

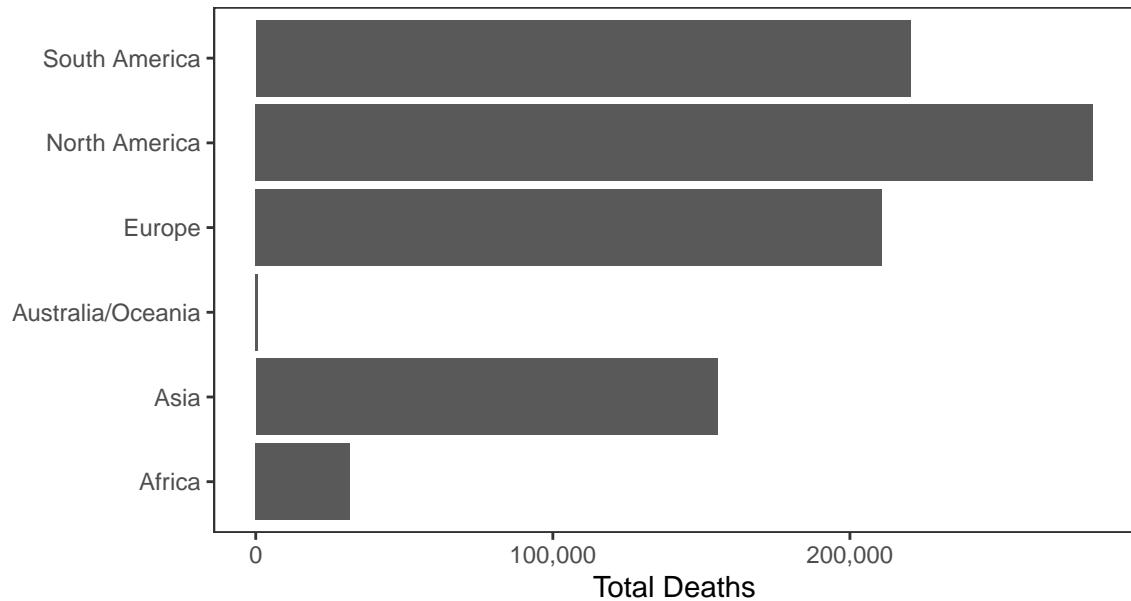
Erik's Covid-19 Chart Pack

Data updated 2020-09-09 08:17:58. 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 27,728,130 confirmed Covid-19 cases and 901,079 deaths worldwide.

Deaths



Cases

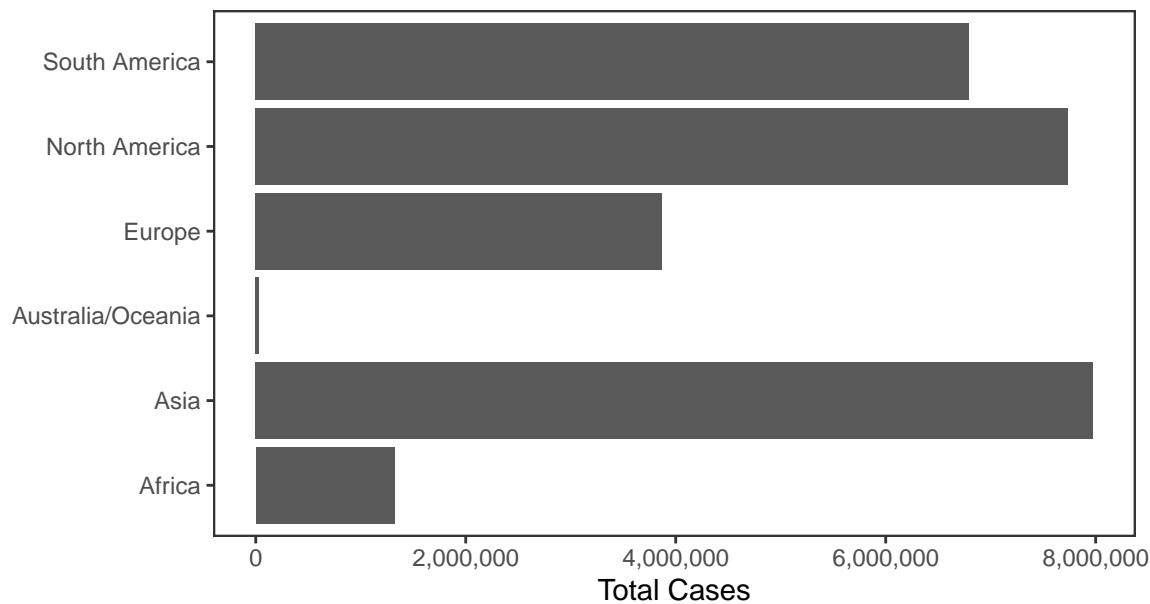
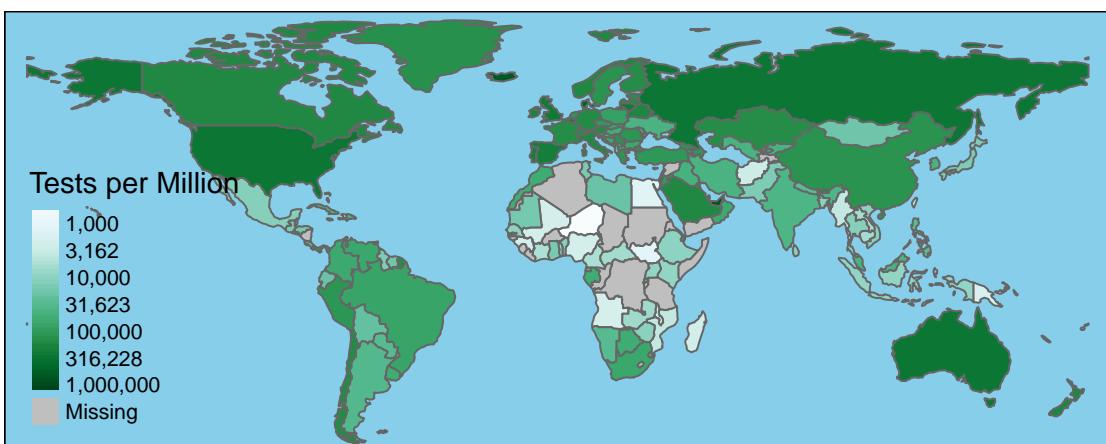
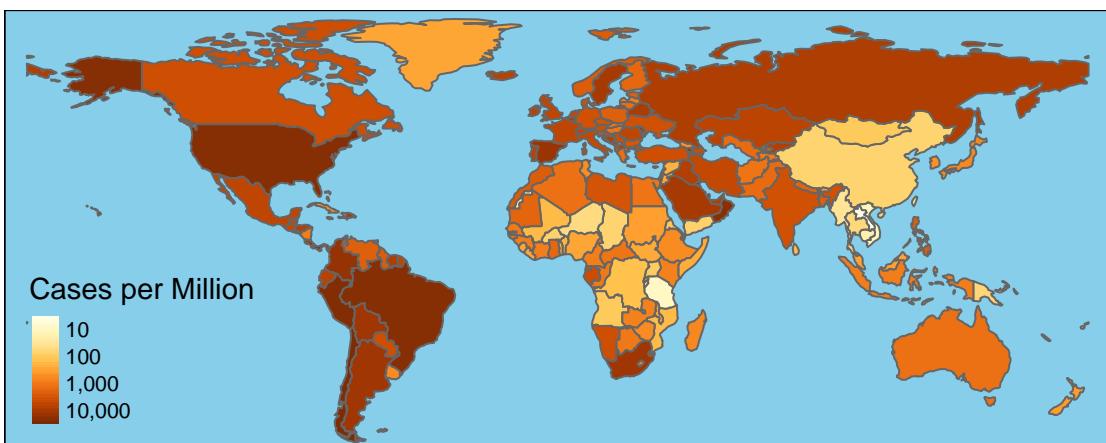
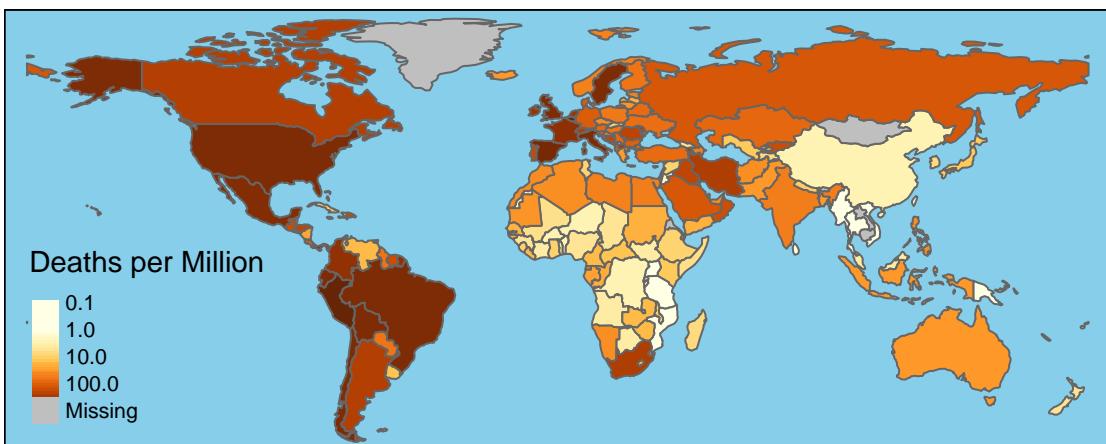


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,514,231	194,032	28,561	498
India	4,367,436	73,923	89,852	1,107
Brazil	4,165,124	127,517	17,330	516
Russia	1,035,789	17,993	5,099	122
Peru	696,190	30,123	4,615	147
Colombia	679,513	21,817	7,665	202
South Africa	640,441	15,086	1,079	82
Mexico	637,509	67,781	3,486	223
Spain	534,513	29,594	8,964	78
Argentina	500,034	10,405	12,027	276
Chile	425,541	11,682	1,267	30
Iran	391,112	22,542	2,302	132
UK	352,560	41,586	2,460	32
France	335,524	30,764	6,544	38
Bangladesh	329,251	4,552	1,892	36
Saudi Arabia	322,237	4,137	781	30
Pakistan	299,233	6,350	330	5
Turkey	283,270	6,782	1,761	52
Italy	280,153	35,563	1,370	10
Iraq	269,578	7,657	4,894	68



National Data

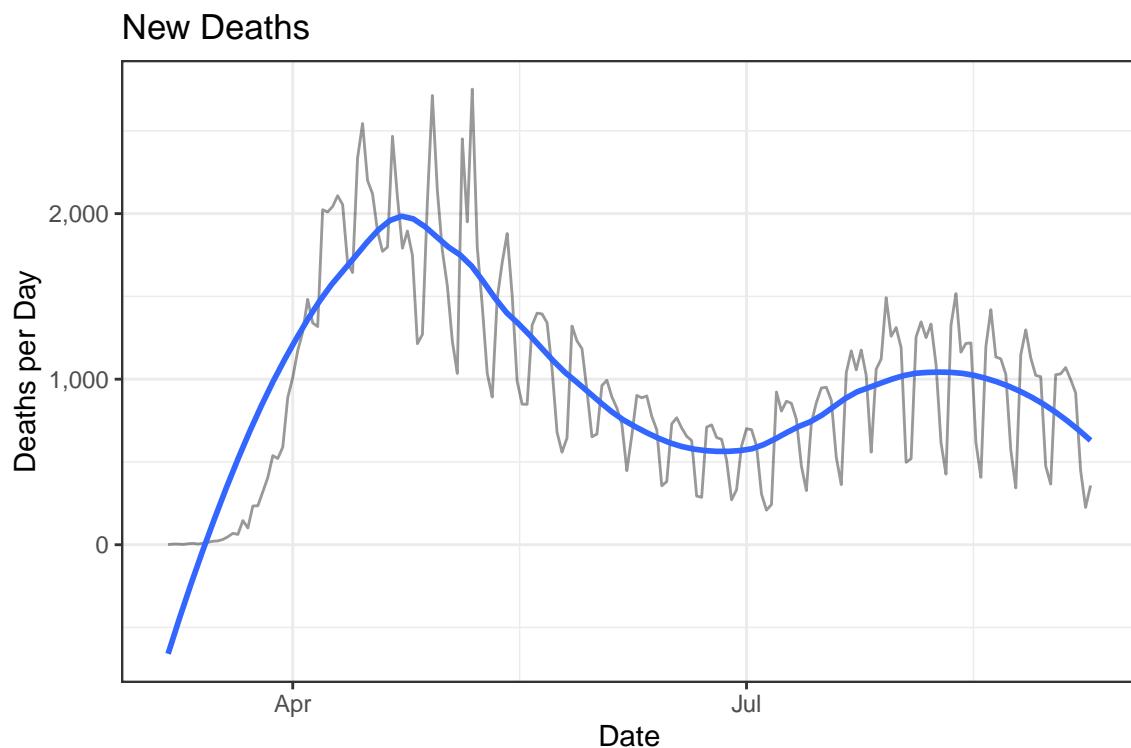
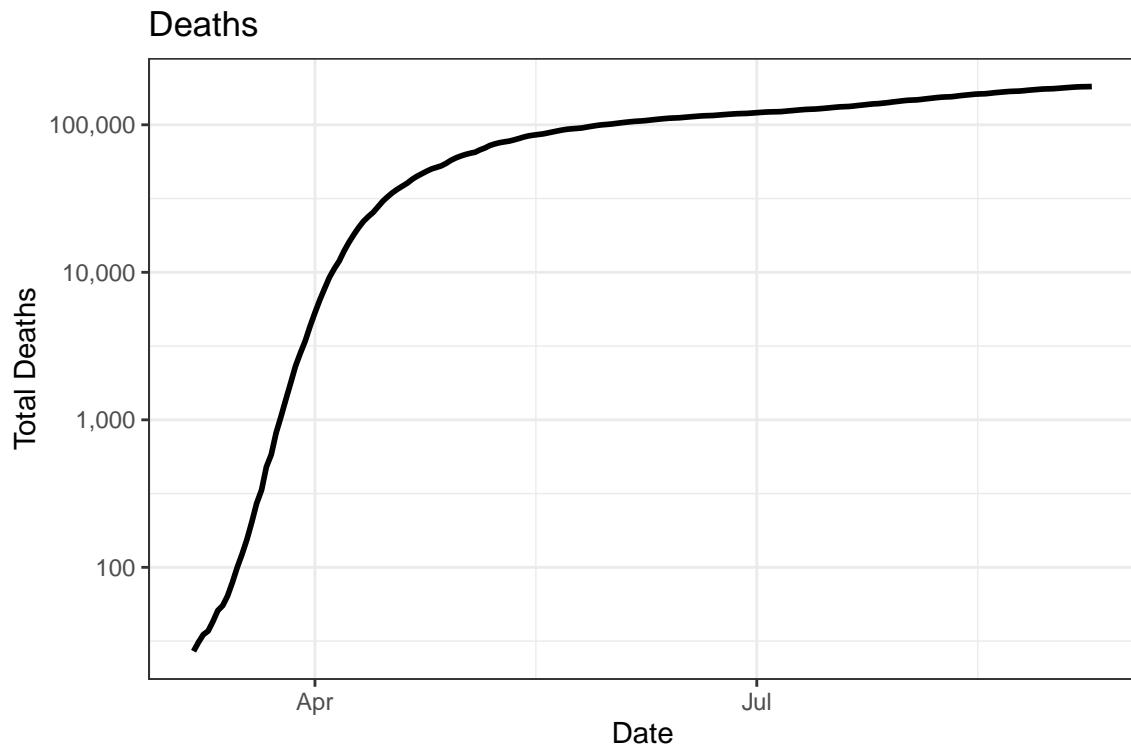
There have been 6,298,422 confirmed Covid-19 cases and 181,690 deaths in the United States.

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

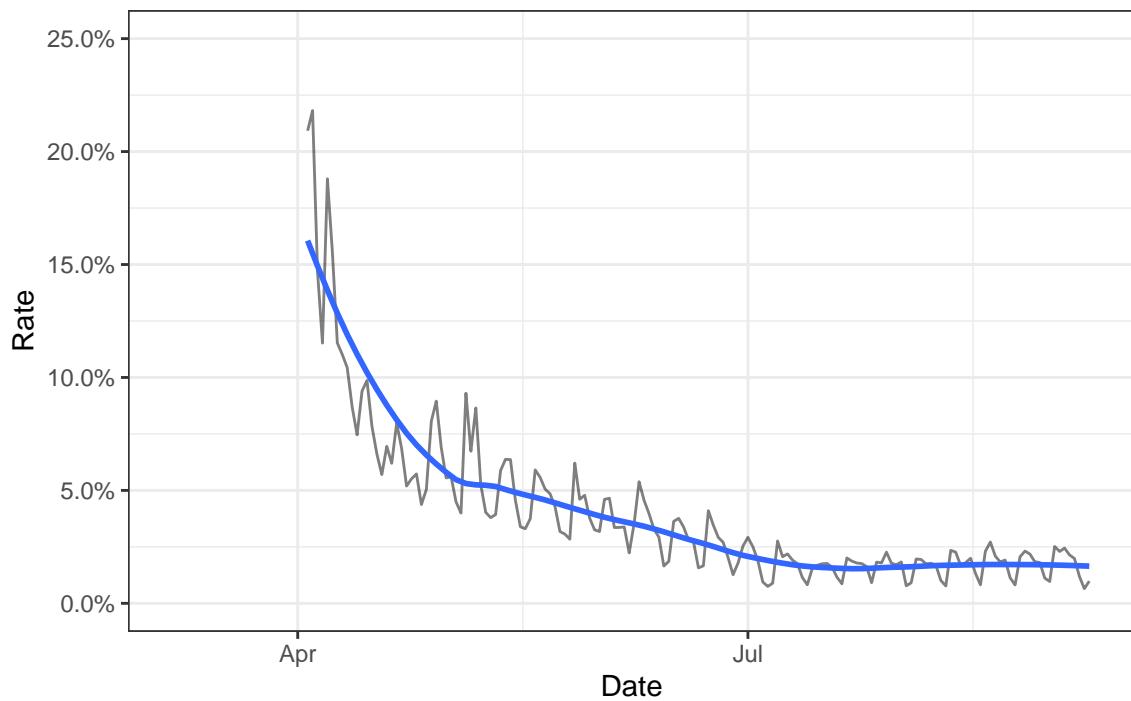
Date	Cases	Deaths	New Cases	New Deaths
2020-09-08	6,298,422	181,690	22,219	358
2020-09-07	6,276,203	181,332	28,681	225
2020-09-06	6,247,522	181,107	33,115	449
2020-09-05	6,214,407	180,658	44,910	918
2020-09-04	6,169,497	179,740	51,593	998
2020-09-03	6,117,904	178,742	44,717	1,070
2020-09-02	6,073,187	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

Deaths

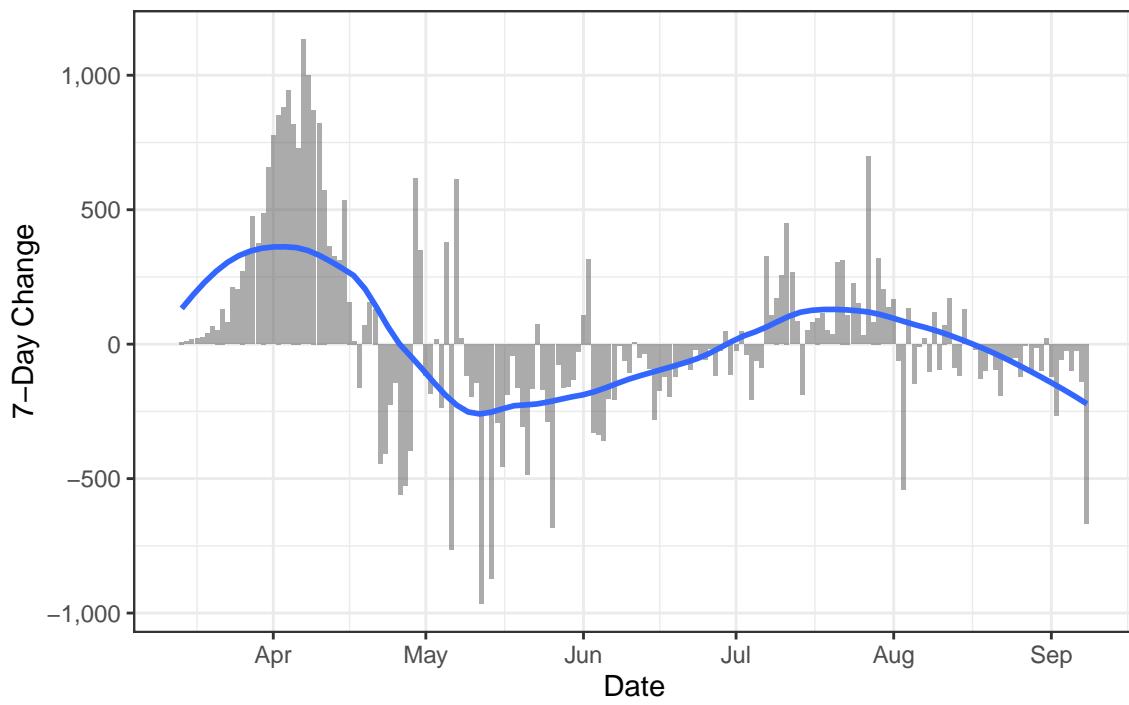
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

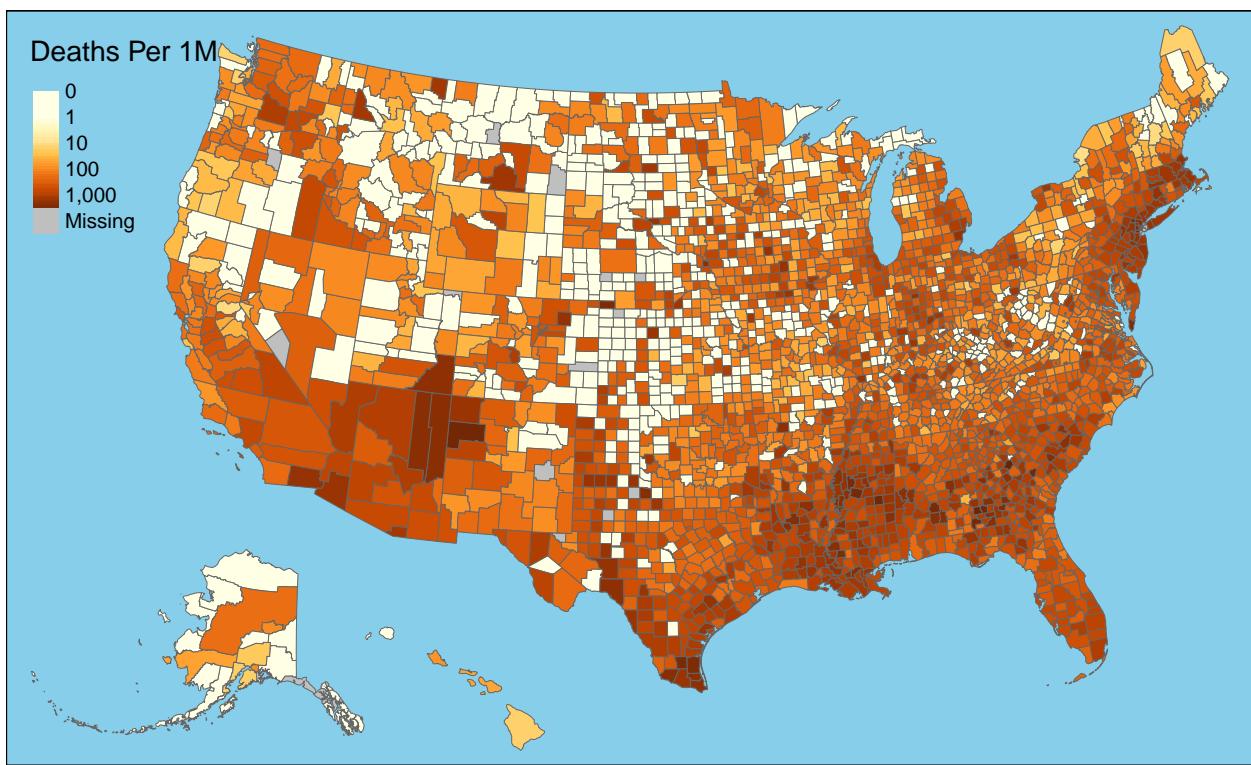


Daily Case Mortality Rate



One-Week Change in Daily Deaths

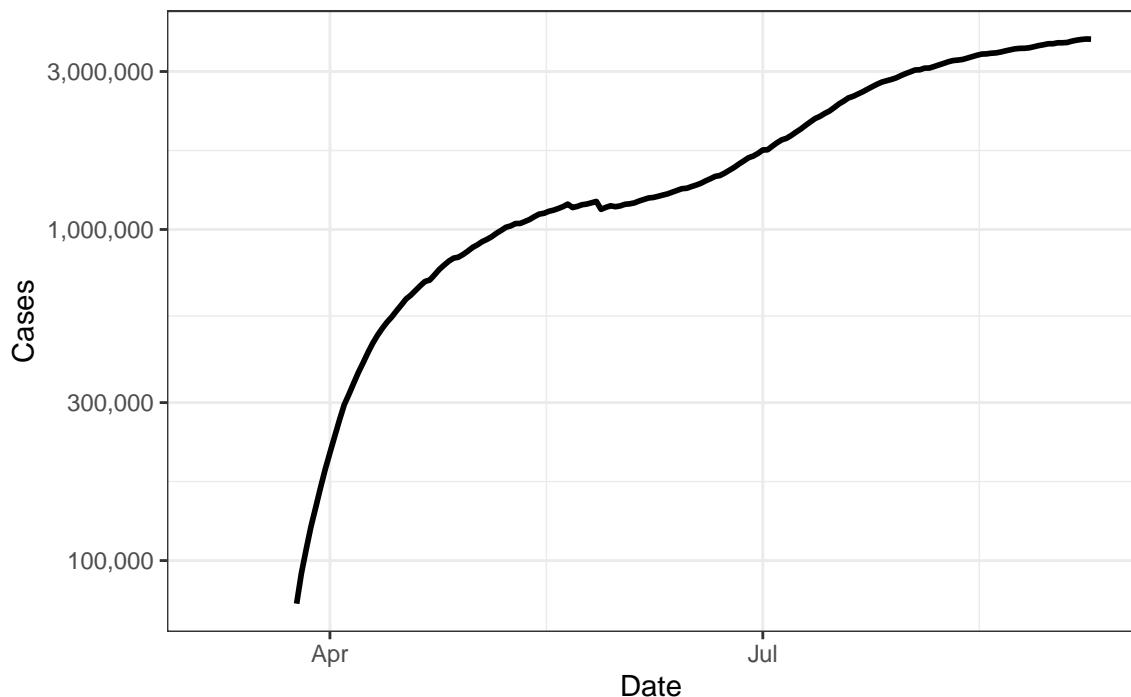




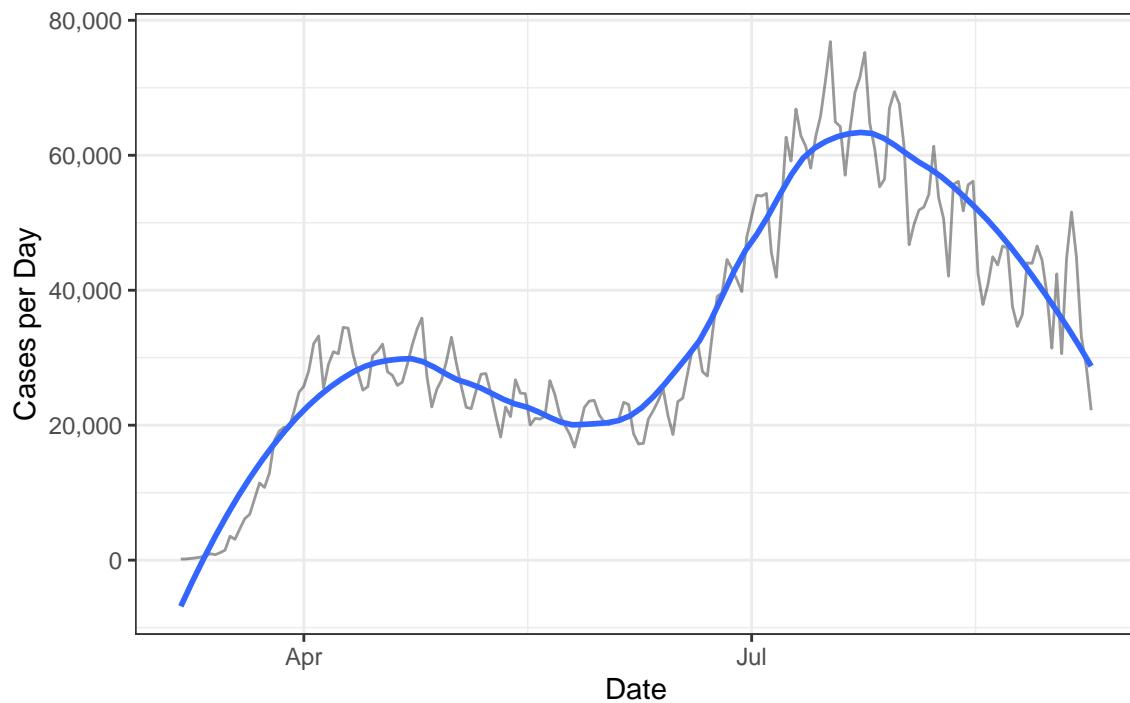
Cases

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

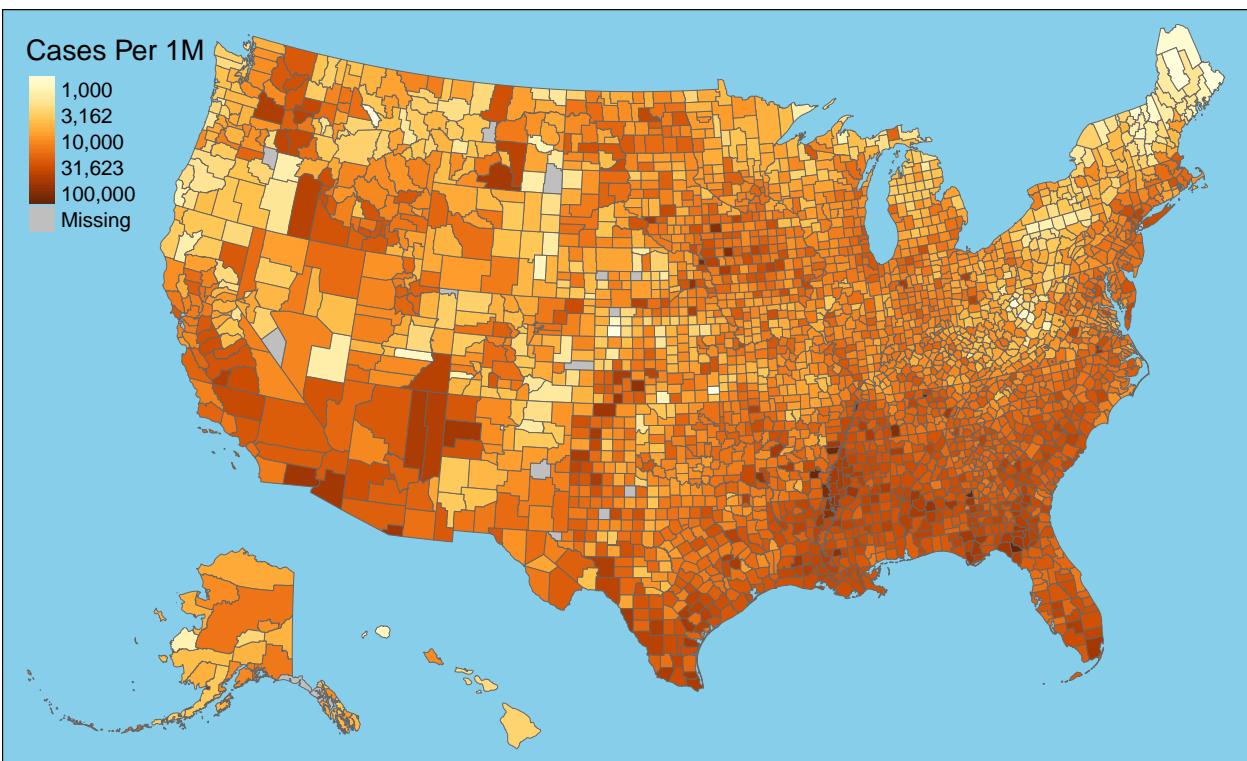
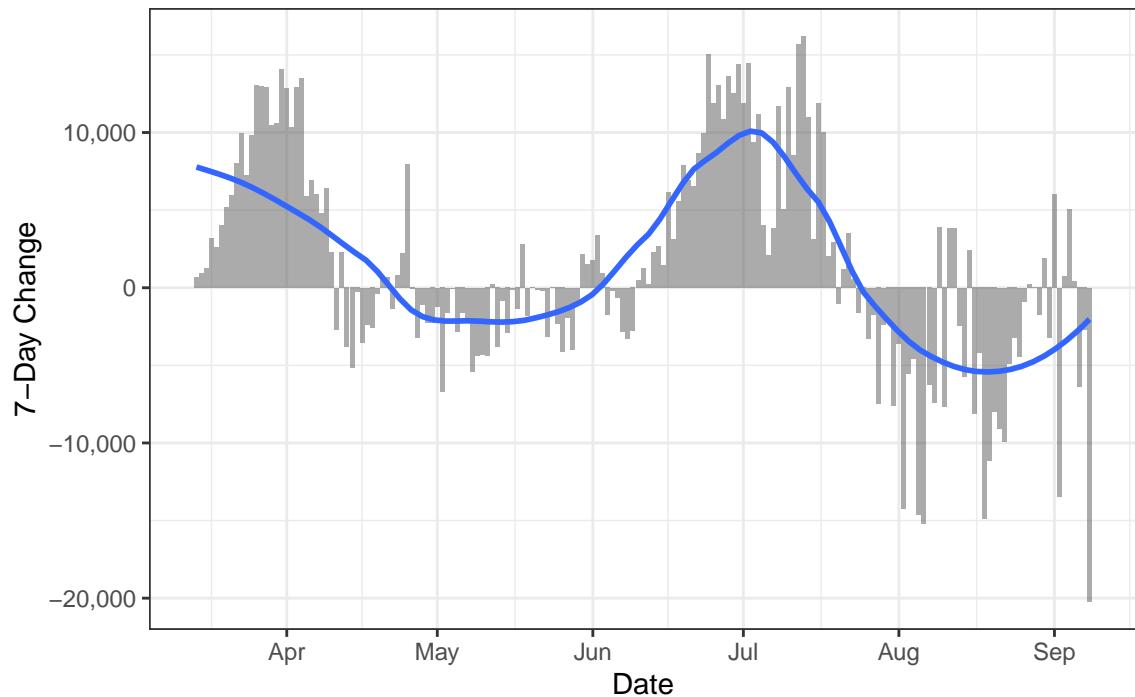
Active Cases



New Cases

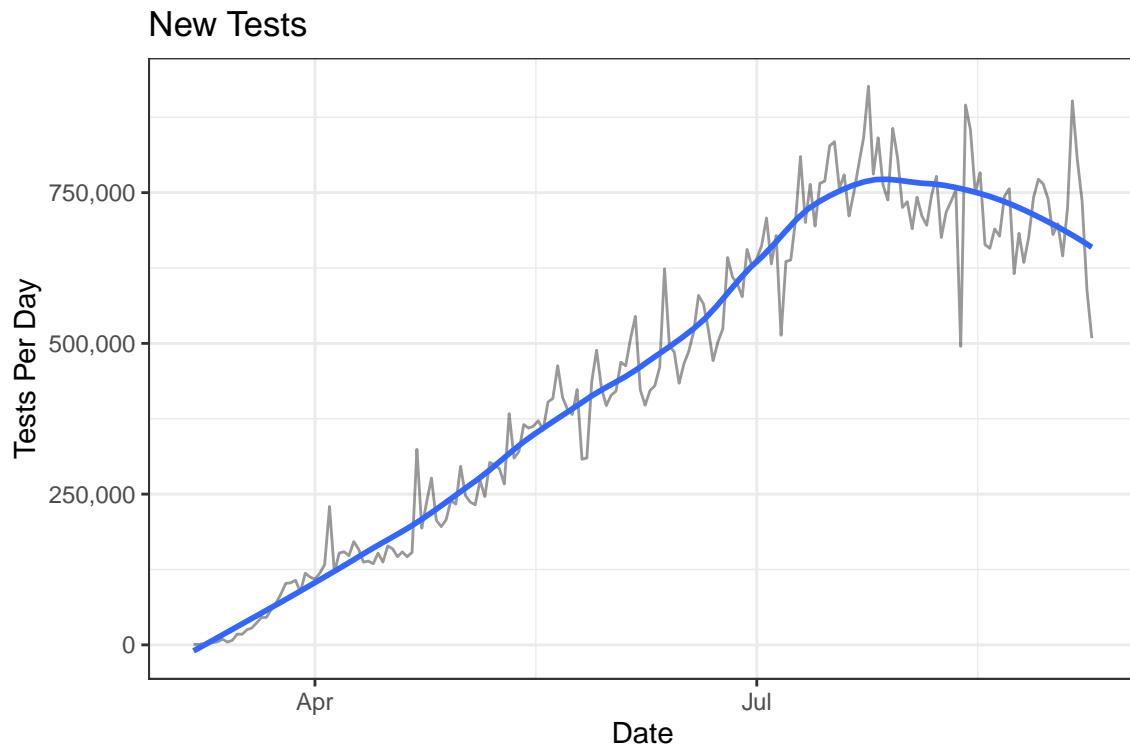
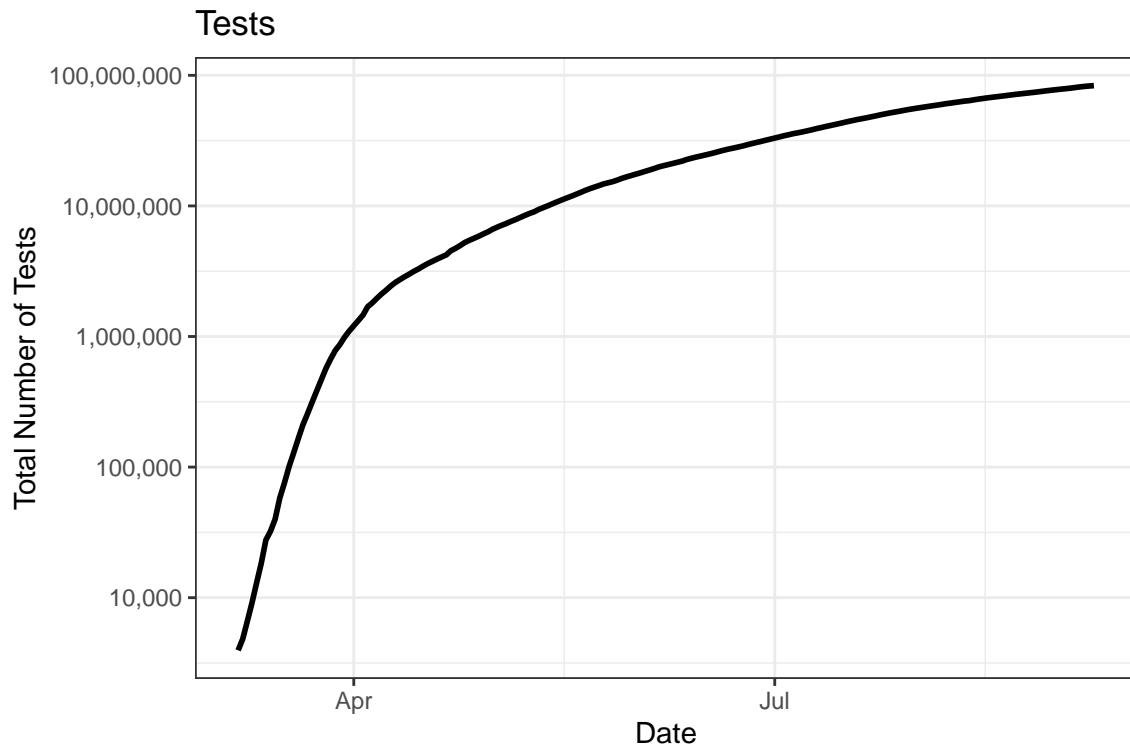


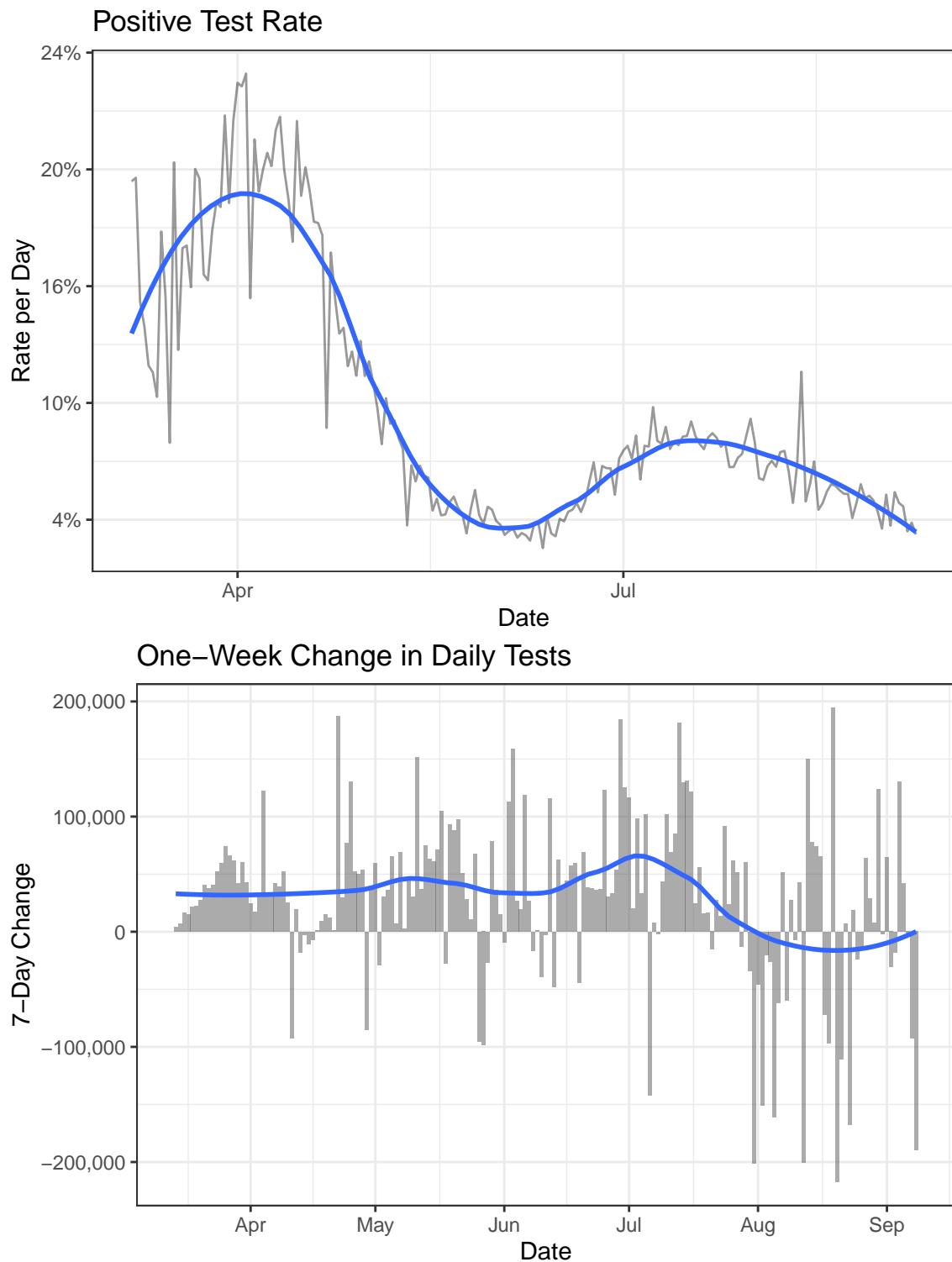
One-Week Change in Daily Cases



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.



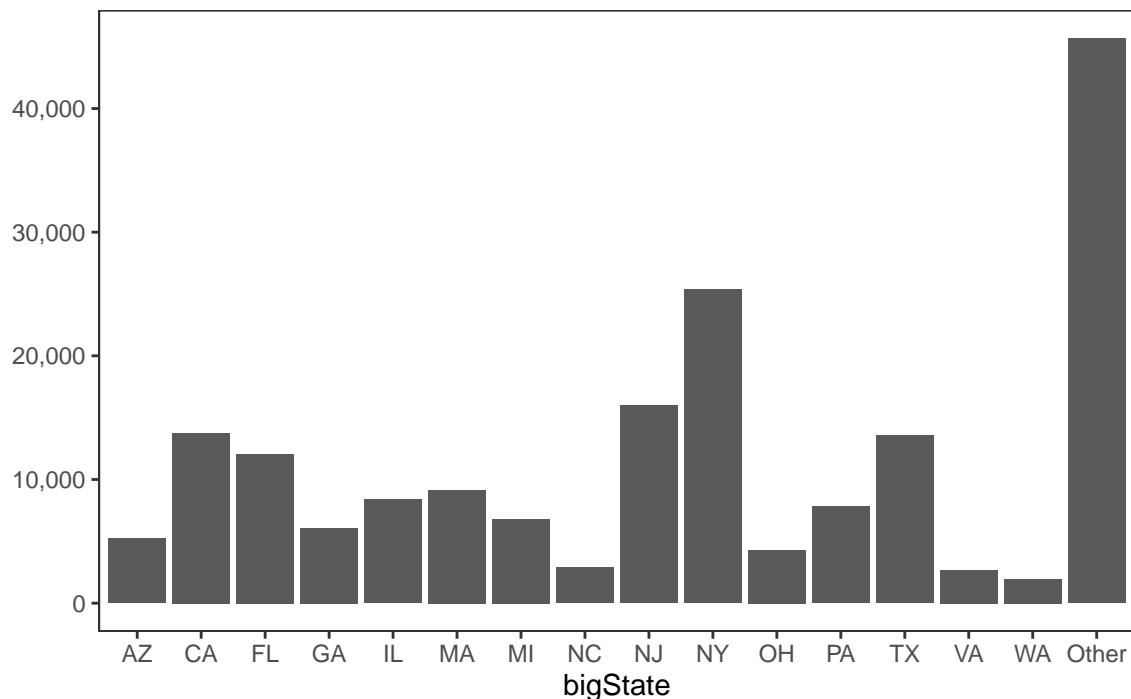


State Data

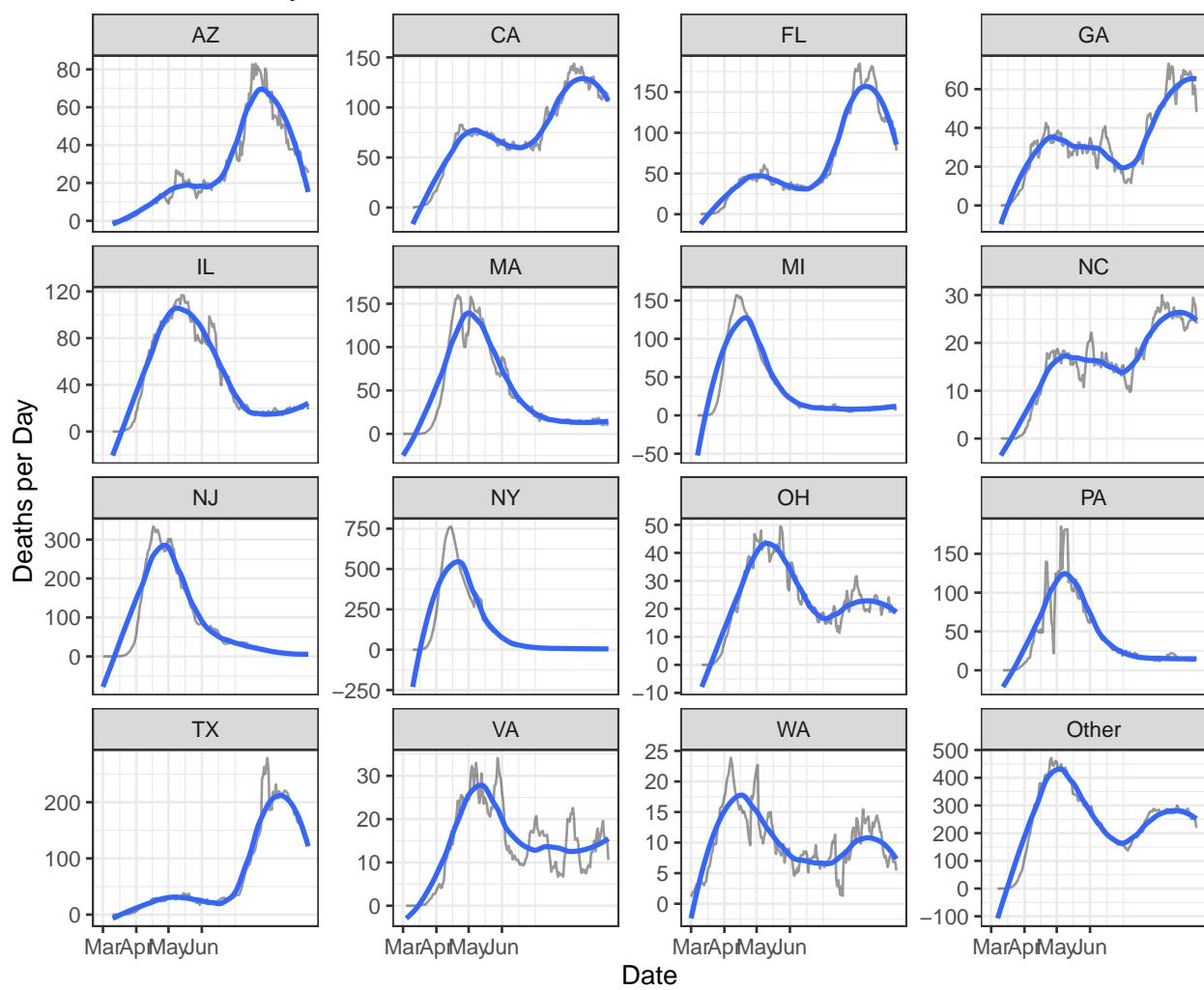
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

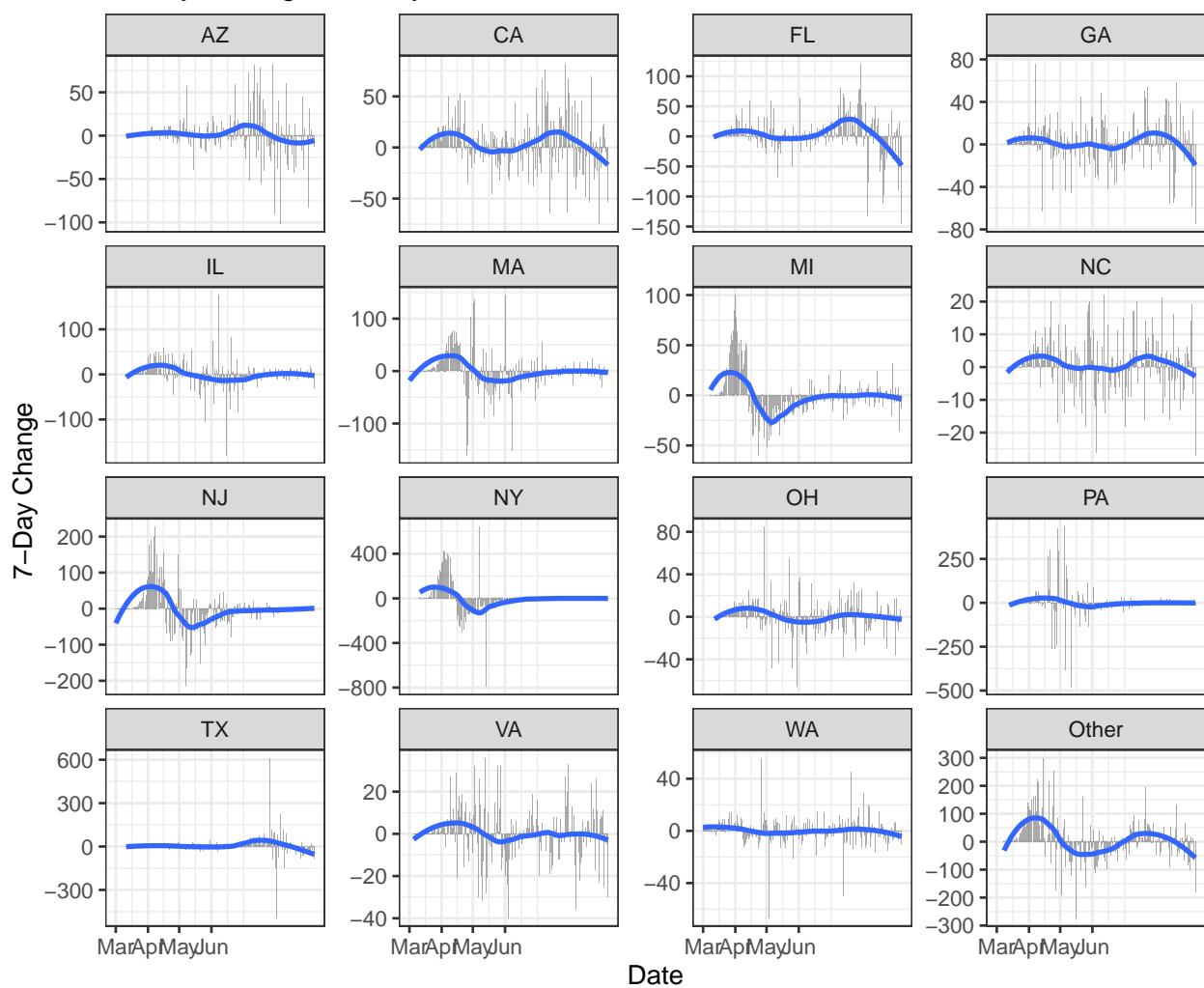
Deaths by State

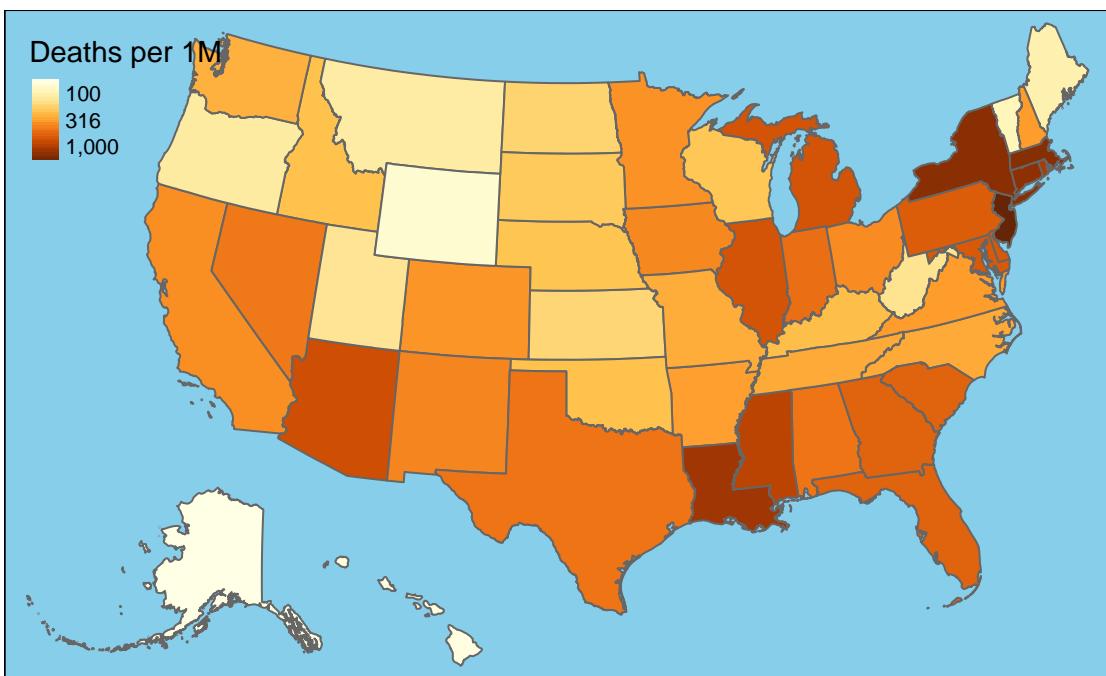
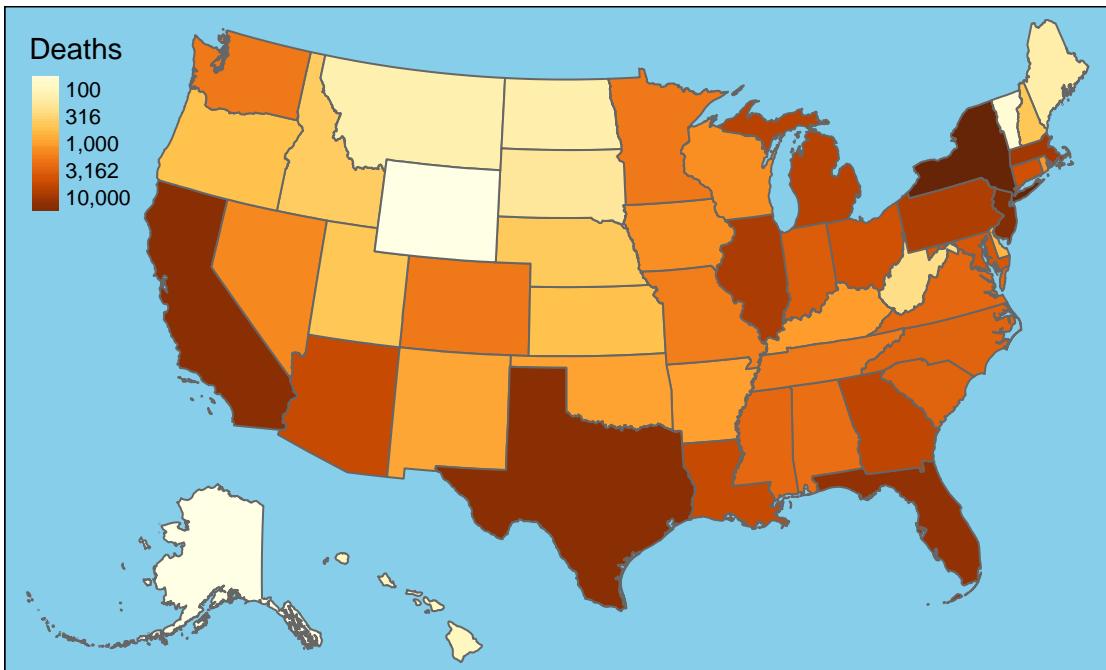


New Deaths by State



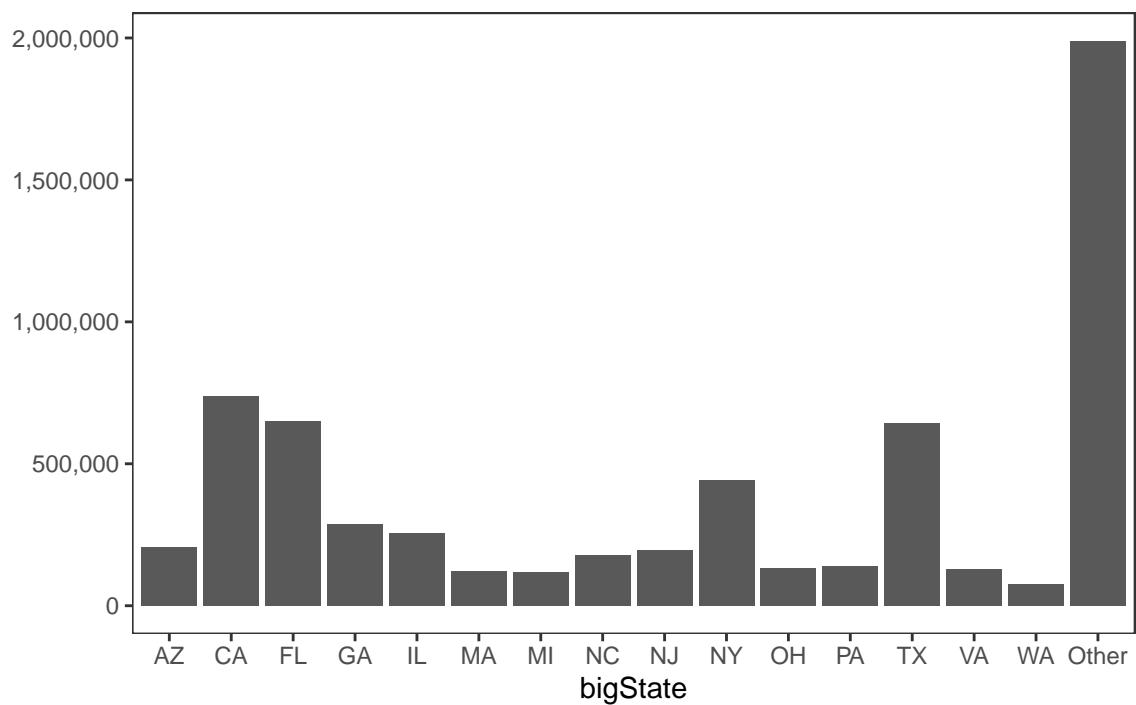
7-Day Change in Daily Deaths



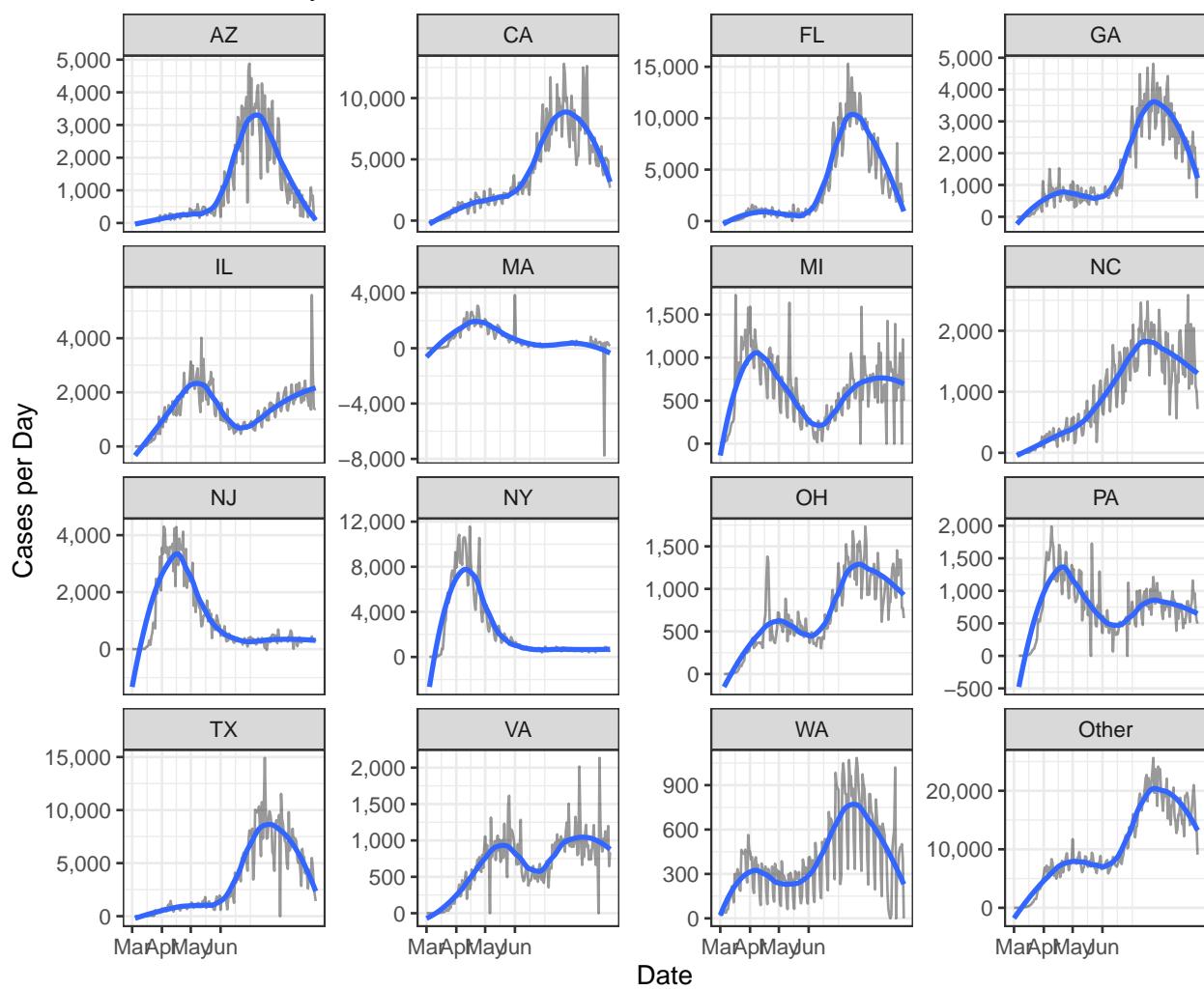


Cases

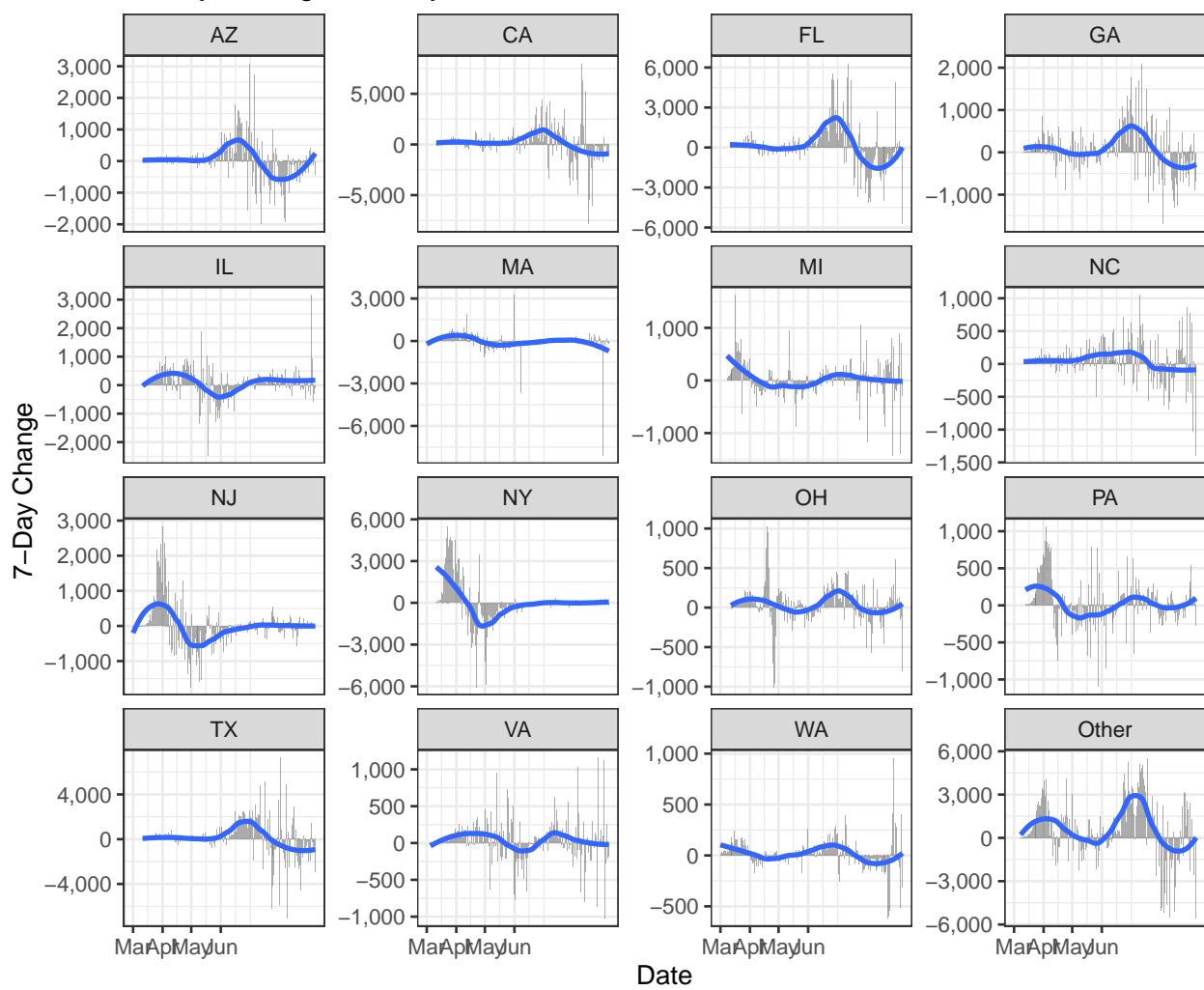
Cases by State

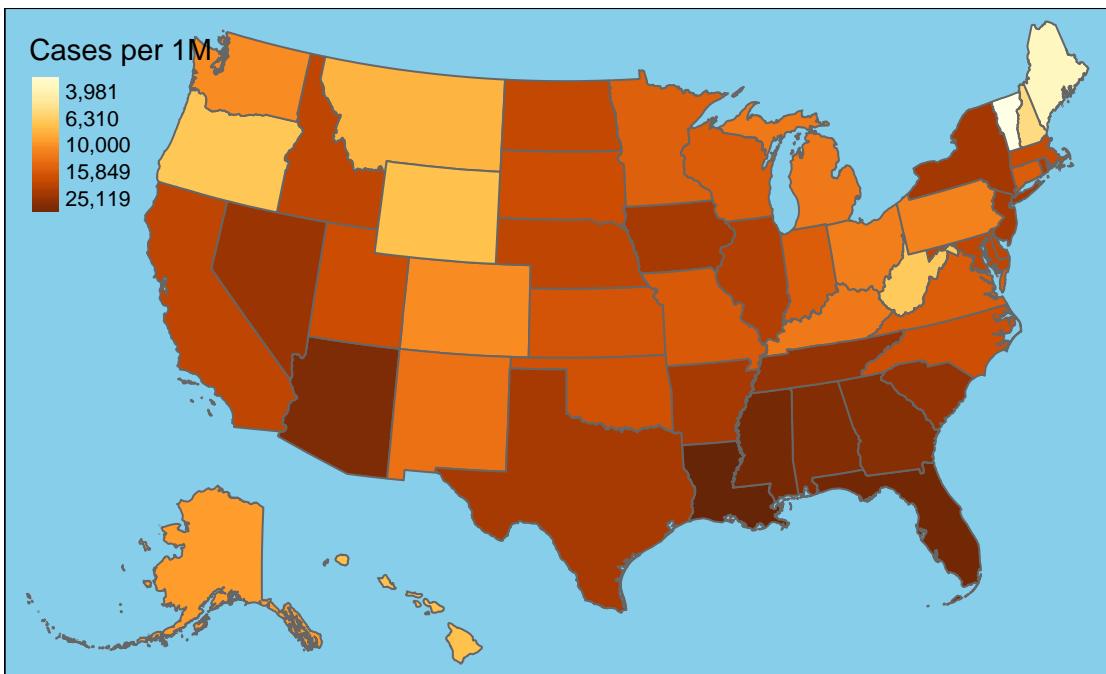
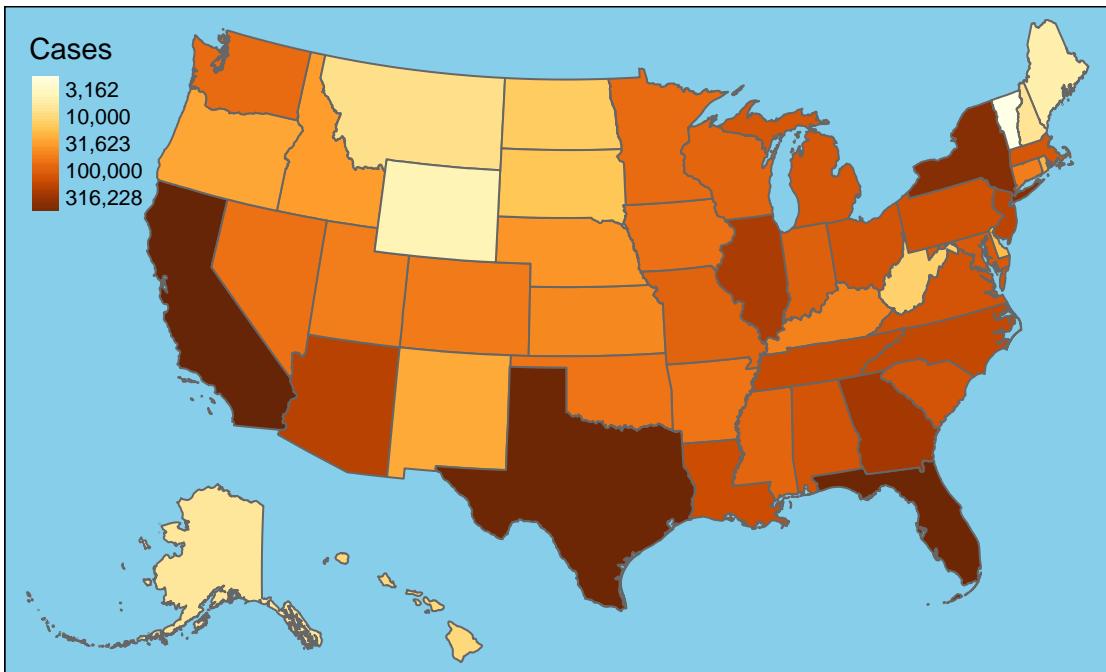


New Cases by State



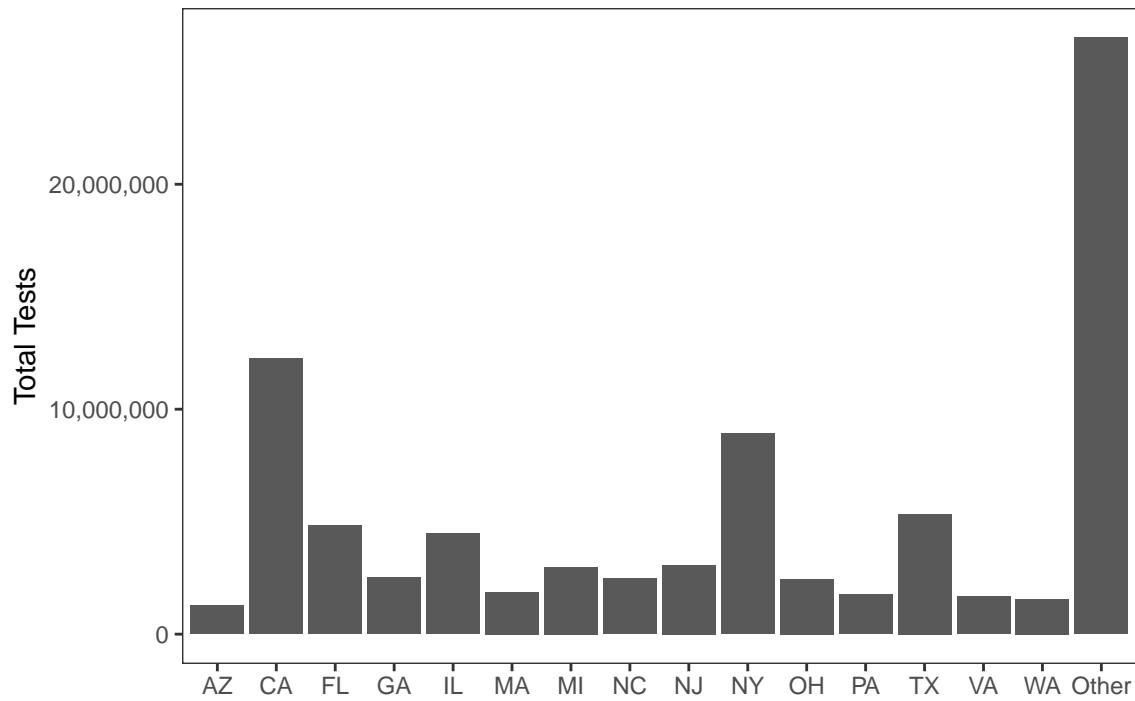
7-Day Change in Daily Cases



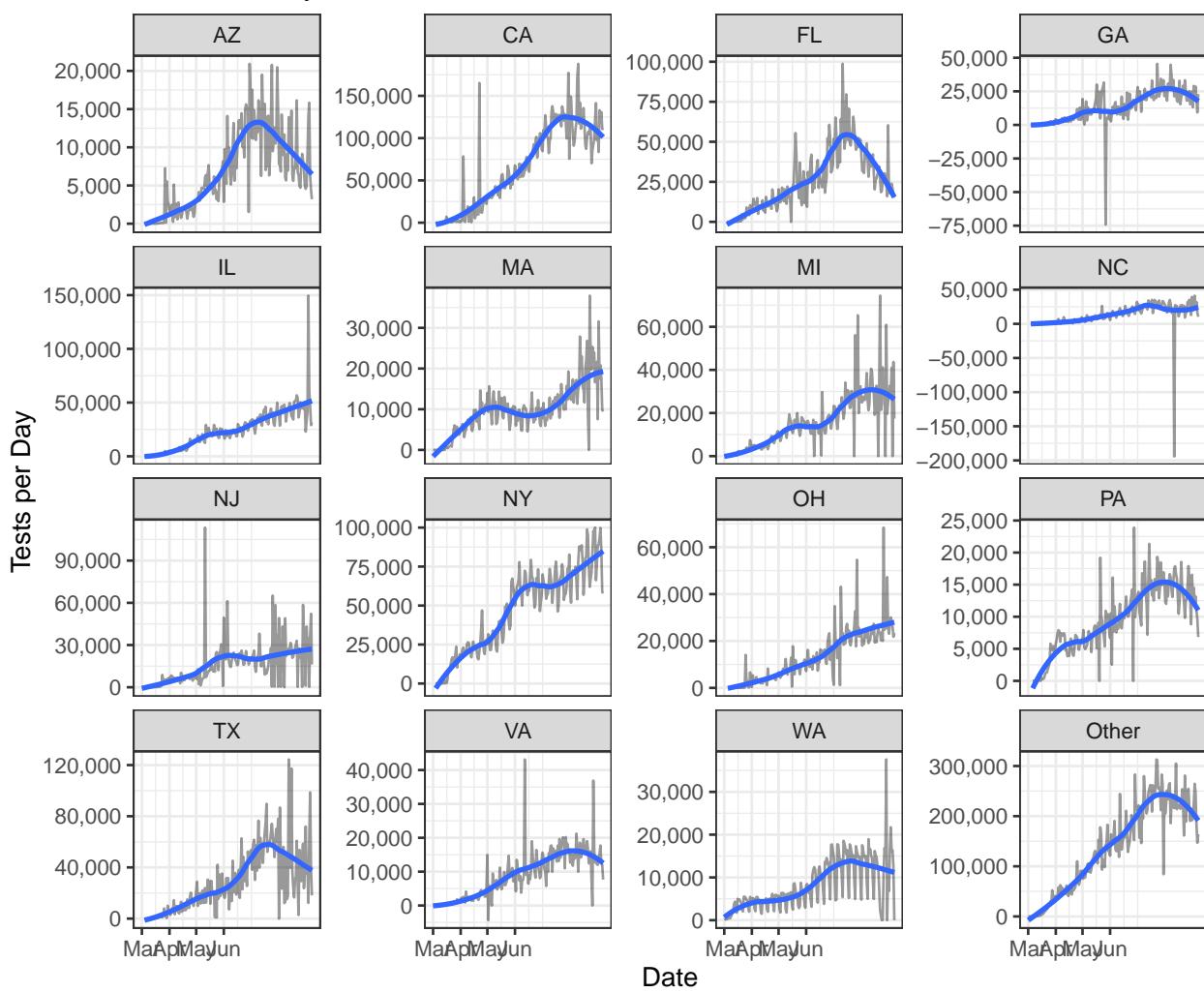


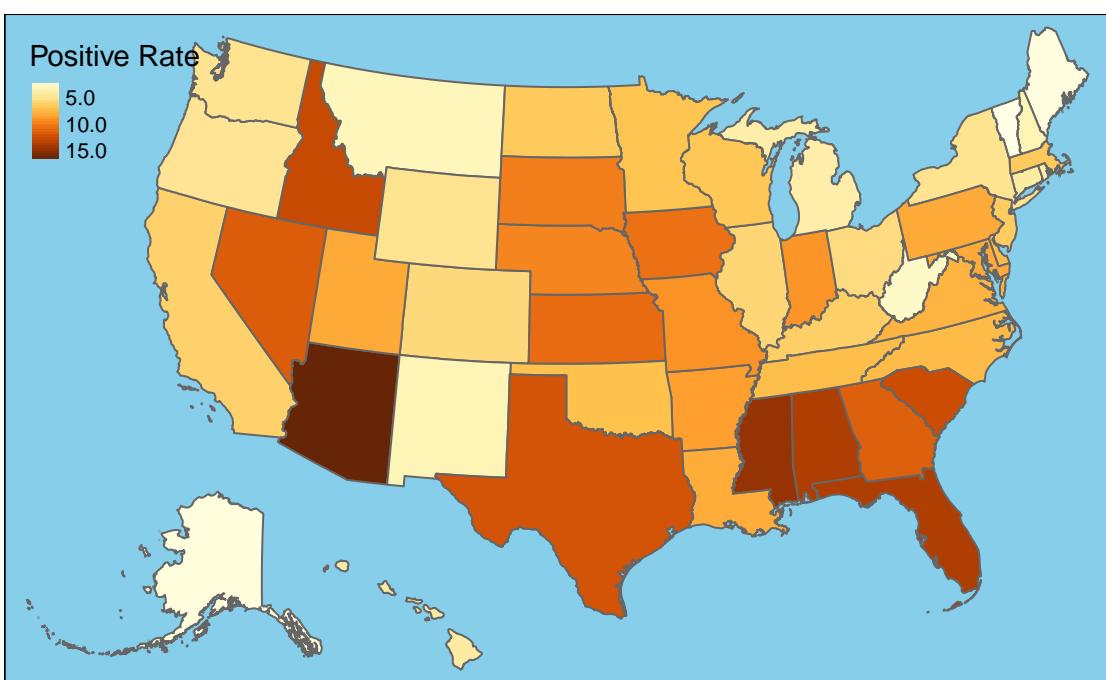
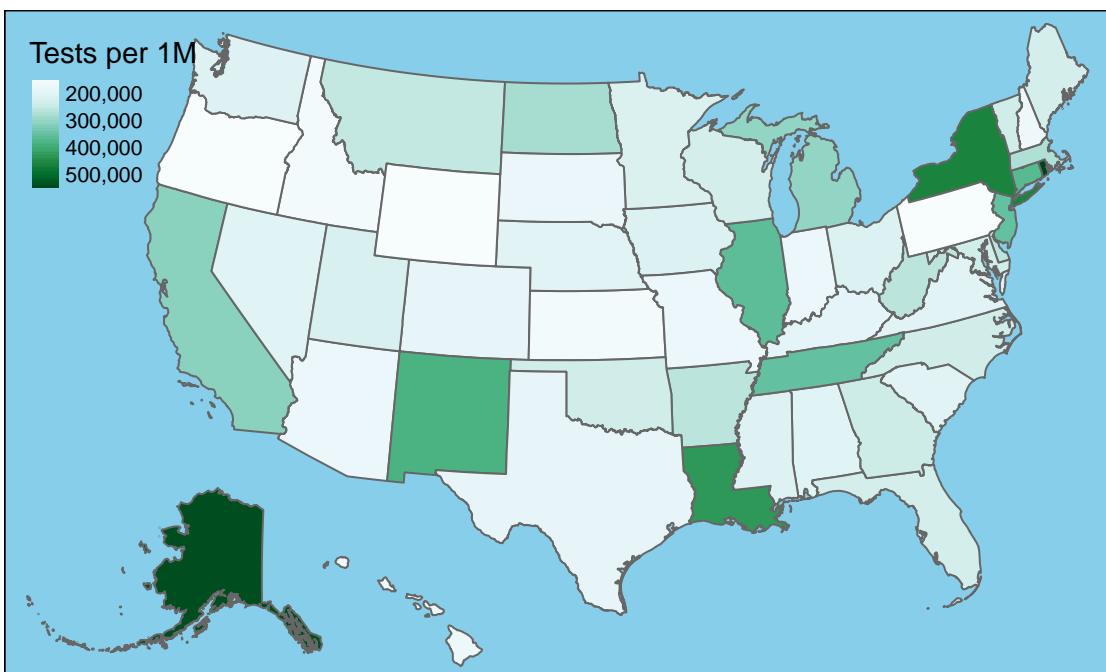
Testing

Tests by State



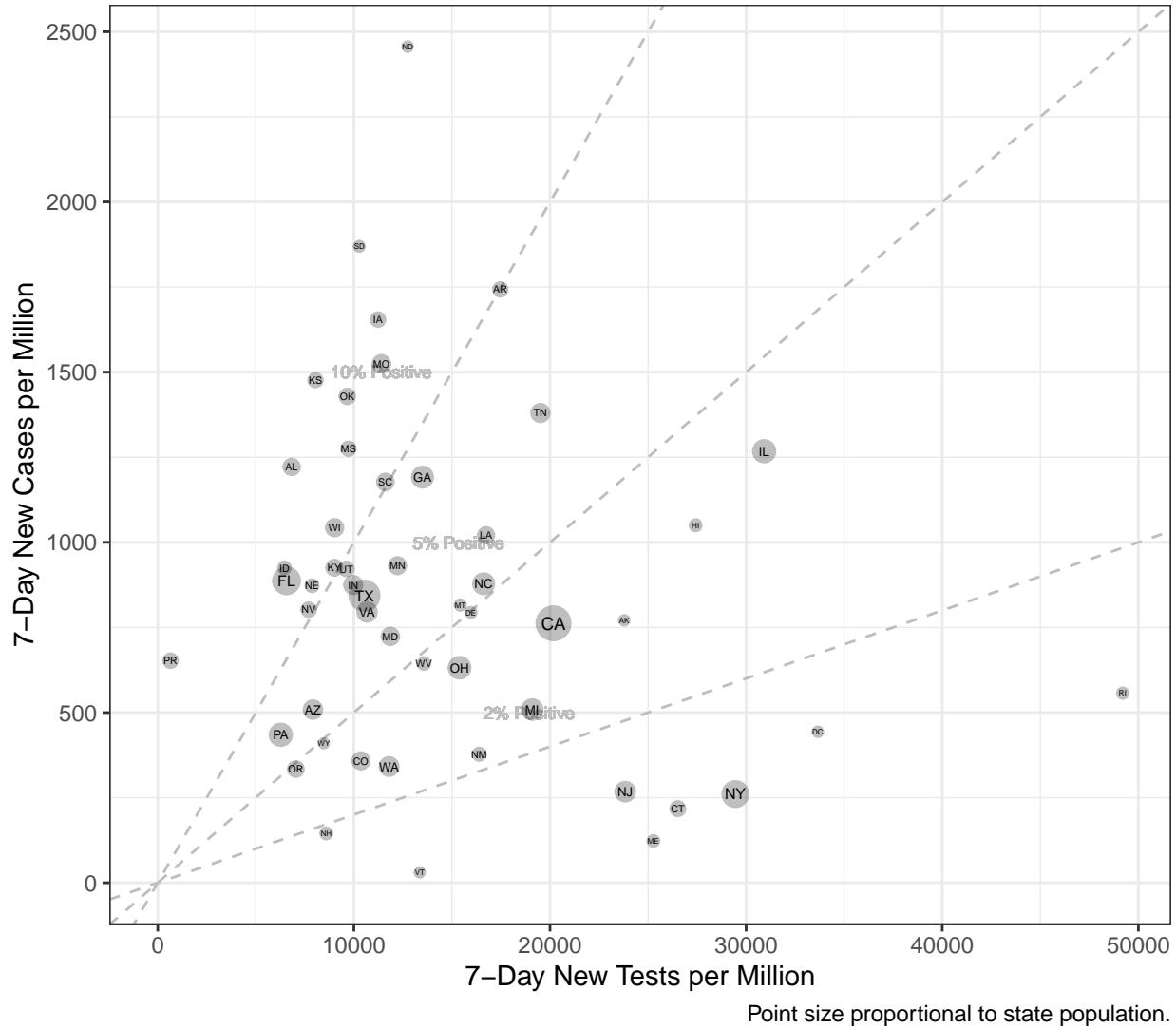
New Tests by State





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.

Tests vs. Cases by State



Point size proportional to state population.

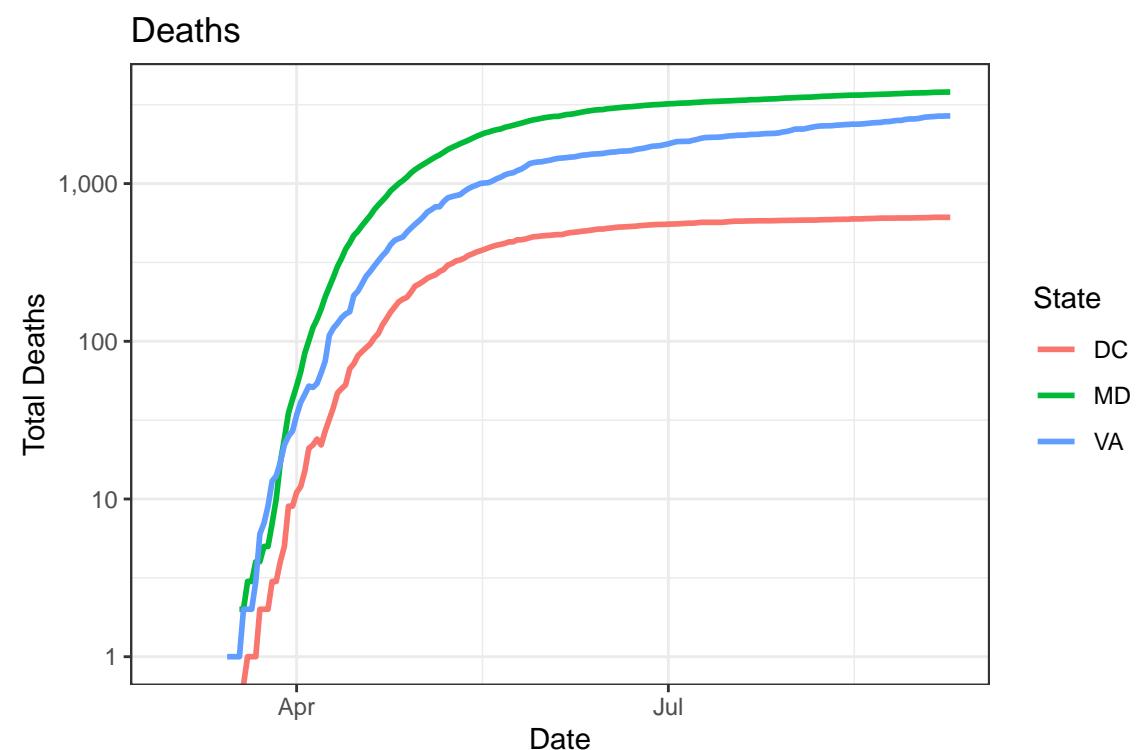
Local Data

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

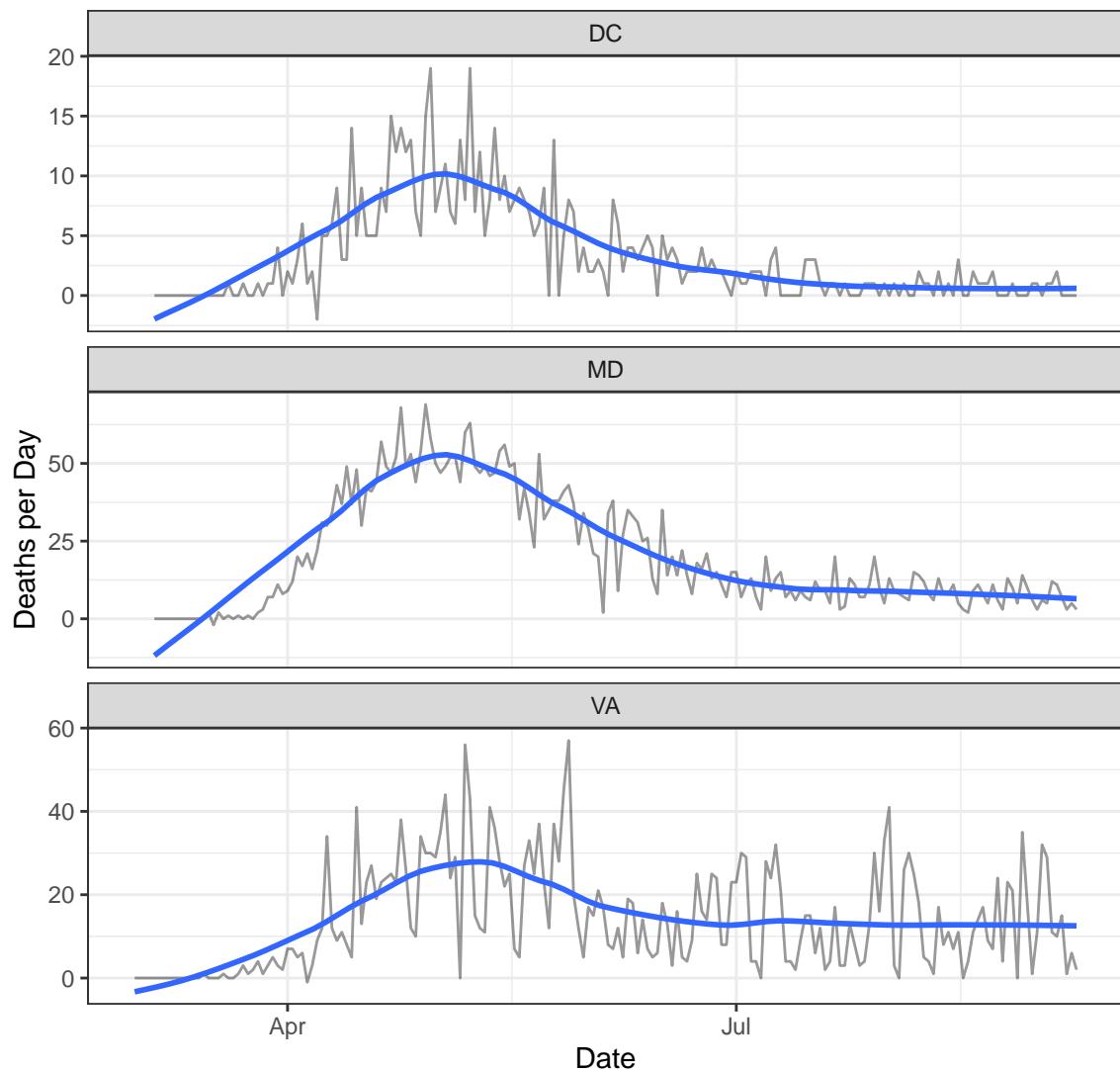
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,362	611	47	0
MD	113,239	3,807	356	3
VA	128,407	2,686	836	2

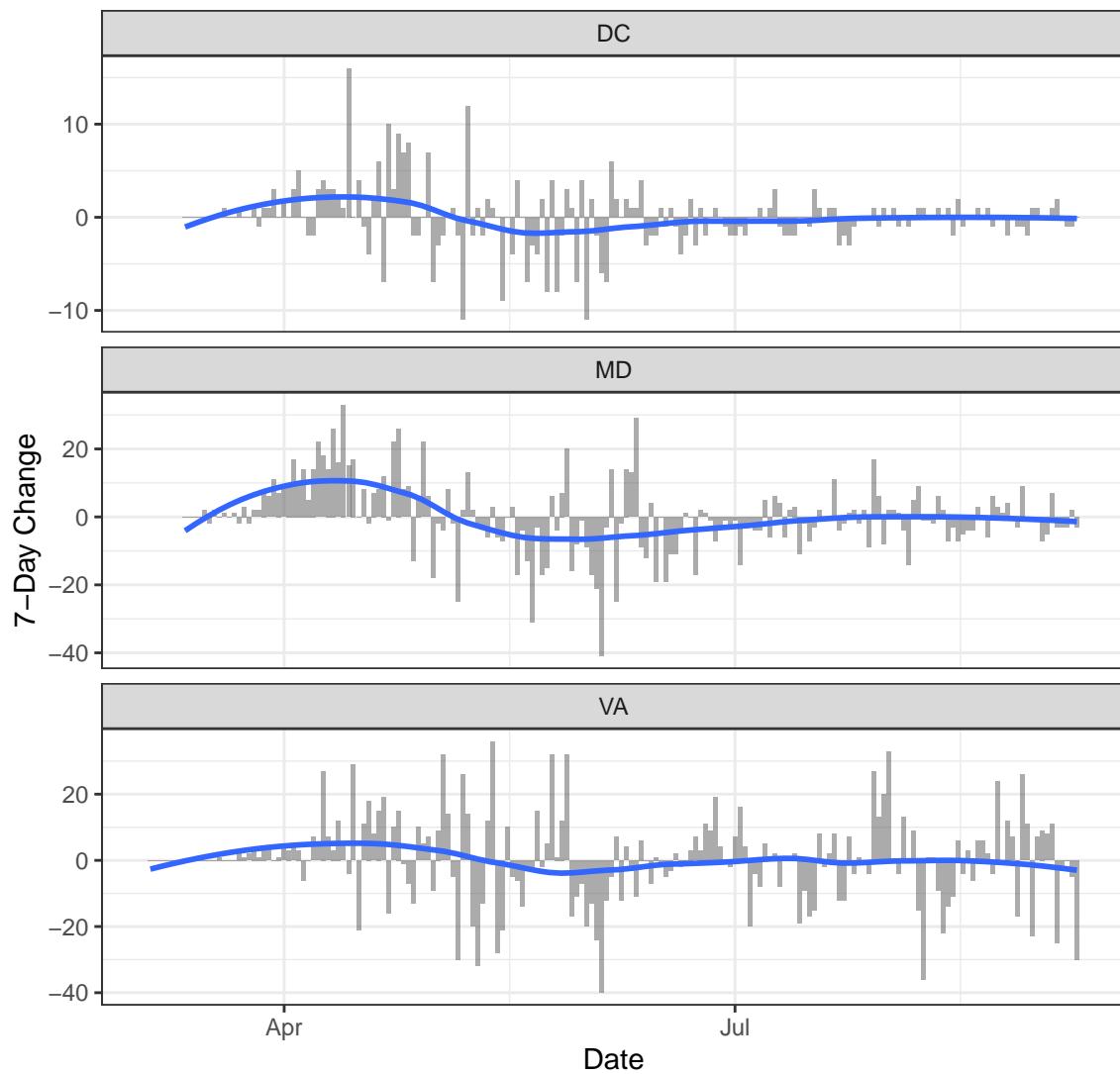
Deaths

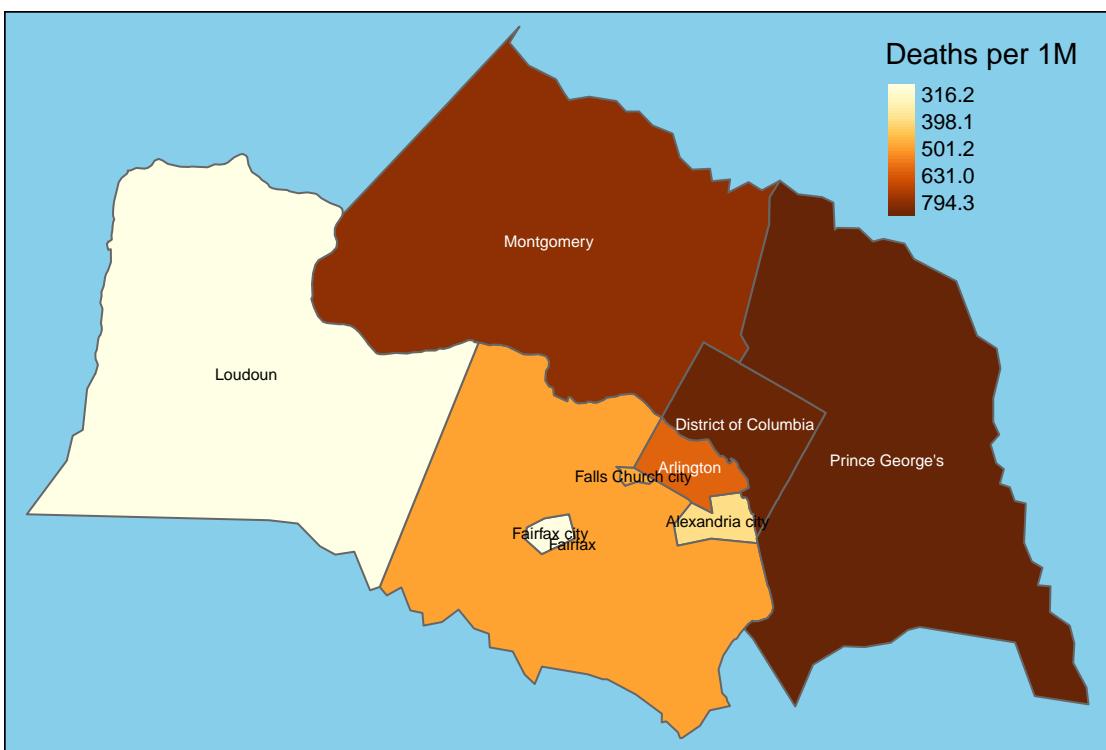
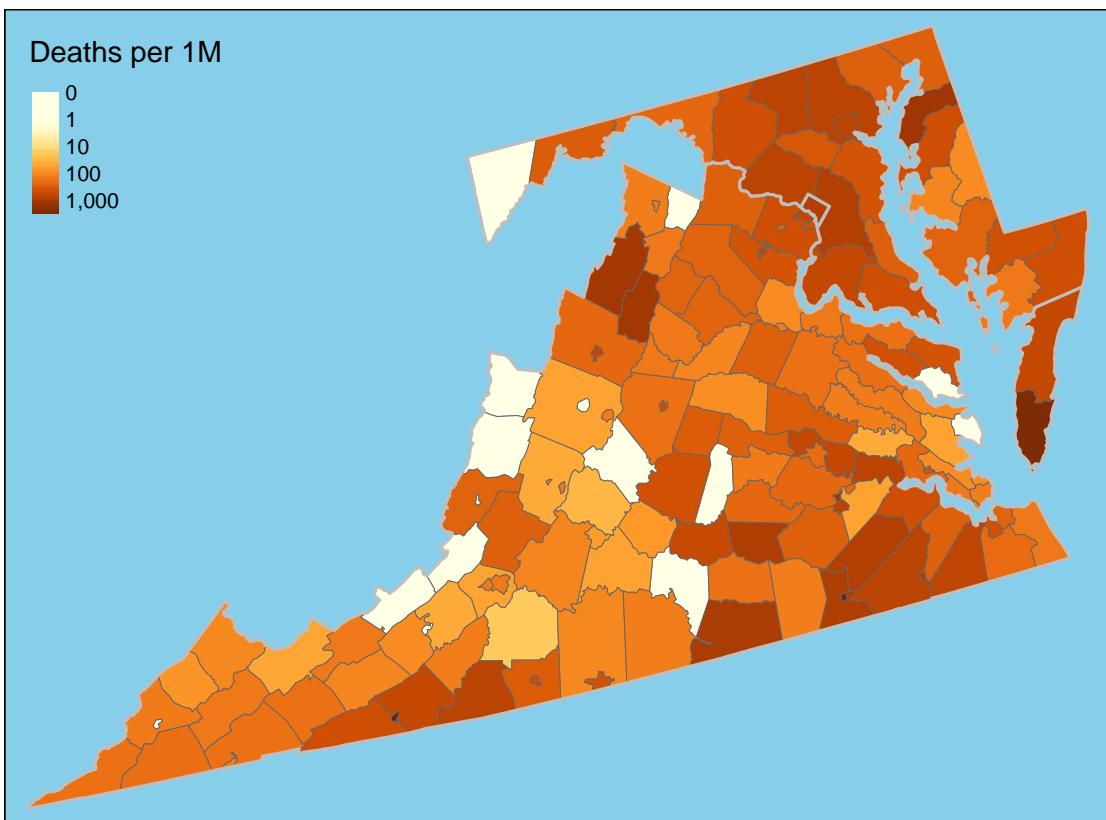


New Deaths

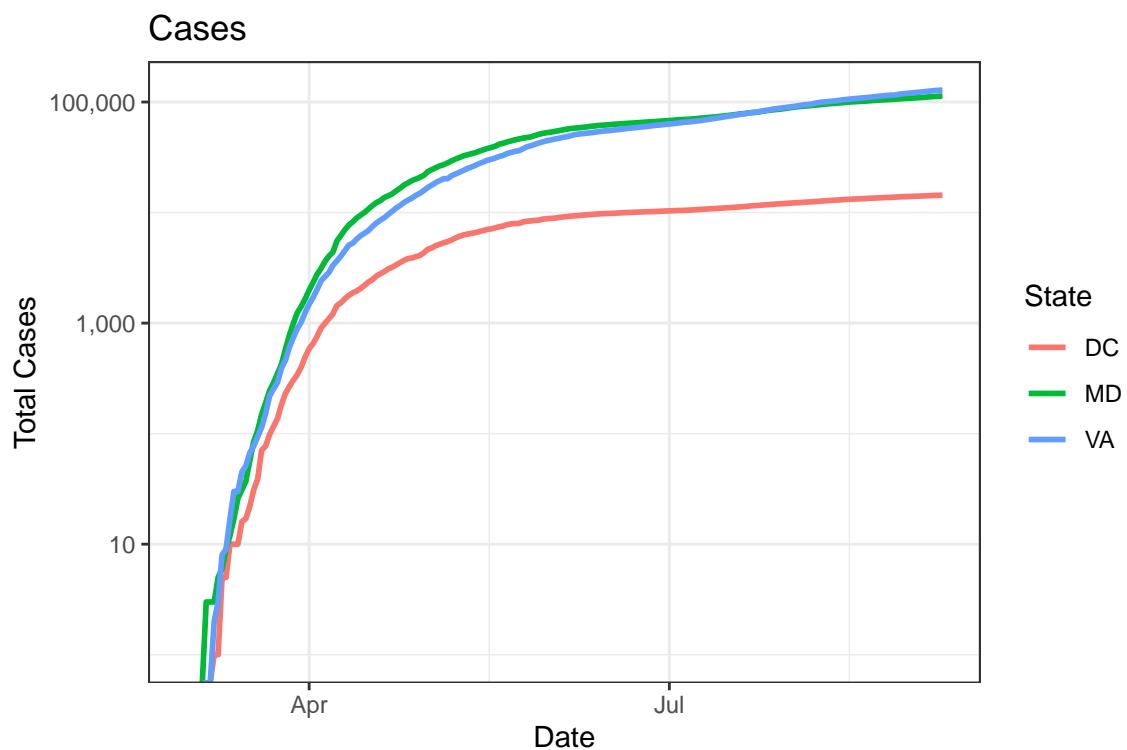


One-Week Change in Daily Deaths

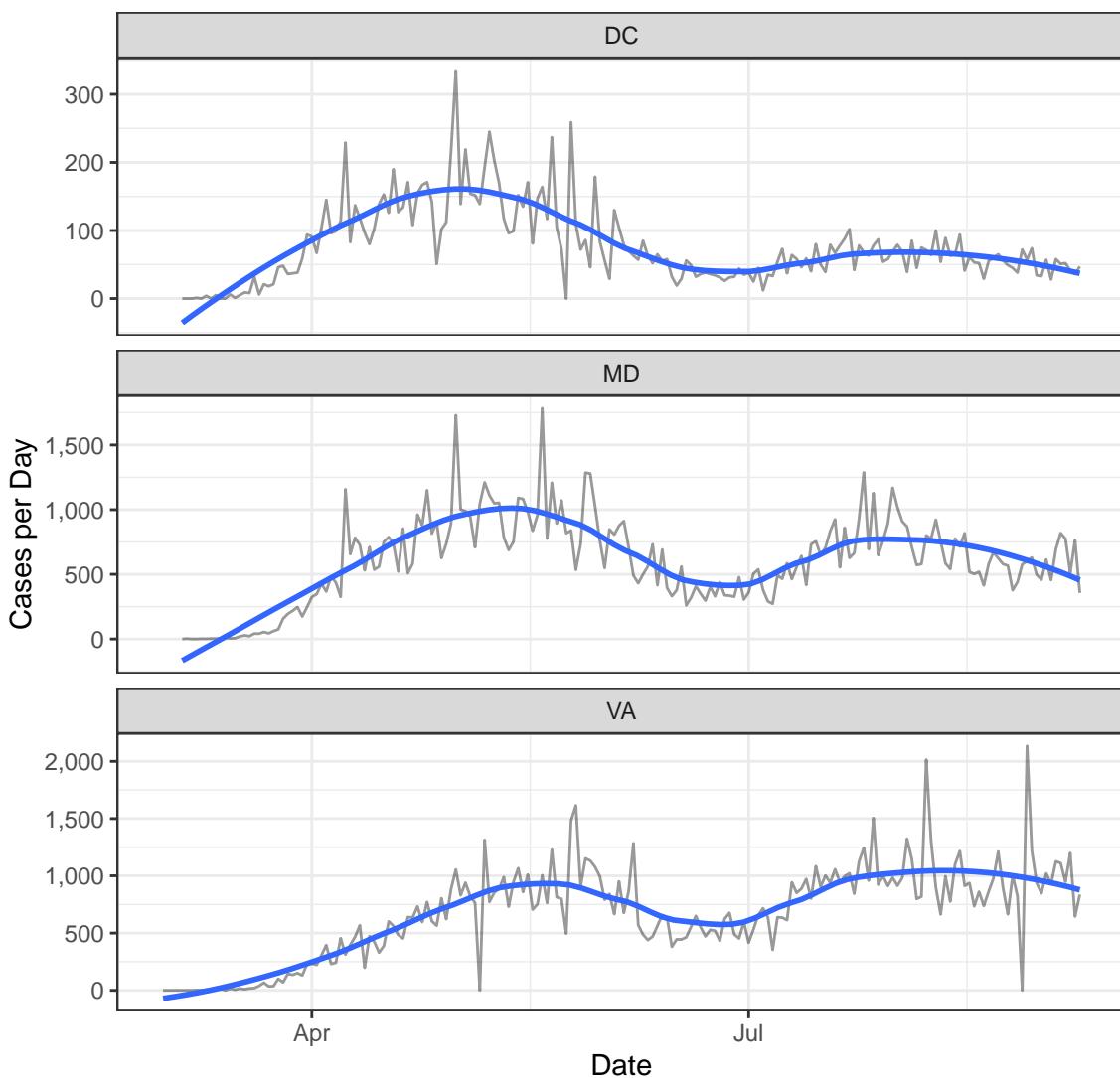




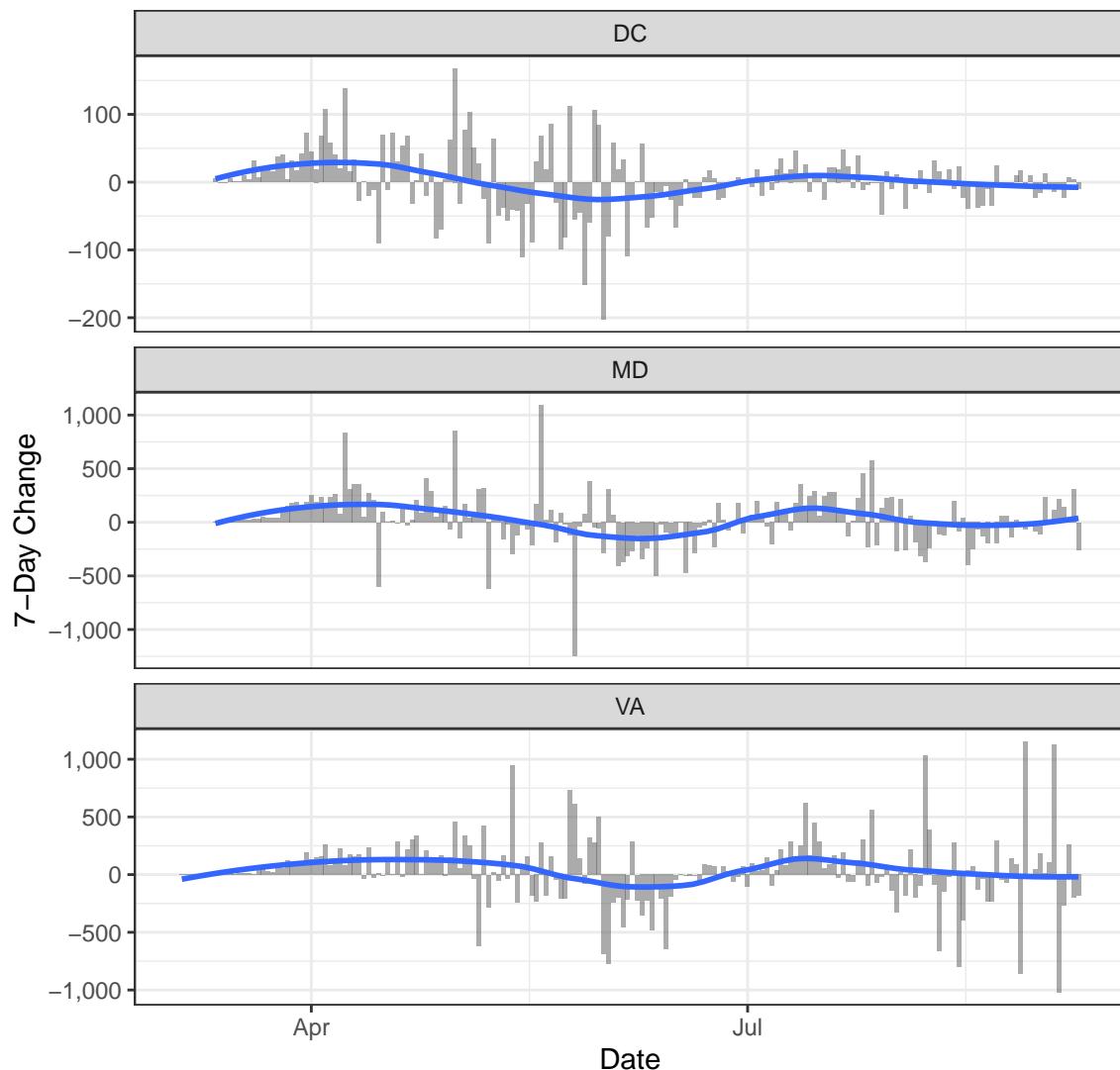
Cases

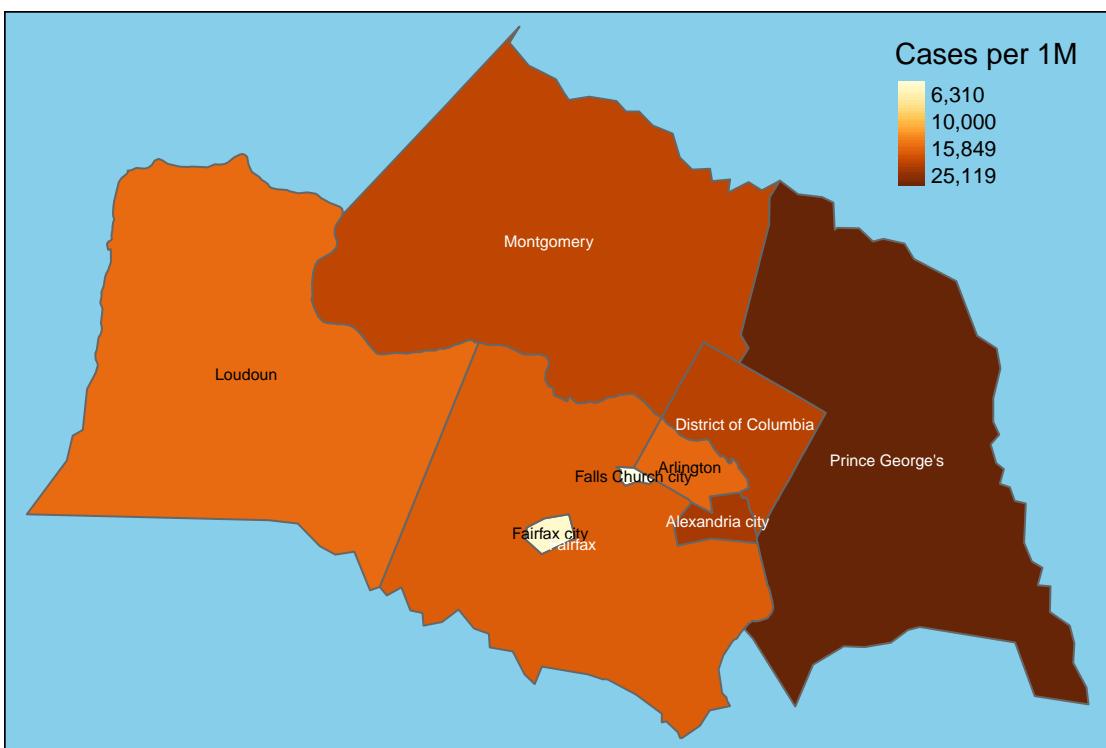
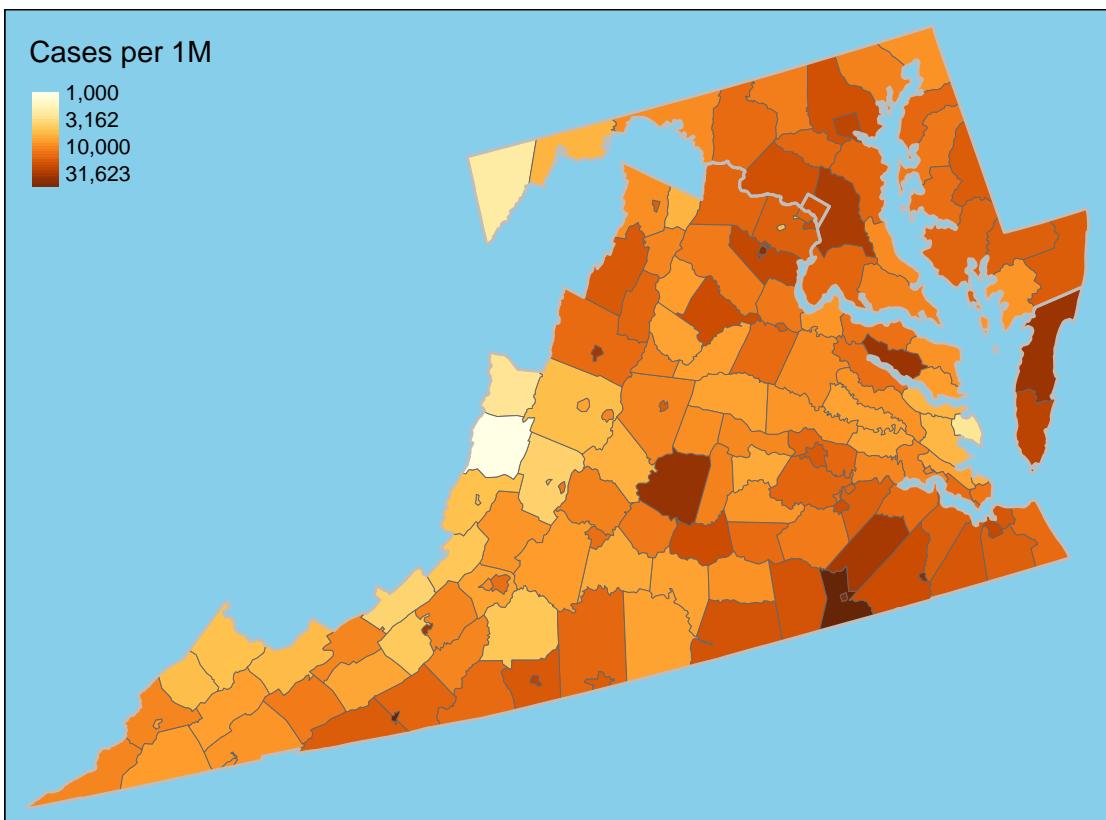


New Cases

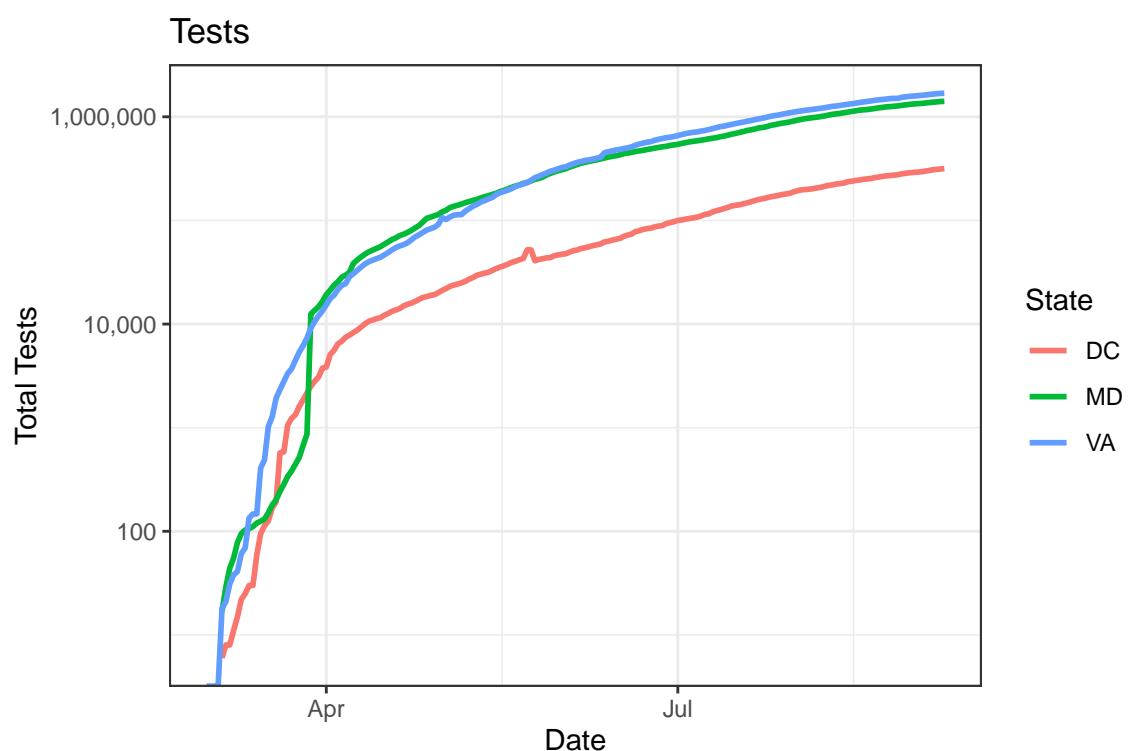


One-Week Change in Daily Cases

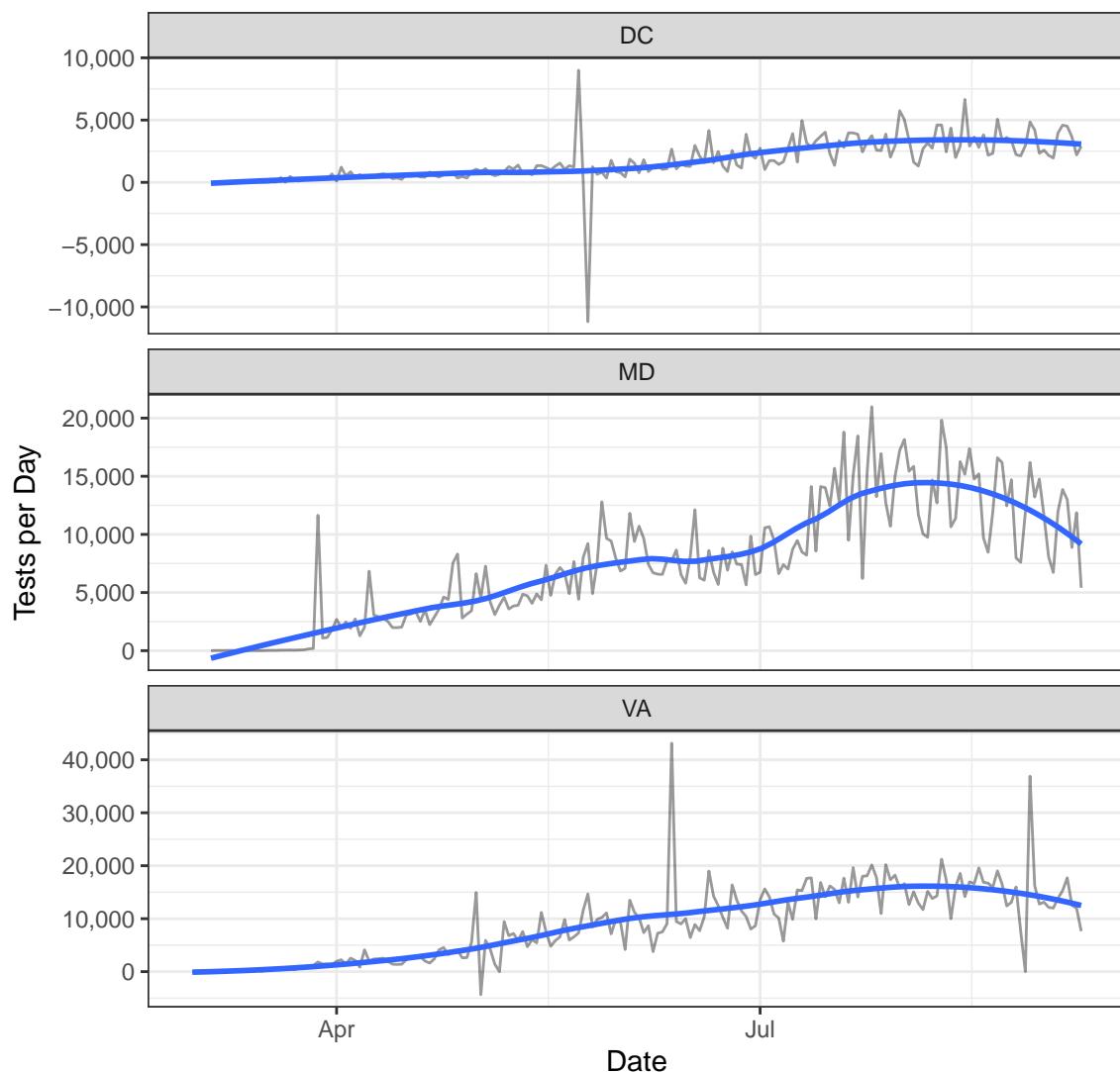




Testing



New Tests



Positive Test Rate

