

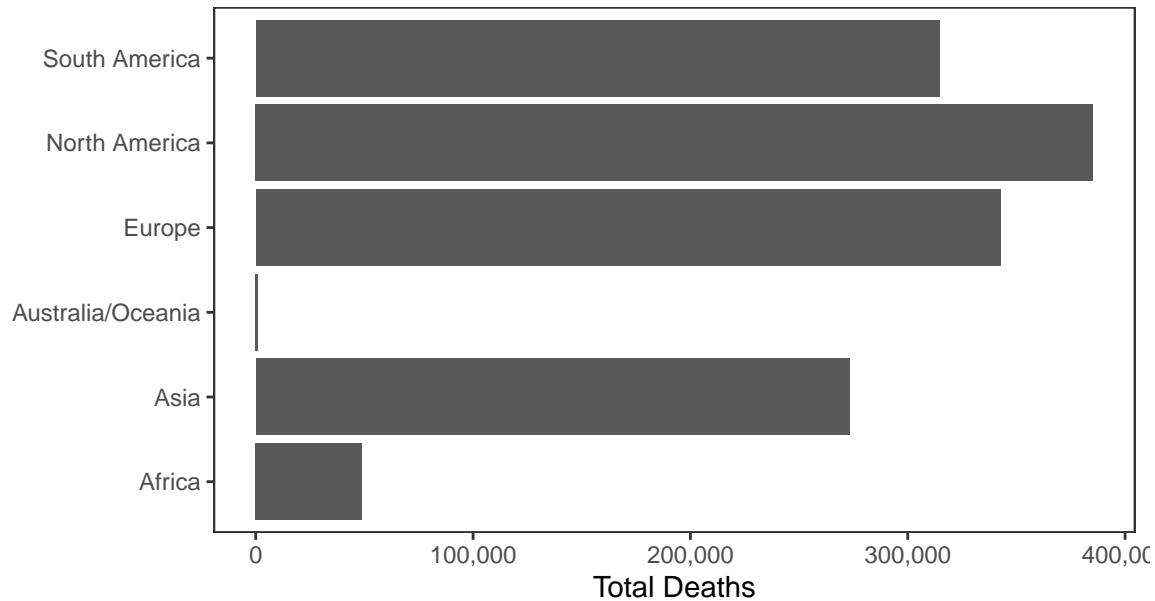
# Erik's Covid-19 Chart Pack

Data updated 2020-11-20 18:22:35. 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 57,235,639 confirmed Covid-19 cases and 1,365,722 deaths worldwide.

**Deaths**



**Cases**

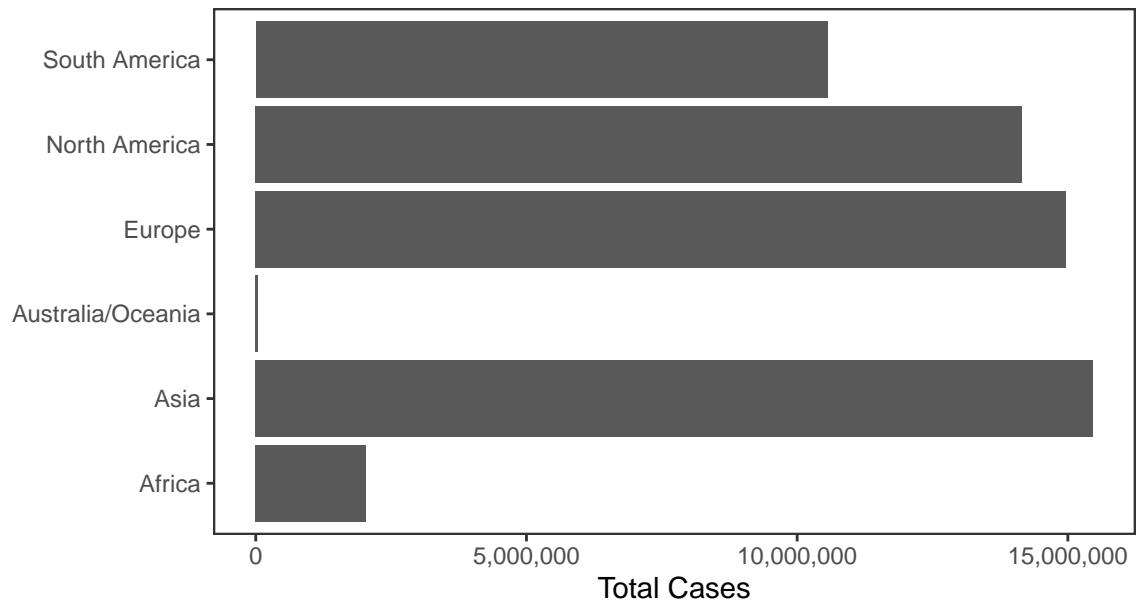
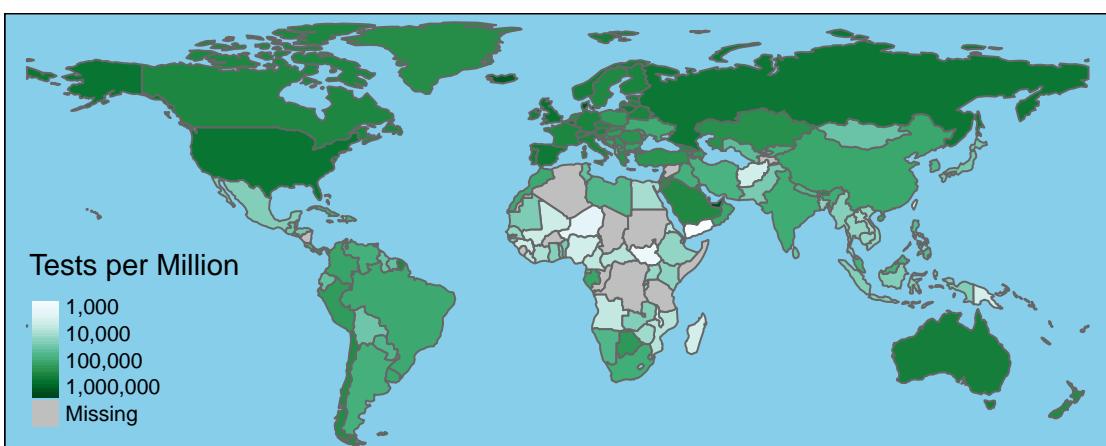
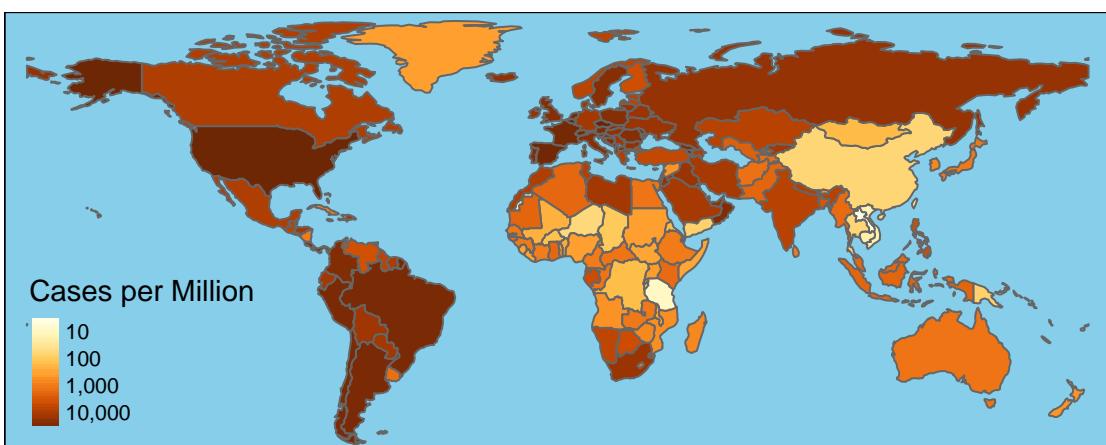
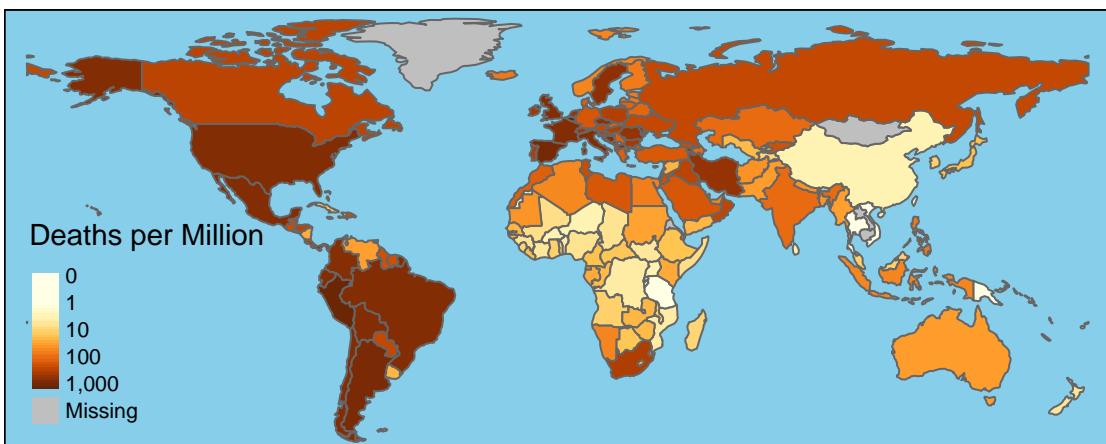


Table 1: Top Countries by Total Cases

| Country      | Cases      | Deaths  | New Cases | New Deaths |
|--------------|------------|---------|-----------|------------|
| USA          | 12,073,250 | 258,333 | 192,240   | 2,065      |
| India        | 9,004,325  | 132,202 | 46,182    | 584        |
| Brazil       | 5,983,089  | 168,141 | 35,686    | 644        |
| France       | 2,086,288  | 47,631  | 21,150    | 681        |
| Russia       | 2,015,608  | 34,850  | 23,610    | 463        |
| Spain        | 1,574,063  | 42,291  | 16,233    | 252        |
| UK           | 1,453,256  | 53,775  | 22,915    | 501        |
| Argentina    | 1,349,434  | 36,532  | 10,097    | 185        |
| Italy        | 1,308,525  | 47,870  | 36,173    | 653        |
| Colombia     | 1,225,490  | 34,761  | 7,487     | 198        |
| Mexico       | 1,015,071  | 99,528  | 3,918     | 502        |
| Peru         | 943,917    | 35,446  | 1,966     | 44         |
| Germany      | 878,209    | 13,788  | 23,676    | 296        |
| Iran         | 815,117    | 43,417  | 13,223    | 476        |
| Poland       | 796,798    | 12,088  | 23,975    | 637        |
| South Africa | 759,658    | 20,671  | 2,514     | 115        |
| Ukraine      | 583,510    | 10,369  | 13,357    | 257        |
| Belgium      | 545,787    | 15,025  | 5,182     | 186        |
| Chile        | 536,012    | 14,955  | 1,454     | 58         |
| Iraq         | 529,226    | 11,834  | 2,374     | 39         |



## National Data

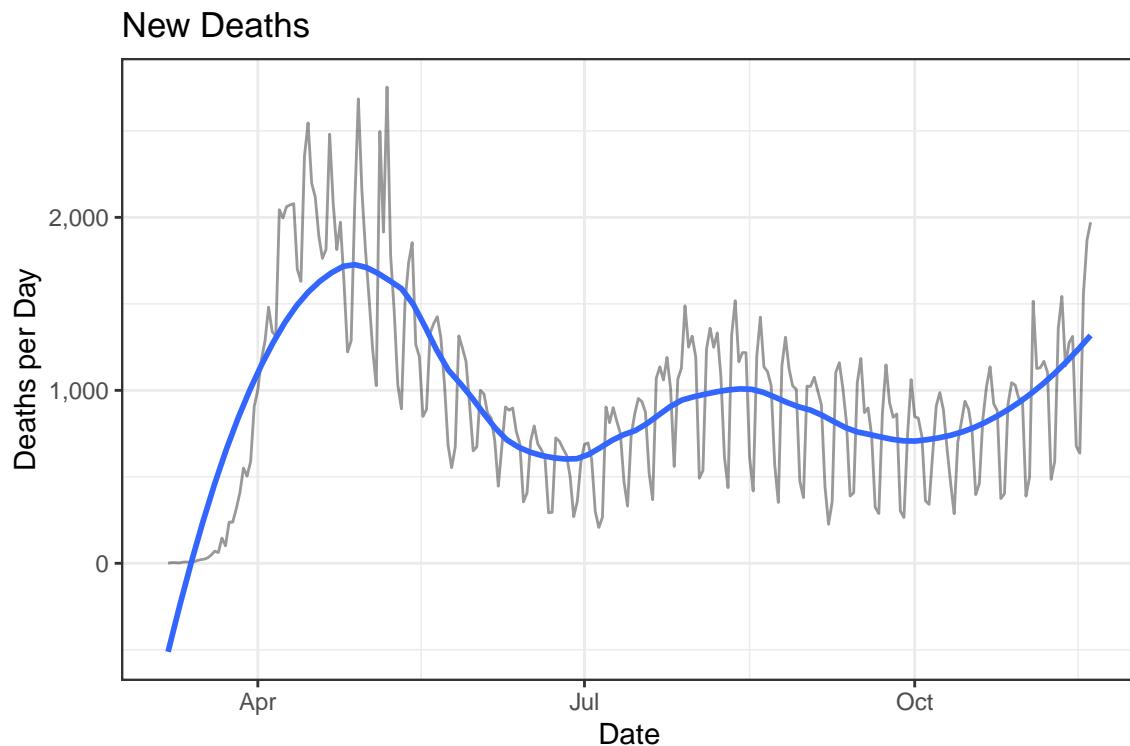
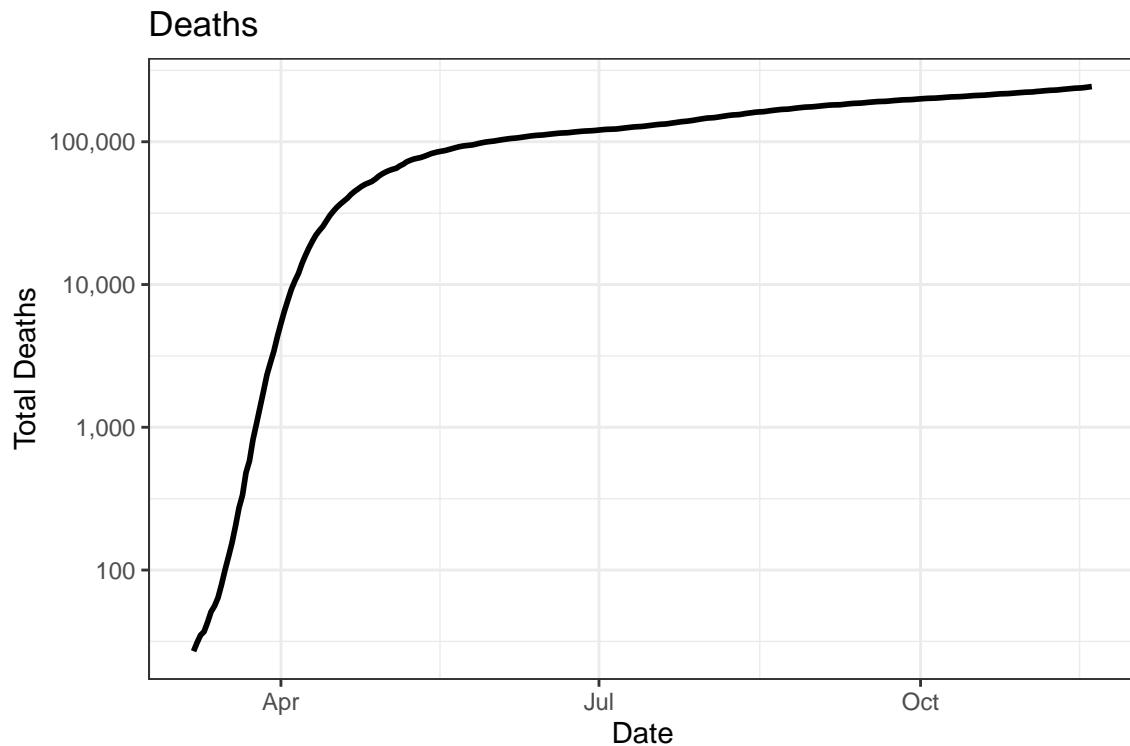
There have been 11,556,142 confirmed Covid-19 cases and 243,675 deaths in the United States.

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

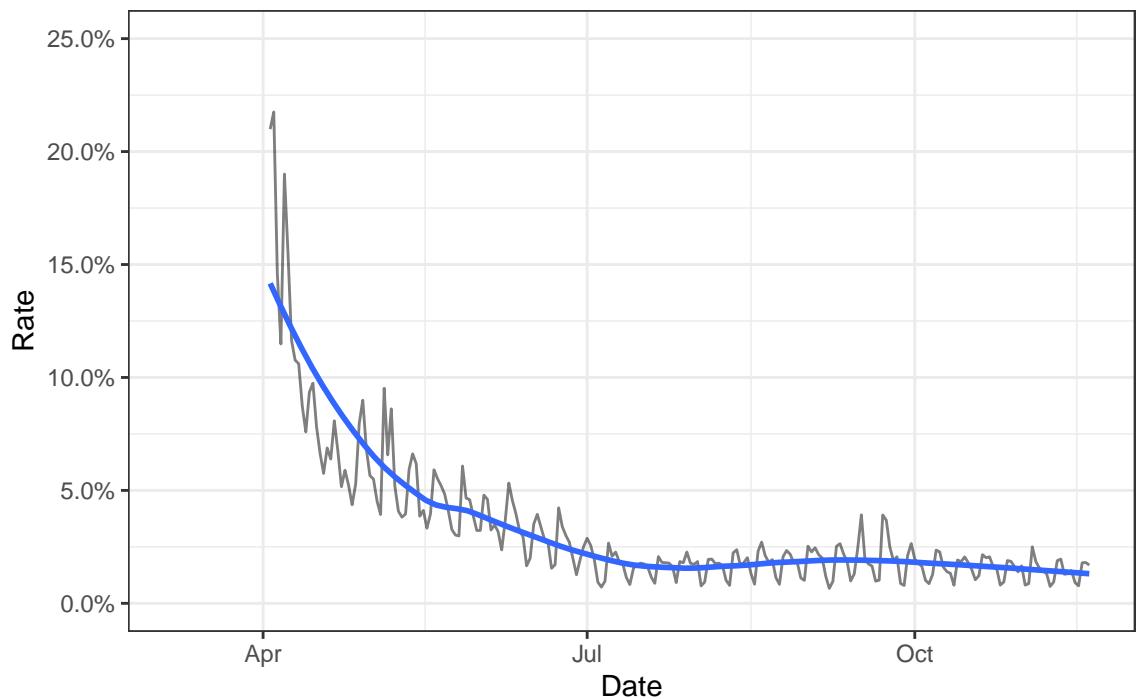
| Date       | Cases      | Deaths  | New Cases | New Deaths |
|------------|------------|---------|-----------|------------|
| 2020-11-19 | 11,556,142 | 243,675 | 182,832   | 1,971      |
| 2020-11-18 | 11,373,310 | 241,704 | 163,975   | 1,869      |
| 2020-11-17 | 11,209,335 | 239,835 | 156,722   | 1,555      |
| 2020-11-16 | 11,052,613 | 238,280 | 148,868   | 637        |
| 2020-11-15 | 10,903,745 | 237,643 | 144,434   | 677        |
| 2020-11-14 | 10,759,311 | 236,966 | 163,540   | 1,312      |
| 2020-11-13 | 10,595,771 | 235,654 | 172,106   | 1,275      |
| 2020-11-12 | 10,423,665 | 234,379 | 152,003   | 1,141      |
| 2020-11-11 | 10,271,662 | 233,238 | 144,801   | 1,543      |
| 2020-11-10 | 10,126,861 | 231,695 | 131,182   | 1,360      |
| 2020-11-09 | 9,995,679  | 230,335 | 119,432   | 589        |
| 2020-11-08 | 9,876,247  | 229,746 | 110,281   | 485        |
| 2020-11-07 | 9,765,966  | 229,261 | 129,215   | 1,104      |
| 2020-11-06 | 9,636,751  | 228,157 | 125,753   | 1,168      |

## Deaths

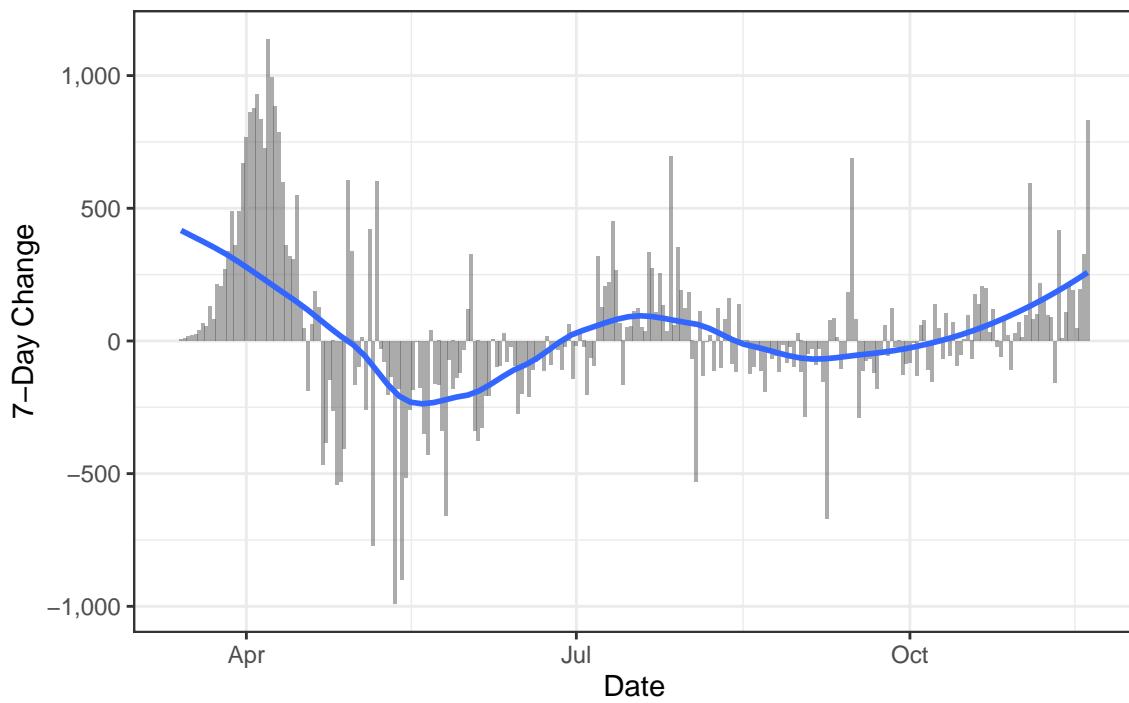
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

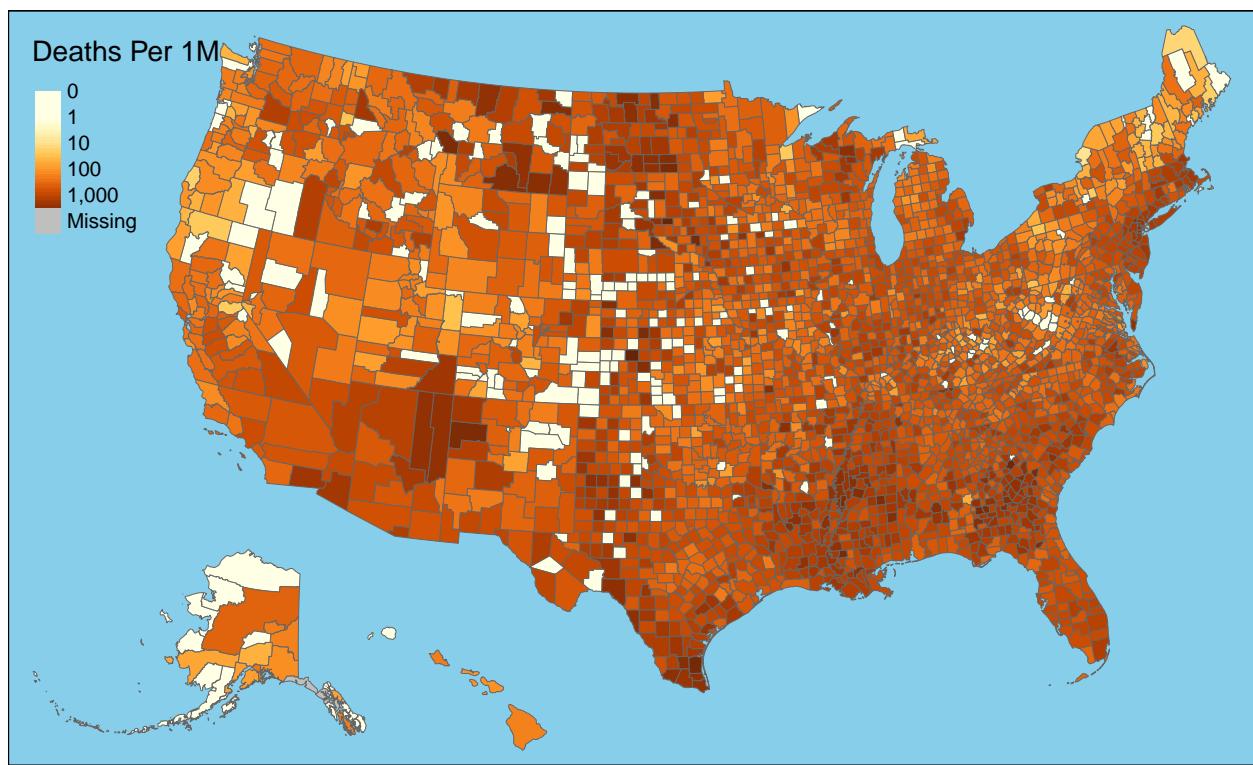


### Daily Case Mortality Rate



### One-Week Change in Daily Deaths

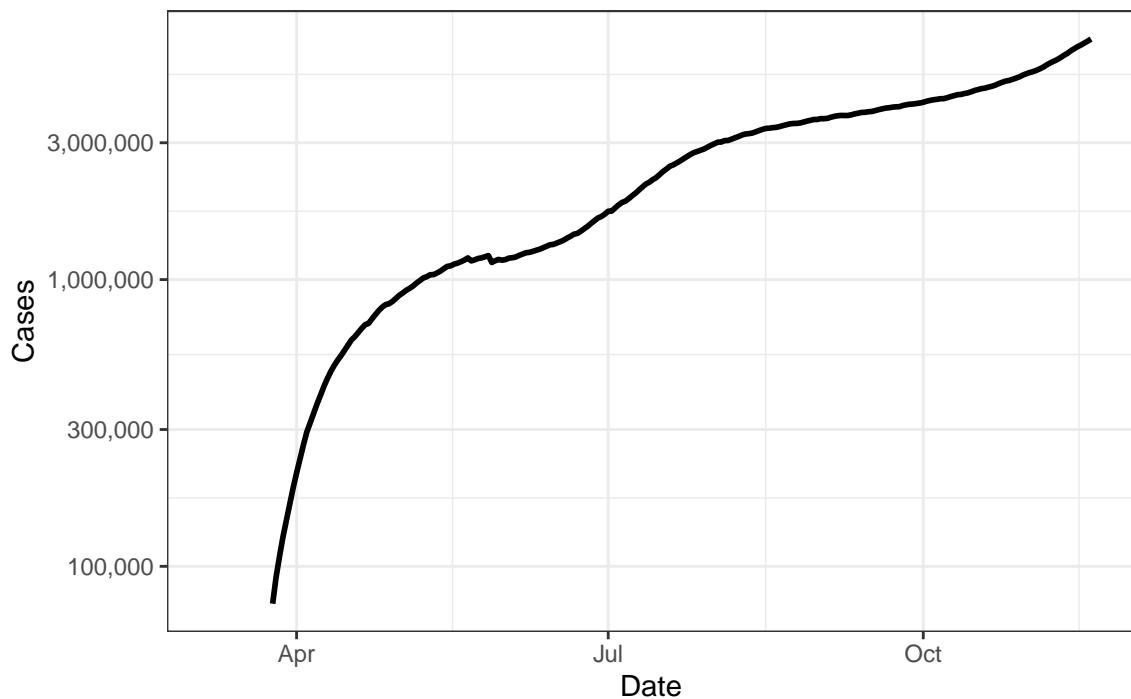




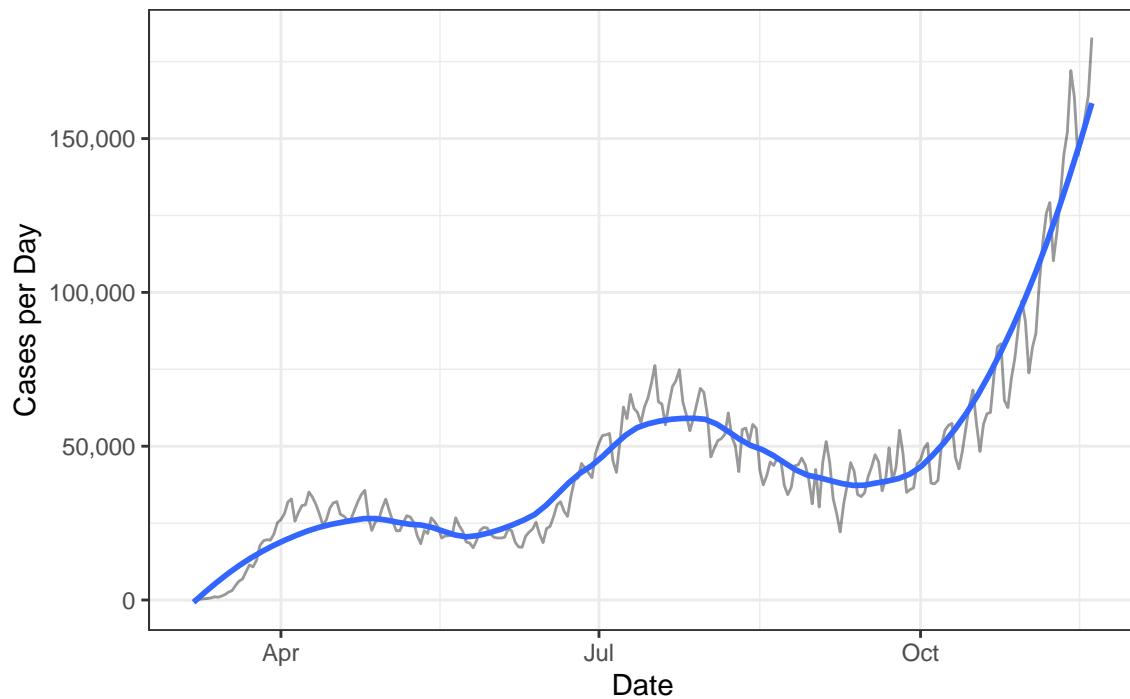
## Cases

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

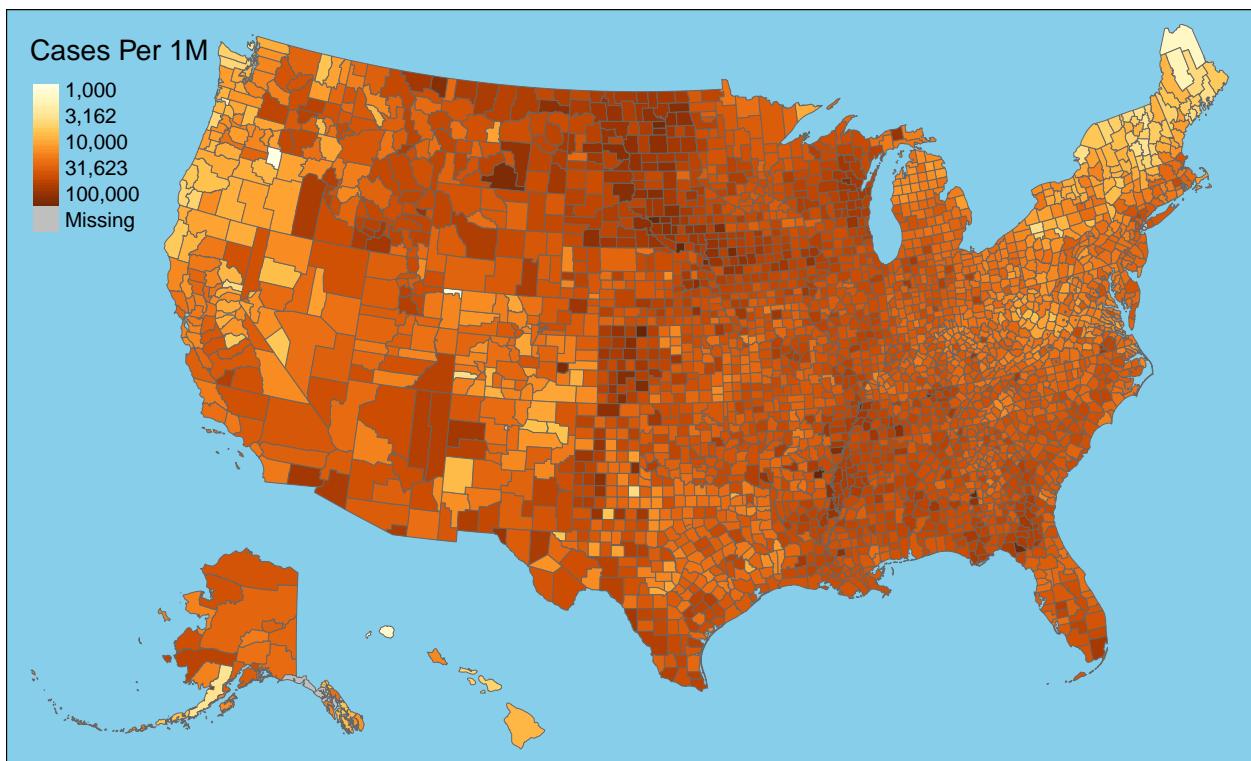
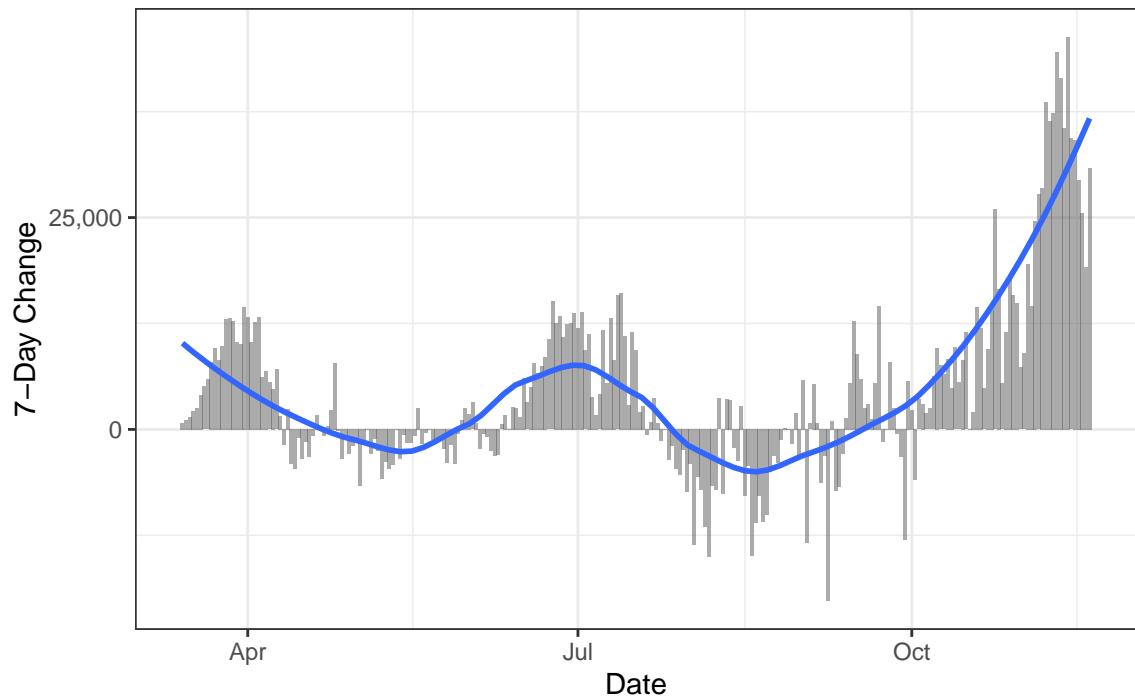
### Active Cases



### New Cases

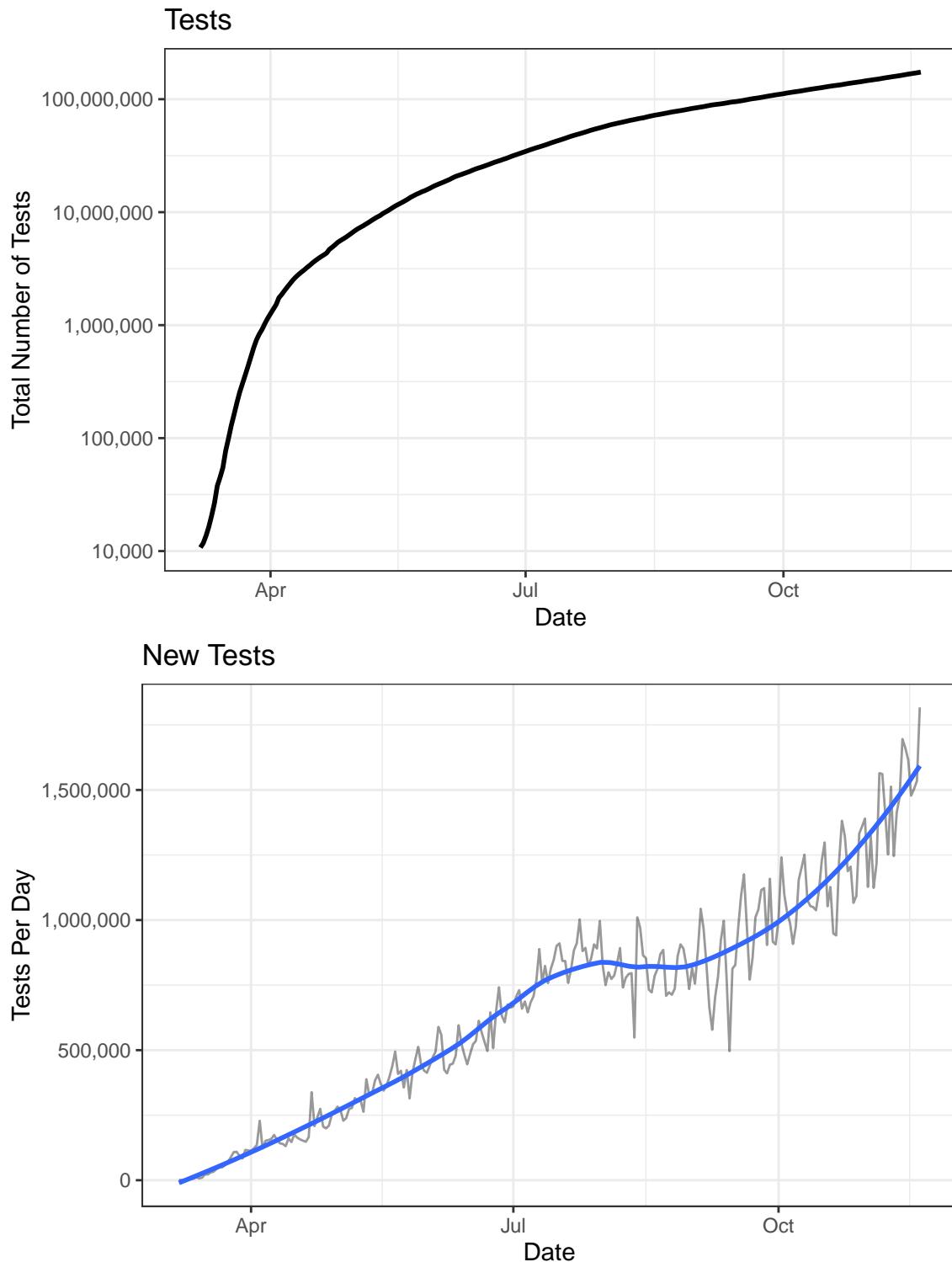


## One-Week Change in Daily Cases

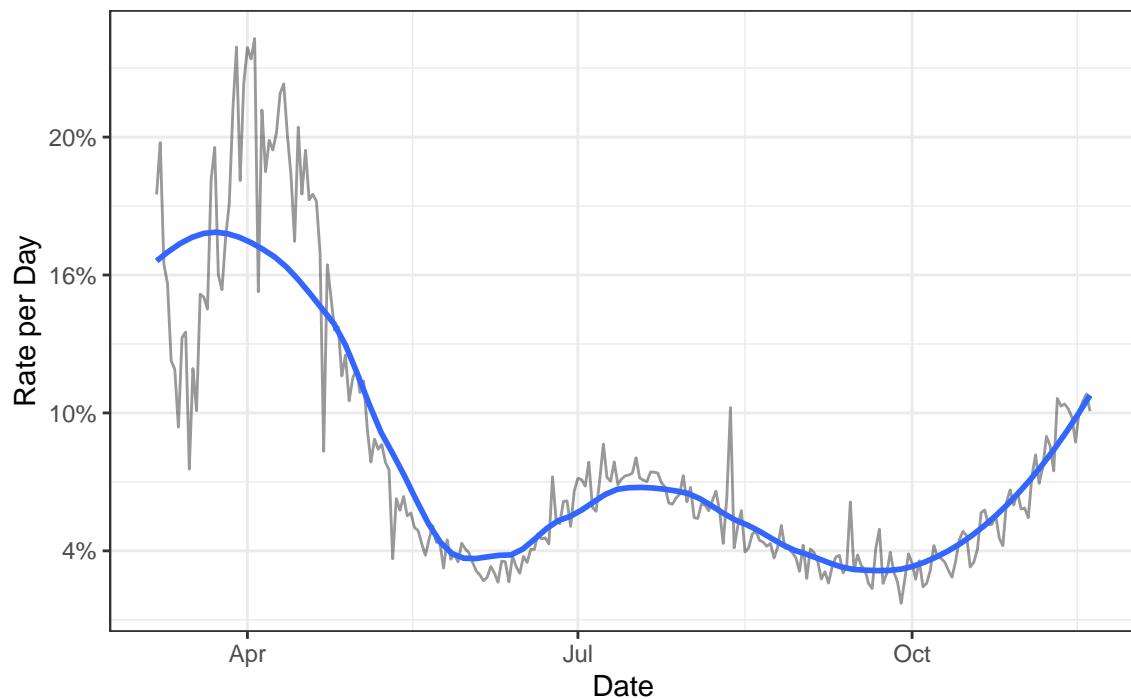


## Testing

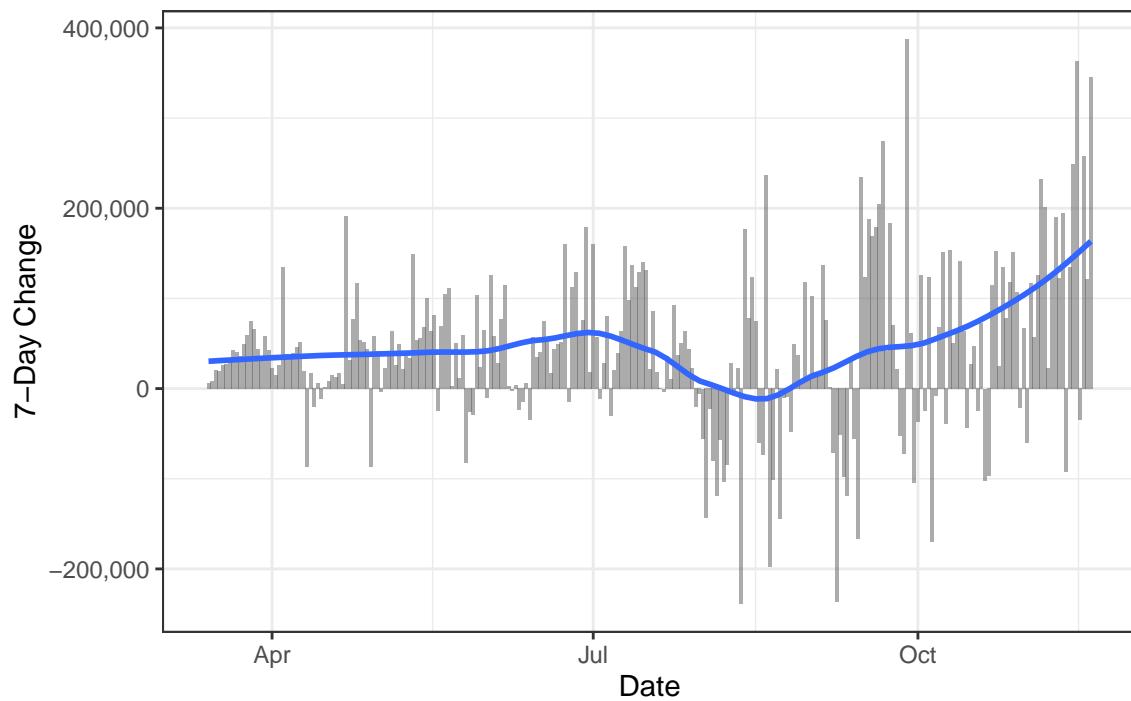
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted the virus. A high positive test rate indicates that testing capacity is constrained.



Positive Test Rate



One-Week Change in Daily Tests

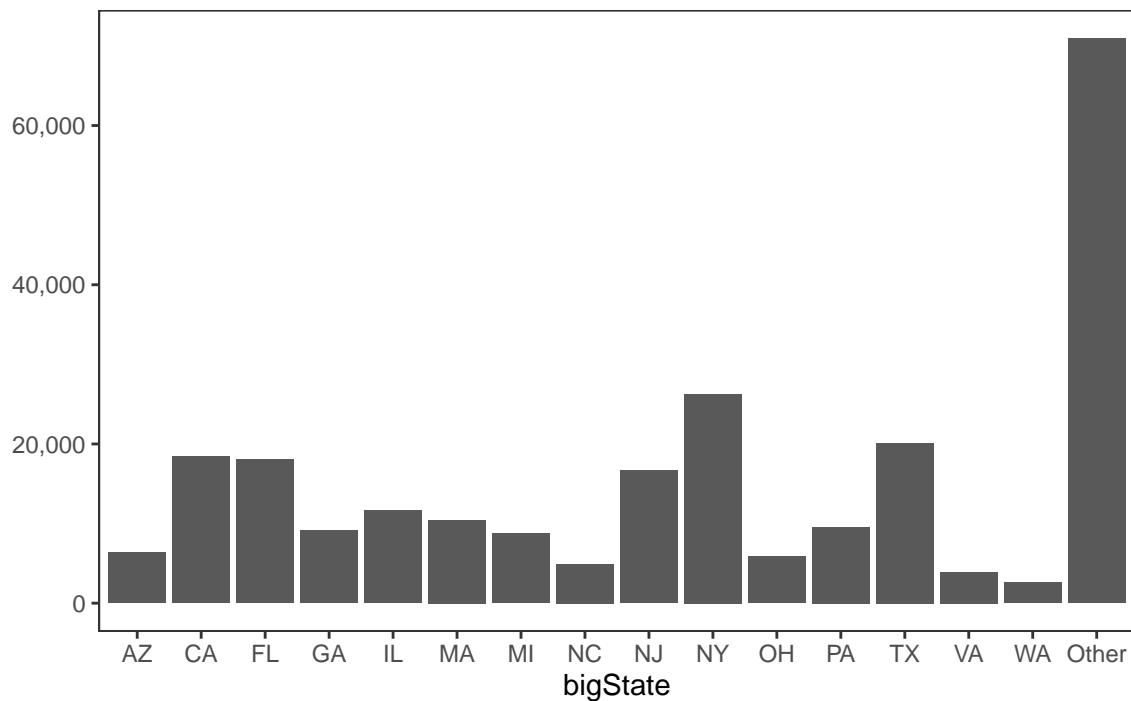


## State Data

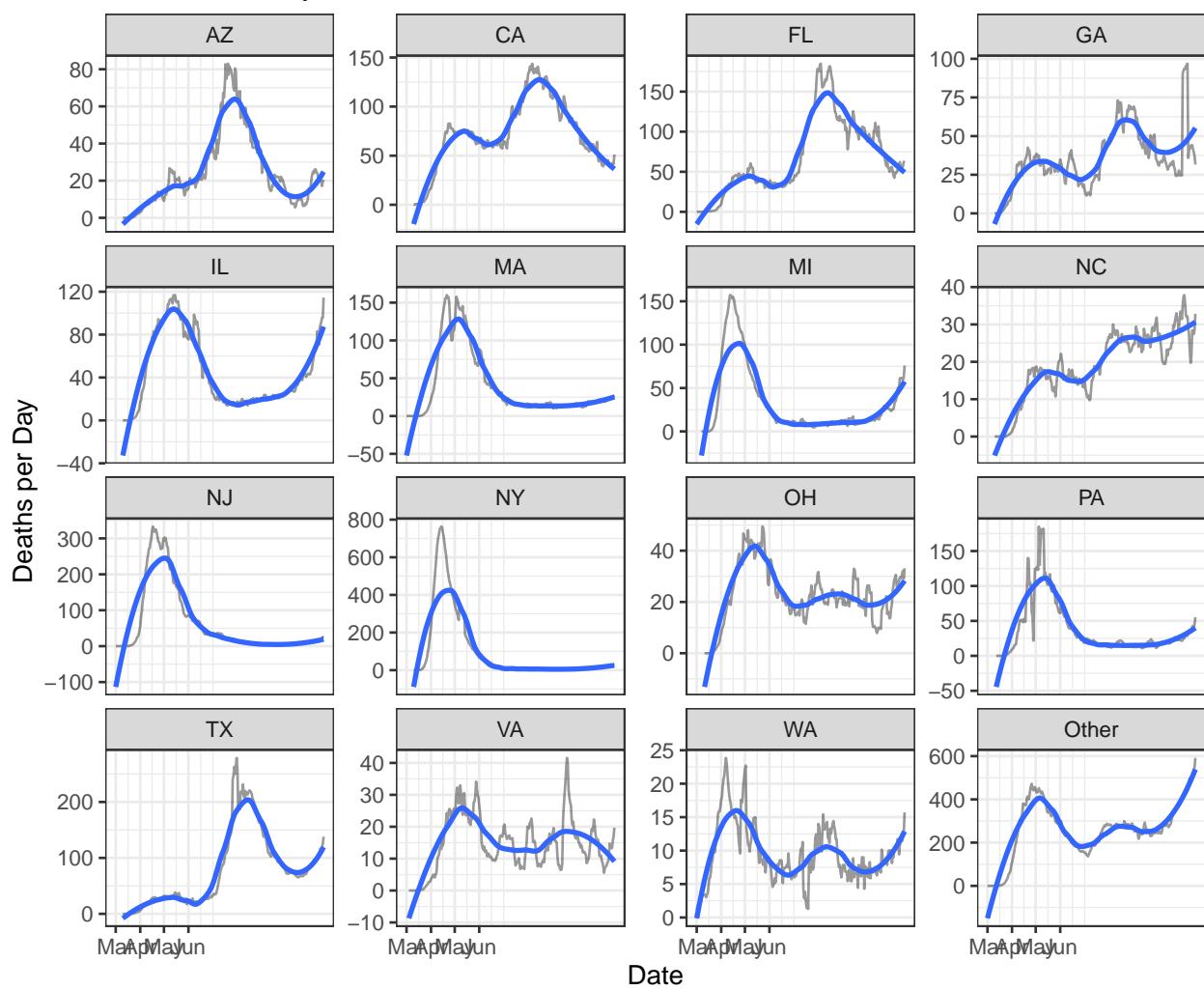
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

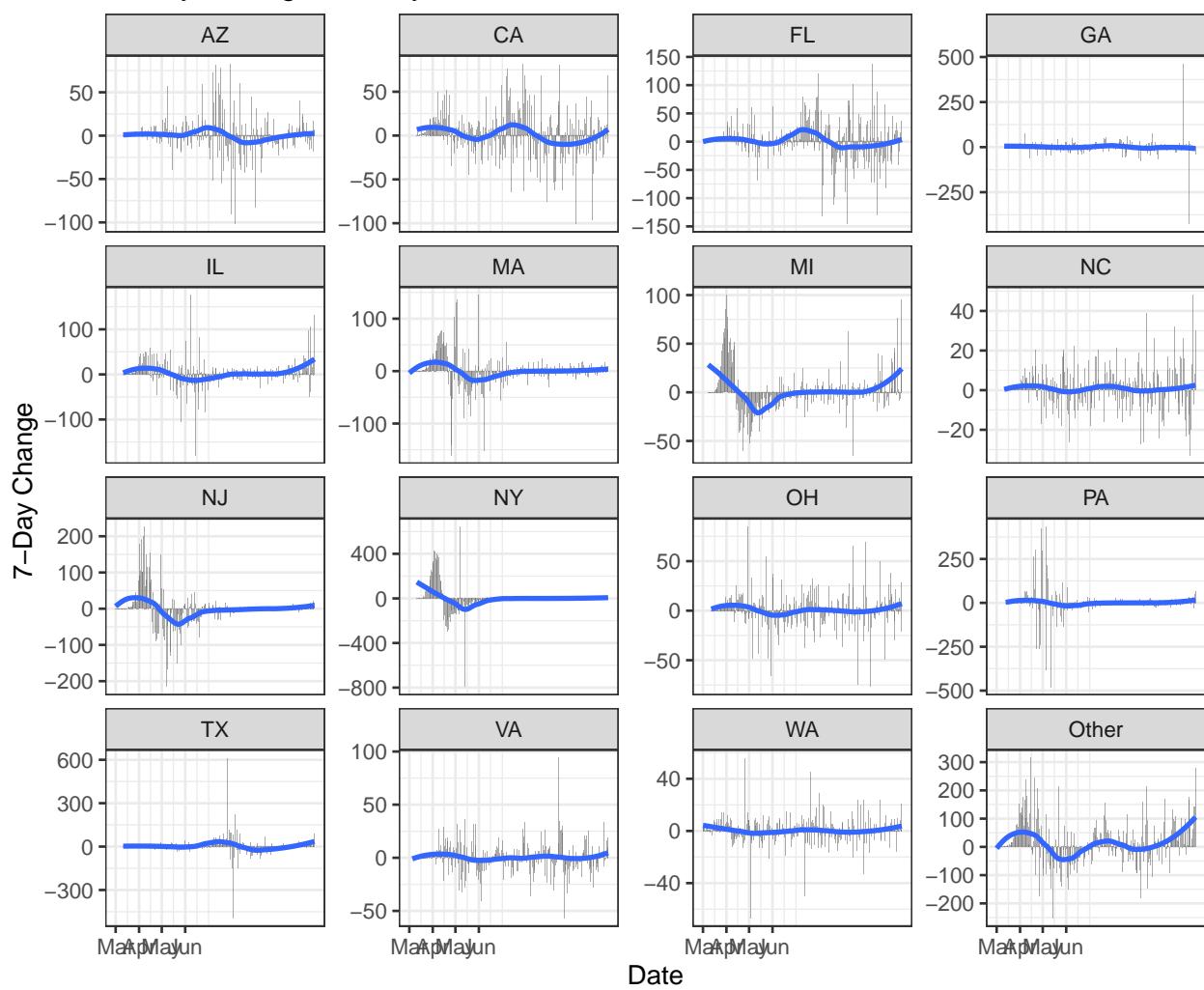
Deaths by State

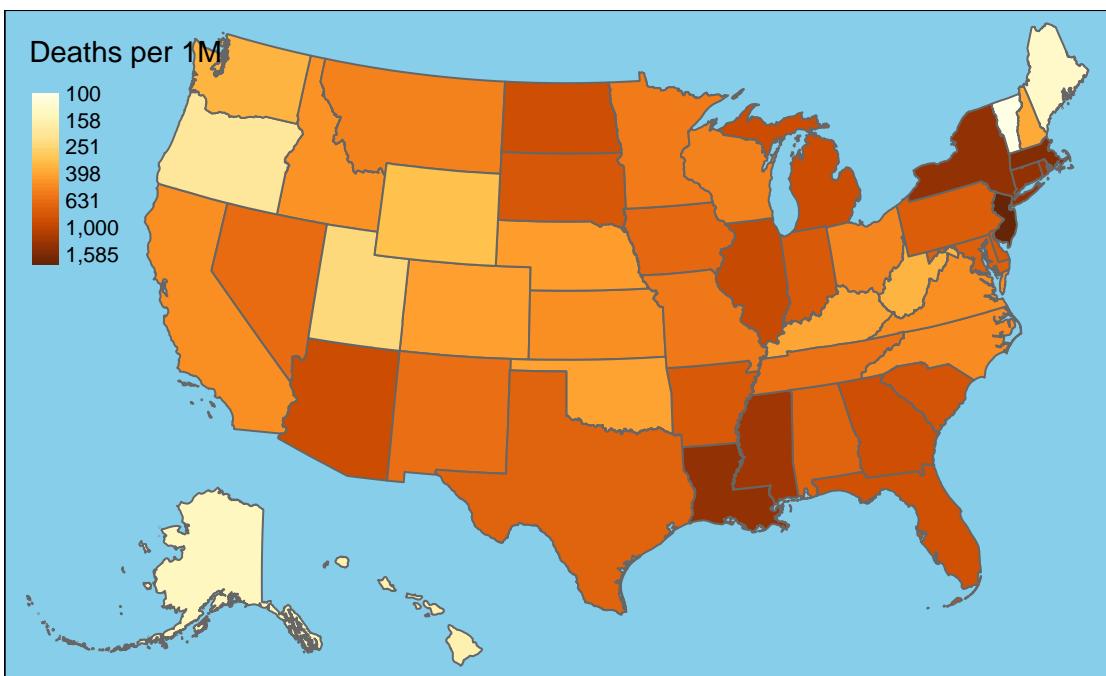
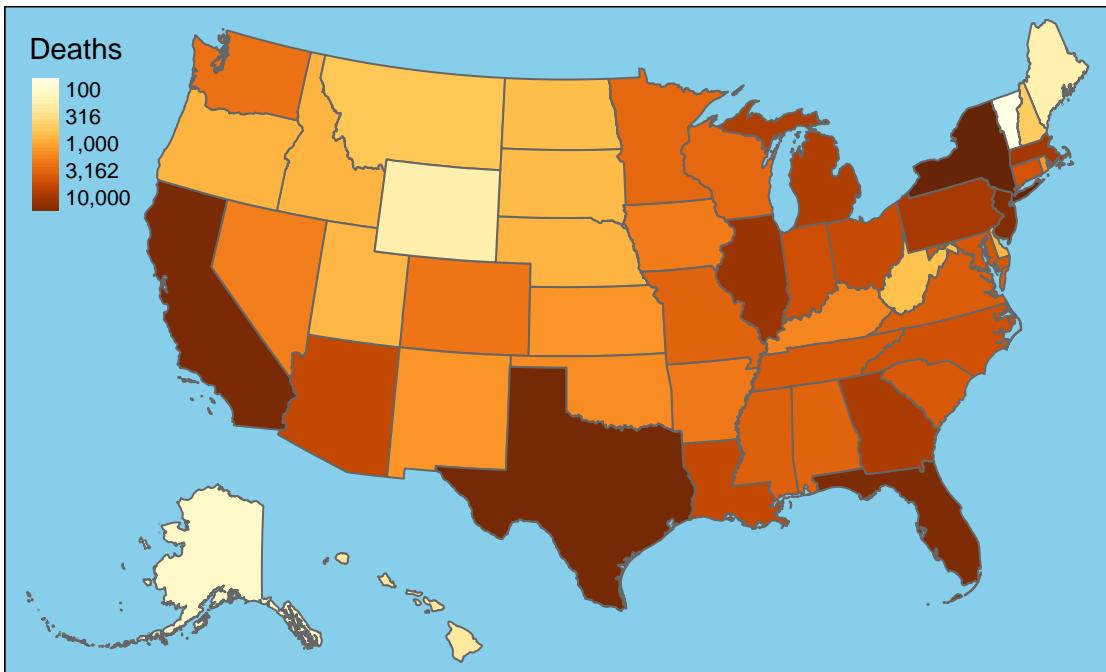


## New Deaths by State



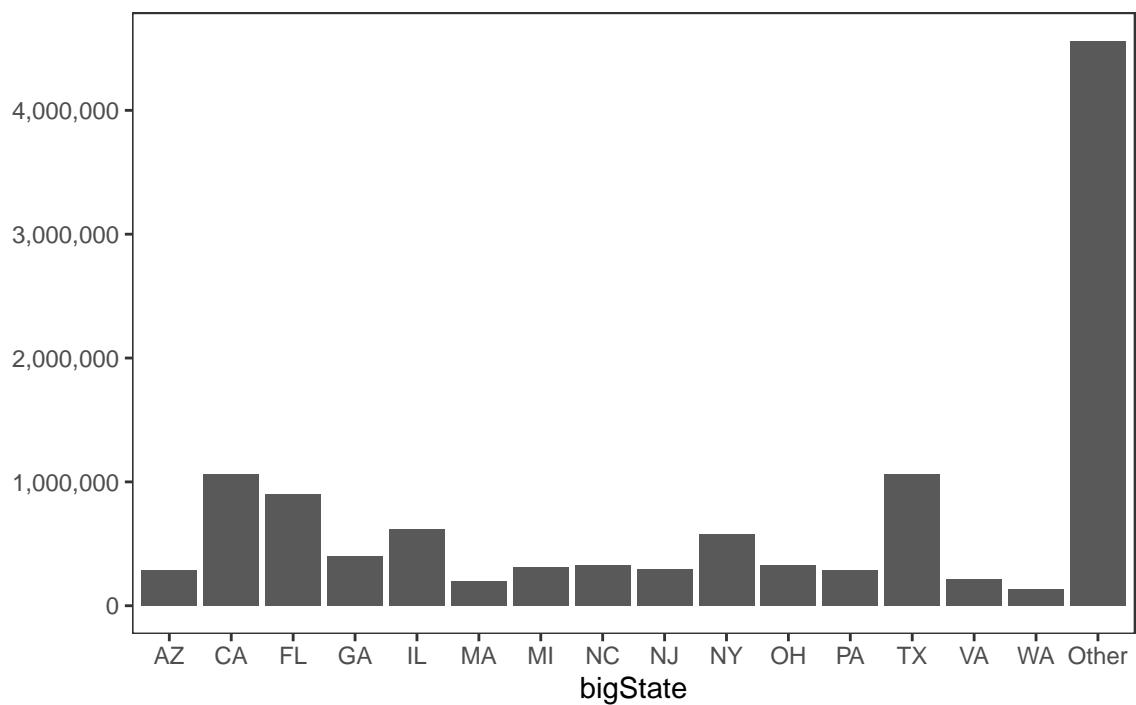
### 7-Day Change in Daily Deaths



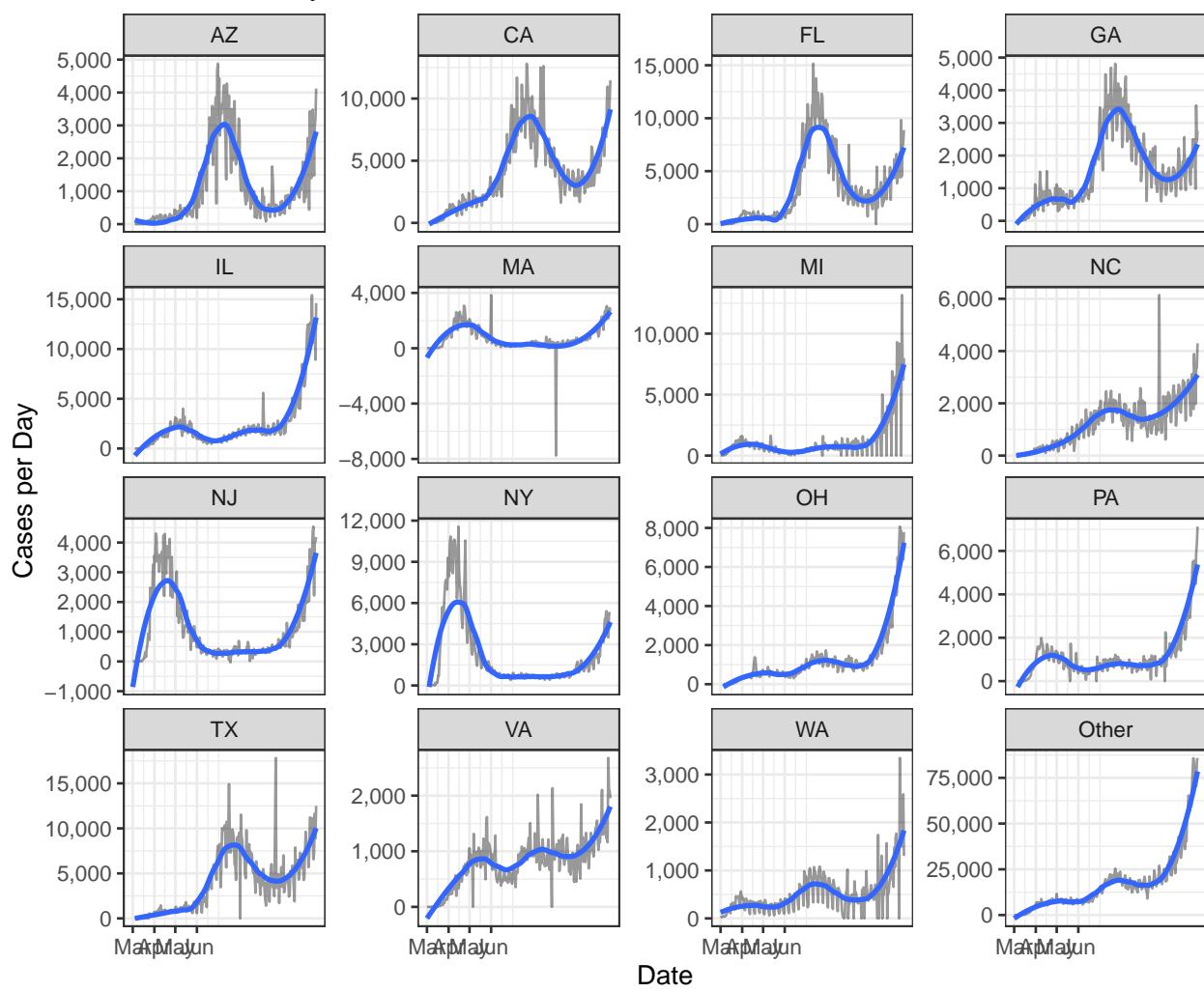


Cases

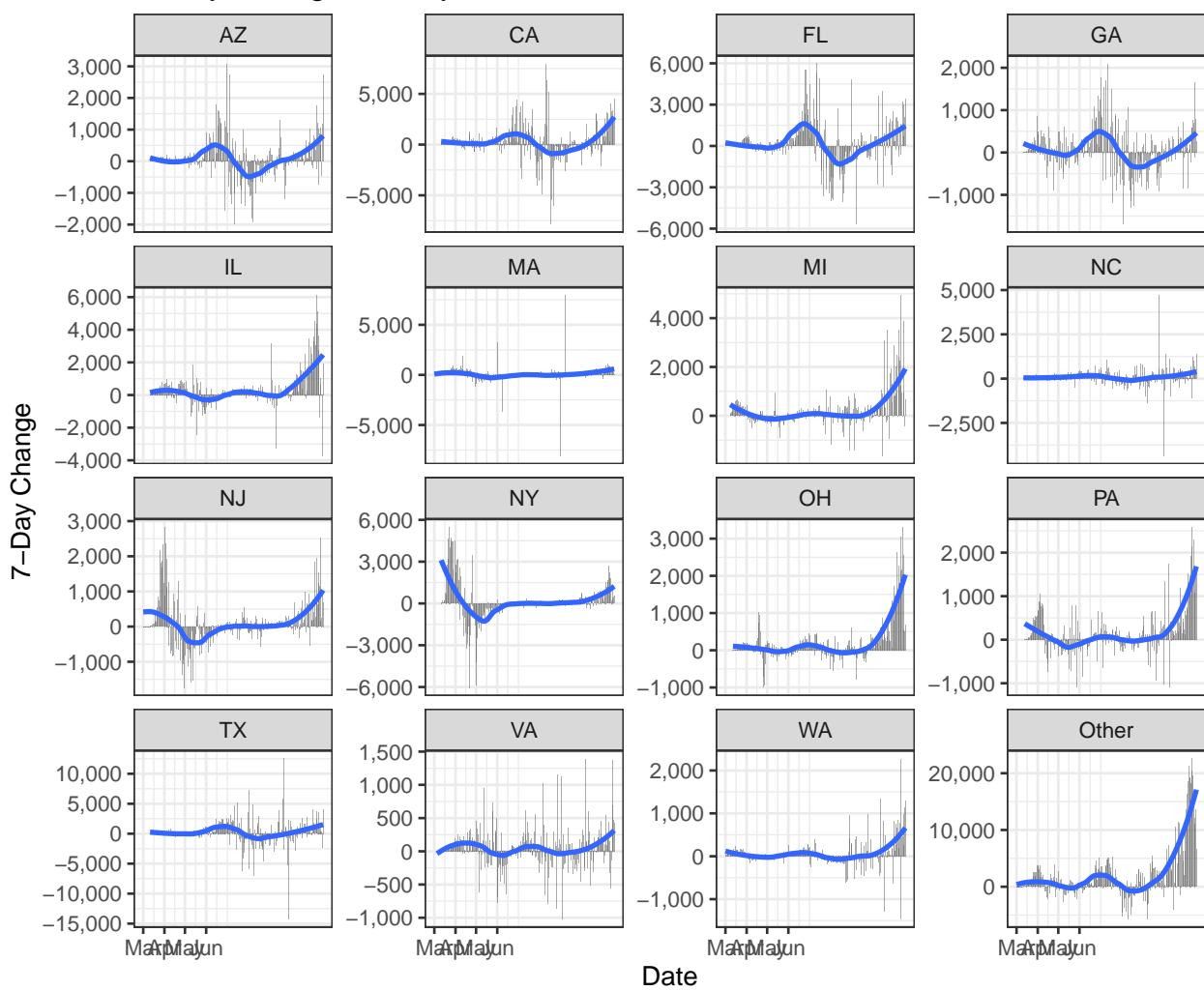
Cases by State

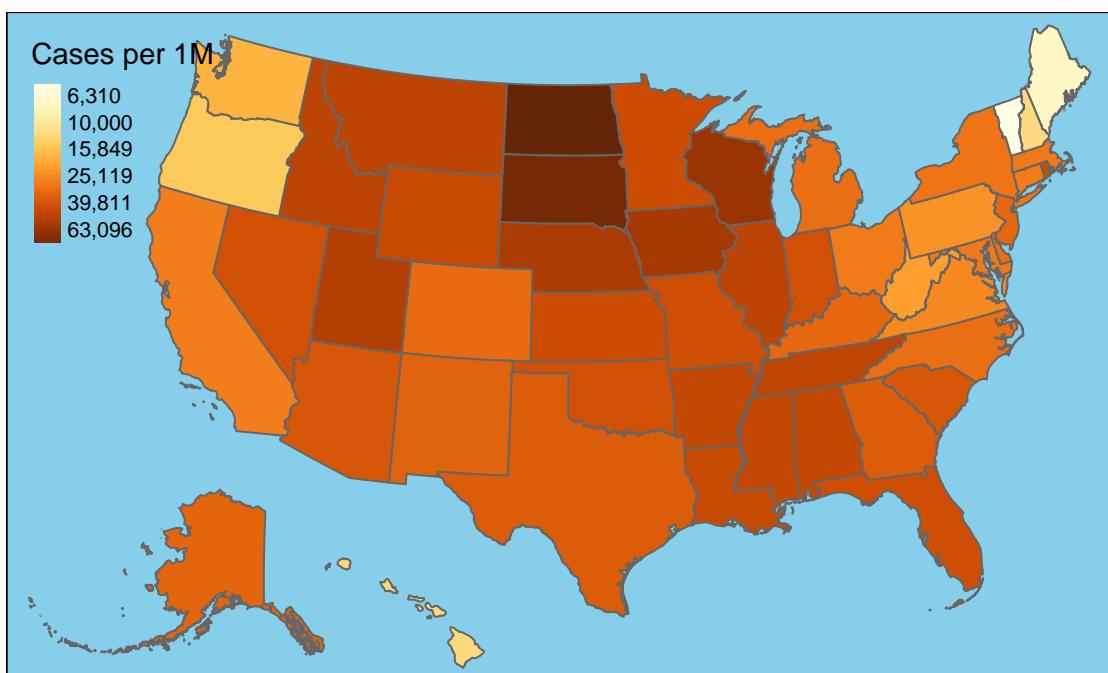
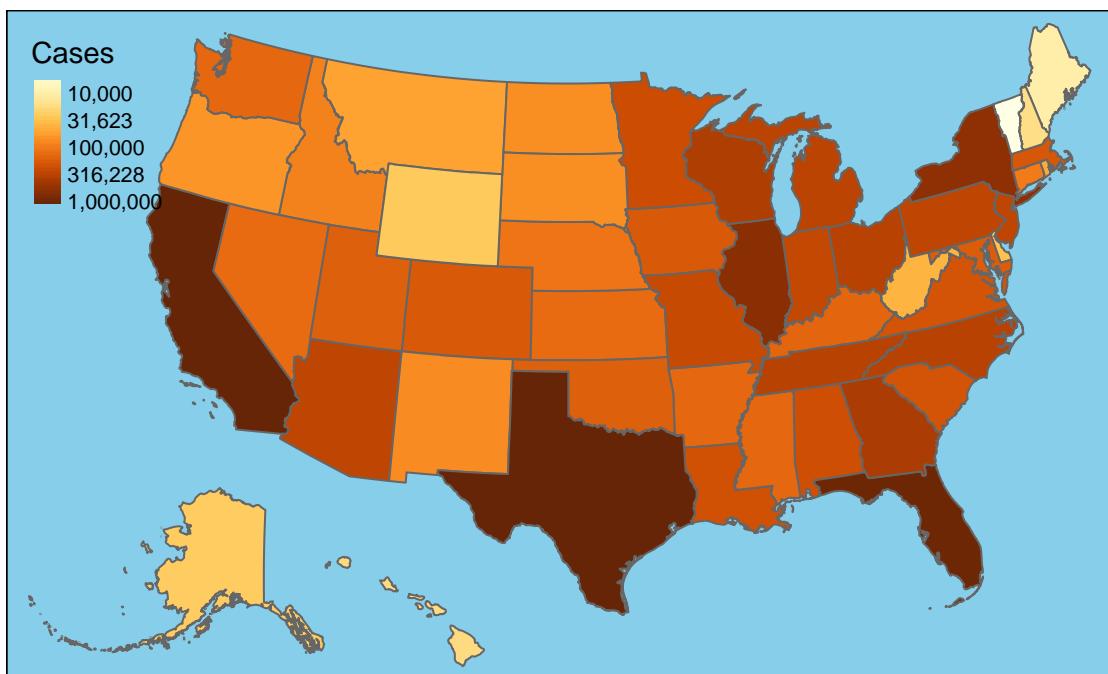


## New Cases by State

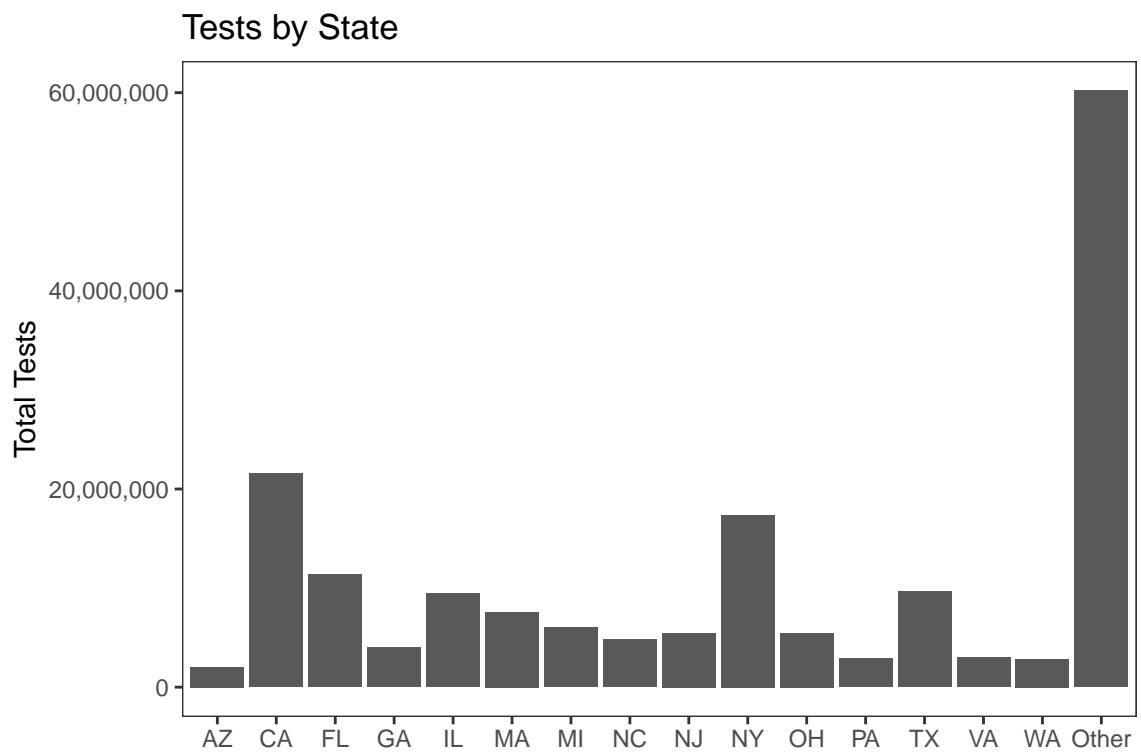


## 7-Day Change in Daily Cases

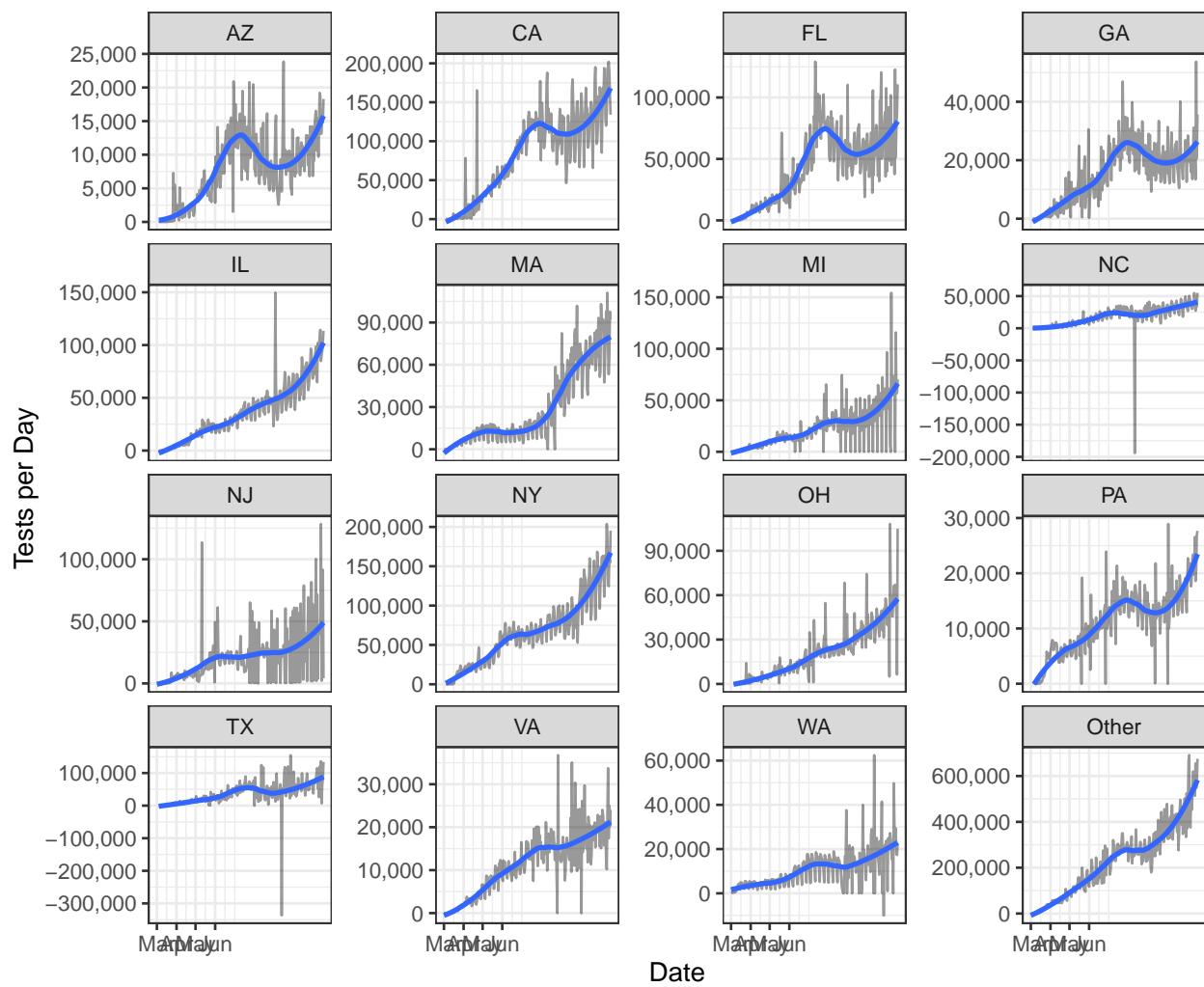


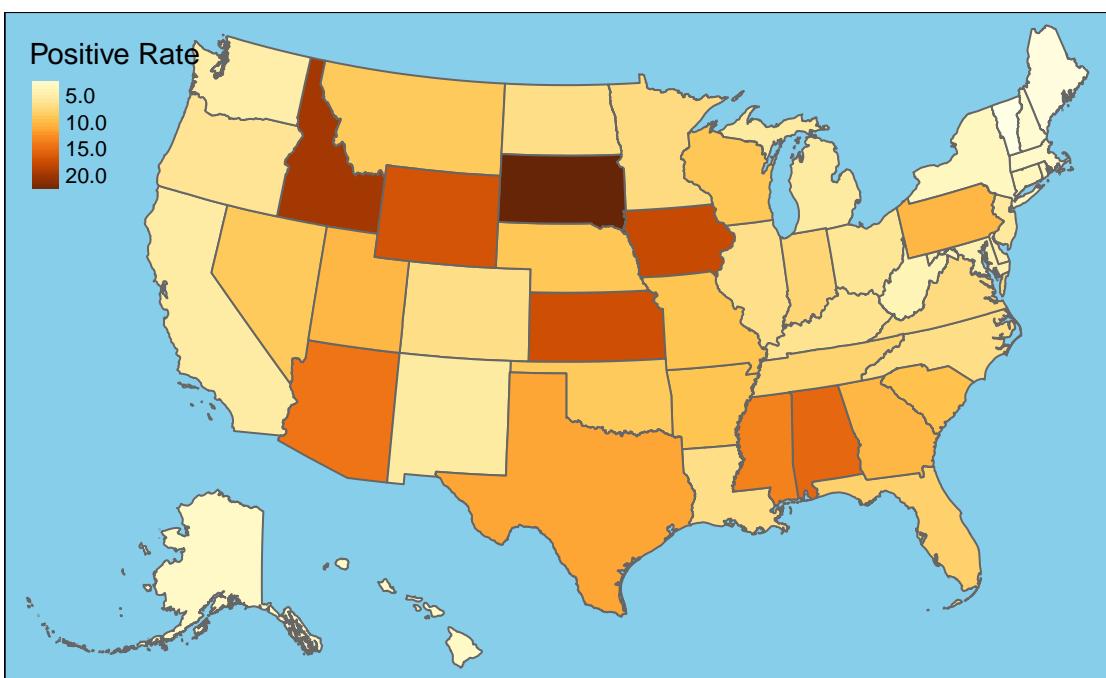
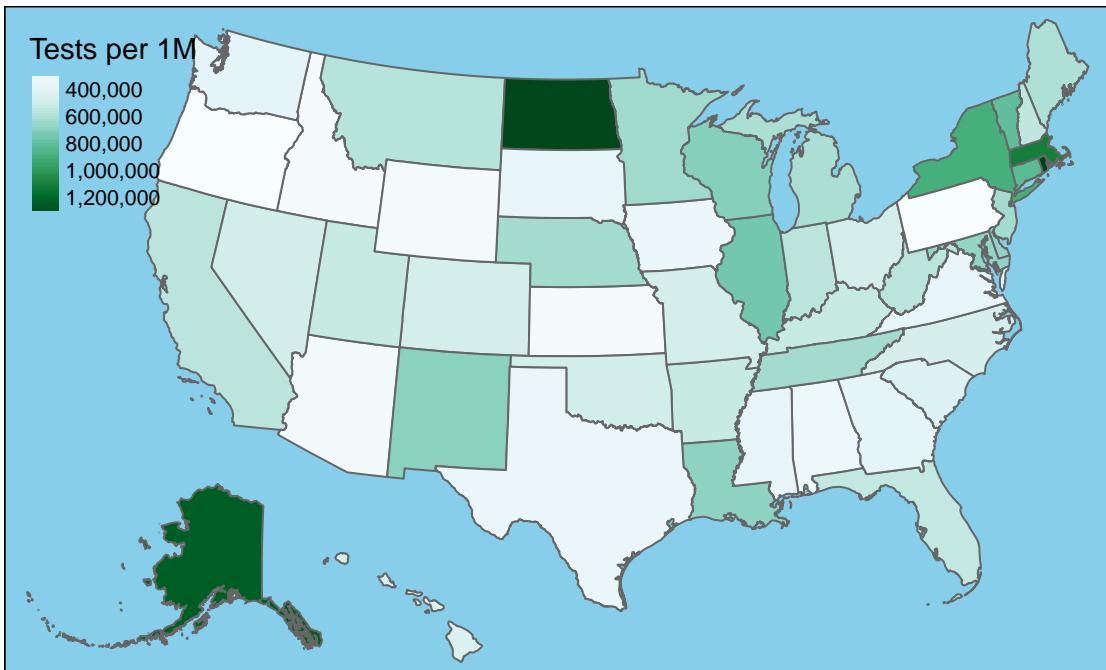


## Testing

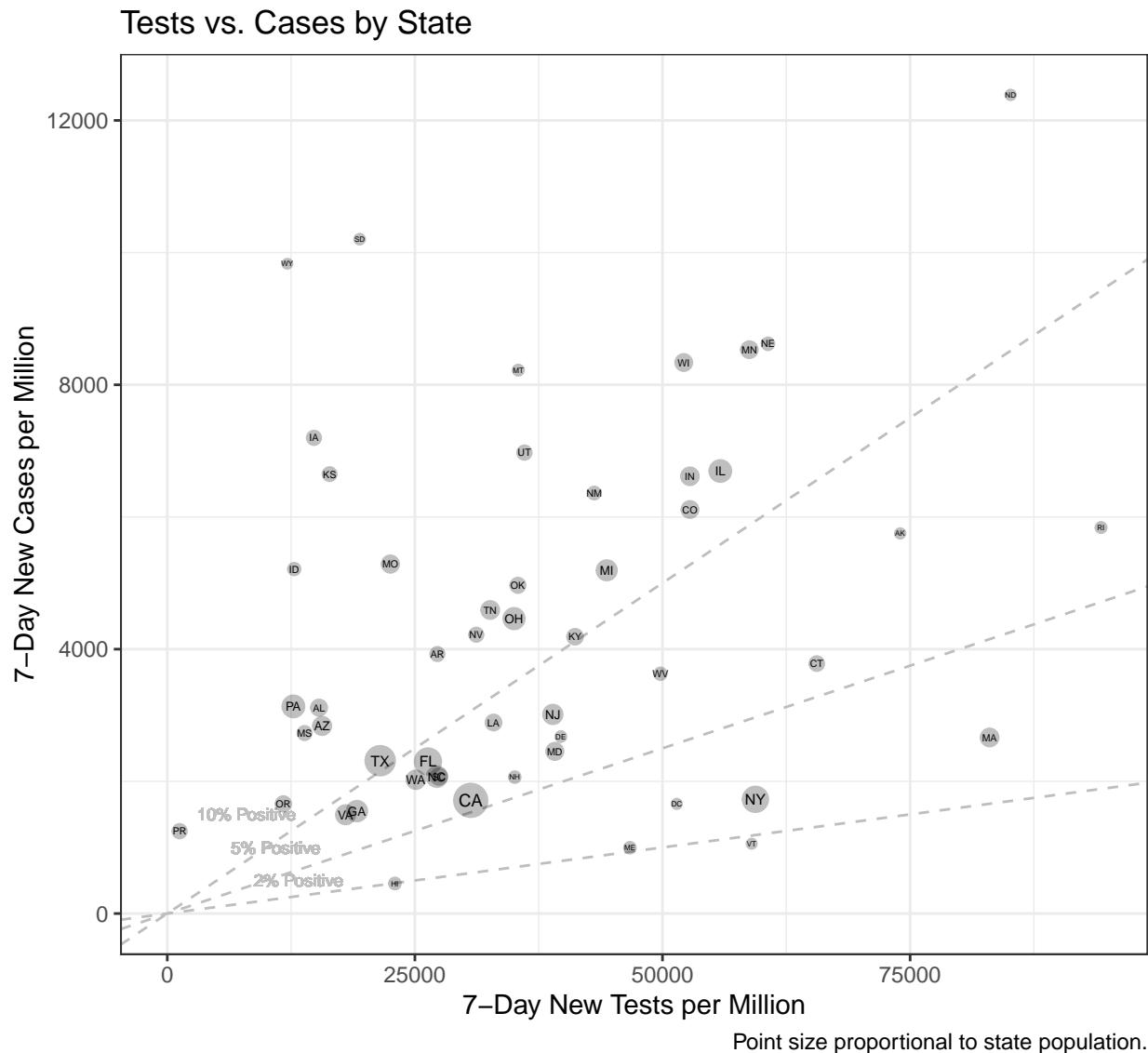


## New Tests by State





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.



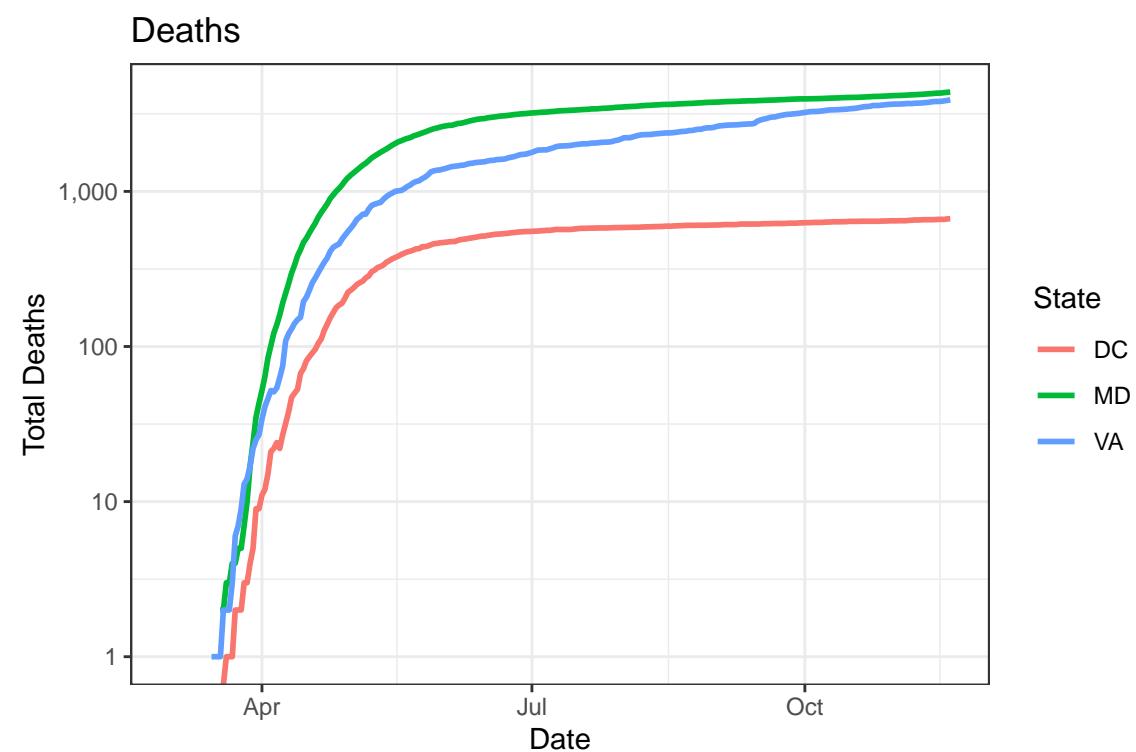
## Local Data

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

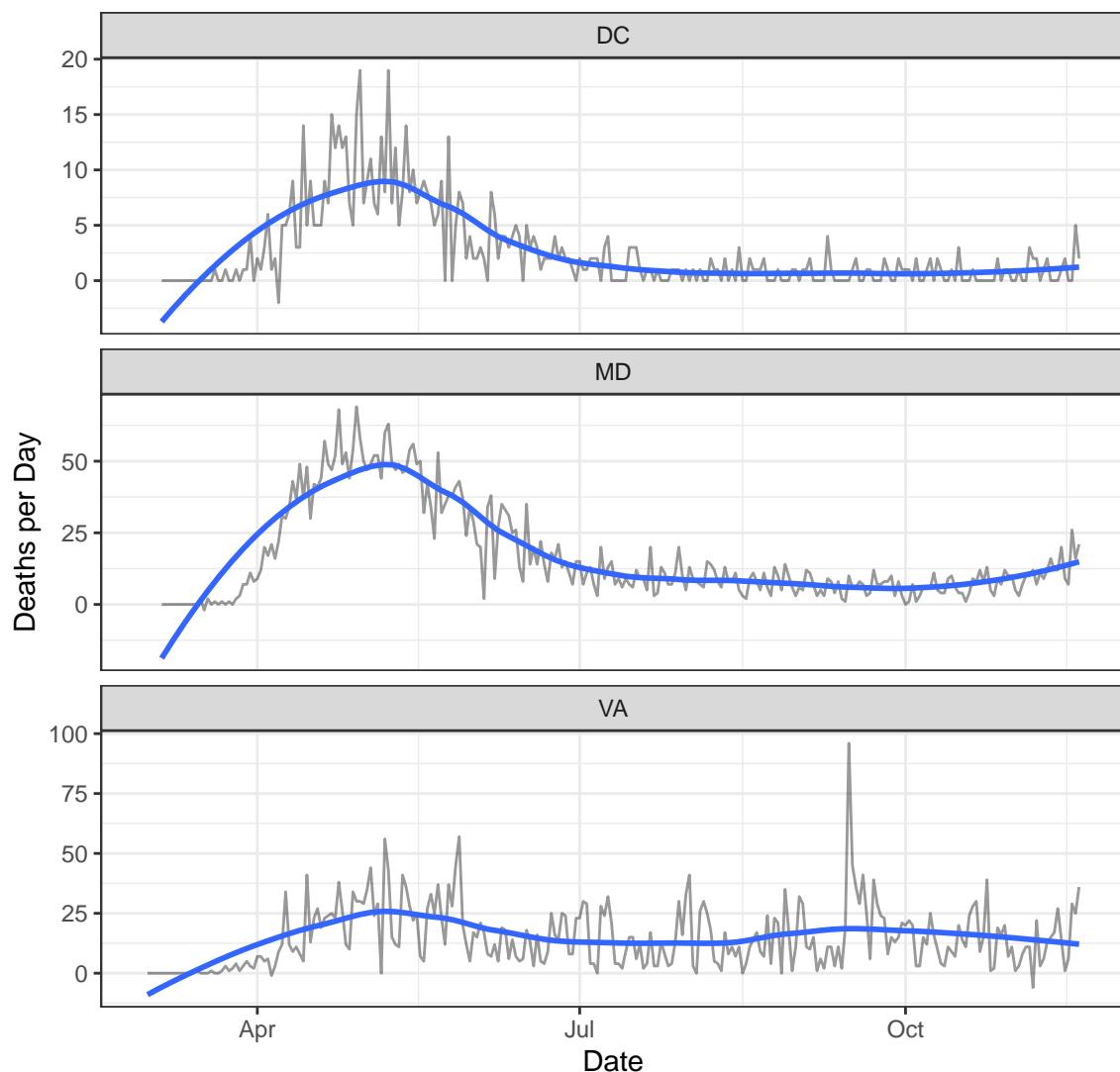
Table 3: Latest Local Data

| State | Cases   | Deaths | New Cases | New Deaths |
|-------|---------|--------|-----------|------------|
| DC    | 19,678  | 667    | 213       | 2          |
| MD    | 174,733 | 4,372  | 2,910     | 21         |
| VA    | 210,787 | 3,896  | 1,954     | 36         |

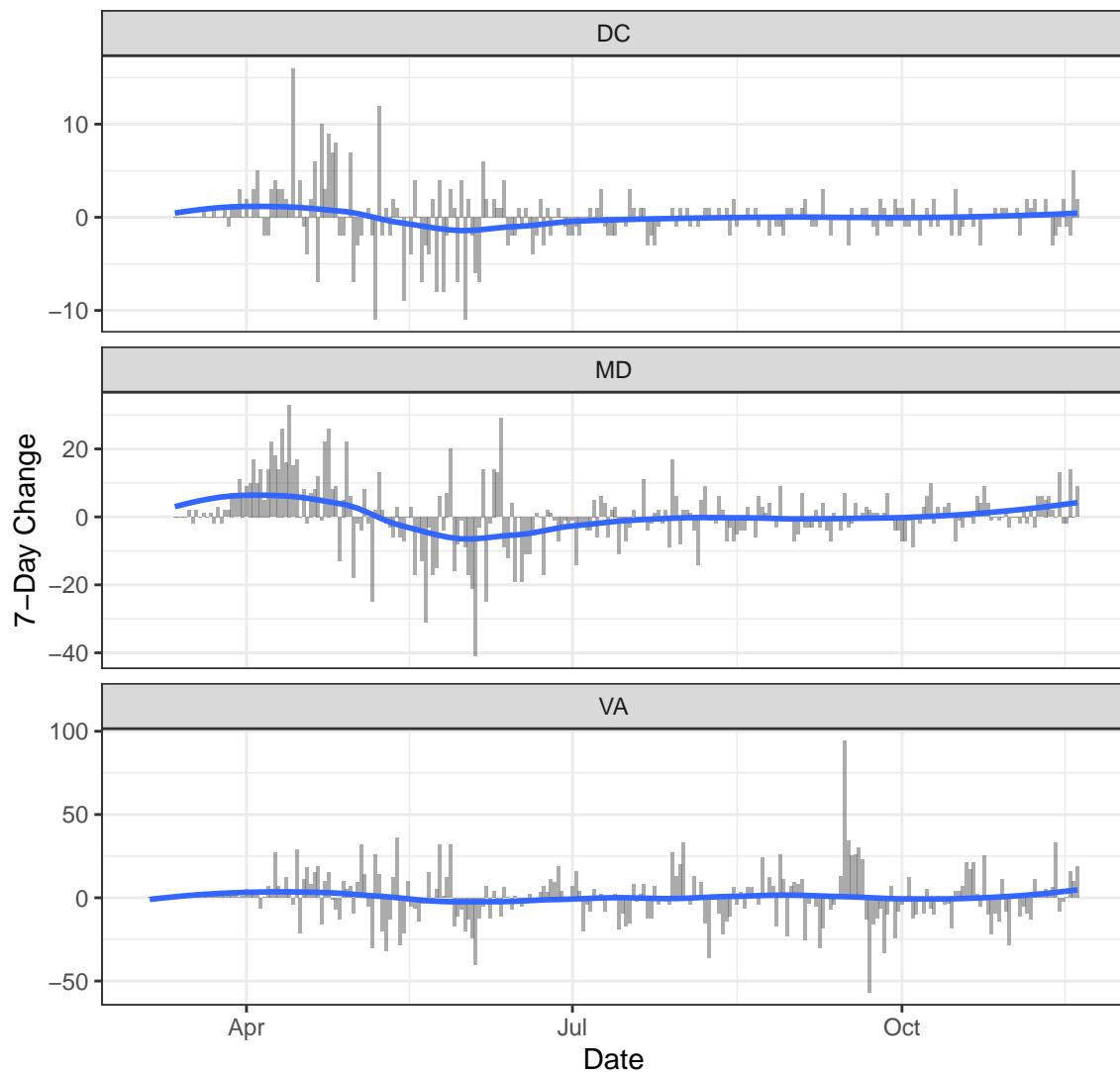
## Deaths

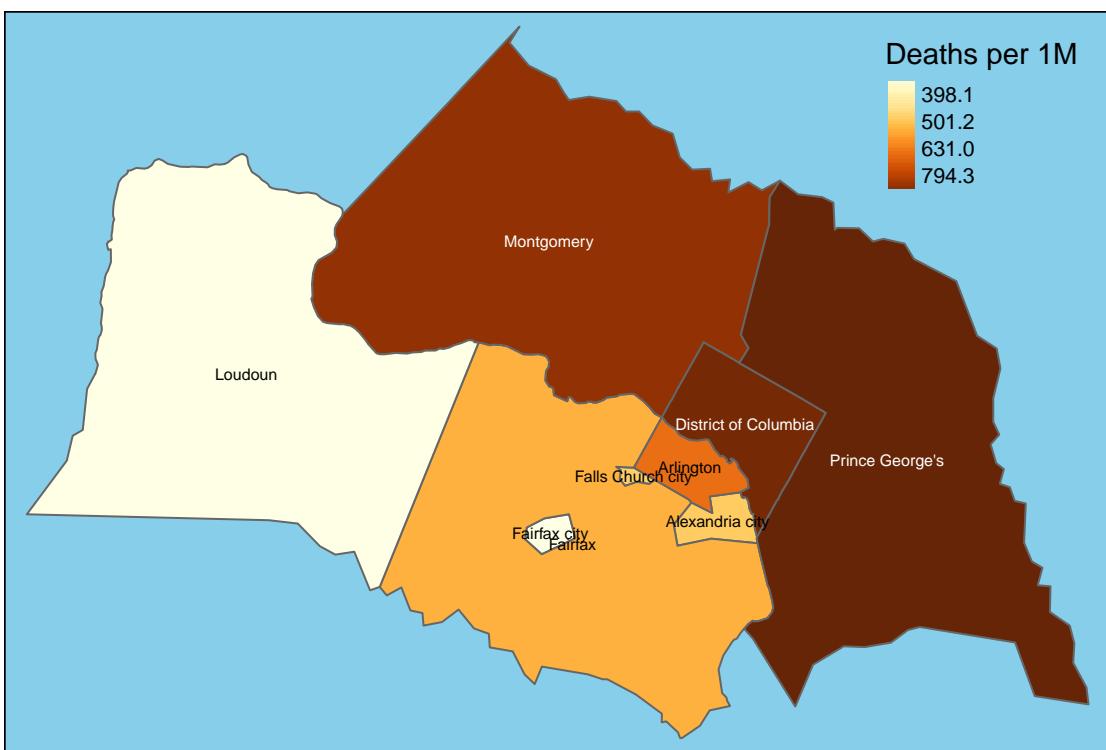
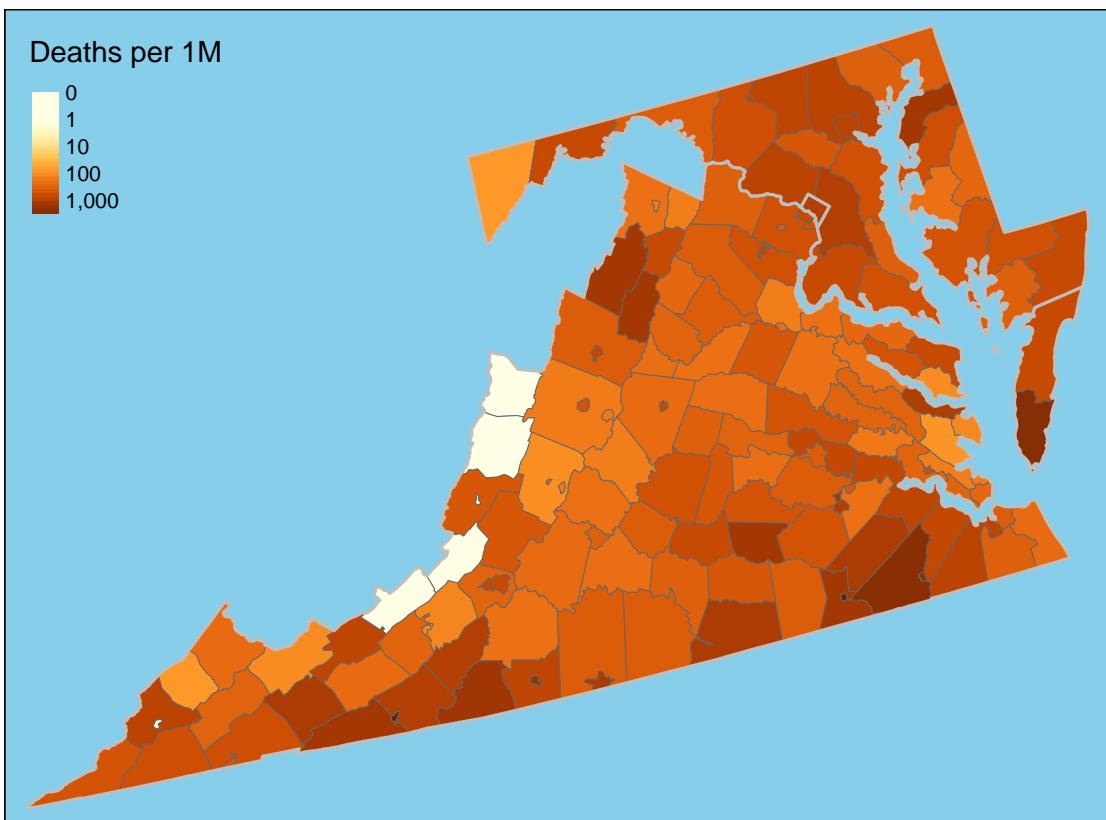


## New Deaths

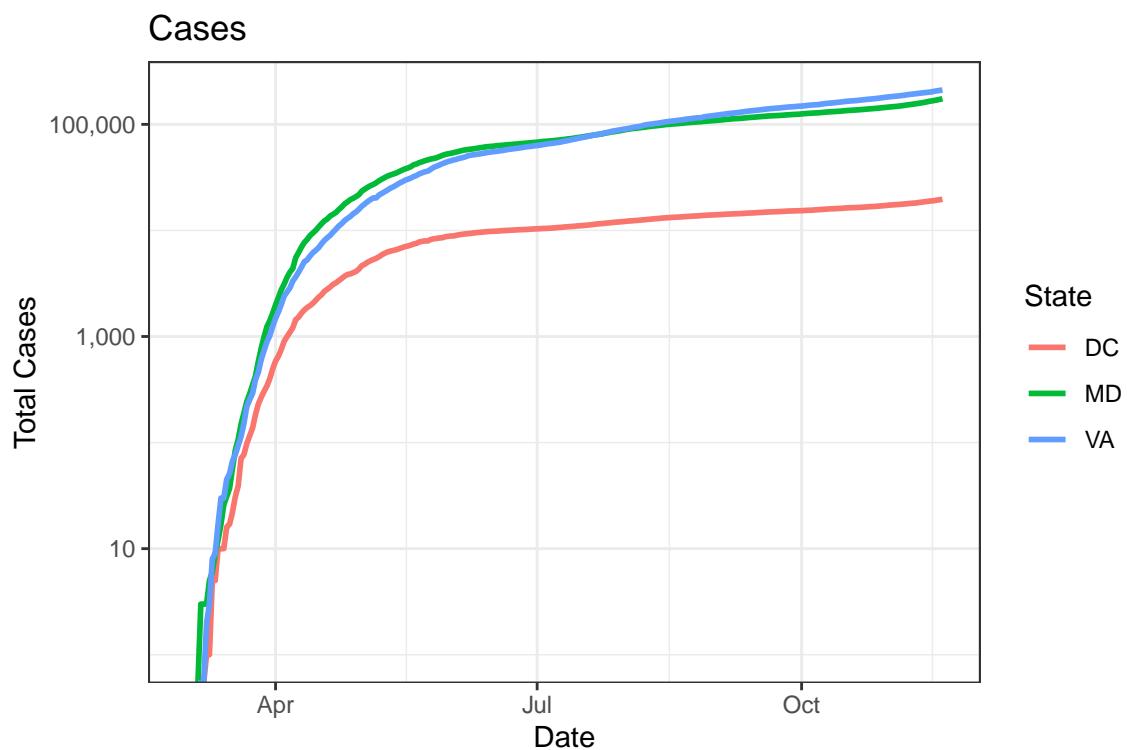


## One-Week Change in Daily Deaths

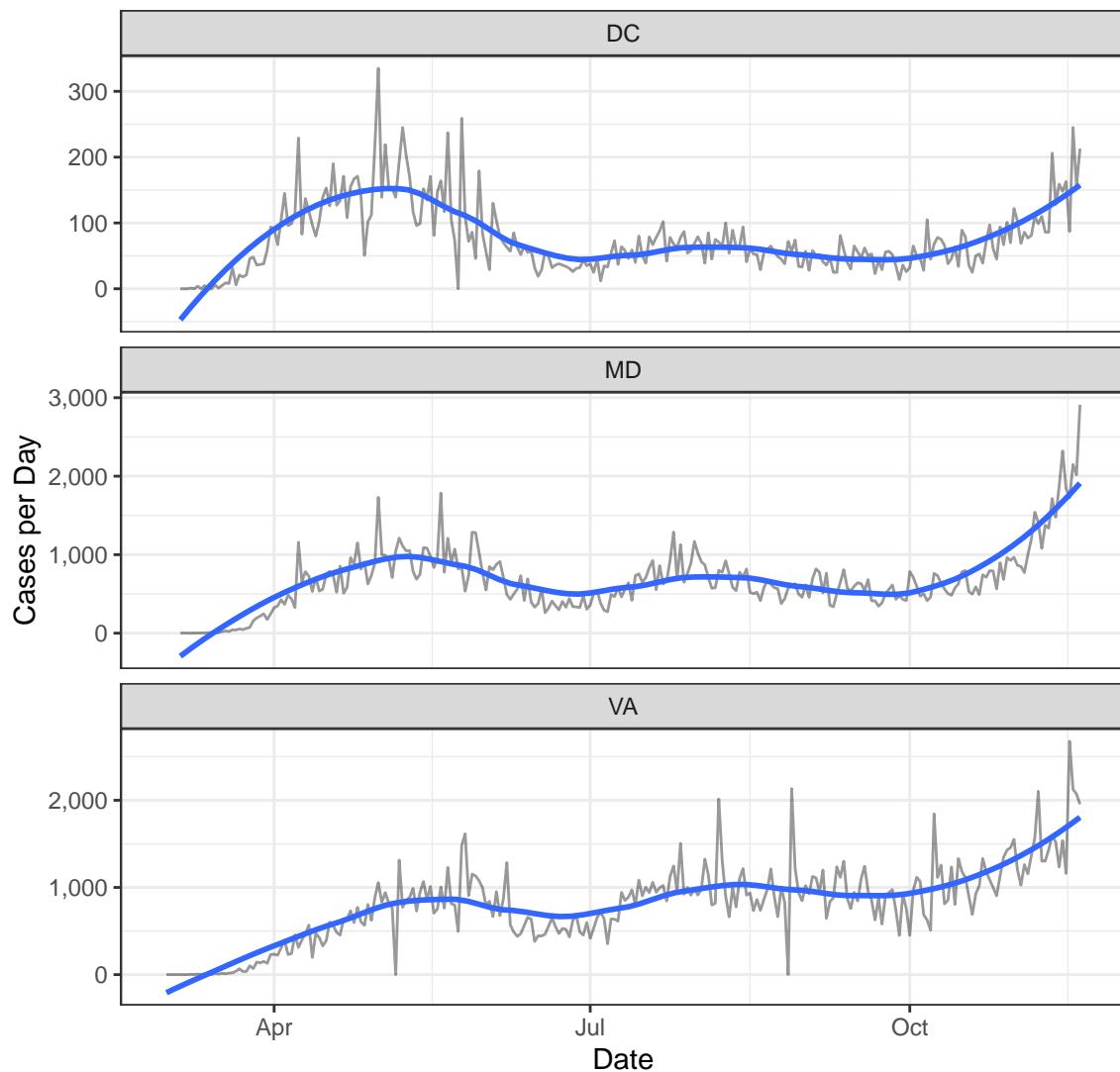




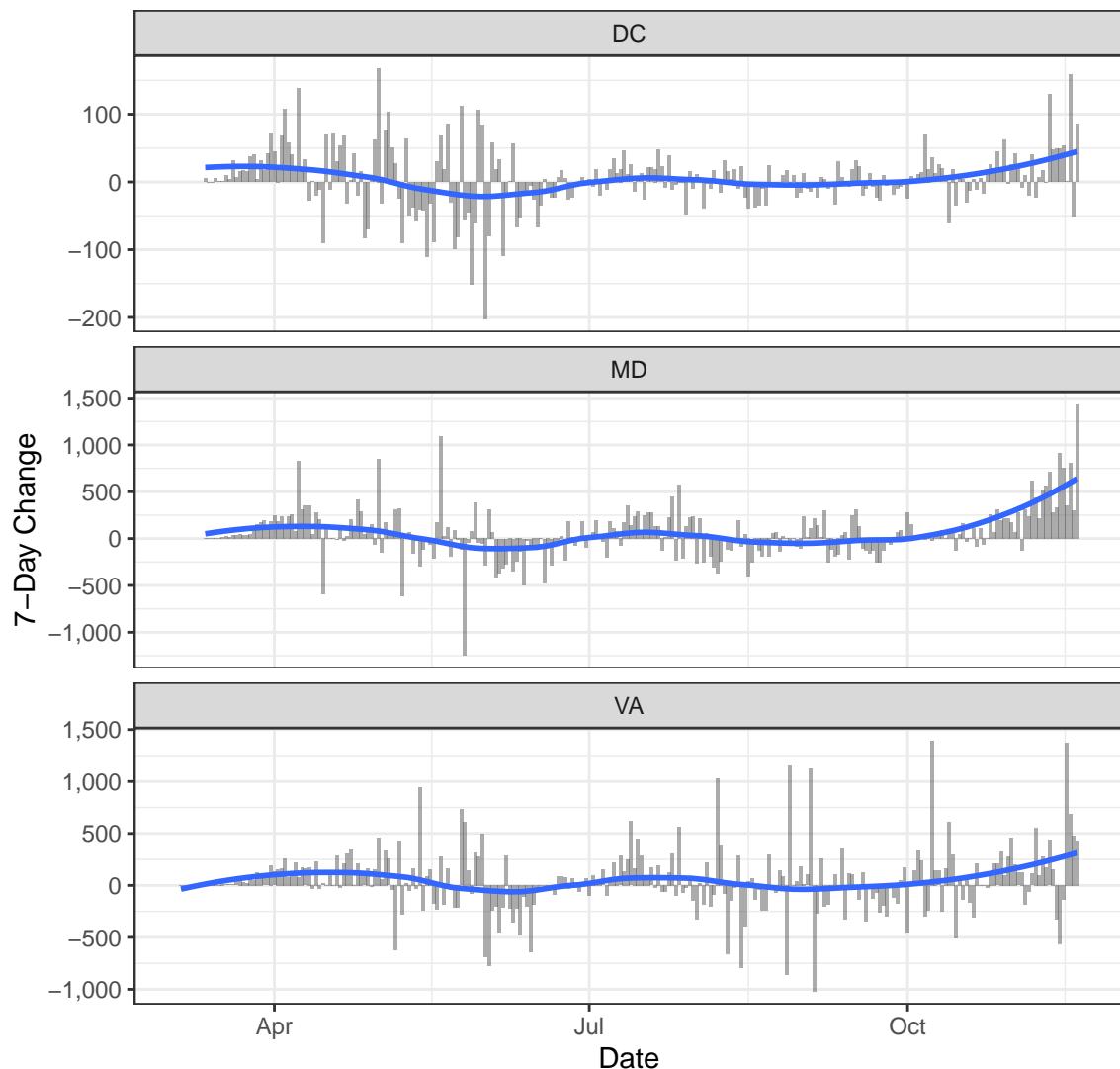
Cases

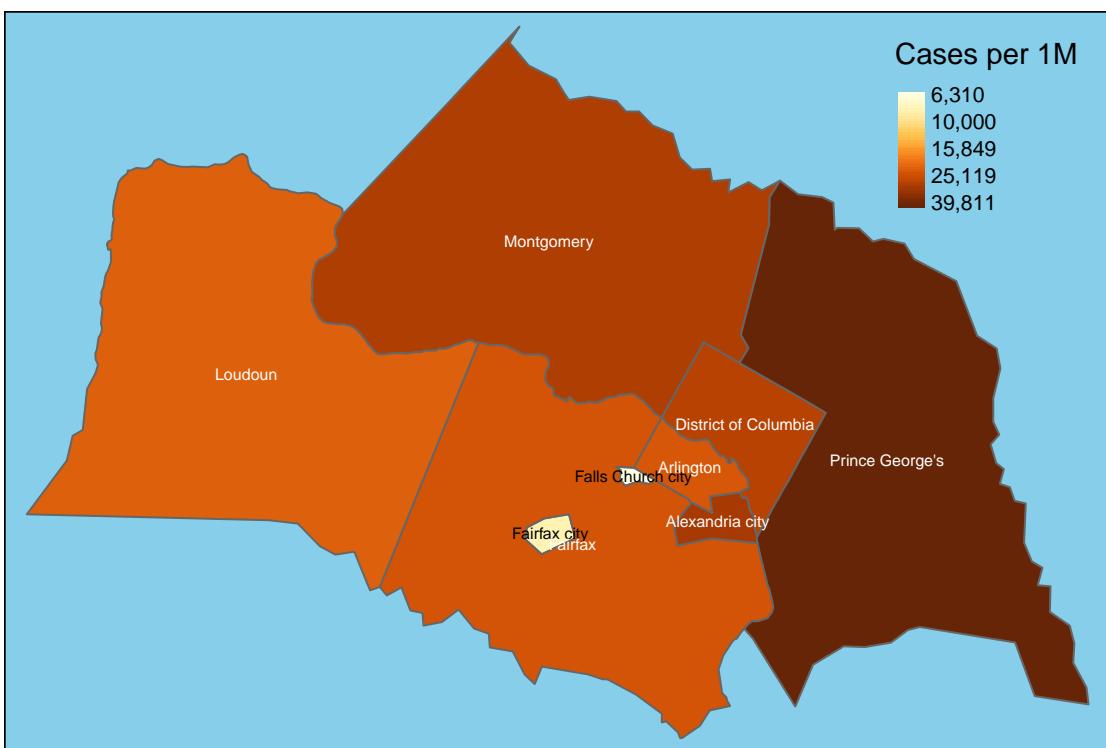
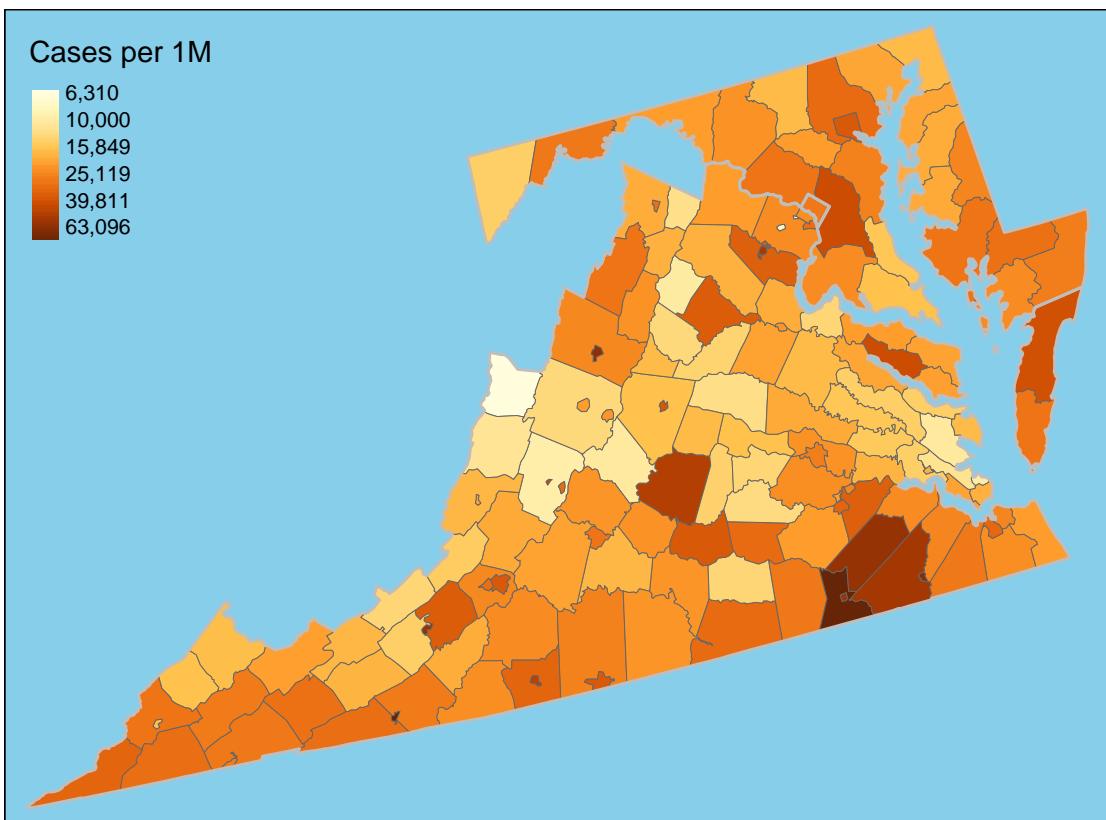


## New Cases

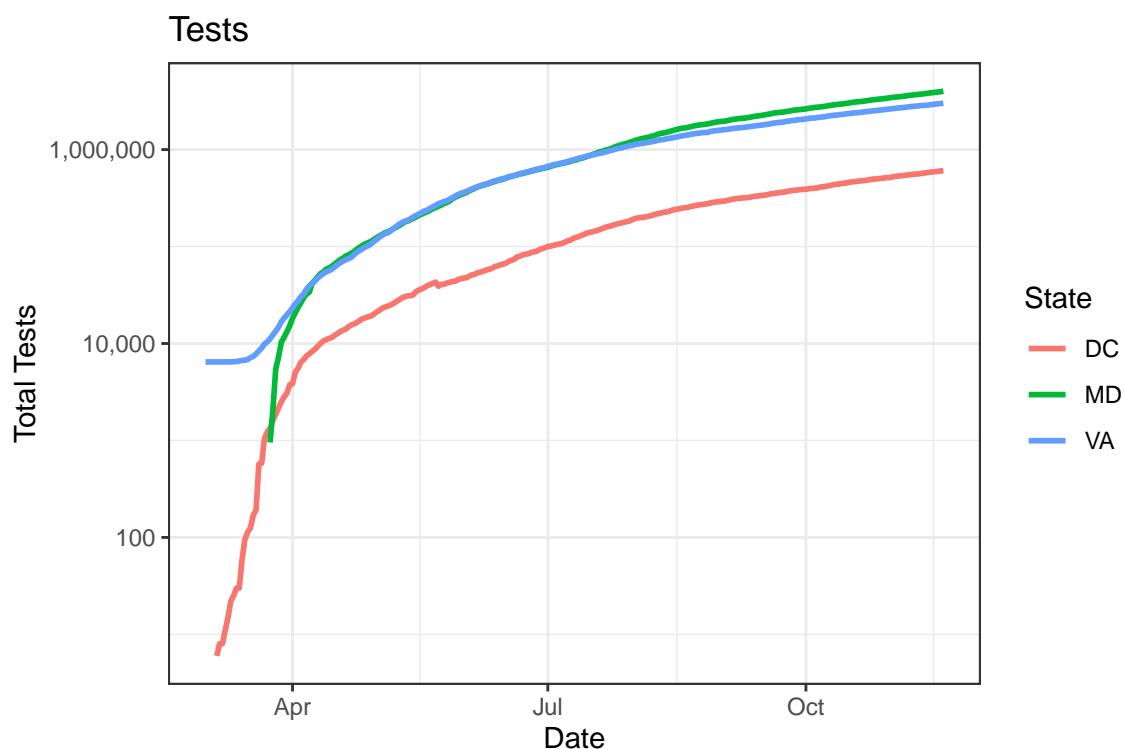


## One-Week Change in Daily Cases

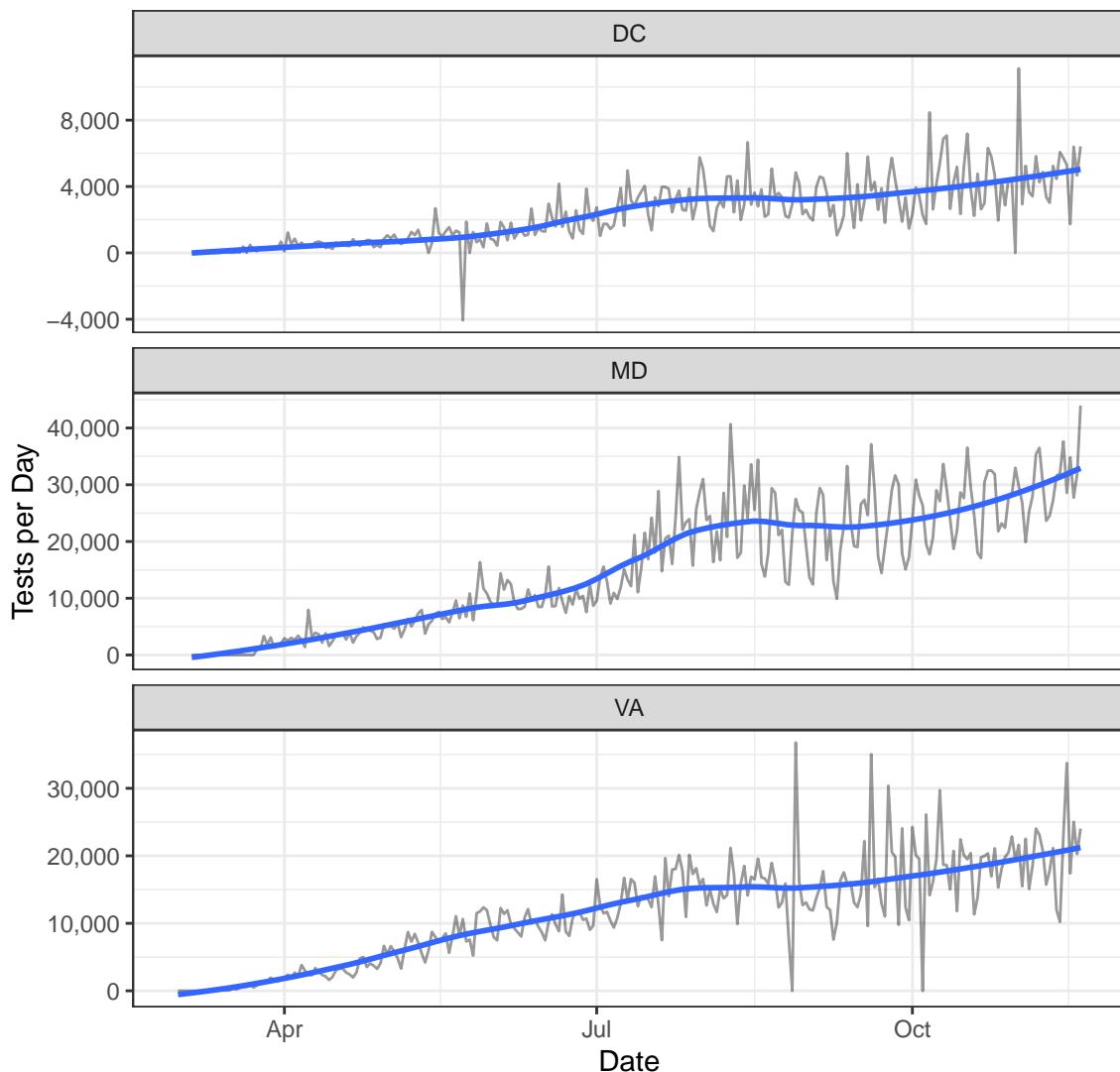




## Testing



## New Tests



## Positive Test Rate

