

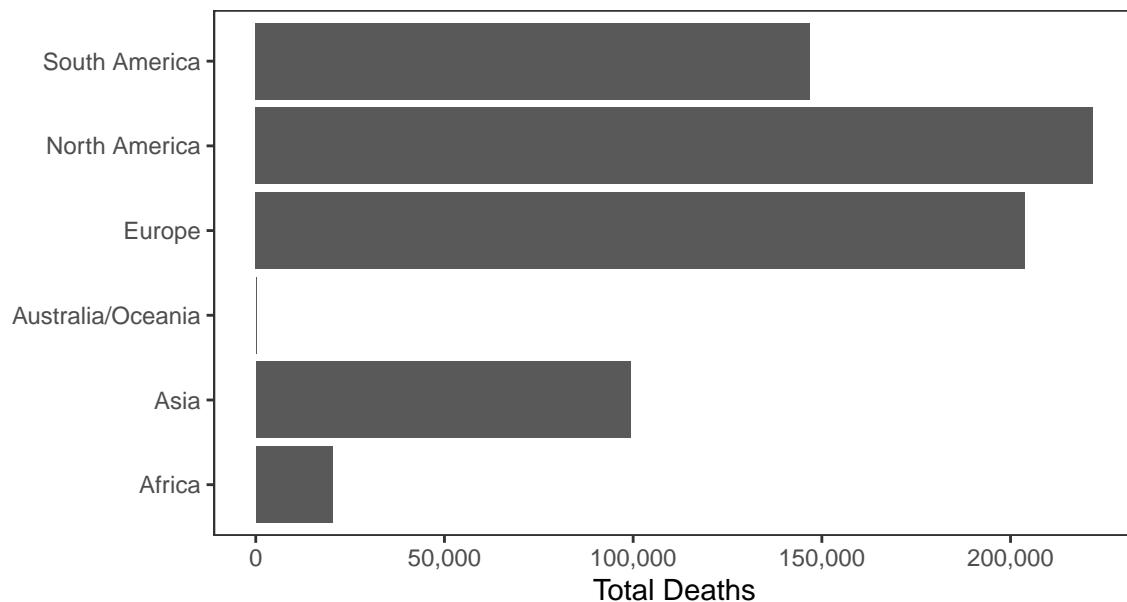
# Erik's Covid-19 Chart Pack

Data updated 2020-08-02 21:10:52. 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 18,226,599 confirmed Covid-19 cases and 692,420 deaths worldwide.

**Deaths**



**Cases**

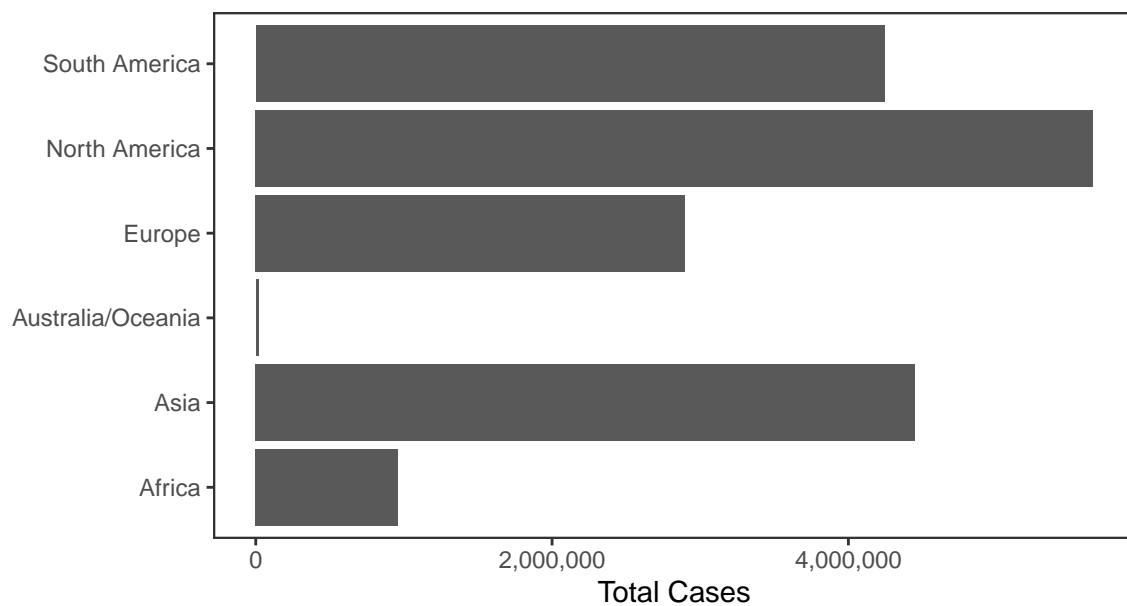
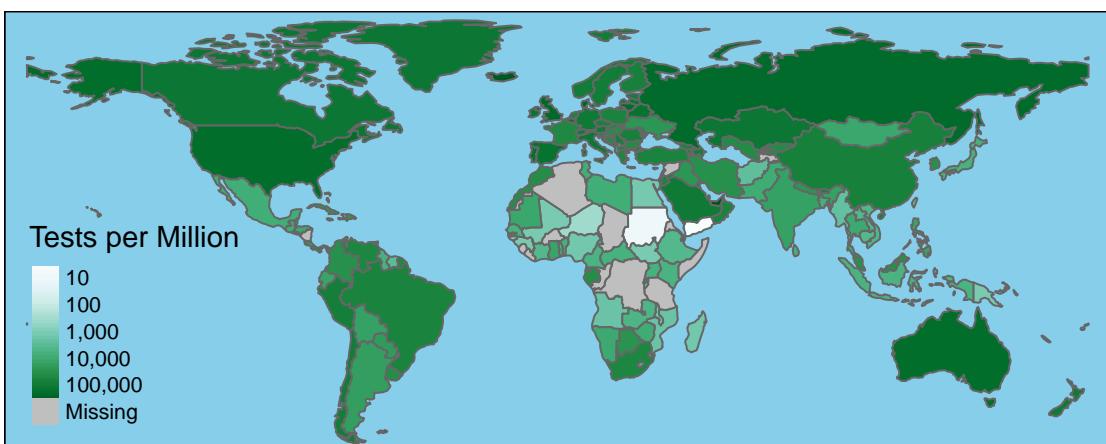
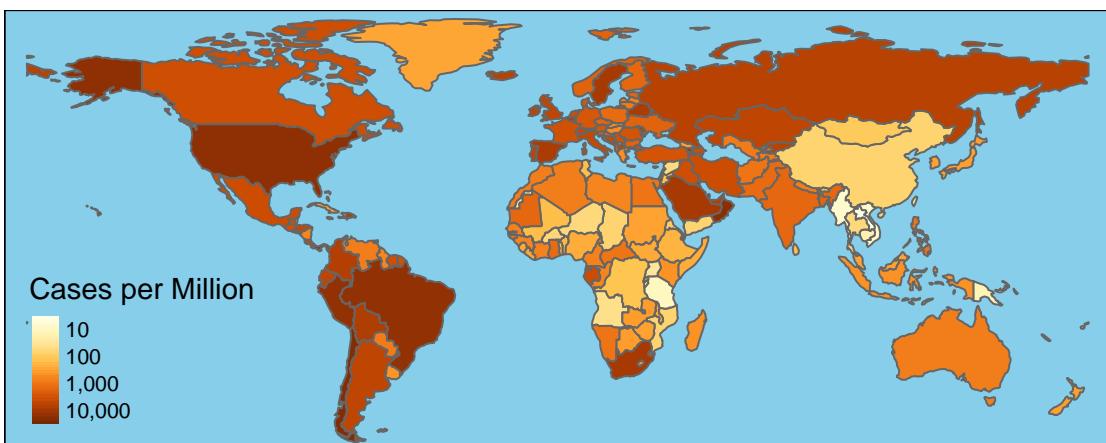
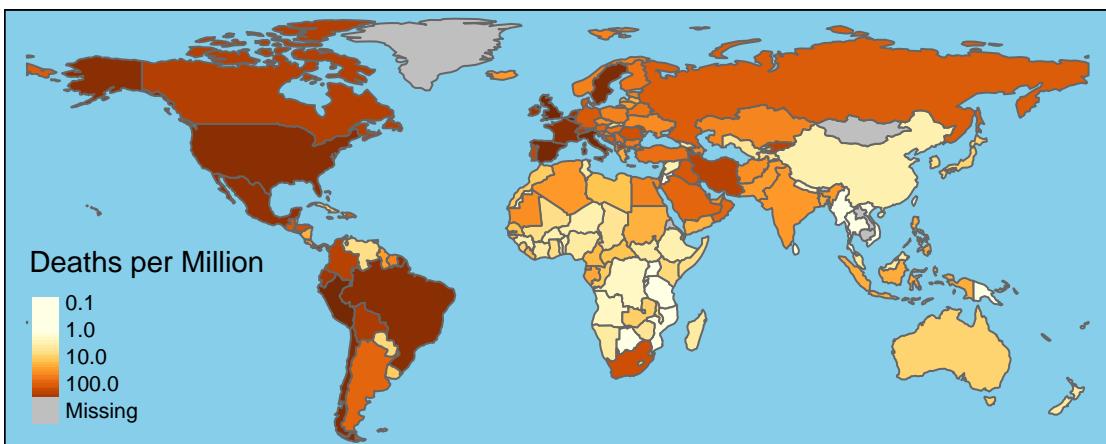


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	4,813,647	158,365	49,038	467
Brazil	2,733,677	94,130	24,801	514
India	1,804,702	38,161	52,783	758
Russia	850,870	14,128	5,427	70
South Africa	511,485	8,366	8,195	213
Mexico	434,193	47,472	9,556	784
Peru	428,850	19,614	6,667	206
Chile	359,731	9,608	2,073	75
Spain	335,602	28,445	0	0
Colombia	317,651	10,650	11,470	320
Iran	309,437	17,190	2,685	208
UK	304,695	46,201	743	8
Pakistan	279,698	5,976	552	6
Saudi Arabia	278,835	2,917	1,357	30
Italy	248,070	35,154	238	8
Bangladesh	240,746	3,154	886	22
Turkey	232,856	5,728	987	18
Germany	211,462	9,226	385	0
Argentina	201,919	3,648	5,376	52
France	187,919	30,265	0	0



## National Data

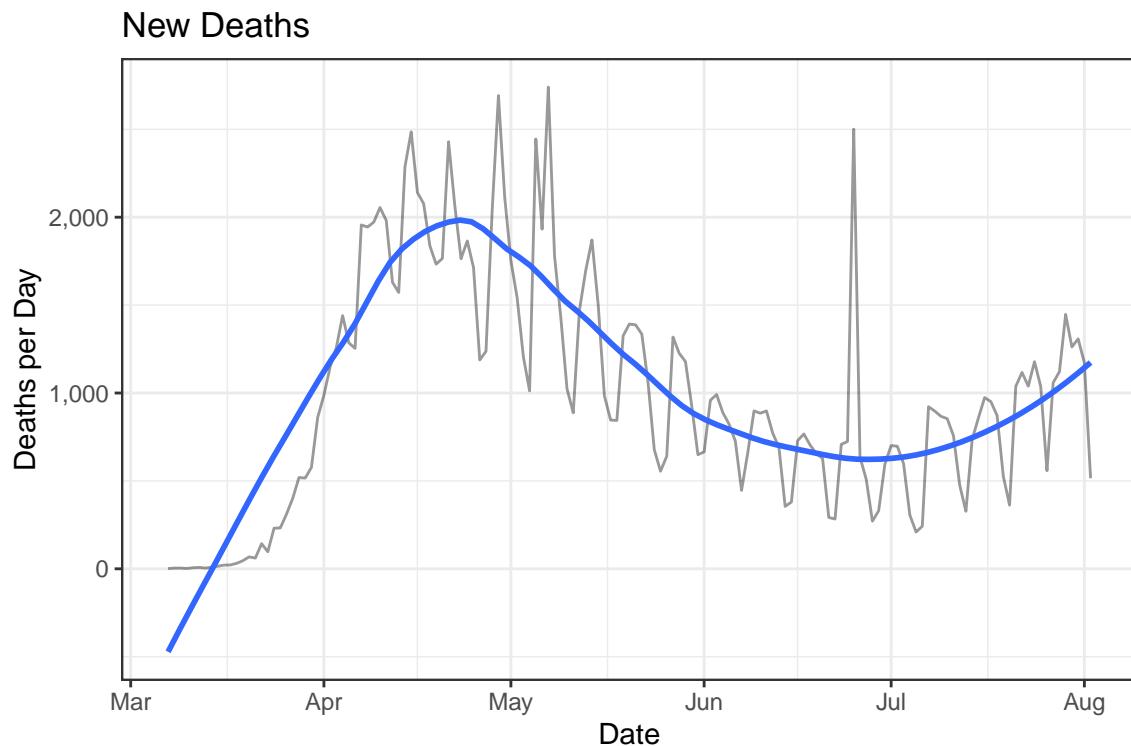
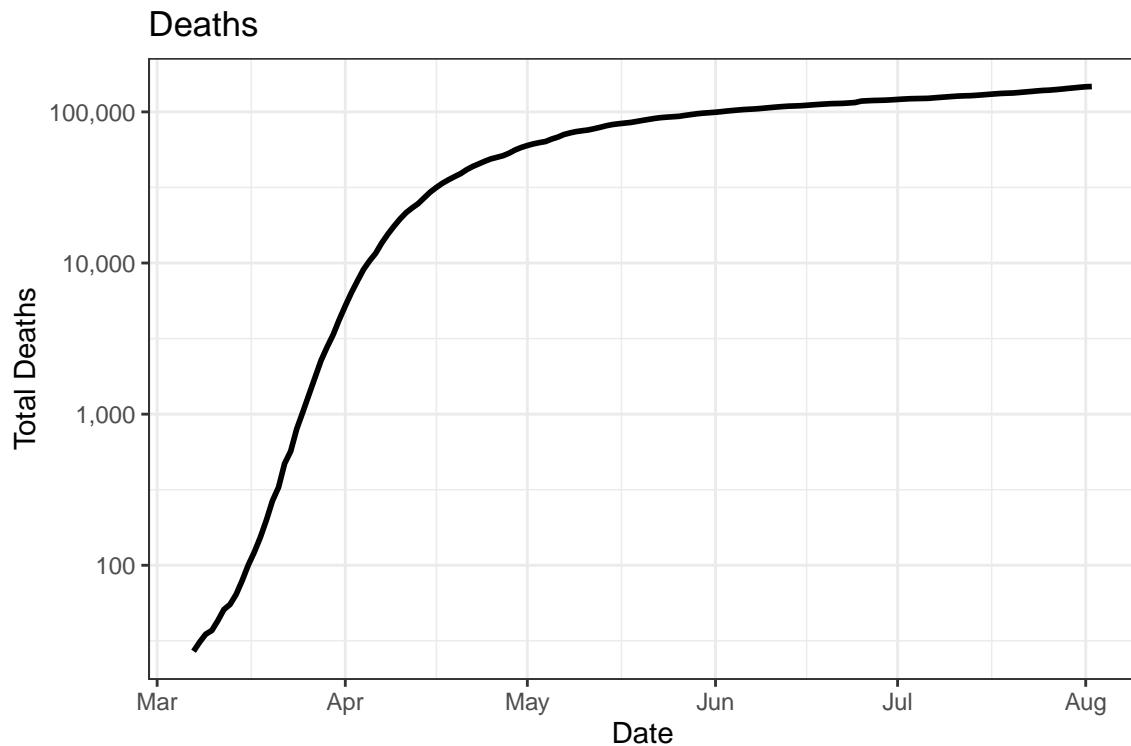
There have been 4,644,565 confirmed Covid-19 cases and 147,134 deaths in the United States.

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

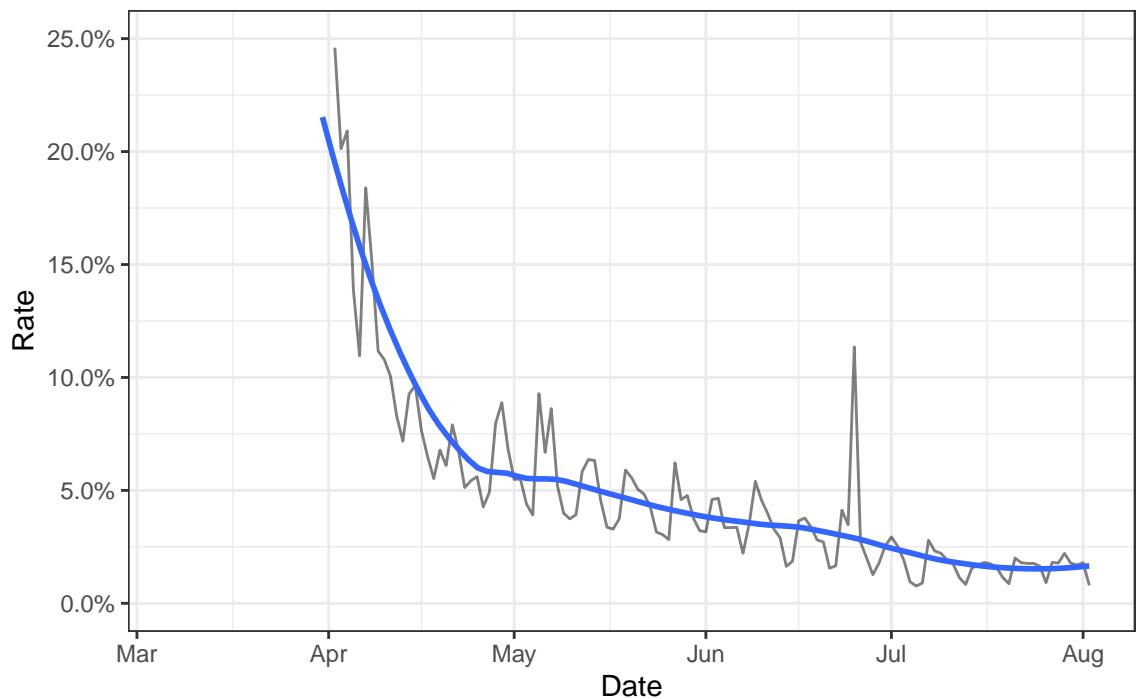
Date	Cases	Deaths	New Cases	New Deaths
2020-08-02	4,644,565	147,134	48,694	515
2020-08-01	4,595,871	146,619	60,264	1,172
2020-07-31	4,535,607	145,447	67,503	1,308
2020-07-30	4,468,104	144,139	69,718	1,262
2020-07-29	4,398,386	142,877	66,969	1,447
2020-07-28	4,331,417	141,430	56,229	1,121
2020-07-27	4,275,188	140,309	55,134	1,059
2020-07-26	4,220,054	139,250	61,713	558
2020-07-25	4,158,341	138,692	65,413	1,037
2020-07-24	4,092,928	137,655	75,193	1,178
2020-07-23	4,017,735	136,477	71,027	1,039
2020-07-22	3,946,708	135,438	69,150	1,117
2020-07-21	3,877,558	134,321	63,642	1,038
2020-07-20	3,813,916	133,283	56,971	362

## Deaths

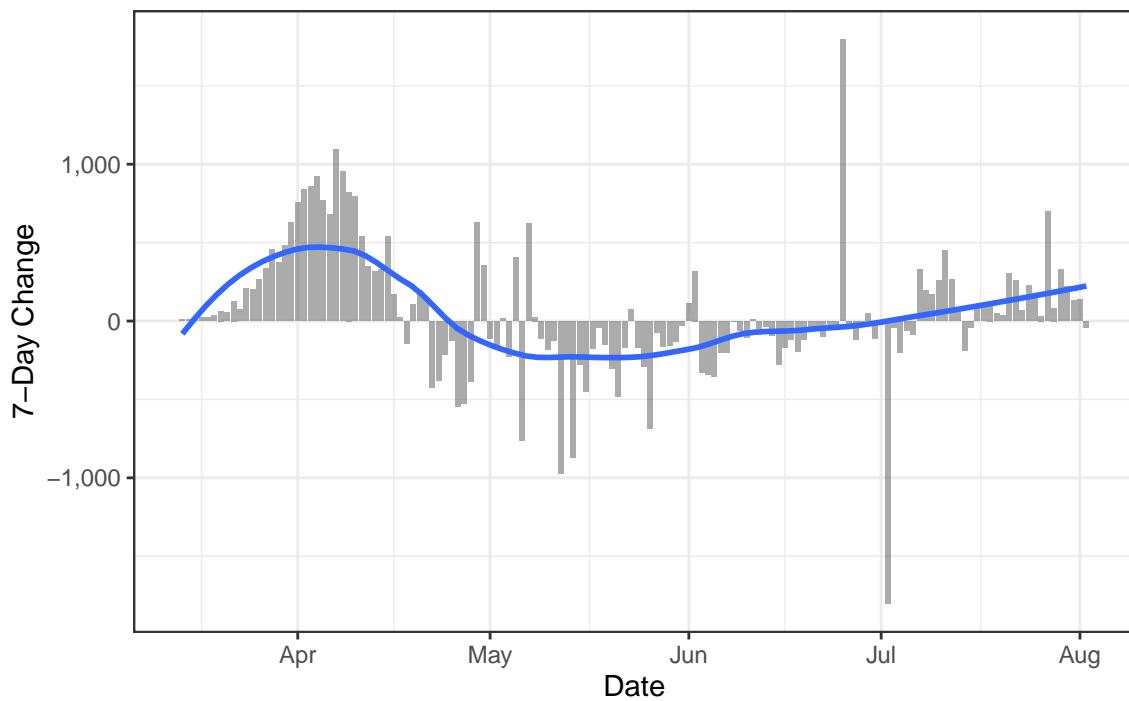
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

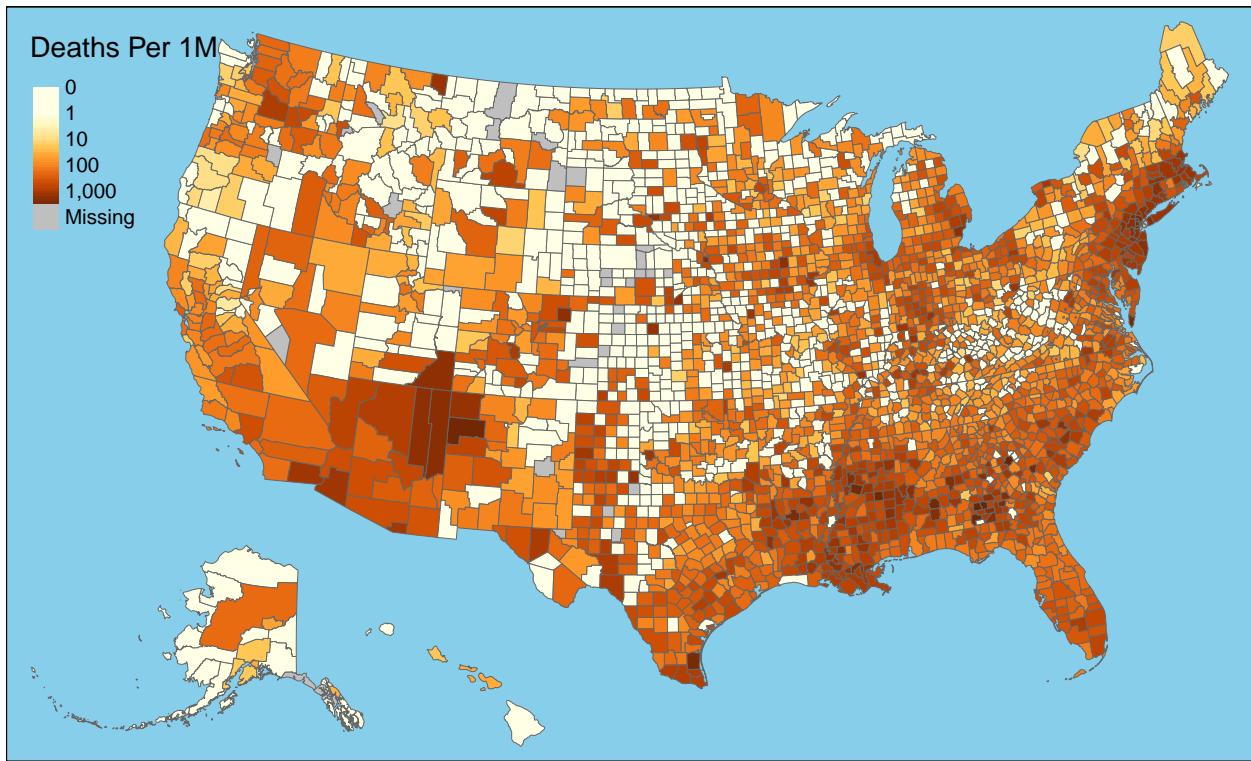


Daily Case Mortality Rate



One-Week Change in Daily Deaths

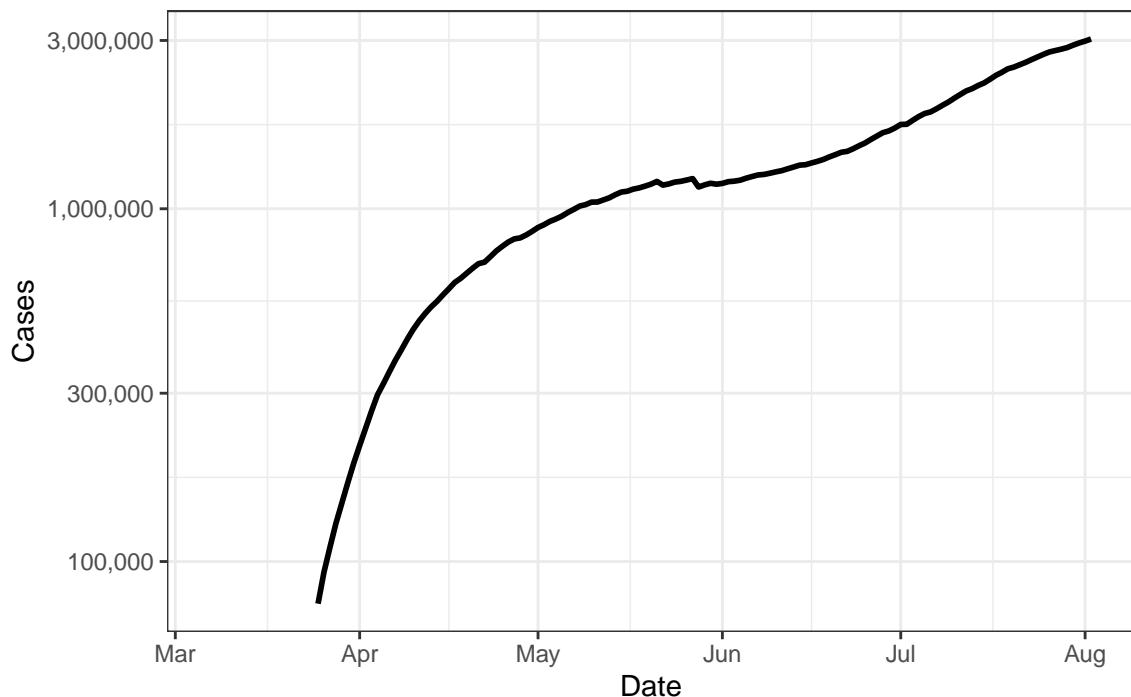




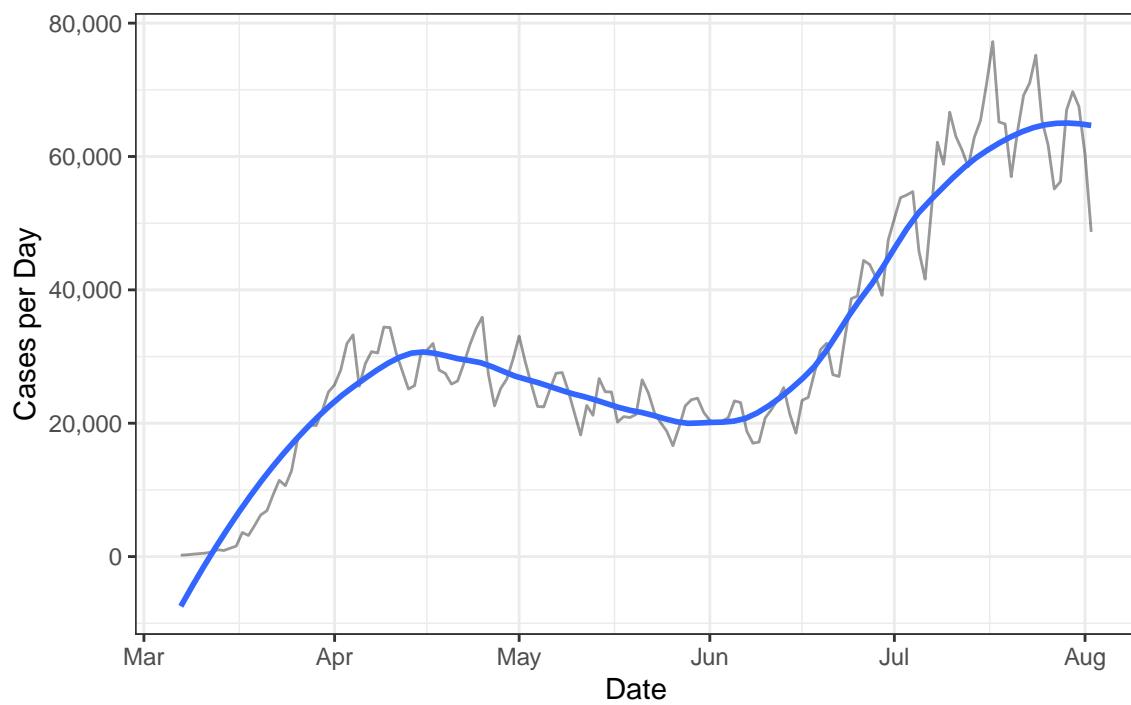
## Cases

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

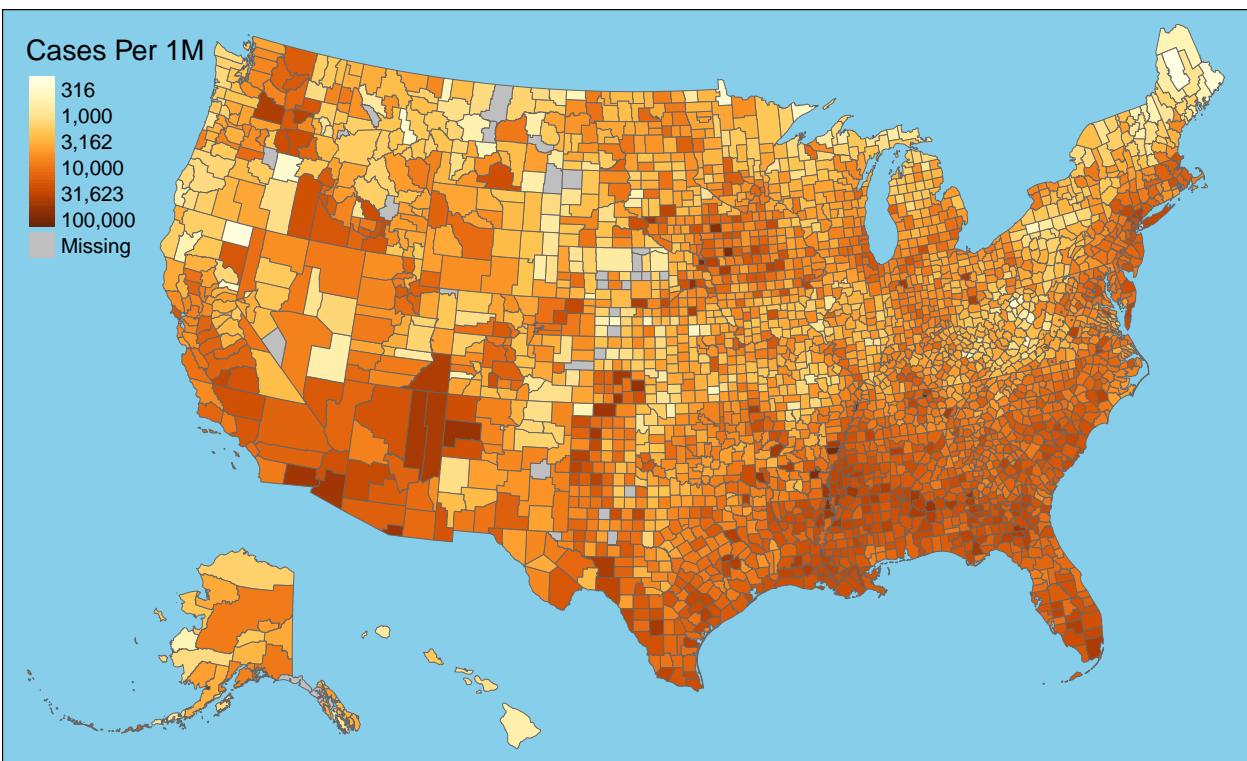
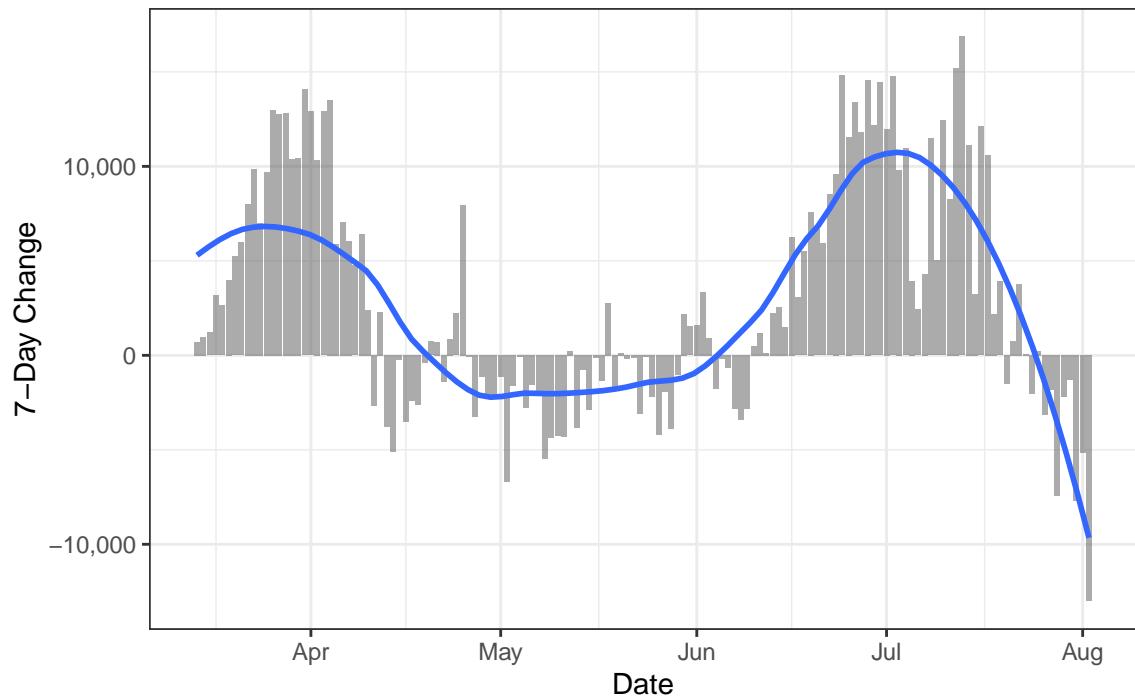
### Active Cases



### New Cases

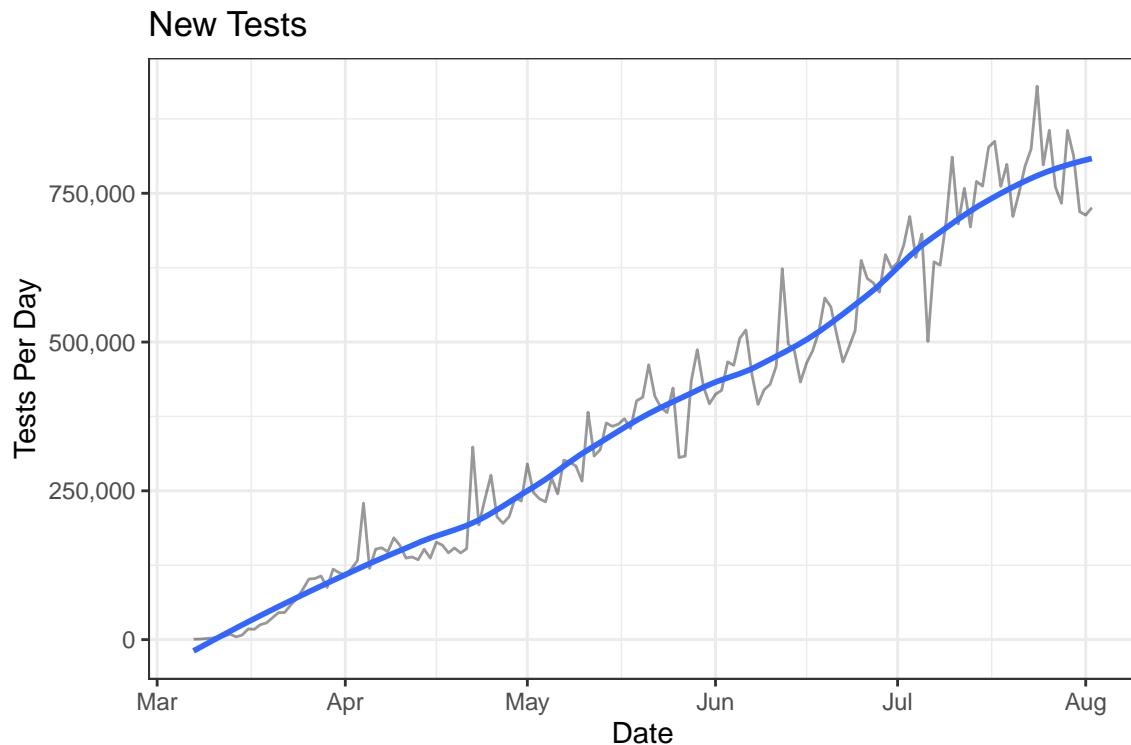
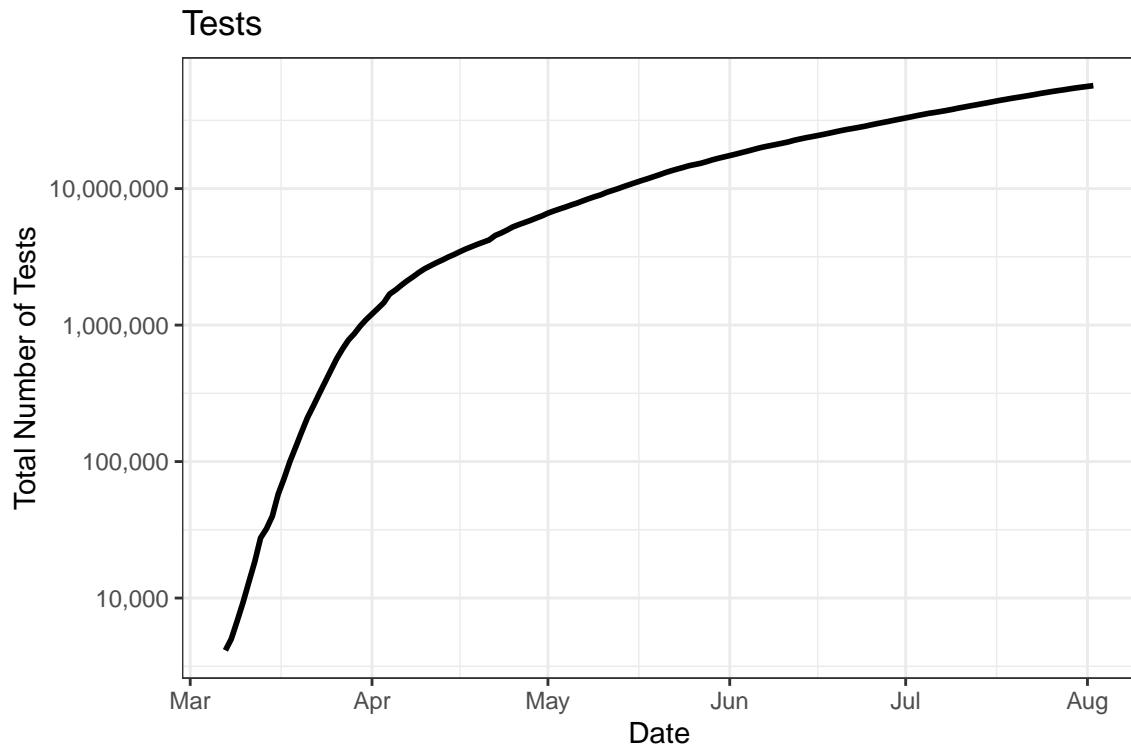


## One-Week Change in Daily Cases

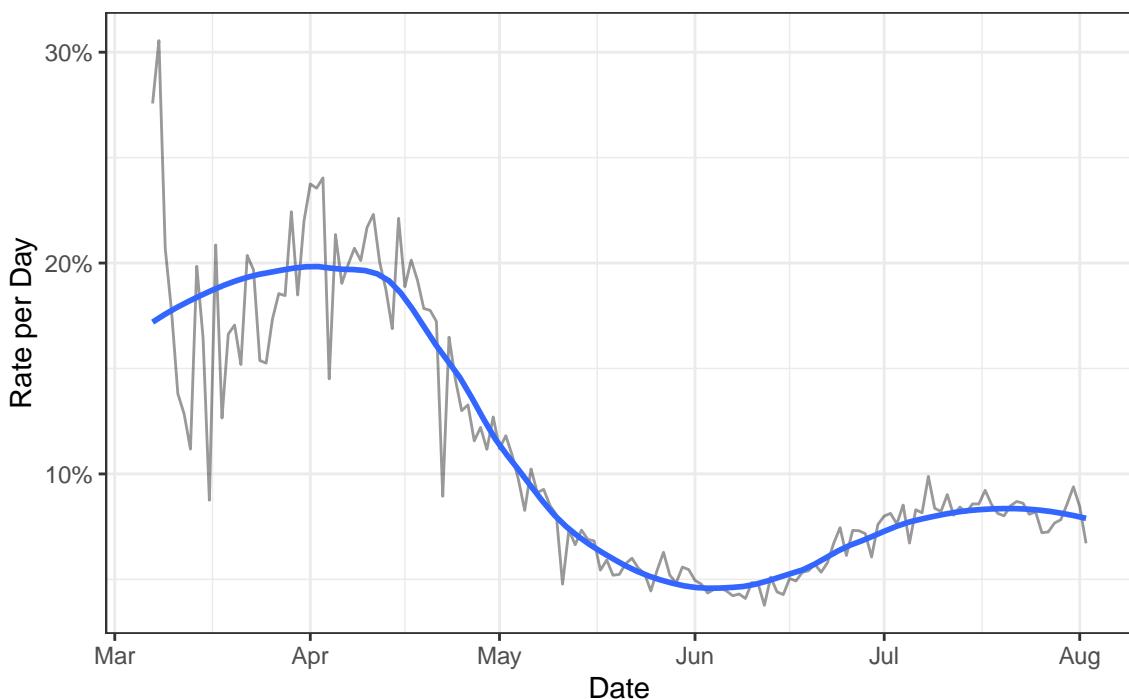


## Testing

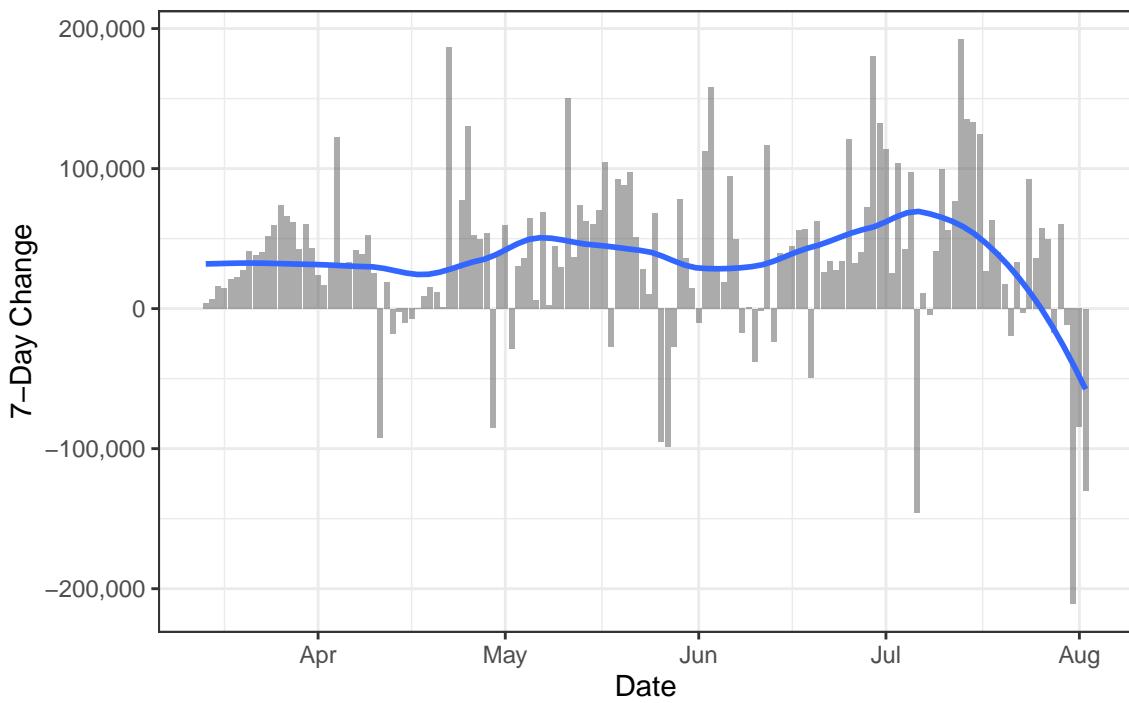
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



### Positive Test Rate



### One-Week Change in Daily Tests

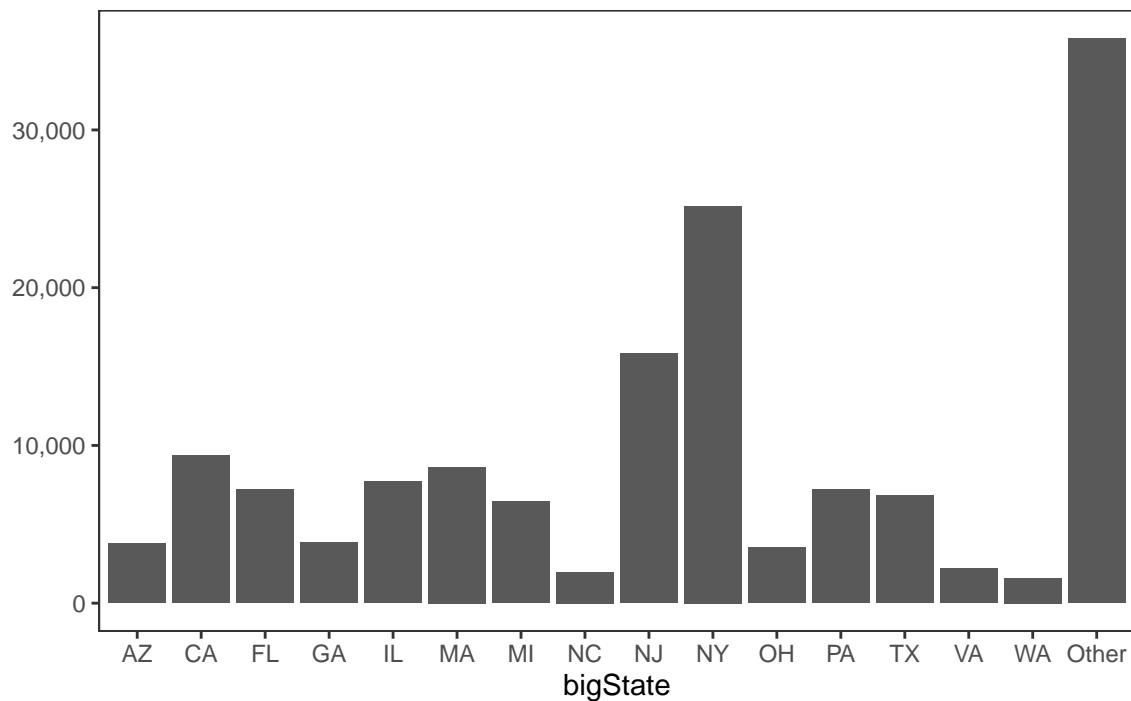


## State Data

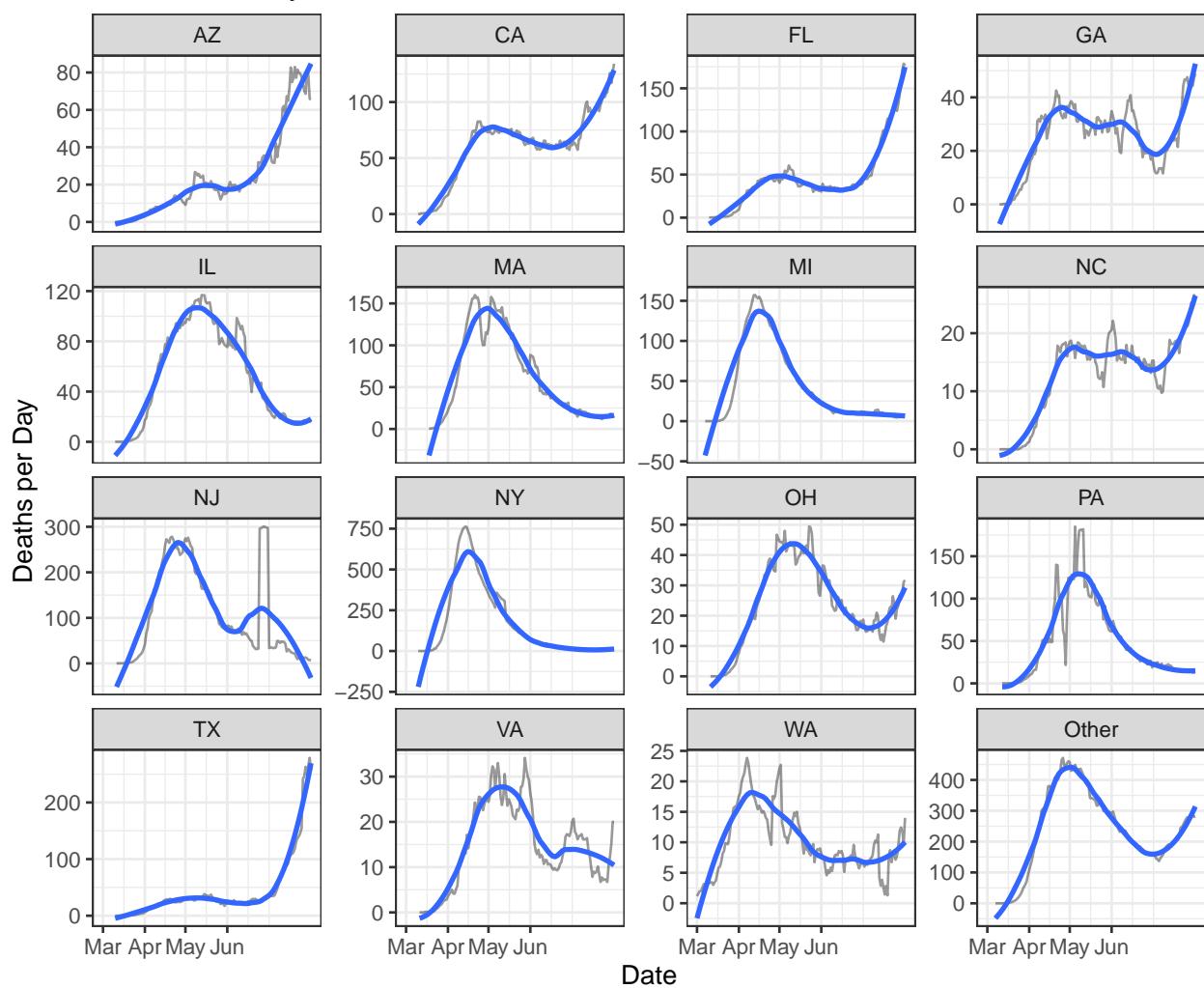
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

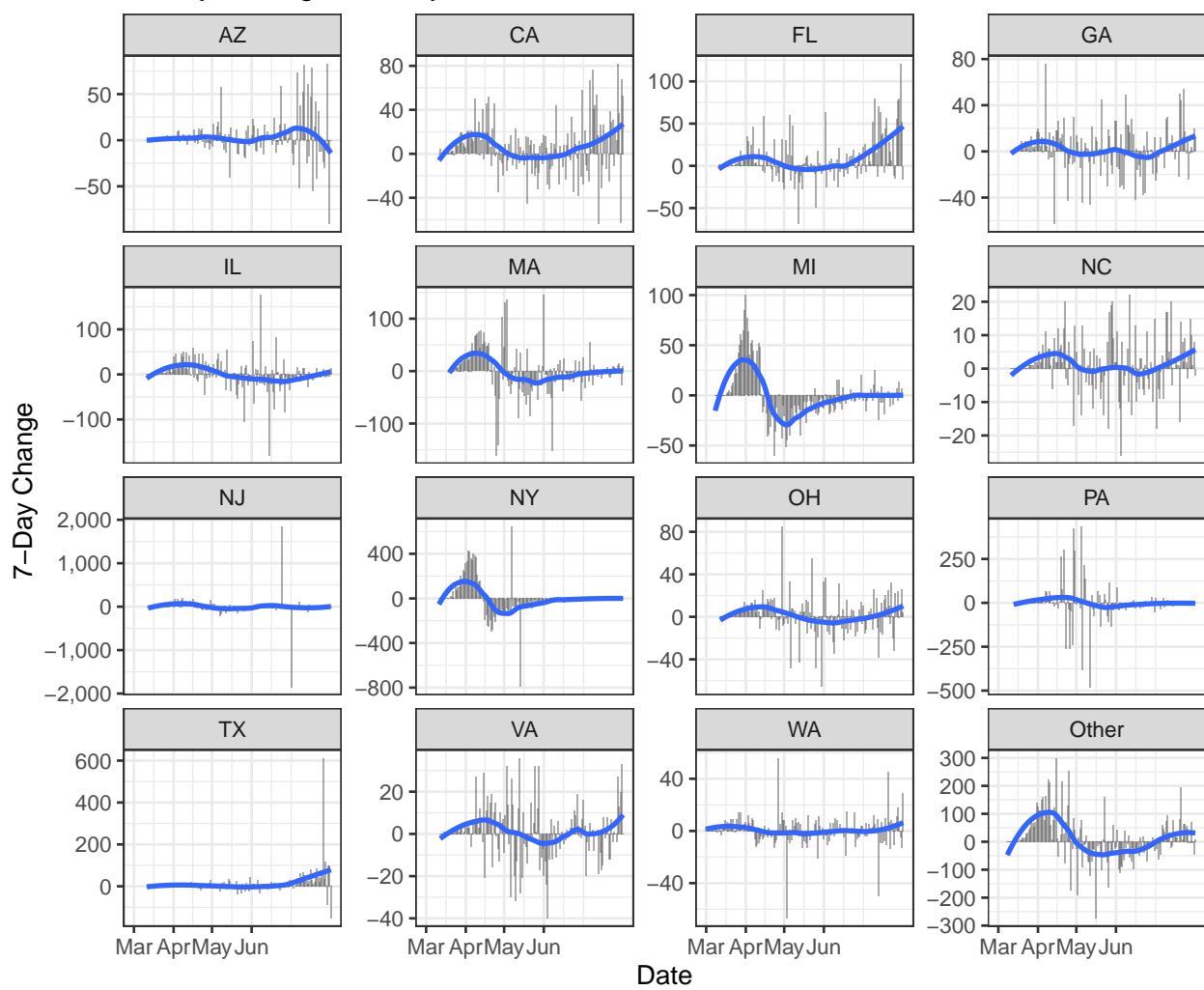
Deaths by State

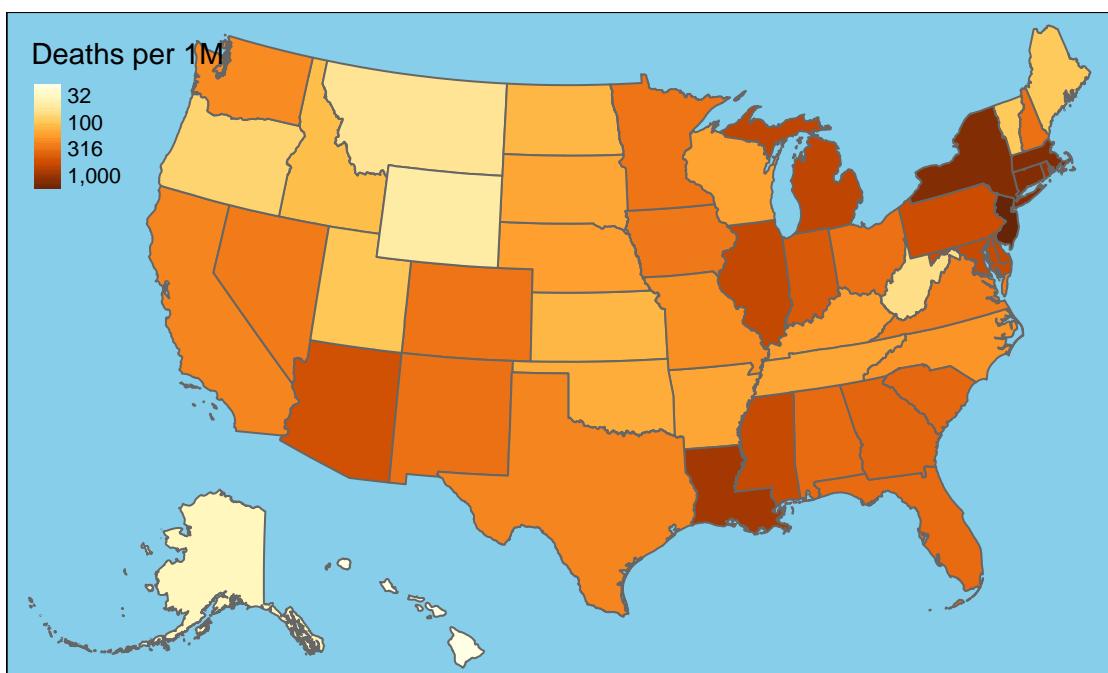
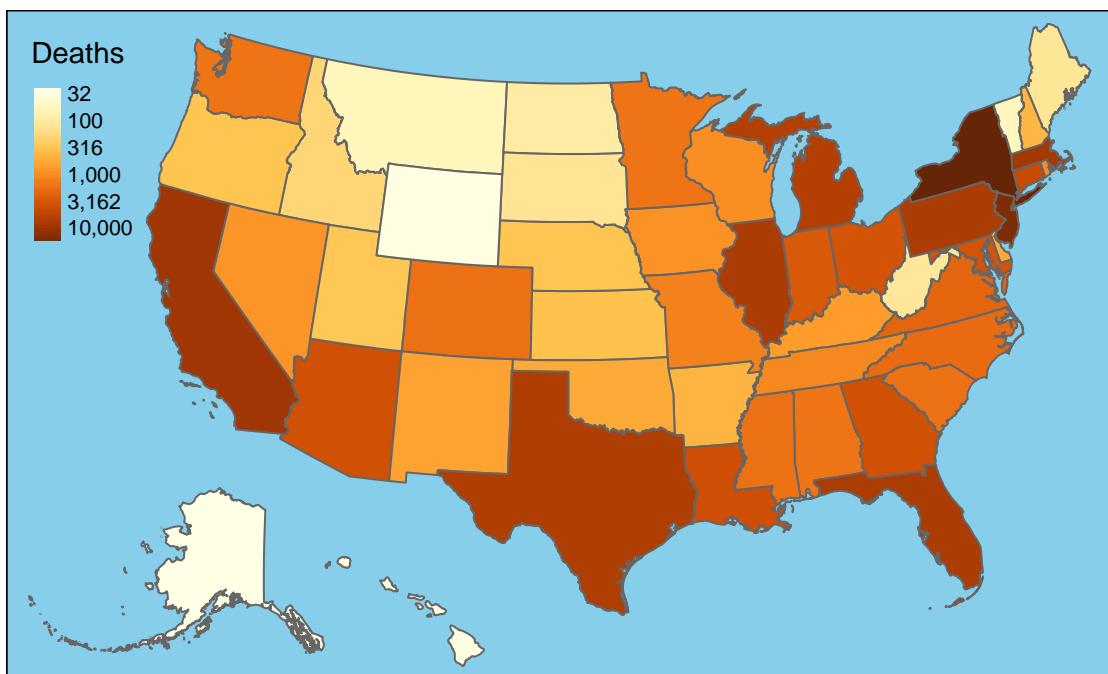


## New Deaths by State



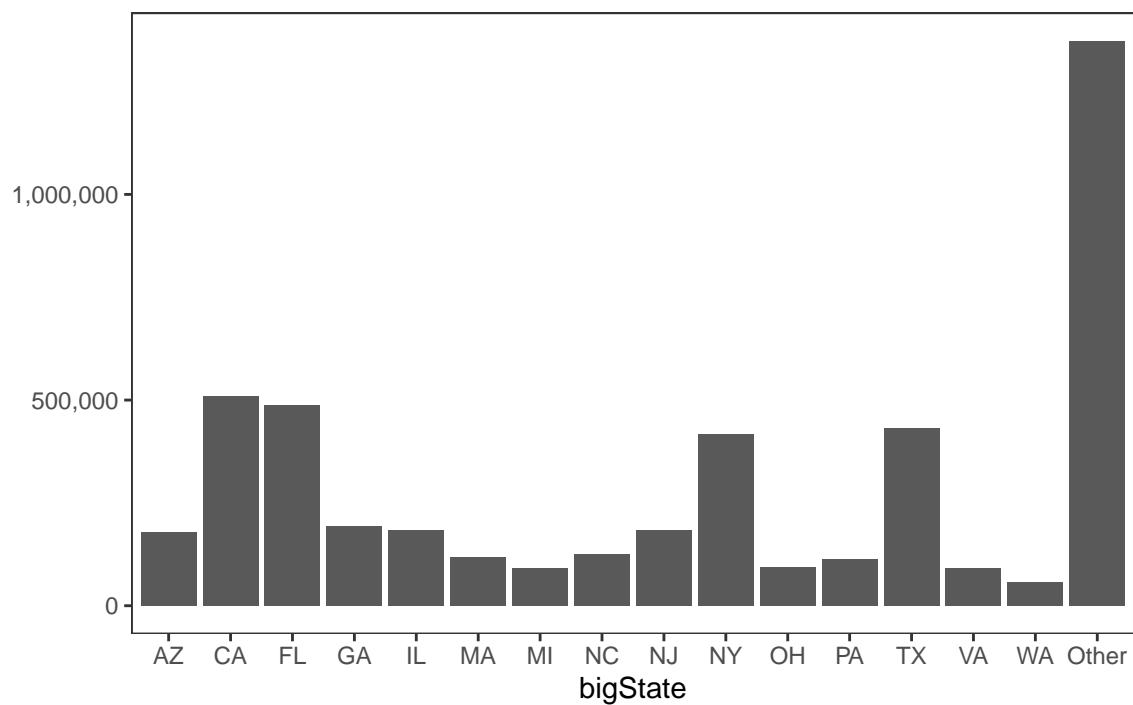
### 7-Day Change in Daily Deaths



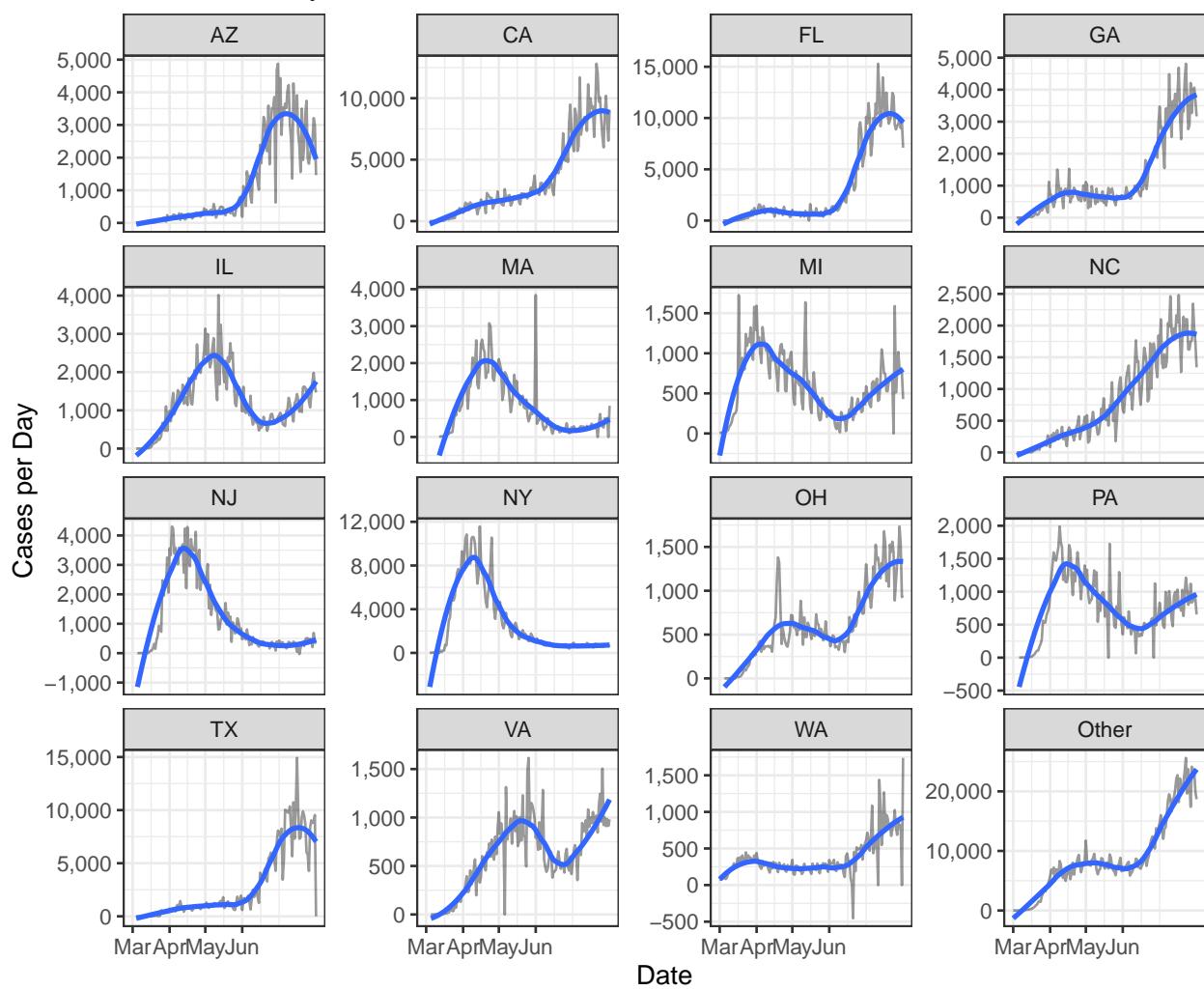


Cases

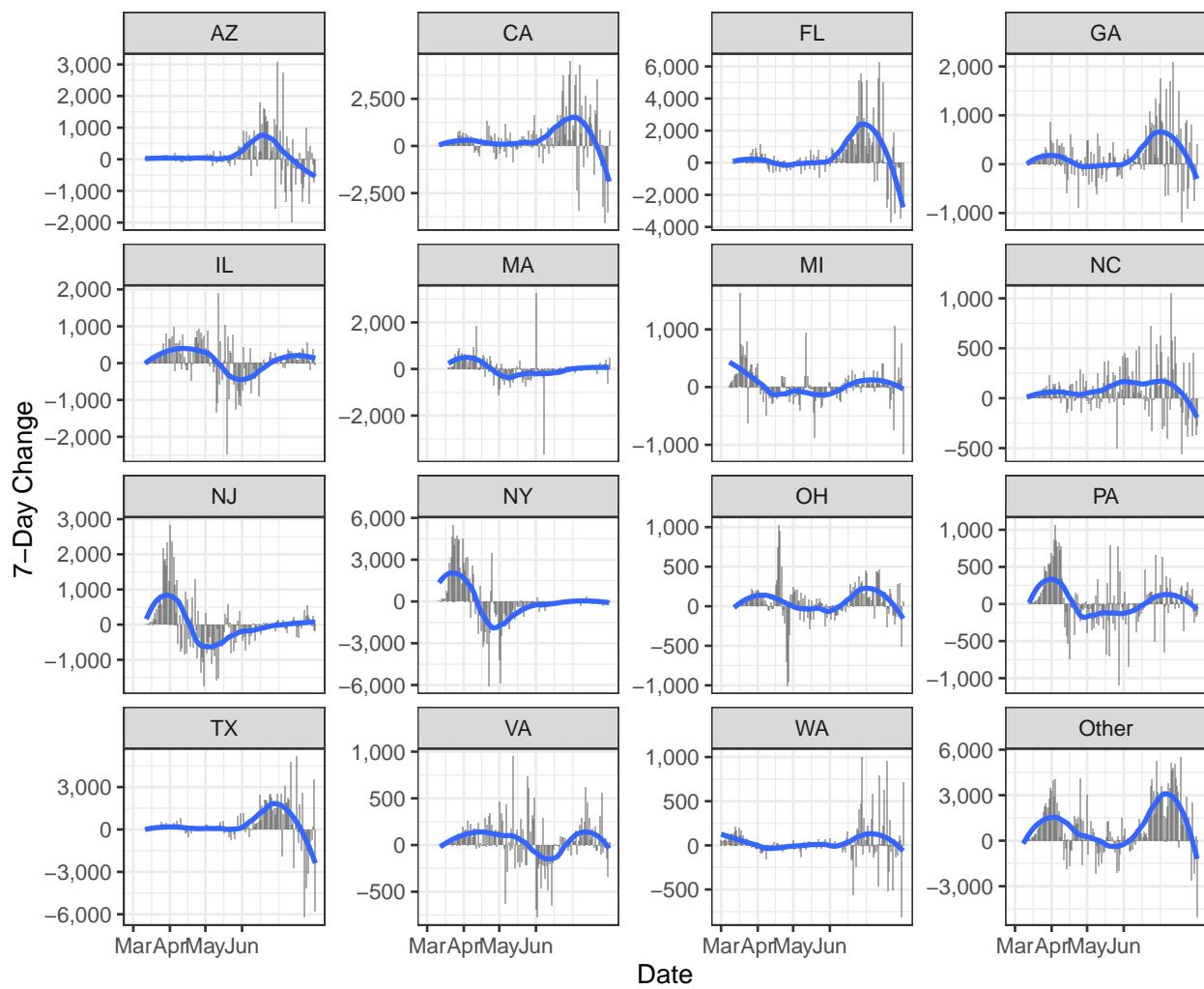
### Cases by State

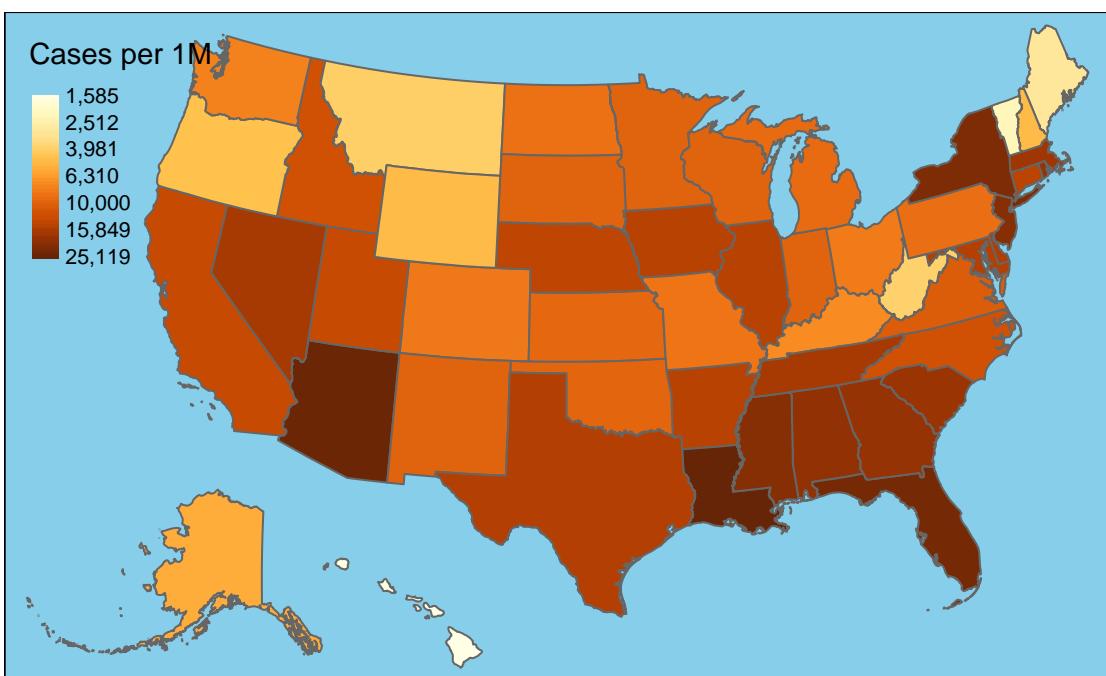
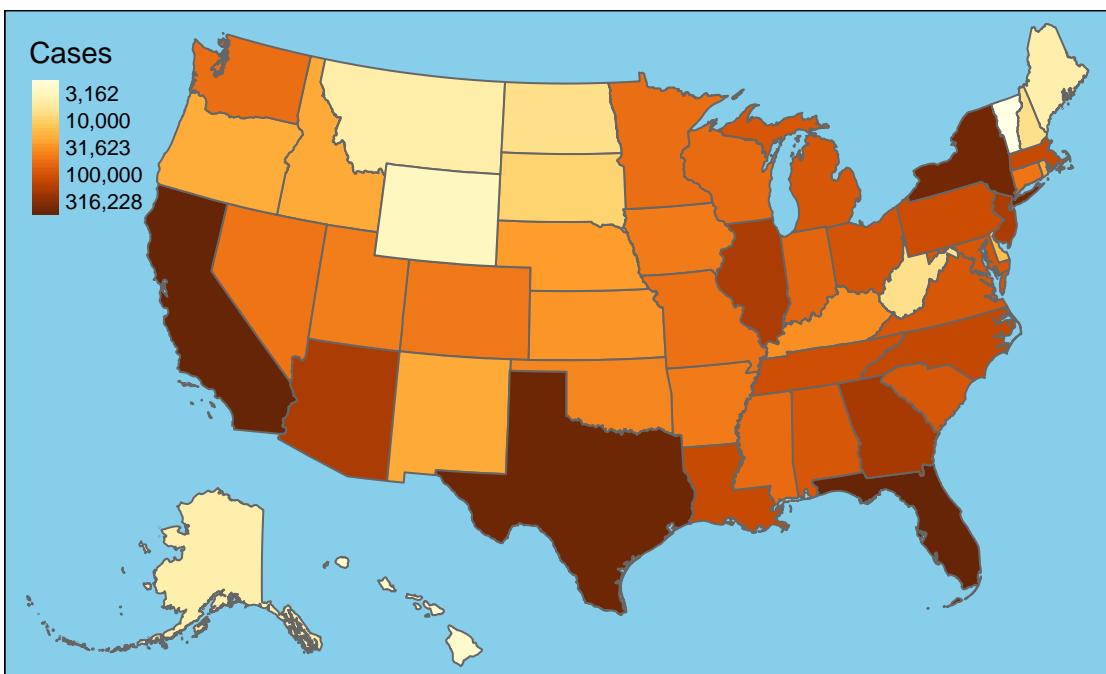


## New Cases by State

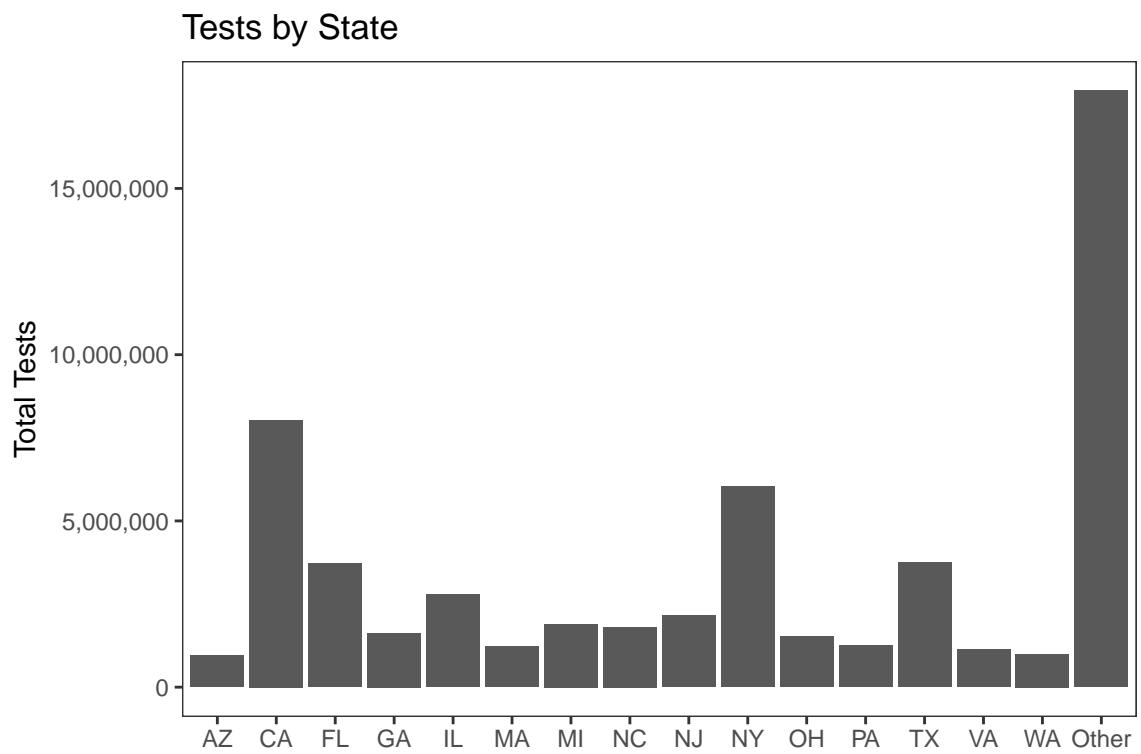


### 7-Day Change in Daily Cases

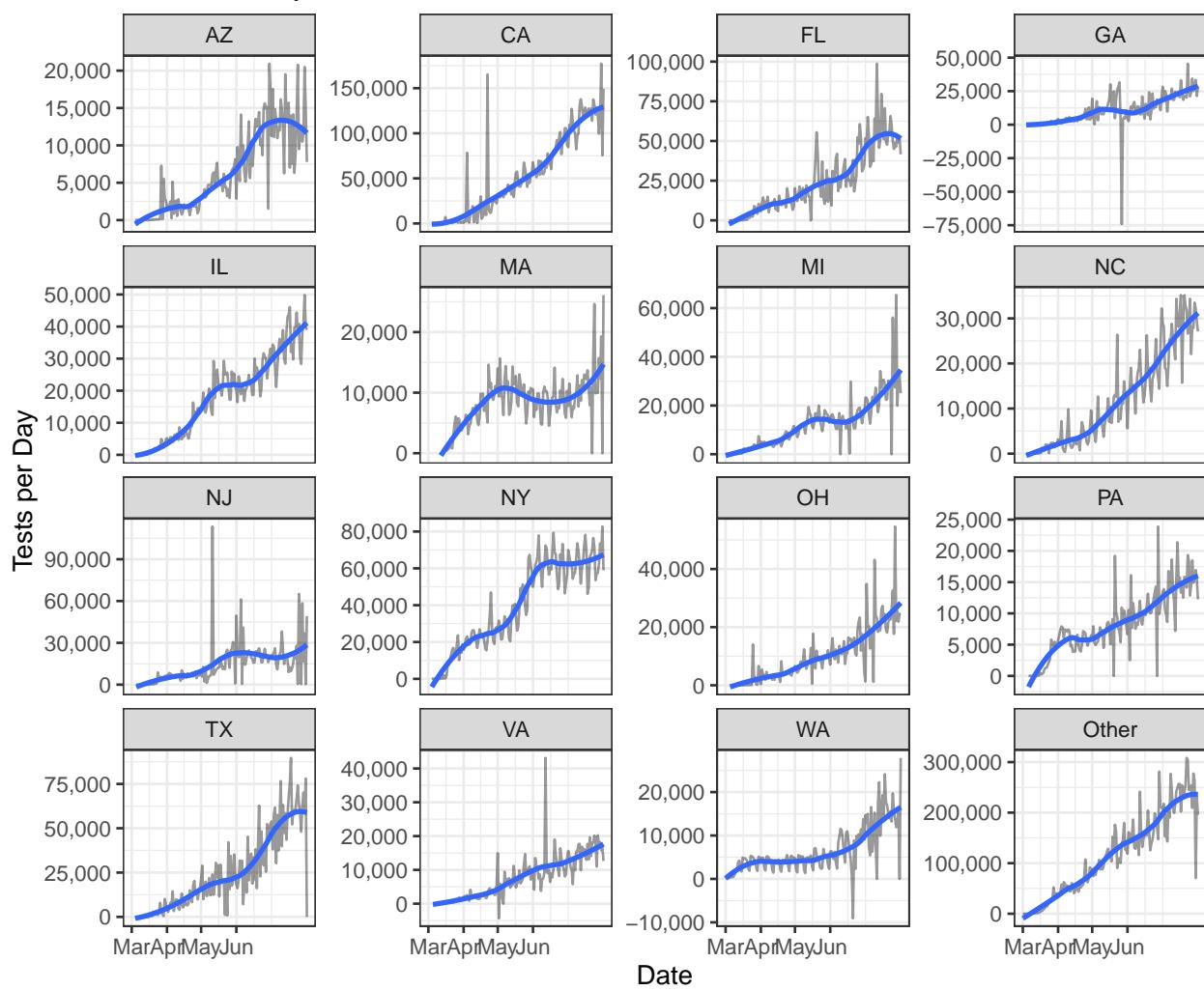


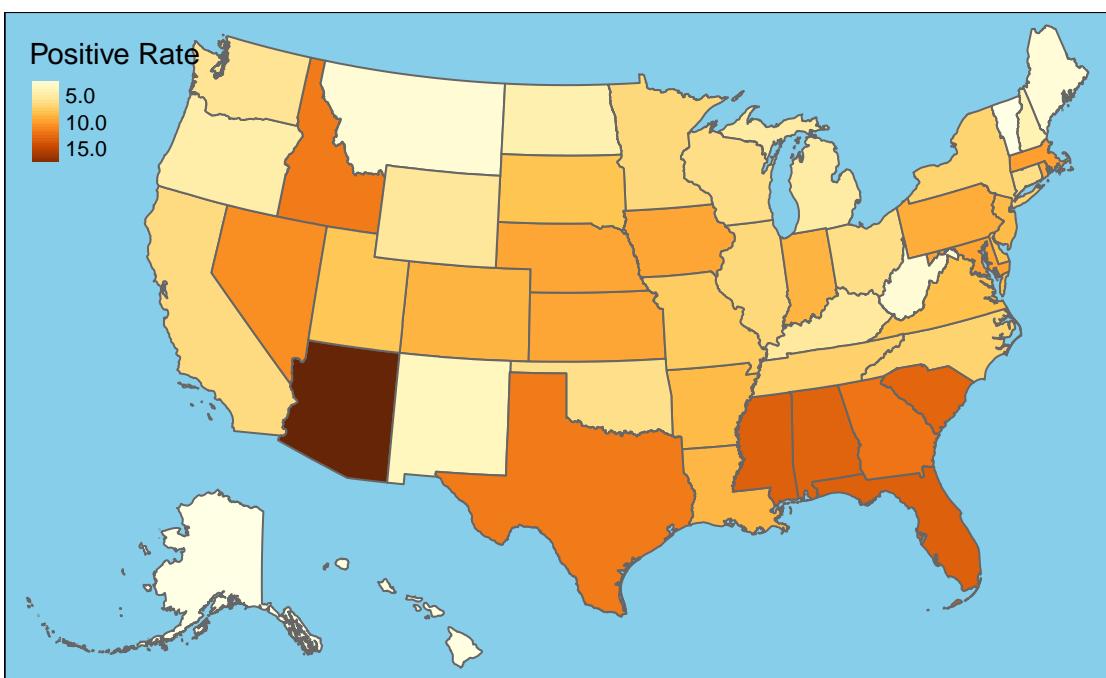
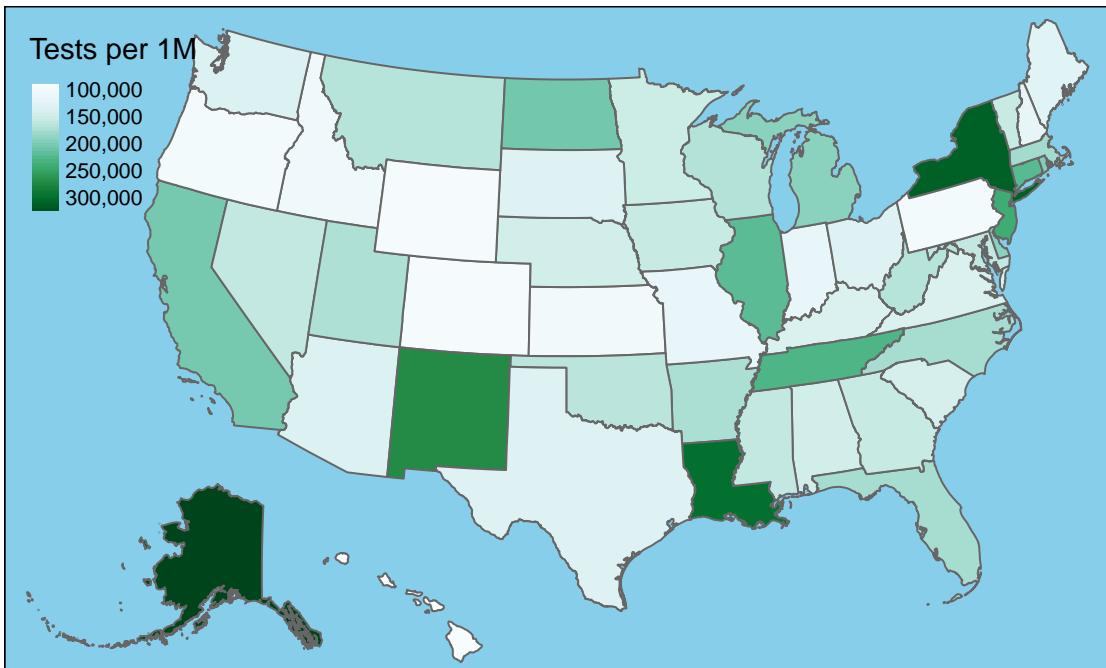


## Testing



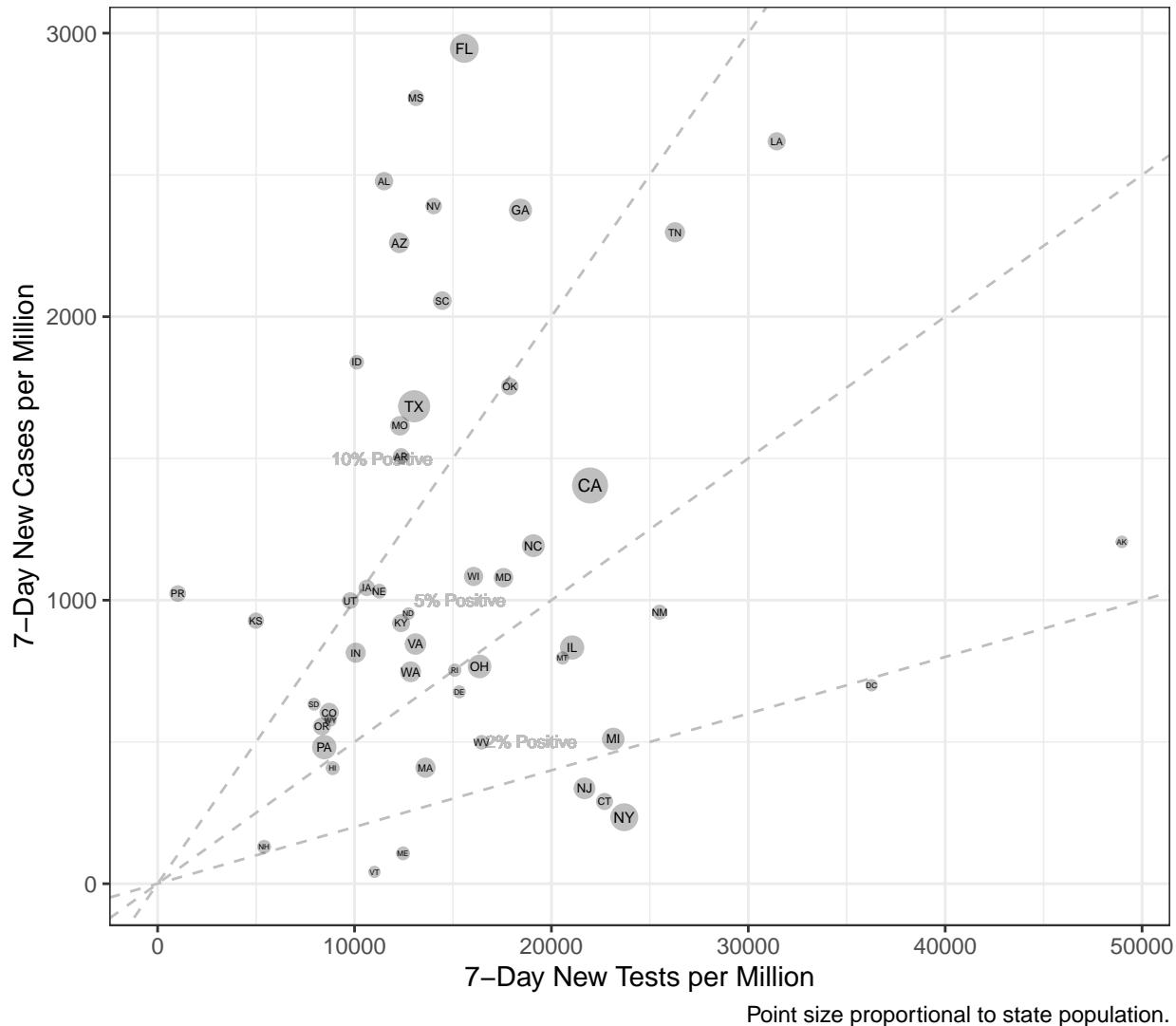
## New Tests by State





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.

Tests vs. Cases by State



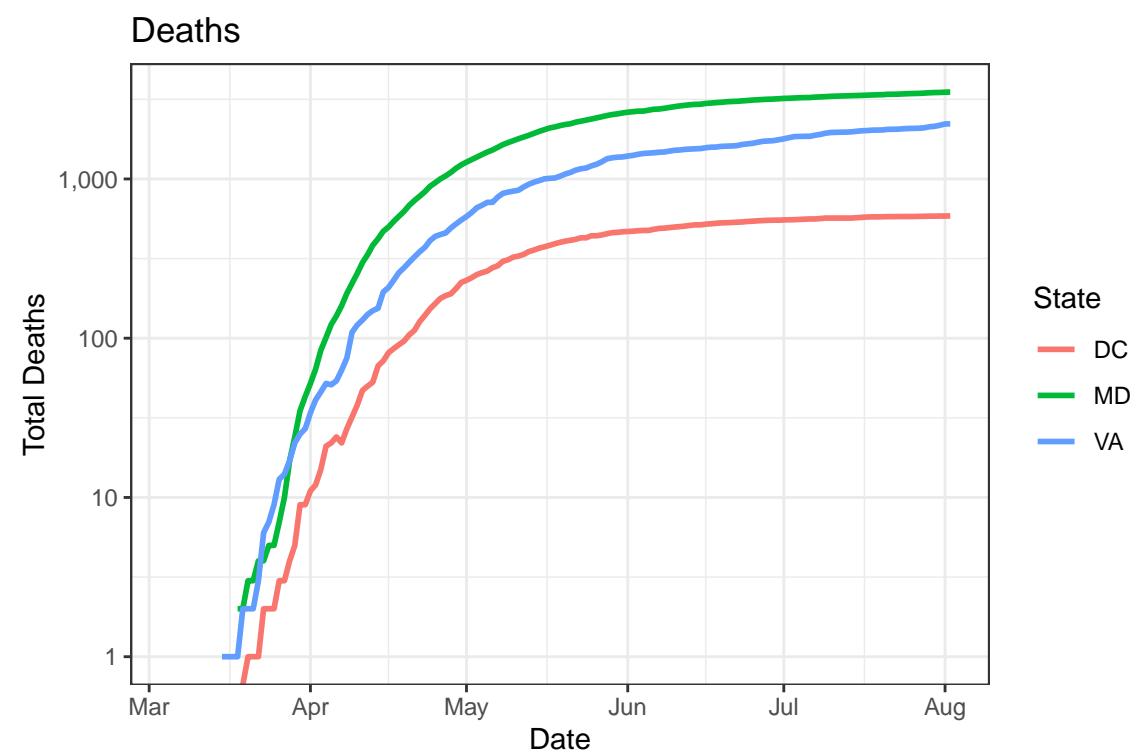
## Local Data

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

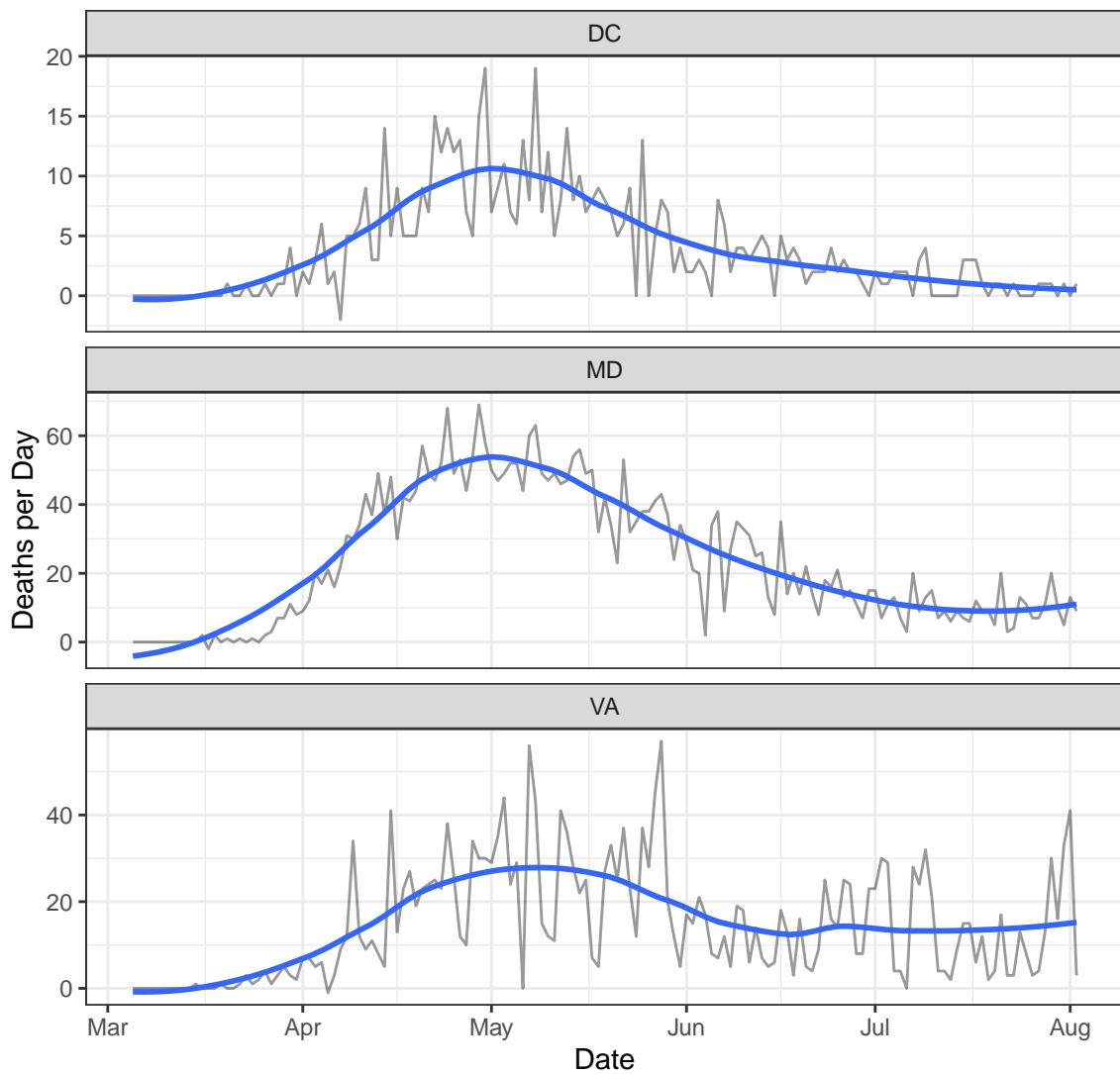
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	12,274	586	69	1
MD	90,274	3,515	909	9
VA	91,782	2,218	981	3

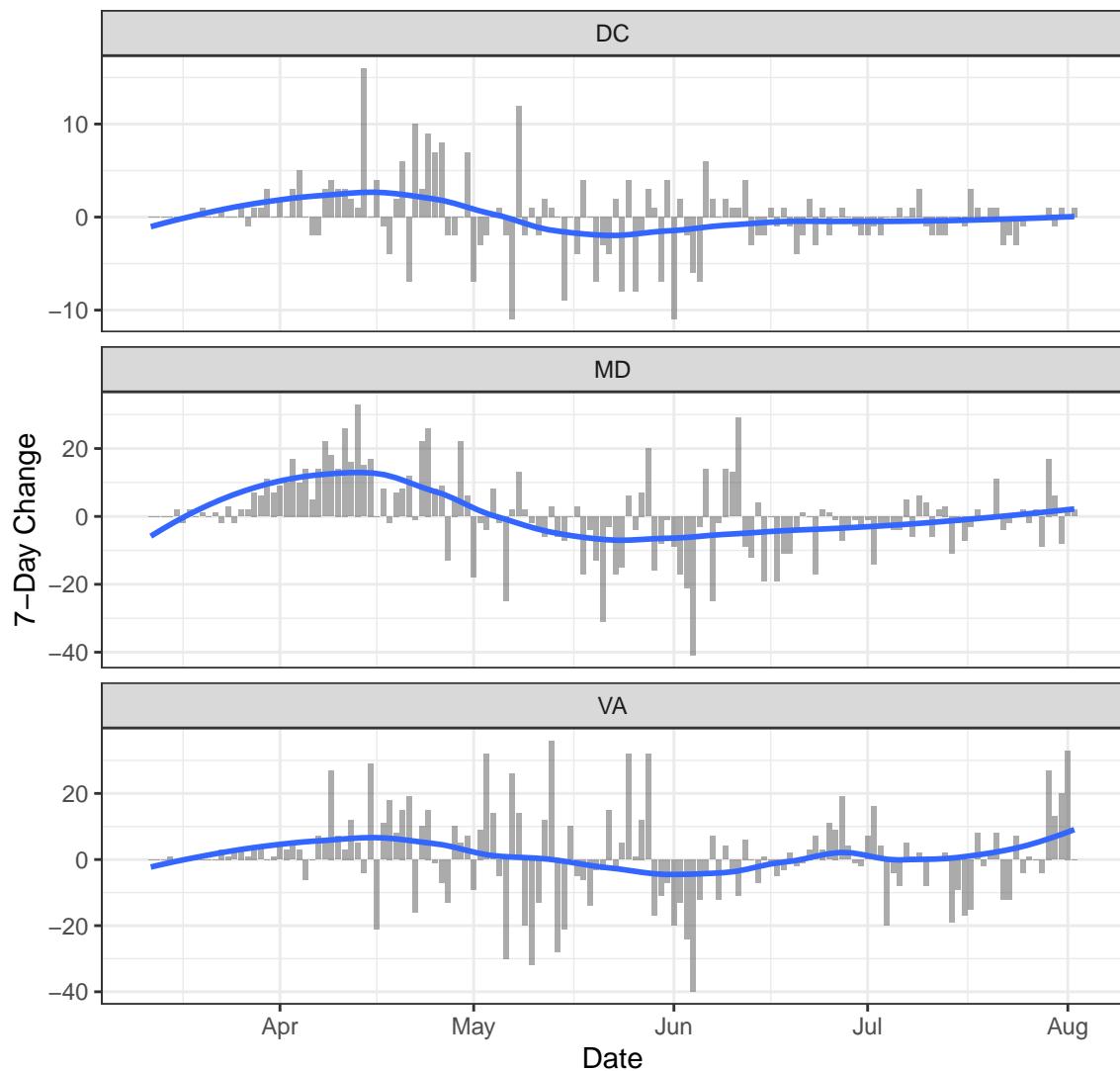
## Deaths

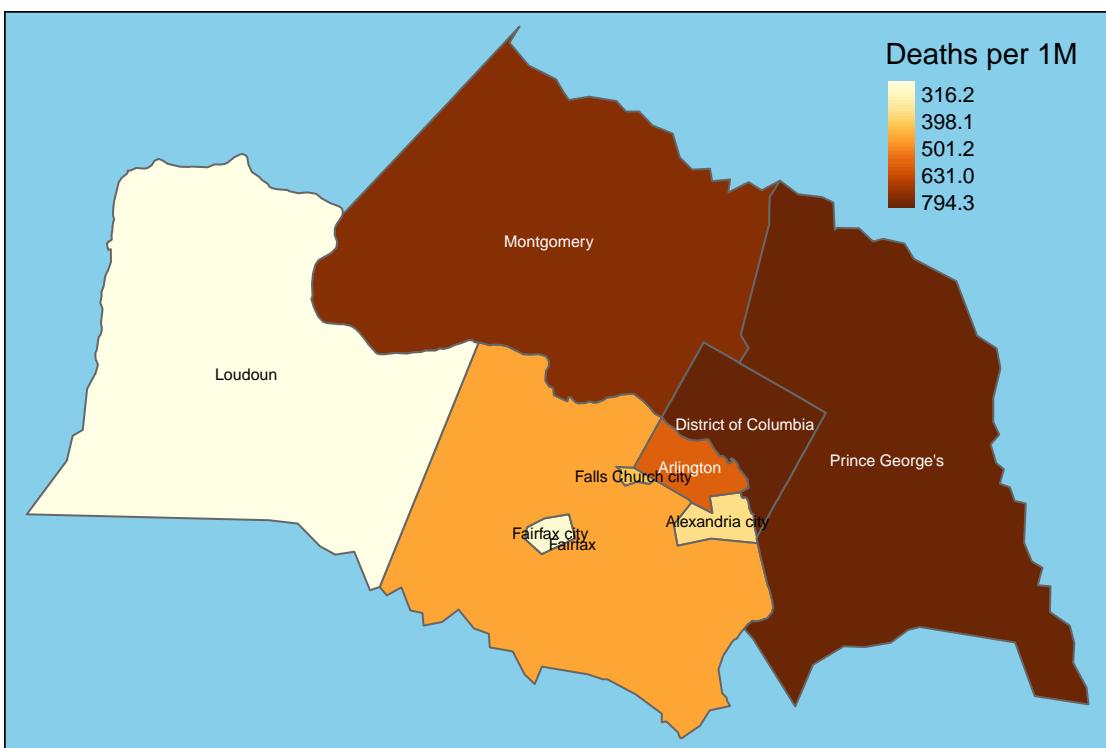
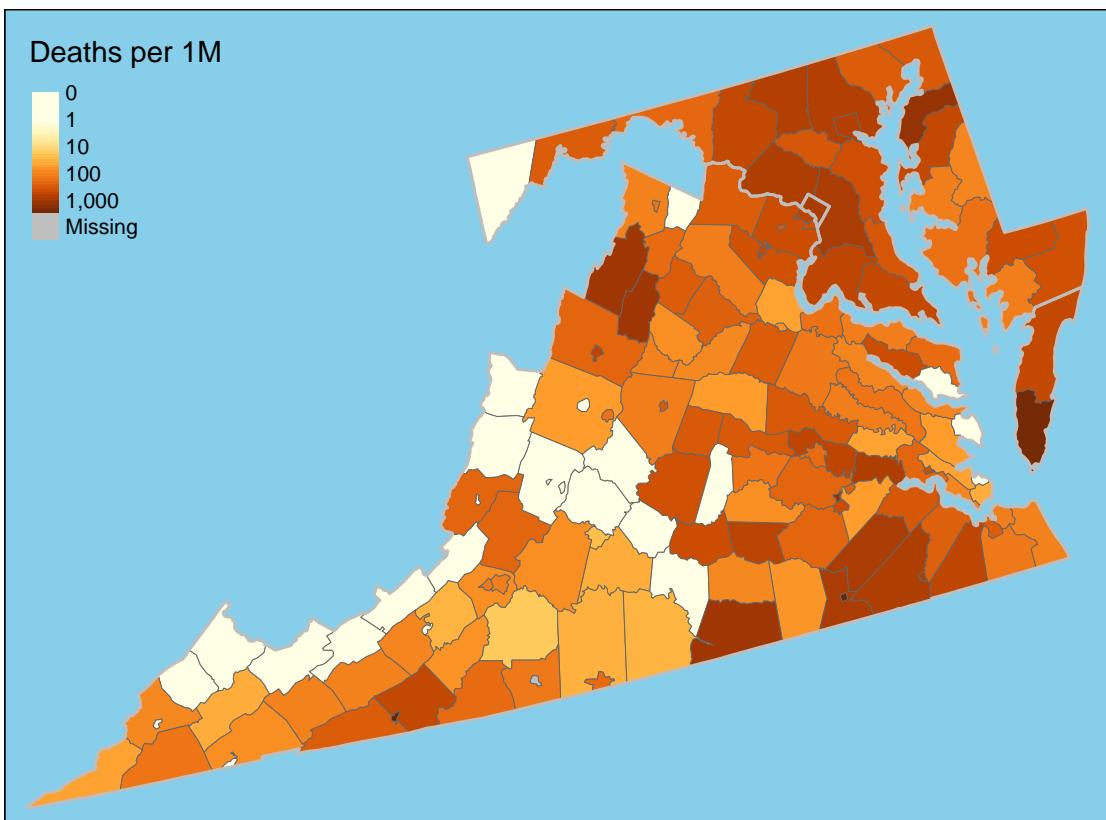


## New Deaths

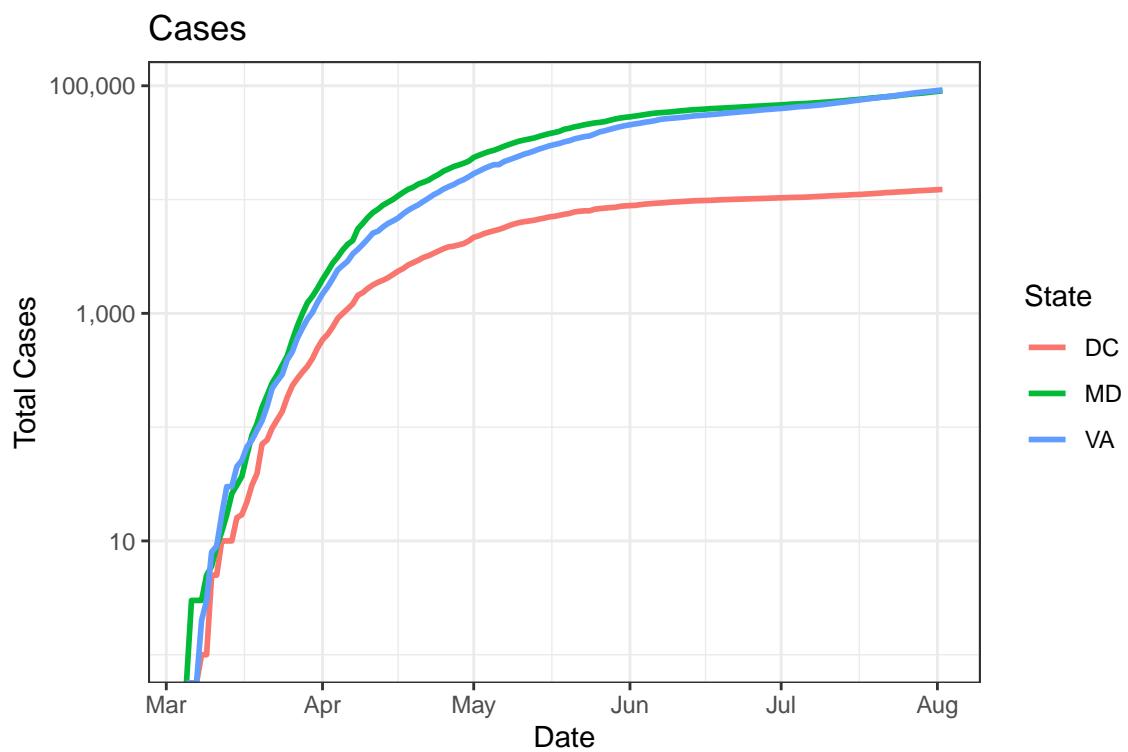


## One-Week Change in Daily Deaths

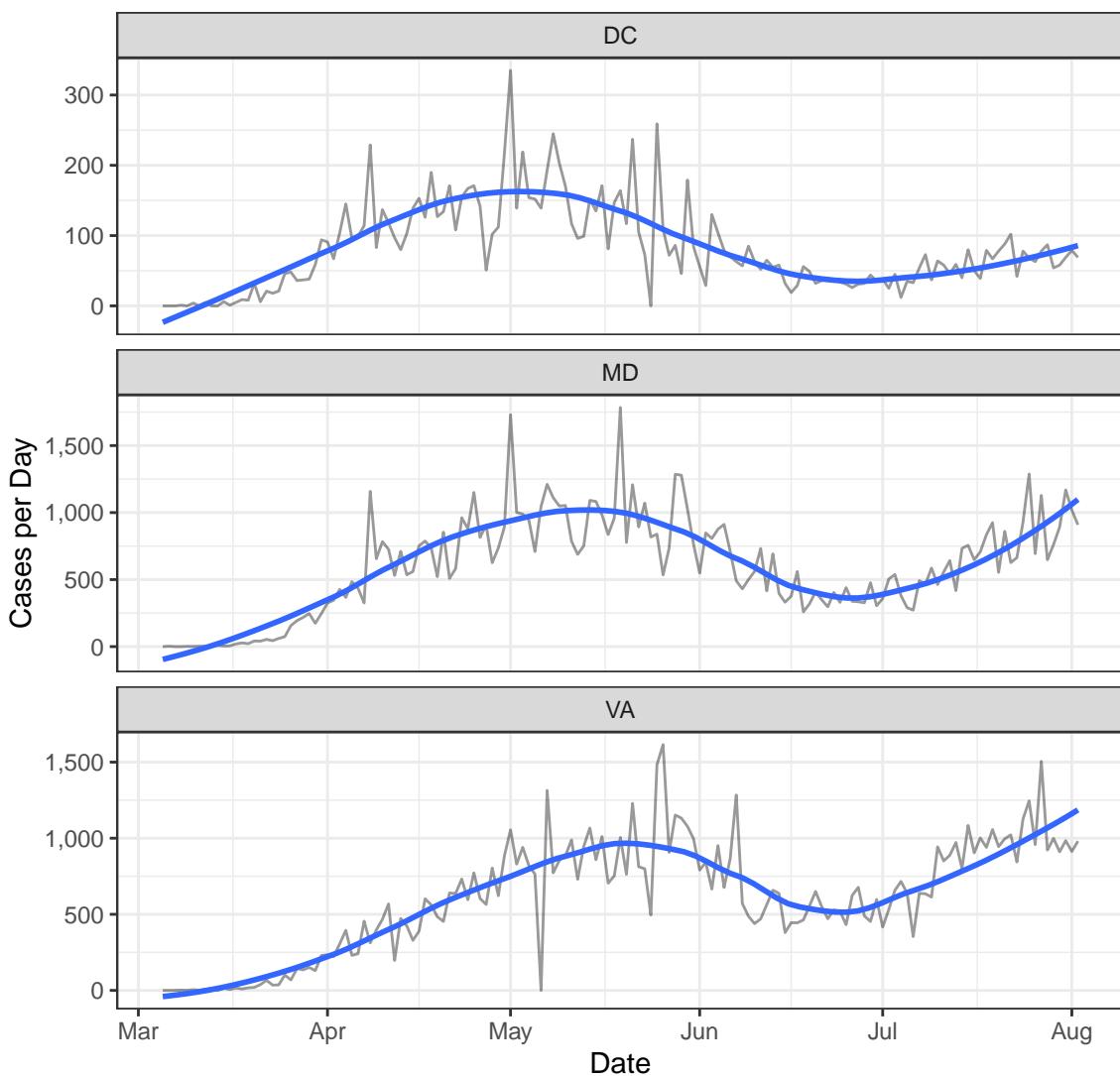




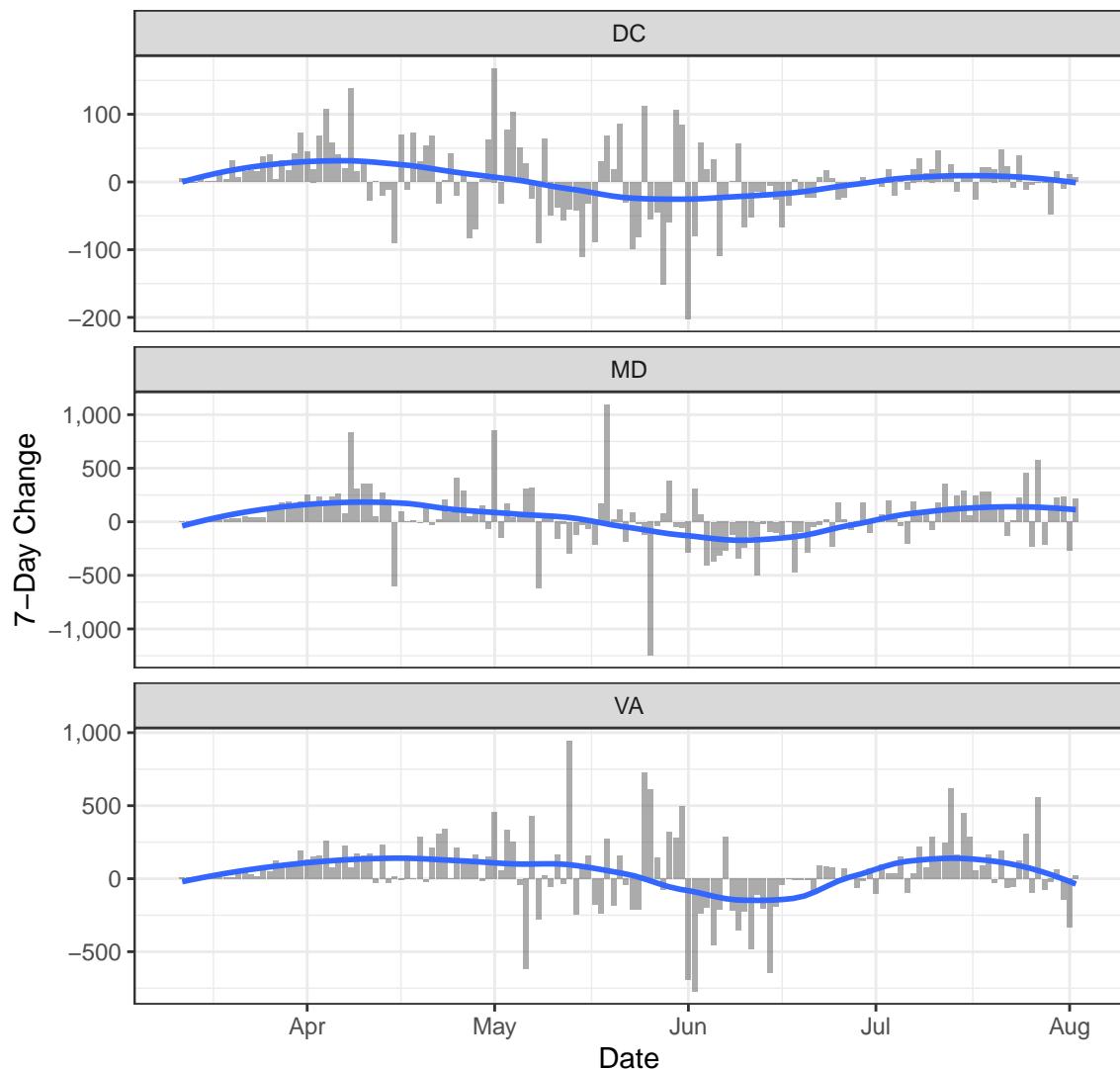
Cases

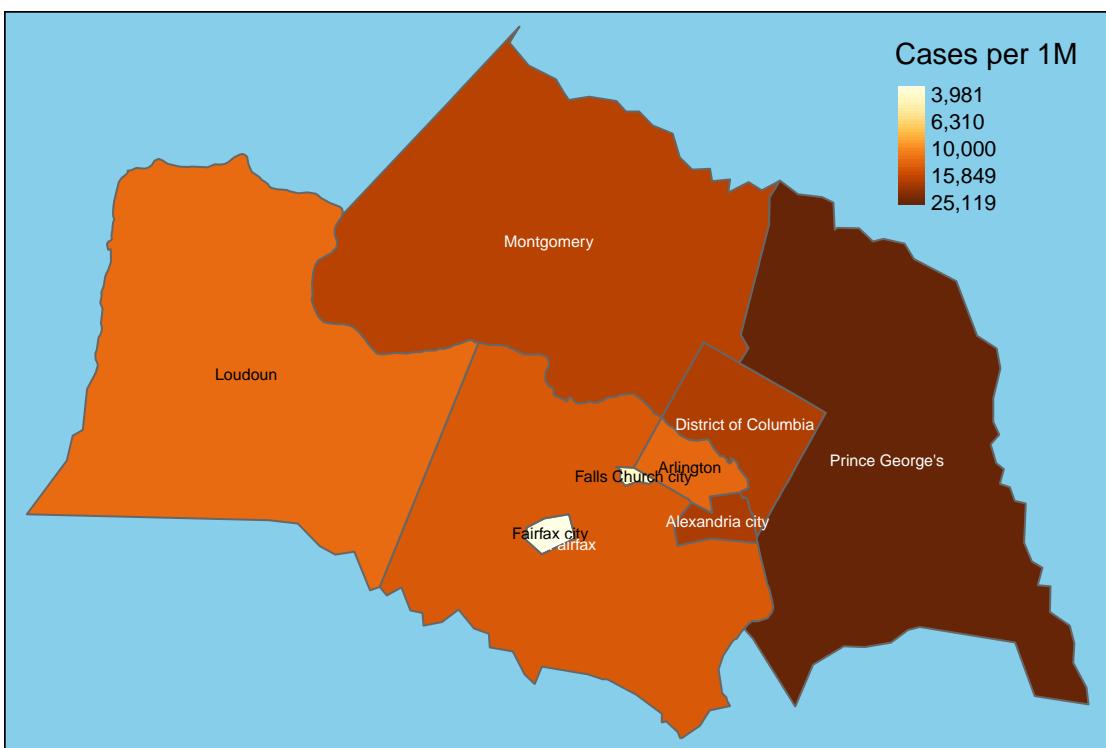
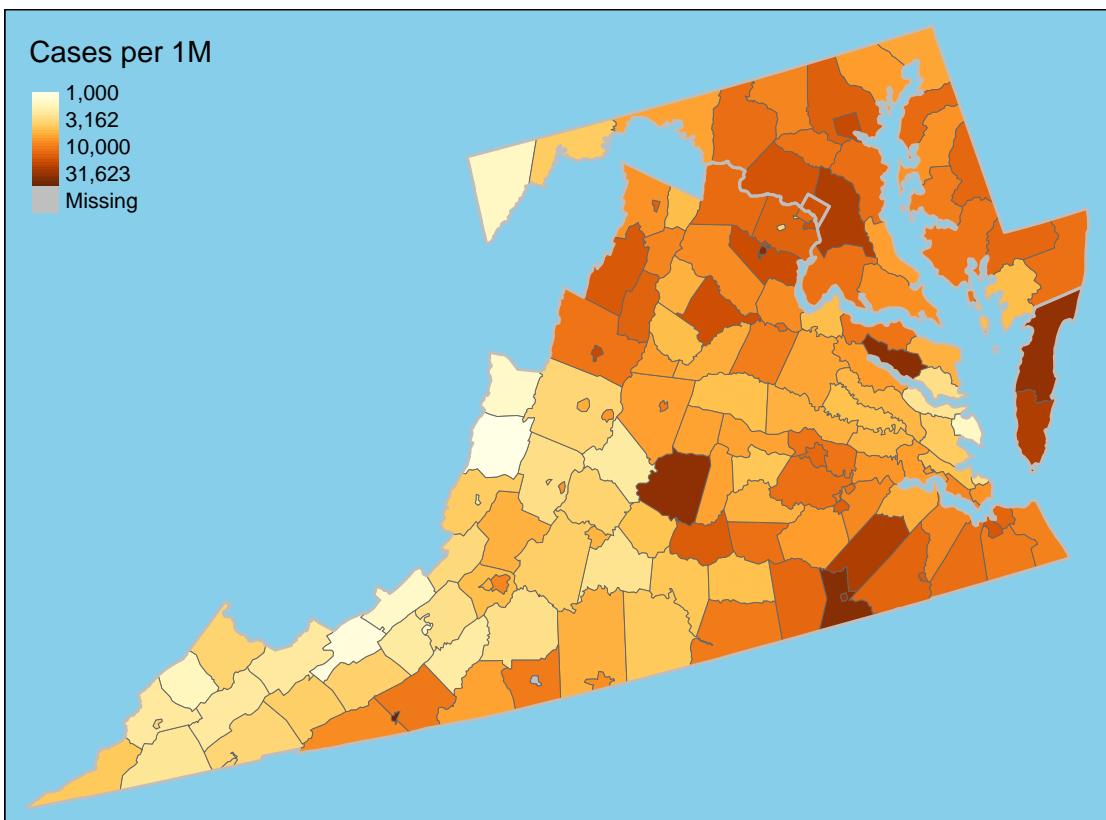


## New Cases

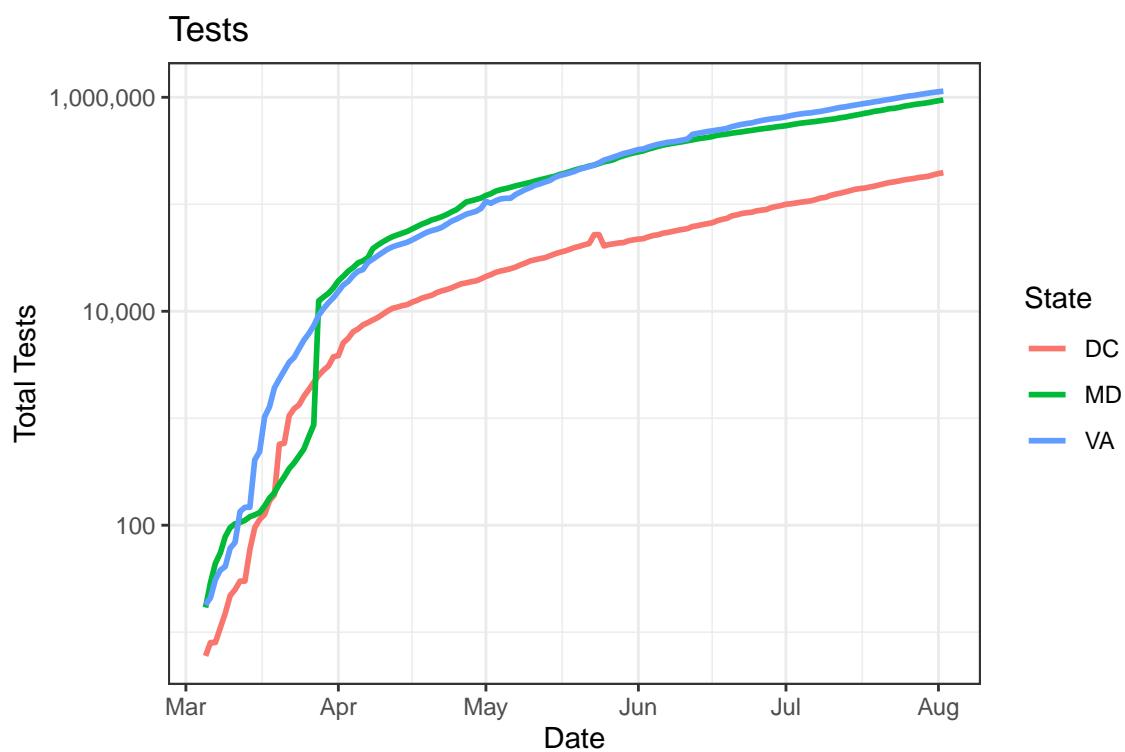


## One-Week Change in Daily Cases

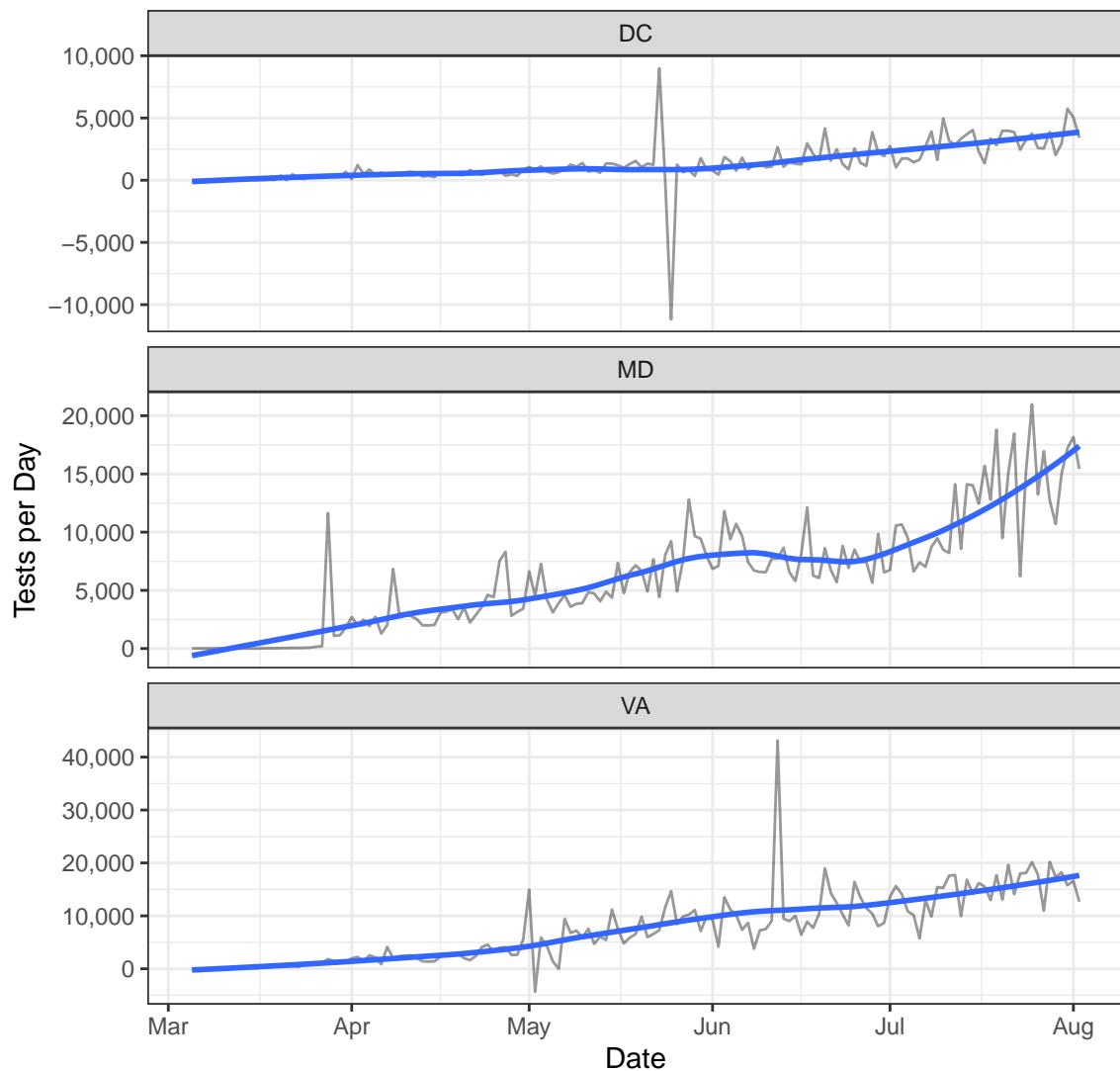




## Testing



## New Tests



## Positive Test Rate

