

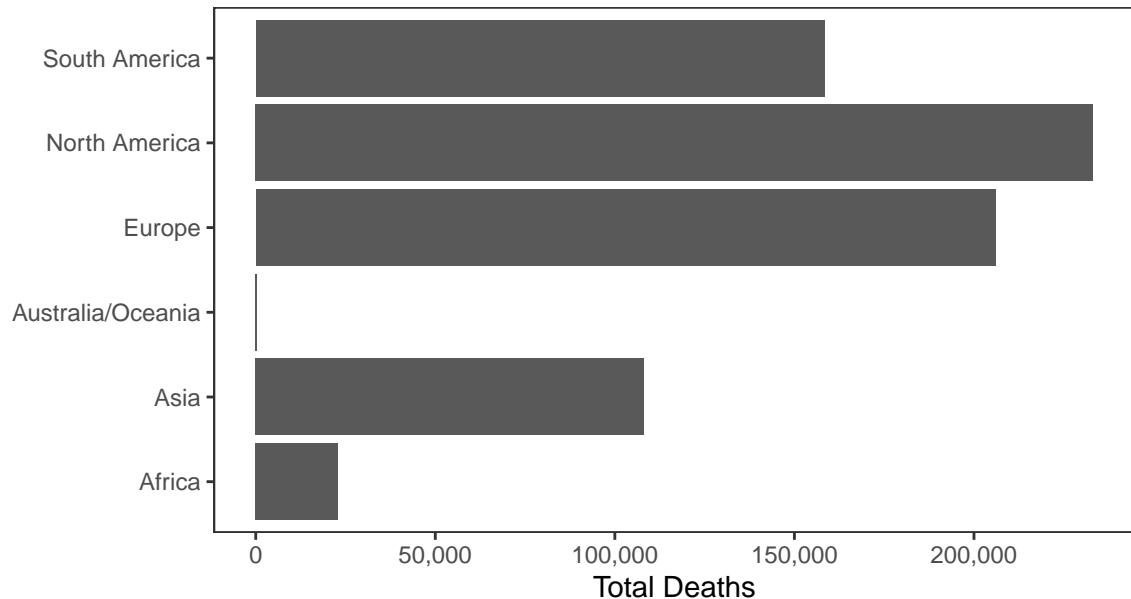
# Erik's Covid-19 Chart Pack

Data updated 2020-08-09 18:08:55. 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 19,796,949 confirmed Covid-19 cases and 728,816 deaths worldwide.

**Deaths**



**Cases**

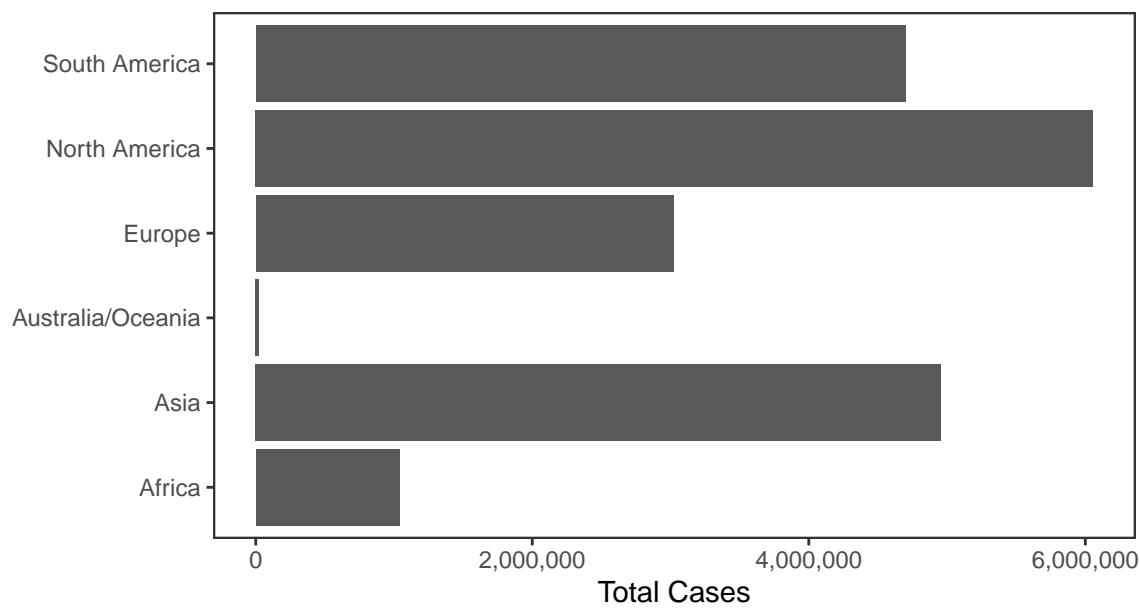
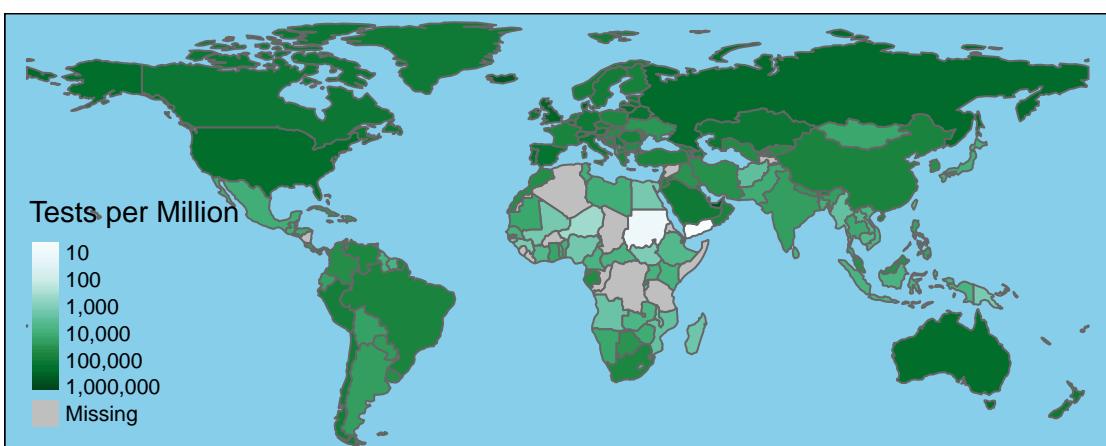
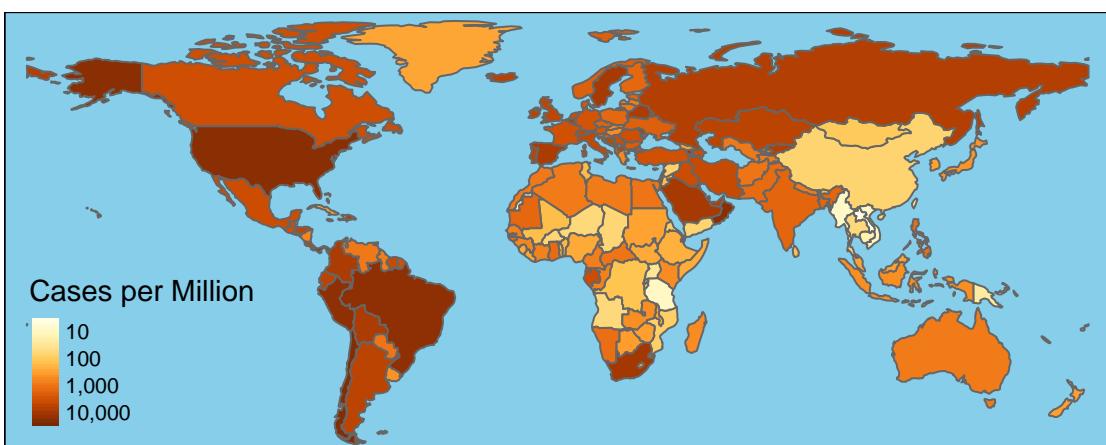
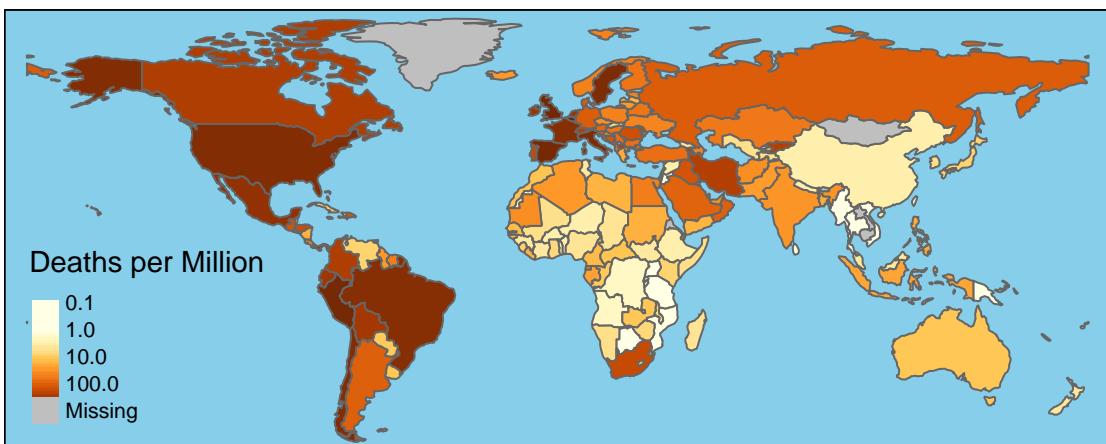


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	5,151,595	165,090	56,071	996
Brazil	3,013,369	100,543	46,305	841
India	2,152,020	43,453	65,156	875
Russia	882,347	14,854	5,212	129
South Africa	553,188	10,210	7,712	301
Peru	471,012	20,844	7,137	195
Mexico	469,407	51,311	6,717	794
Colombia	376,870	12,540	9,674	290
Chile	371,023	10,011	2,198	53
Spain	361,442	28,503	0	0
Iran	324,692	18,264	2,125	132
UK	309,763	46,566	758	55
Saudi Arabia	287,262	3,130	1,469	37
Pakistan	283,487	6,068	842	16
Bangladesh	255,113	3,365	2,611	32
Italy	250,103	35,203	347	13
Argentina	241,811	4,523	6,134	112
Turkey	239,622	5,829	1,172	16
Germany	216,896	9,261	581	7
France	197,921	30,324	0	0



## National Data

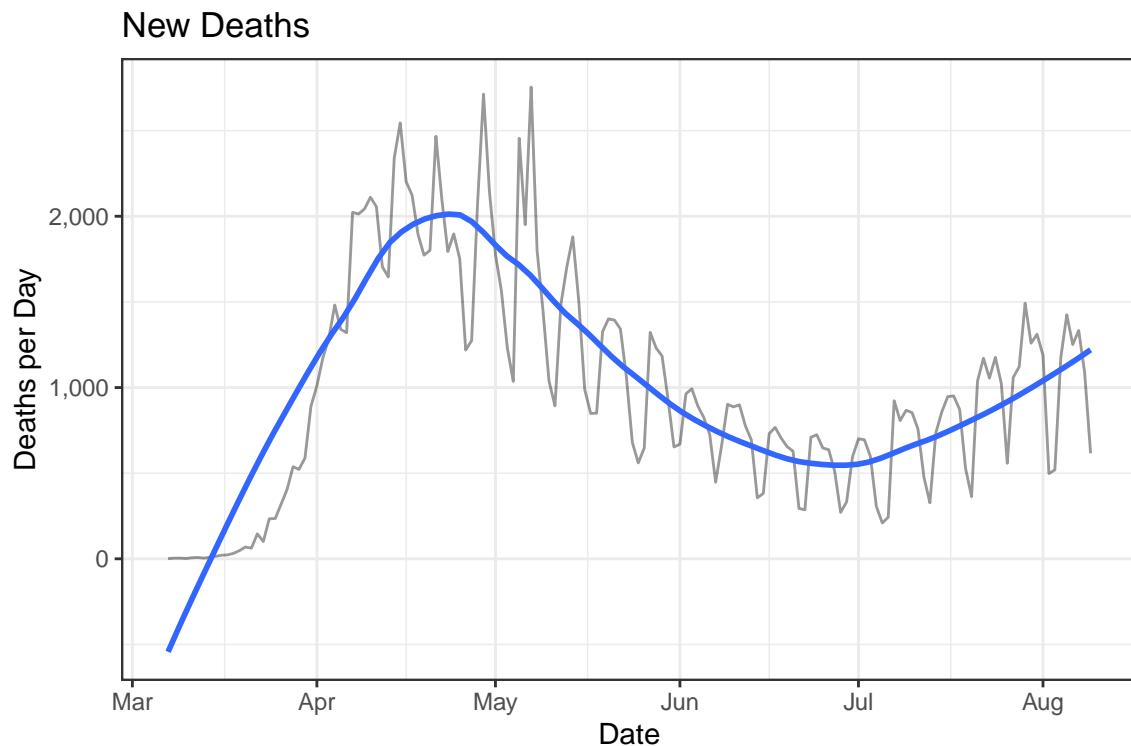
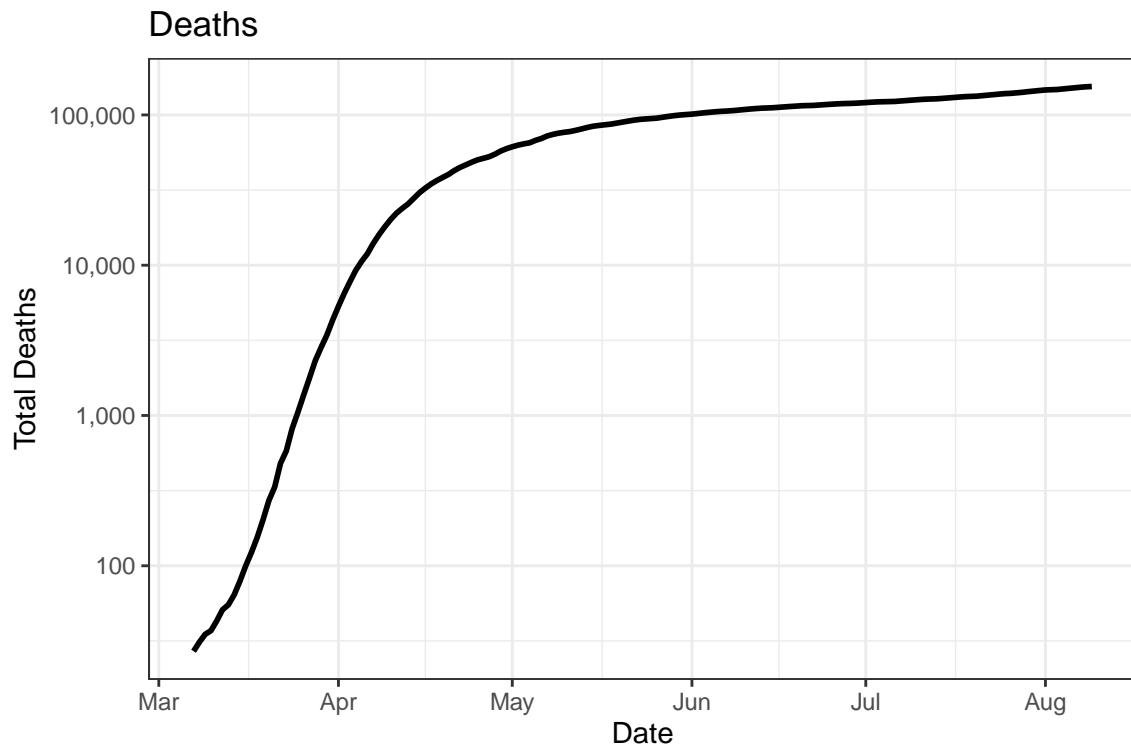
There have been 5,018,877 confirmed Covid-19 cases and 154,520 deaths in the United States.

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

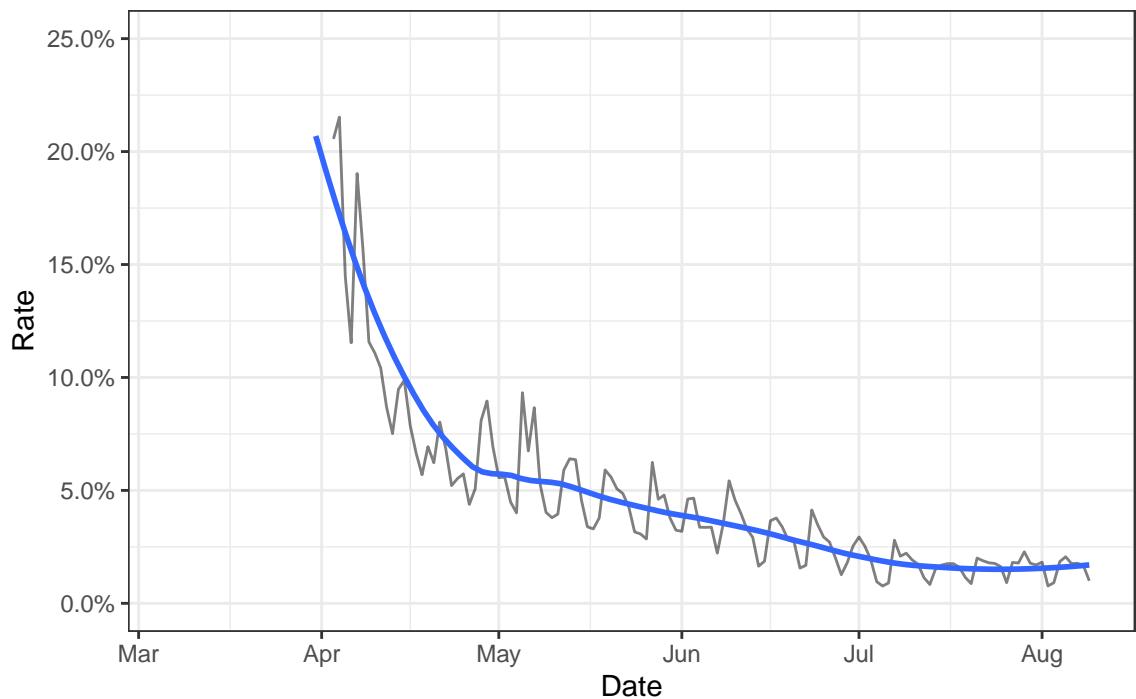
Date	Cases	Deaths	New Cases	New Deaths
2020-08-09	5,018,877	154,520	51,291	616
2020-08-08	4,967,586	153,904	53,923	1,088
2020-08-07	4,913,663	152,816	61,520	1,333
2020-08-06	4,852,143	151,483	54,184	1,251
2020-08-05	4,797,959	150,232	52,265	1,425
2020-08-04	4,745,694	148,807	51,568	1,176
2020-08-03	4,694,126	147,631	49,561	519
2020-08-02	4,644,565	147,112	48,266	498
2020-08-01	4,596,299	146,614	60,692	1,189
2020-07-31	4,535,607	145,425	67,755	1,311
2020-07-30	4,467,852	144,114	69,466	1,259
2020-07-29	4,398,386	142,855	66,969	1,492
2020-07-28	4,331,417	141,363	56,229	1,121
2020-07-27	4,275,188	140,242	55,134	1,059

## Deaths

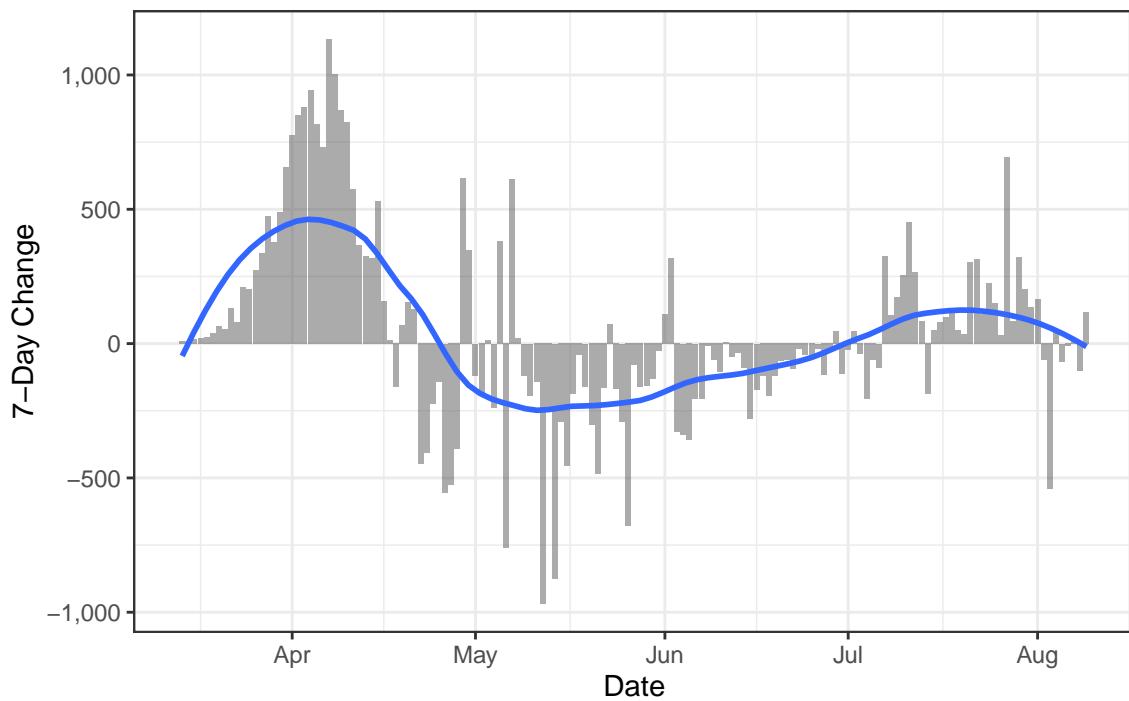
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

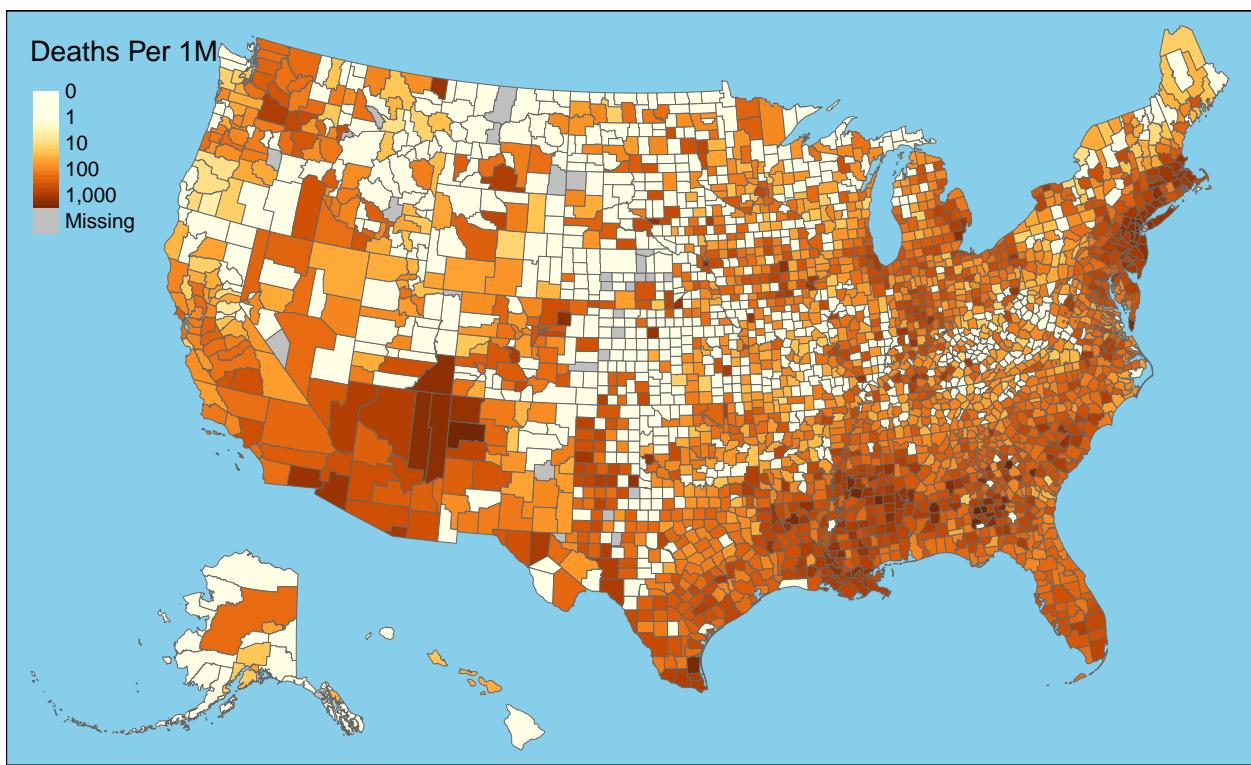


Daily Case Mortality Rate



One-Week Change in Daily Deaths

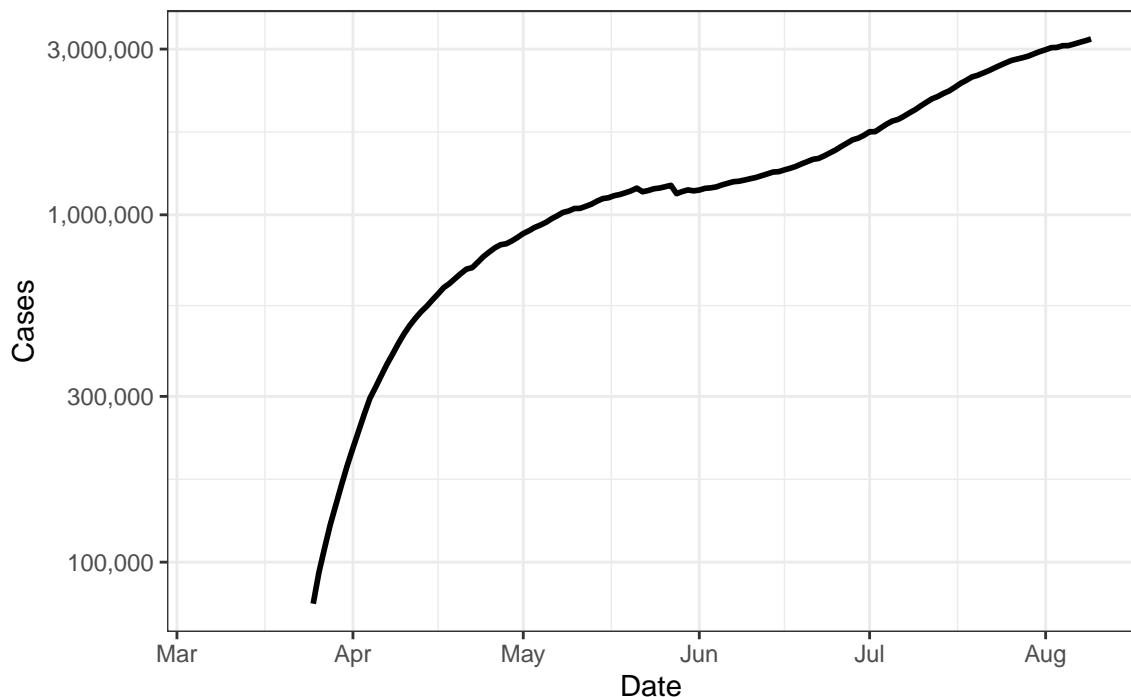




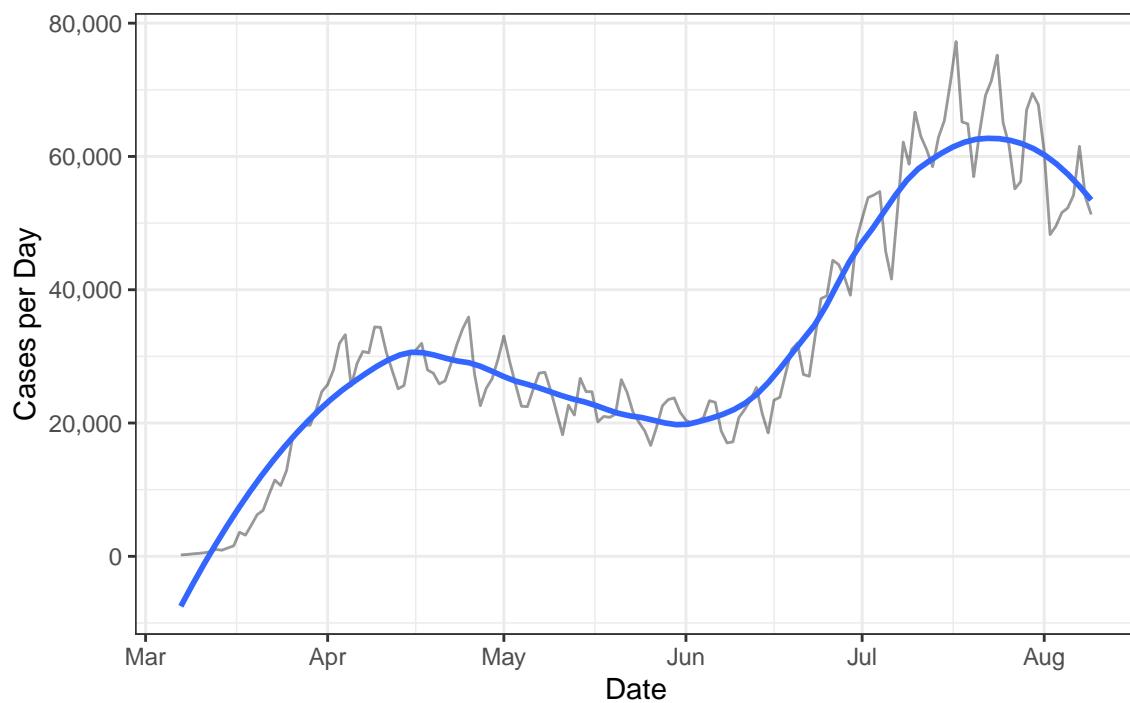
## Cases

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

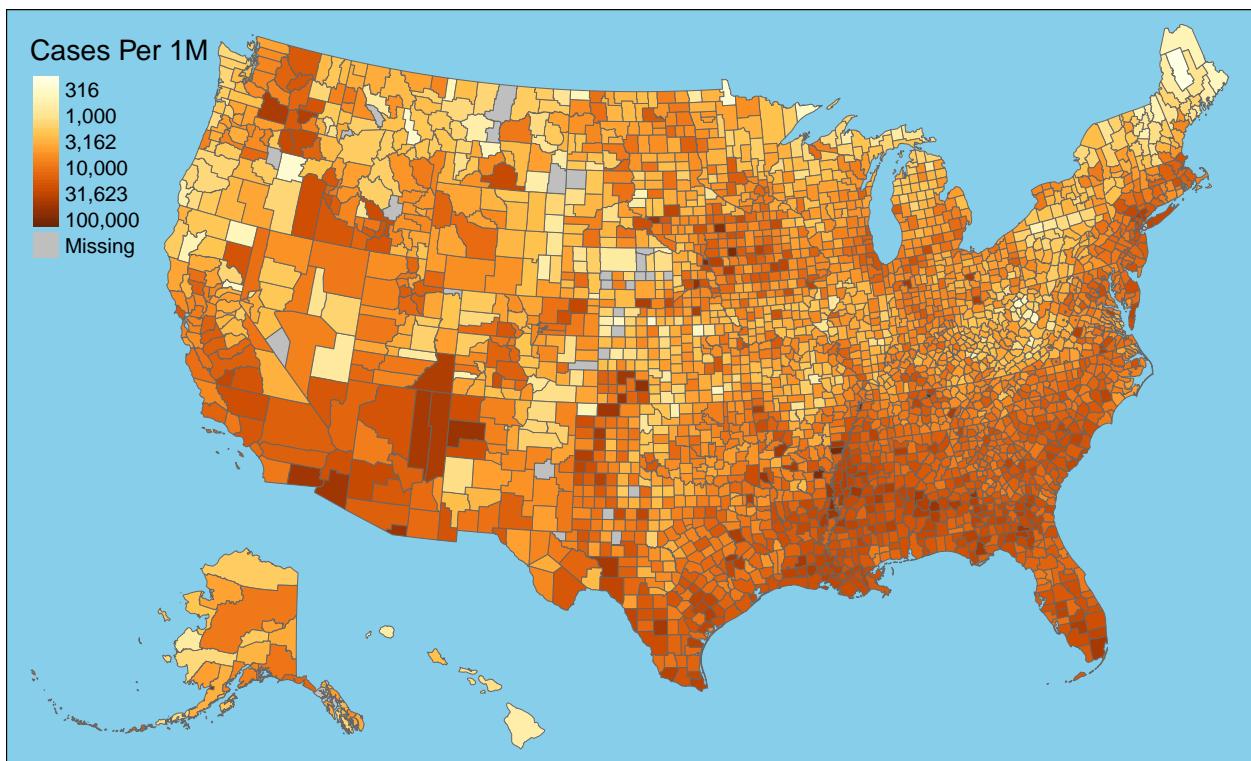
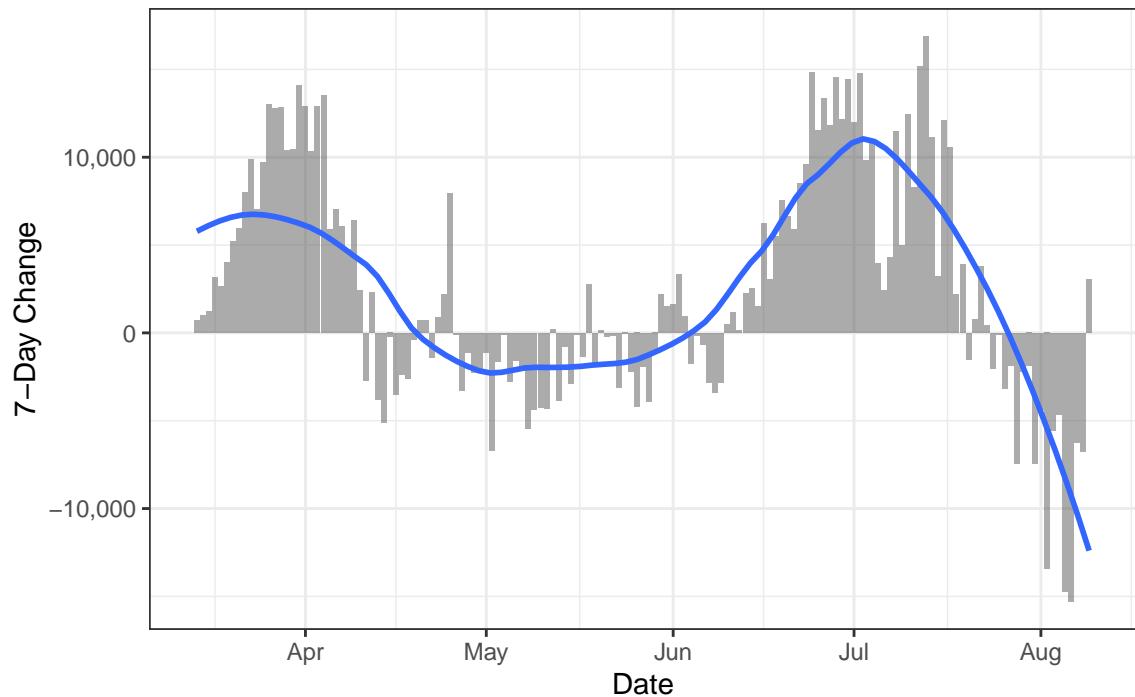
### Active Cases



### New Cases

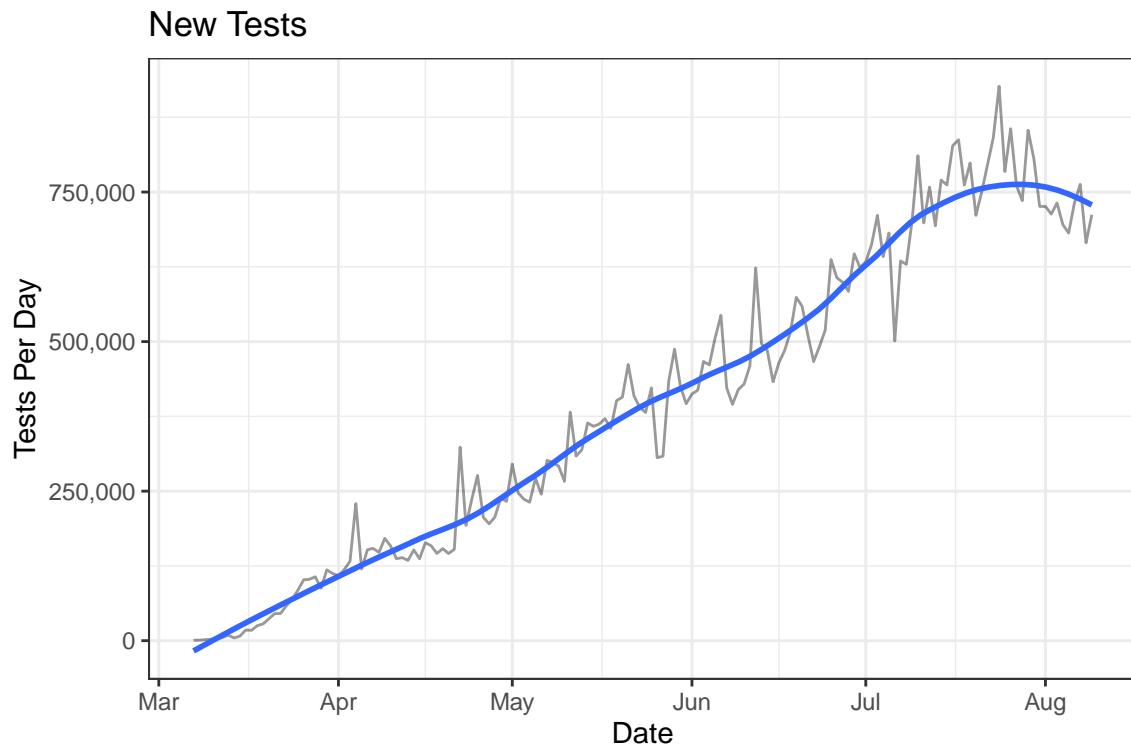
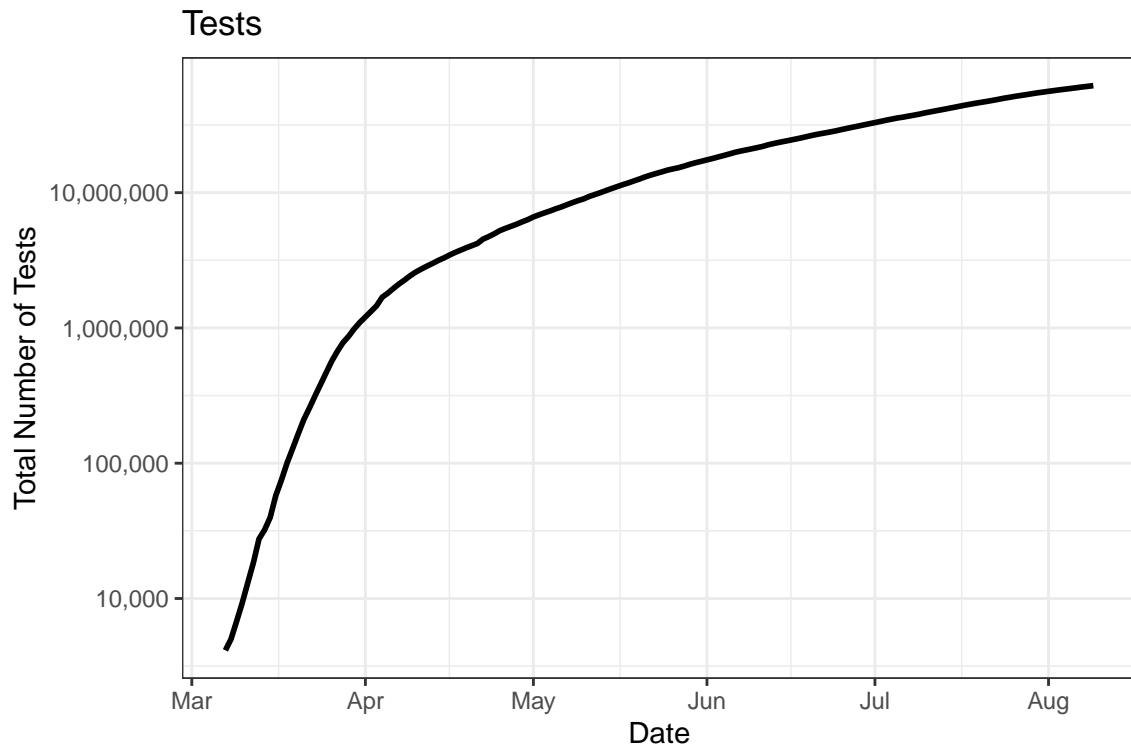


## One-Week Change in Daily Cases

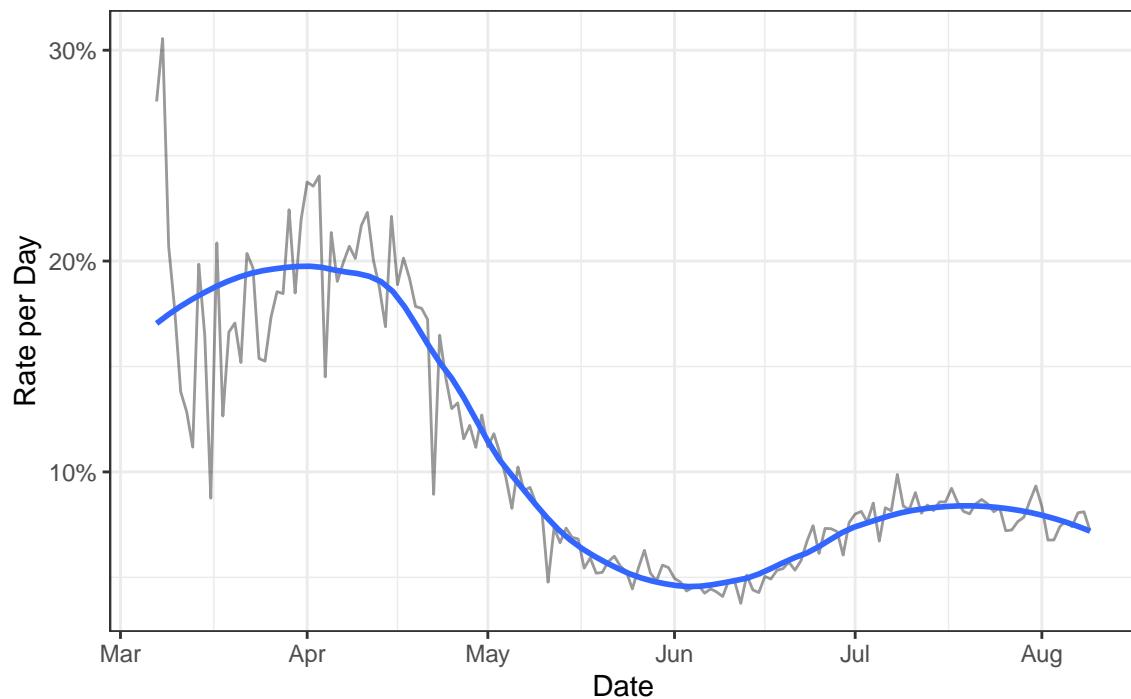


## Testing

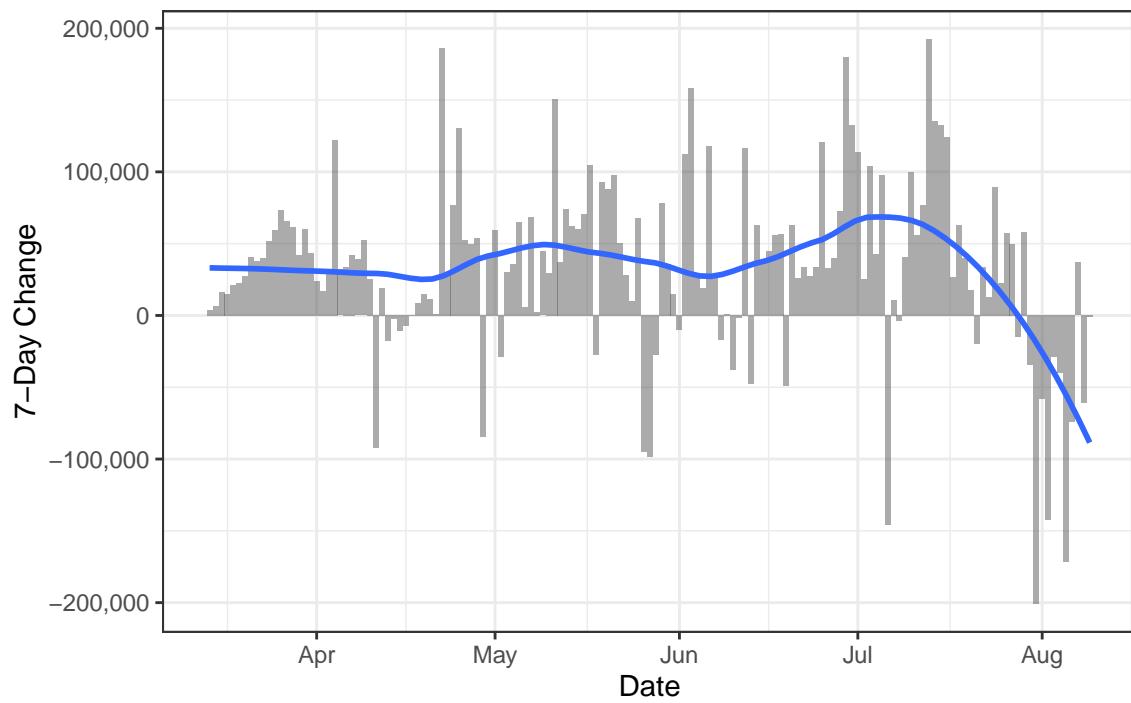
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



### Positive Test Rate



### One-Week Change in Daily Tests

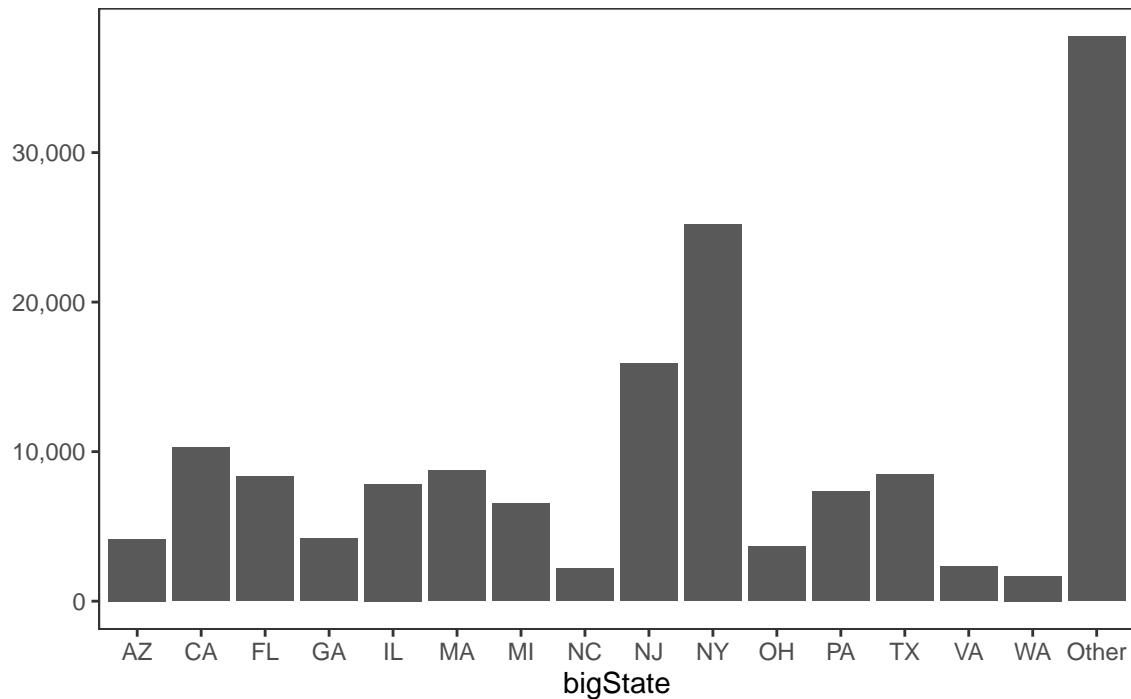


## State Data

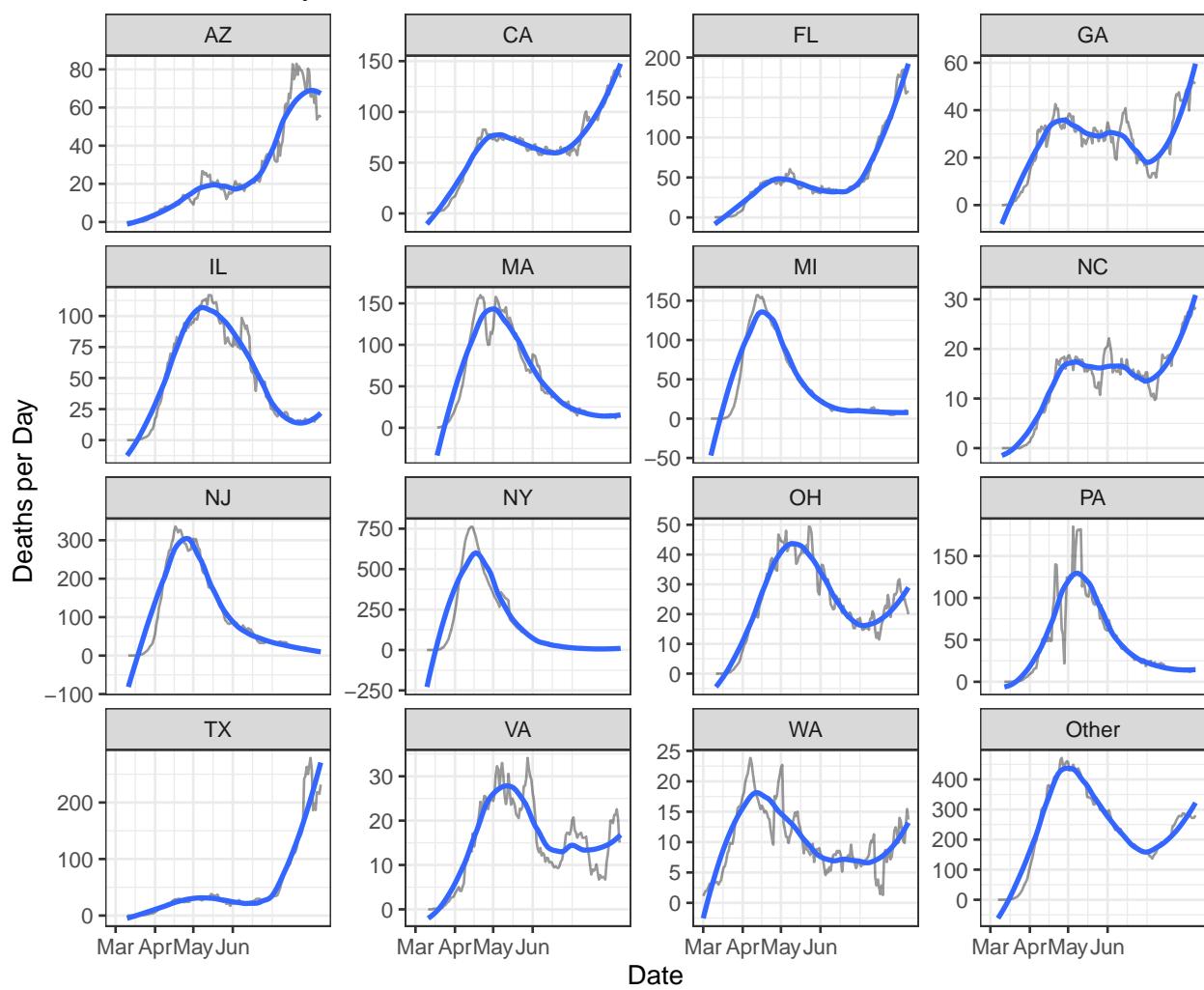
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

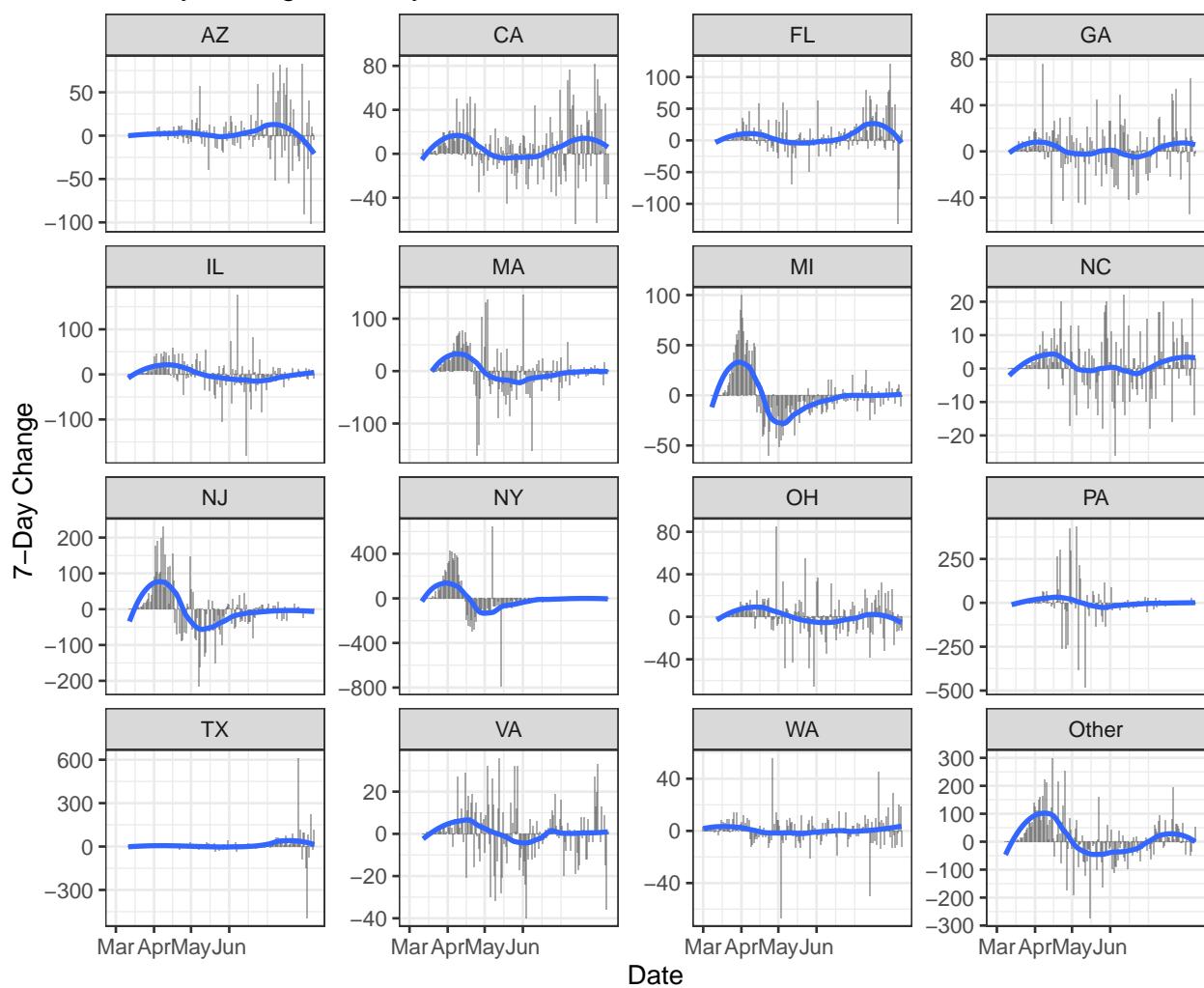
Deaths by State

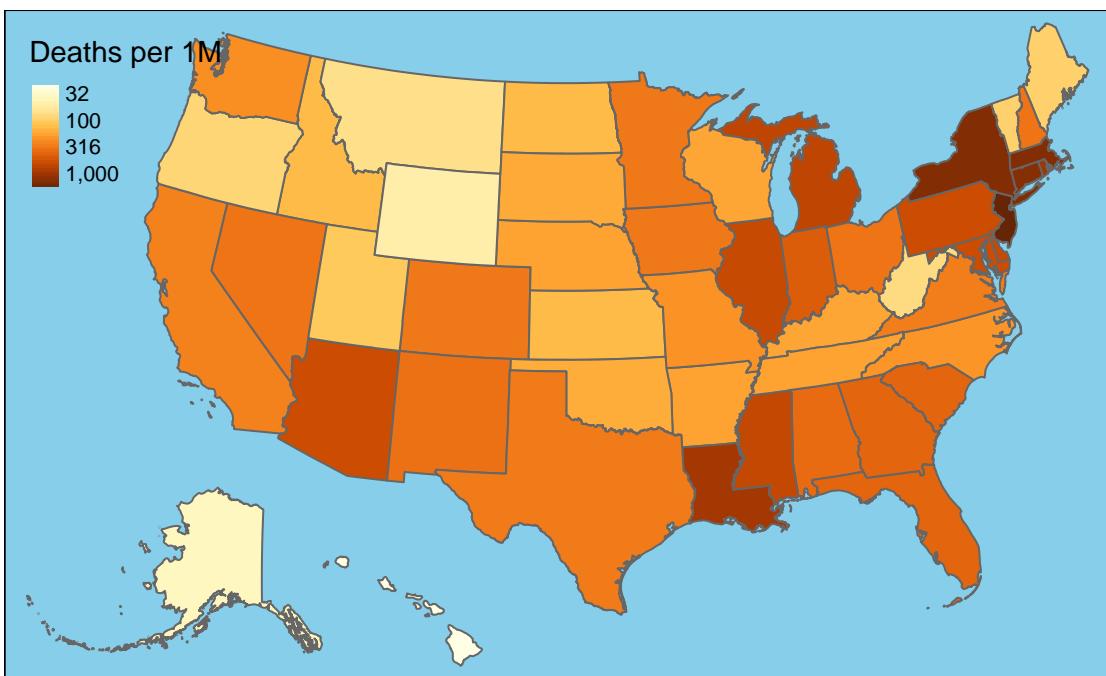
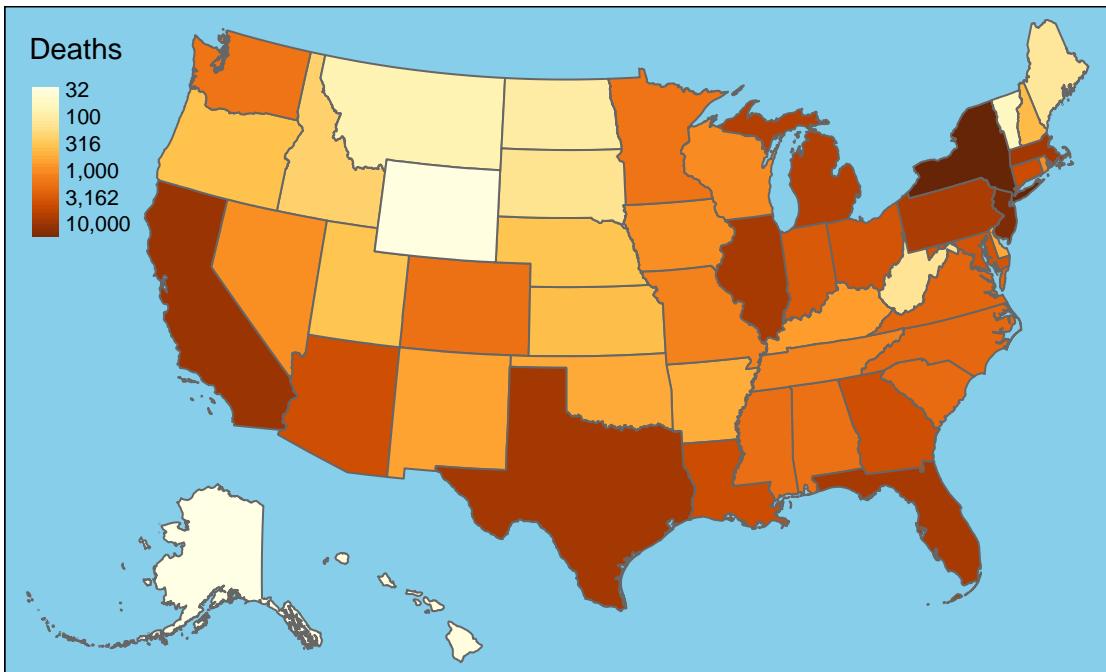


## New Deaths by State



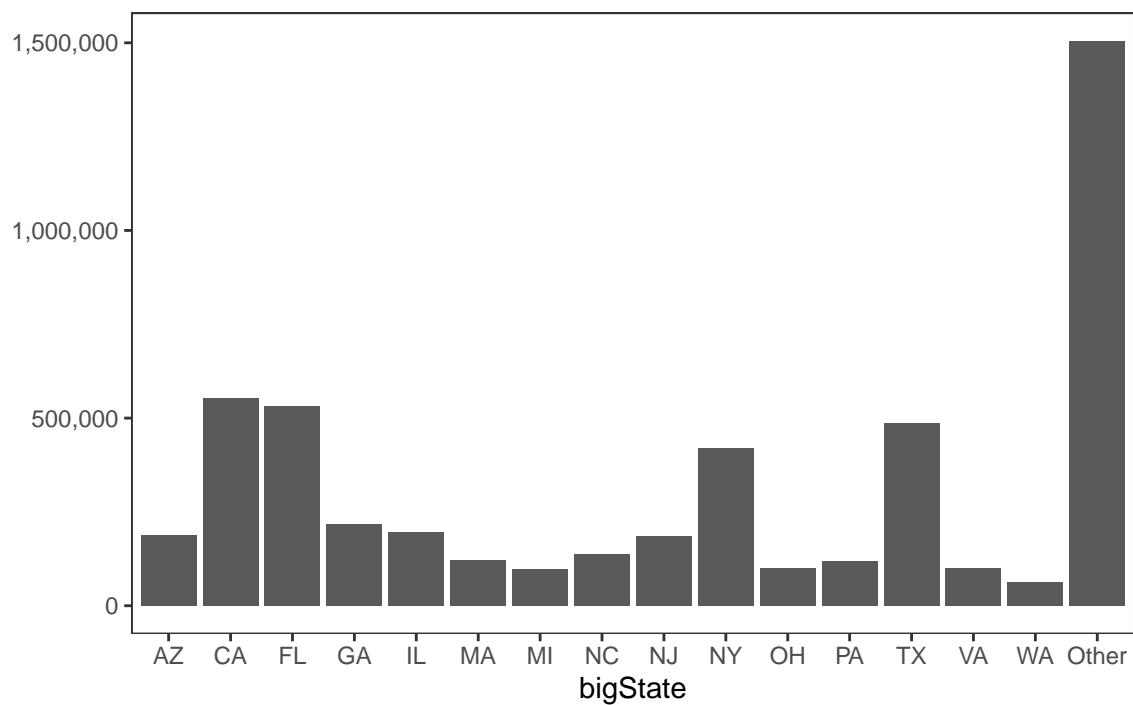
### 7-Day Change in Daily Deaths



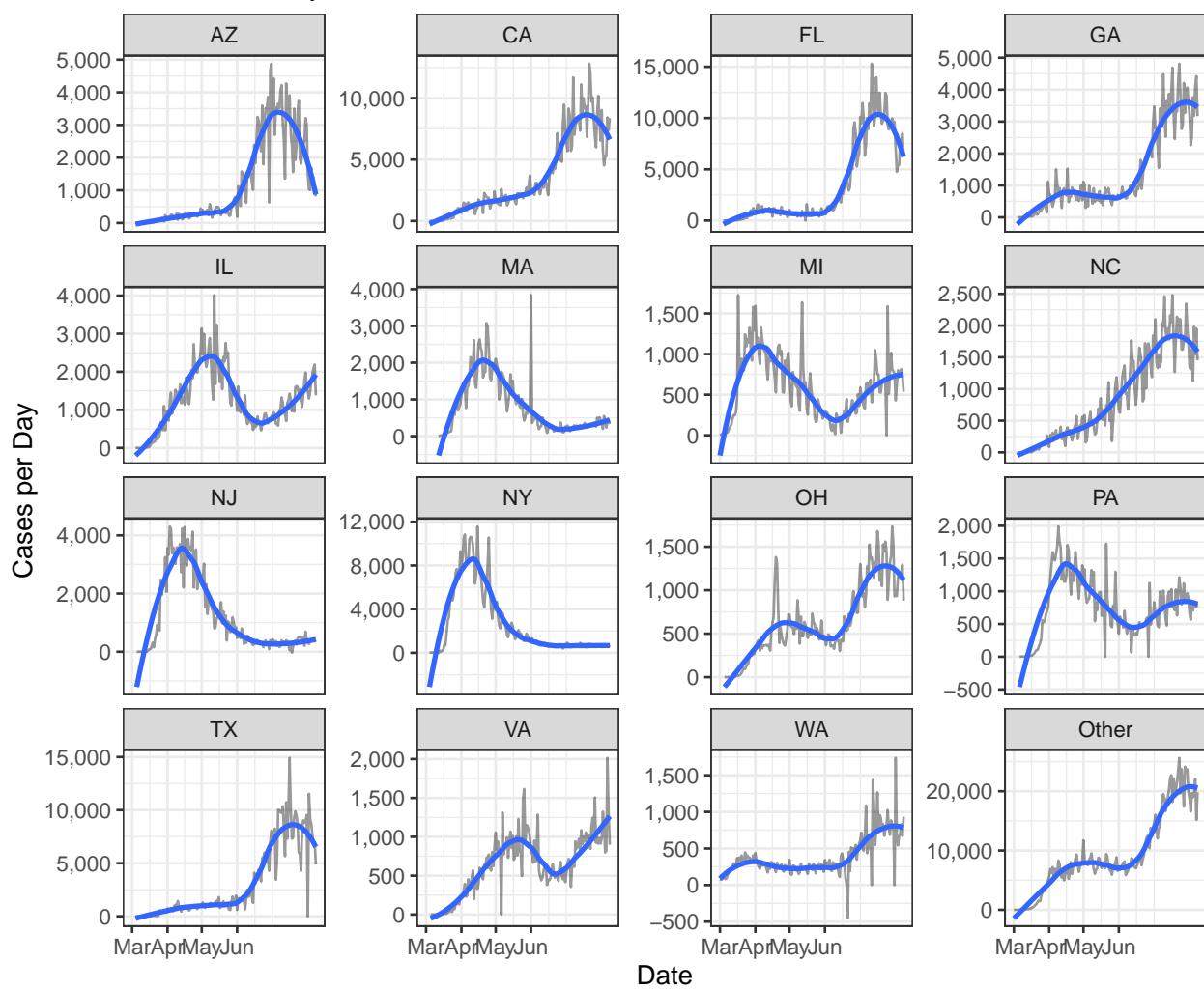


Cases

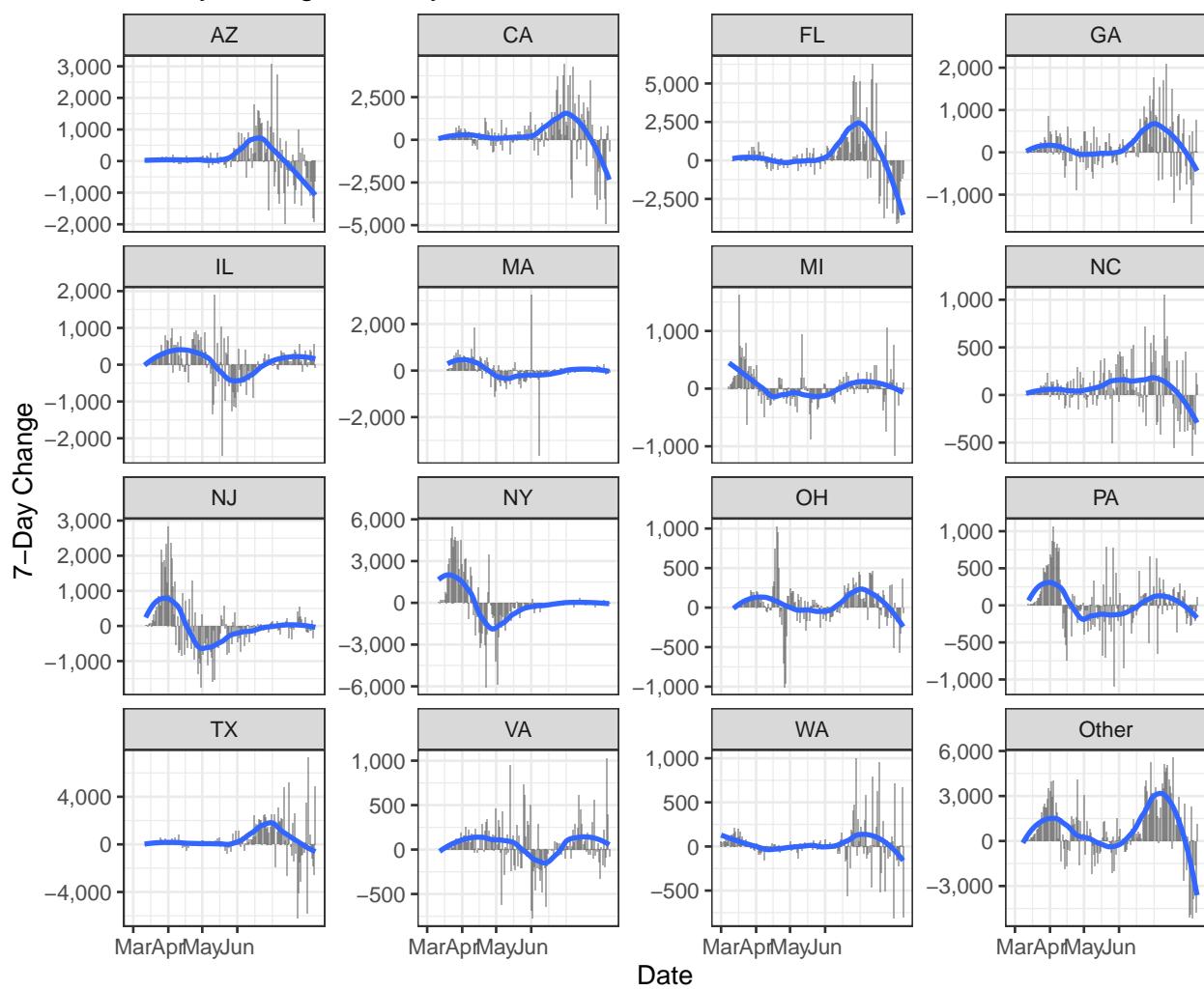
Cases by State

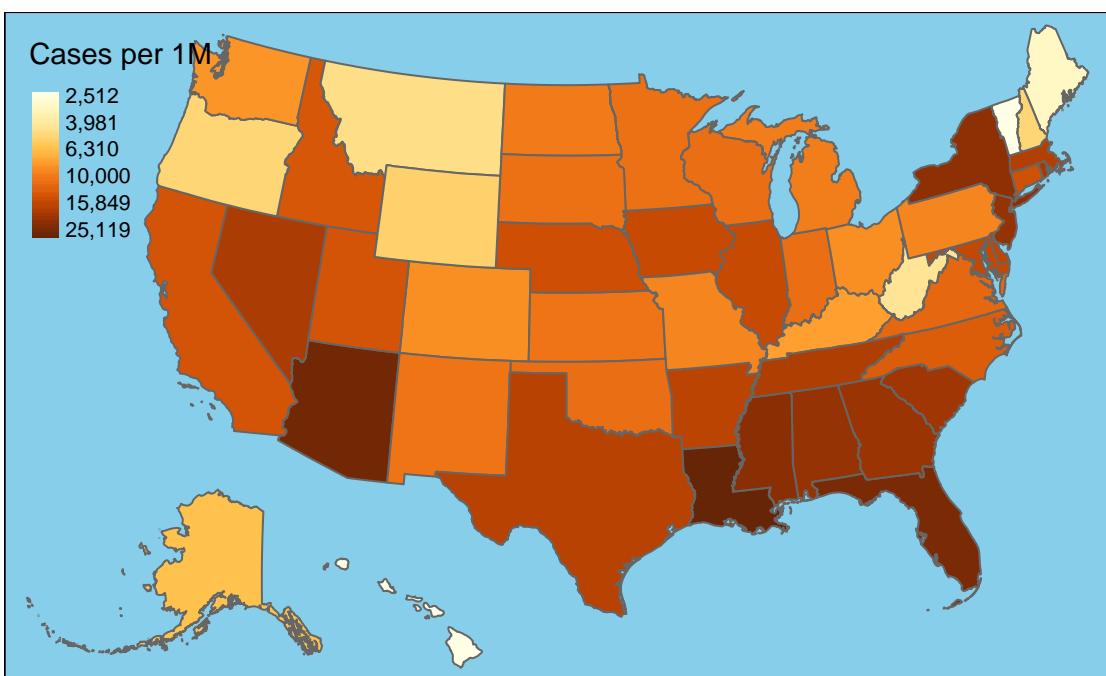
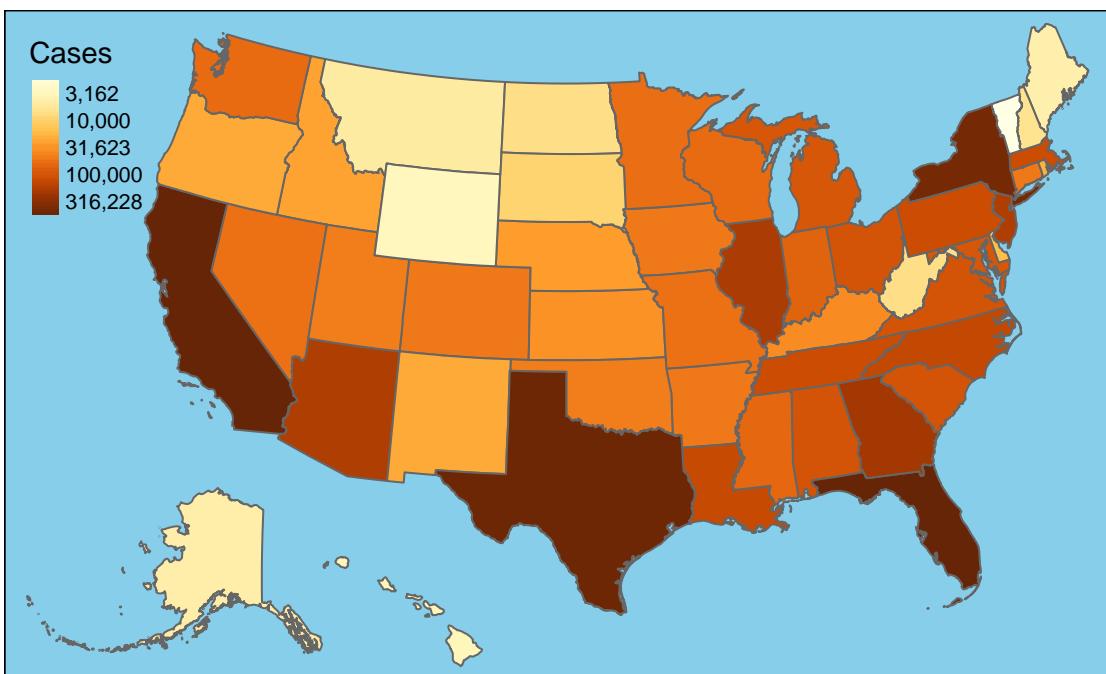


## New Cases by State

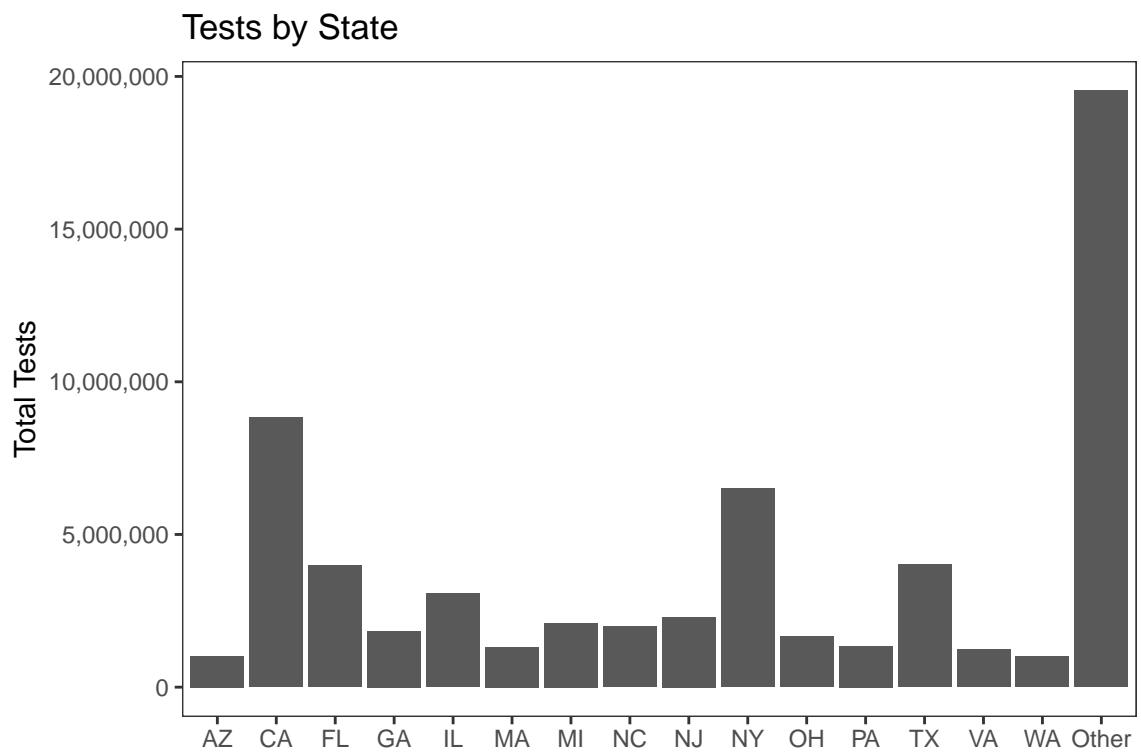


### 7-Day Change in Daily Cases

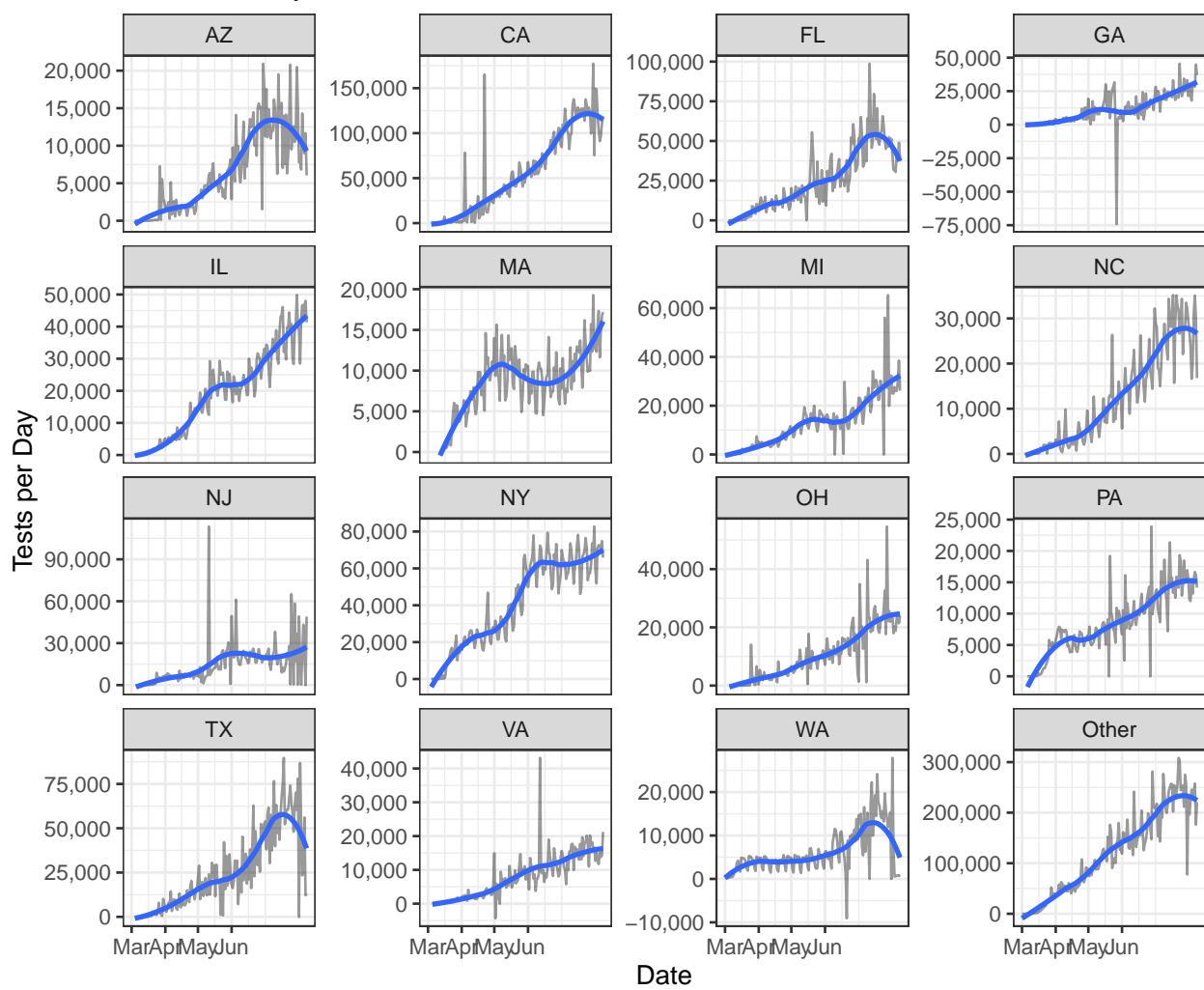


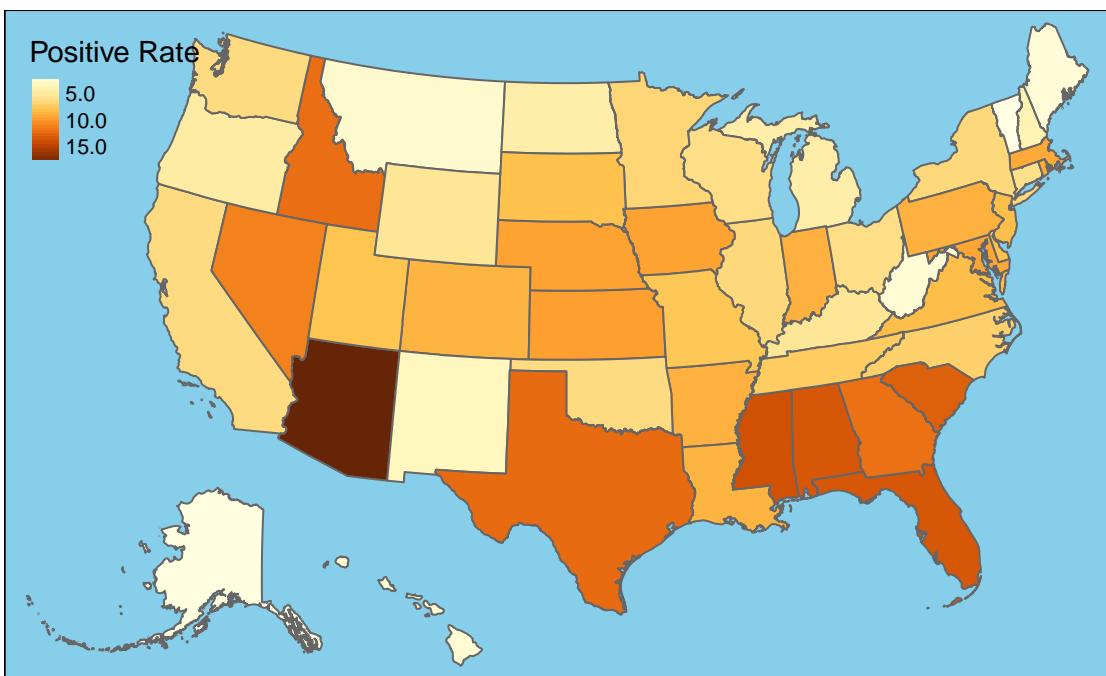
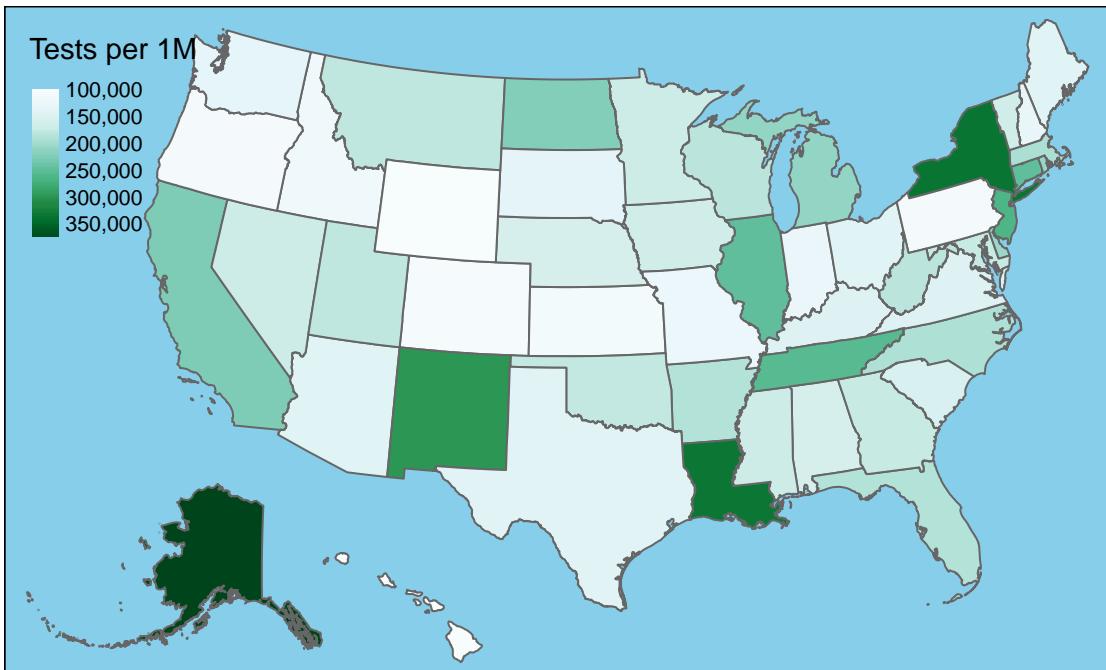


## Testing



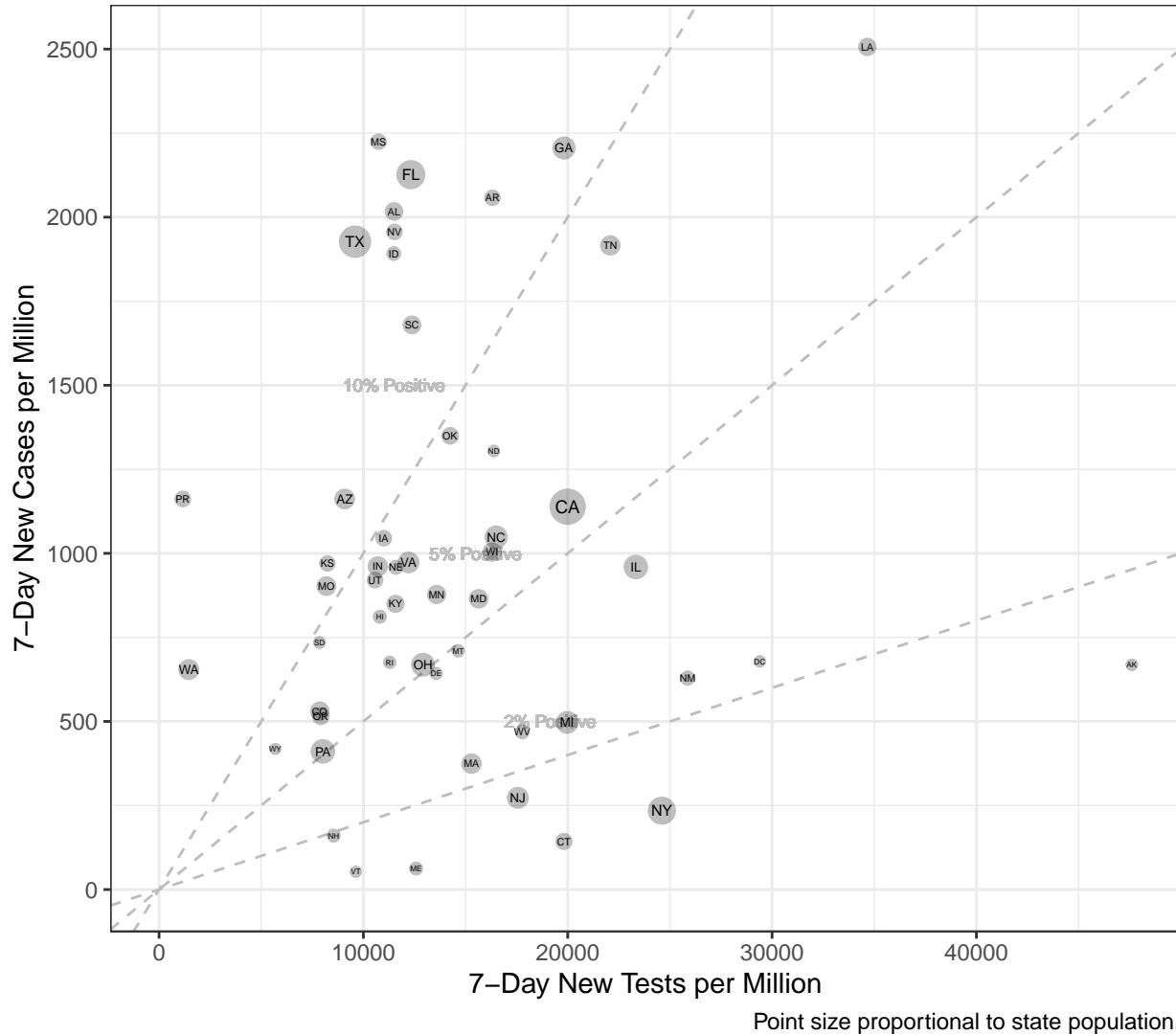
## New Tests by State





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**



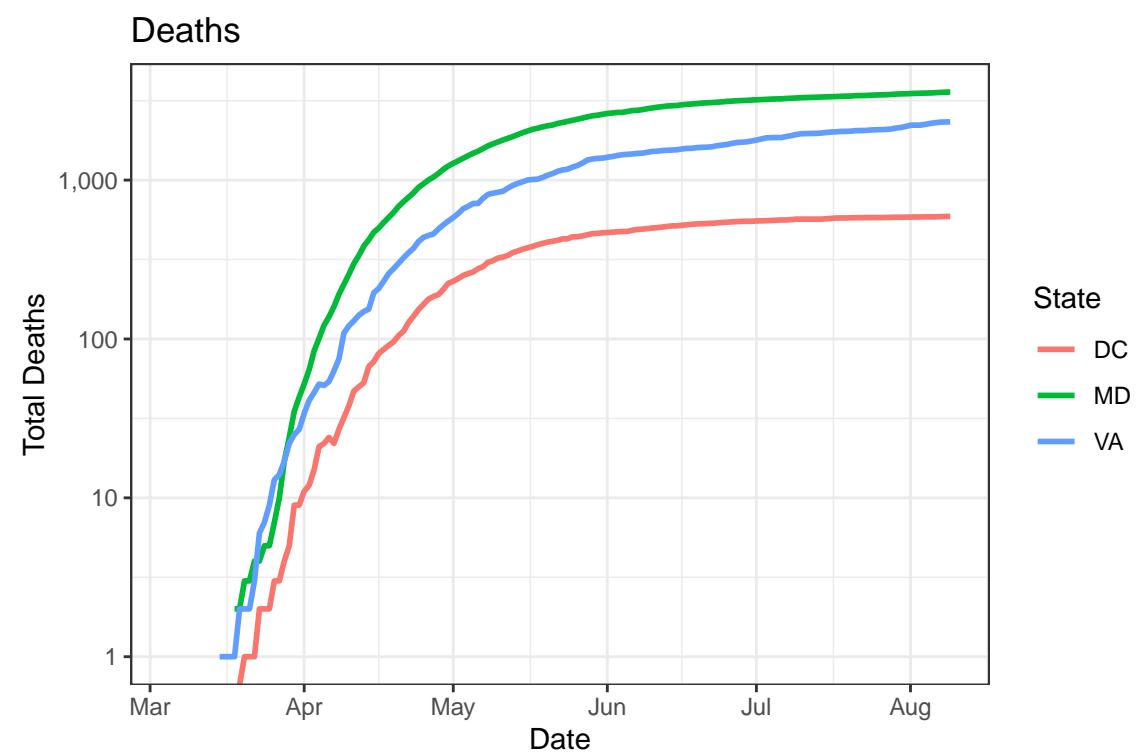
## Local Data

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

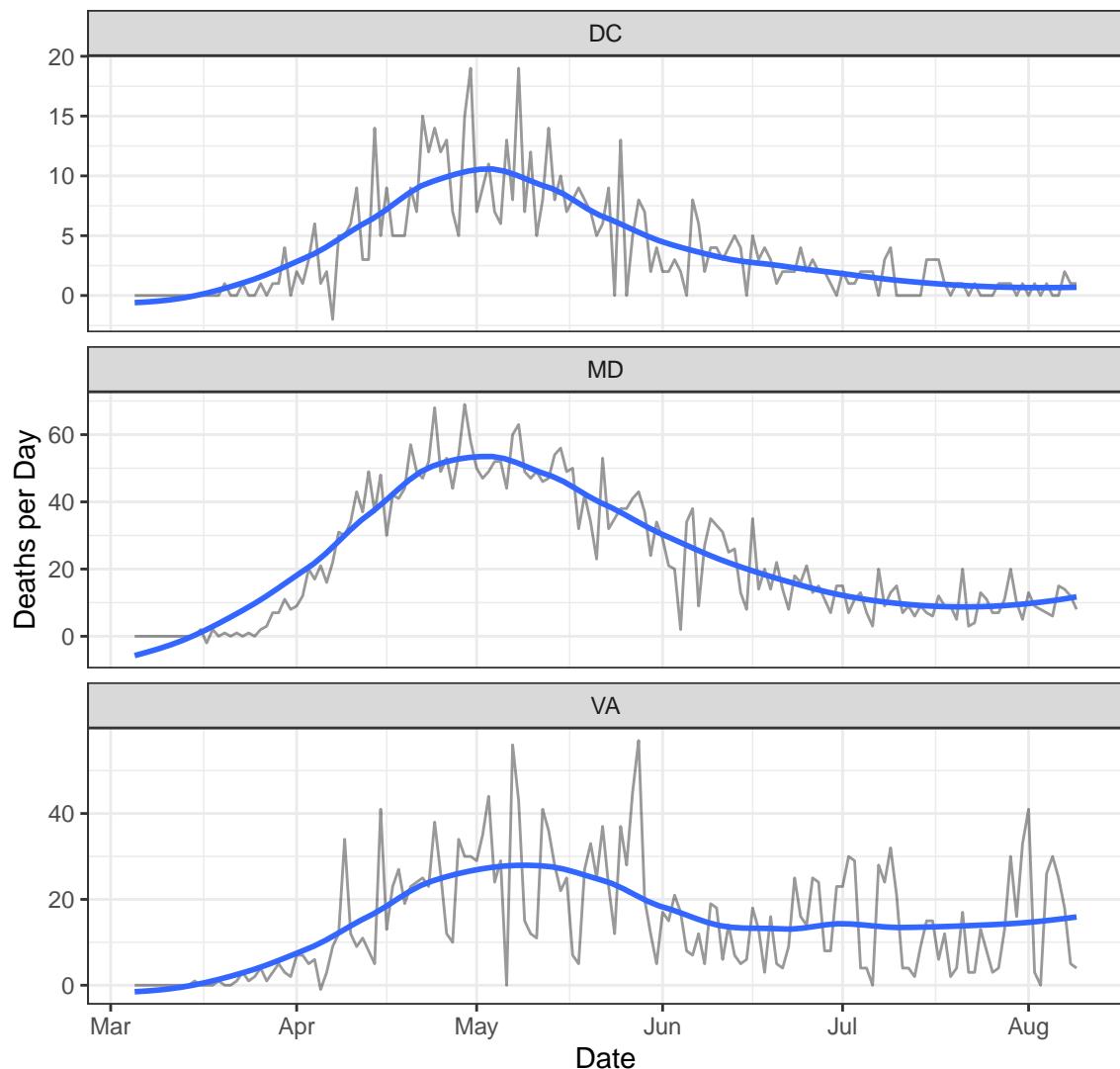
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	12,753	591	100	1
MD	95,503	3,585	922	8
VA	100,086	2,326	897	4

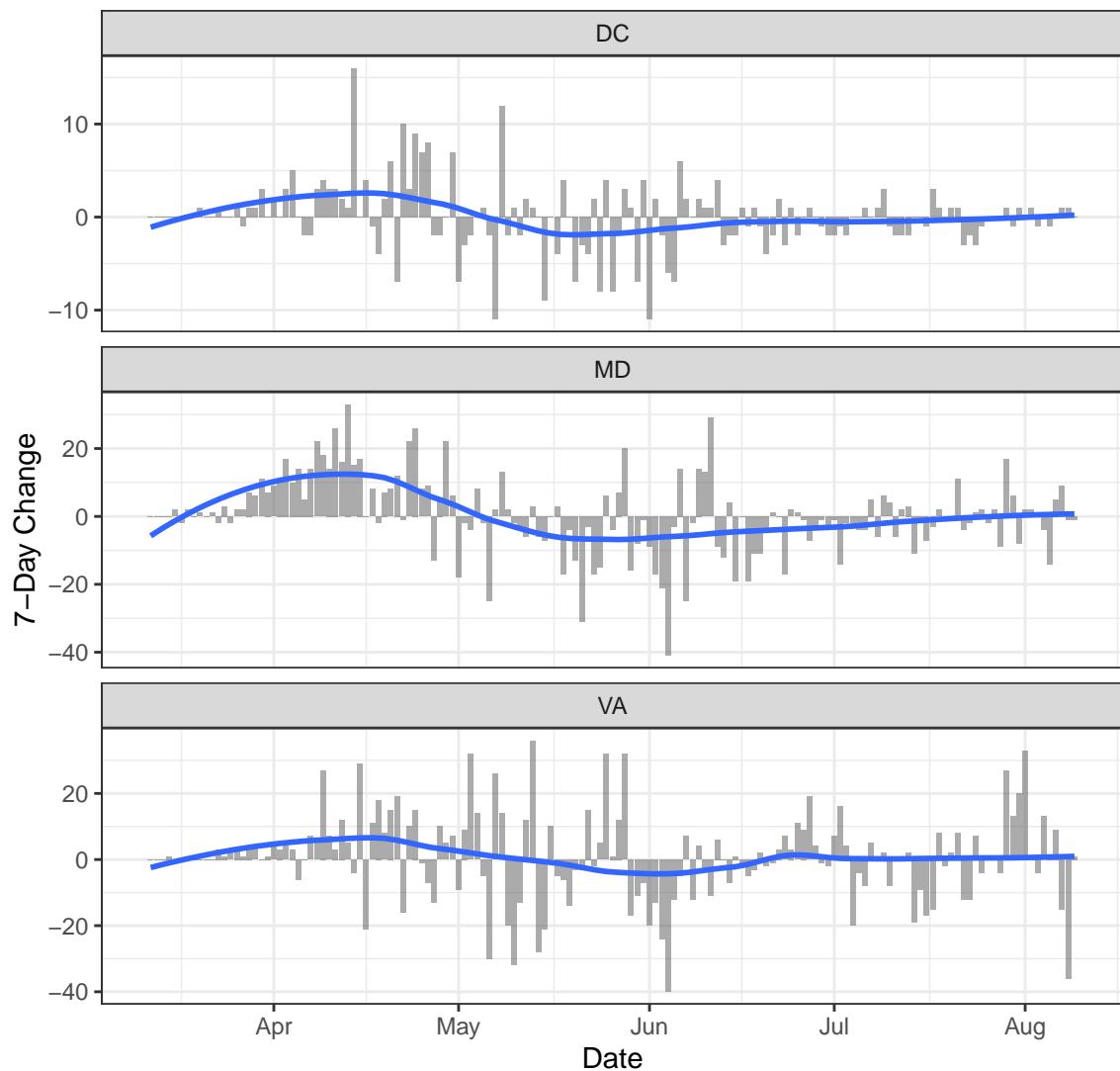
## Deaths

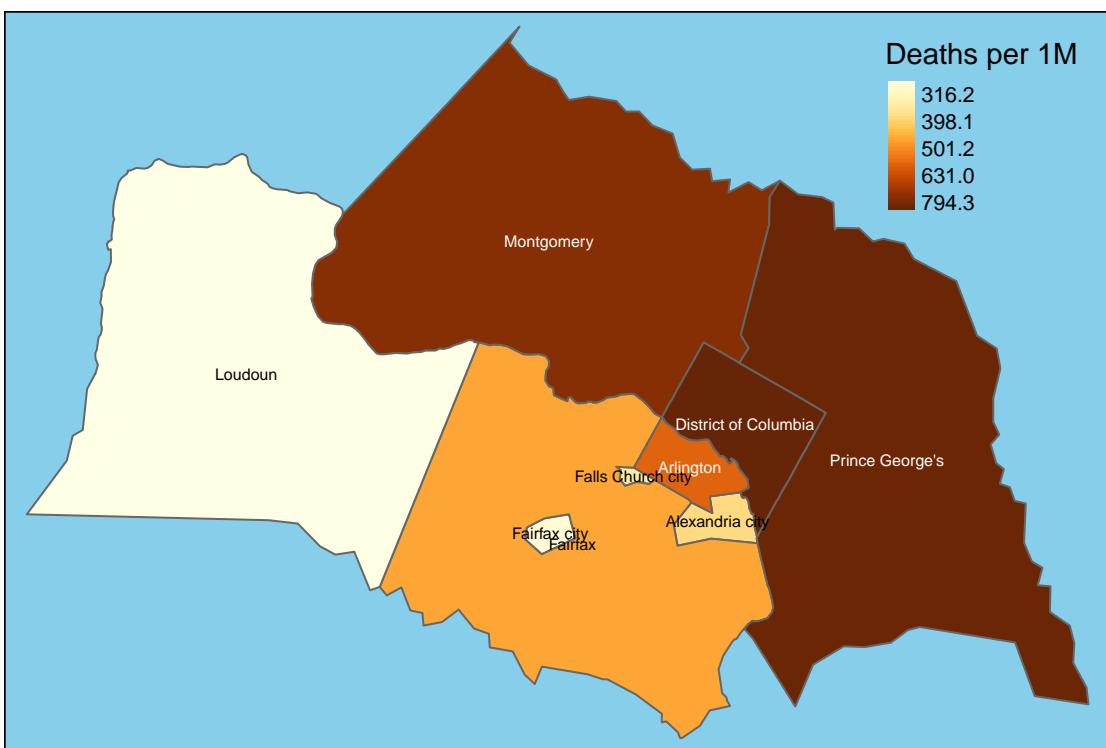
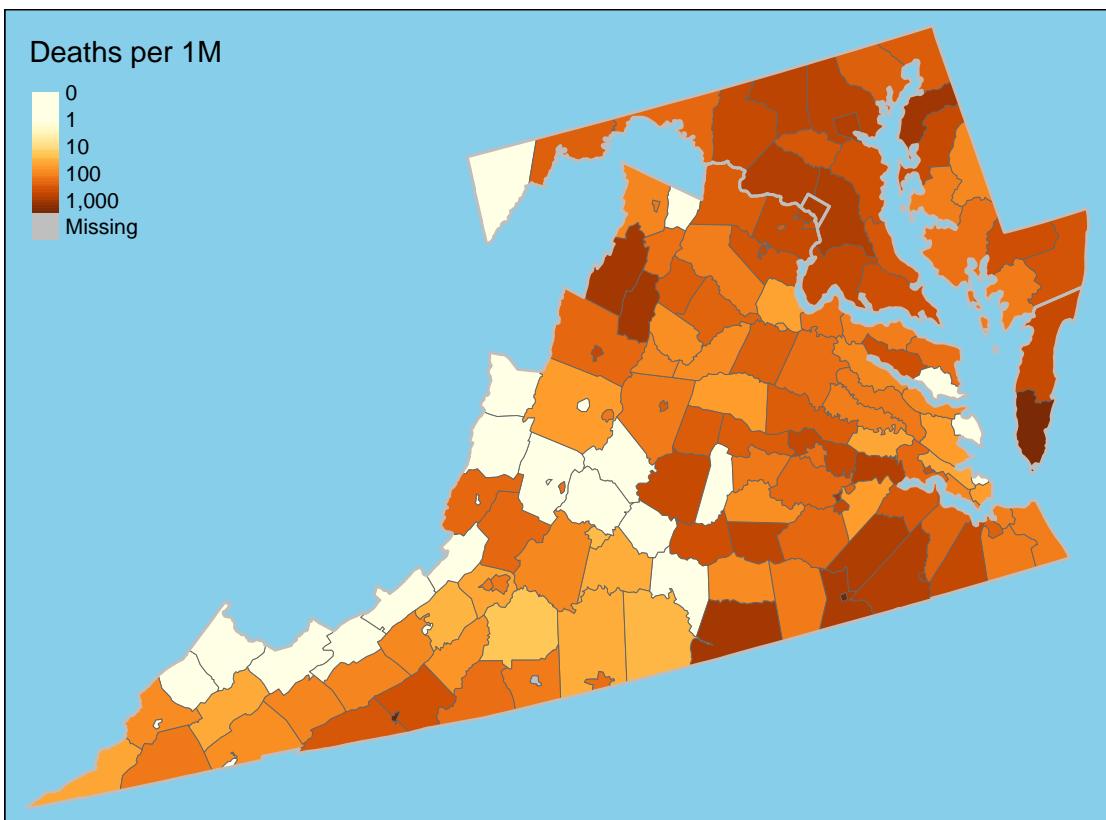


## New Deaths

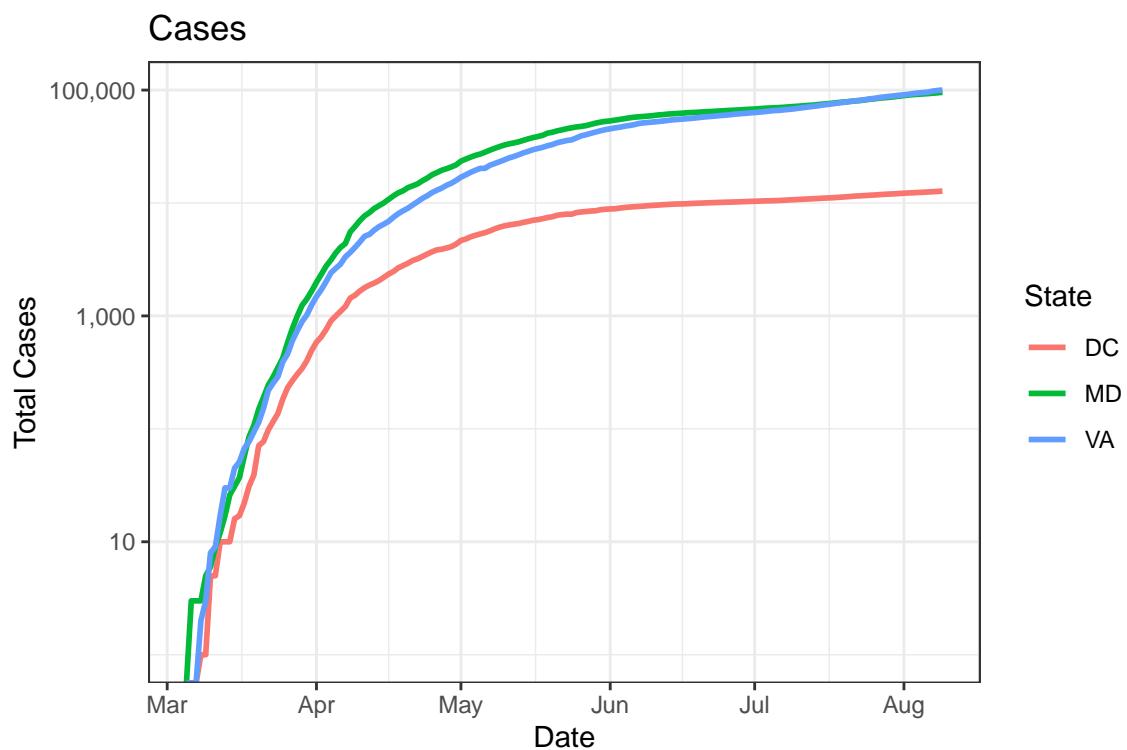


## One-Week Change in Daily Deaths

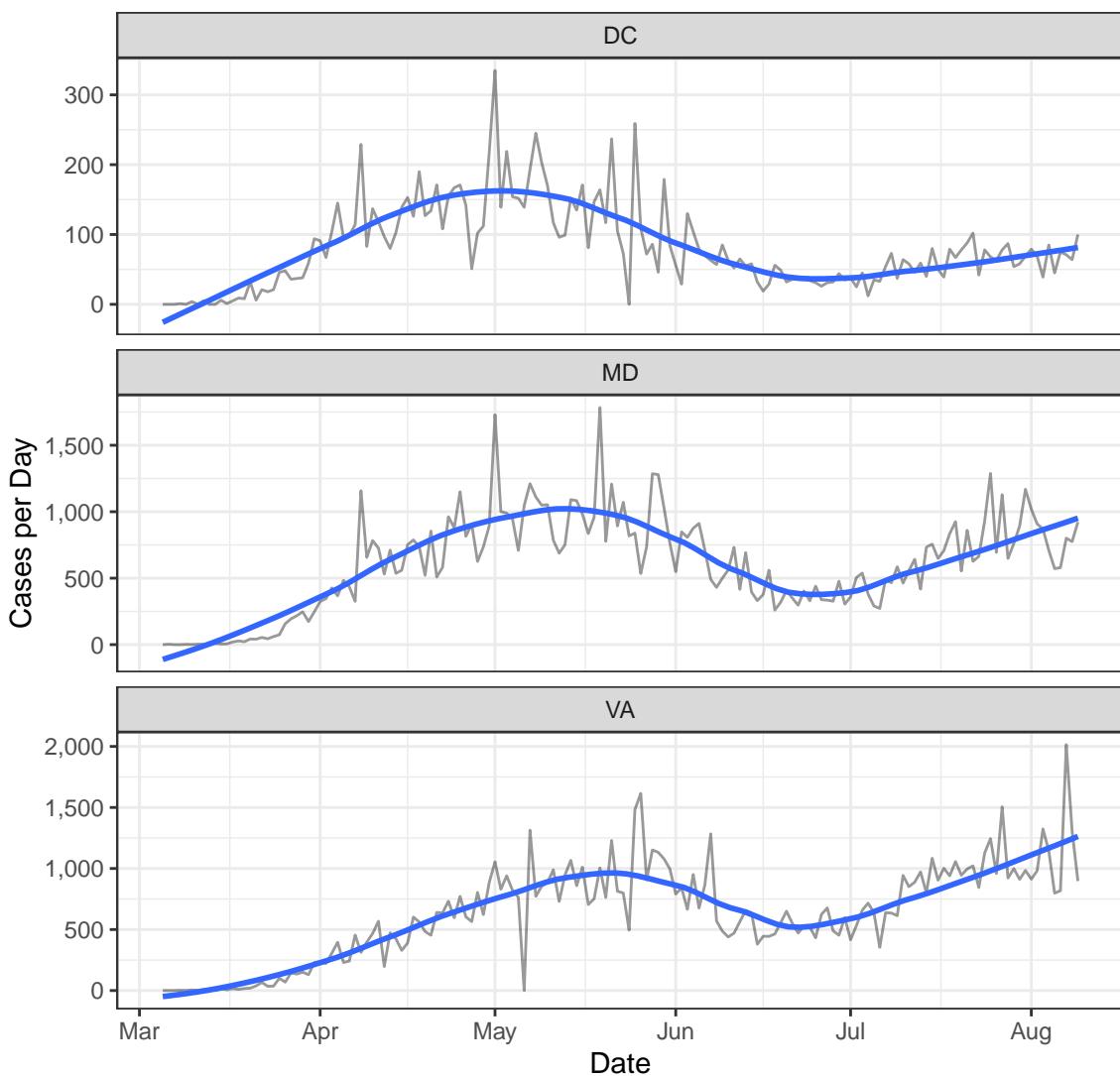




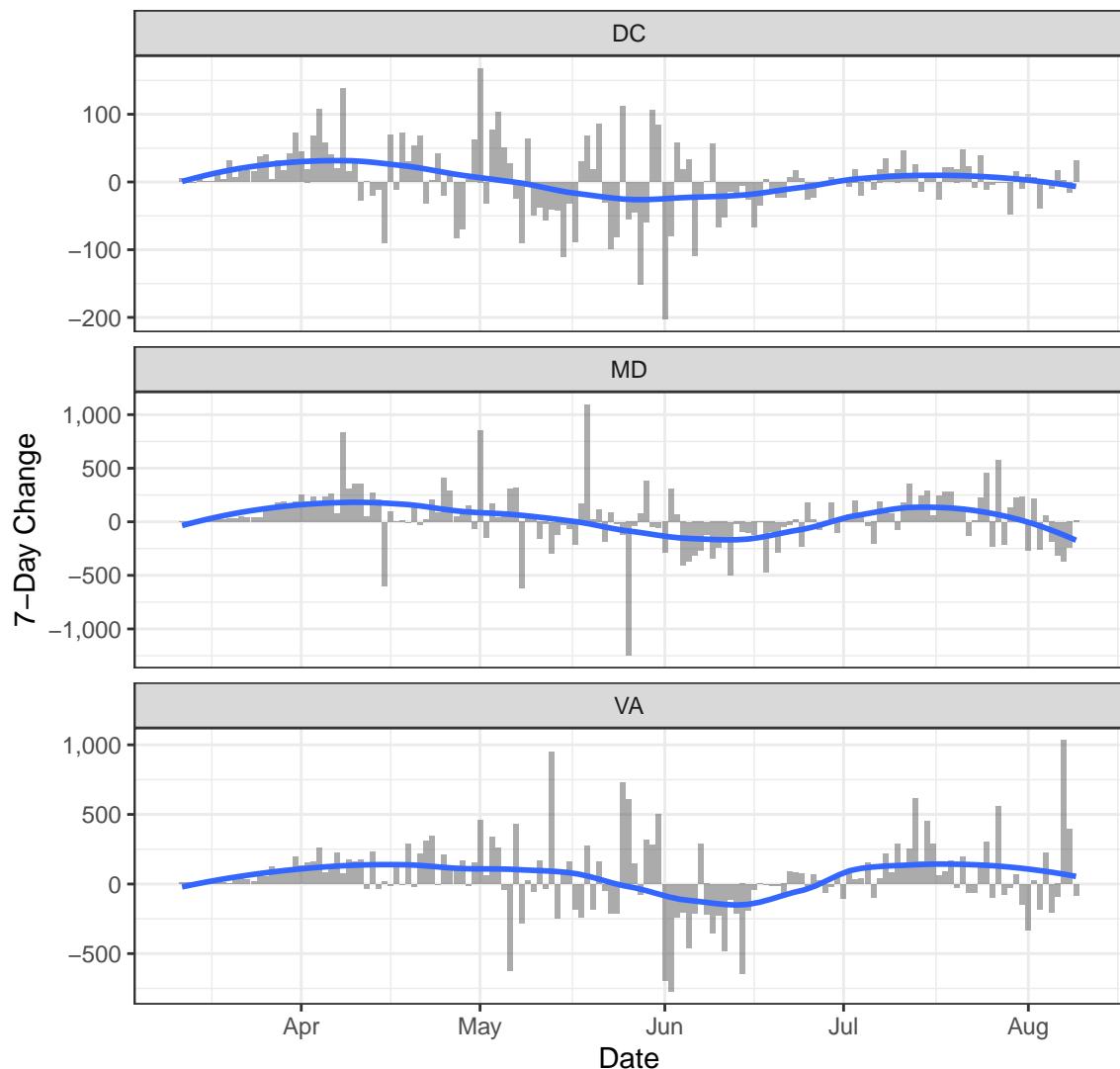
Cases

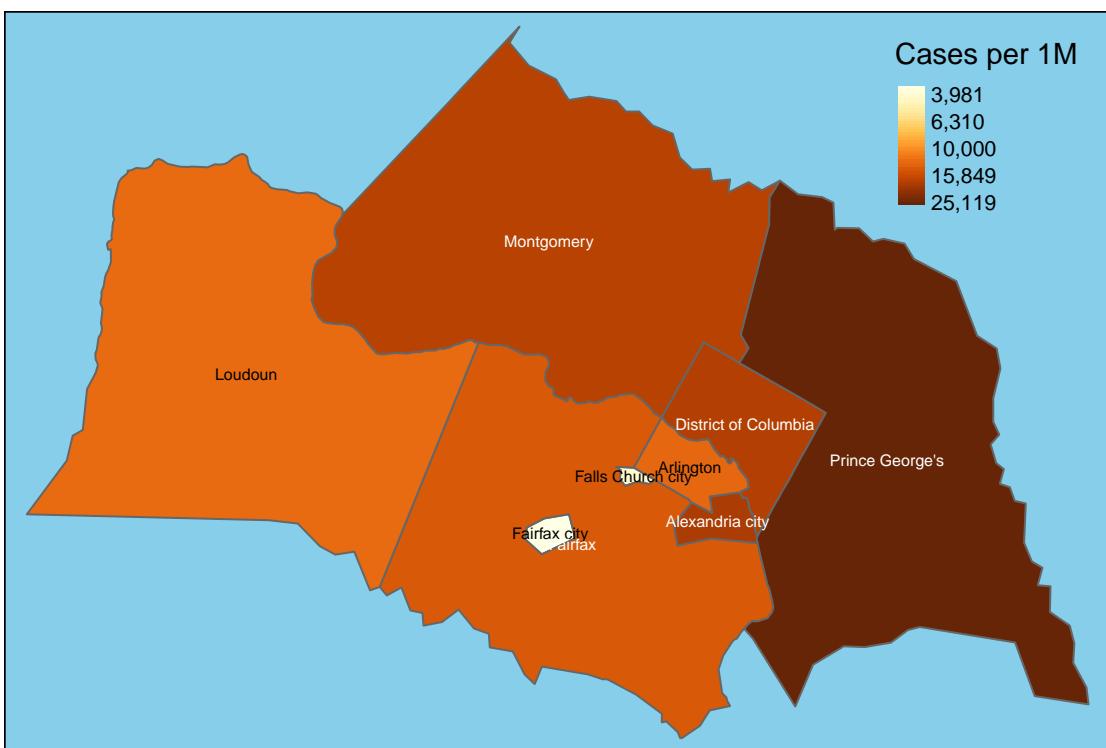
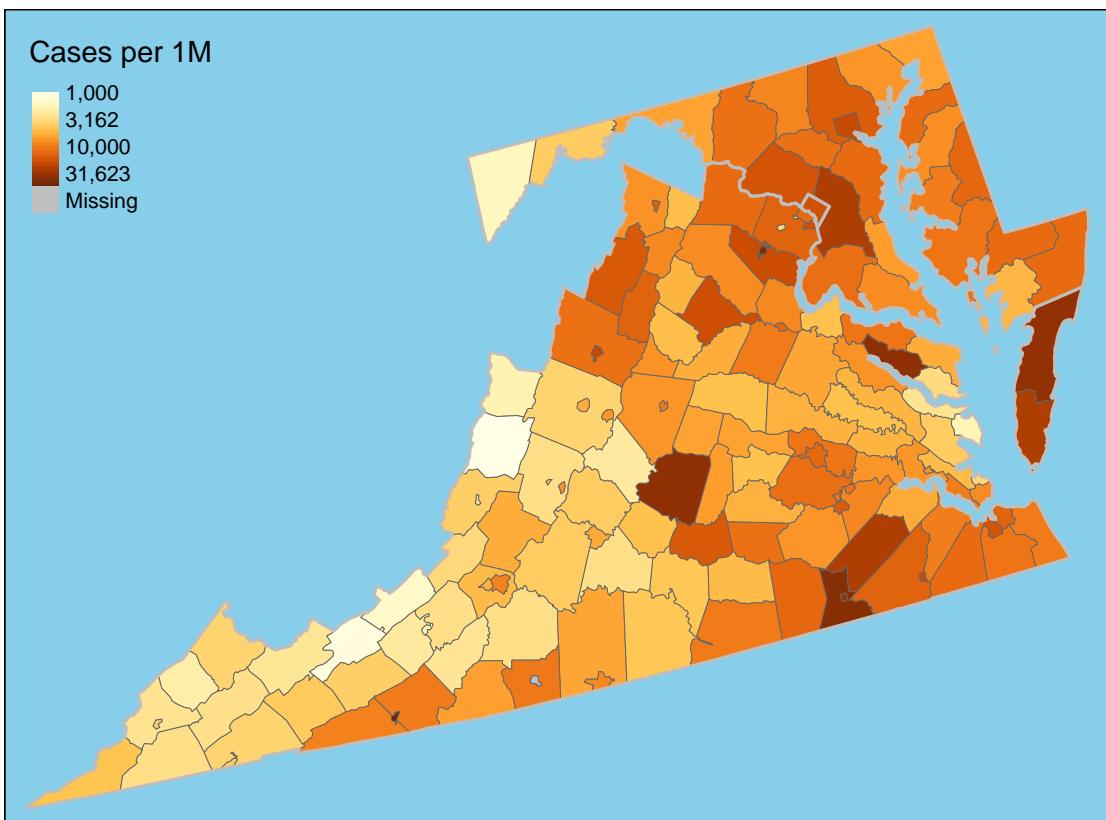


## New Cases

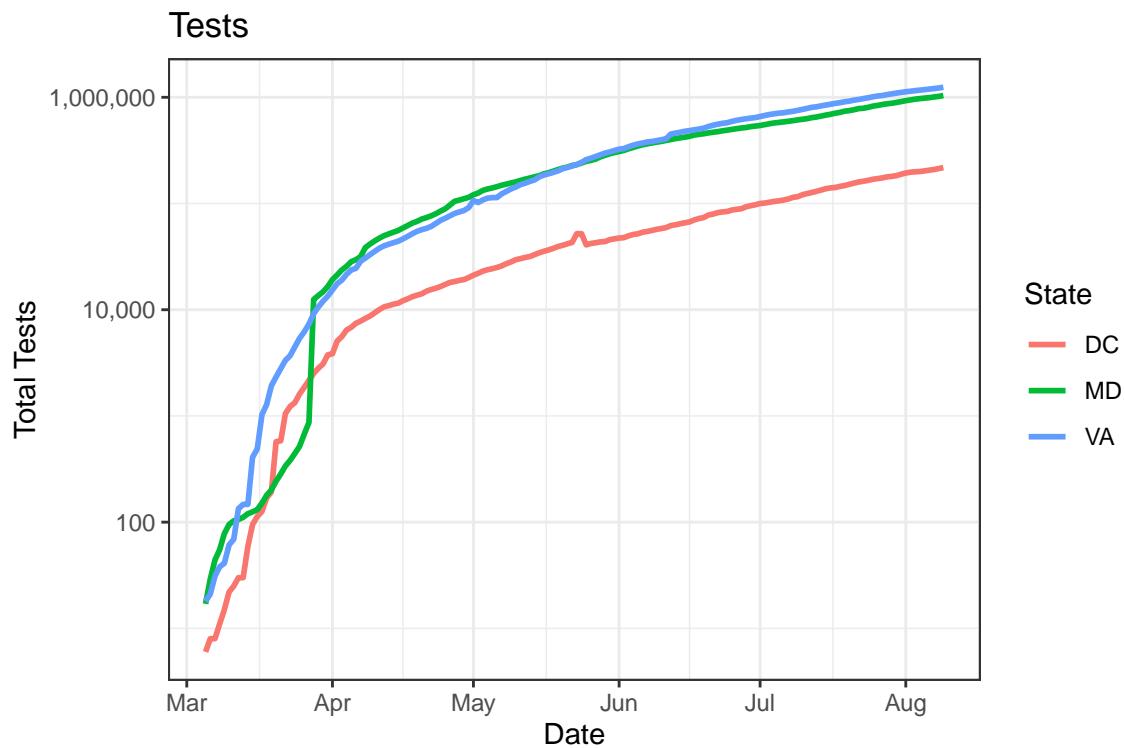


## One-Week Change in Daily Cases

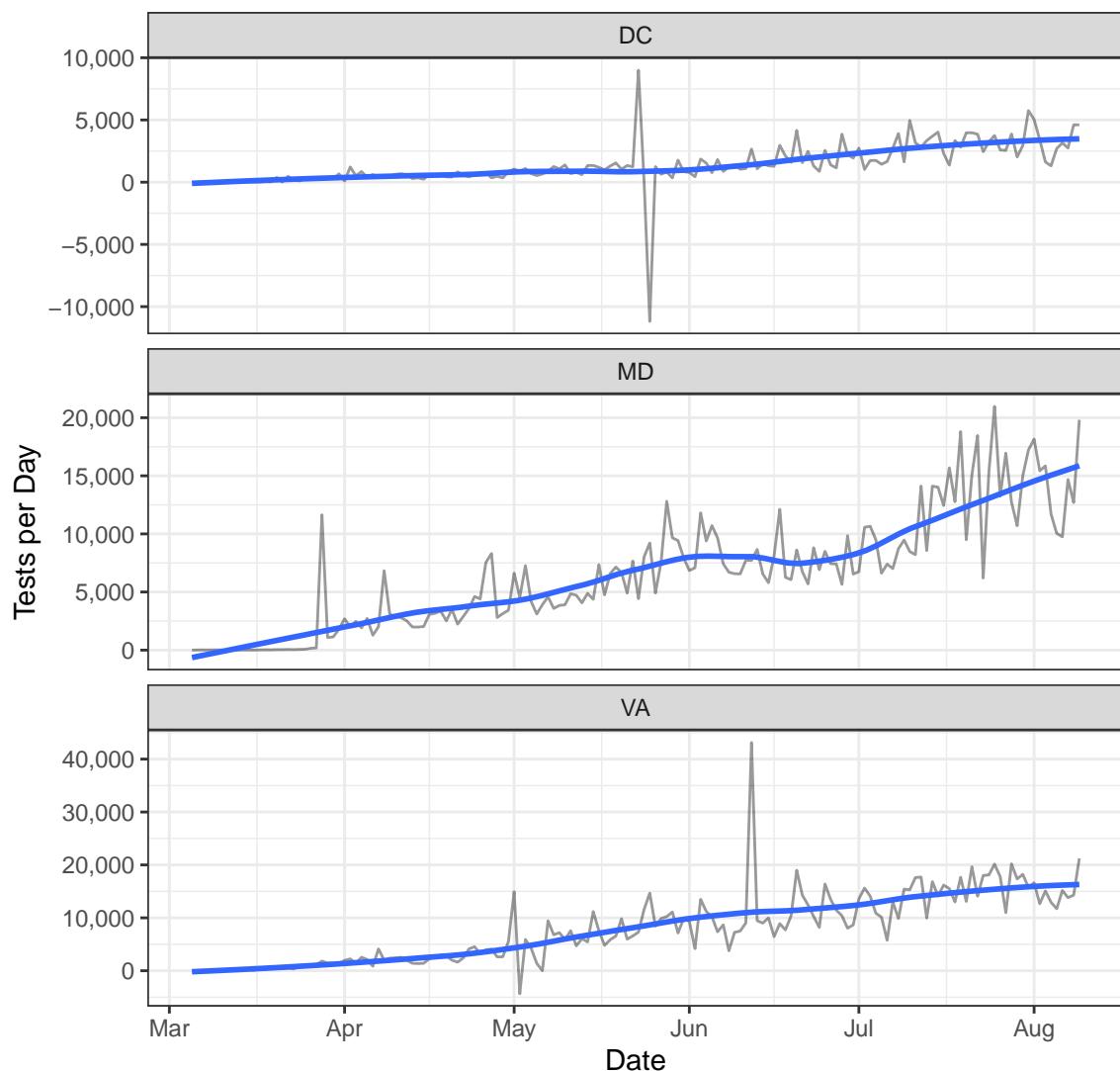




## Testing



## New Tests



## Positive Test Rate

