

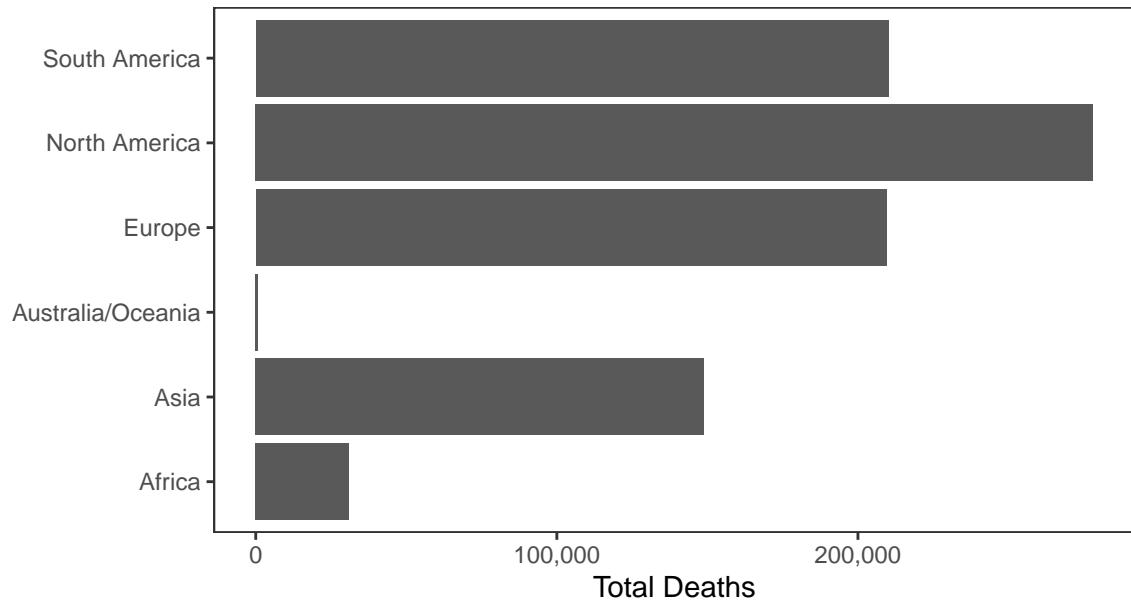
Erik's Covid-19 Chart Pack

Data updated 2020-09-05 19:13:44. 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 26,784,771 confirmed Covid-19 cases and 878,354 deaths worldwide.

Deaths



Cases

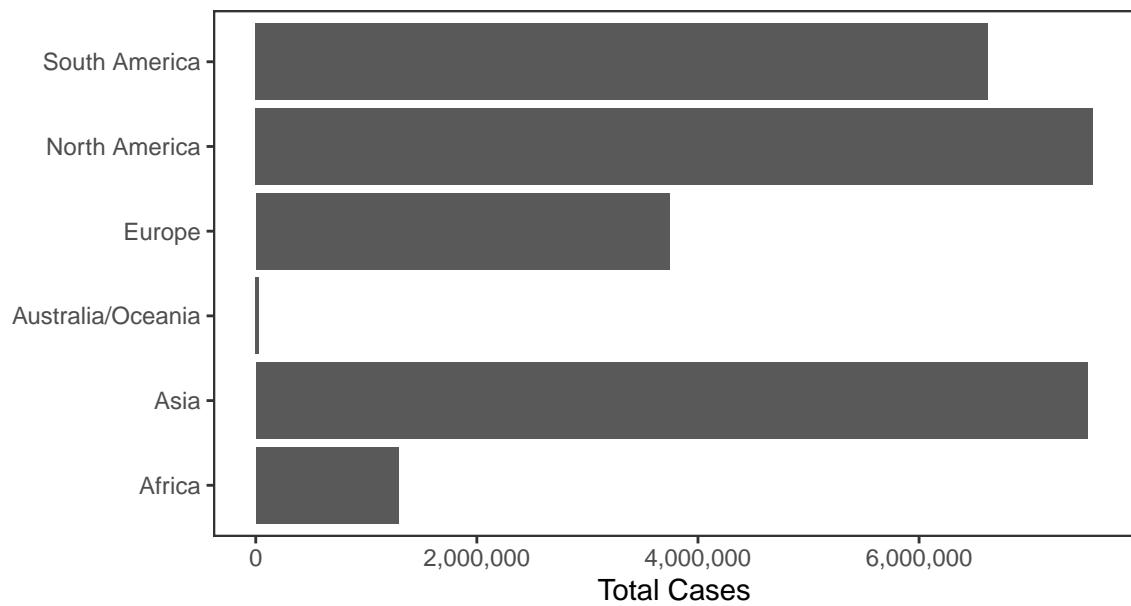
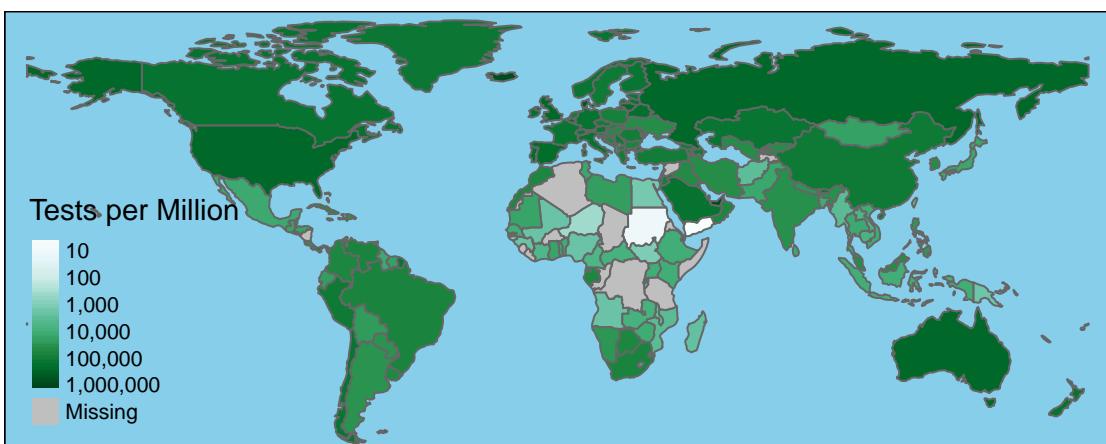
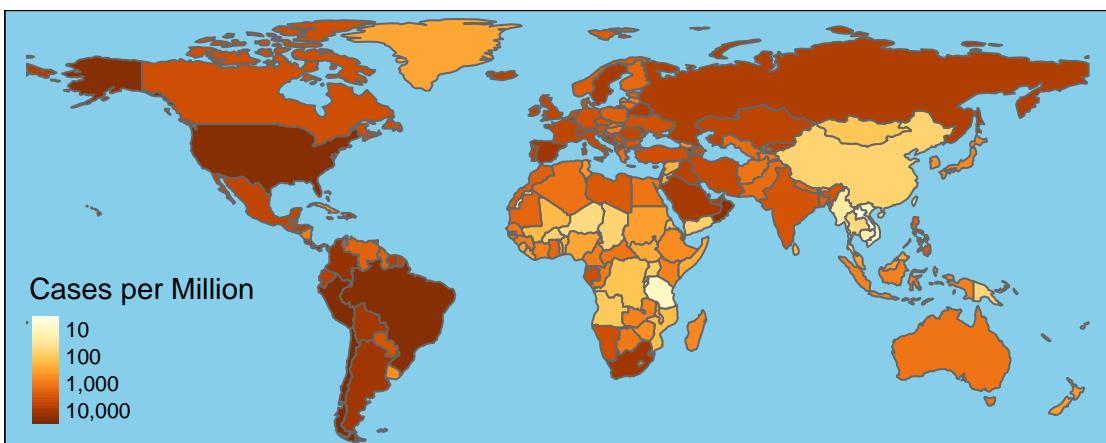
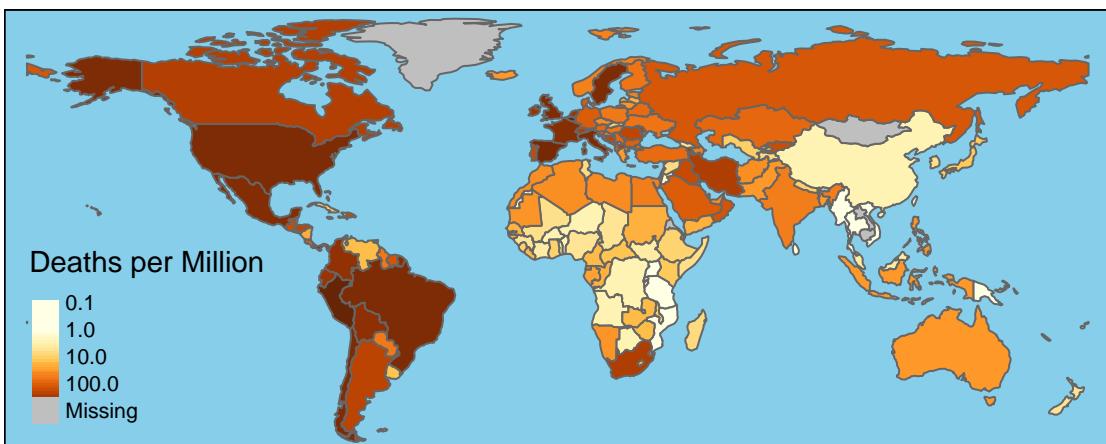


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,389,057	192,111	52,853	1,033
Brazil	4,091,801	125,584	45,651	855
India	4,020,239	69,635	87,115	1,066
Russia	1,015,105	17,649	5,110	121
Peru	676,848	29,554	6,703	149
Colombia	650,062	20,888	8,488	270
South Africa	635,078	14,678	2,063	115
Mexico	616,894	66,329	5,937	513
Spain	517,133	29,418	4,503	184
Argentina	461,882	9,623	10,684	262
Chile	418,465	11,494	1,964	72
Iran	382,772	22,044	2,026	118
UK	342,351	41,537	1,940	10
Bangladesh	321,615	4,412	1,929	29
Saudi Arabia	319,141	4,015	822	33
France	309,156	30,724	8,975	18
Pakistan	297,512	6,335	498	7
Turkey	276,555	6,564	1,612	53
Italy	274,643	35,518	1,732	11
Iraq	252,075	7,359	5,036	84



National Data

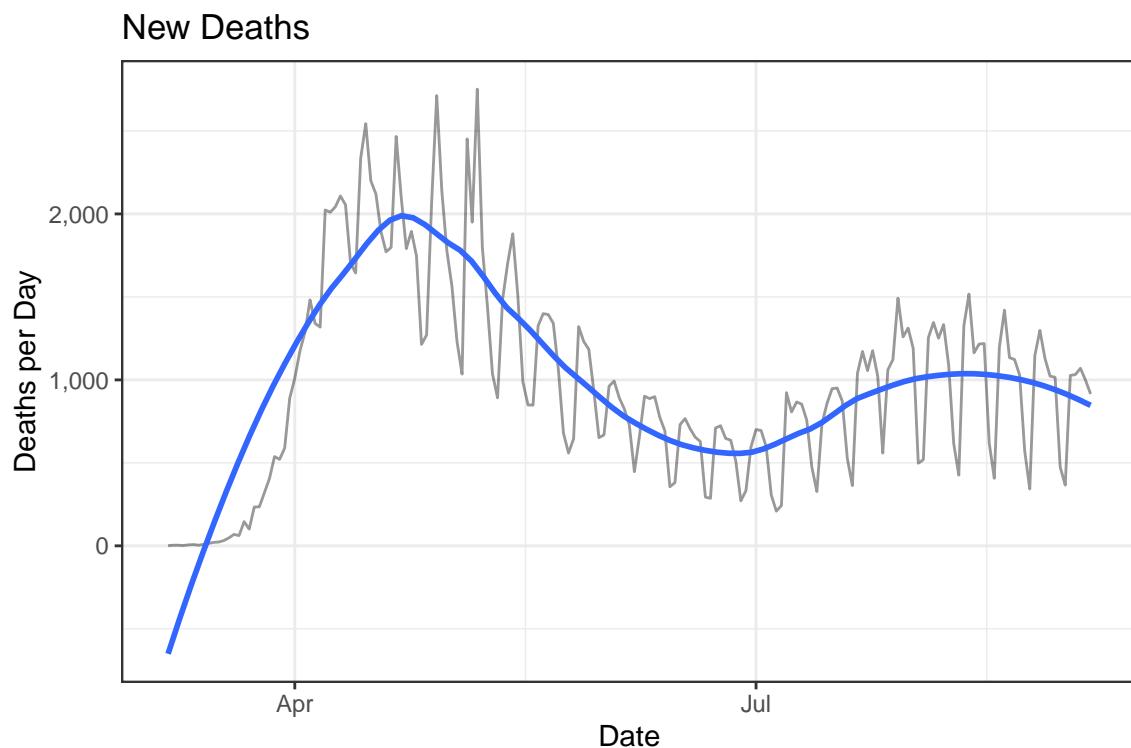
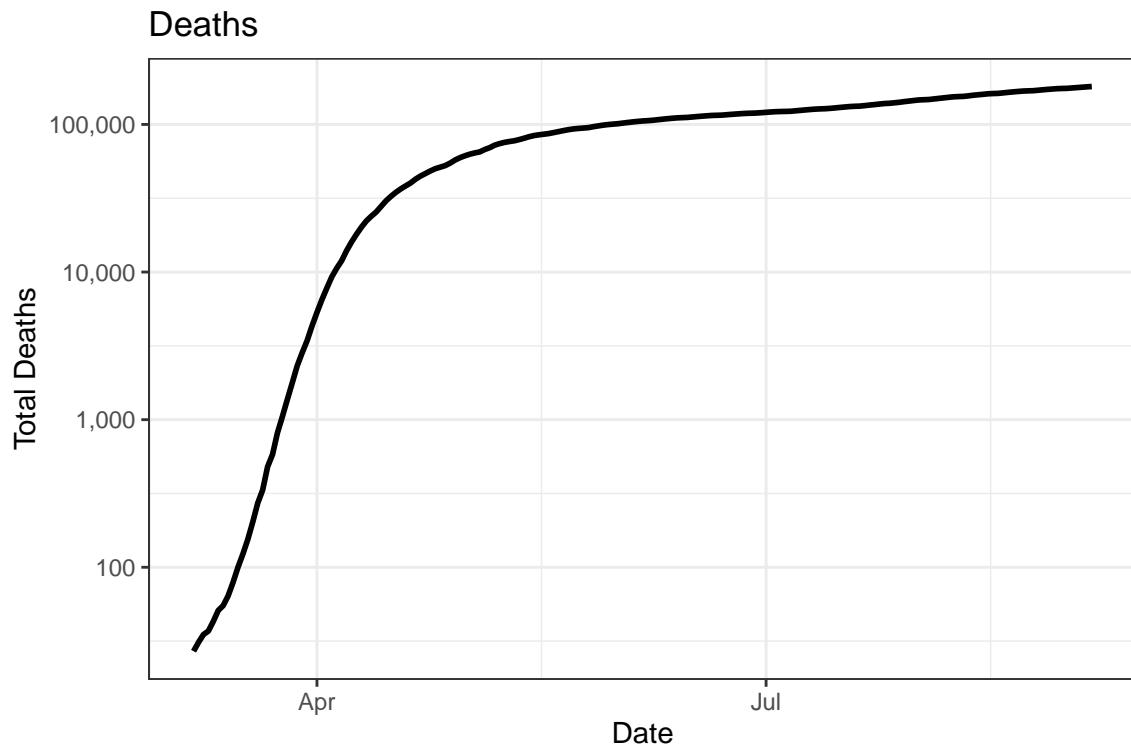
There have been 6,213,630 confirmed Covid-19 cases and 180,655 deaths in the United States.

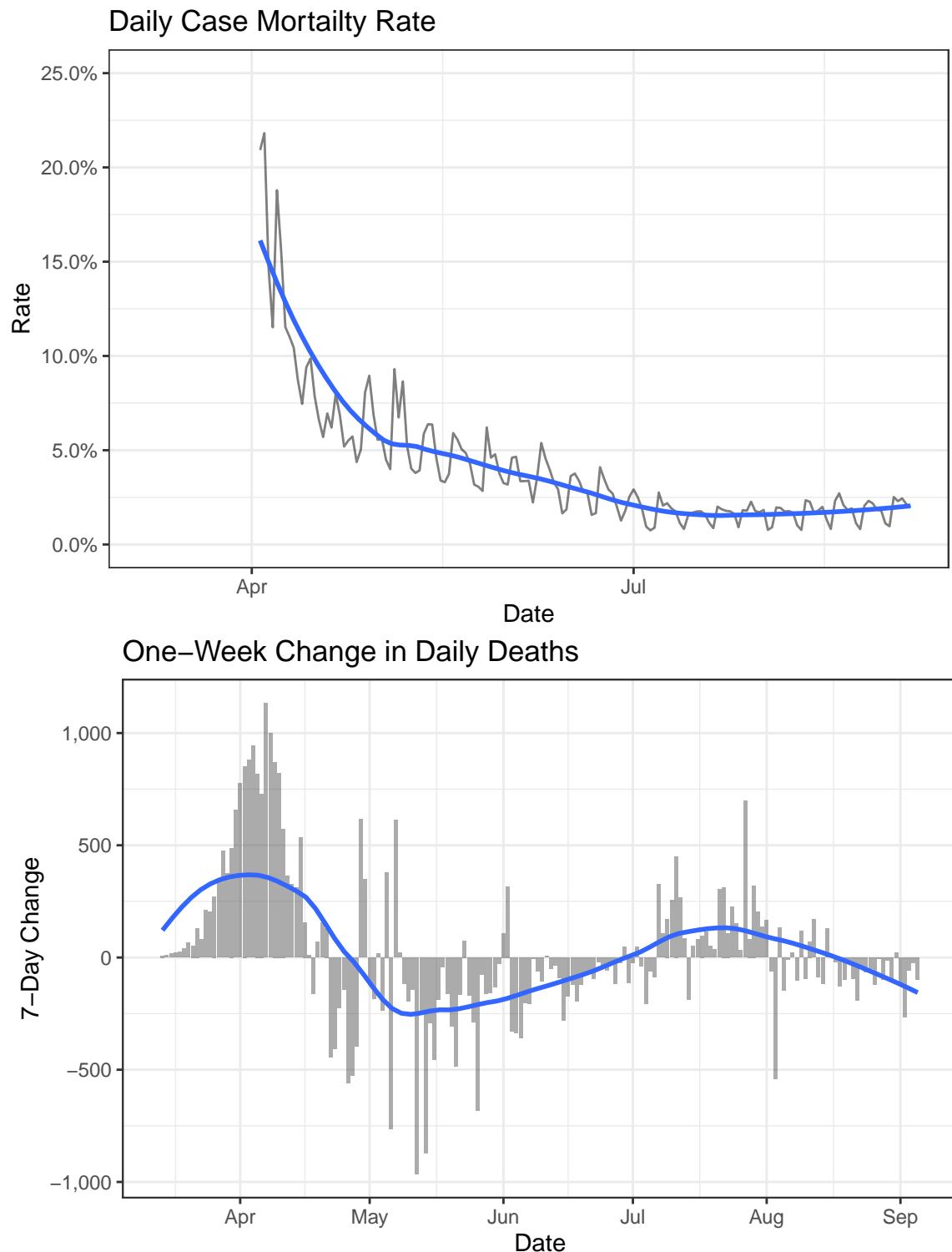
Table 2: U.S. Deaths and Cases over the Last Two Weeks

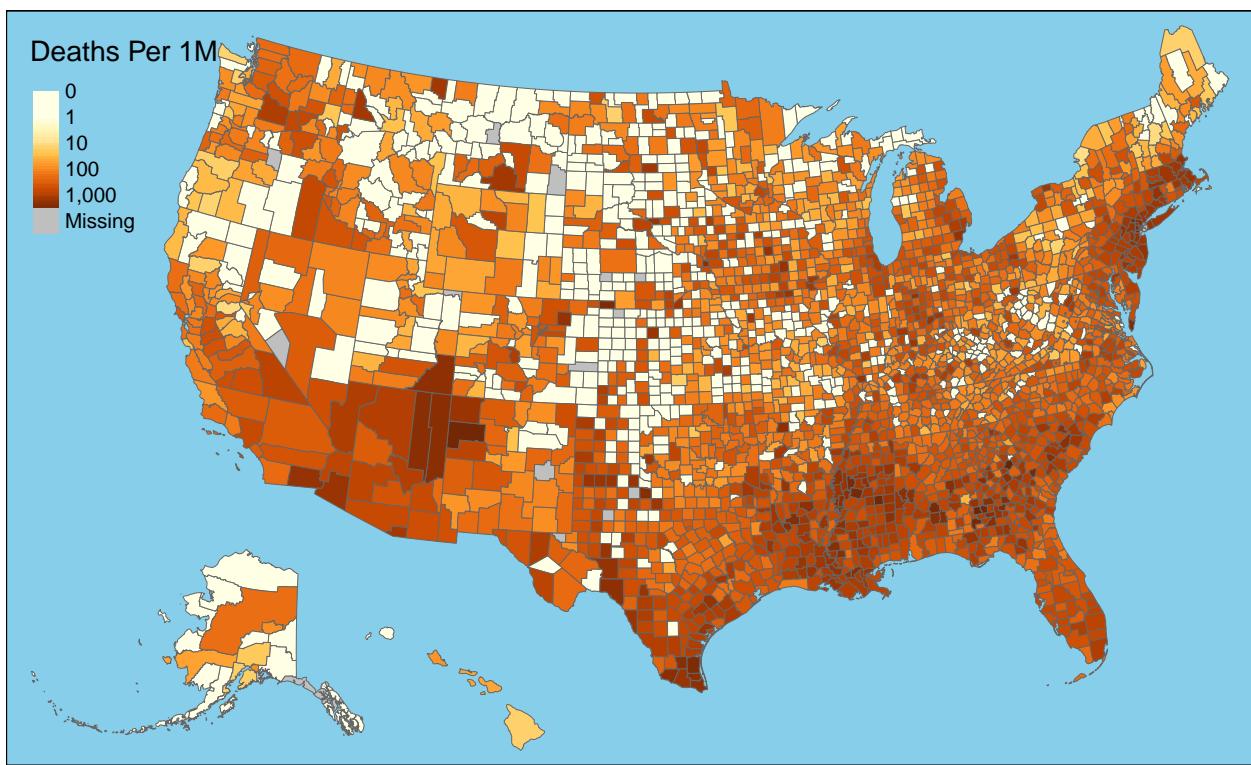
Date	Cases	Deaths	New Cases	New Deaths
2020-09-05	6,213,630	180,655	44,636	915
2020-09-04	6,168,994	179,740	51,513	998
2020-09-03	6,117,481	178,742	44,294	1,070
2020-09-02	6,073,187	177,672	30,604	1,032
2020-09-01	6,042,583	176,640	42,423	1,027
2020-08-31	6,000,160	175,613	31,406	366
2020-08-30	5,968,754	175,247	39,498	475
2020-08-29	5,929,256	174,772	44,502	1,015
2020-08-28	5,884,754	173,757	46,546	1,023
2020-08-27	5,838,208	172,734	43,984	1,129
2020-08-26	5,794,224	171,605	44,057	1,298
2020-08-25	5,750,167	170,307	36,374	1,147
2020-08-24	5,713,793	169,160	34,641	343
2020-08-23	5,679,152	168,817	37,567	572

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.



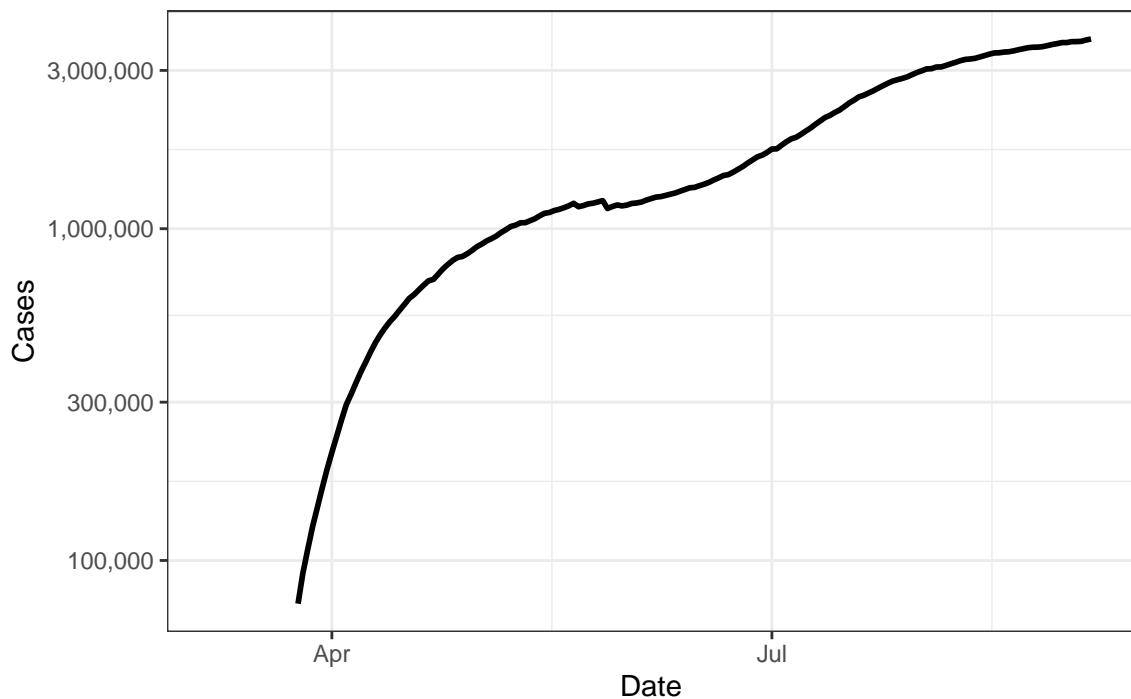




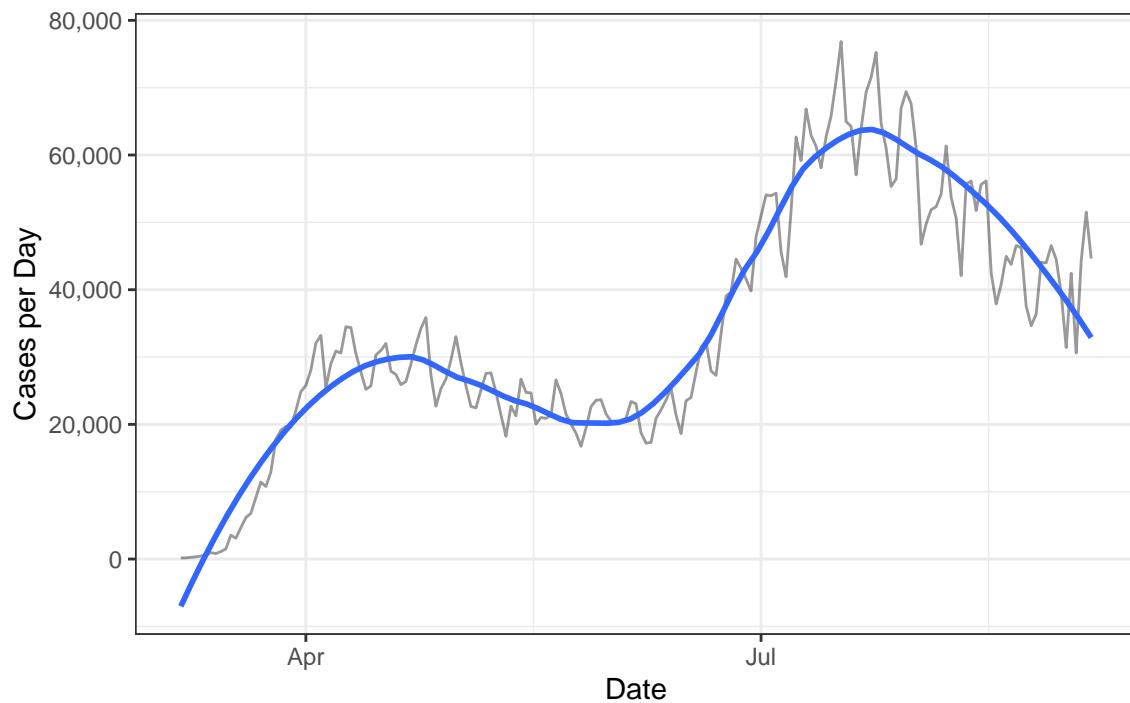
Cases

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

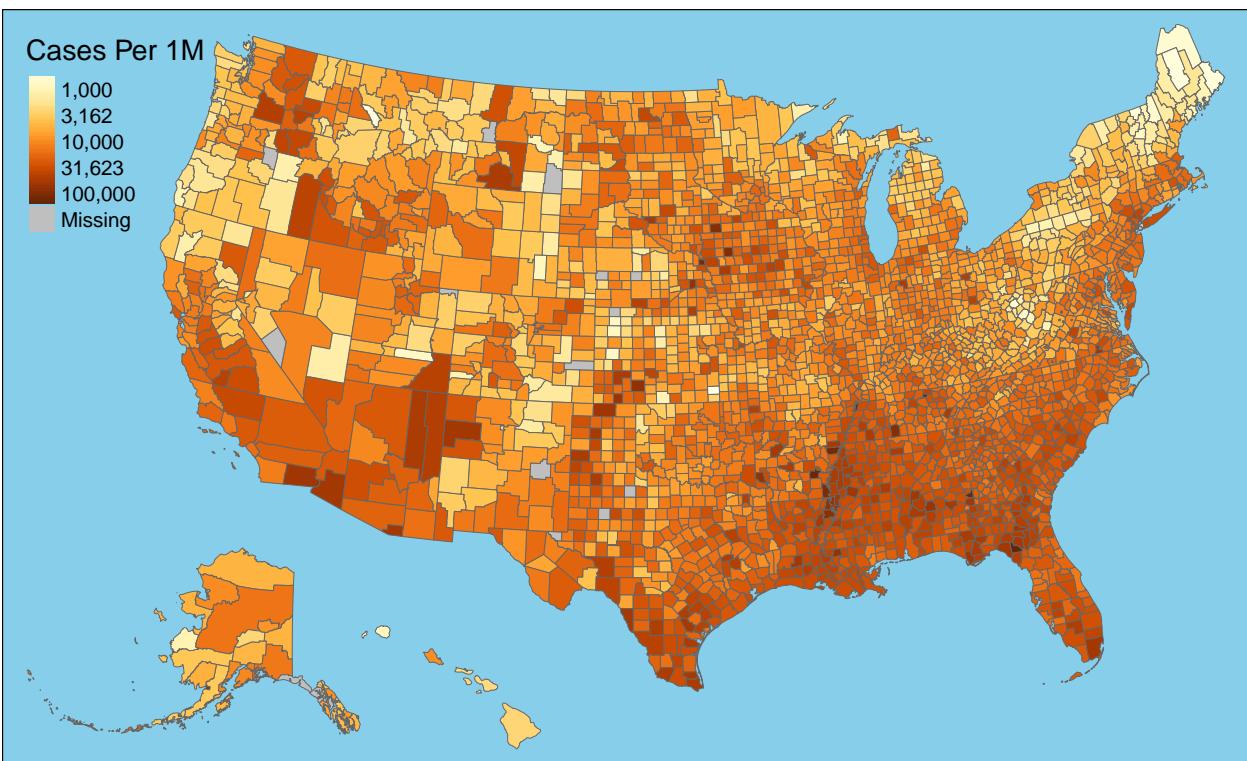
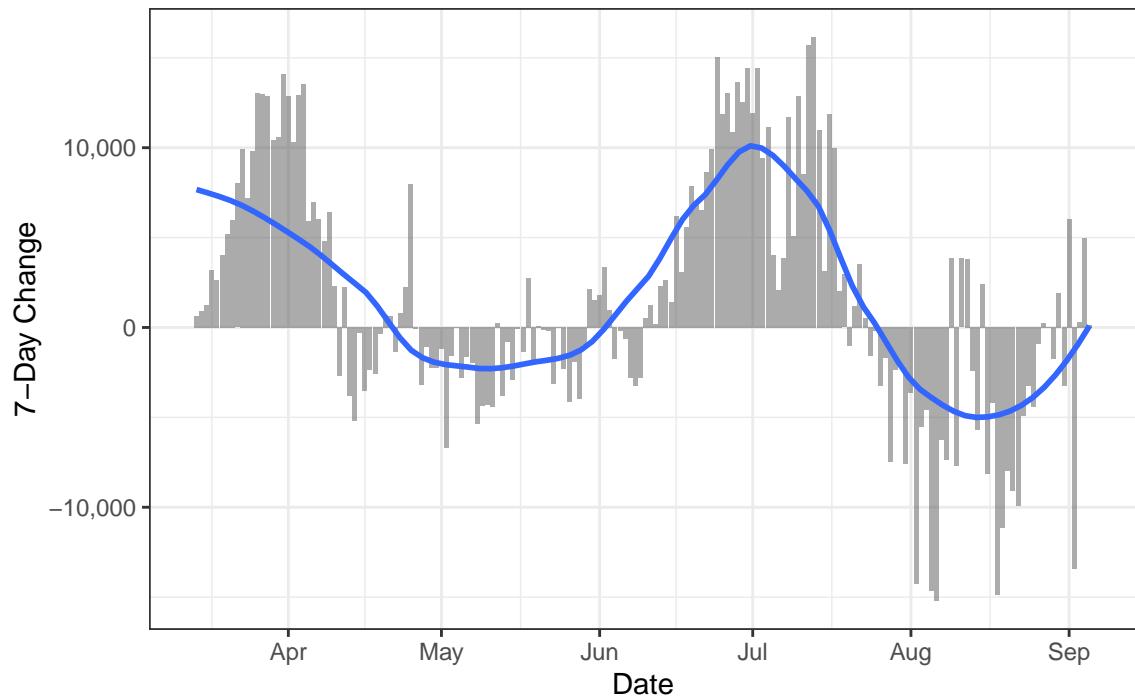
Active Cases



New Cases

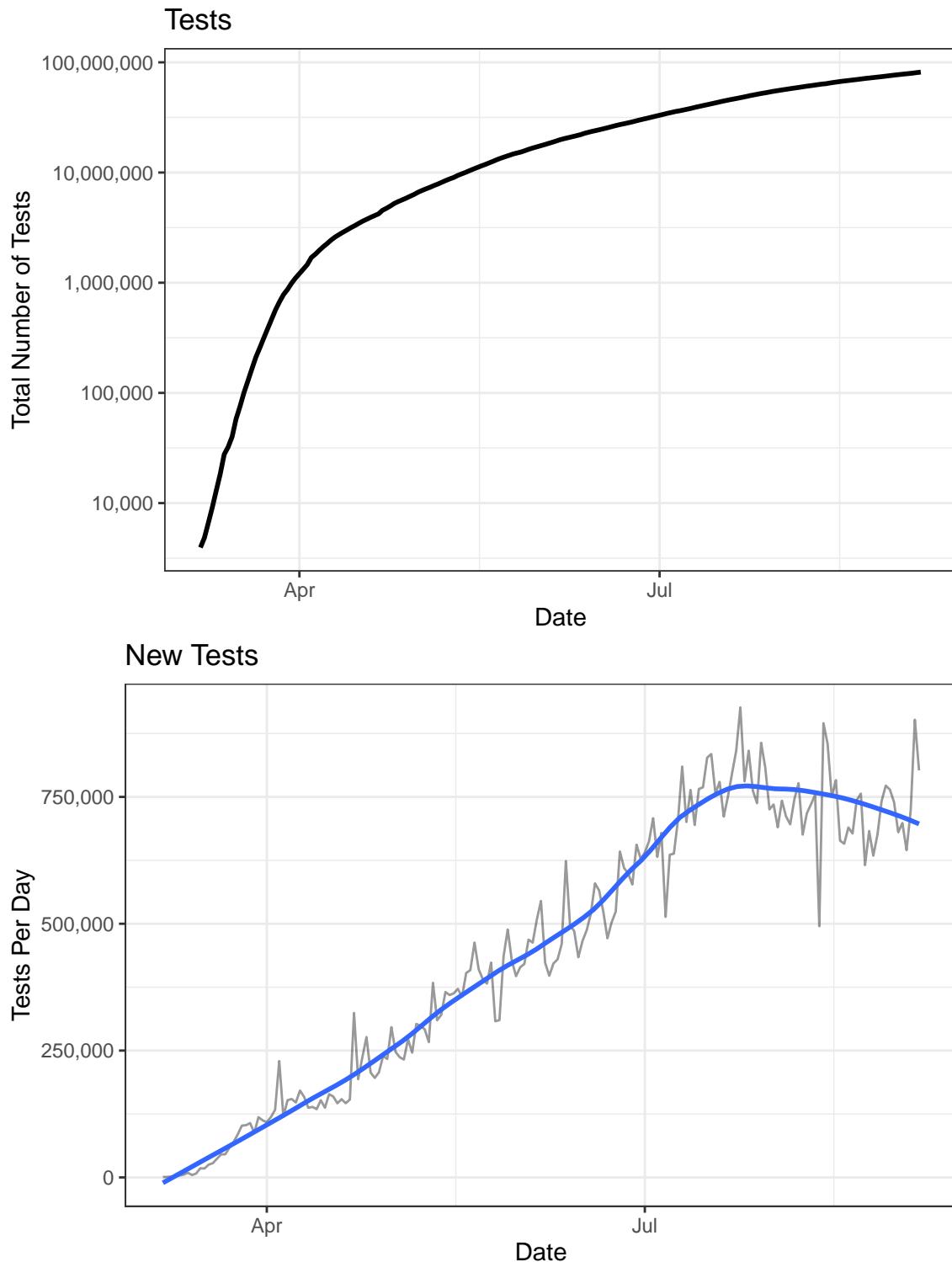


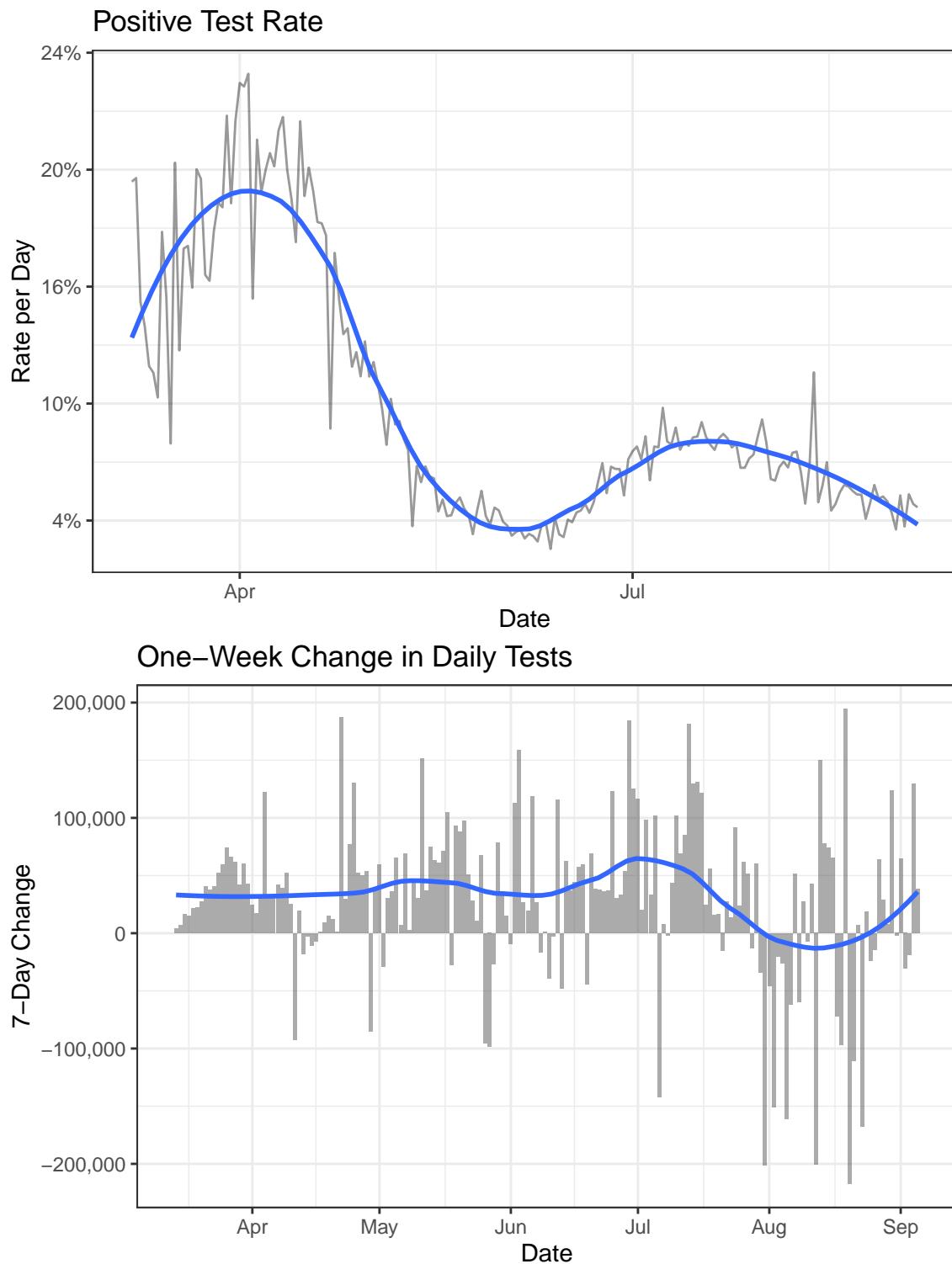
One-Week Change in Daily Cases



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.



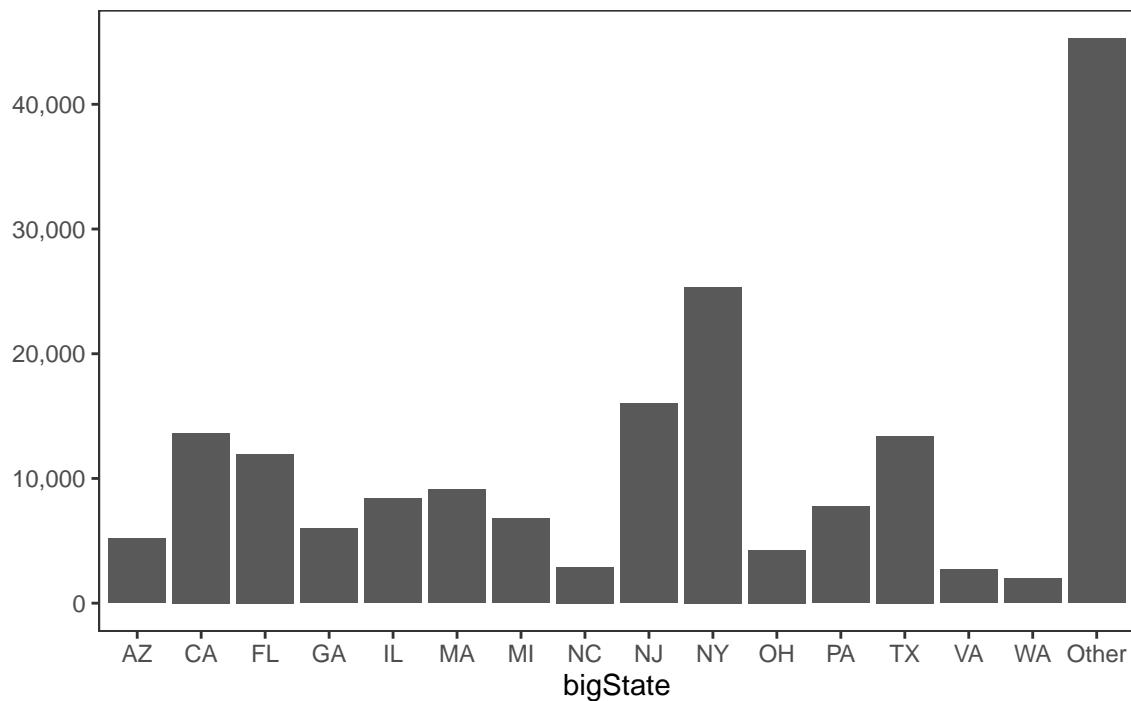


State Data

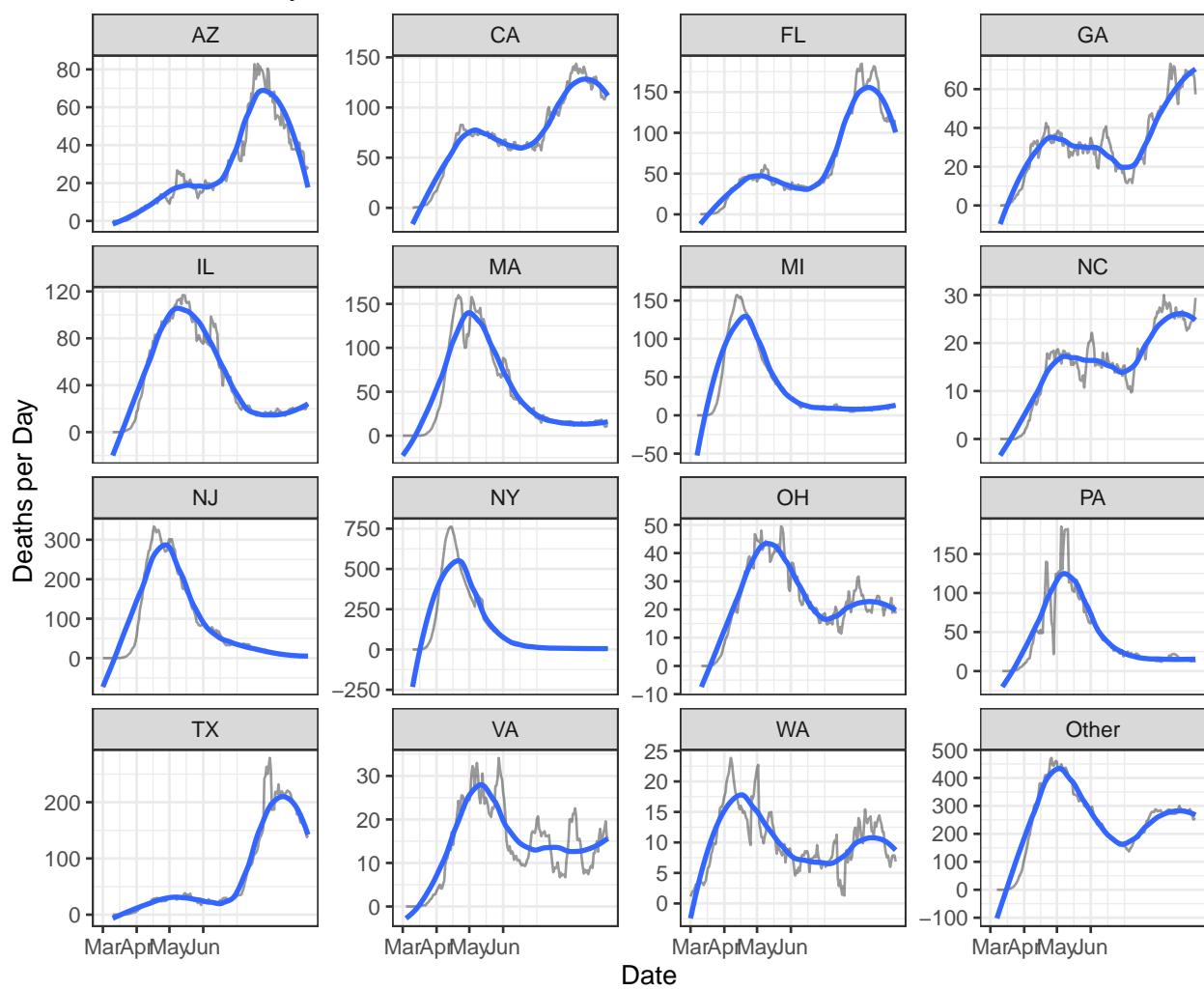
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

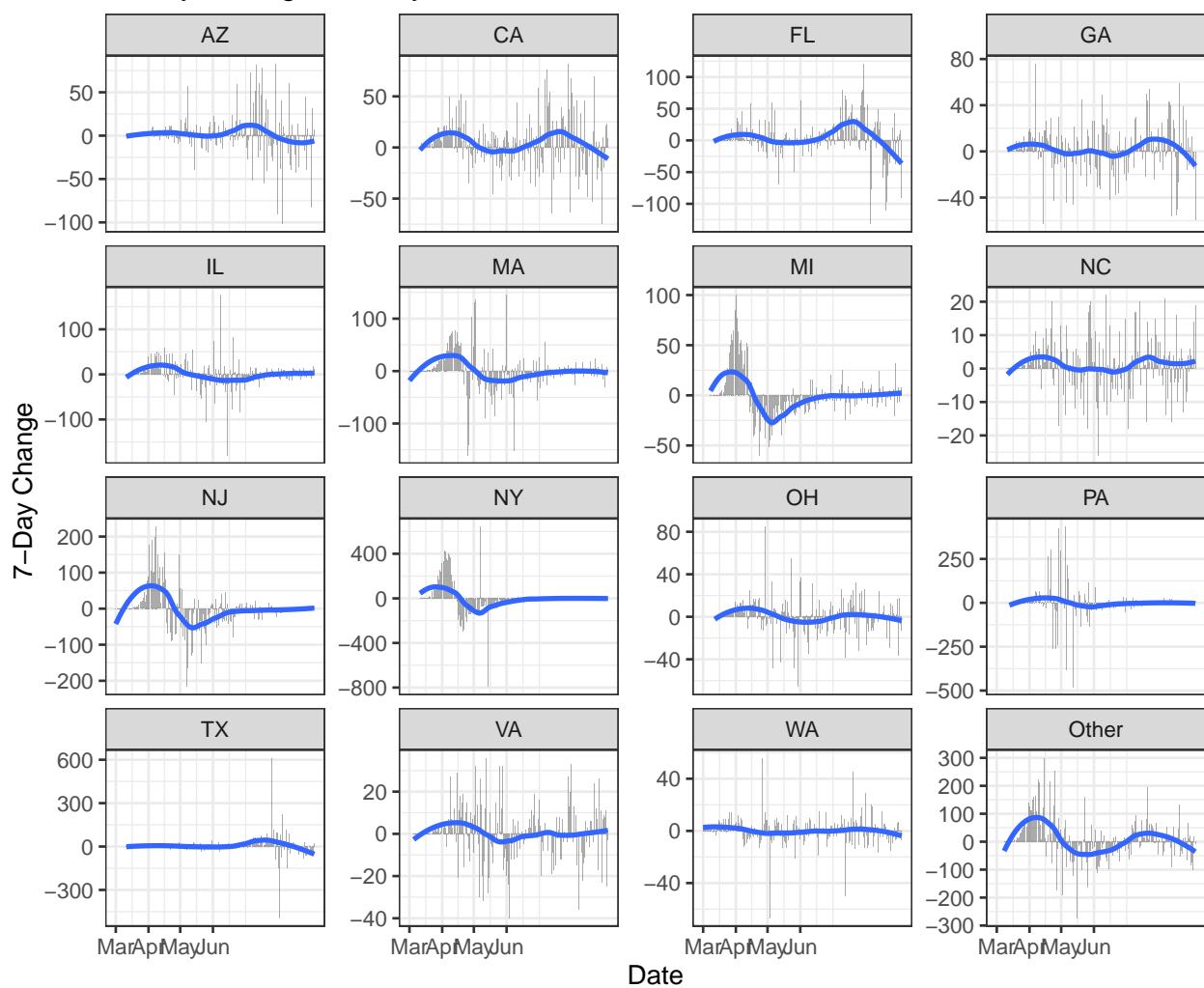
Deaths by State

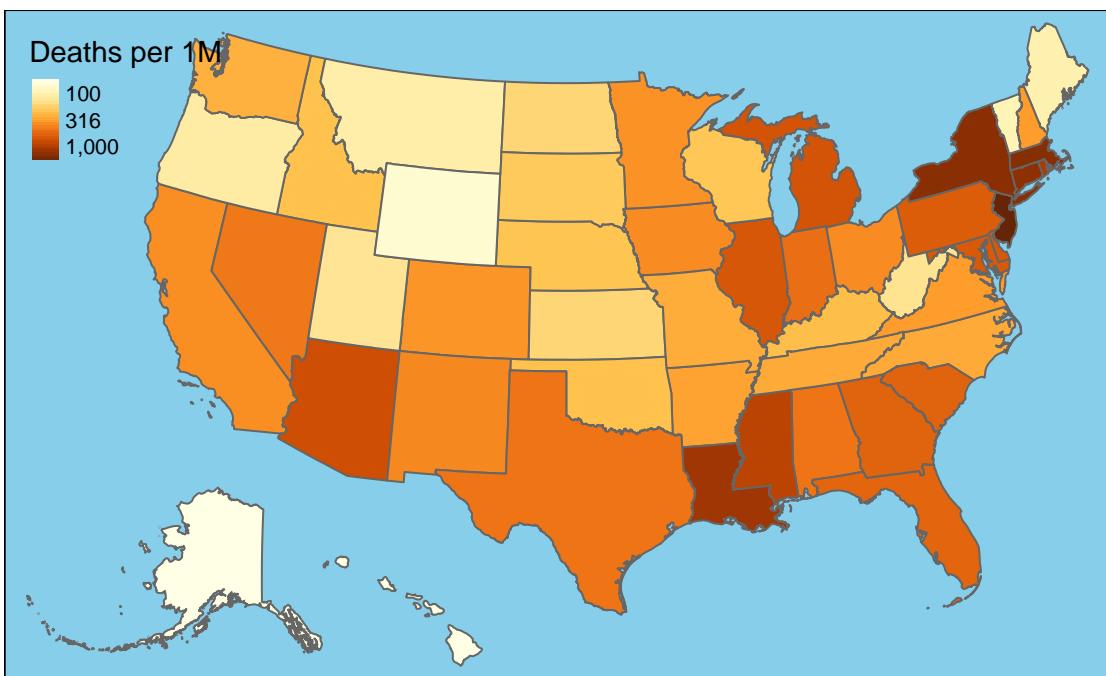
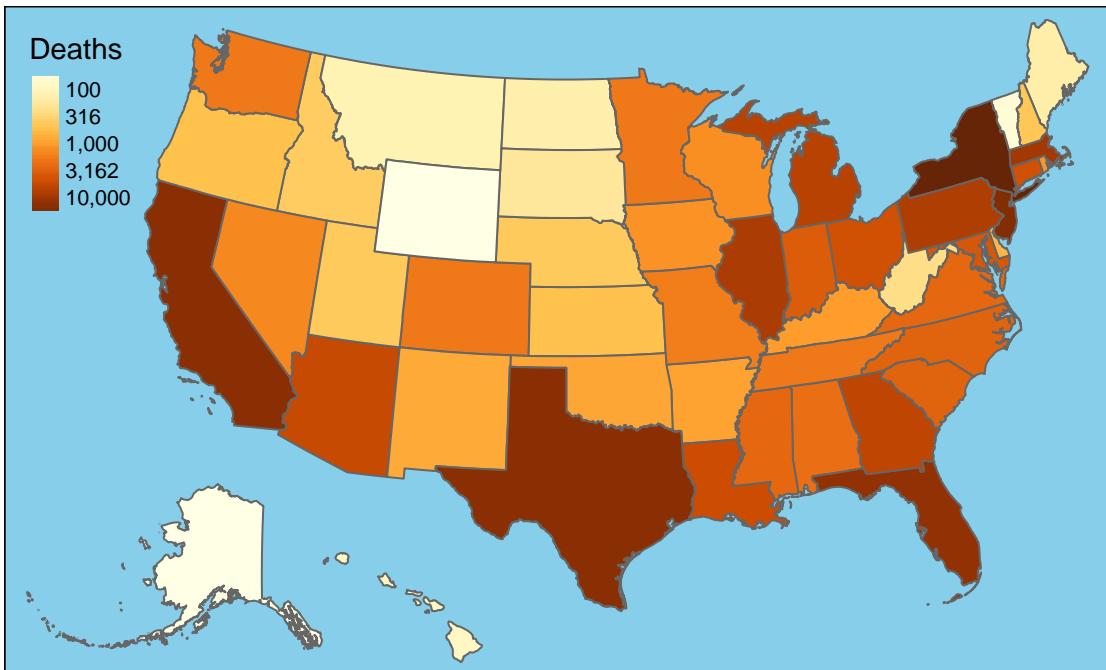


New Deaths by State



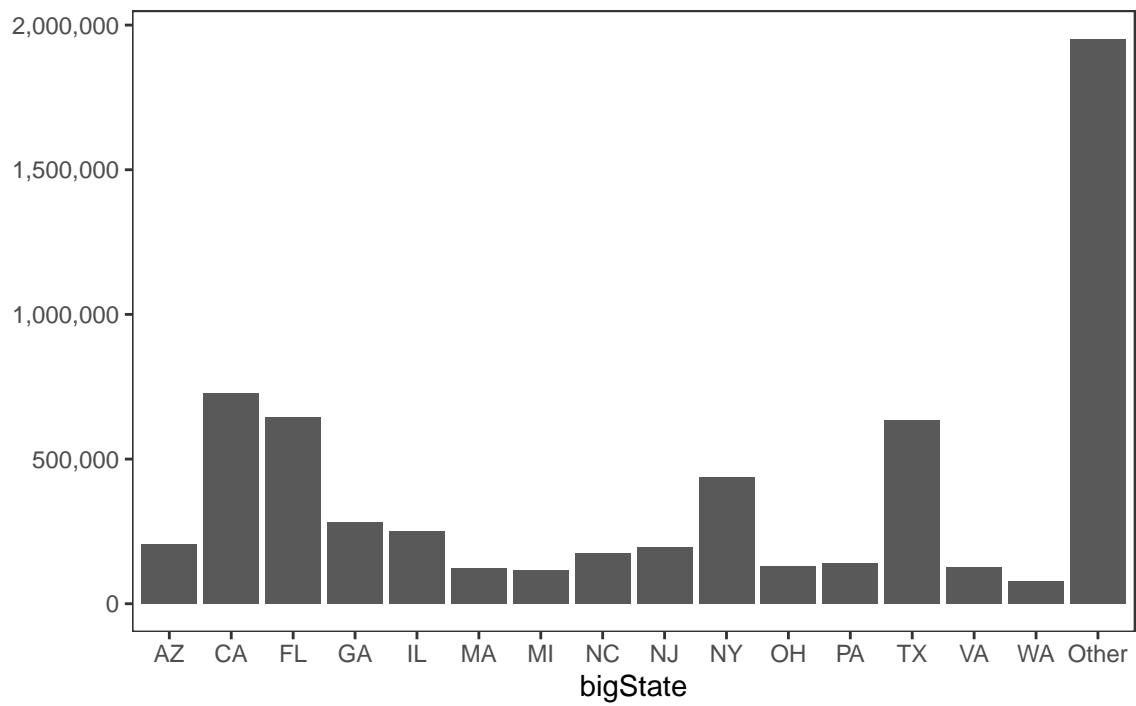
7-Day Change in Daily Deaths



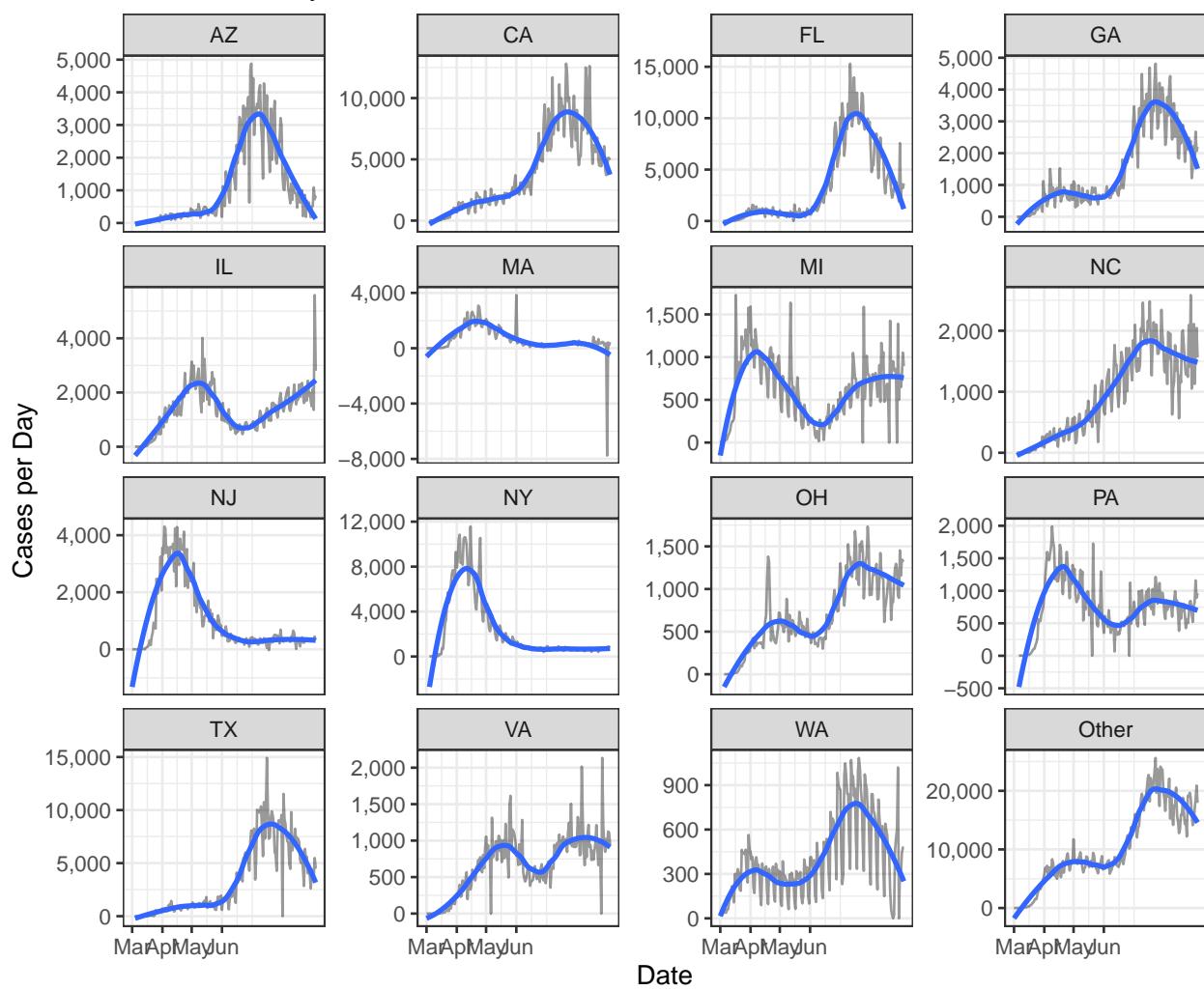


Cases

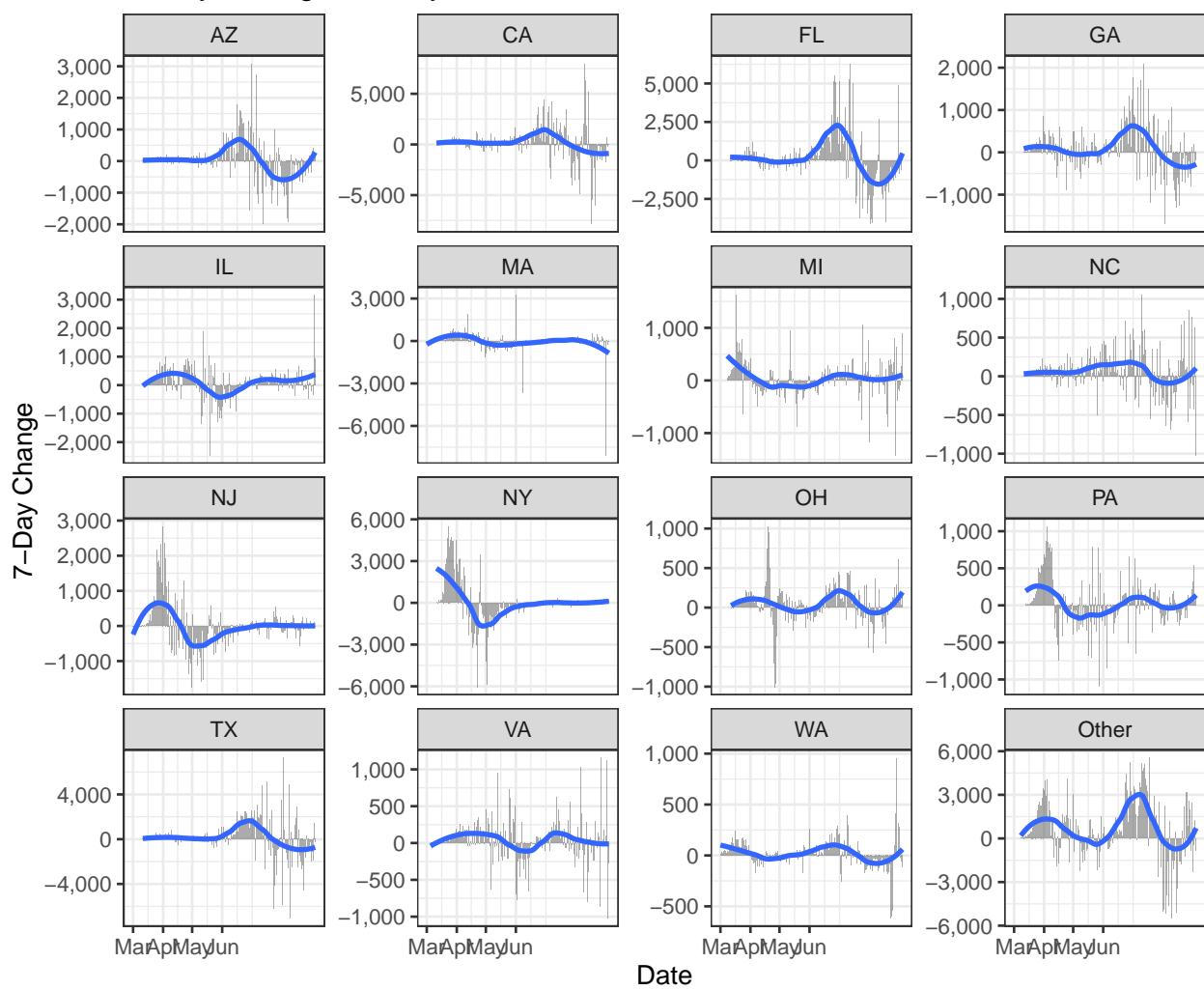
Cases by State

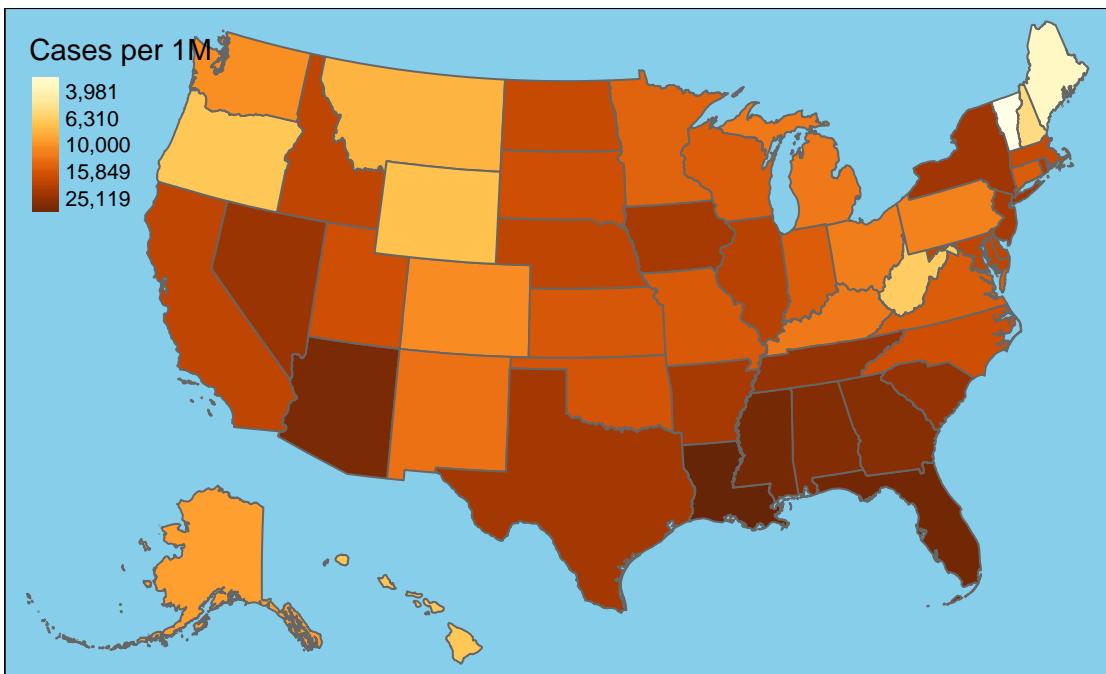
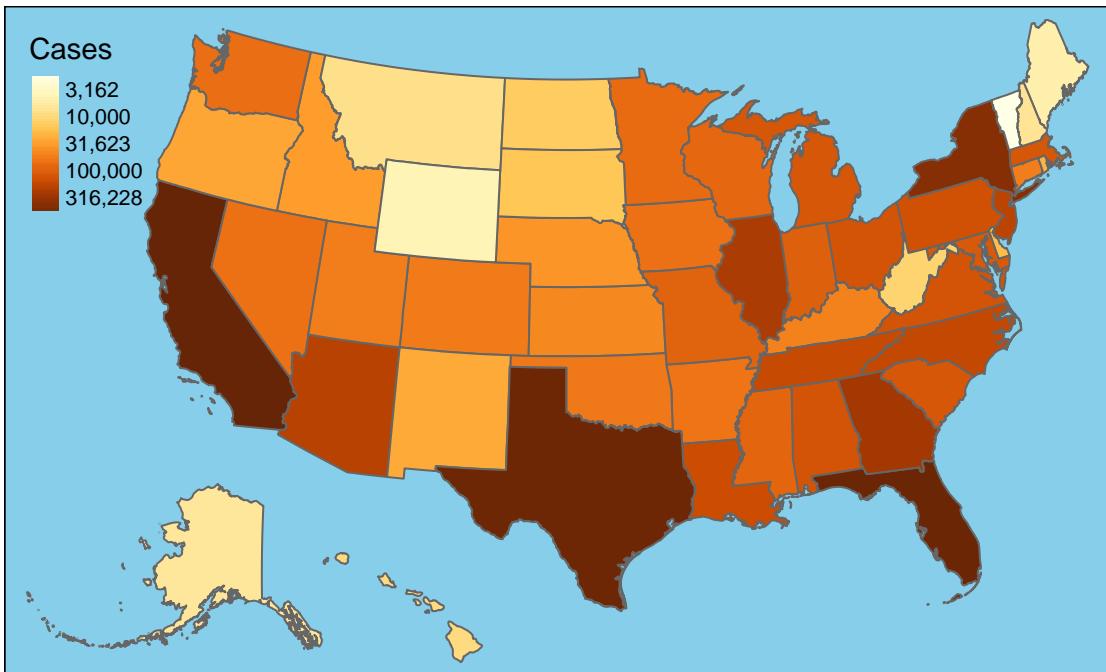


New Cases by State



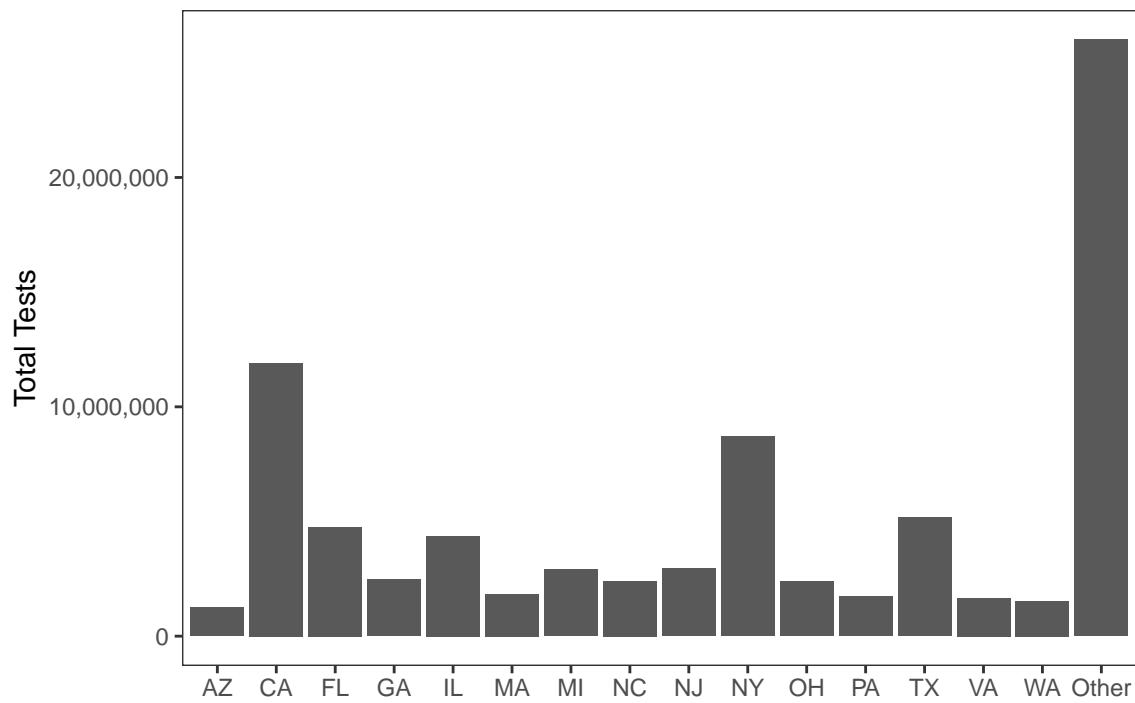
7-Day Change in Daily Cases



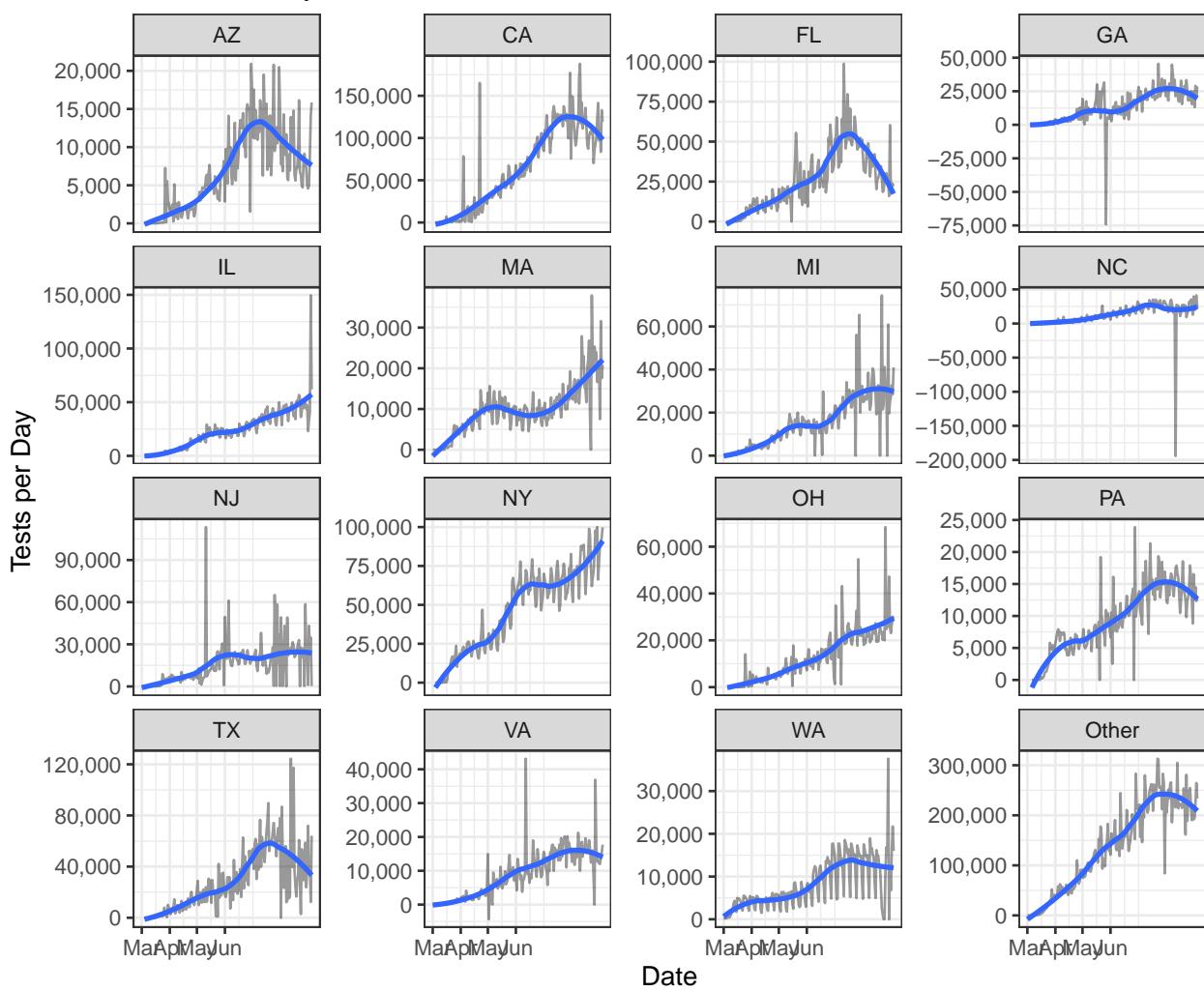


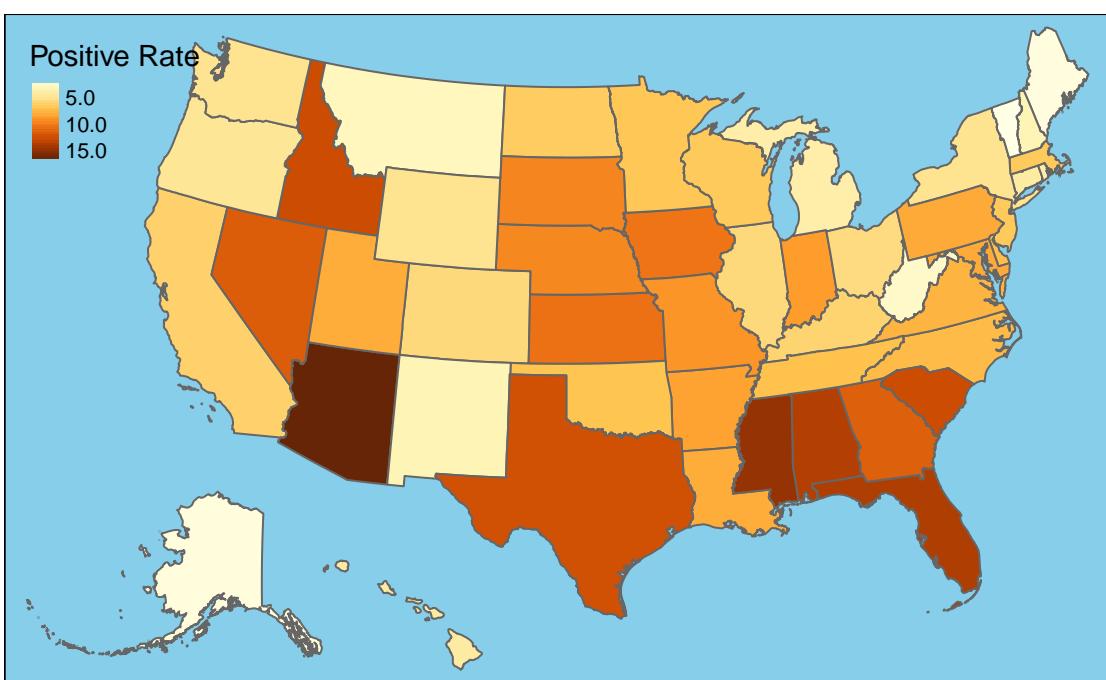
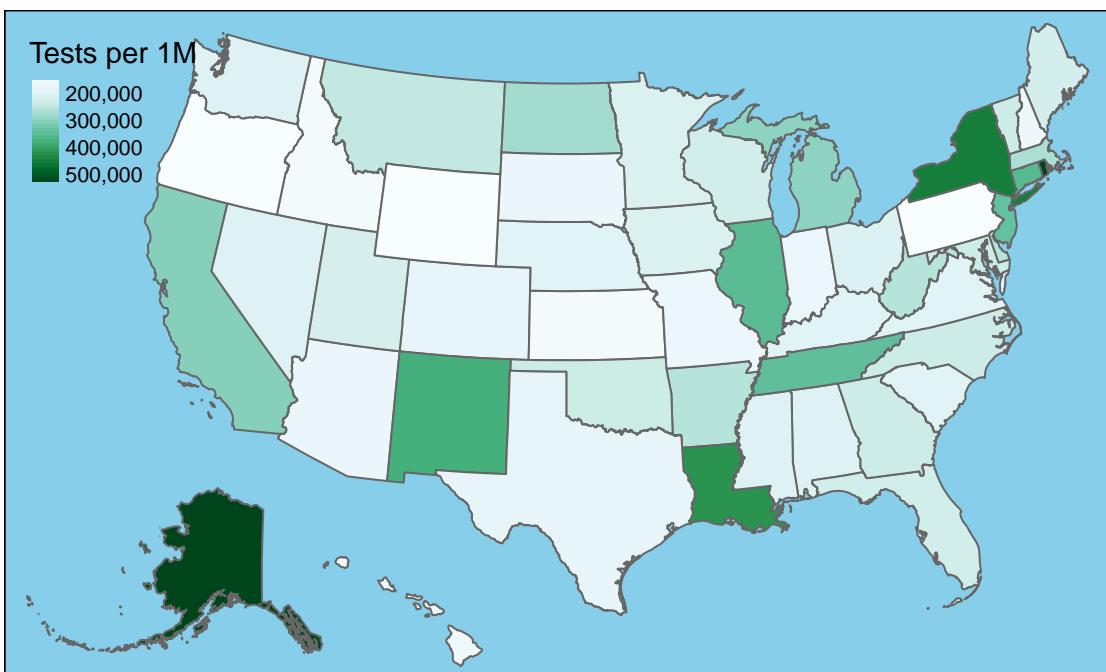
Testing

Tests by State

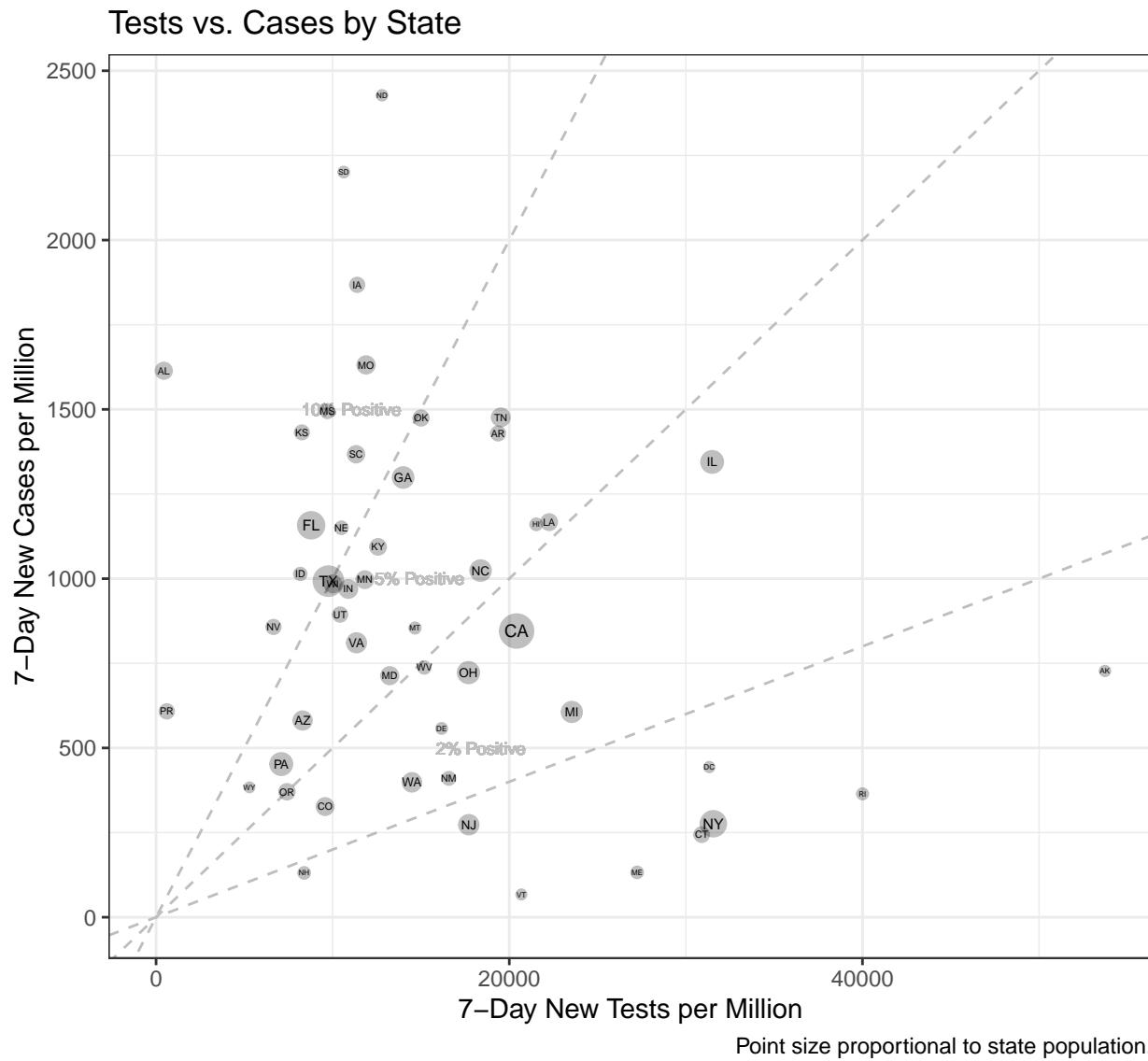


New Tests by State





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.



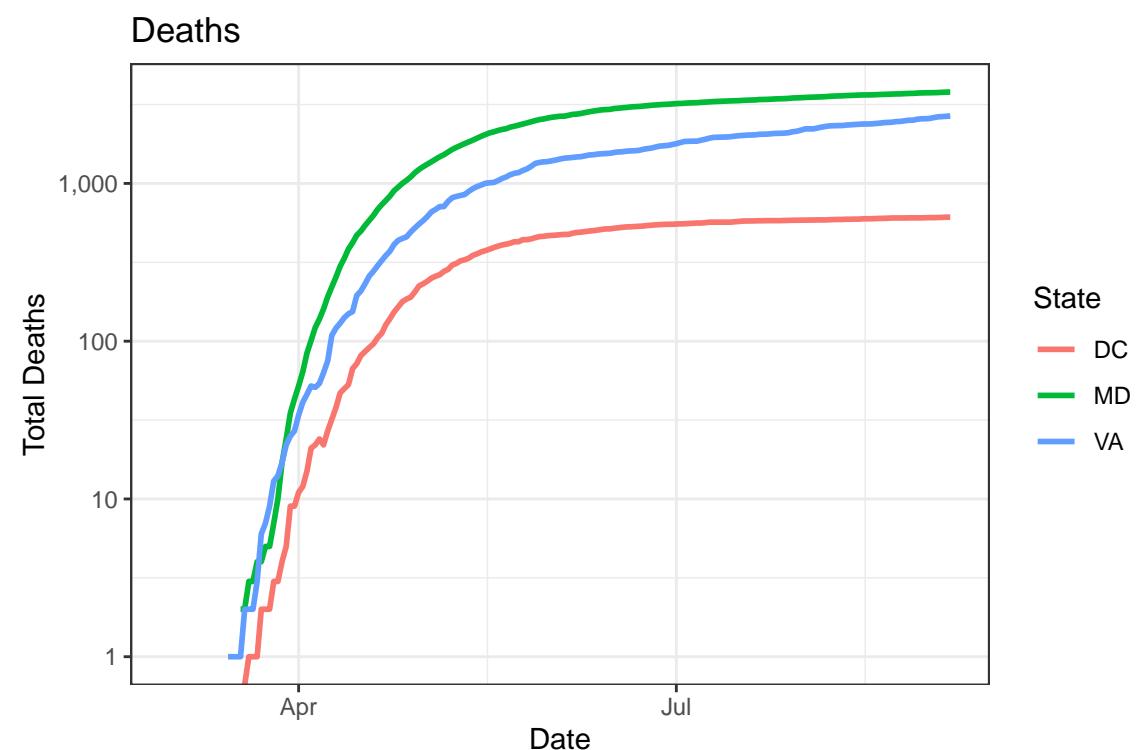
Local Data

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

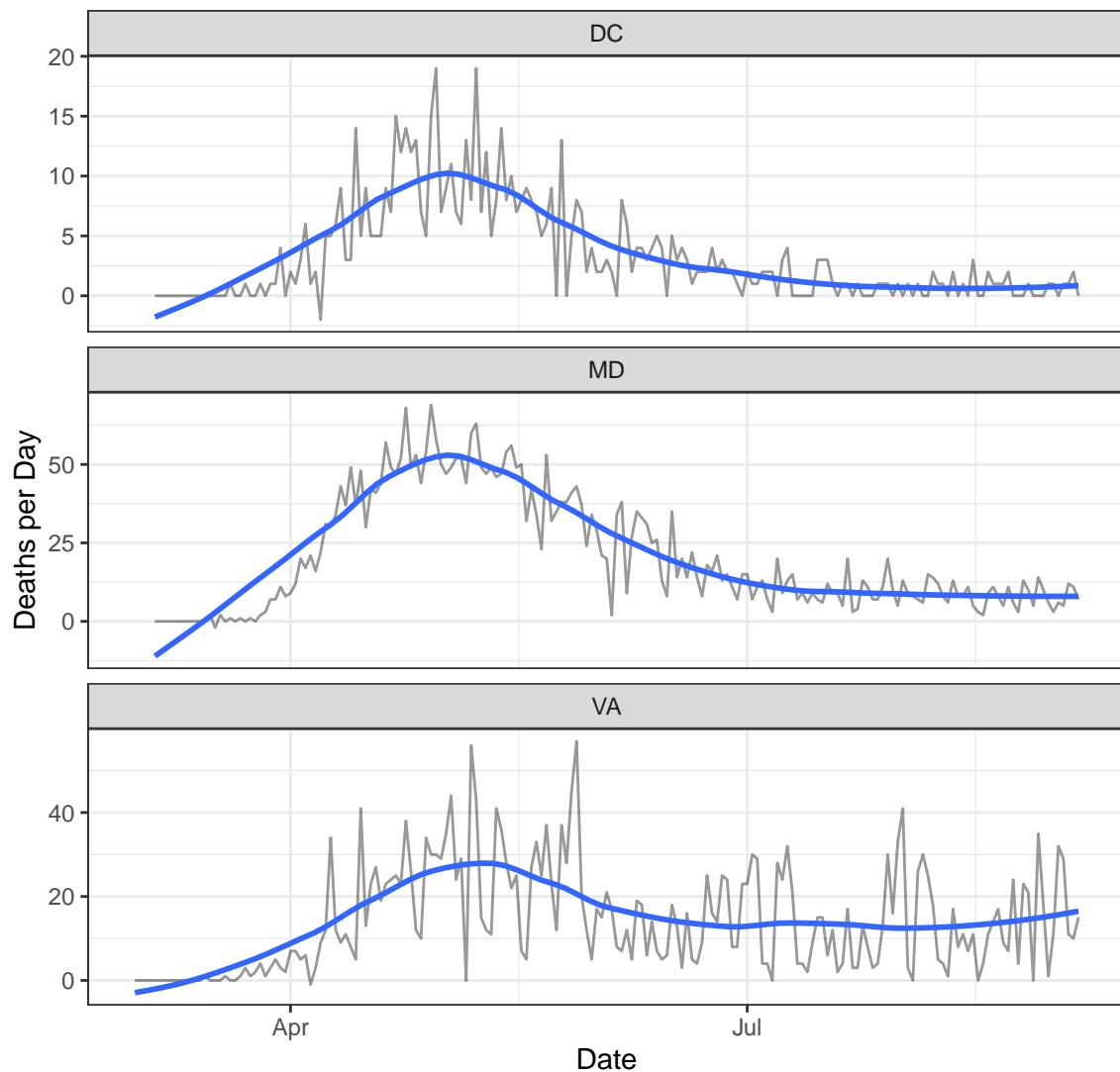
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,238	611	52	0
MD	111,607	3,796	776	7
VA	125,727	2,677	948	15

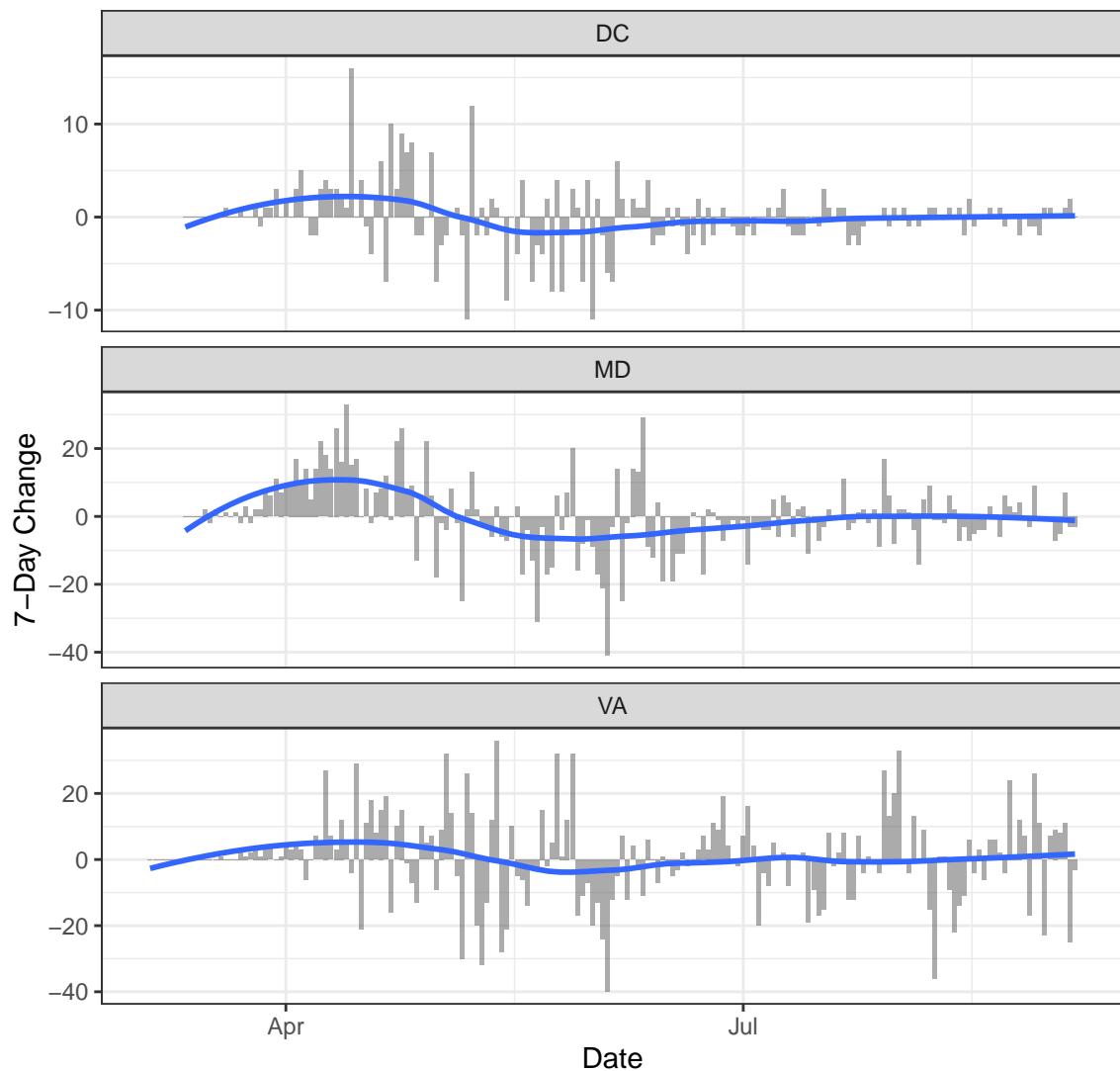
Deaths

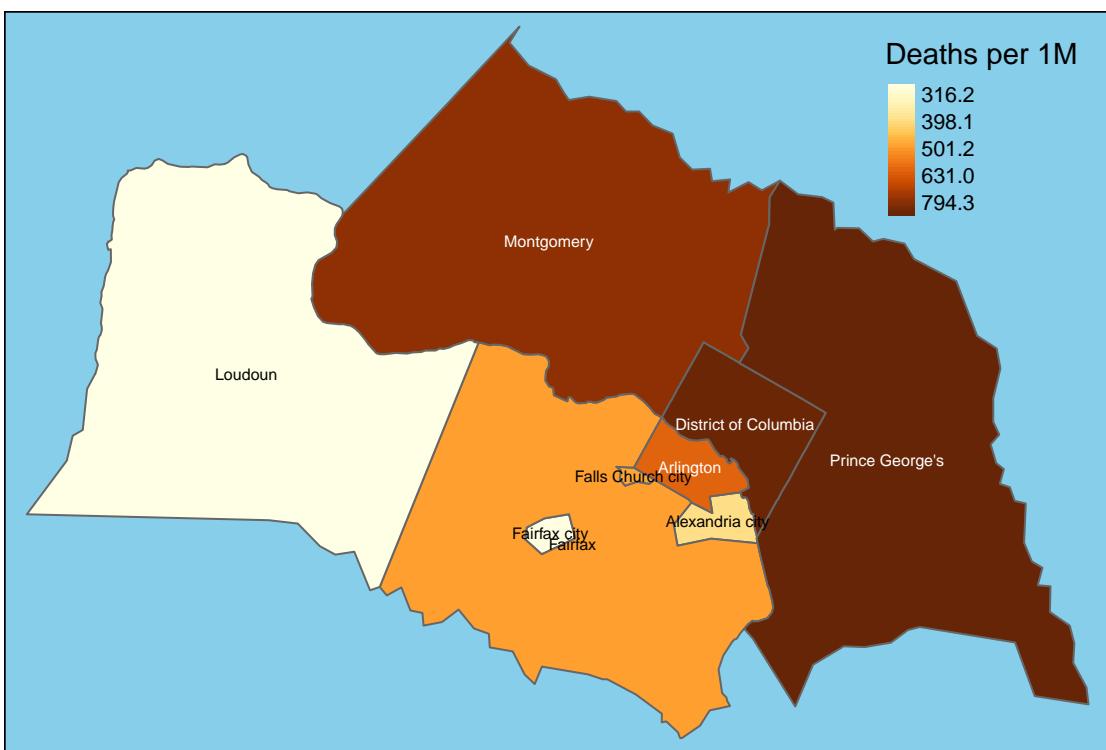
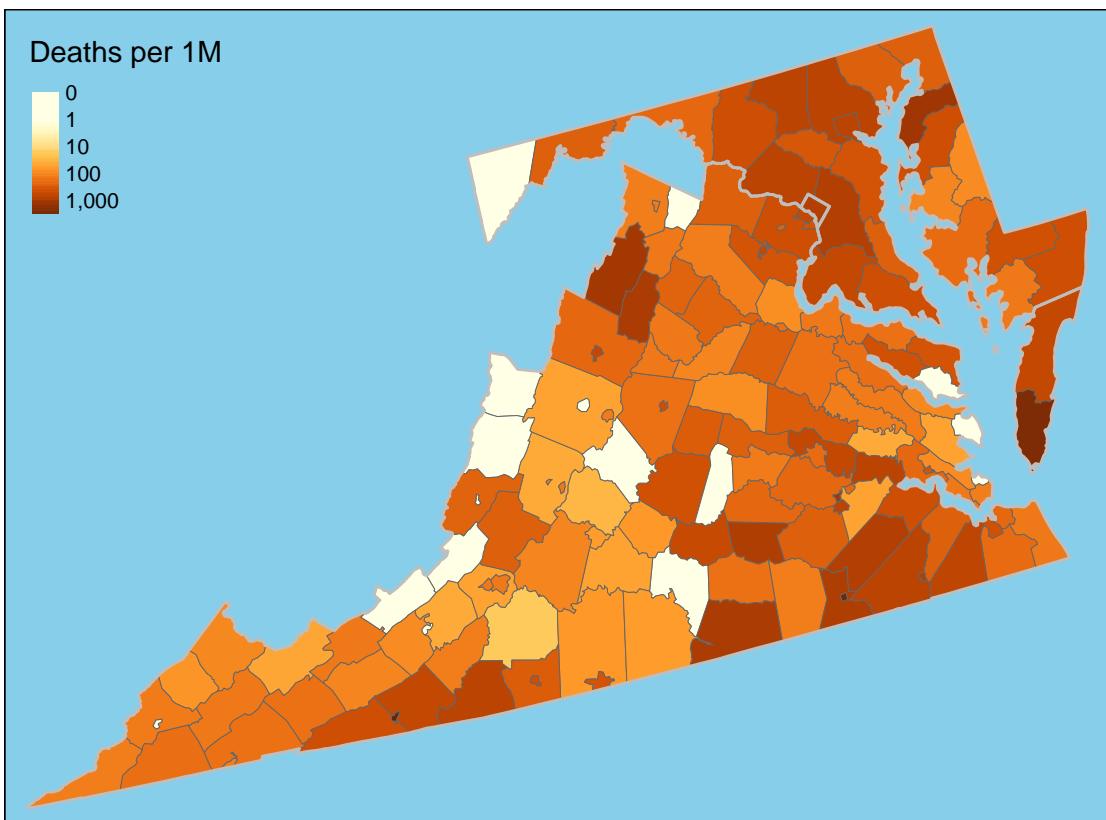


New Deaths

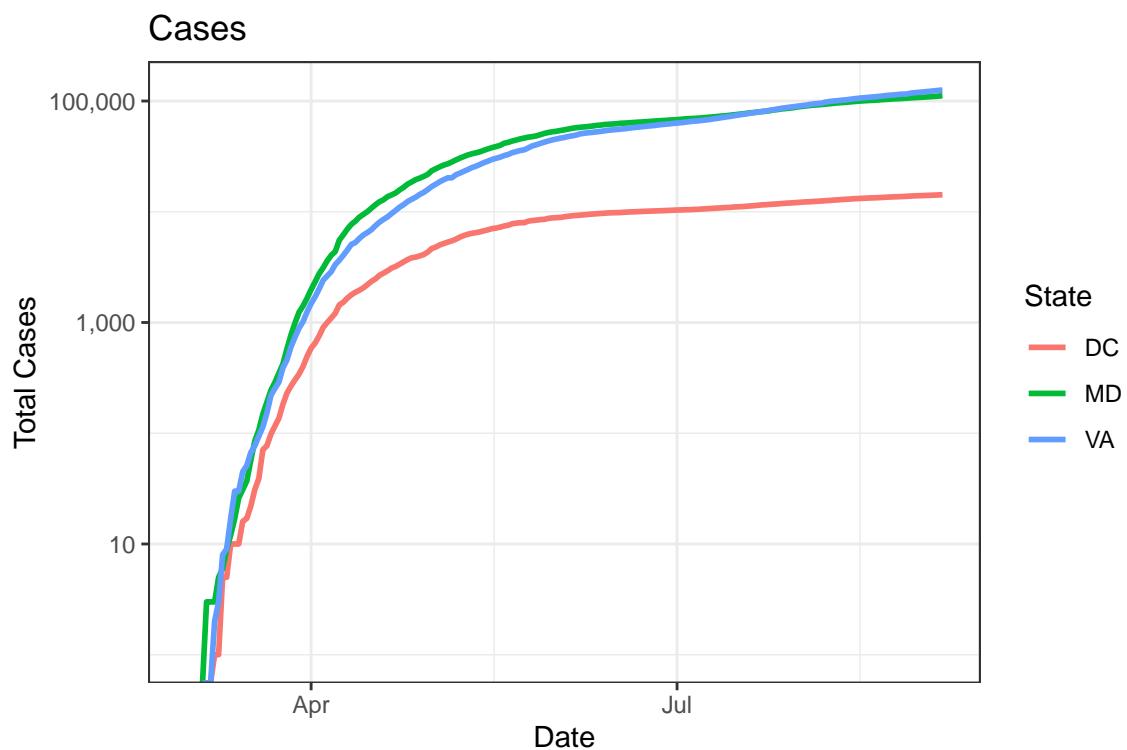


One-Week Change in Daily Deaths

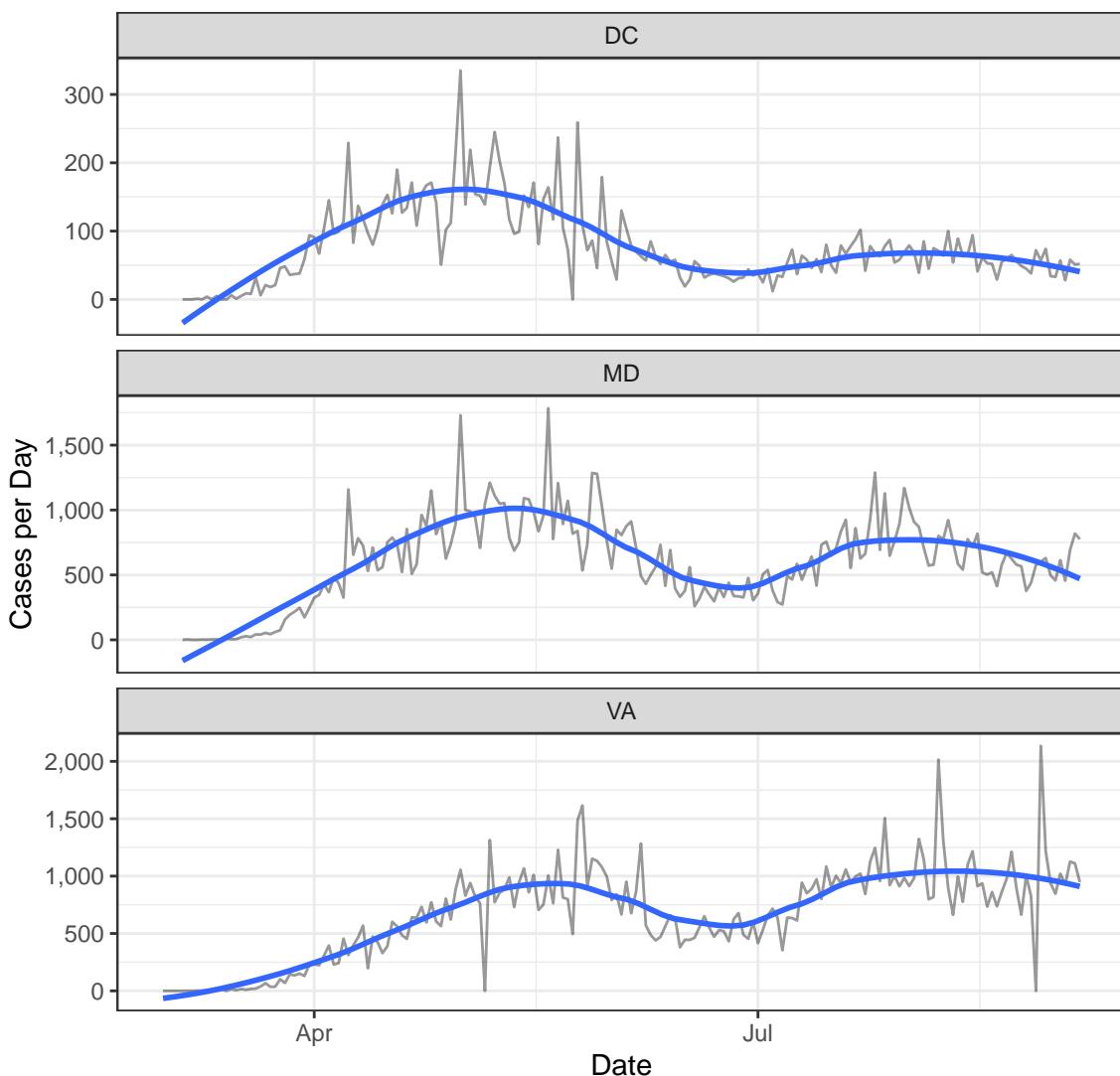




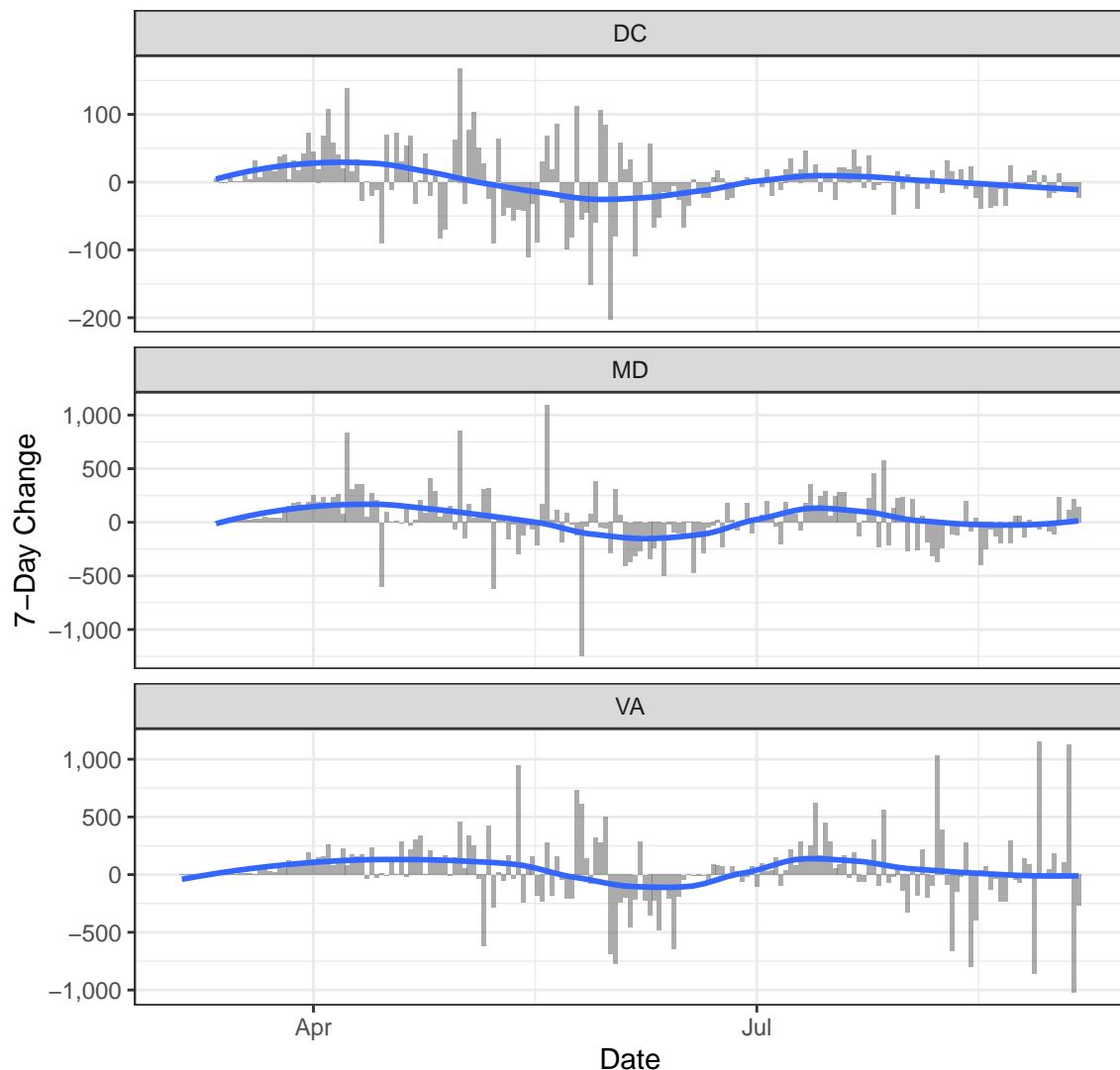
Cases

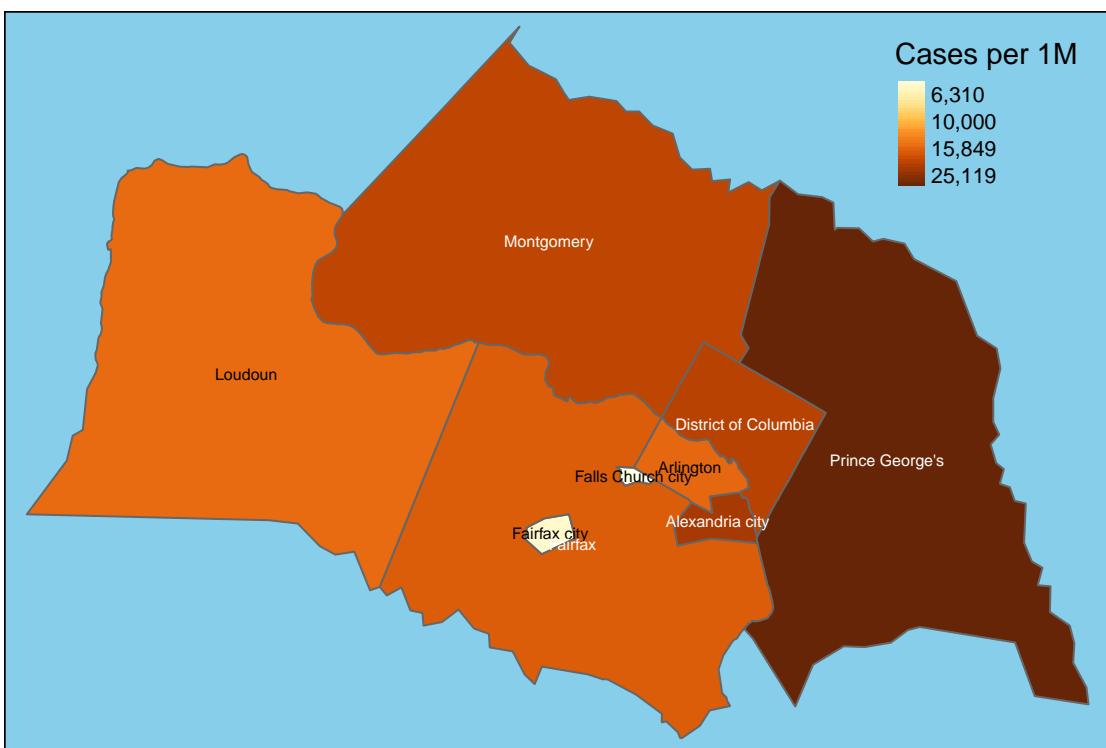
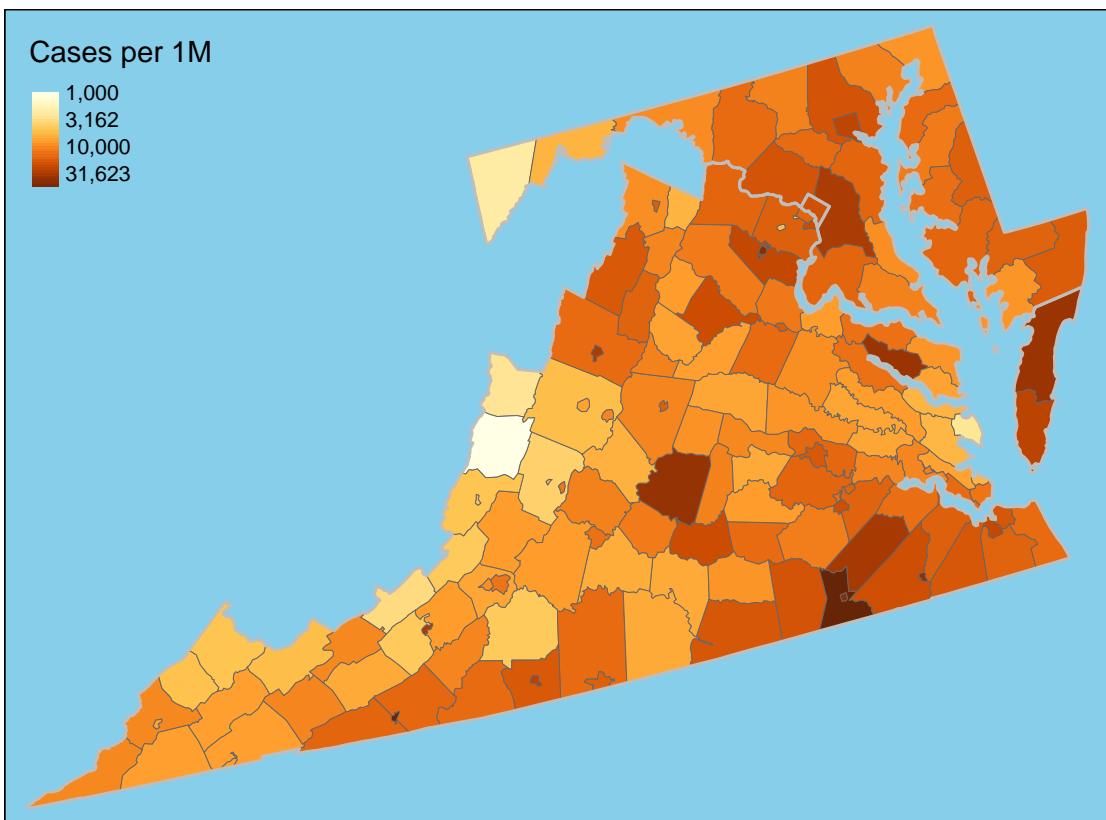


New Cases

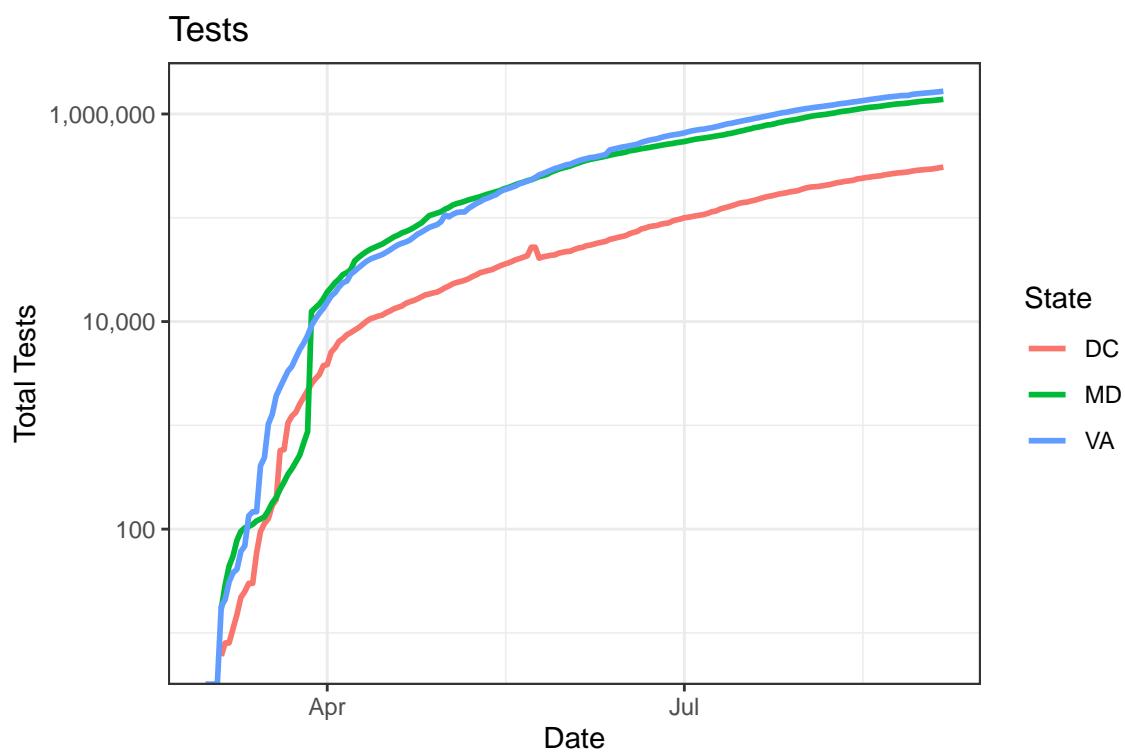


One-Week Change in Daily Cases

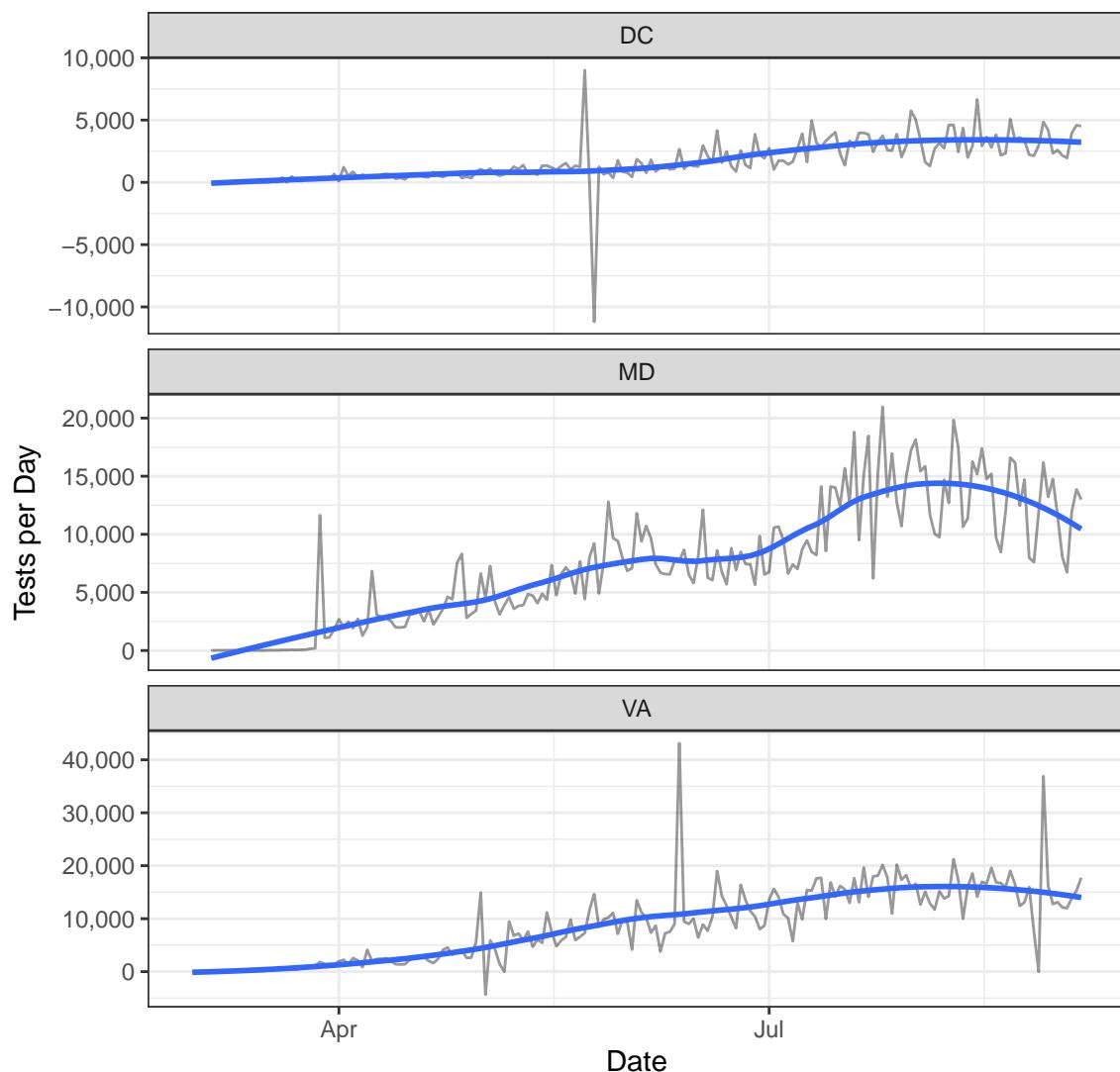




Testing



New Tests



Positive Test Rate

