

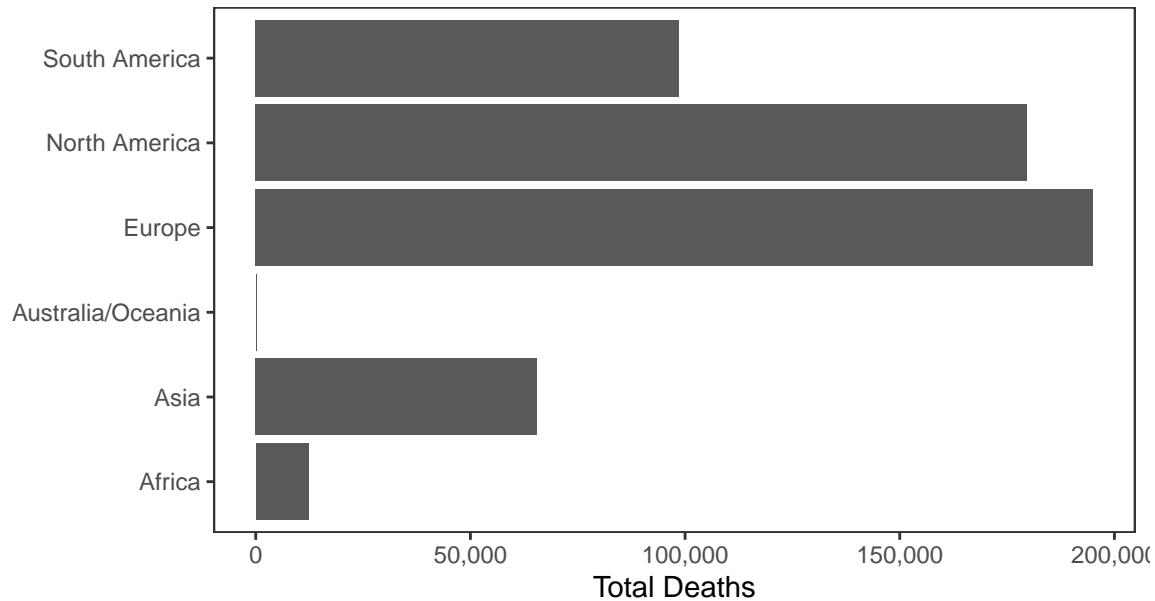
Erik's Covid-19 Chart Pack

Data updated 2020-07-09 19:15:25. 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 12,156,029 confirmed Covid-19 cases and 551,197 deaths worldwide.

Deaths



Cases

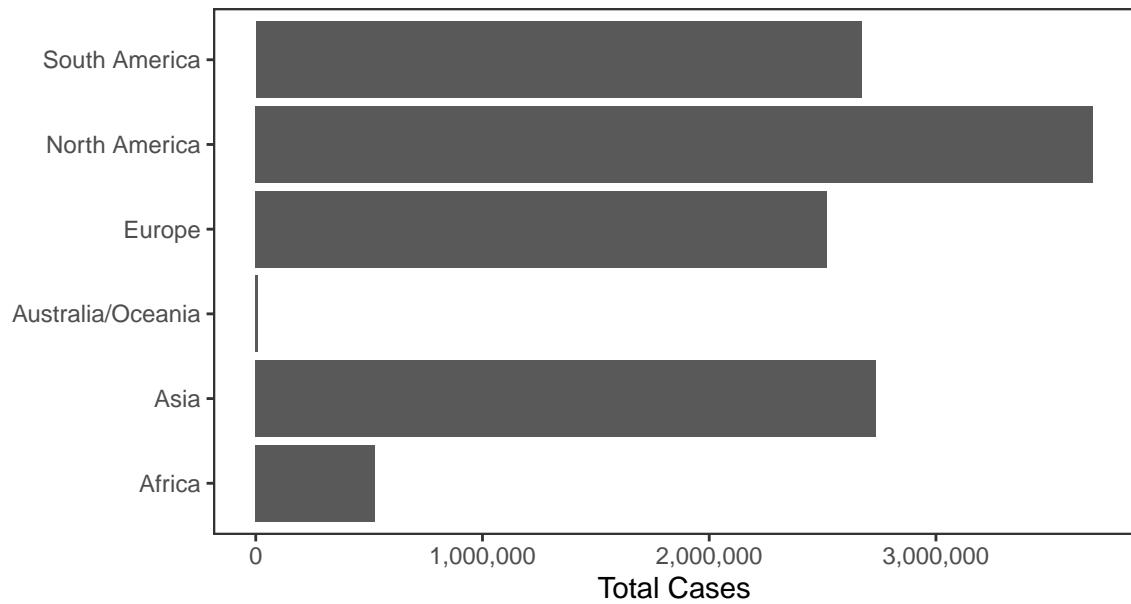
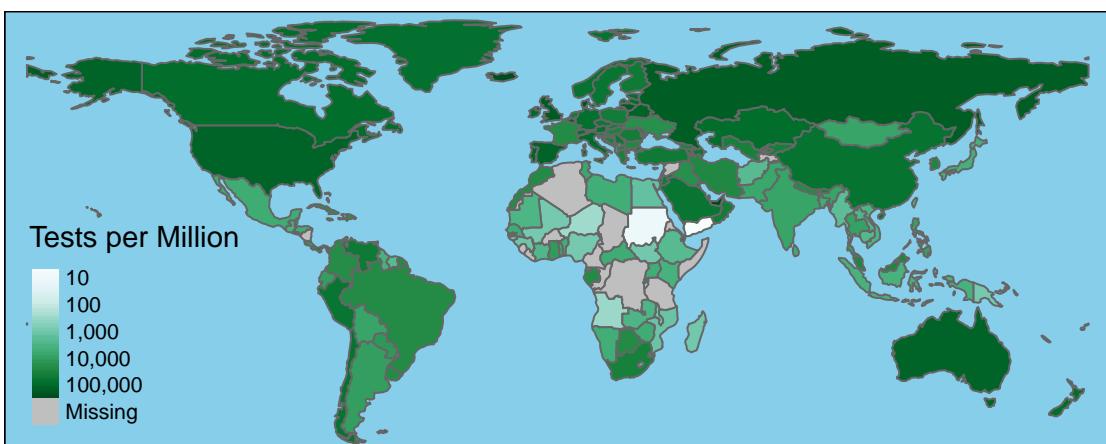
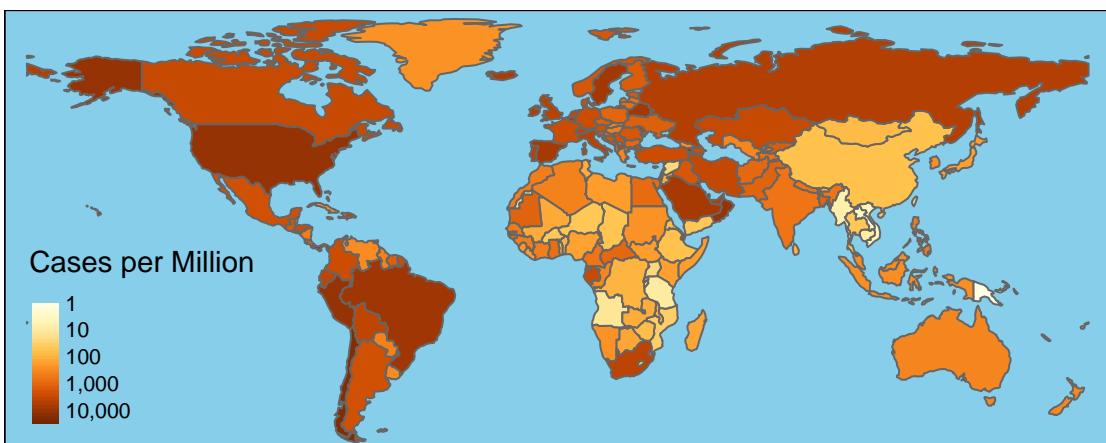
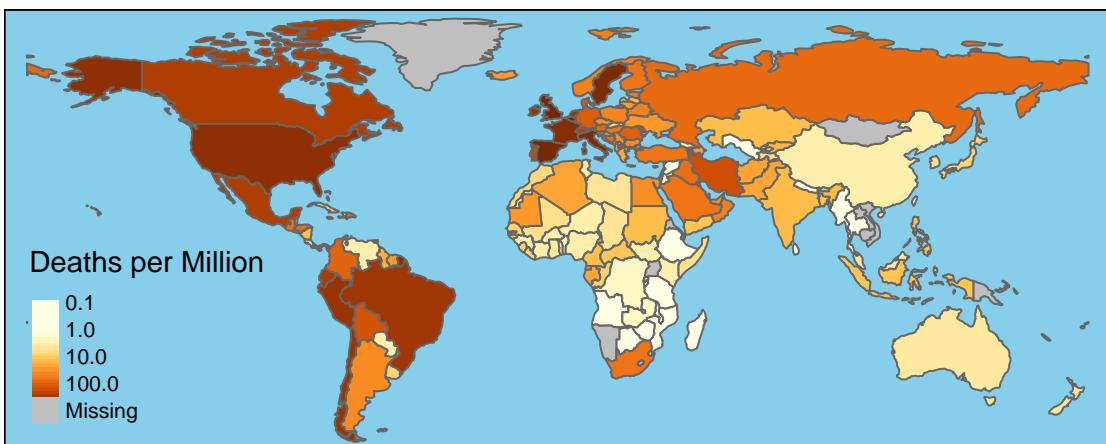


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,158,932	134,862	61,848	890
Brazil	1,716,196	68,055	41,541	1,187
India	769,052	21,144	25,571	491
Russia	700,792	10,667	6,562	173
Peru	312,911	11,133	3,633	181
Chile	303,083	6,573	2,064	139
Spain	299,593	28,396	383	4
UK	286,979	44,517	630	126
Mexico	268,008	32,014	6,258	895
Iran	248,379	12,084	2,691	153
Italy	242,149	34,914	193	15
Pakistan	237,489	4,922	2,980	83
South Africa	224,665	3,602	8,810	100
Saudi Arabia	220,144	2,059	3,036	42
Turkey	208,938	5,282	1,041	22
Germany	198,765	9,115	410	12
Bangladesh	172,134	2,197	3,489	46
France	169,473	29,965	663	32
Colombia	128,638	4,527	4,144	168
Canada	106,434	8,737	267	26



National Data

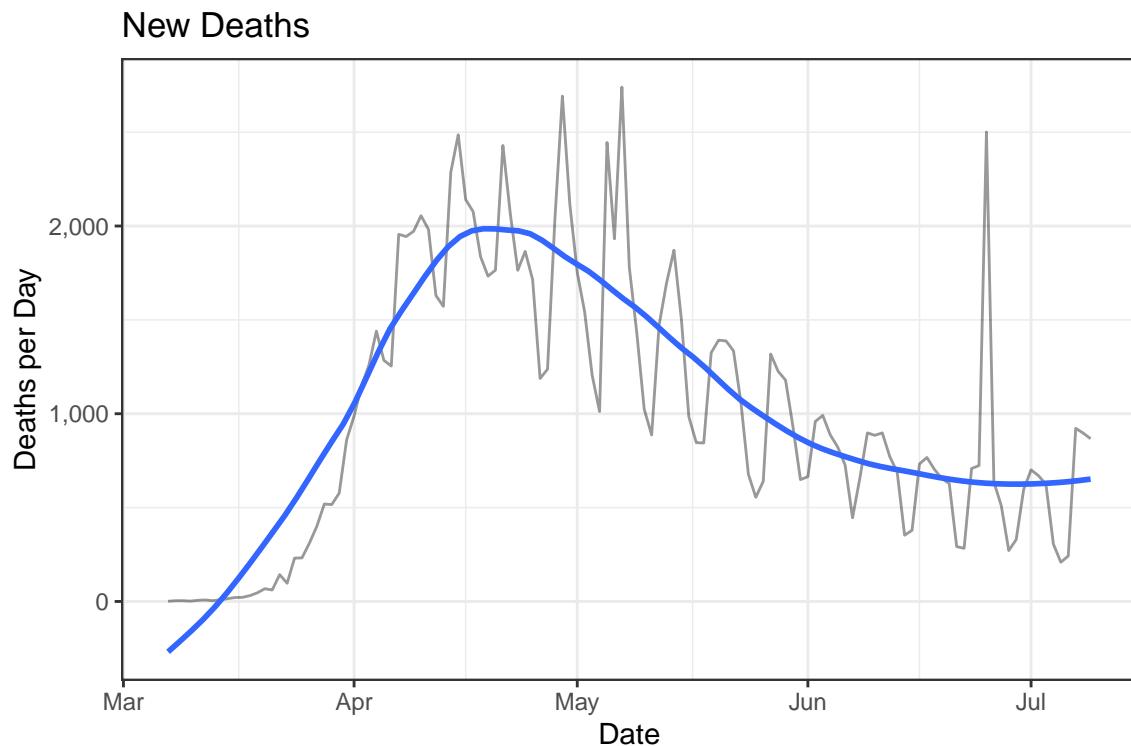
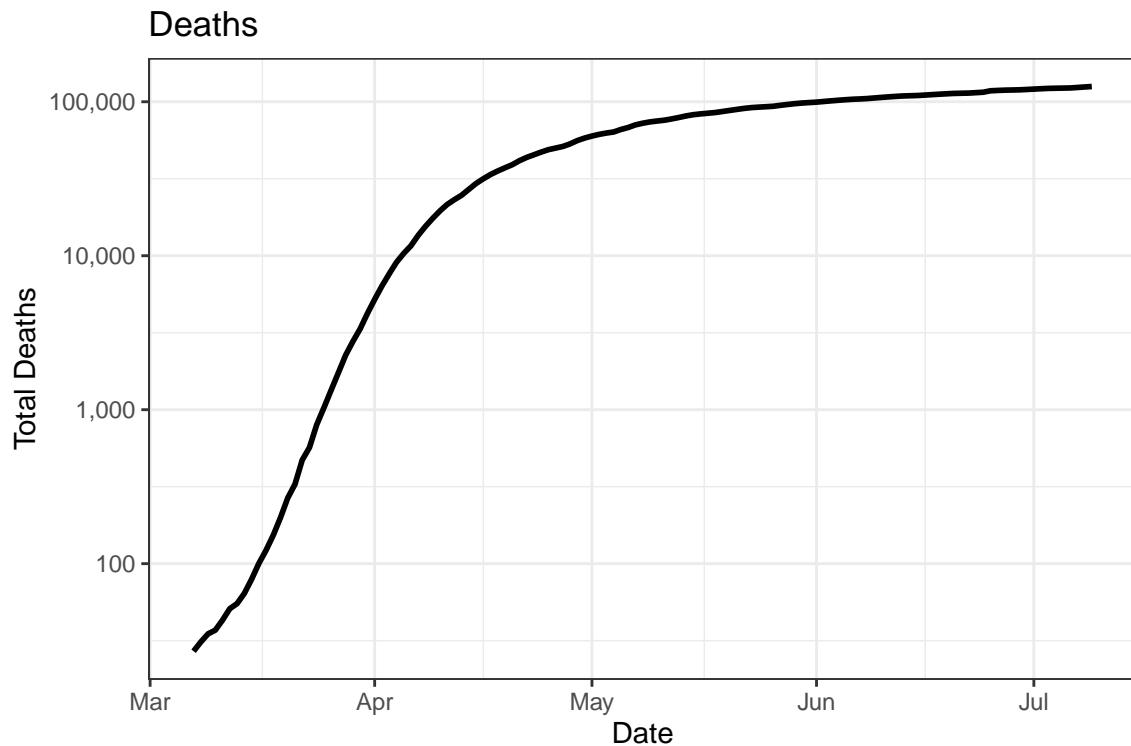
There have been 3,101,339 confirmed Covid-19 cases and 125,590 deaths in the United States.

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

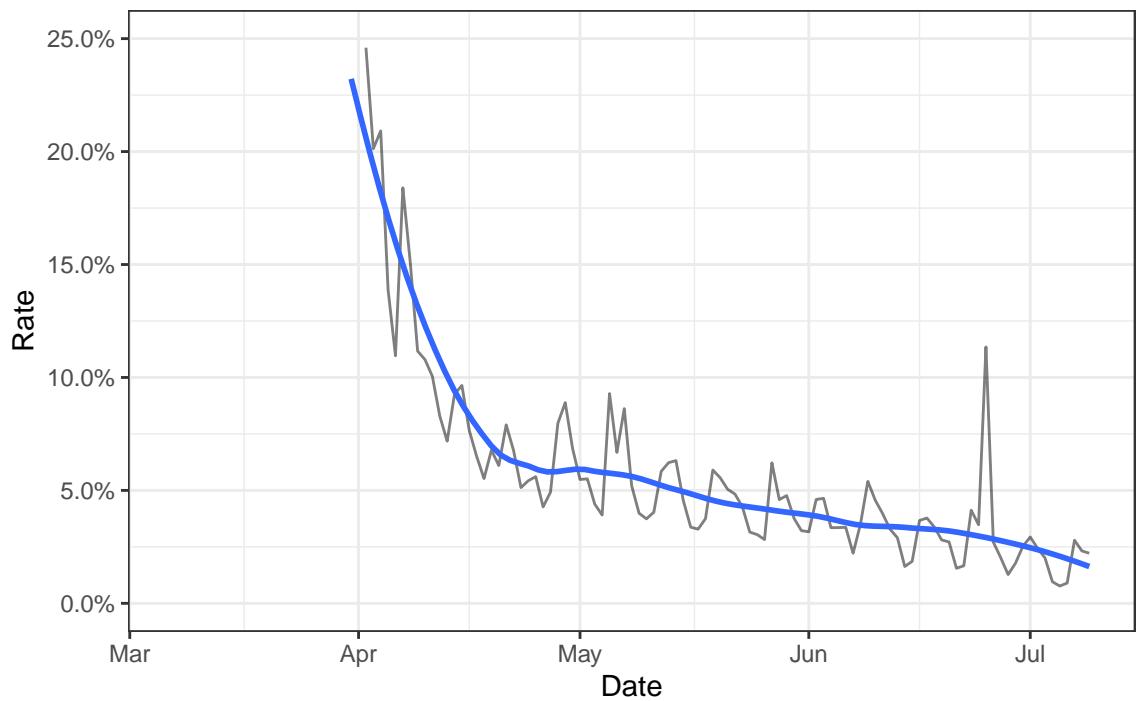
Date	Cases	Deaths	New Cases	New Deaths
2020-07-09	3,101,339	125,590	58,836	867
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922
2020-07-06	2,928,590	122,904	47,430	242
2020-07-05	2,881,160	122,662	42,602	209
2020-07-04	2,838,558	122,453	52,433	306
2020-07-03	2,786,125	122,147	57,534	624
2020-07-02	2,728,591	121,523	53,655	670
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
2020-06-28	2,541,157	119,226	42,183	271
2020-06-27	2,498,974	118,955	43,507	509
2020-06-26	2,455,467	118,446	44,421	636

Deaths

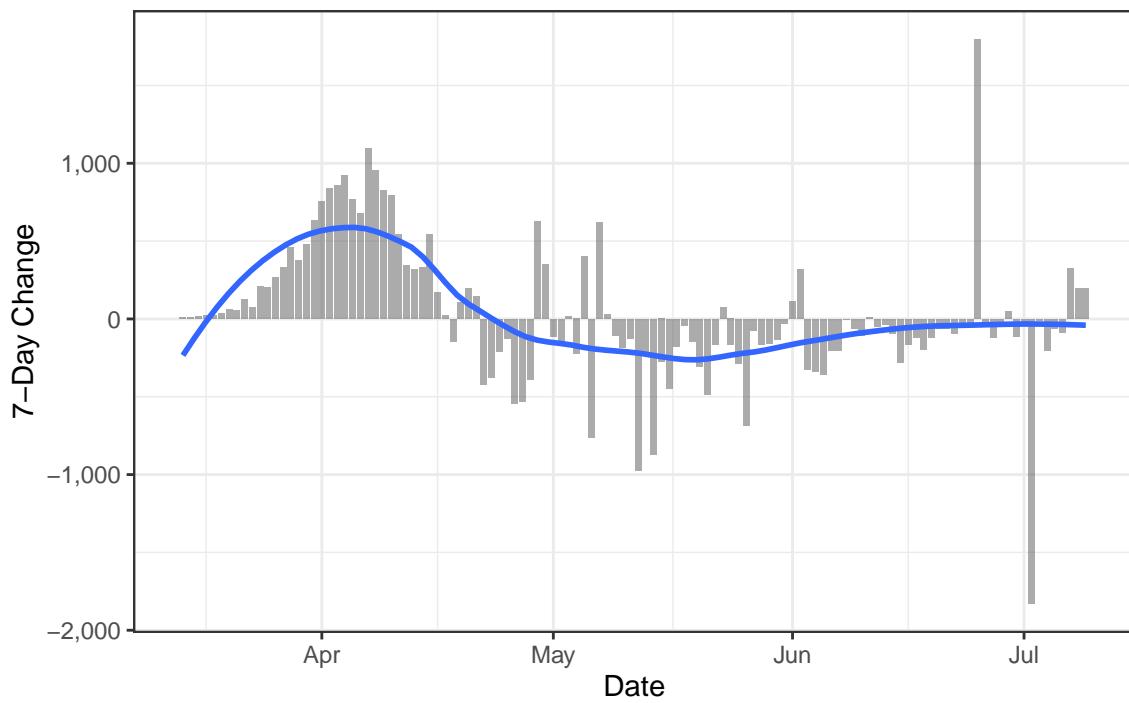
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

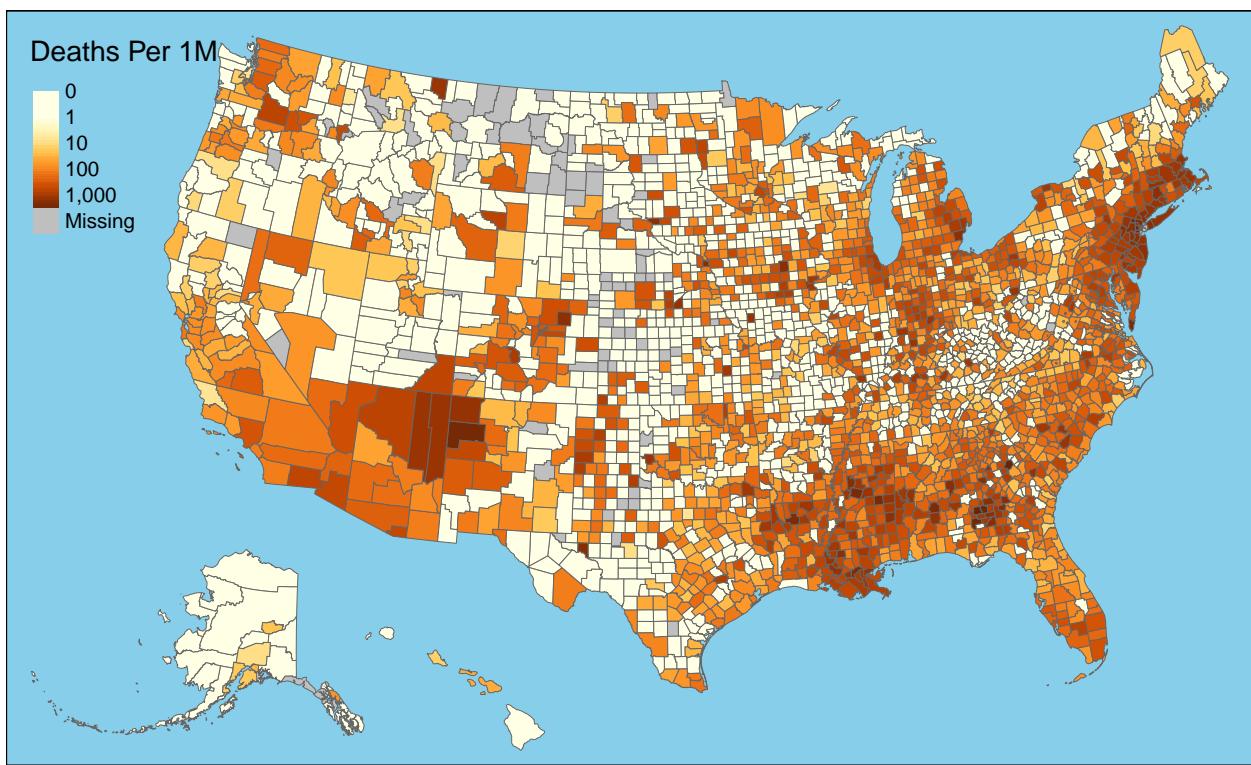


Daily Case Mortality Rate



One-Week Change in Daily Deaths

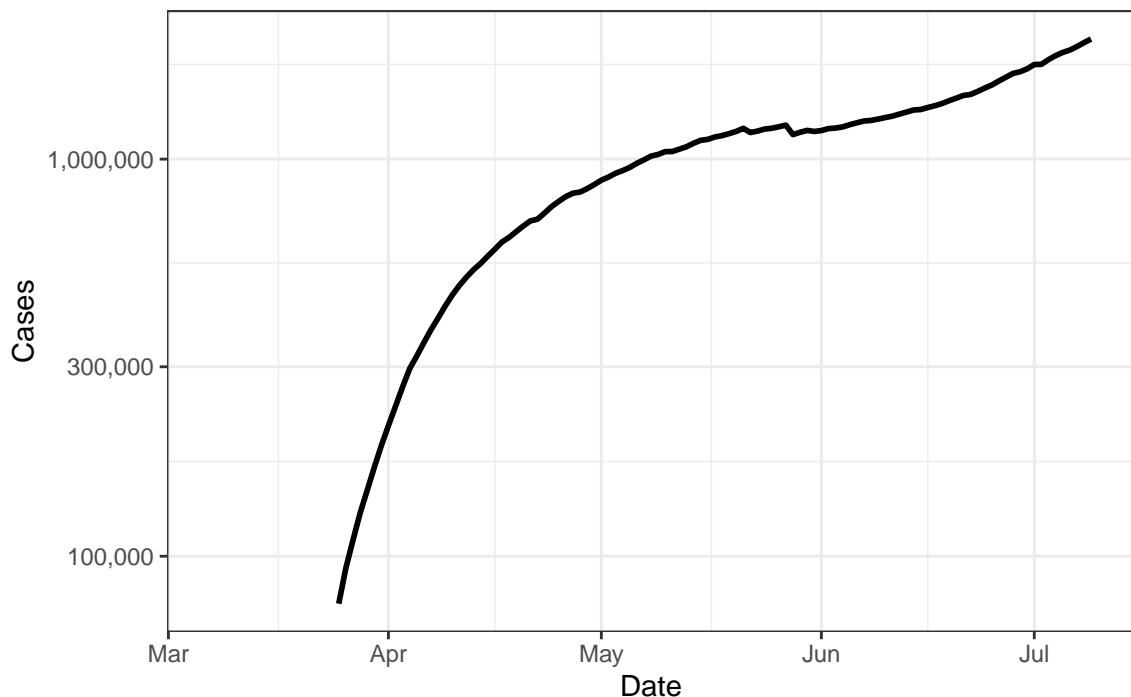




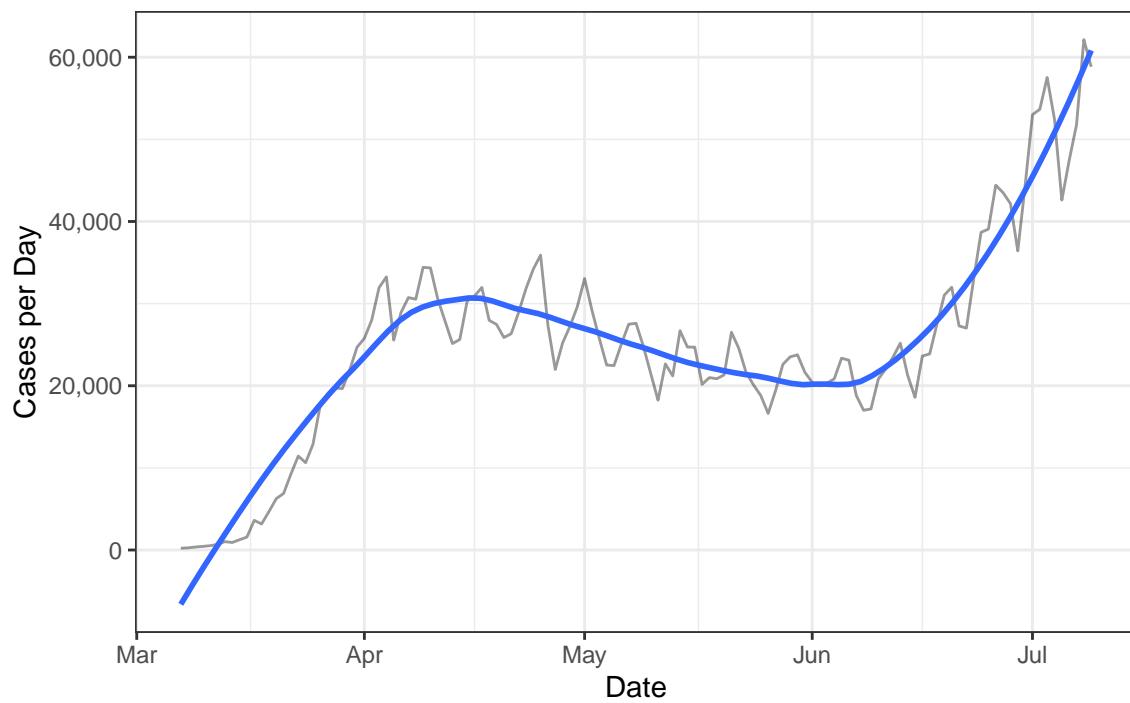
Cases

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

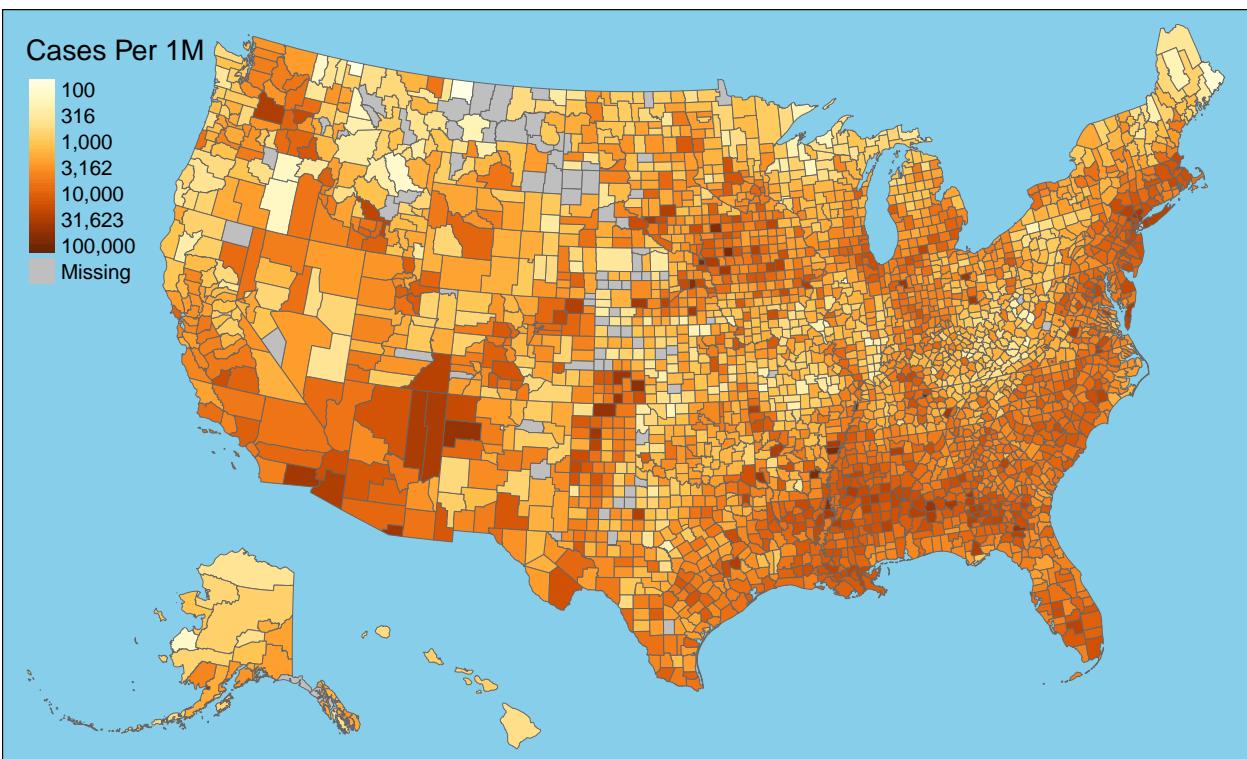
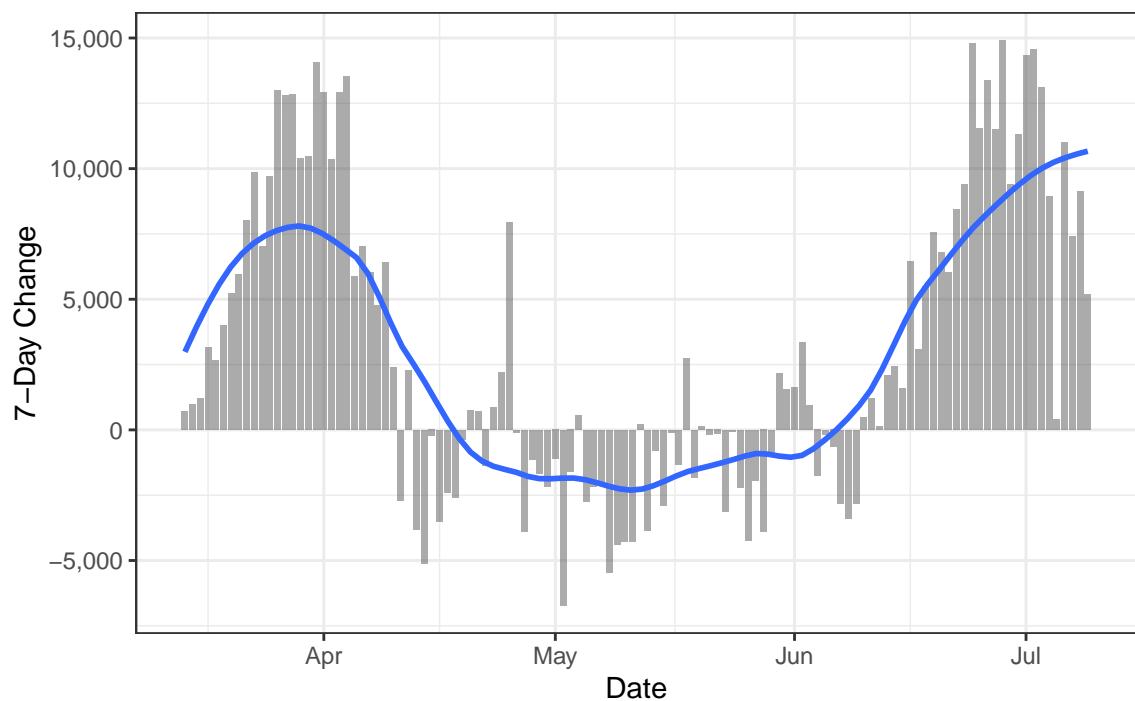
Active Cases



New Cases

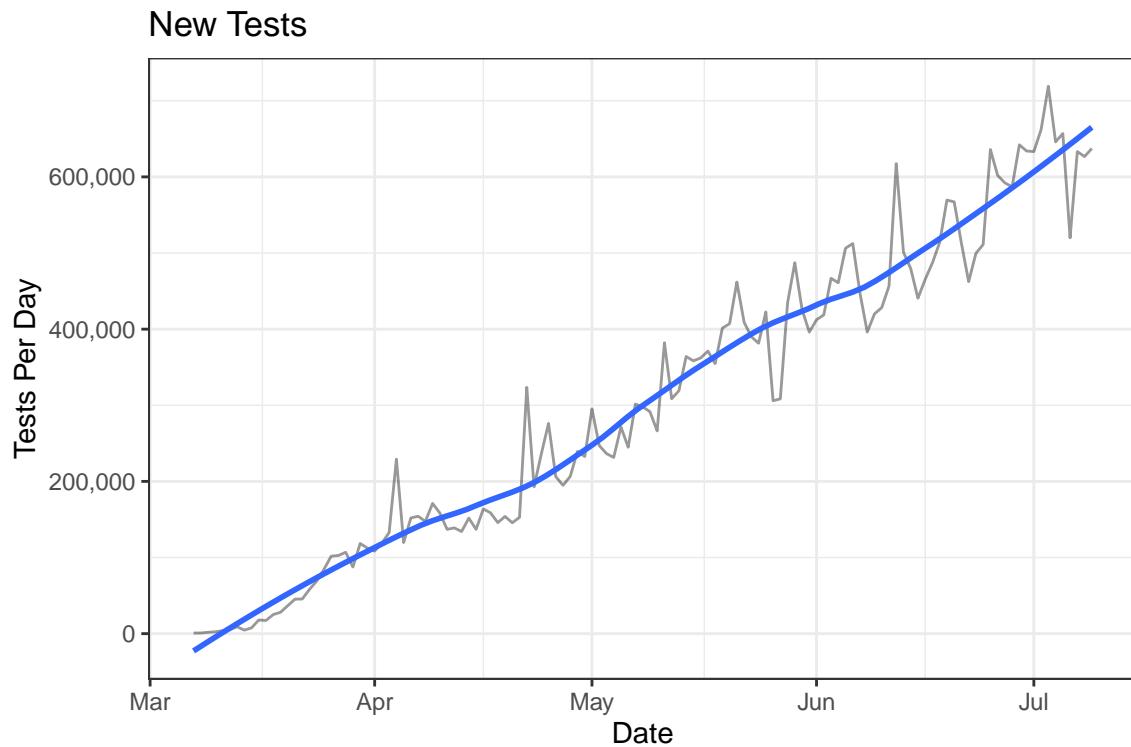
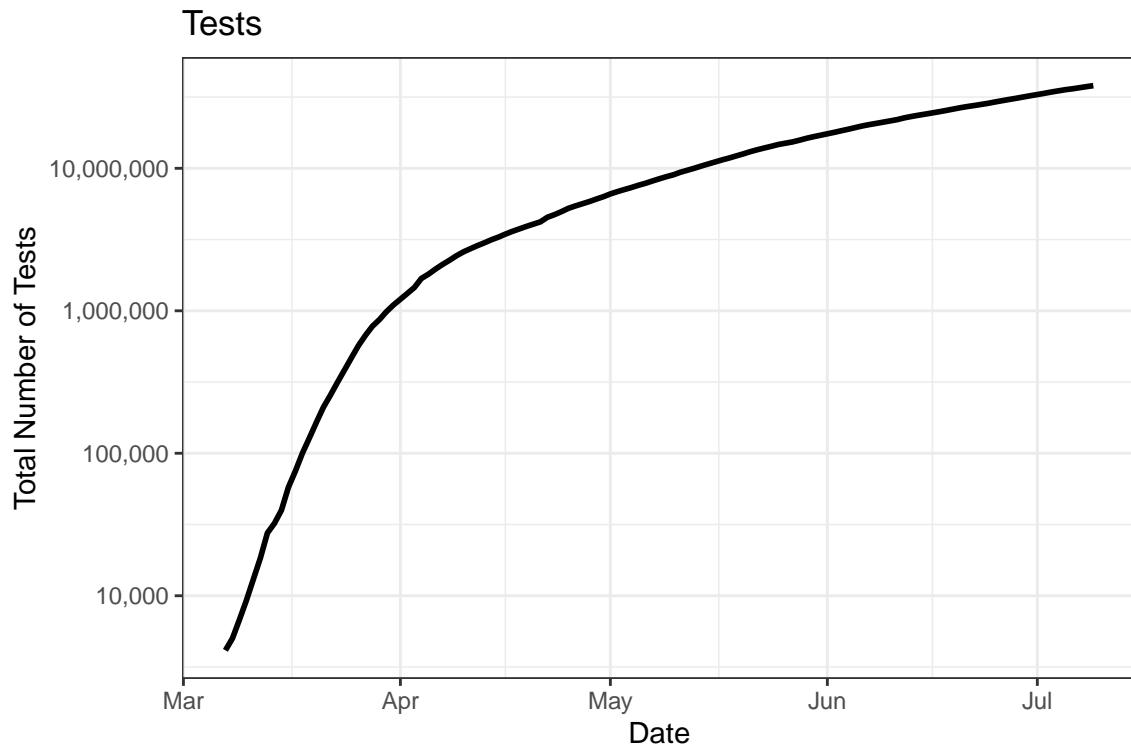


One-Week Change in Daily Cases

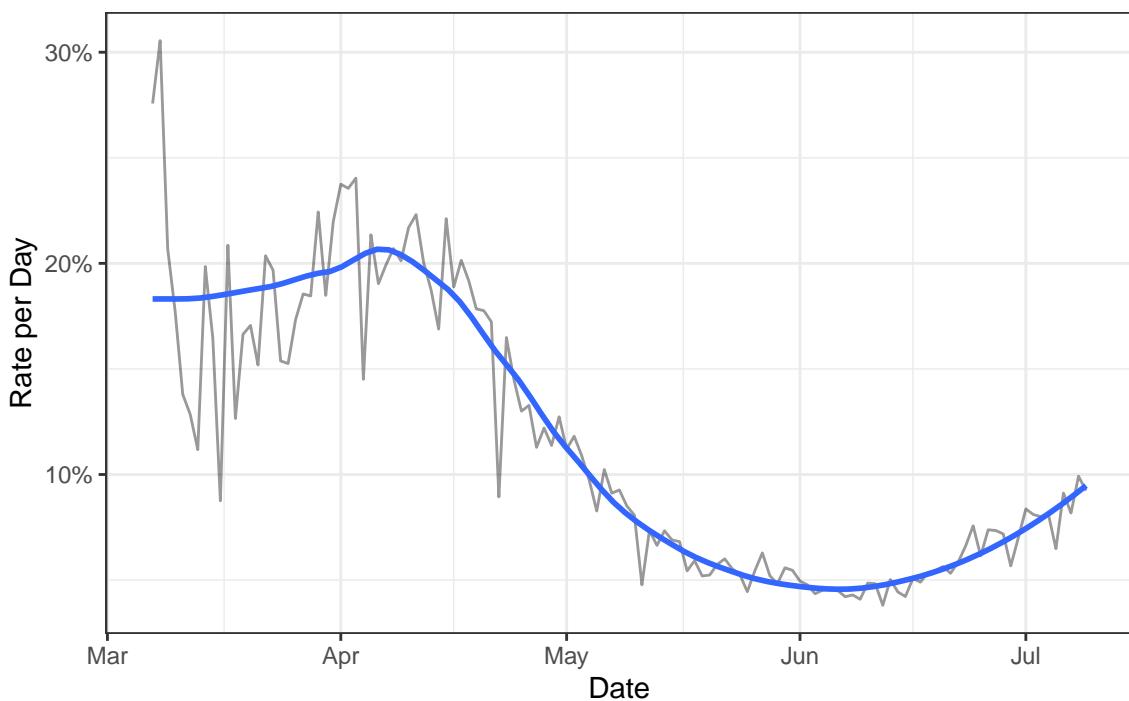


Testing

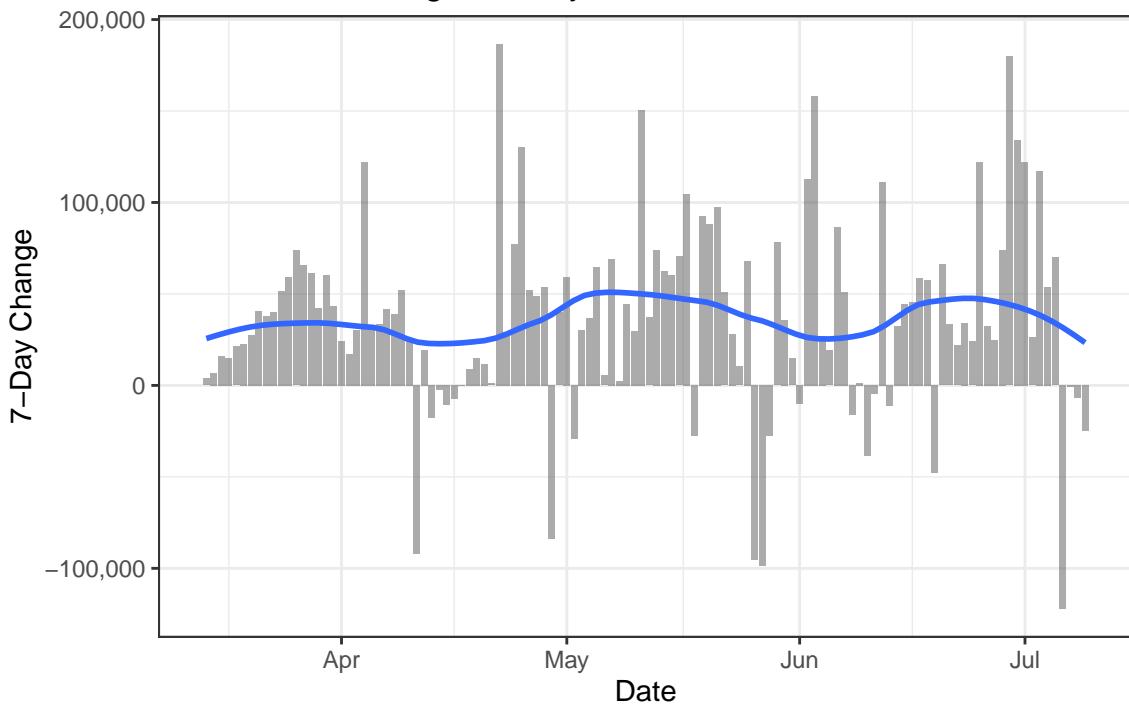
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

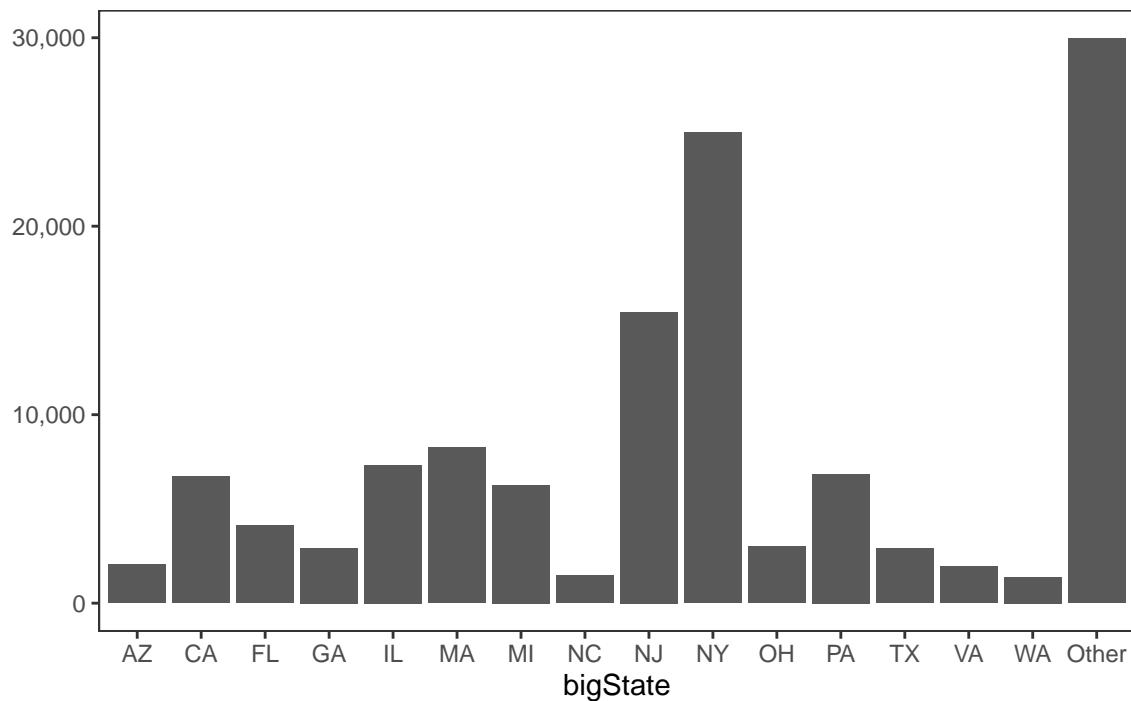


State Data

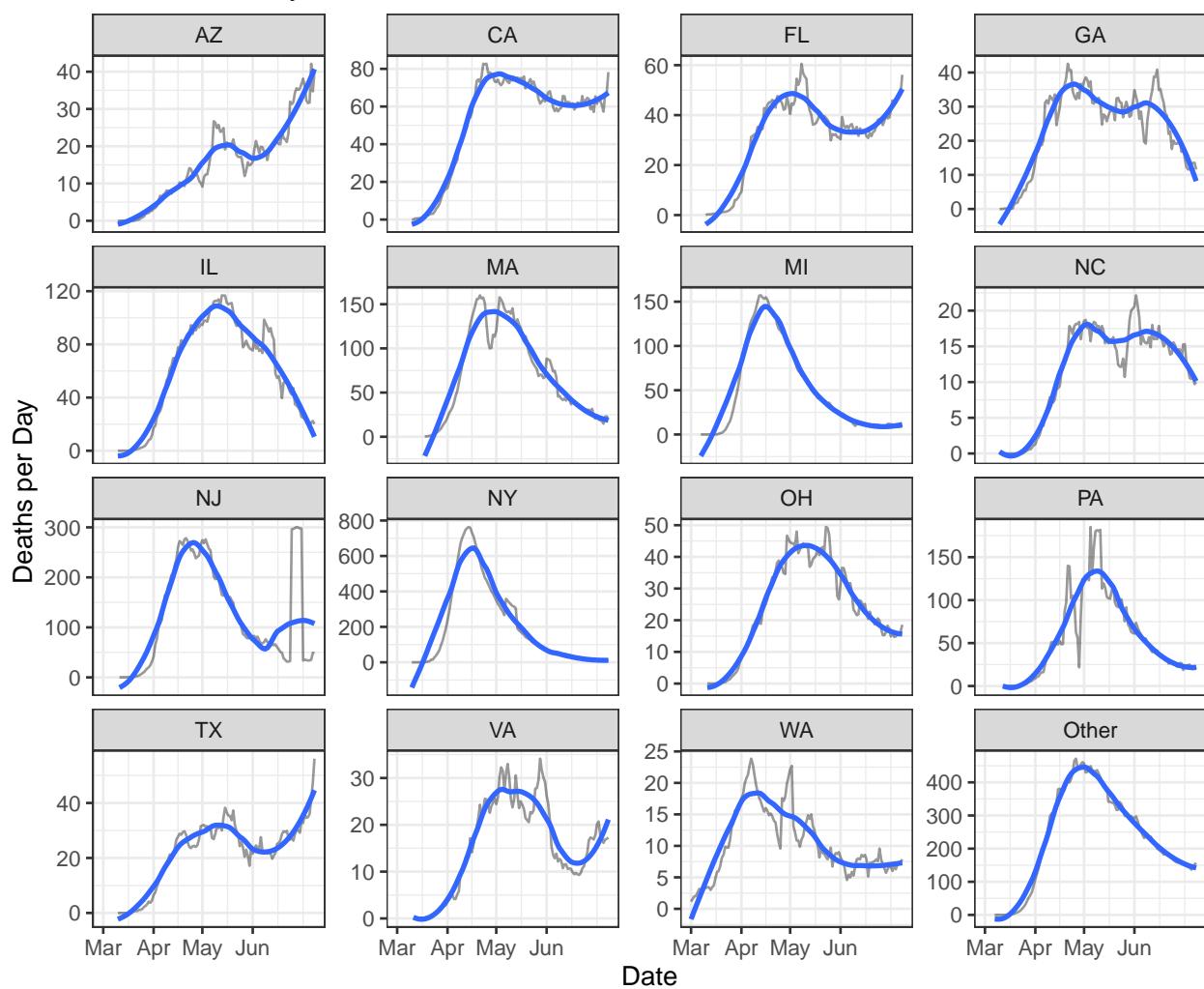
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

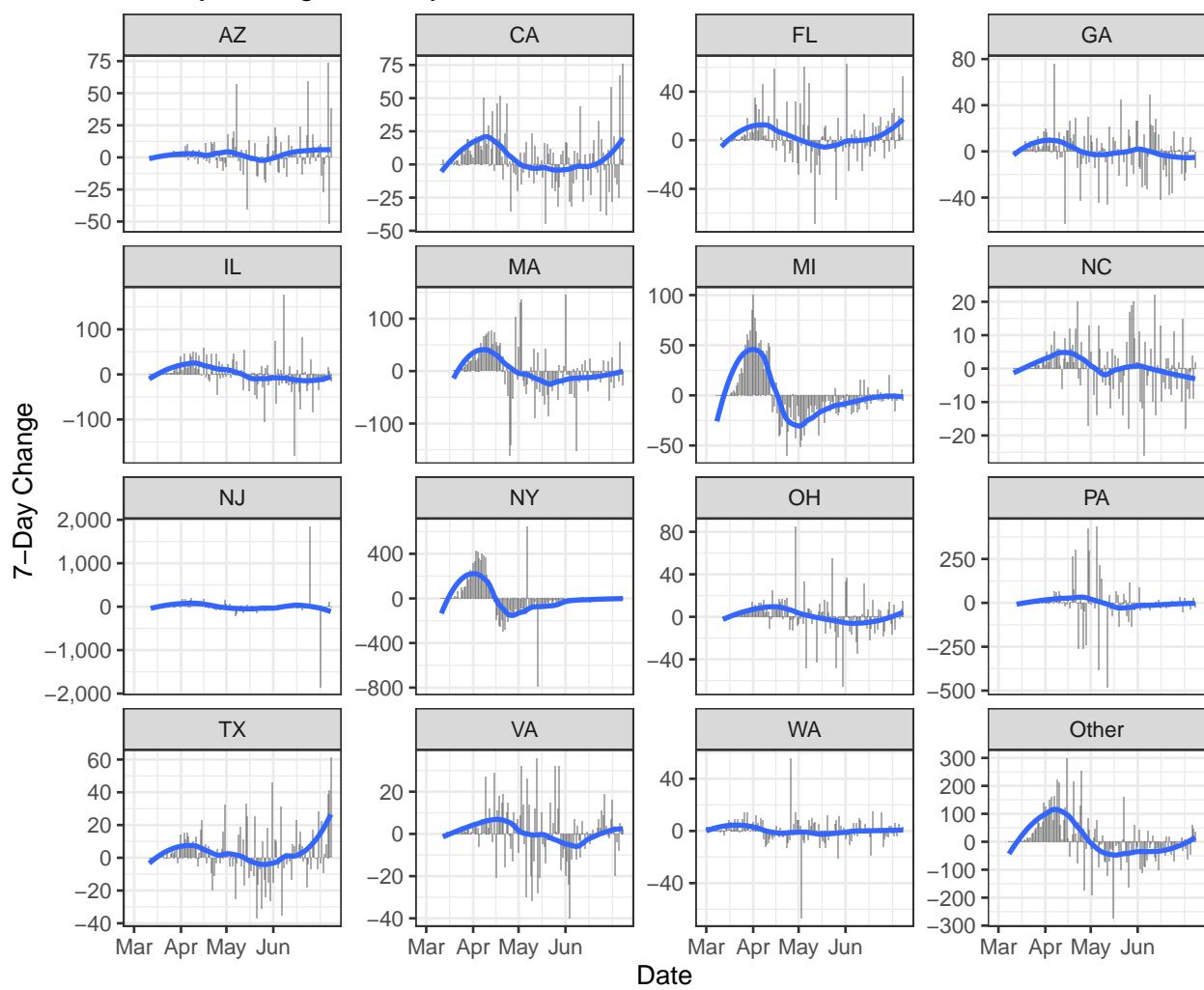
Deaths by State

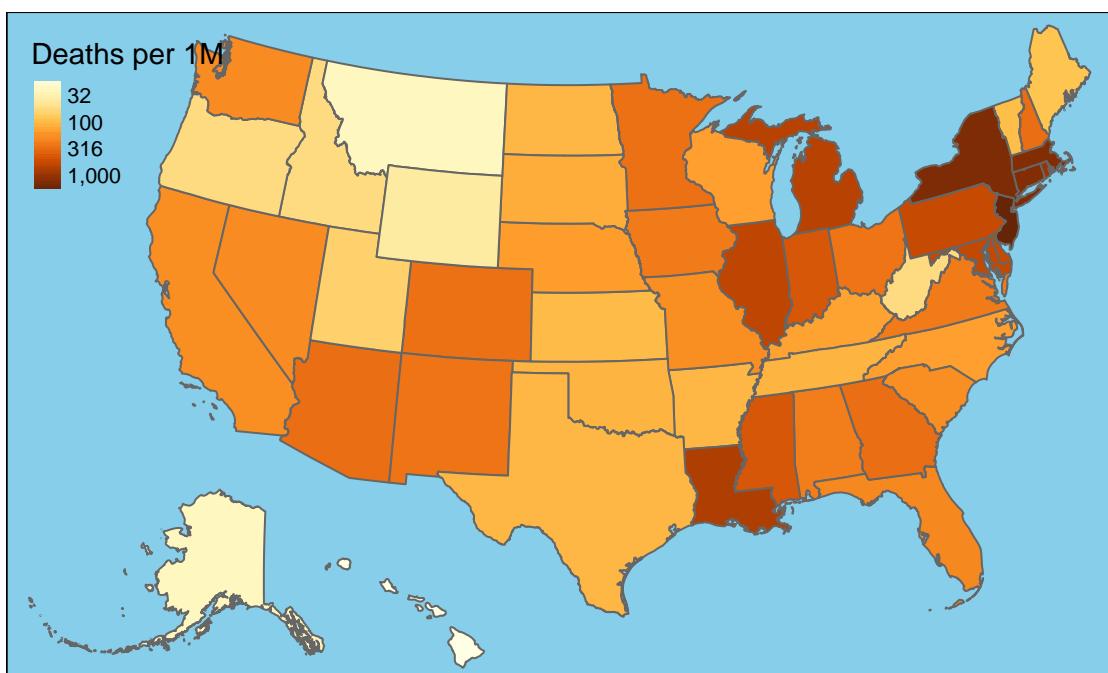
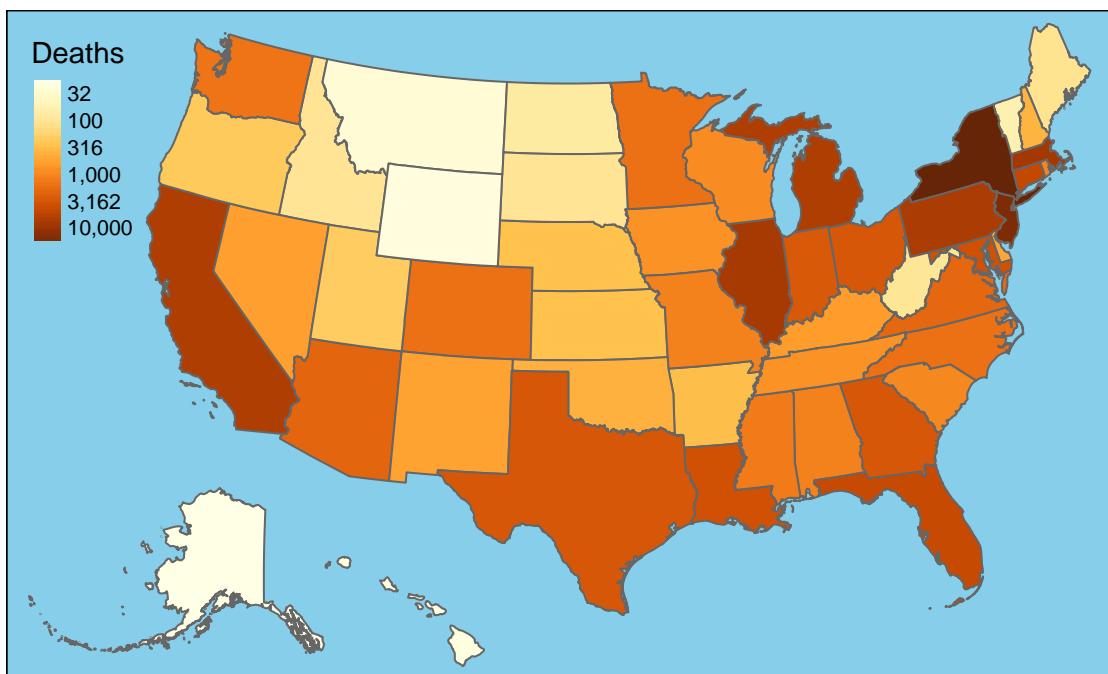


New Deaths by State



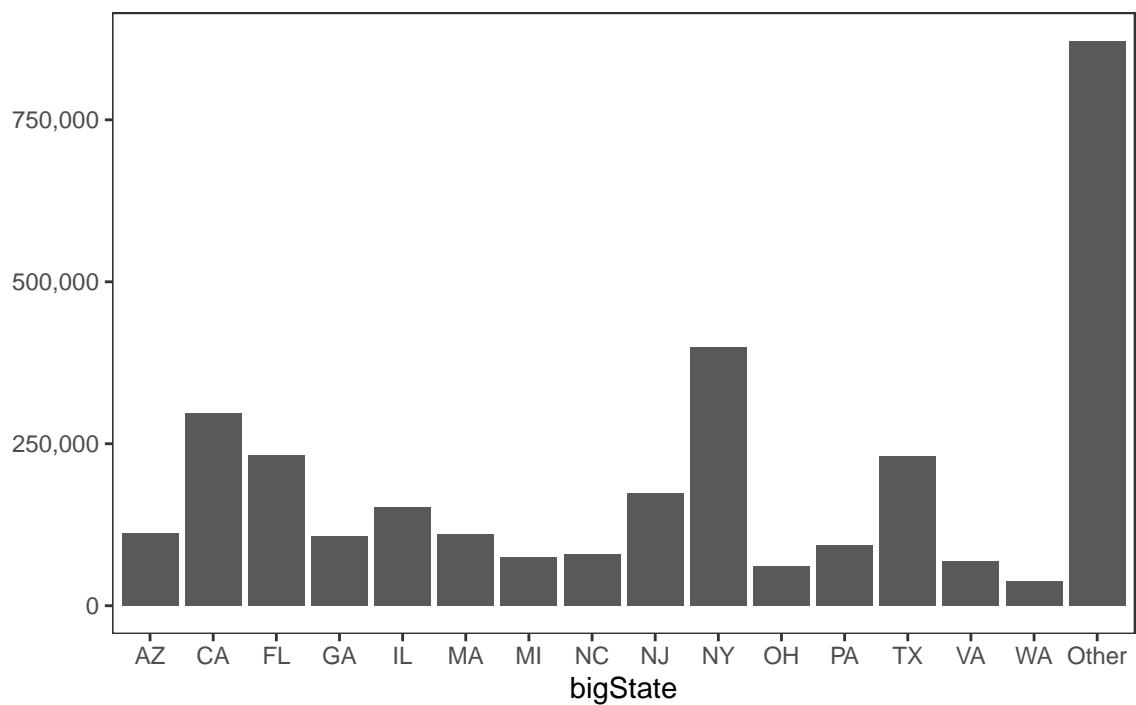
7-Day Change in Daily Deaths



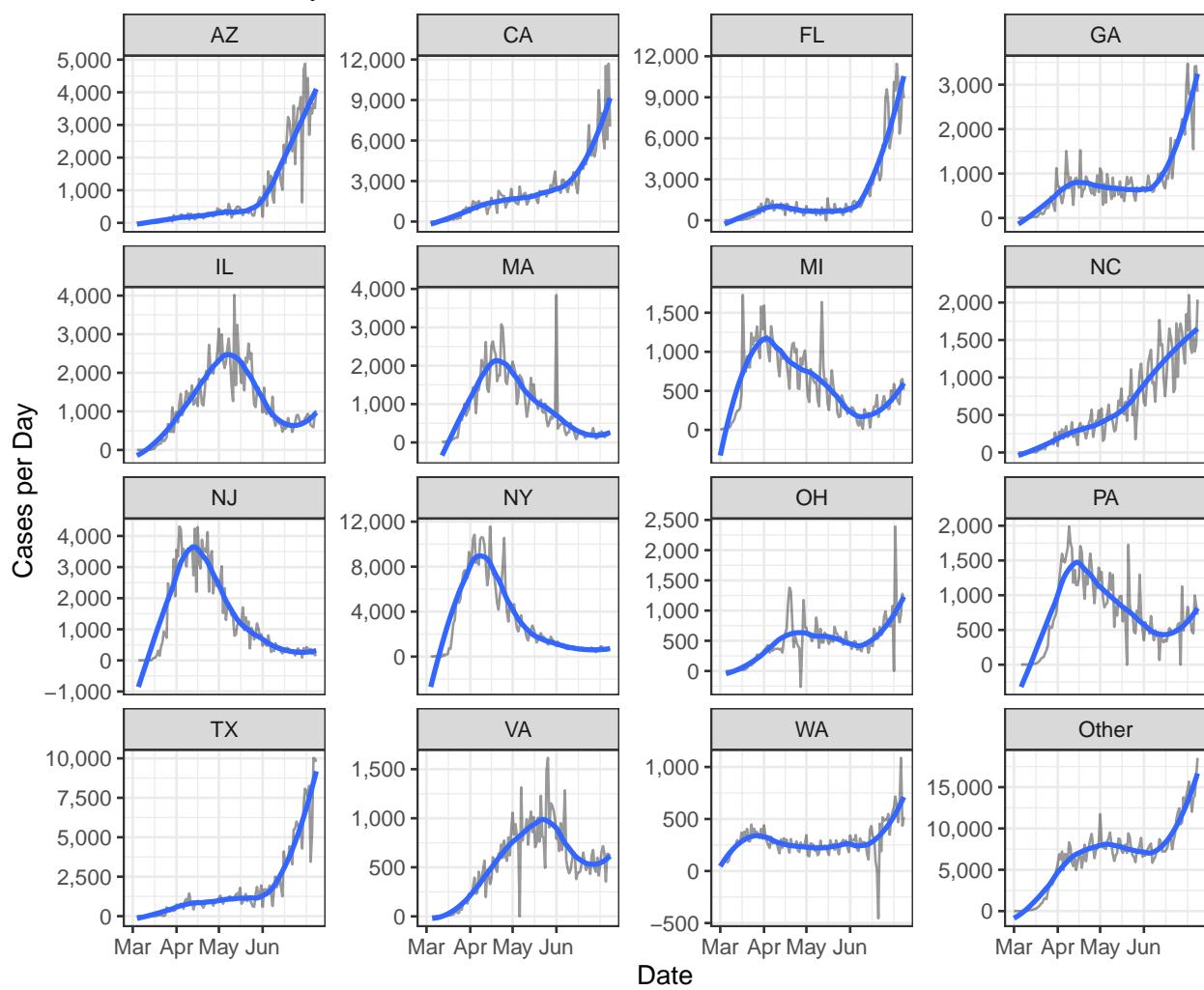


Cases

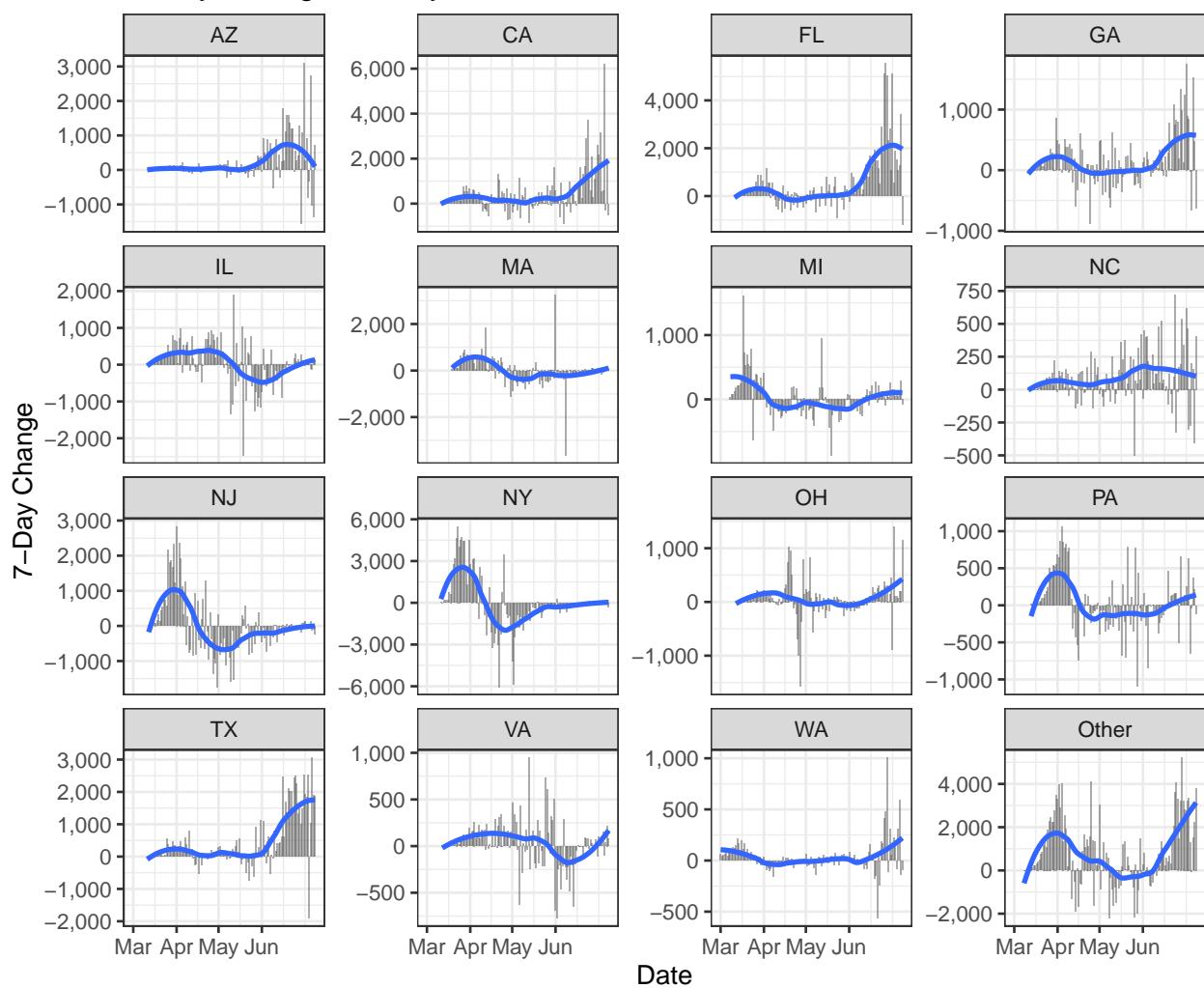
Cases by State

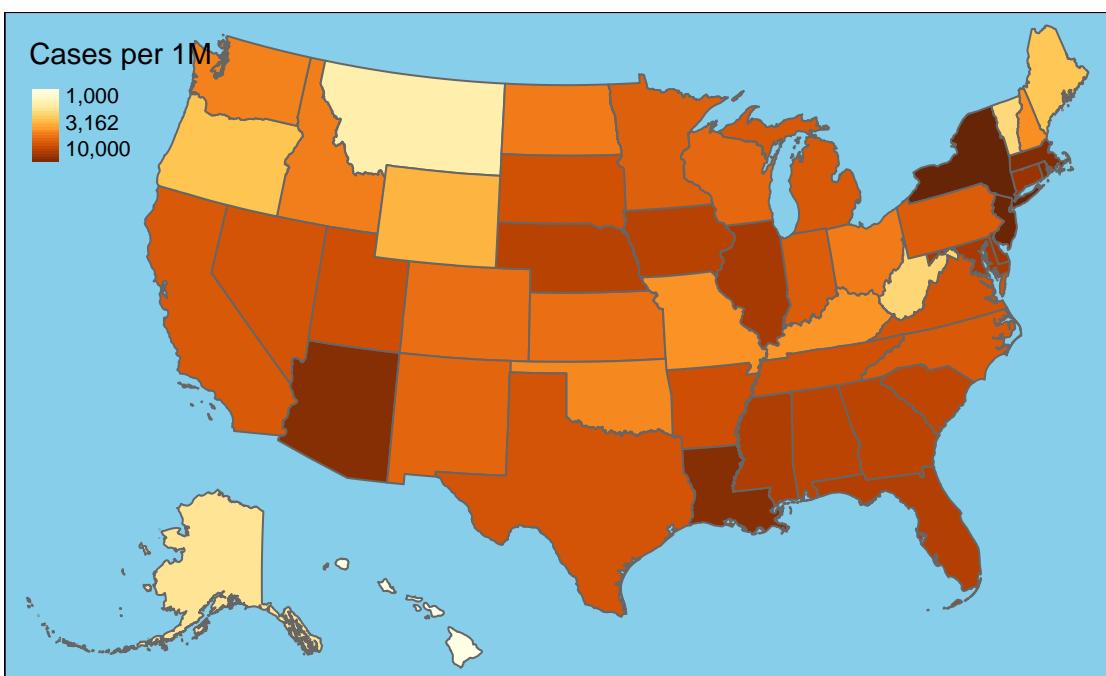
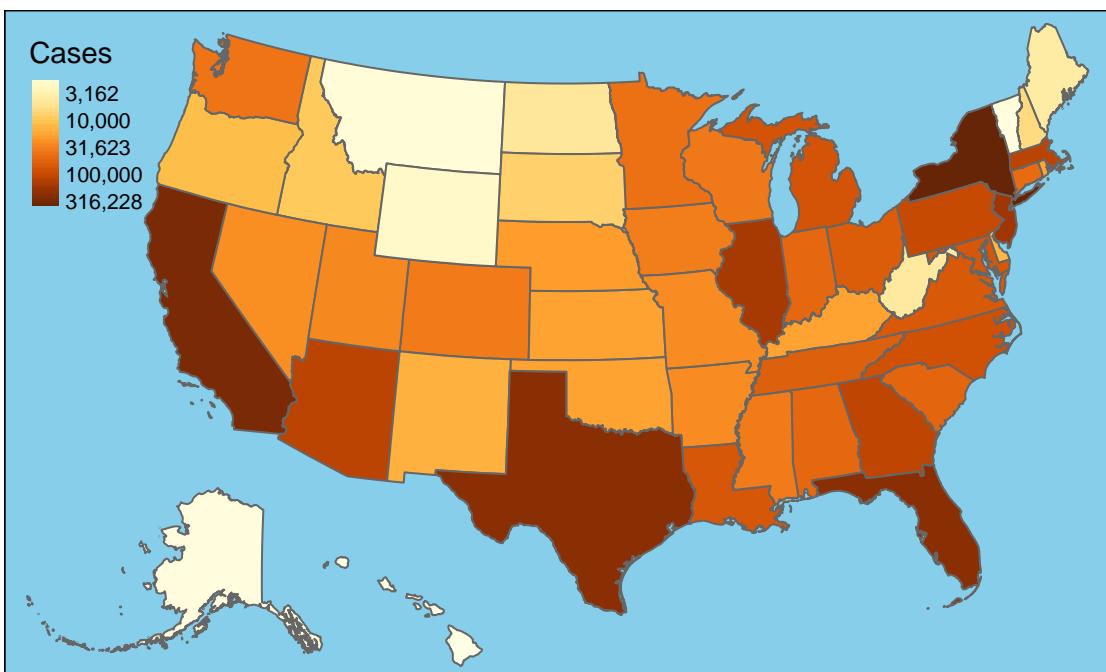


New Cases by State

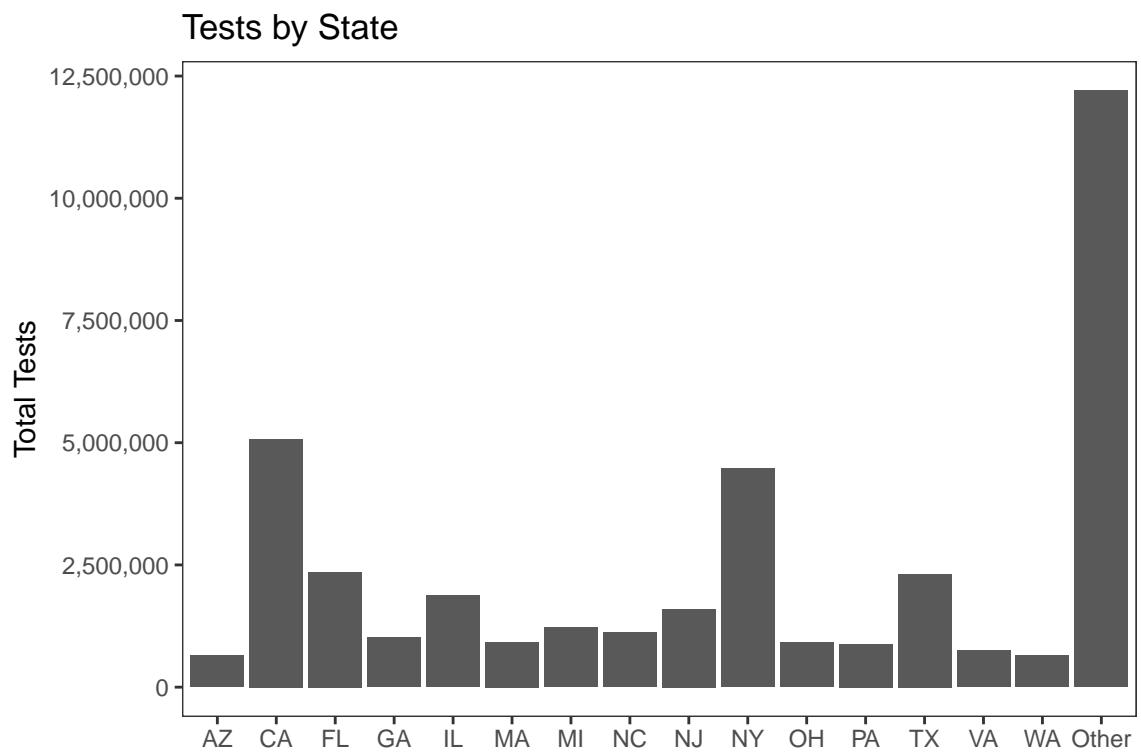


7-Day Change in Daily Cases

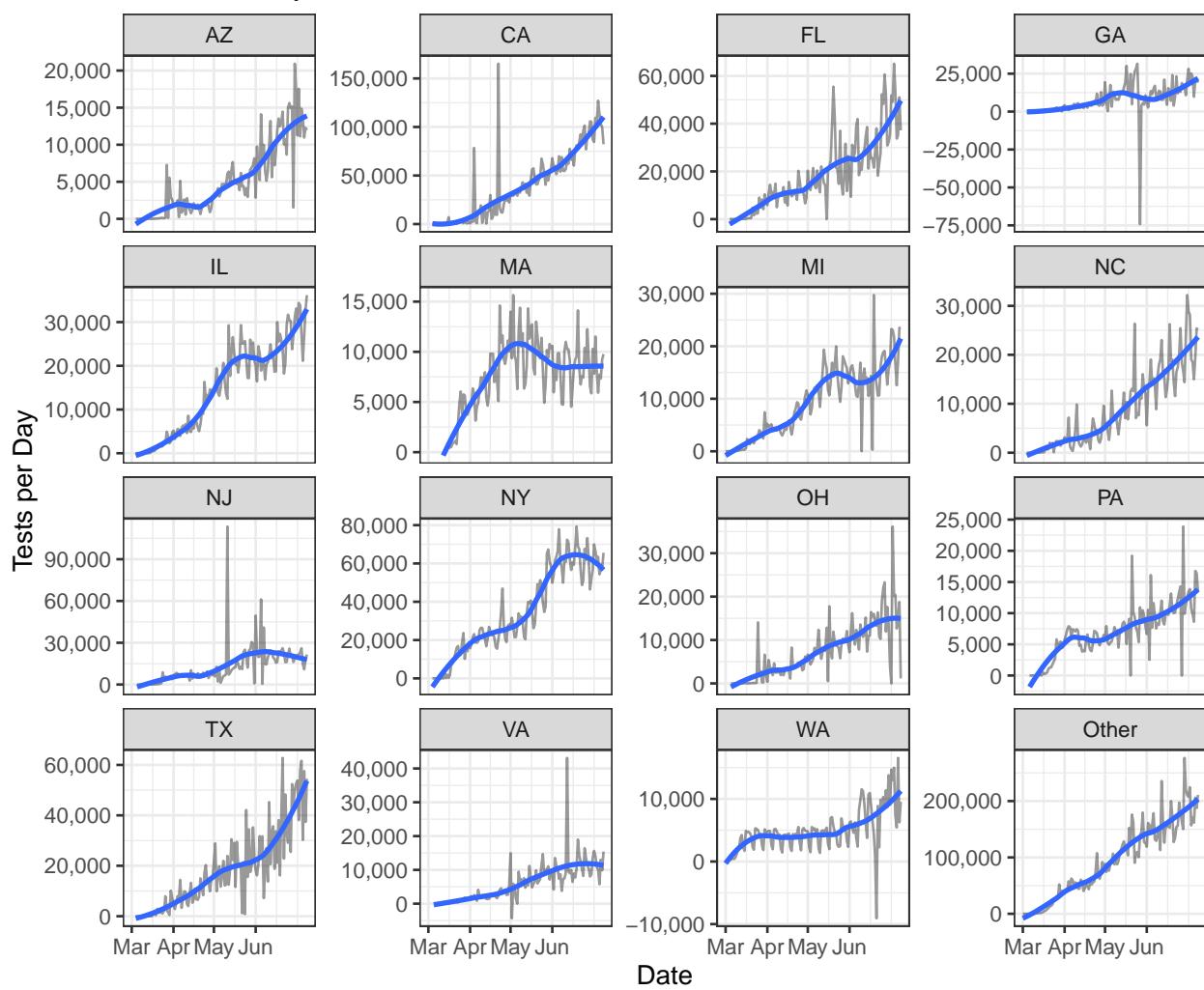


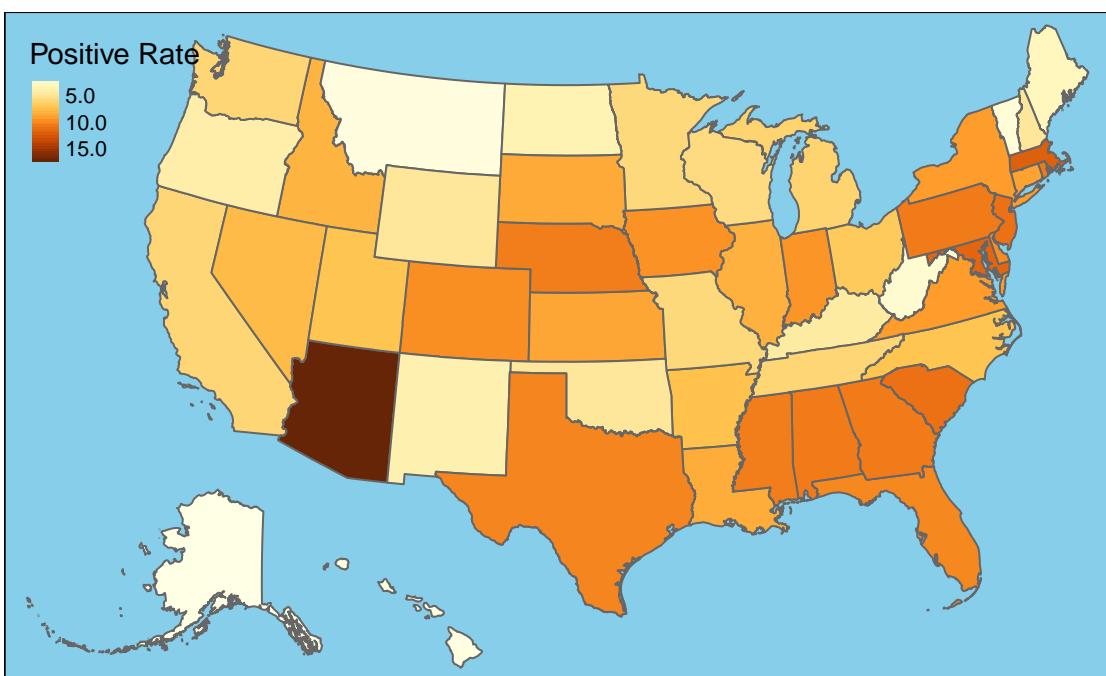
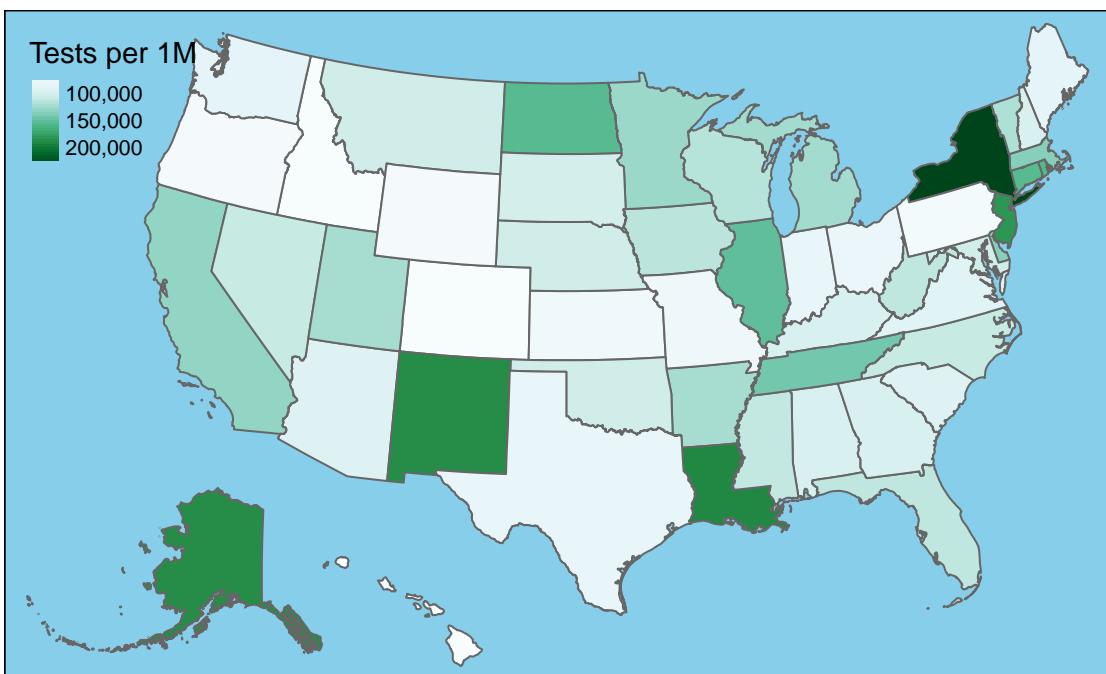


Testing



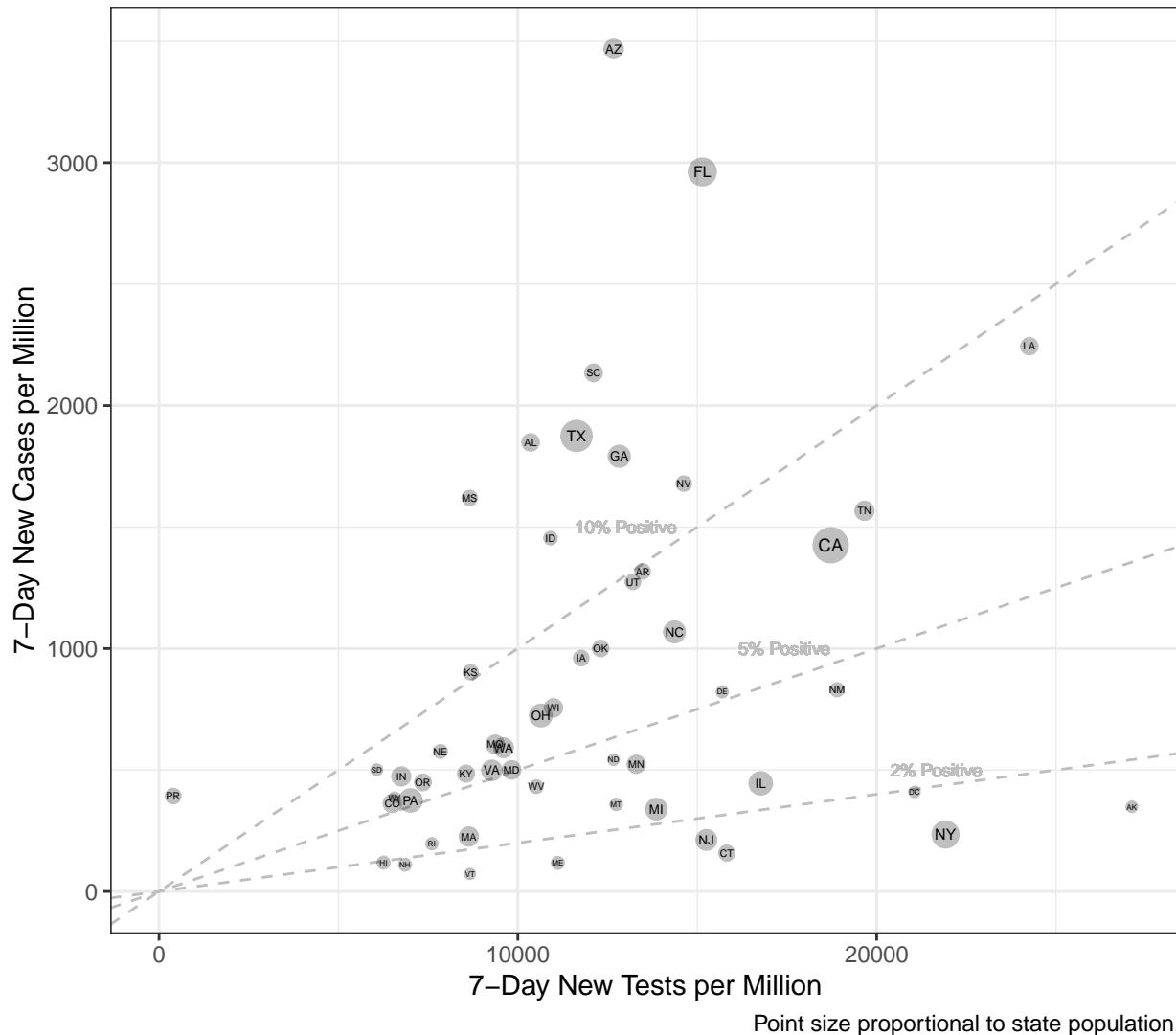
New Tests by State





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



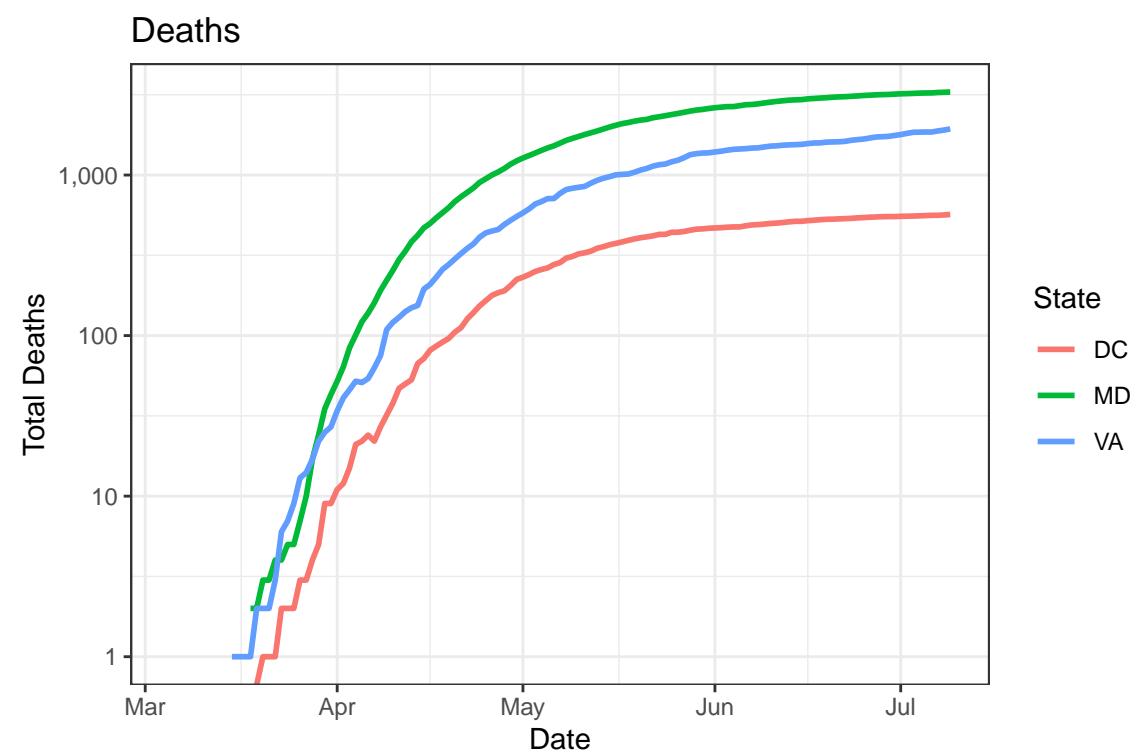
Local Data

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

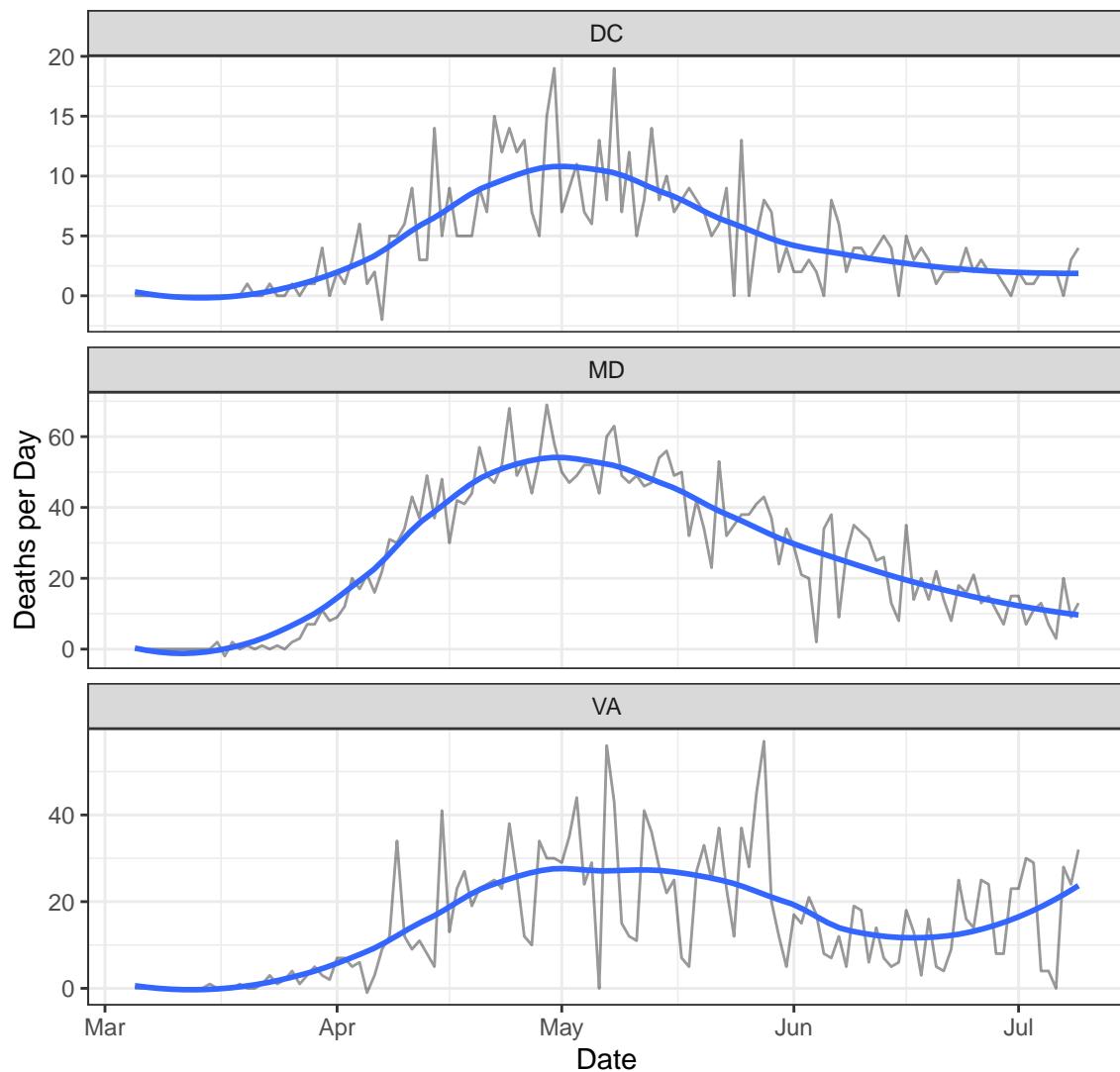
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,679	568	37	4
MD	71,447	3,288	586	13
VA	67,988	1,937	613	32

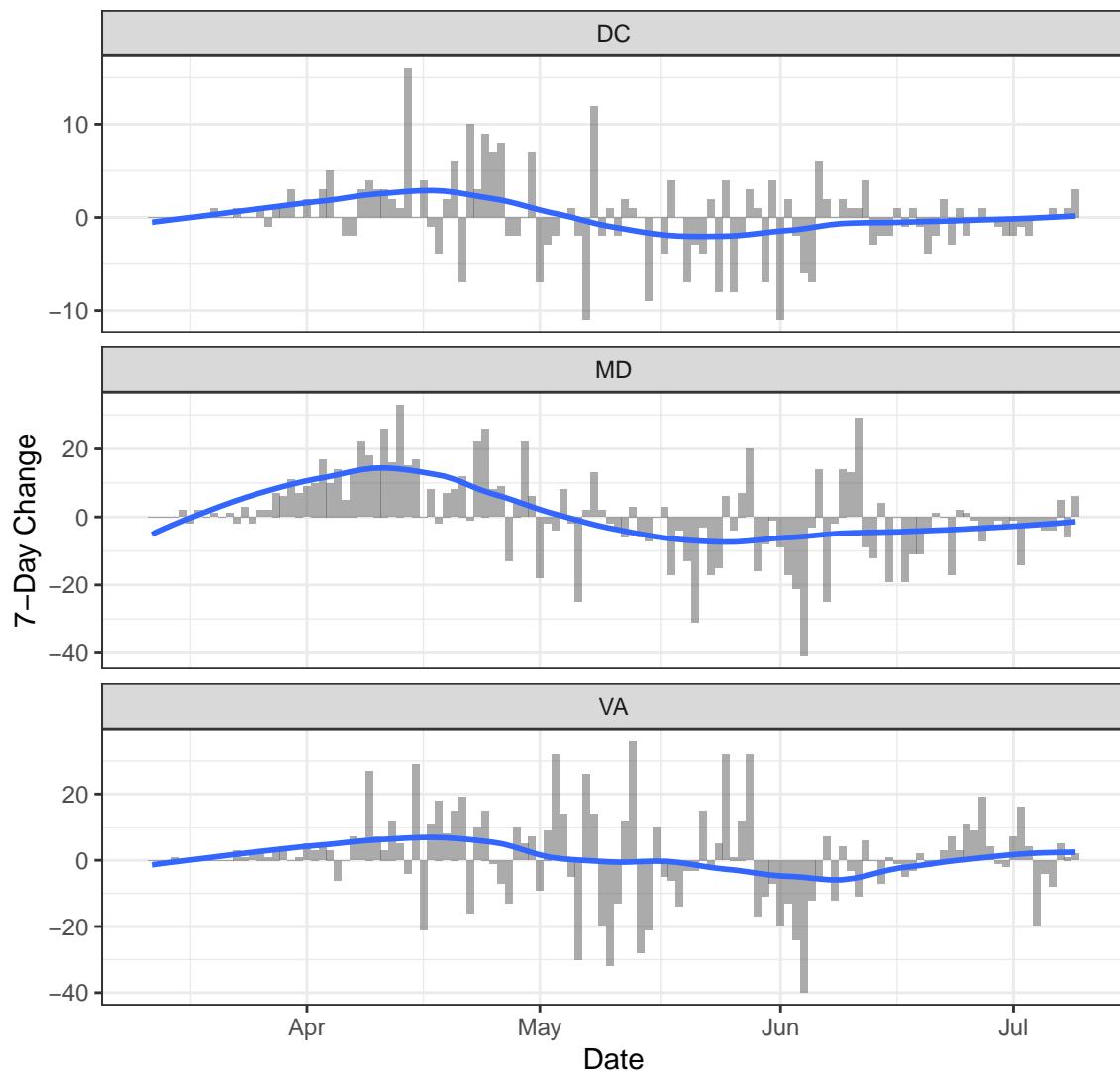
Deaths

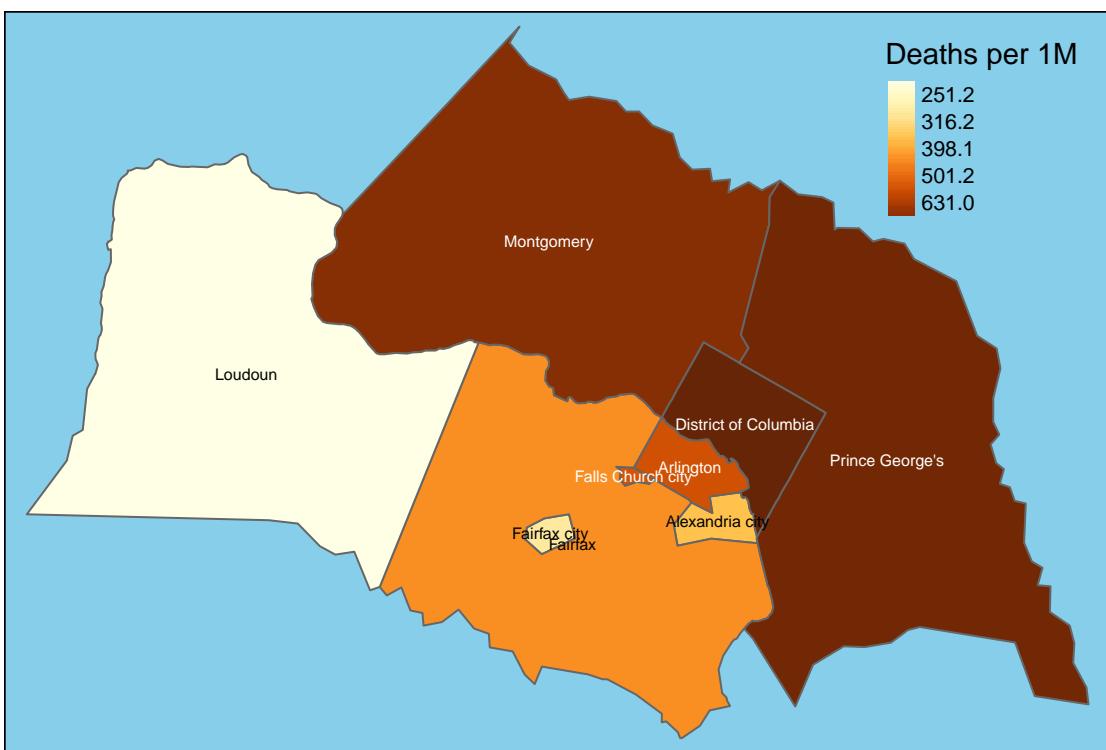
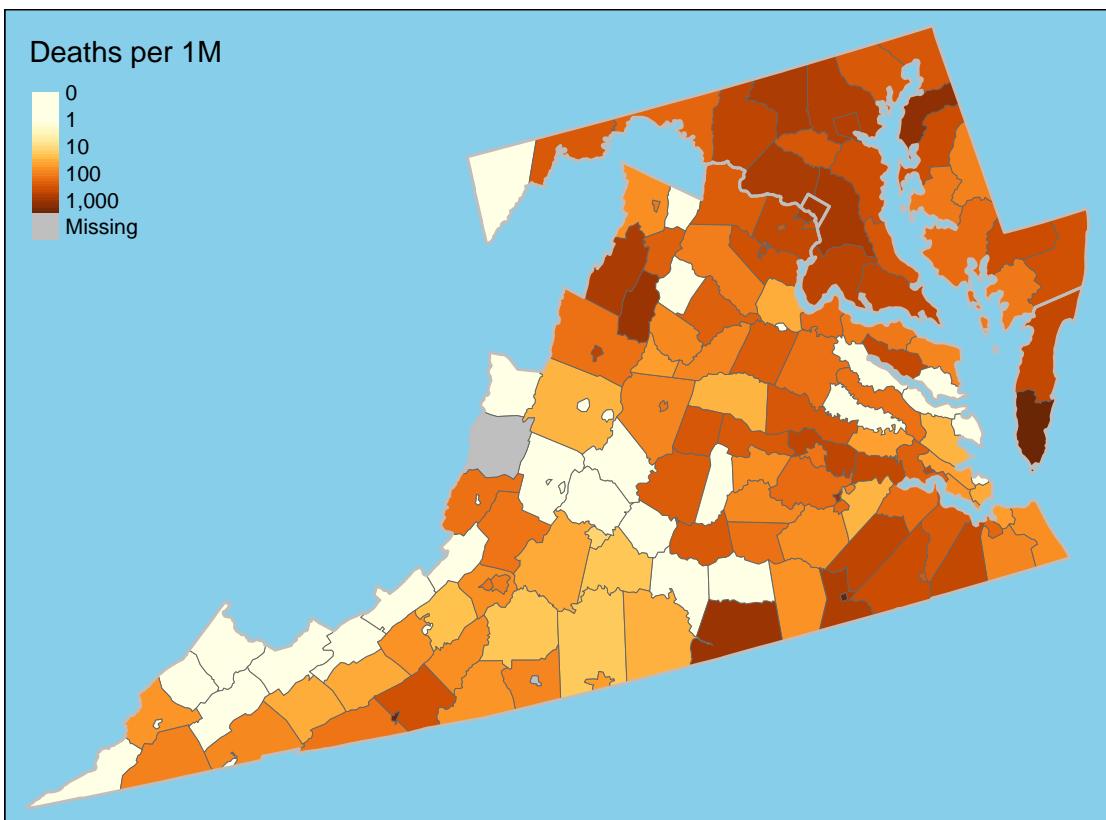


New Deaths

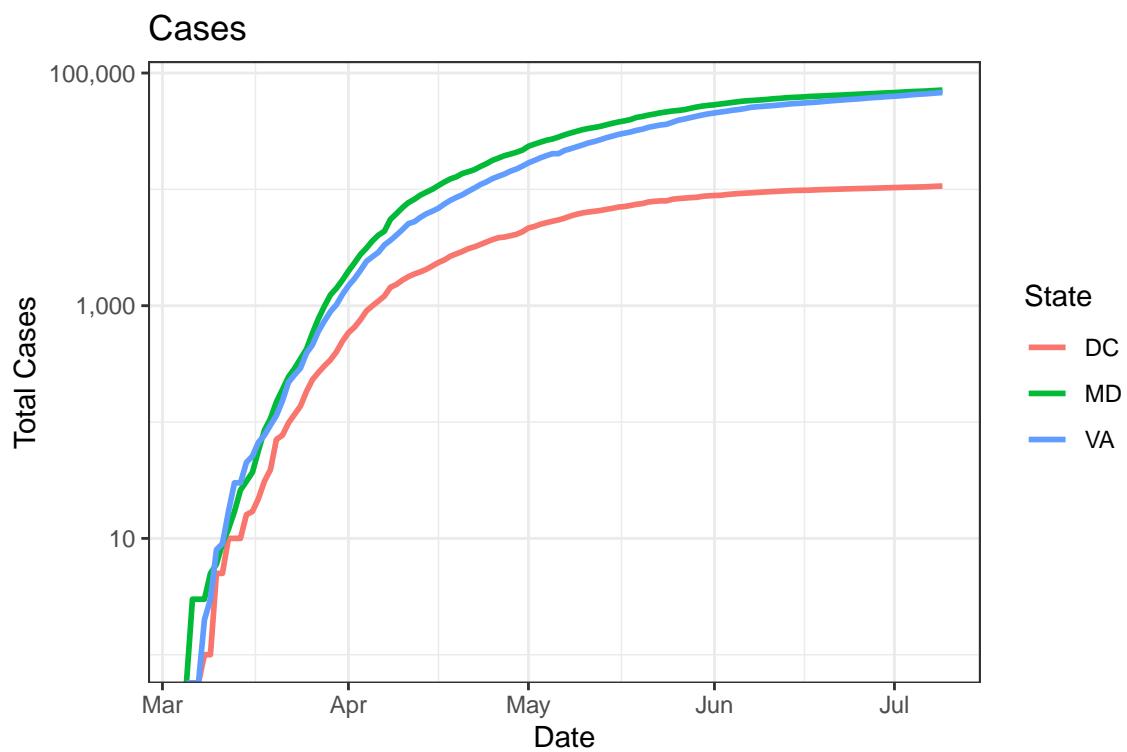


One-Week Change in Daily Deaths

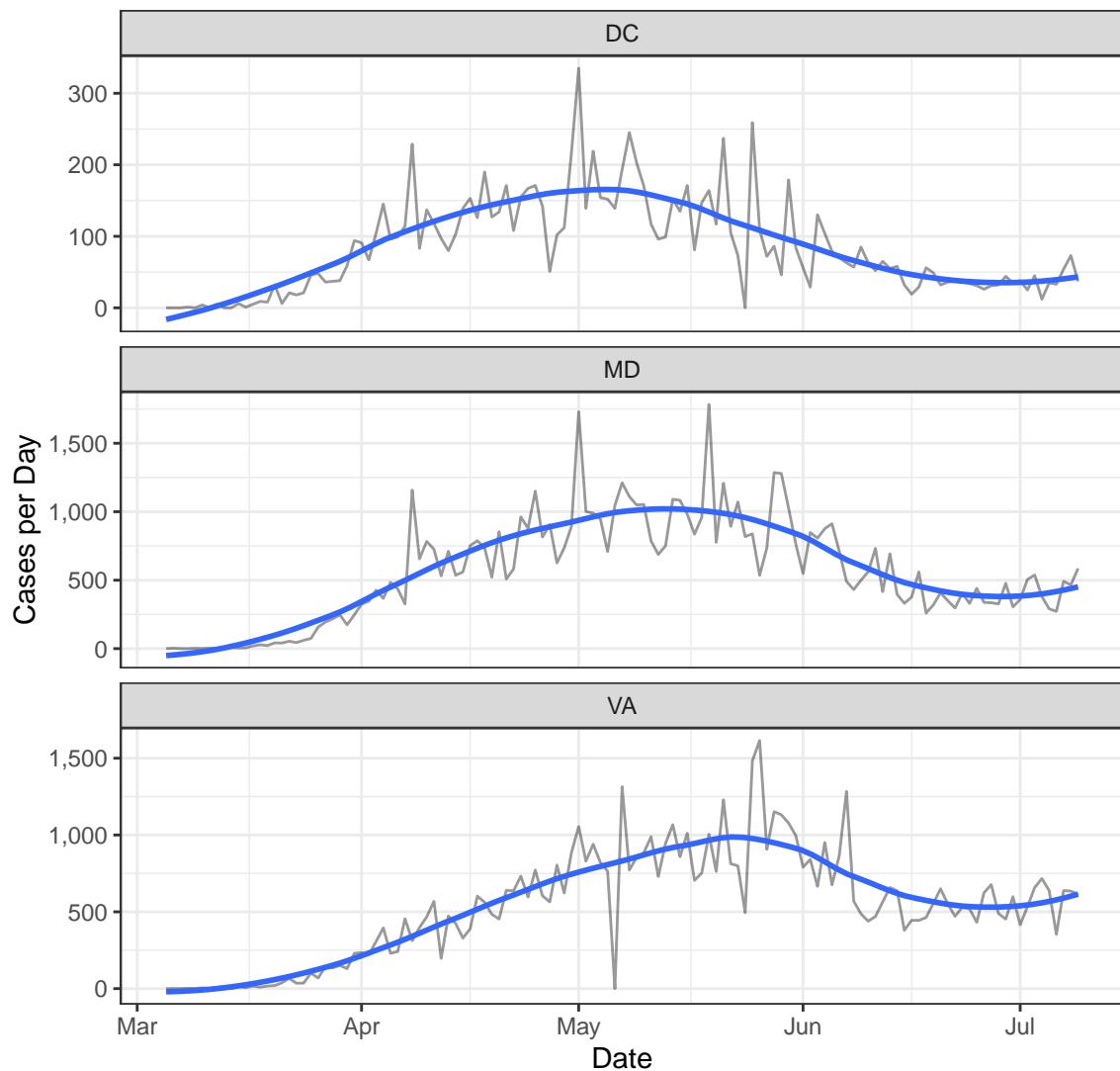




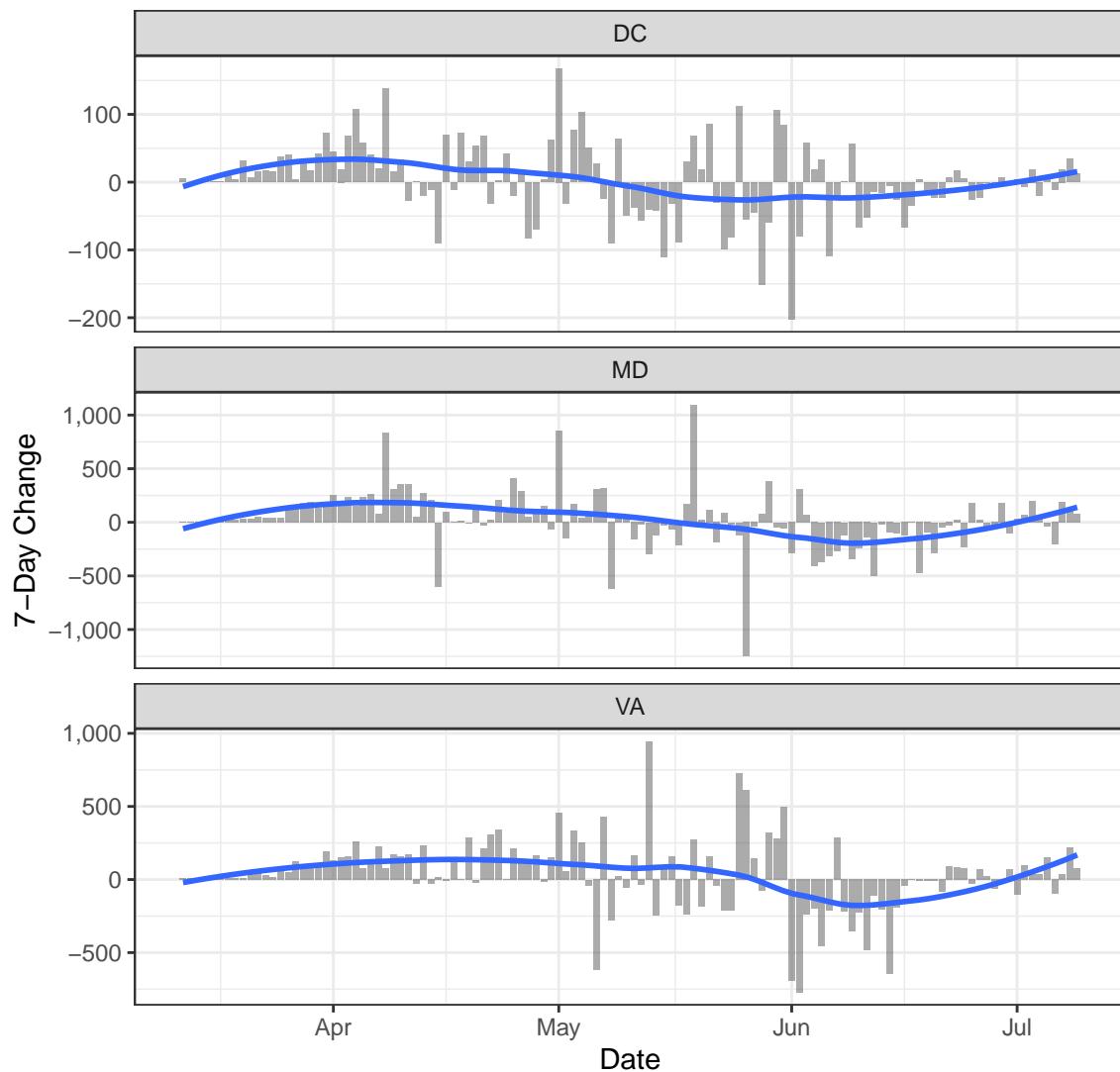
Cases

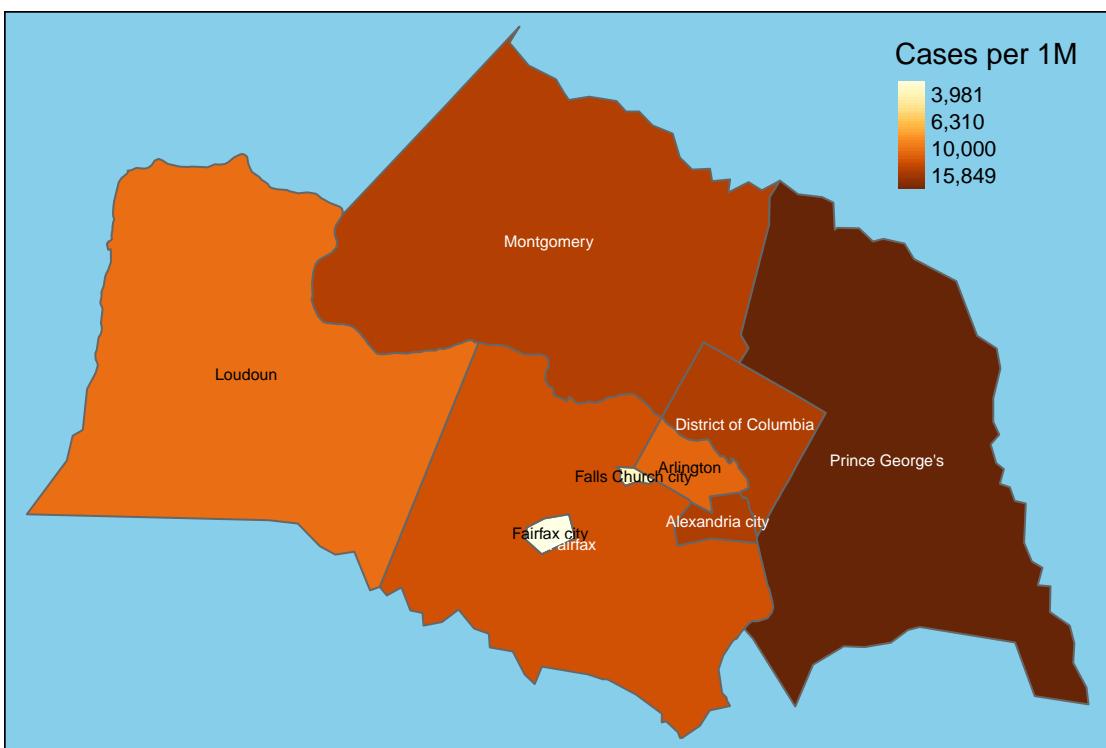
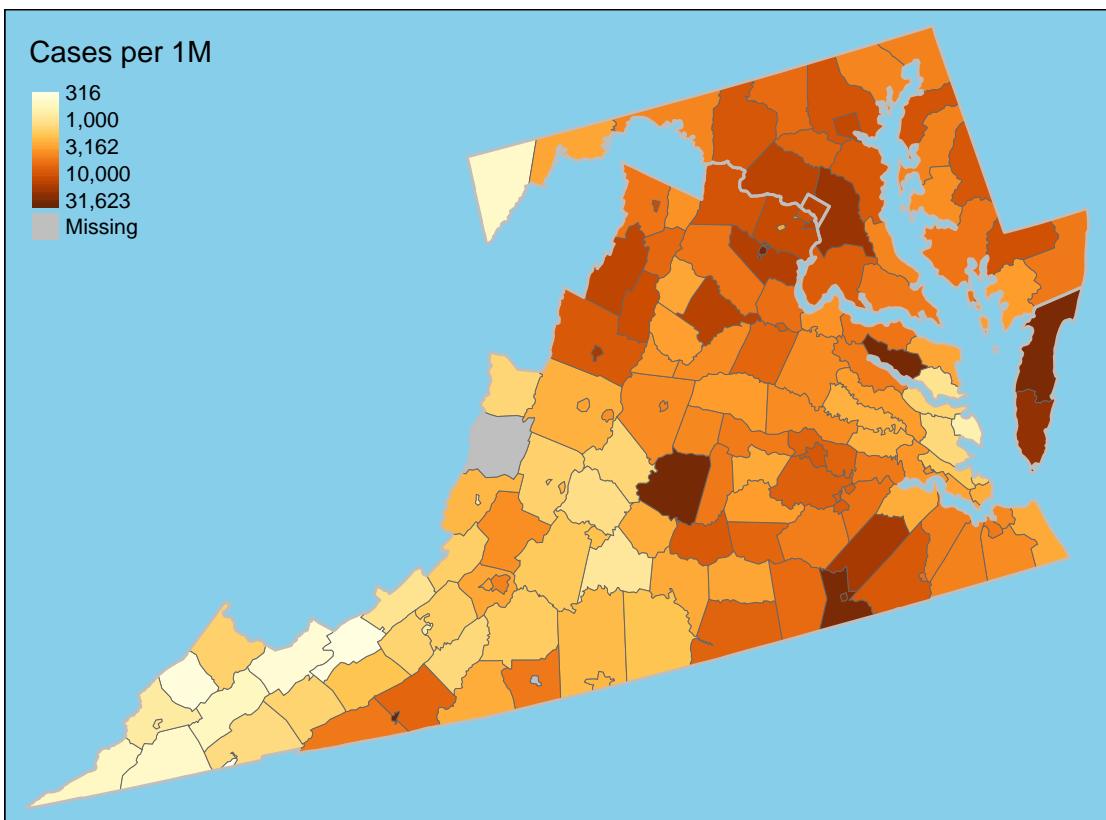


New Cases

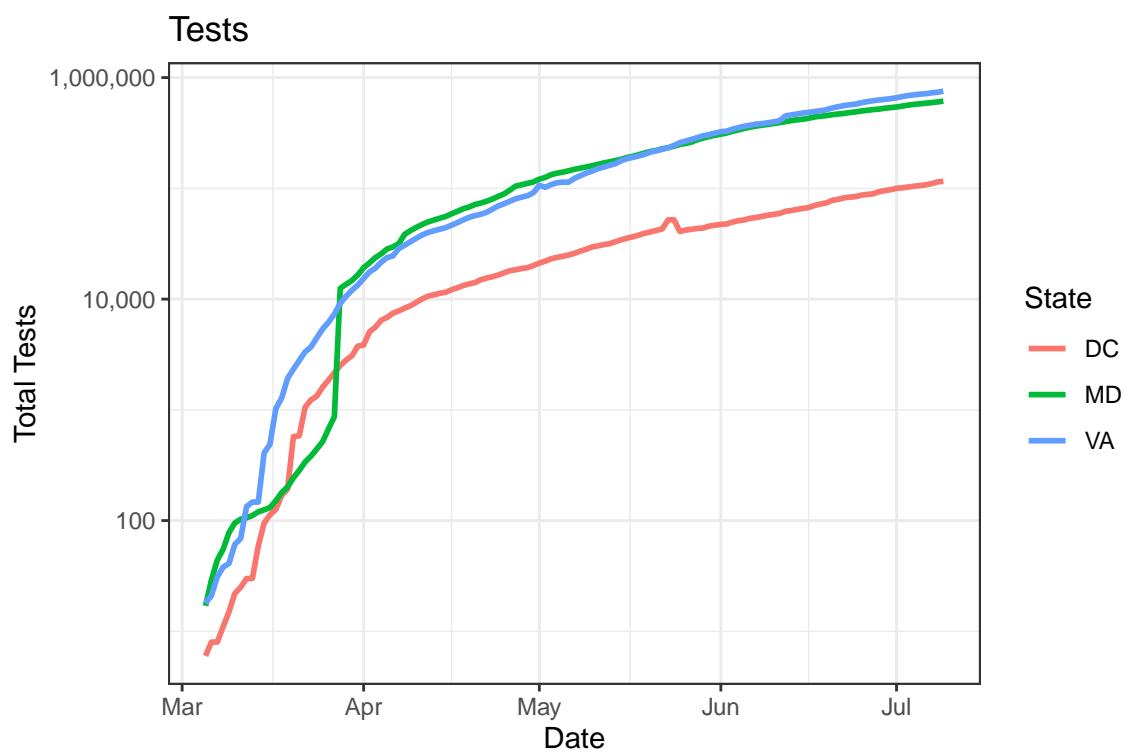


One-Week Change in Daily Cases

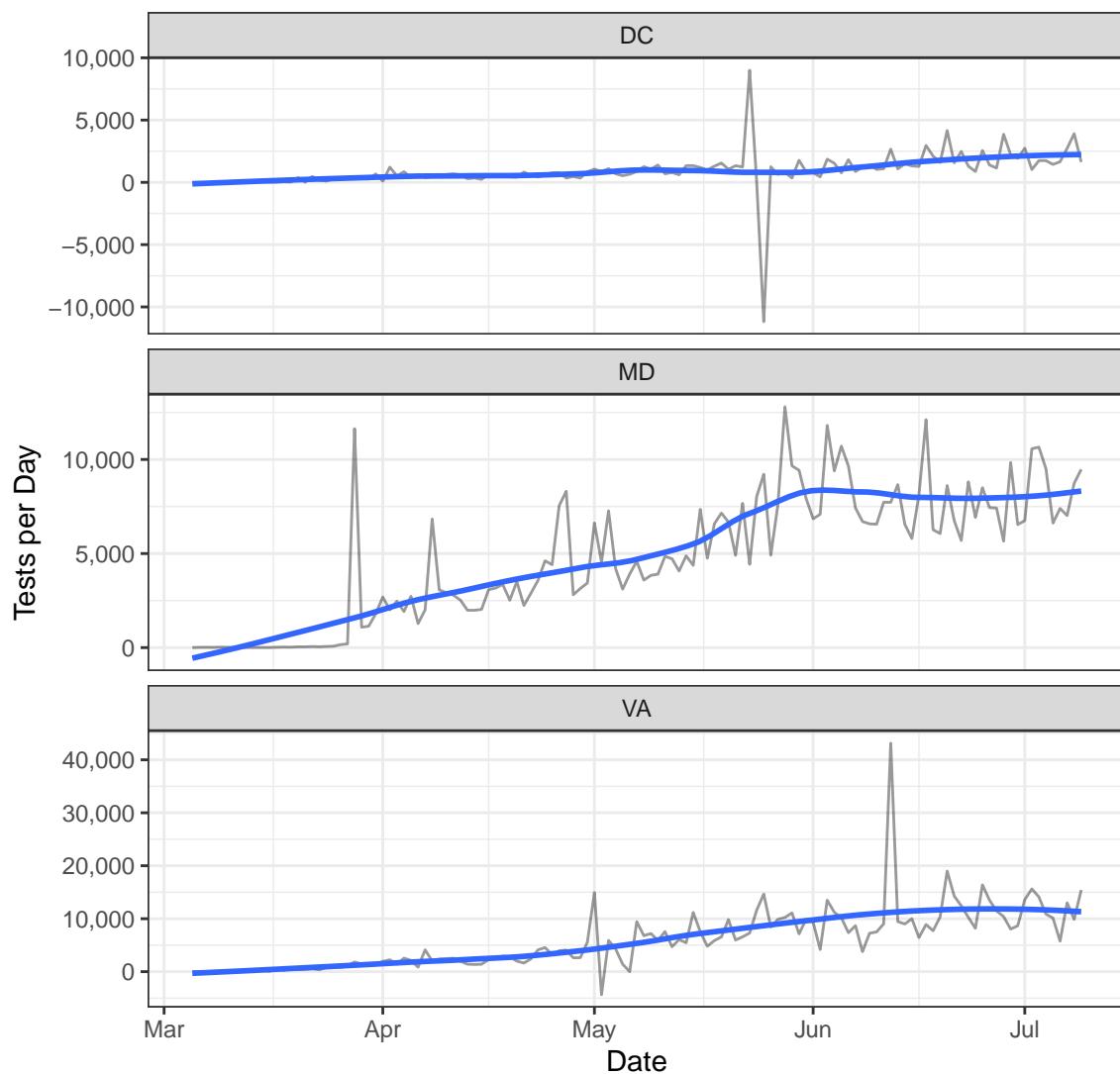




Testing



New Tests



Positive Test Rate

