

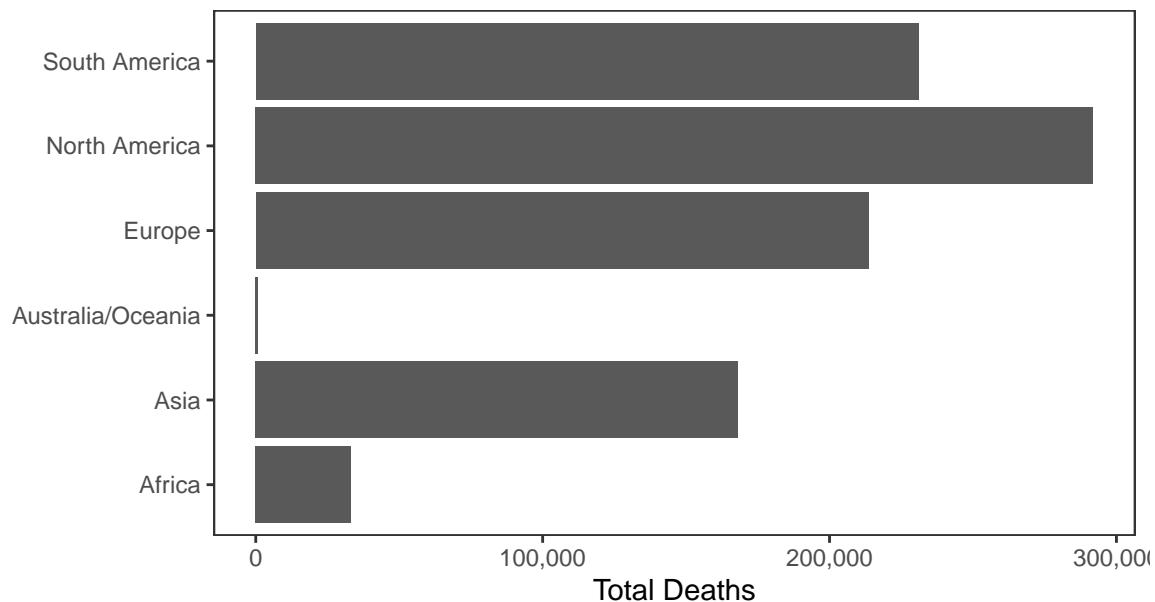
# Erik's Covid-19 Chart Pack

Data updated 2020-09-16 19:24:30. 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 29,718,139 confirmed Covid-19 cases and 938,487 deaths worldwide.

**Deaths**



**Cases**

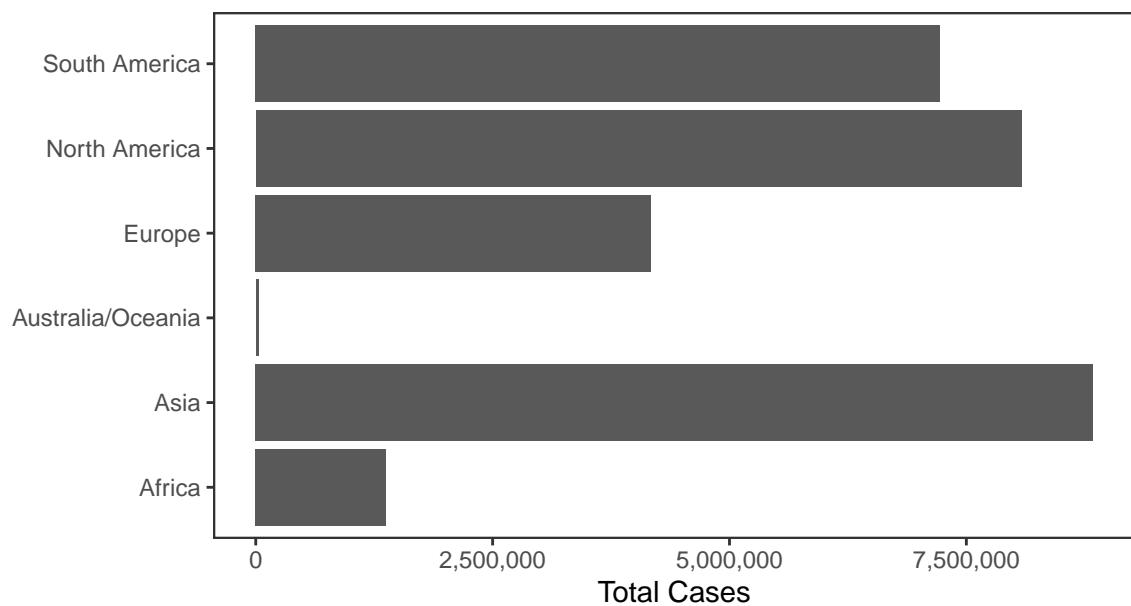
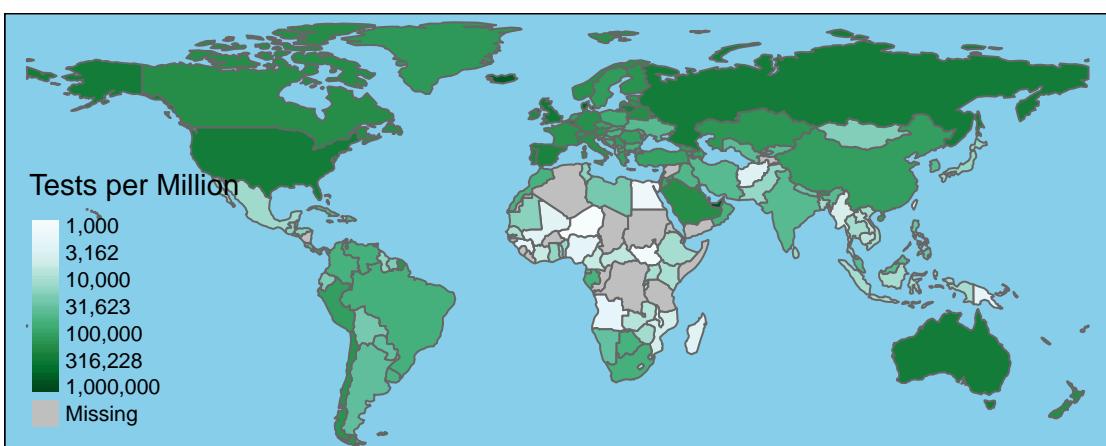
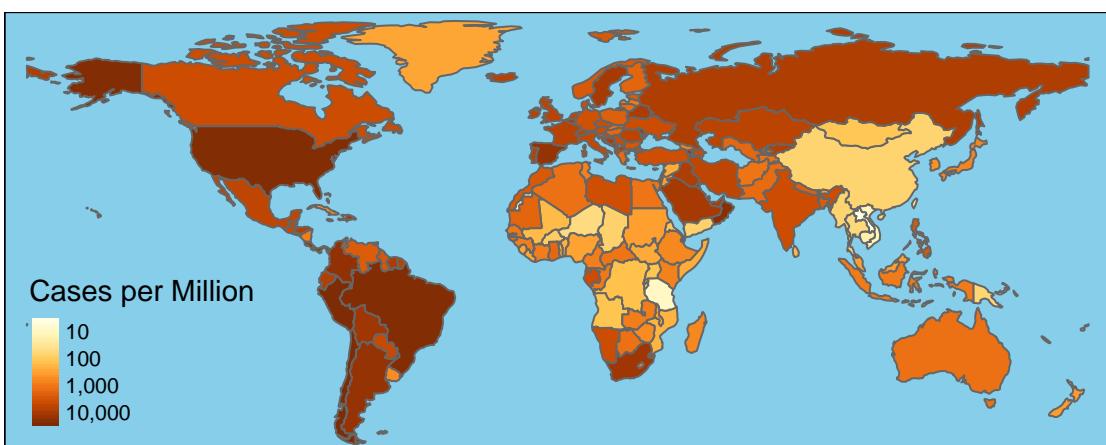
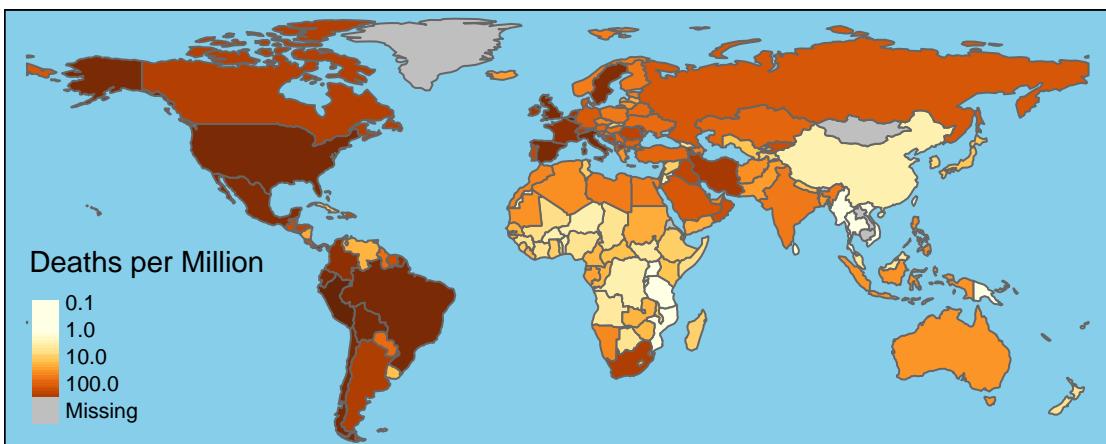


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,788,147	200,197	36,447	1,197
India	5,018,034	82,091	91,120	1,283
Brazil	4,384,299	133,207	34,755	1,090
Russia	1,073,849	18,785	5,529	150
Peru	738,020	30,927	4,160	115
Colombia	728,590	23,288	6,698	165
Mexico	671,716	71,049	3,335	228
South Africa	651,521	15,641	772	142
Spain	603,167	30,004	9,437	156
Argentina	577,338	11,852	11,892	185
Chile	437,983	12,040	1,536	27
Iran	407,353	23,453	2,705	140
France	395,104	30,999	7,852	49
UK	374,228	41,664	3,105	27
Bangladesh	341,056	4,802	1,724	43
Saudi Arabia	326,930	4,338	672	33
Pakistan	302,424	6,389	404	6
Iraq	298,702	8,166	4,224	80
Turkey	294,620	7,186	1,742	67
Italy	289,990	35,633	1,229	9



## National Data

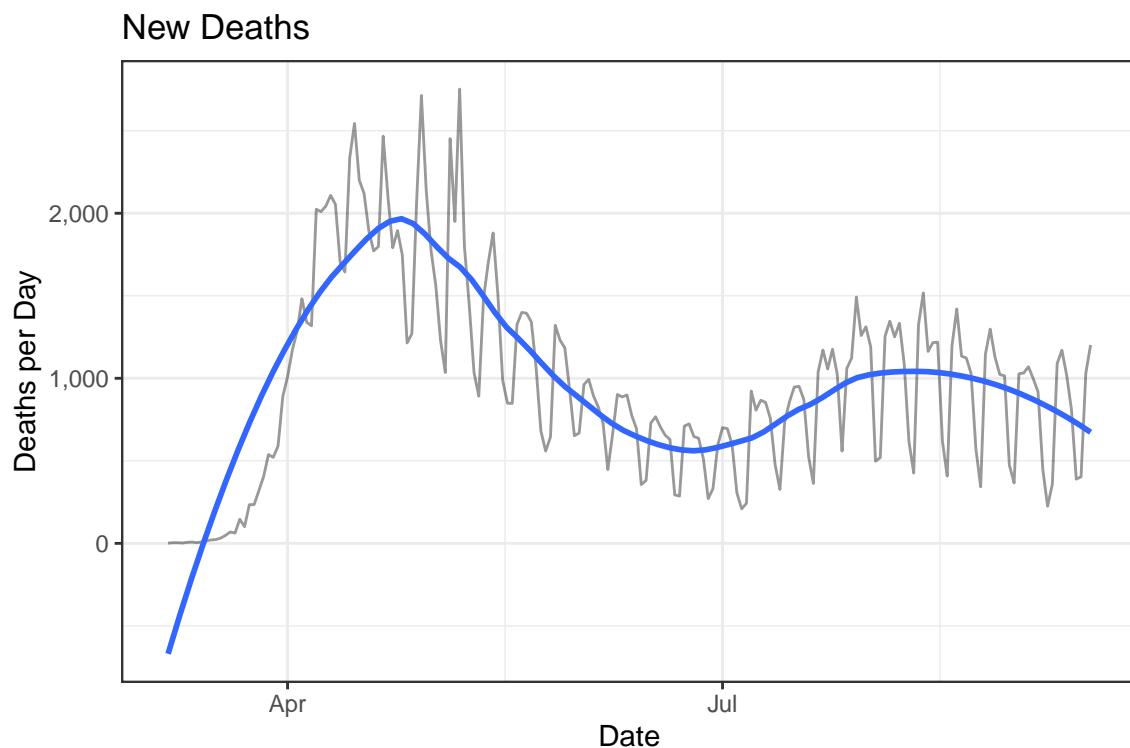
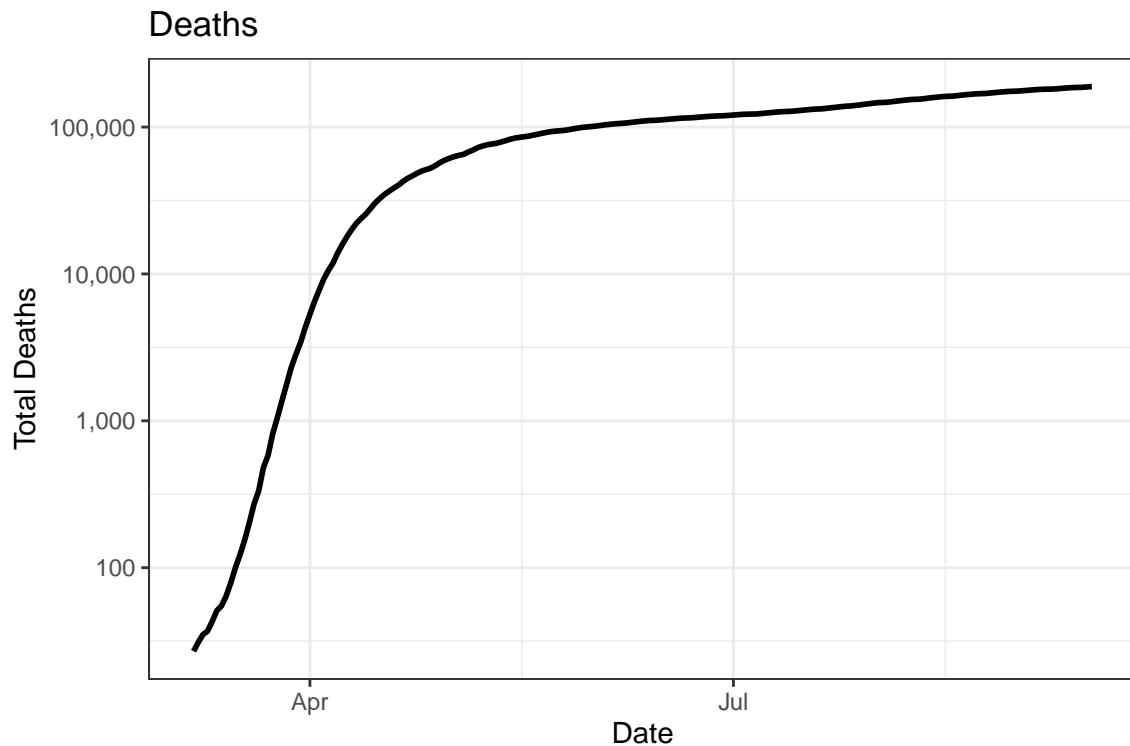
There have been 6,597,783 confirmed Covid-19 cases and 188,802 deaths in the United States.

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

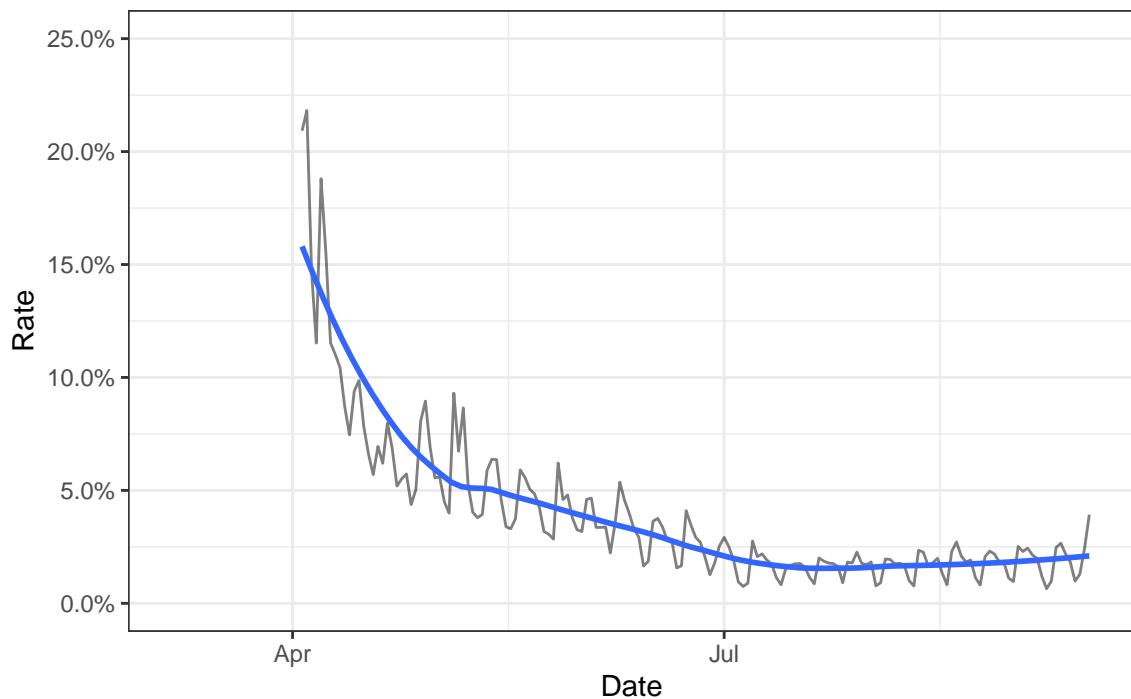
Date	Cases	Deaths	New Cases	New Deaths
2020-09-16	6,597,783	188,802	40,021	1,202
2020-09-15	6,557,762	187,600	35,445	1,031
2020-09-14	6,522,317	186,569	33,864	403
2020-09-13	6,488,453	186,166	34,453	389
2020-09-12	6,454,000	185,777	42,087	810
2020-09-11	6,411,913	184,967	44,927	1,018
2020-09-10	6,366,986	183,949	37,581	1,170
2020-09-09	6,329,405	182,779	30,983	1,089
2020-09-08	6,298,422	181,690	22,223	358
2020-09-07	6,276,199	181,332	28,682	225
2020-09-06	6,247,517	181,107	33,117	449
2020-09-05	6,214,400	180,658	44,905	918
2020-09-04	6,169,495	179,740	51,591	998
2020-09-03	6,117,904	178,742	44,714	1,070

## Deaths

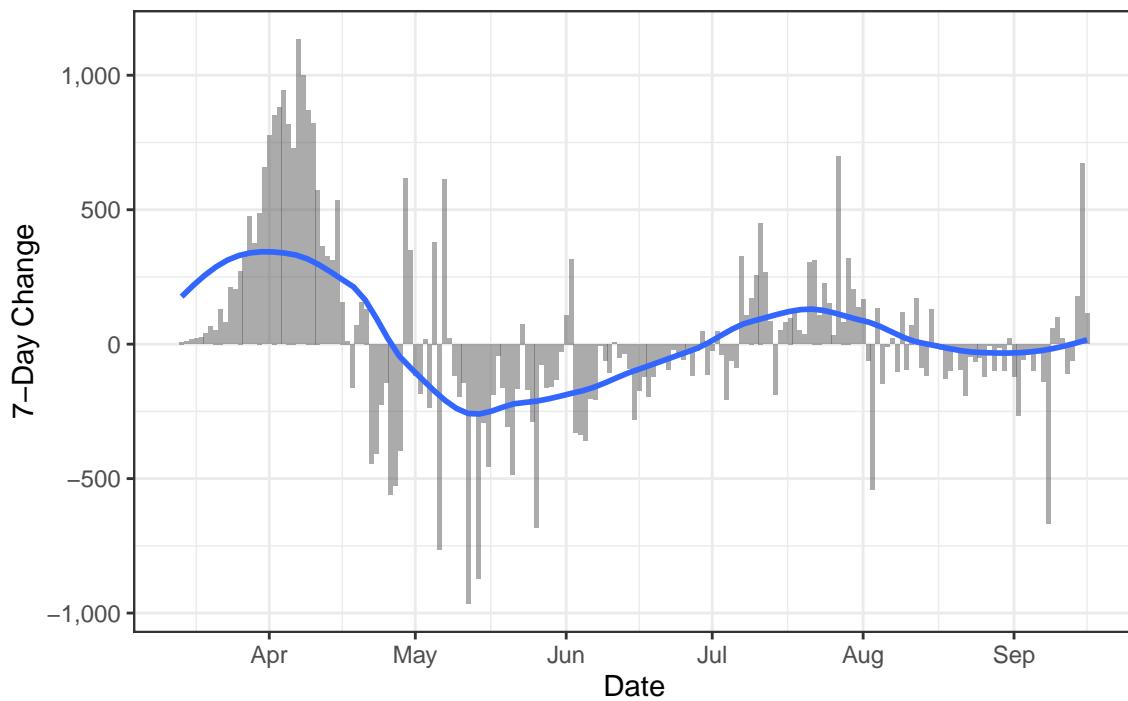
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

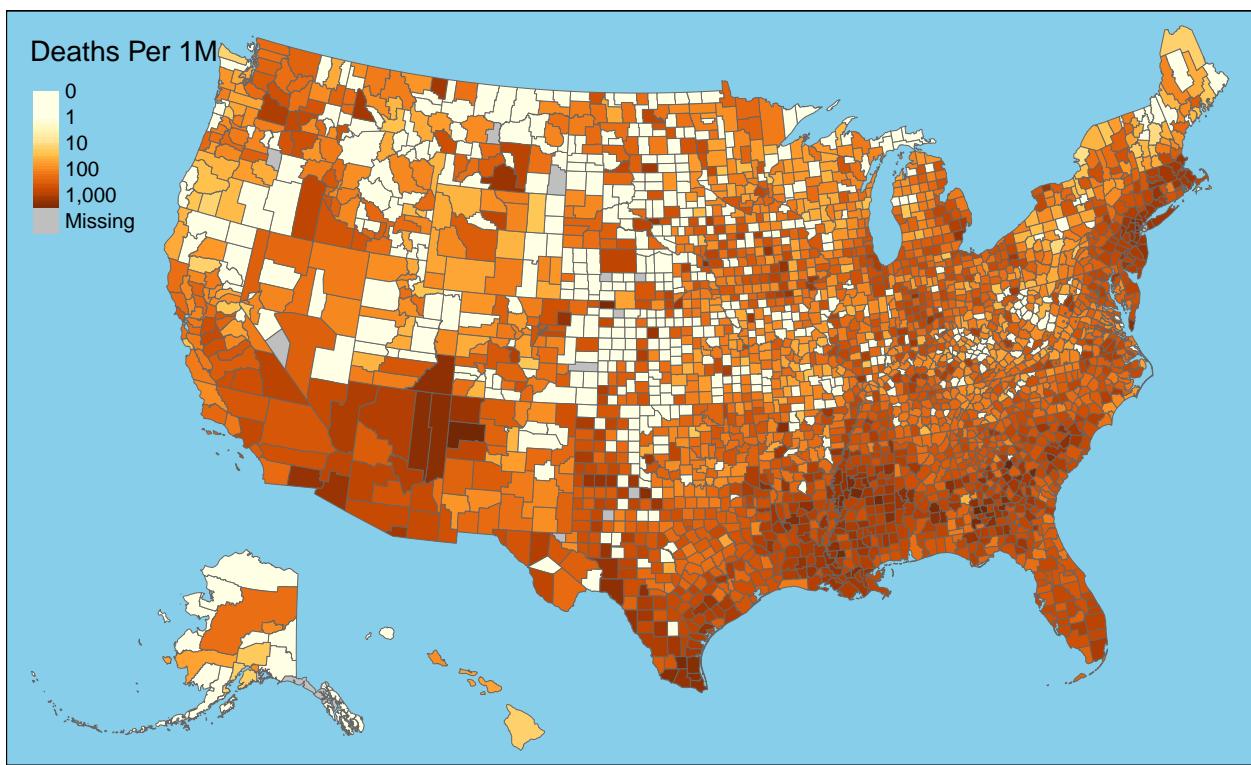


Daily Case Mortality Rate



One-Week Change in Daily Deaths

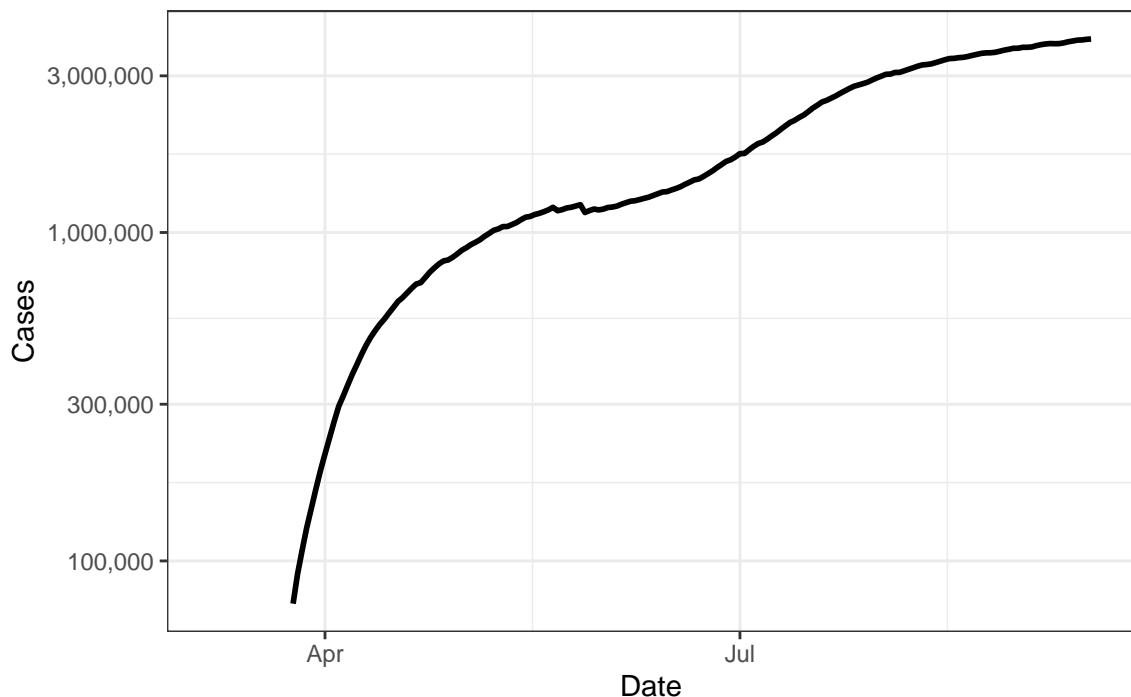




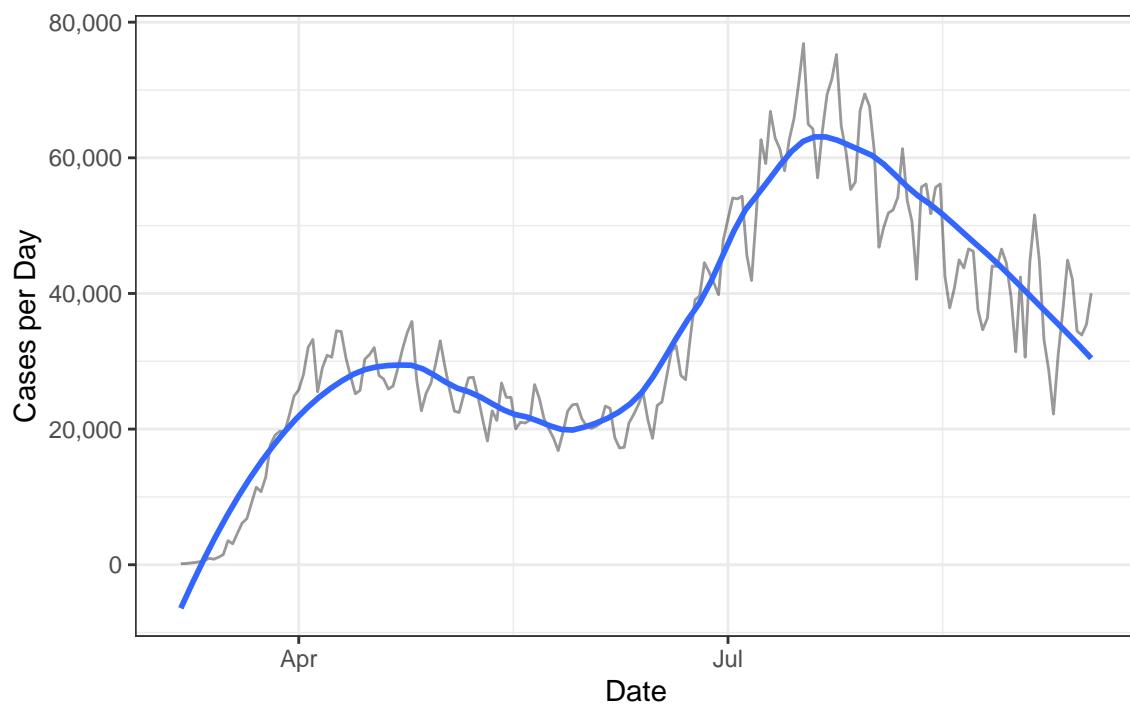
## Cases

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

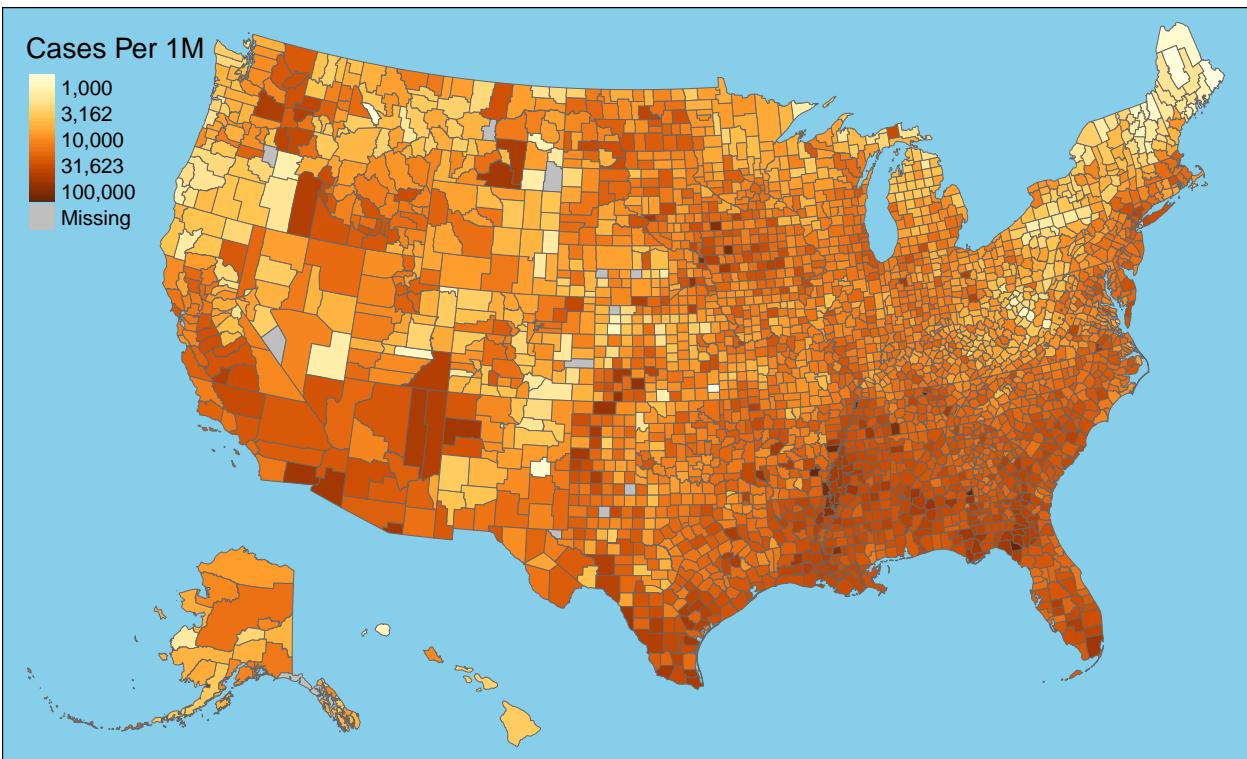
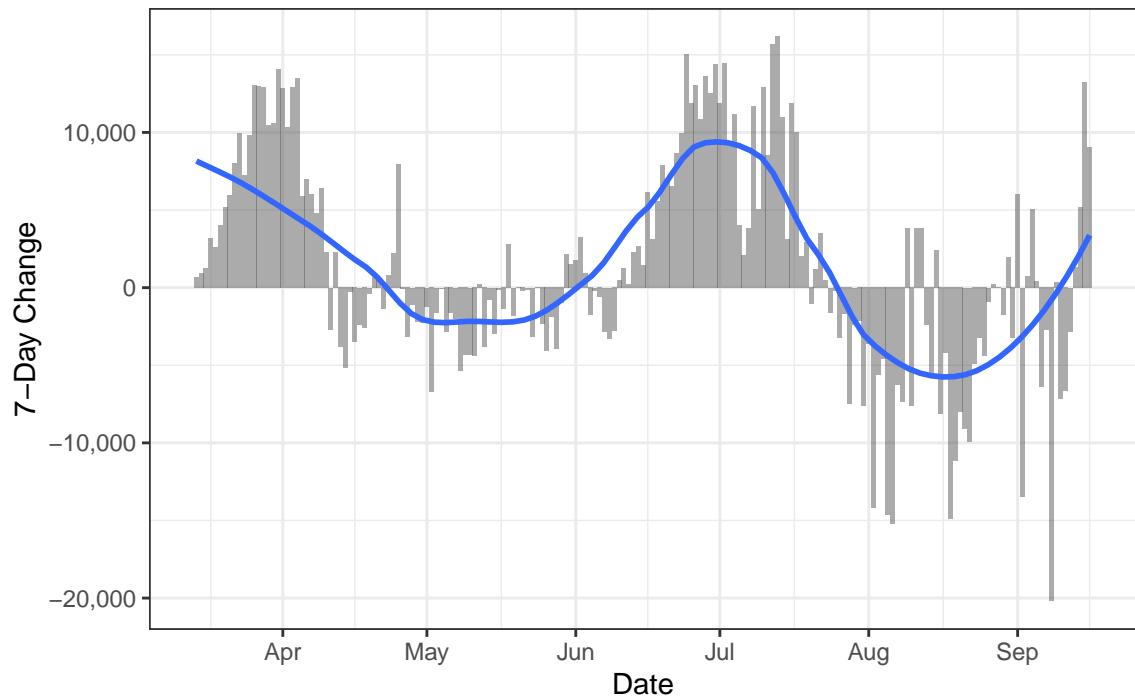
### Active Cases



### New Cases

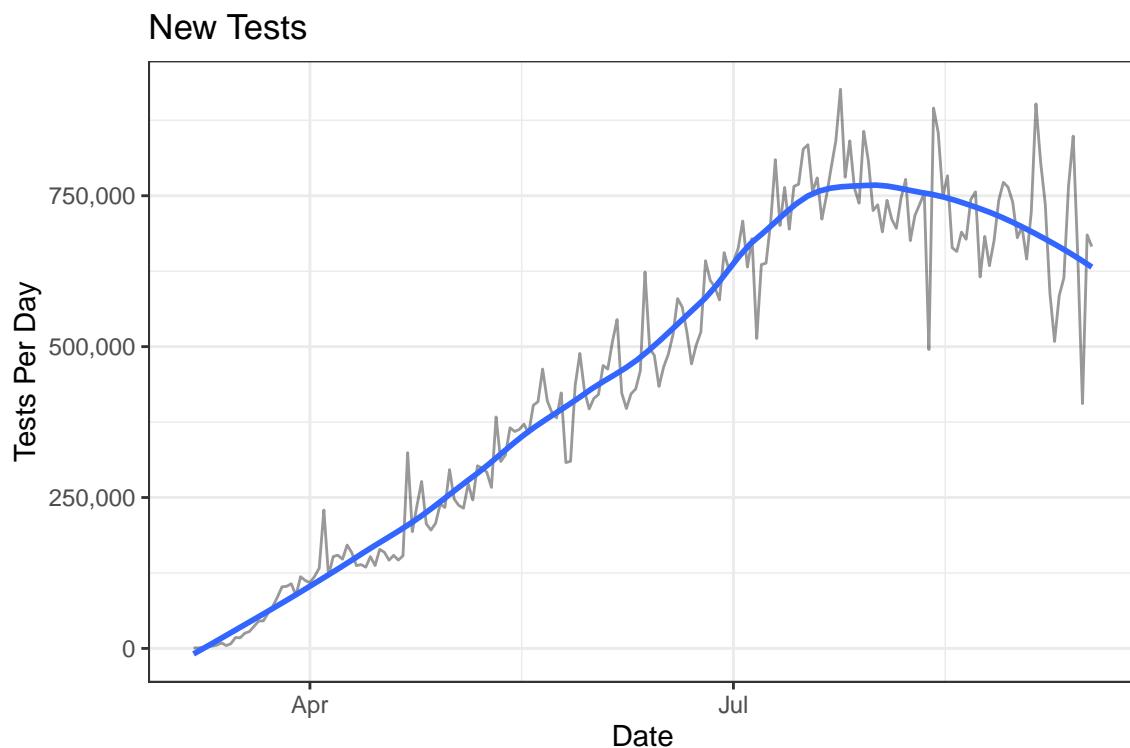
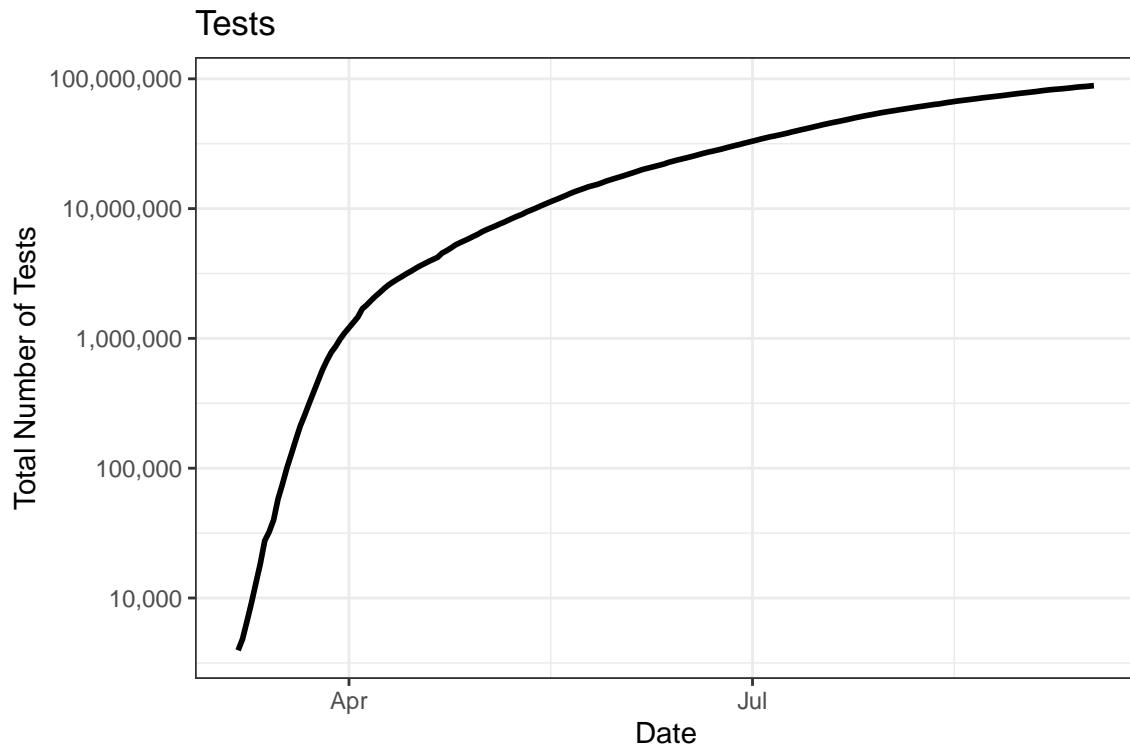


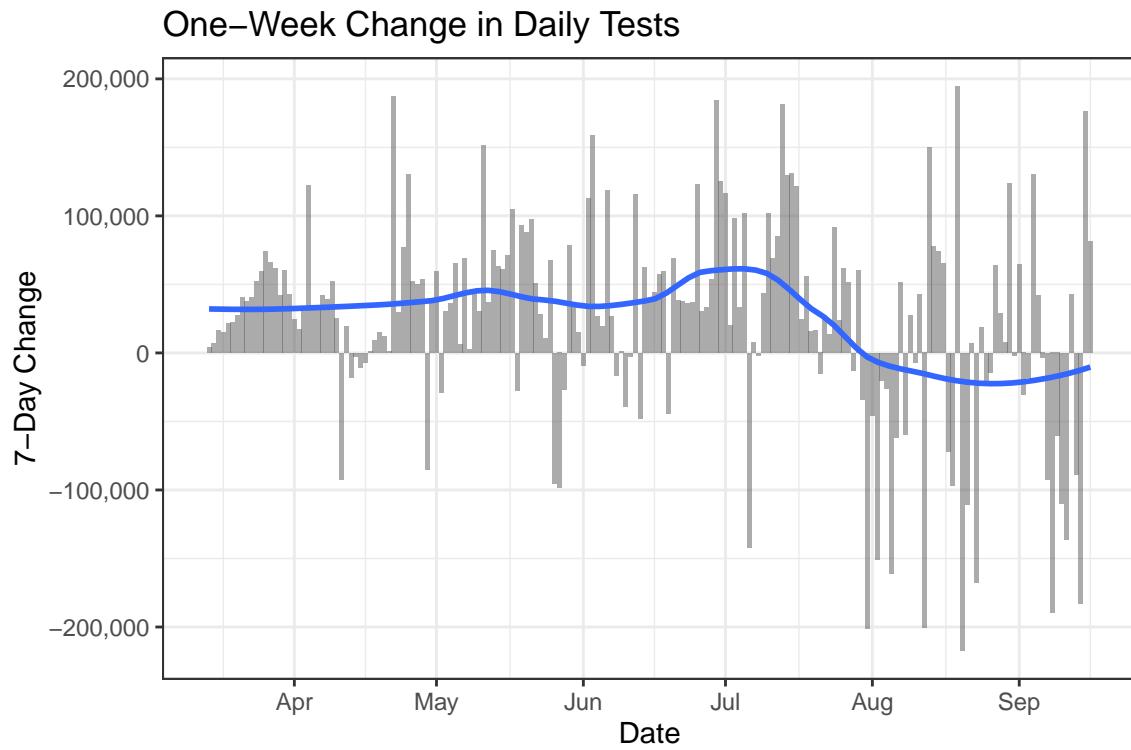
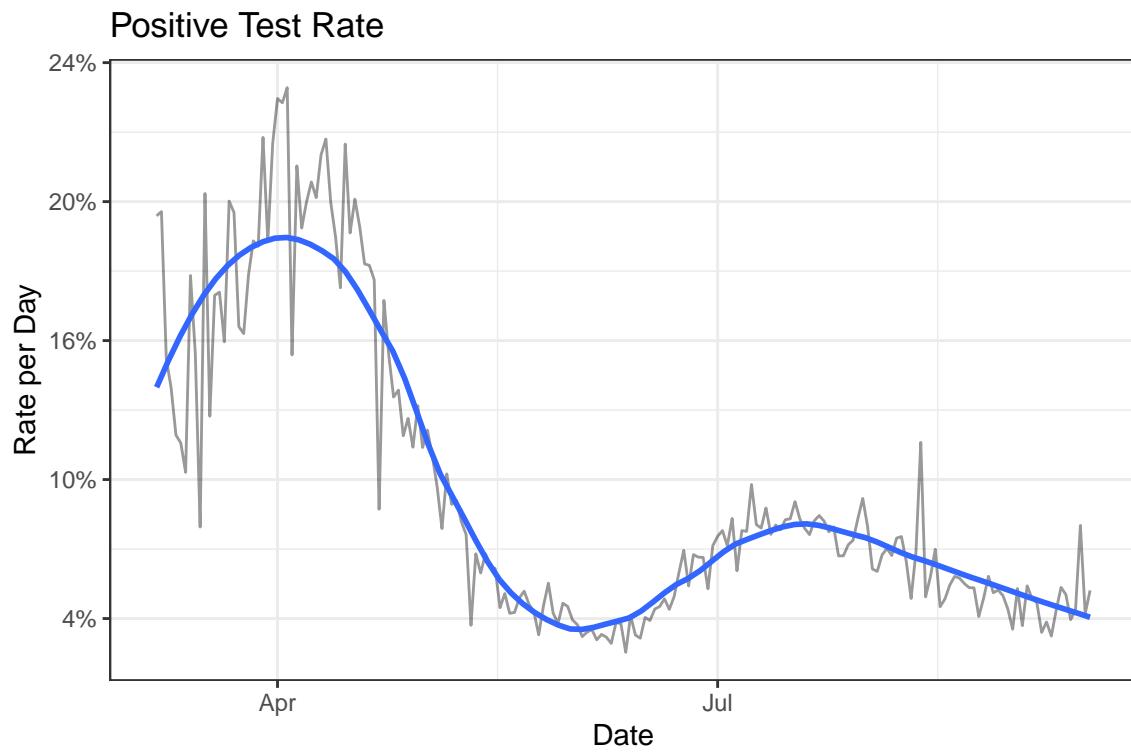
## One-Week Change in Daily Cases



## 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.

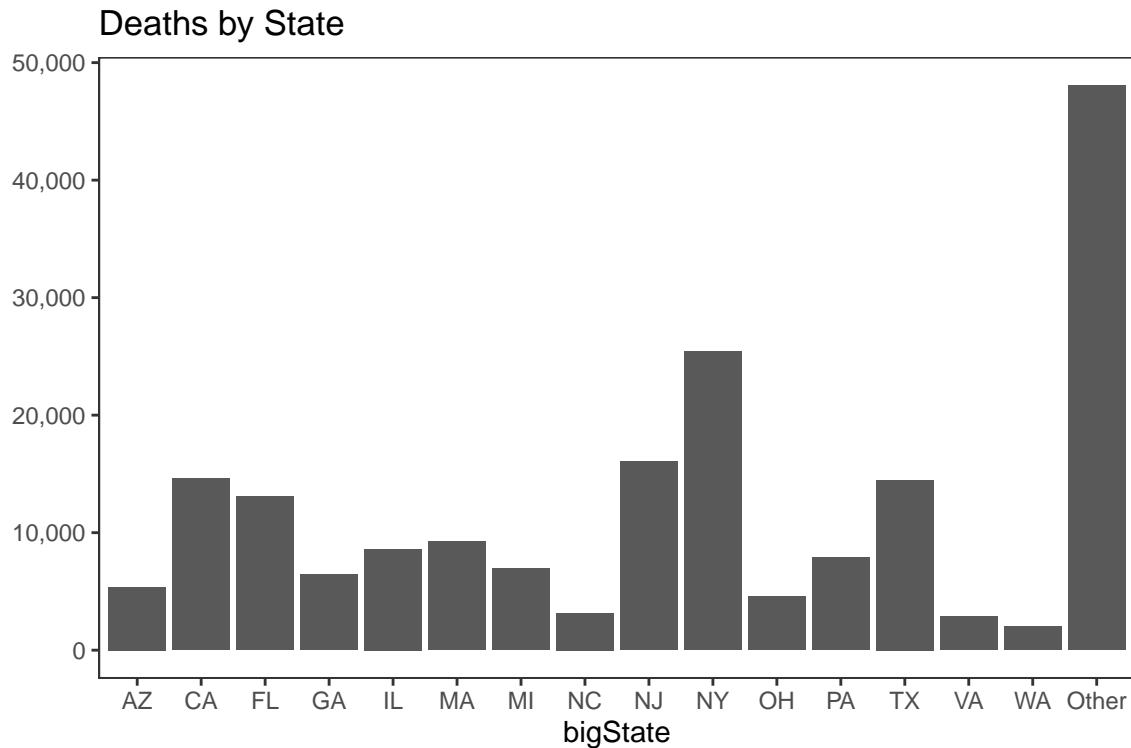




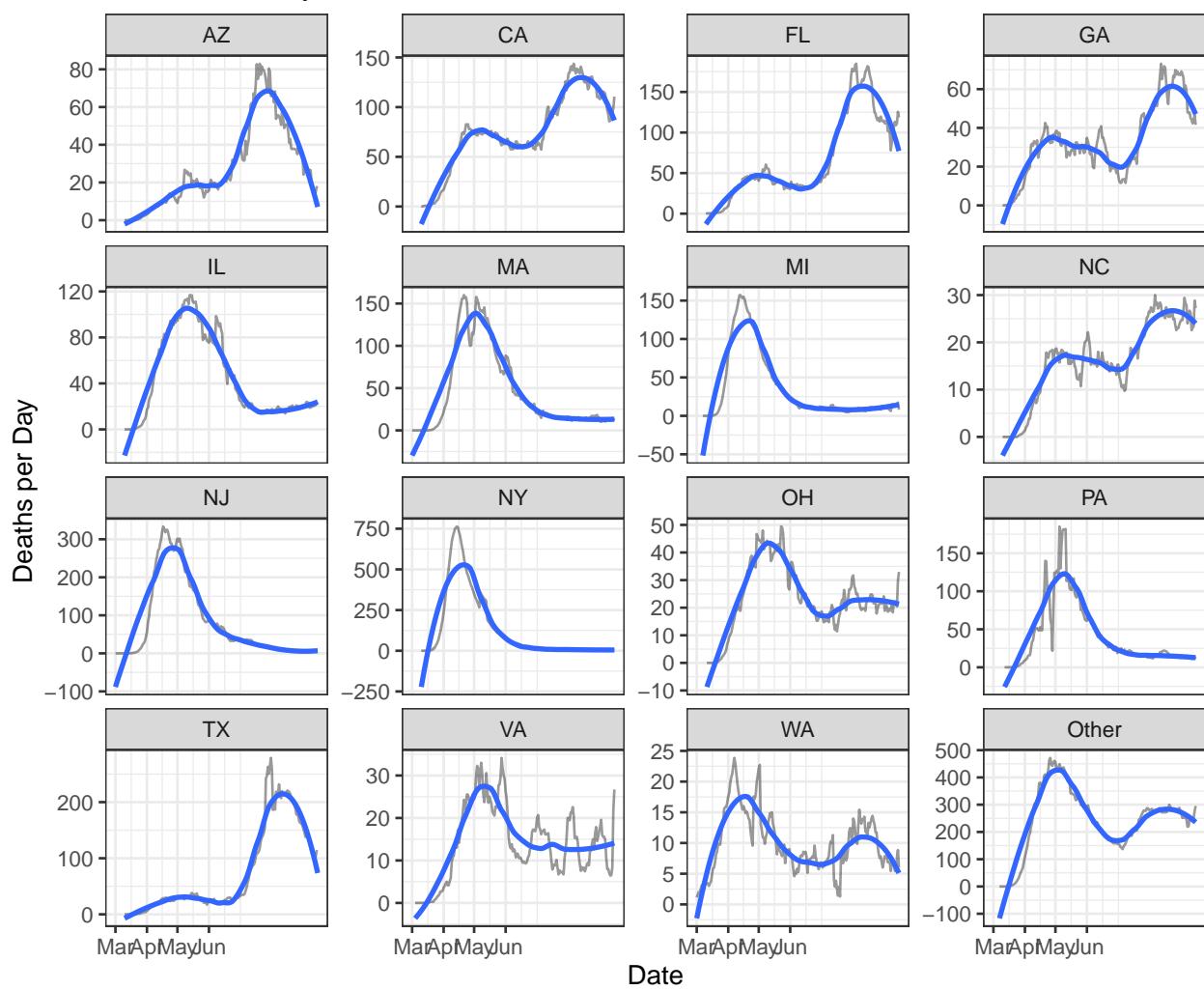
## State Data

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.

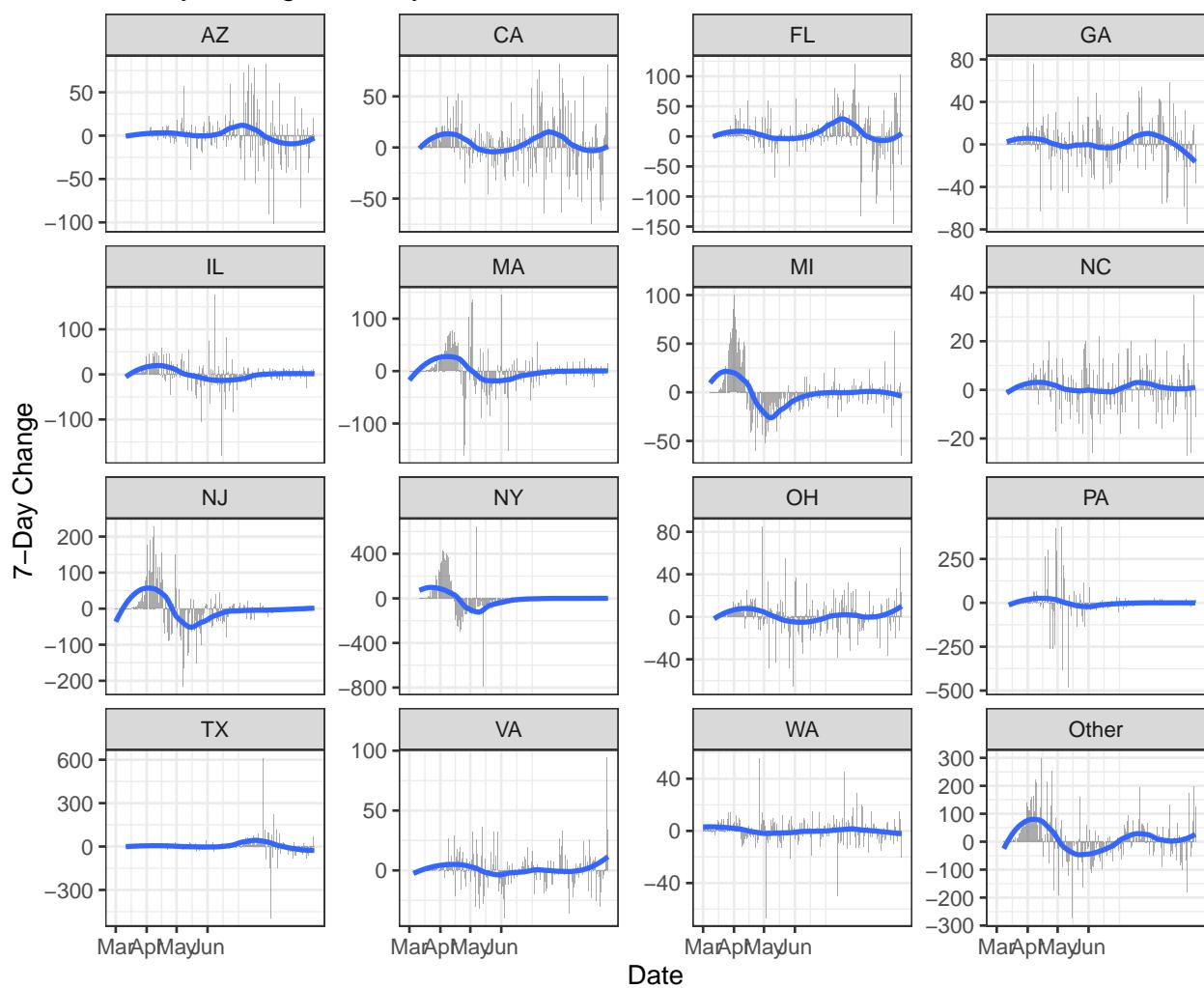
### Deaths

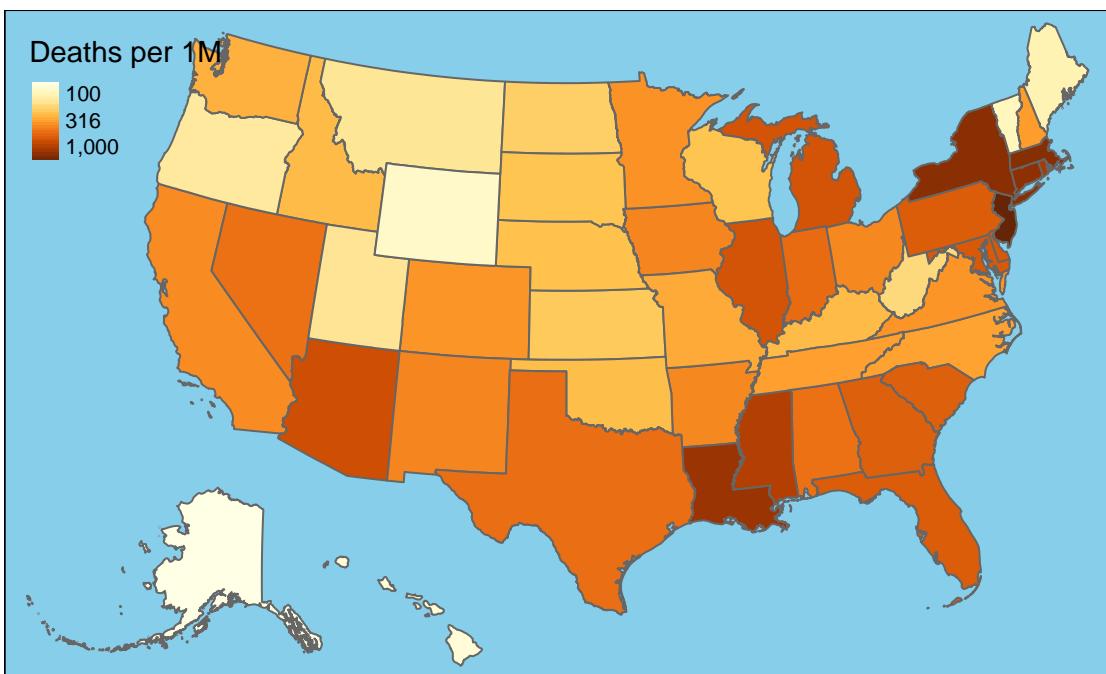
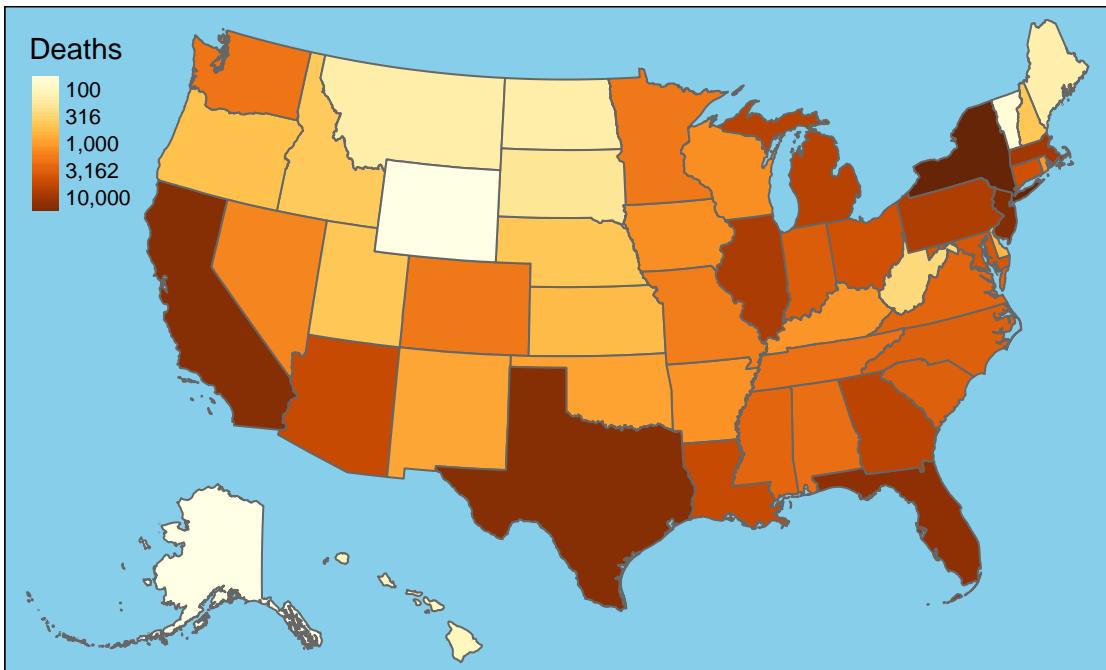


## New Deaths by State



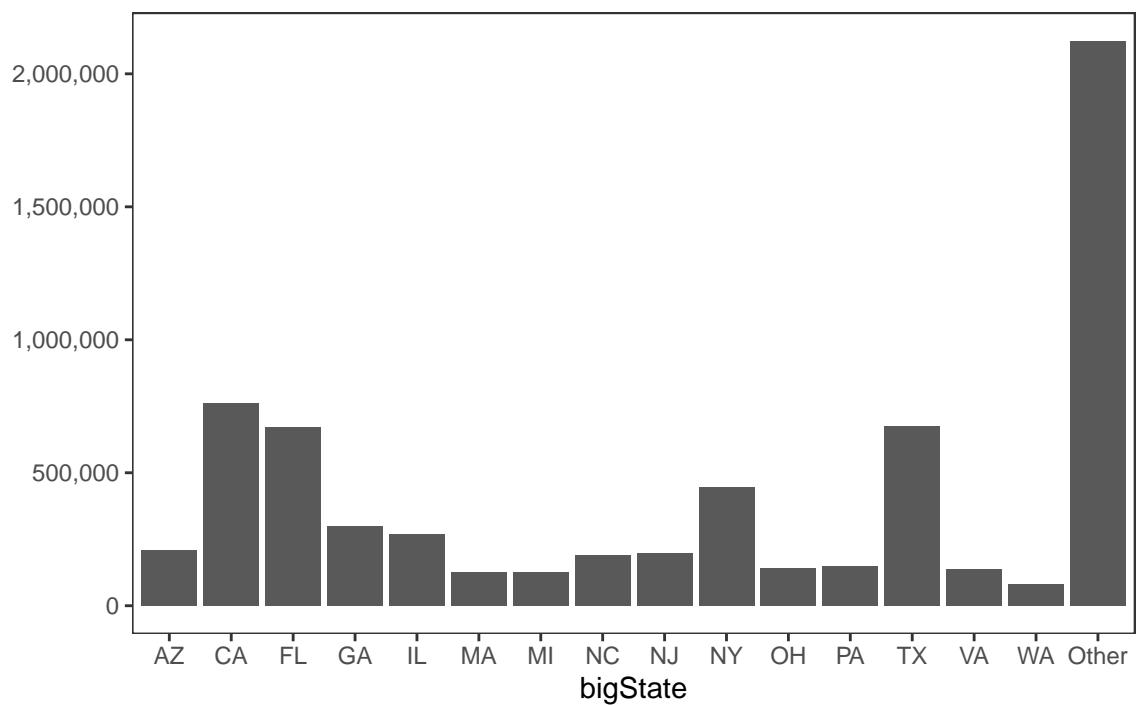
### 7-Day Change in Daily Deaths



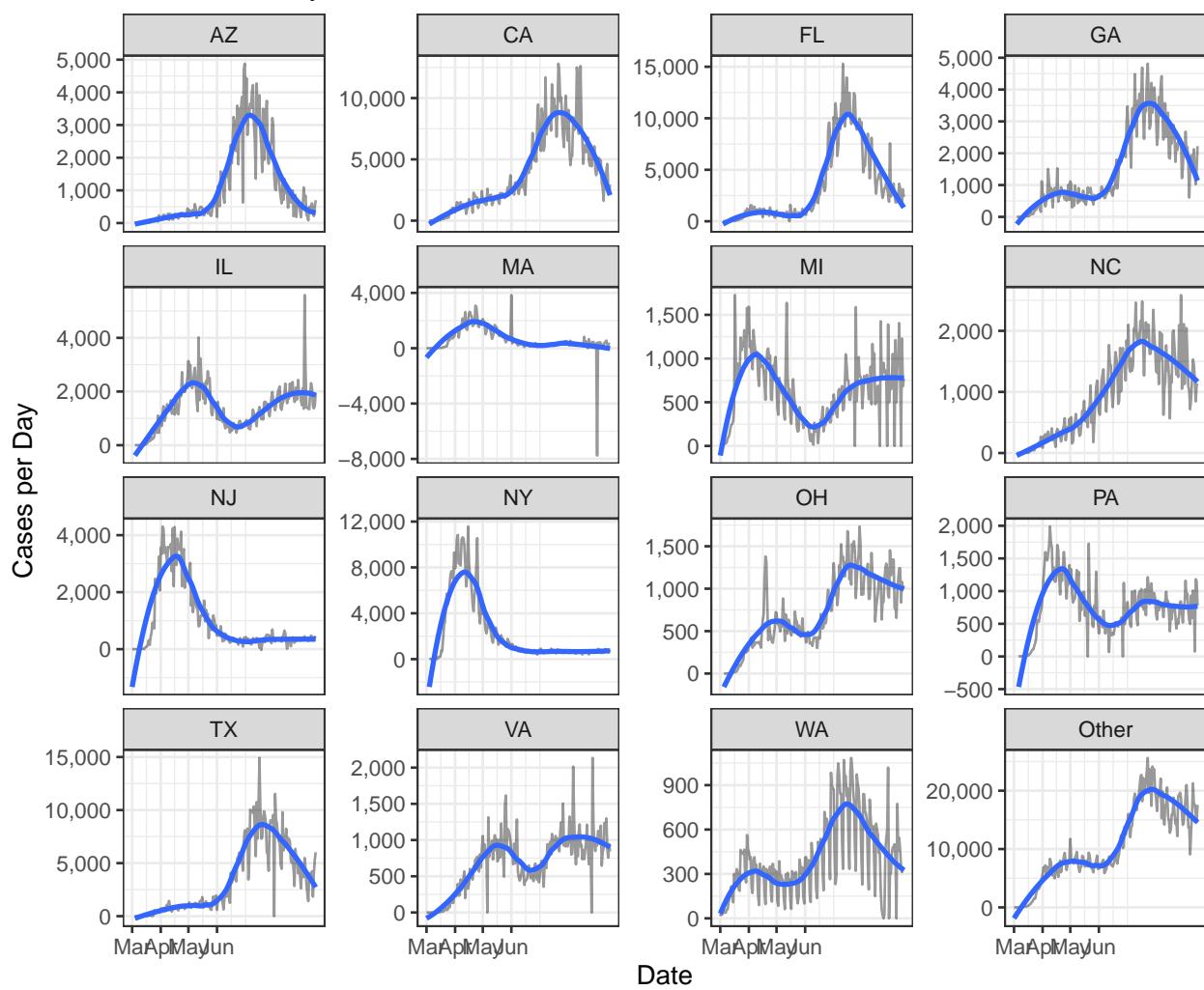


Cases

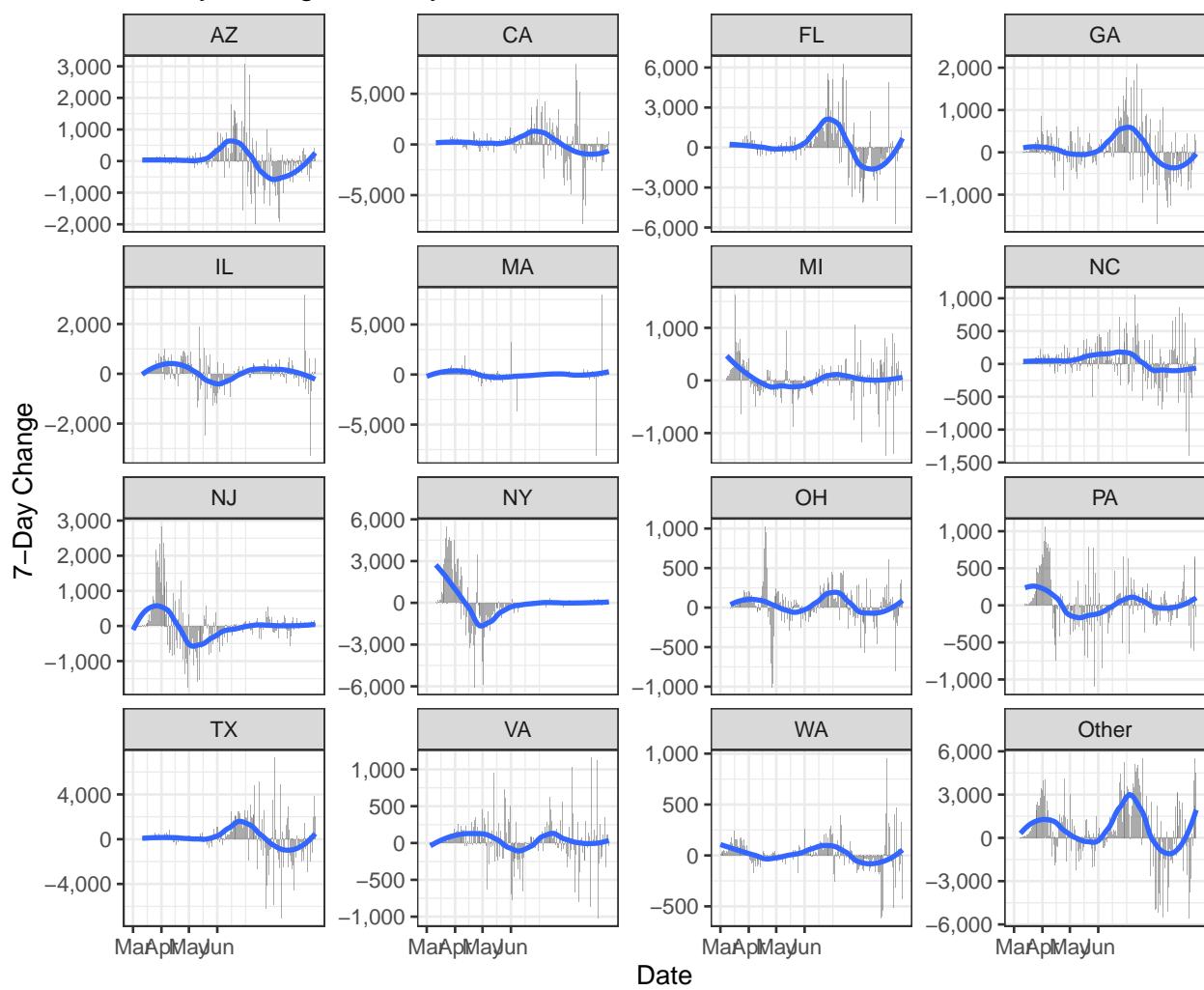
Cases by State

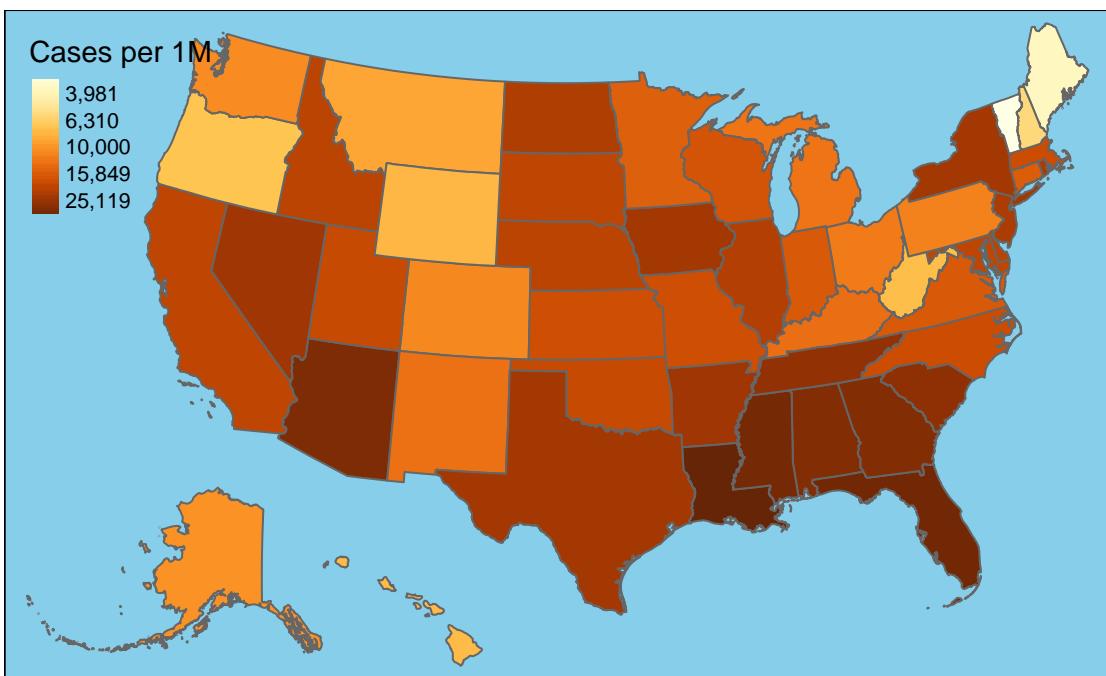
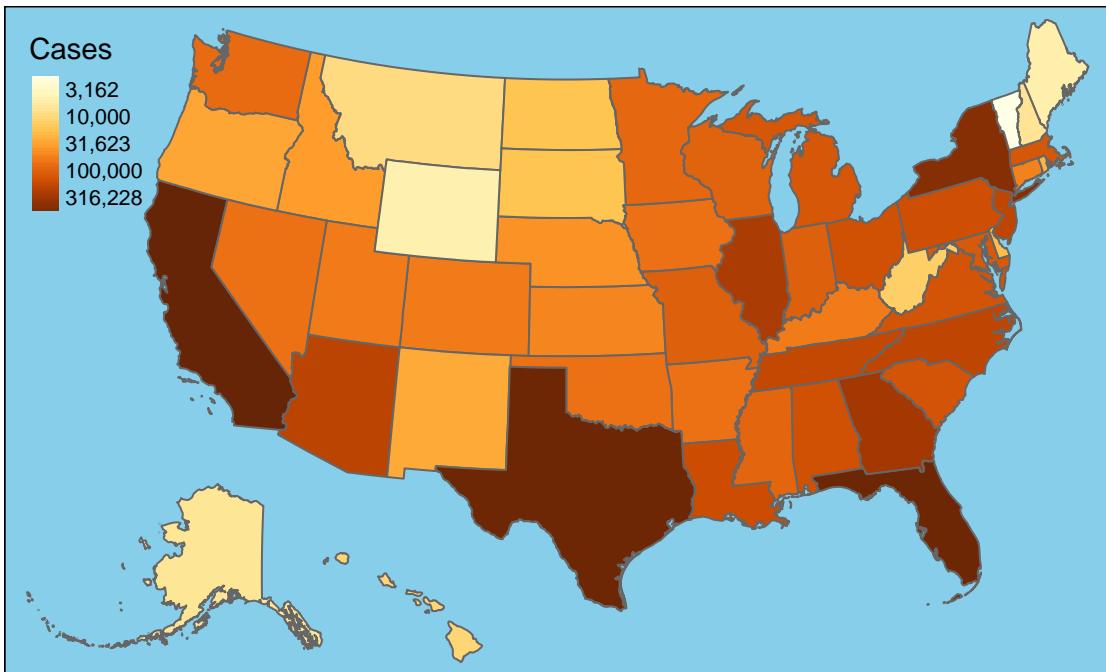


## New Cases by State

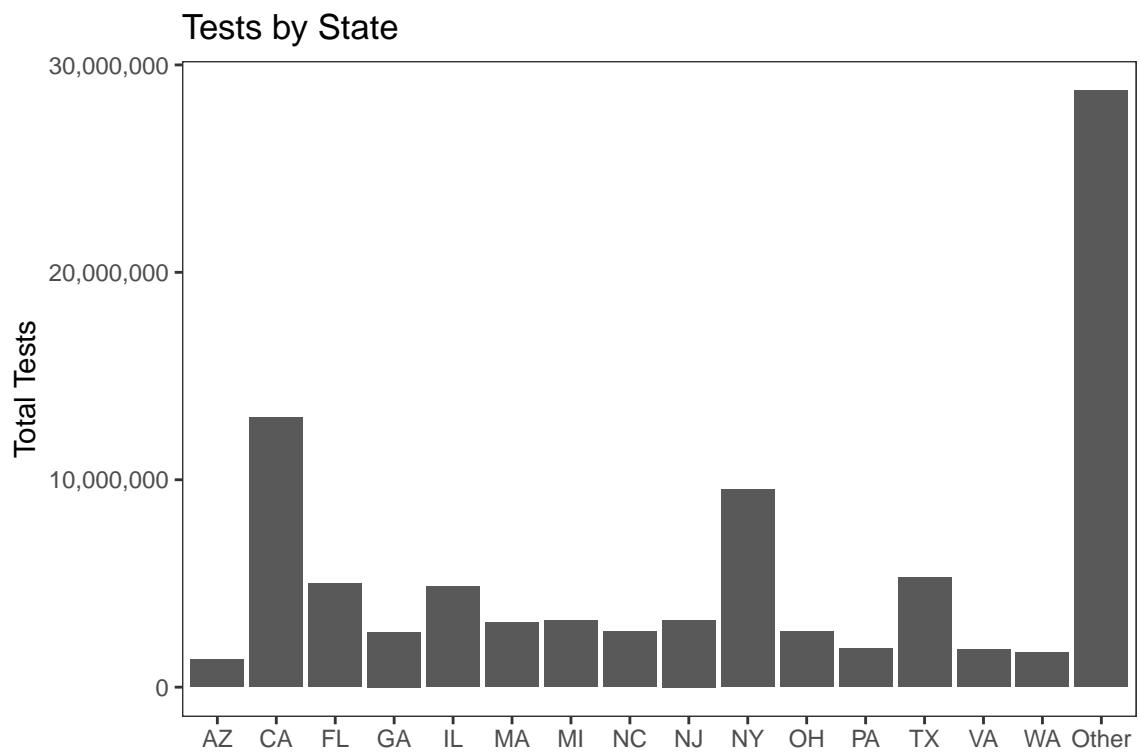


### 7-Day Change in Daily Cases

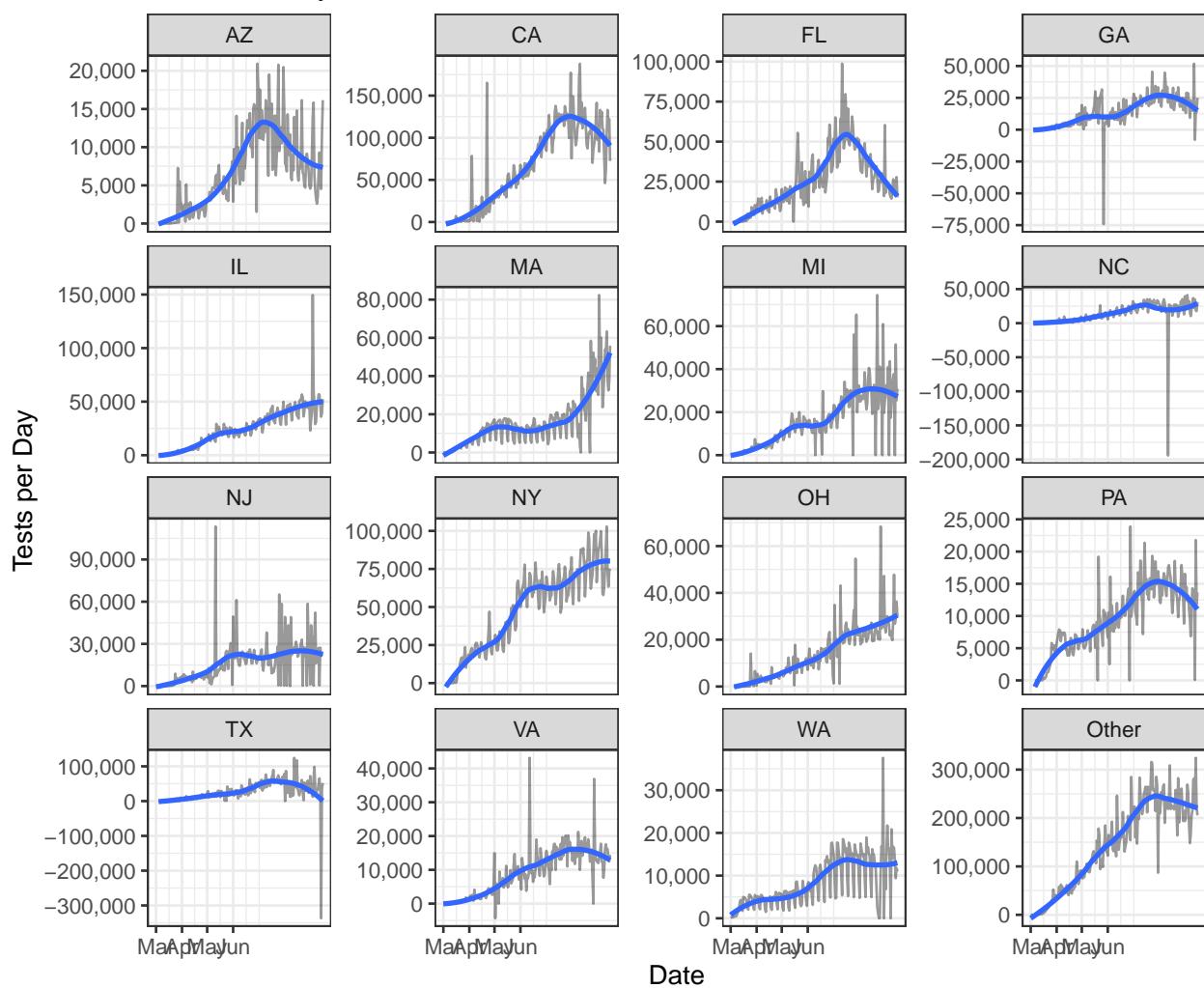


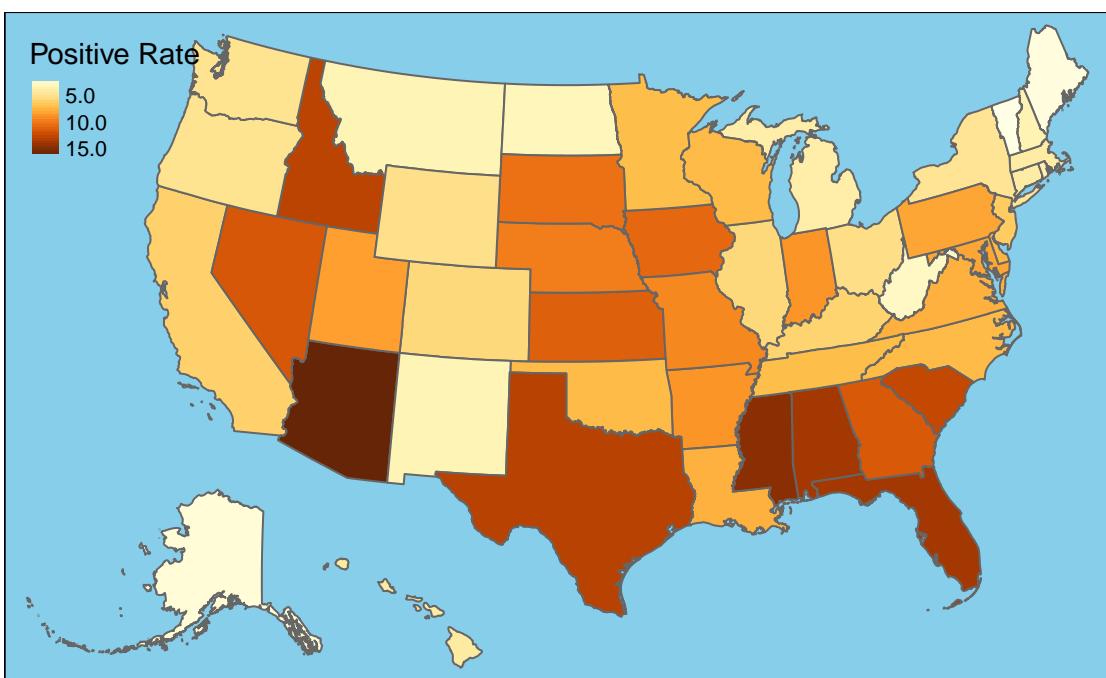
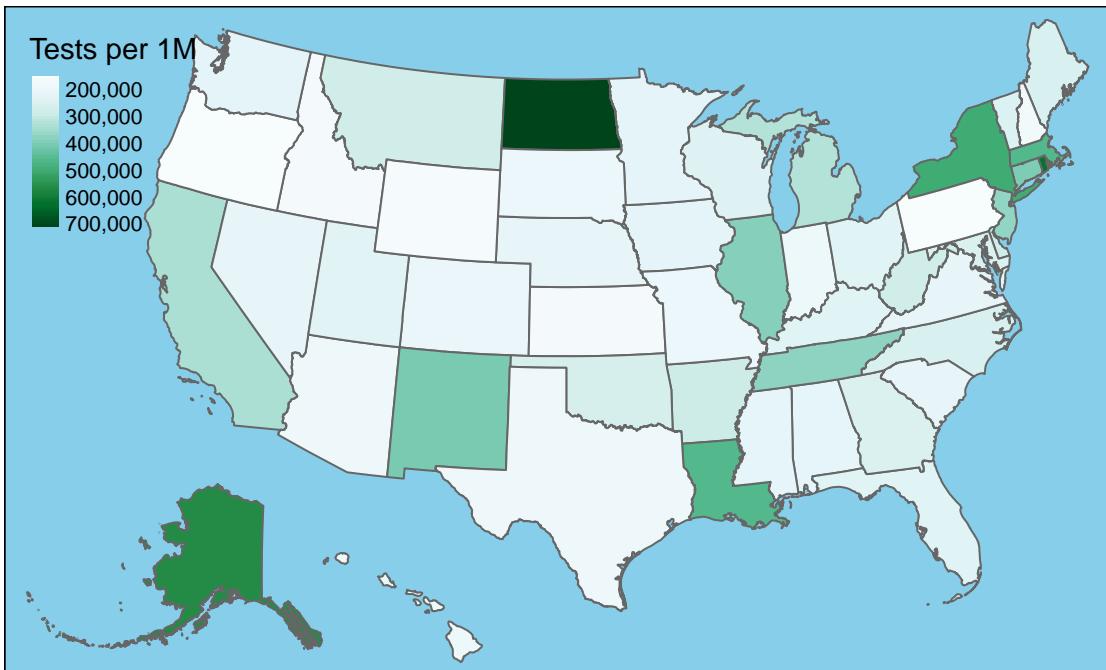


## Testing

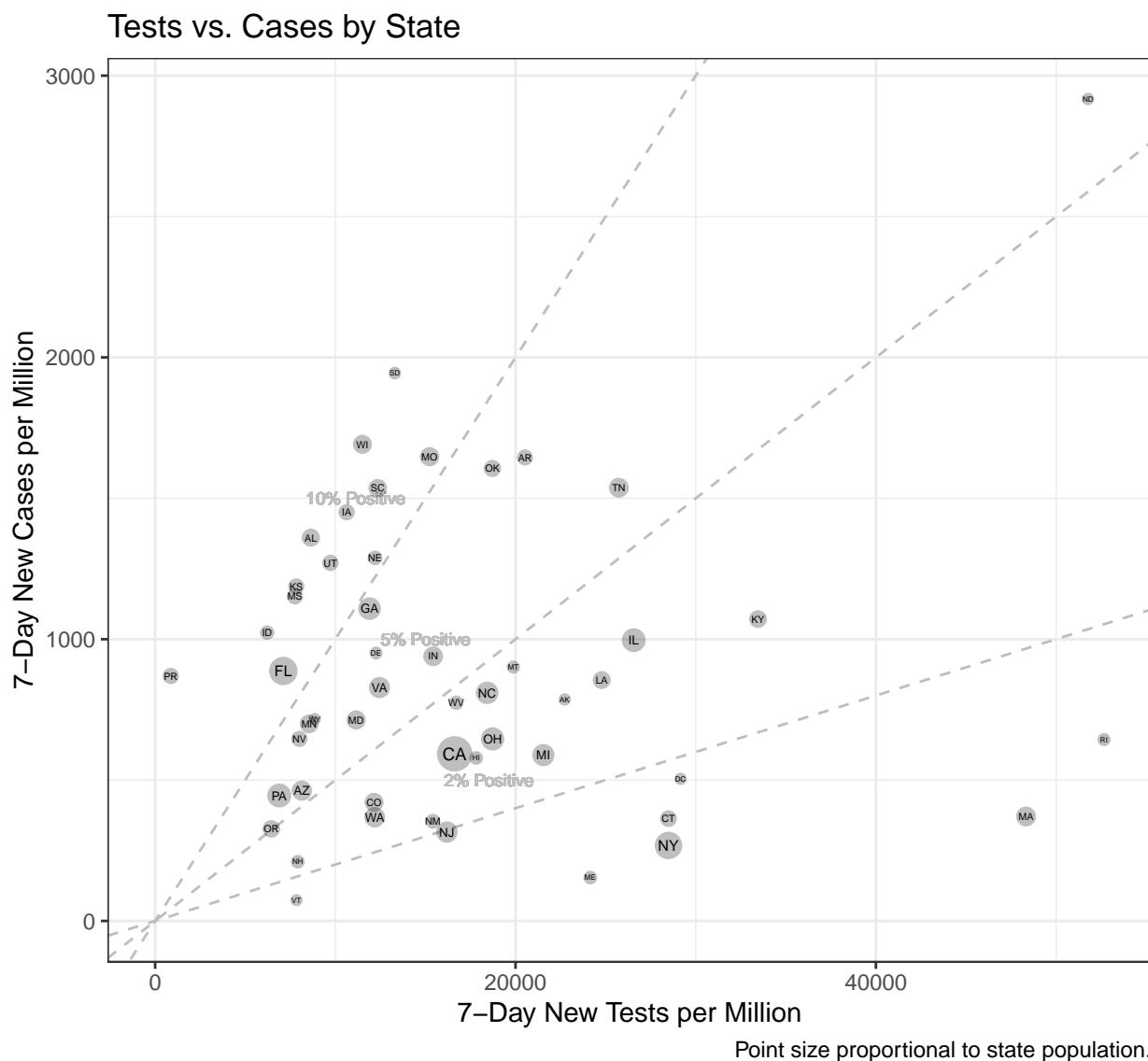


## New Tests by State





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.



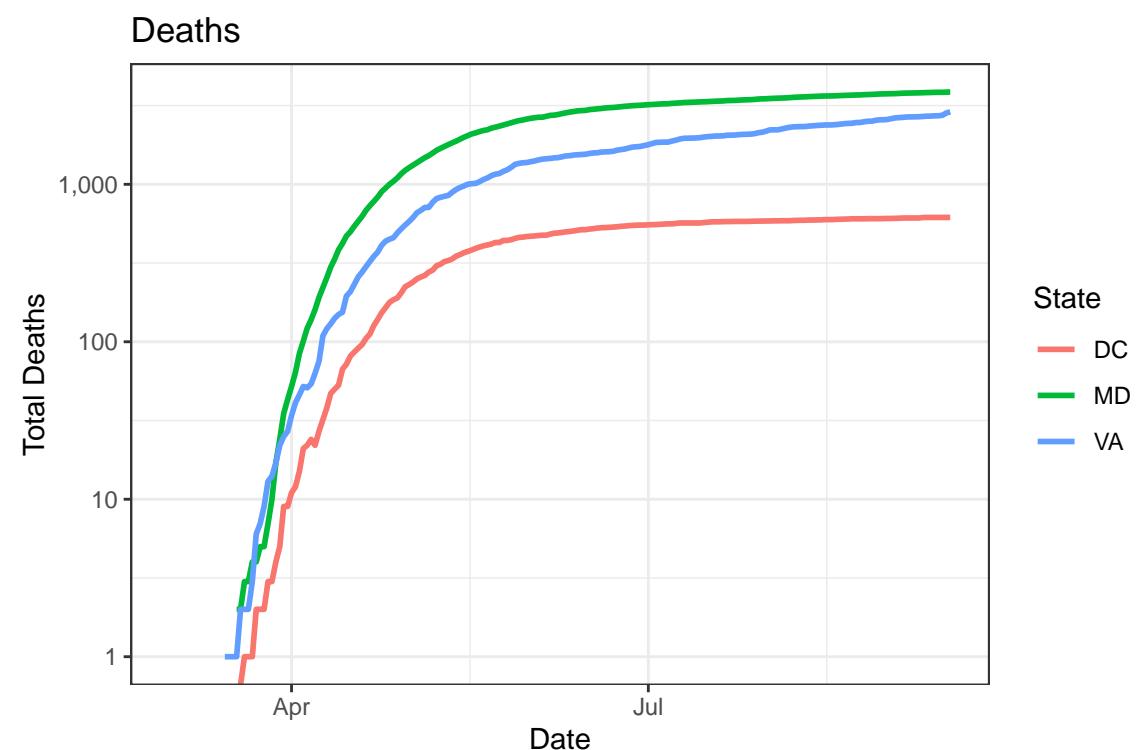
## Local Data

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

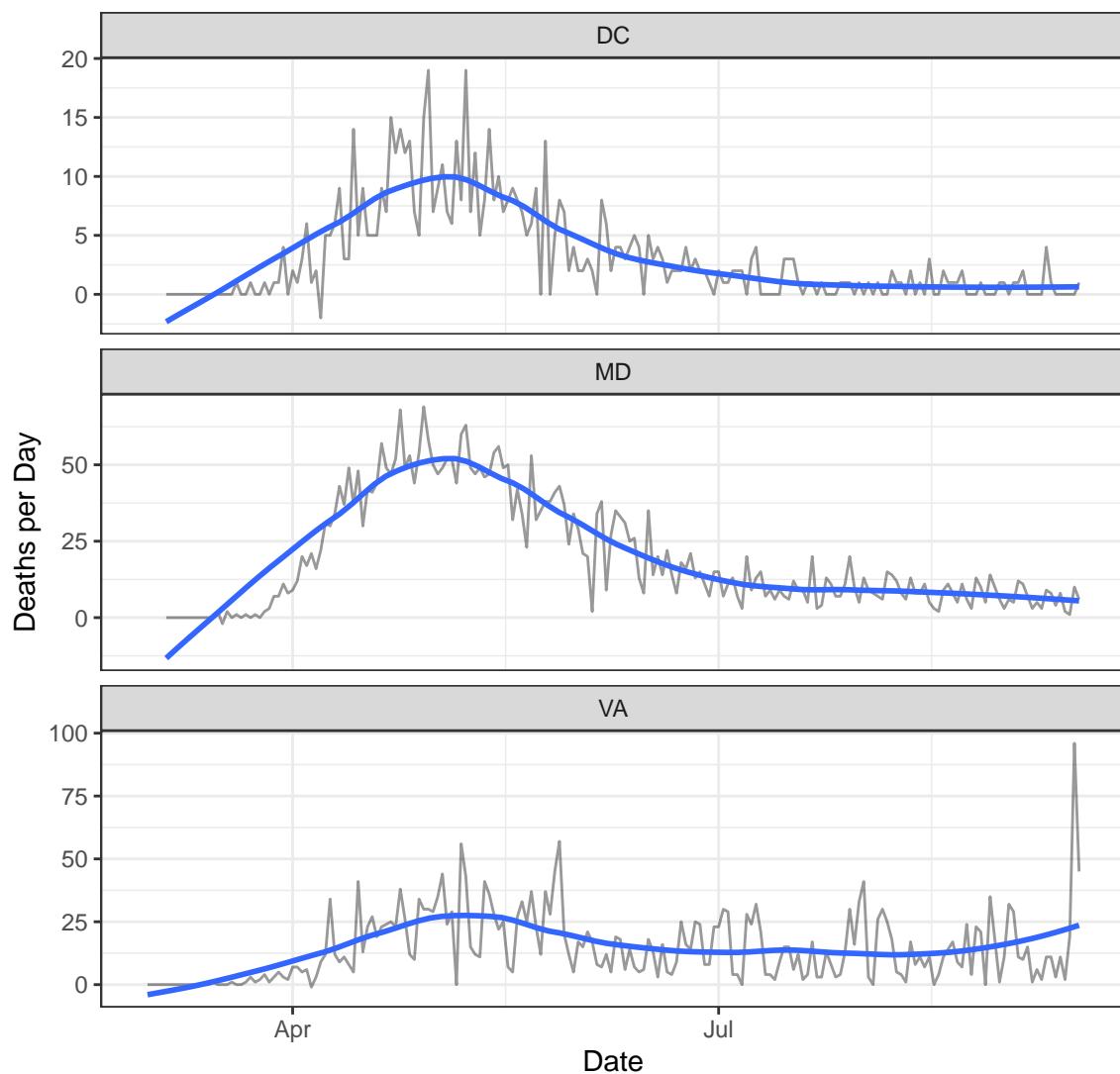
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,743	617	56	1
MD	117,888	3,855	643	6
VA	136,359	2,884	845	45

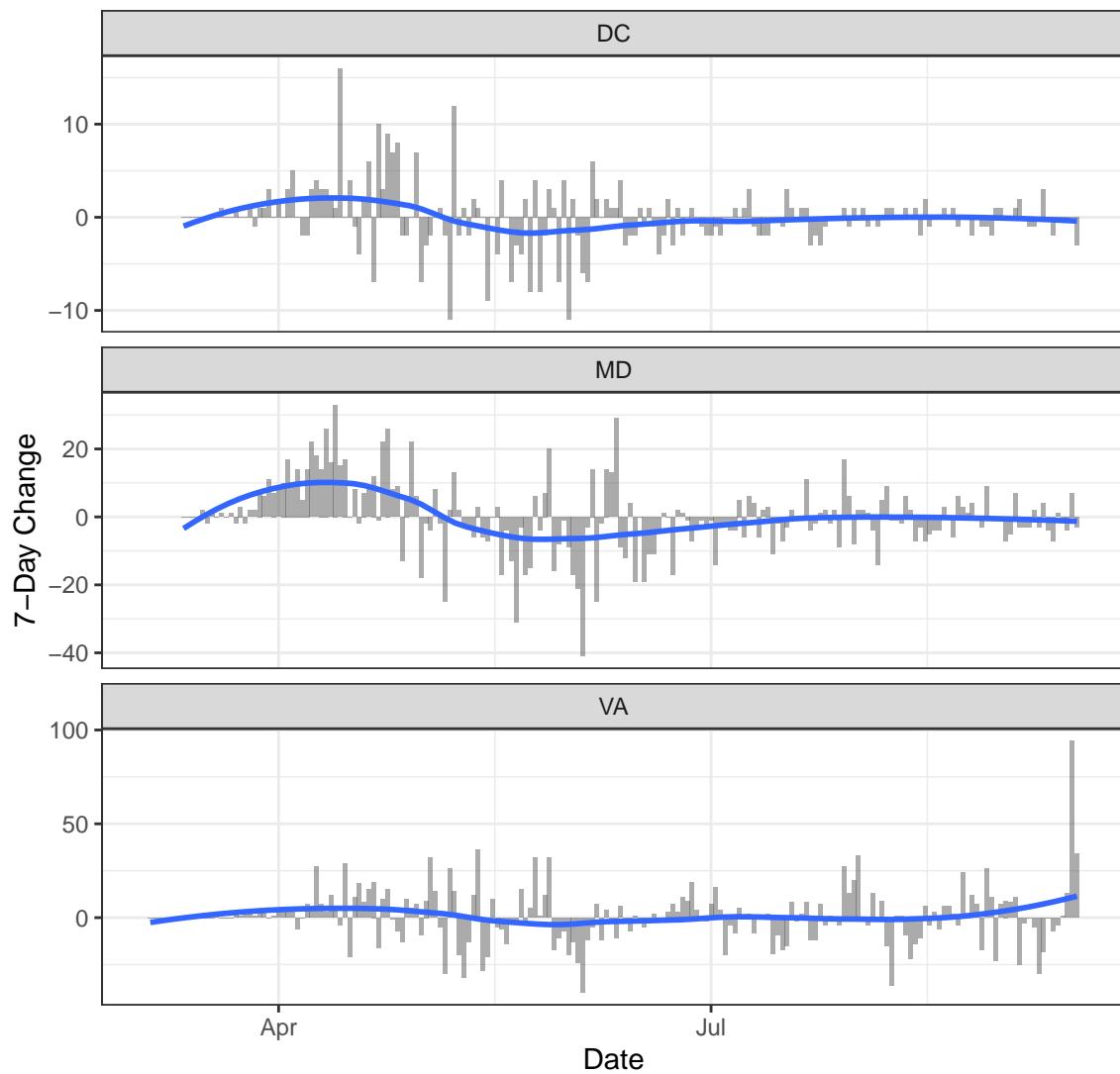
## Deaths

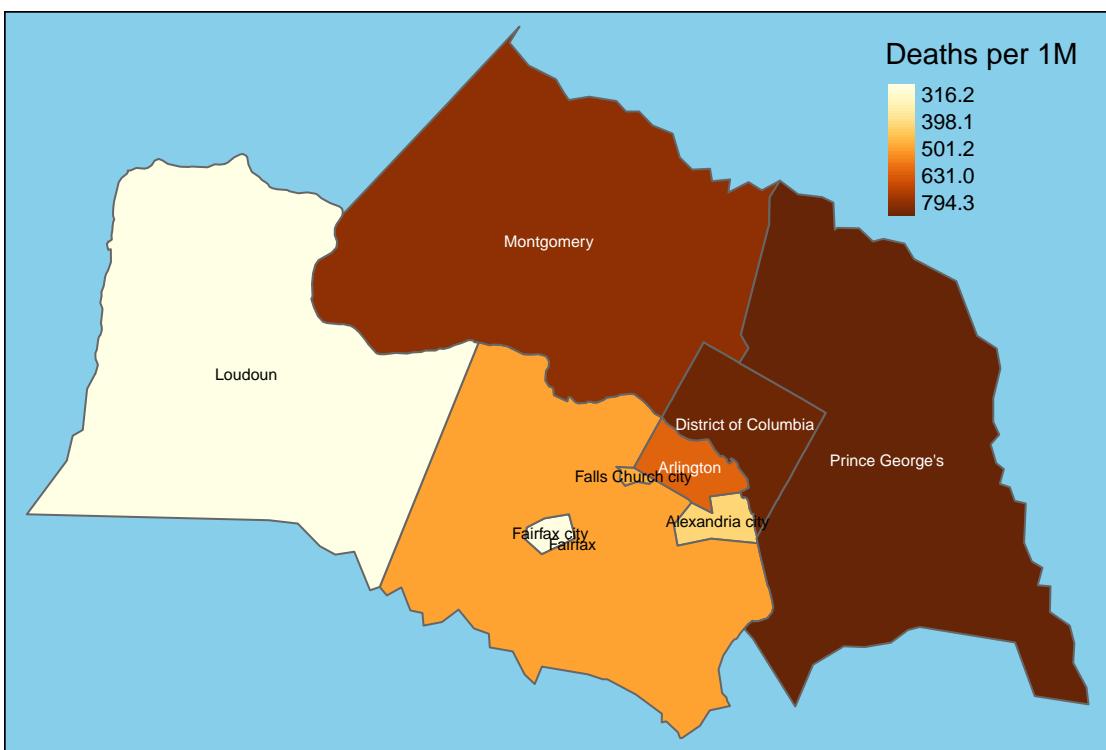
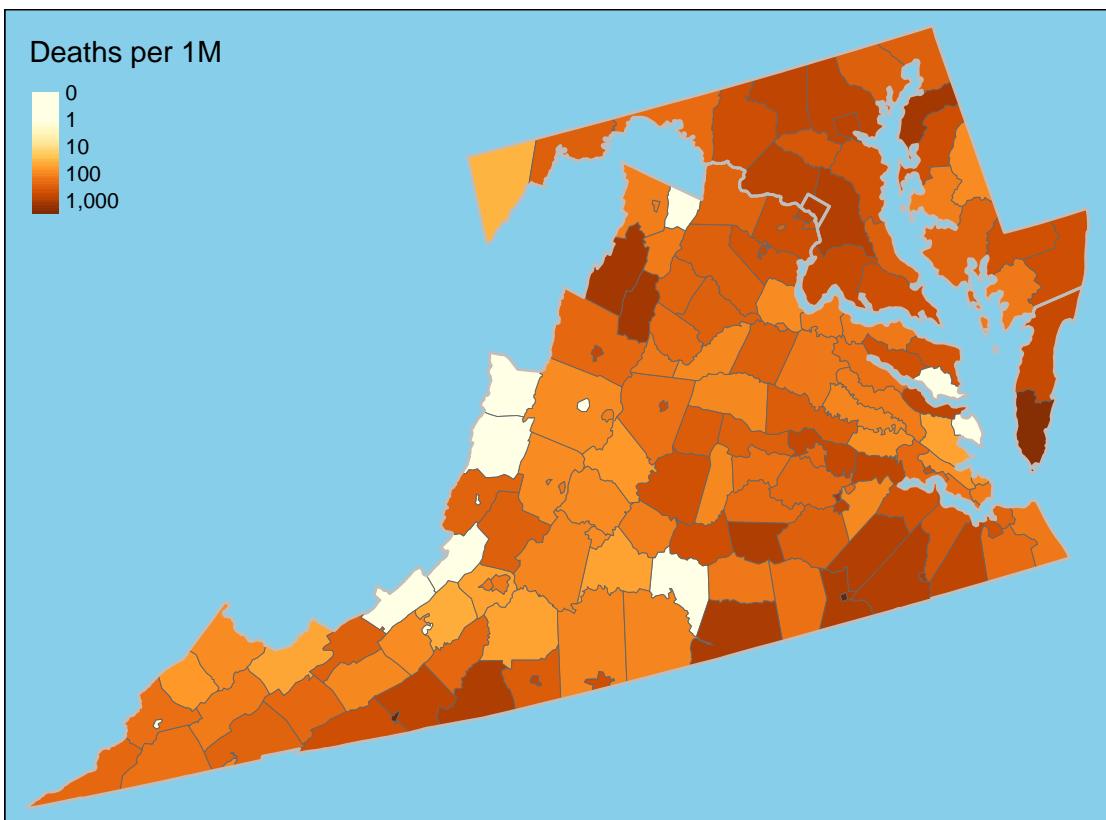


## New Deaths

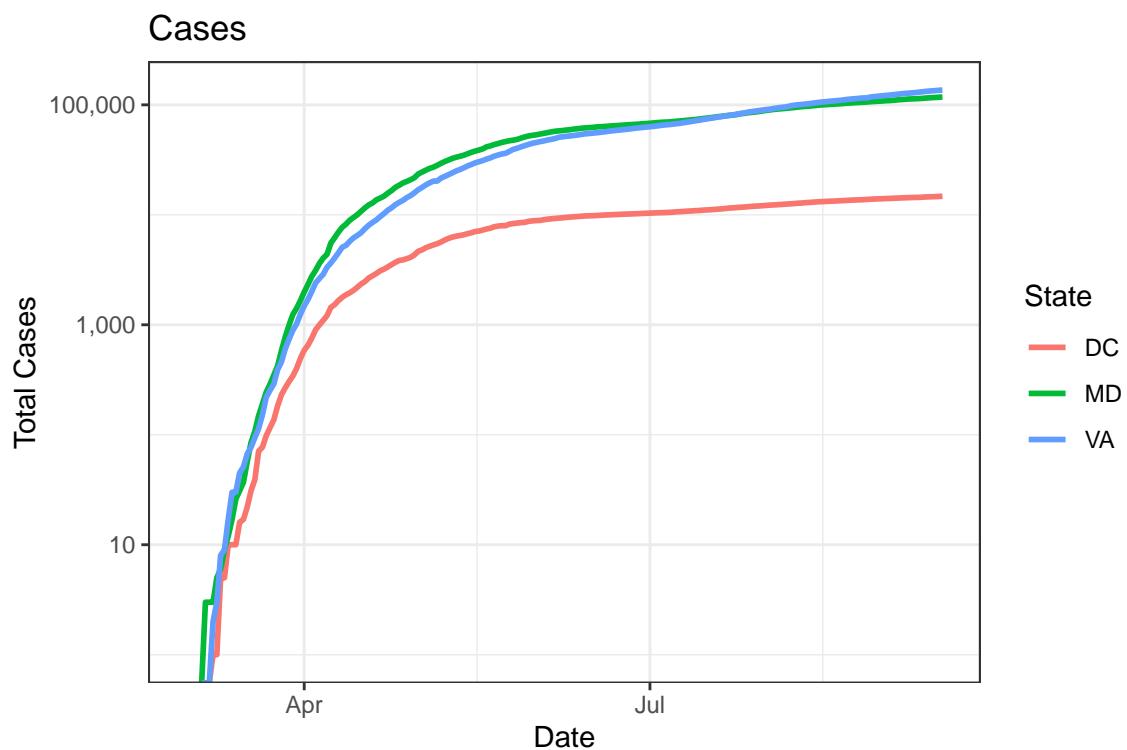


## One-Week Change in Daily Deaths

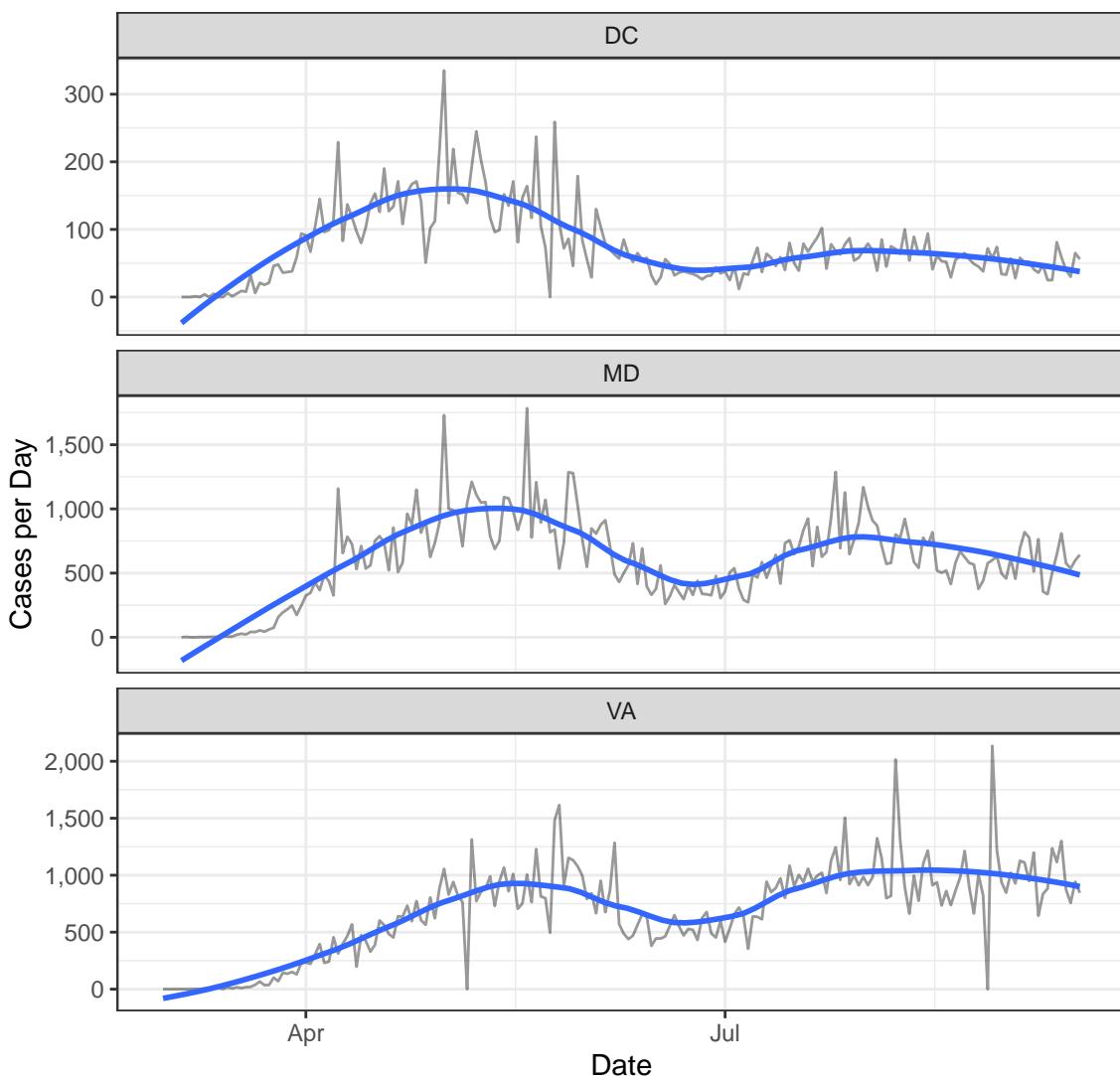




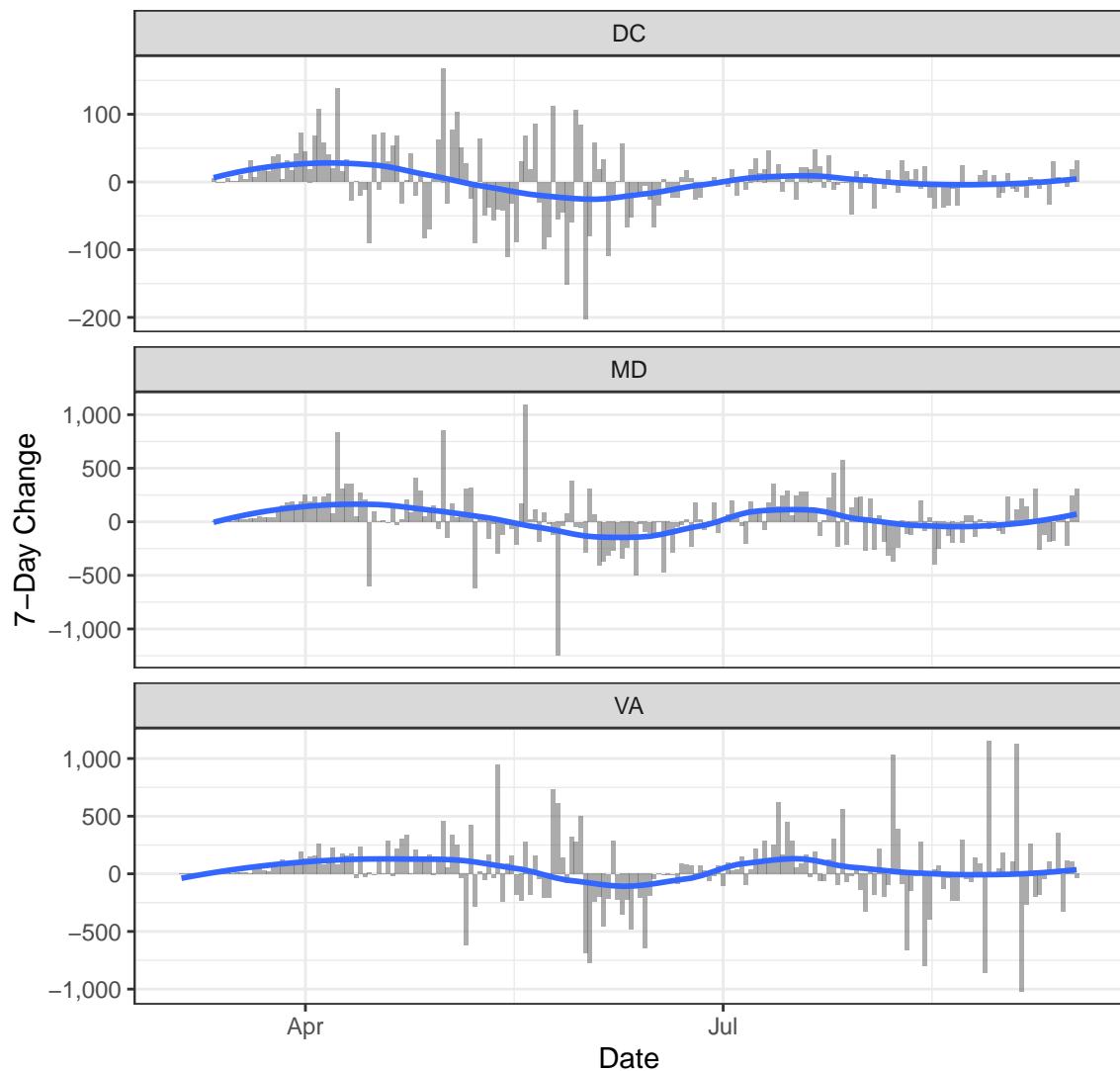
Cases

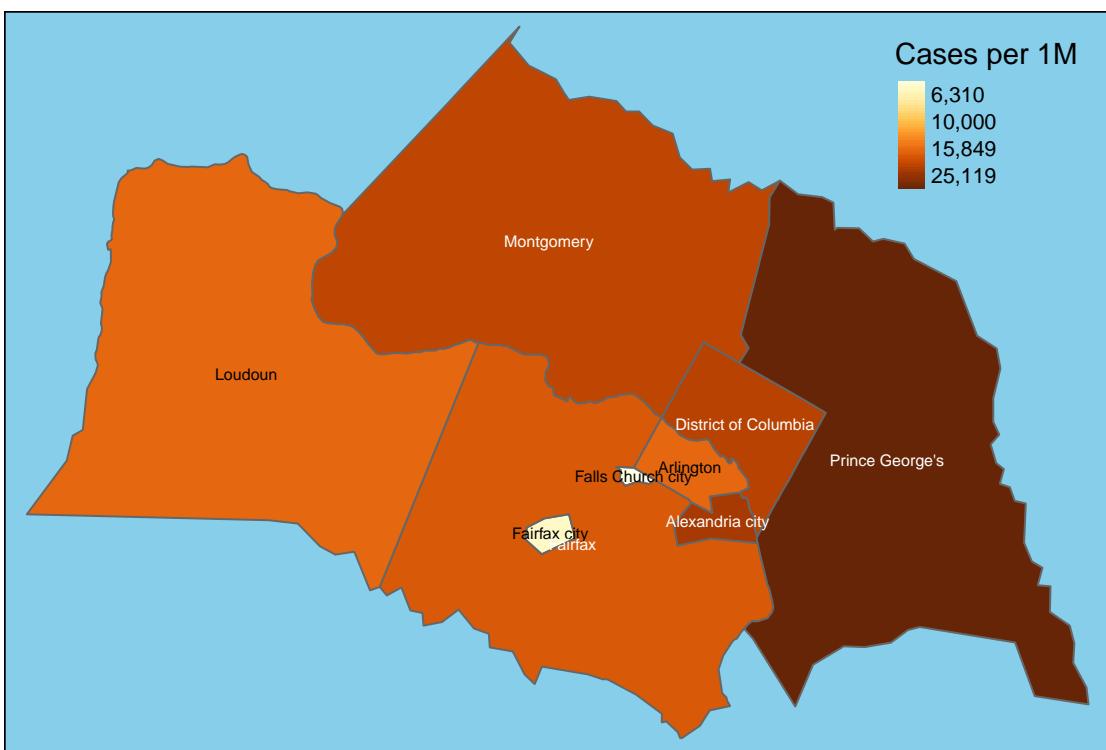
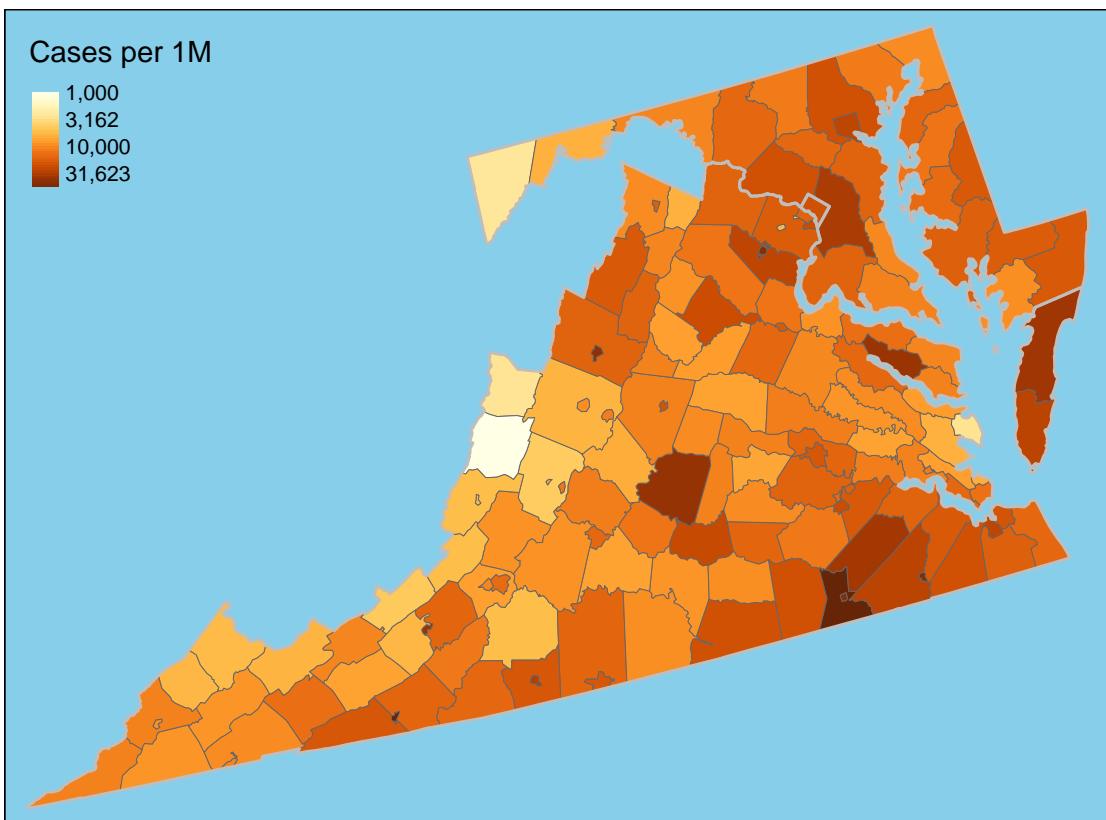


## New Cases

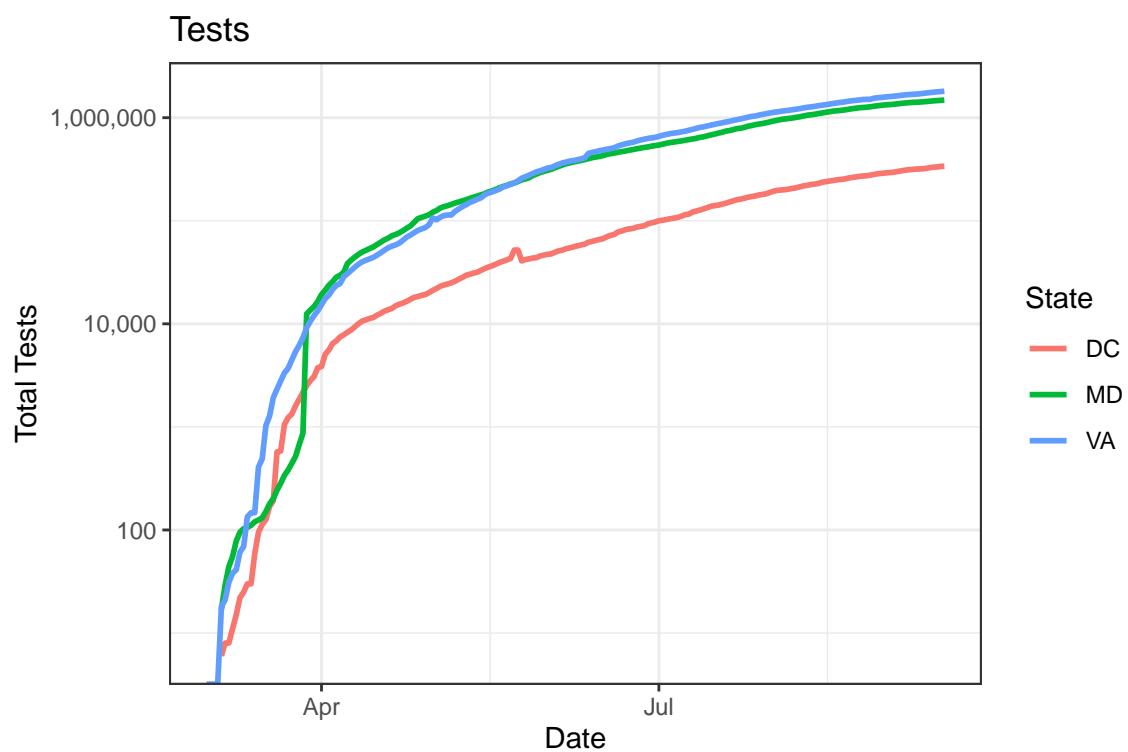


## One-Week Change in Daily Cases

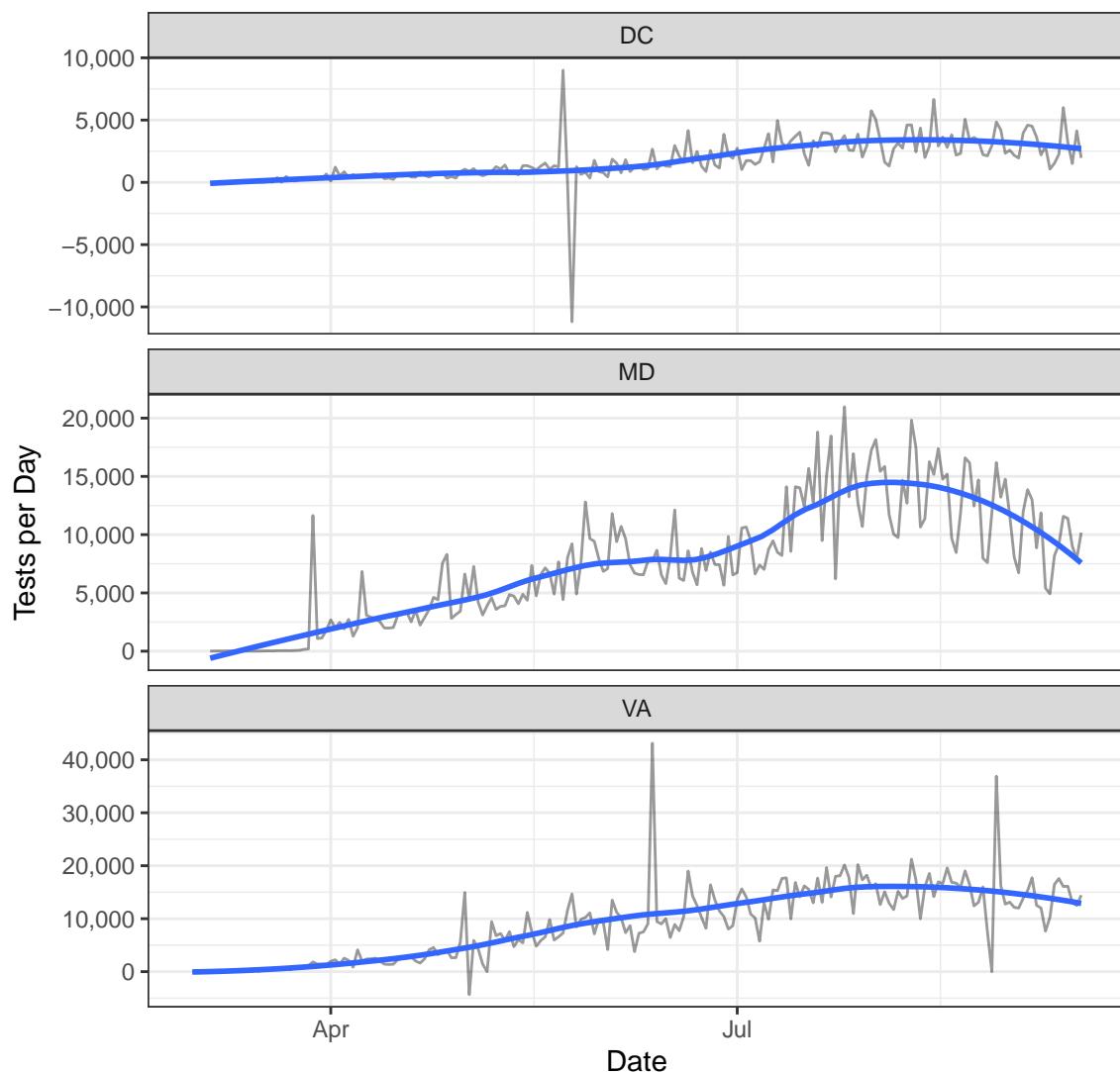




## Testing



## New Tests



## Positive Test Rate

