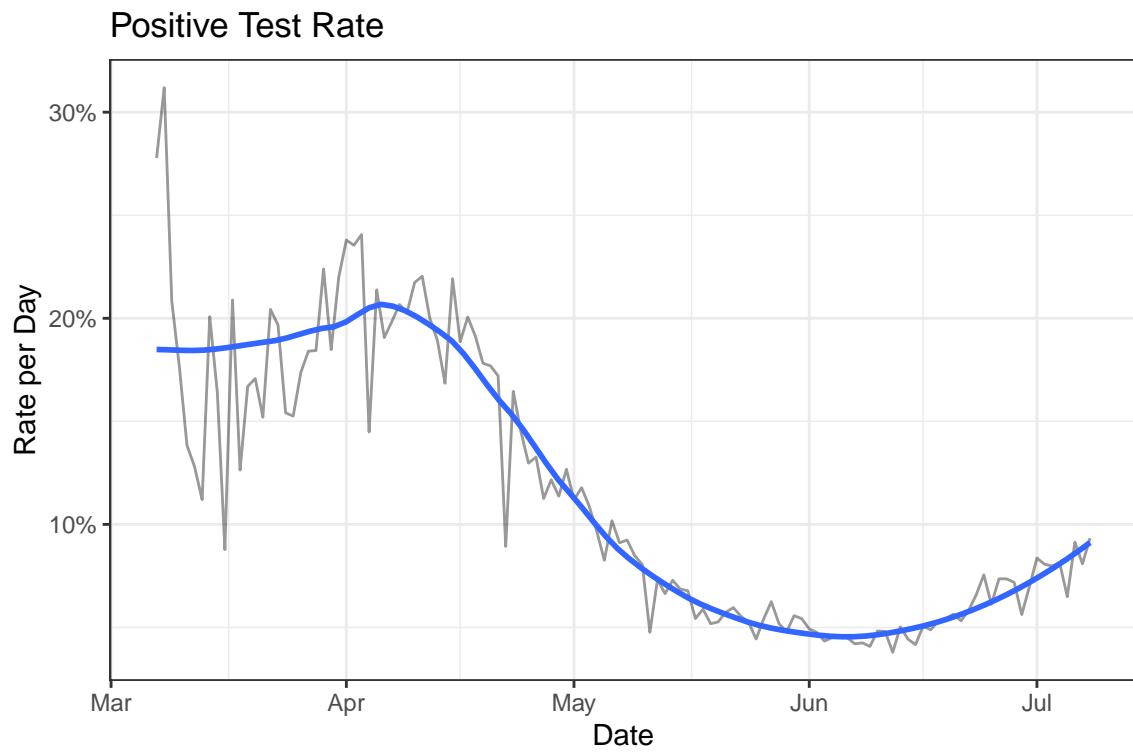
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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

Tests



New Tests



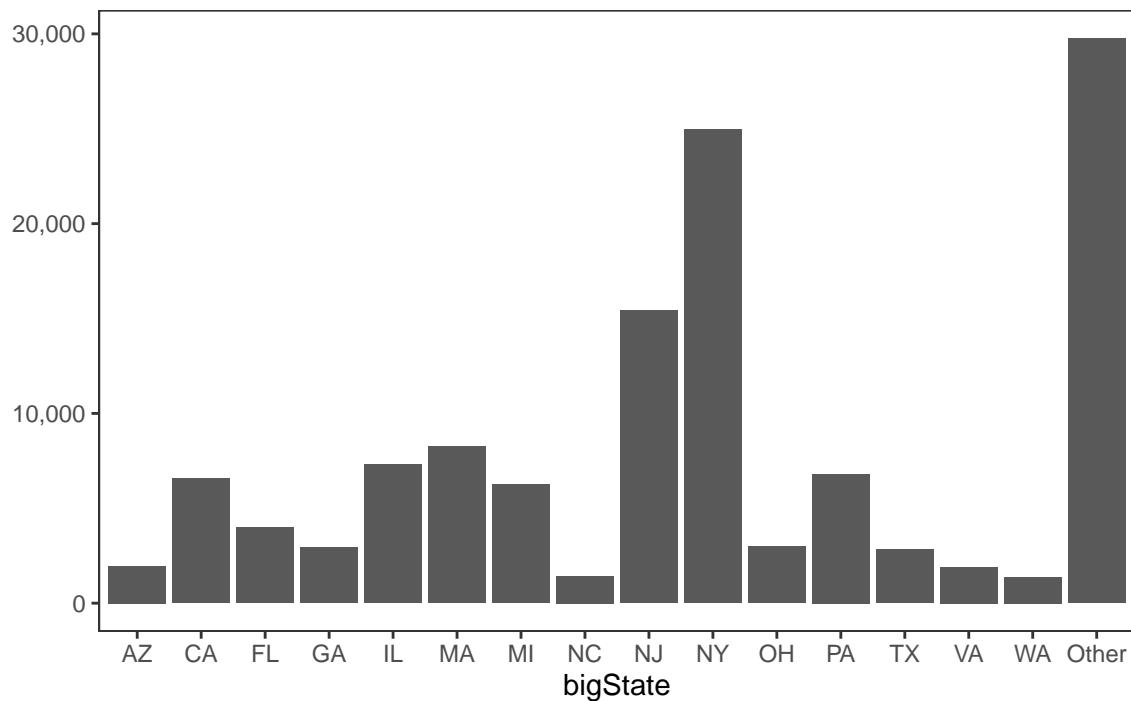


State Data

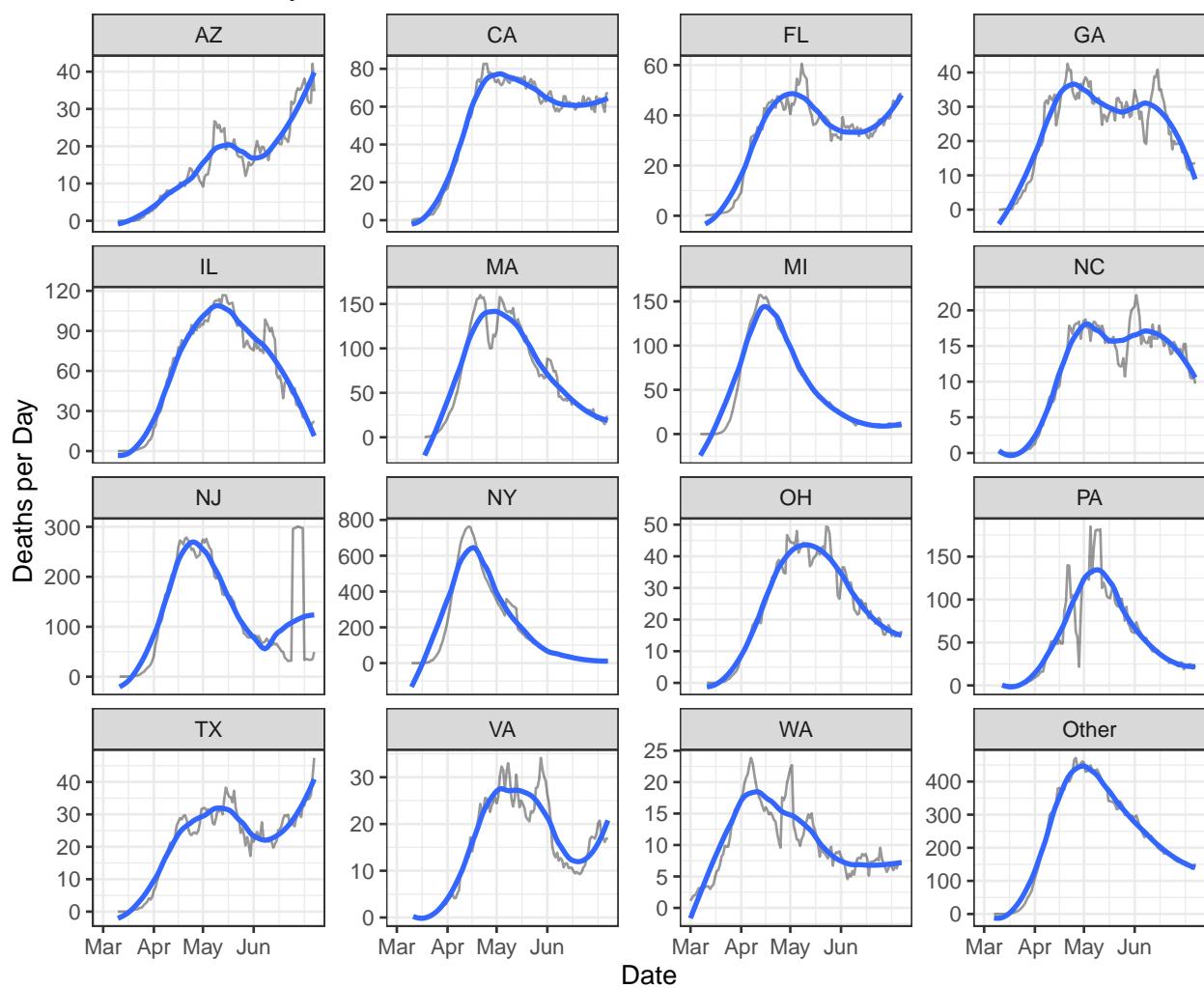
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

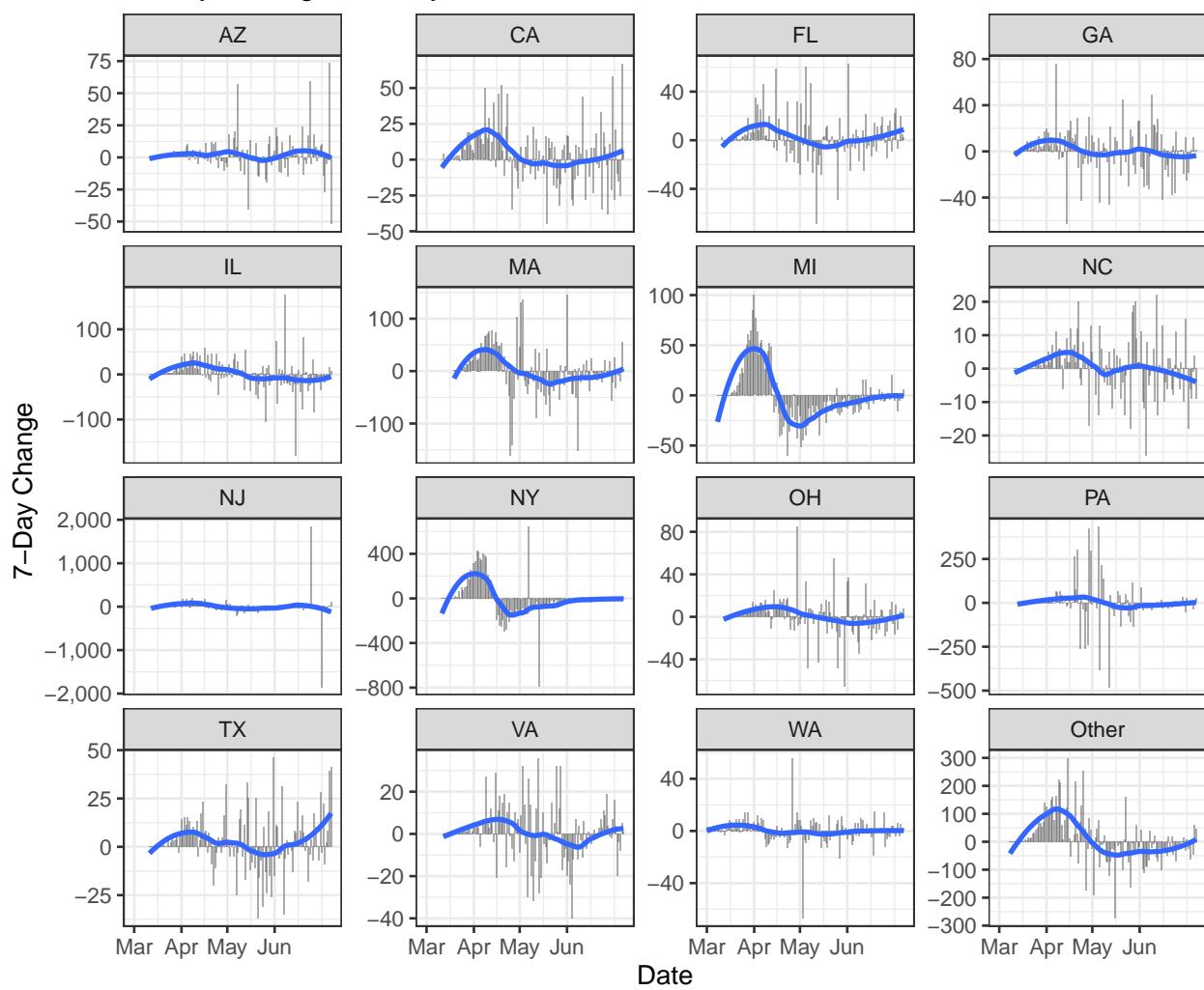
Deaths by State

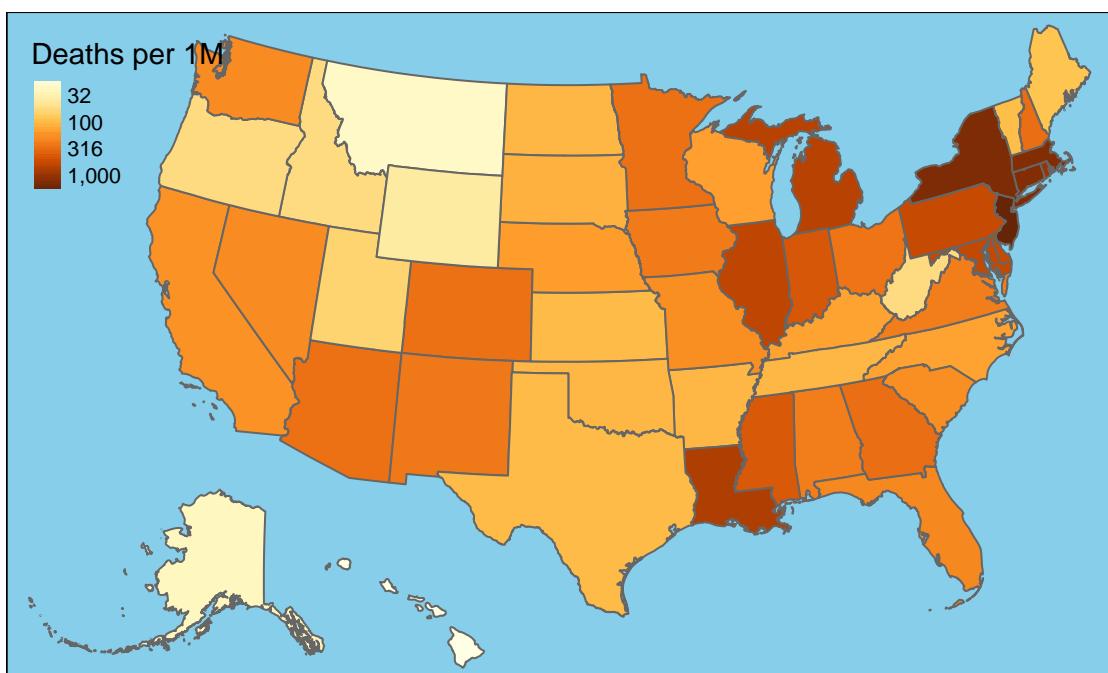
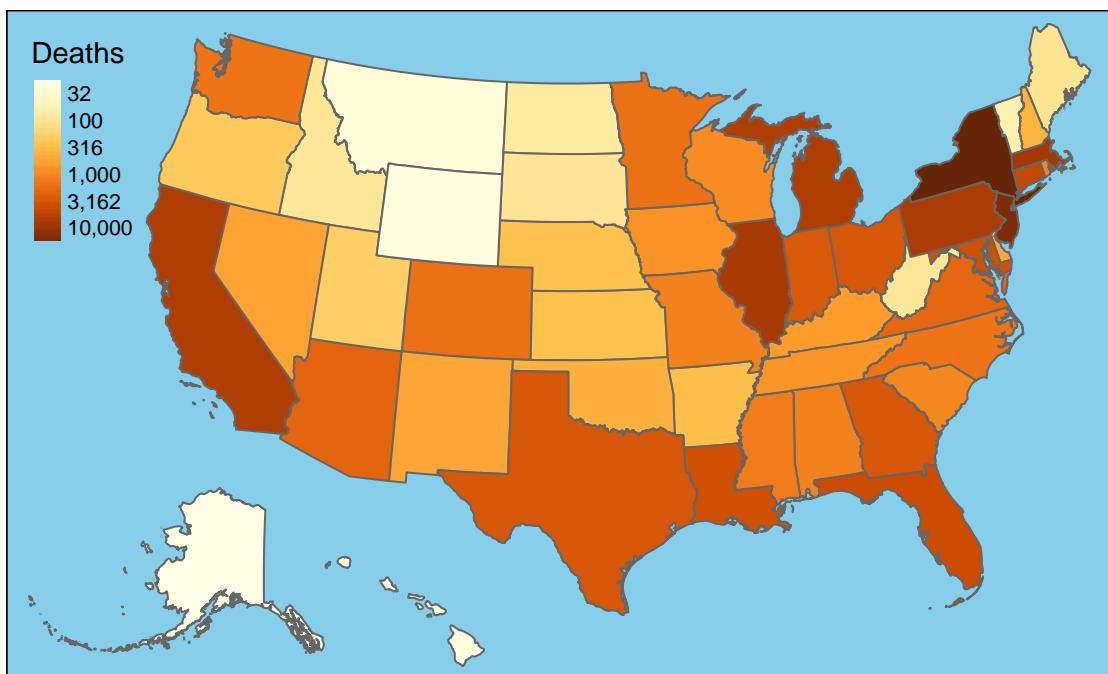


New Deaths by State



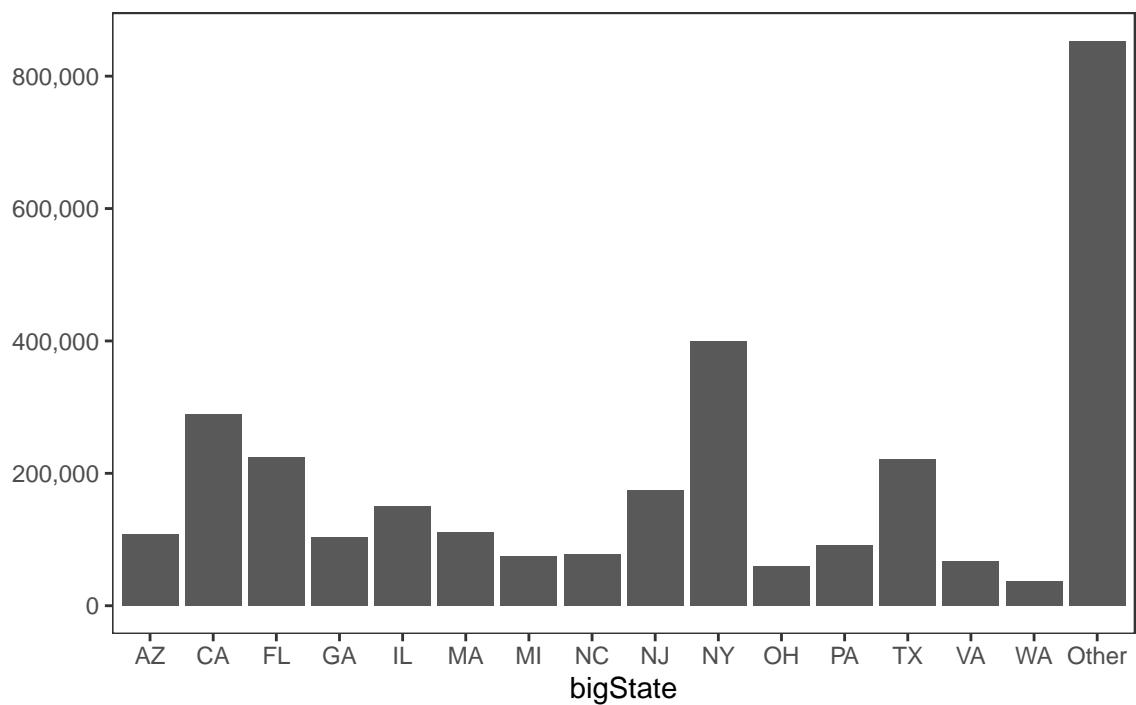
7-Day Change in Daily Deaths



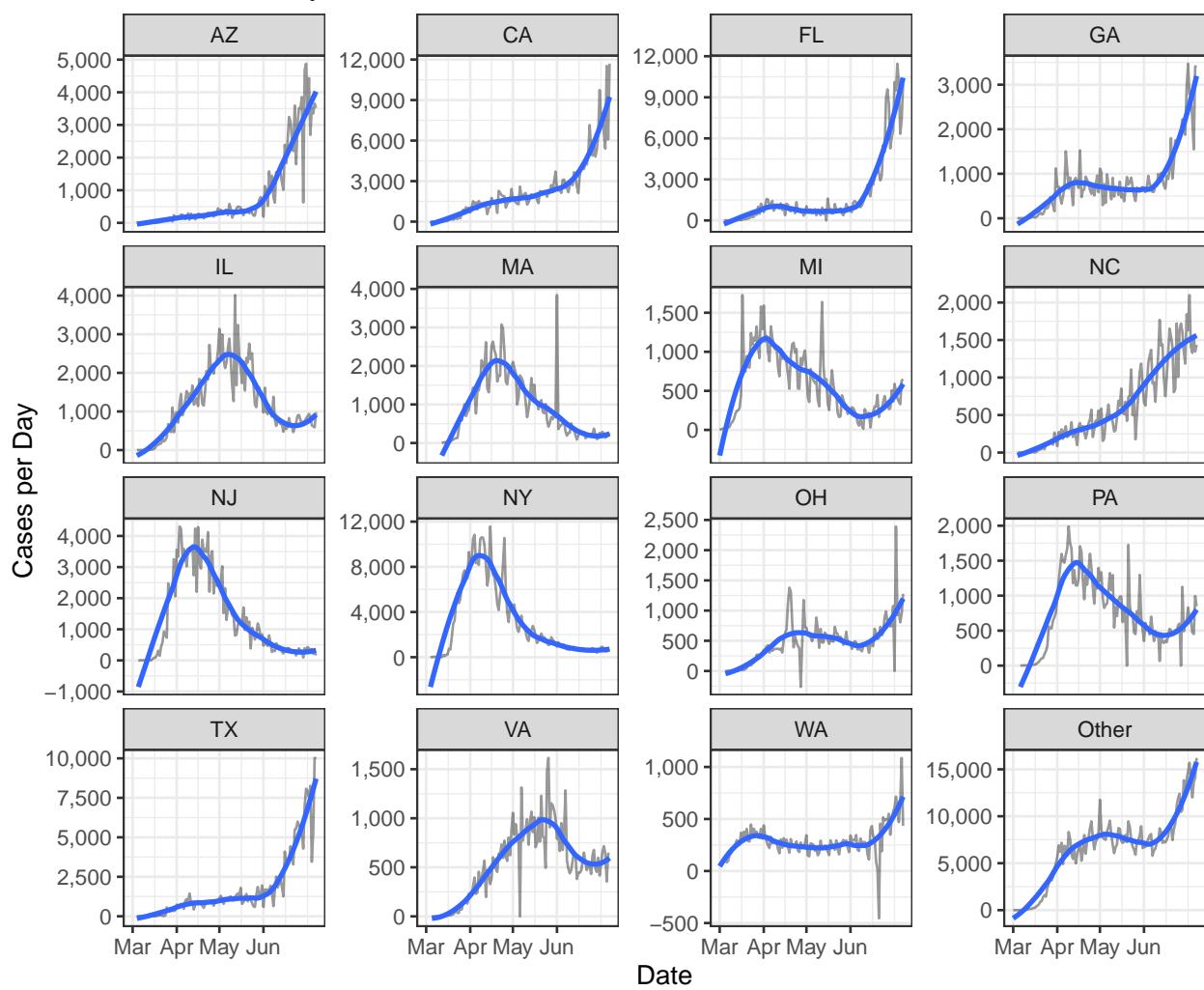


Cases

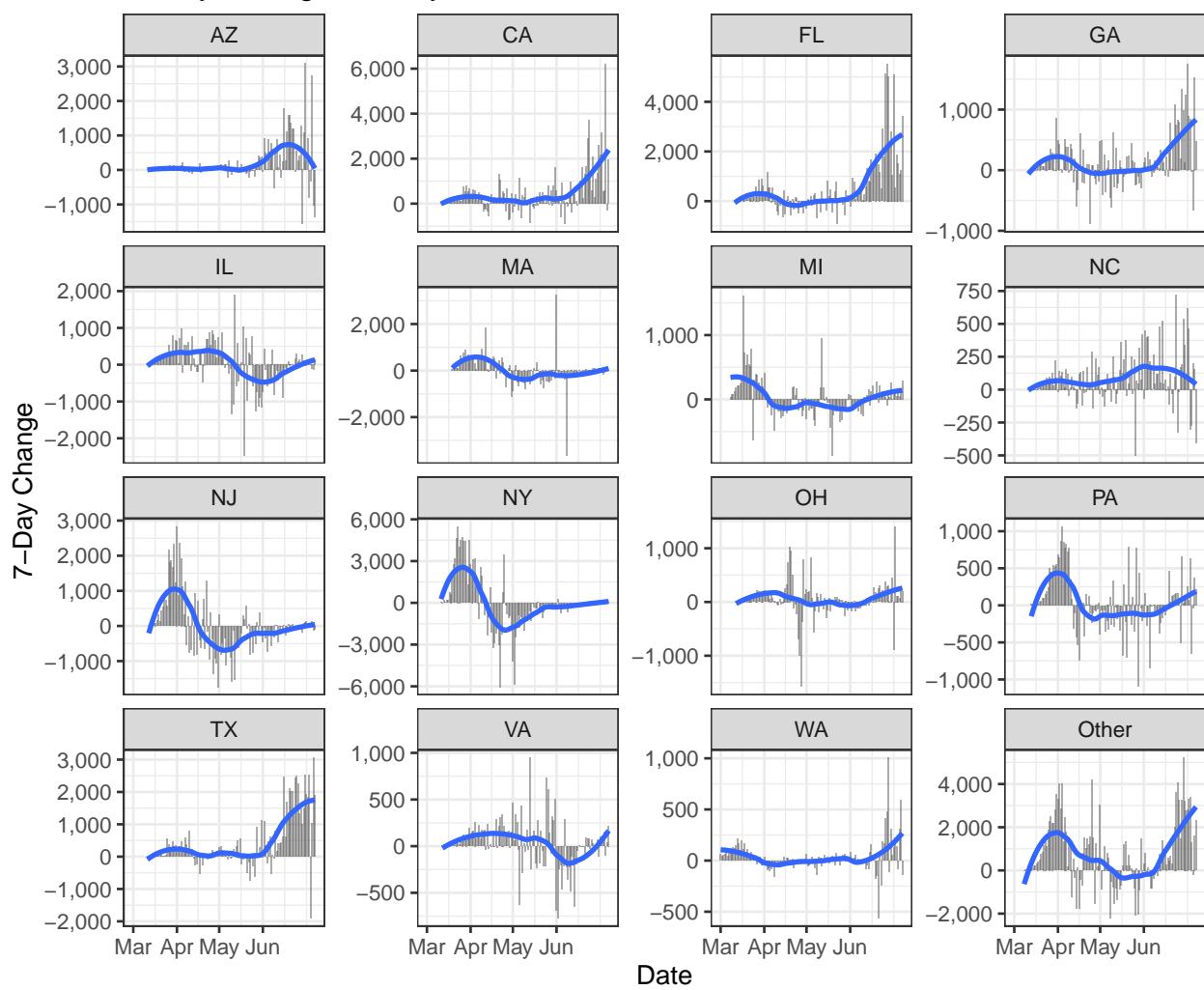
Cases by State

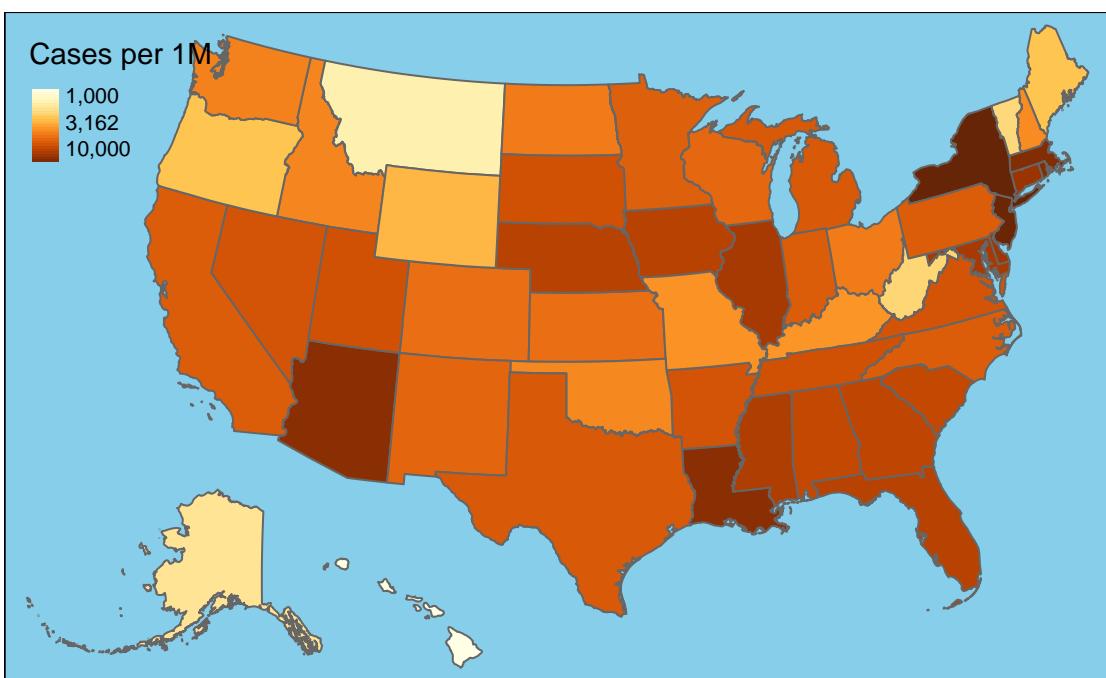
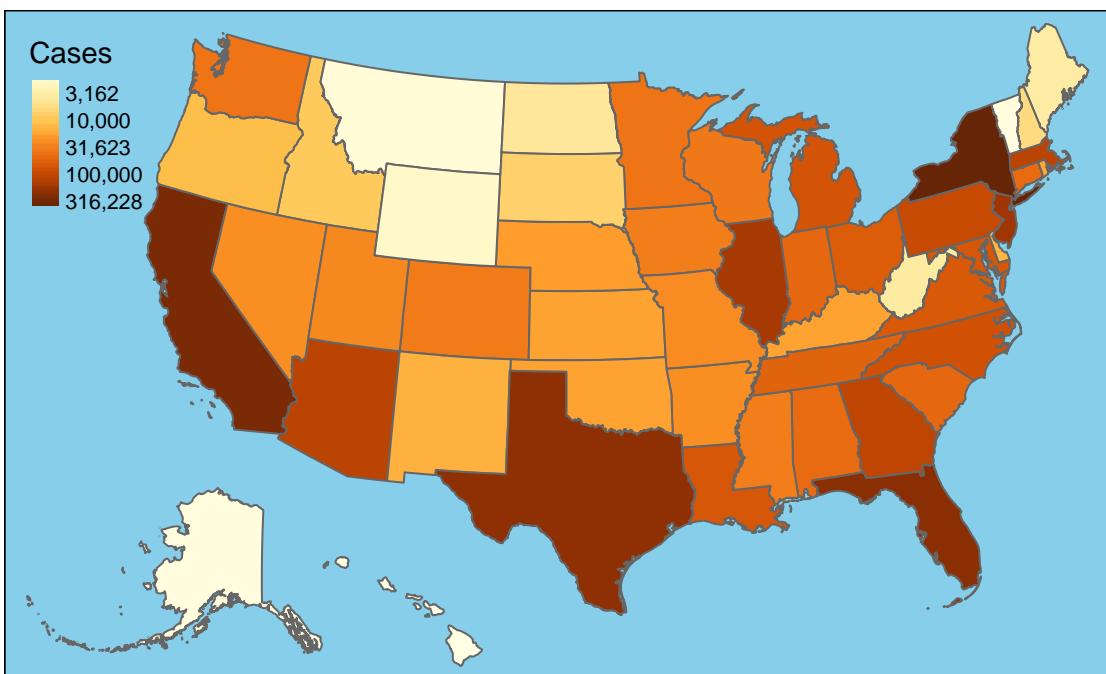


New Cases by State

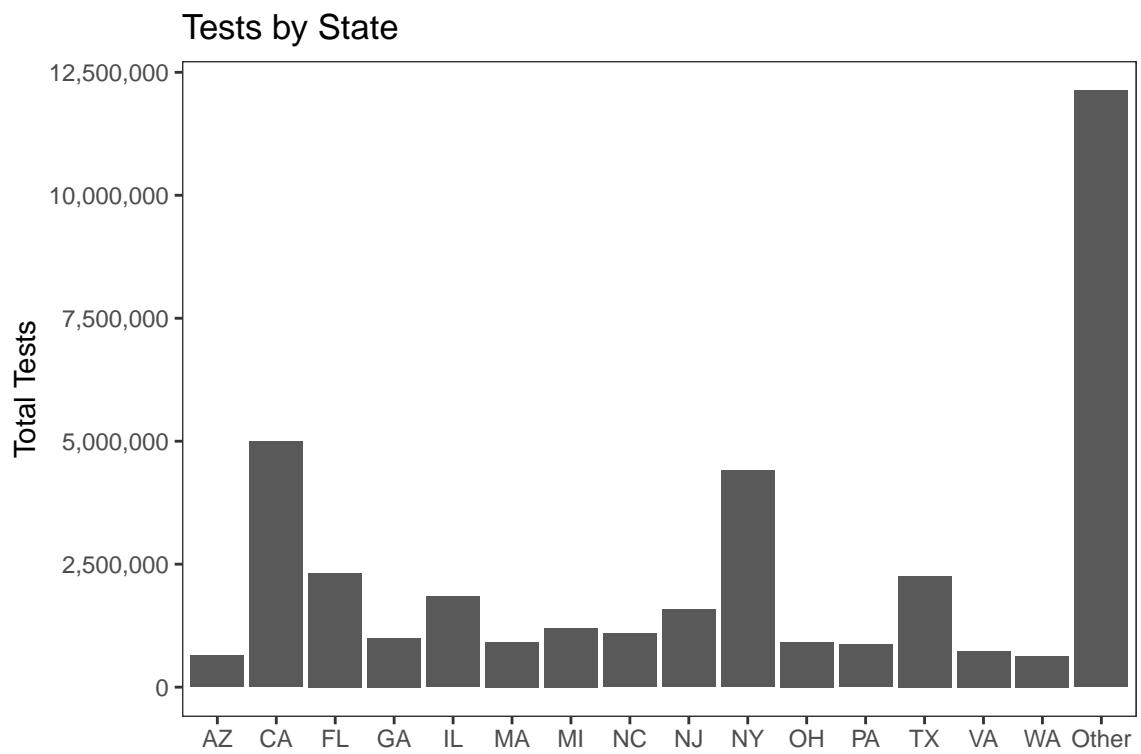


7-Day Change in Daily Cases

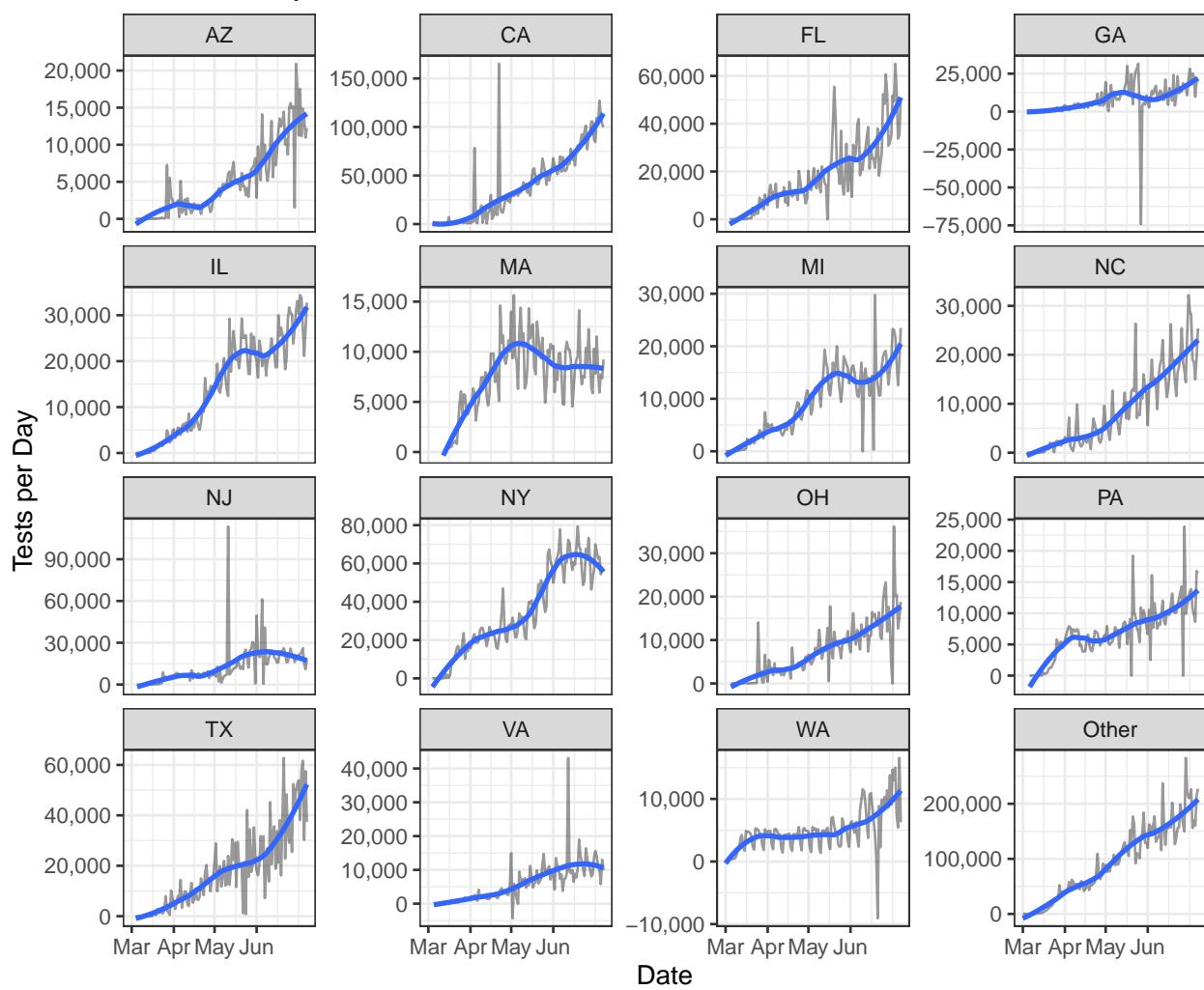


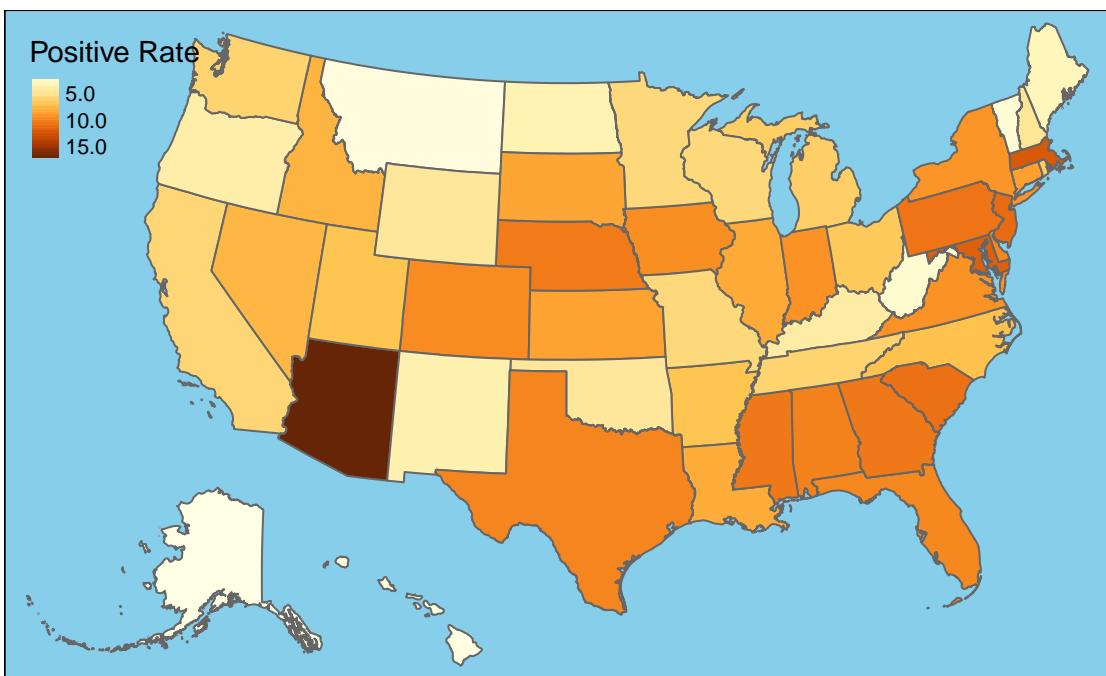
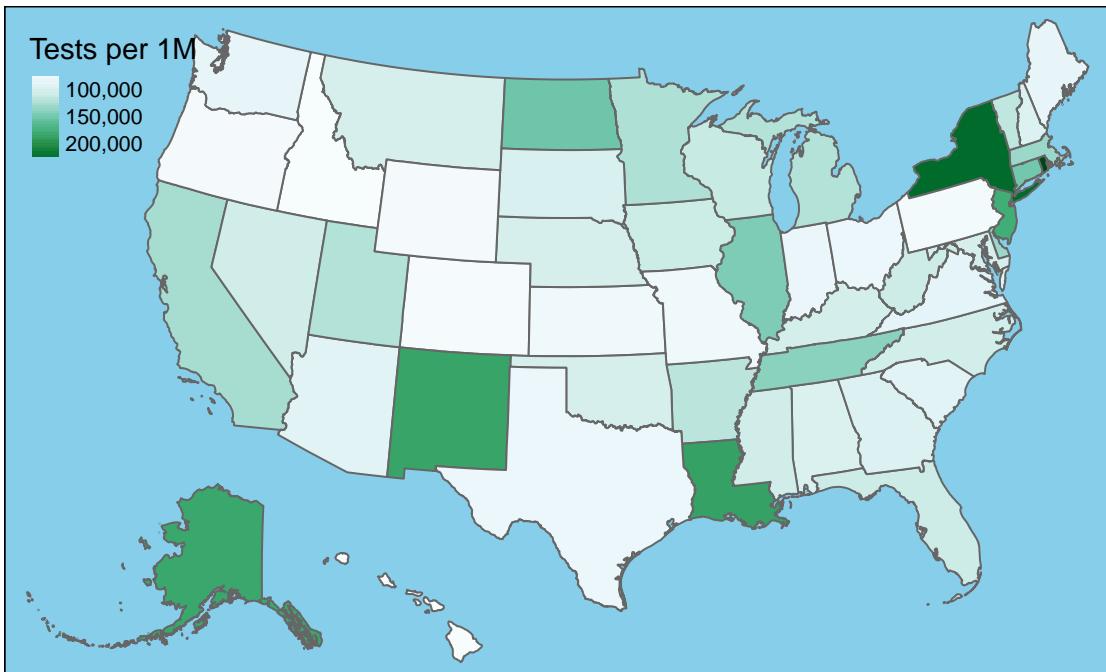


Testing



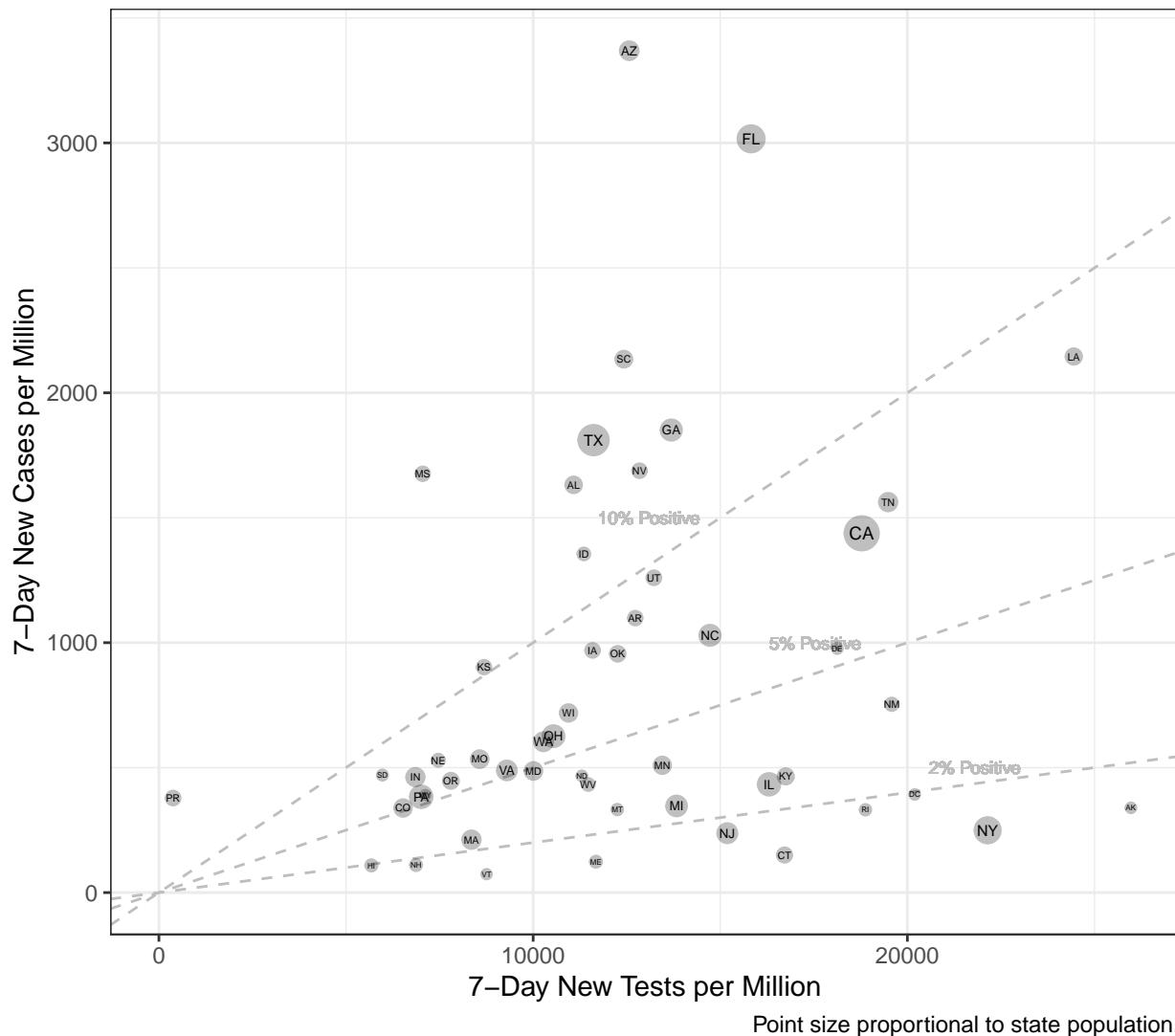
New Tests by State





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



Point size proportional to state population.

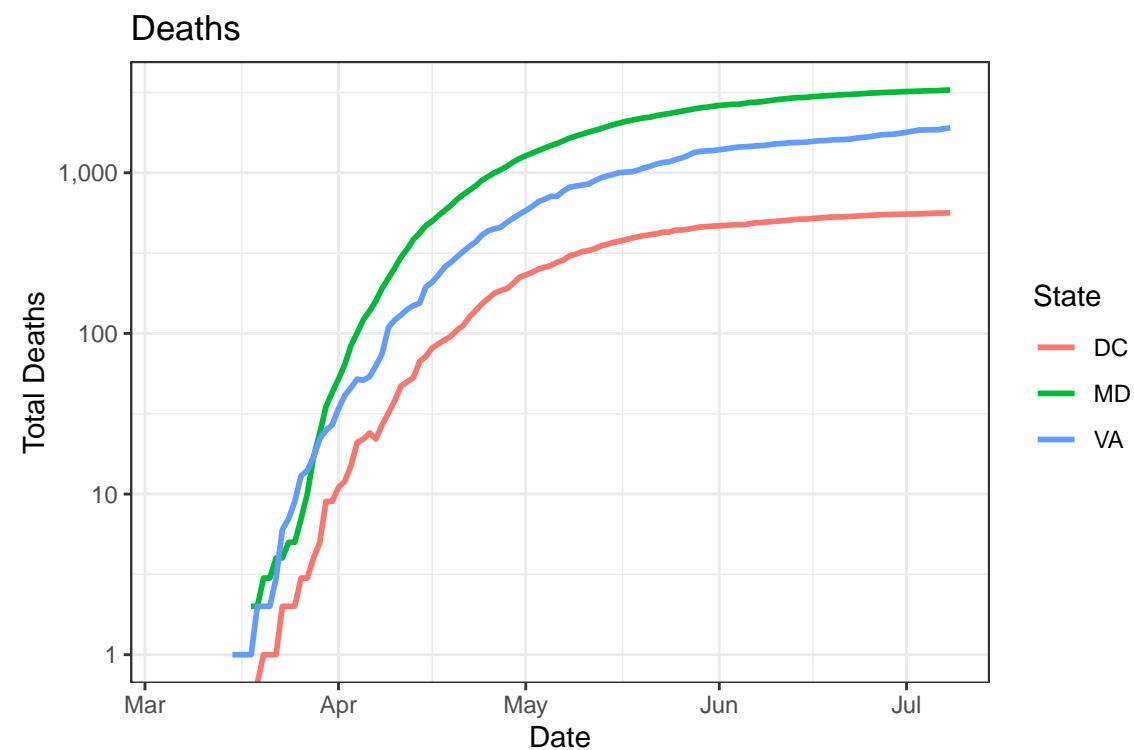
Local Data

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

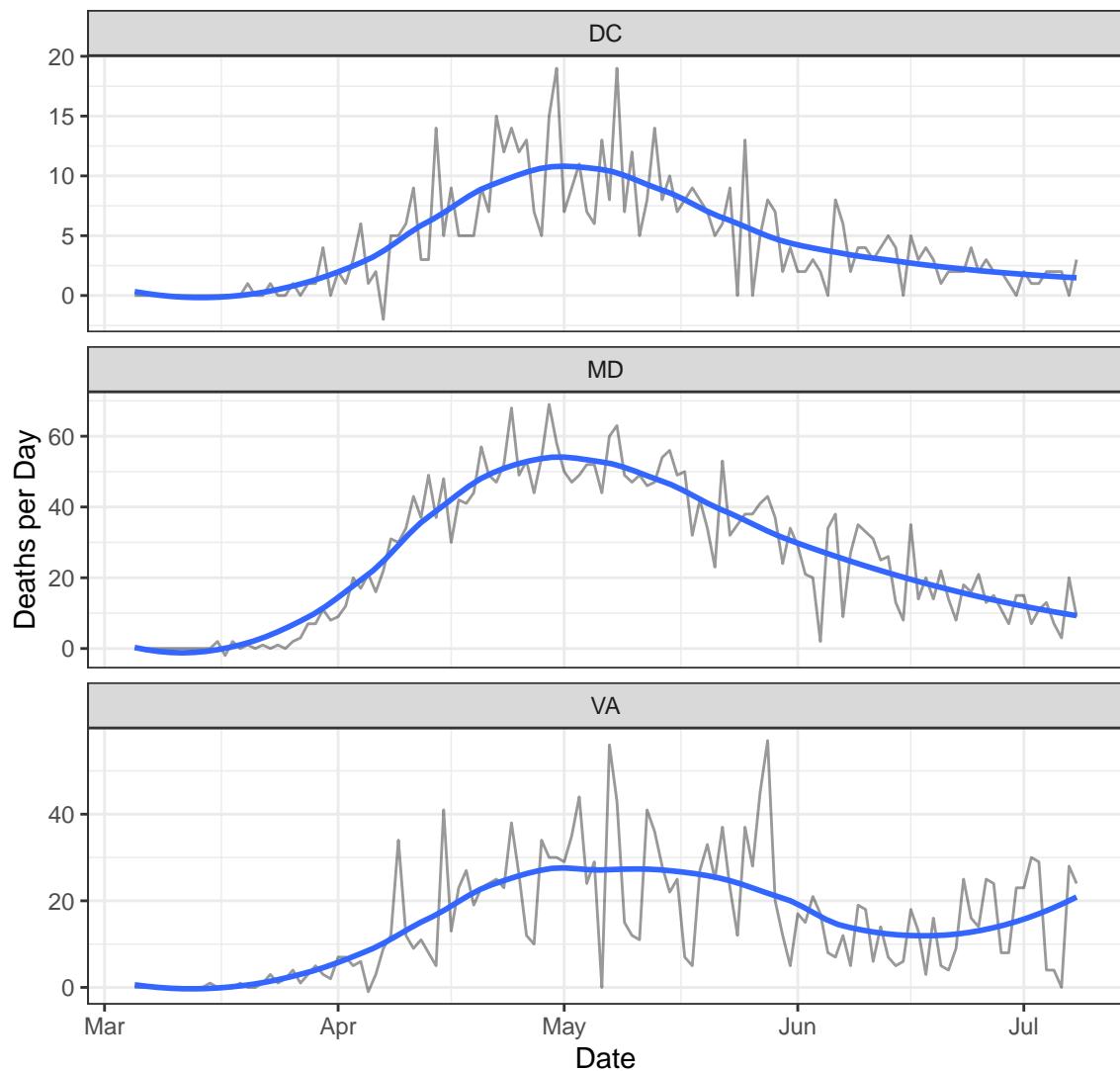
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,642	564	73	3
MD	70,861	3,275	465	9
VA	67,375	1,905	635	24

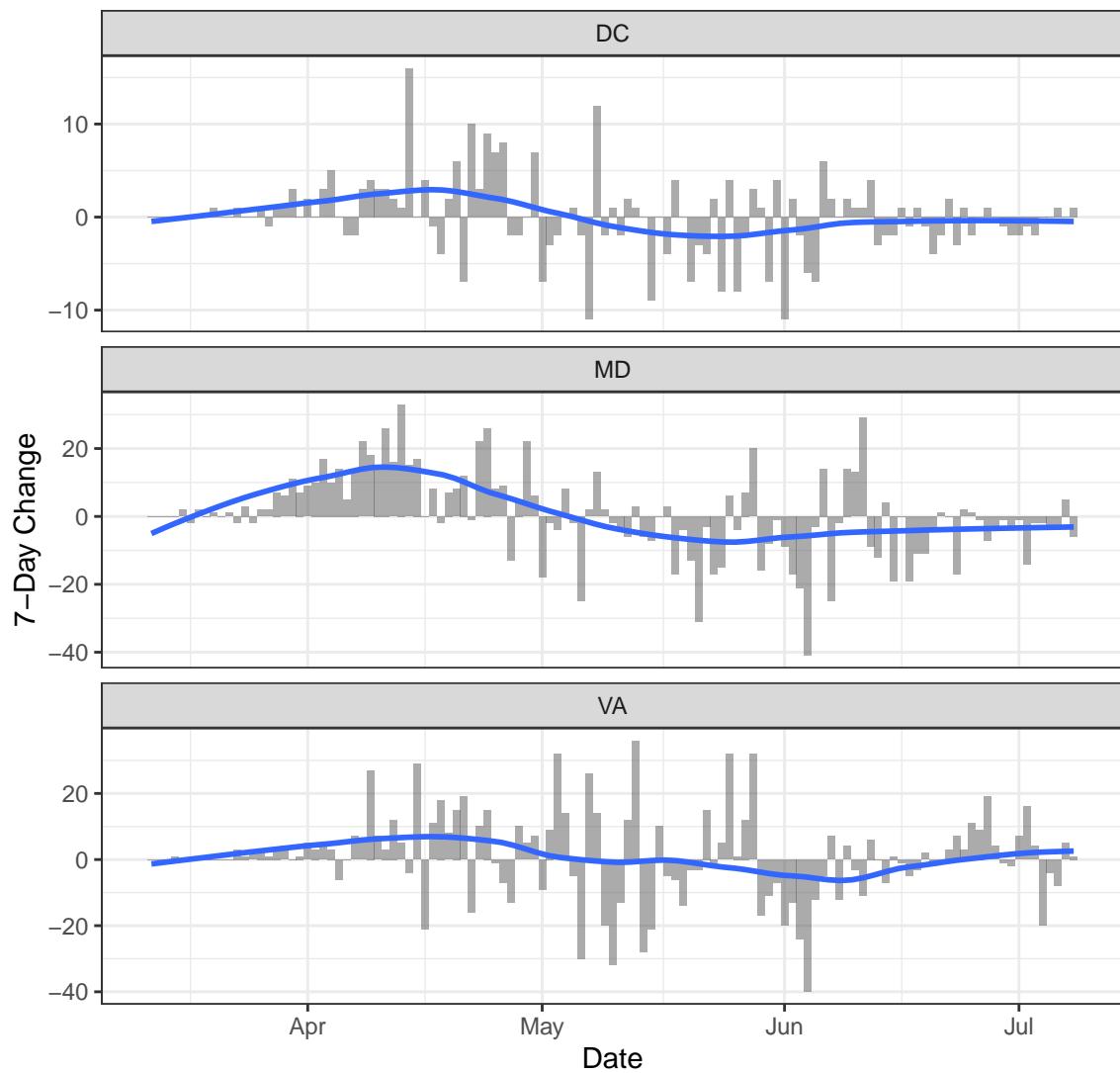
Deaths

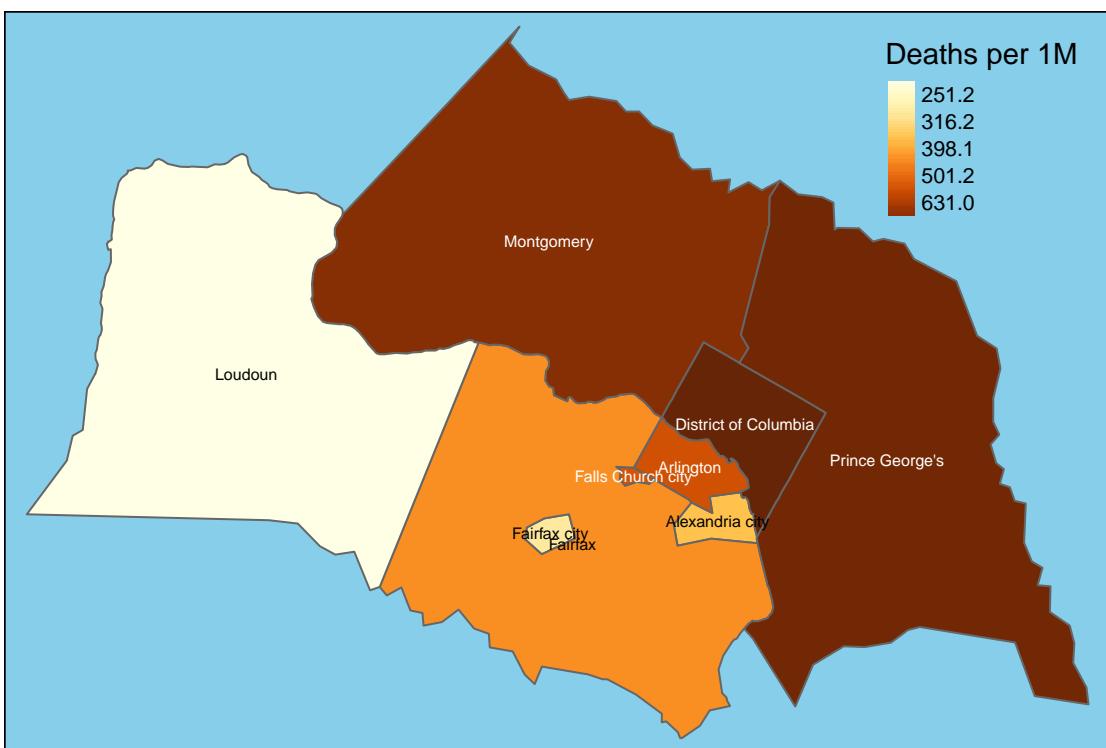
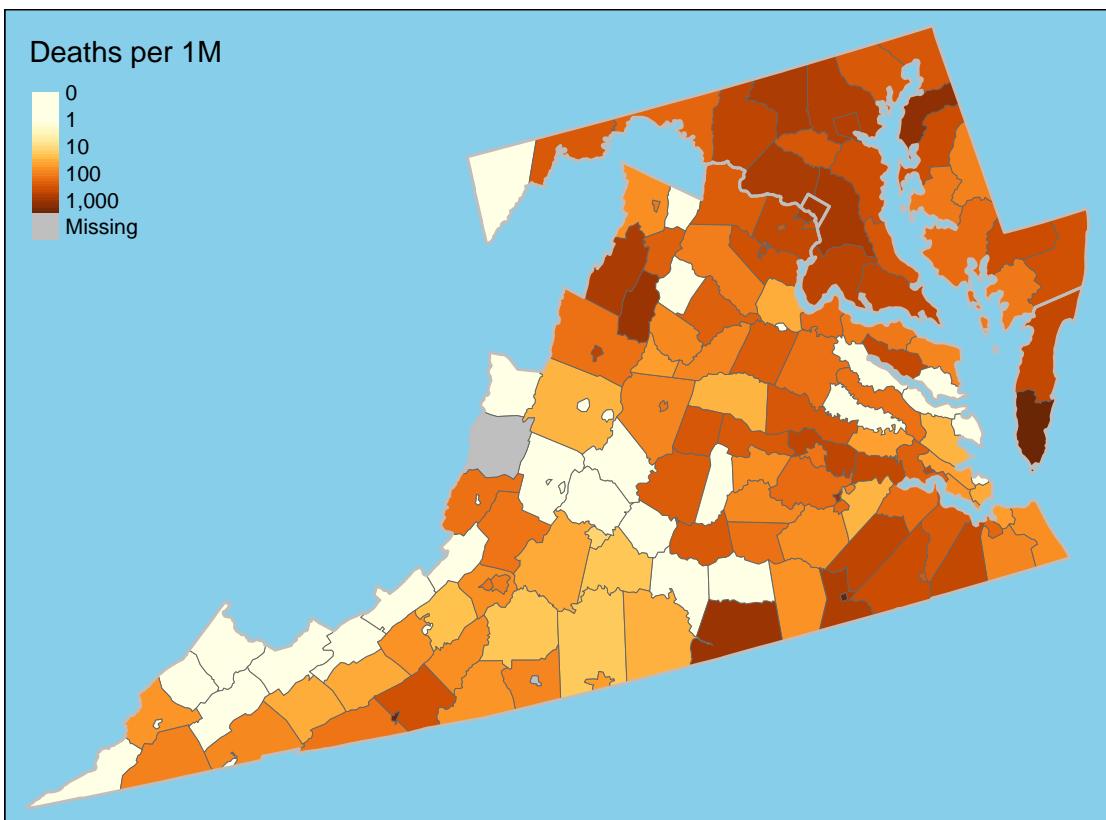


New Deaths

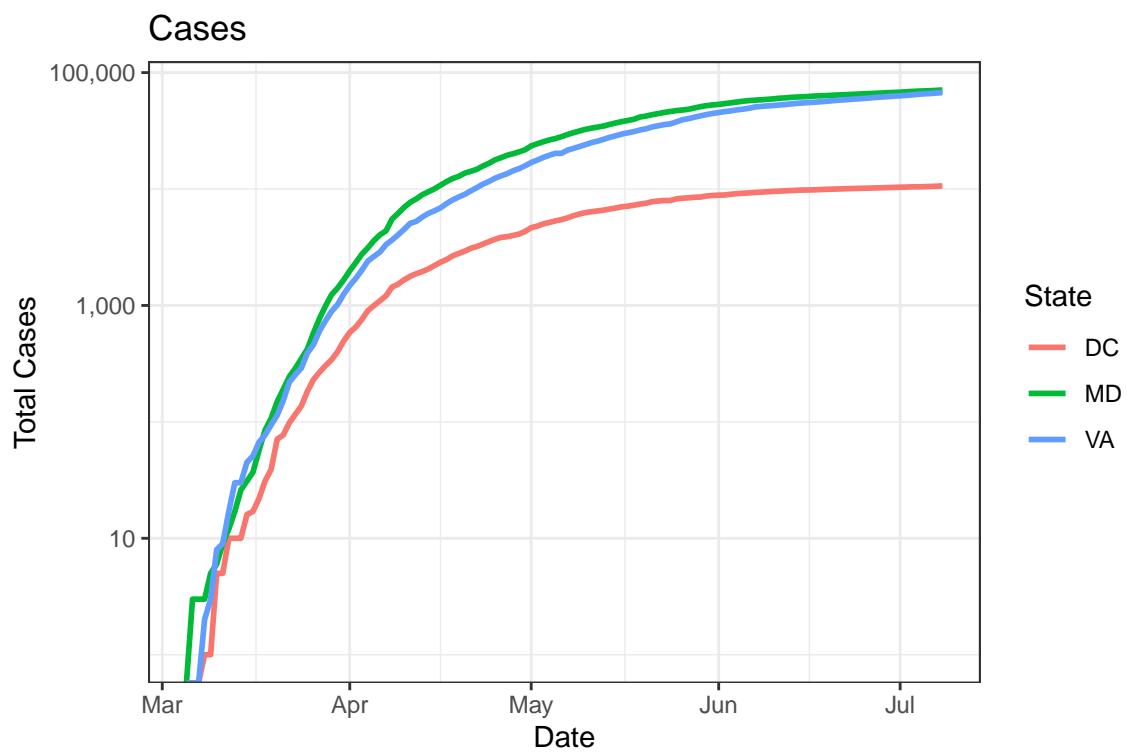


One-Week Change in Daily Deaths

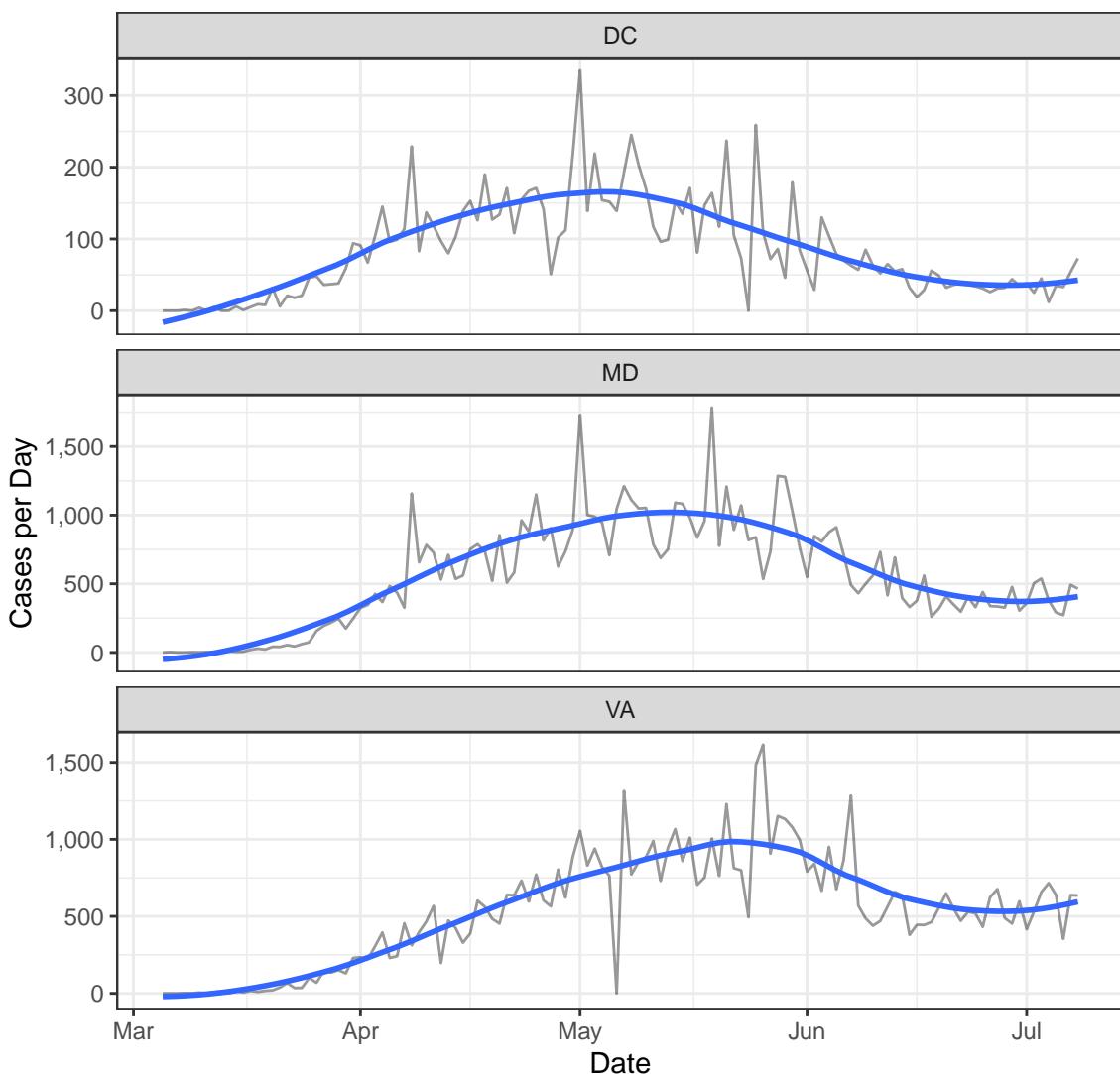




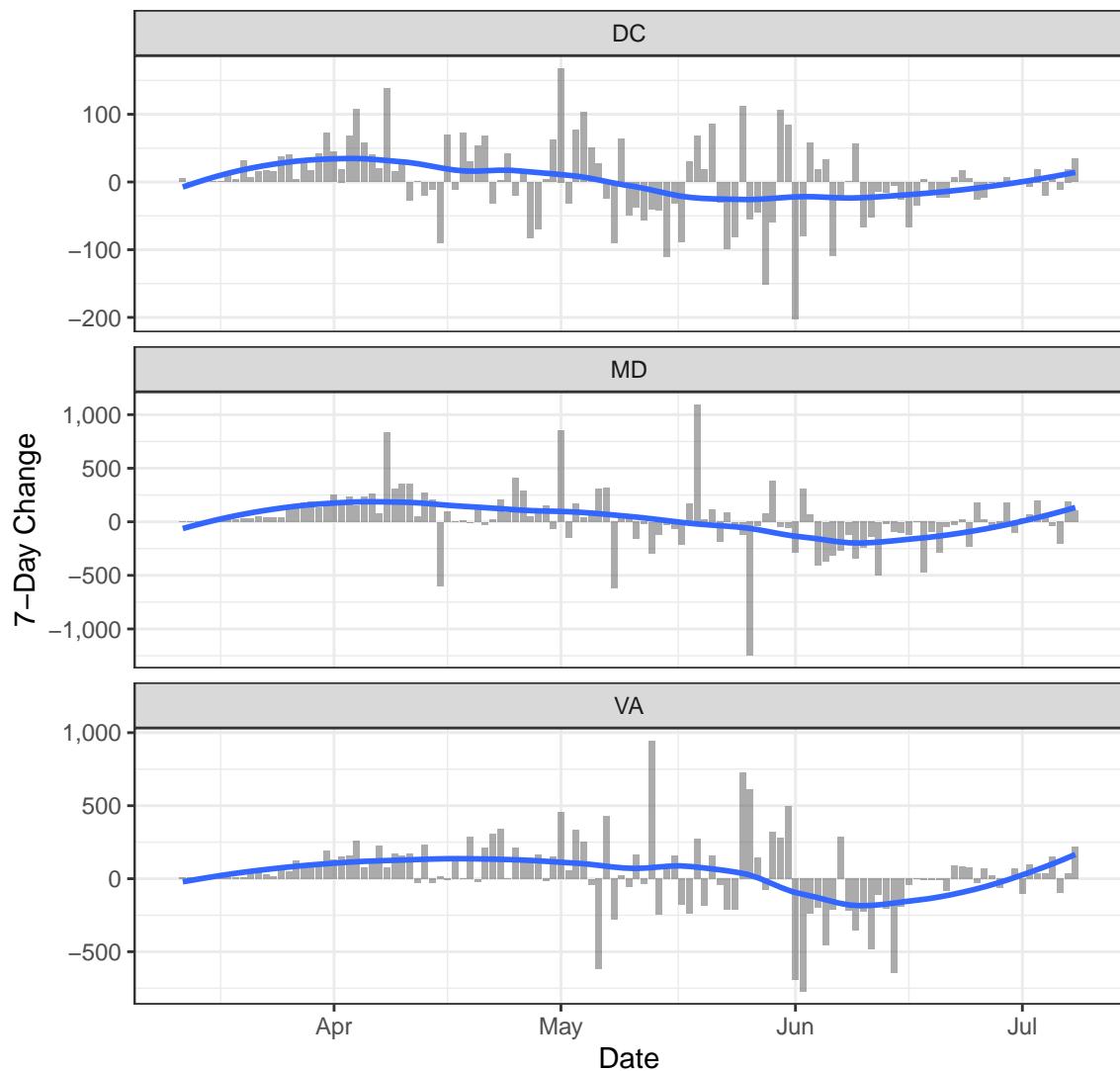
Cases

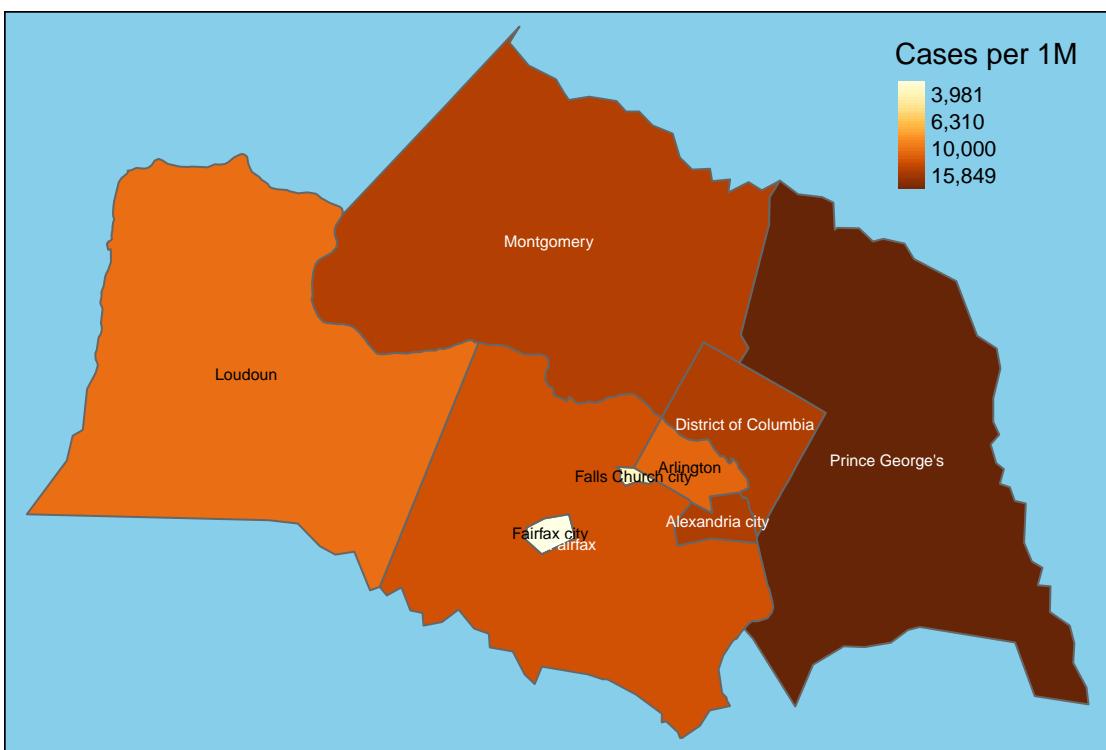
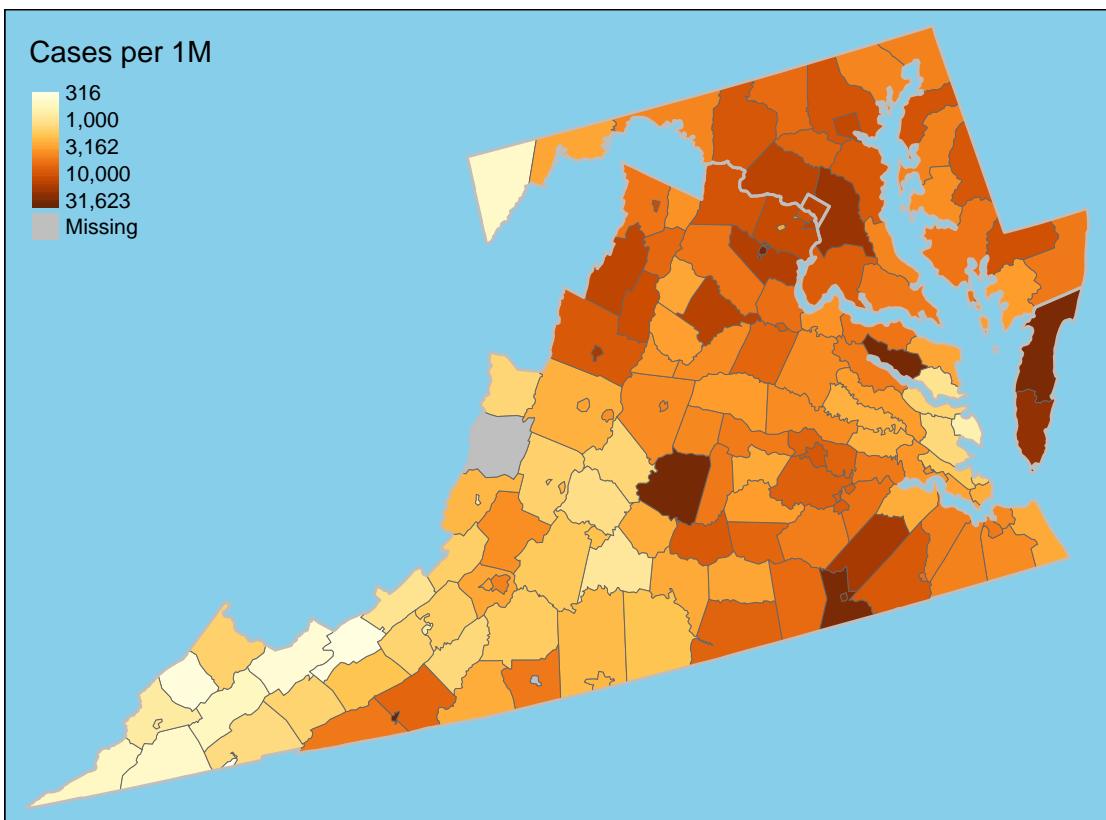


New Cases

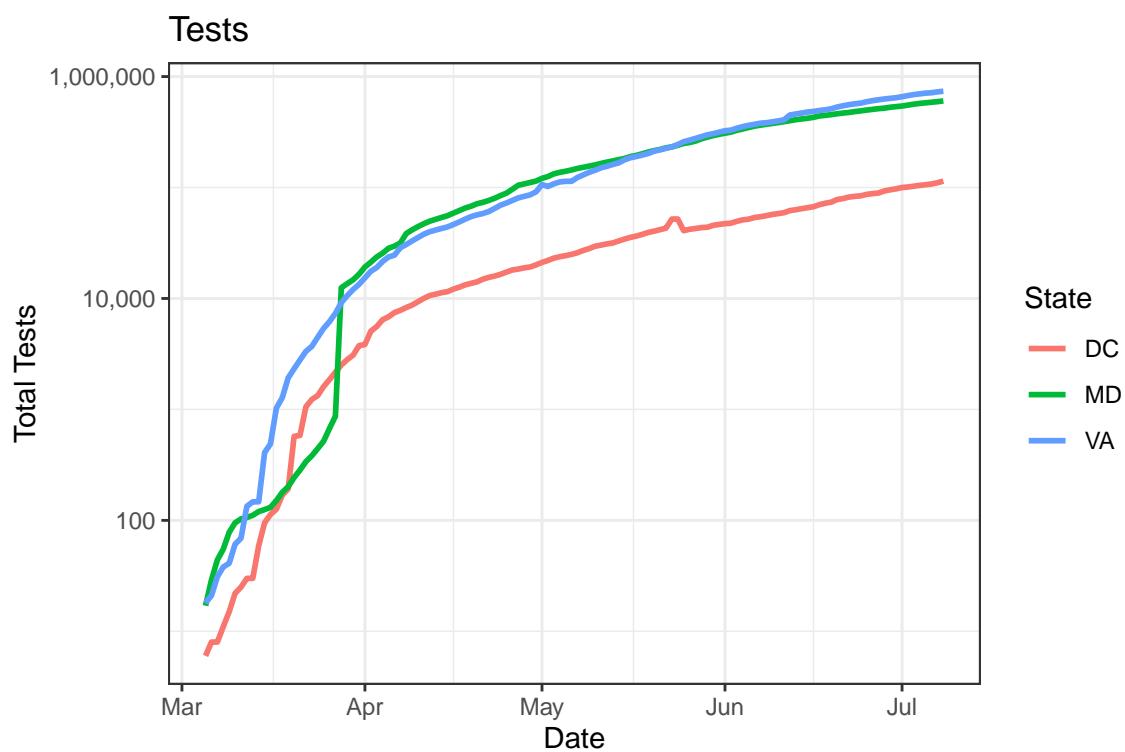


One-Week Change in Daily Cases

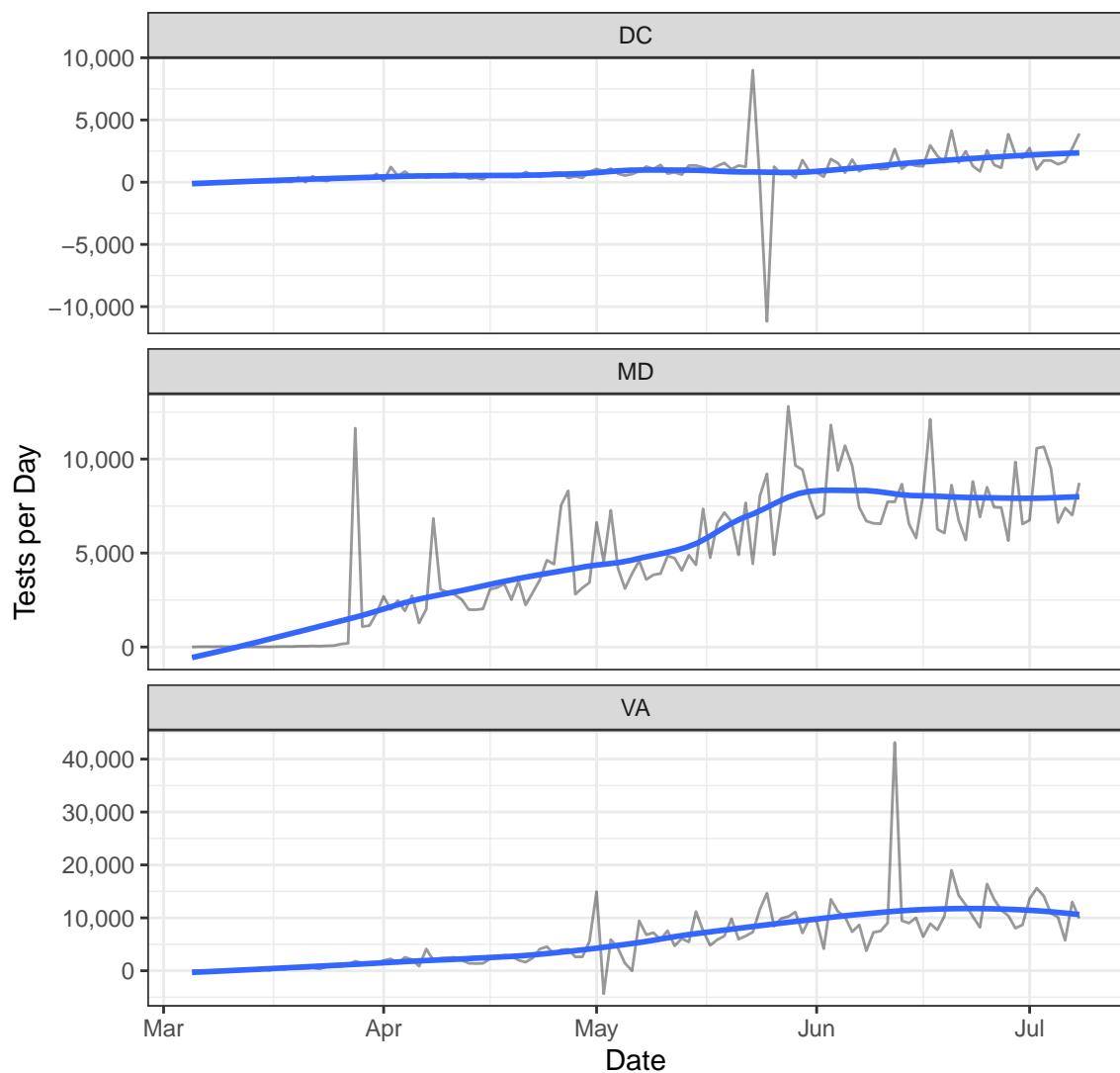




Testing



New Tests



Positive Test Rate

