

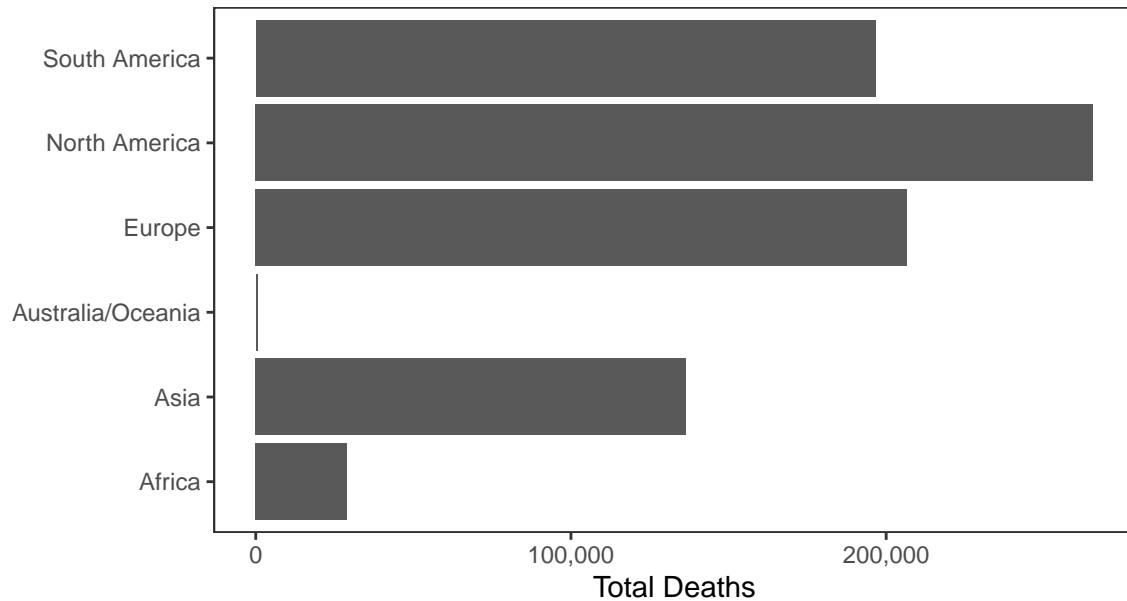
# Erik's Covid-19 Chart Pack

Data updated 2020-08-28 20:23:05. 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 24,614,575 confirmed Covid-19 cases and 834,966 deaths worldwide.

**Deaths**



**Cases**

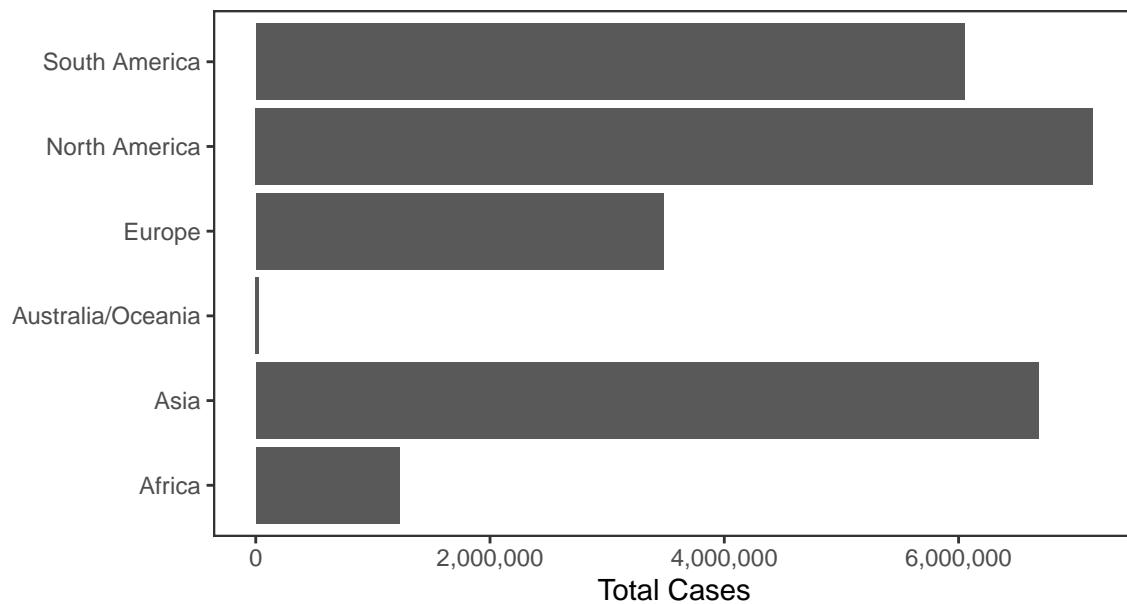
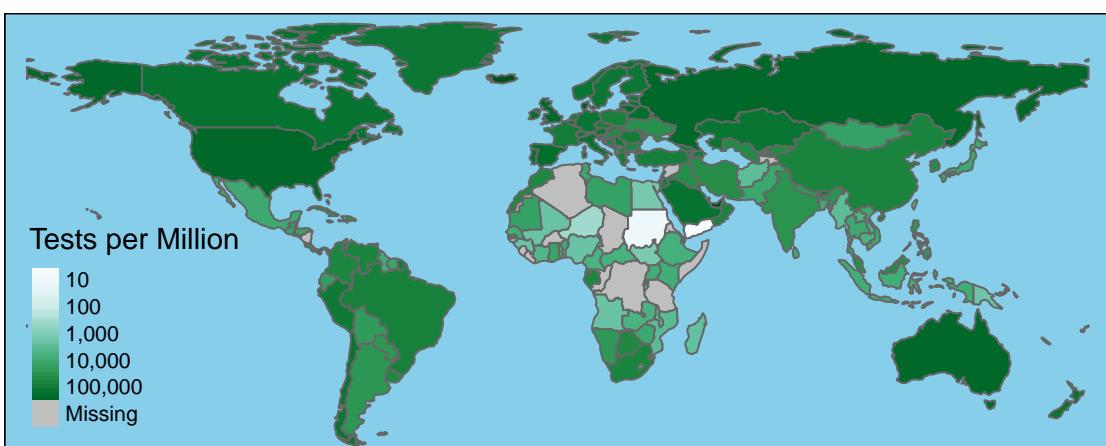
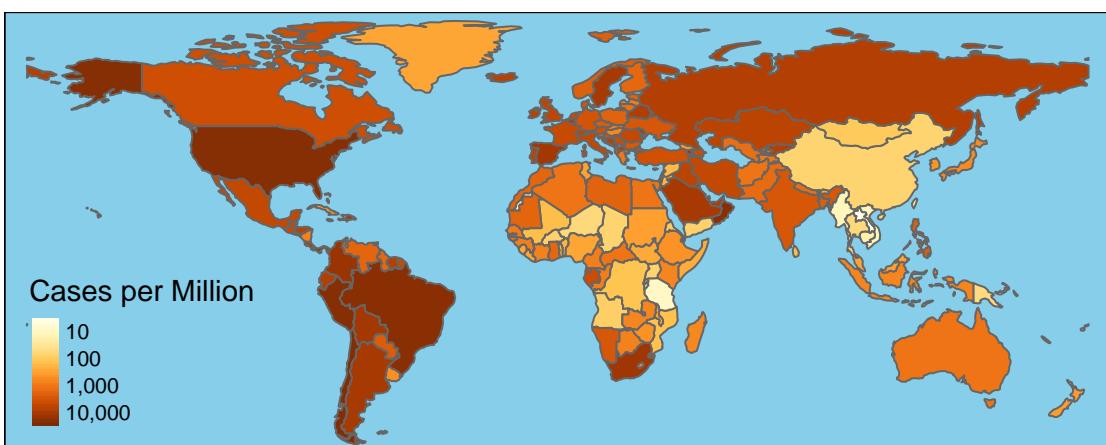
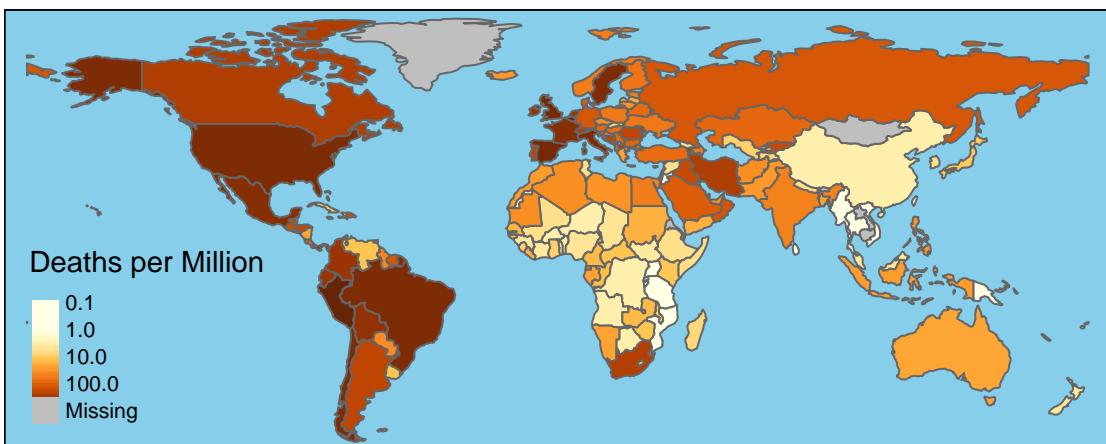


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,046,634	184,796	46,006	1,143
Brazil	3,764,493	118,726	42,489	970
India	3,384,575	61,694	76,826	1,065
Russia	975,576	16,804	4,711	121
Peru	621,997	28,277	8,619	153
South Africa	618,286	13,628	2,585	126
Colombia	582,022	18,468	9,752	284
Mexico	573,888	62,076	5,267	626
Spain	451,792	28,996	3,781	25
Chile	404,102	11,072	1,737	82
Argentina	380,292	8,050	10,104	211
Iran	367,796	21,137	2,190	117
UK	330,368	41,477	1,522	12
Saudi Arabia	311,855	3,785	1,019	30
Bangladesh	304,583	4,127	2,436	45
Pakistan	294,638	6,274	445	7
Turkey	263,998	6,209	1,491	26
Italy	263,947	35,463	1,409	5
France	259,698	30,576	6,111	32
Germany	240,565	9,359	1,565	7



## National Data

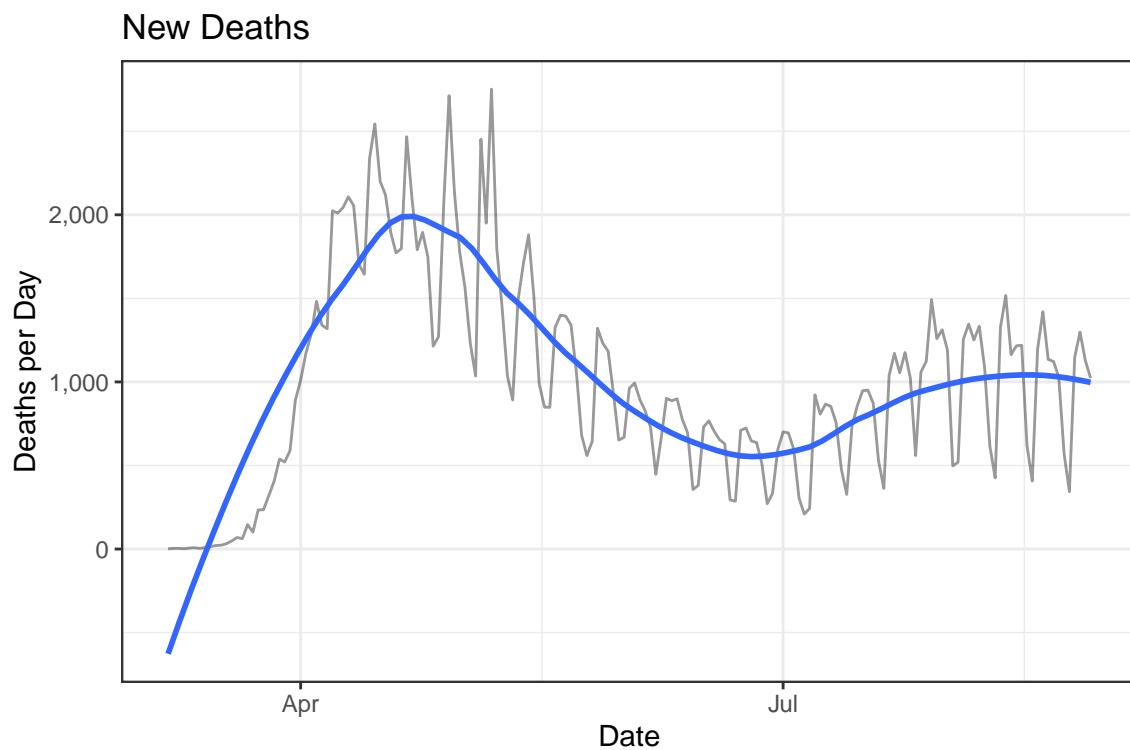
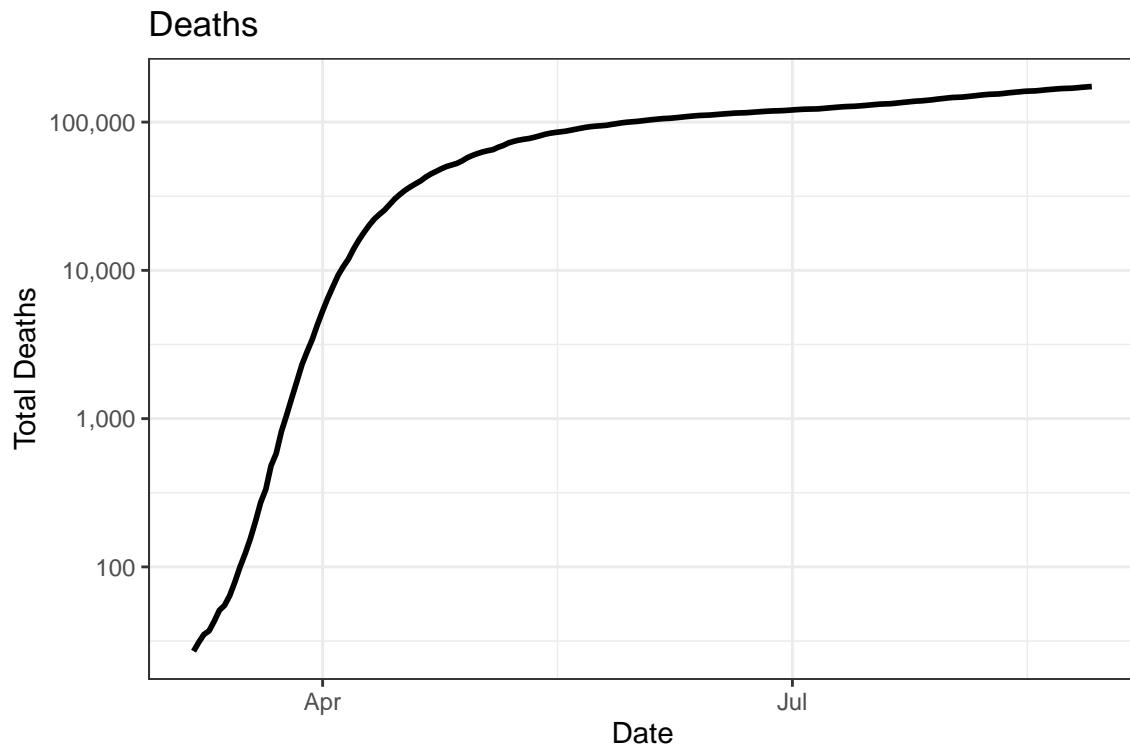
There have been 5,884,053 confirmed Covid-19 cases and 173,754 deaths in the United States.

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

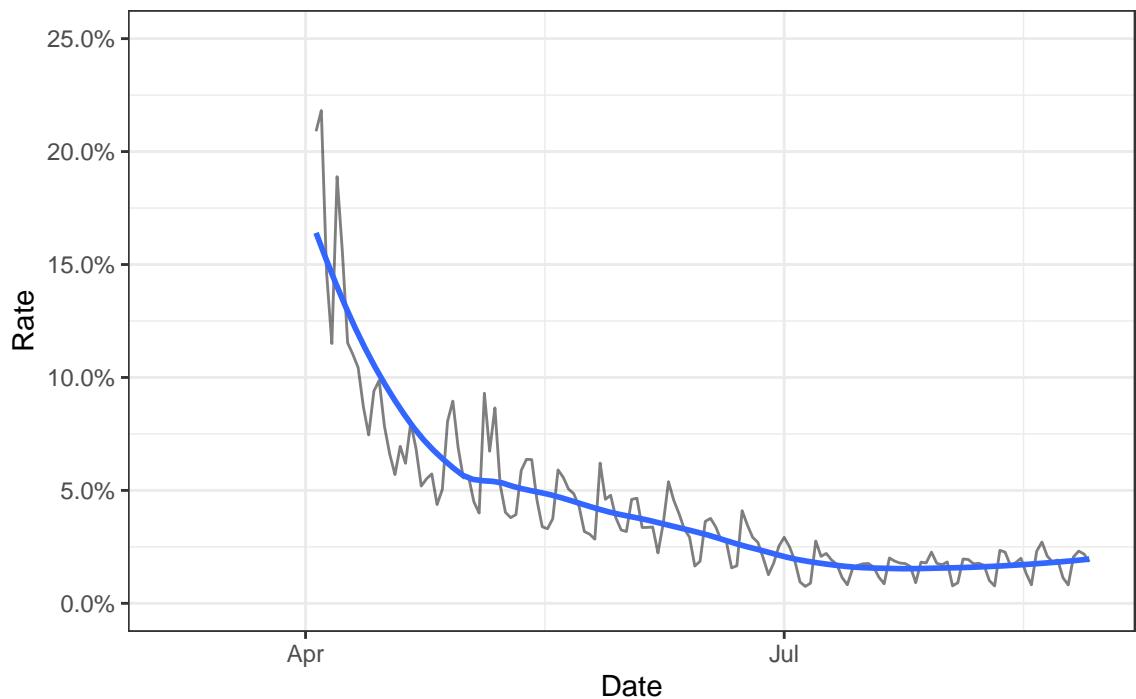
Date	Cases	Deaths	New Cases	New Deaths
2020-08-28	5,884,053	173,754	46,546	1,023
2020-08-27	5,837,507	172,731	43,984	1,129
2020-08-26	5,793,523	171,602	43,356	1,298
2020-08-25	5,750,167	170,304	36,374	1,147
2020-08-24	5,713,793	169,157	34,641	343
2020-08-23	5,679,152	168,814	37,567	572
2020-08-22	5,641,585	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
2020-08-18	5,460,070	163,536	40,796	1,196
2020-08-17	5,419,274	162,340	37,881	407
2020-08-16	5,381,393	161,933	42,487	619
2020-08-15	5,338,906	161,314	56,148	1,219

## Deaths

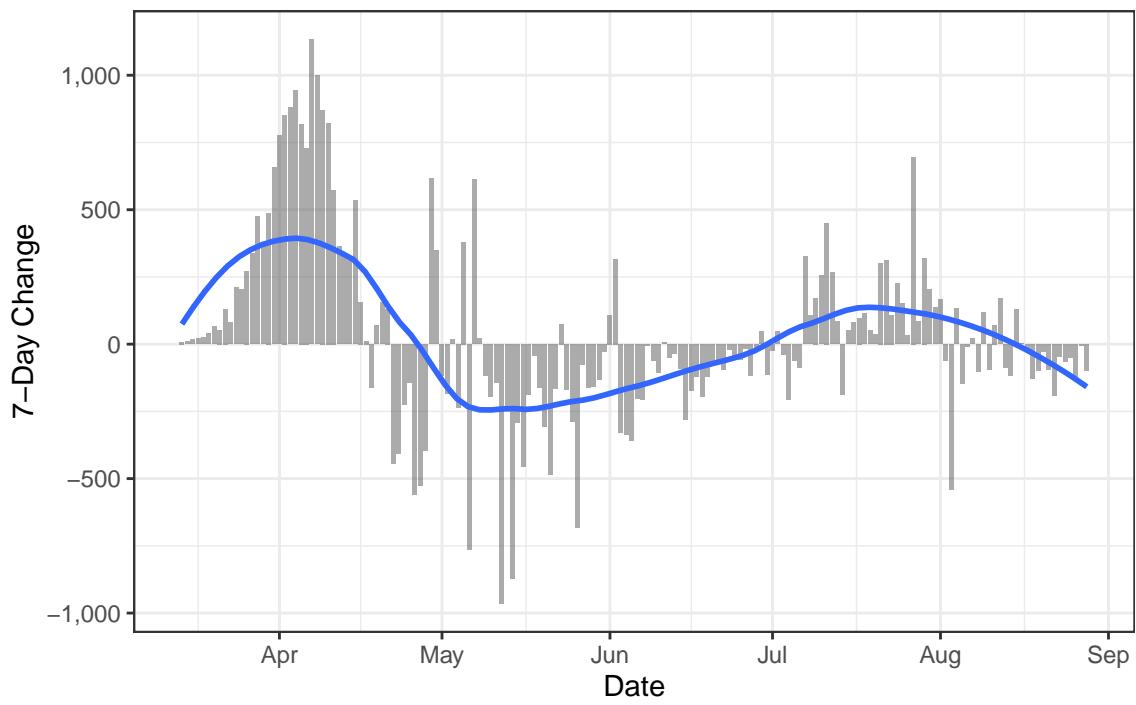
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

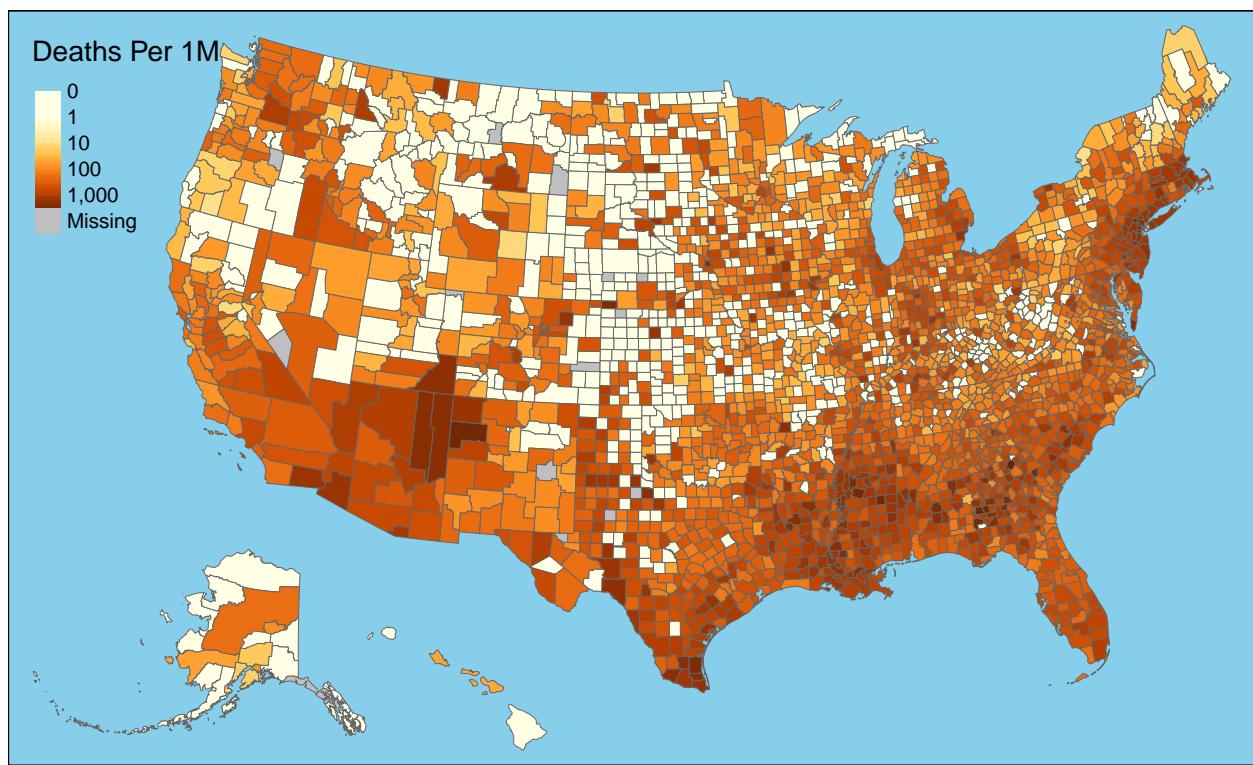


Daily Case Mortality Rate



One-Week Change in Daily Deaths

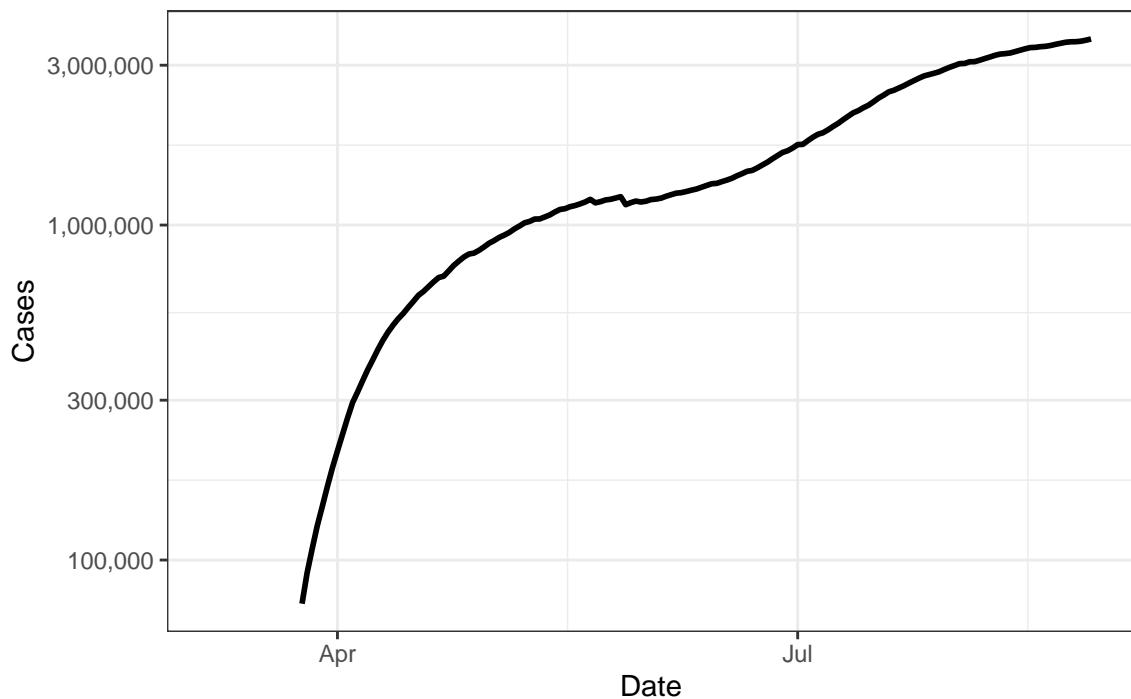




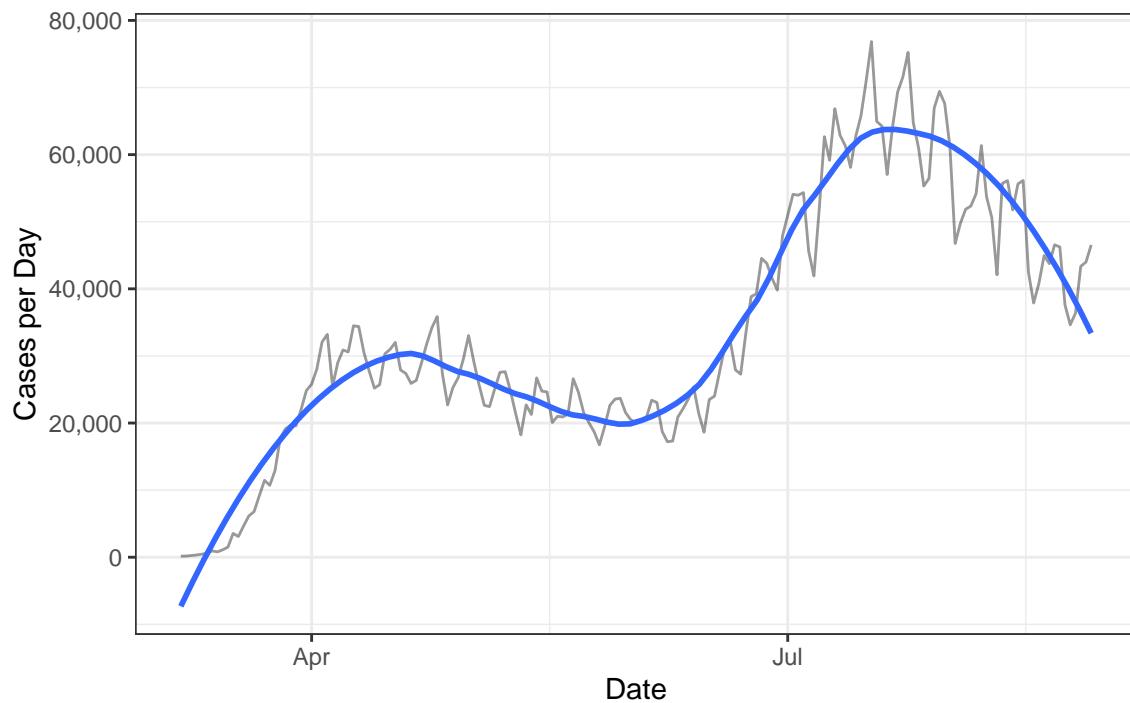
## Cases

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

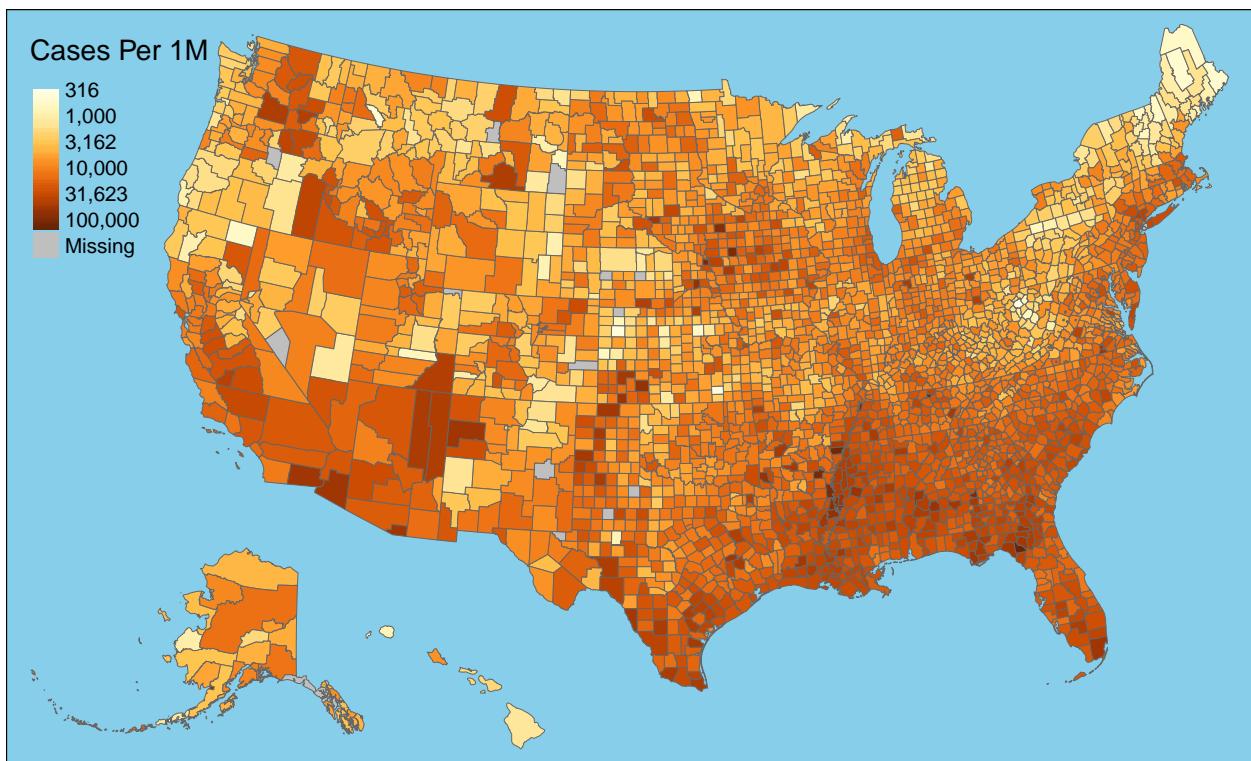
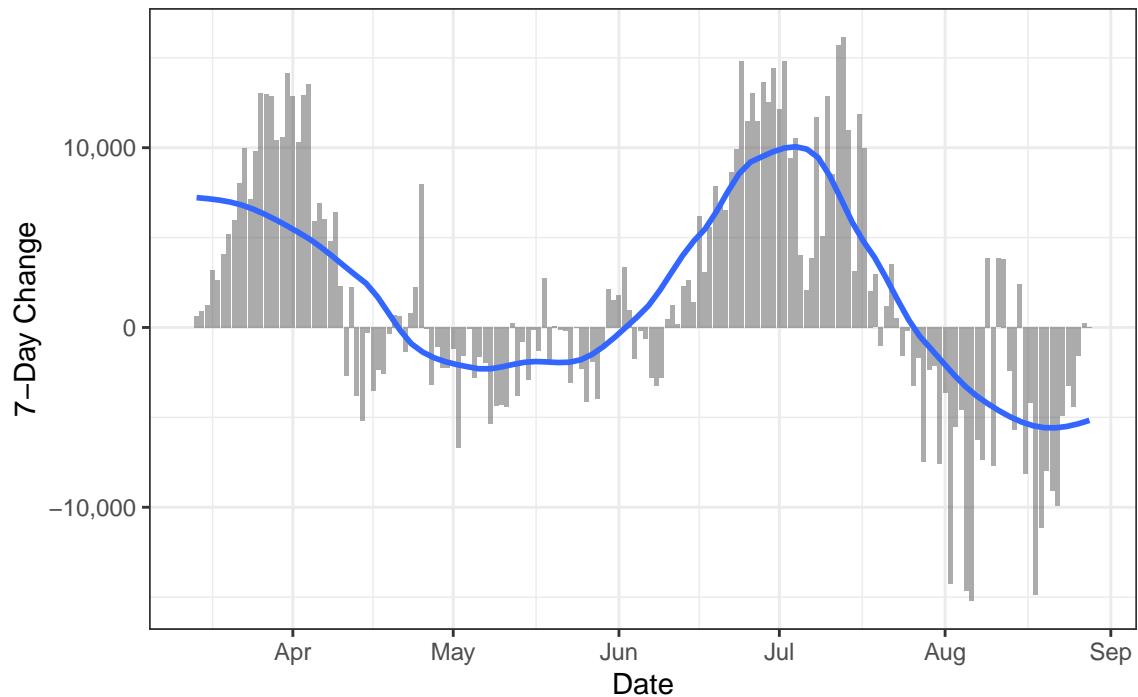
### Active Cases



### New Cases

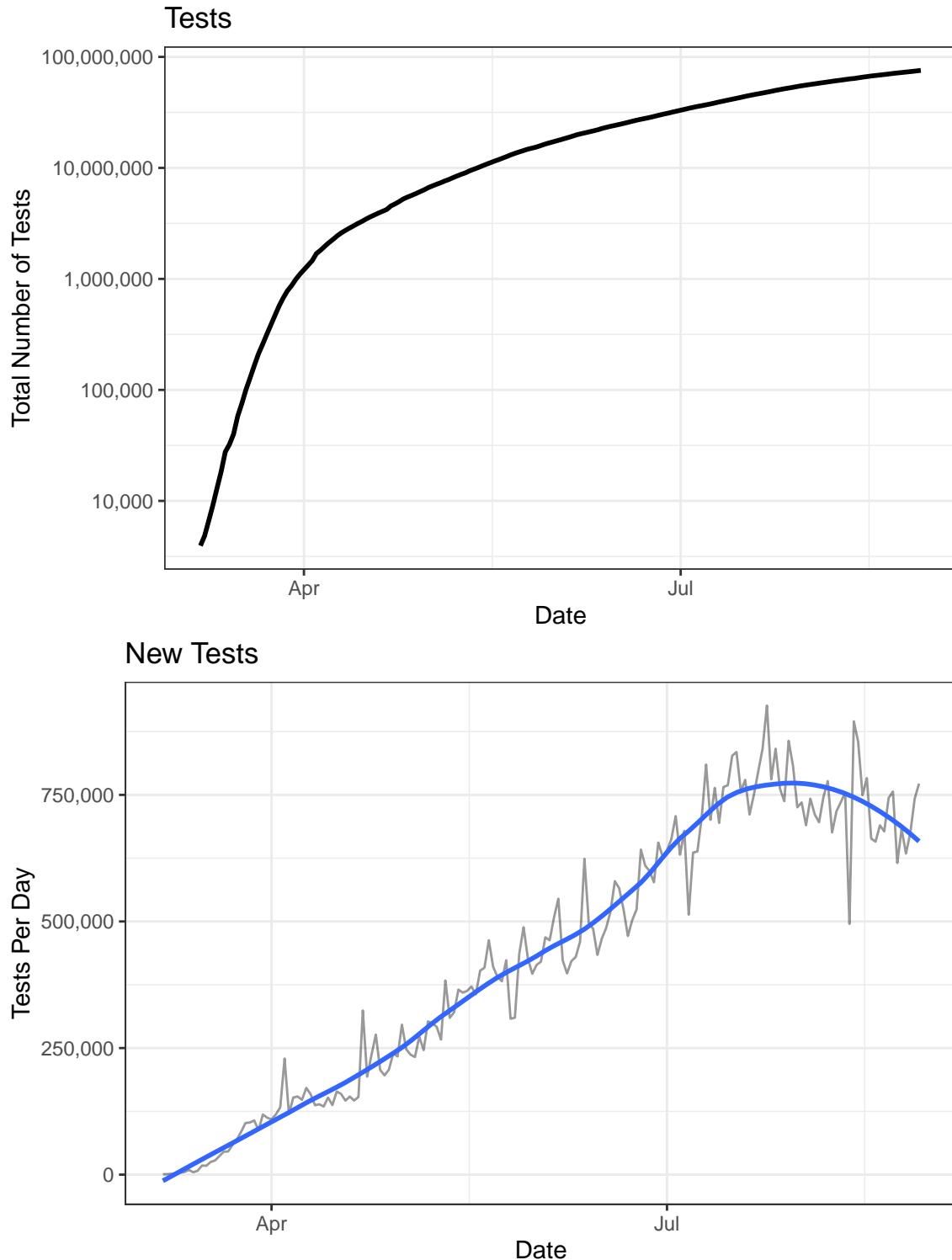


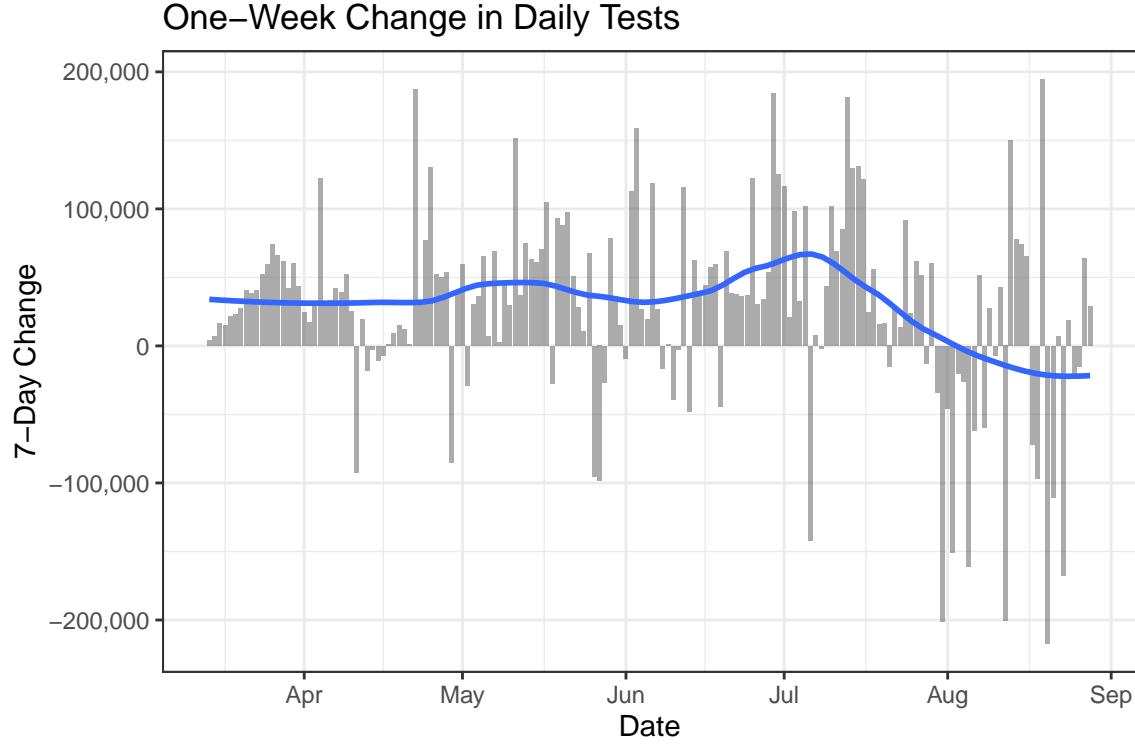
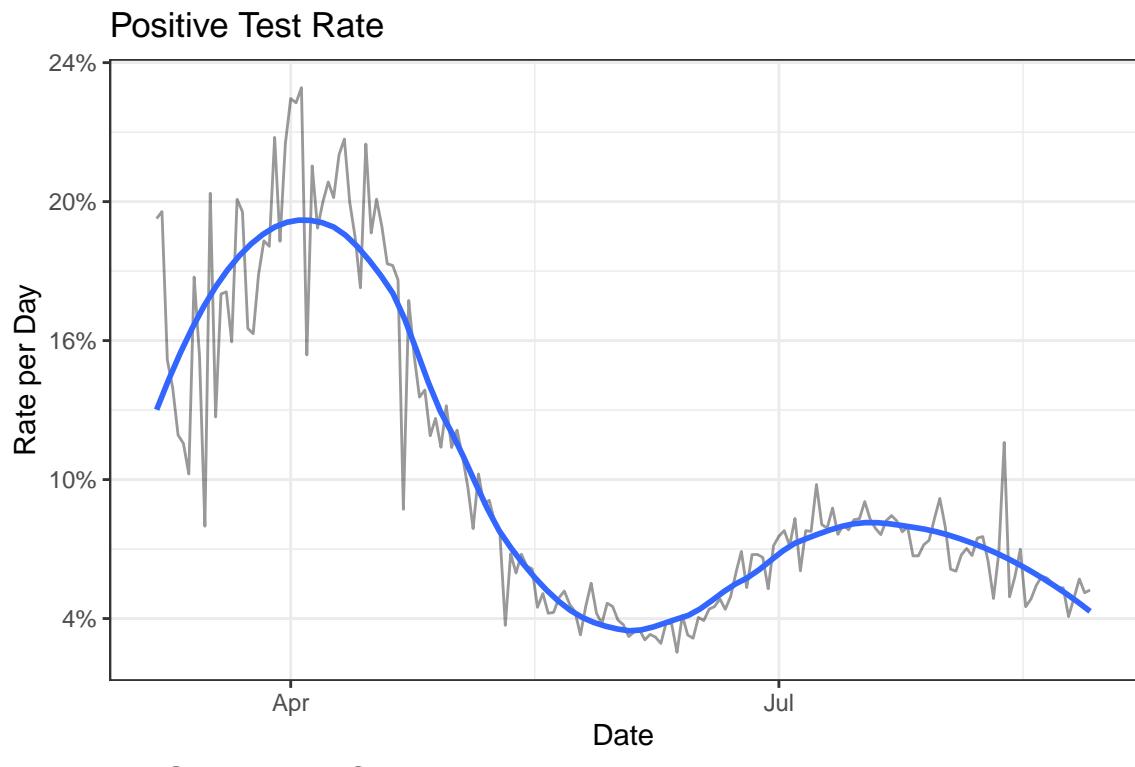
## One-Week Change in Daily Cases



## 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.



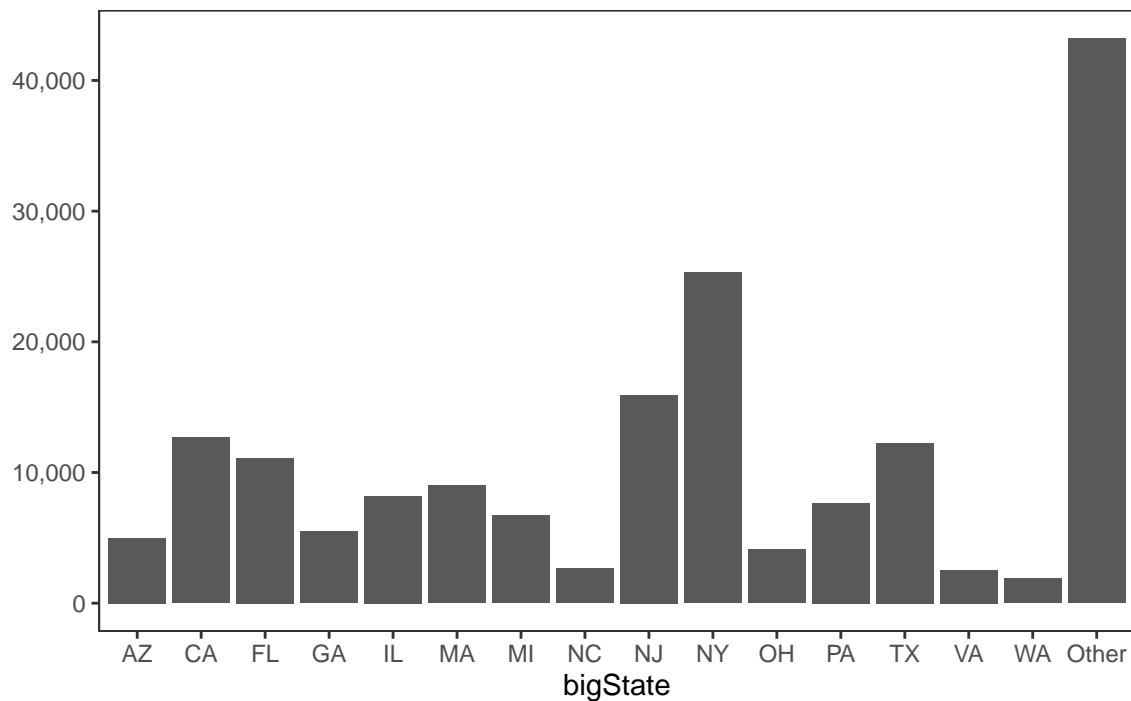


## State Data

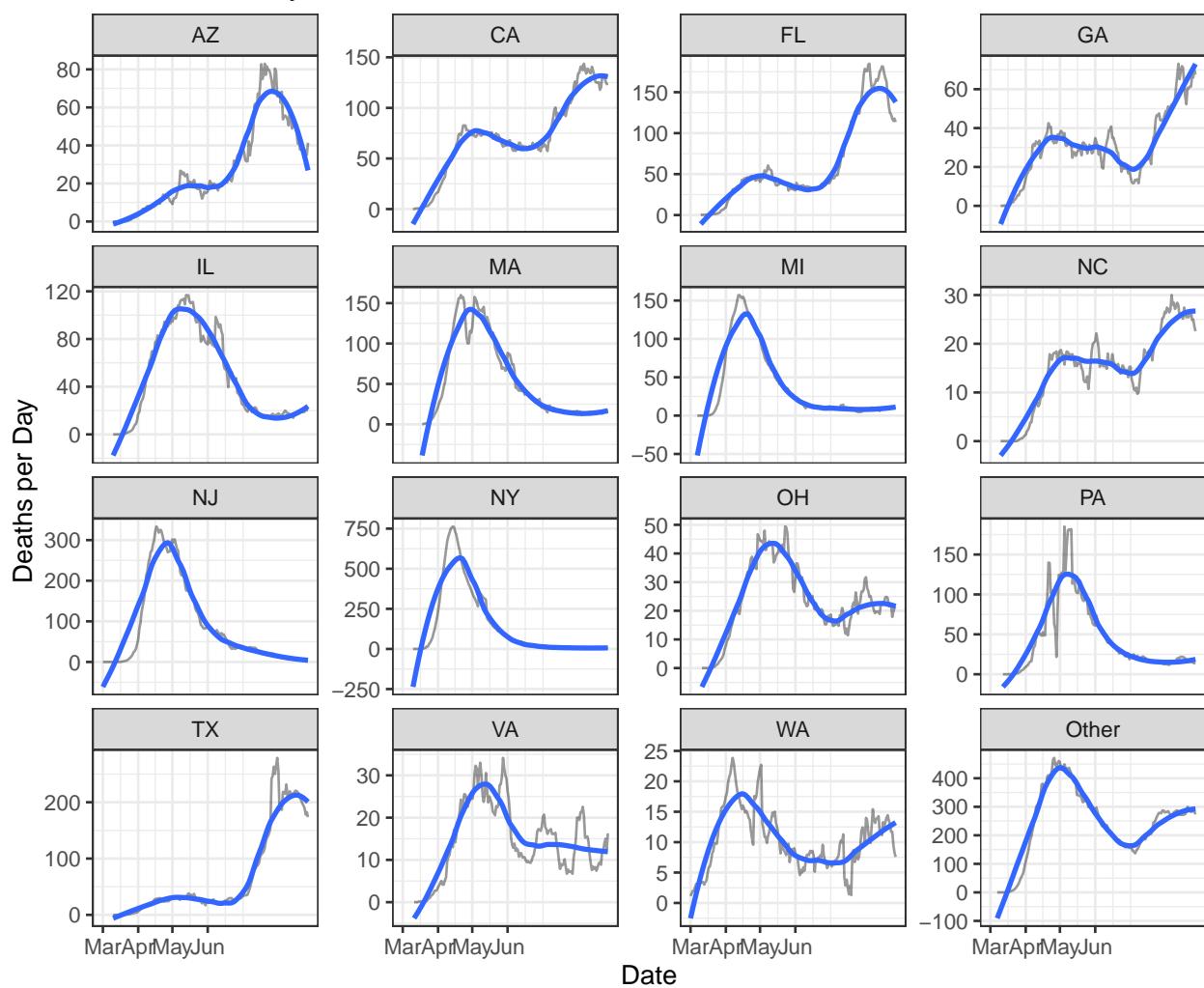
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

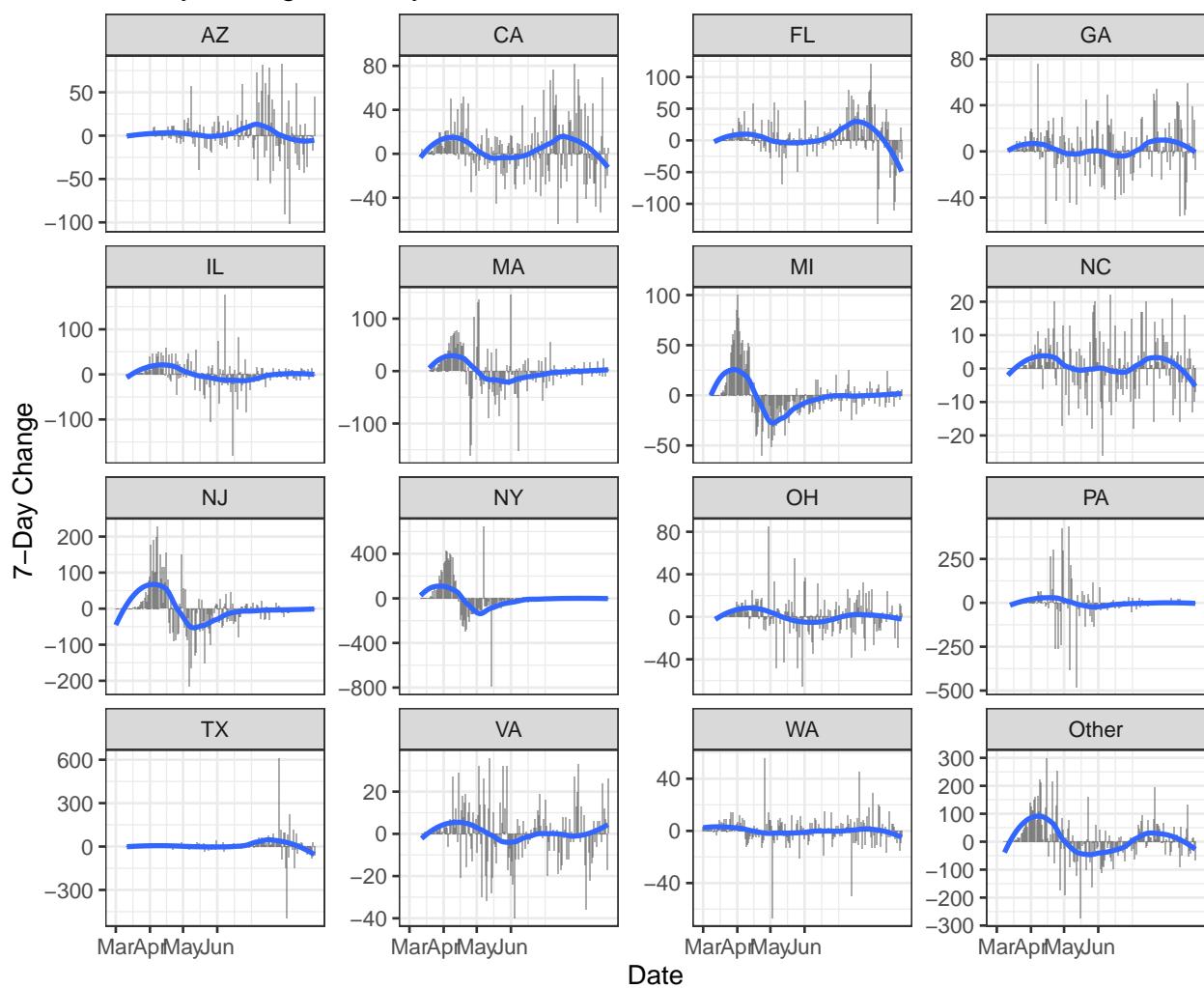
Deaths by State

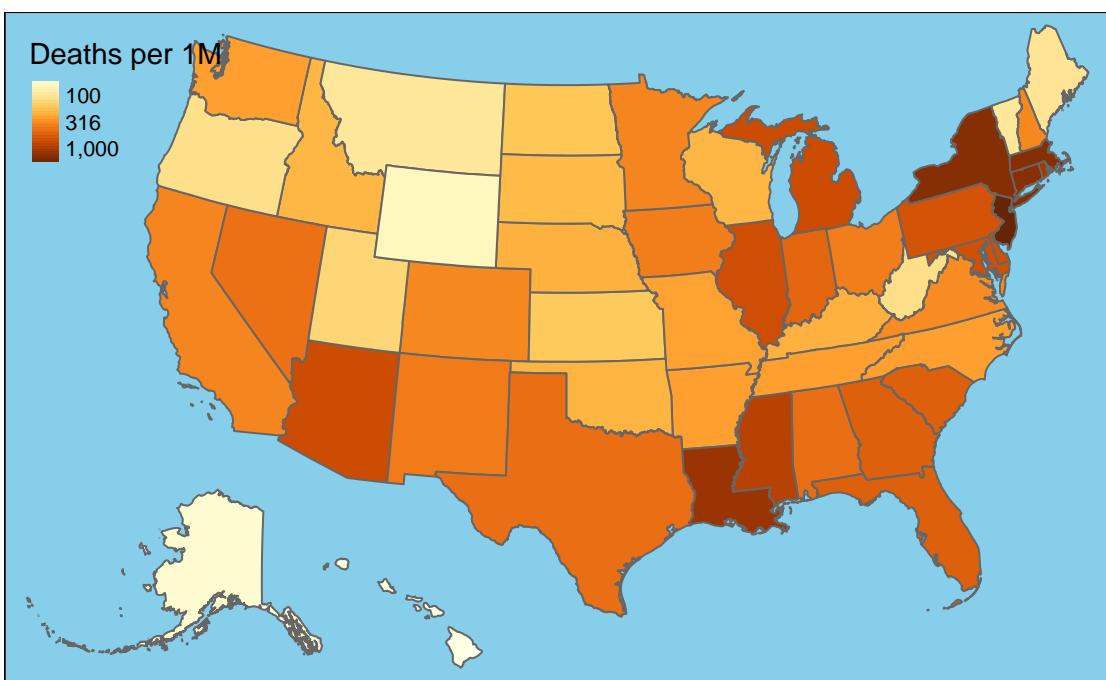
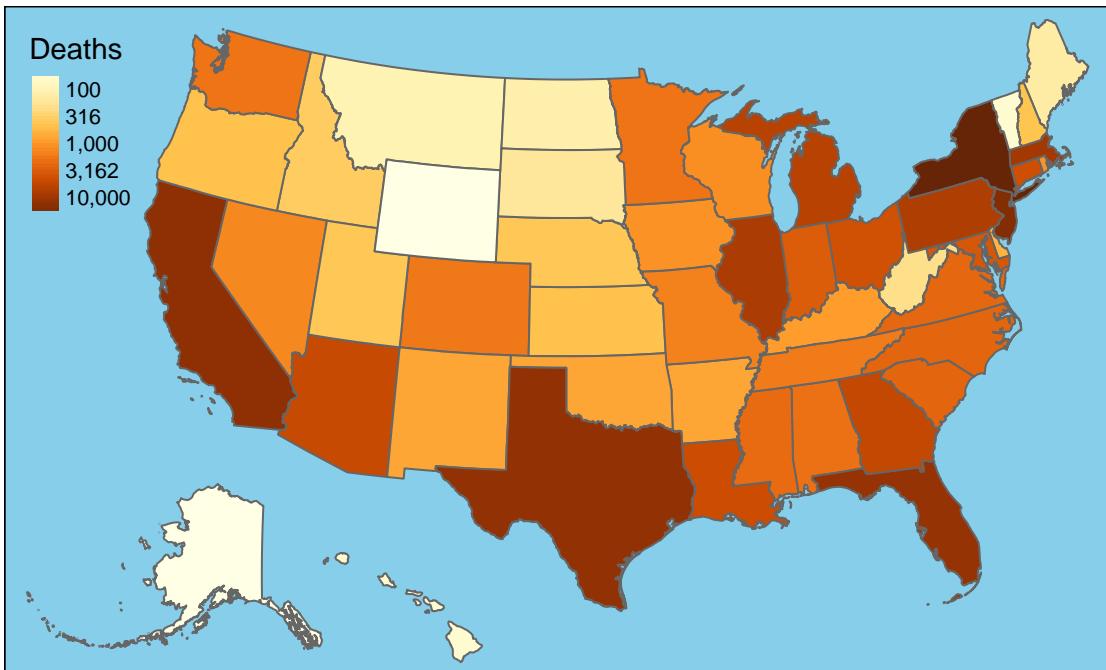


## New Deaths by State



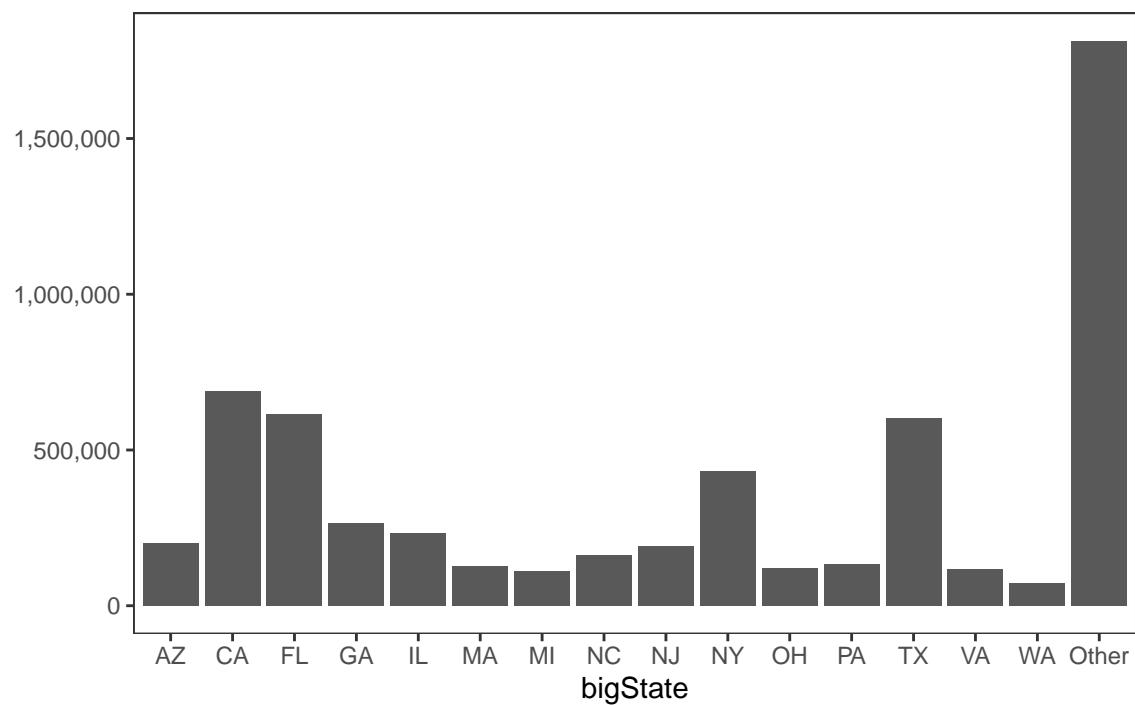
### 7-Day Change in Daily Deaths



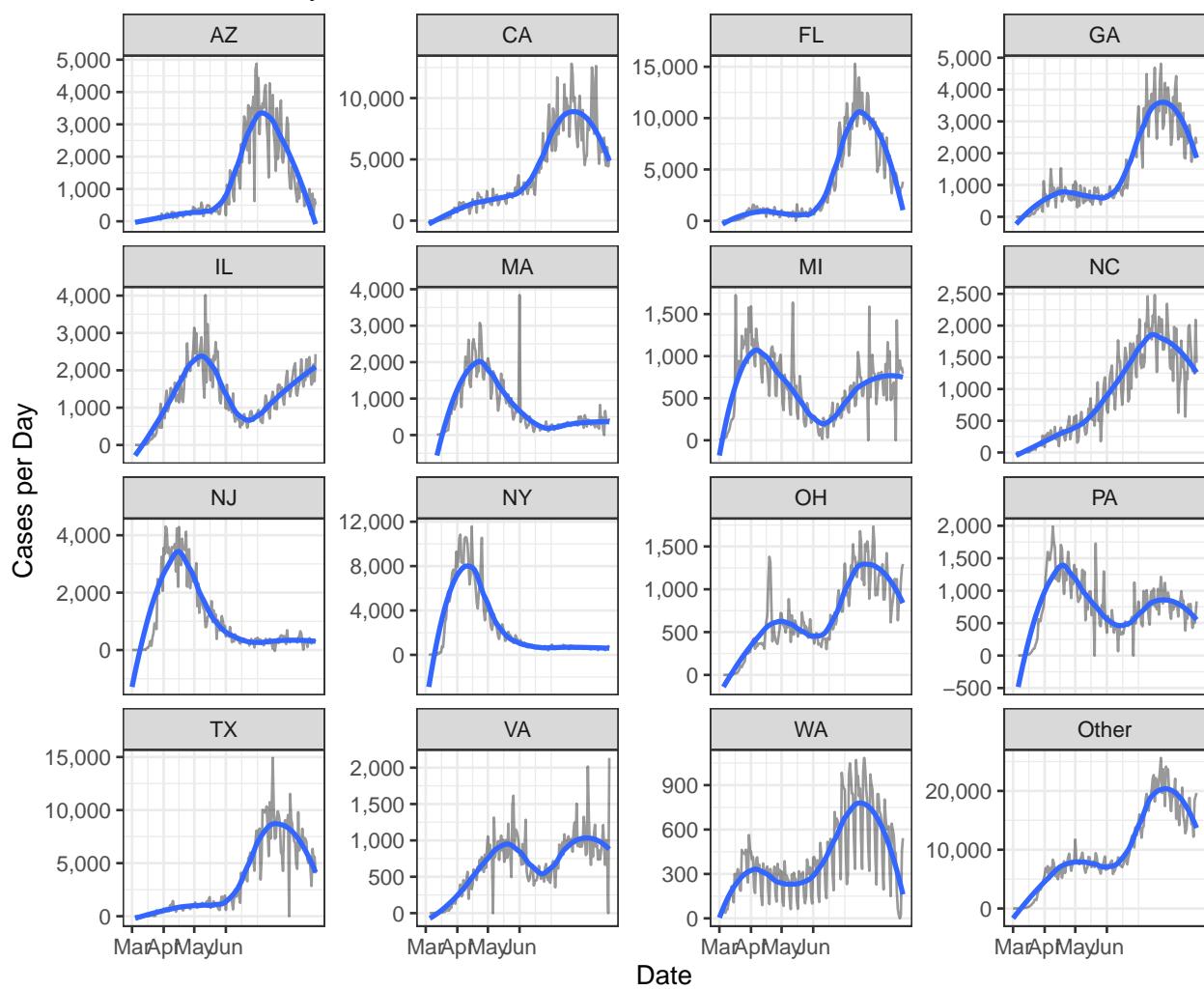


Cases

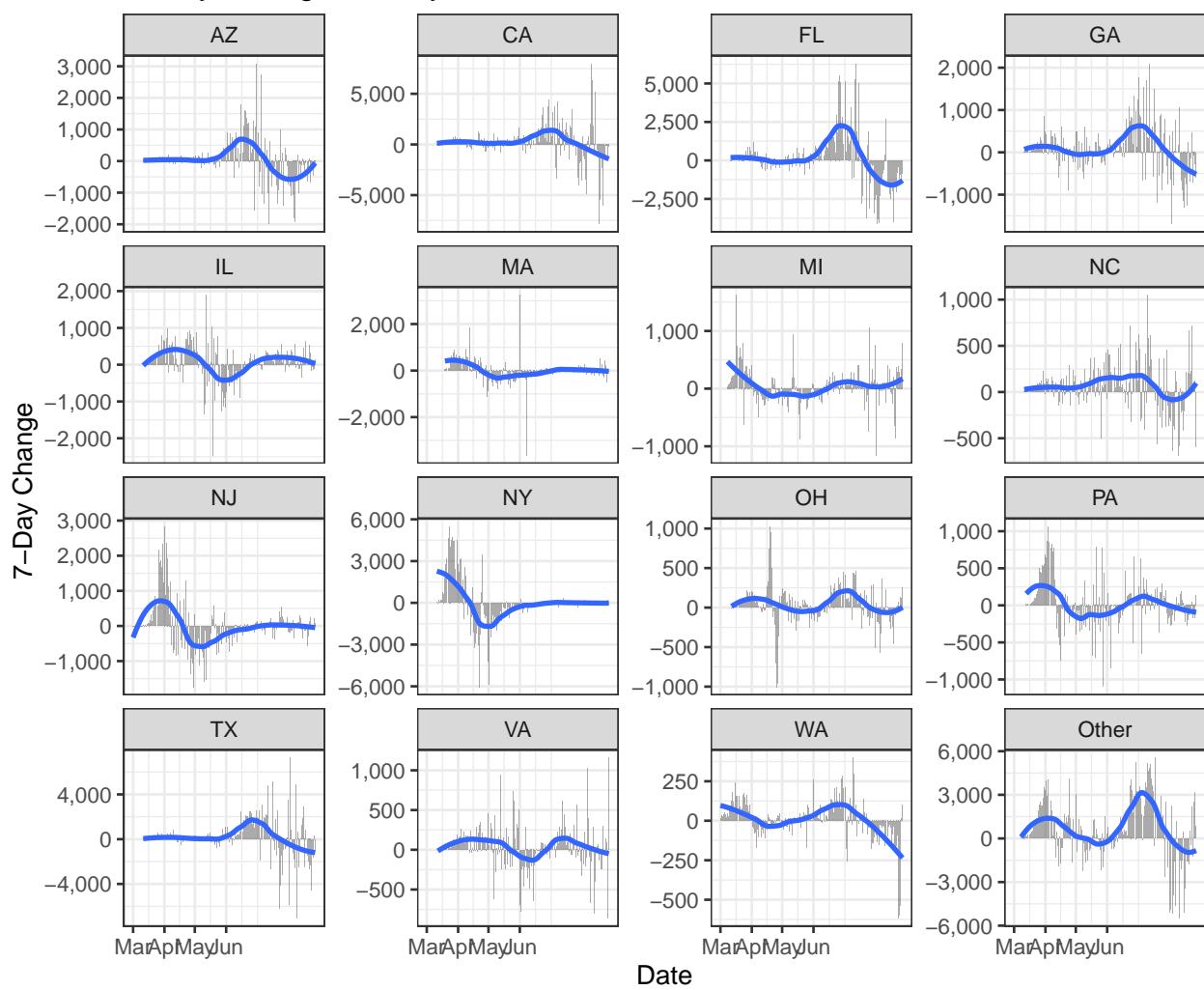
Cases by State

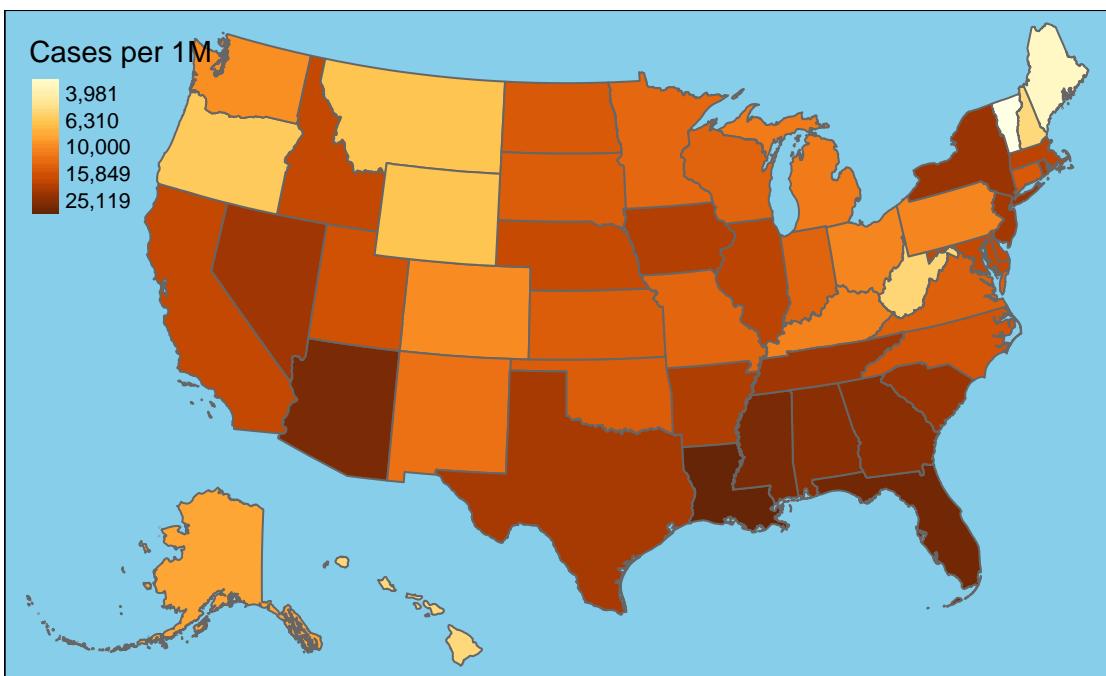
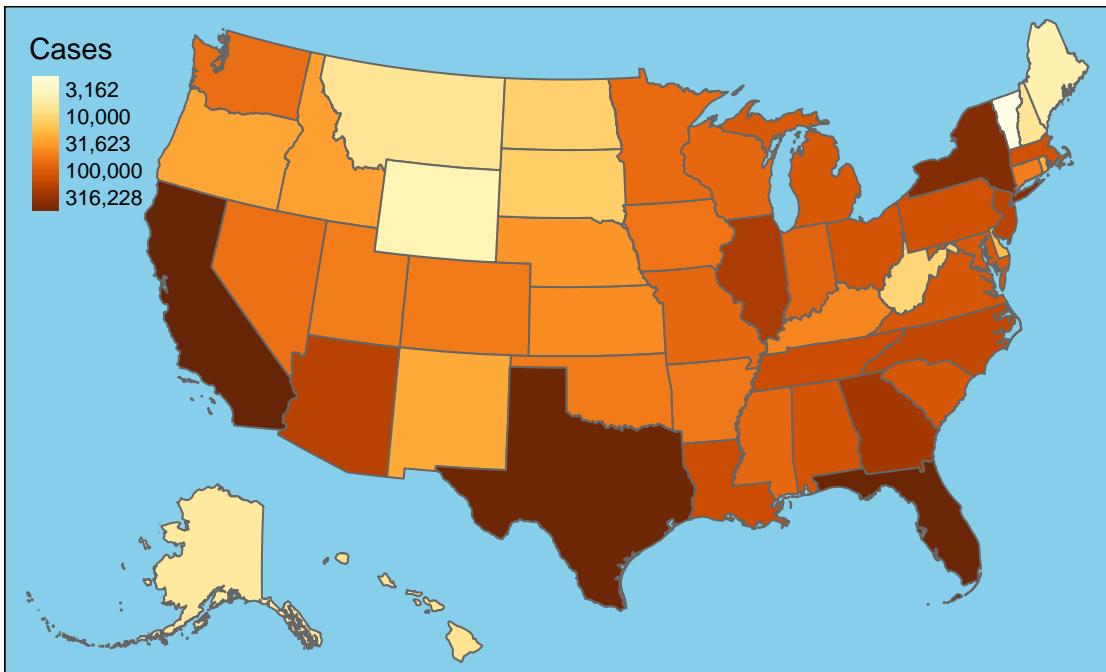


## New Cases by State

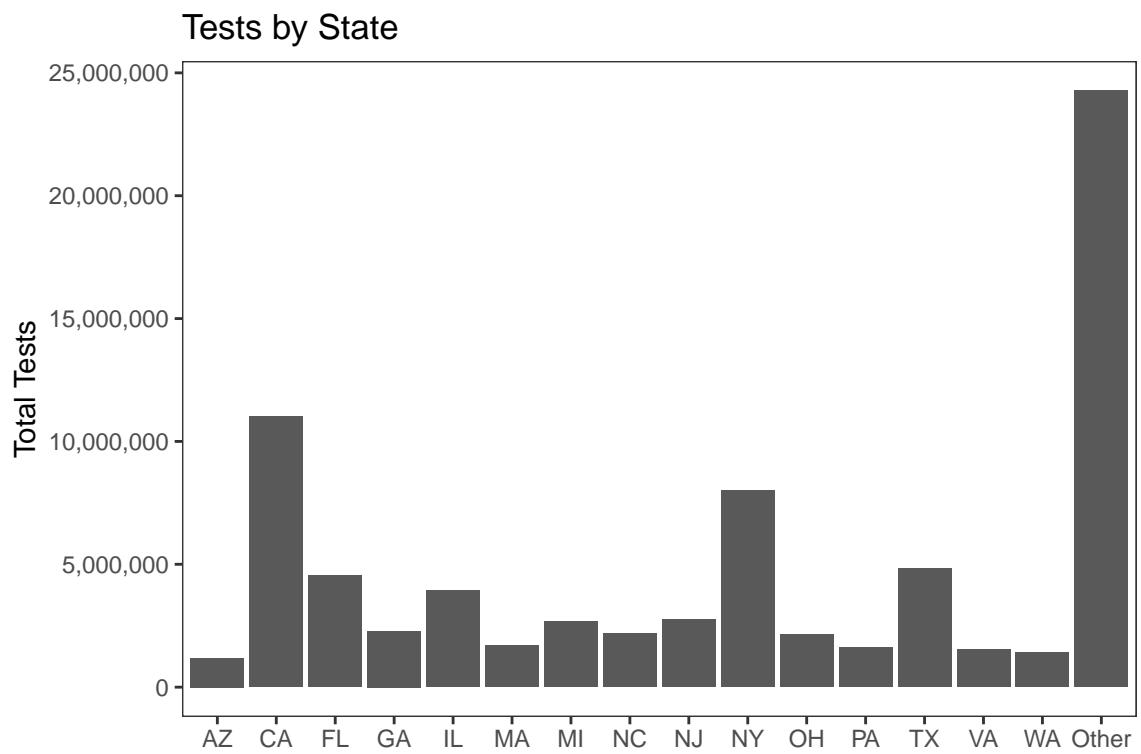


### 7-Day Change in Daily Cases

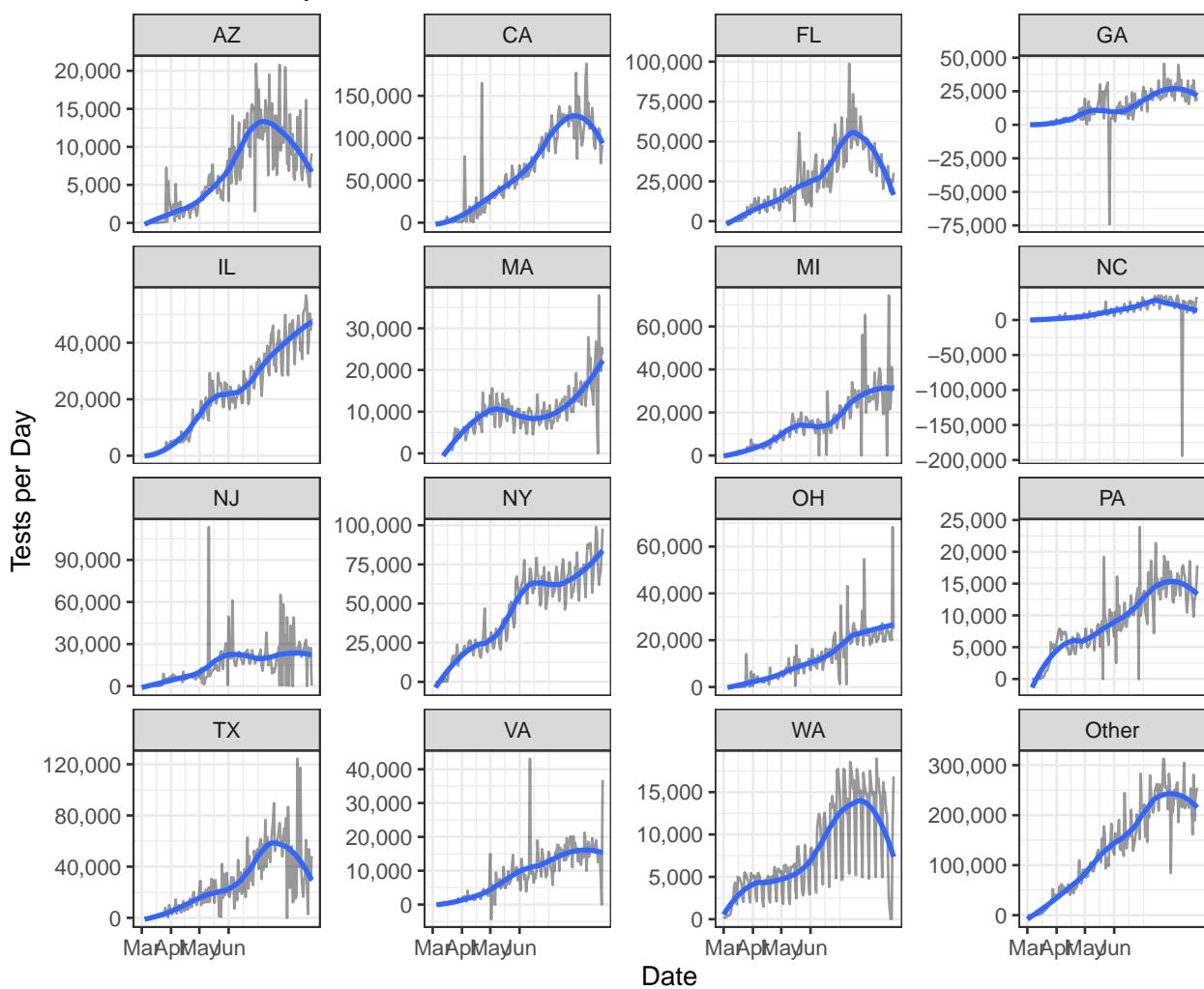


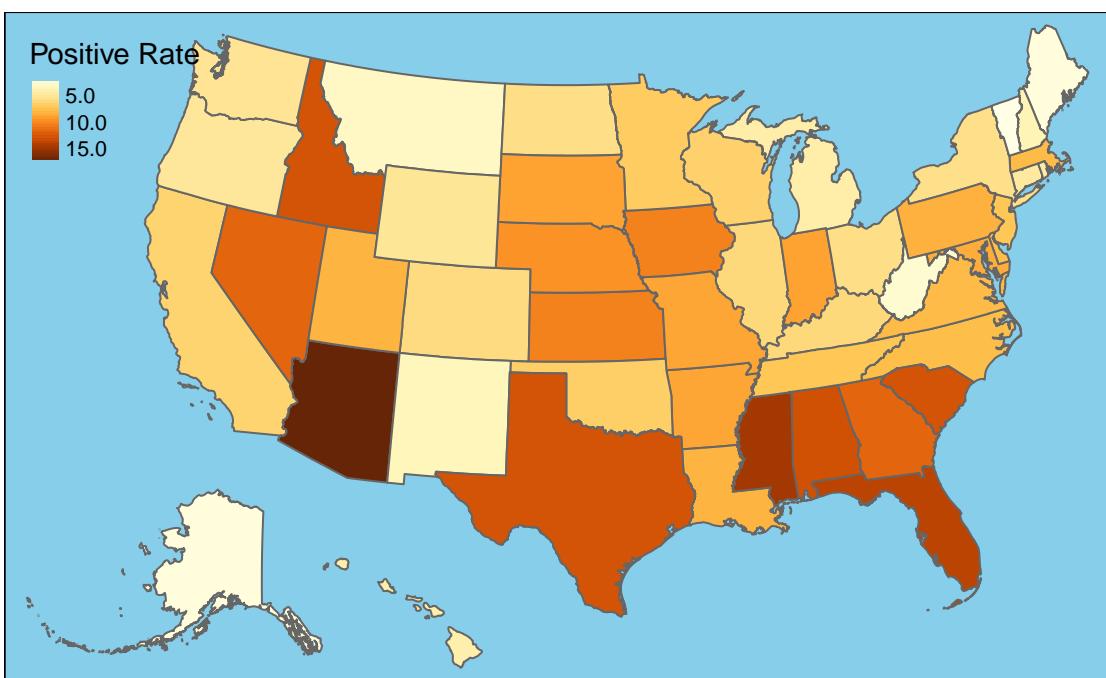
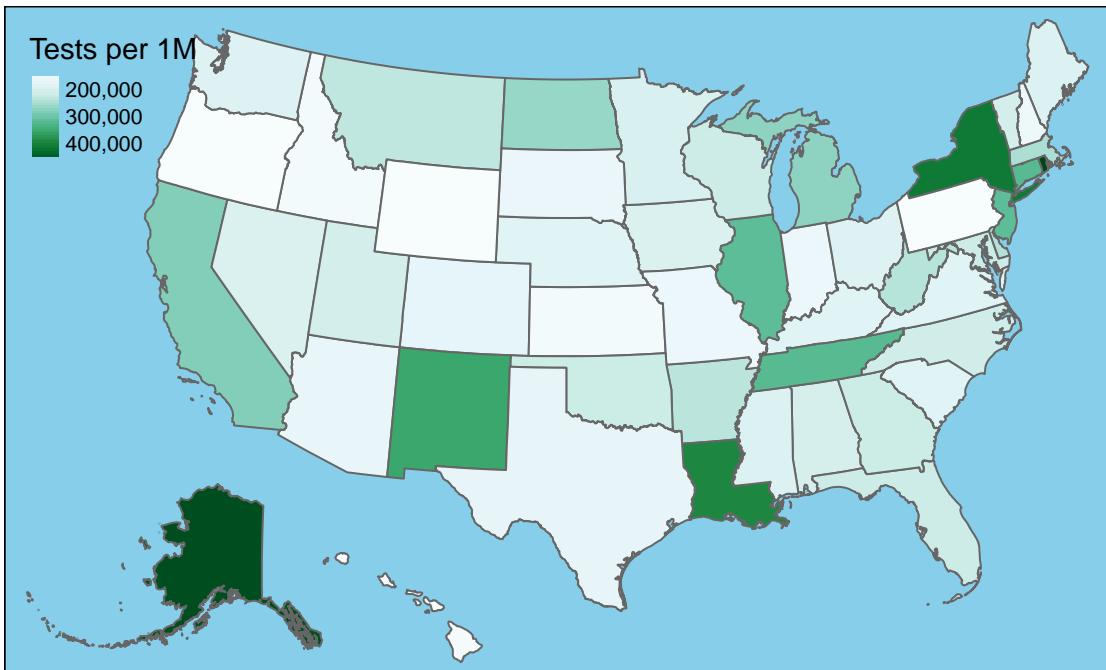


## Testing



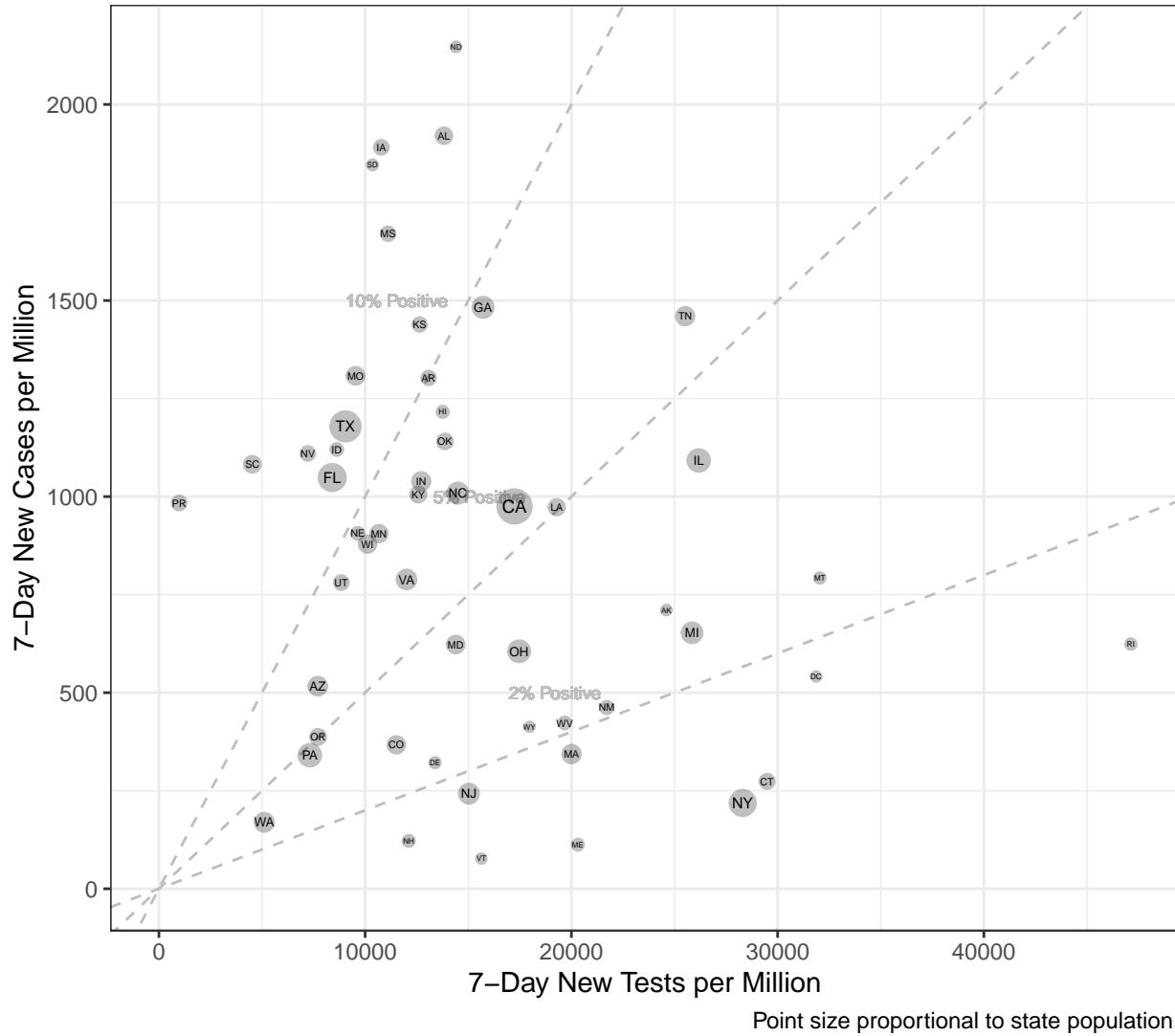
## New Tests by State





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**



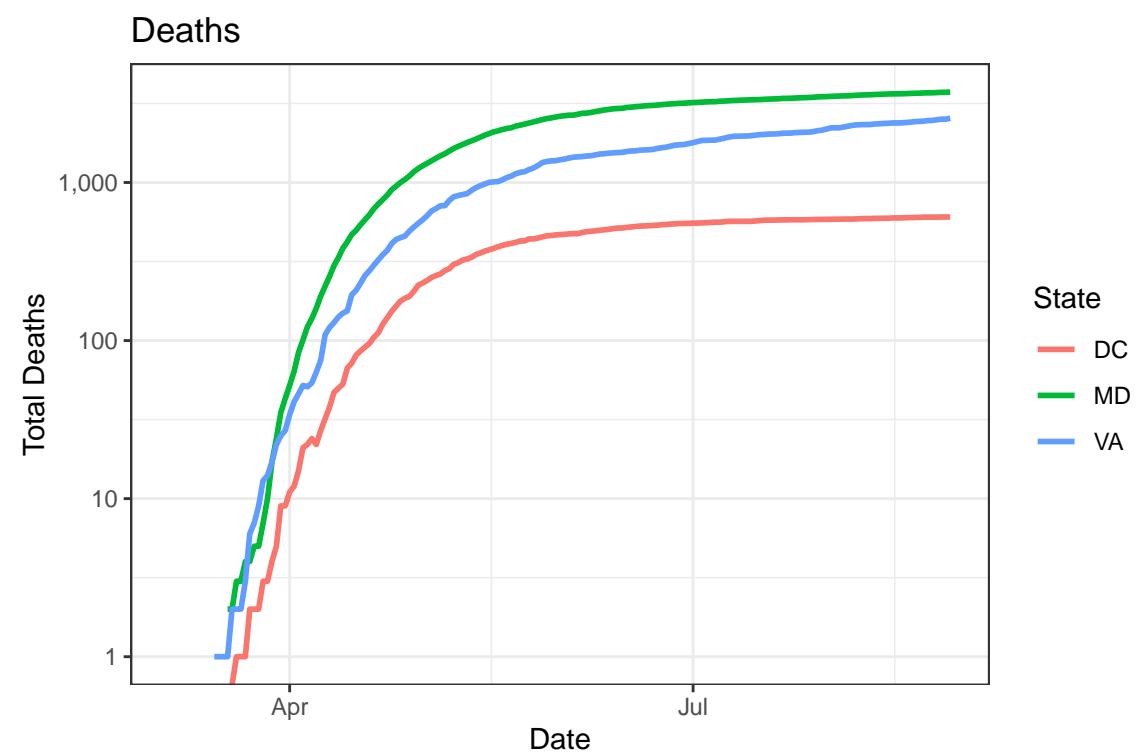
## Local Data

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

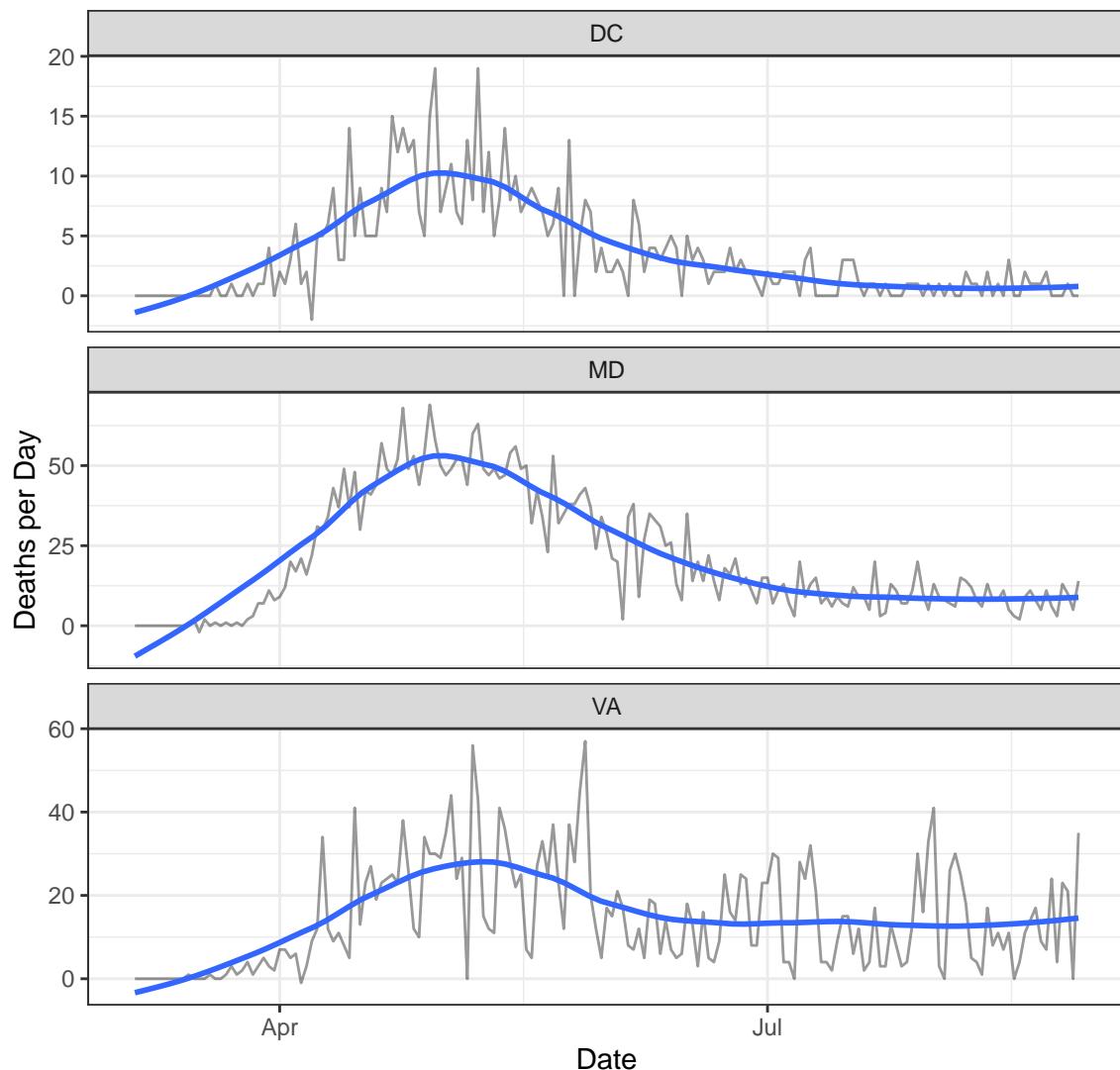
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	13,851	605	57	0
MD	106,664	3,736	601	14
VA	117,592	2,550	2,134	35

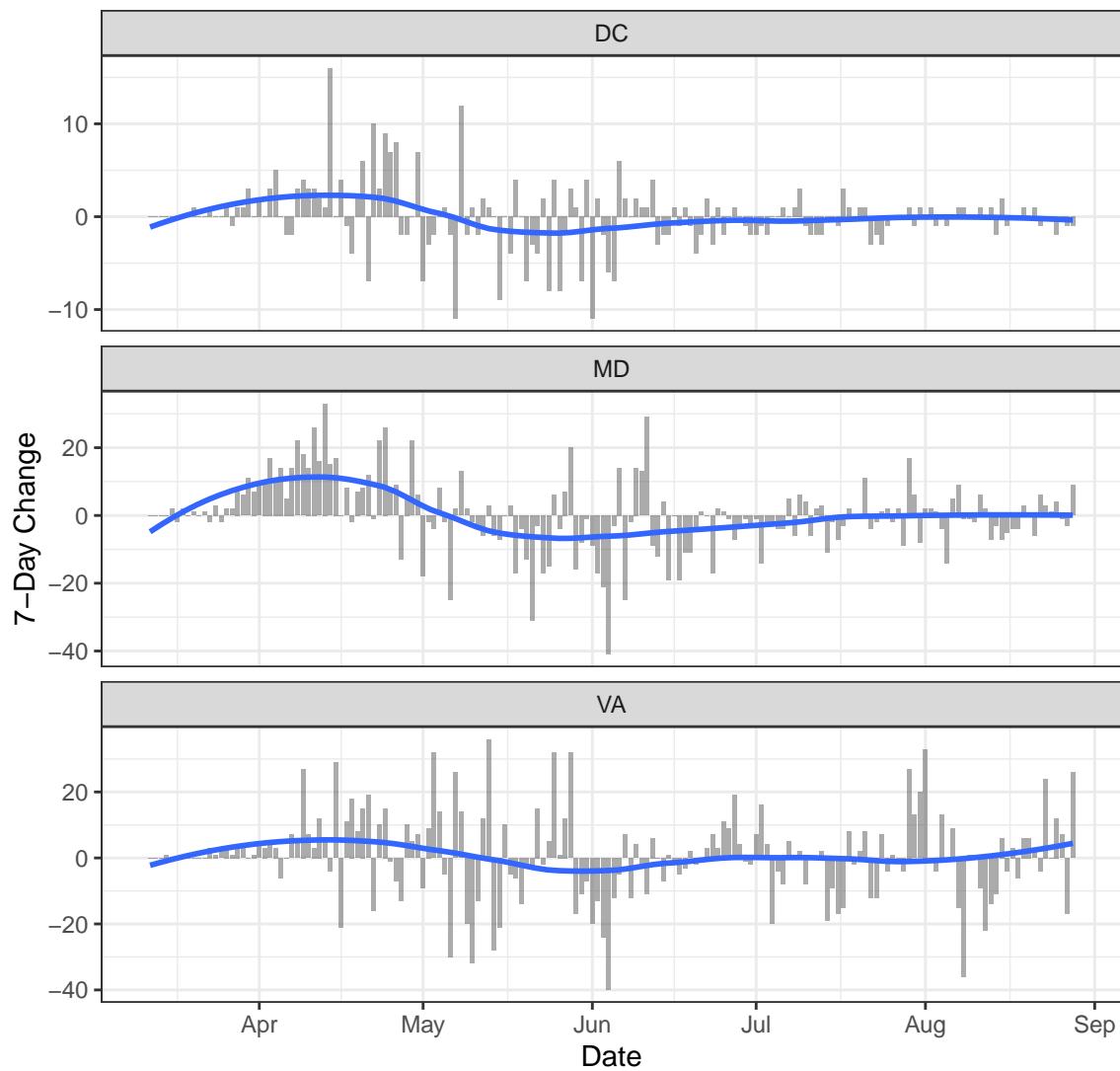
## Deaths

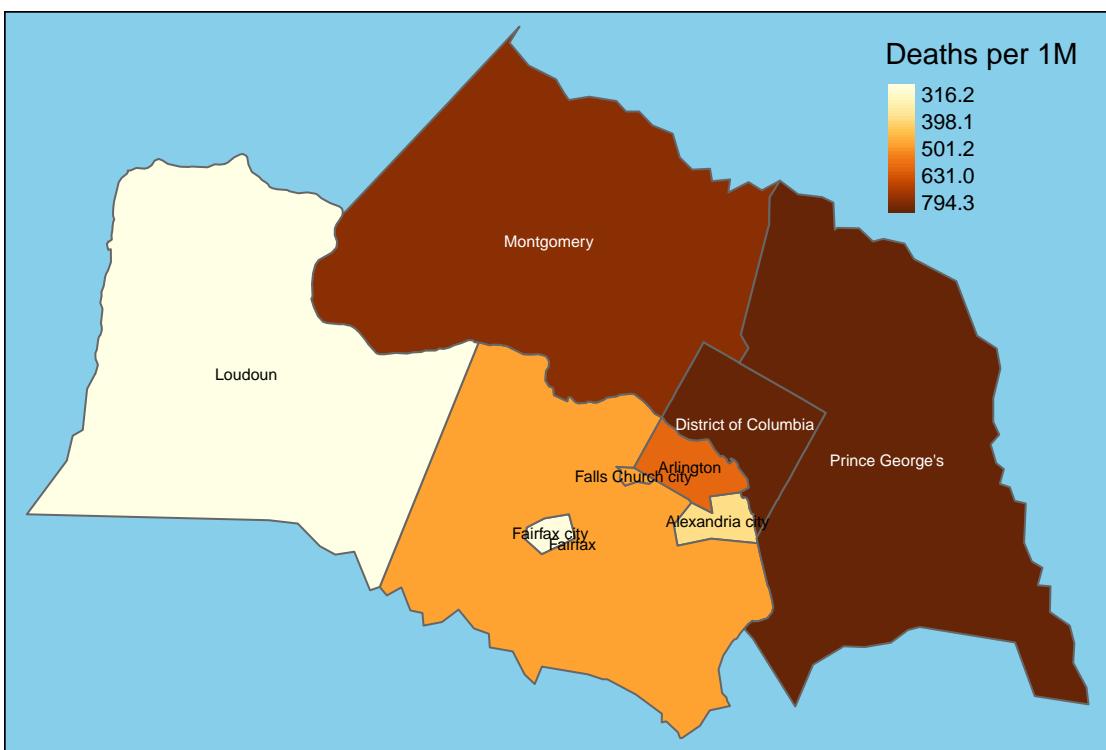
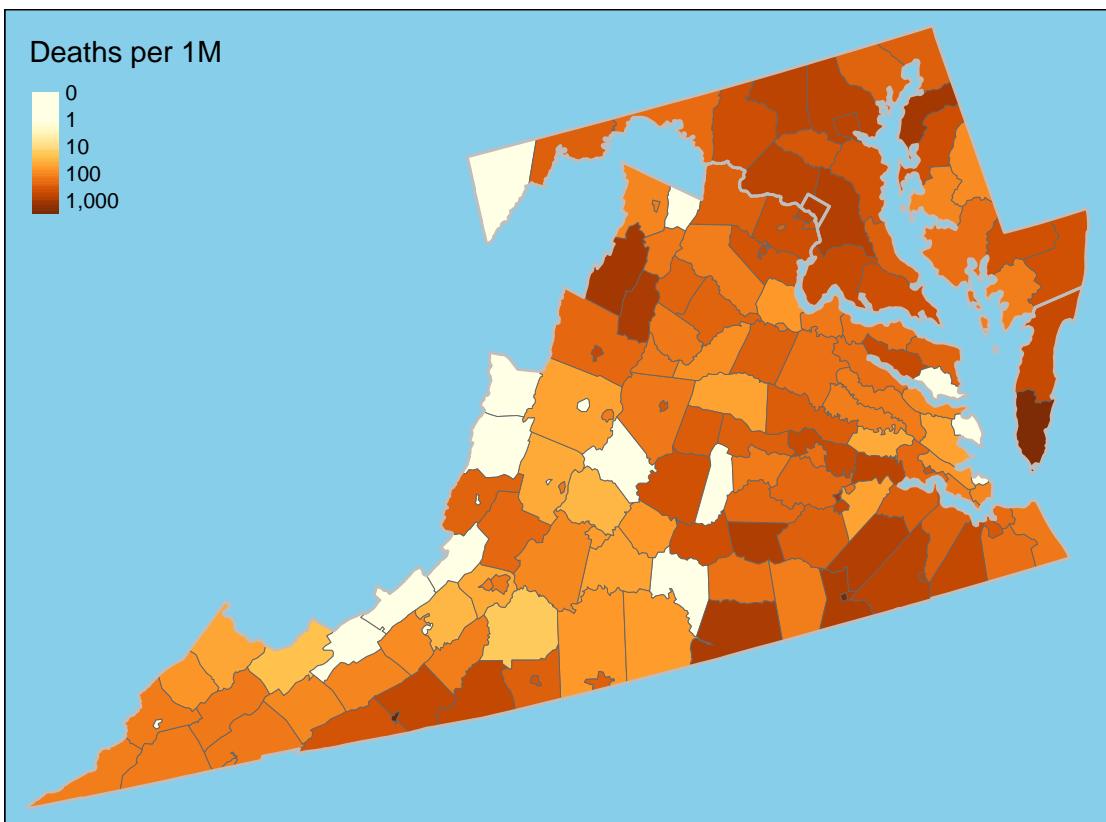


## New Deaths

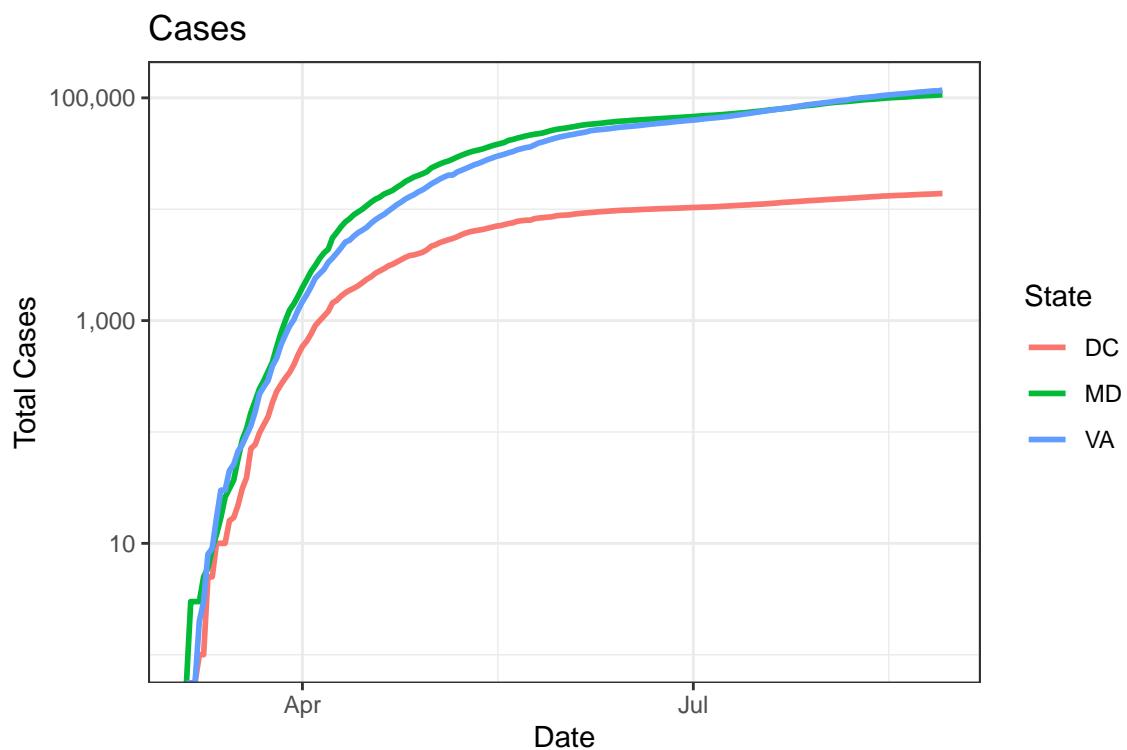


## One-Week Change in Daily Deaths

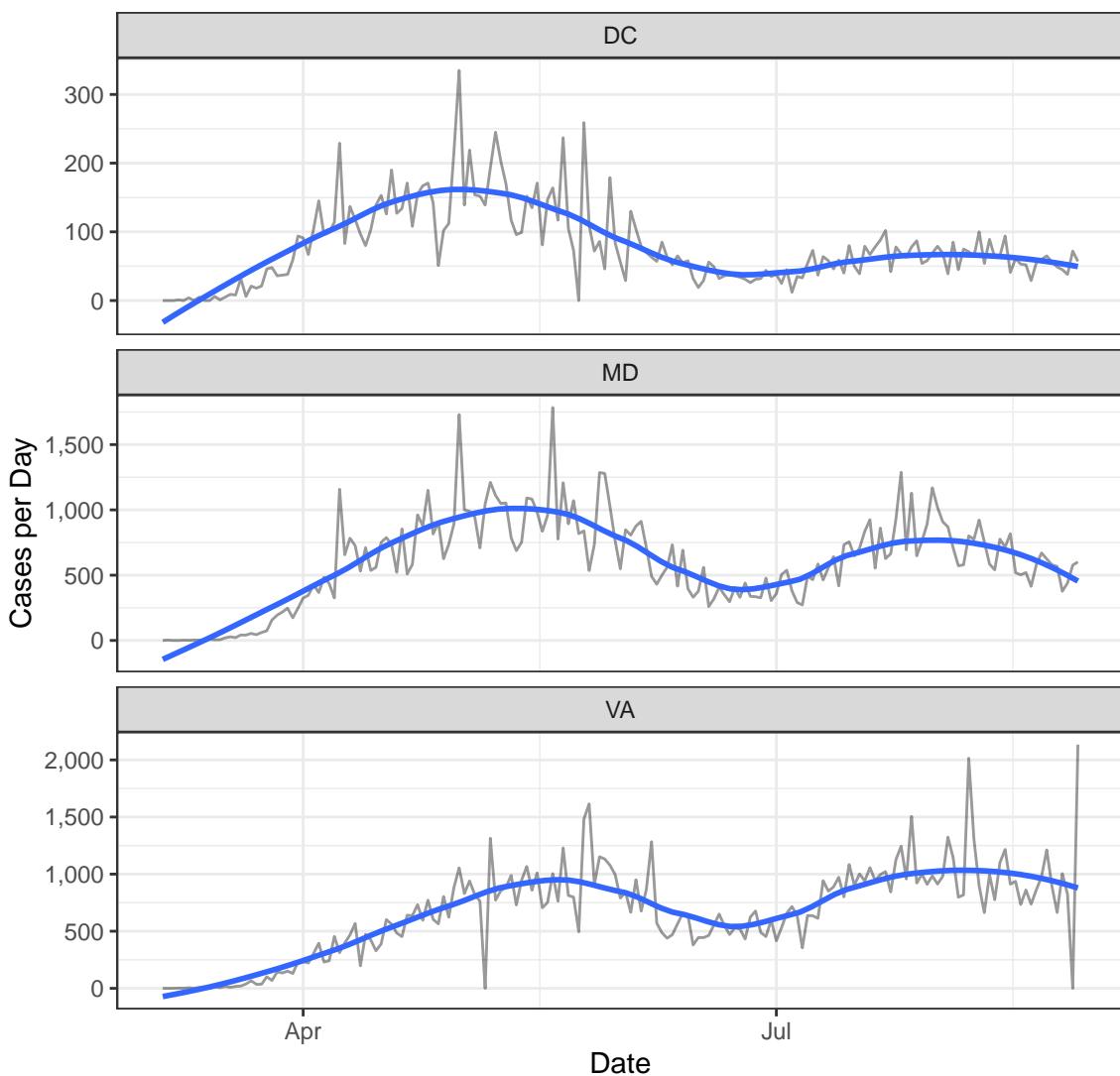




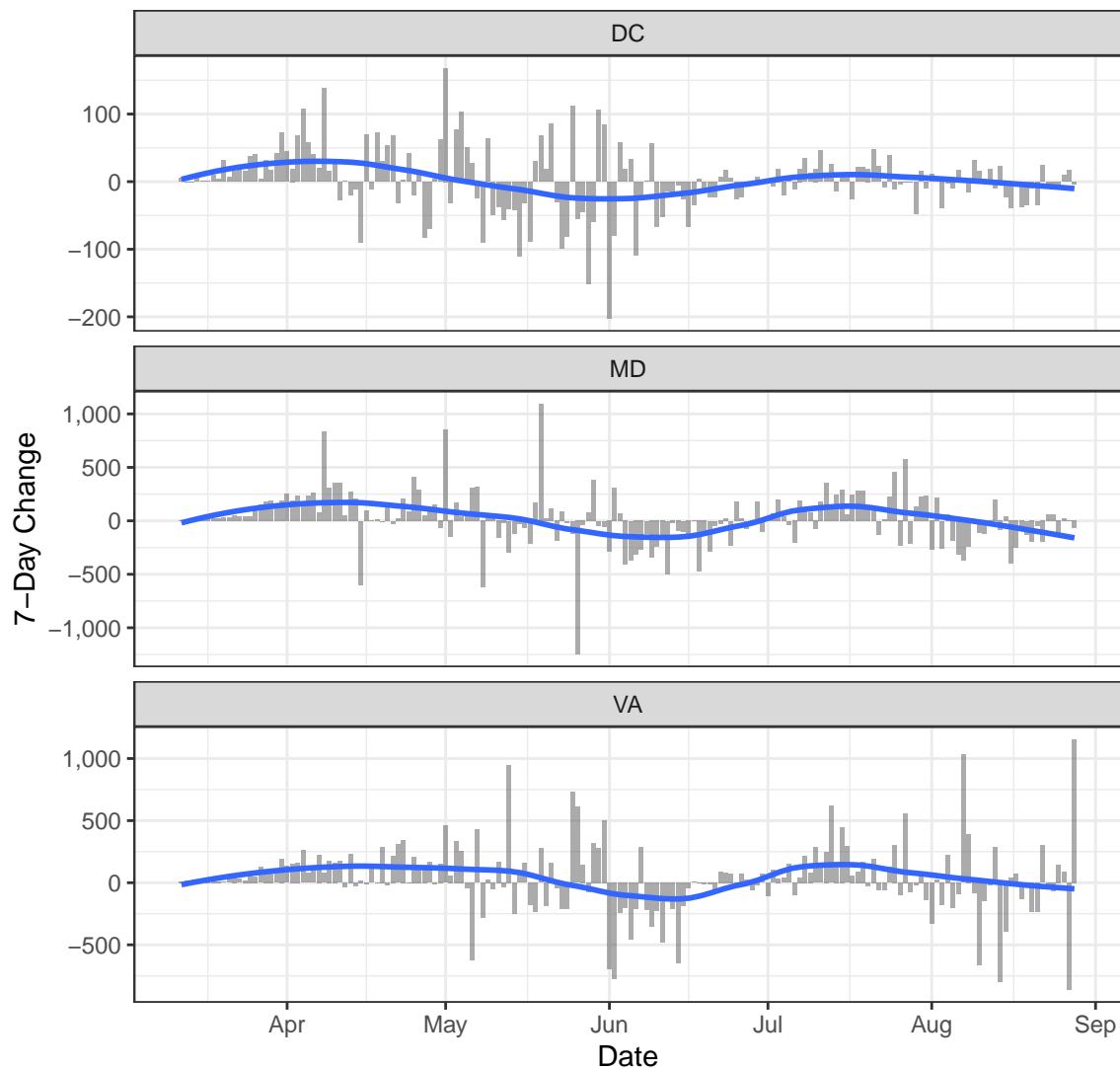
Cases

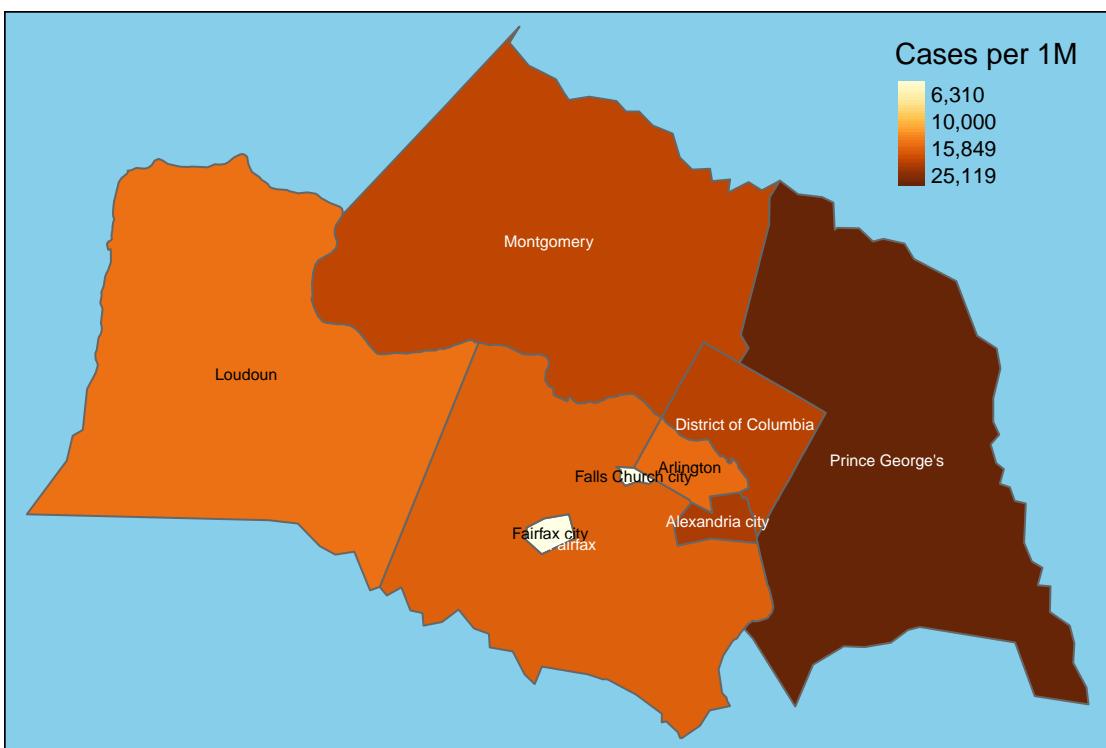
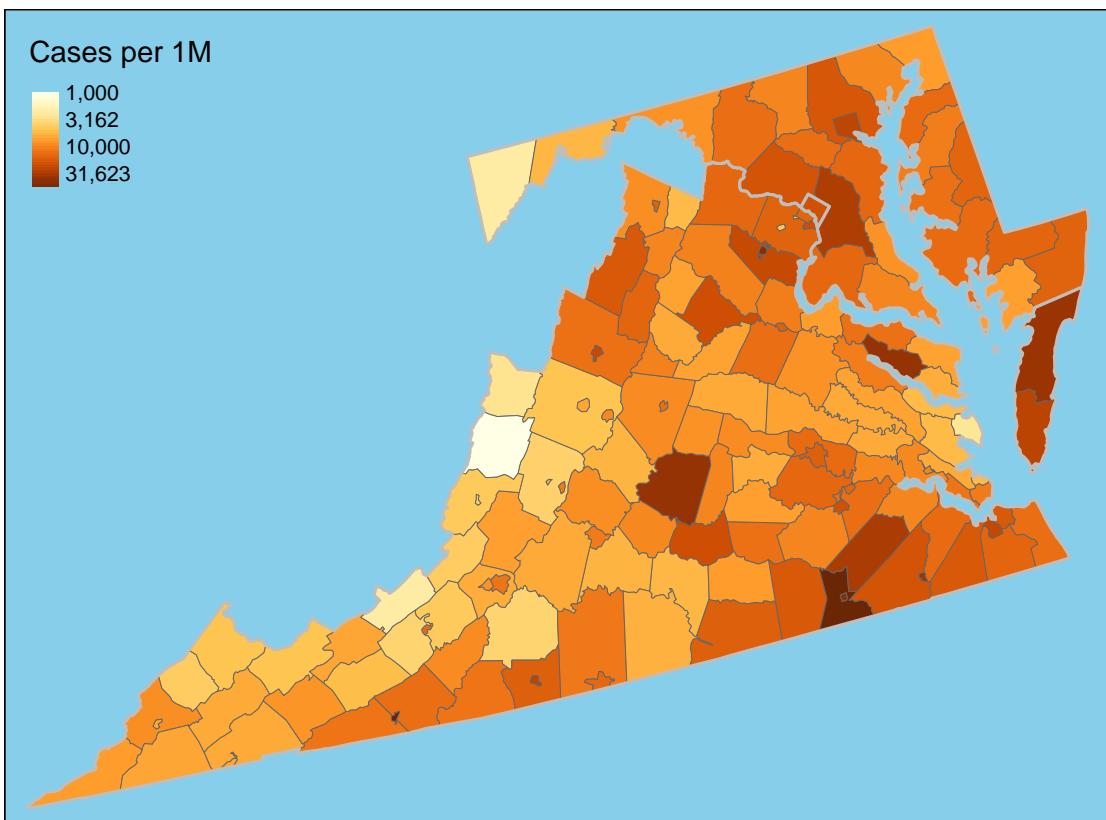


## New Cases

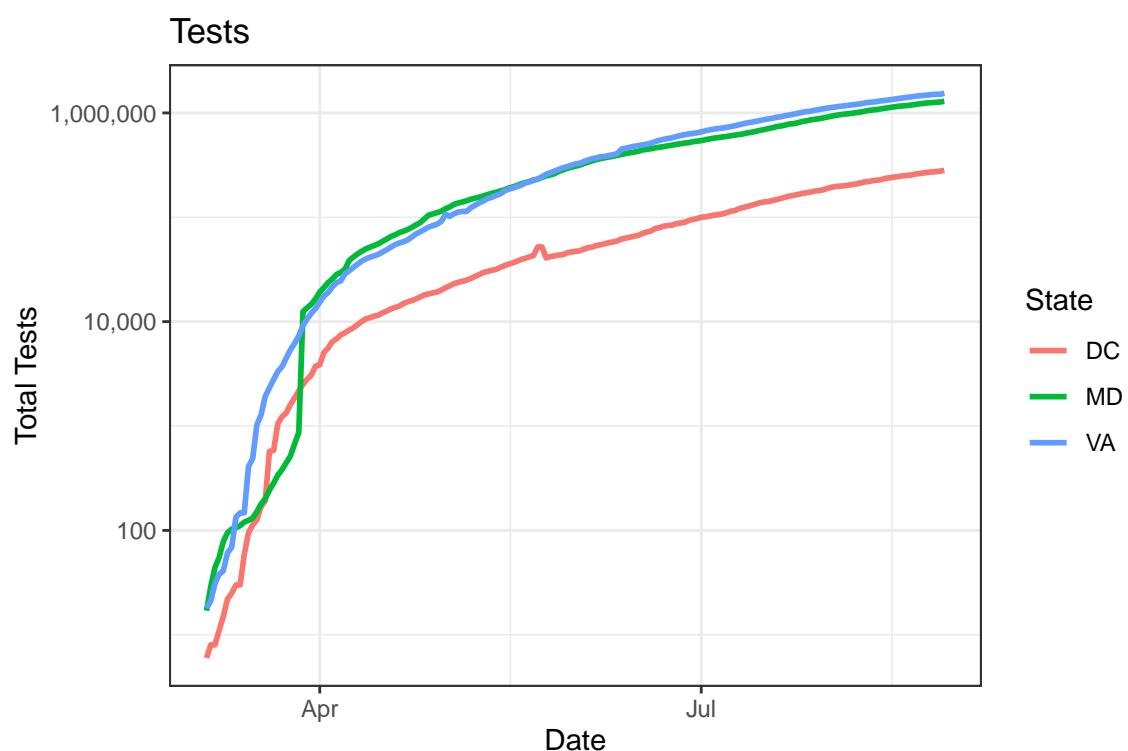


## One-Week Change in Daily Cases

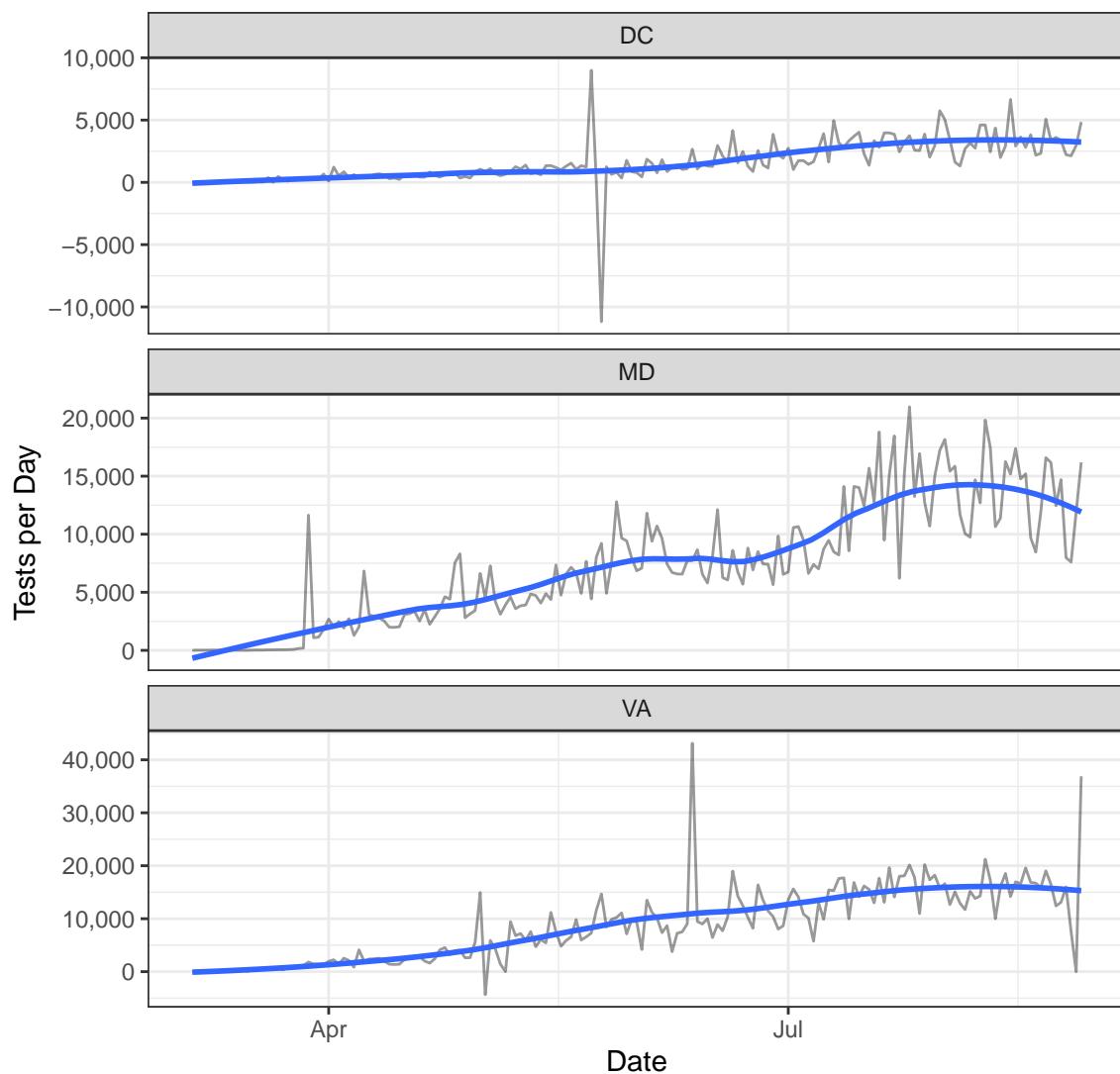




## Testing



## New Tests



## Positive Test Rate

