

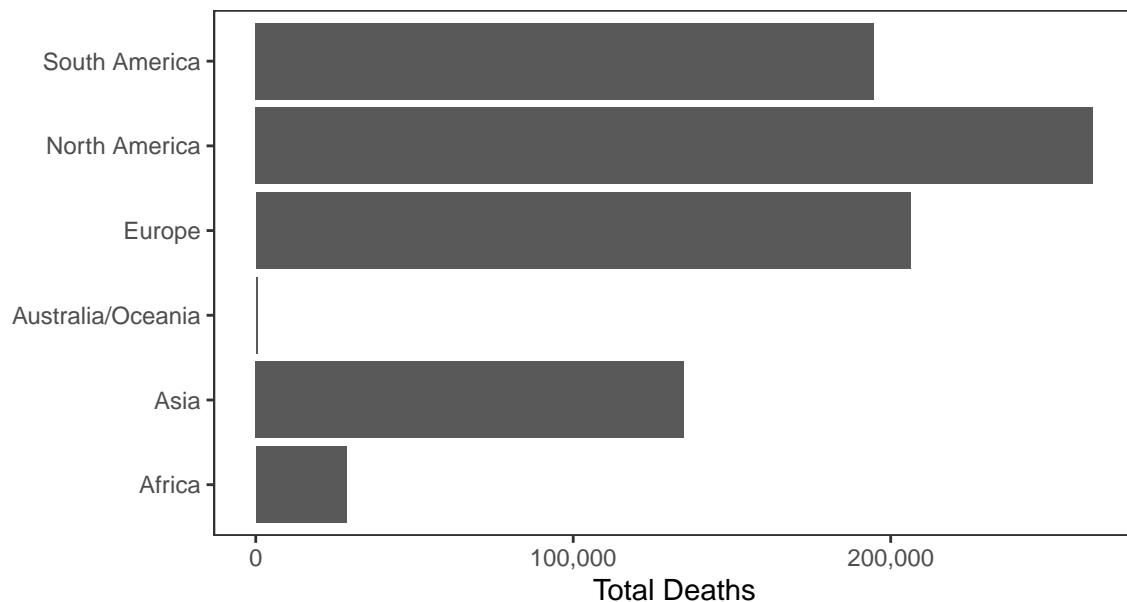
Erik's Covid-19 Chart Pack

Data updated 2020-08-27 19:50:23. 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 24,342,560 confirmed Covid-19 cases and 828,912 deaths worldwide.

Deaths



Cases

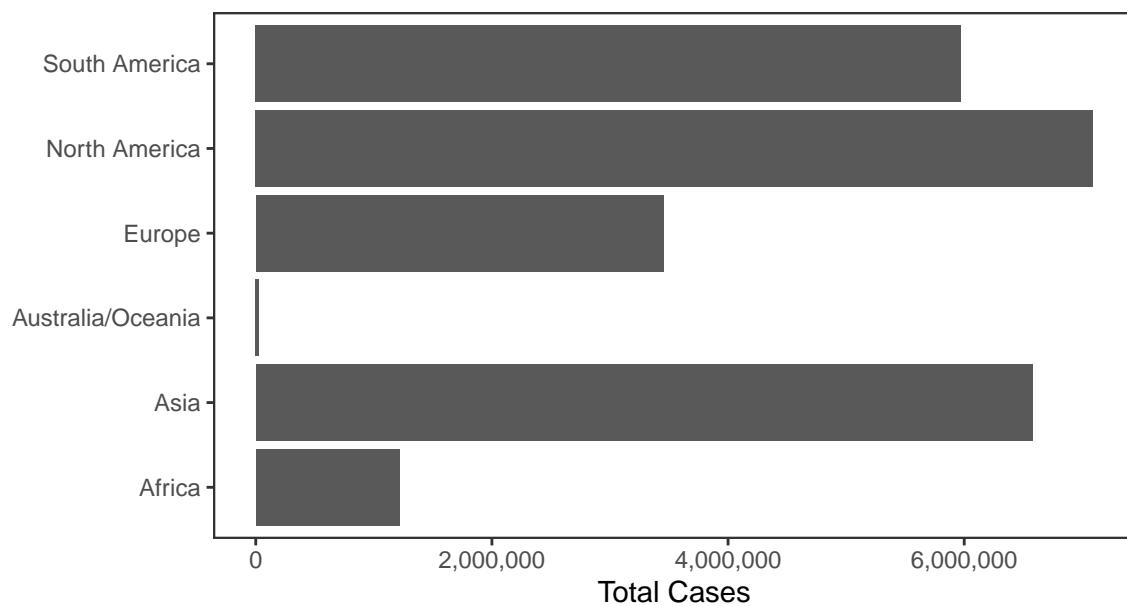
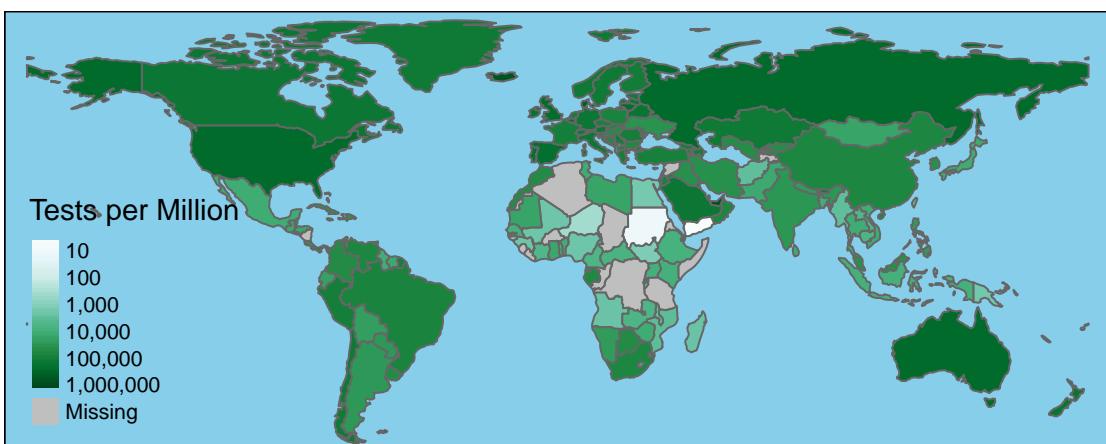
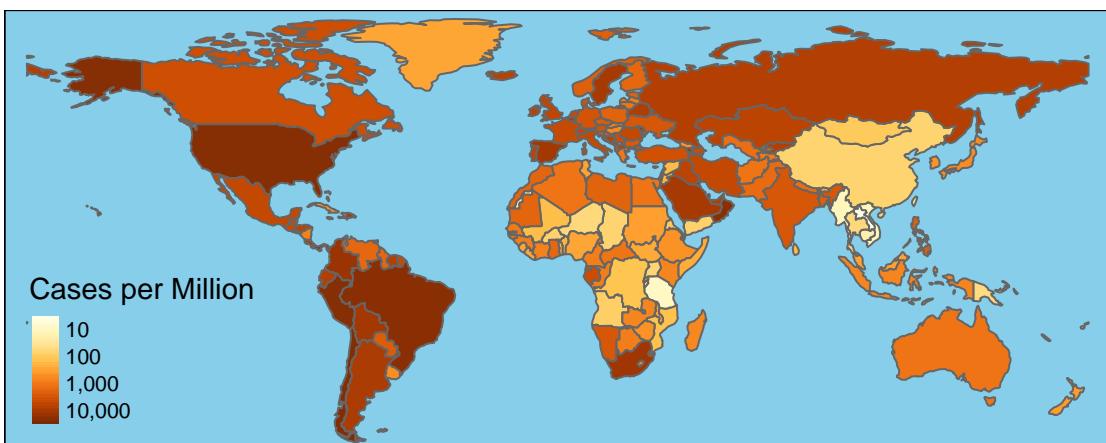
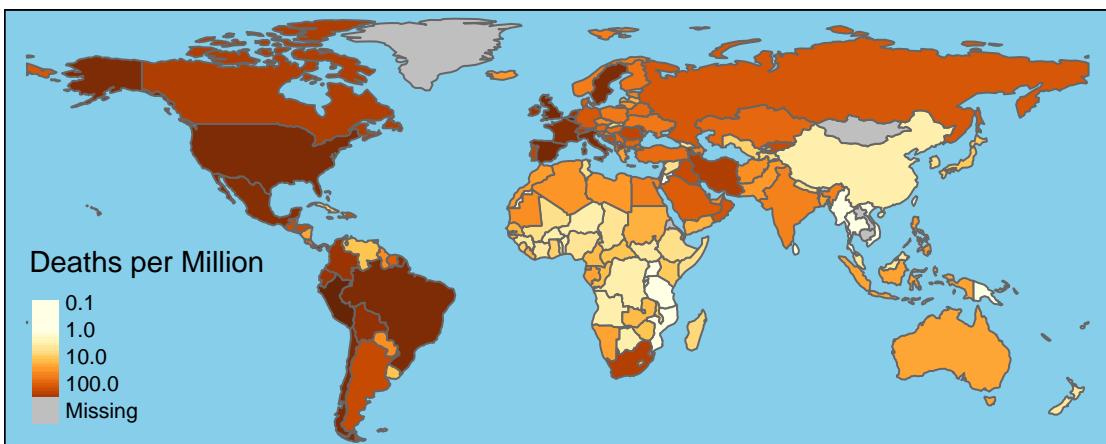


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,000,365	183,653	44,637	1,289
Brazil	3,722,004	117,756	47,828	1,090
India	3,307,749	60,629	75,995	1,017
Russia	970,865	16,683	4,676	115
South Africa	615,701	13,502	2,684	194
Peru	613,378	28,124	5,996	123
Colombia	572,270	18,184	10,142	295
Mexico	568,621	61,450	4,916	650
Spain	448,011	28,971	3,594	47
Chile	402,365	10,990	1,380	32
Argentina	370,188	7,839	10,550	276
Iran	365,606	21,020	2,243	119
UK	328,846	41,465	1,048	16
Saudi Arabia	310,836	3,755	1,068	33
Bangladesh	302,147	4,082	2,519	54
Pakistan	294,193	6,267	482	12
Italy	262,538	35,458	1,365	13
Turkey	262,507	6,183	1,313	20
France	253,587	30,544	5,429	0
Germany	239,000	9,352	1,428	7



National Data

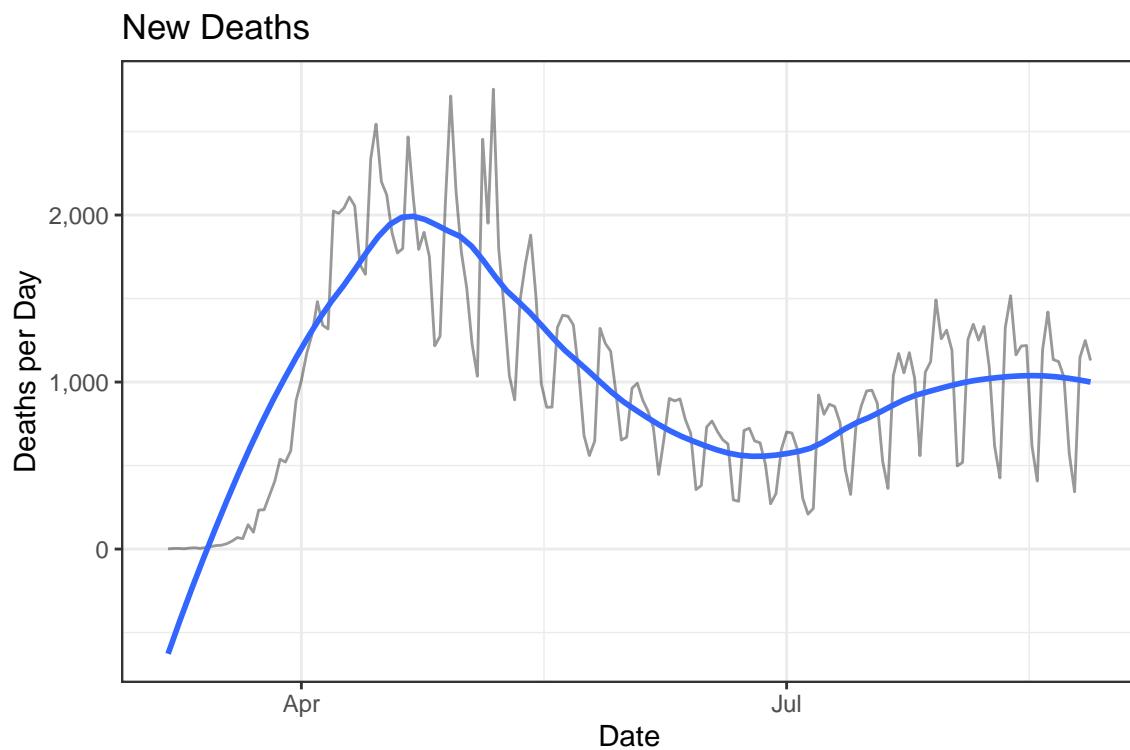
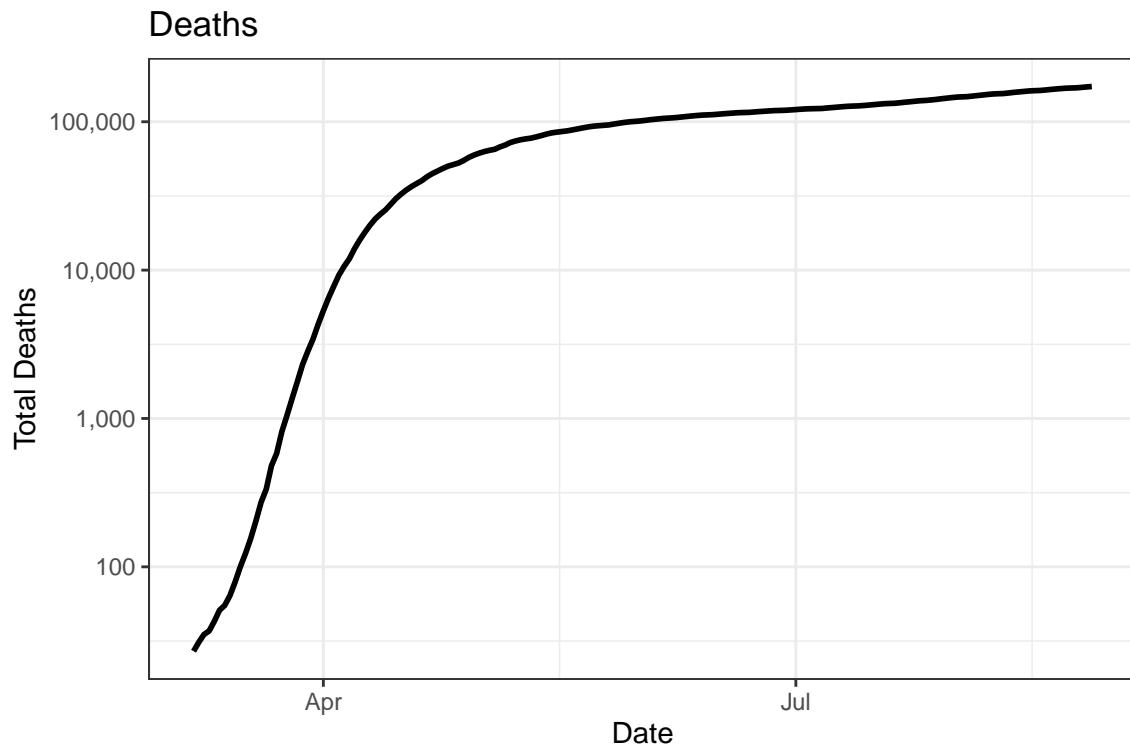
There have been 5,837,507 confirmed Covid-19 cases and 172,731 deaths in the United States.

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

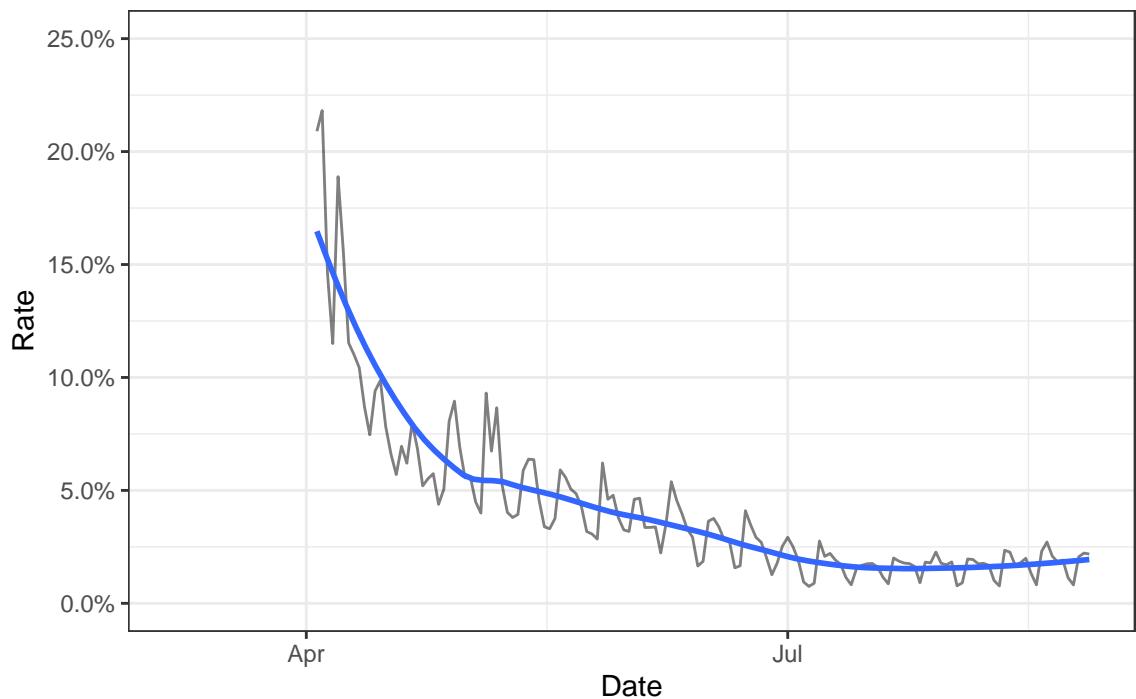
Date	Cases	Deaths	New Cases	New Deaths
2020-08-27	5,837,507	172,731	44,264	1,129
2020-08-26	5,793,243	171,602	43,130	1,249
2020-08-25	5,750,113	170,353	36,320	1,147
2020-08-24	5,713,793	169,206	34,641	343
2020-08-23	5,679,152	168,863	37,567	572
2020-08-22	5,641,585	168,291	46,242	1,029
2020-08-21	5,595,343	167,262	46,562	1,123
2020-08-20	5,548,781	166,139	43,758	1,134
2020-08-19	5,505,023	165,005	44,953	1,420
2020-08-18	5,460,070	163,585	40,796	1,195
2020-08-17	5,419,274	162,390	37,881	407
2020-08-16	5,381,393	161,983	42,487	619
2020-08-15	5,338,906	161,364	56,148	1,219
2020-08-14	5,282,758	160,145	55,635	1,216

Deaths

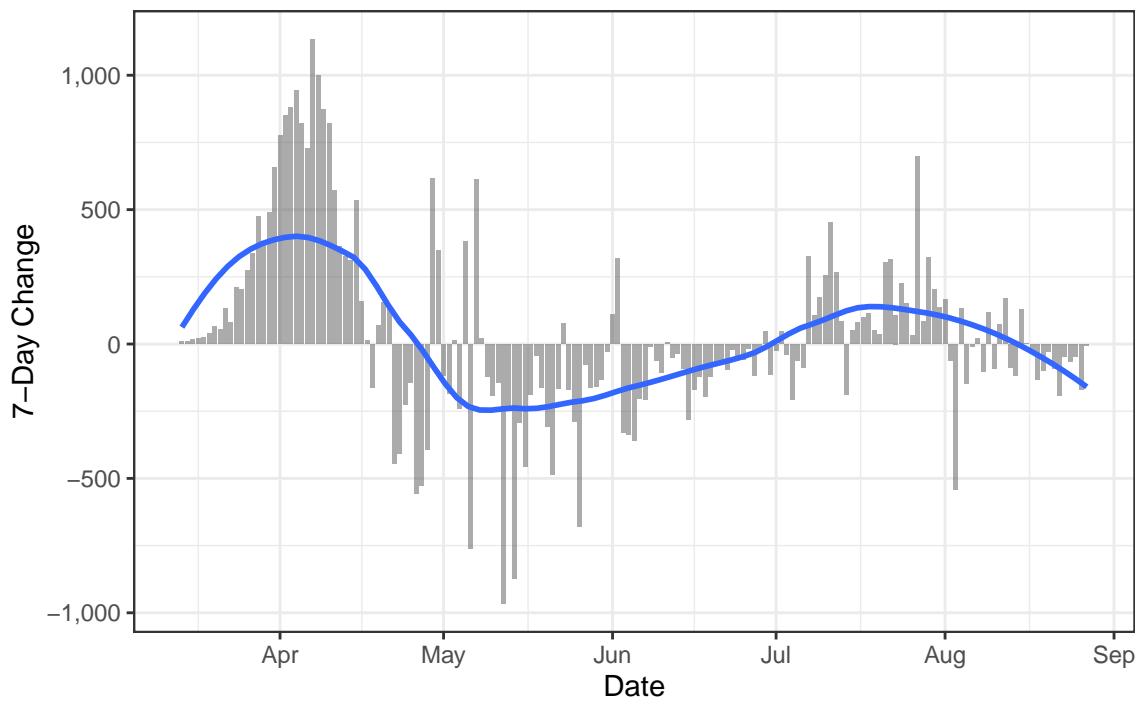
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

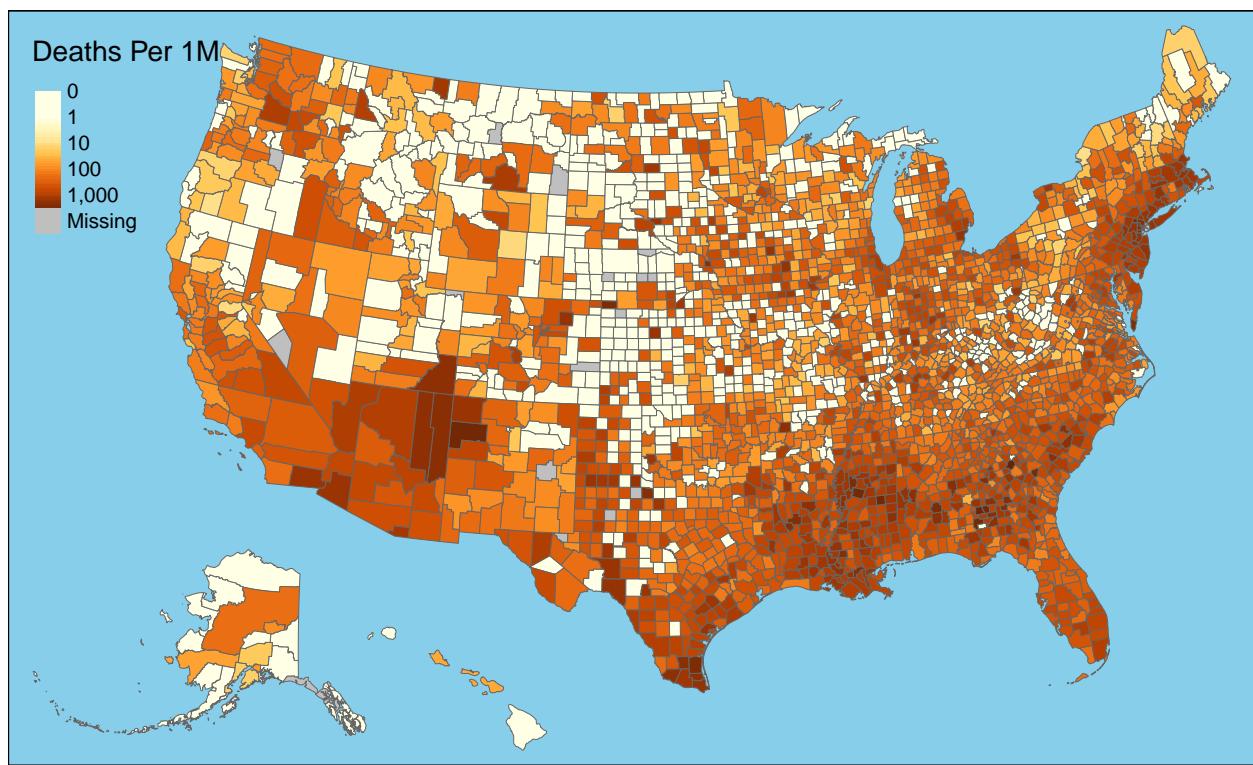


Daily Case Mortality Rate



One-Week Change in Daily Deaths

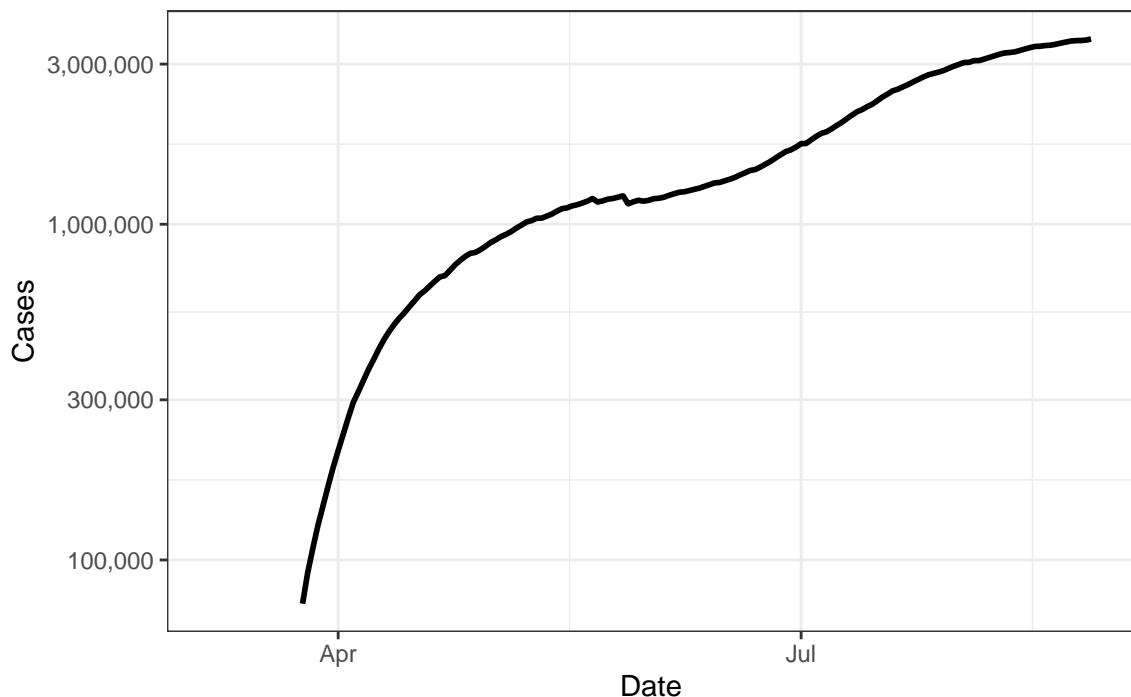




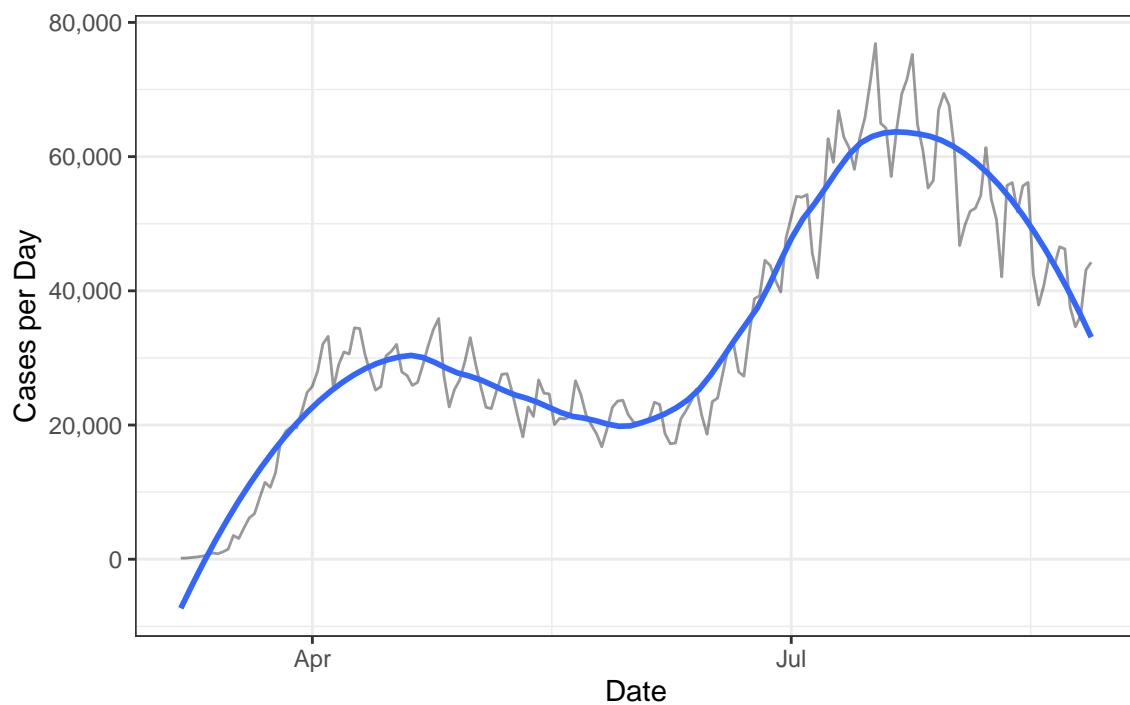
Cases

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

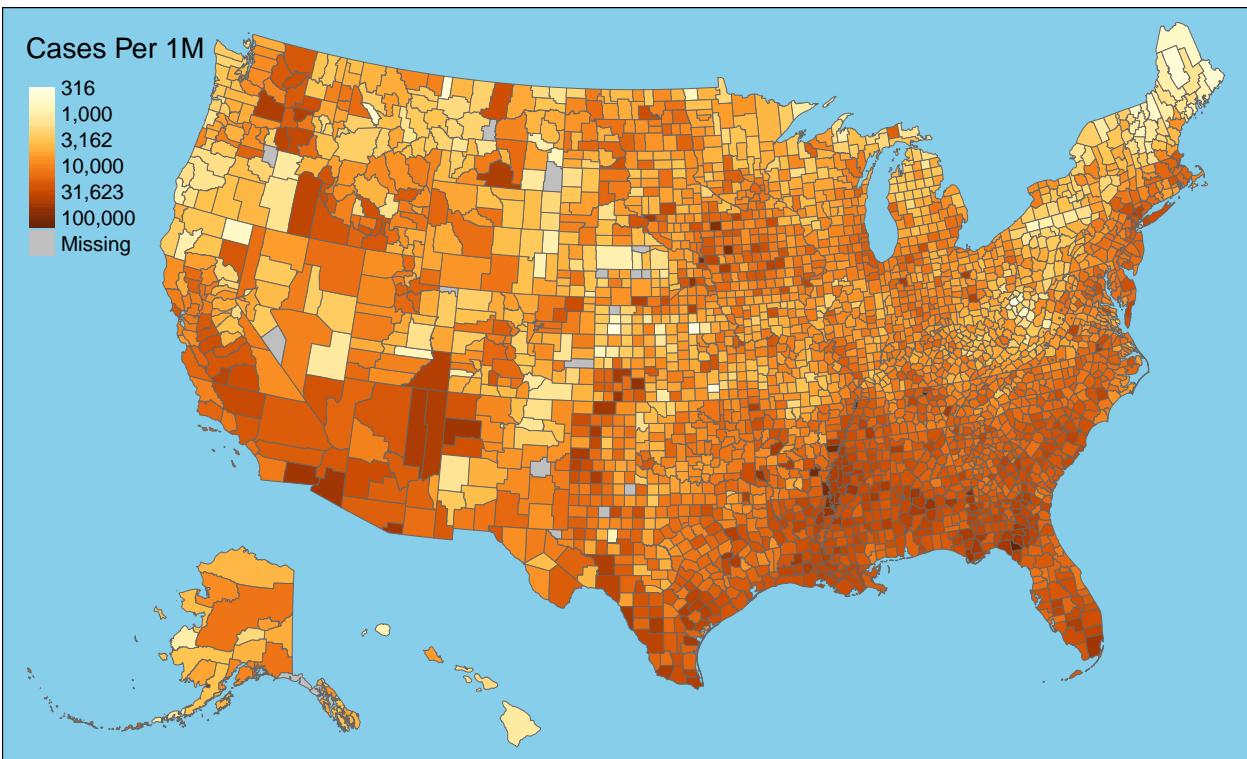
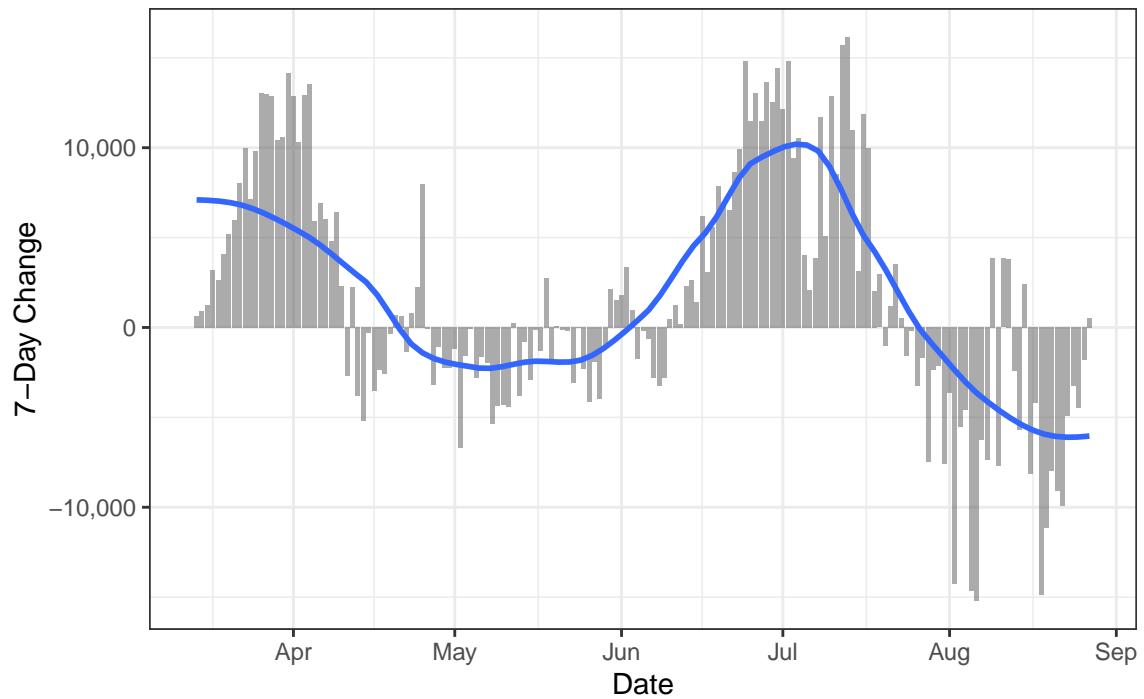
Active Cases



New Cases

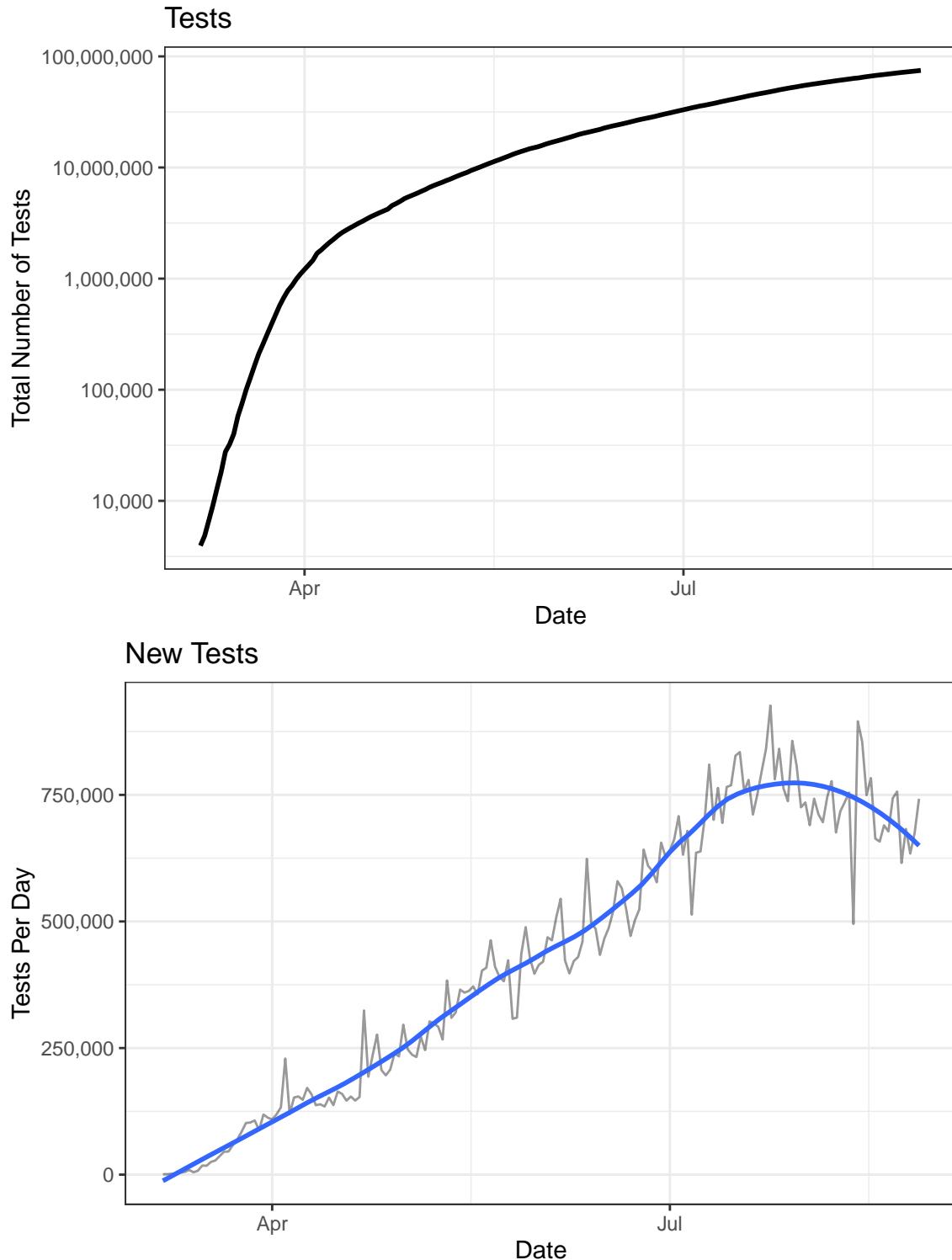


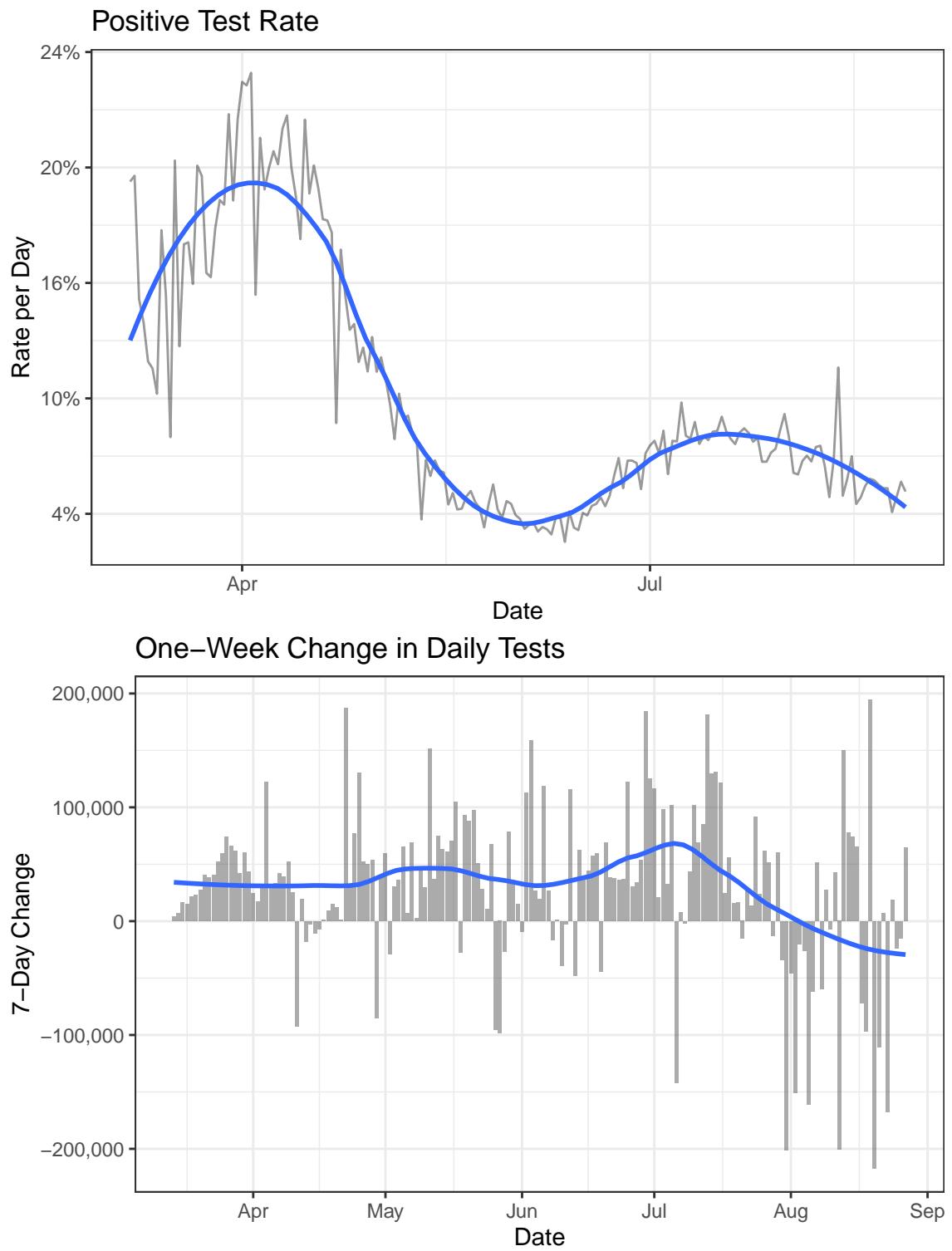
One-Week Change in Daily Cases



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.



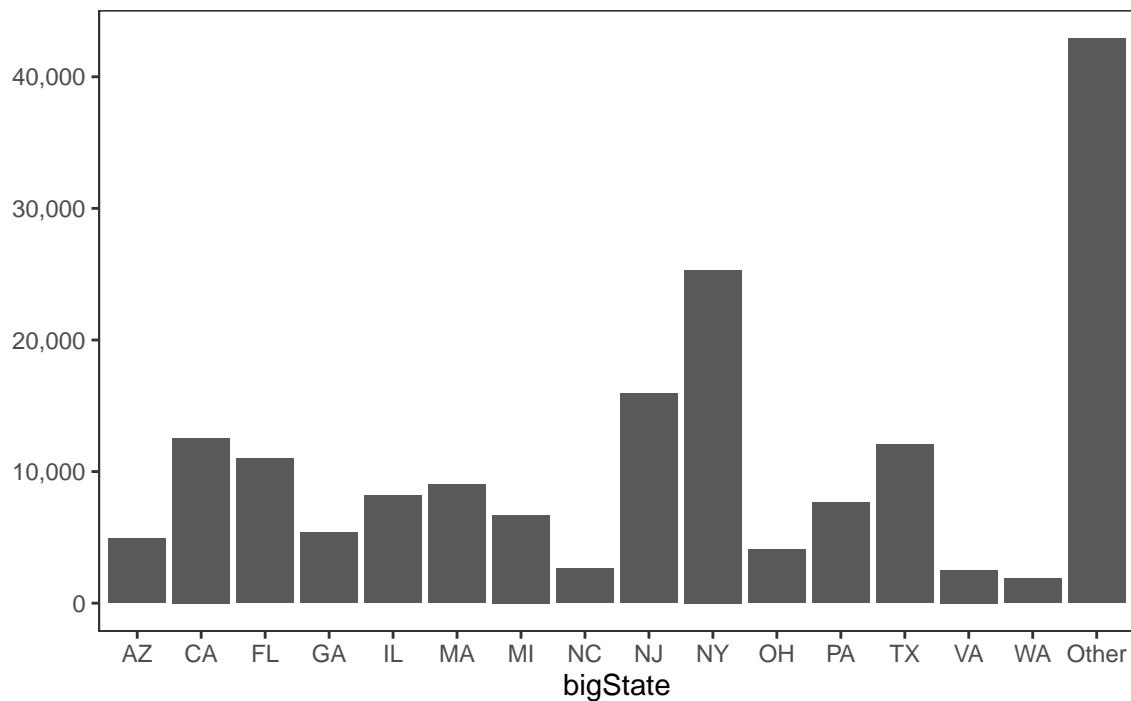


State Data

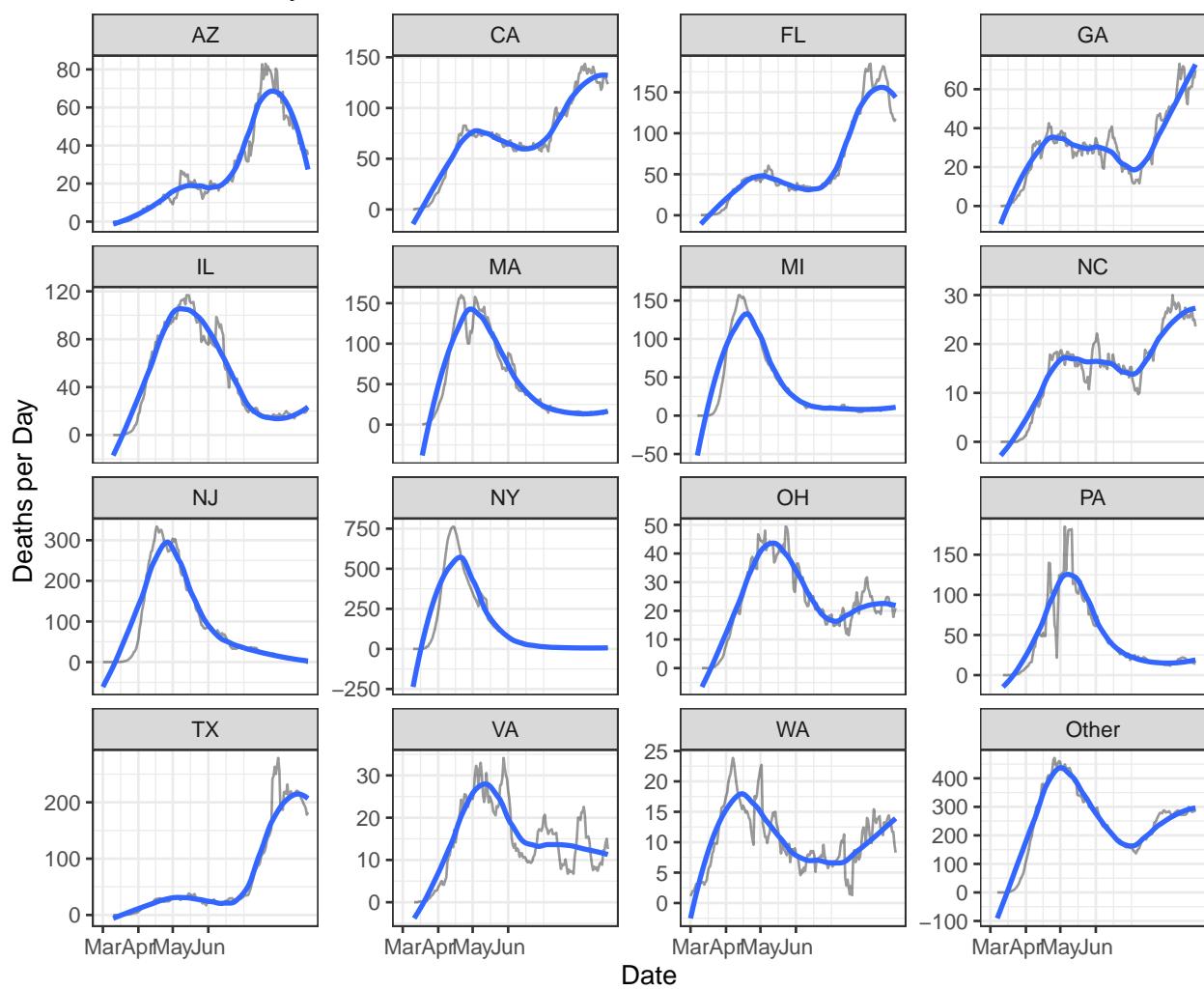
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

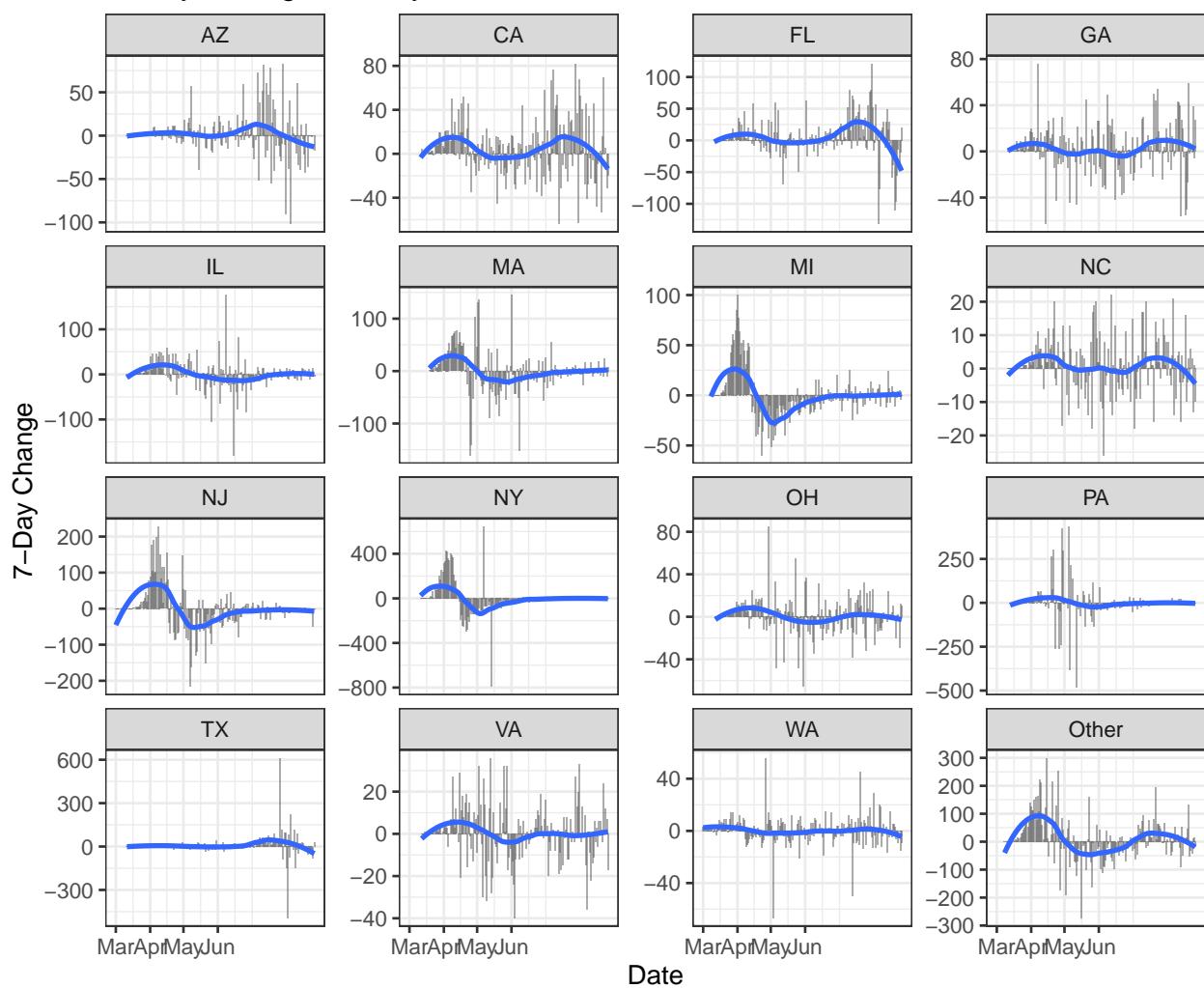
Deaths by State

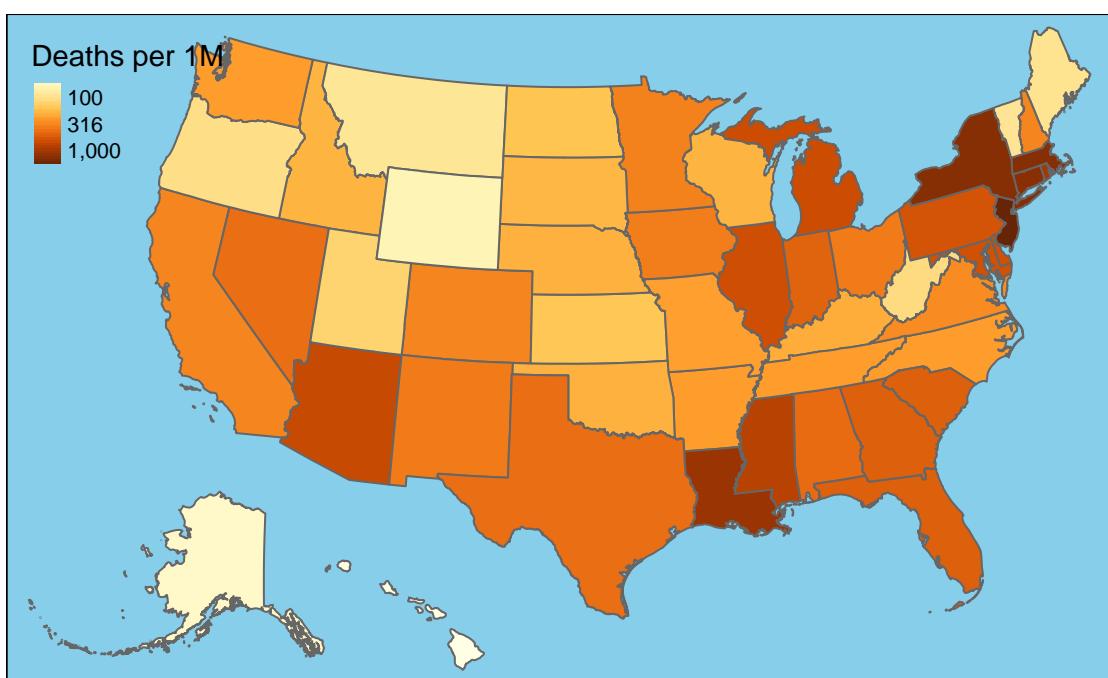
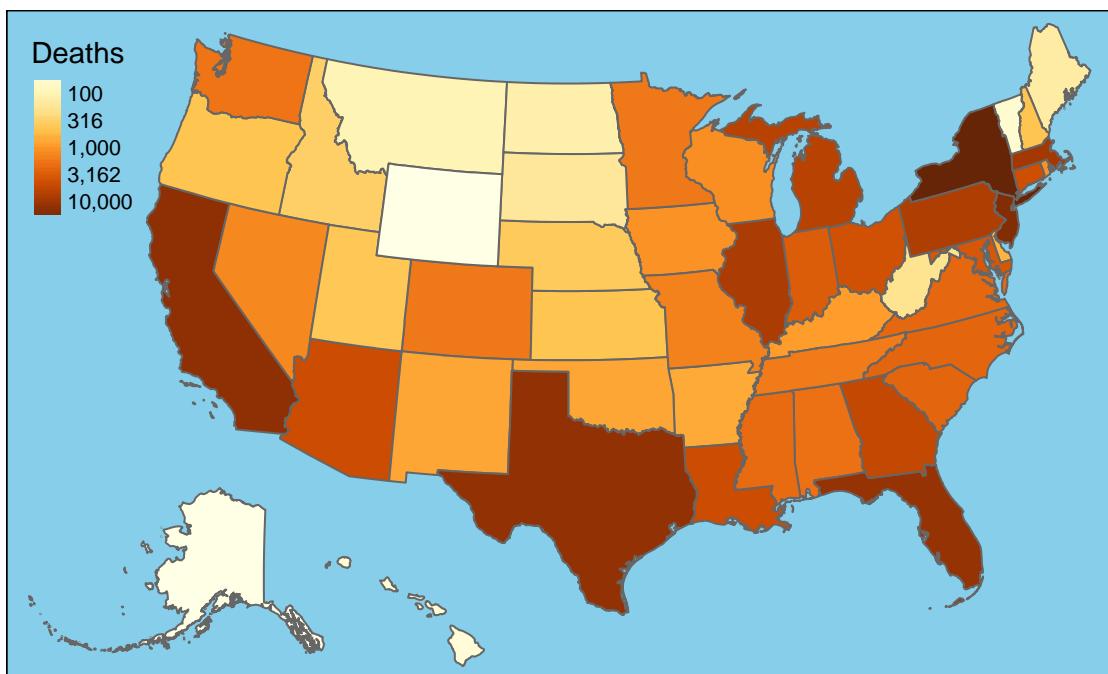


New Deaths by State



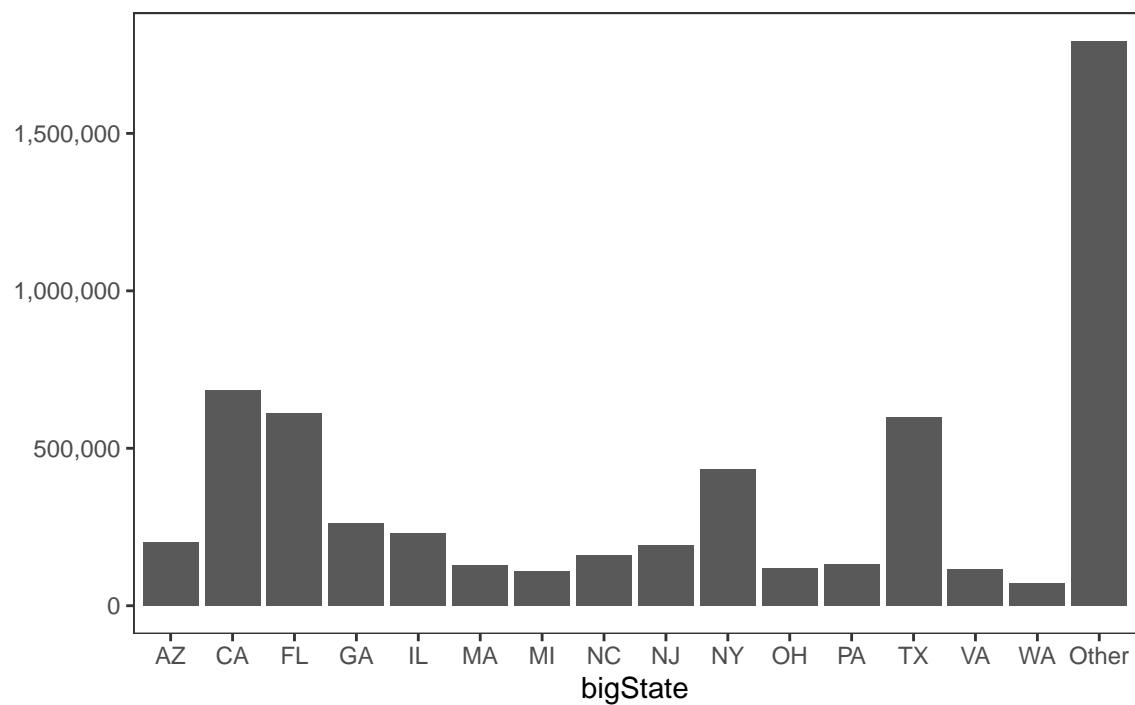
7-Day Change in Daily Deaths



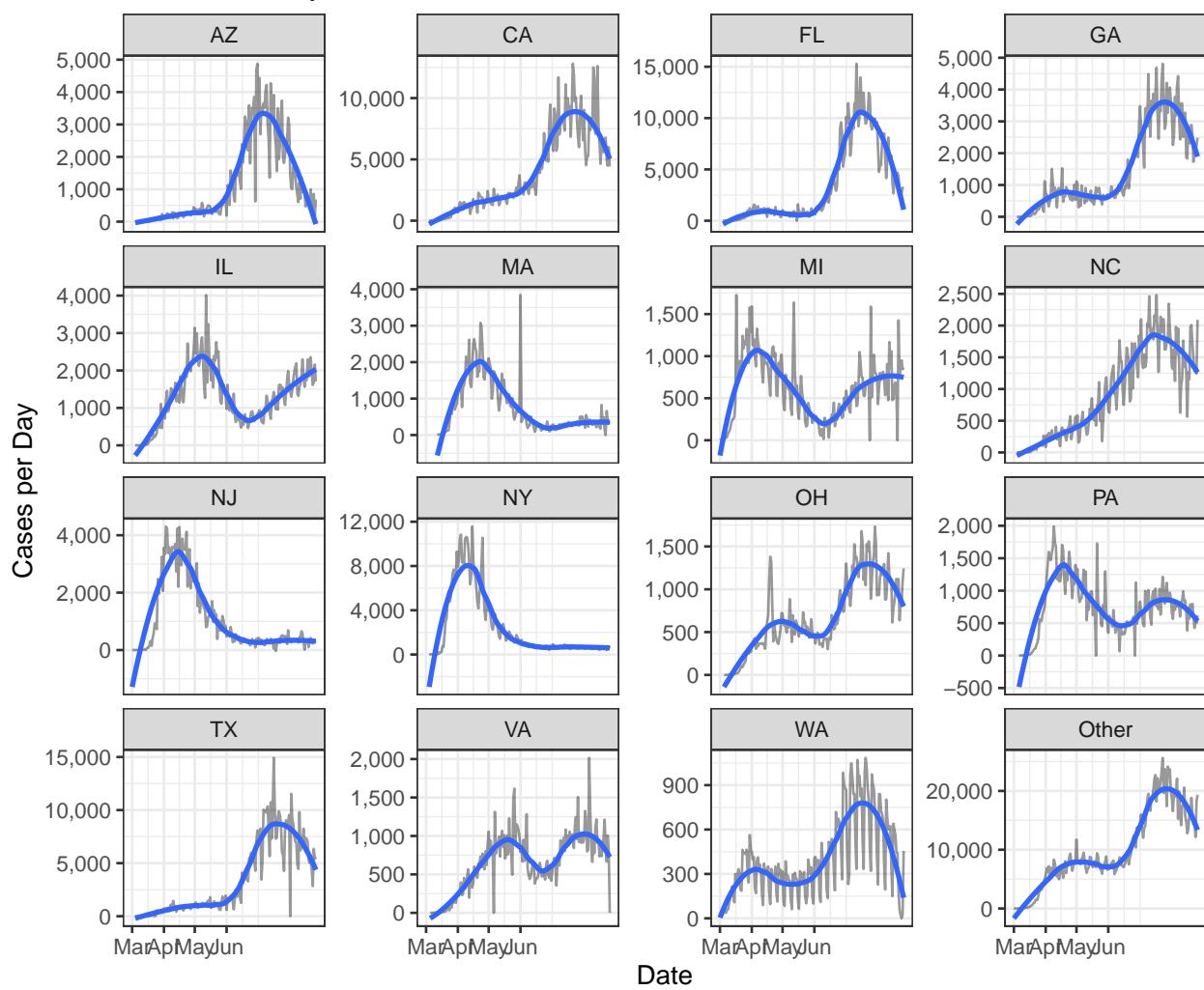


Cases

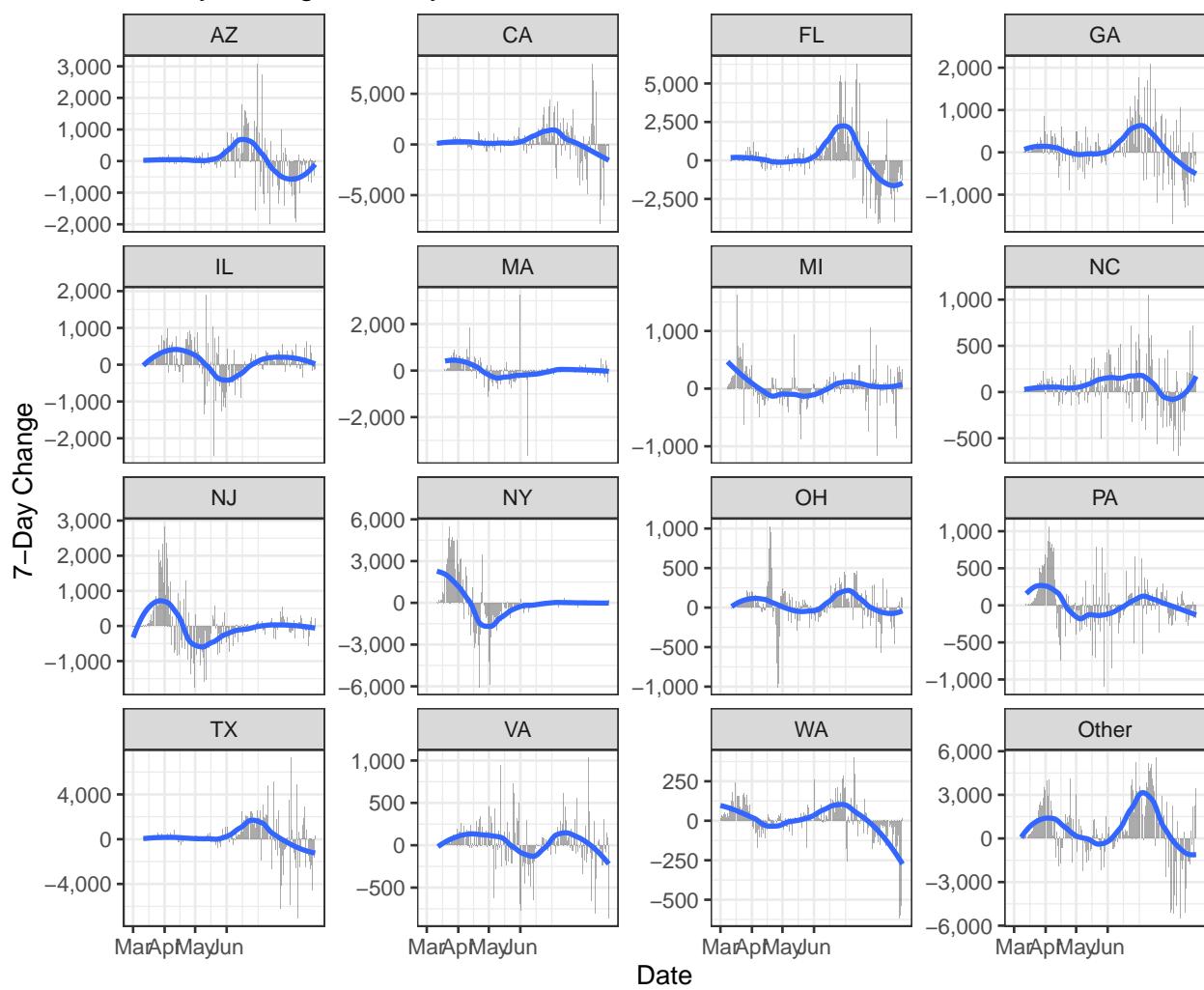
Cases by State

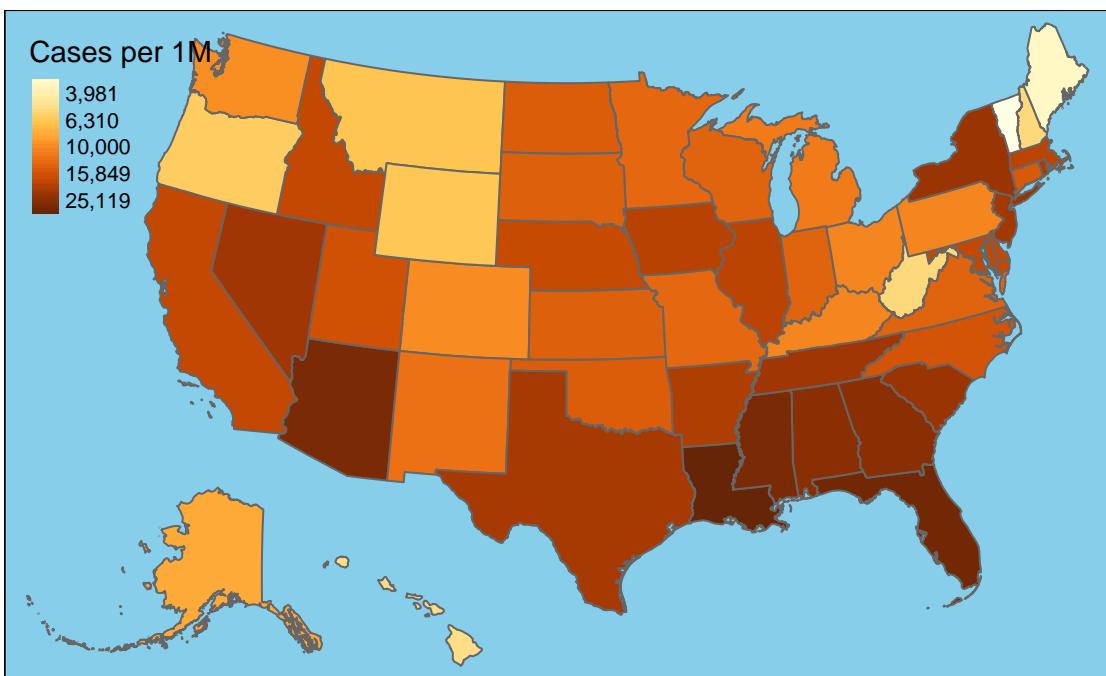
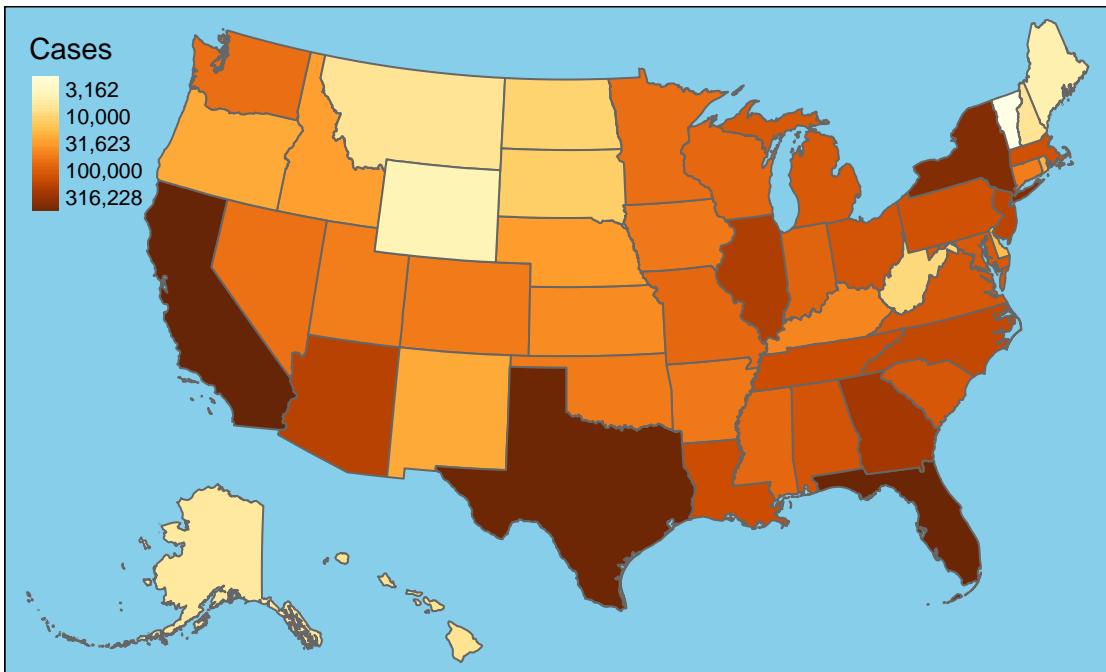


New Cases by State

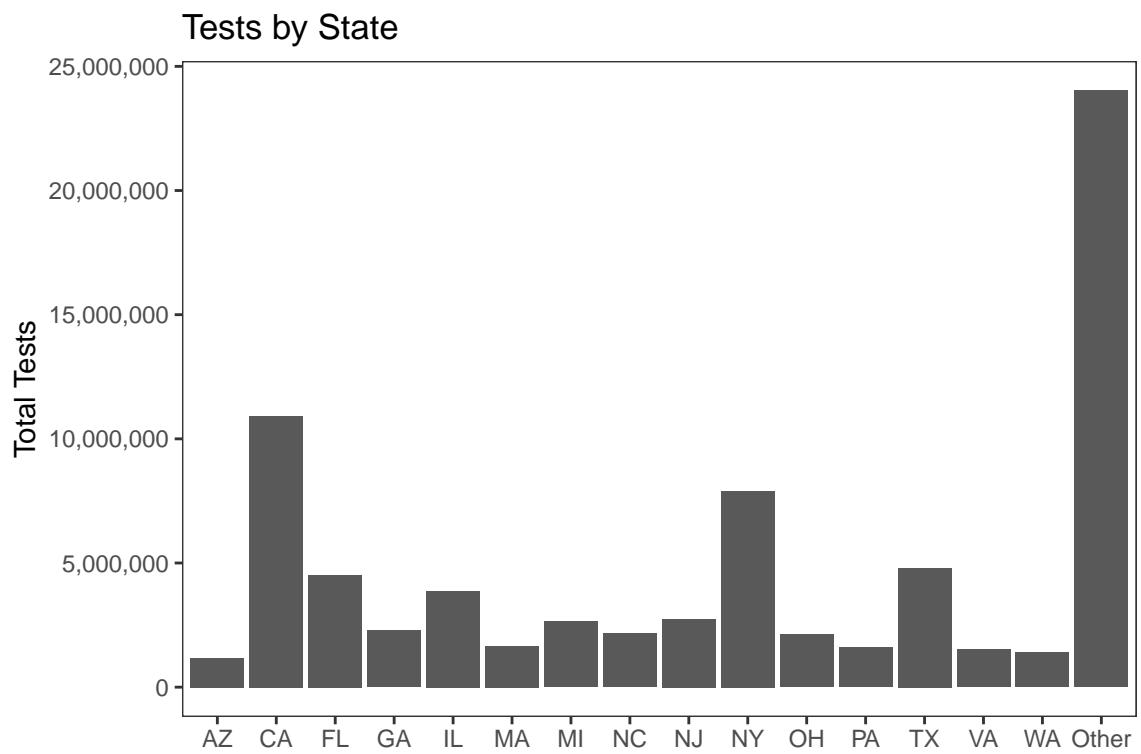


7-Day Change in Daily Cases

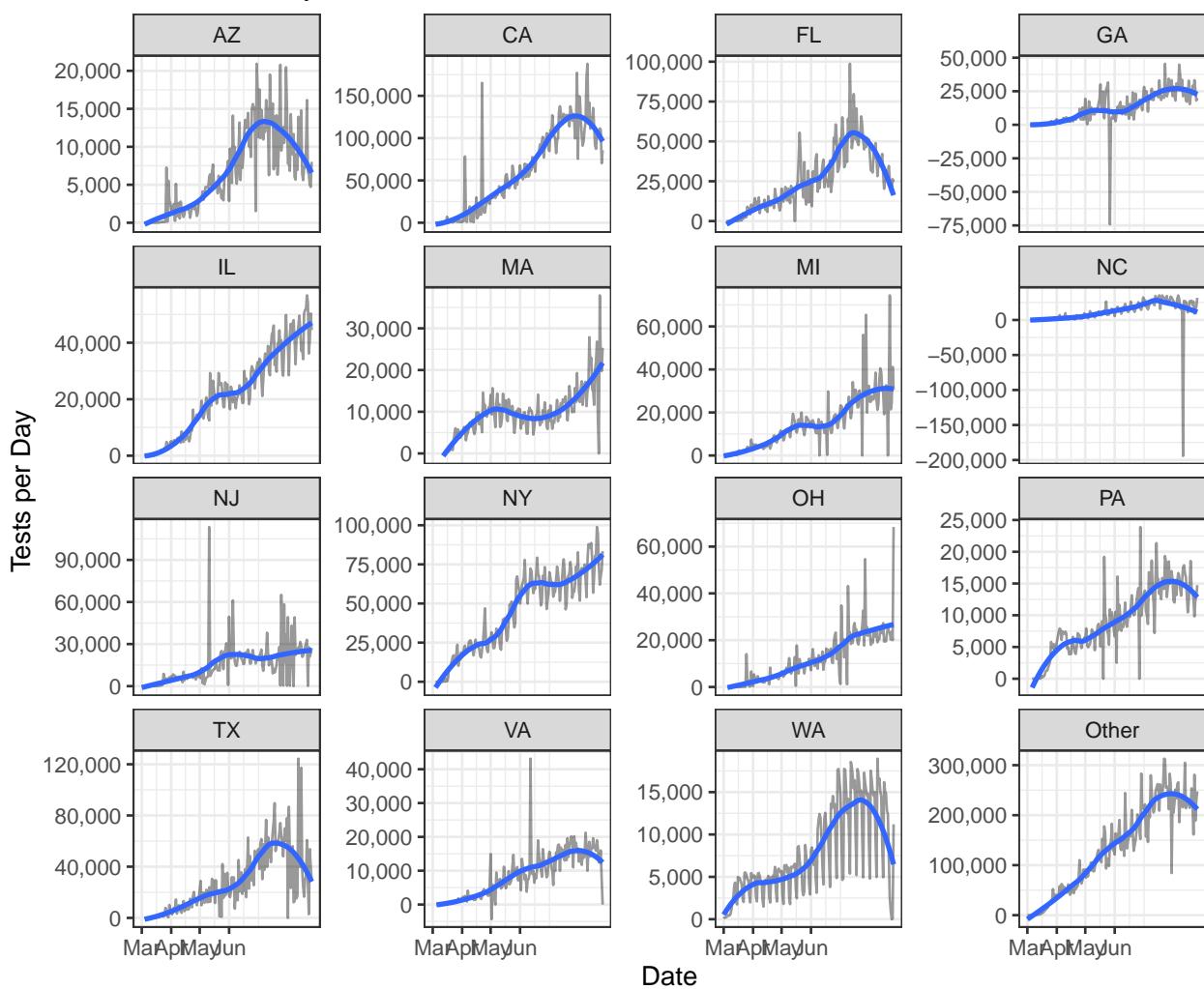


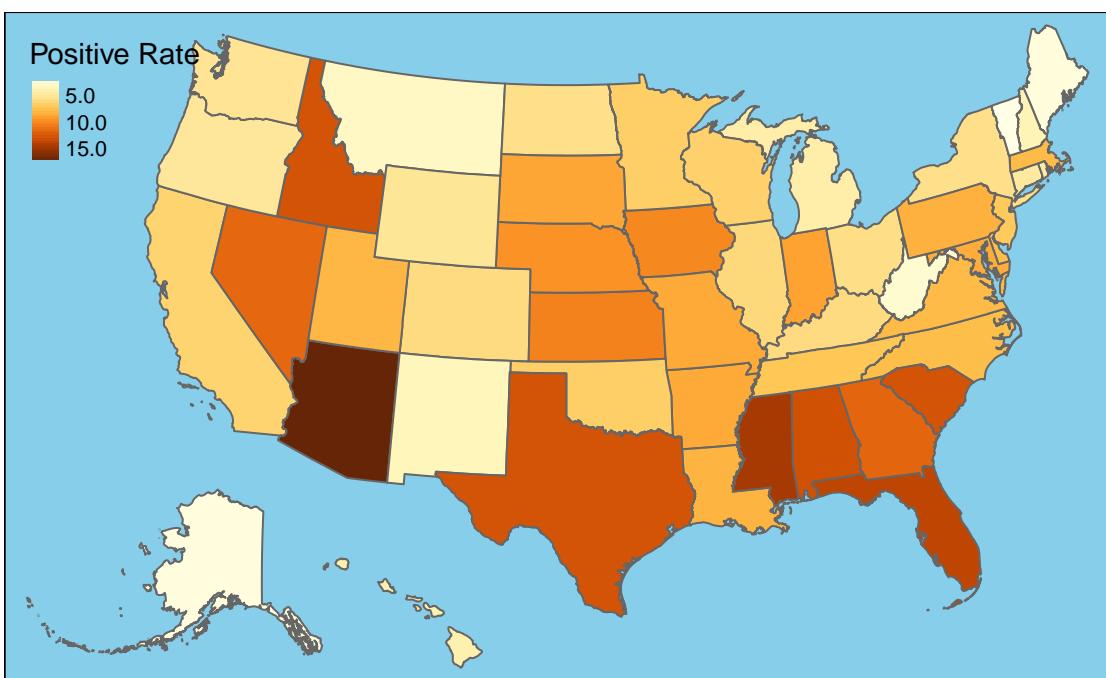
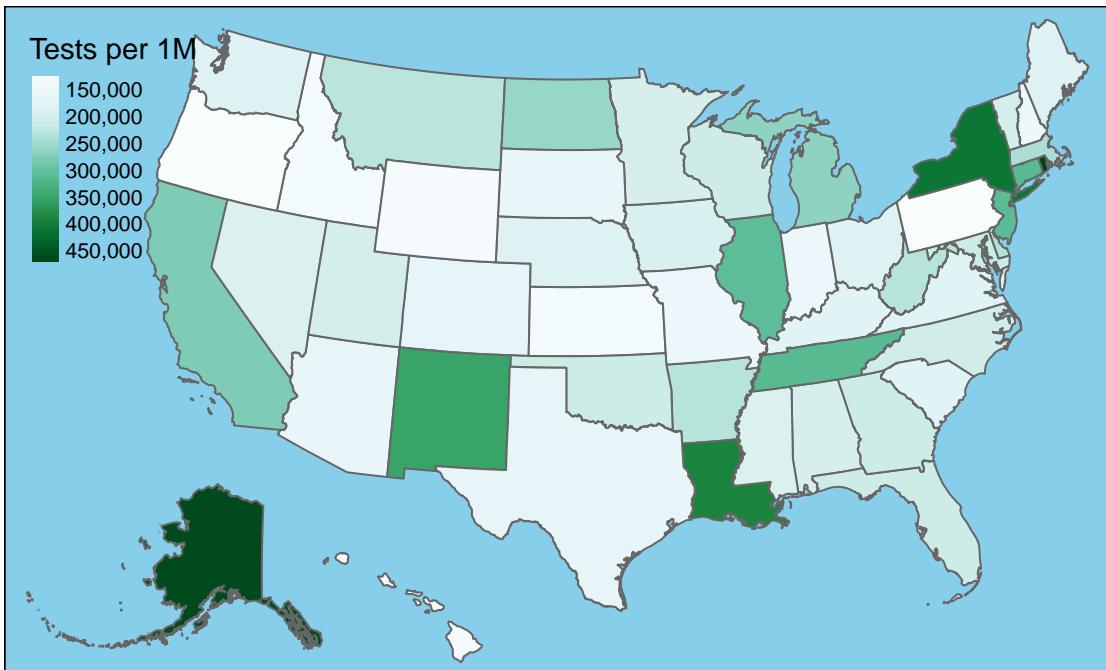


Testing



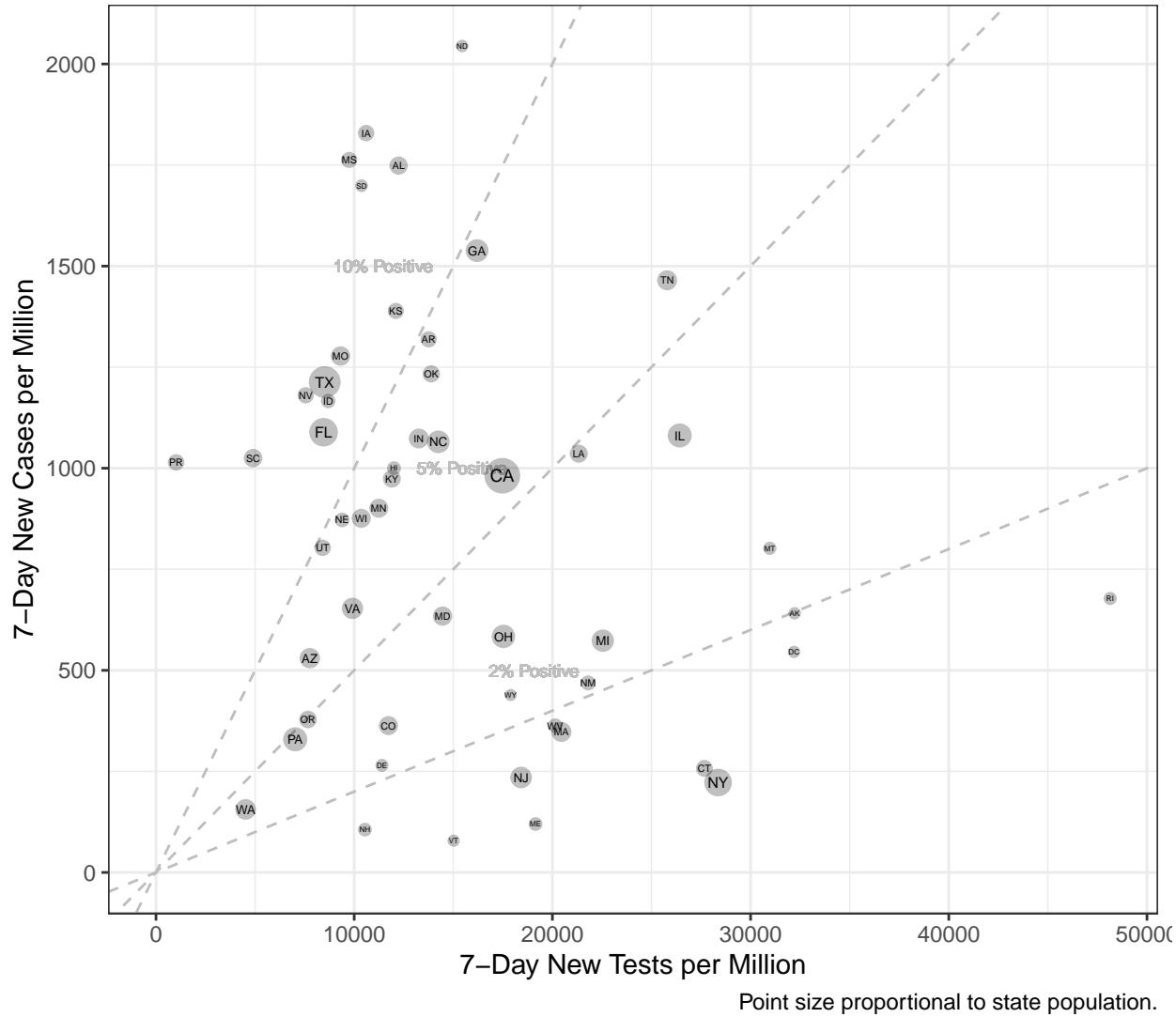
New Tests by State





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



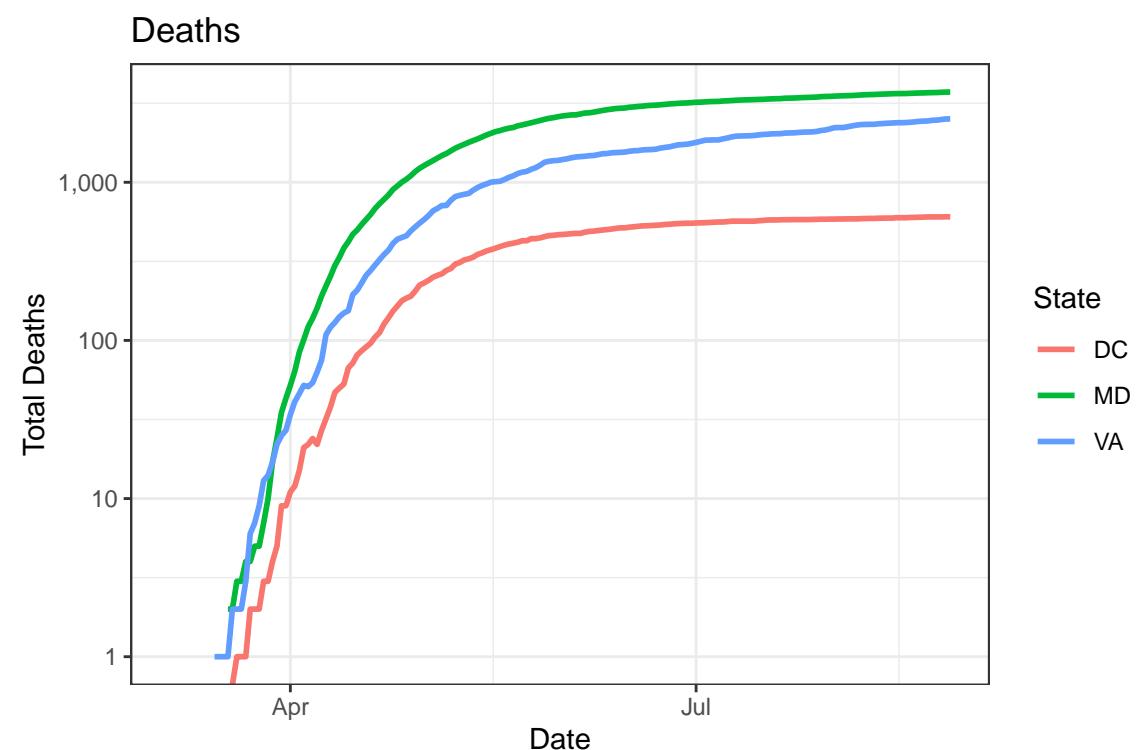
Local Data

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

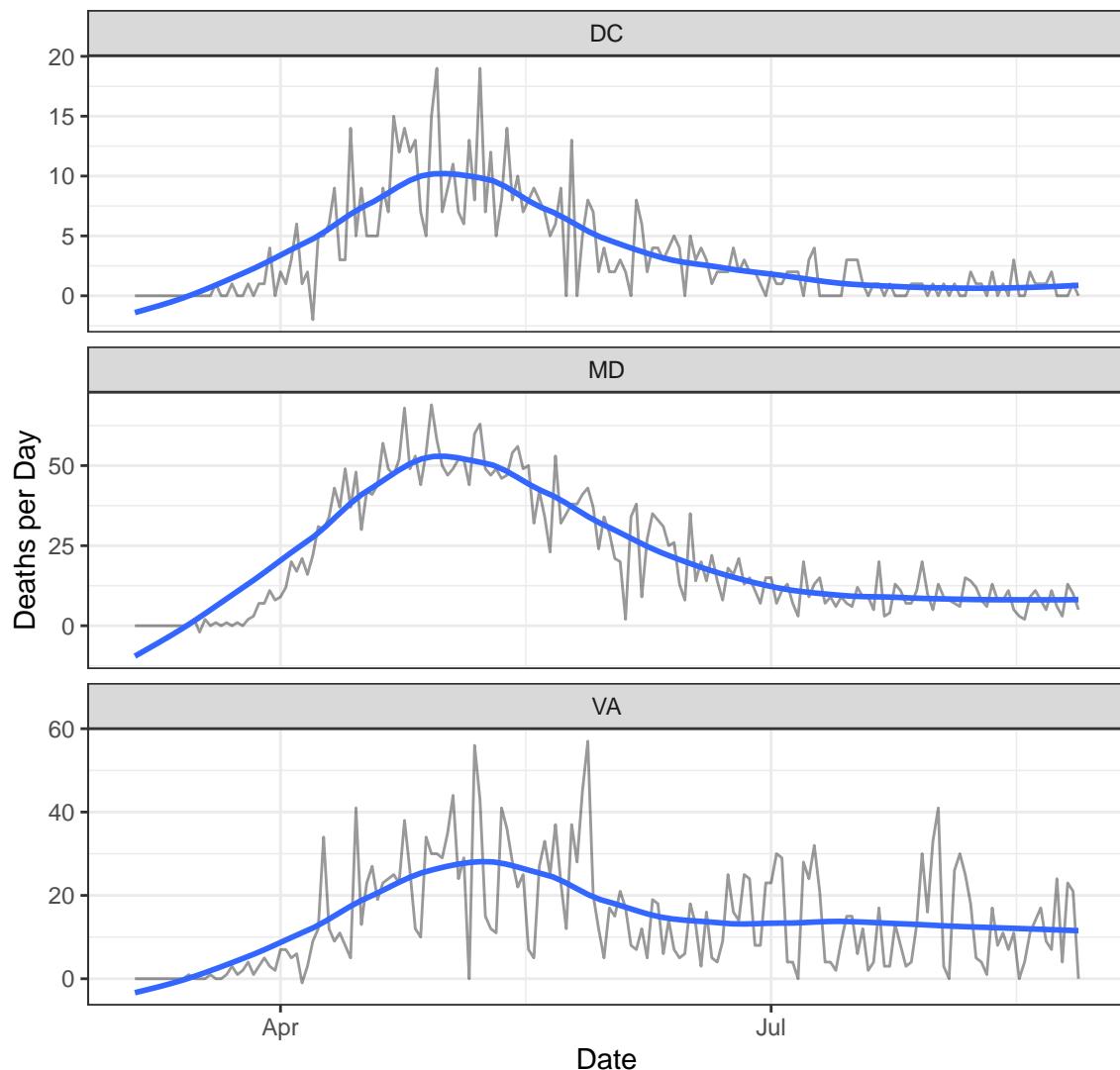
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	13,794	605	72	0
MD	106,063	3,722	577	5
VA	115,458	2,515	0	0

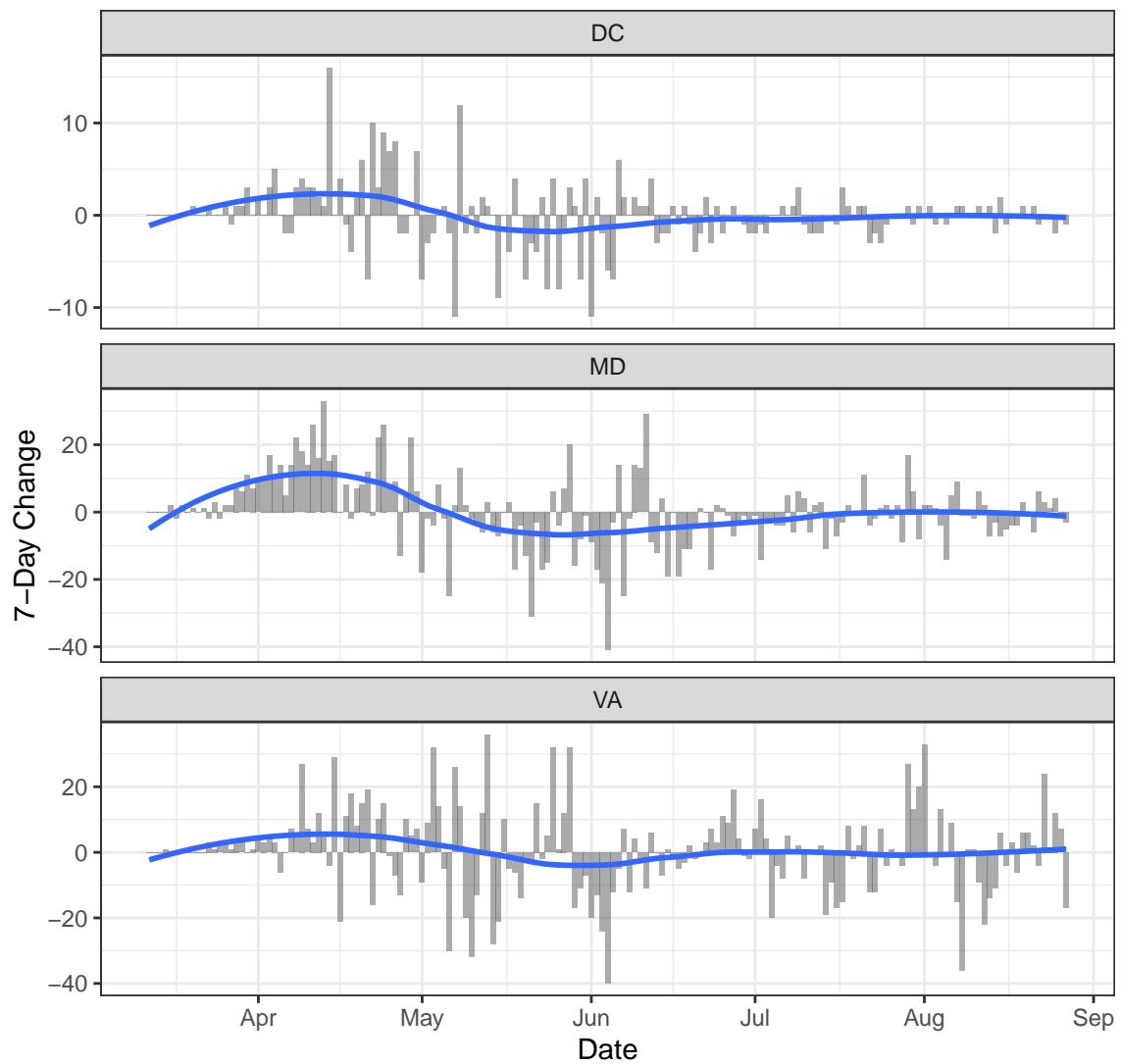
Deaths

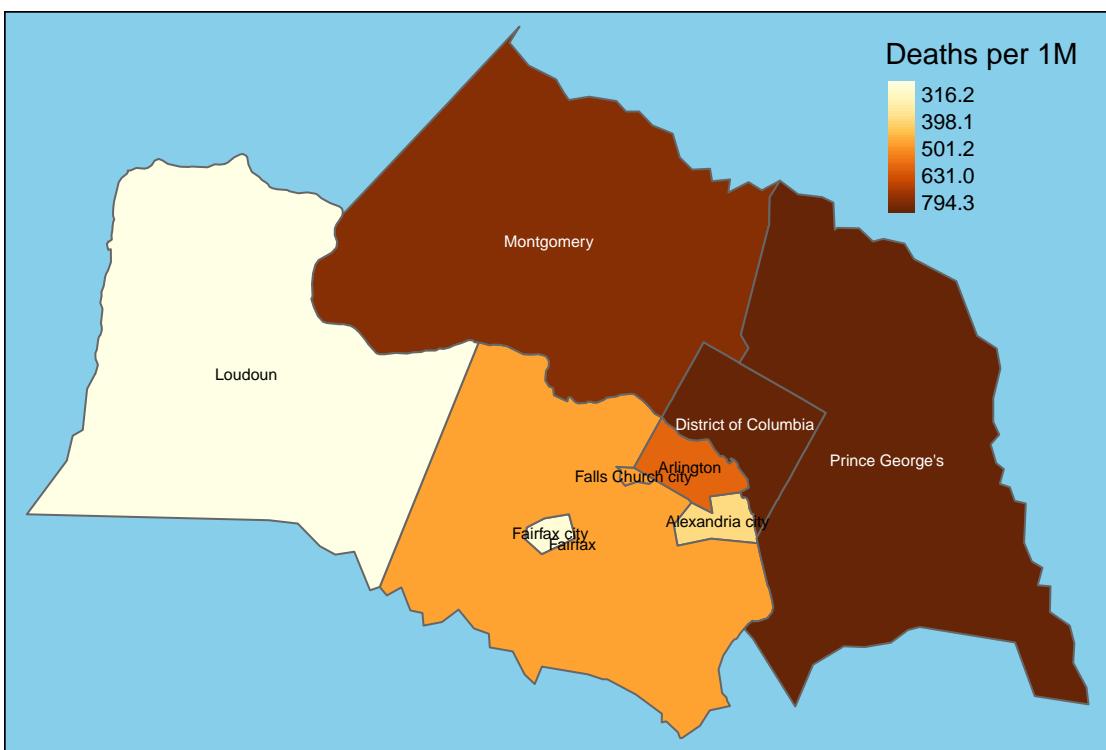
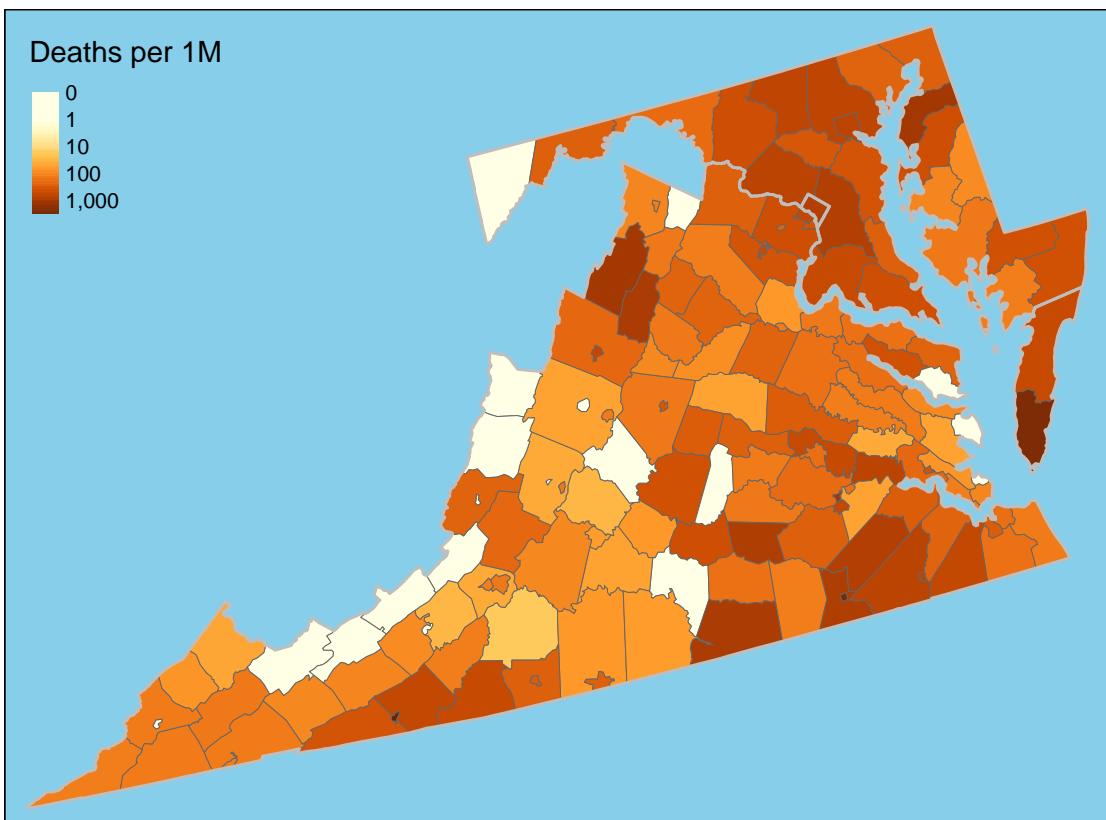


New Deaths

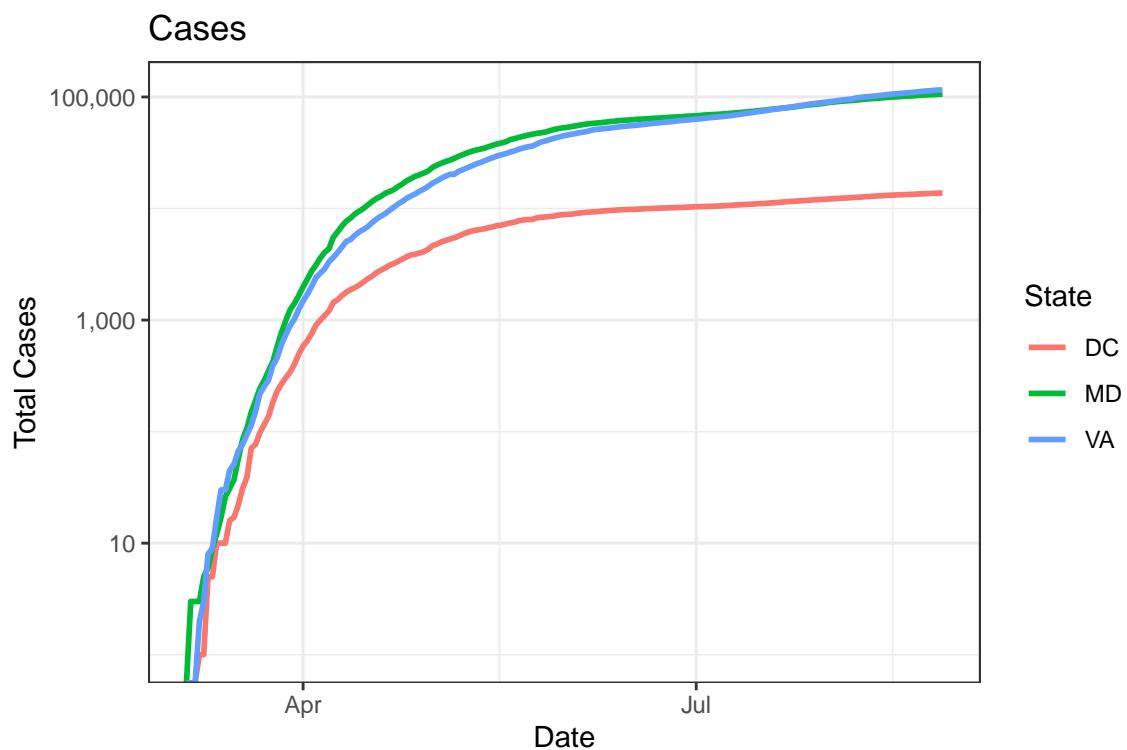


One-Week Change in Daily Deaths

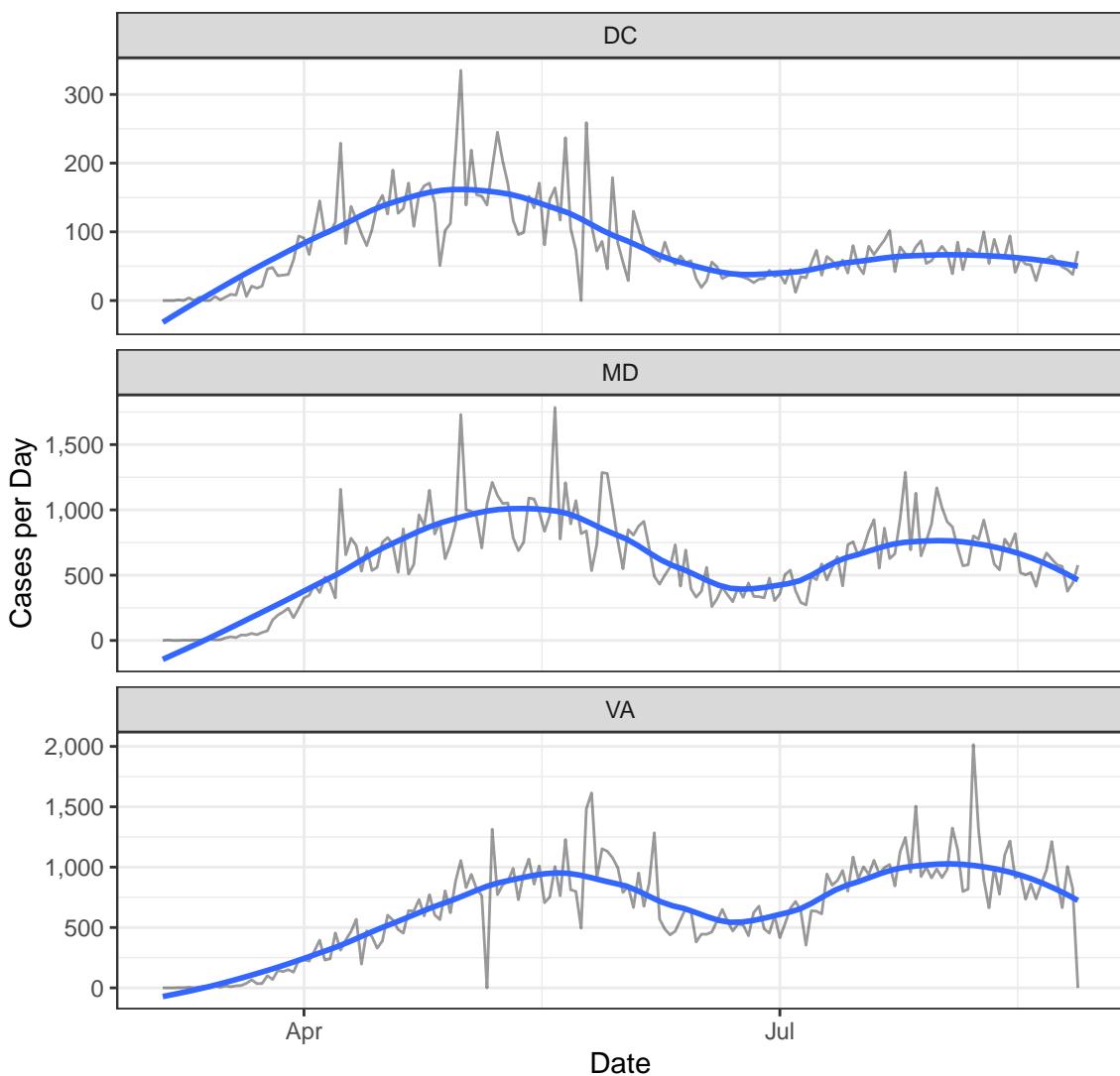




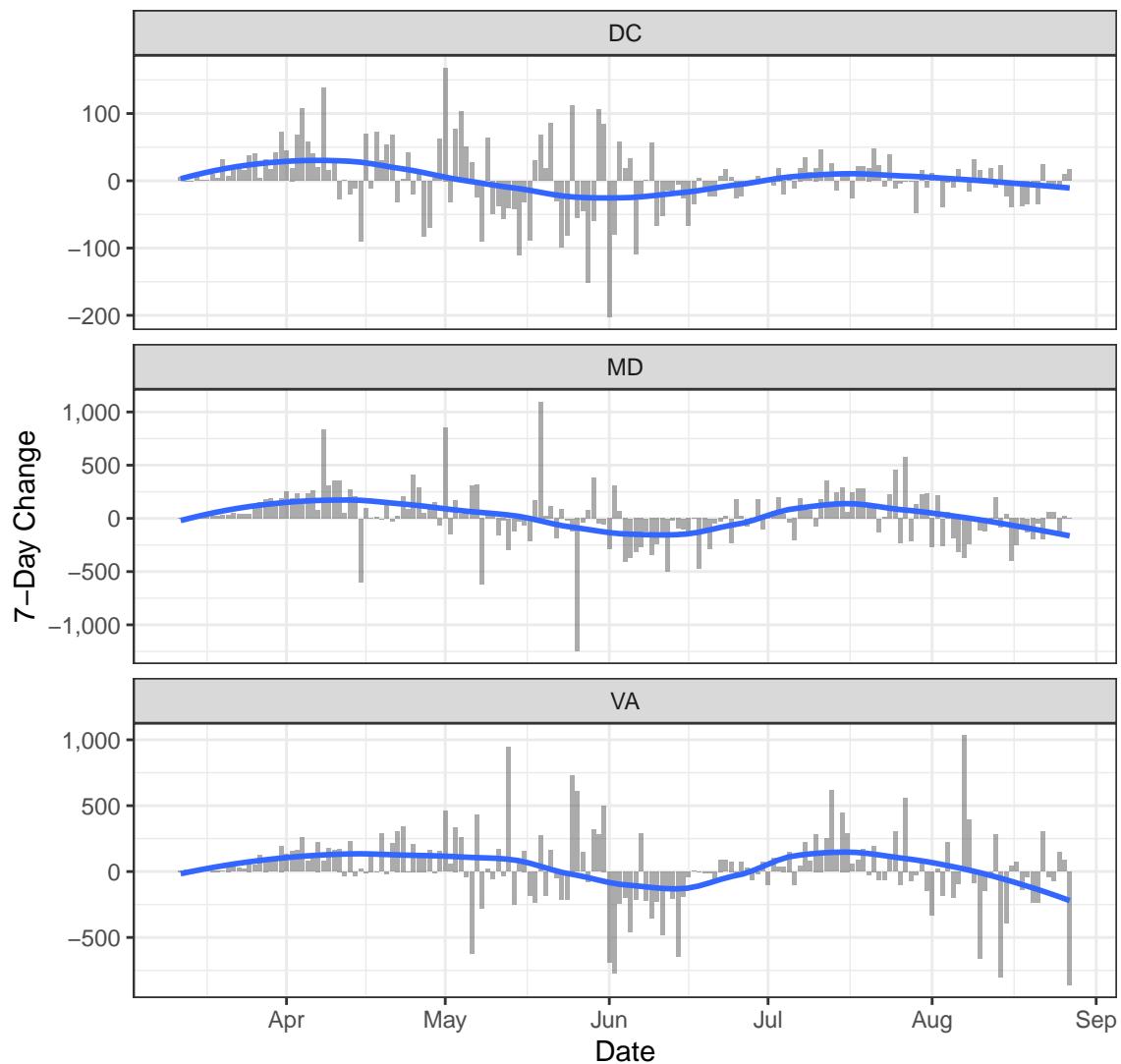
Cases

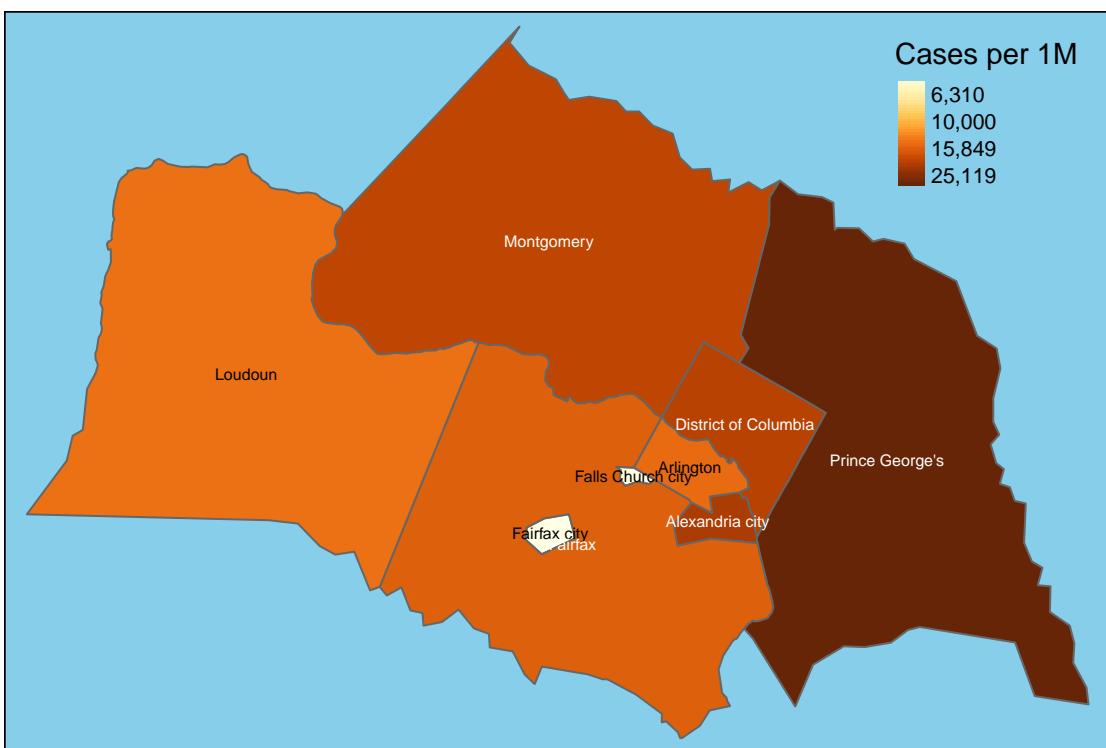
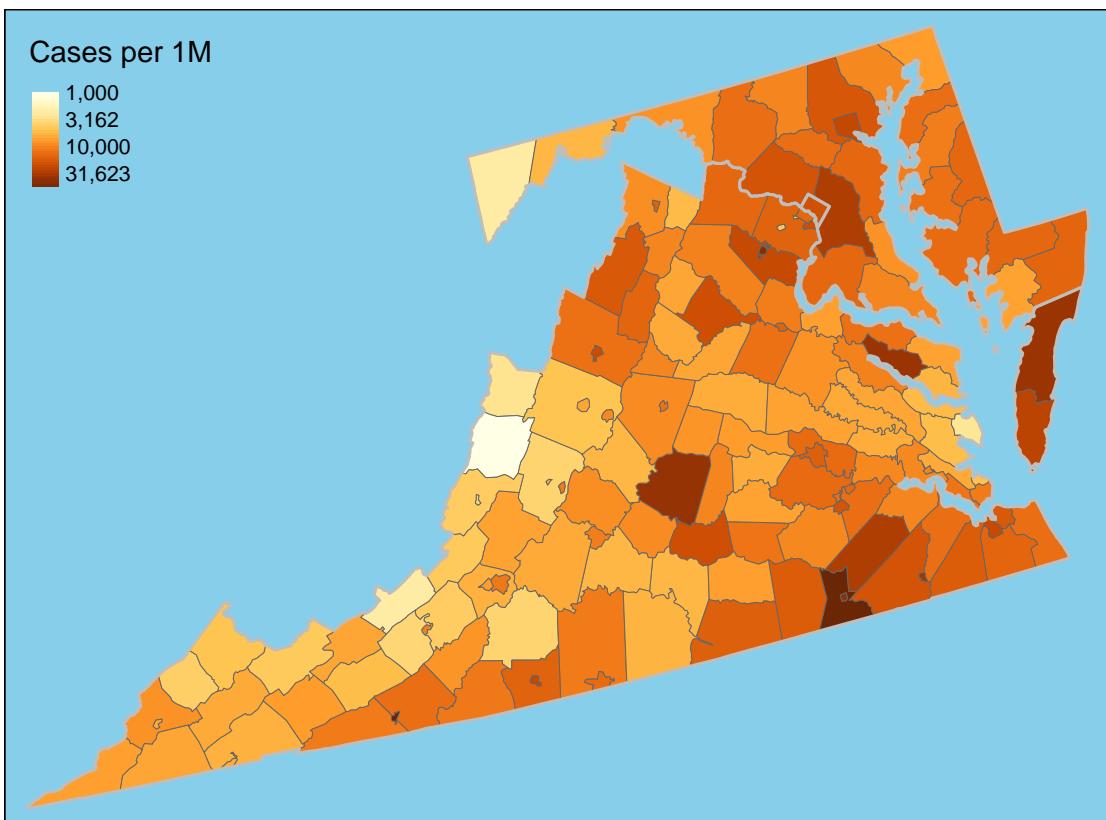


New Cases

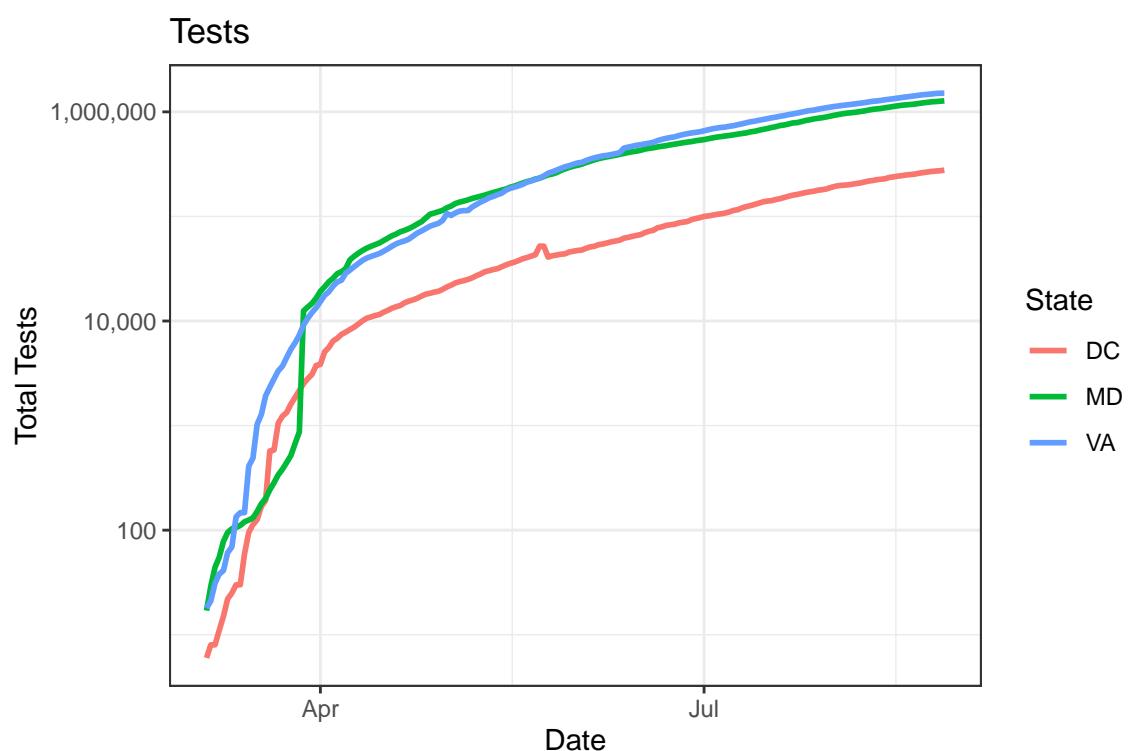


One-Week Change in Daily Cases

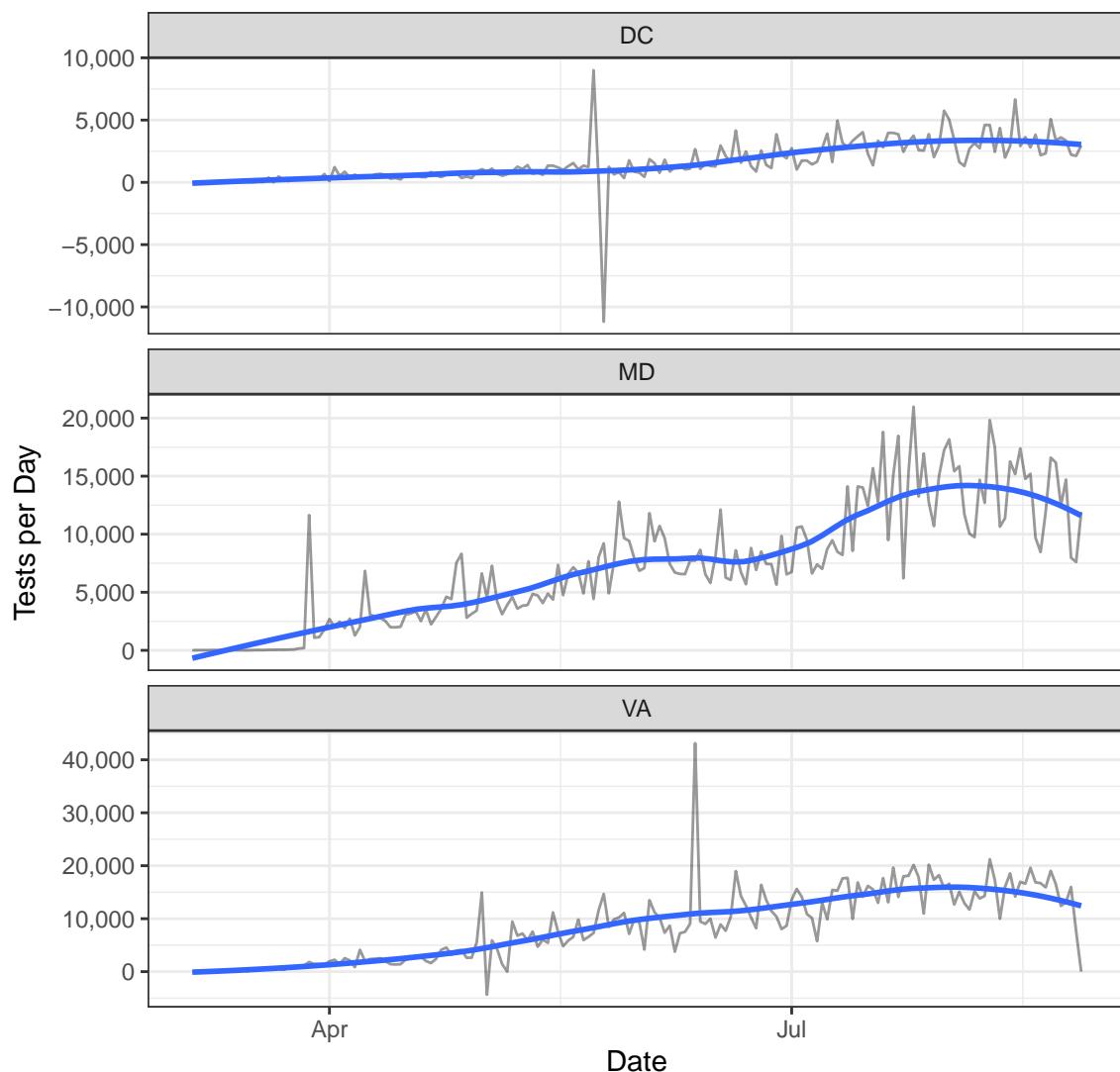




Testing



New Tests



Positive Test Rate

