

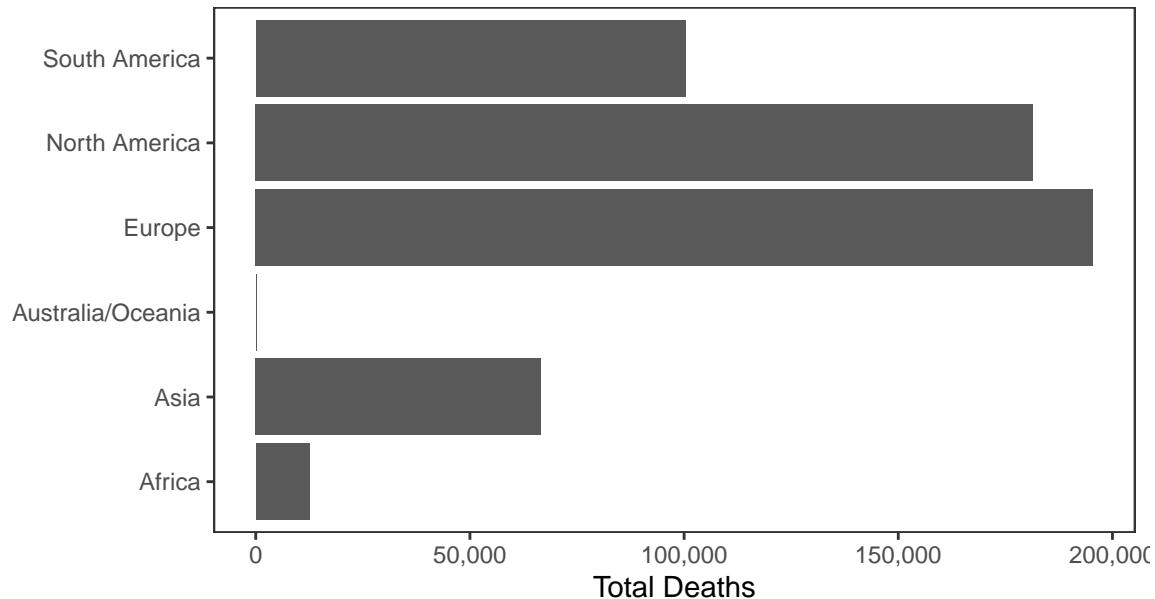
# Erik's Covid-19 Chart Pack

Data updated 2020-07-10 18:27:10. 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 12,379,661 confirmed Covid-19 cases and 556,623 deaths worldwide.

**Deaths**



**Cases**

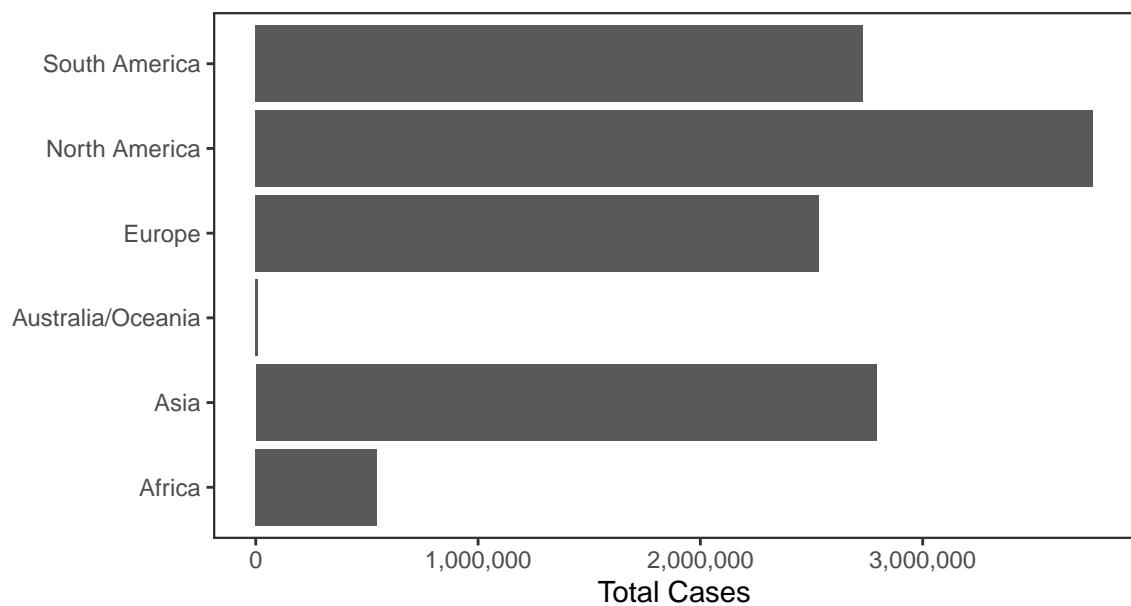
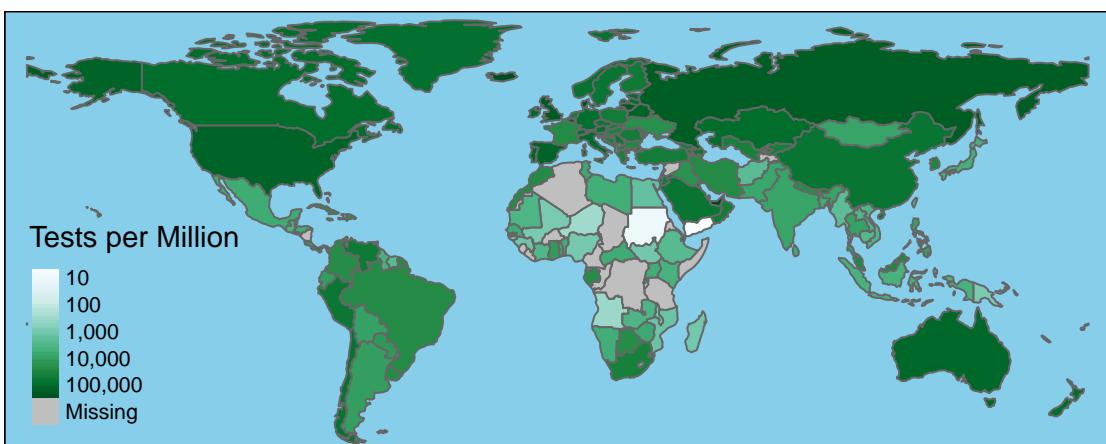
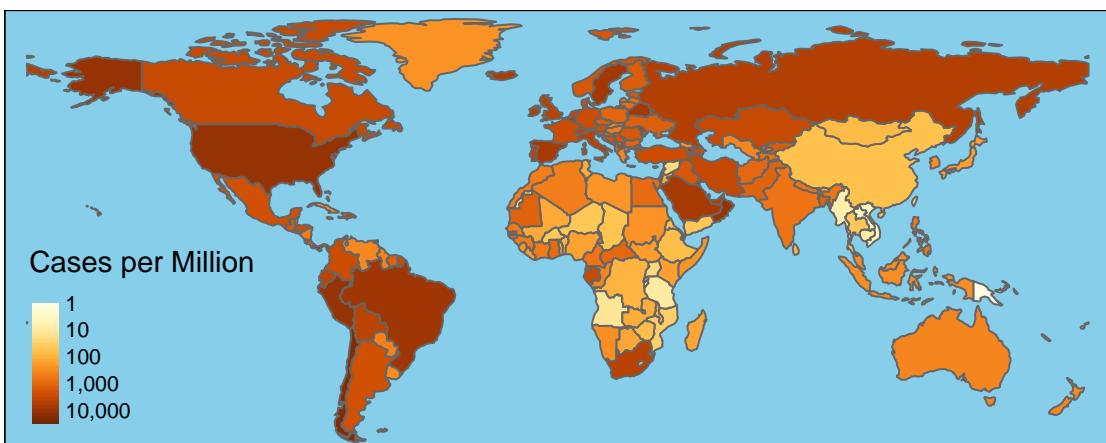
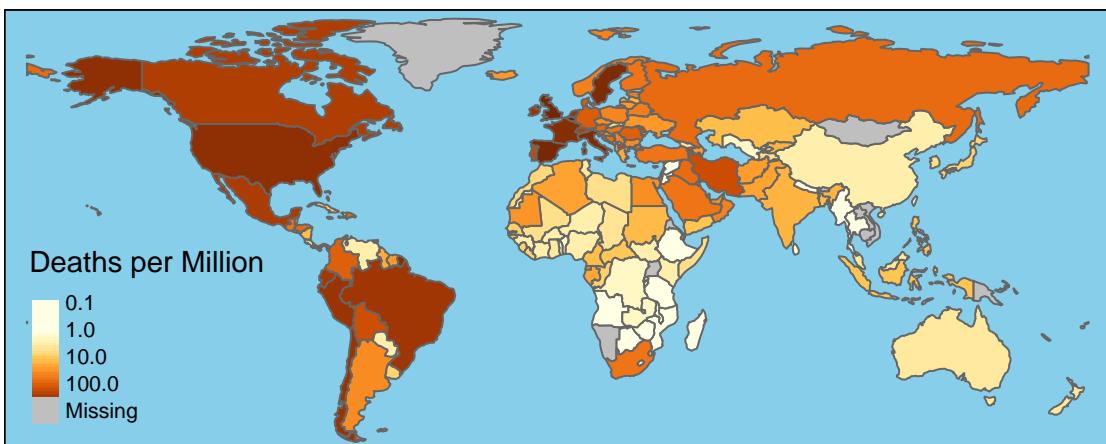


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,219,999	135,822	61,067	960
Brazil	1,759,103	69,254	42,907	1,199
India	794,842	21,623	25,790	479
Russia	707,301	10,843	6,509	176
Peru	316,448	11,314	3,537	181
Chile	306,216	6,682	3,133	109
Spain	300,136	28,401	543	5
UK	287,621	44,602	642	85
Mexico	275,003	32,796	6,995	782
Iran	250,458	12,305	2,079	221
Italy	242,363	34,926	214	12
Pakistan	240,848	4,983	3,359	61
South Africa	238,339	3,720	13,674	118
Saudi Arabia	223,327	2,100	3,183	41
Turkey	209,962	5,300	1,024	18
Germany	199,198	9,125	433	10
Bangladesh	175,494	2,238	3,360	41
France	170,094	29,979	621	14
Colombia	133,973	4,714	5,335	187
Canada	106,805	8,749	371	12



## National Data

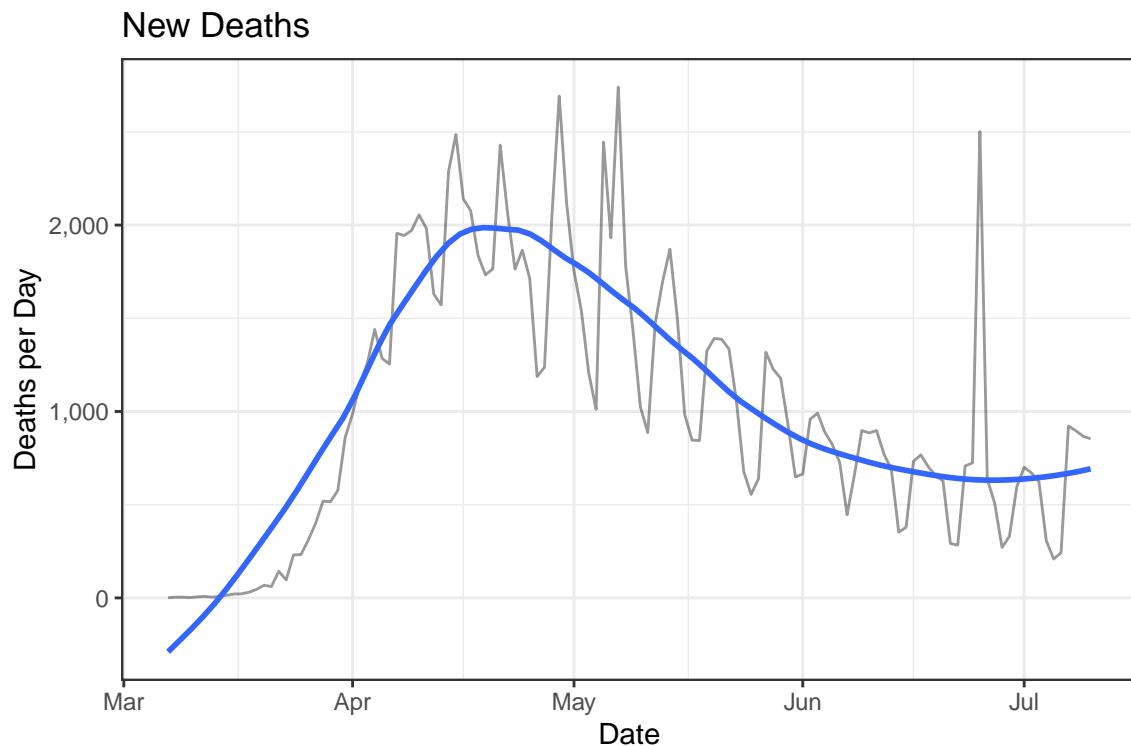
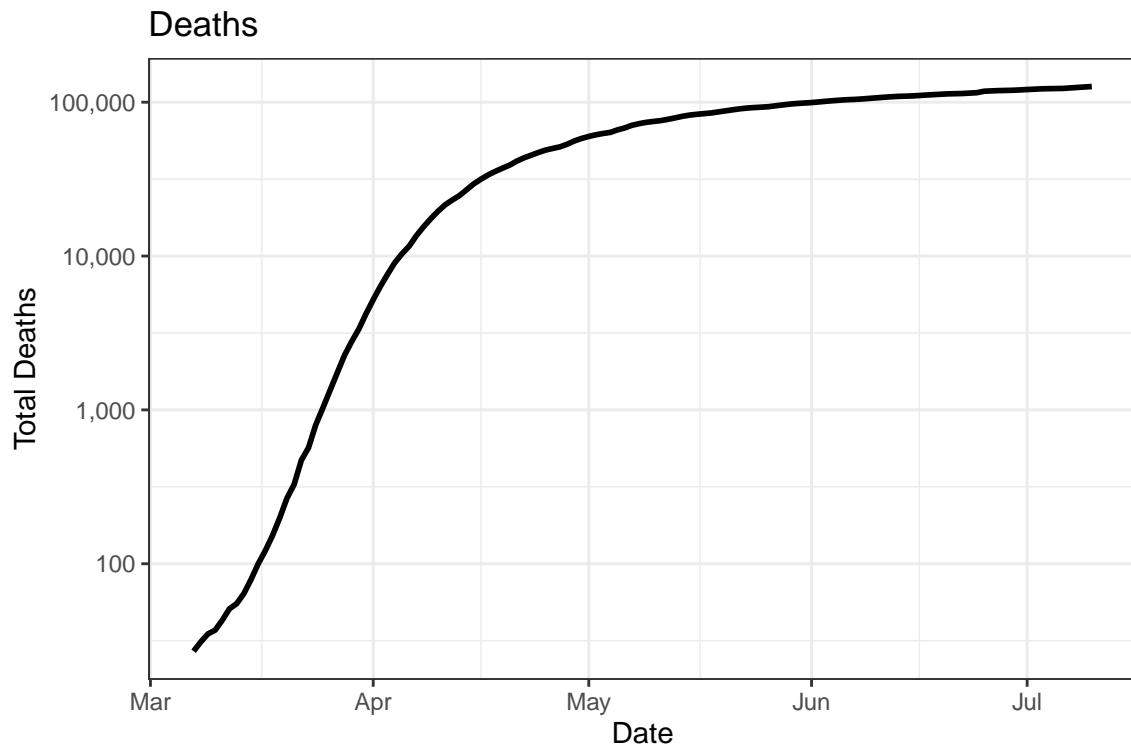
There have been 3,167,984 confirmed Covid-19 cases and 126,444 deaths in the United States.

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

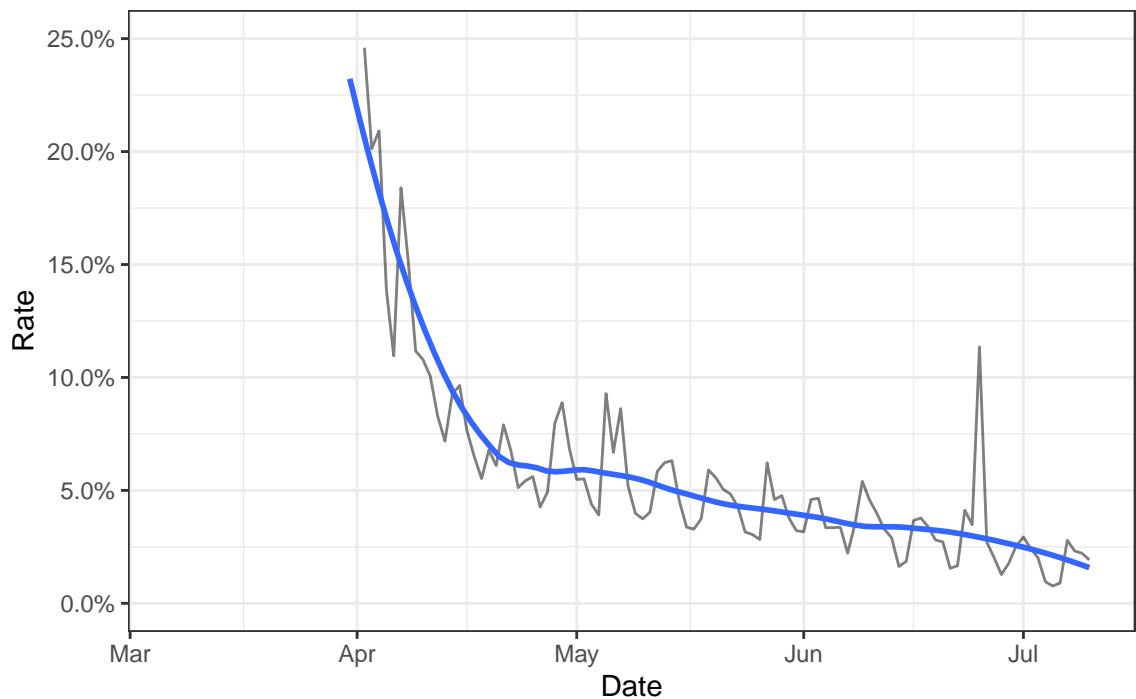
Date	Cases	Deaths	New Cases	New Deaths
2020-07-10	3,167,984	126,444	66,645	854
2020-07-09	3,101,339	125,590	58,836	867
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922
2020-07-06	2,928,590	122,904	47,430	242
2020-07-05	2,881,160	122,662	42,602	209
2020-07-04	2,838,558	122,453	52,433	306
2020-07-03	2,786,125	122,147	57,534	624
2020-07-02	2,728,591	121,523	53,655	670
2020-07-01	2,674,936	120,853	53,007	701
2020-06-30	2,621,929	120,152	44,349	596
2020-06-29	2,577,580	119,556	36,423	330
2020-06-28	2,541,157	119,226	42,183	271
2020-06-27	2,498,974	118,955	43,507	509

## Deaths

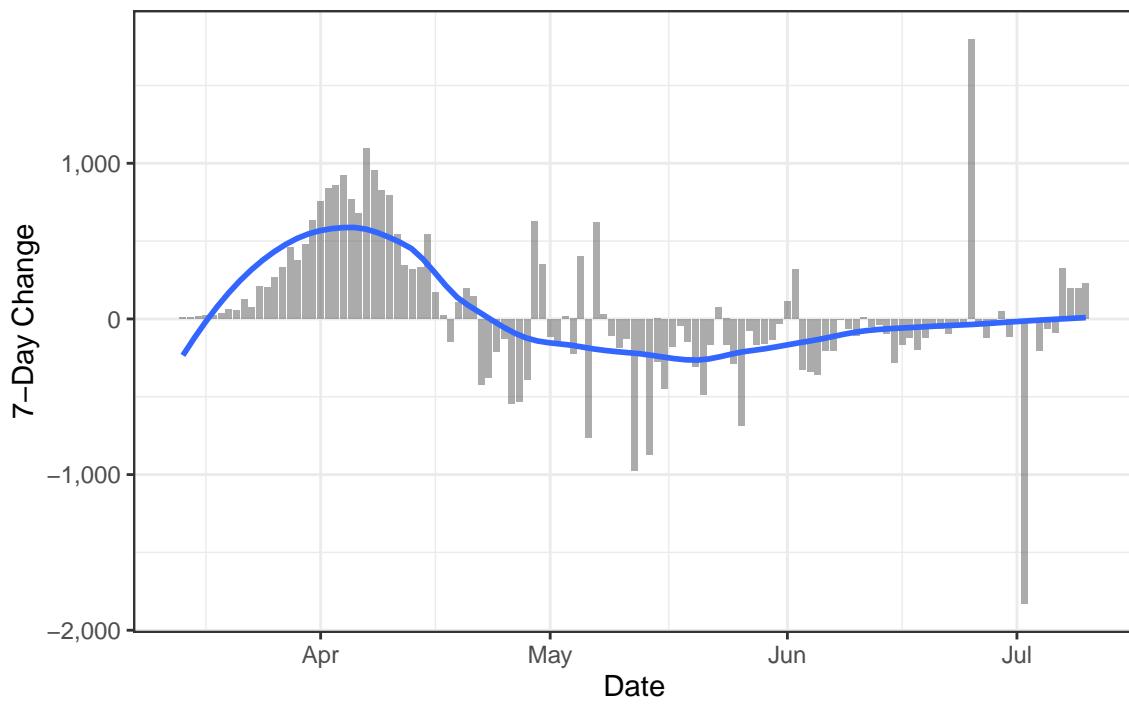
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

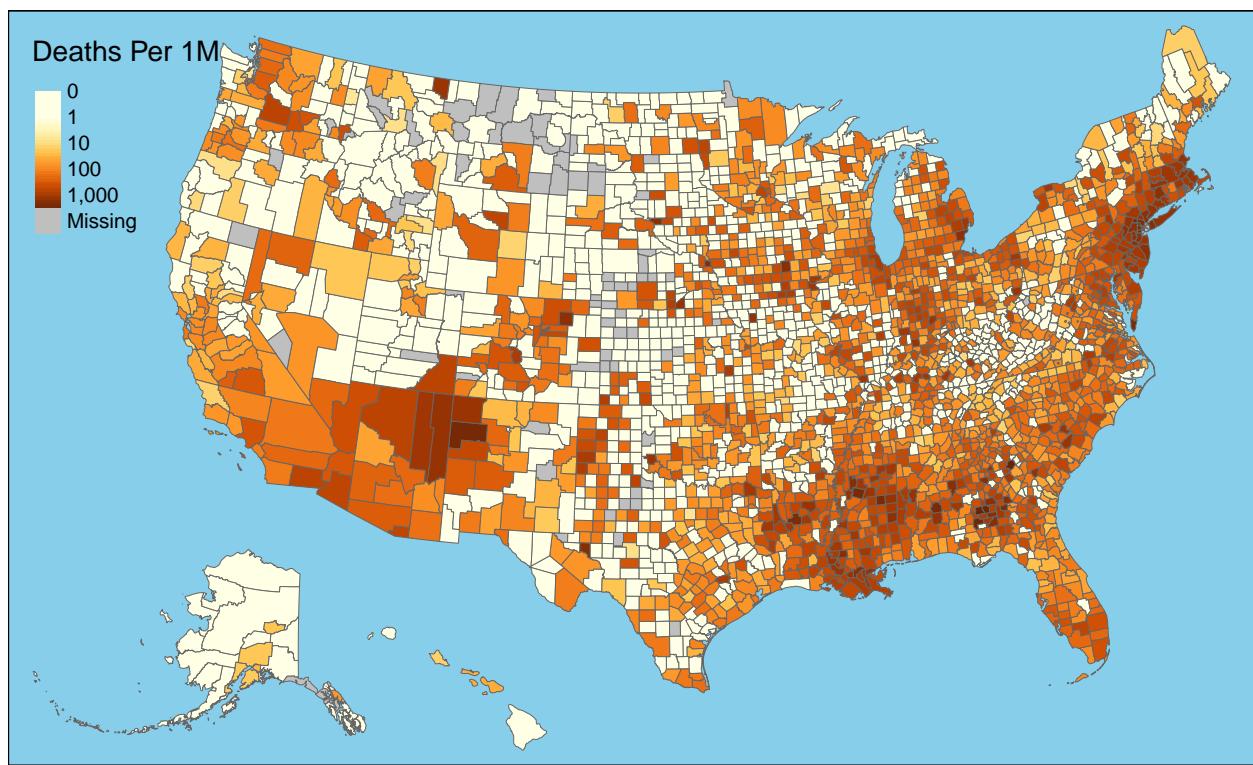


Daily Case Mortality Rate



One-Week Change in Daily Deaths

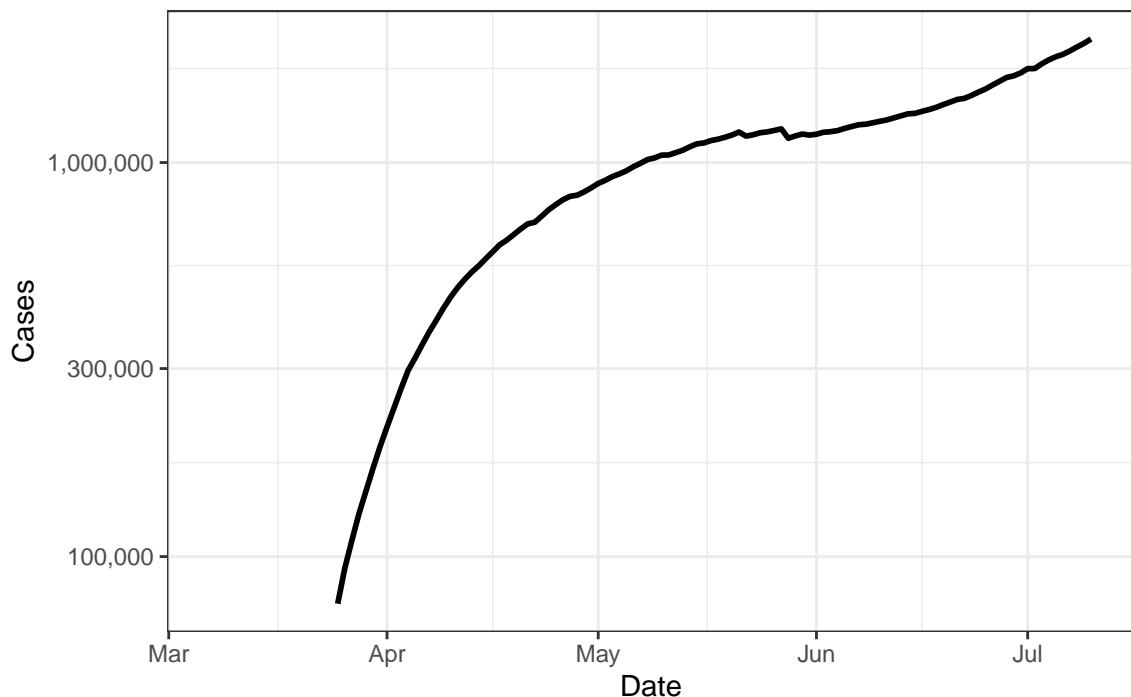




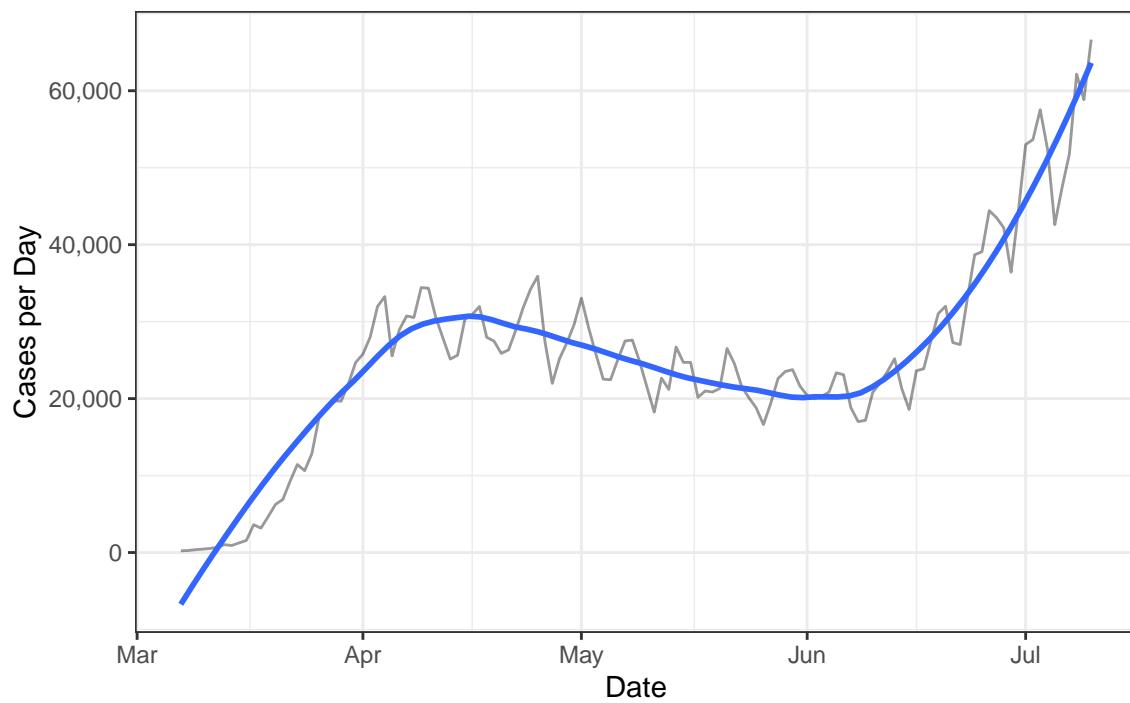
## Cases

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

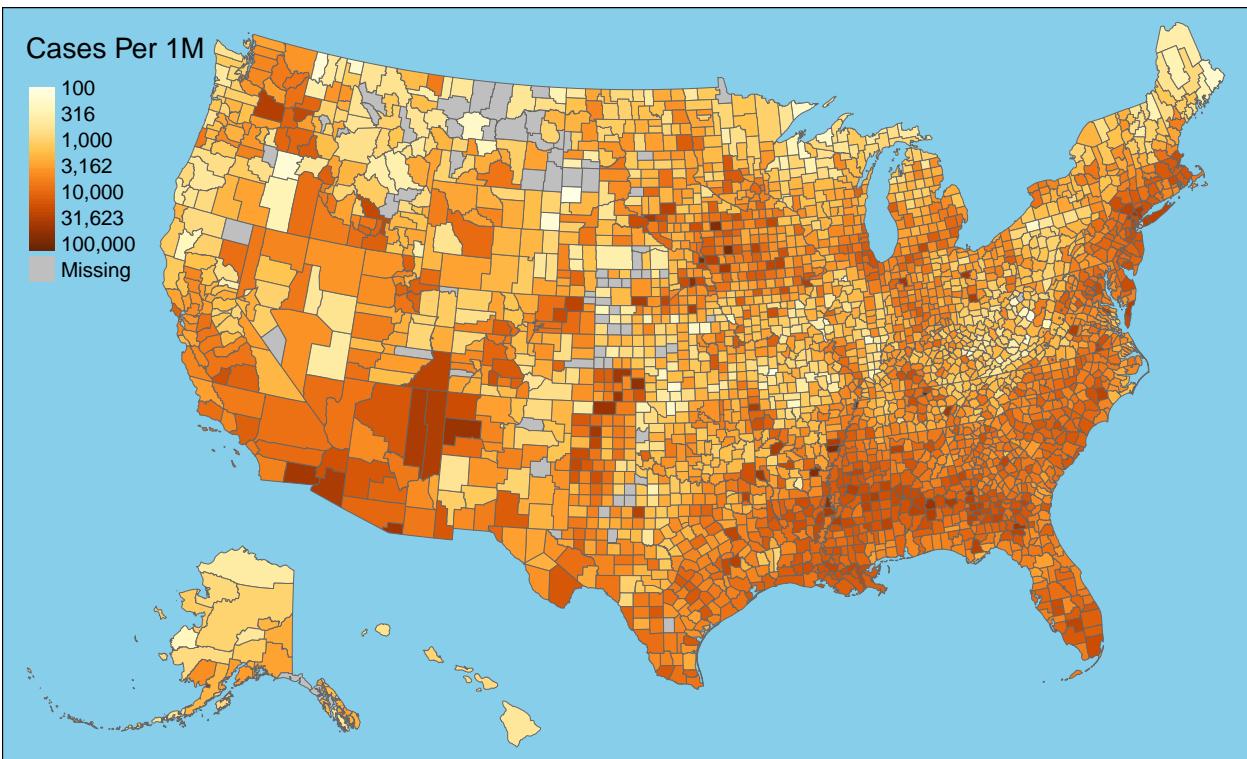
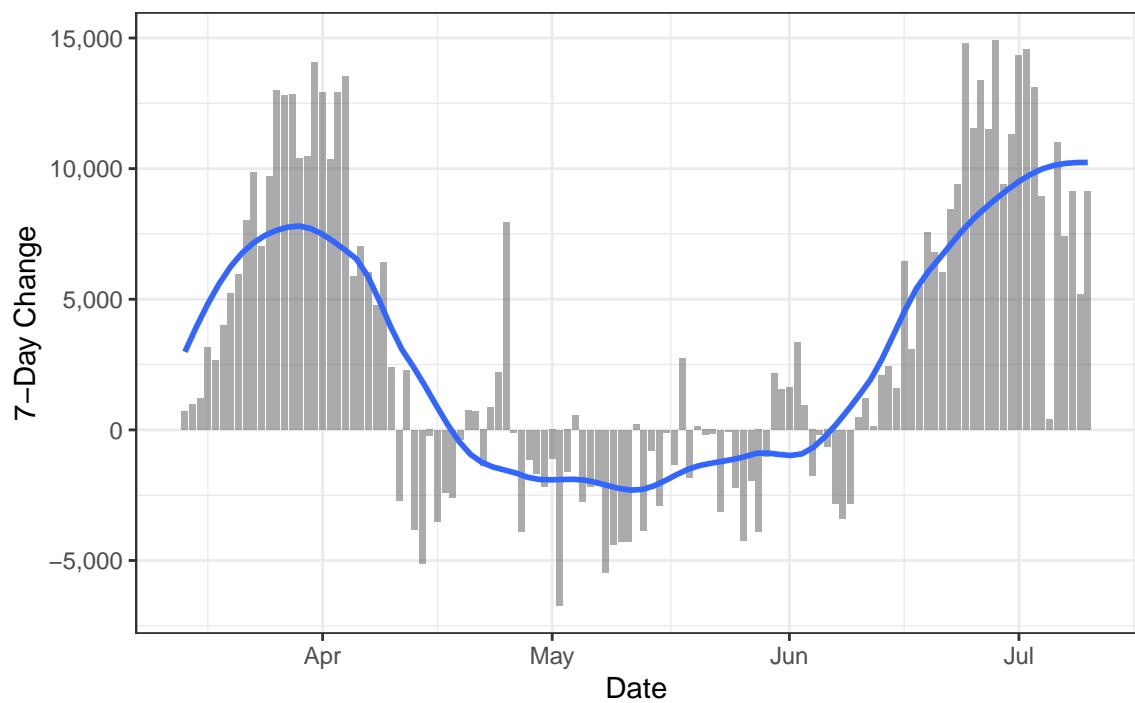
### Active Cases



### New Cases

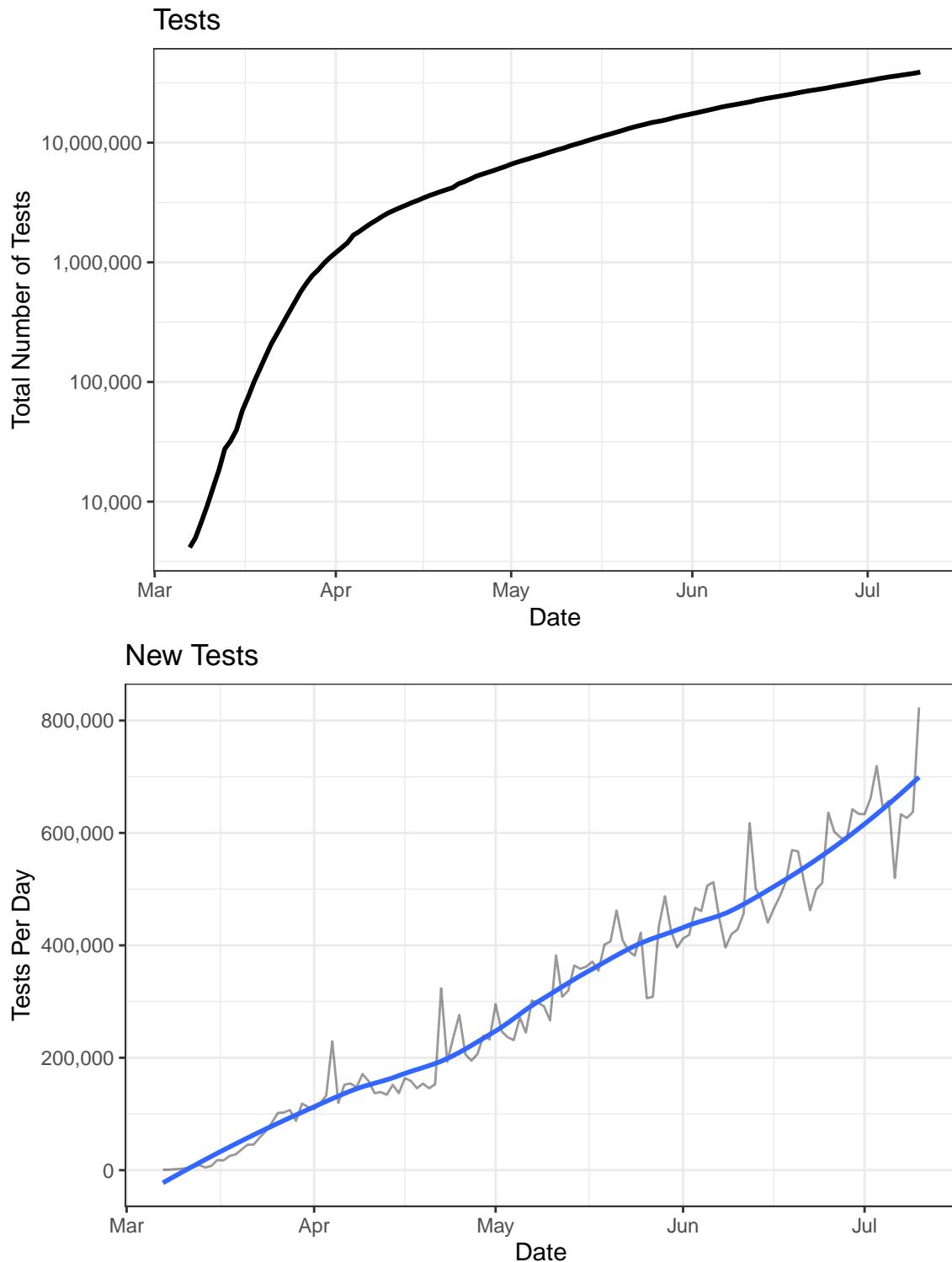


## One-Week Change in Daily Cases

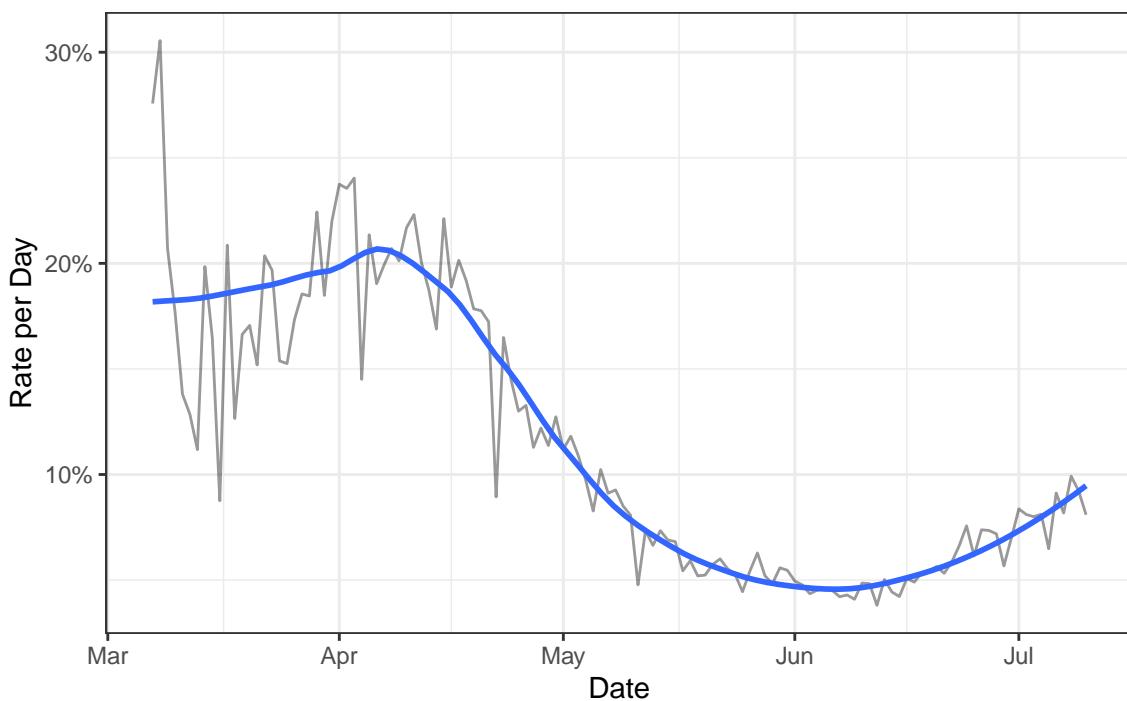


## Testing

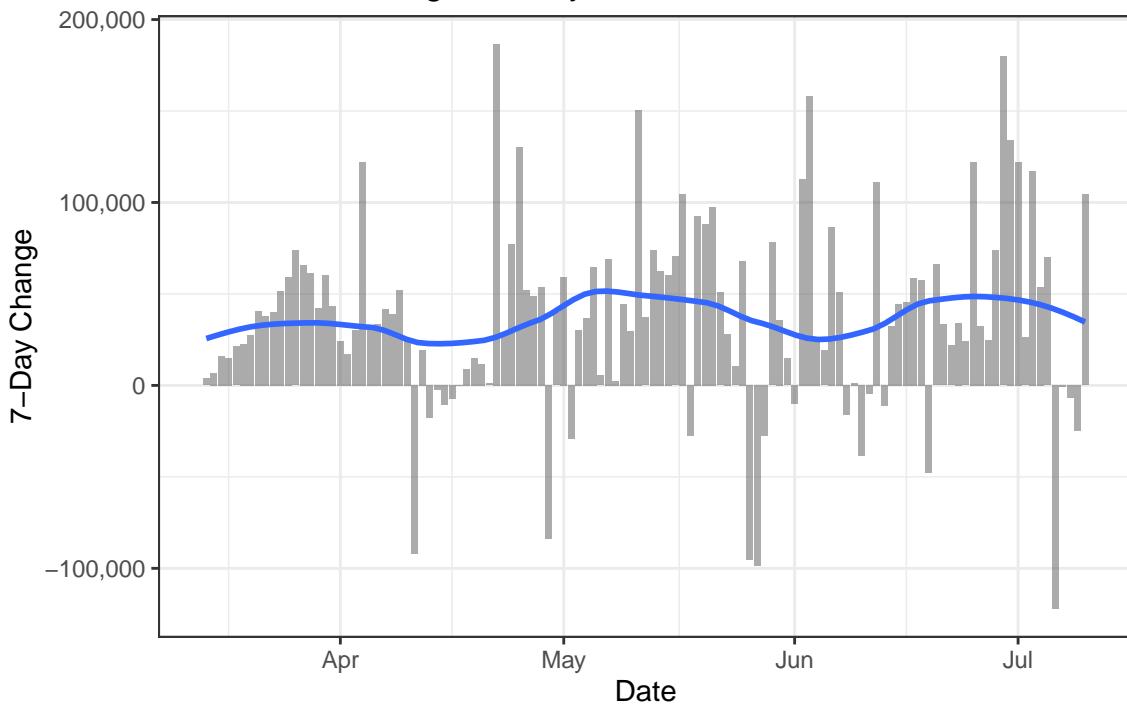
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



### Positive Test Rate



### One-Week Change in Daily Tests

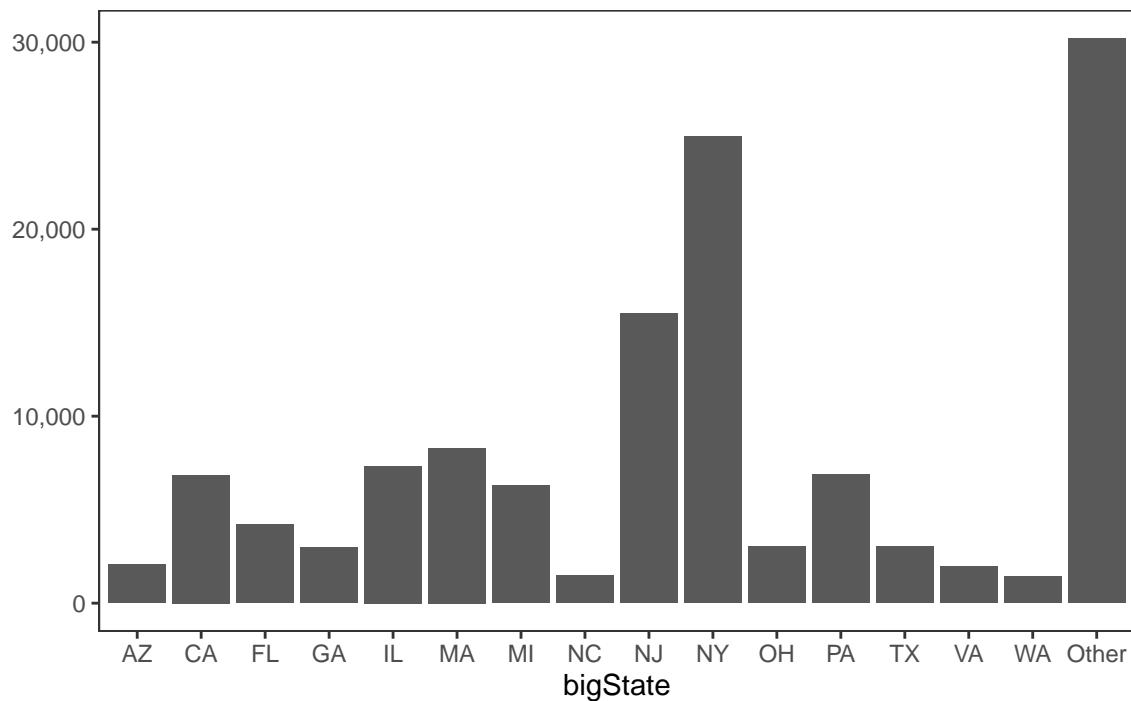


## State Data

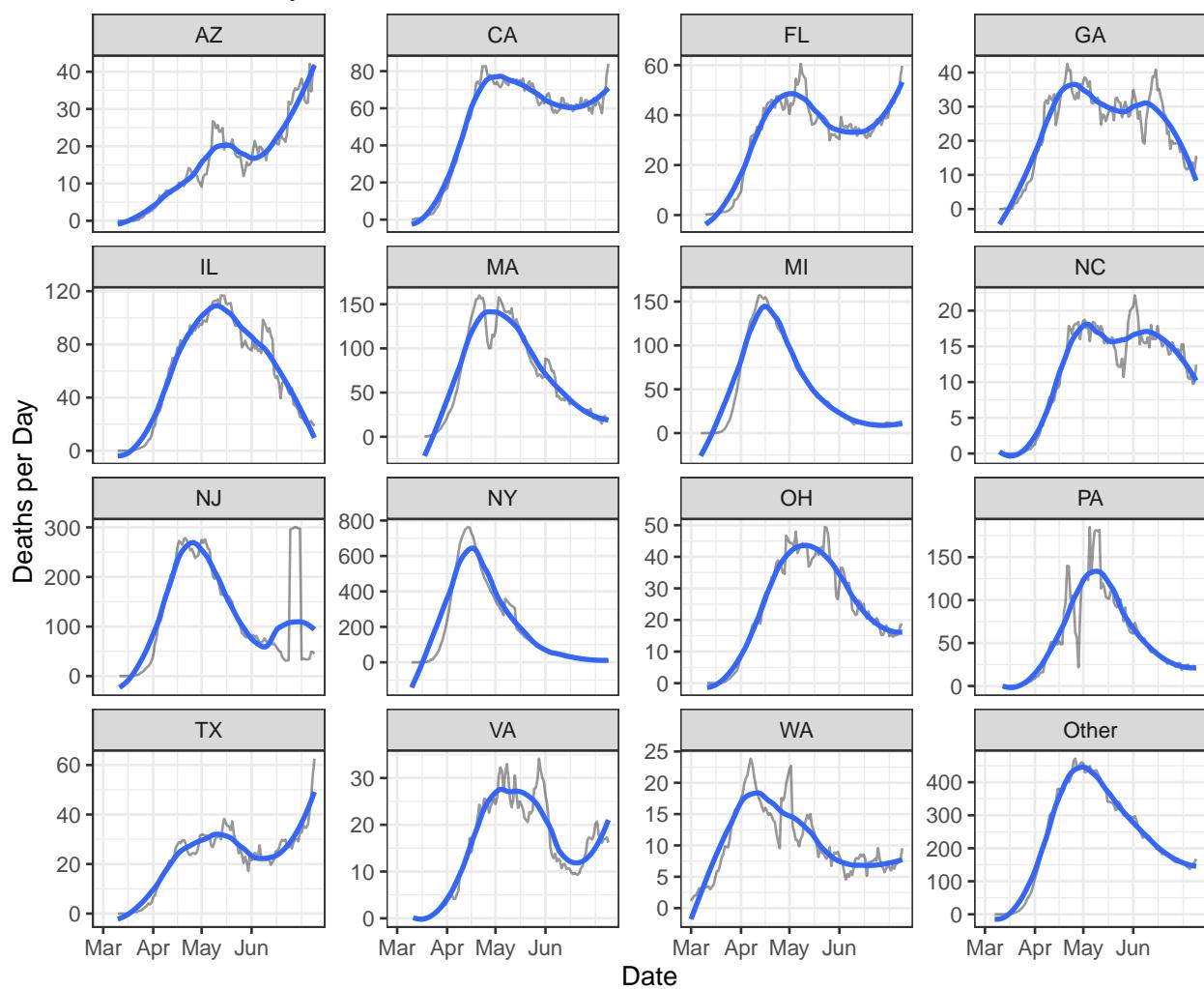
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

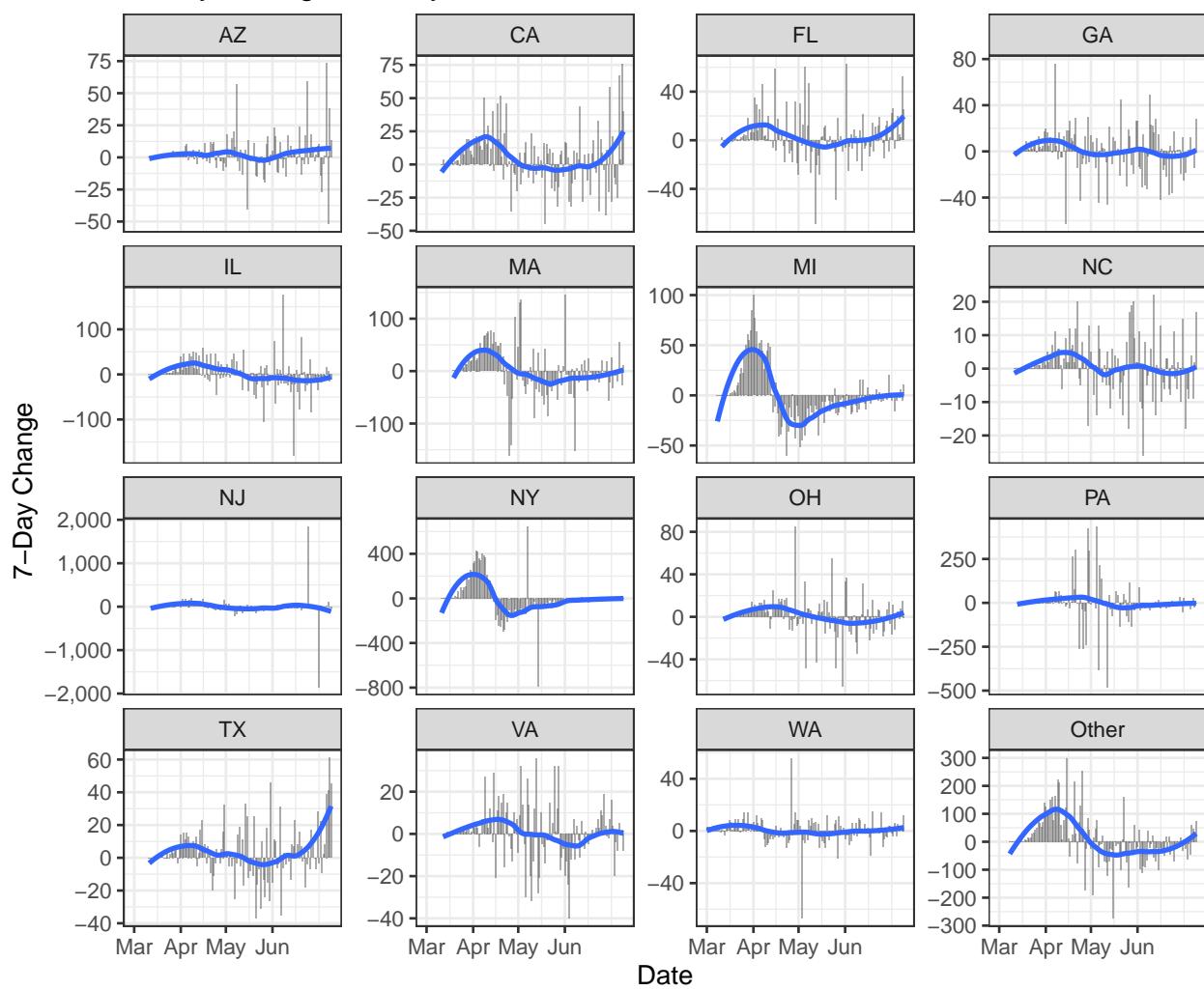
Deaths by State

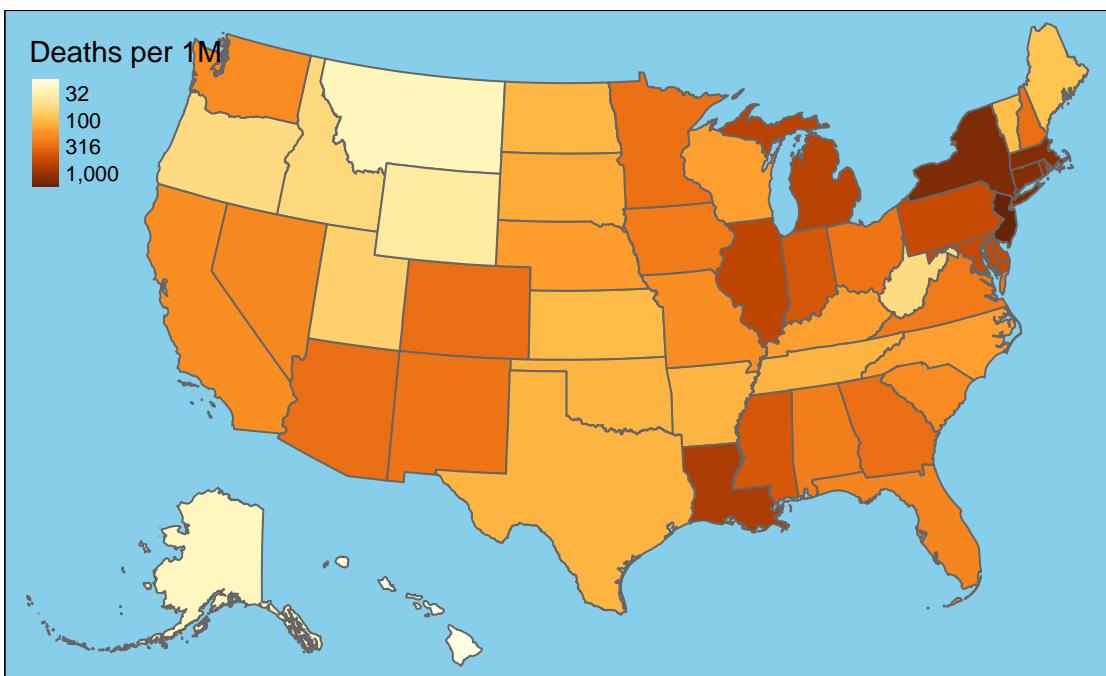
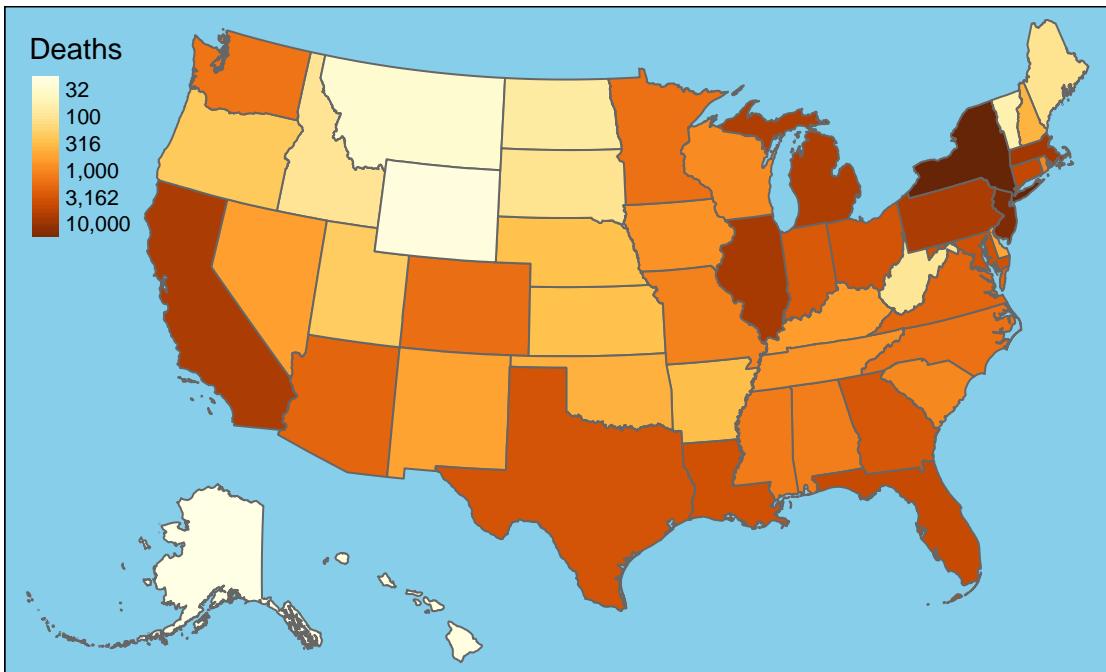


## New Deaths by State



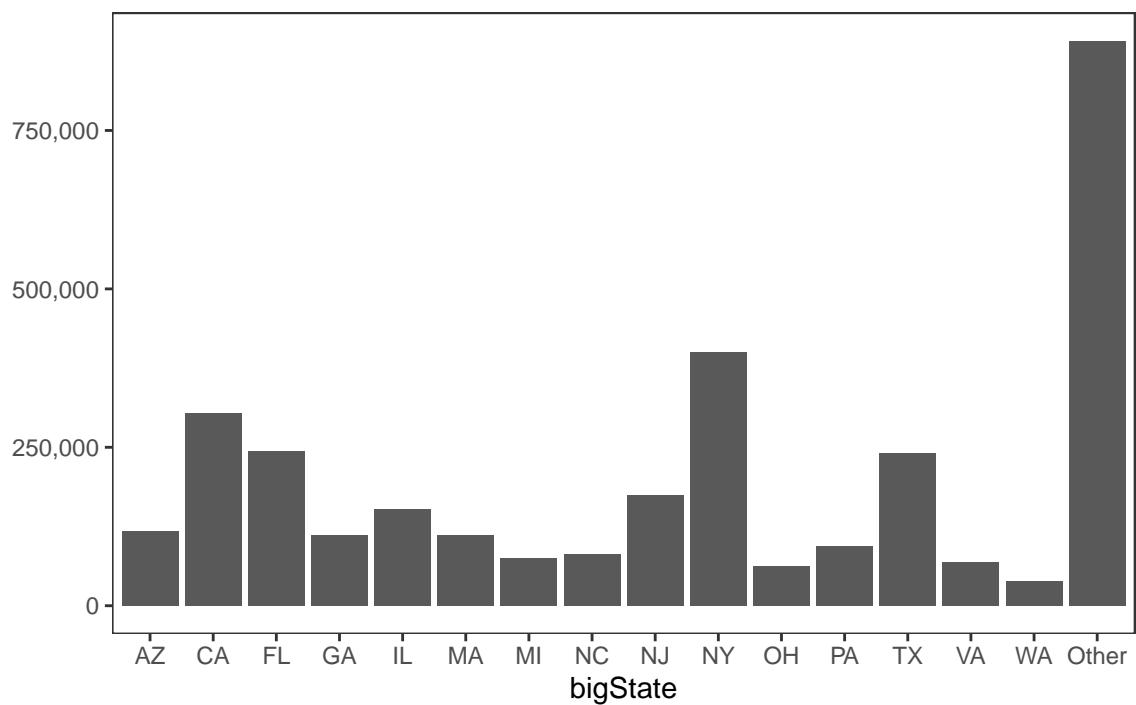
### 7-Day Change in Daily Deaths



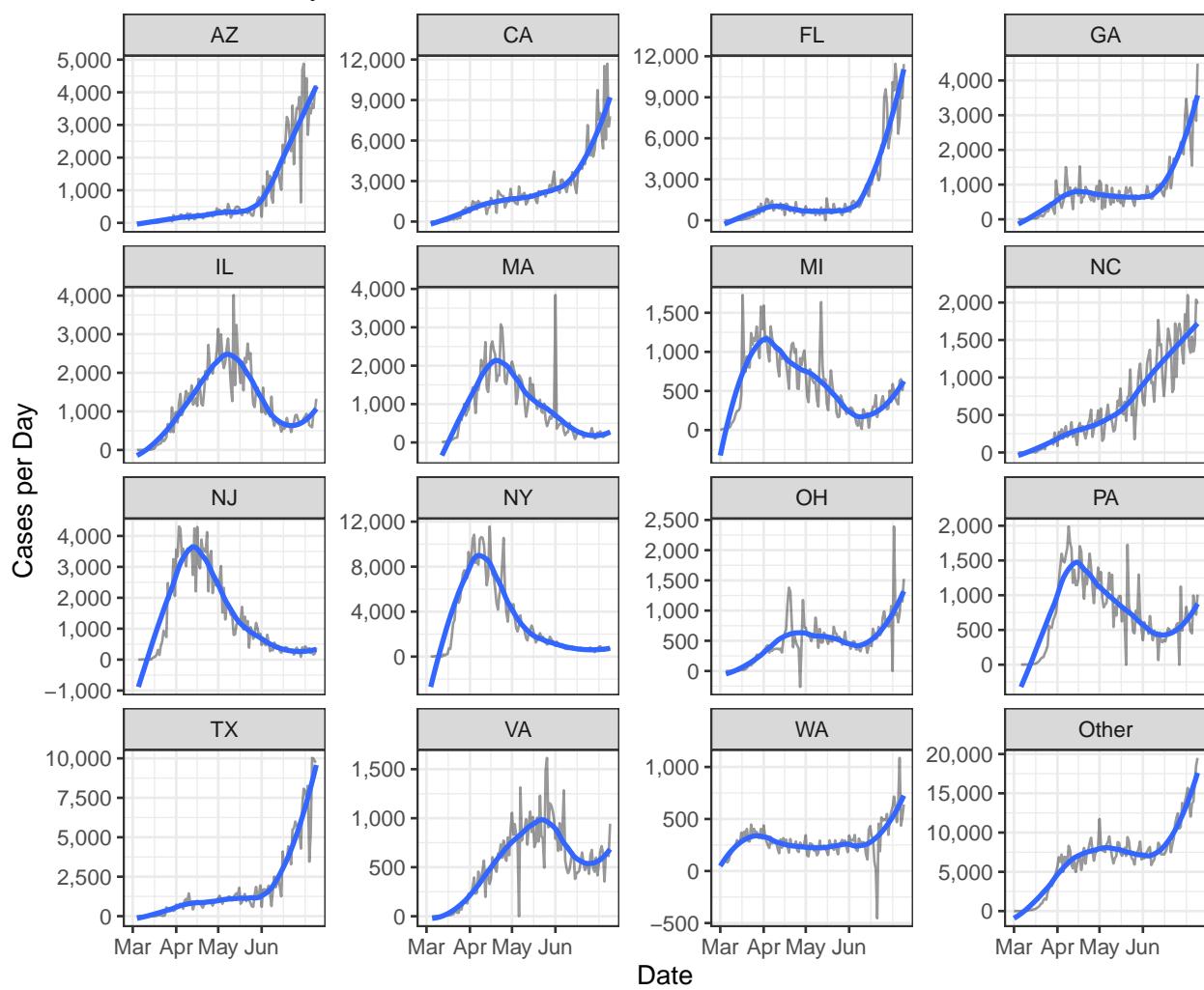


Cases

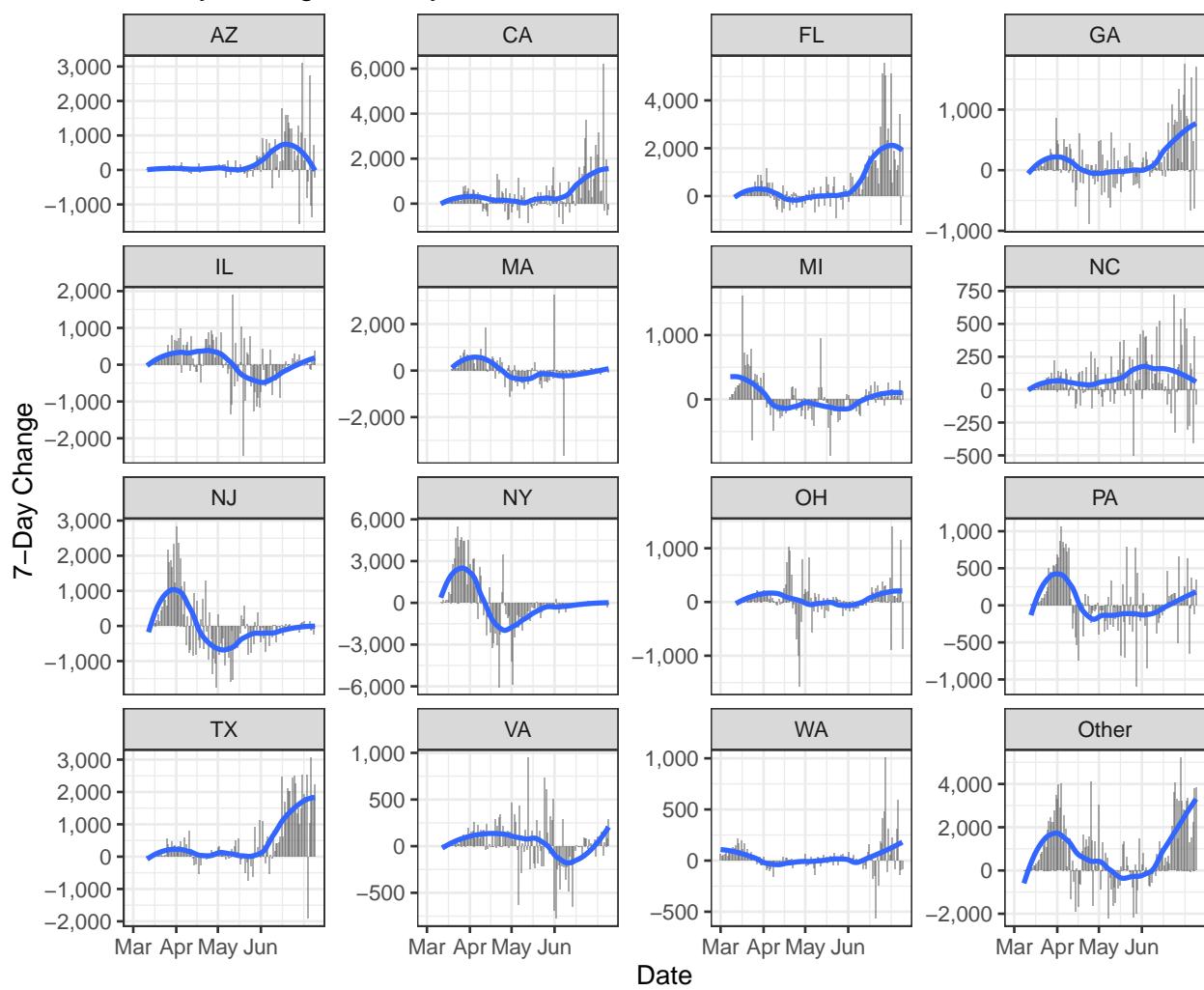
Cases by State

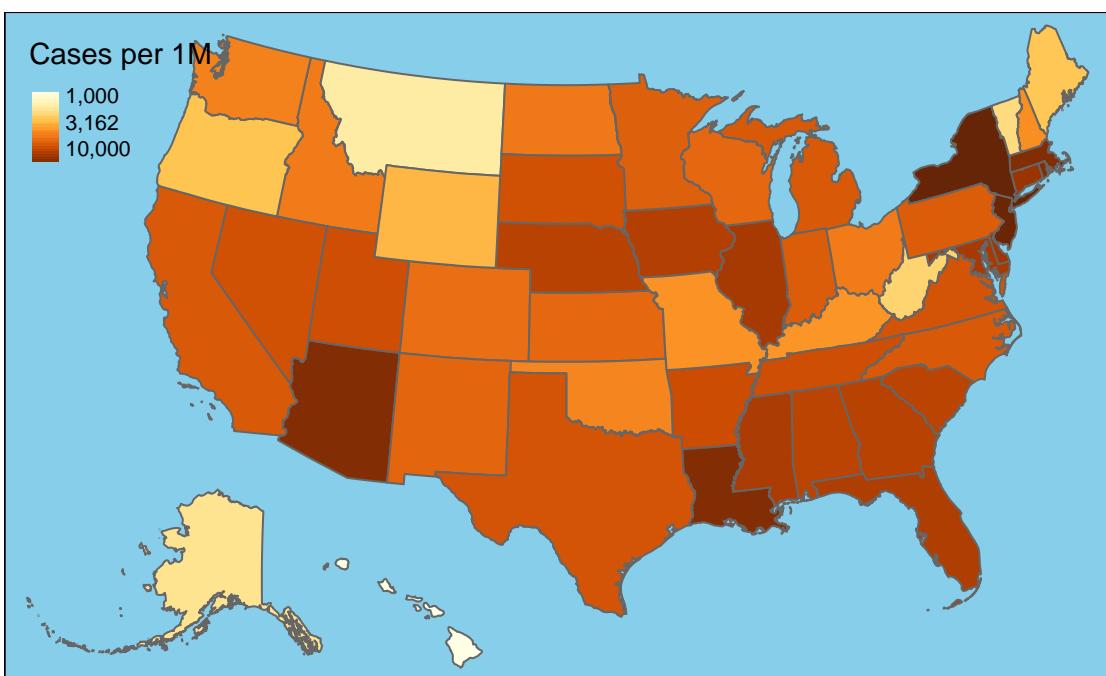
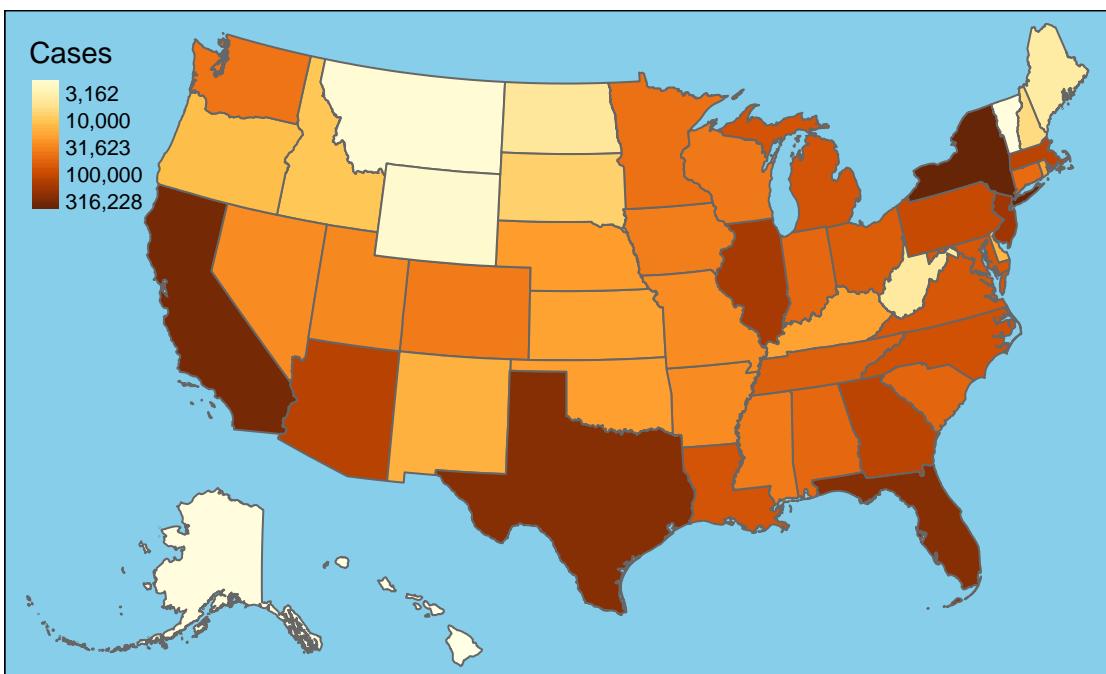


## New Cases by State

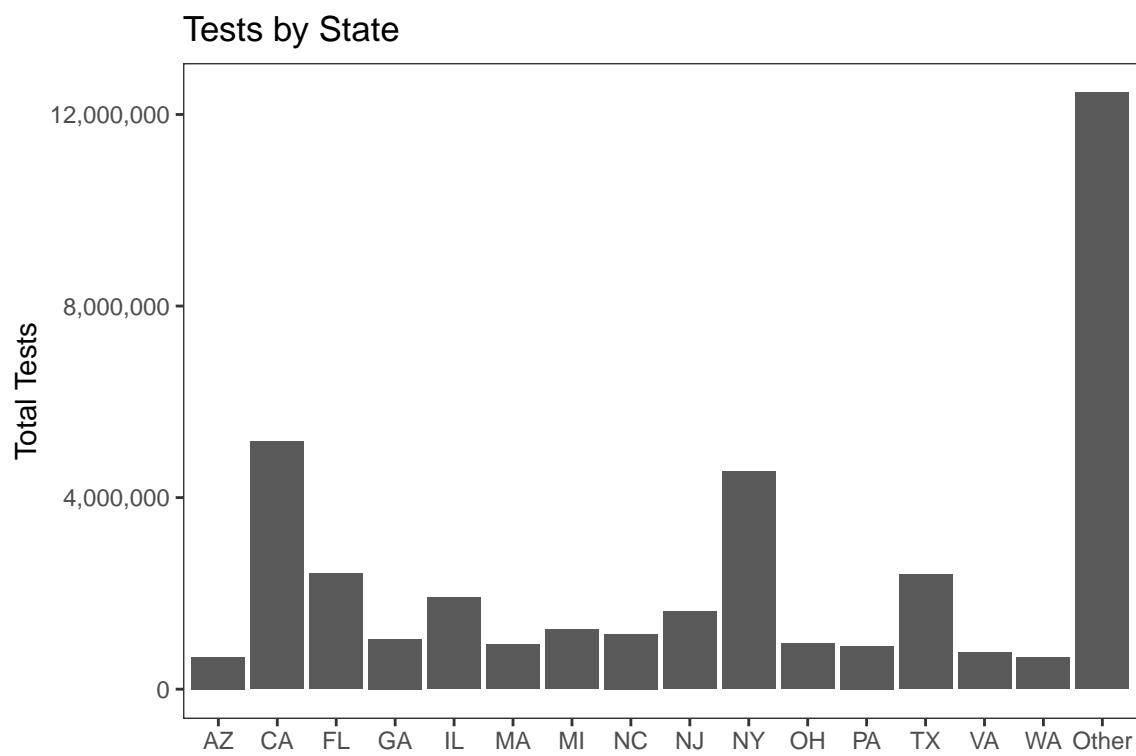


### 7-Day Change in Daily Cases

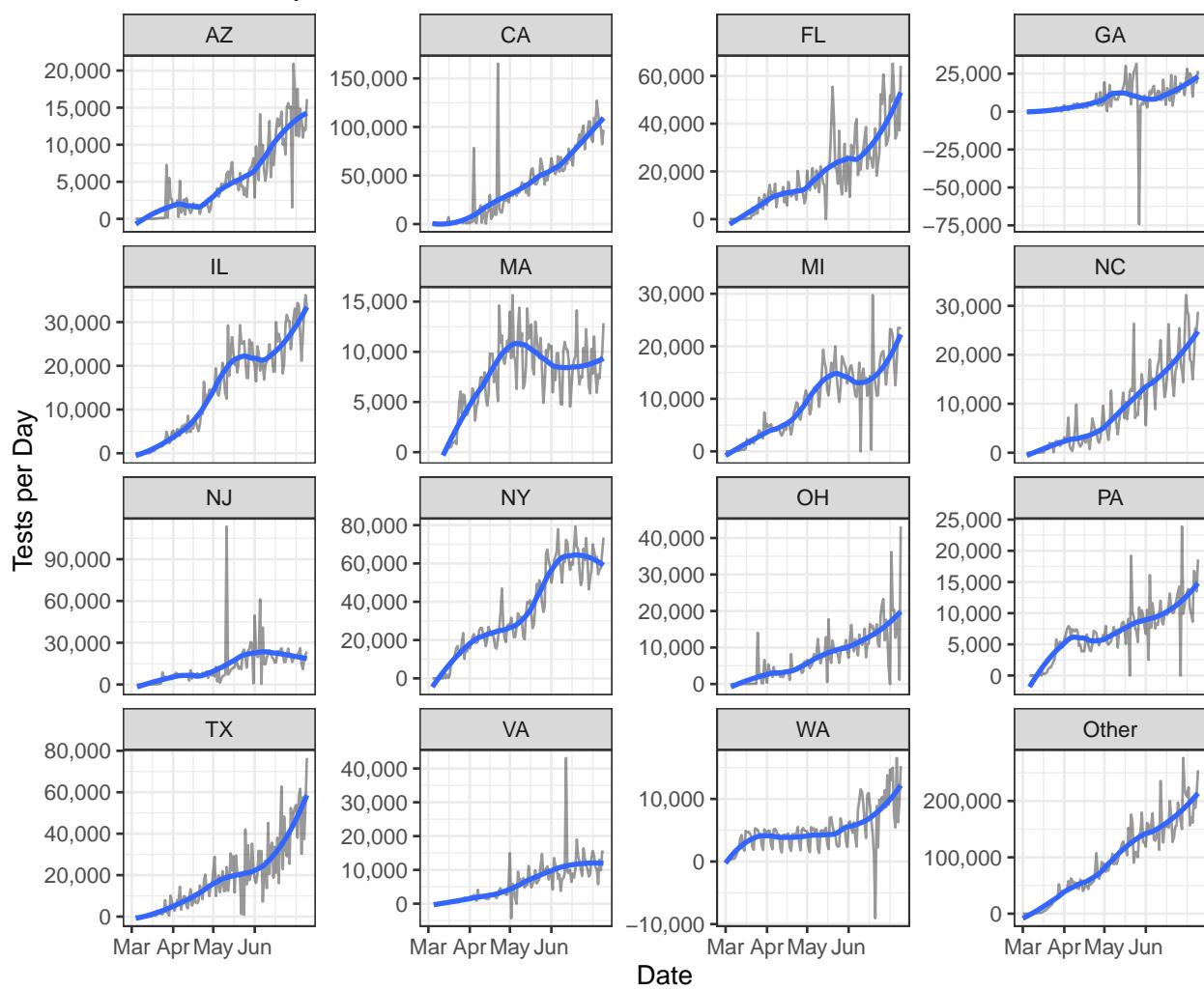


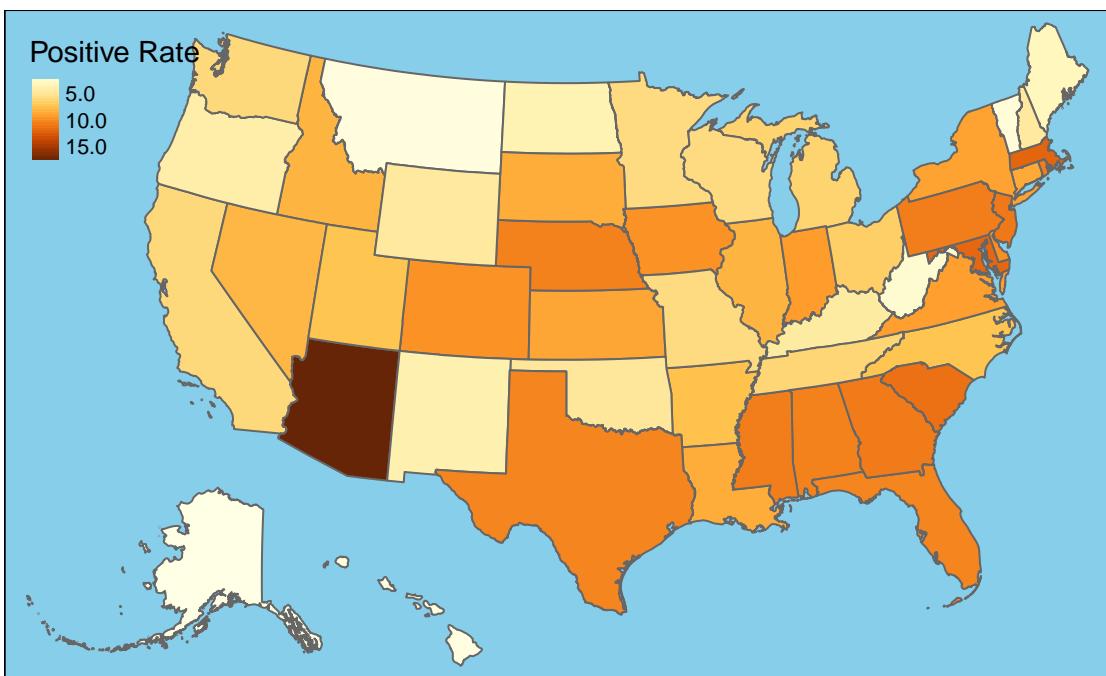
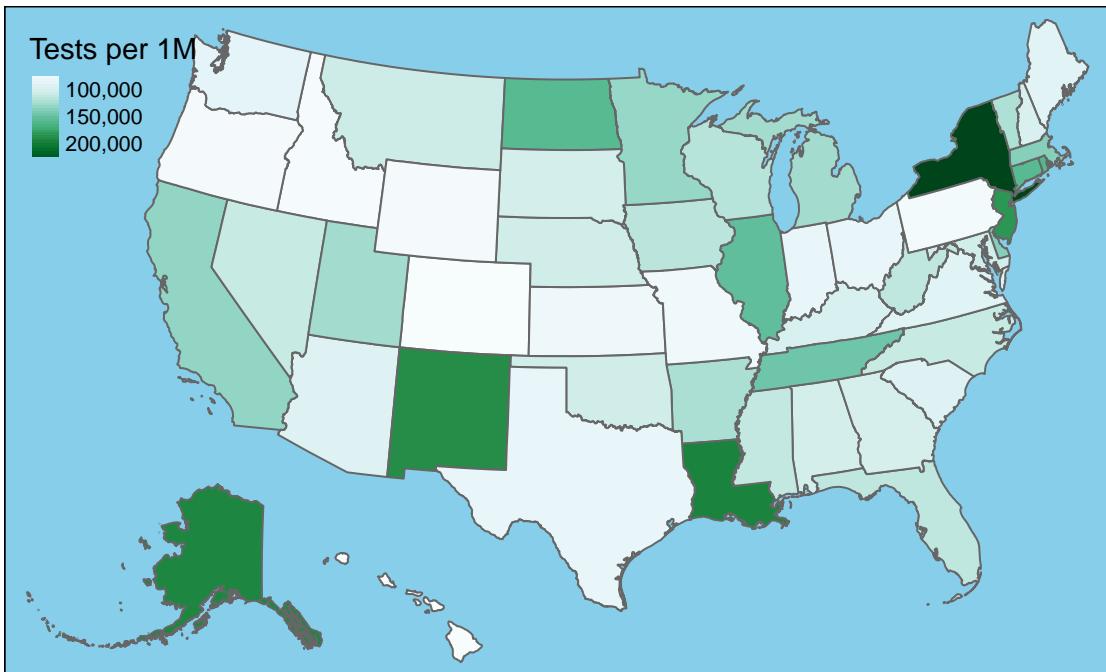


## Testing



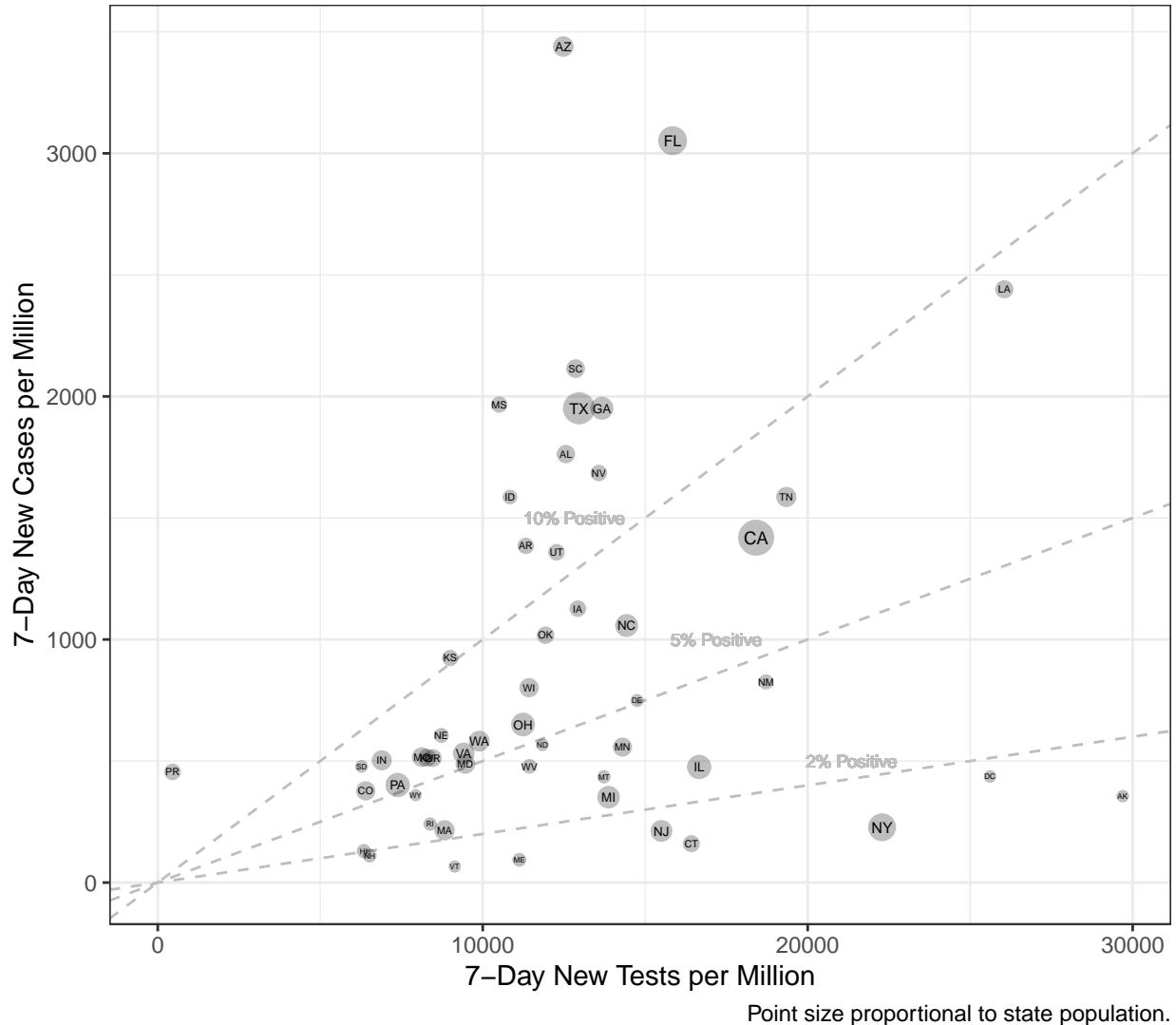
## New Tests by State





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



Point size proportional to state population.

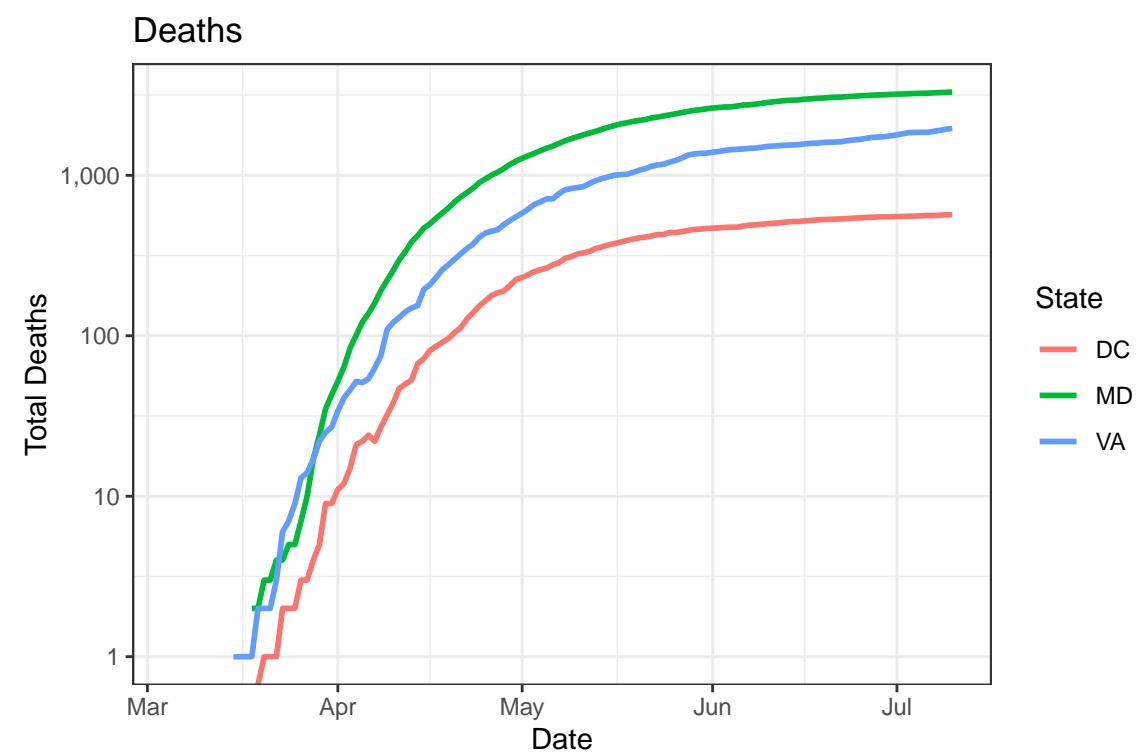
## Local Data

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

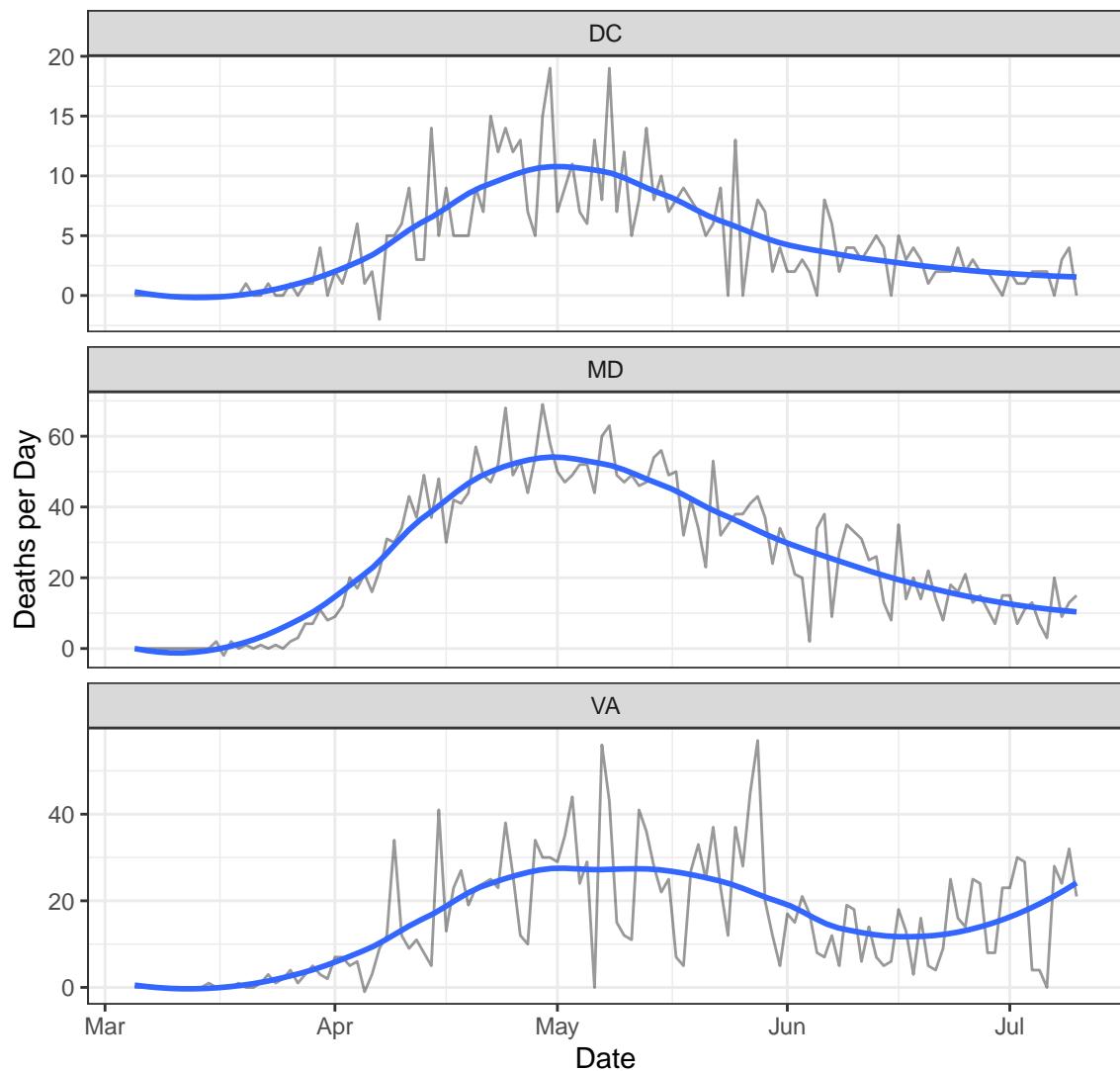
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,743	568	64	0
MD	71,910	3,303	463	15
VA	68,931	1,958	943	21

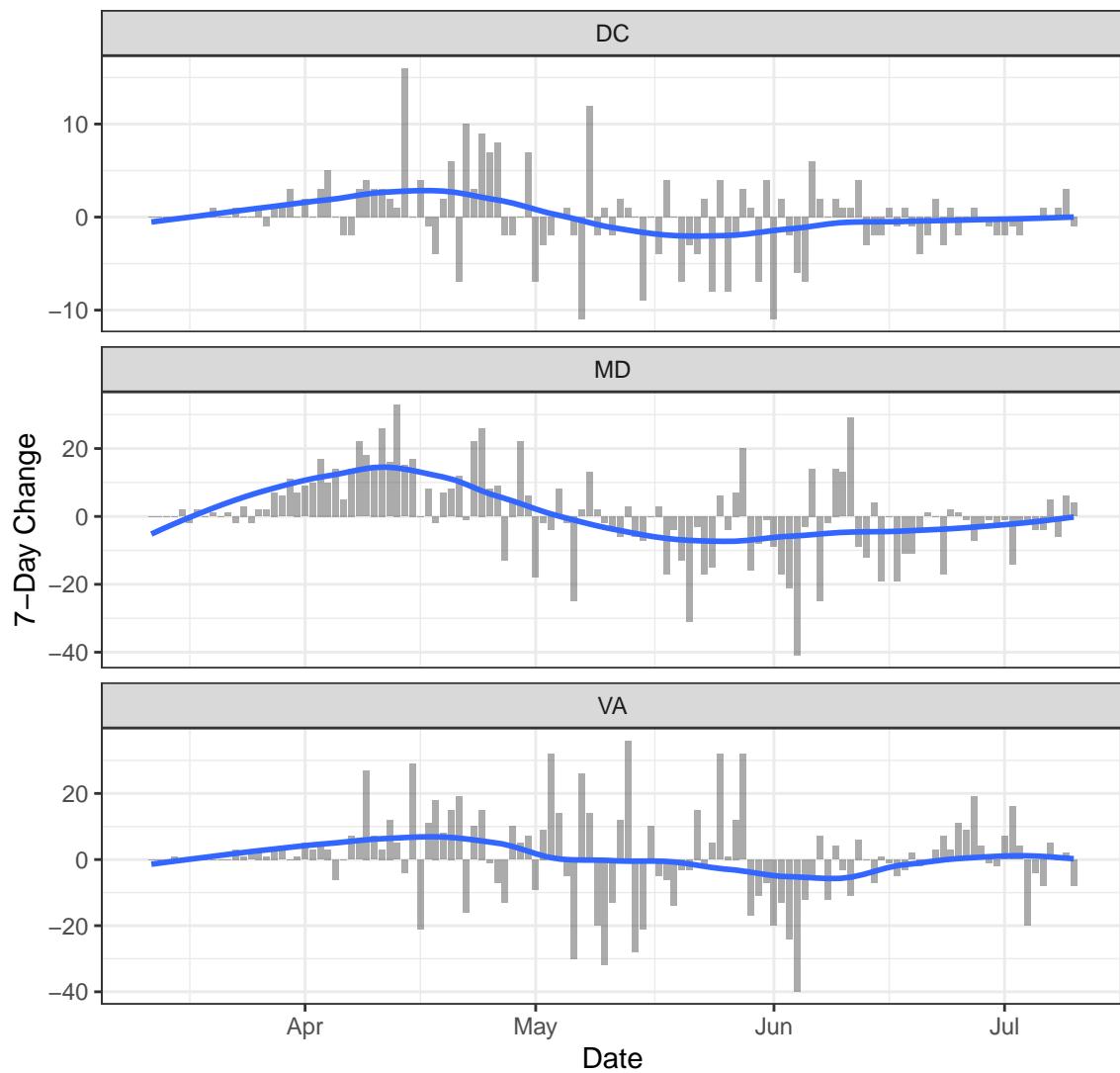
## Deaths

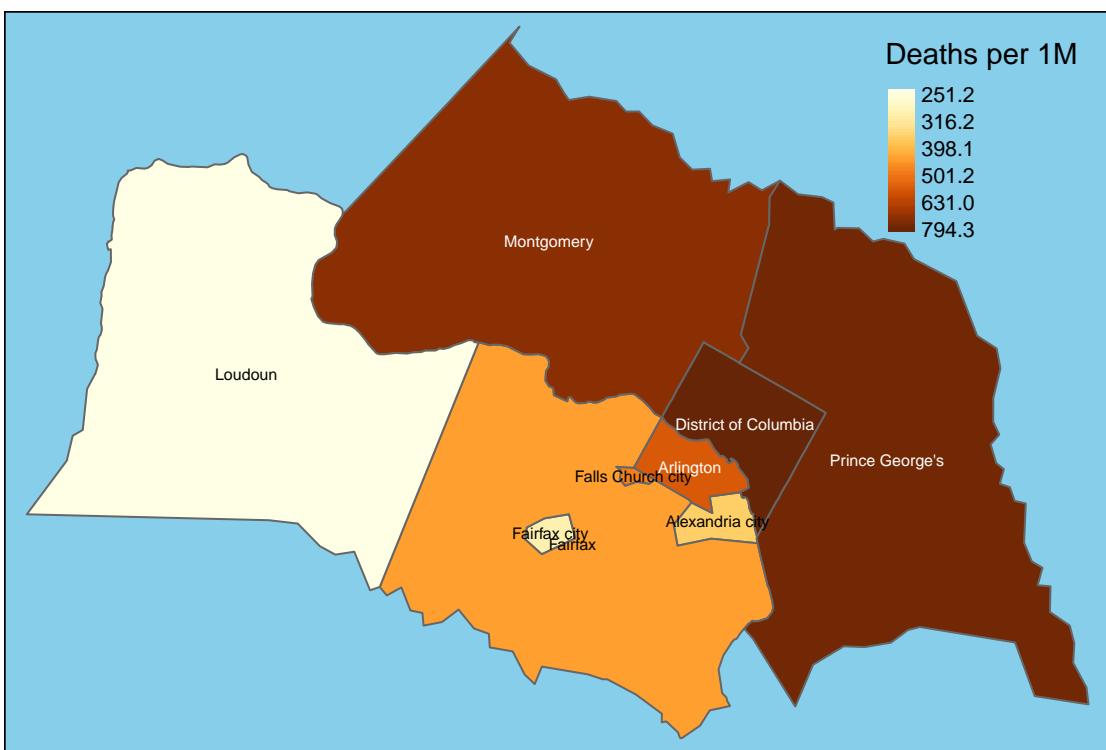
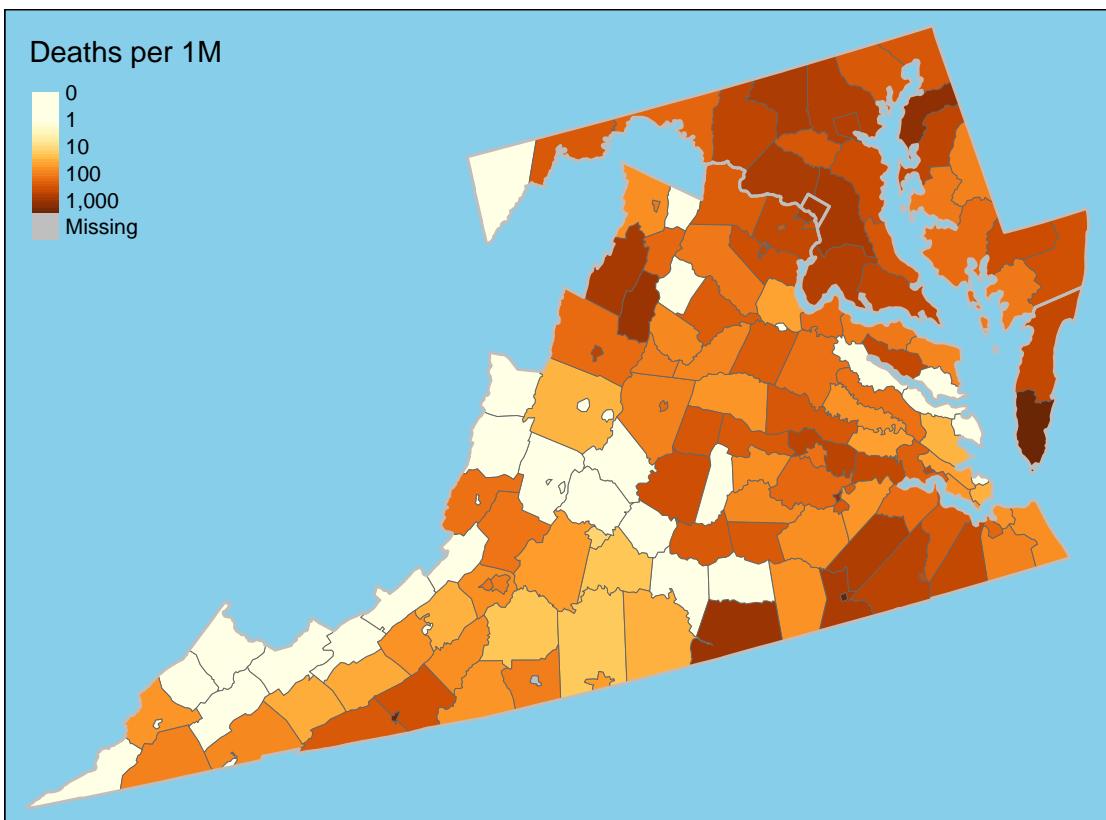


## New Deaths

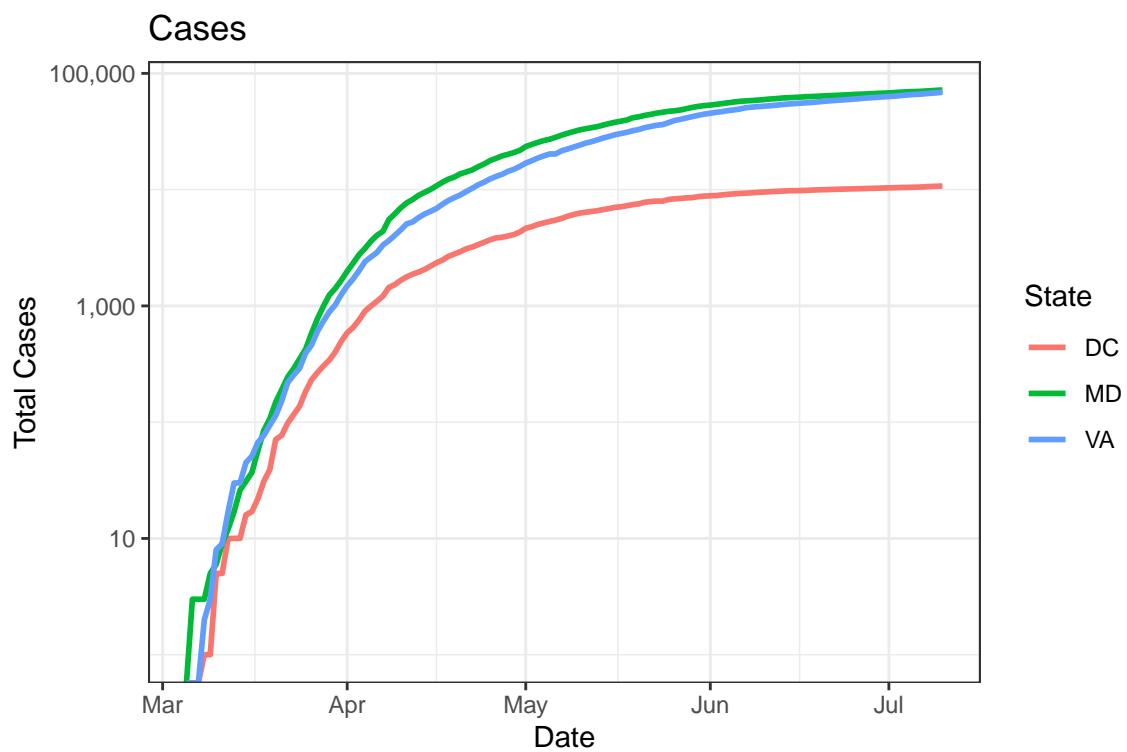


## One-Week Change in Daily Deaths

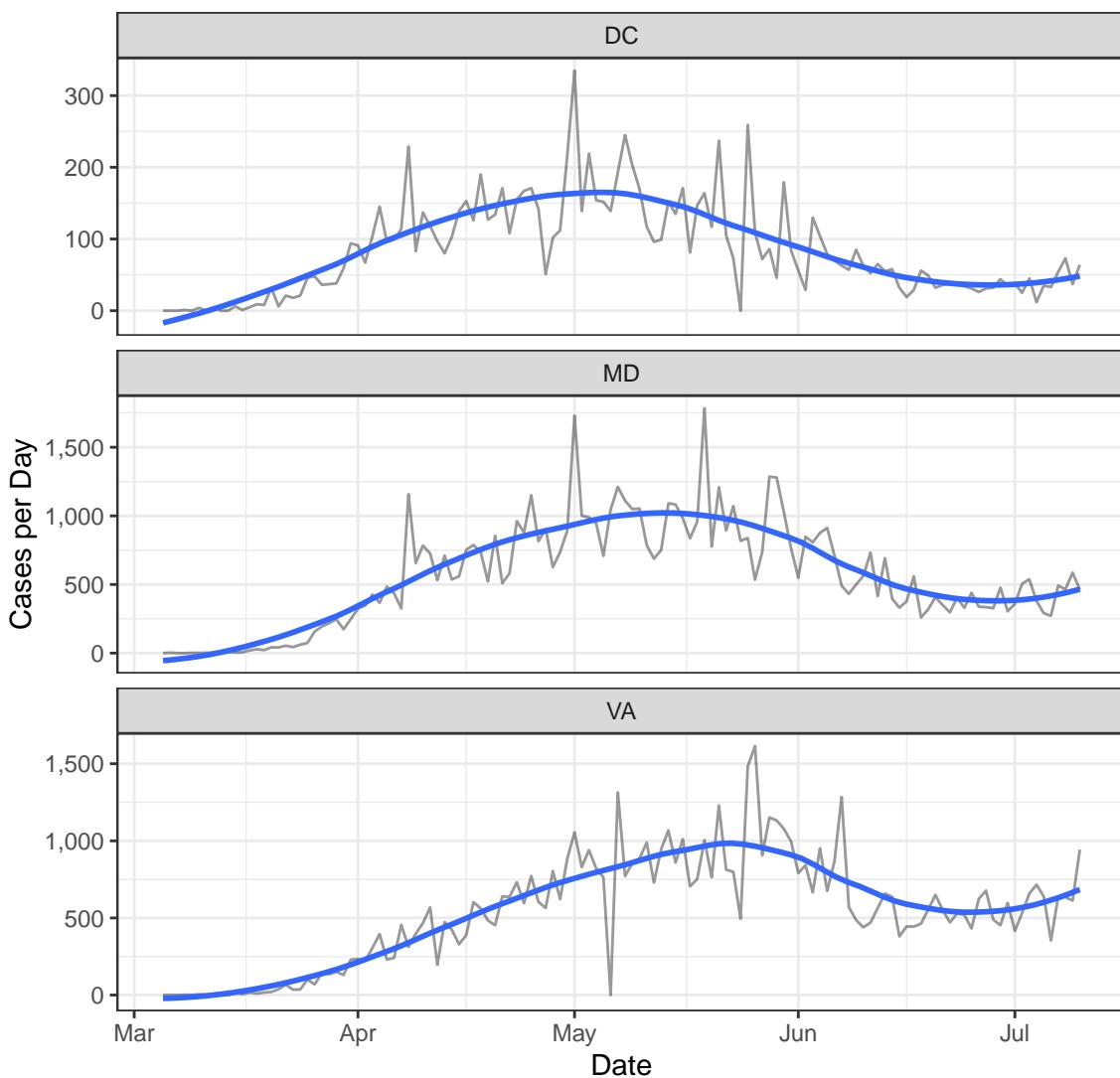




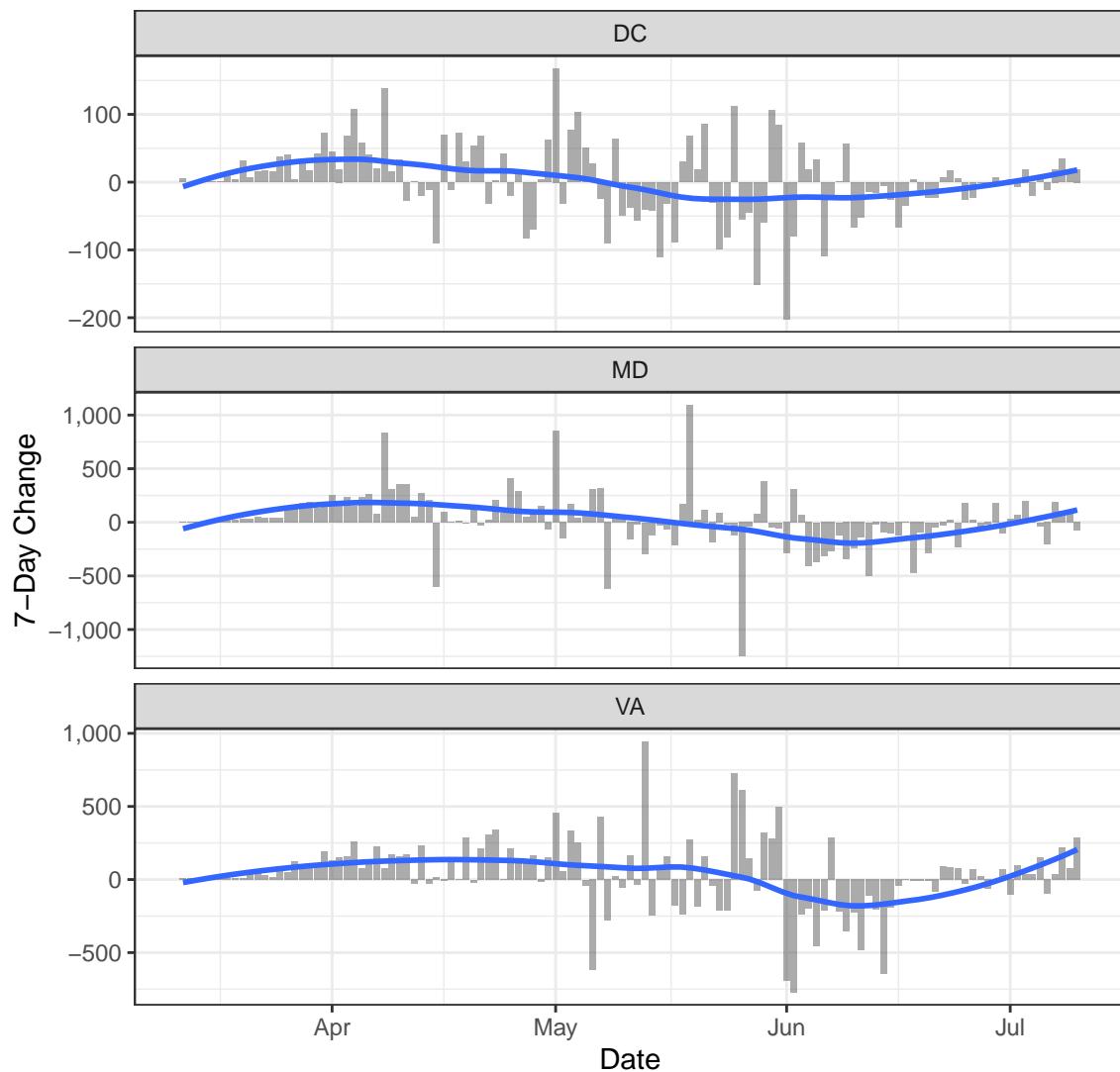
## Cases

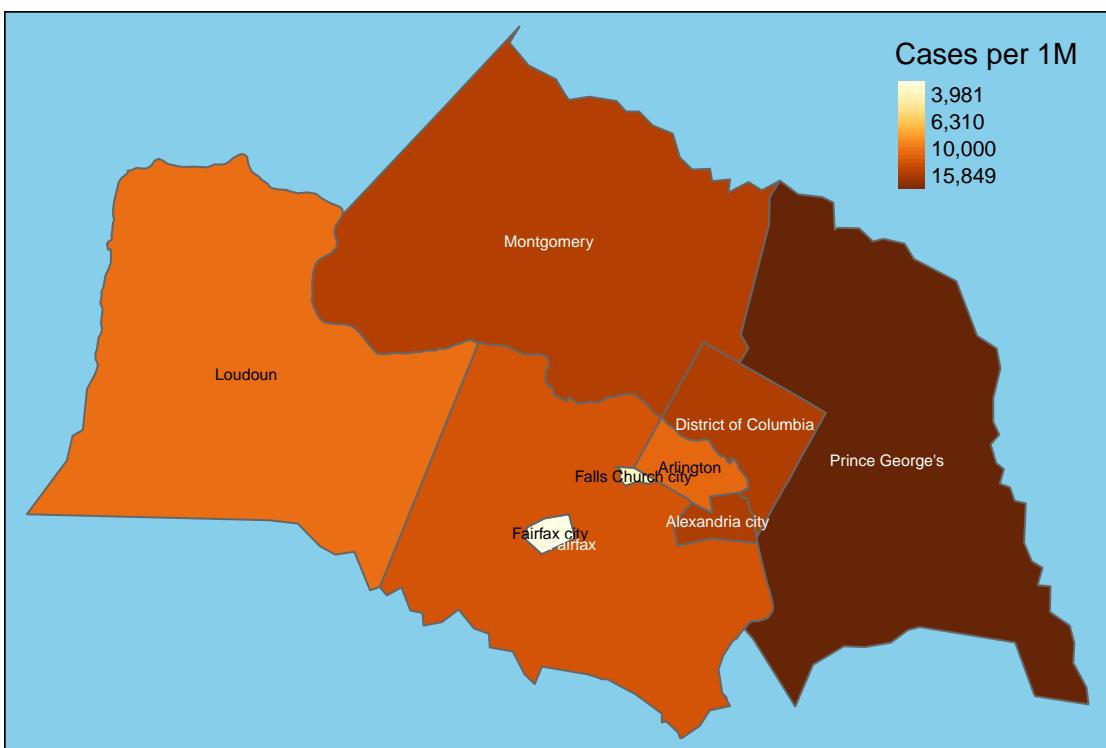
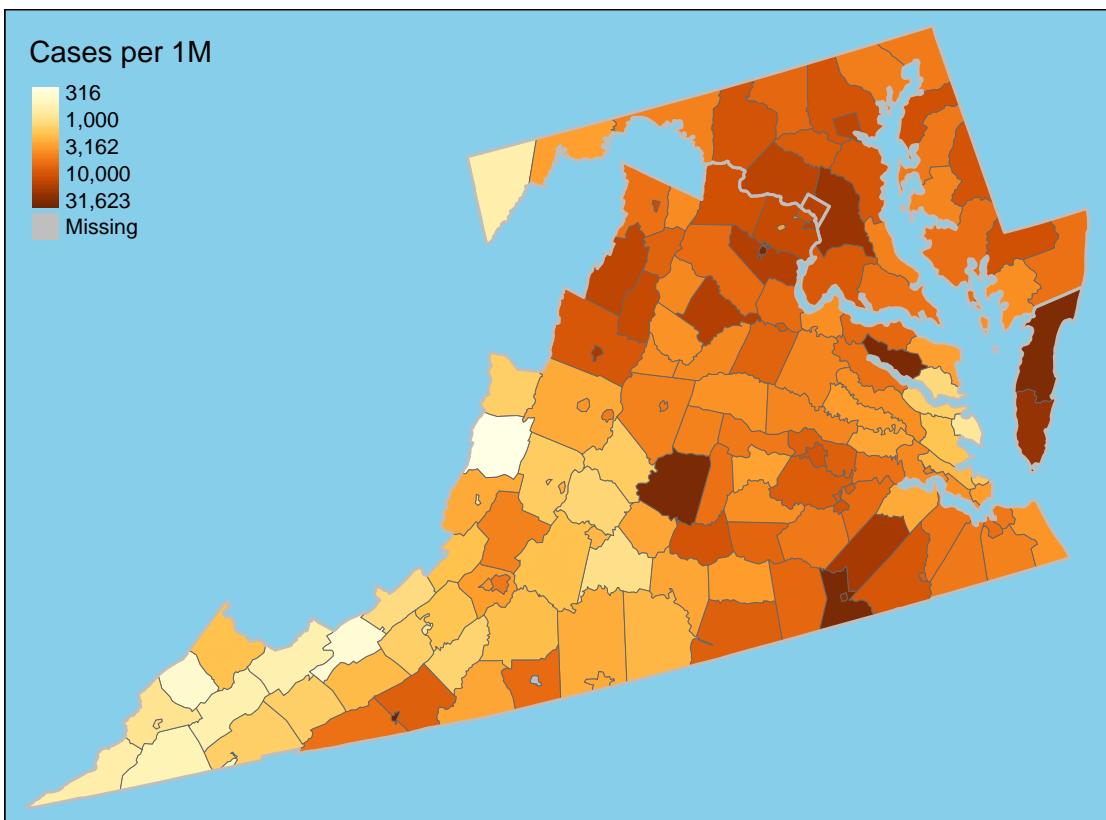


## New Cases

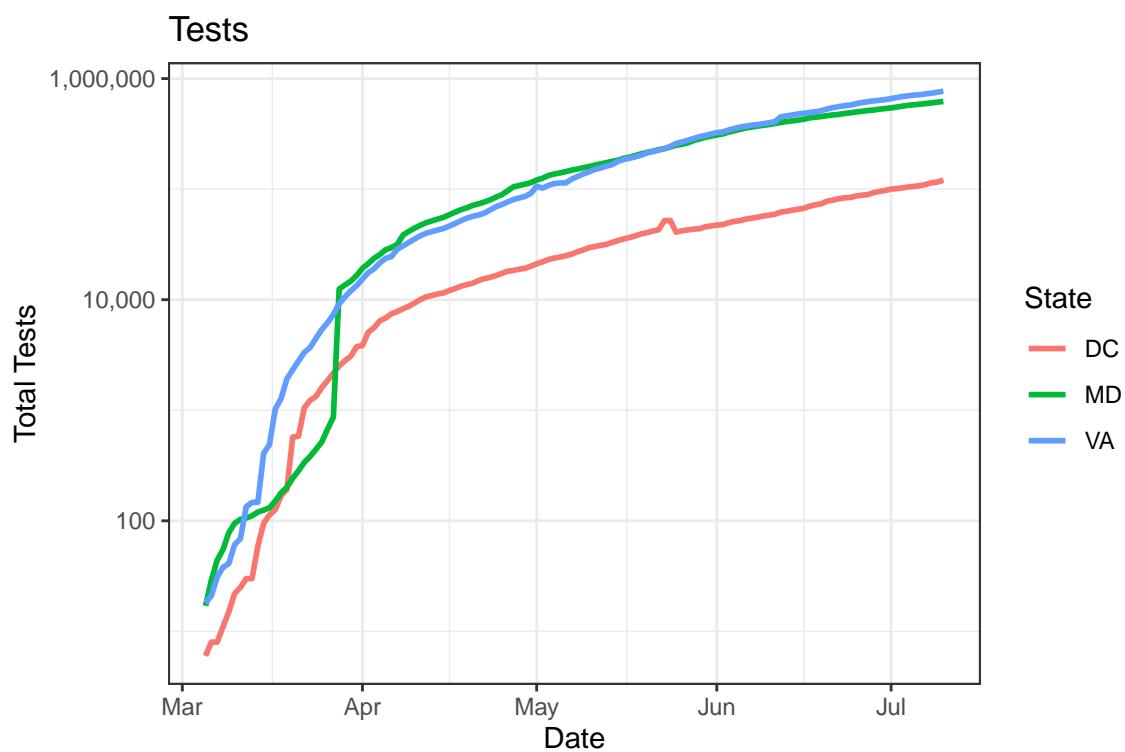


## One-Week Change in Daily Cases

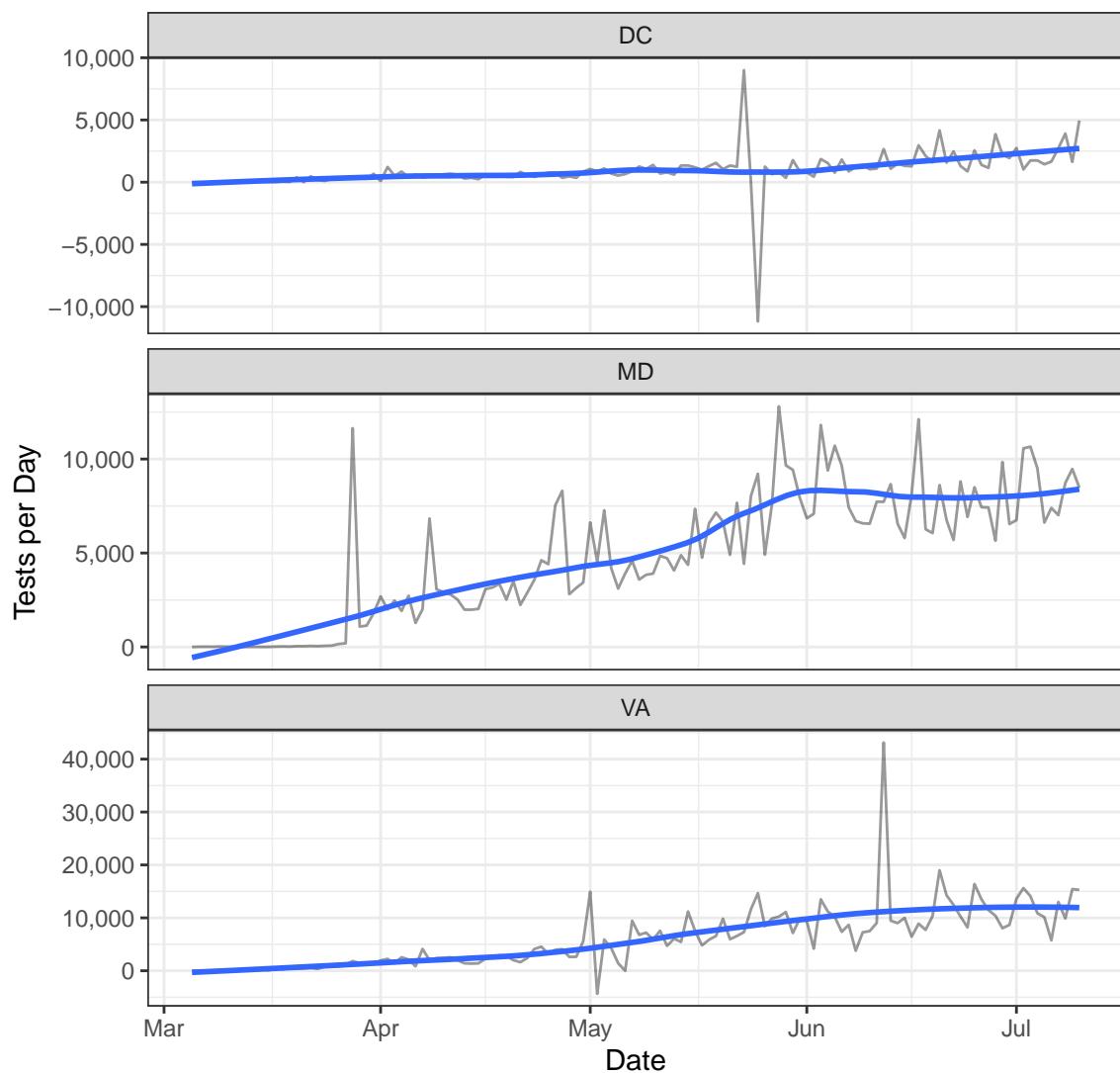




## Testing



## New Tests



## Positive Test Rate

