

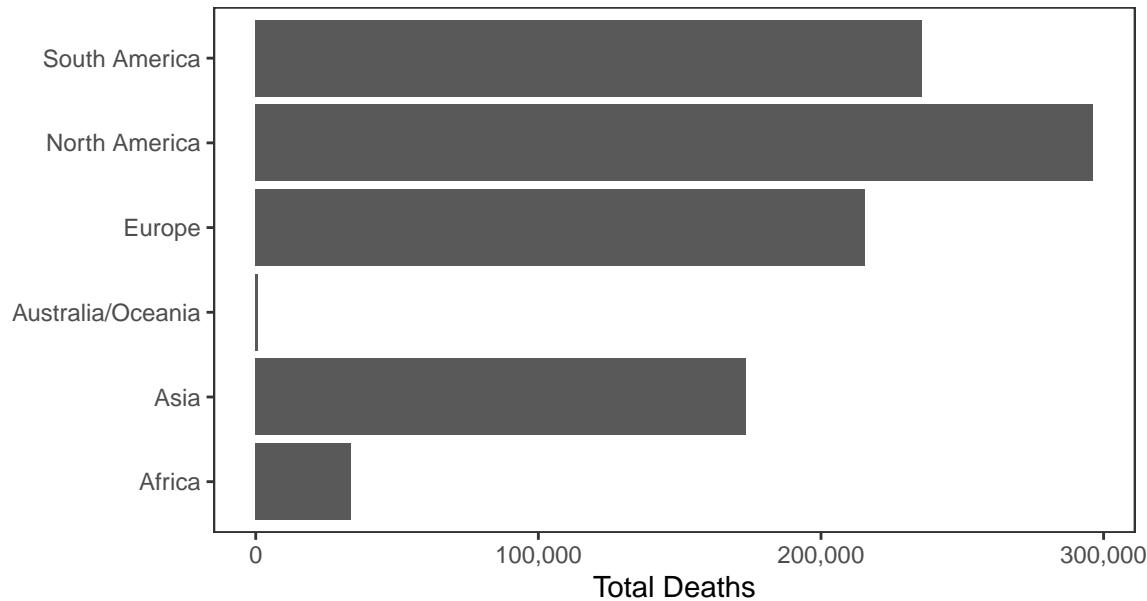
# Erik's Covid-19 Chart Pack

Data updated 2020-09-19 08:45:12. 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 30,686,471 confirmed Covid-19 cases and 955,735 deaths worldwide.

**Deaths**



**Cases**

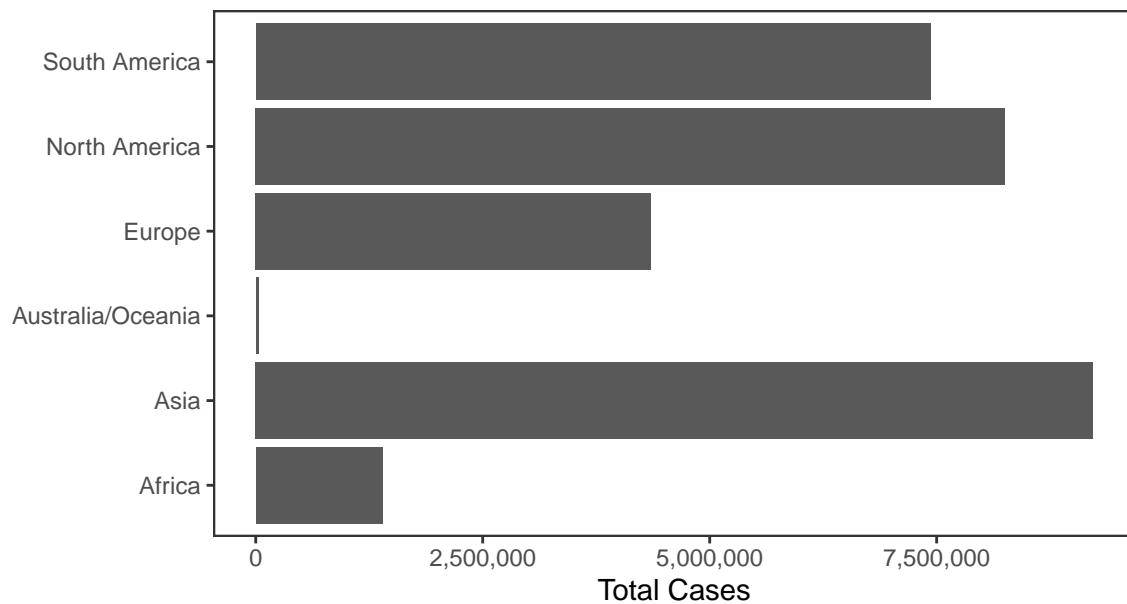
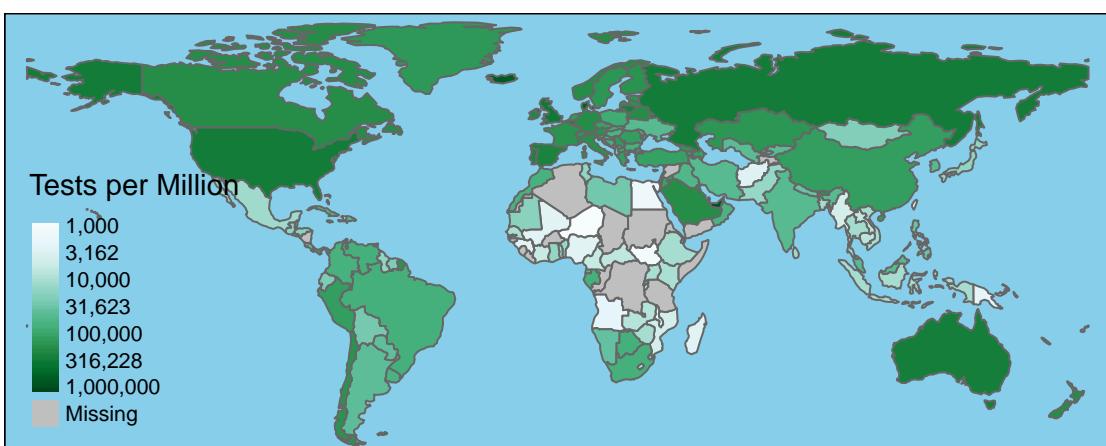
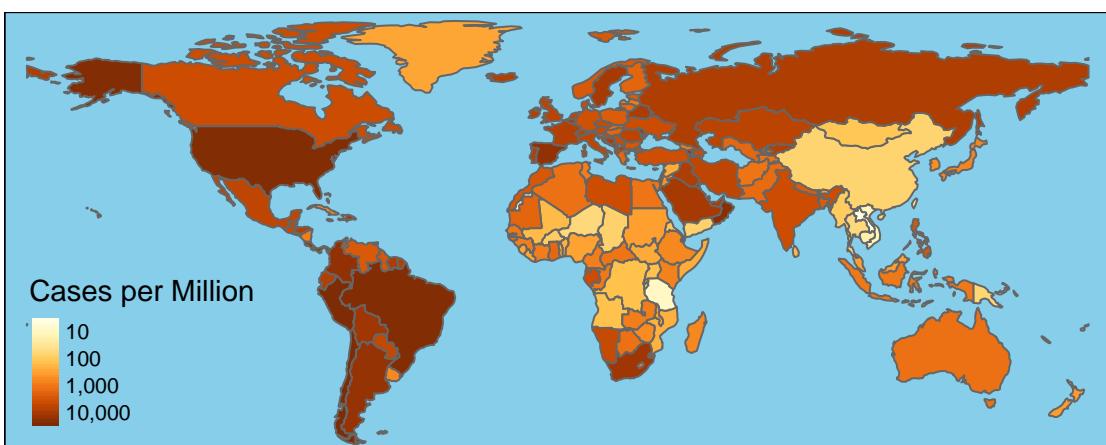
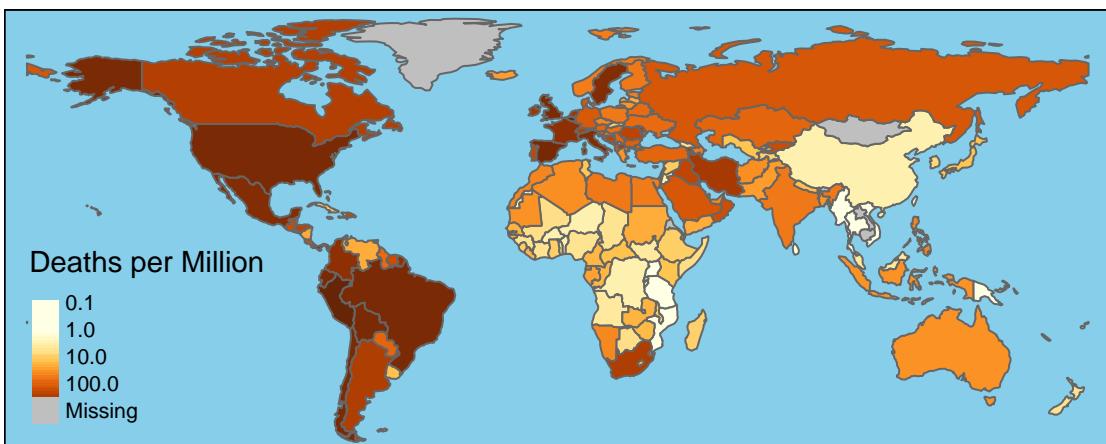


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,925,941	203,171	51,345	958
India	5,305,475	85,625	92,789	1,221
Brazil	4,497,434	135,857	39,991	826
Russia	1,091,186	19,195	5,905	134
Peru	756,412	31,283	6,314	137
Colombia	750,471	23,850	6,526	185
Mexico	684,113	72,179	3,182	201
Spain	659,334	30,495	4,697	90
South Africa	657,627	15,857	2,055	85
Argentina	613,658	12,656	11,945	196
Chile	442,827	12,199	1,677	57
France	428,696	31,249	13,215	154
Iran	416,198	23,952	3,049	144
UK	385,936	41,732	4,322	27
Bangladesh	345,805	4,881	1,541	22
Saudi Arabia	328,720	4,430	576	31
Iraq	311,690	8,408	4,305	76
Pakistan	304,386	6,408	752	9
Turkey	299,810	7,377	1,771	62
Italy	294,932	35,668	1,907	10



## National Data

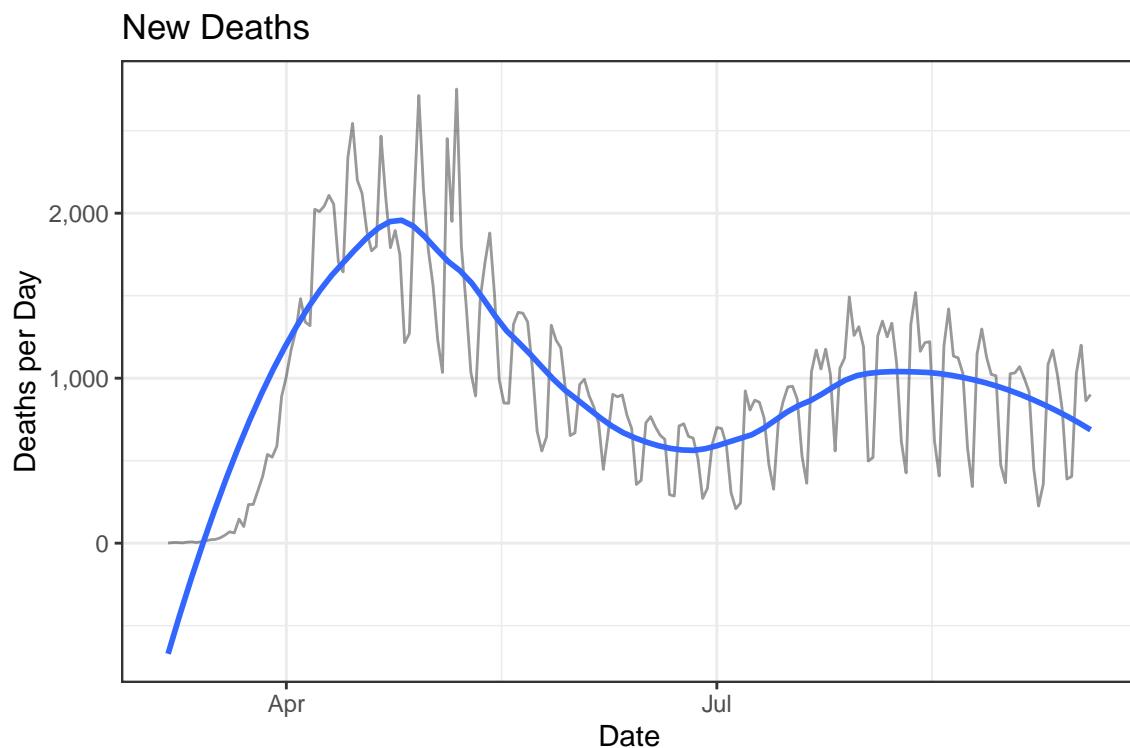
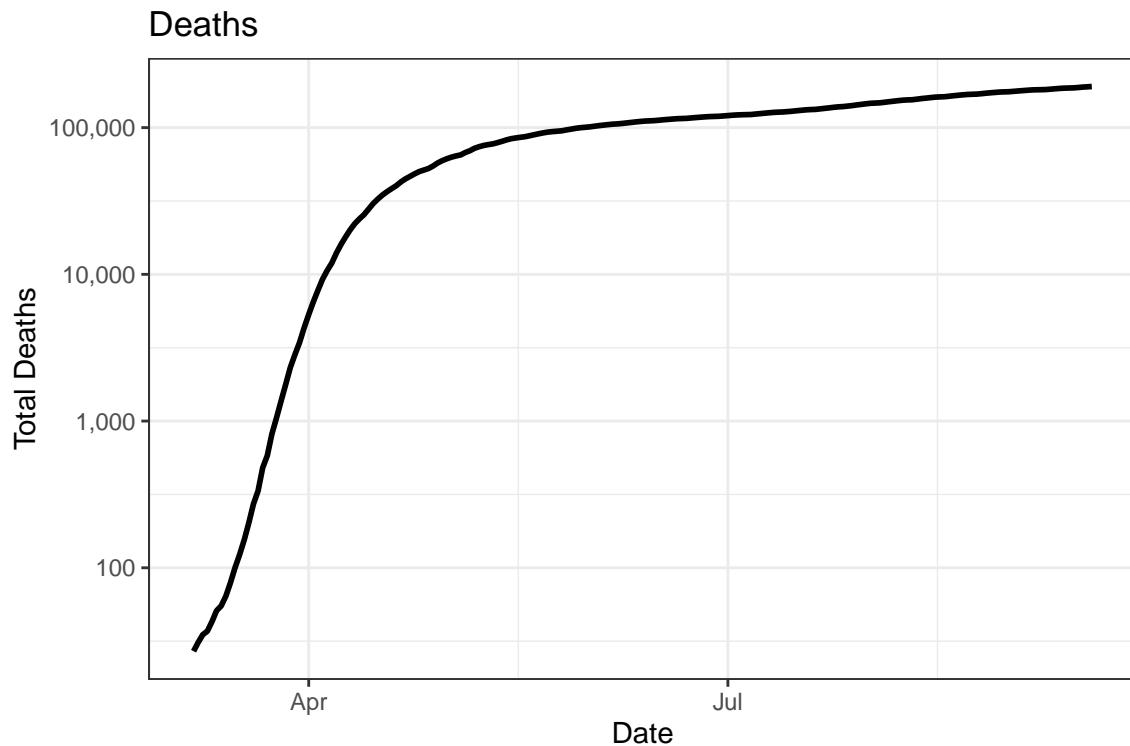
There have been 6,688,827 confirmed Covid-19 cases and 190,566 deaths in the United States.

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

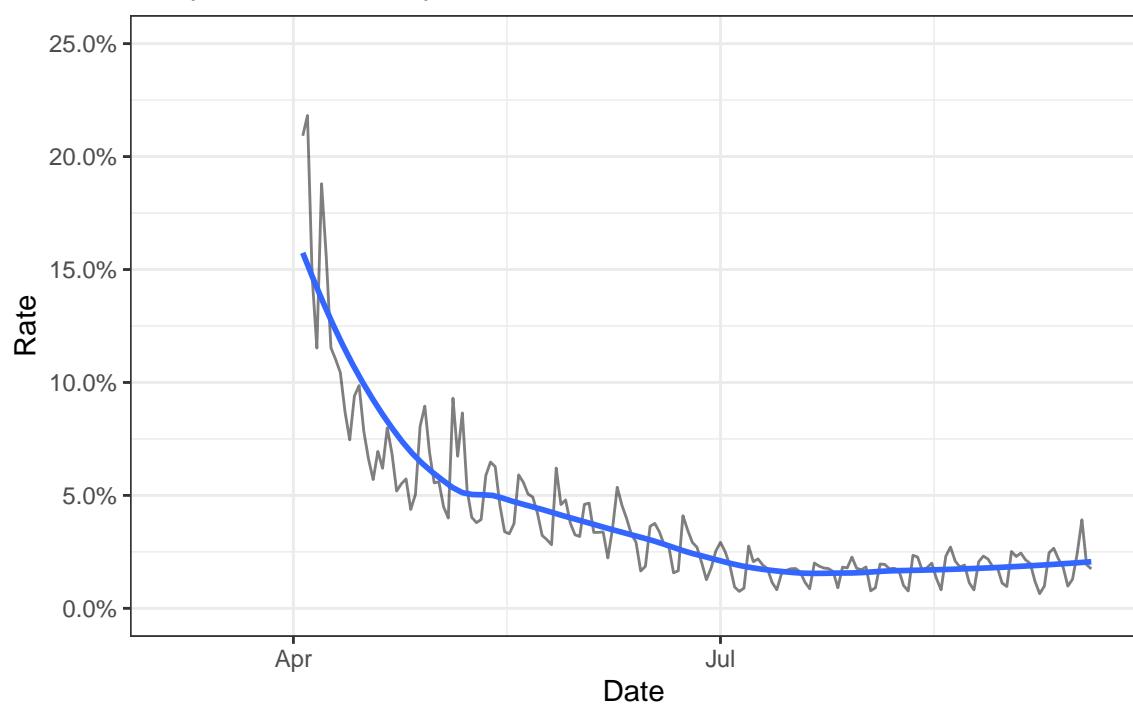
Date	Cases	Deaths	New Cases	New Deaths
2020-09-18	6,688,827	190,566	47,486	901
2020-09-17	6,641,341	189,665	43,558	863
2020-09-16	6,597,783	188,802	40,021	1,200
2020-09-15	6,557,762	187,602	35,445	1,031
2020-09-14	6,522,317	186,571	33,864	404
2020-09-13	6,488,453	186,167	34,453	389
2020-09-12	6,454,000	185,778	42,087	810
2020-09-11	6,411,913	184,968	44,927	1,018
2020-09-10	6,366,986	183,950	37,581	1,170
2020-09-09	6,329,405	182,780	30,983	1,083
2020-09-08	6,298,422	181,697	22,223	358
2020-09-07	6,276,199	181,339	28,682	225
2020-09-06	6,247,517	181,114	33,117	449
2020-09-05	6,214,400	180,665	44,905	918

## Deaths

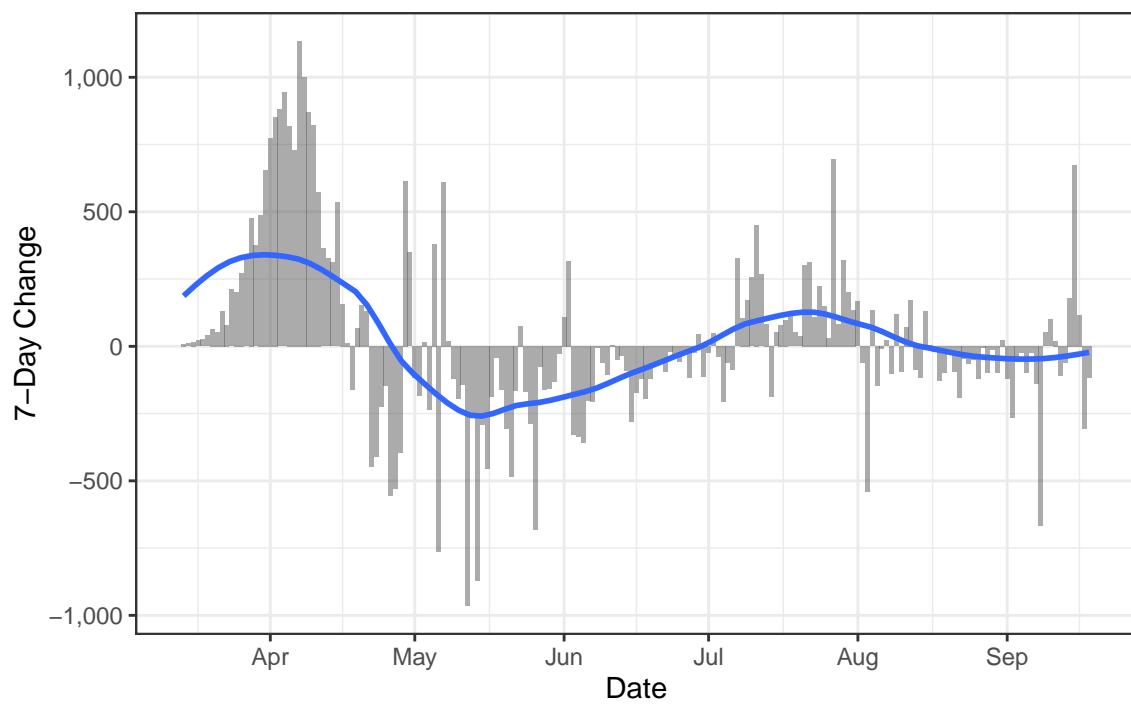
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

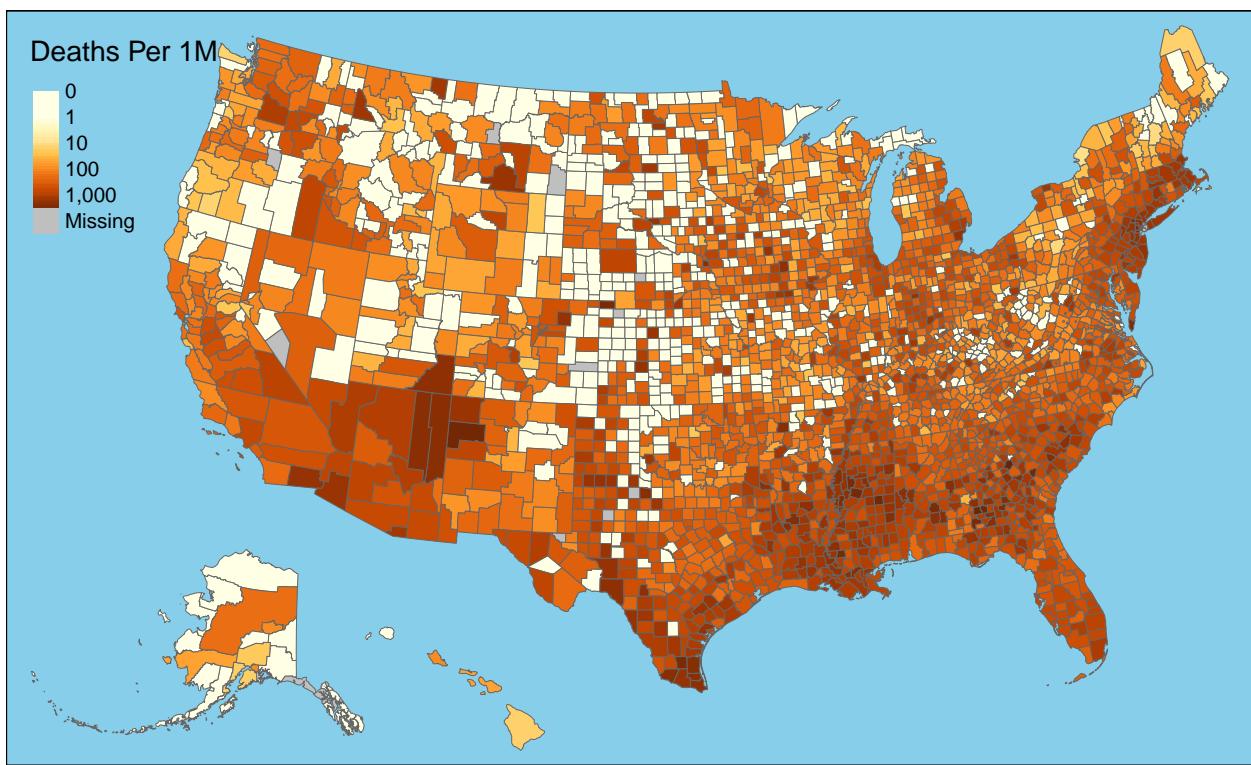


Daily Case Mortality Rate



One-Week Change in Daily Deaths

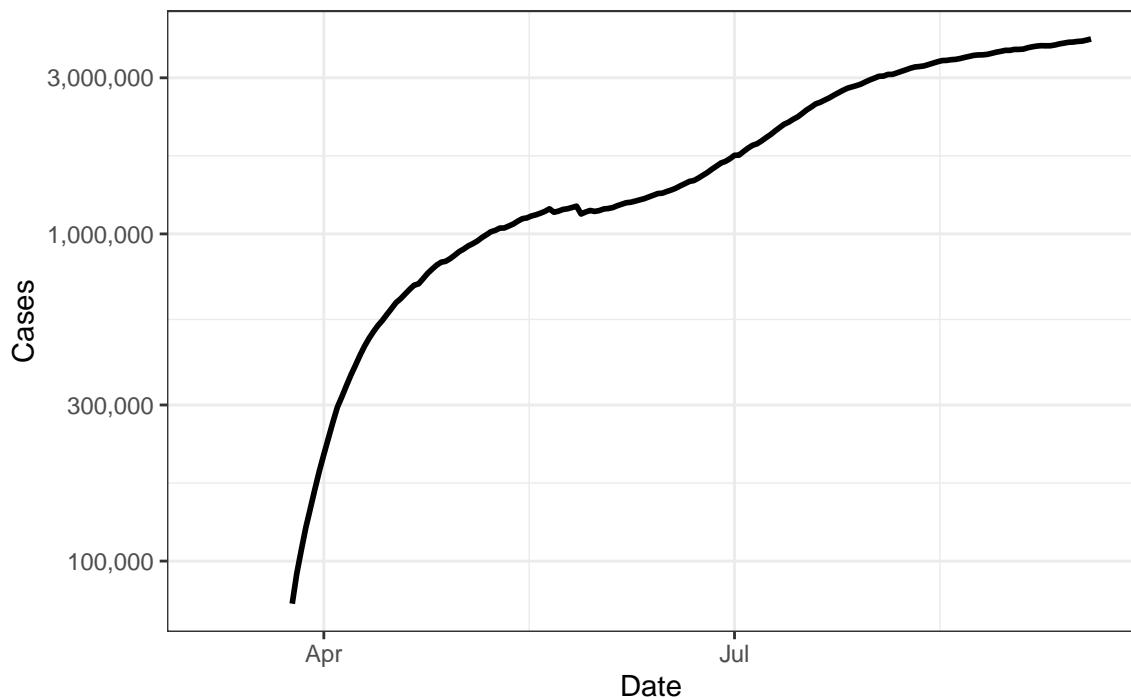




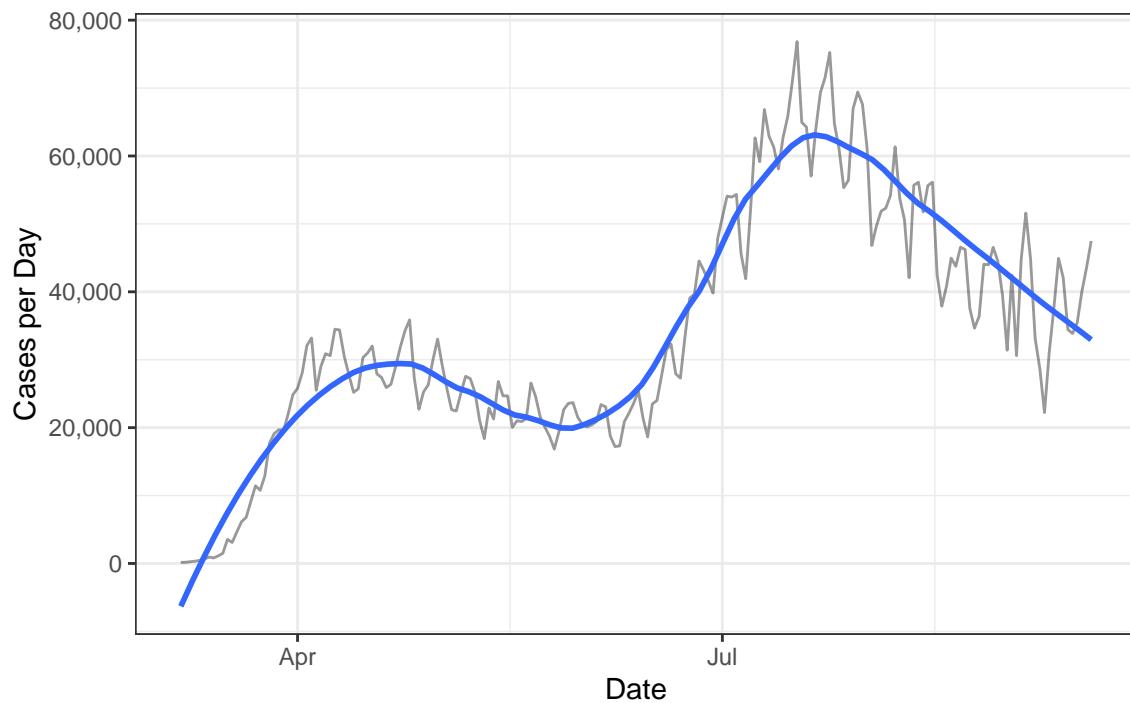
## Cases

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

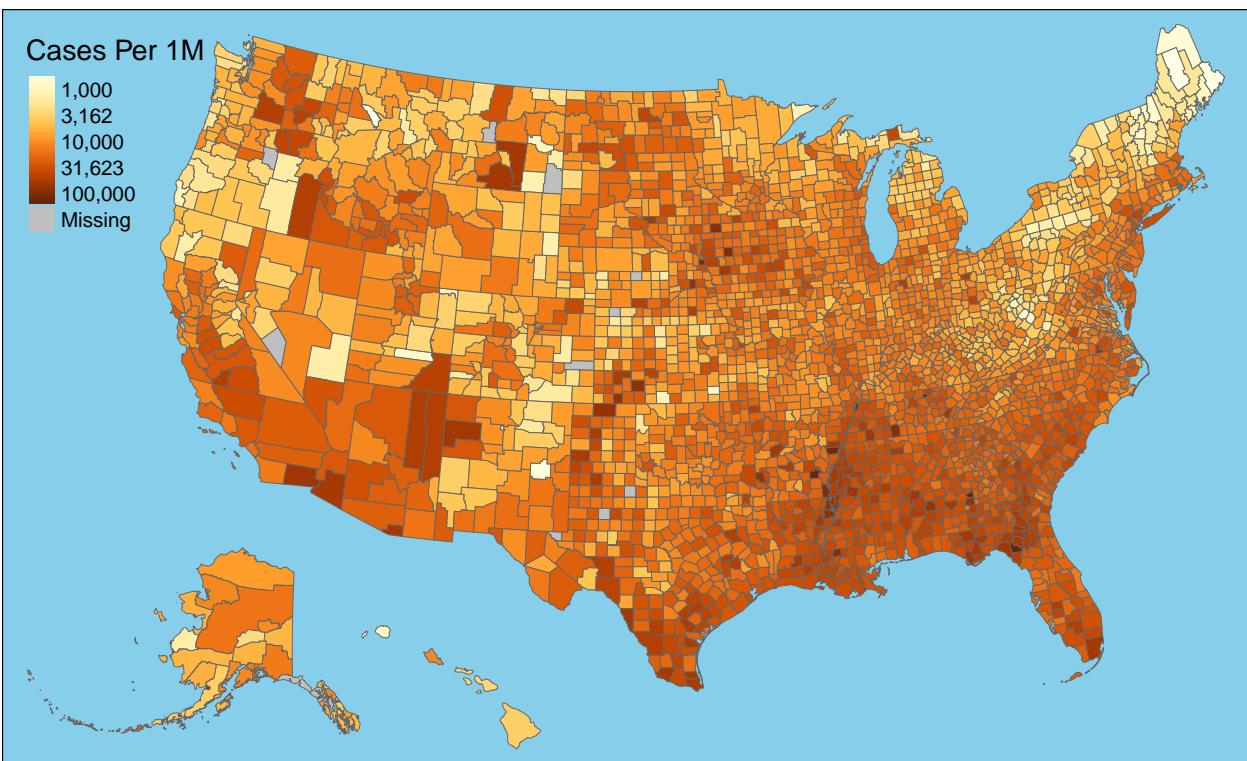
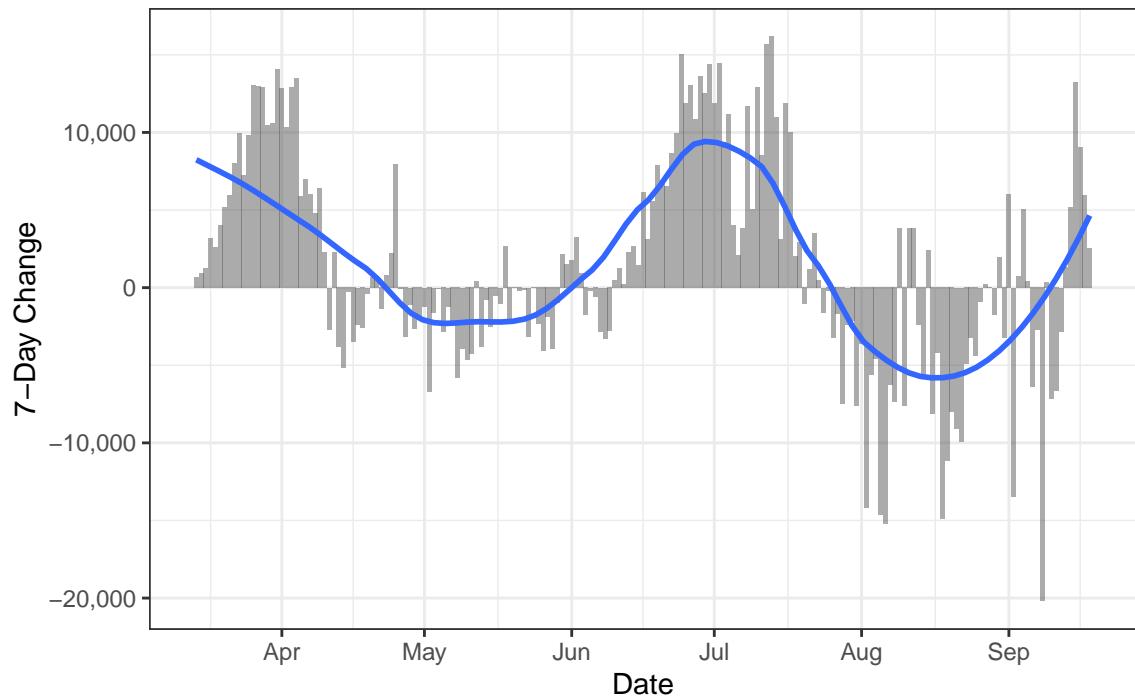
### Active Cases



### New Cases

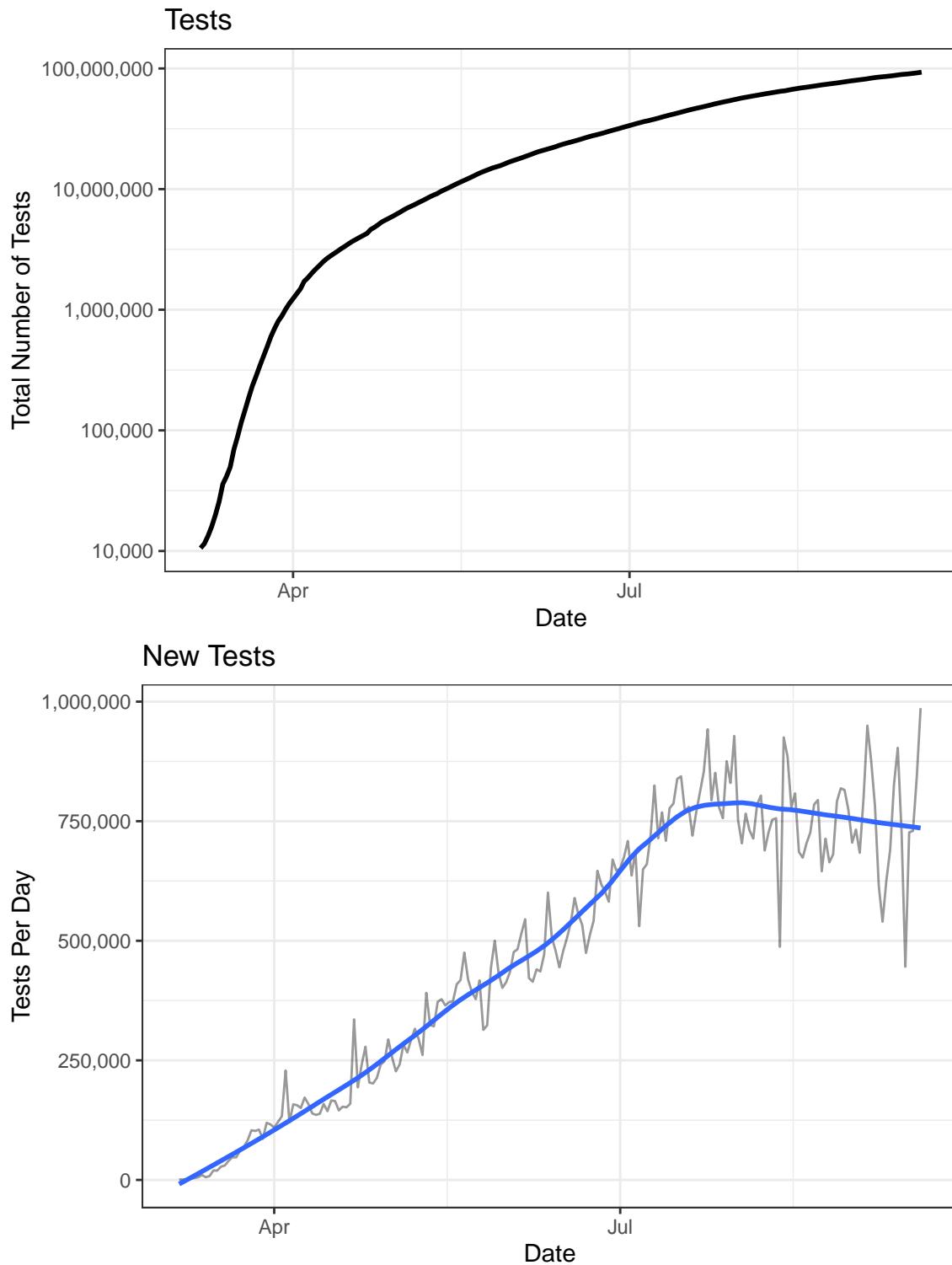


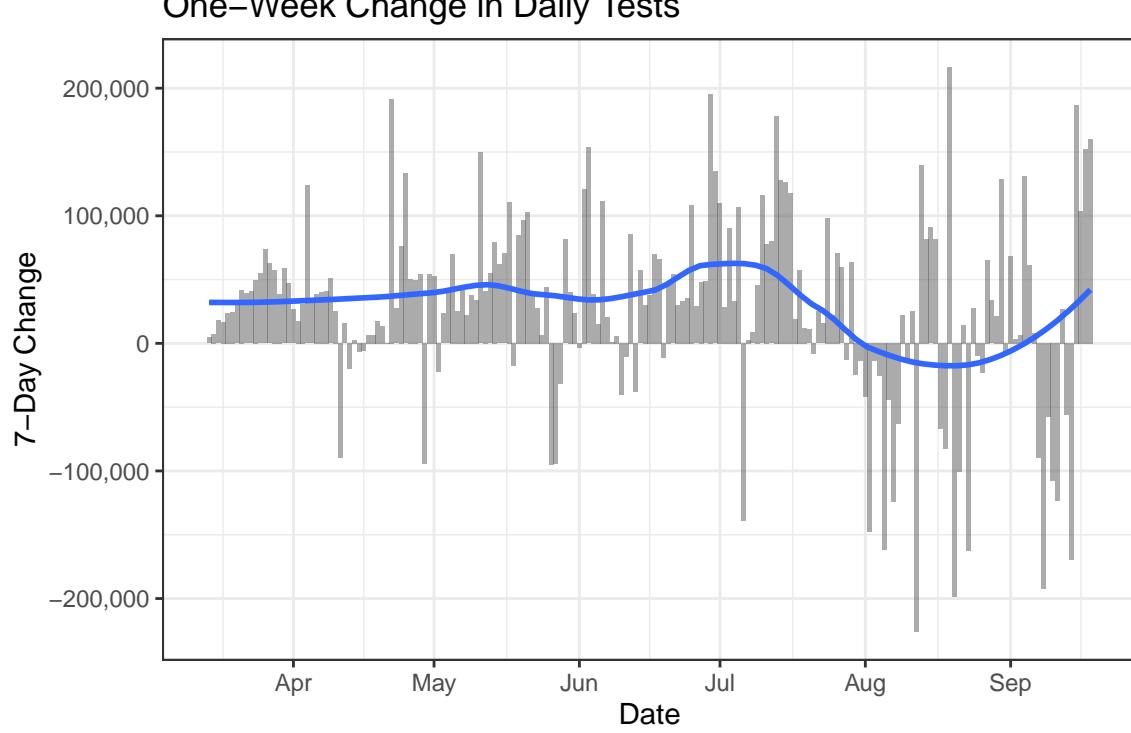
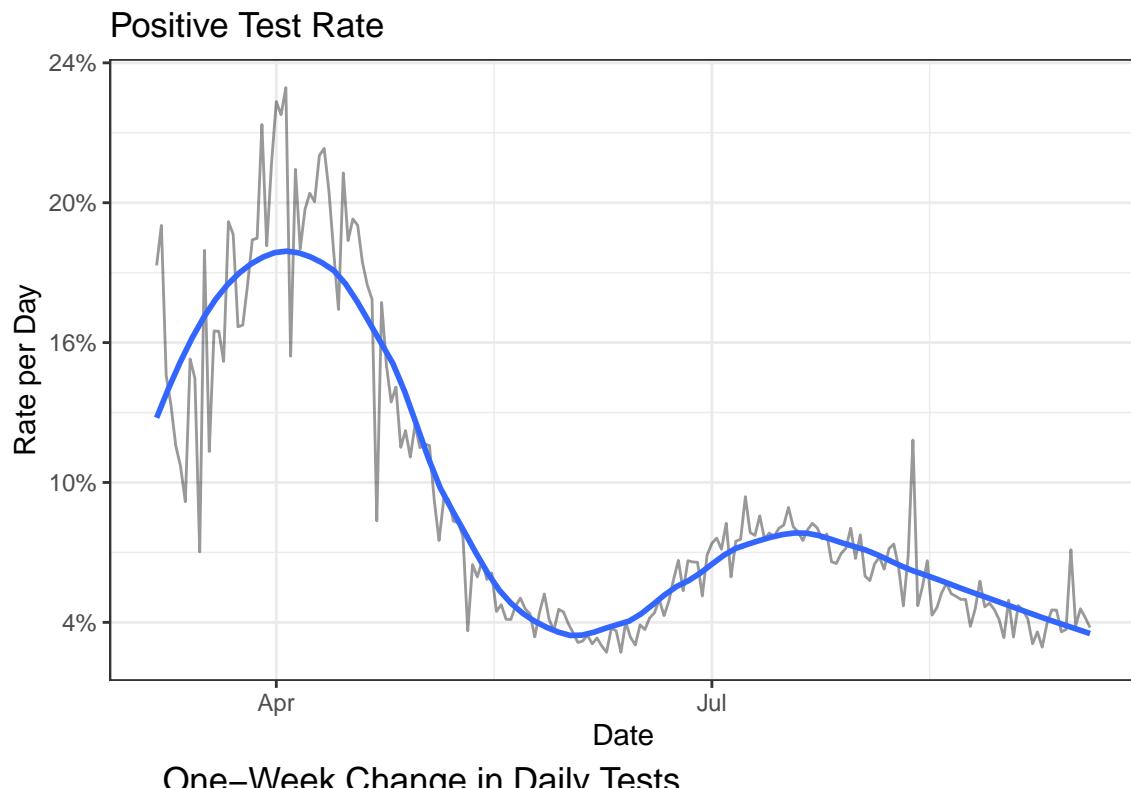
## One-Week Change in Daily Cases



## 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.



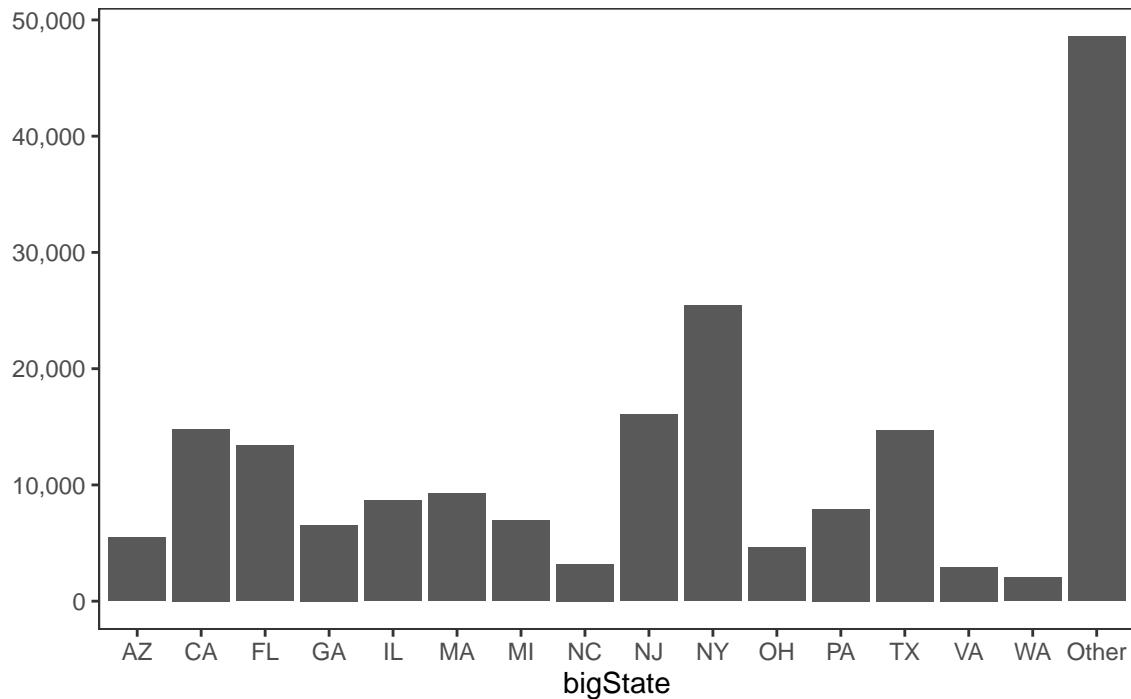


## State Data

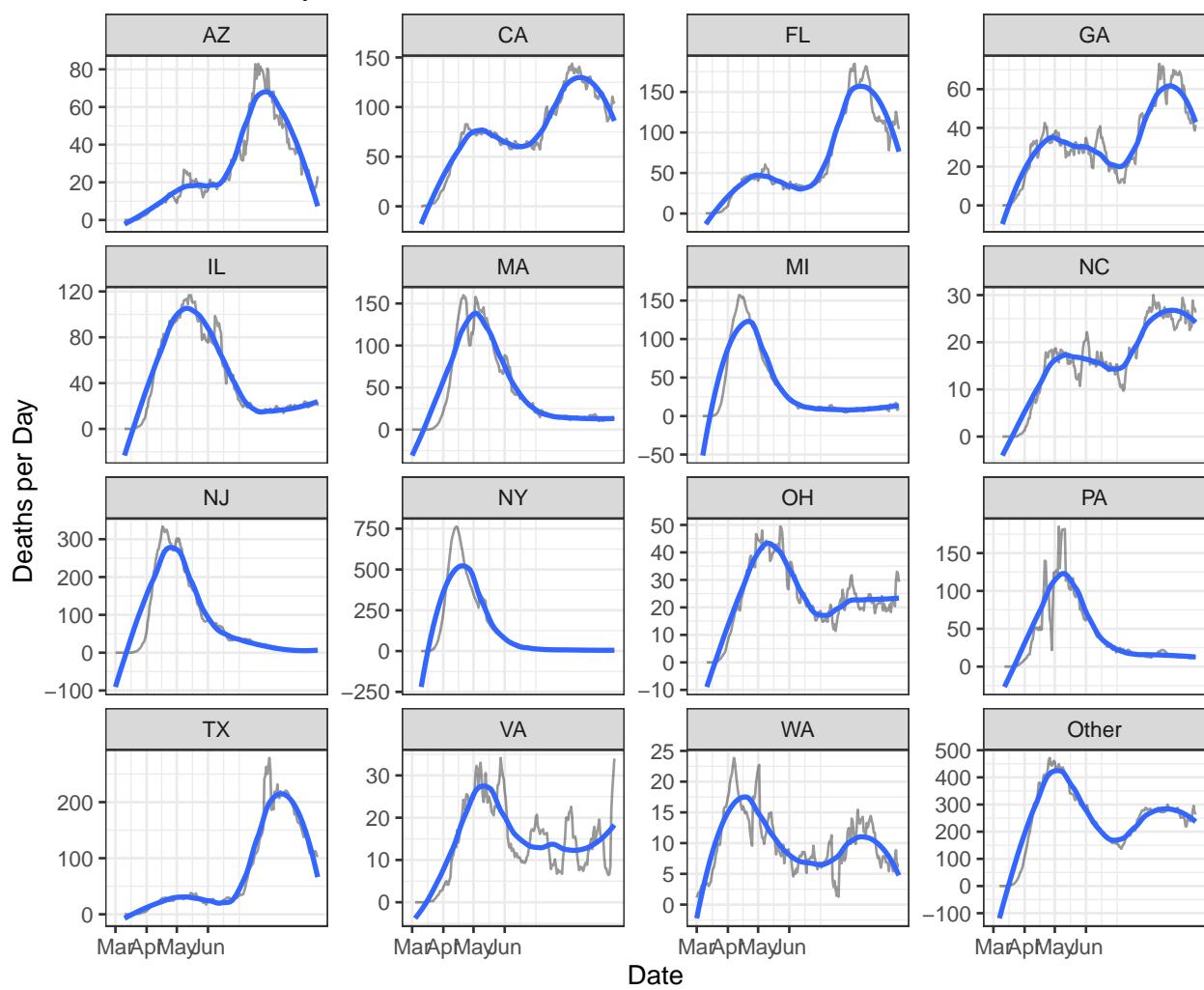
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

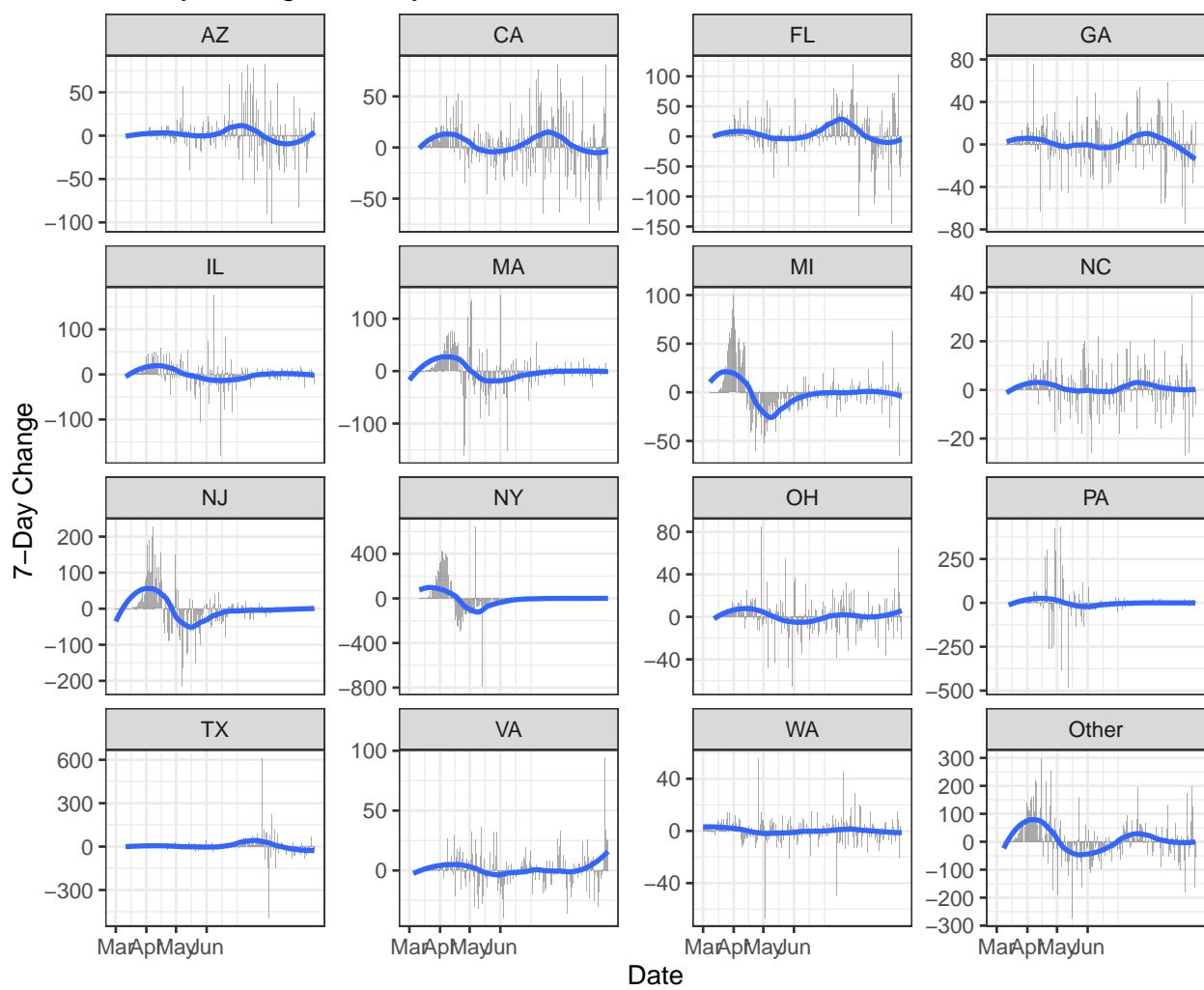
Deaths by State

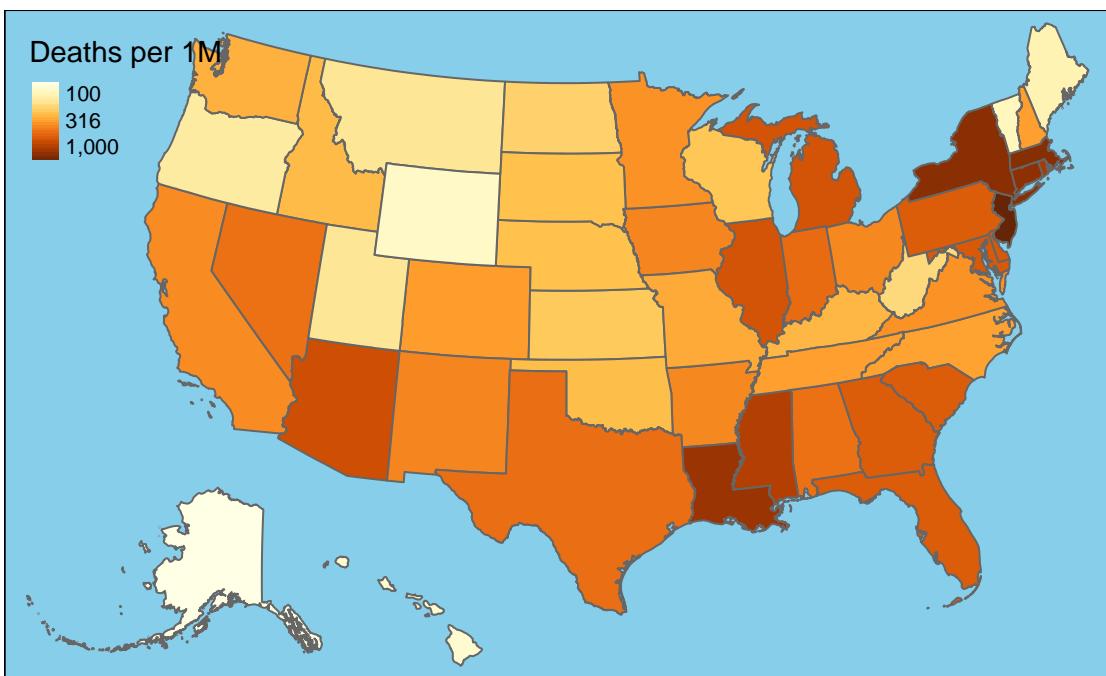
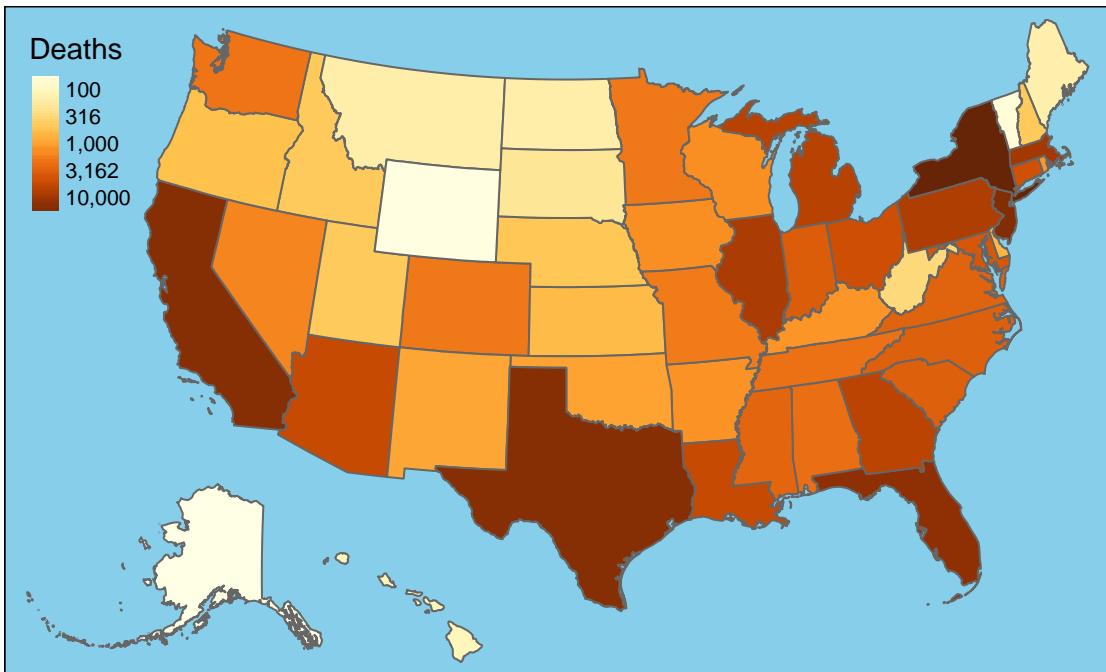


## New Deaths by State



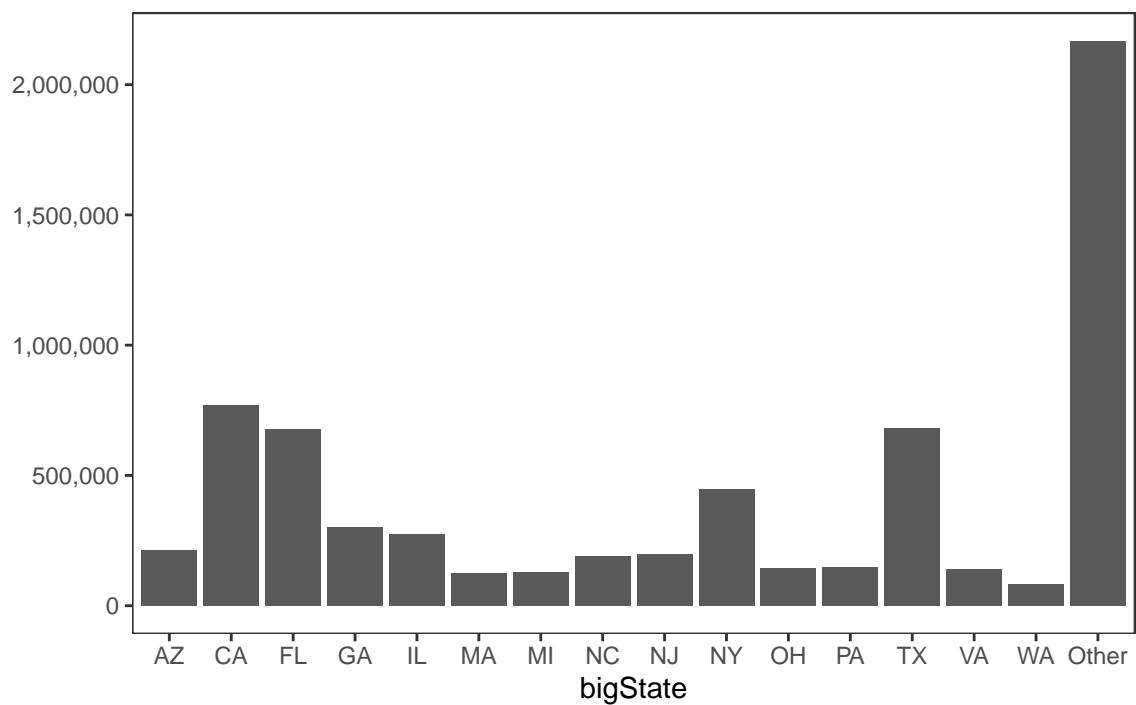
### 7-Day Change in Daily Deaths



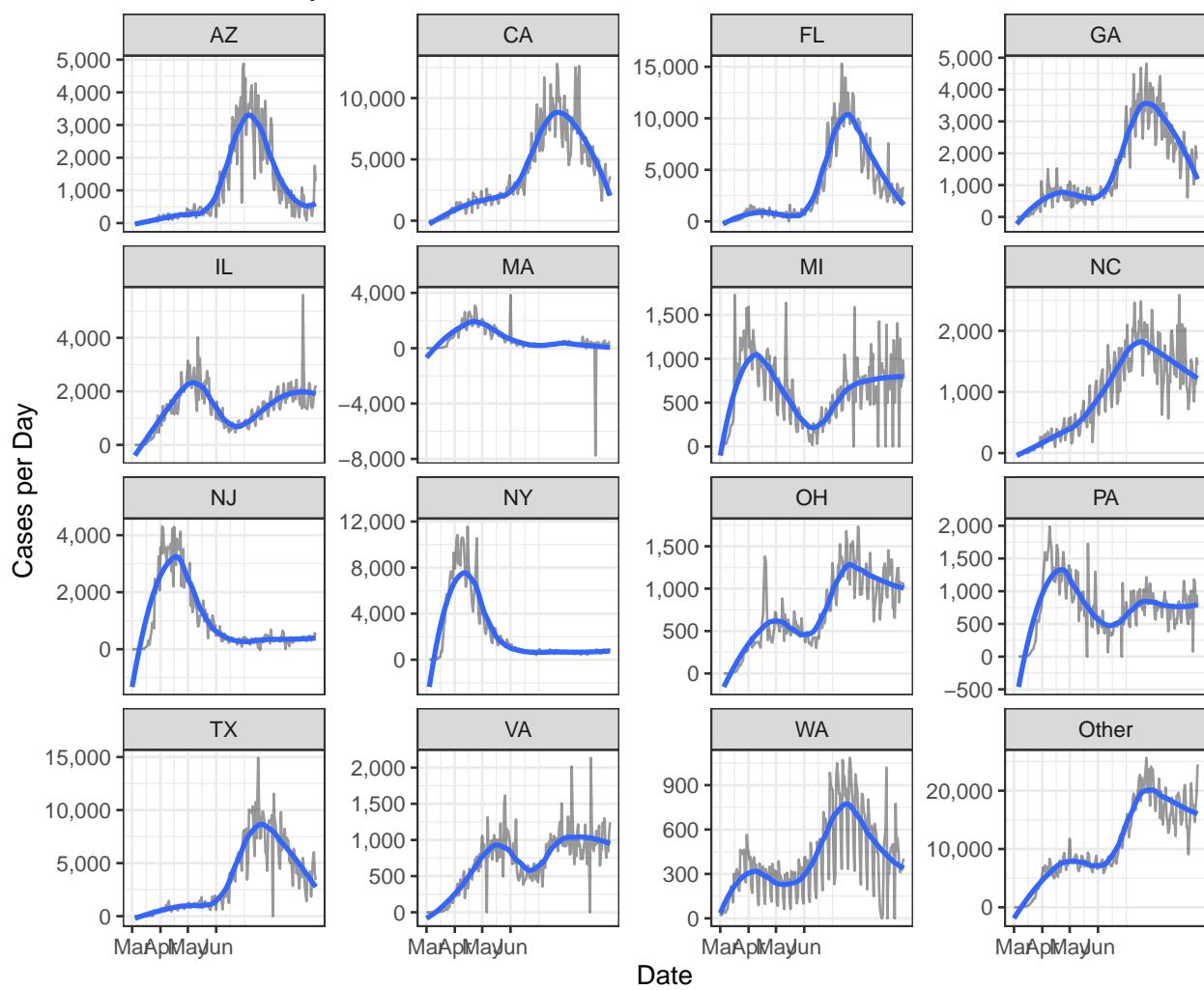


Cases

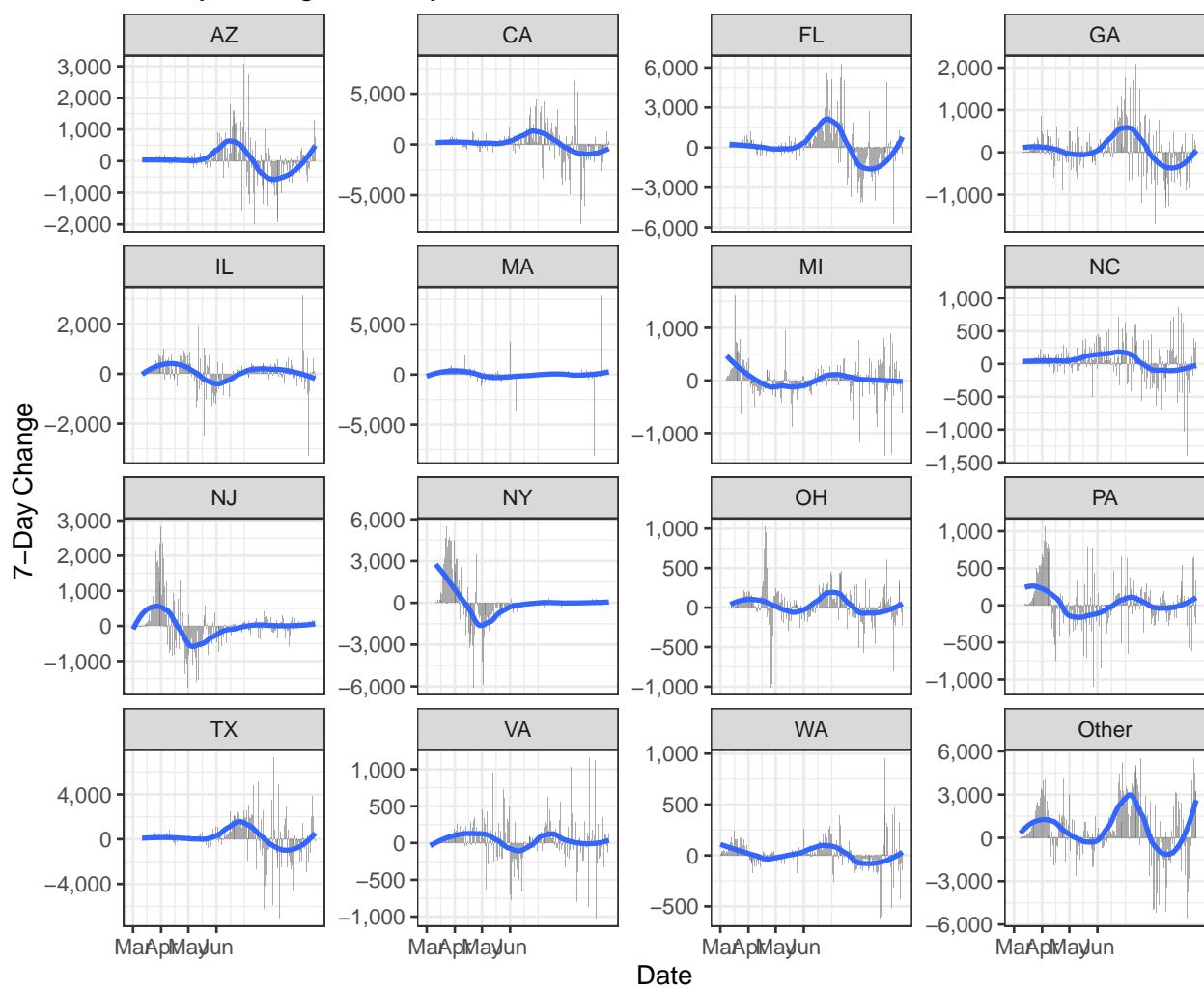
Cases by State

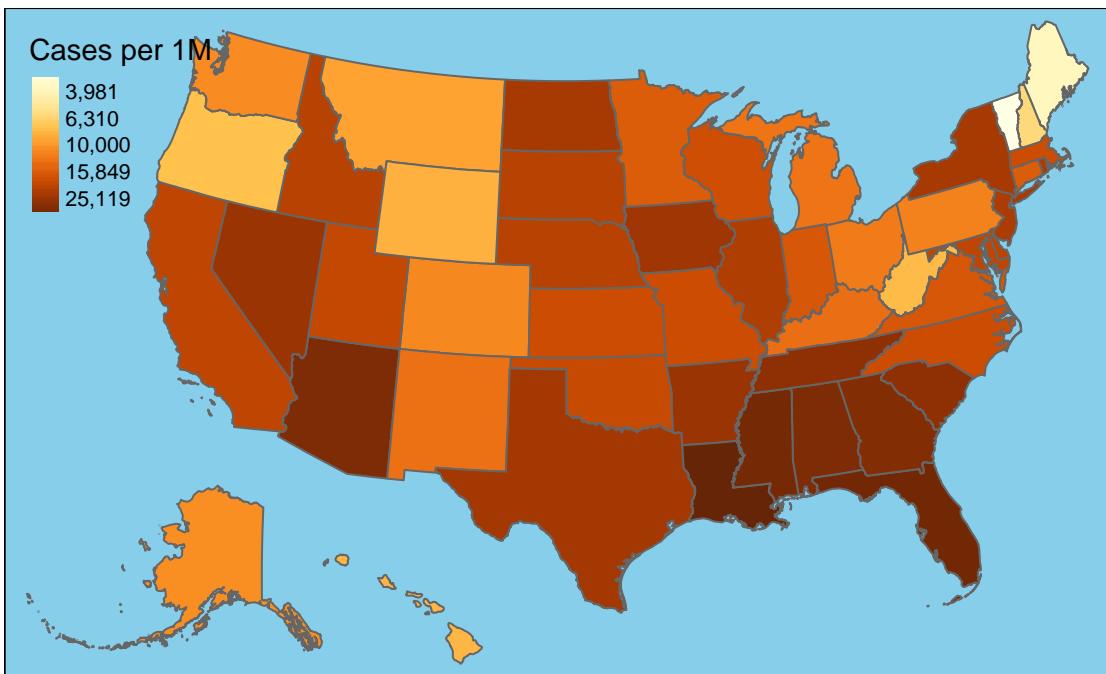
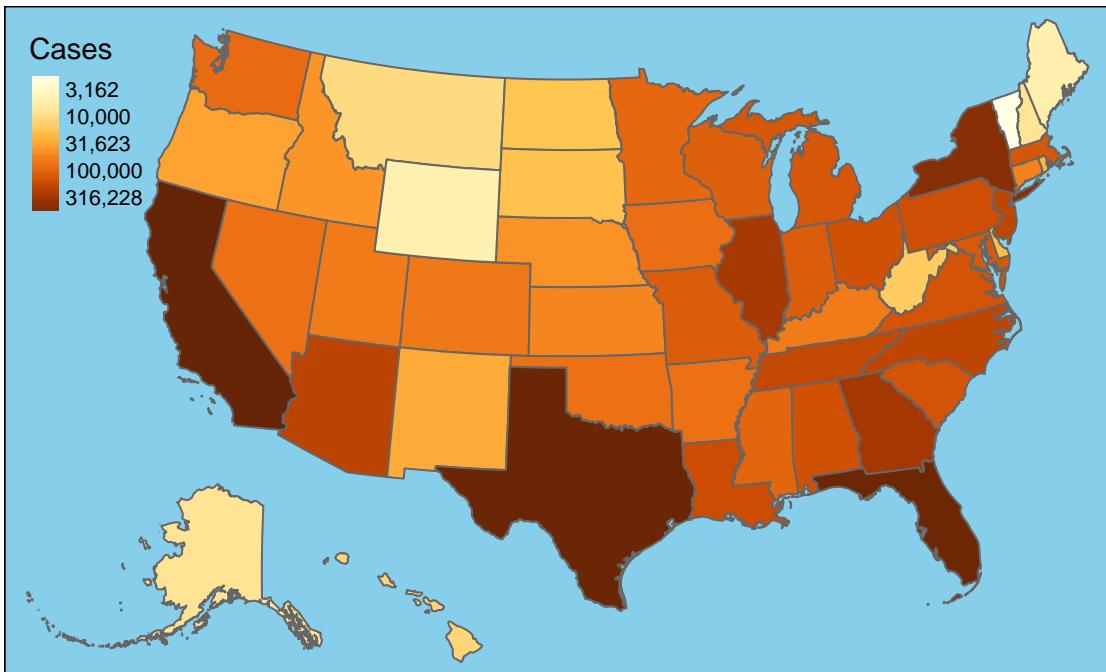


## New Cases by State

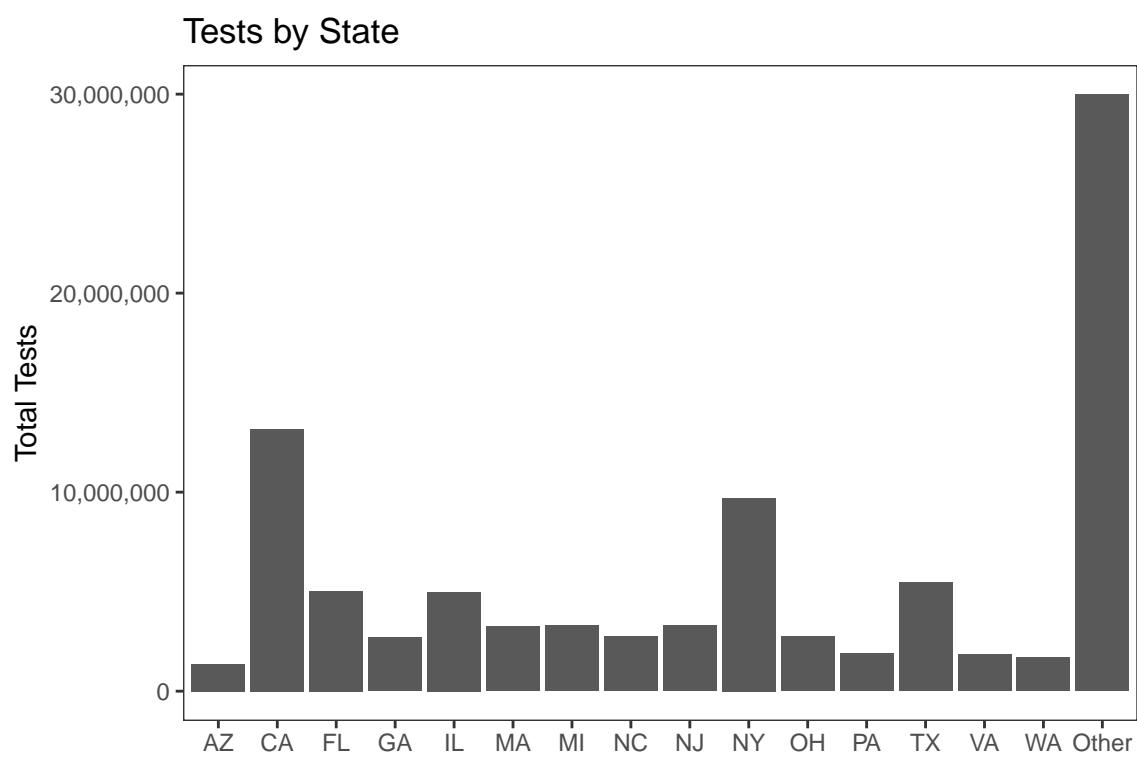


### 7-Day Change in Daily Cases

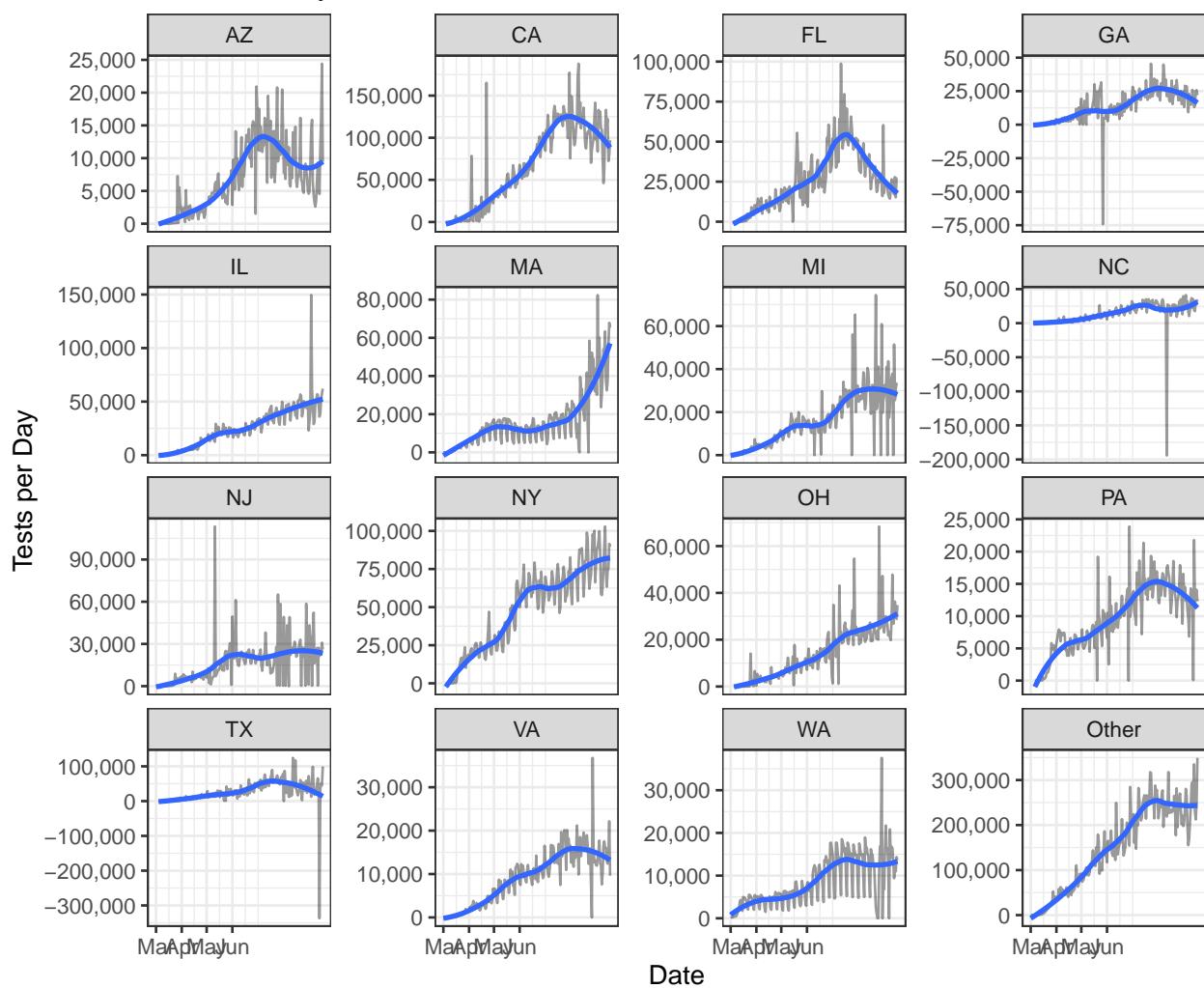


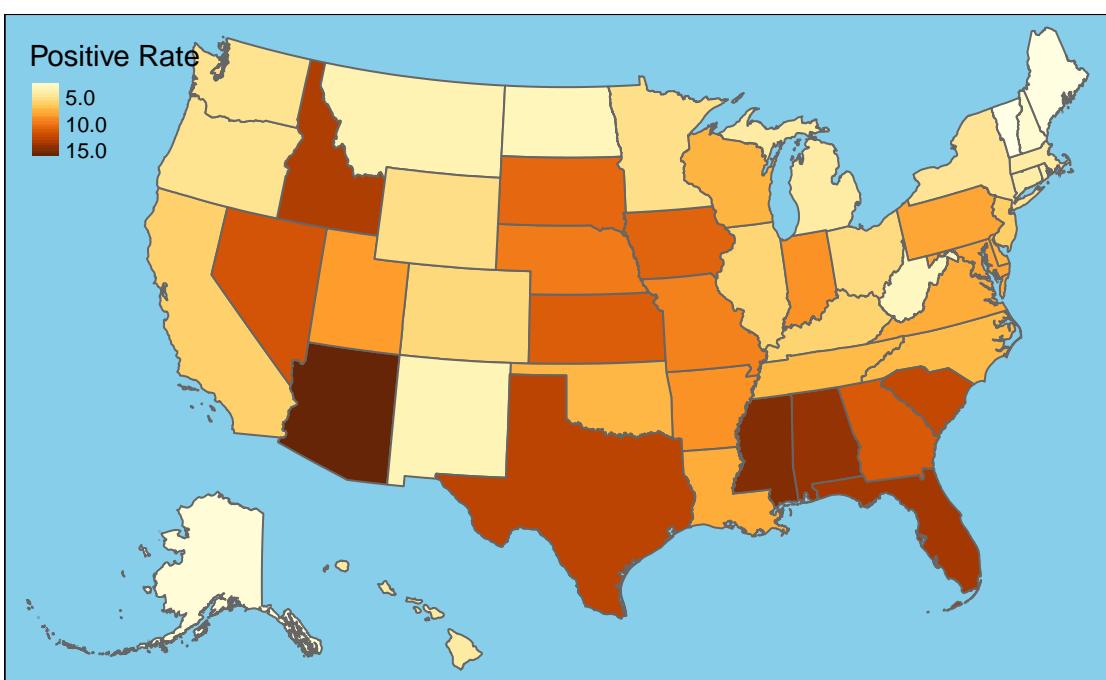
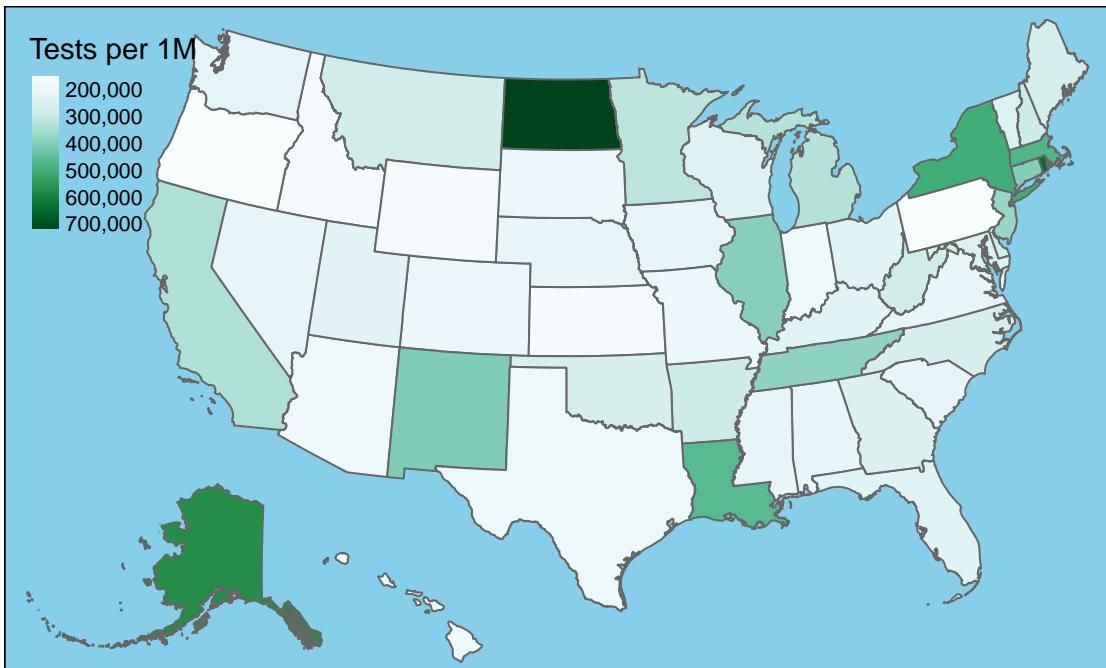


## Testing



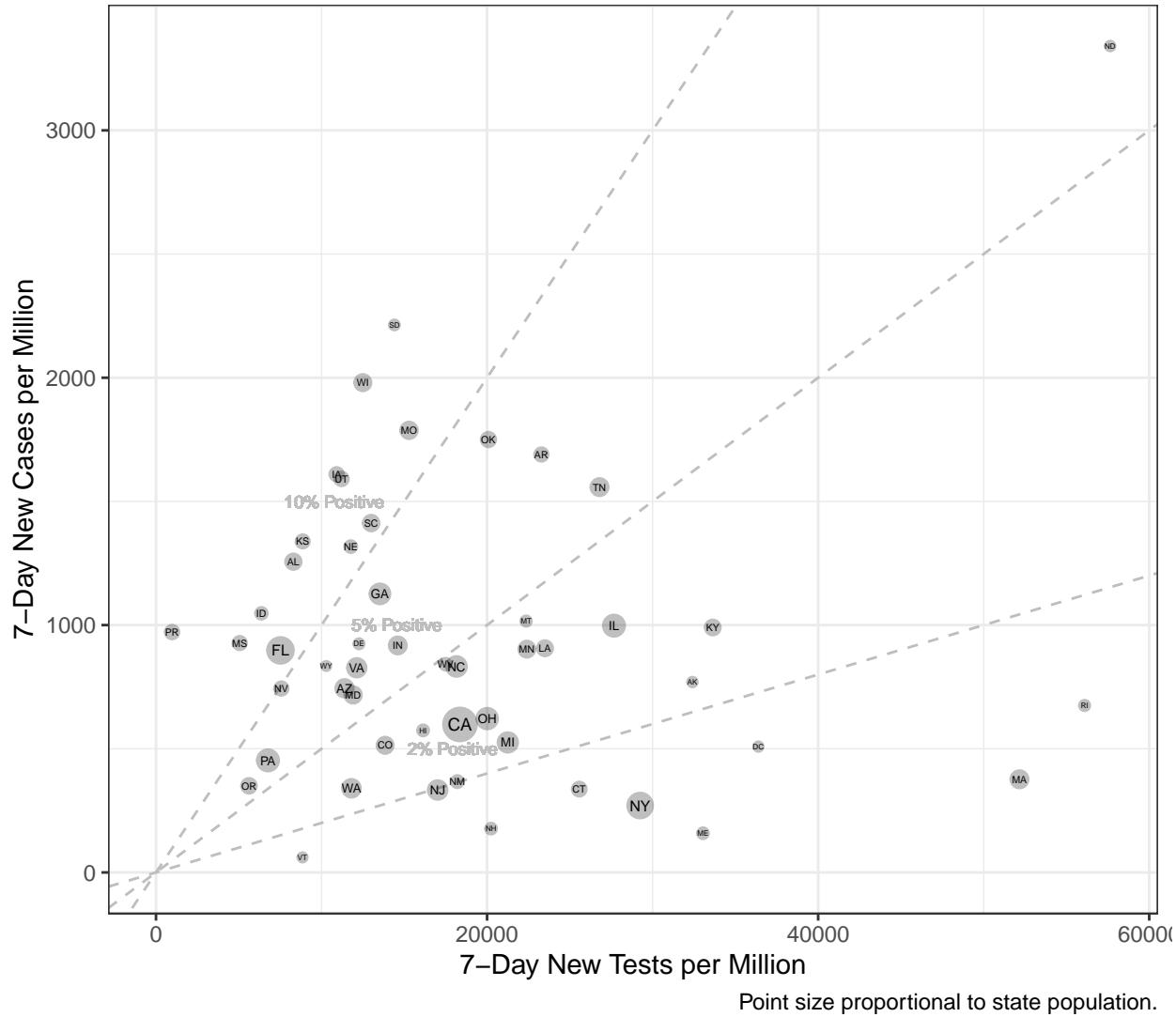
## New Tests by State





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



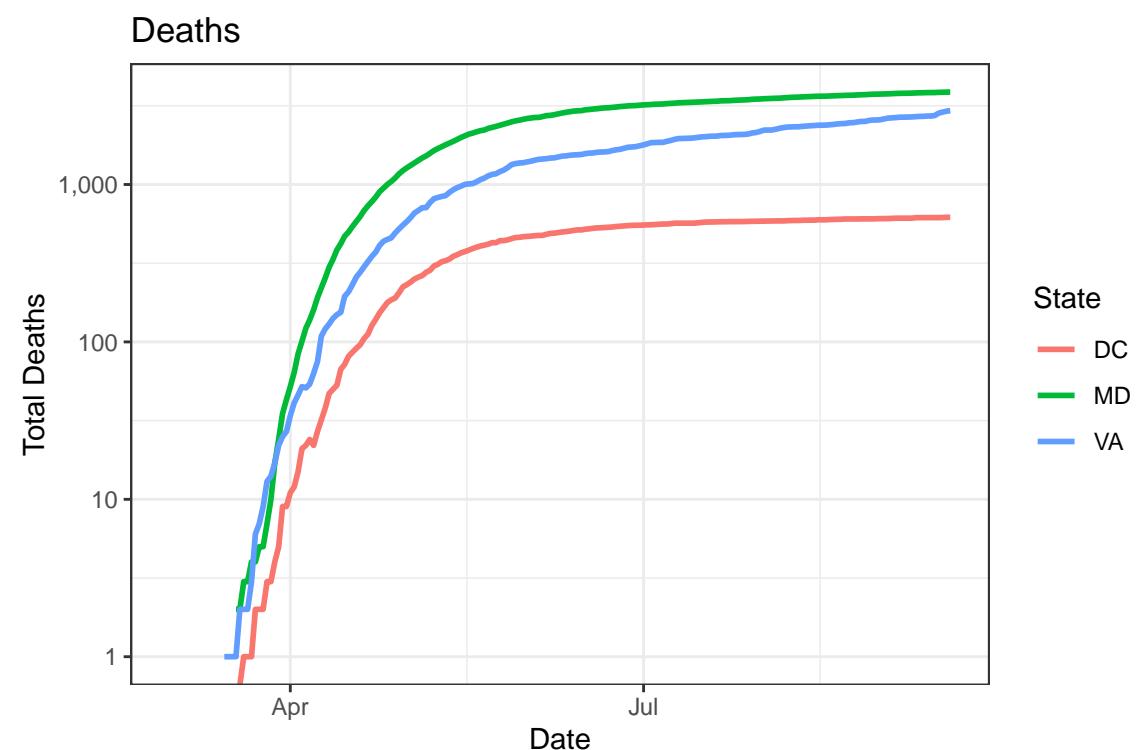
## Local Data

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

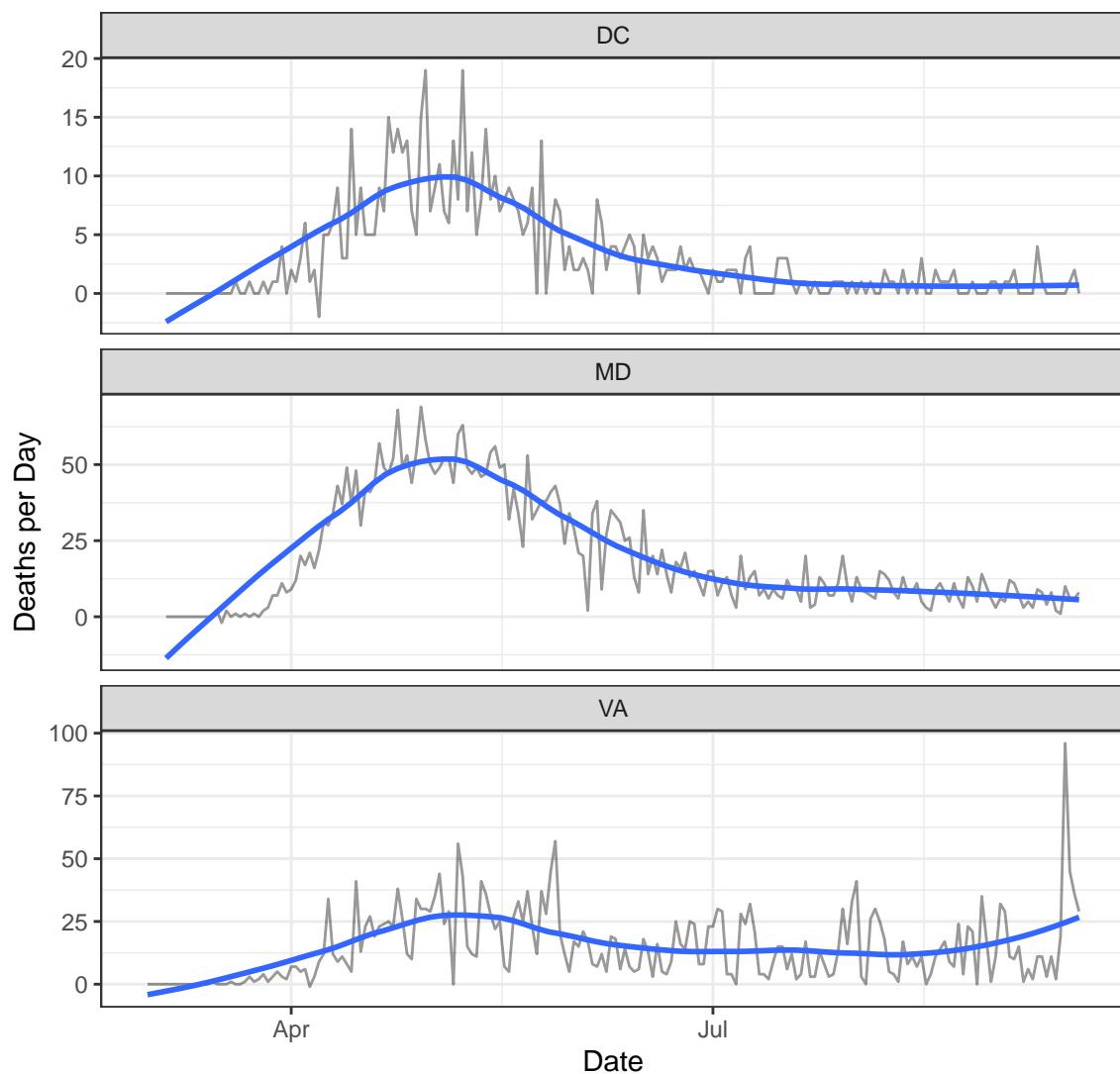
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,852	619	62	0
MD	119,062	3,869	543	8
VA	138,702	2,949	1,242	29

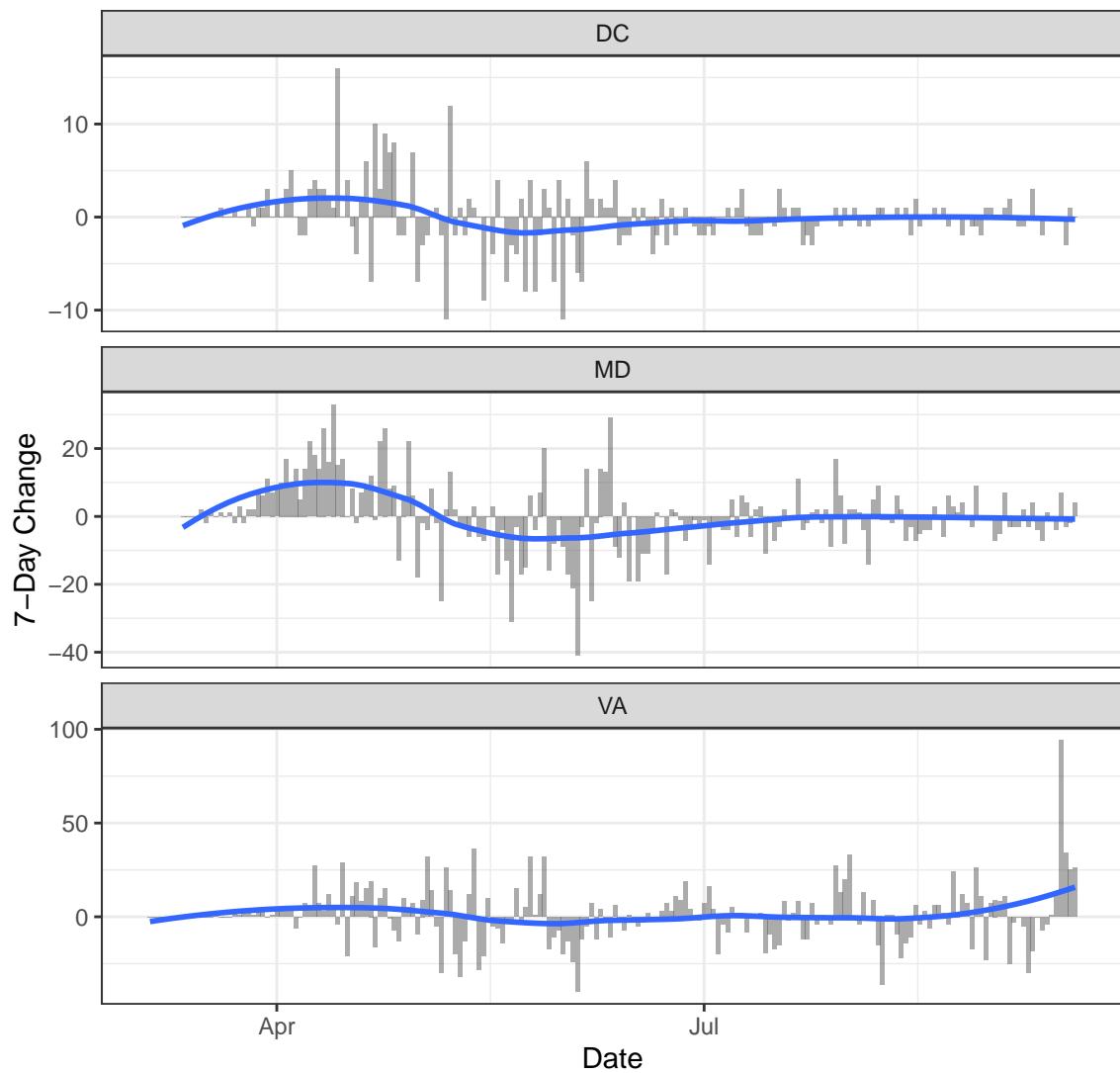
## Deaths

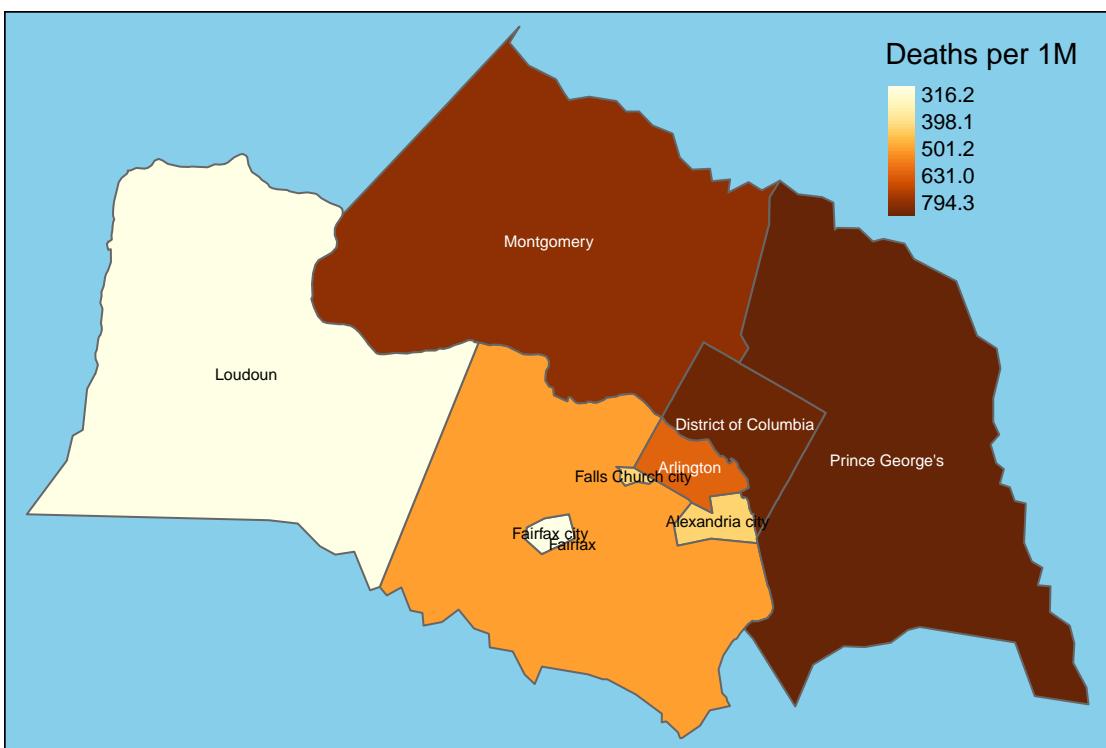
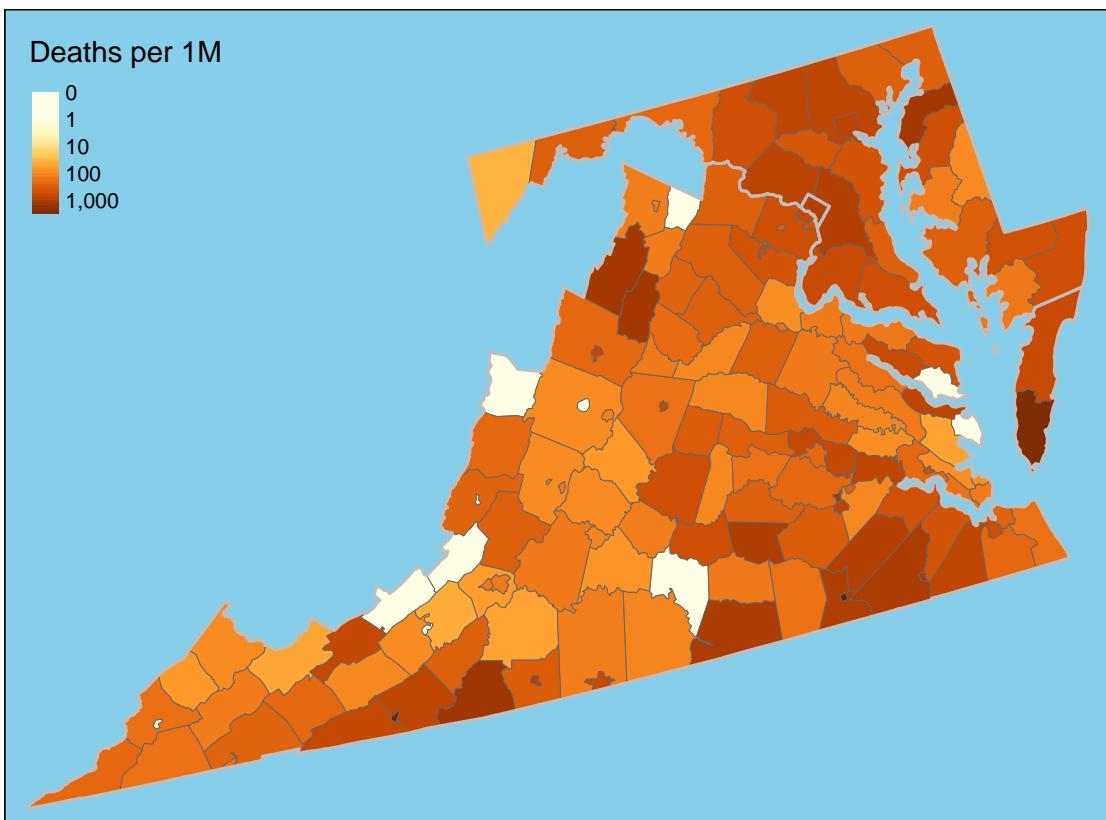


## New Deaths

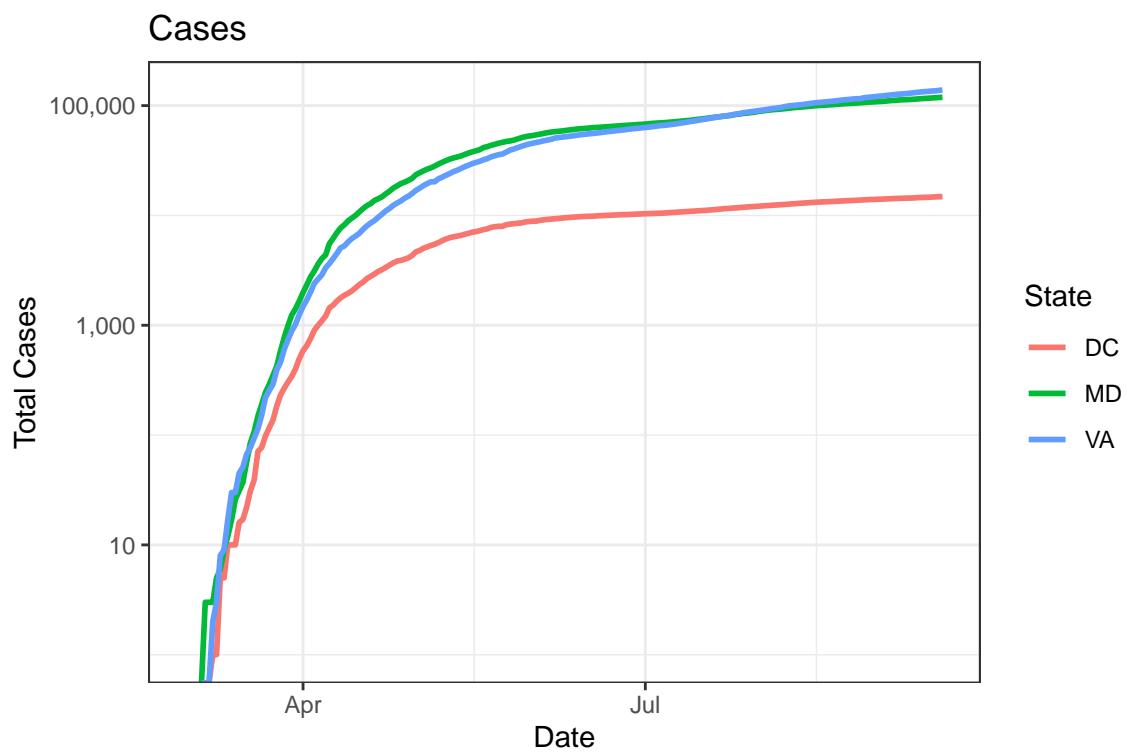


## One-Week Change in Daily Deaths

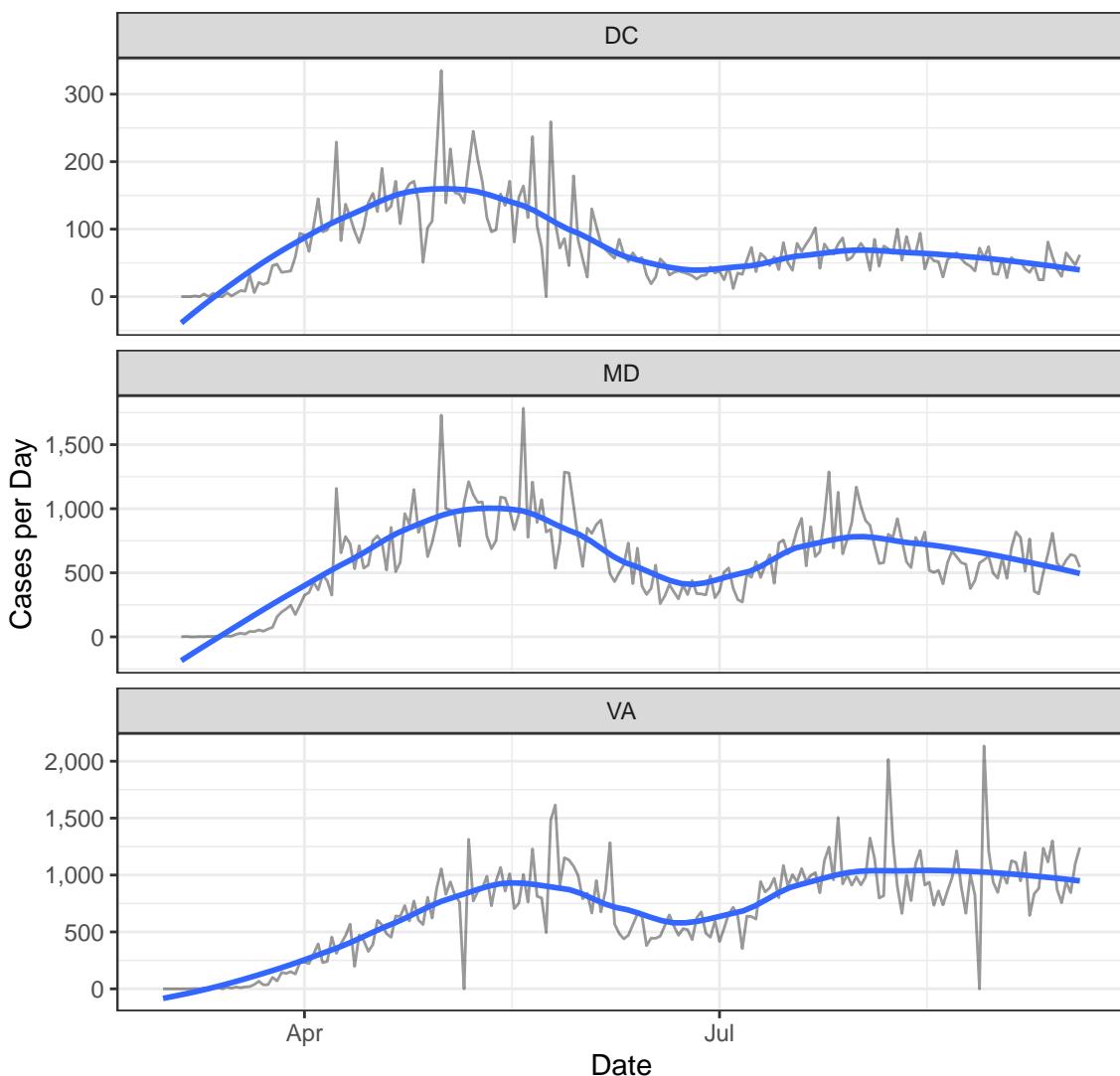




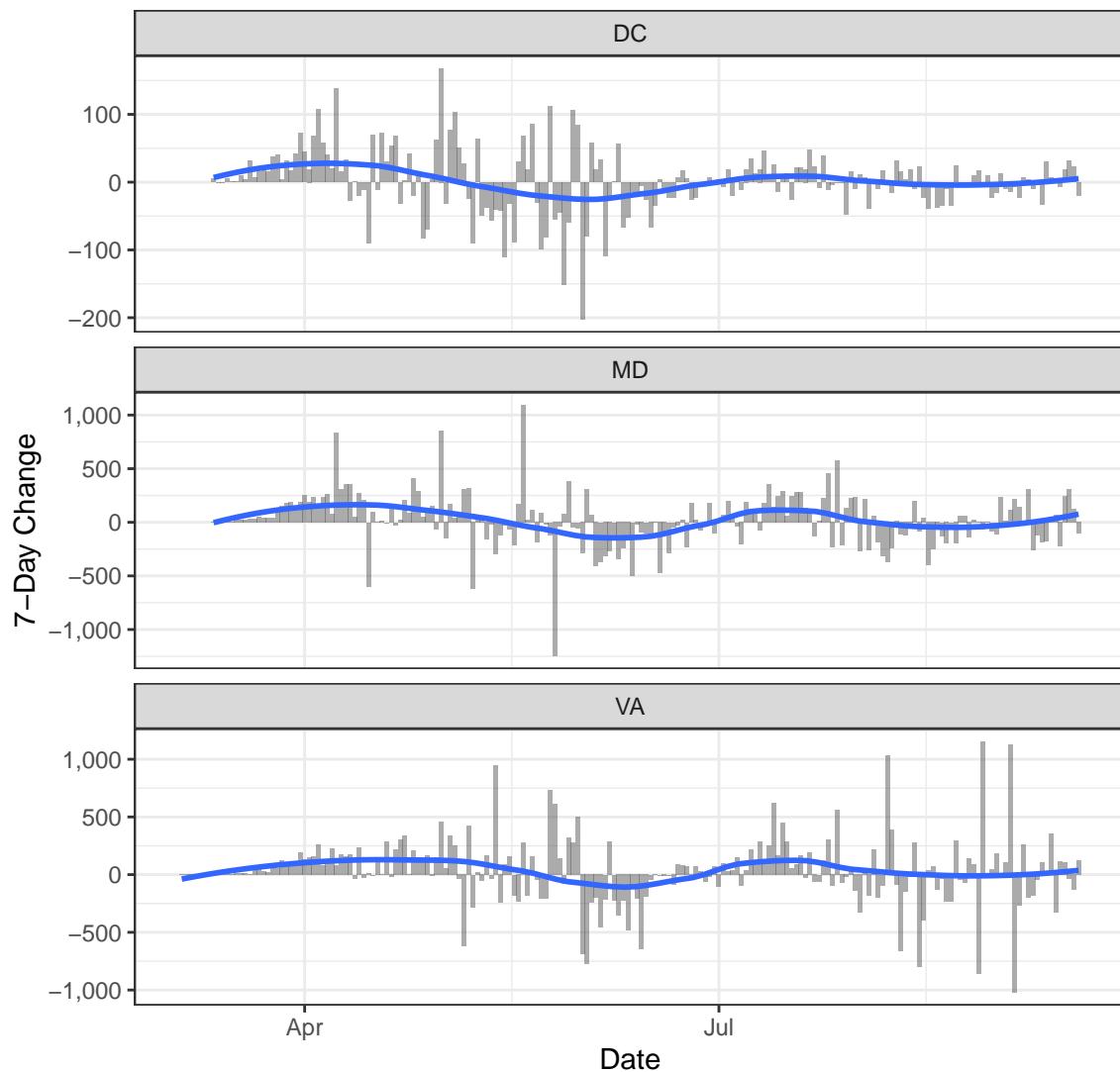
Cases

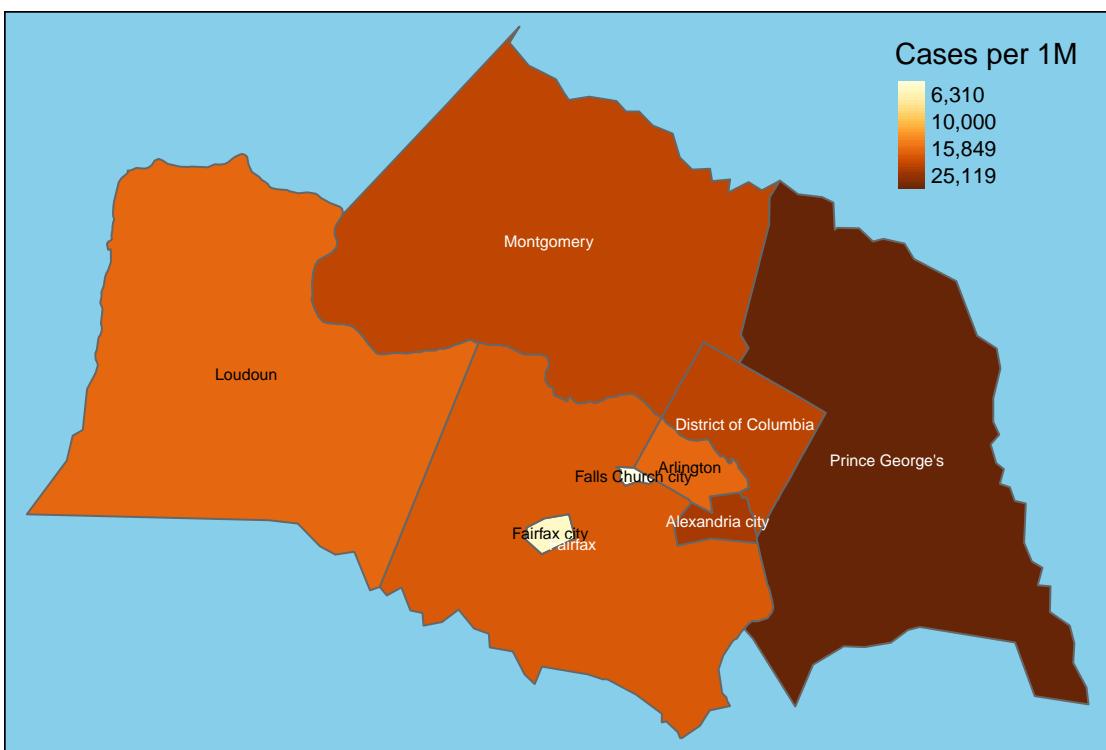
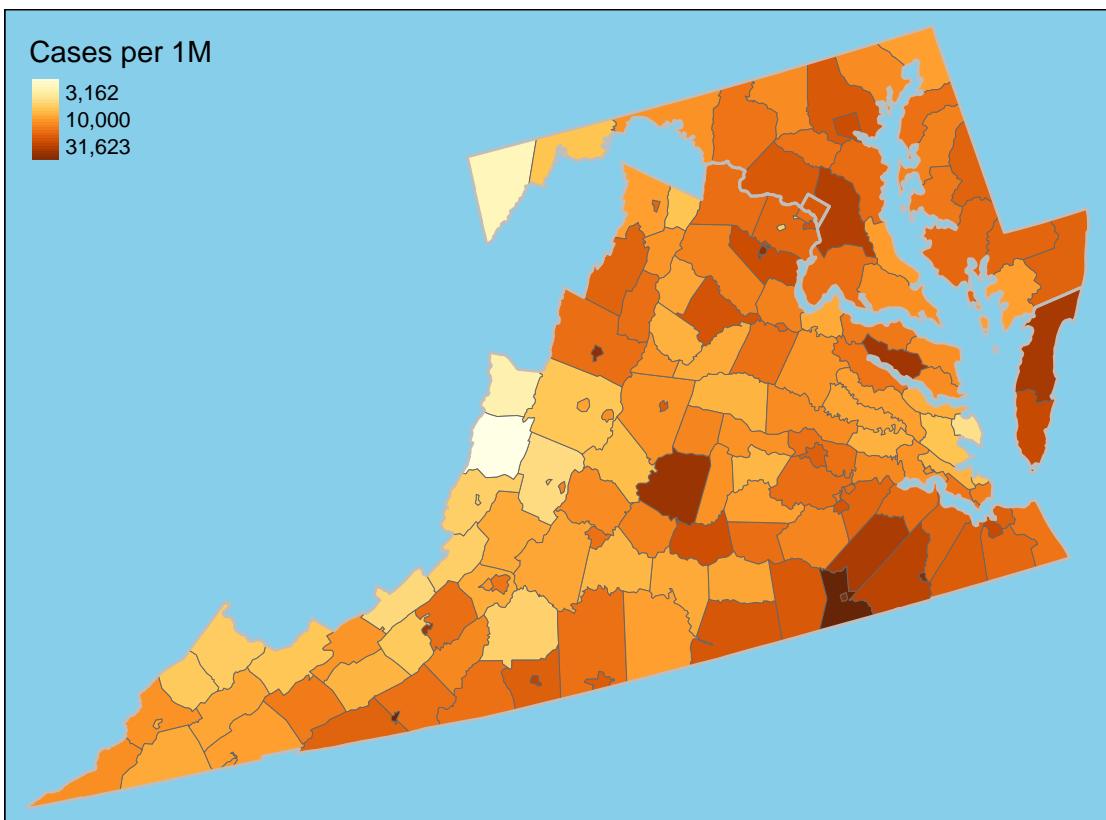


## New Cases

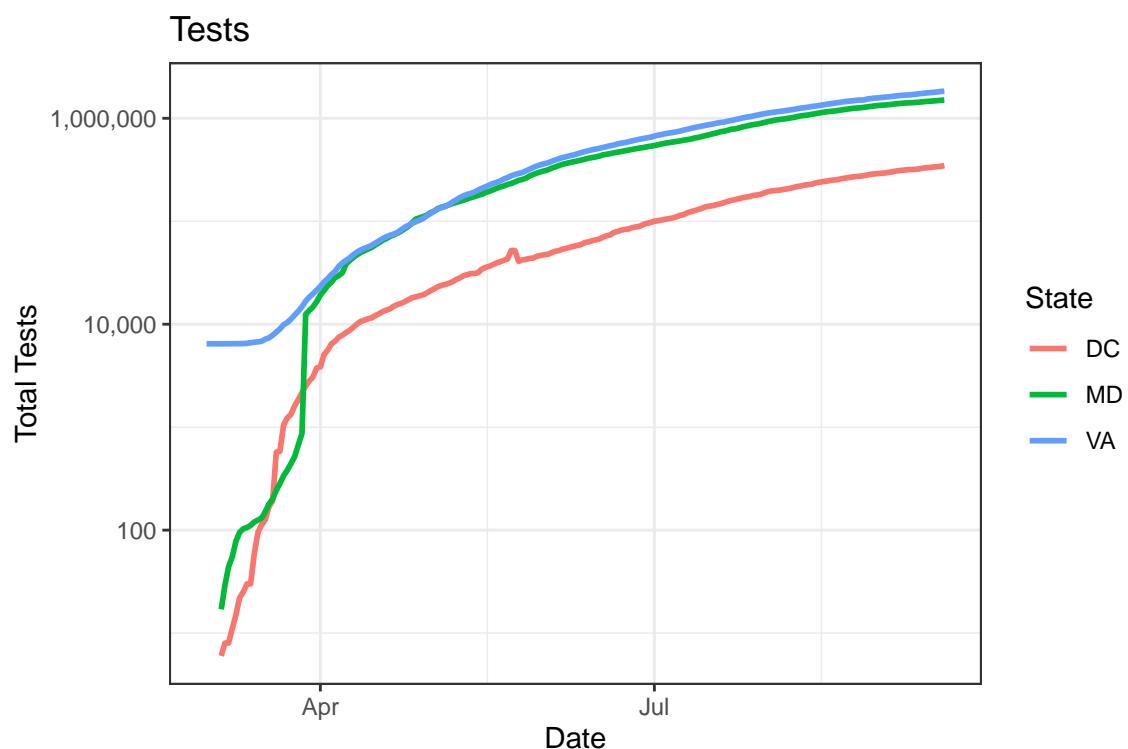


## One-Week Change in Daily Cases

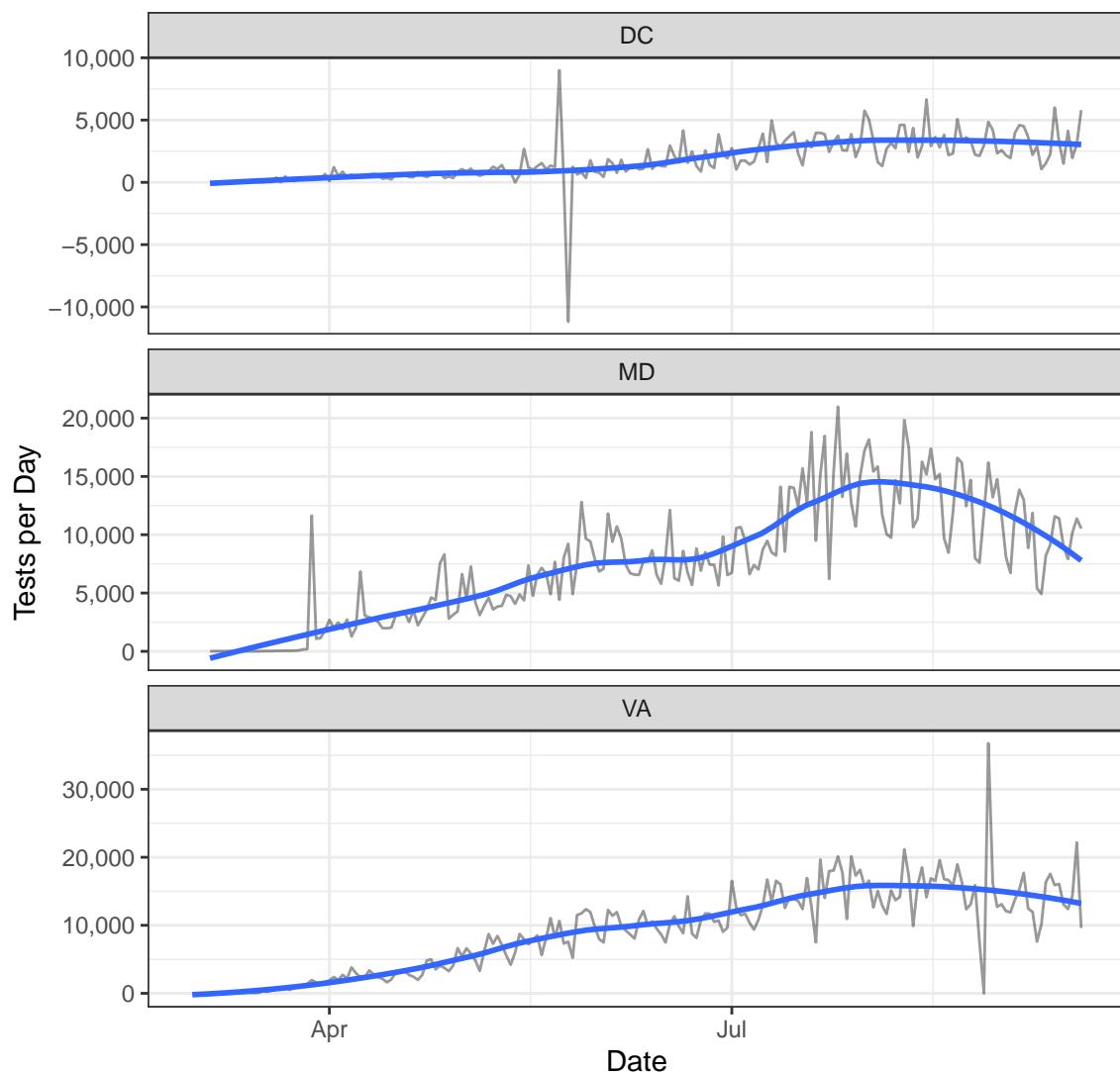




## Testing



## New Tests



## Positive Test Rate

