

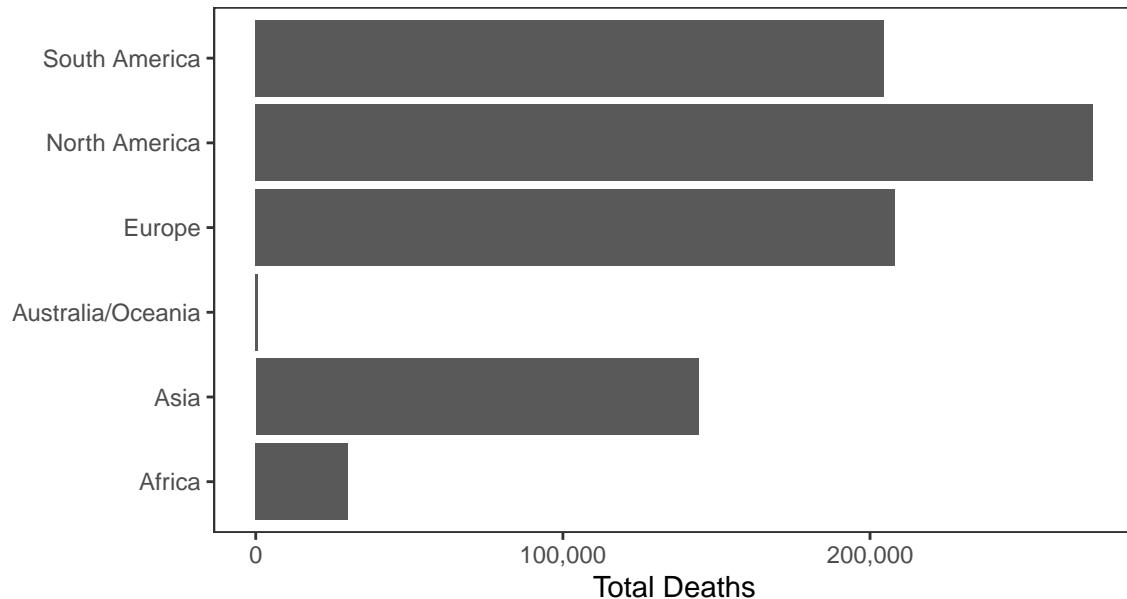
Erik's Covid-19 Chart Pack

Data updated 2020-09-02 08:35:11. 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 25,892,040 confirmed Covid-19 cases and 860,322 deaths worldwide.

Deaths



Cases

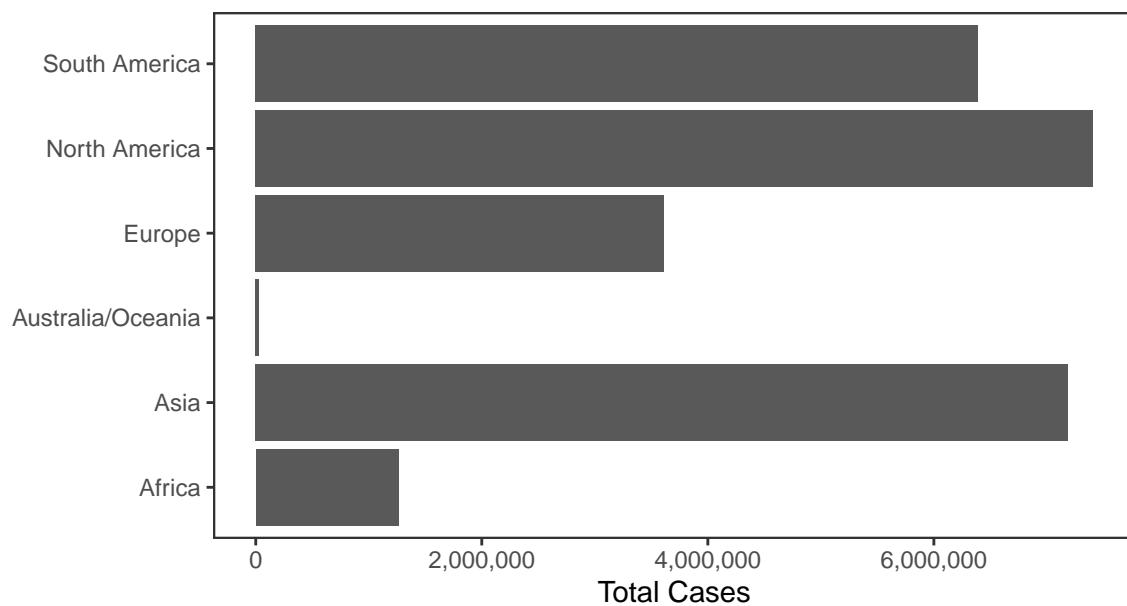
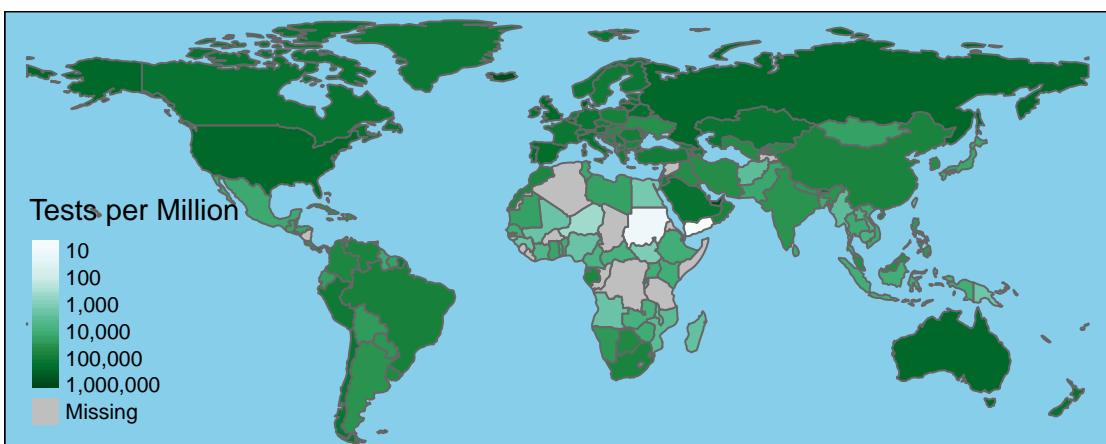
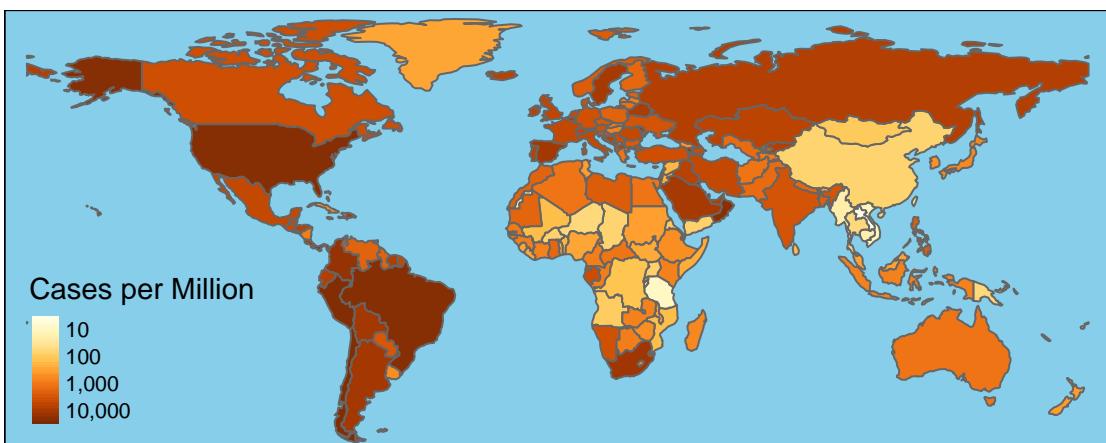
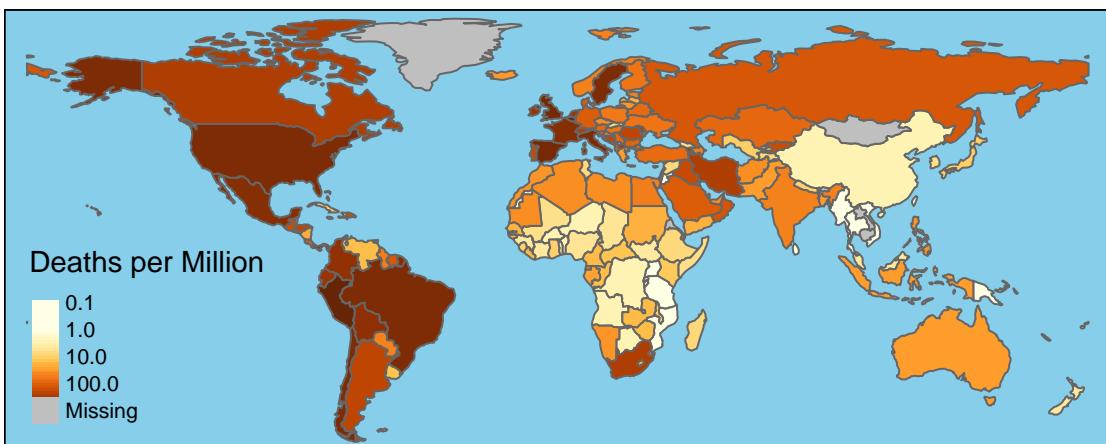


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,257,571	188,900	41,979	1,164
Brazil	3,952,790	122,681	41,889	1,166
India	3,766,108	66,460	78,169	1,025
Russia	1,000,048	17,299	4,729	123
Peru	657,129	29,068	5,092	124
South Africa	628,259	14,263	1,218	114
Colombia	624,069	20,052	8,901	389
Mexico	599,560	64,414	3,719	256
Spain	470,973	29,152	8,115	58
Argentina	428,239	8,919	10,504	259
Chile	413,145	11,321	1,419	32
Iran	376,894	21,672	1,682	101
UK	337,168	41,504	1,295	3
Saudi Arabia	316,670	3,929	898	32
Bangladesh	314,946	4,316	1,950	35
Pakistan	296,149	6,298	300	4
France	286,007	30,661	4,982	26
Turkey	271,705	6,417	1,572	47
Italy	270,189	35,491	978	8
Germany	246,001	9,381	1,209	10



National Data

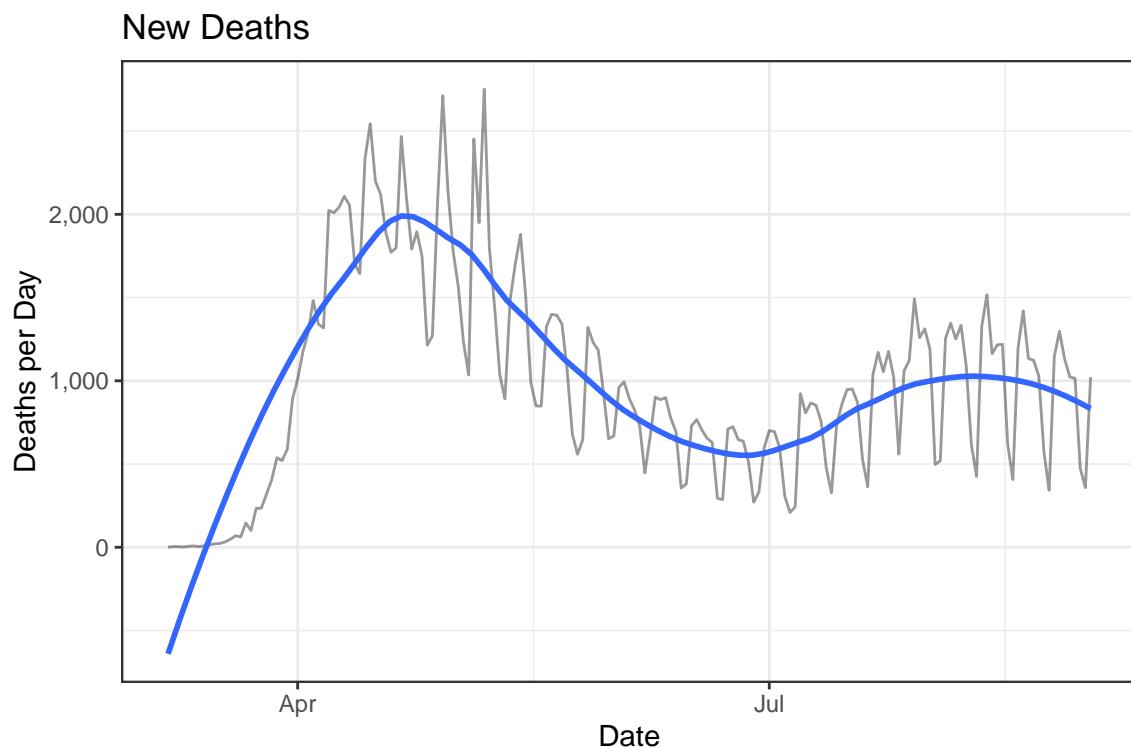
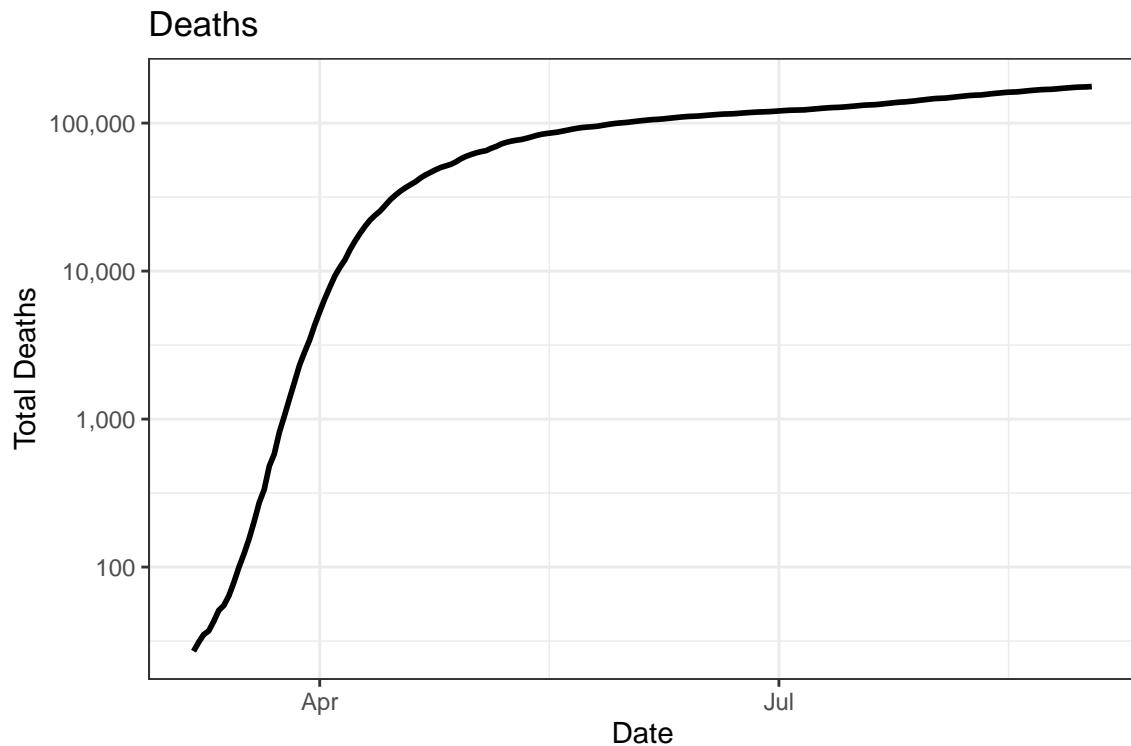
There have been 6,041,860 confirmed Covid-19 cases and 176,624 deaths in the United States.

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

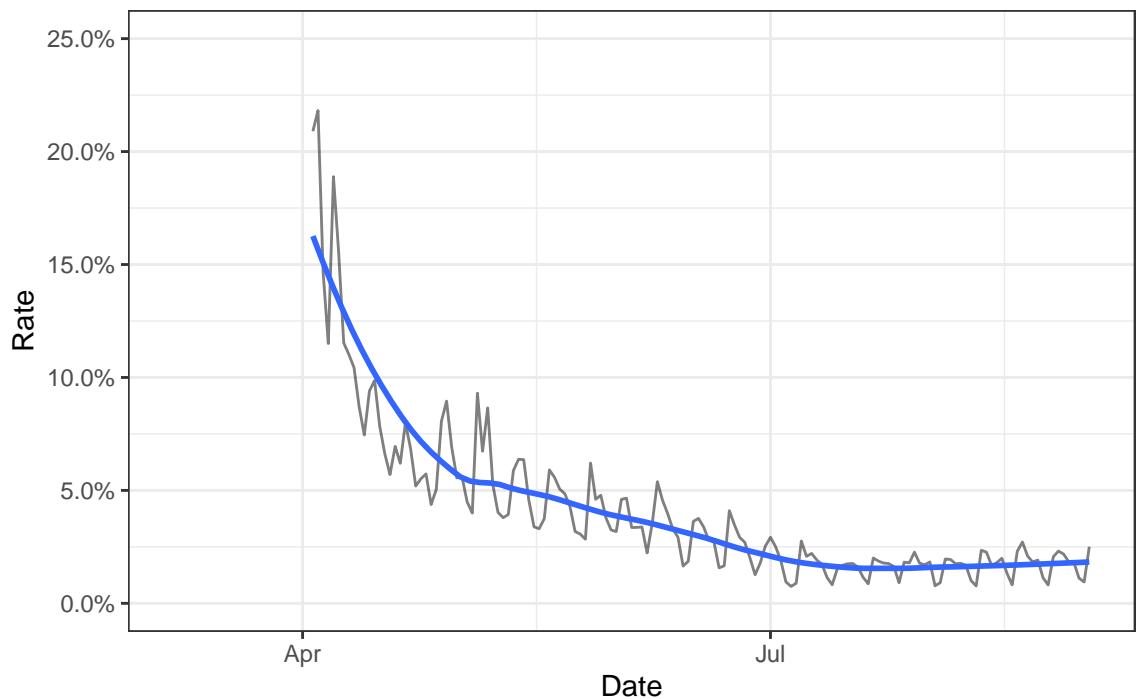
Date	Cases	Deaths	New Cases	New Deaths
2020-09-01	6,041,860	176,624	42,401	1,022
2020-08-31	5,999,459	175,602	31,406	358
2020-08-30	5,968,053	175,244	39,498	475
2020-08-29	5,928,555	174,769	44,502	1,015
2020-08-28	5,884,053	173,754	46,546	1,023
2020-08-27	5,837,507	172,731	43,984	1,129
2020-08-26	5,793,523	171,602	43,356	1,298
2020-08-25	5,750,167	170,304	36,374	1,147
2020-08-24	5,713,793	169,157	34,641	343
2020-08-23	5,679,152	168,814	37,567	572
2020-08-22	5,641,585	168,242	46,242	1,029
2020-08-21	5,595,343	167,213	46,562	1,123
2020-08-20	5,548,781	166,090	43,758	1,134
2020-08-19	5,505,023	164,956	44,953	1,420

Deaths

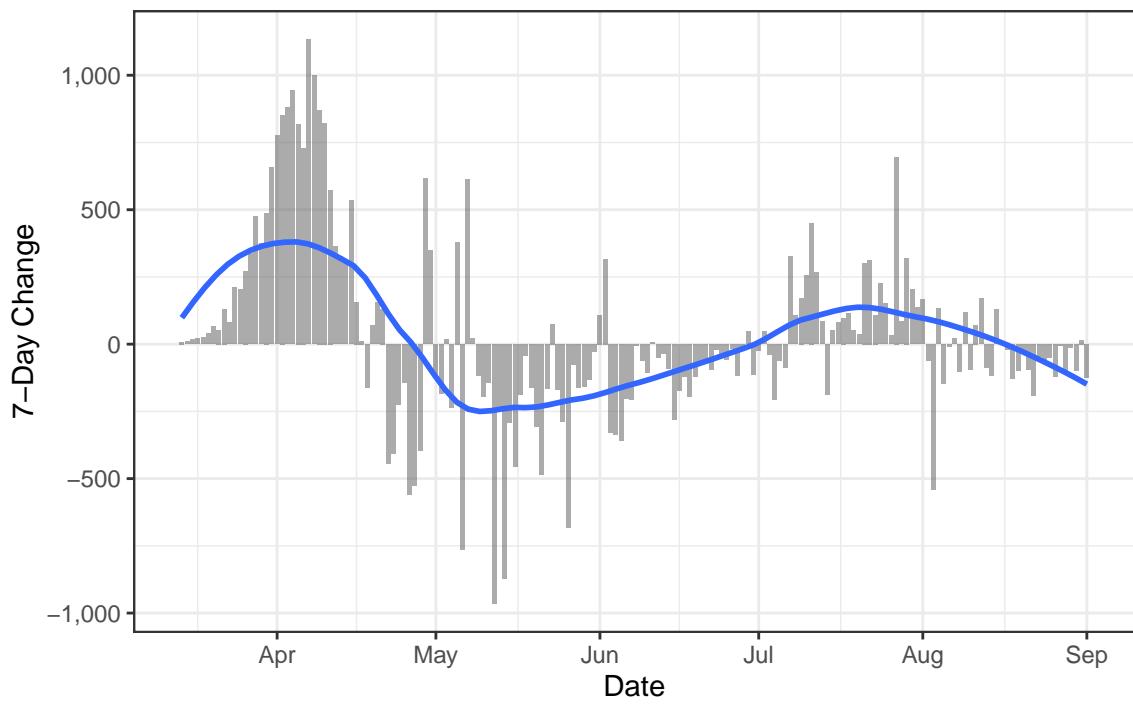
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

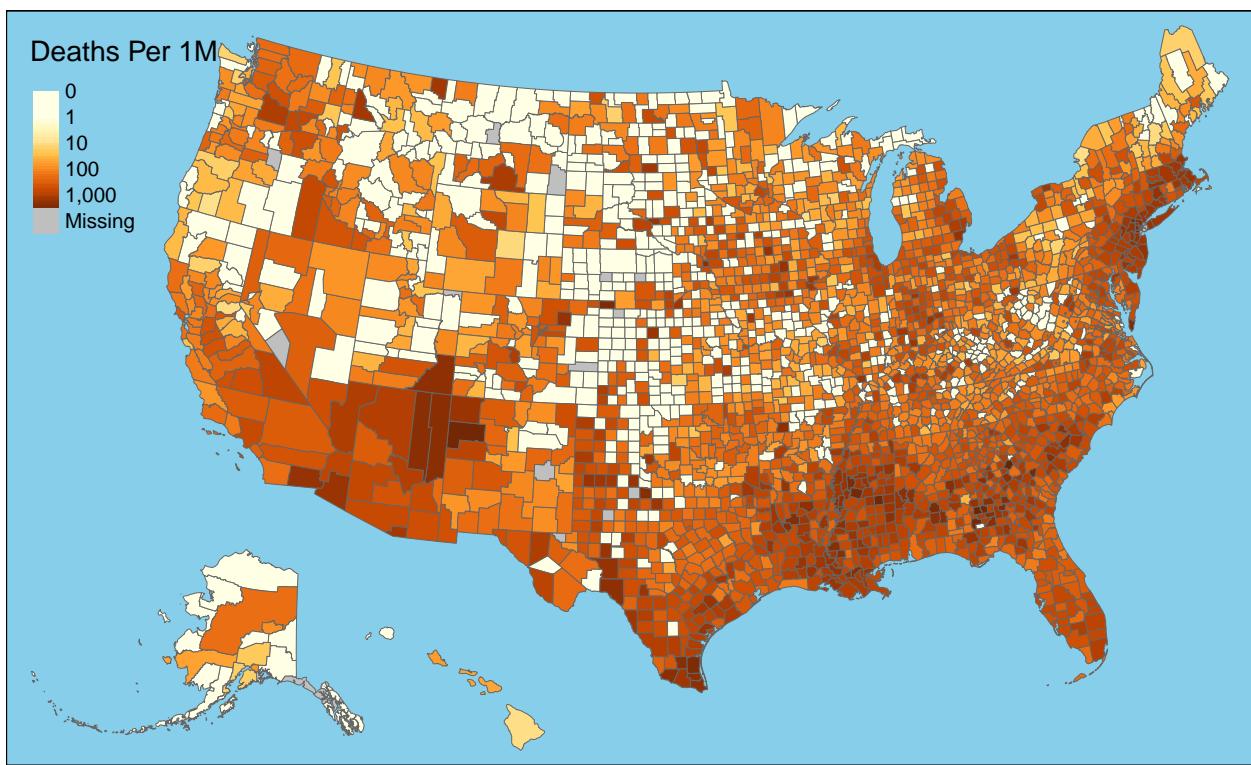


Daily Case Mortality Rate



One-Week Change in Daily Deaths

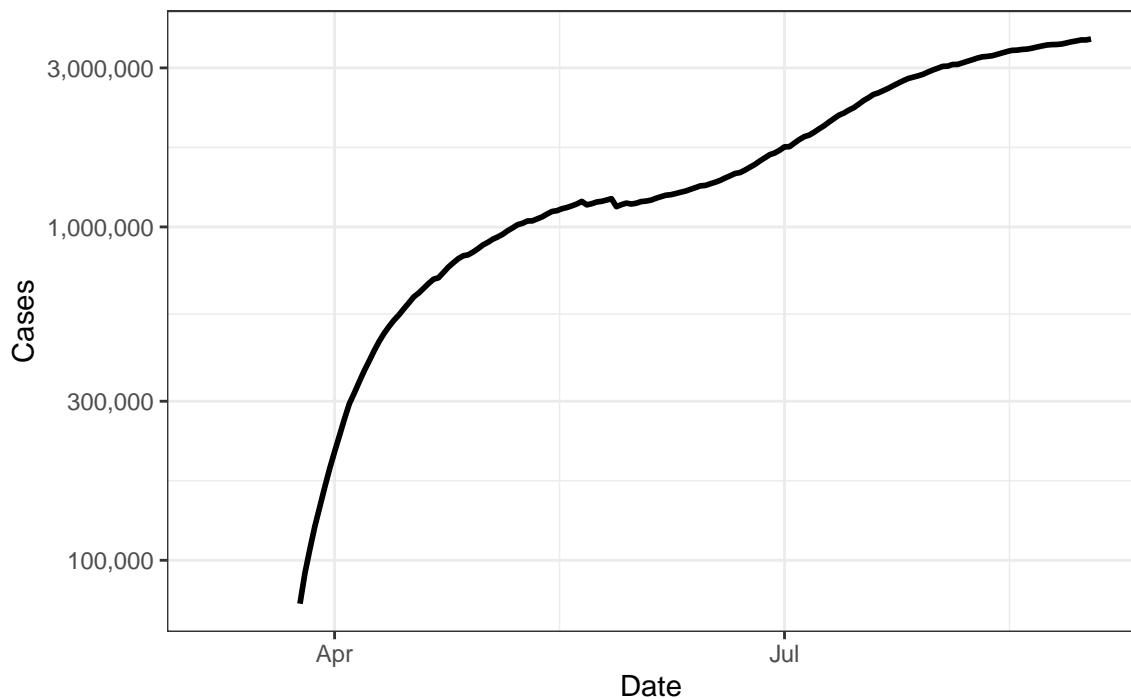




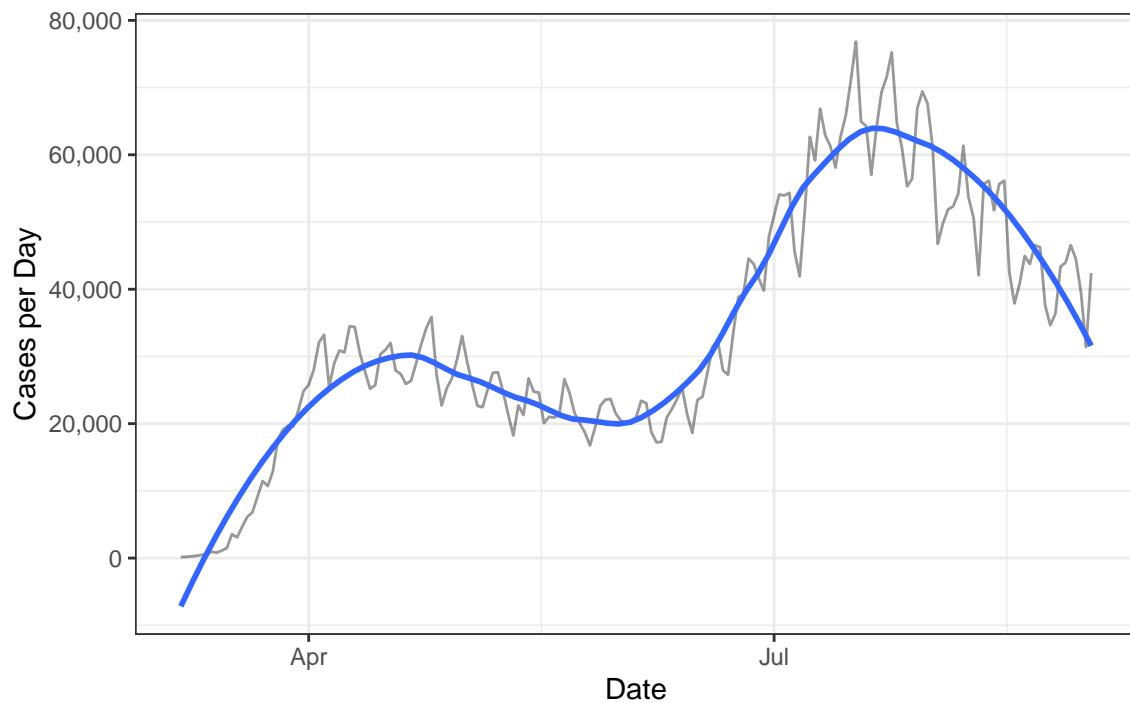
Cases

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

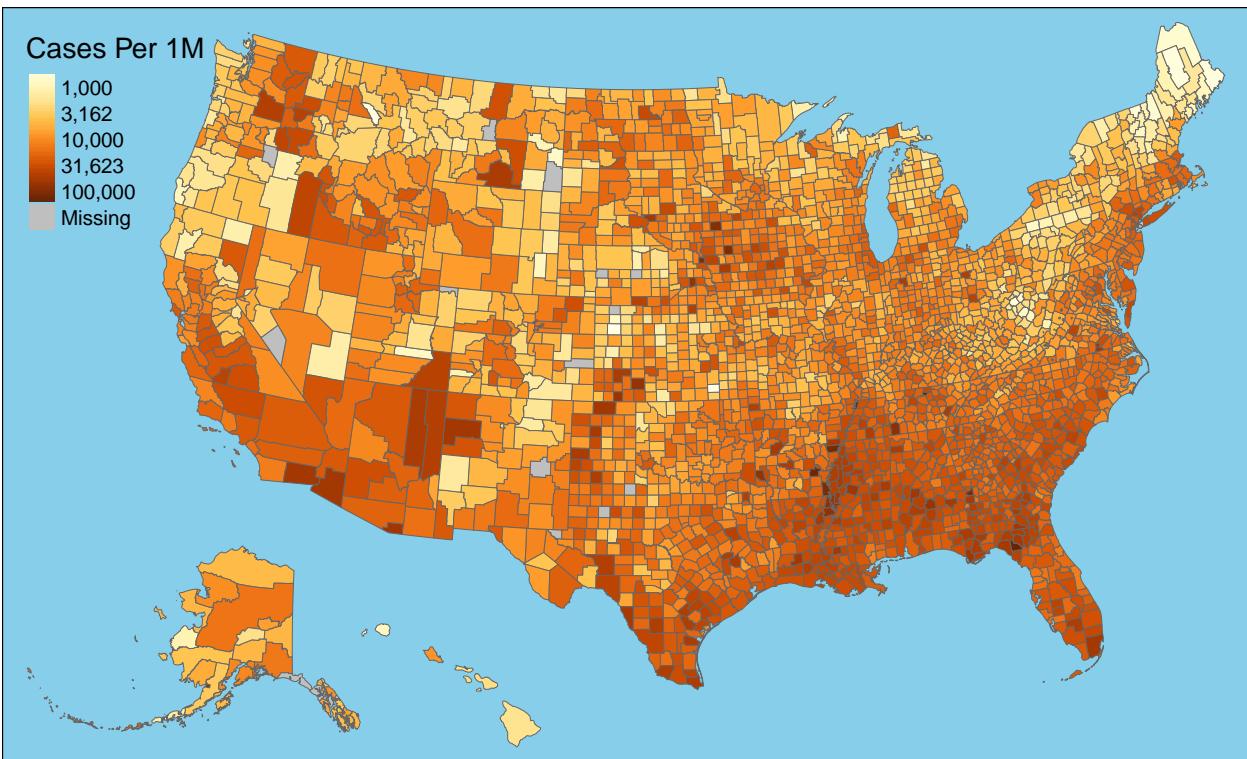
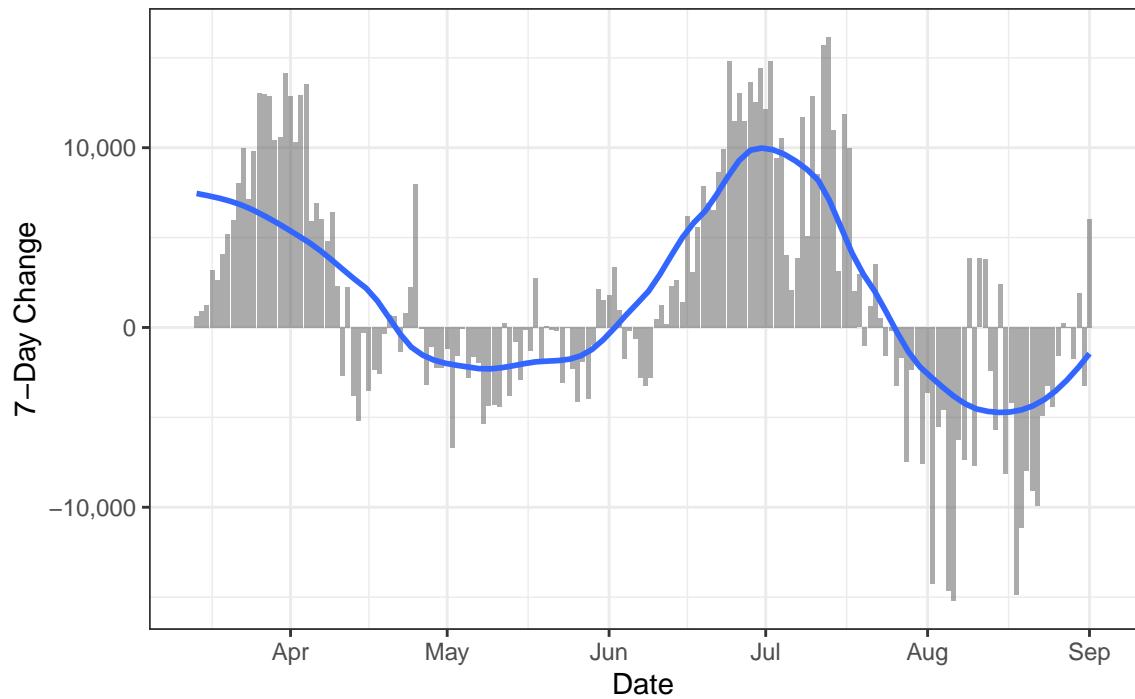
Active Cases



New Cases

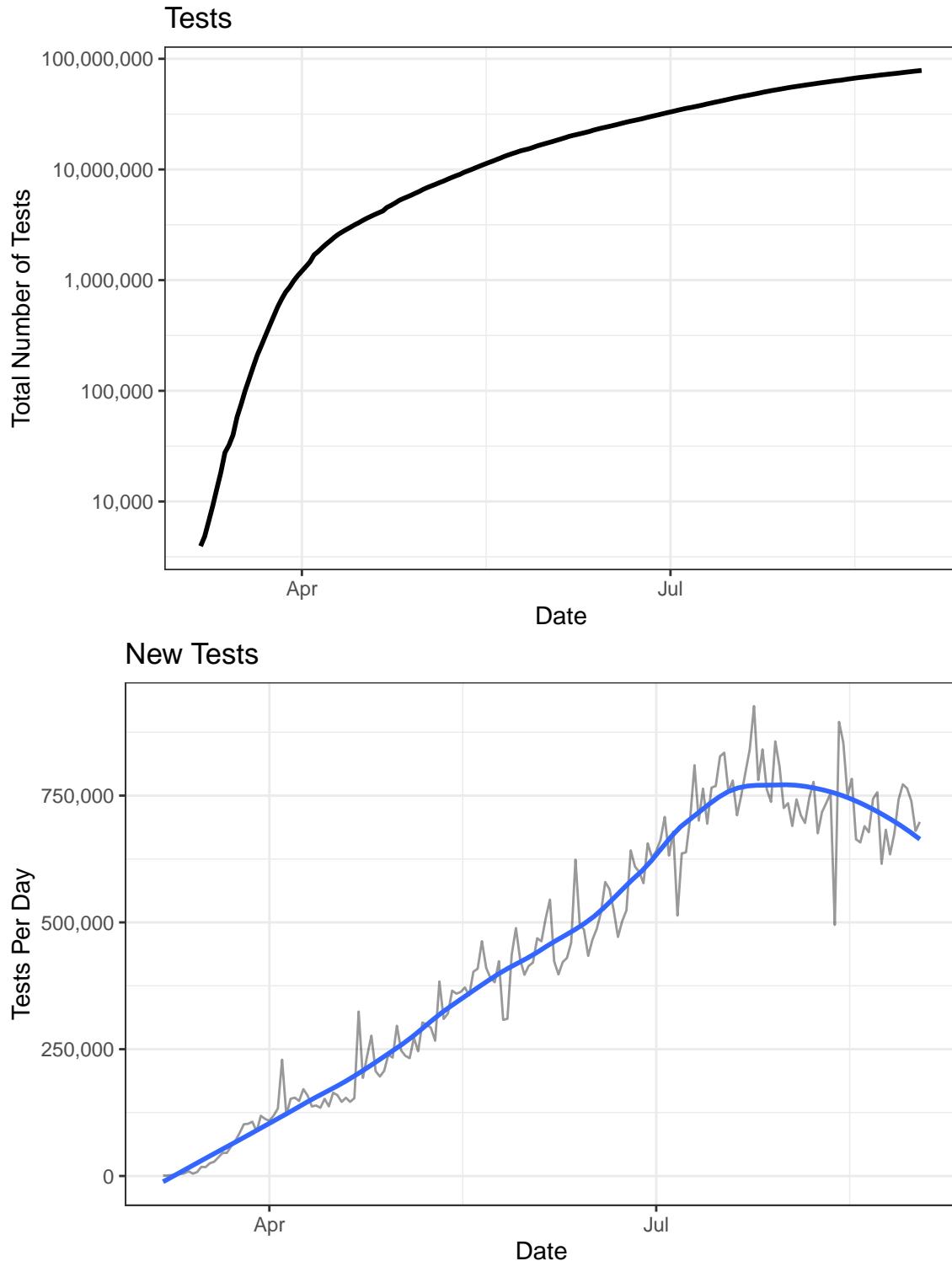


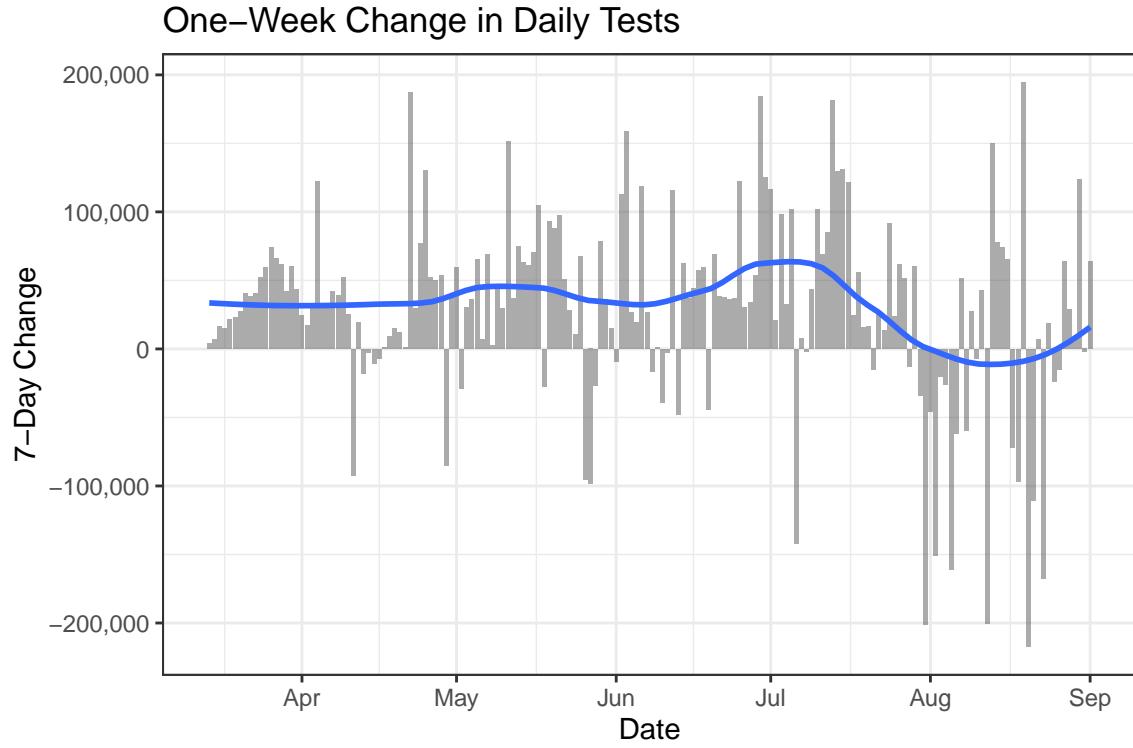
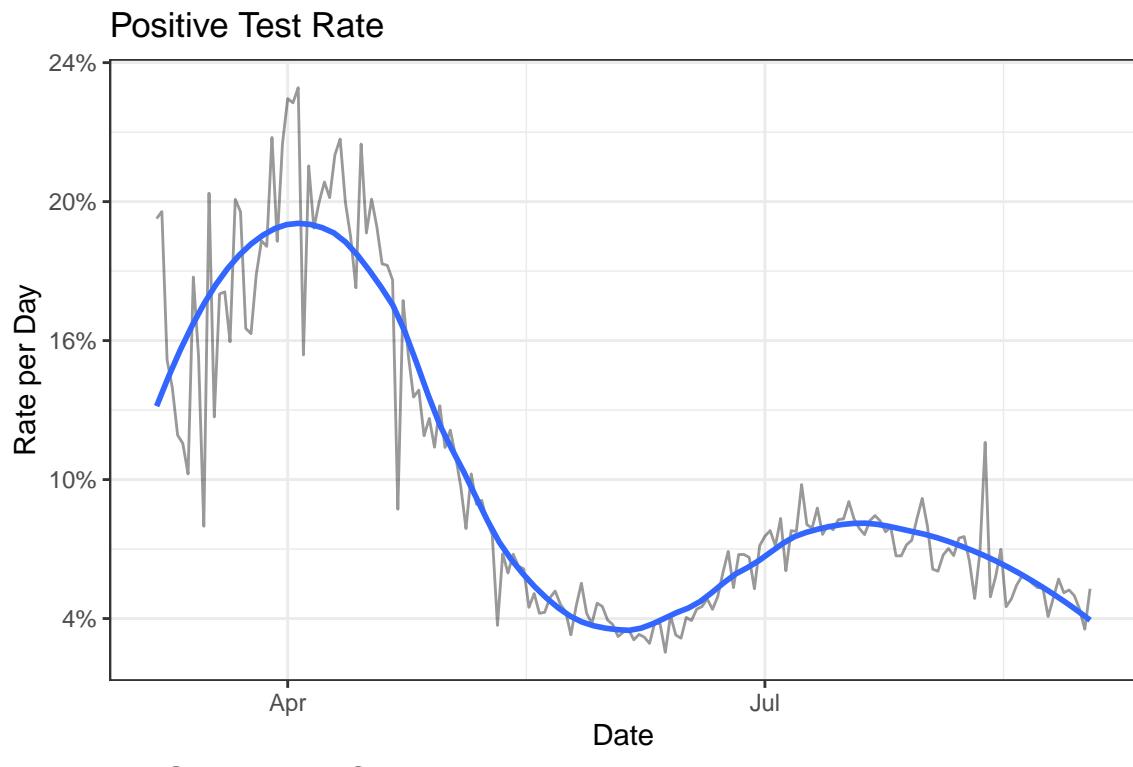
One-Week Change in Daily Cases



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.



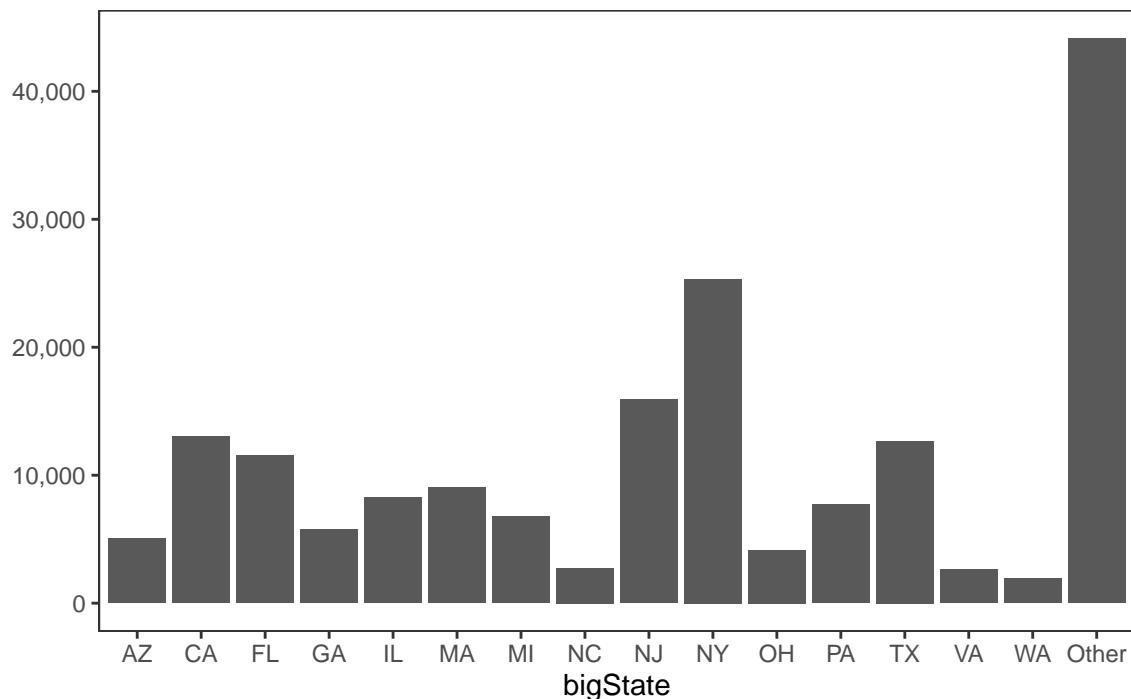


State Data

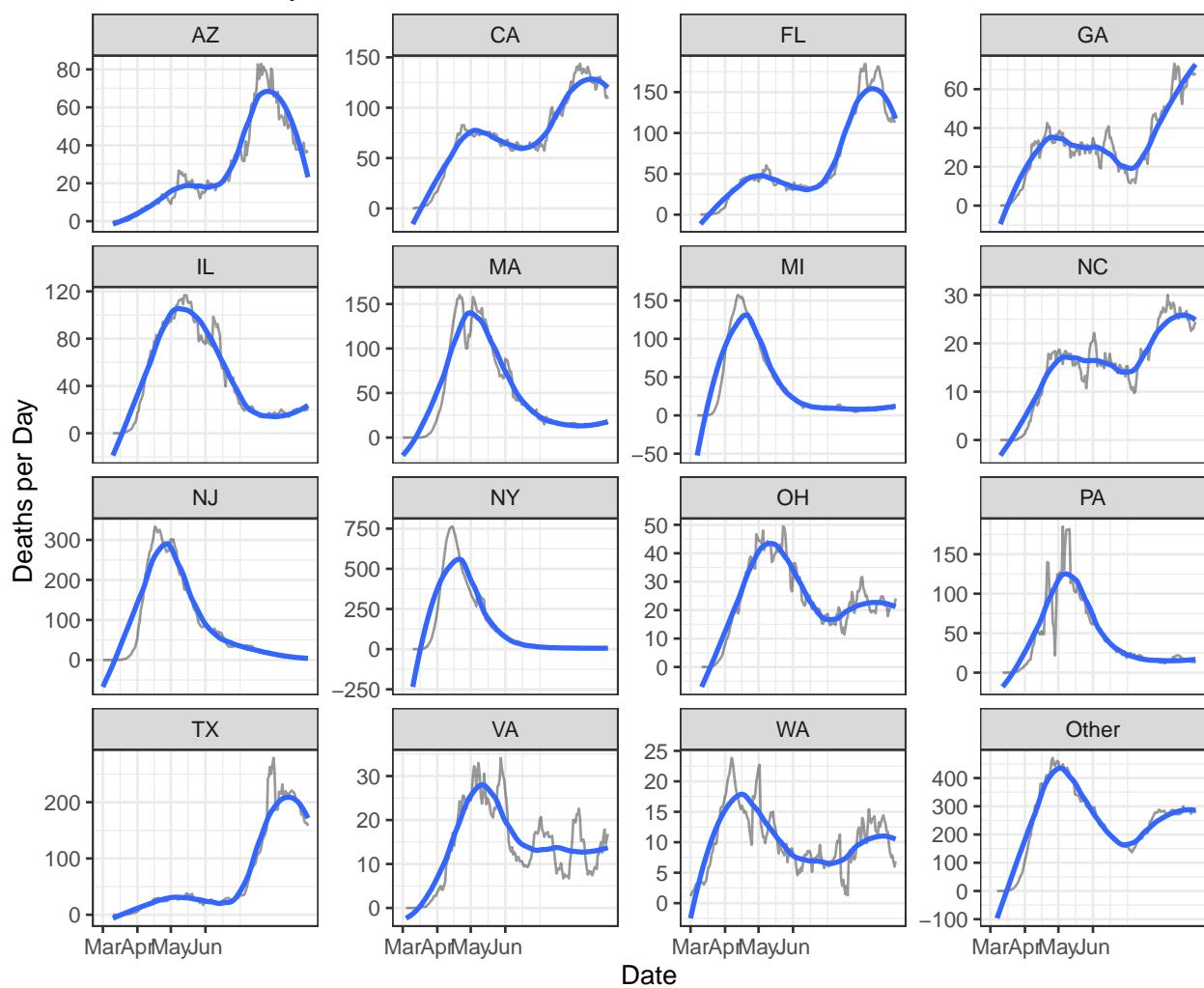
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

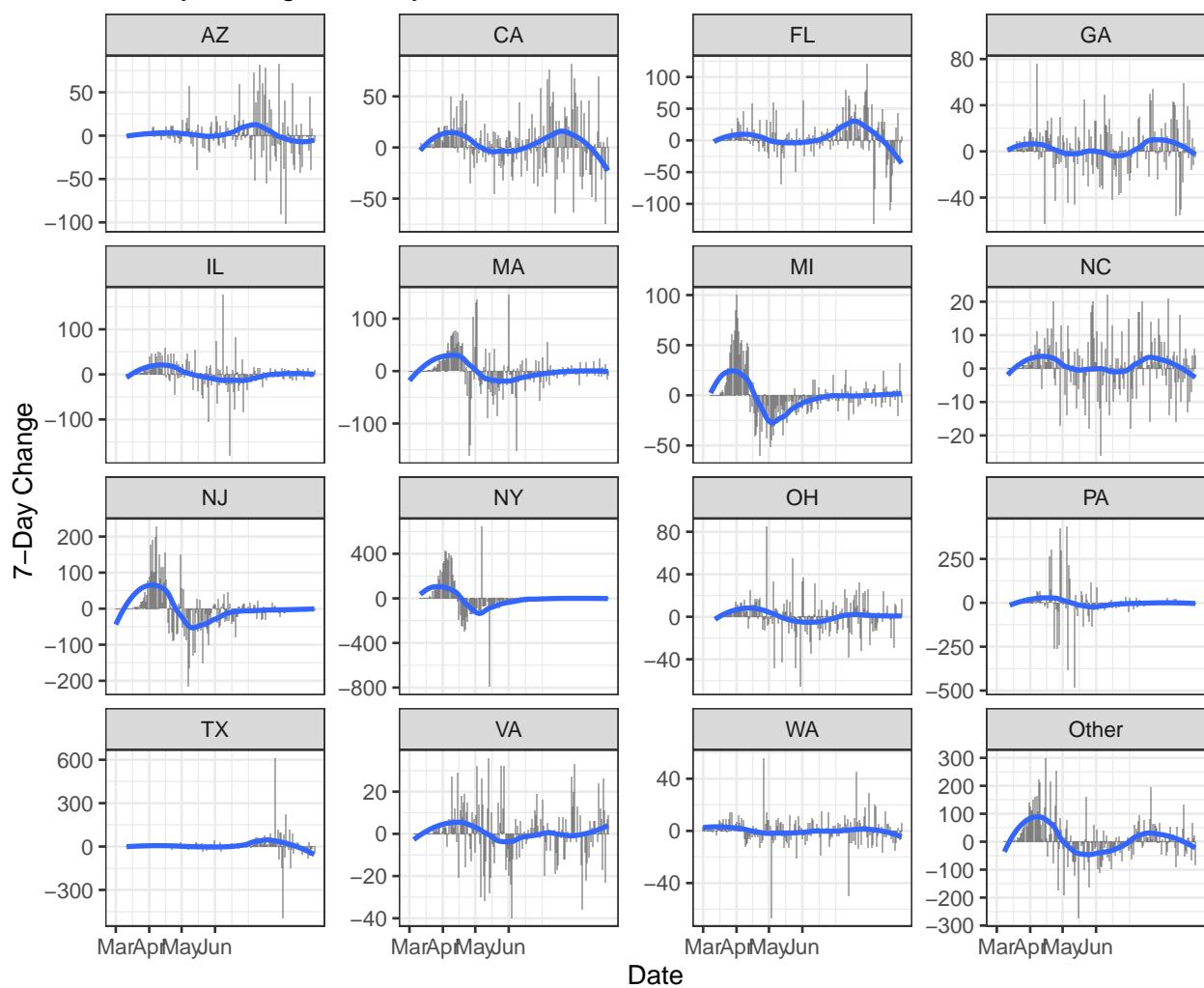
Deaths by State

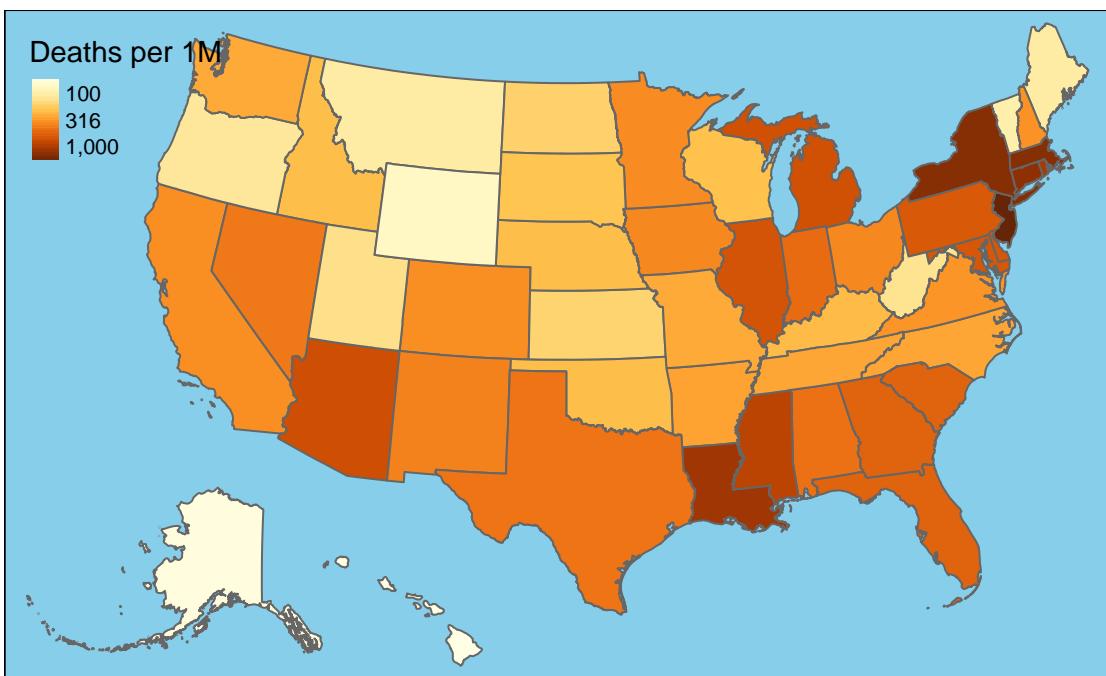
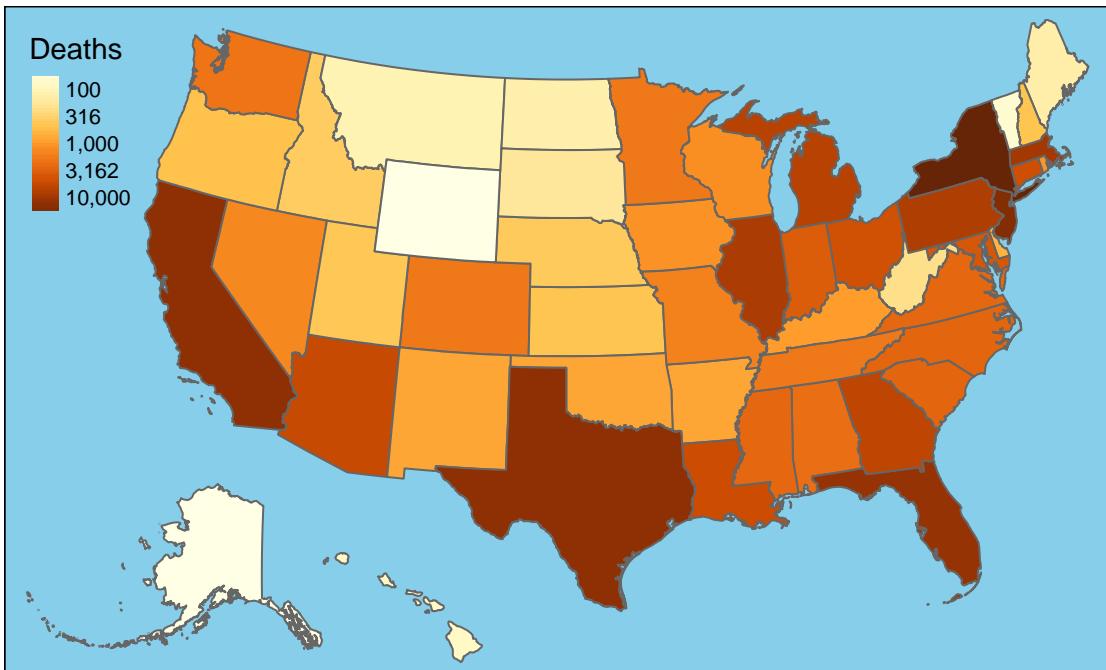


New Deaths by State



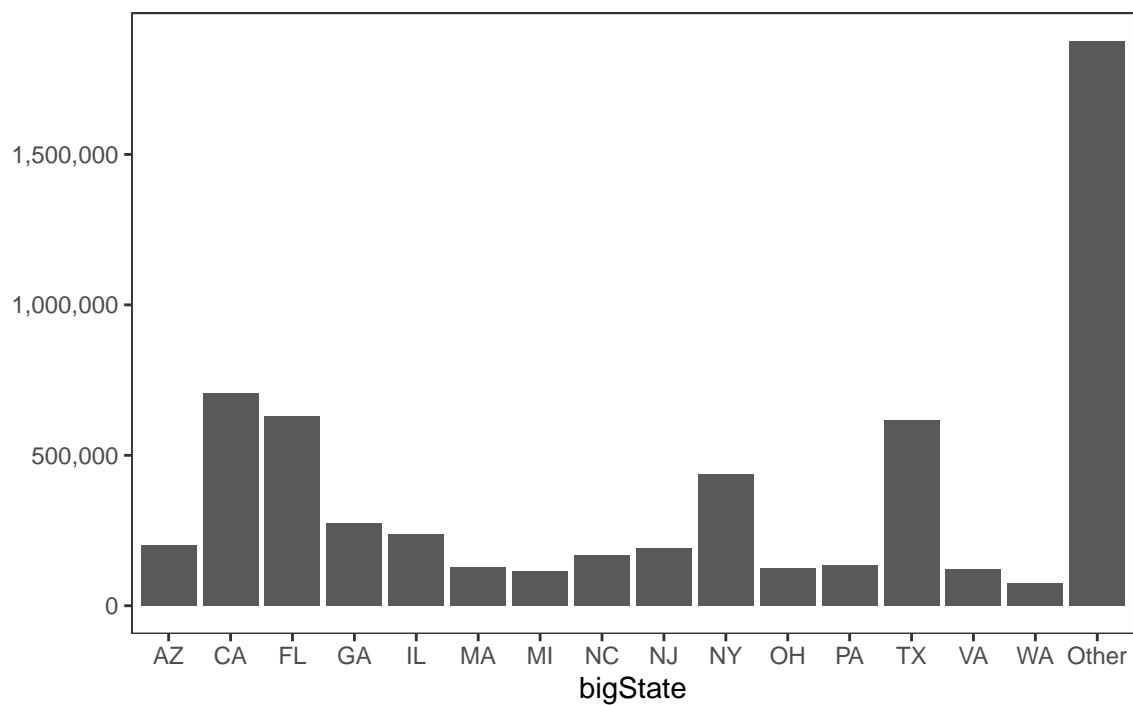
7-Day Change in Daily Deaths



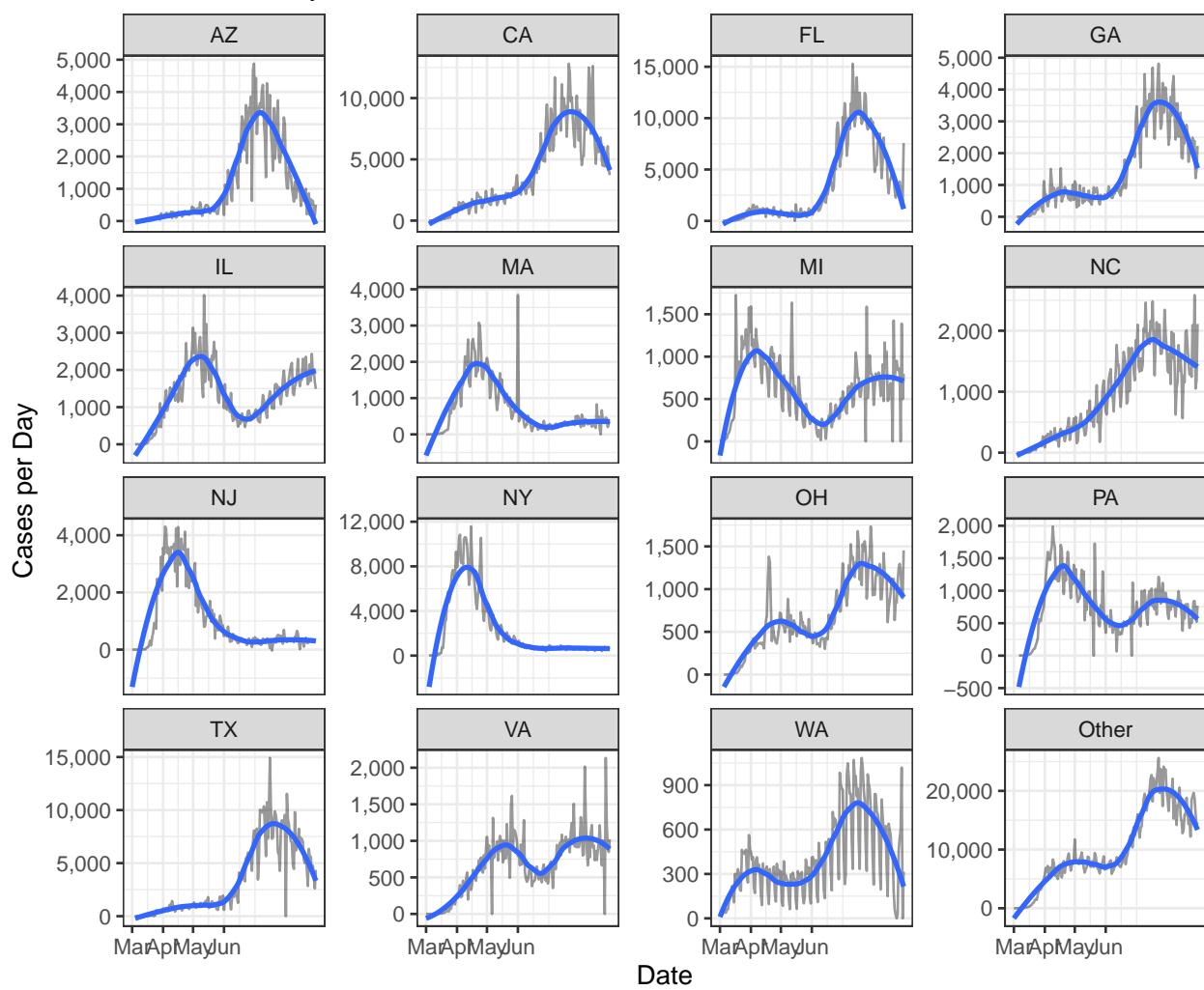


Cases

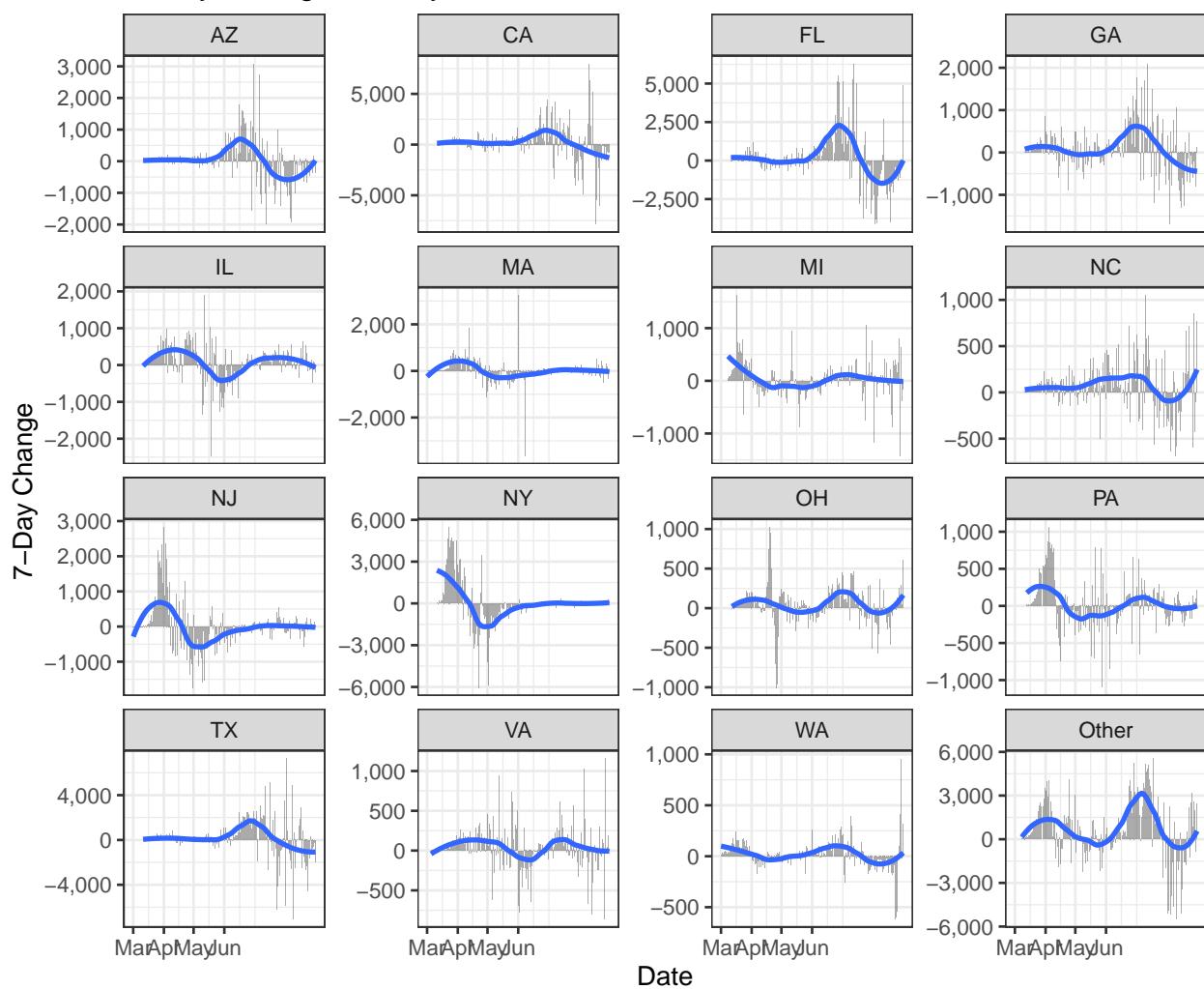
Cases by State

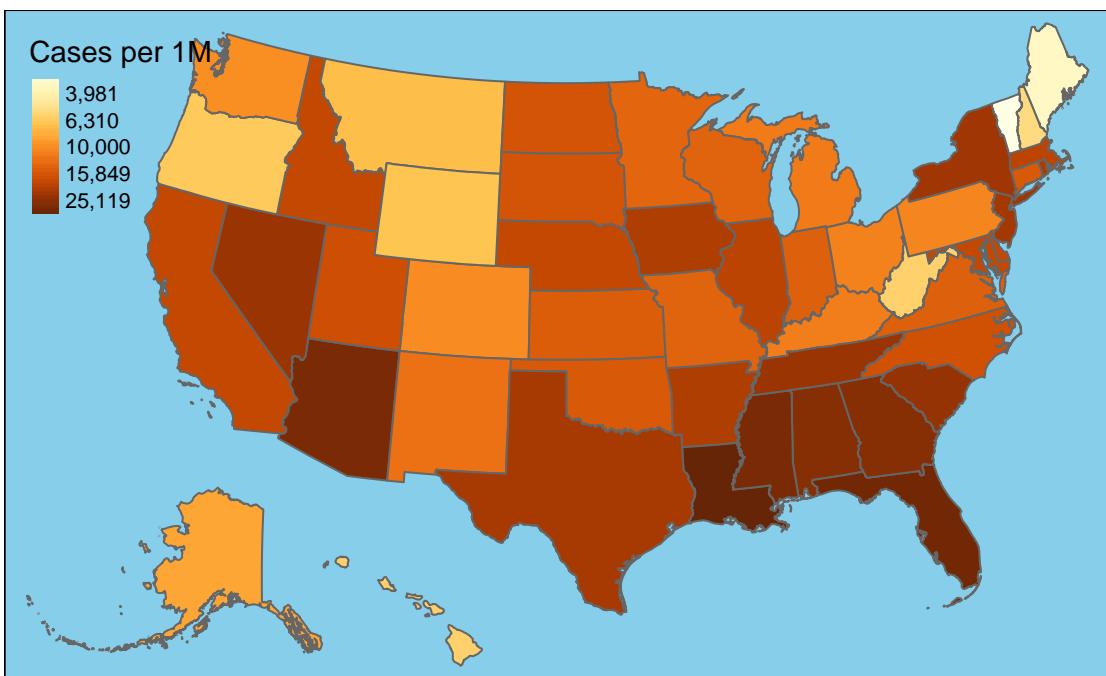
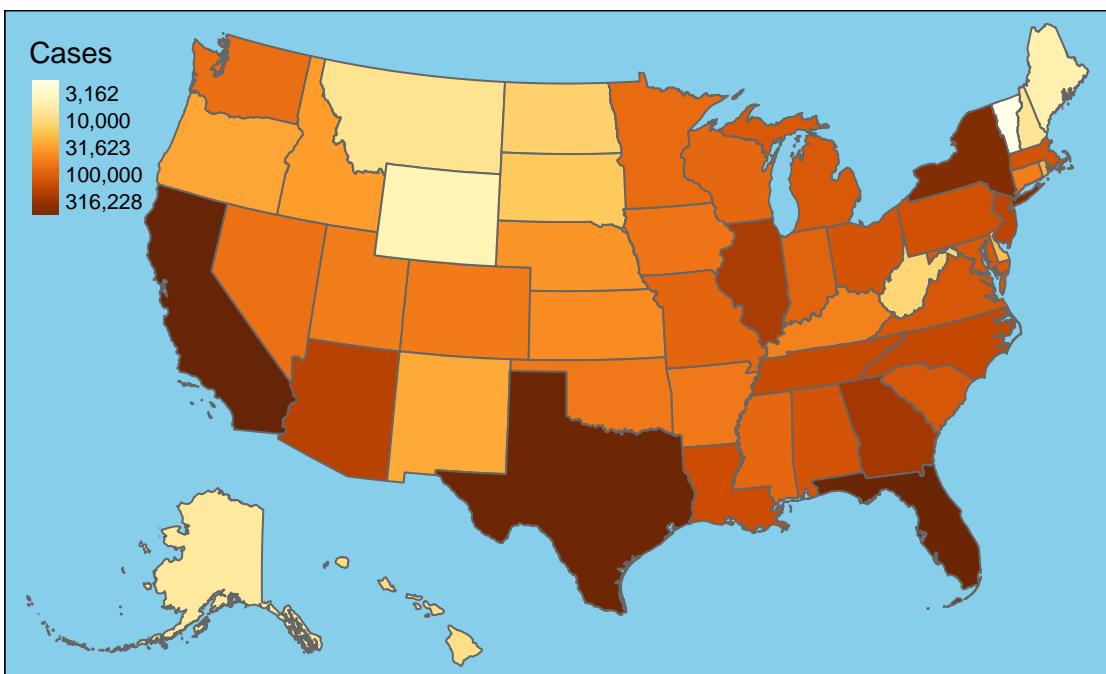


New Cases by State

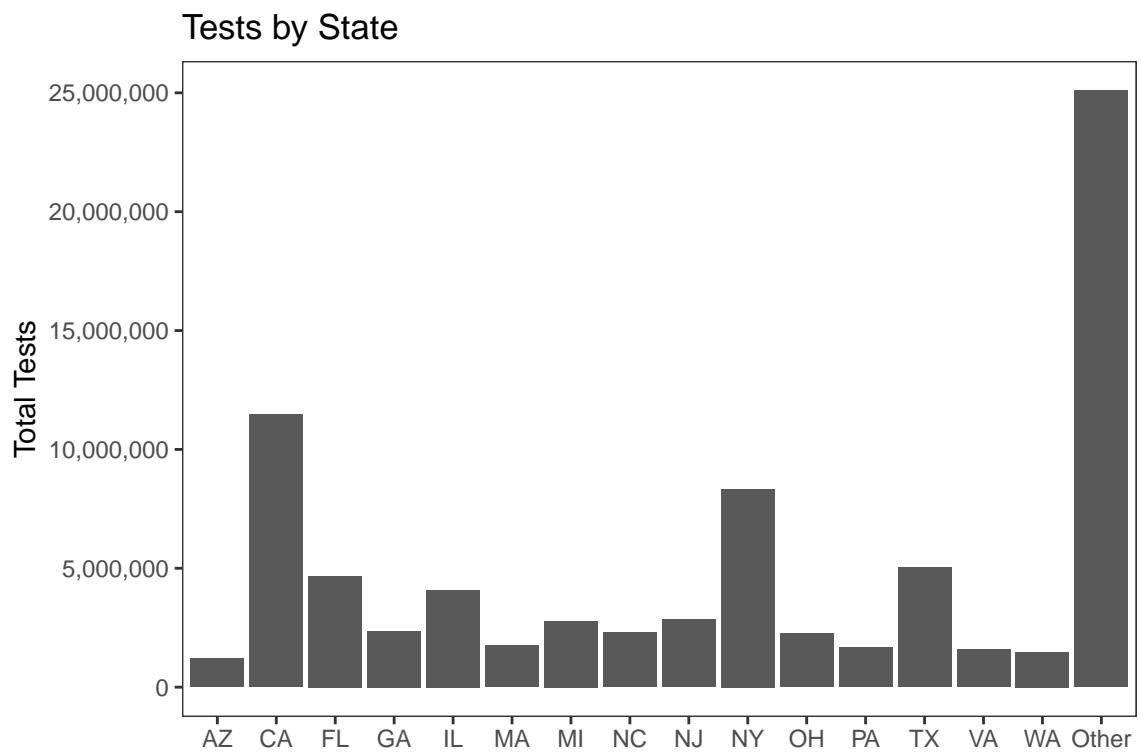


7-Day Change in Daily Cases

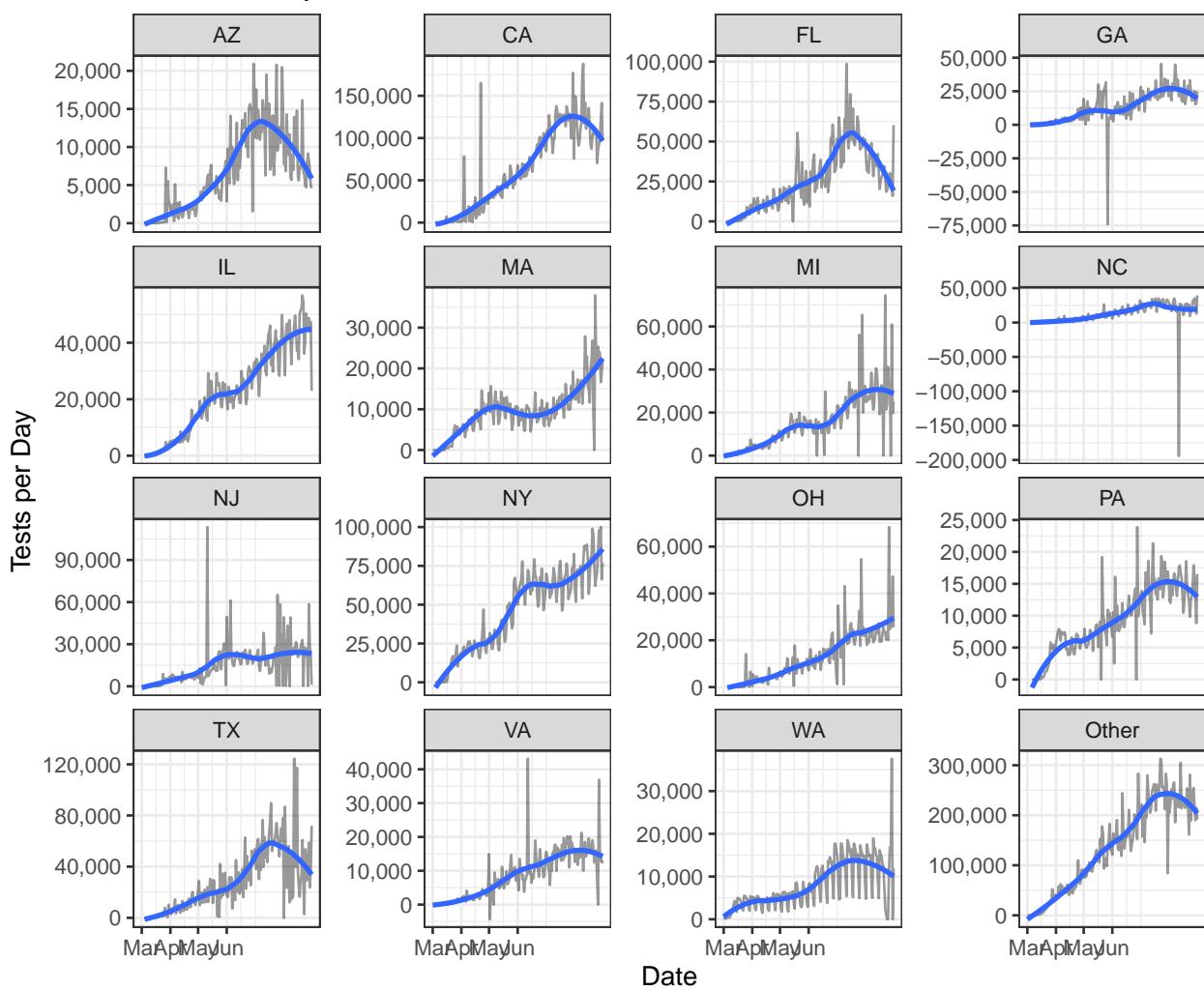


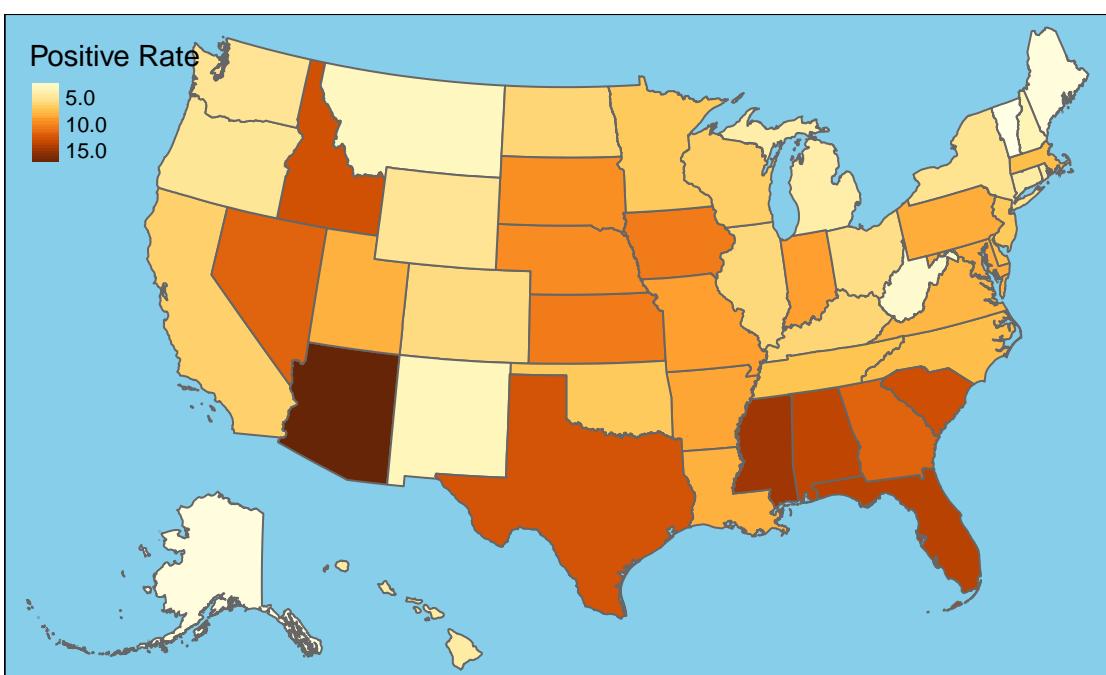
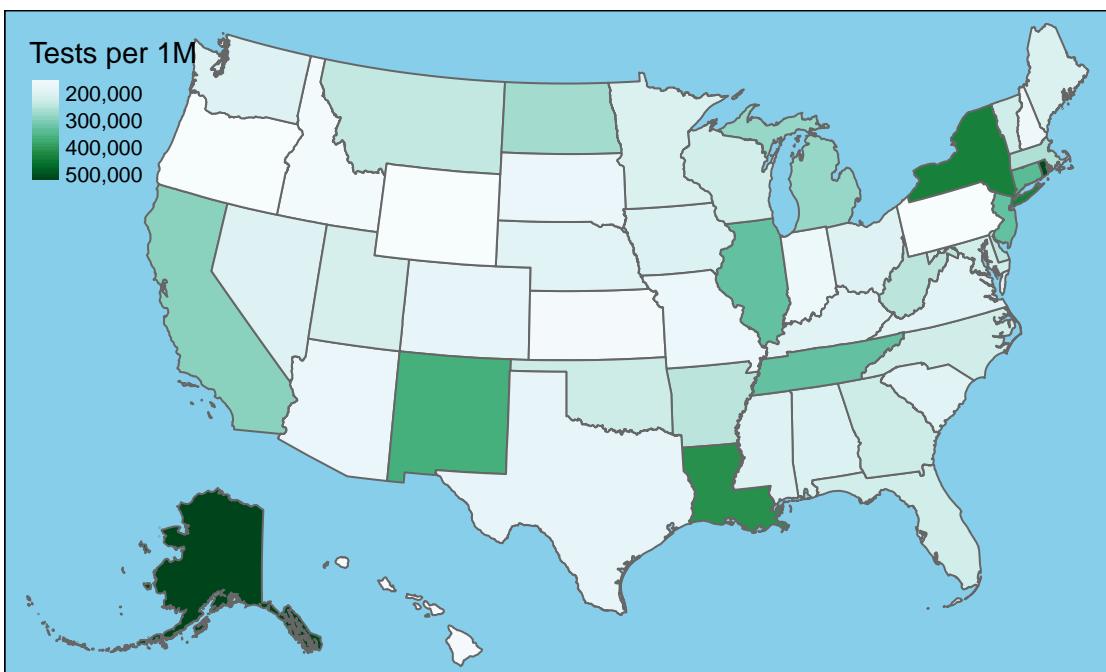


Testing



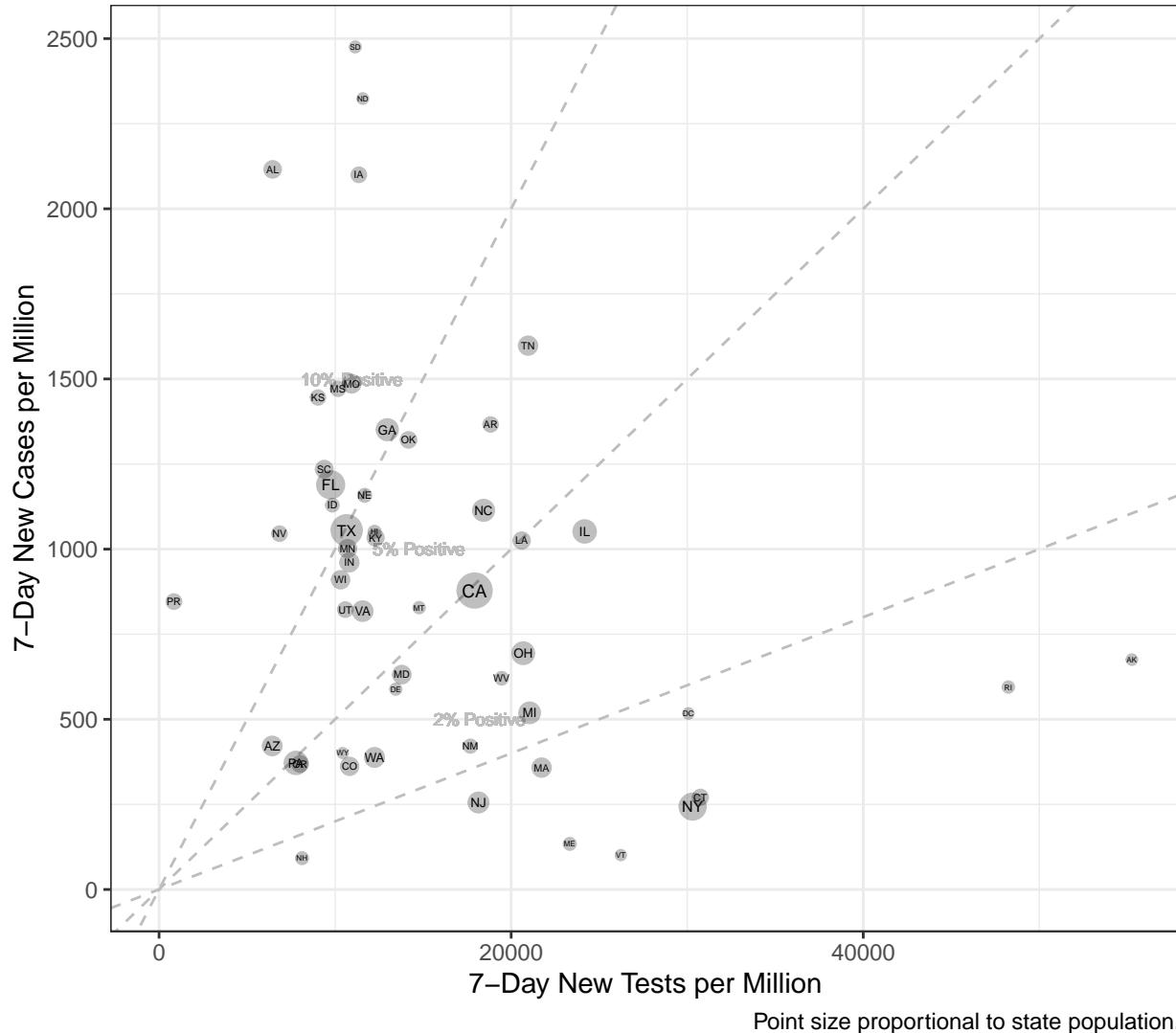
New Tests by State





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



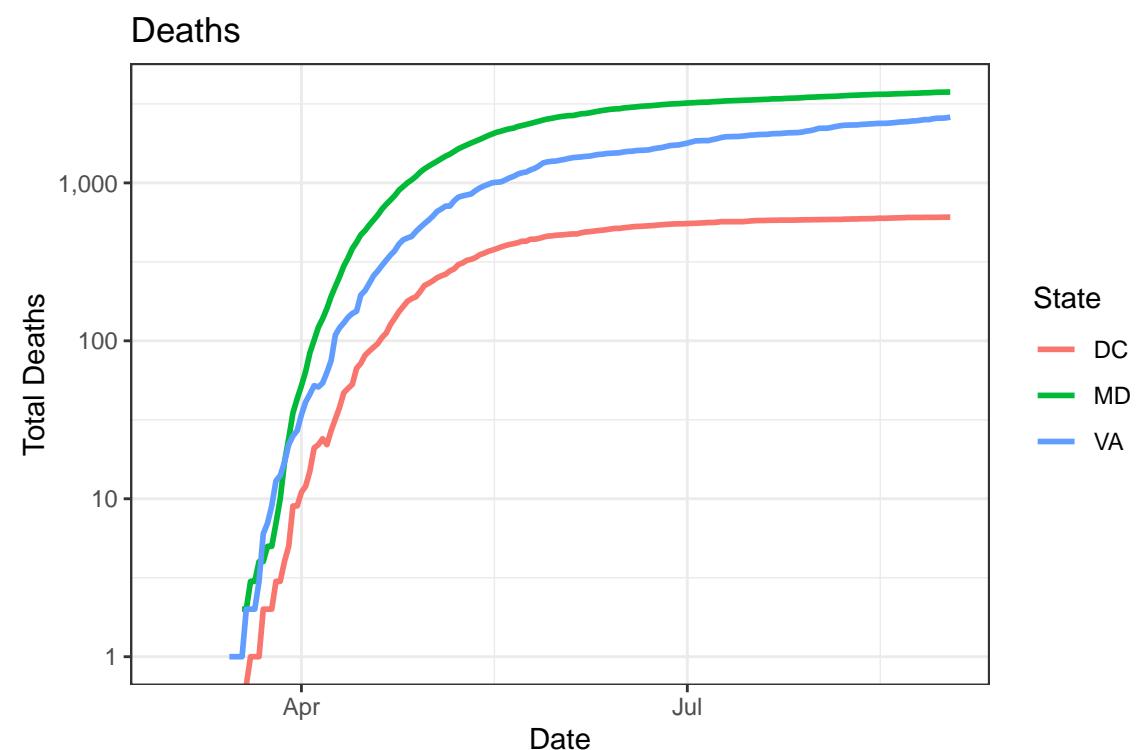
Local Data

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

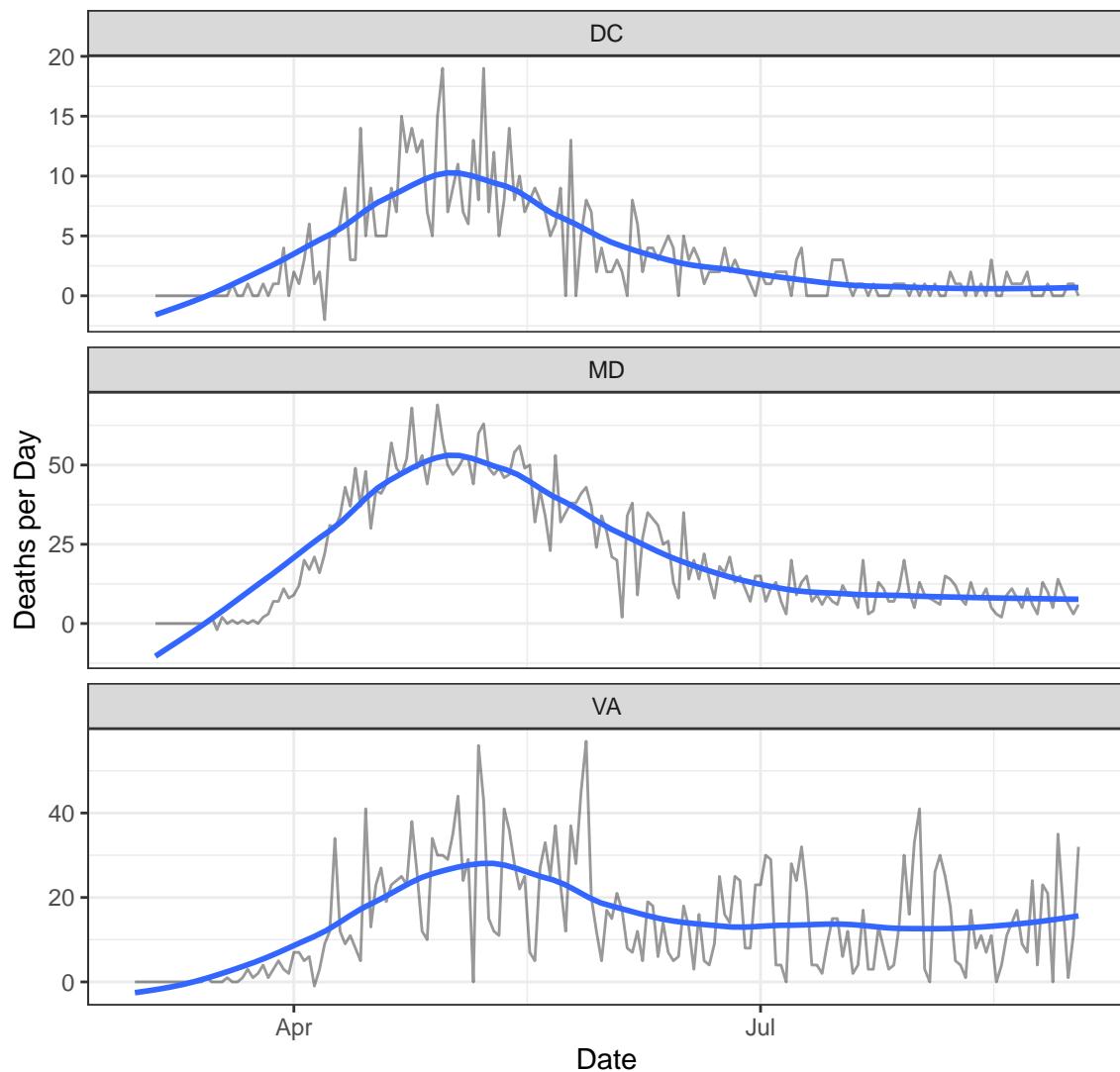
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,049	607	57	0
MD	108,863	3,761	614	6
VA	121,615	2,612	1,021	32

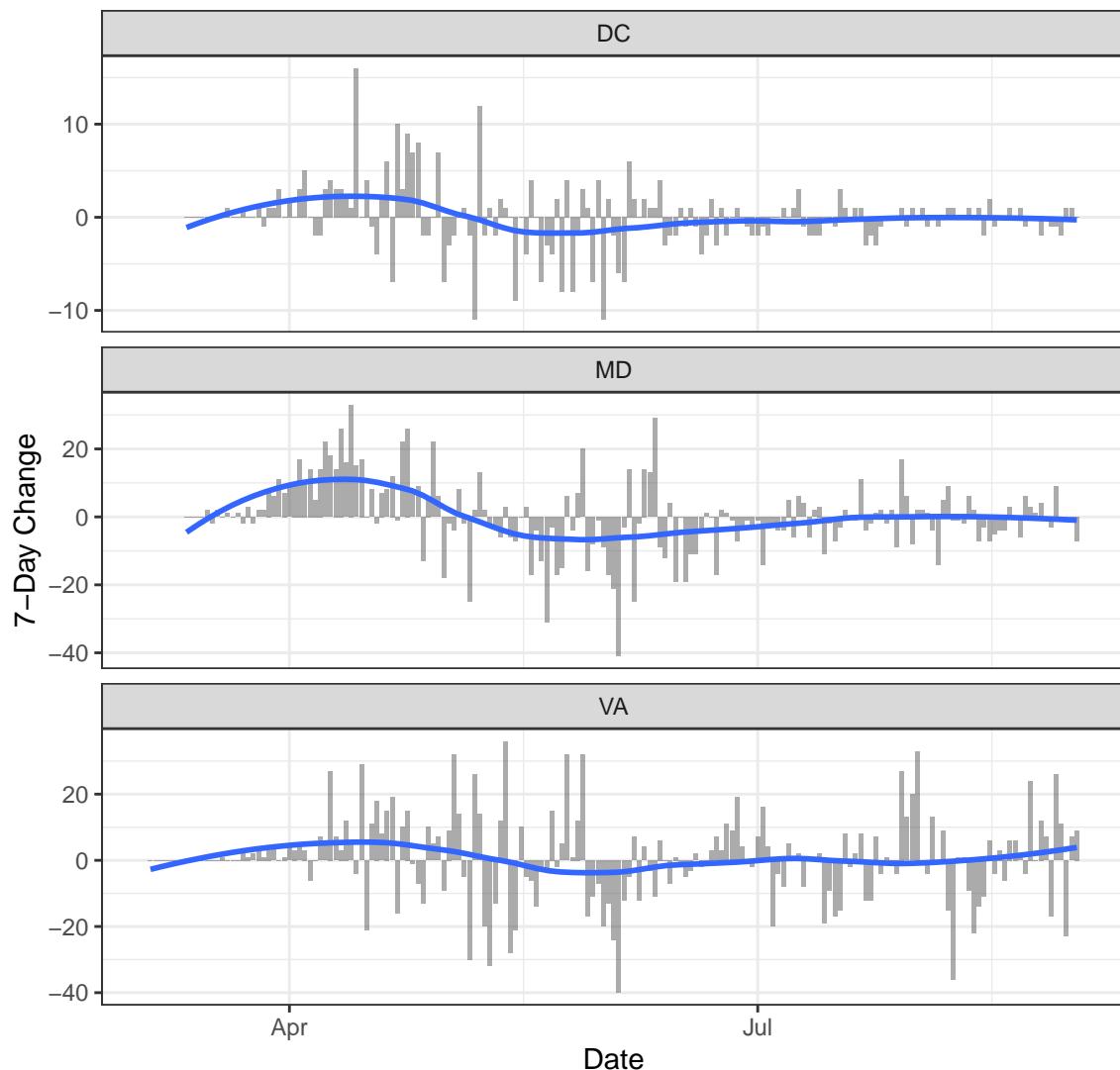
Deaths

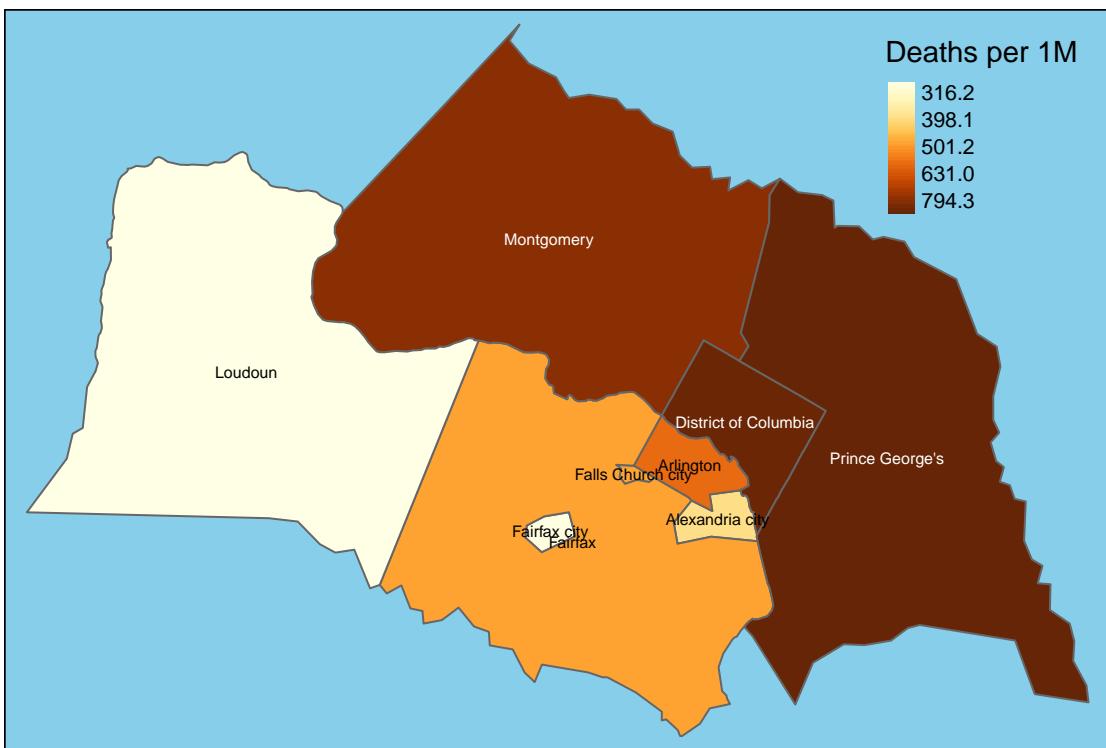
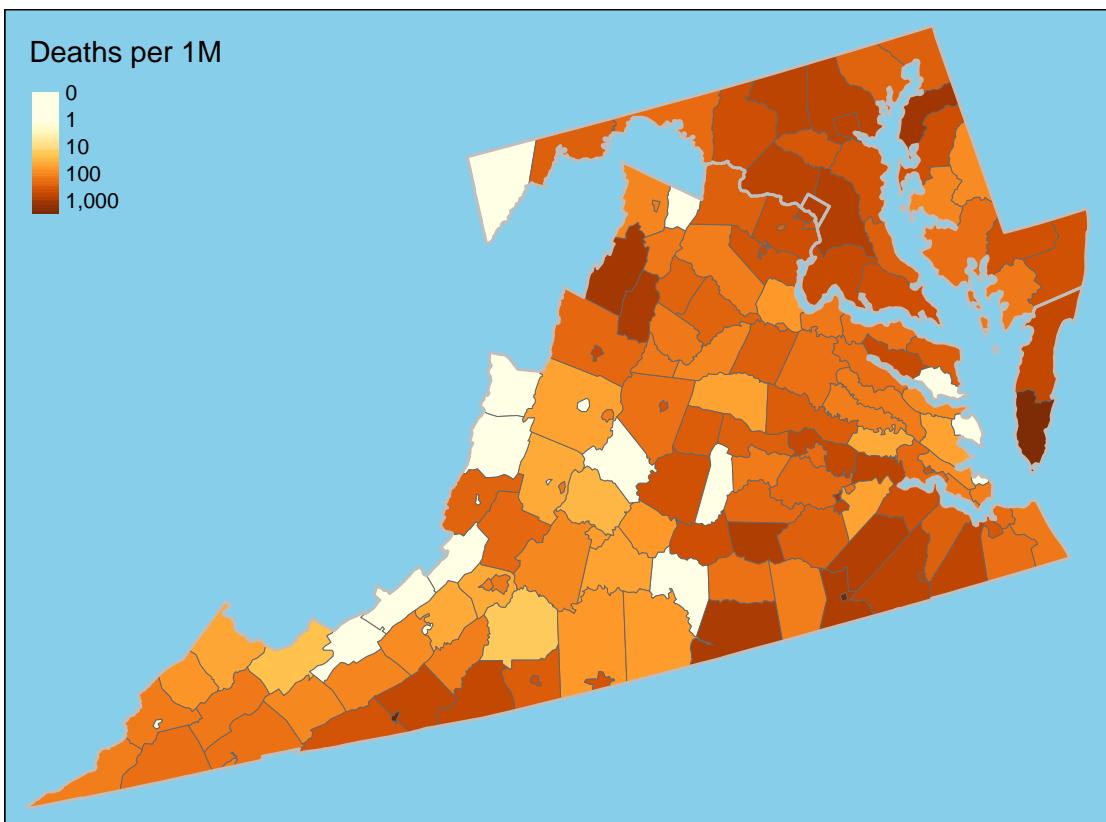


New Deaths

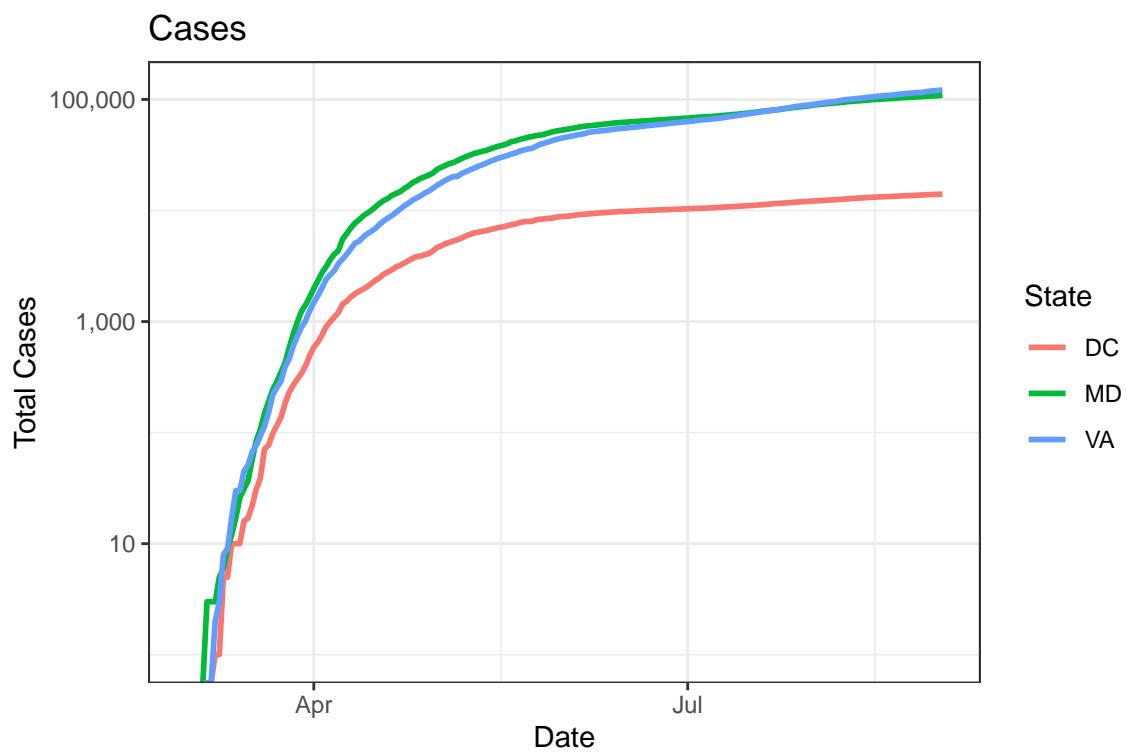


One-Week Change in Daily Deaths

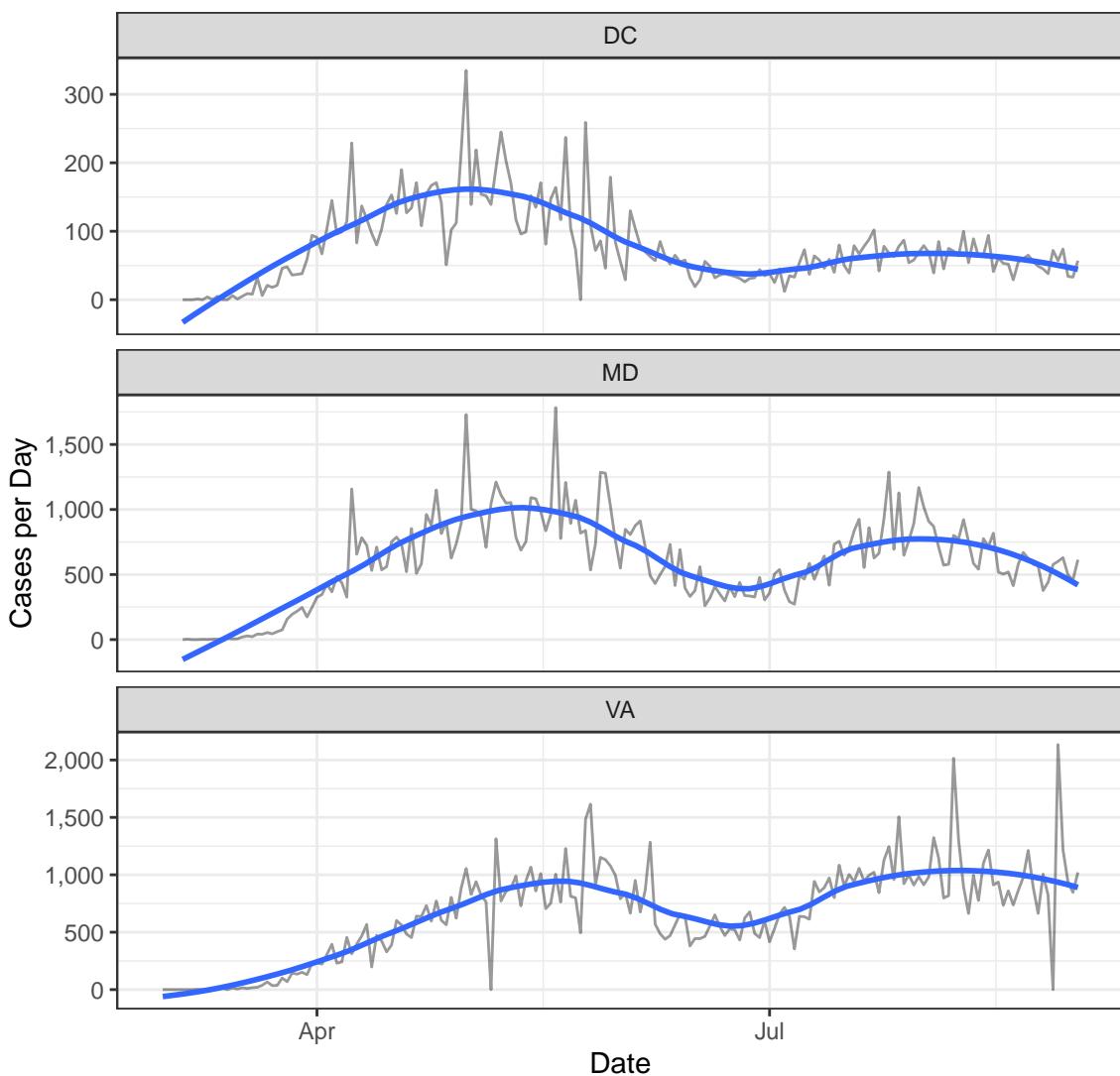




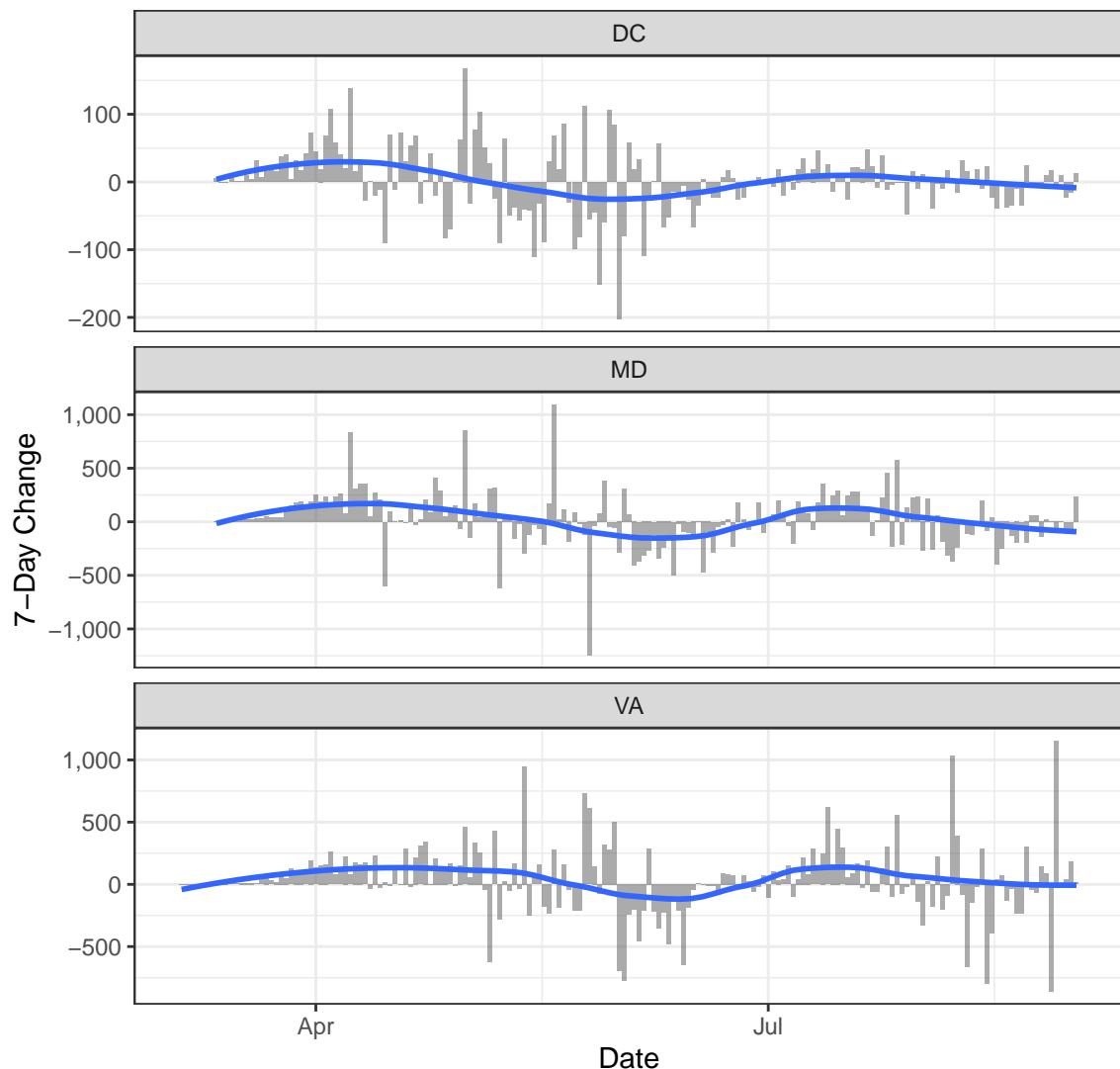
Cases

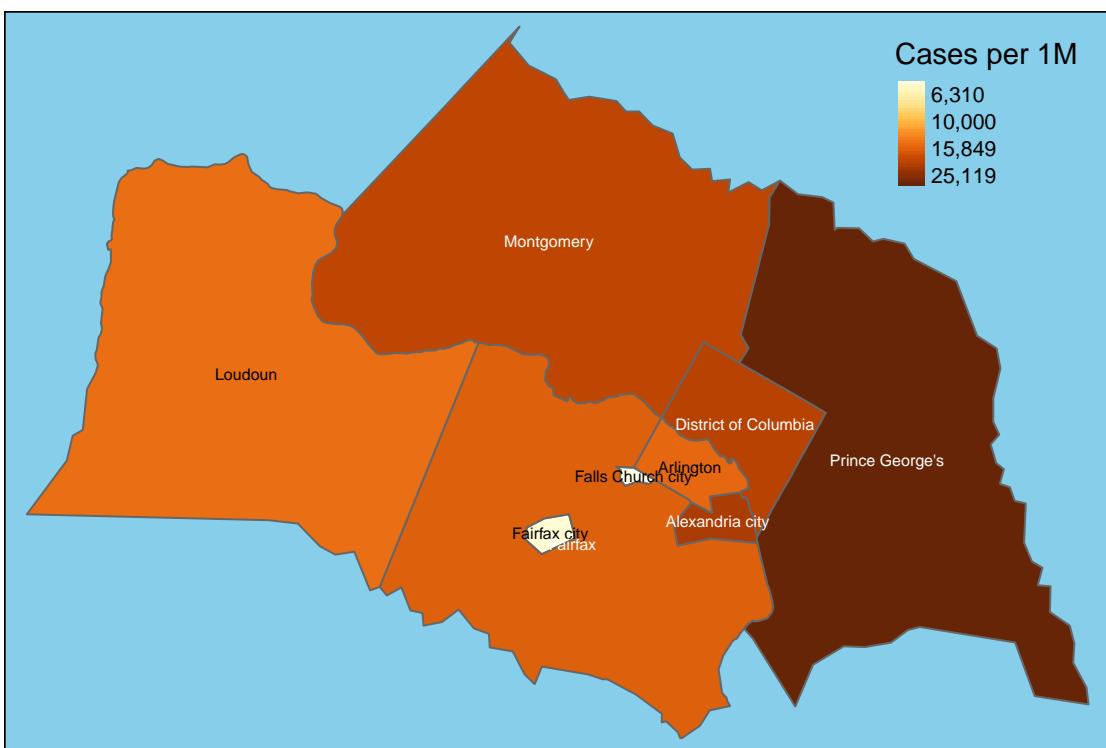
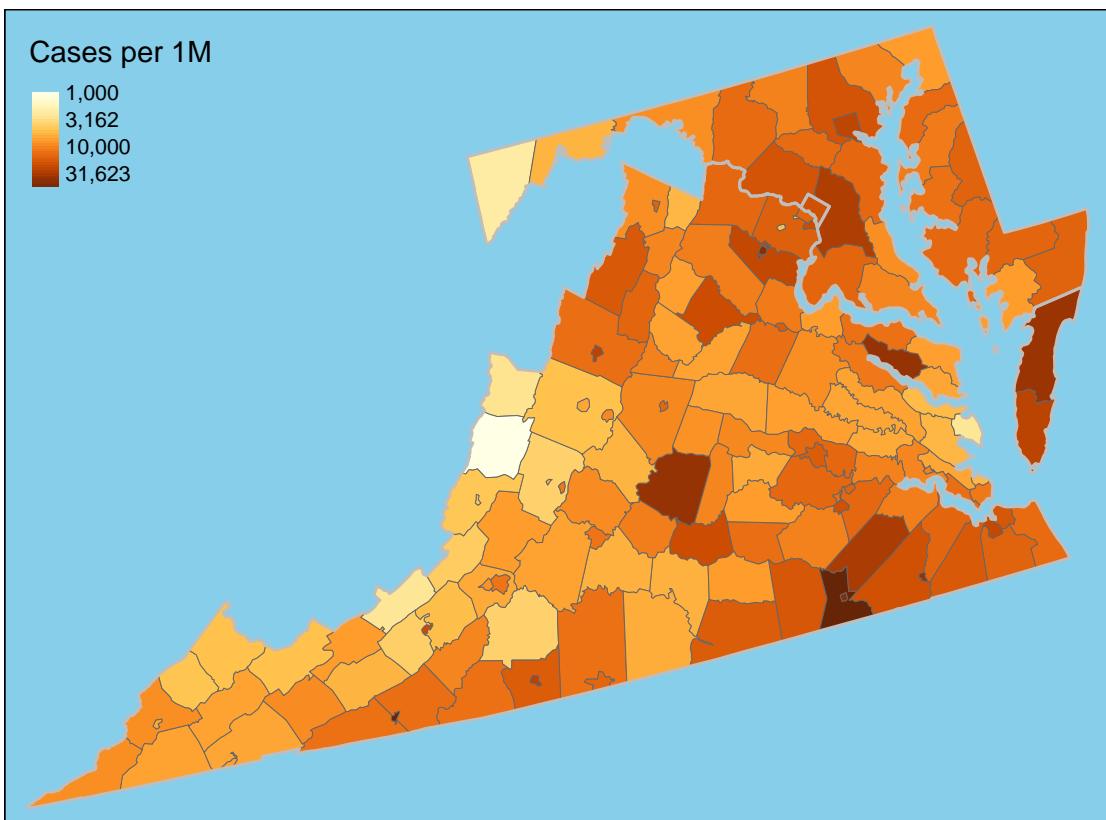


New Cases

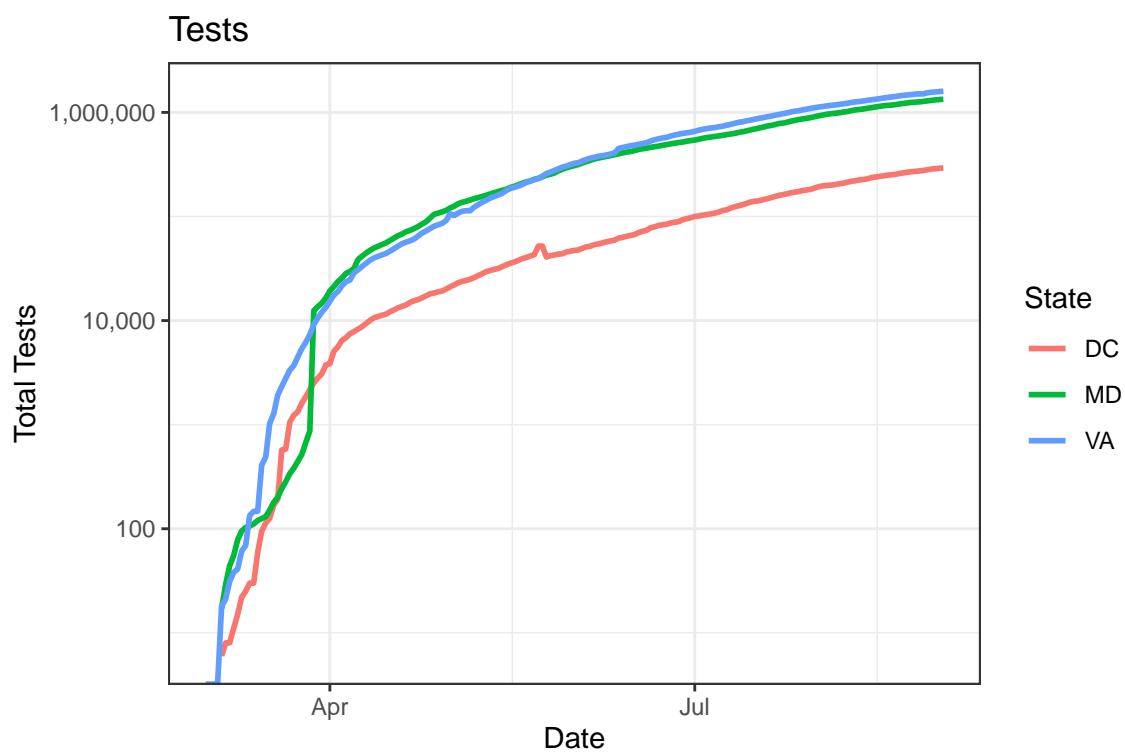


One-Week Change in Daily Cases

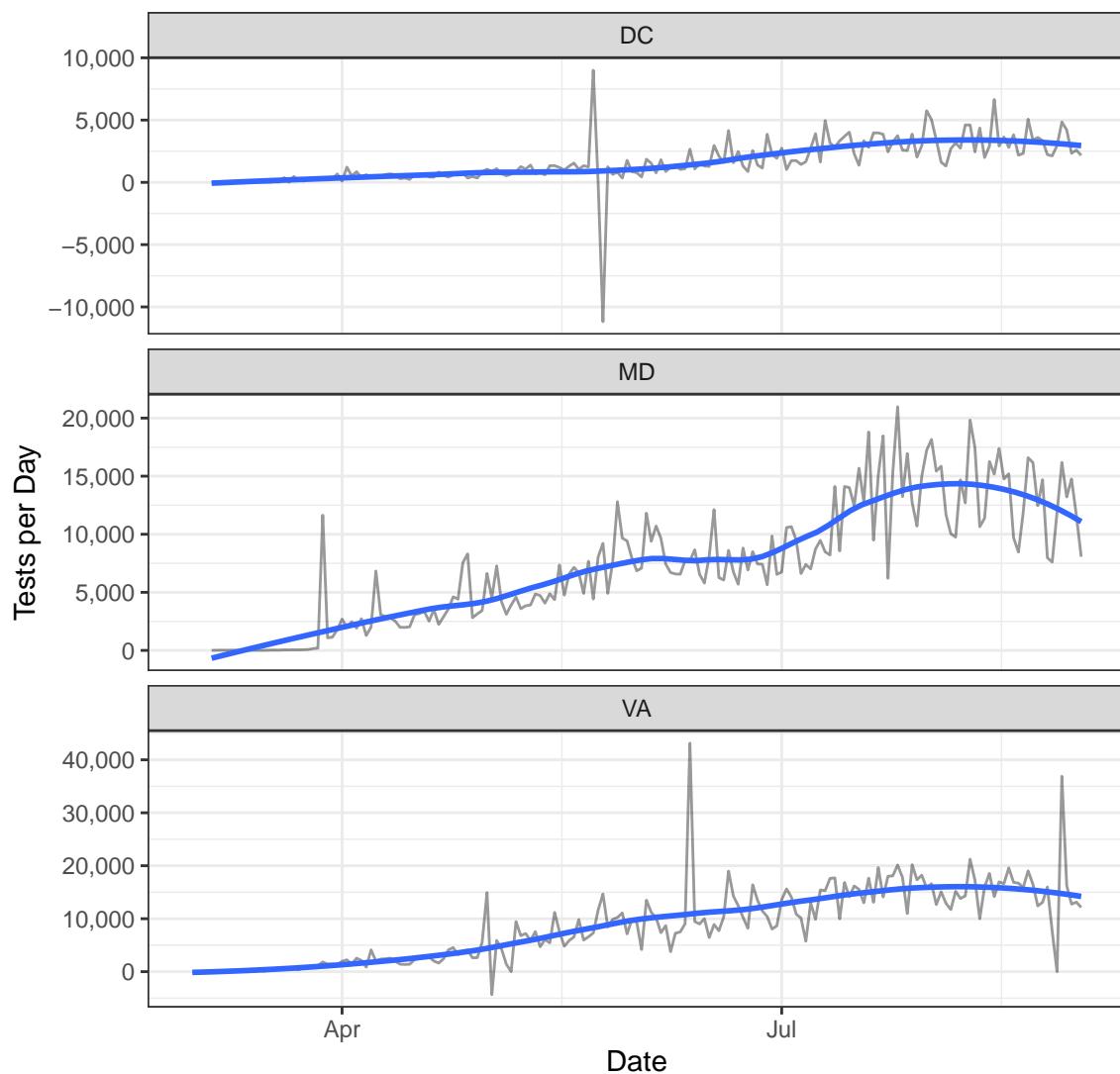




Testing



New Tests



Positive Test Rate

