

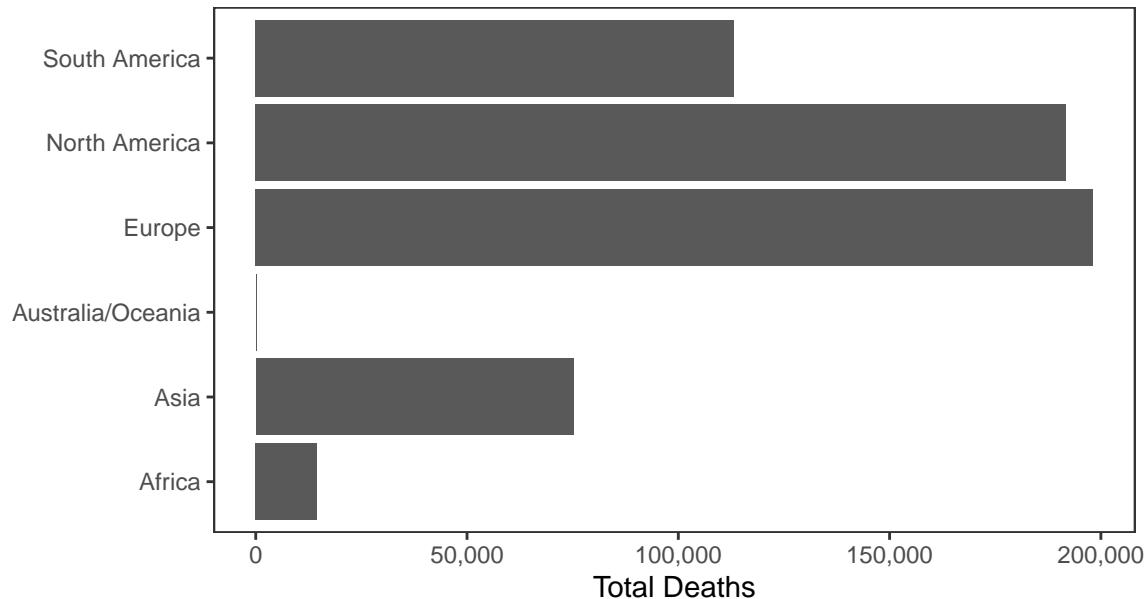
# Erik's Covid-19 Chart Pack

Data updated 2020-07-17 18:18:05. 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 13,939,348 confirmed Covid-19 cases and 592,982 deaths worldwide.

**Deaths**



**Cases**

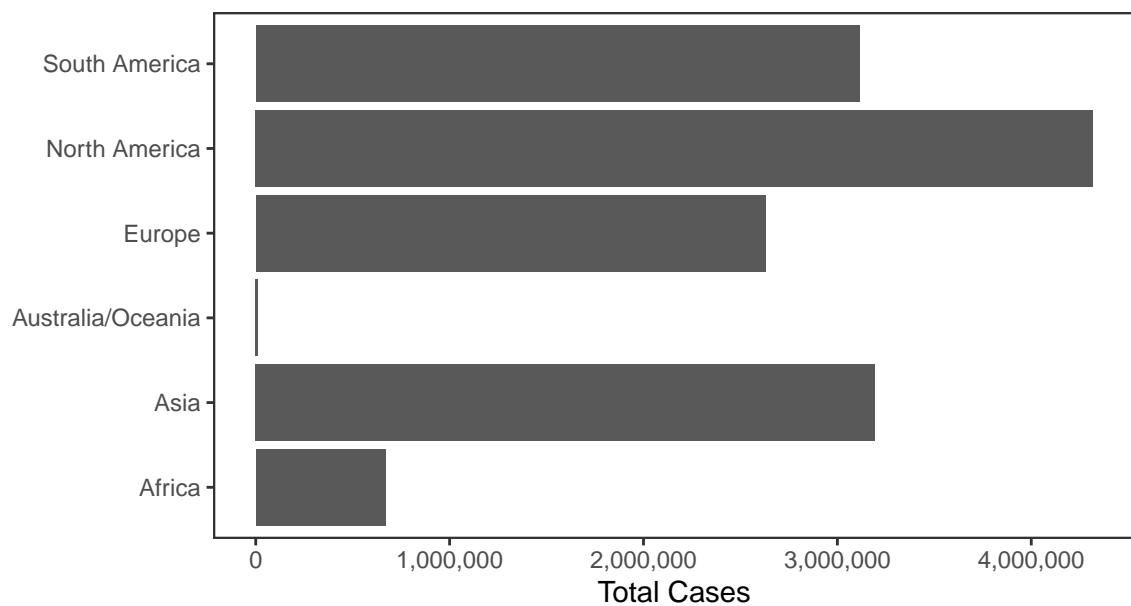
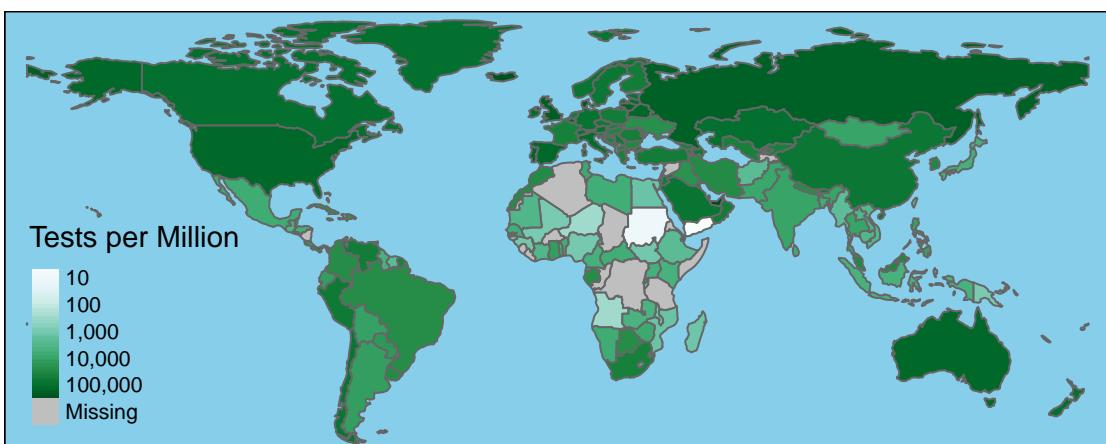
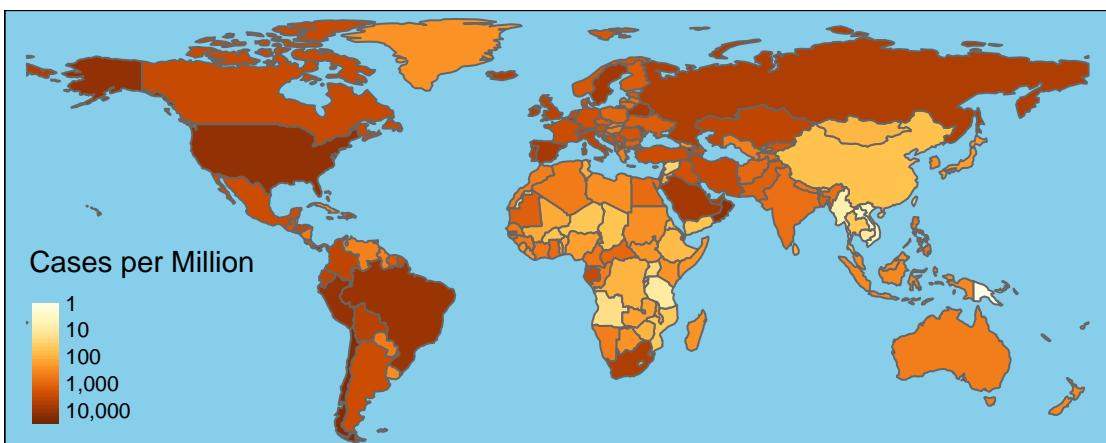
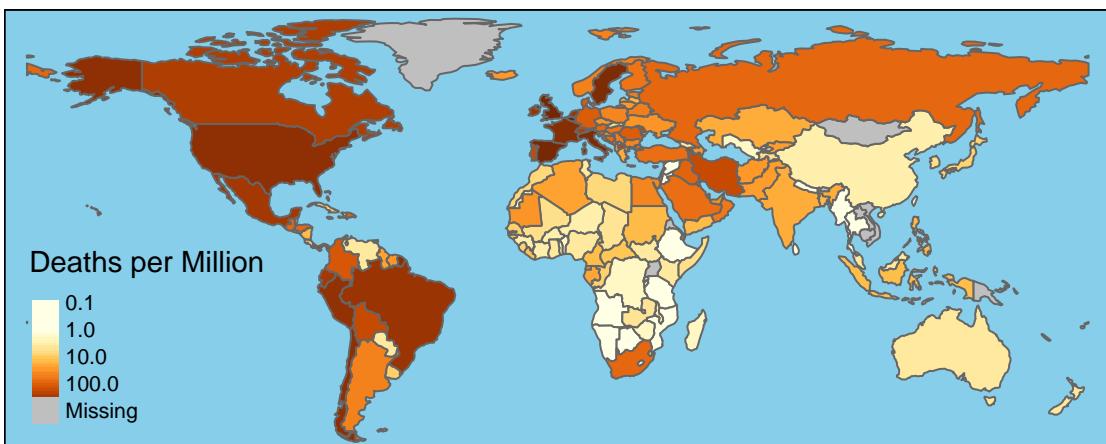


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,695,025	141,118	73,388	963
Brazil	2,014,738	76,822	43,829	1,299
India	1,005,637	25,609	35,468	680
Russia	752,797	11,937	6,428	167
Peru	341,586	12,615	3,862	198
South Africa	324,221	4,669	13,172	216
Chile	323,698	8,249	2,493	118
Mexico	317,635	36,906	6,149	579
Spain	305,935	28,416	1,361	3
UK	292,552	45,119	641	66
Iran	267,061	13,608	2,500	198
Pakistan	257,914	5,426	2,145	40
Italy	243,736	35,017	230	20
Saudi Arabia	243,238	2,370	2,764	45
Turkey	216,873	5,440	933	21
Germany	201,836	9,157	584	9
Bangladesh	196,323	2,496	2,733	39
France	173,838	30,138	534	18
Colombia	173,206	6,029	8,037	215
Argentina	114,783	2,112	3,637	62



## National Data

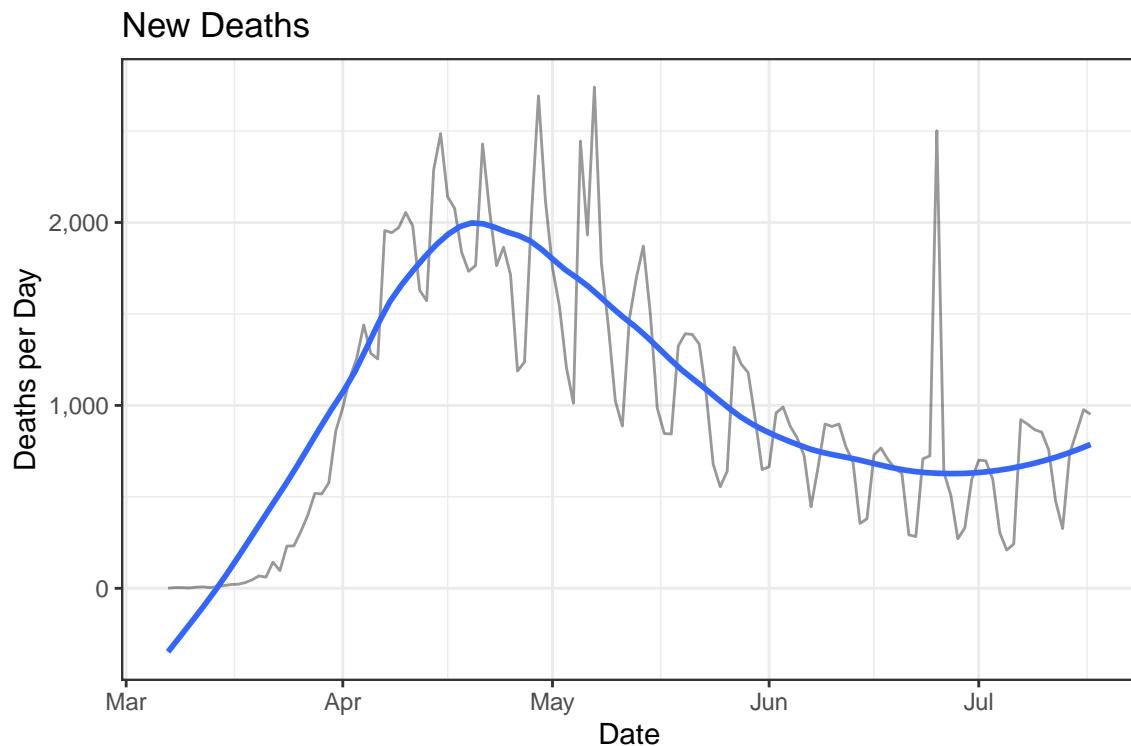
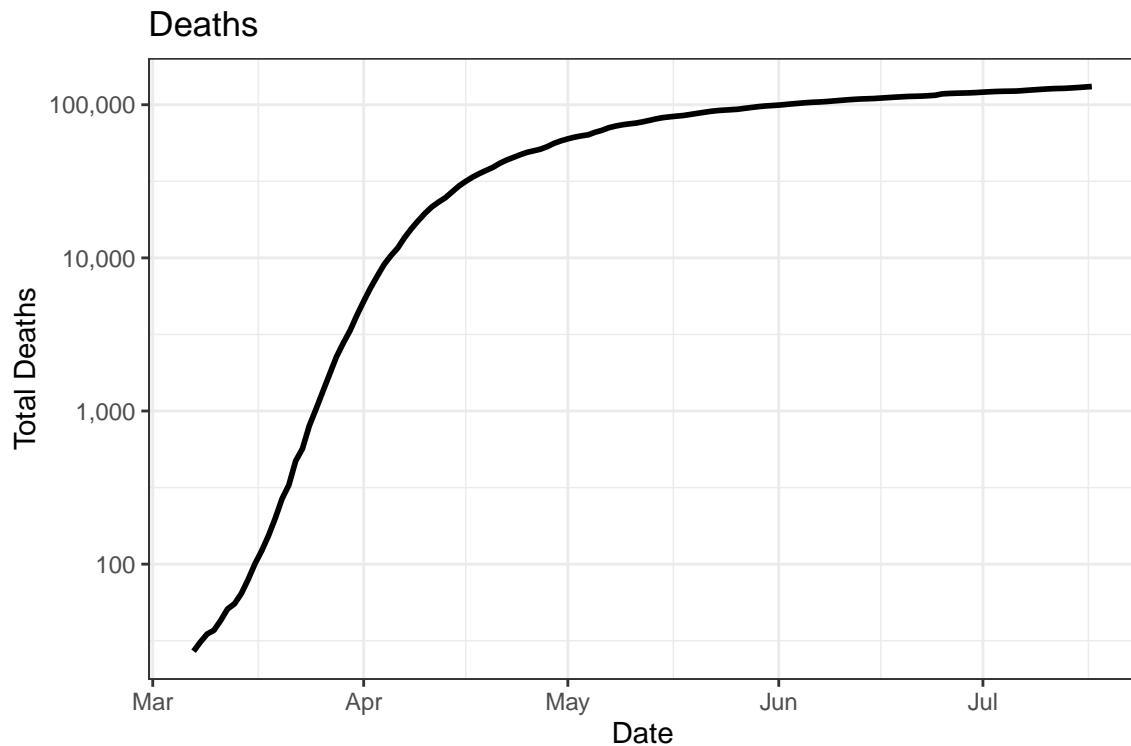
There have been 3,626,881 confirmed Covid-19 cases and 131,523 deaths in the United States.

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

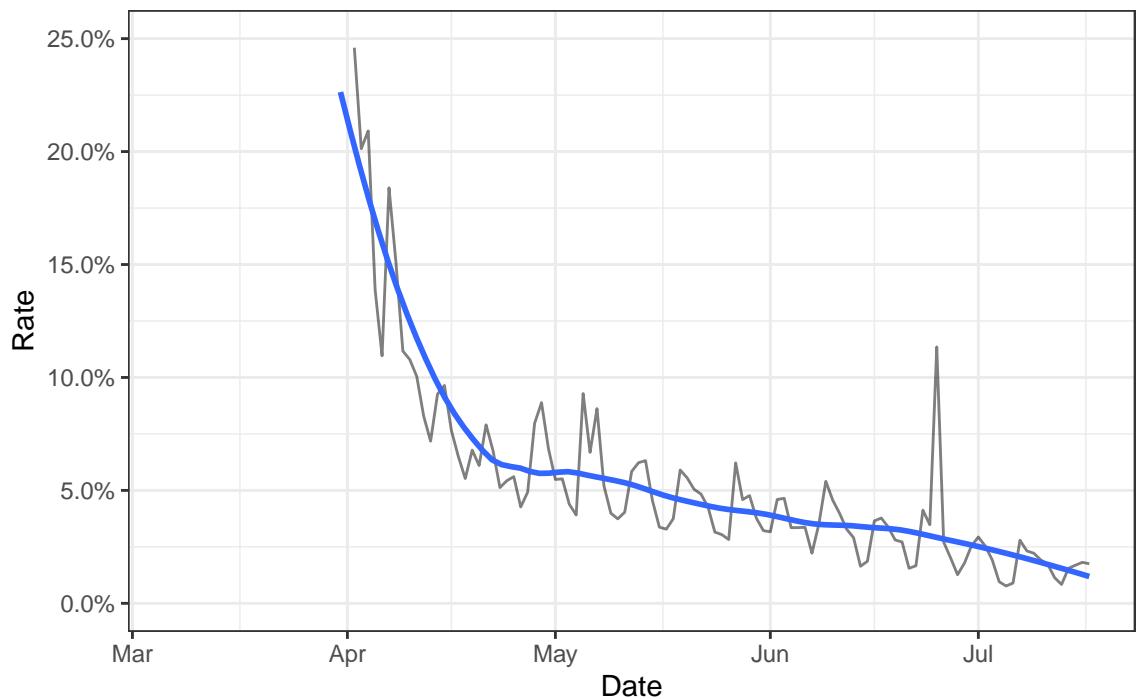
Date	Cases	Deaths	New Cases	New Deaths
2020-07-17	3,626,881	131,523	77,233	951
2020-07-16	3,549,648	130,572	71,229	977
2020-07-15	3,478,419	129,595	65,106	855
2020-07-14	3,413,313	128,740	62,879	736
2020-07-13	3,350,434	128,004	58,465	327
2020-07-12	3,291,969	127,677	60,978	476
2020-07-11	3,230,991	127,201	63,007	757
2020-07-10	3,167,984	126,444	66,645	854
2020-07-09	3,101,339	125,590	58,836	867
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922
2020-07-06	2,928,590	122,904	41,600	242
2020-07-05	2,886,990	122,662	45,789	209
2020-07-04	2,841,201	122,453	54,734	306

## Deaths

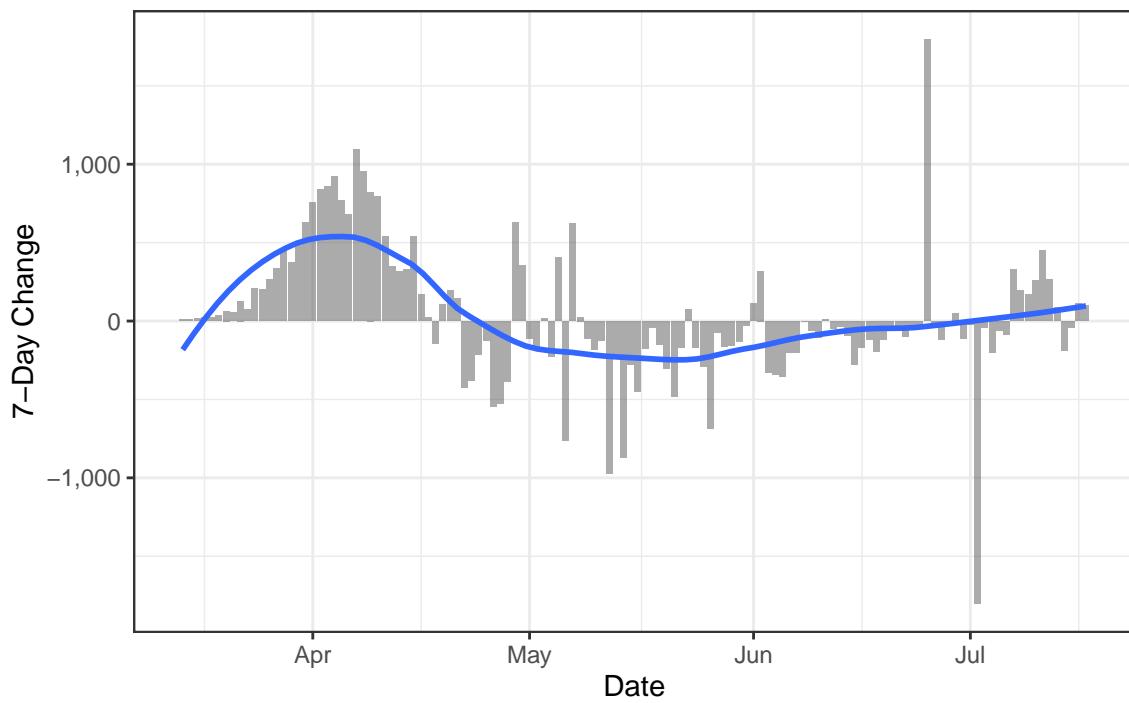
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

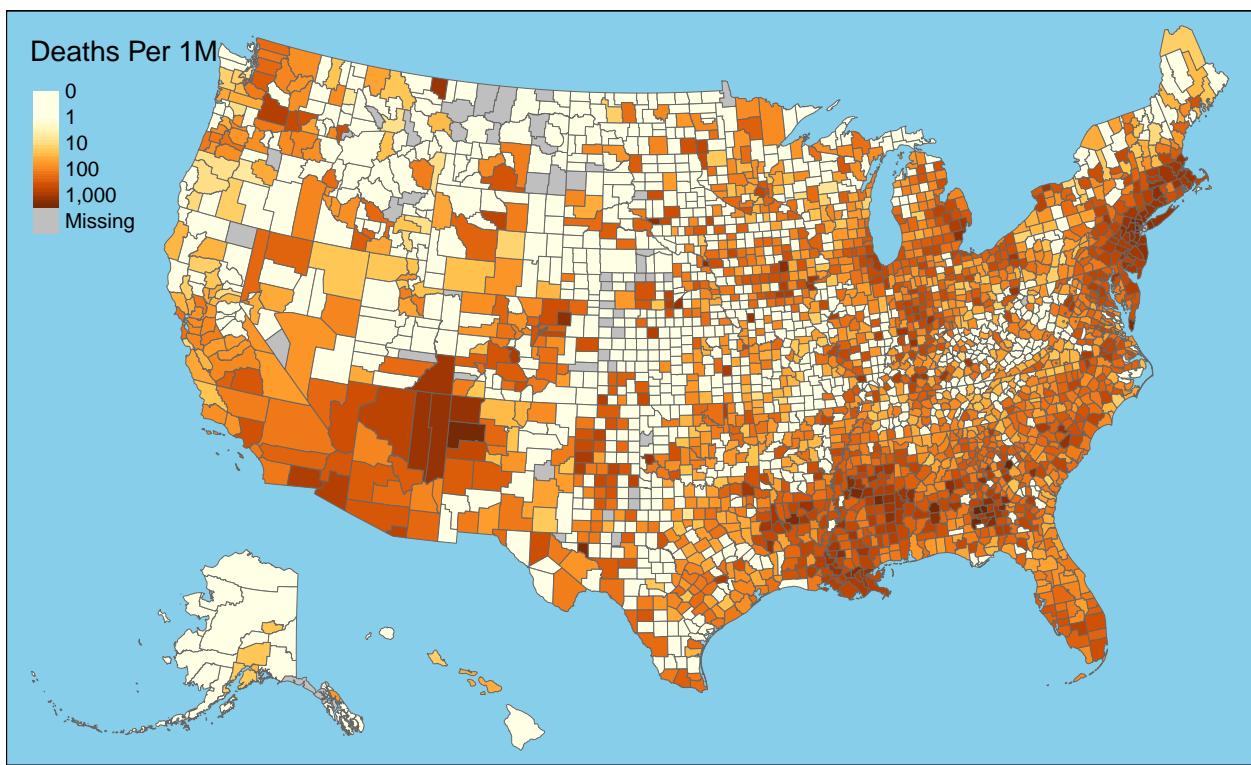


Daily Case Mortality Rate



One-Week Change in Daily Deaths

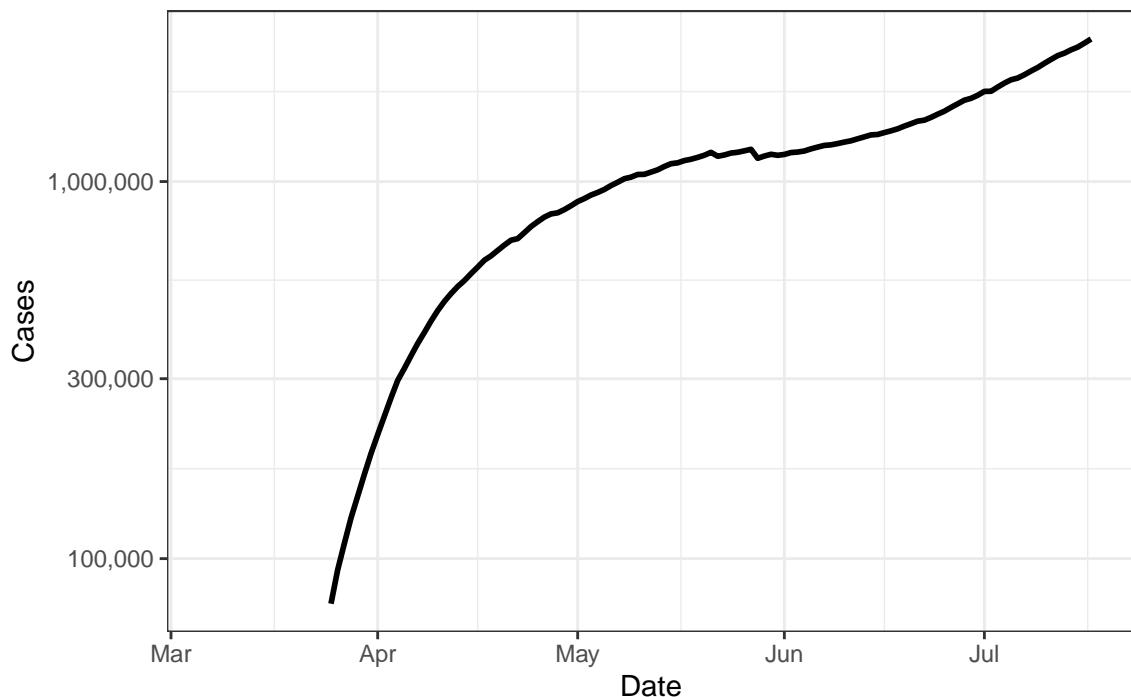




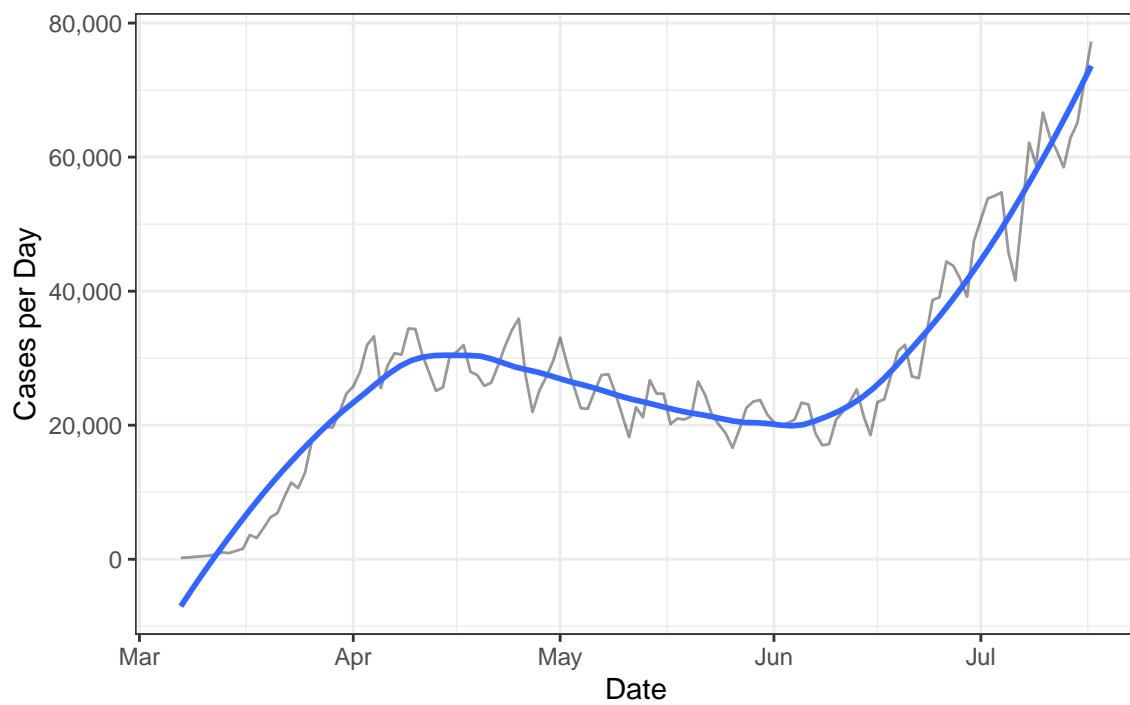
## Cases

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

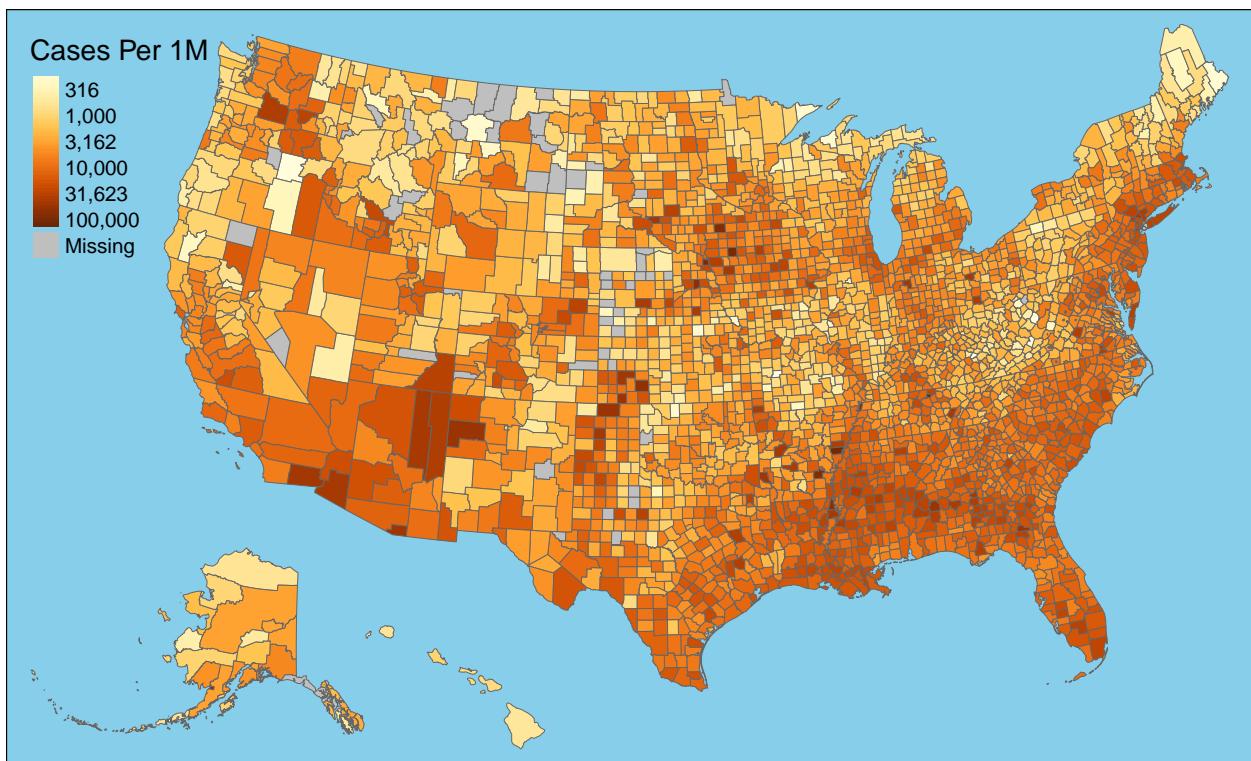
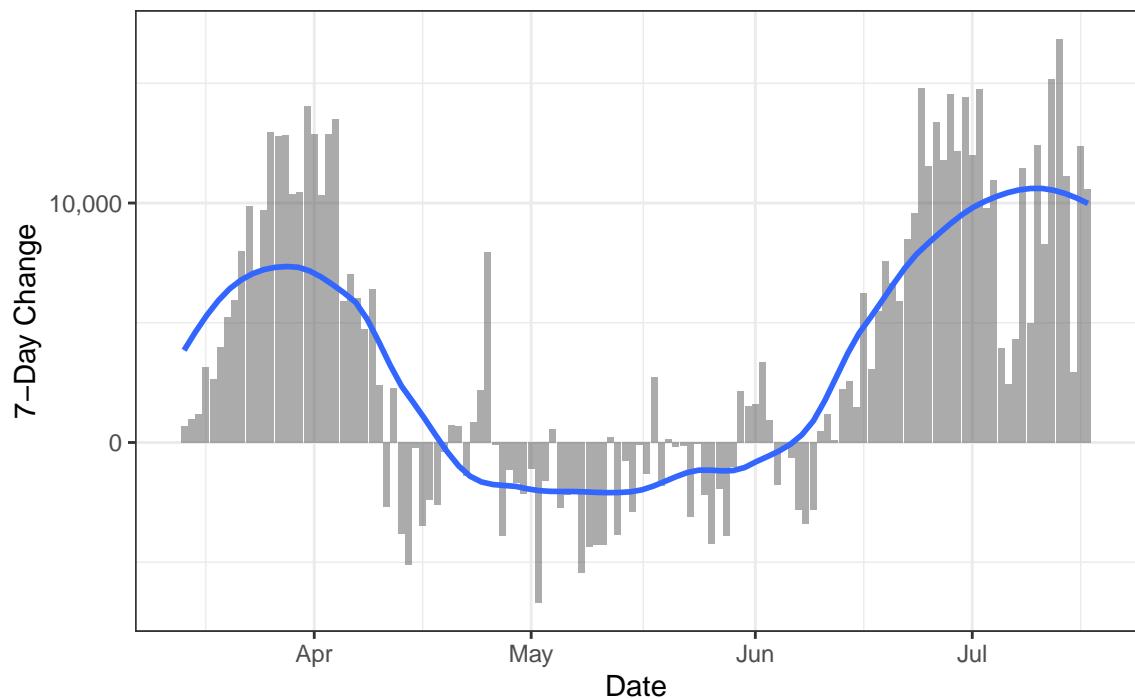
### Active Cases



### New Cases

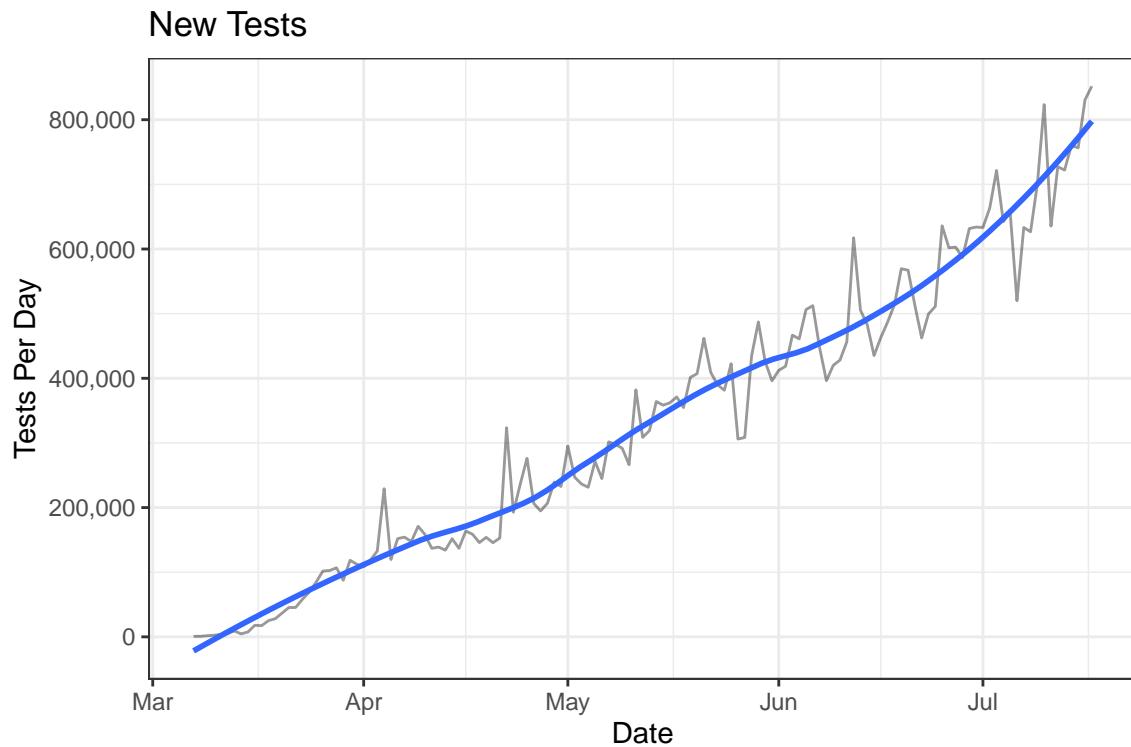
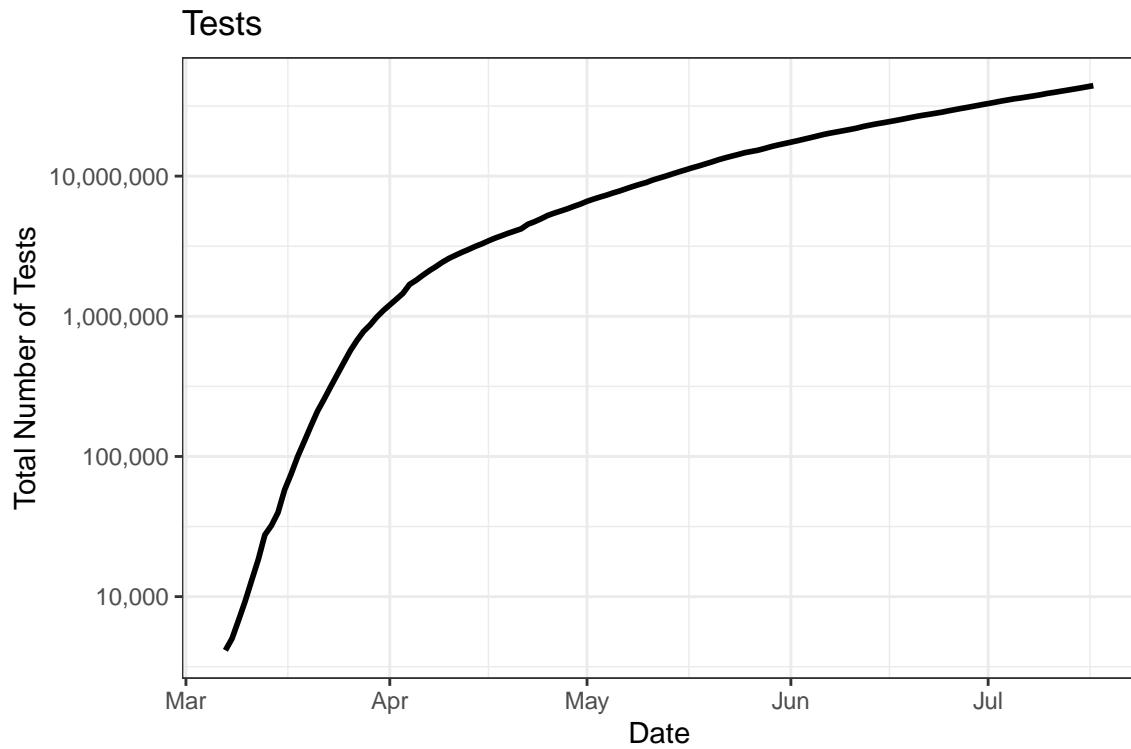


## One-Week Change in Daily Cases

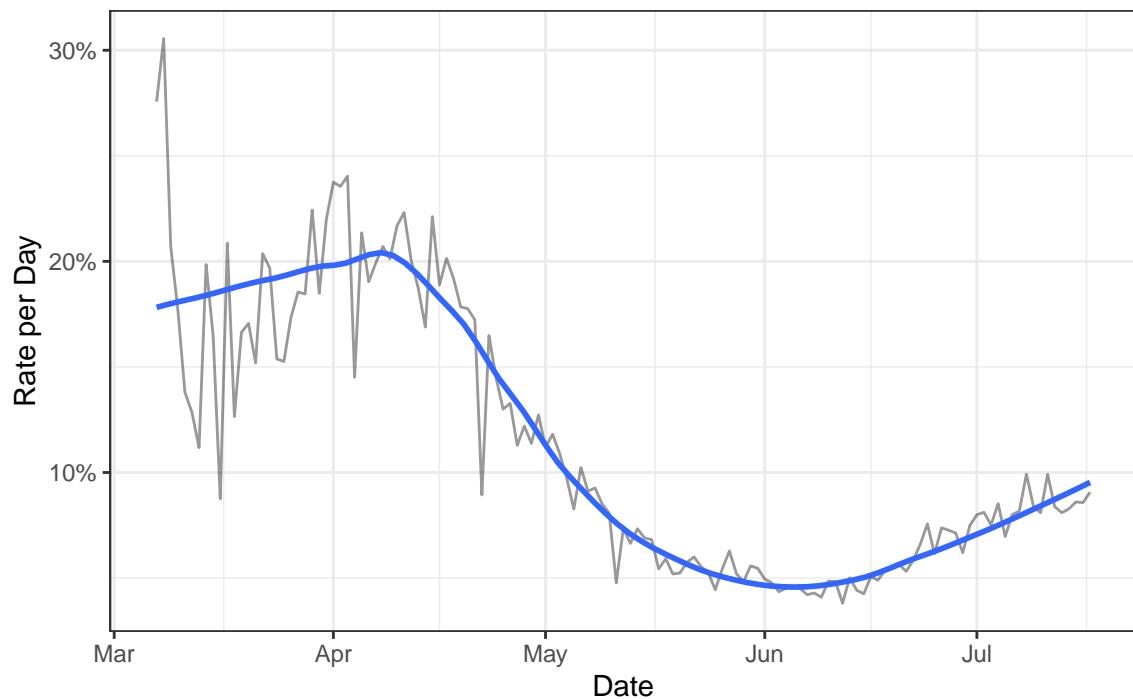


## Testing

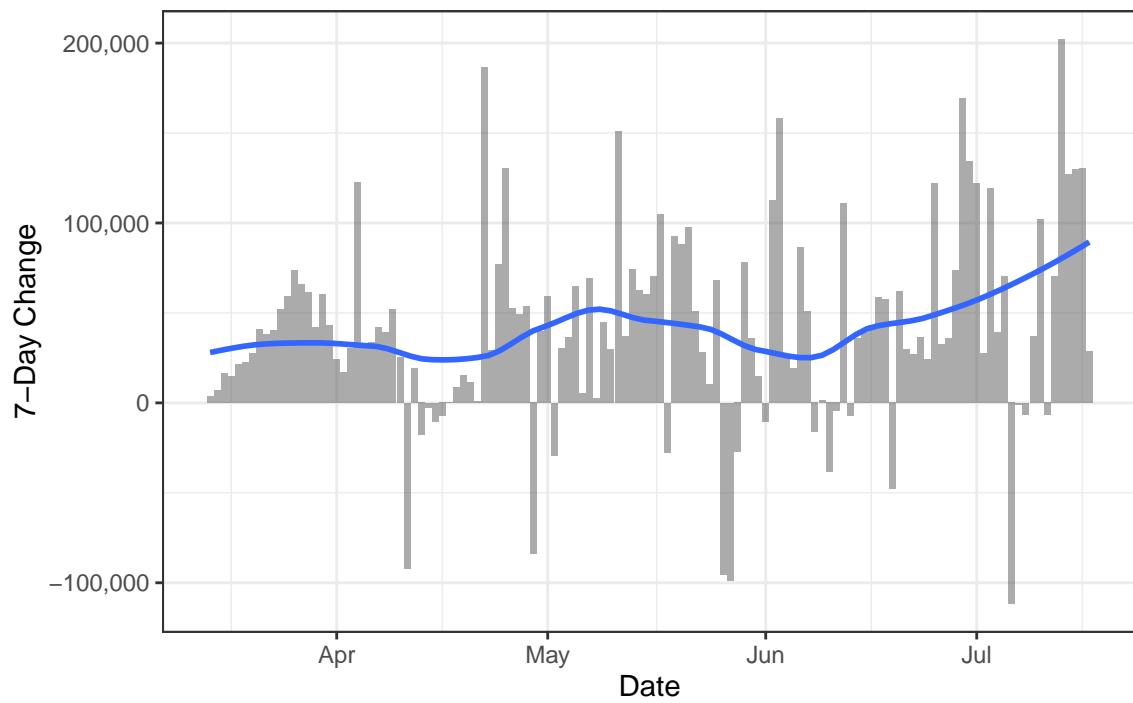
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

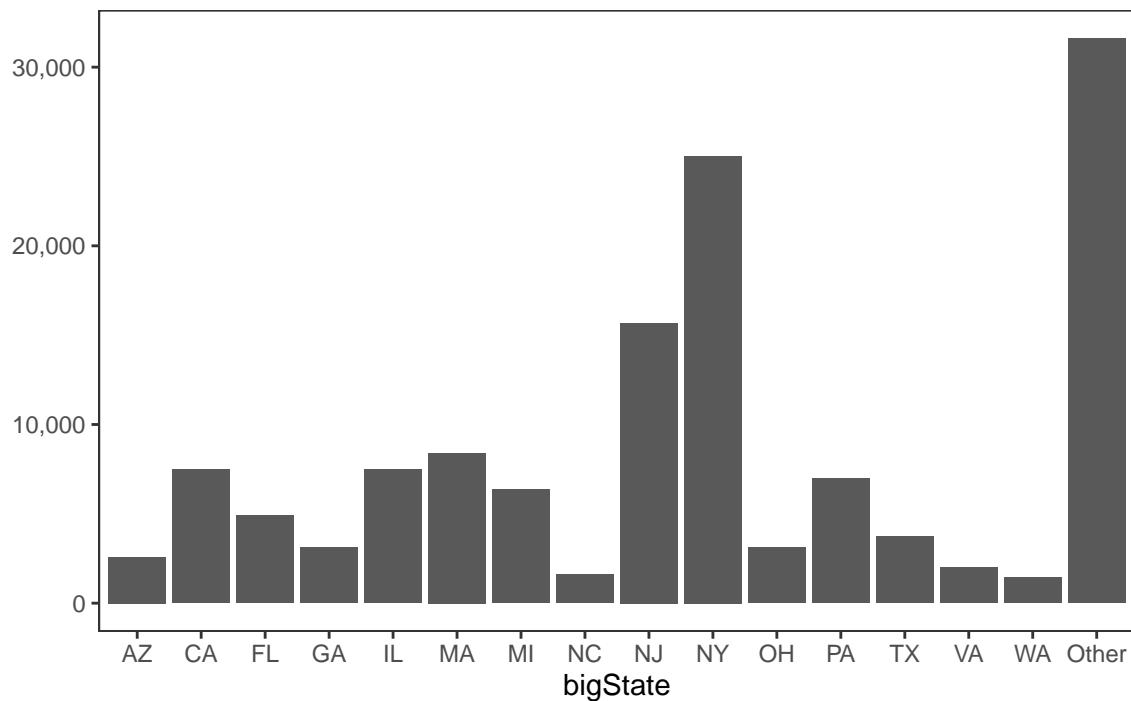


## State Data

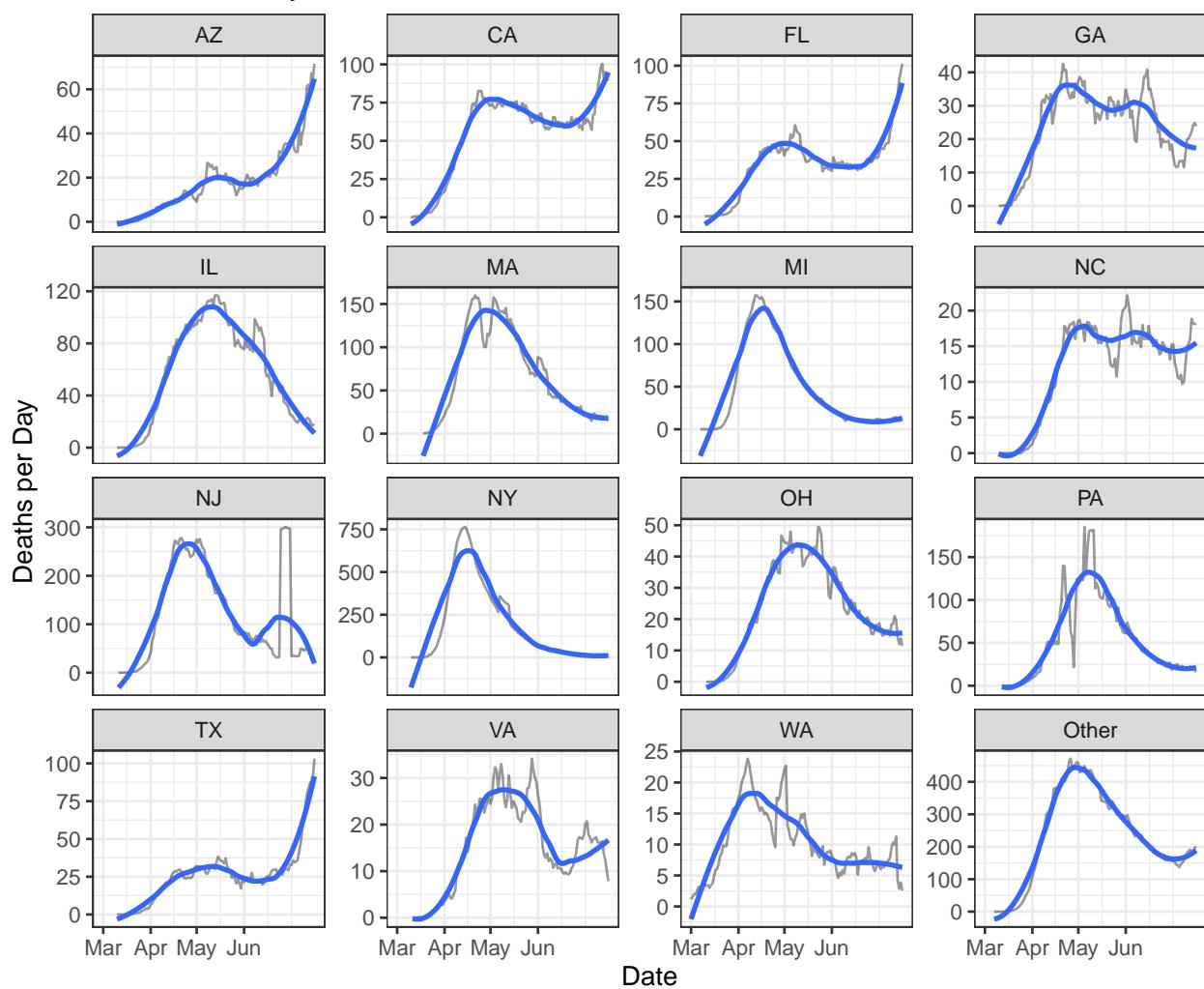
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

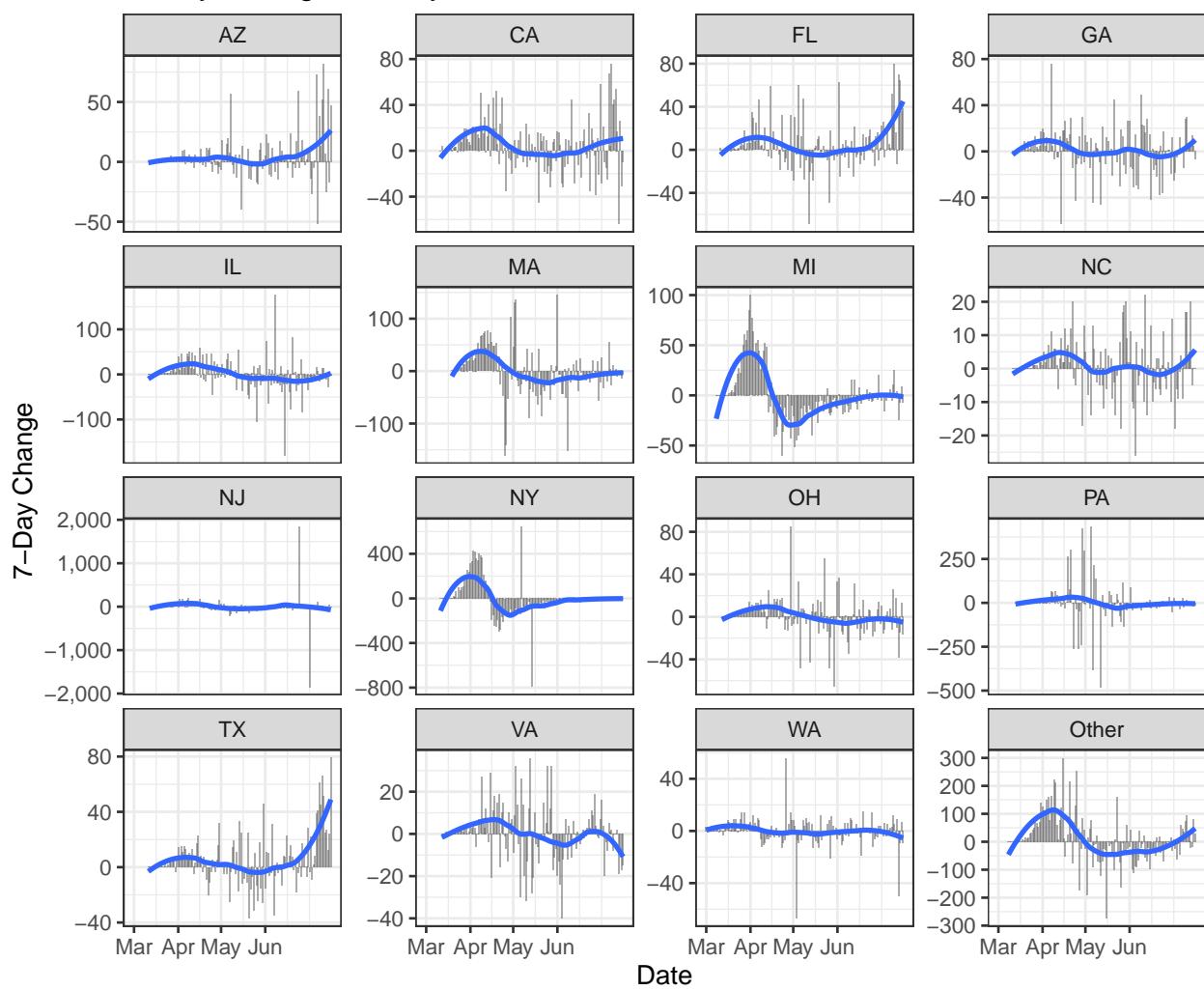
Deaths by State

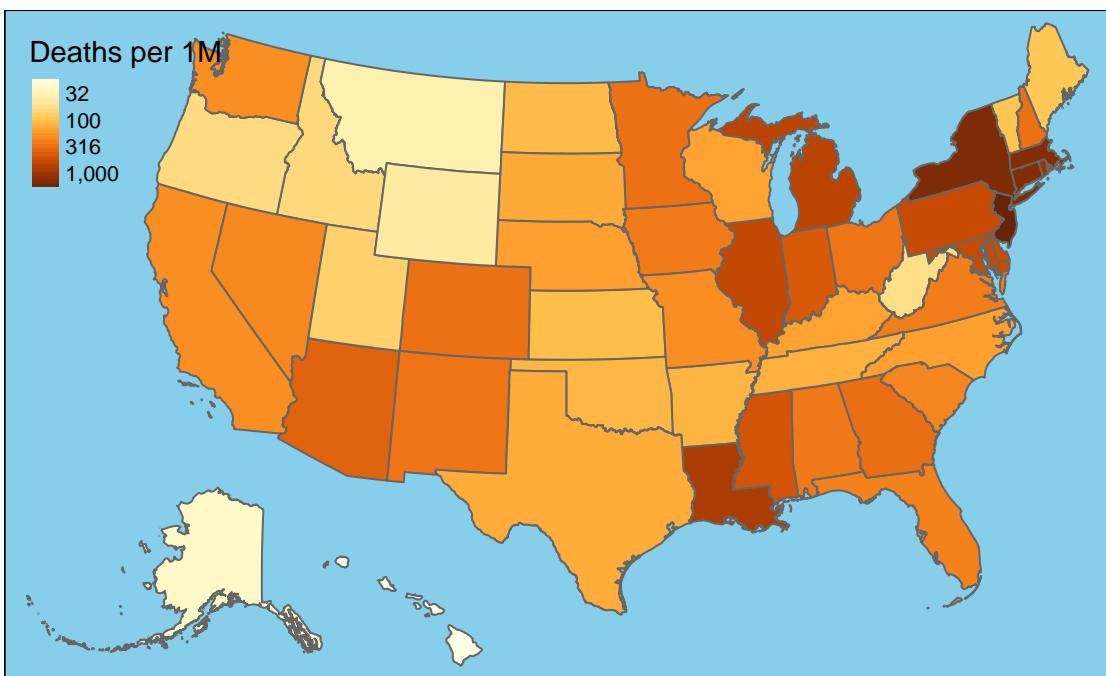
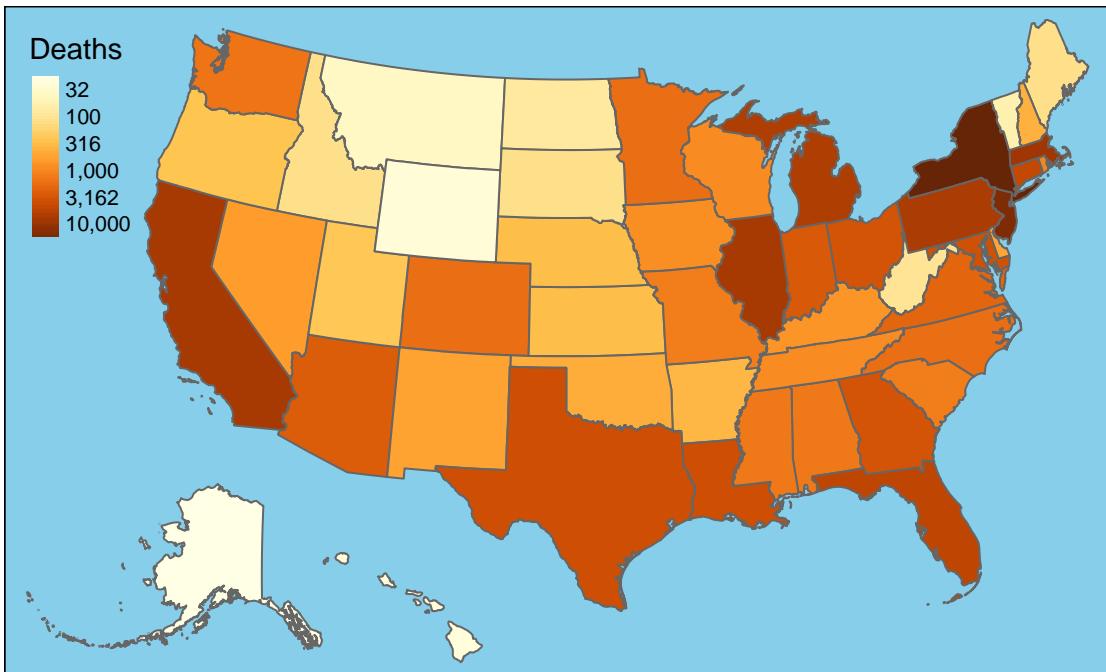


## New Deaths by State



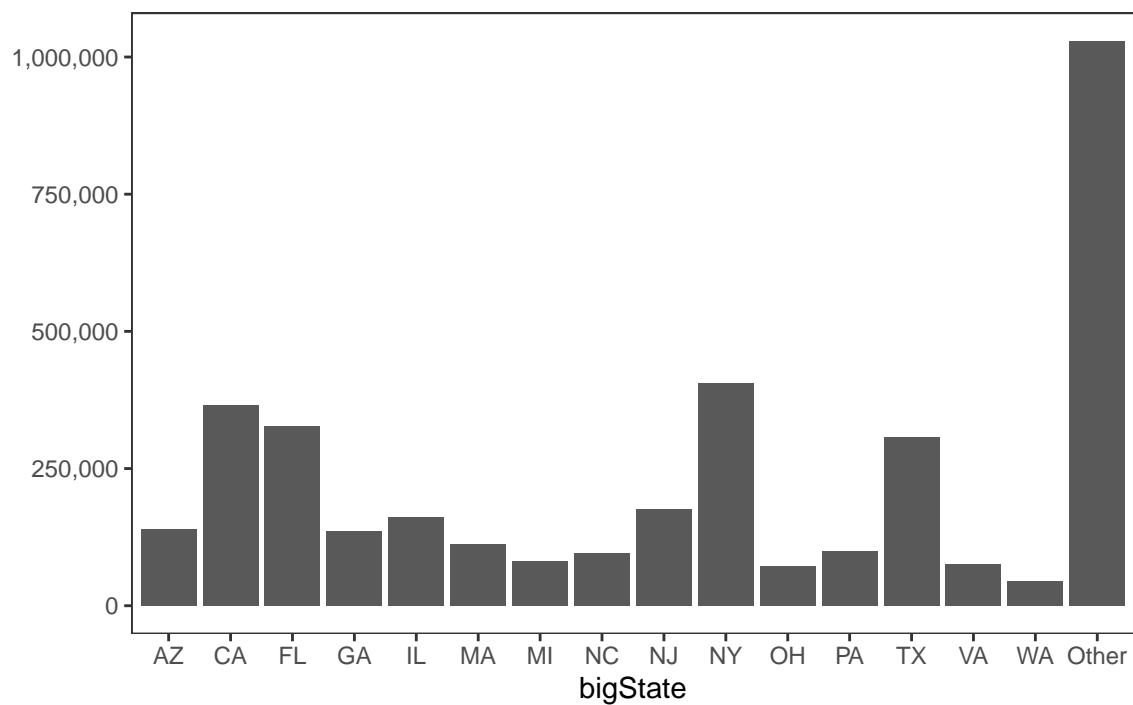
### 7-Day Change in Daily Deaths



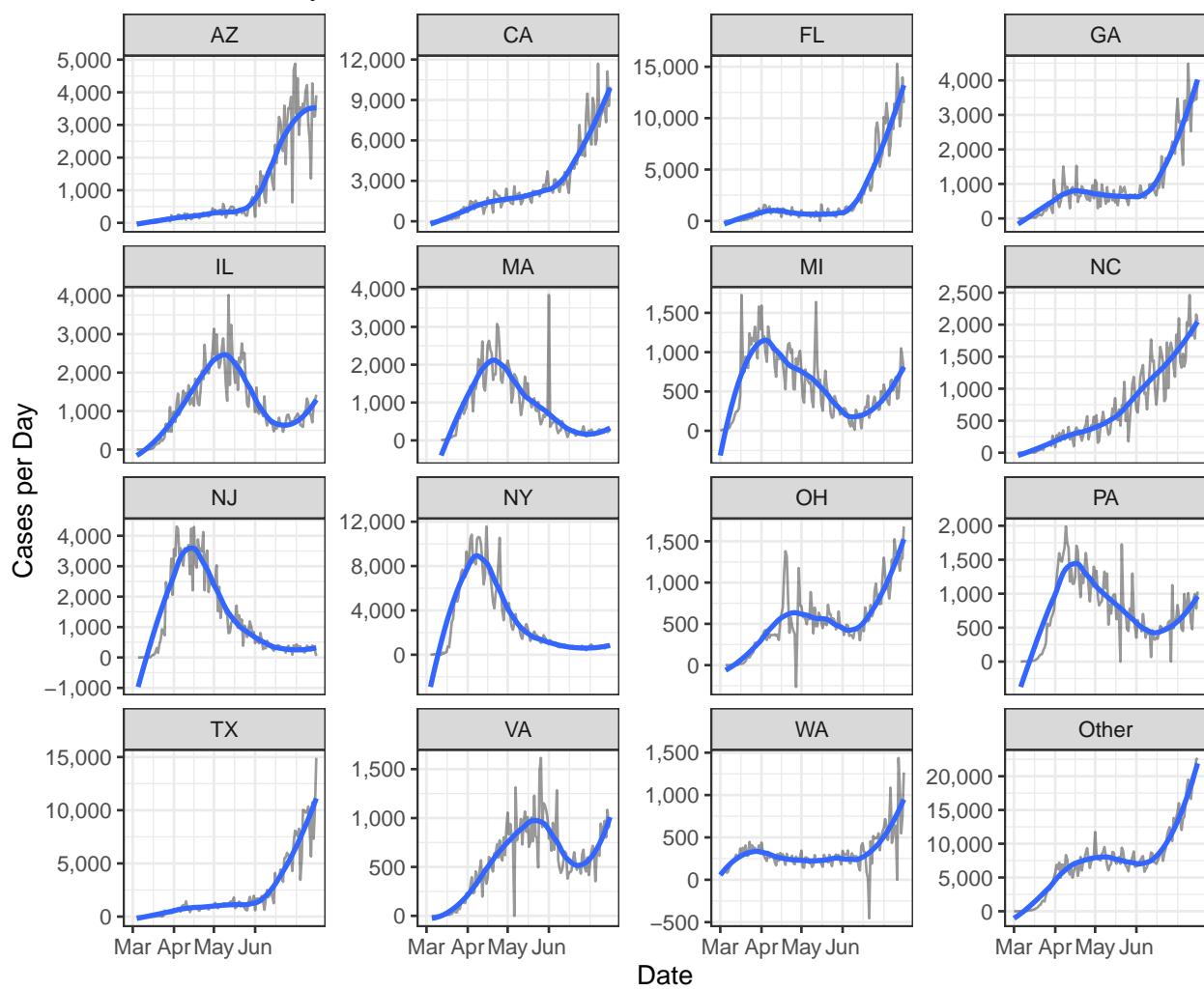


Cases

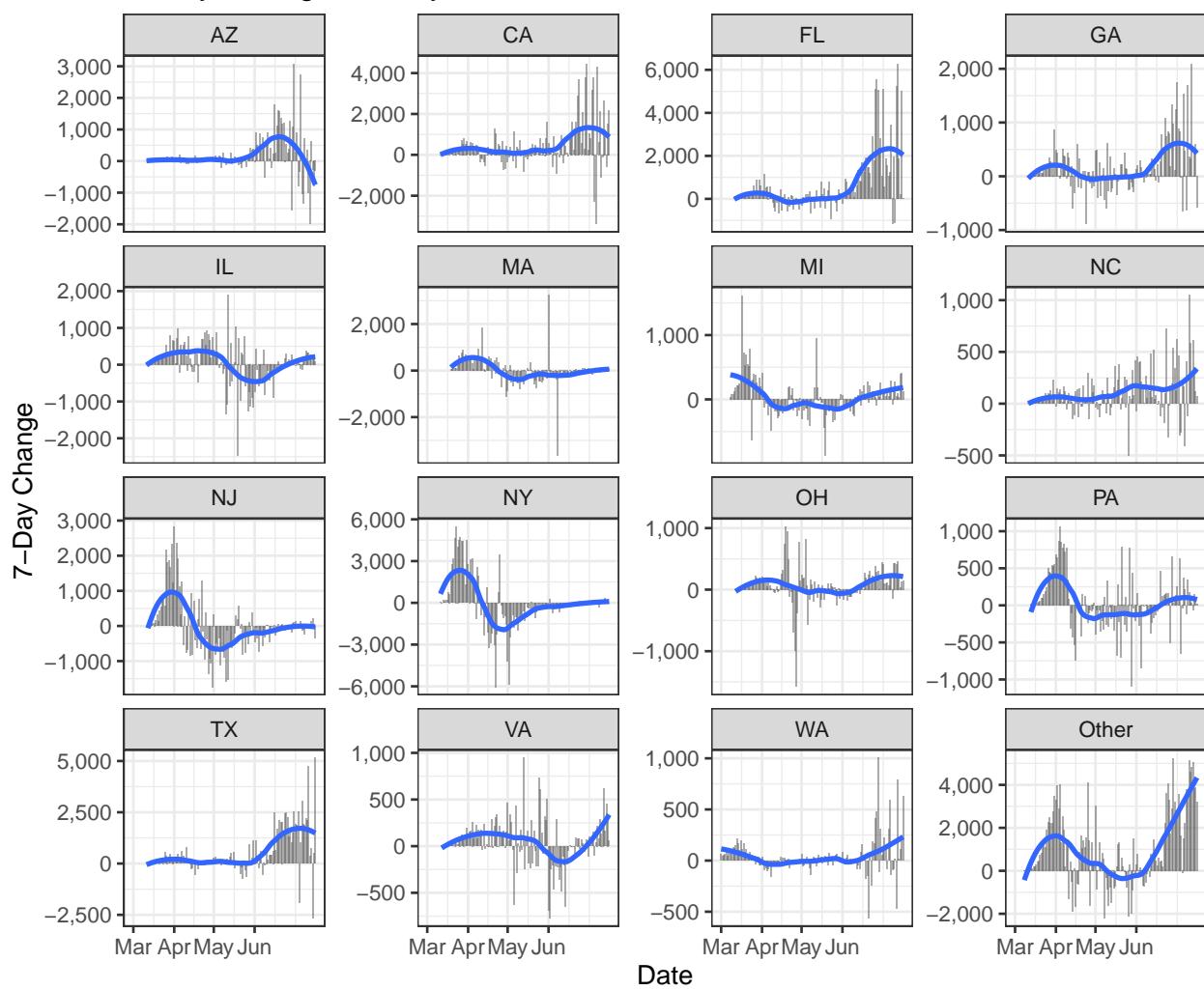
Cases by State

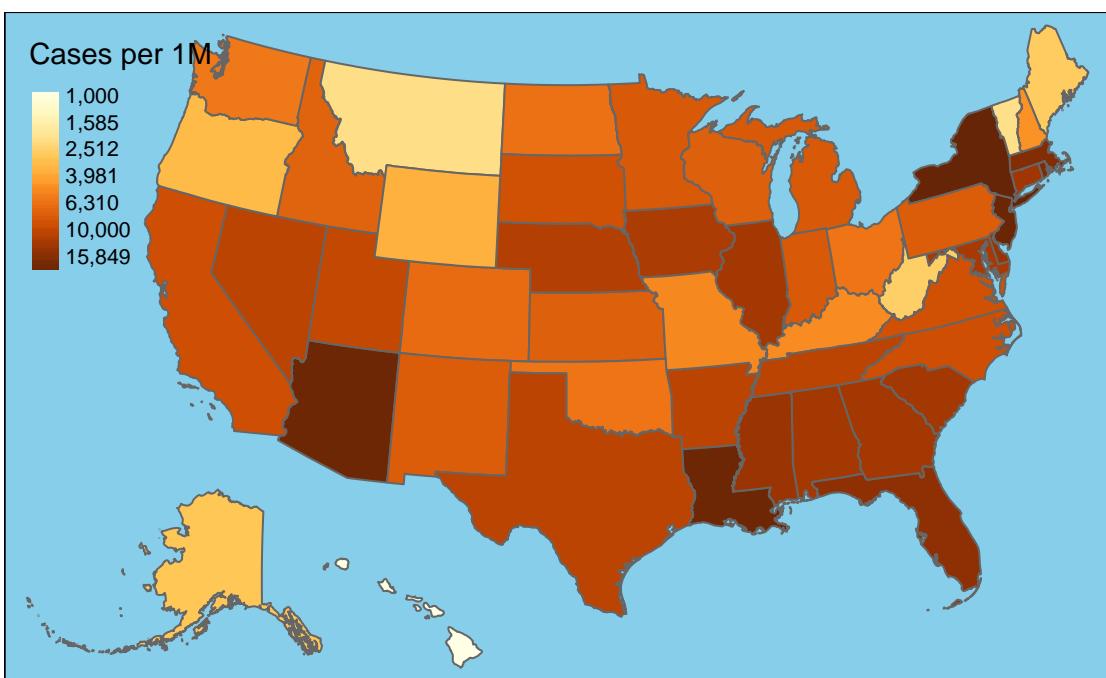
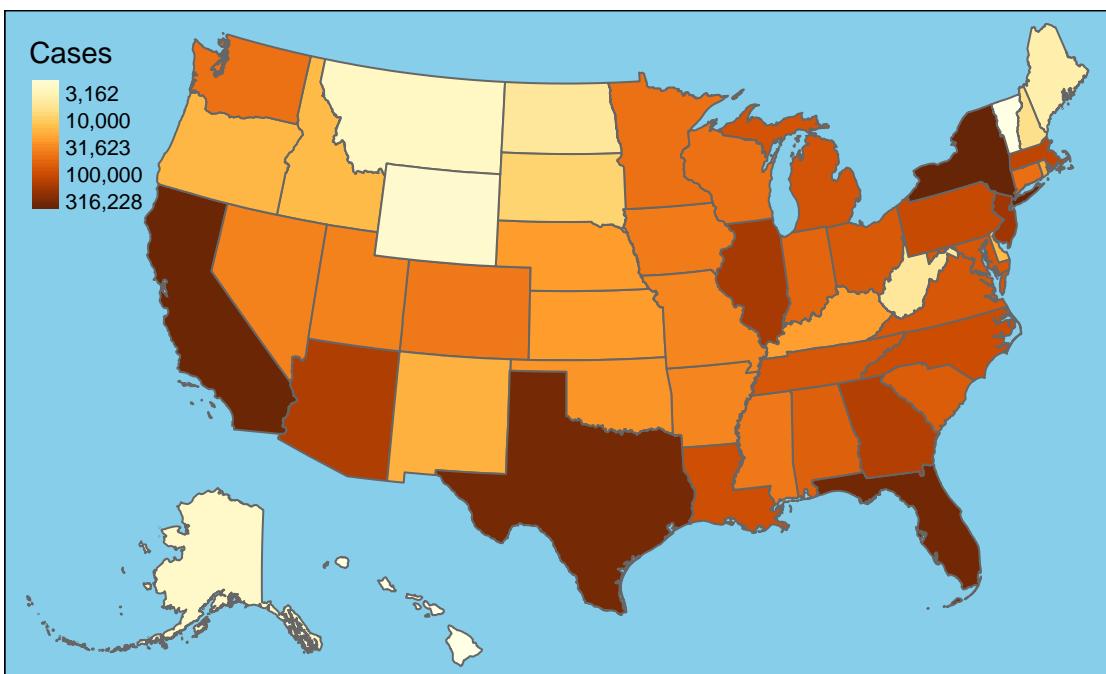


## New Cases by State



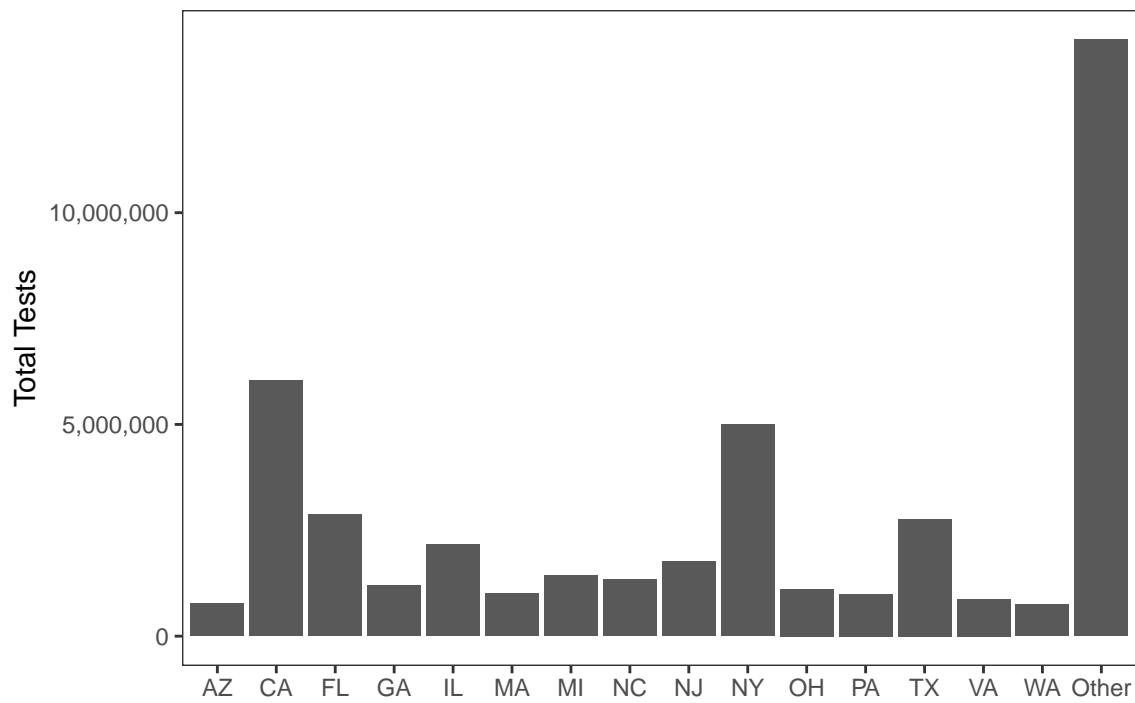
### 7-Day Change in Daily Cases



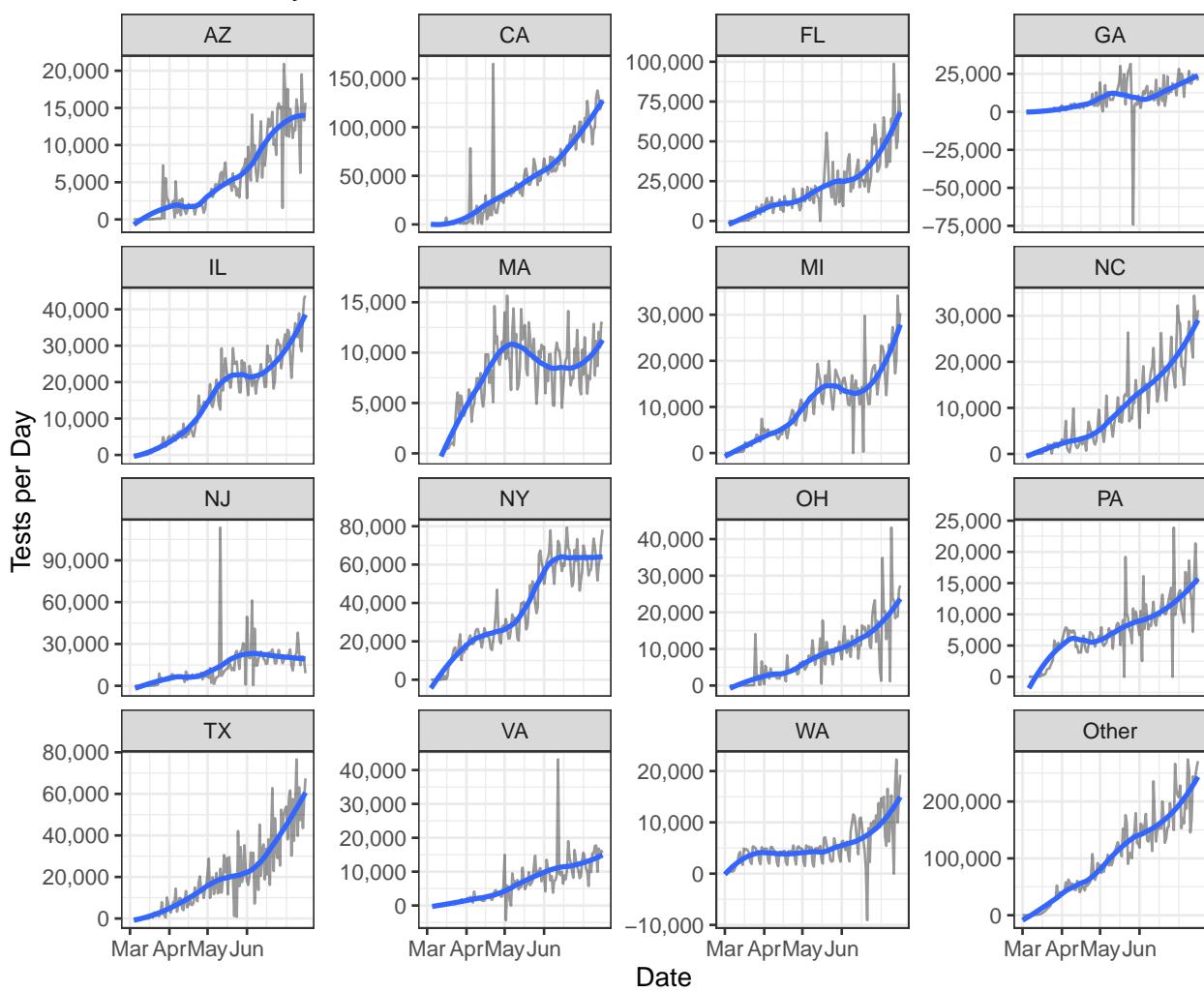


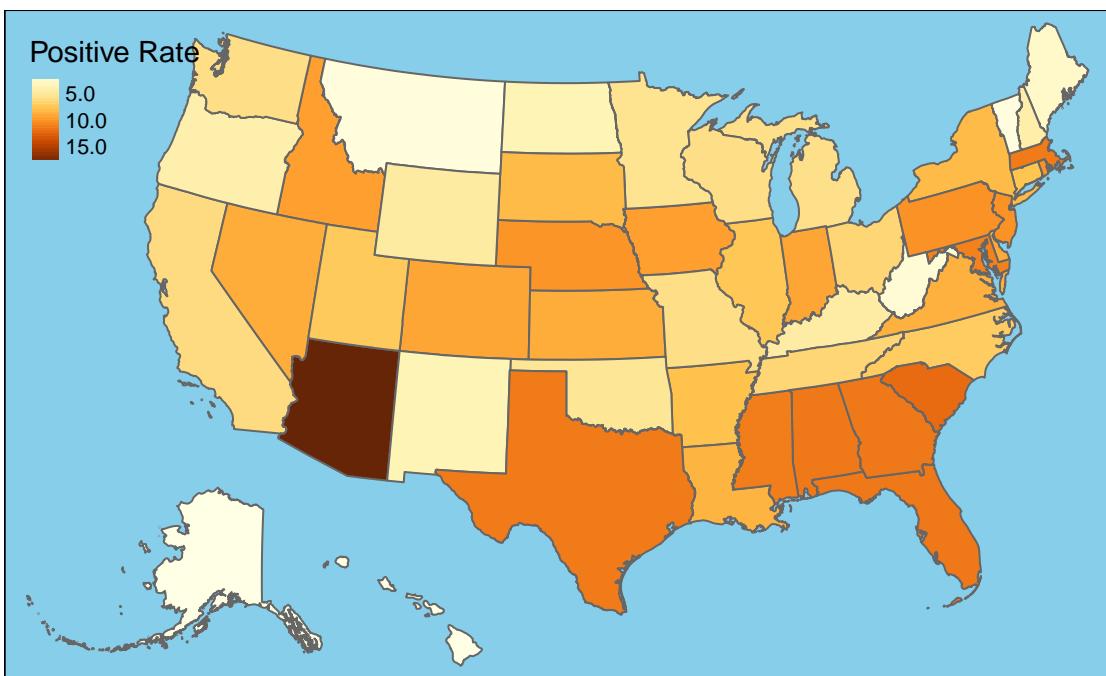
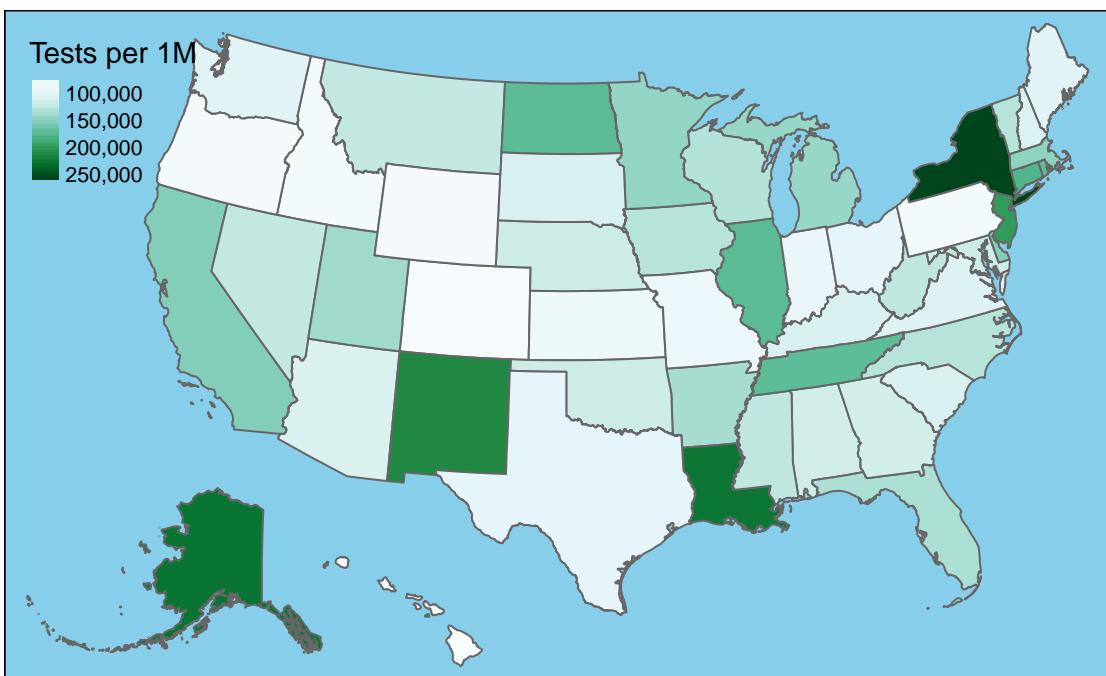
## Testing

Tests by State

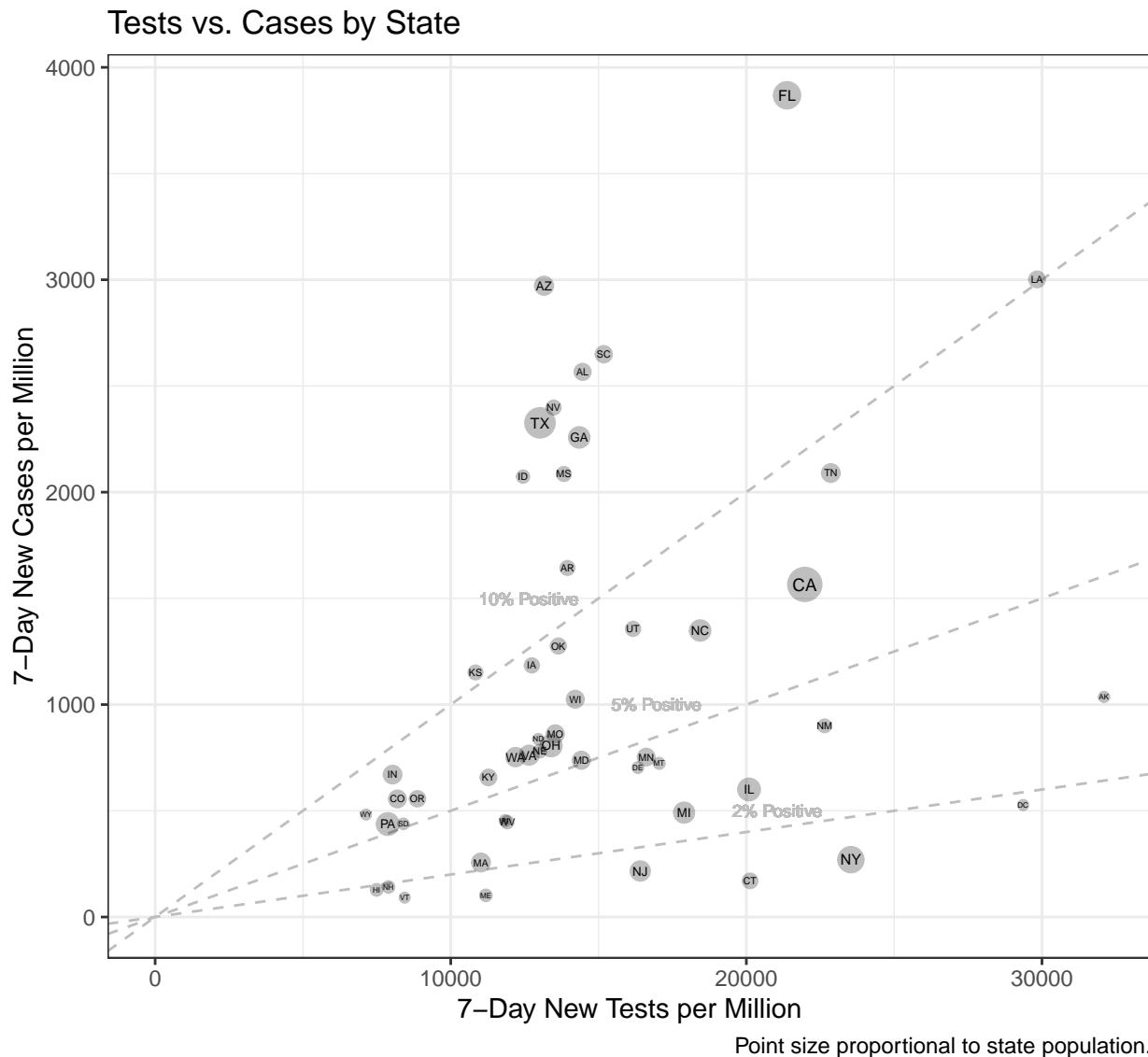


## New Tests by State





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.



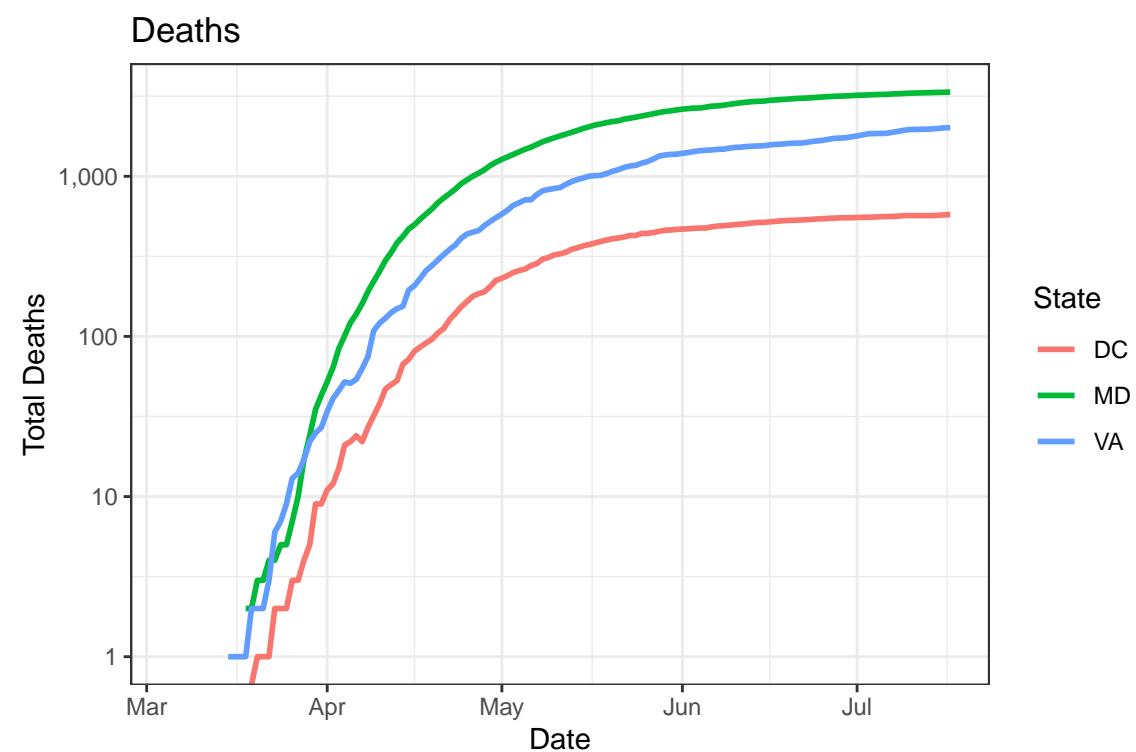
## Local Data

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

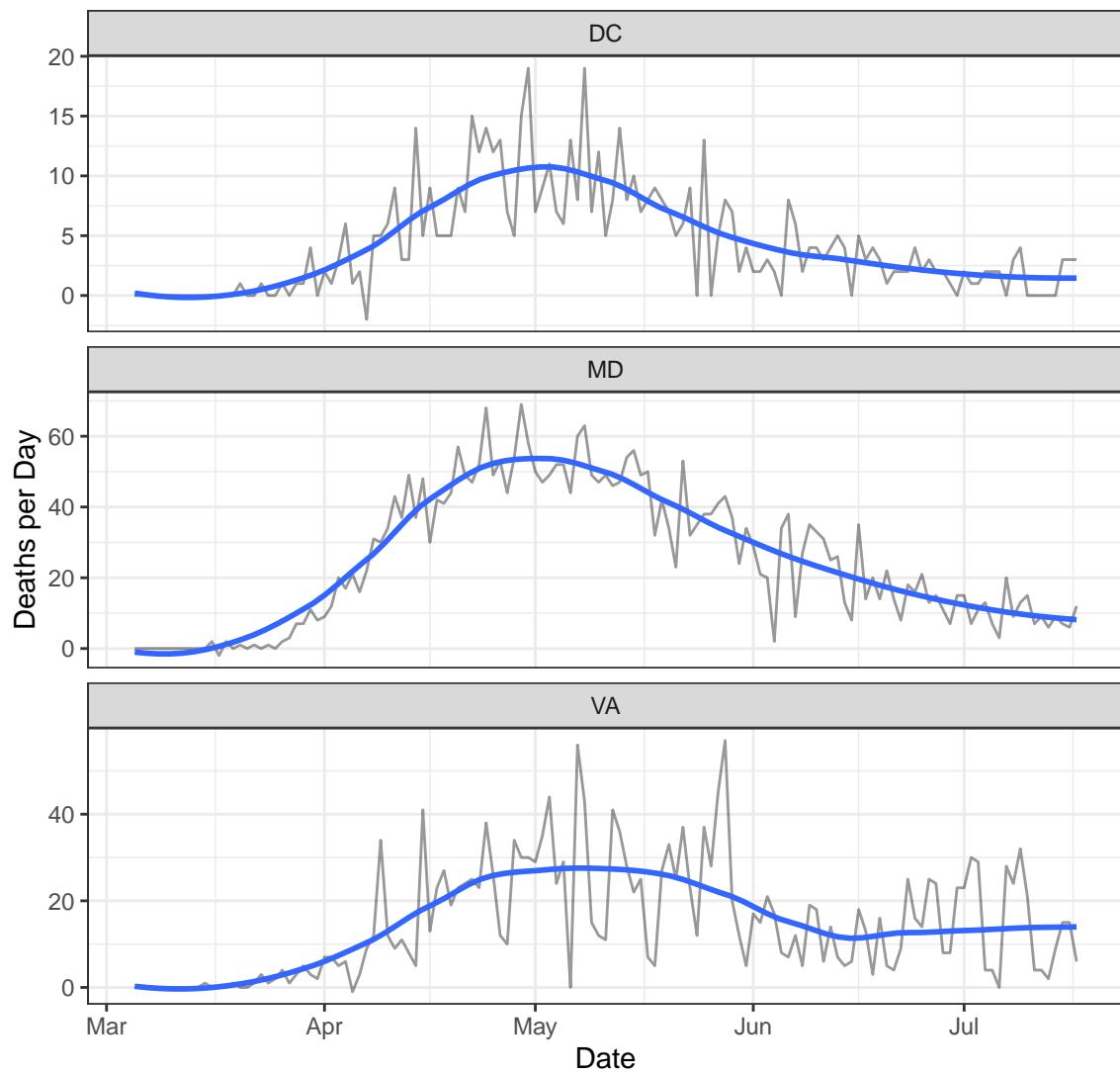
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,115	577	39	3
MD	76,371	3,359	707	12
VA	75,433	2,013	1,002	6

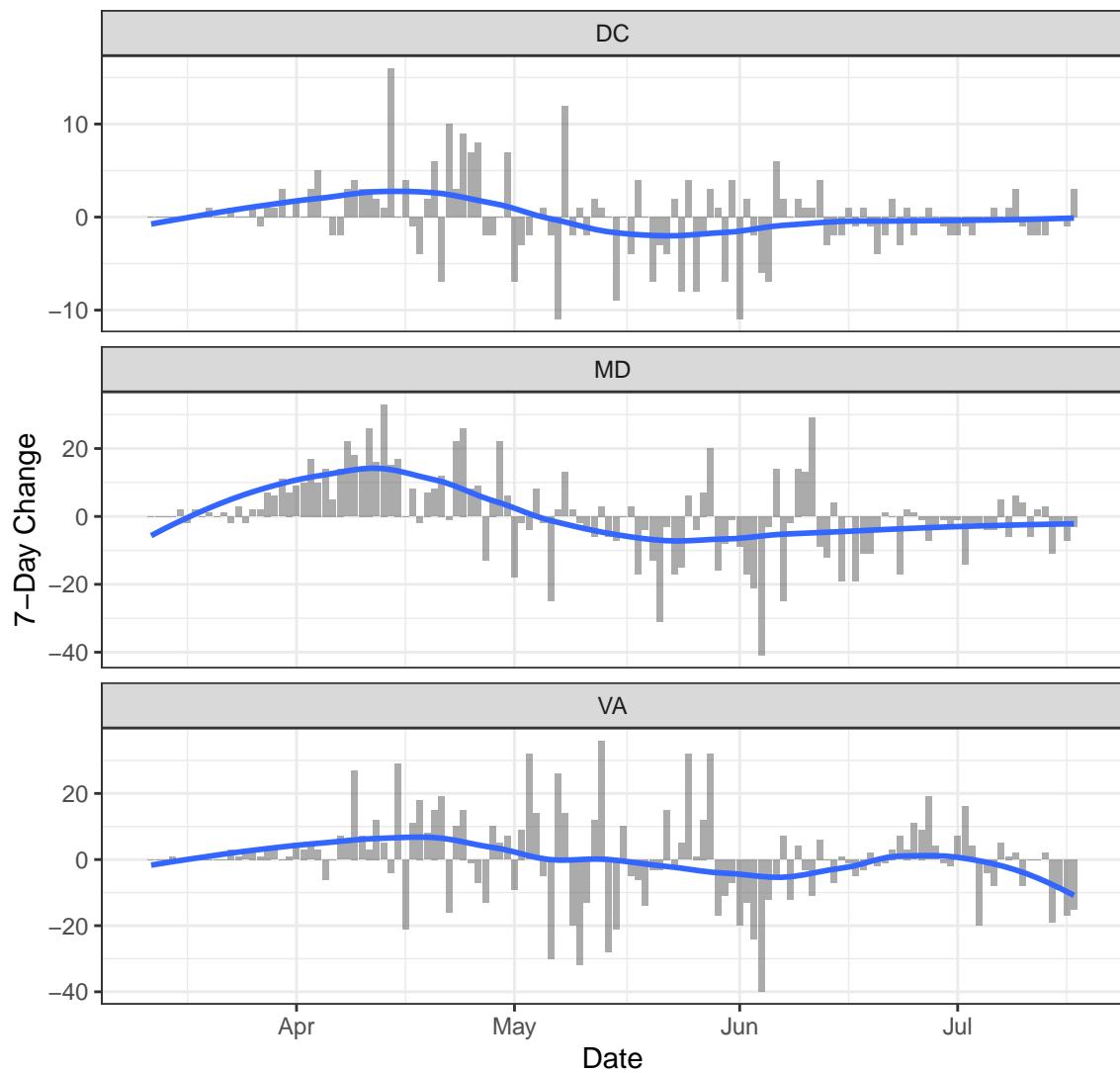
## Deaths

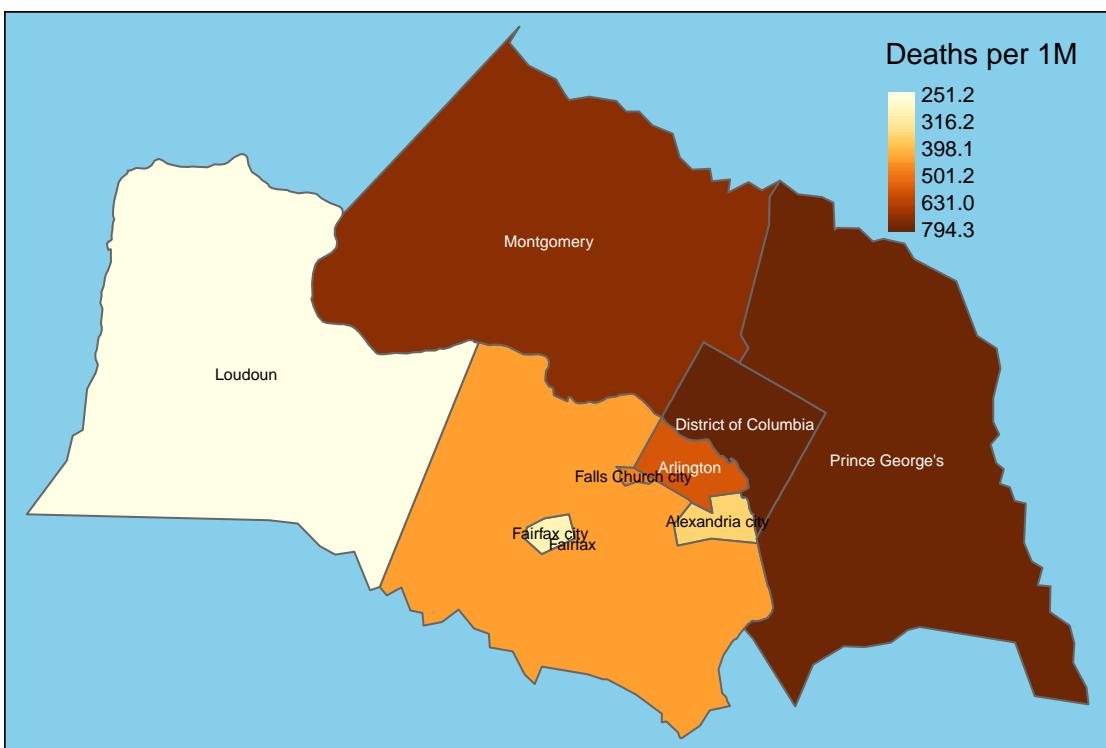
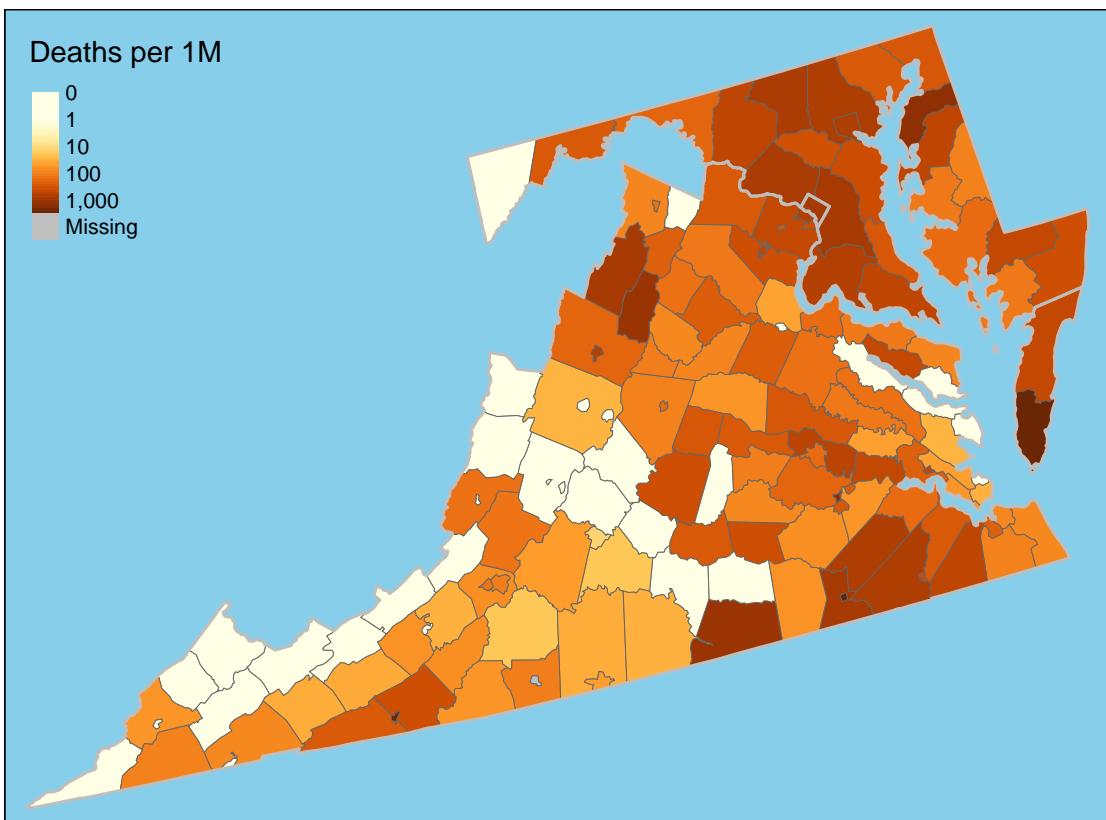


## New Deaths

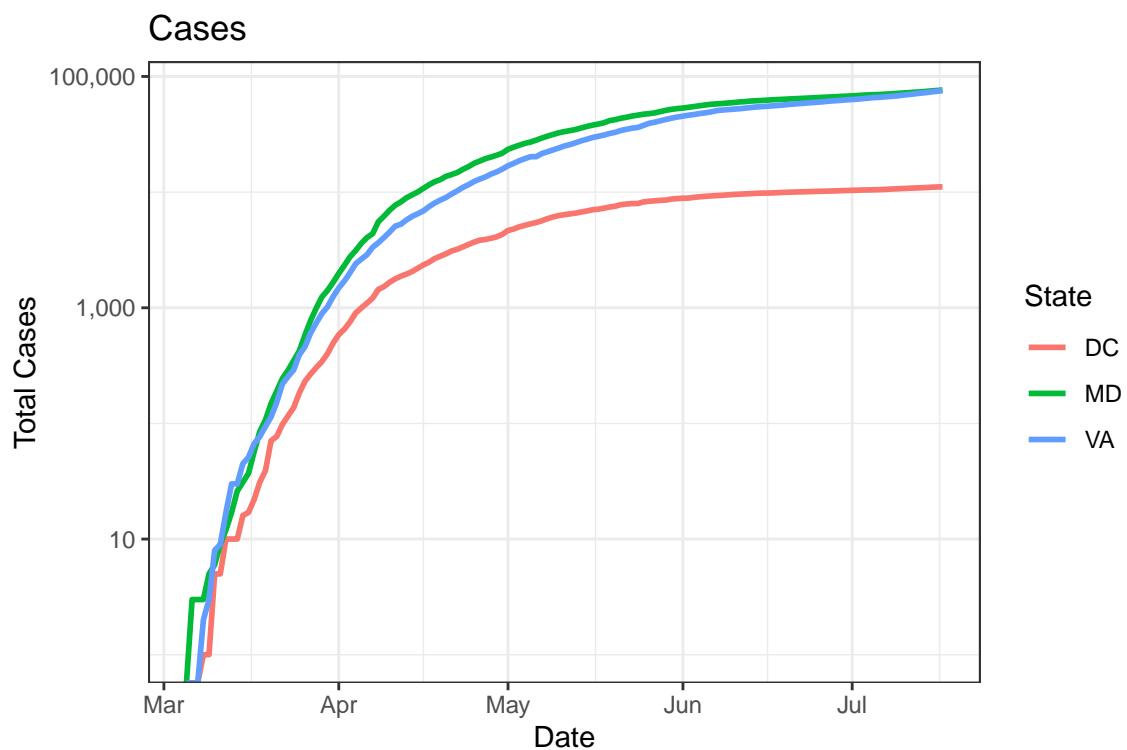


## One-Week Change in Daily Deaths

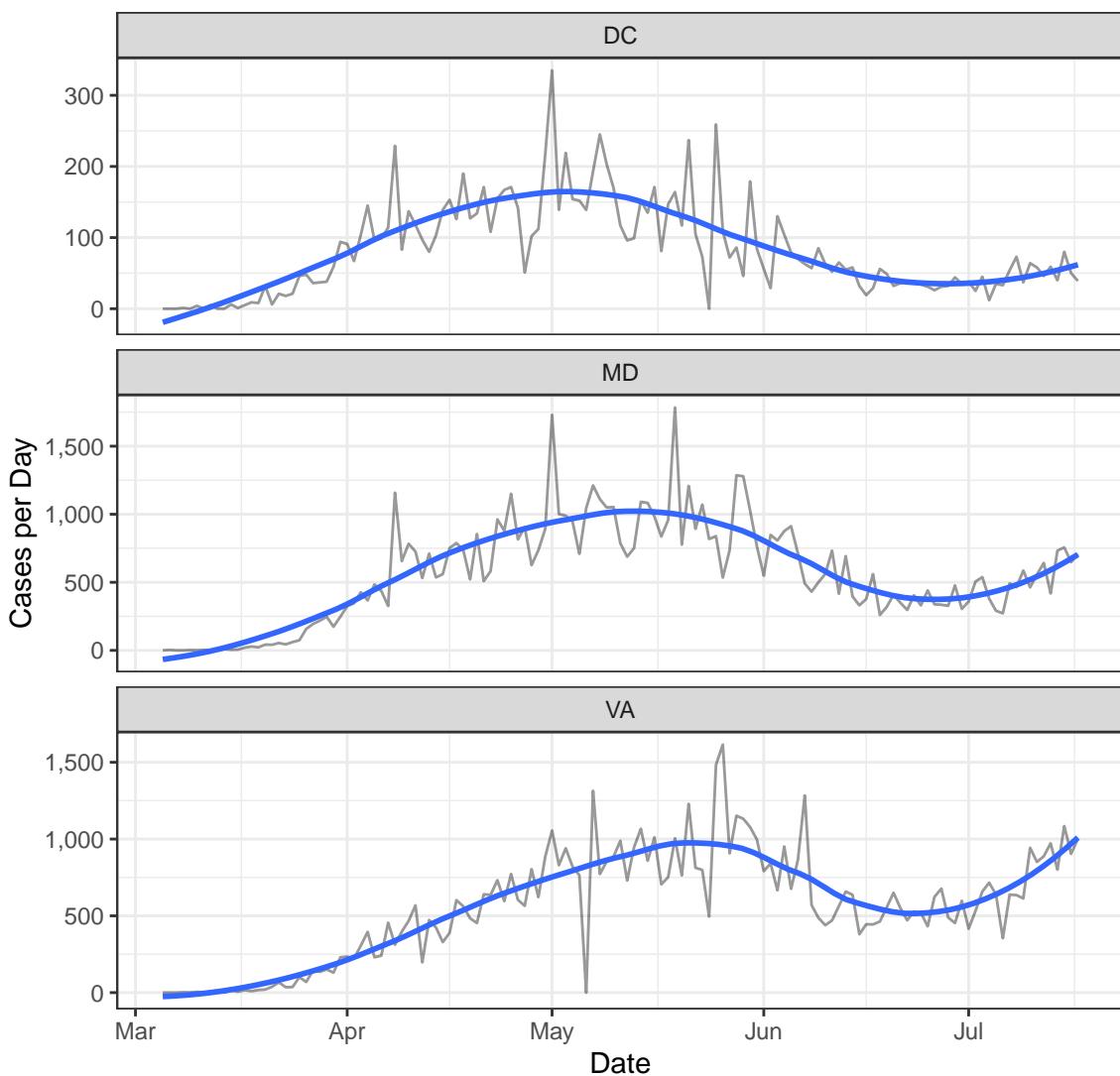




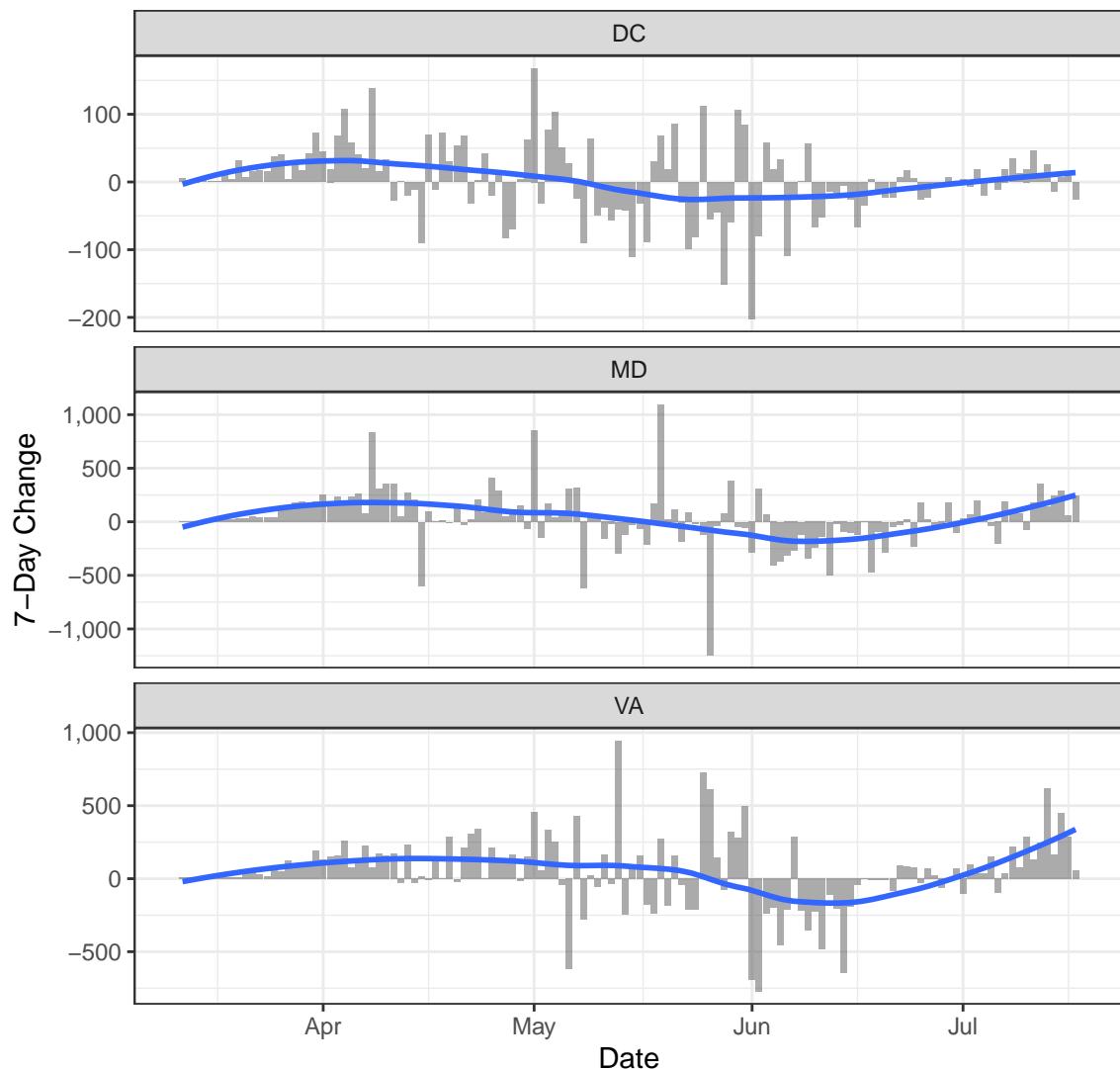
## Cases

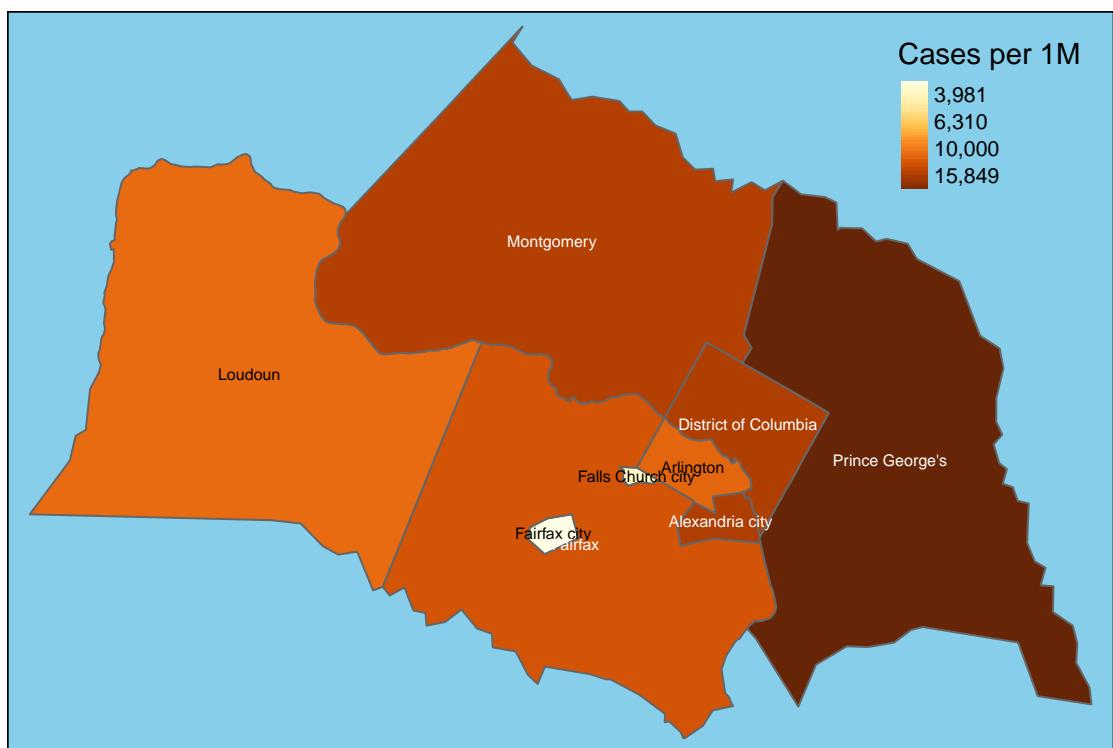
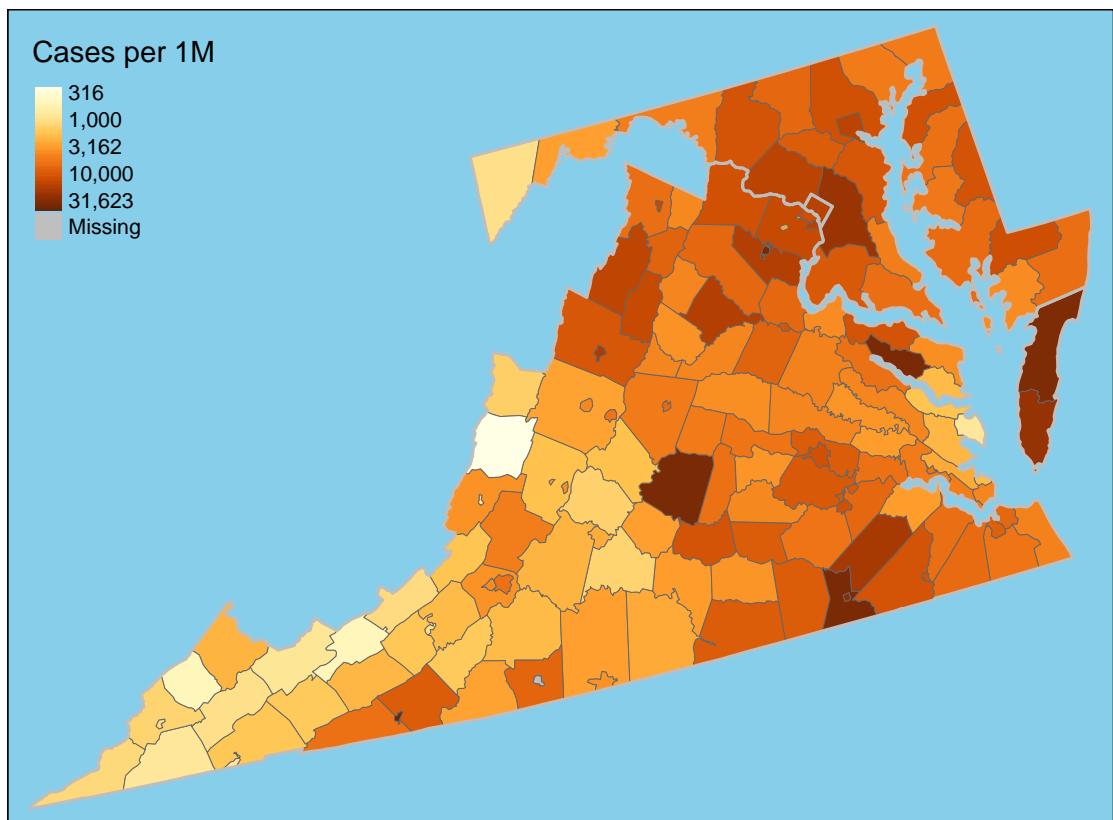


## New Cases

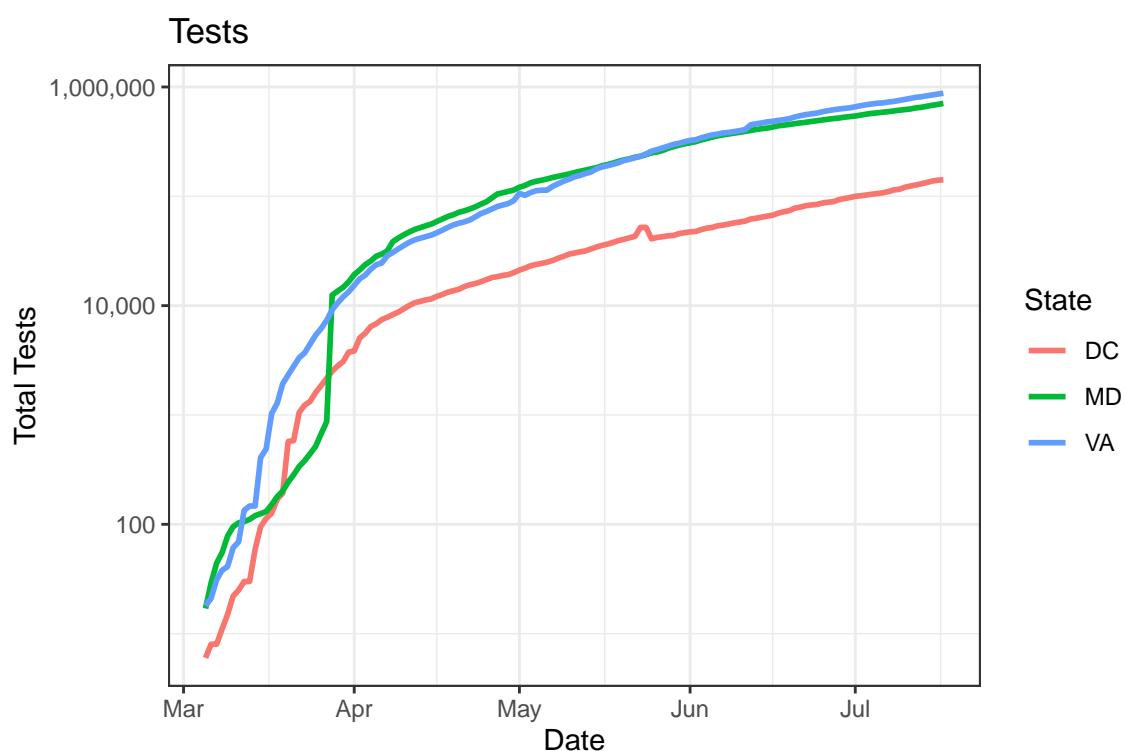


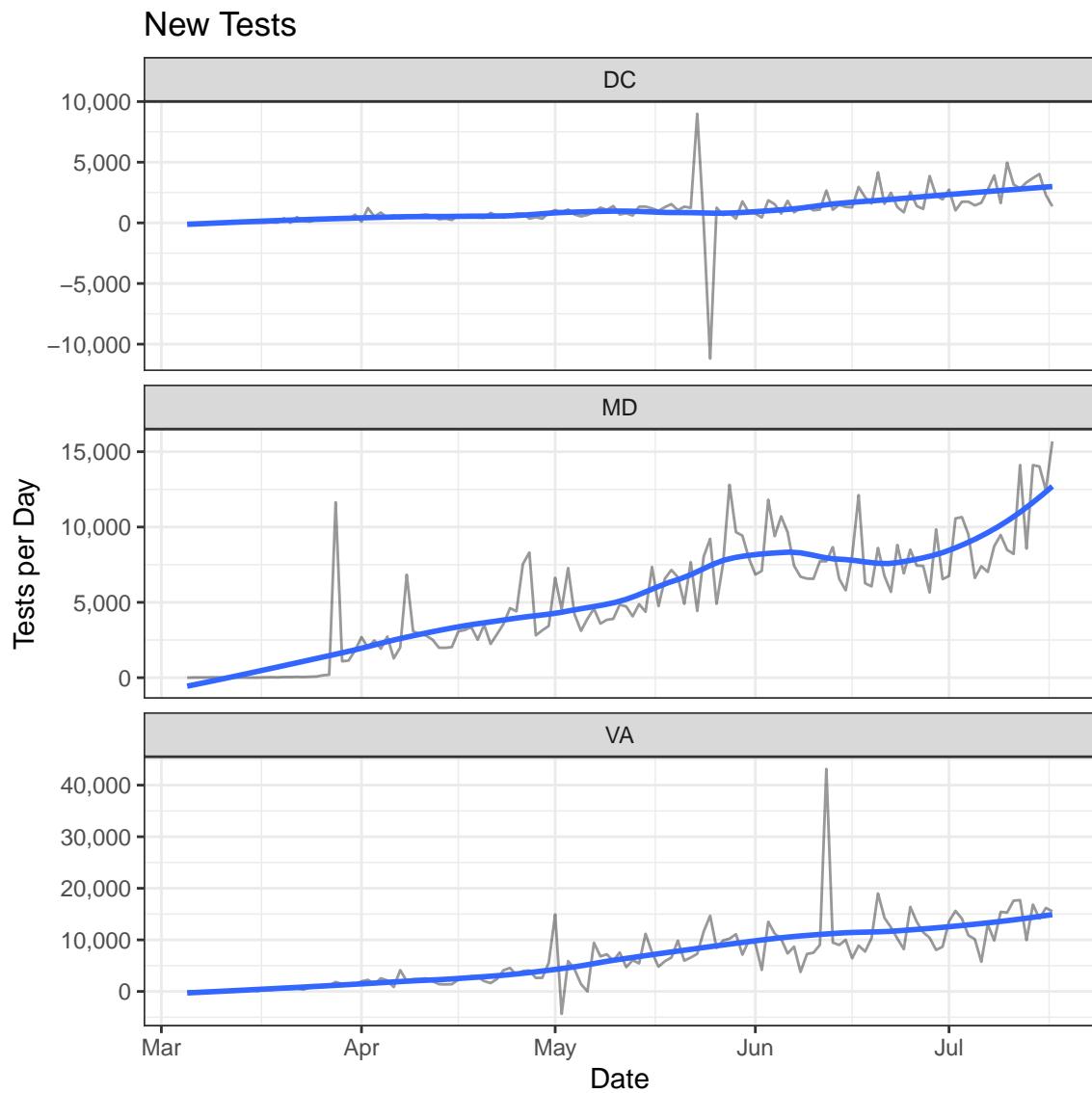
## One-Week Change in Daily Cases





## Testing





## Positive Test Rate

