

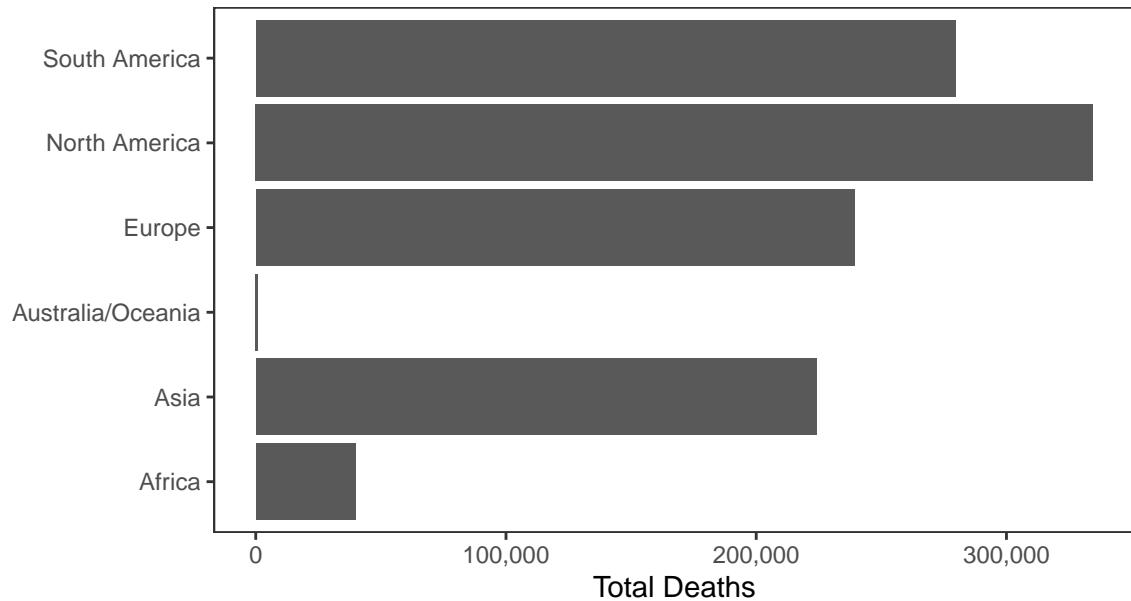
# Erik's Covid-19 Chart Pack

Data updated 2020-10-19 13:36:34. 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 40,284,990 confirmed Covid-19 cases and 1,118,308 deaths worldwide.

**Deaths**



**Cases**

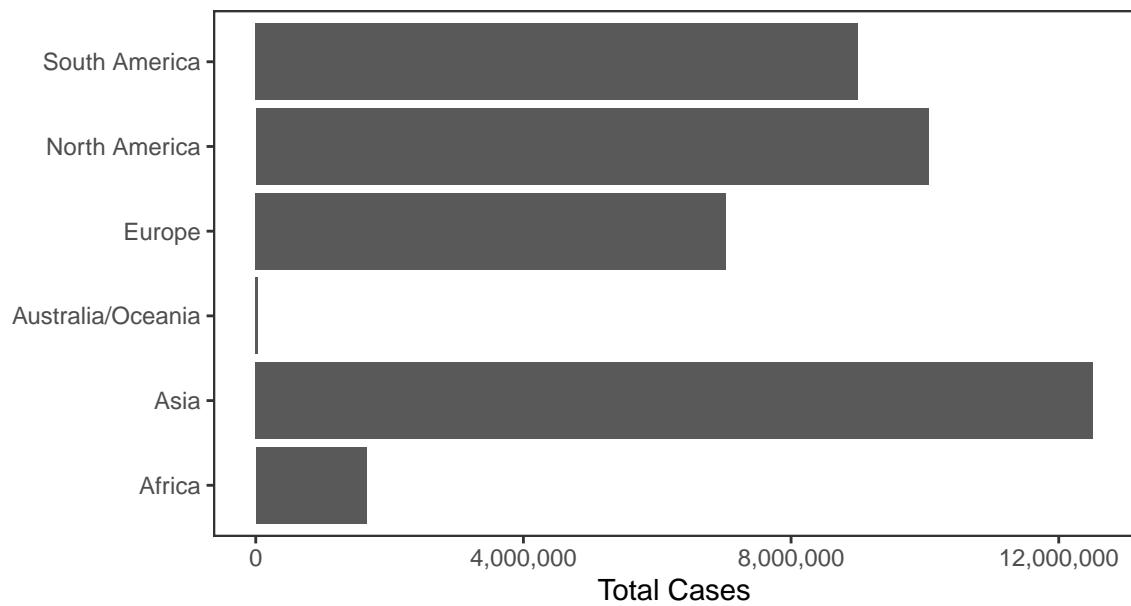
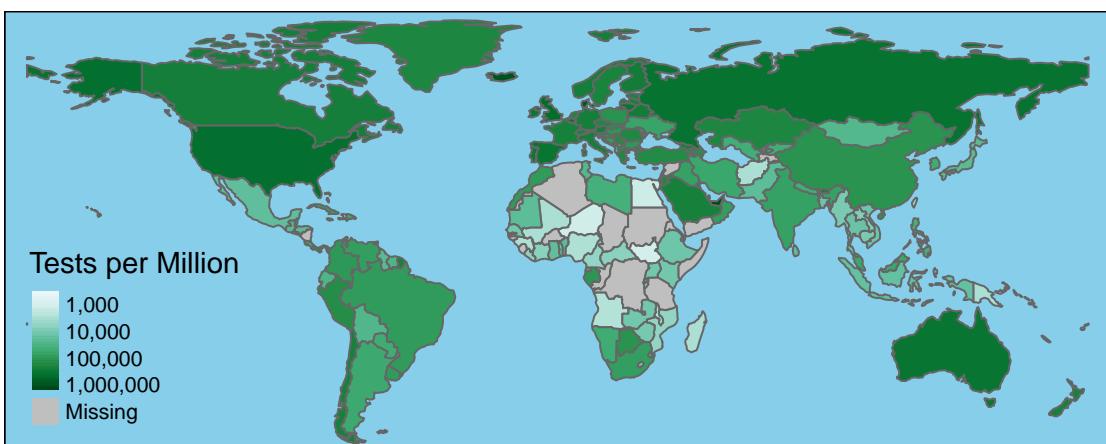
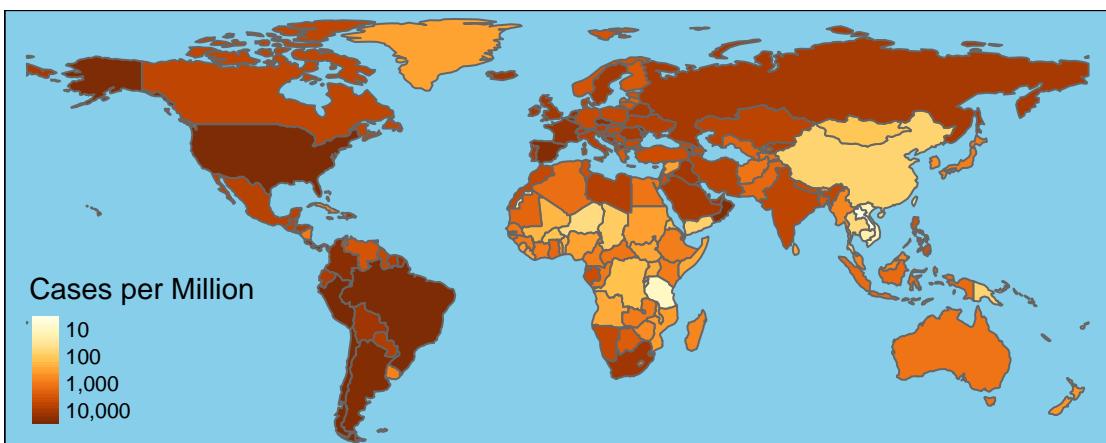
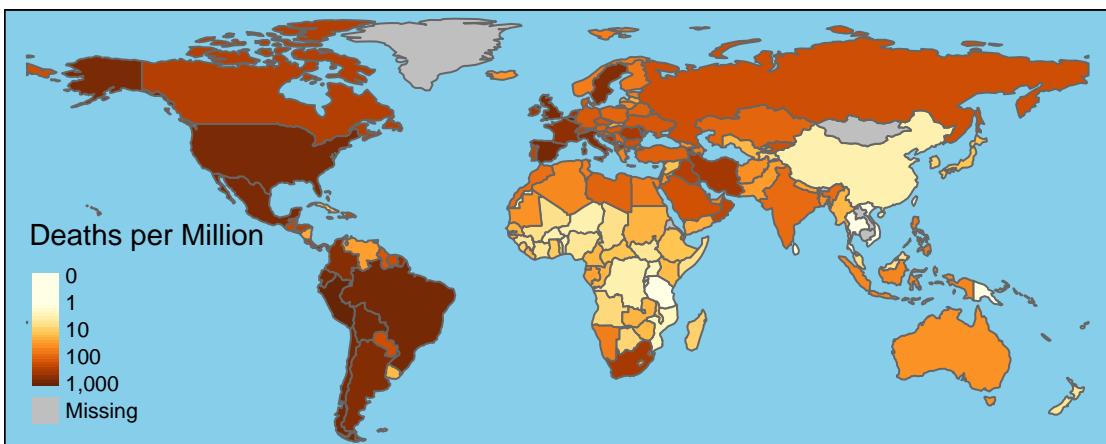


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	8,387,799	224,730	44,941	448
India	7,548,238	114,642	55,511	578
Brazil	5,235,344	153,905	10,982	215
Russia	1,399,334	24,187	15,099	185
Spain	1,003,581	33,919	9,916	72
Argentina	989,680	26,267	10,561	160
Colombia	959,572	28,970	7,201	167
France	897,034	33,477	29,837	85
Peru	868,675	33,759	3,126	57
Mexico	847,108	86,059	5,447	355
UK	722,408	43,646	16,981	67
South Africa	703,793	18,471	1,662	63
Iran	530,380	30,375	3,890	252
Chile	491,760	13,635	1,757	47
Iraq	426,634	10,254	3,110	56
Italy	414,240	36,543	11,704	69
Bangladesh	388,569	5,660	1,274	14
Germany	366,981	9,866	5,248	13
Indonesia	361,867	12,511	4,105	80
Philippines	356,531	6,649	2,292	47



## National Data

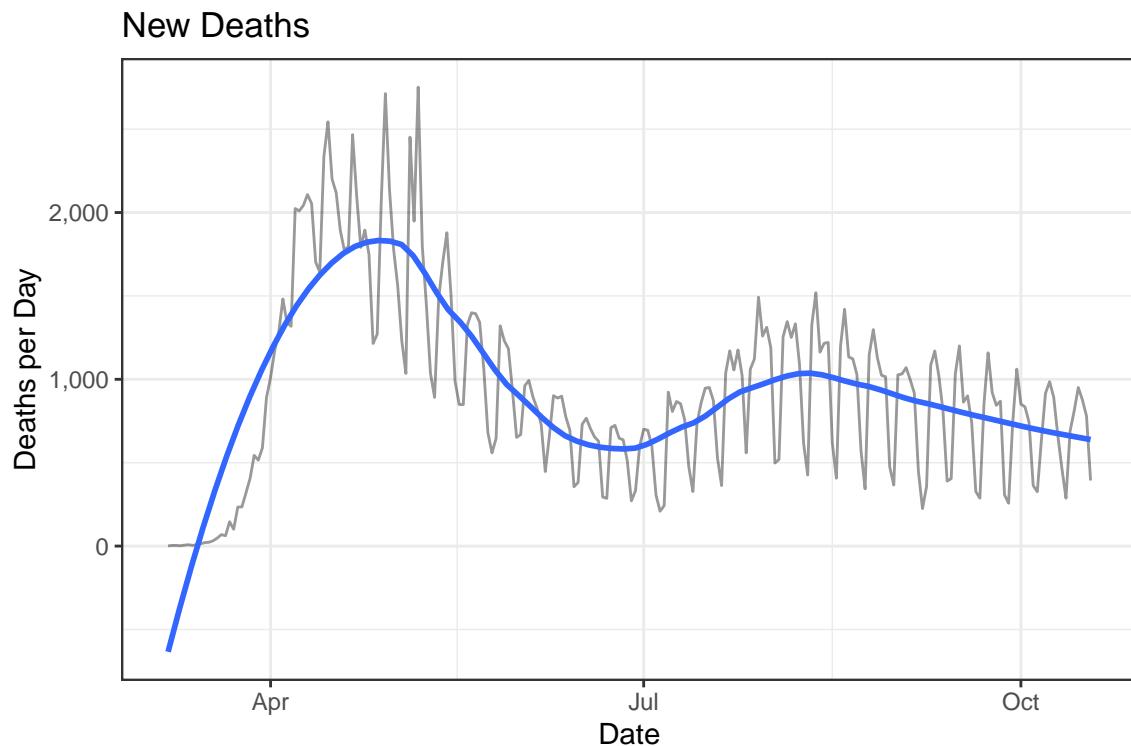
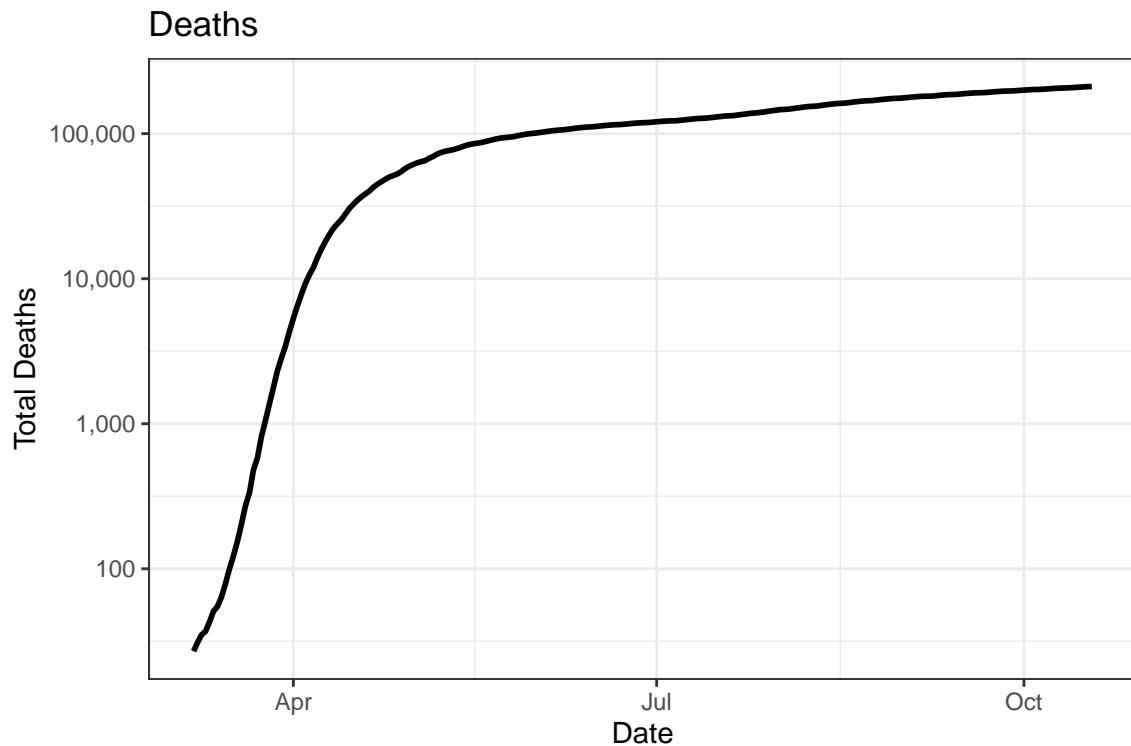
There have been 8,114,555 confirmed Covid-19 cases and 211,390 deaths in the United States.

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

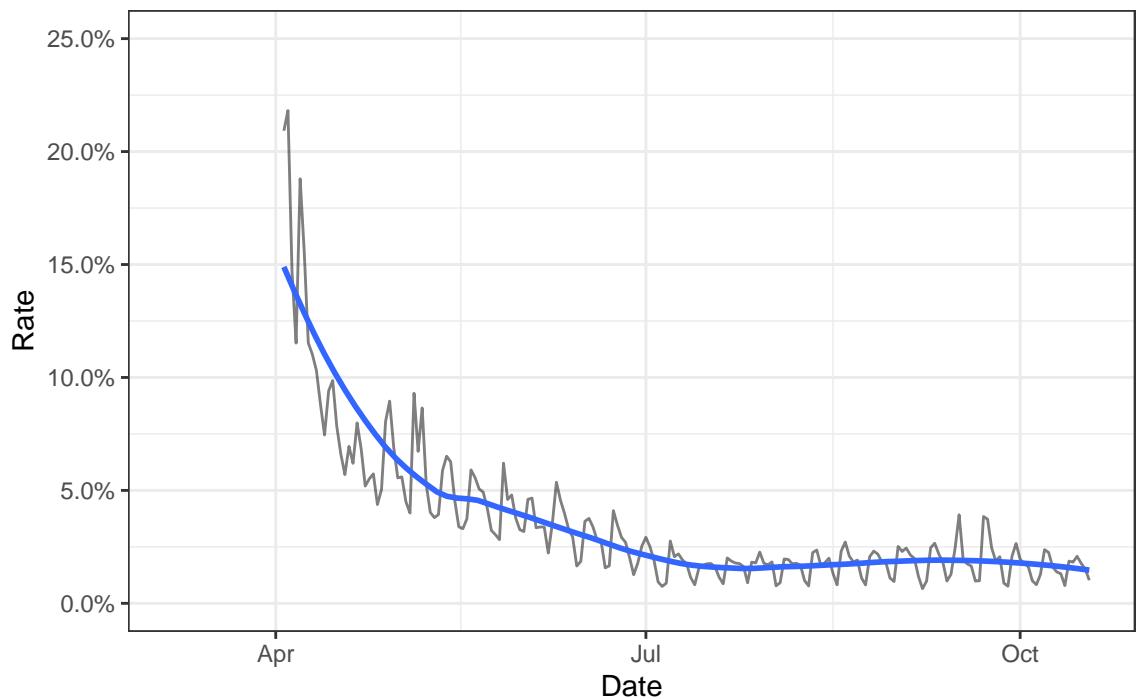
Date	Cases	Deaths	New Cases	New Deaths
2020-10-18	8,114,555	211,390	48,922	393
2020-10-17	8,065,633	210,997	57,943	780
2020-10-16	8,007,690	210,217	68,124	877
2020-10-15	7,939,566	209,340	63,172	951
2020-10-14	7,876,394	208,389	56,797	811
2020-10-13	7,819,597	207,578	48,387	690
2020-10-12	7,771,210	206,888	43,124	287
2020-10-11	7,728,086	206,601	46,946	466
2020-10-10	7,681,140	206,135	57,492	665
2020-10-09	7,623,648	205,470	57,060	893
2020-10-08	7,566,588	204,577	55,352	986
2020-10-07	7,511,236	203,591	50,602	916
2020-10-06	7,460,634	202,675	38,661	634
2020-10-05	7,421,973	202,041	38,133	326

## Deaths

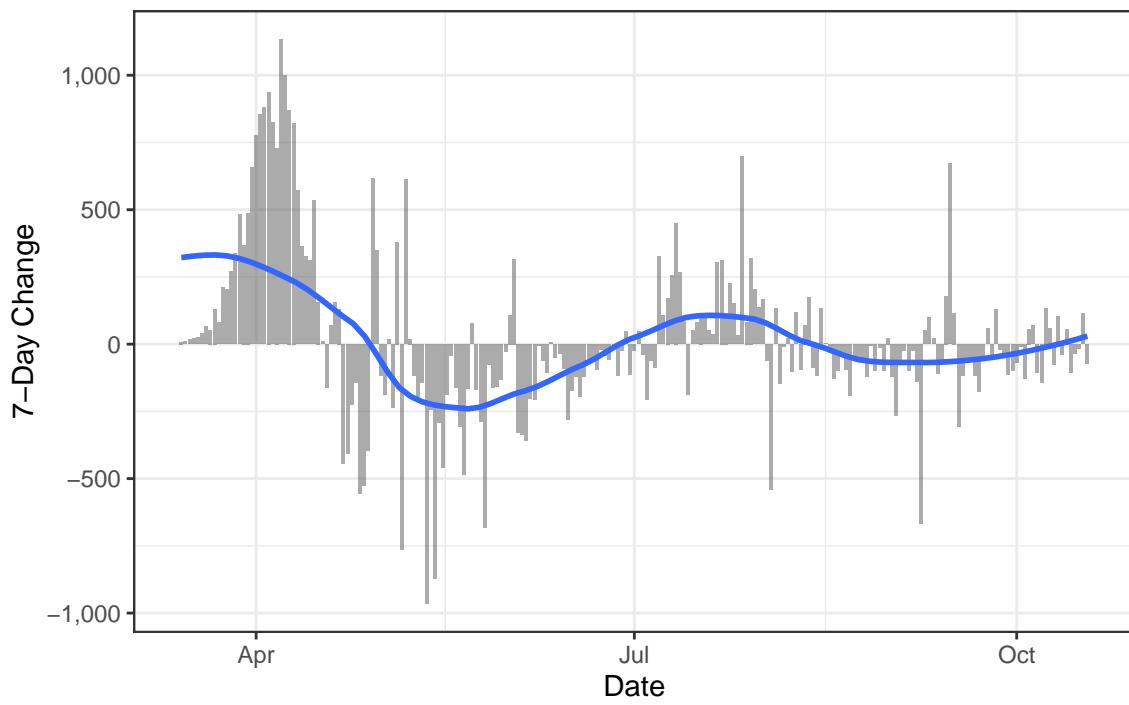
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

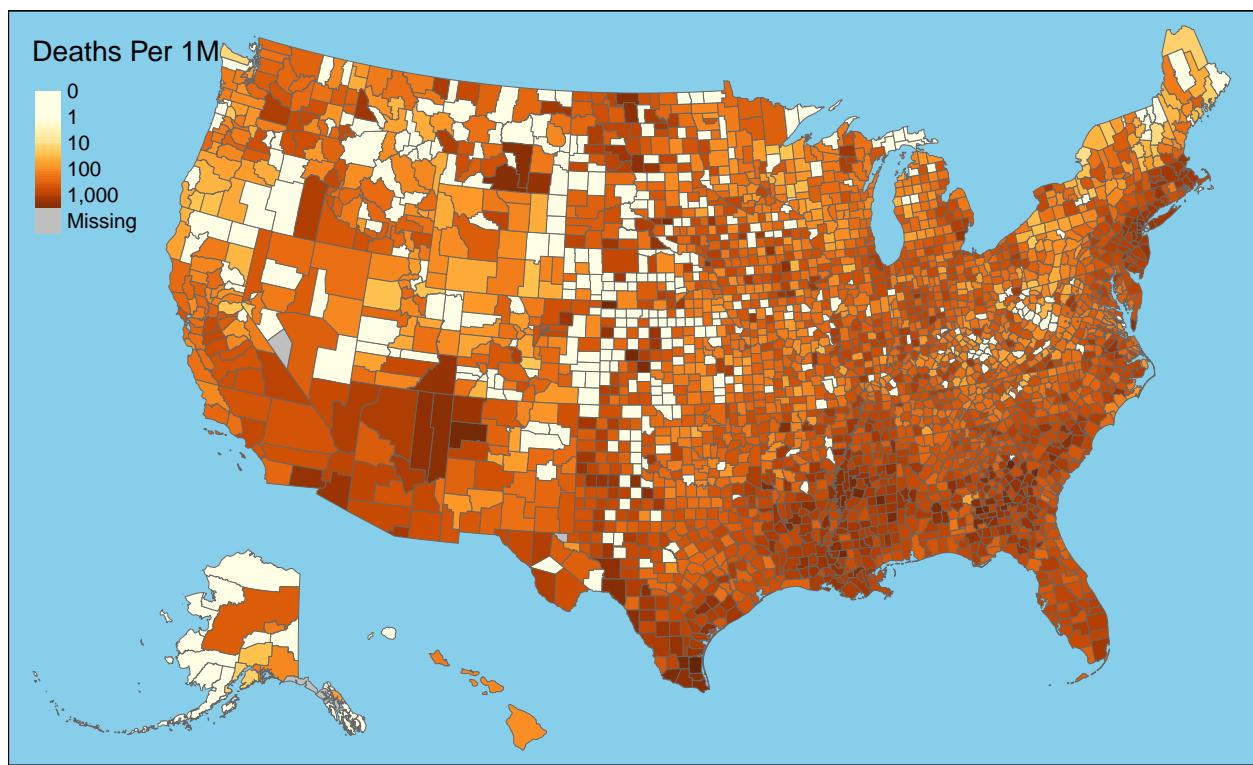


Daily Case Mortality Rate



One-Week Change in Daily Deaths

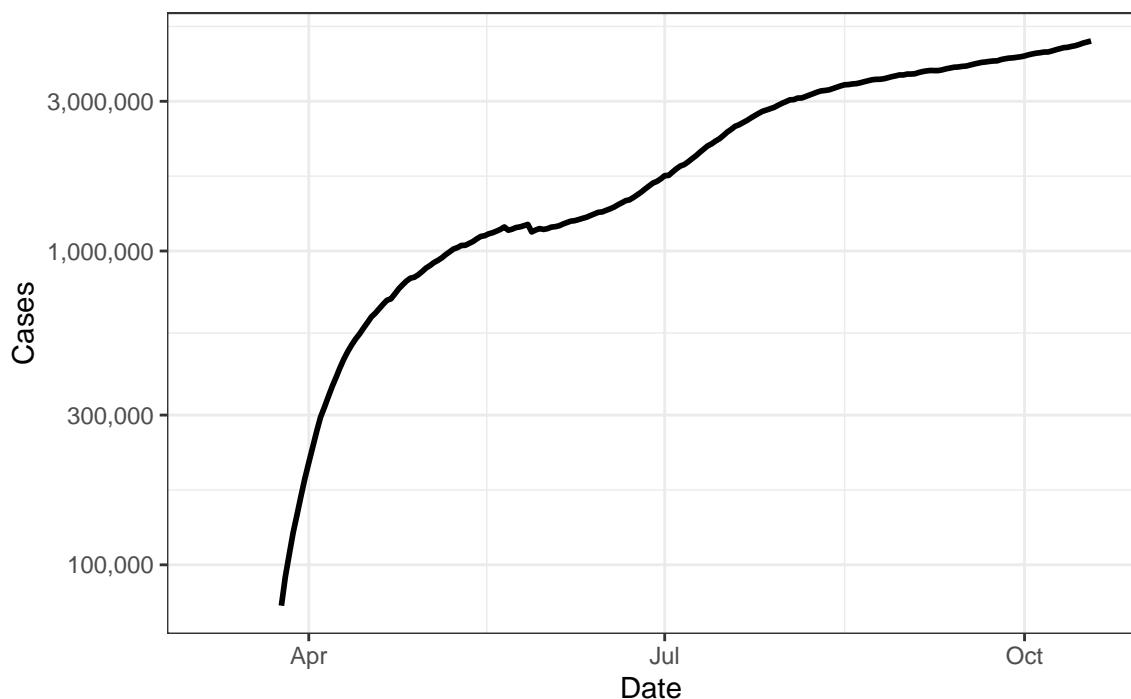




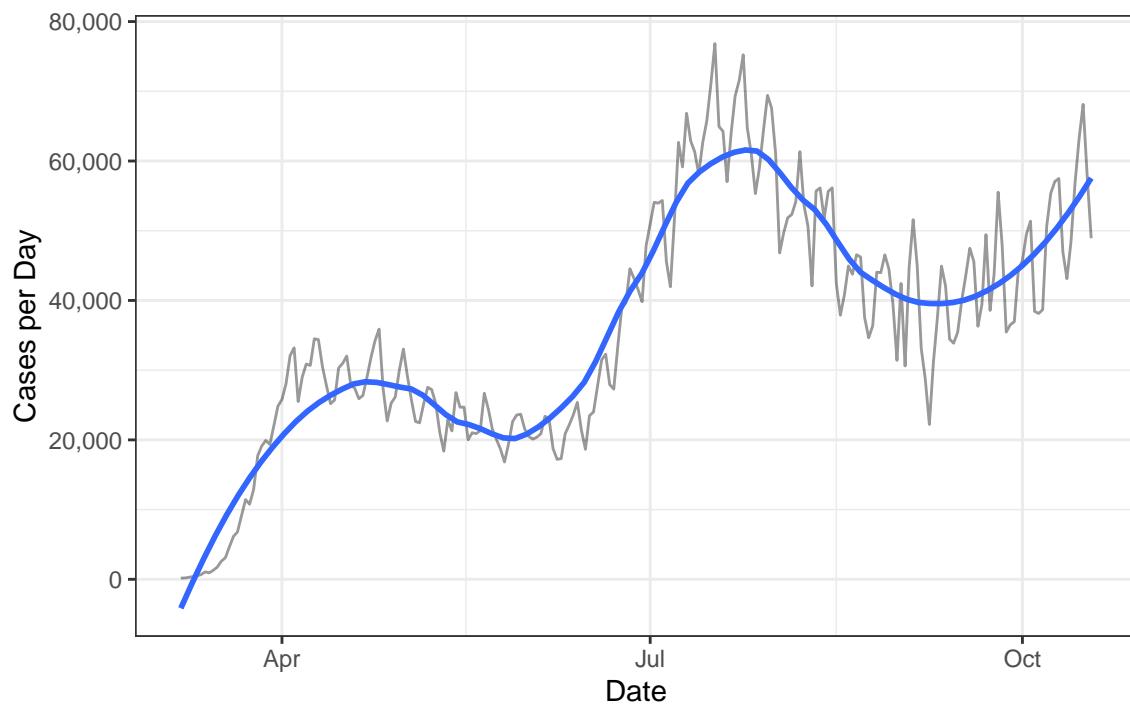
## Cases

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

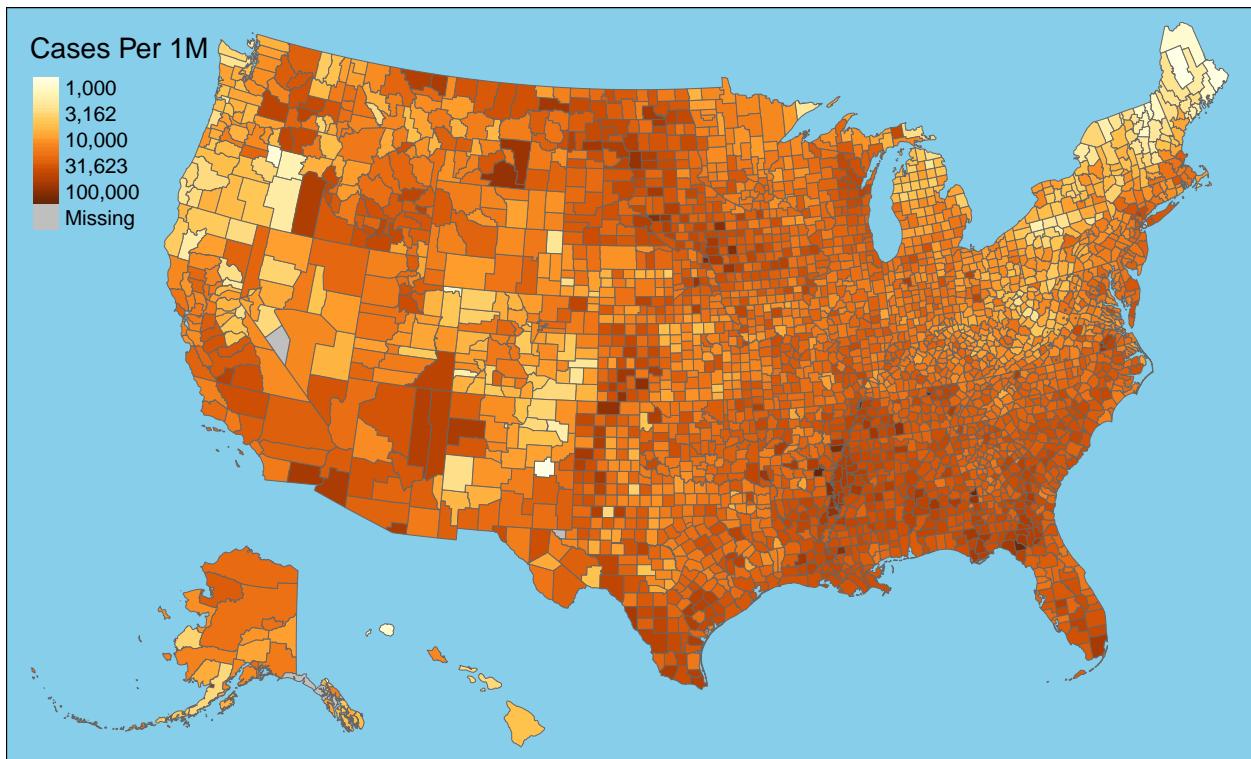
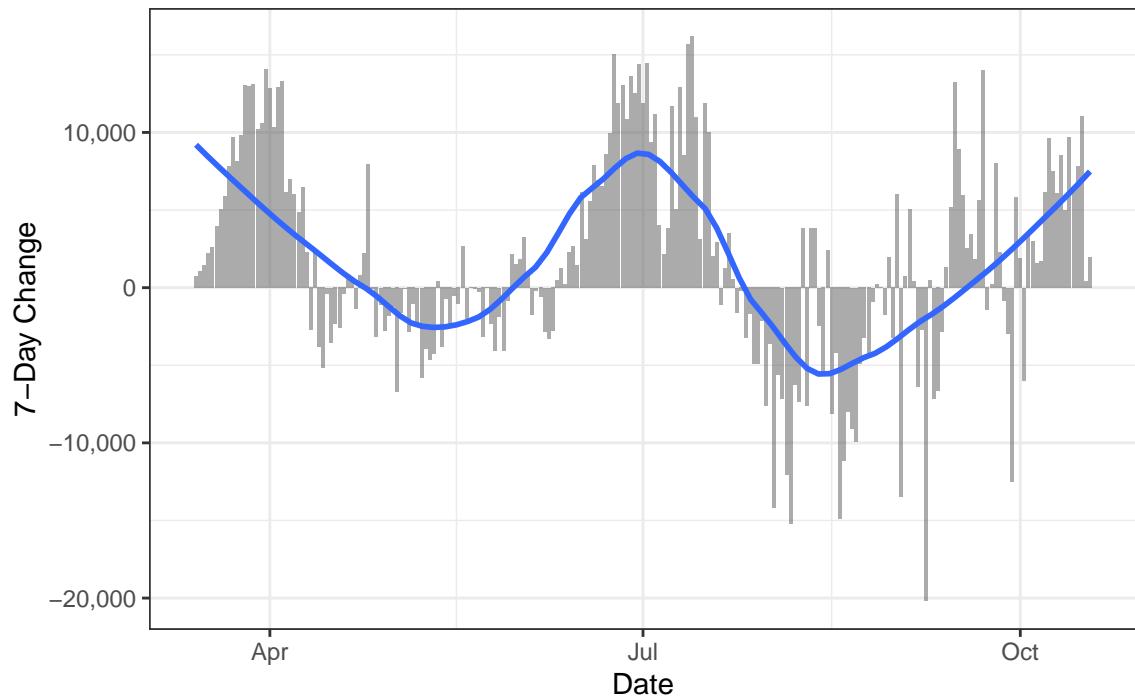
### Active Cases



### New Cases

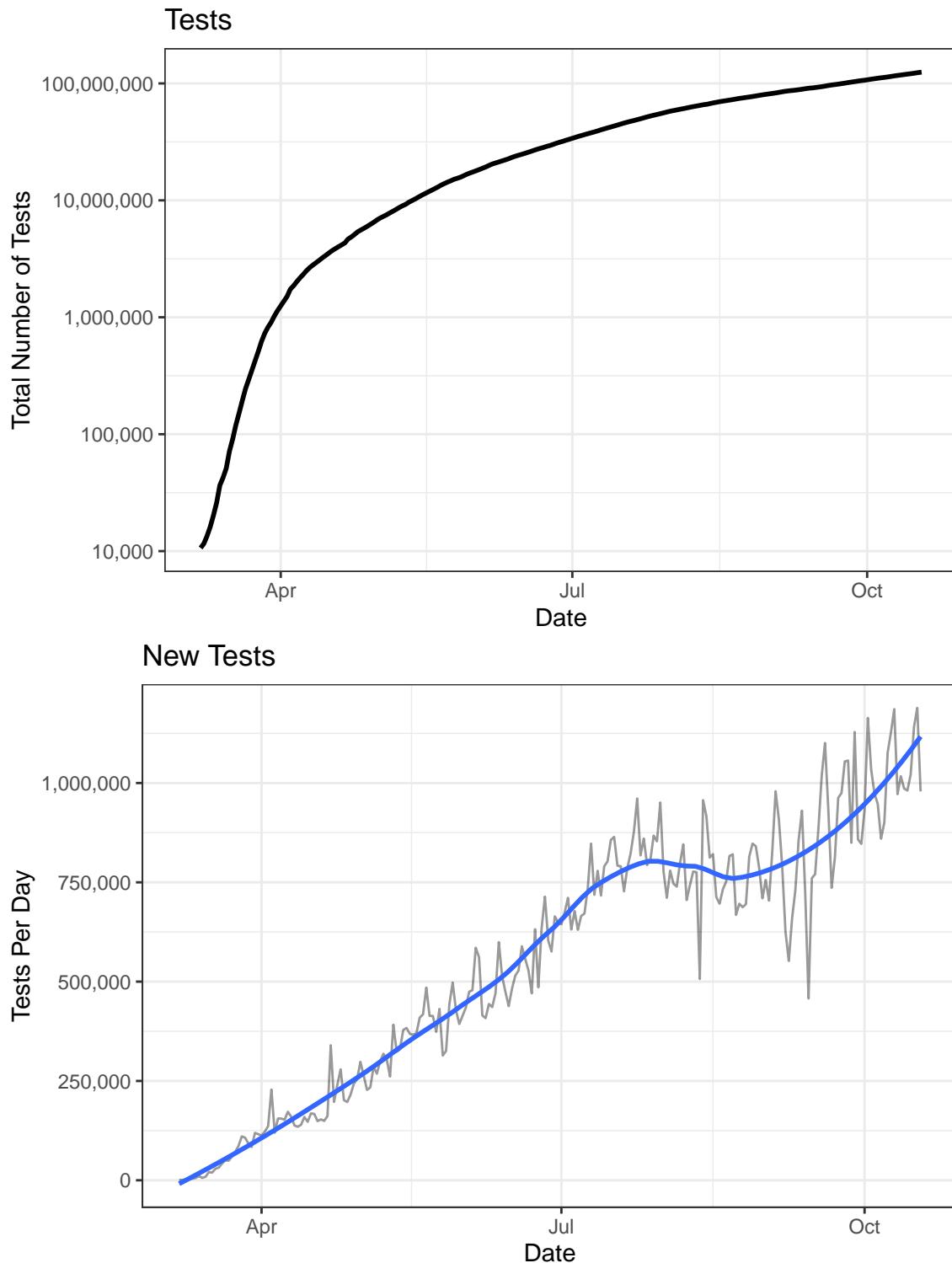


## One-Week Change in Daily Cases

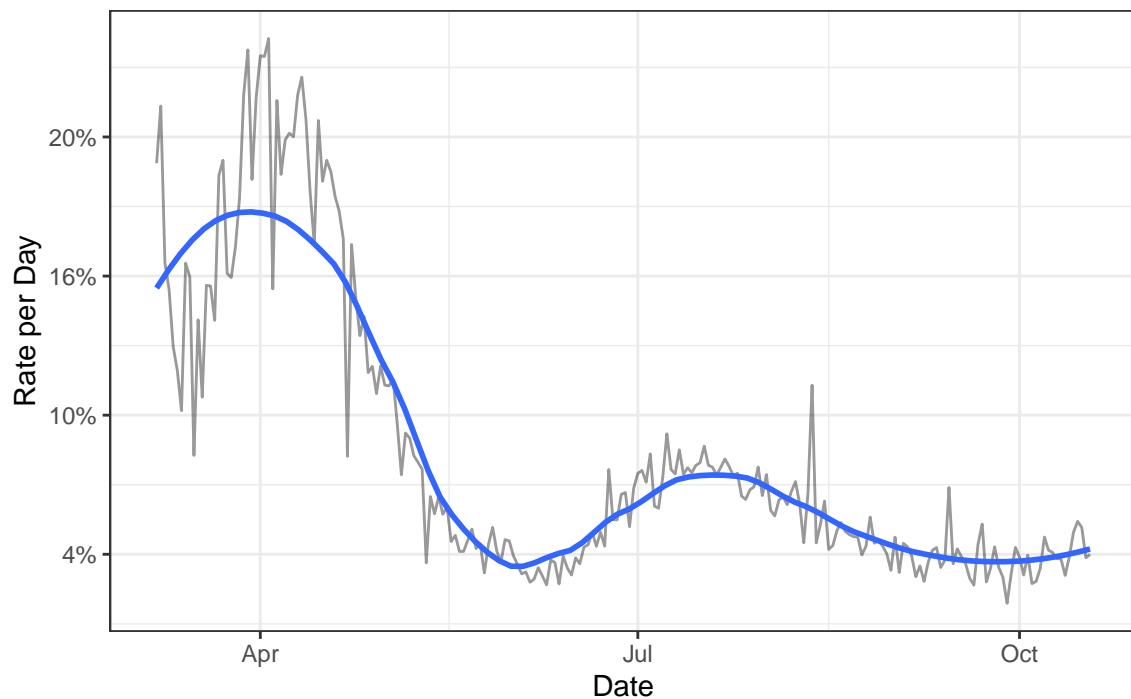


## Testing

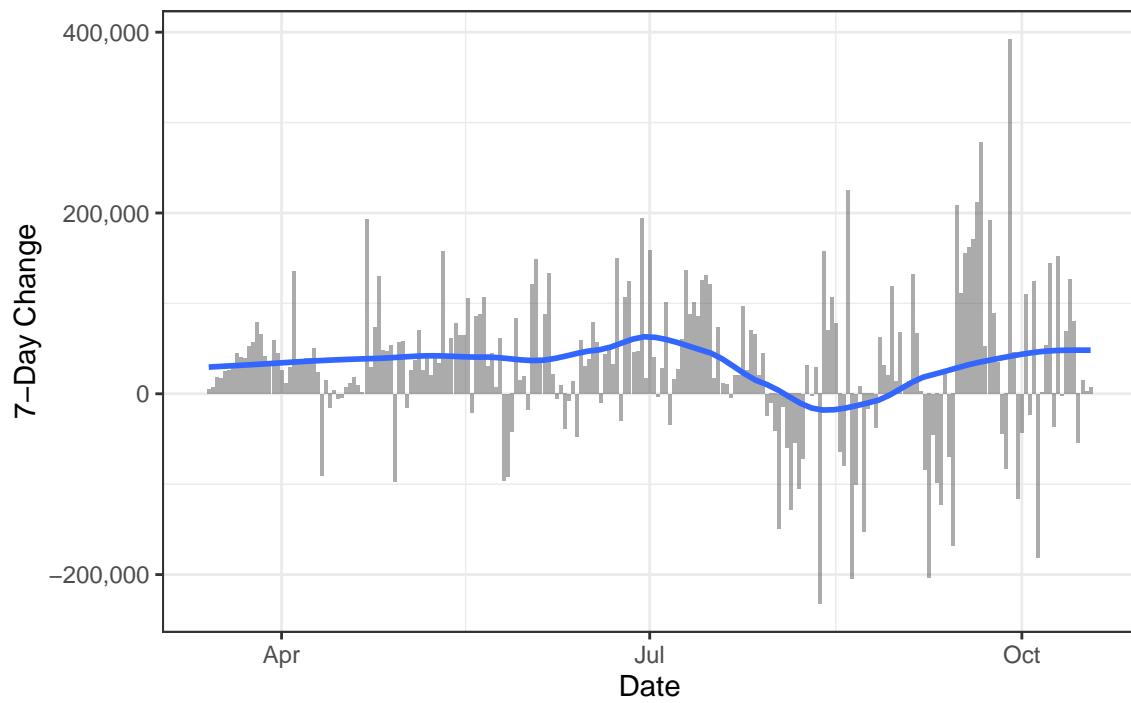
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

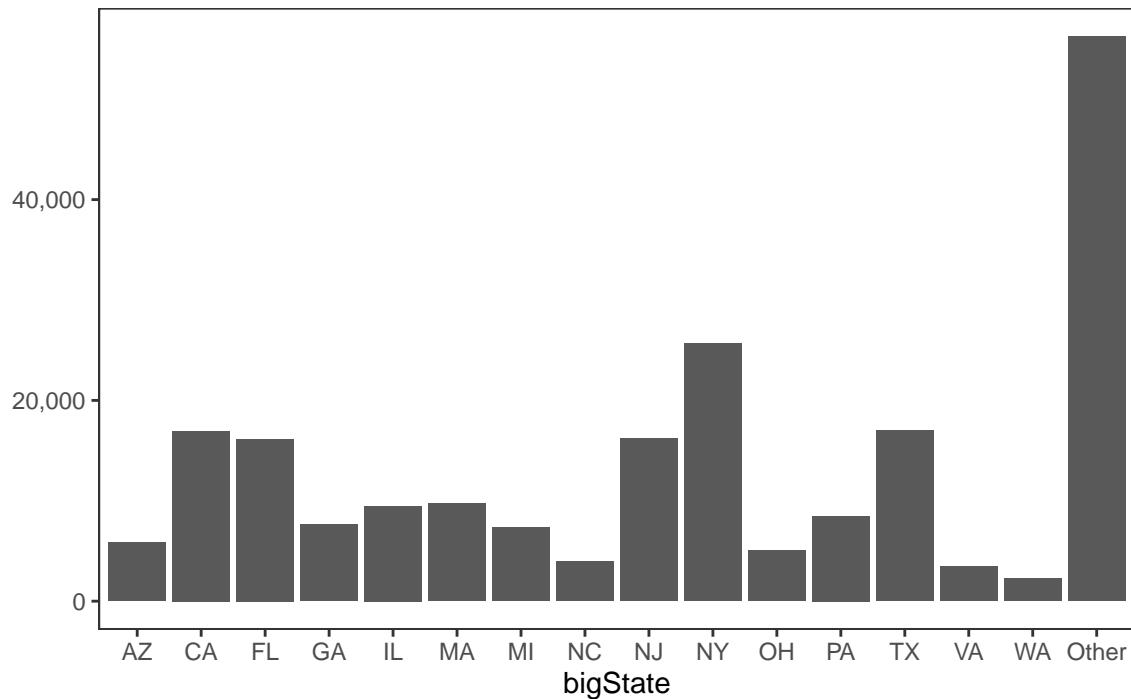


## State Data

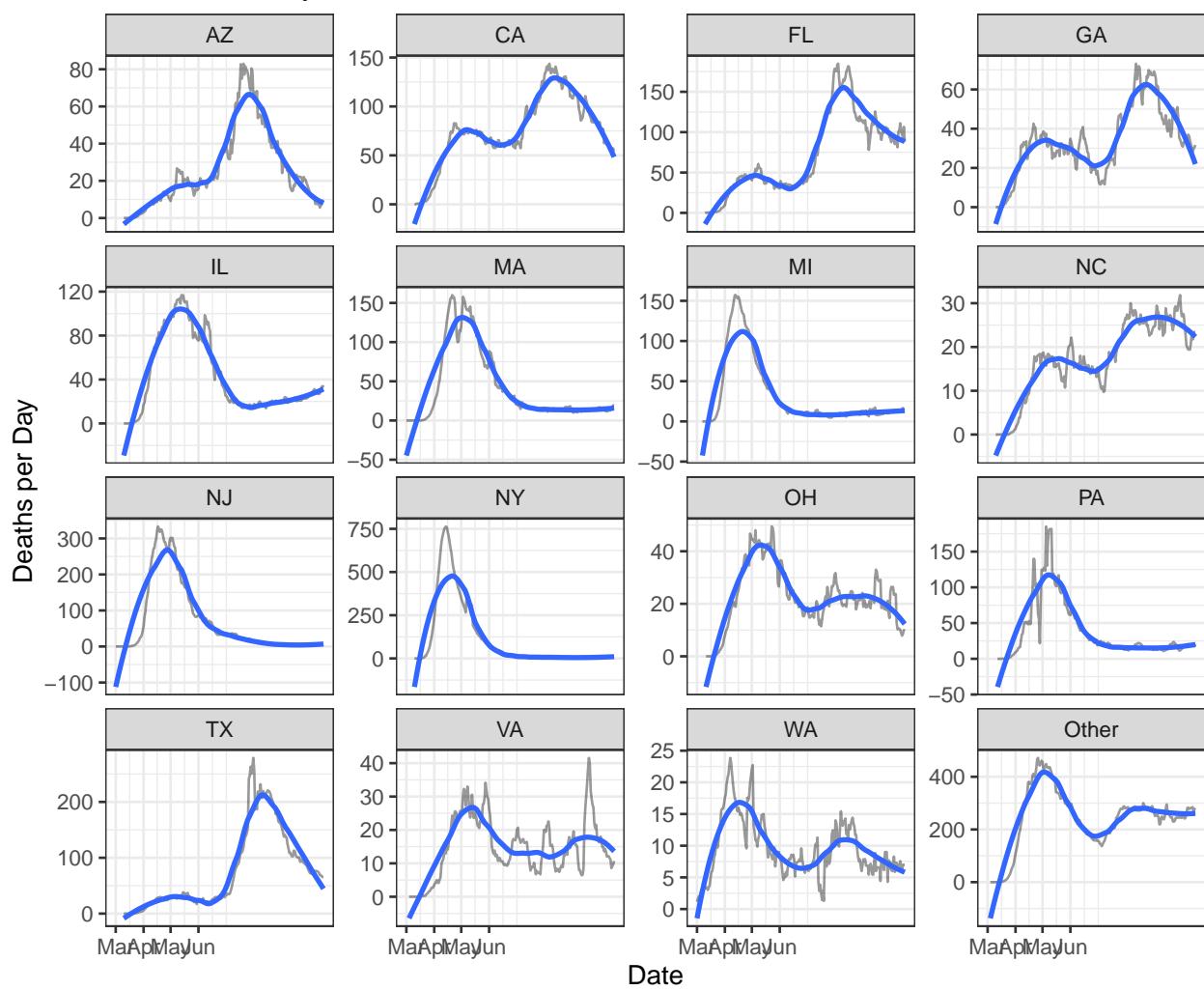
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

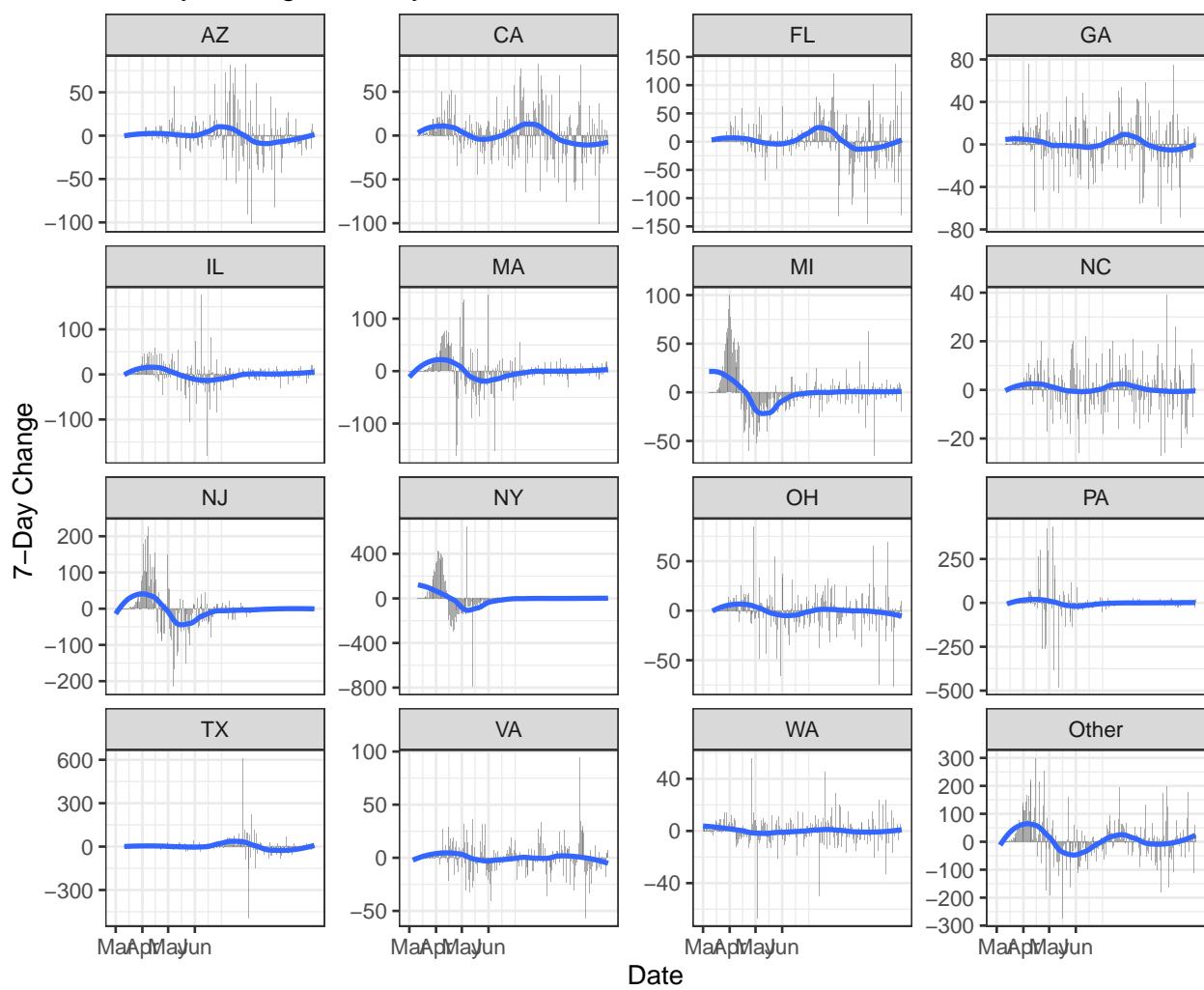
Deaths by State

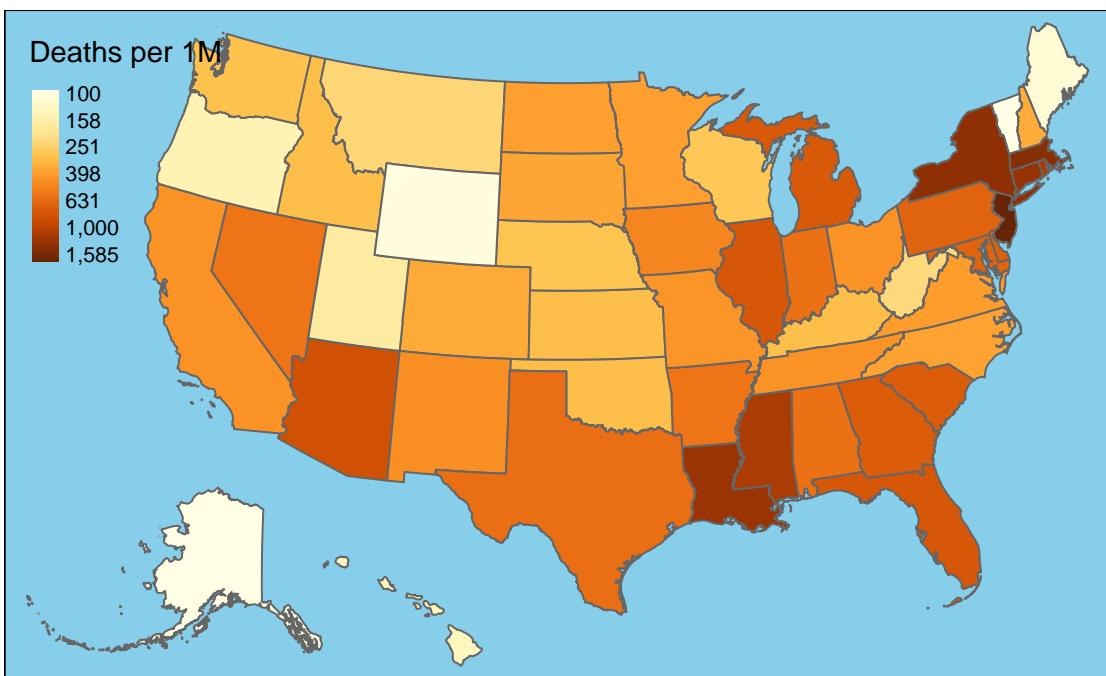
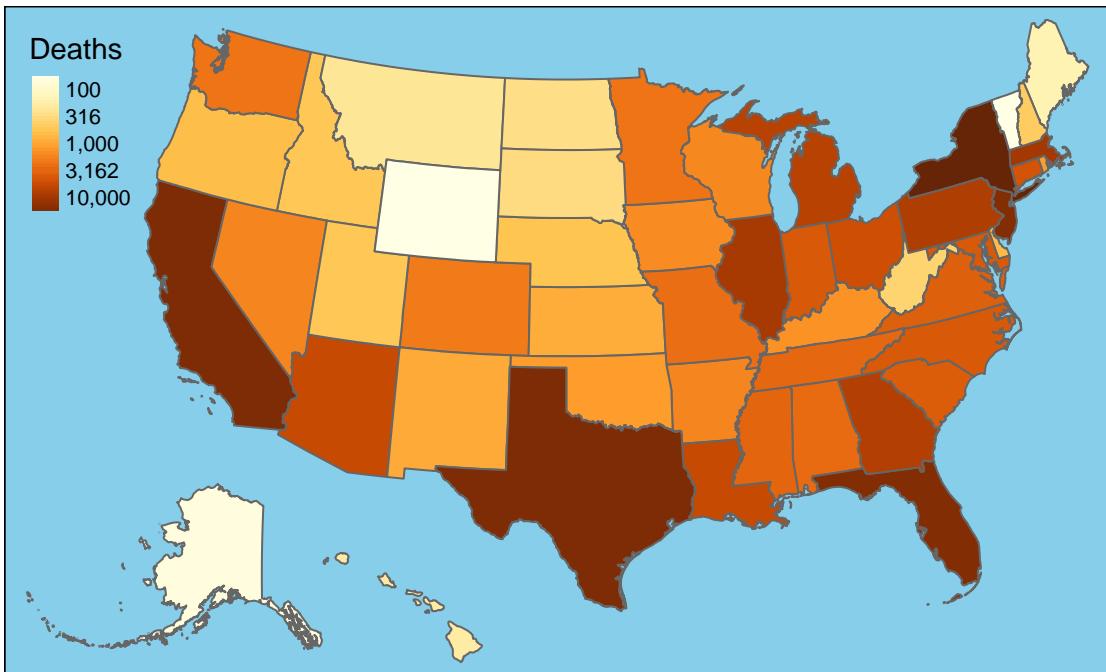


## New Deaths by State



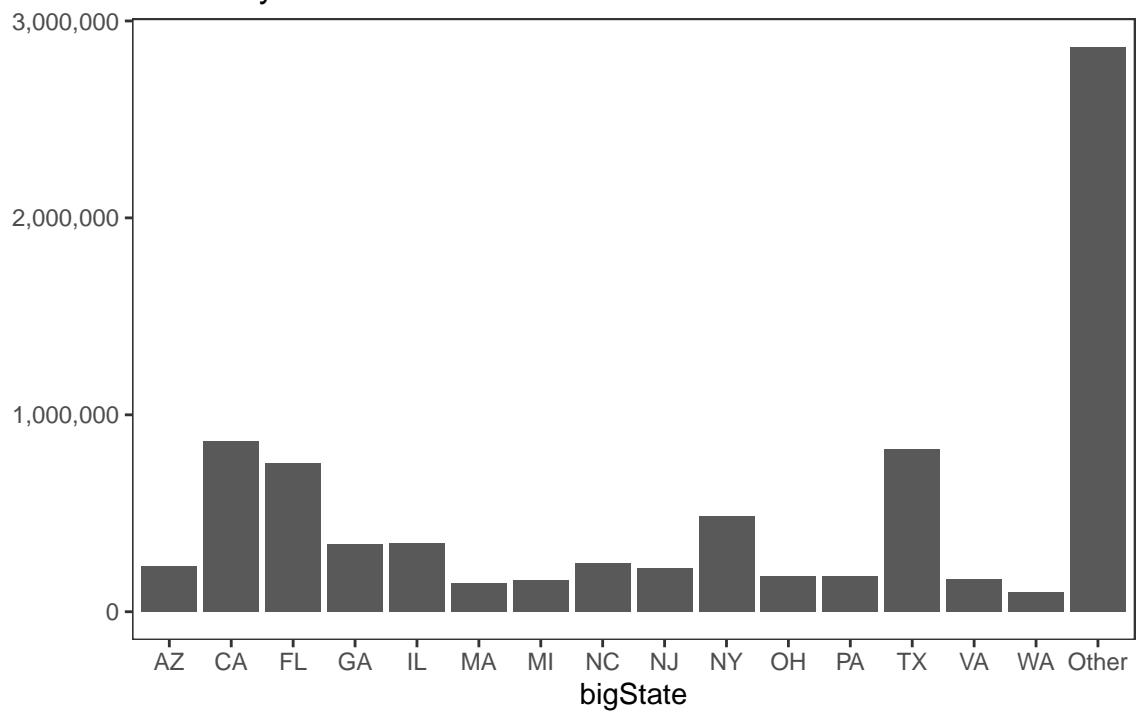
### 7-Day Change in Daily Deaths



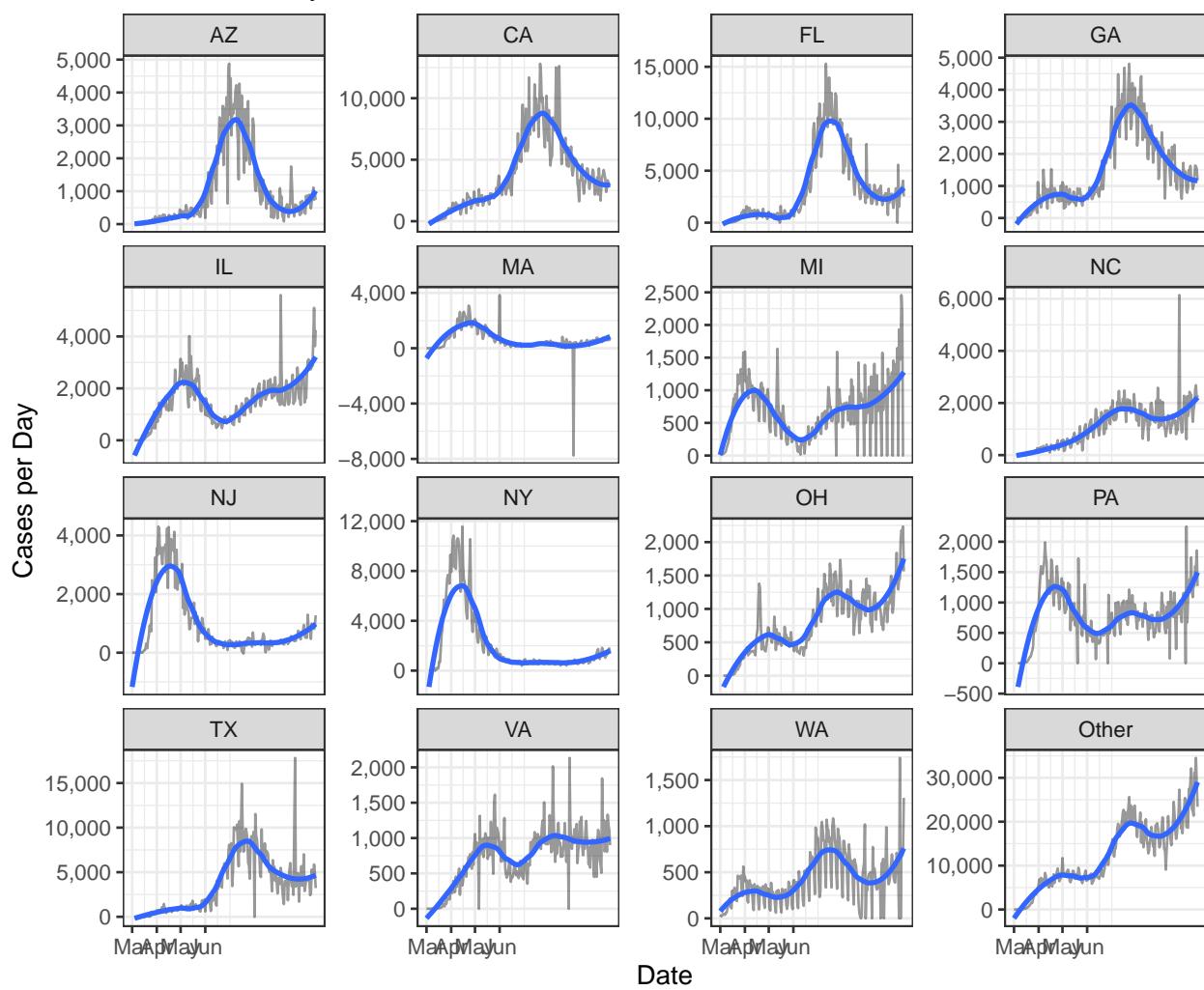


Cases

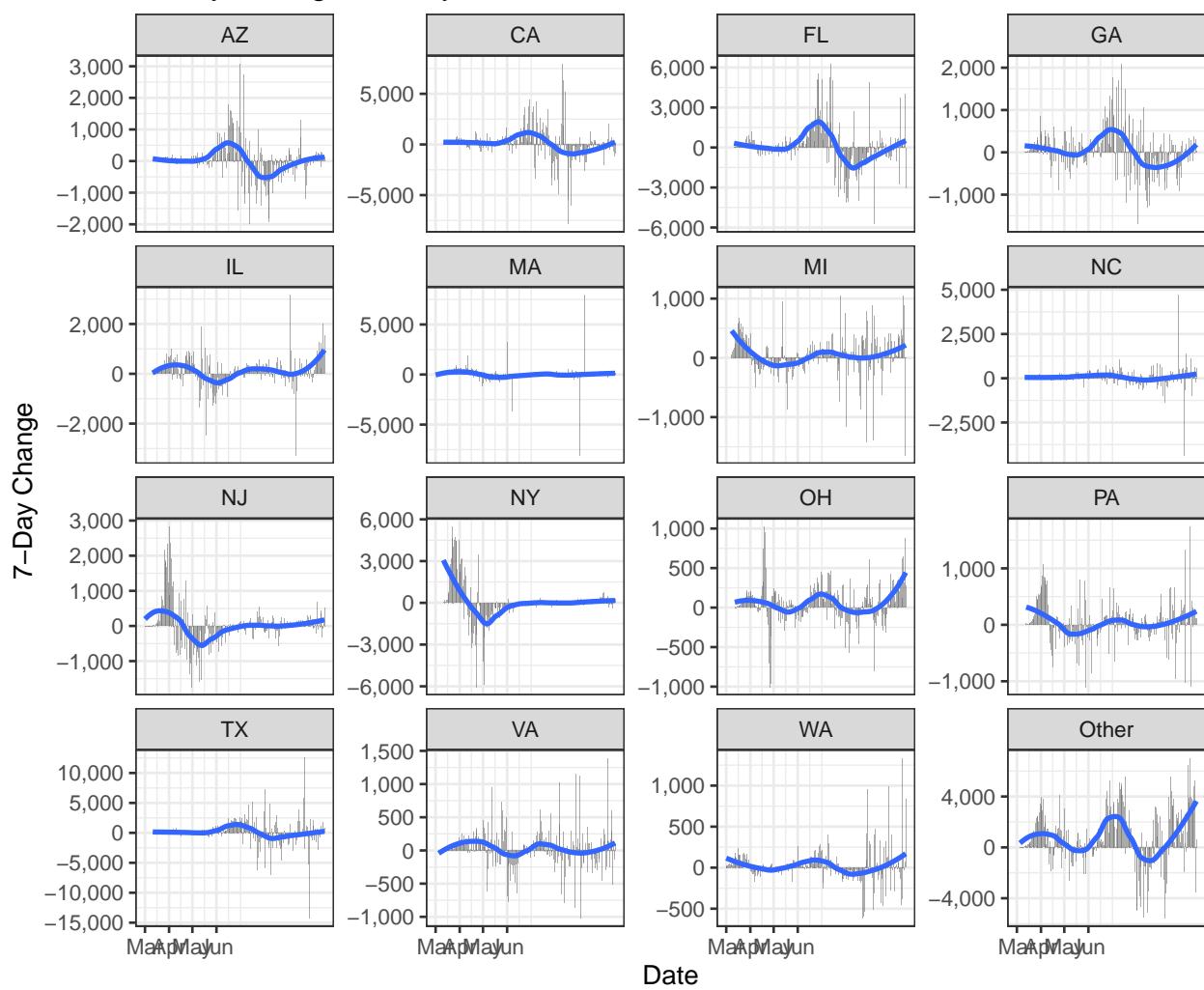
Cases by State

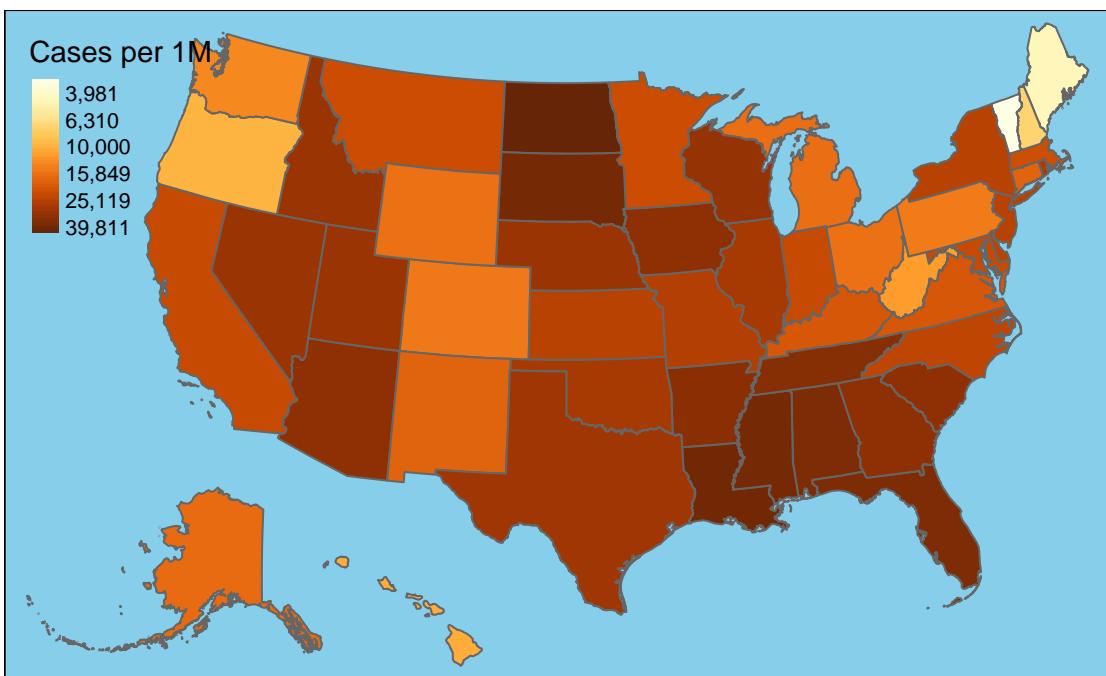
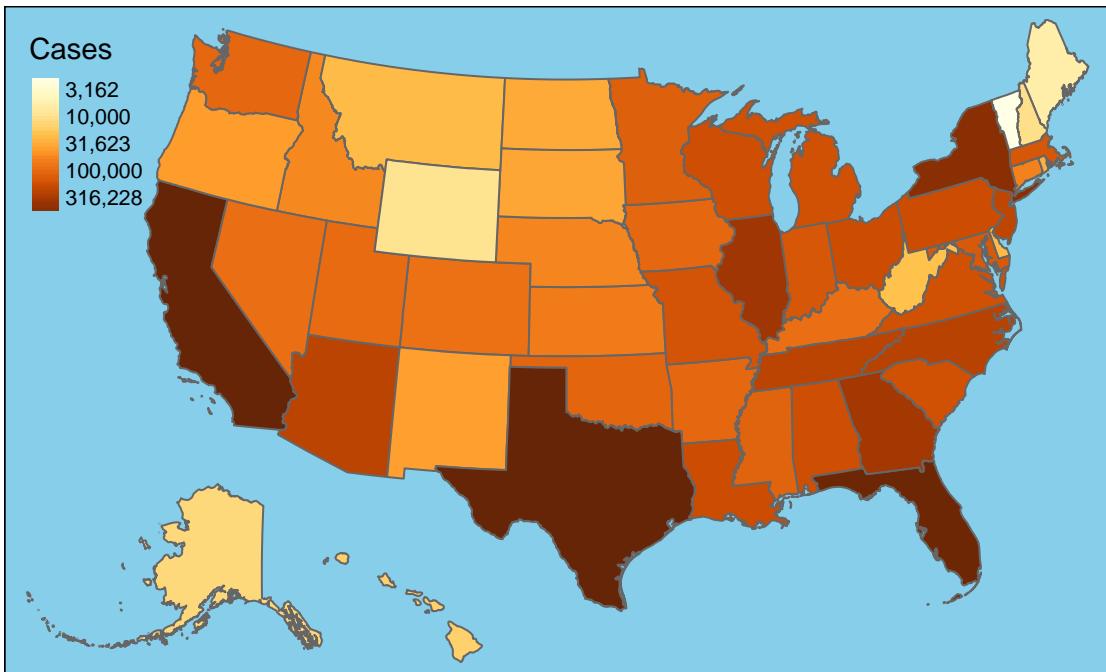


## New Cases by State

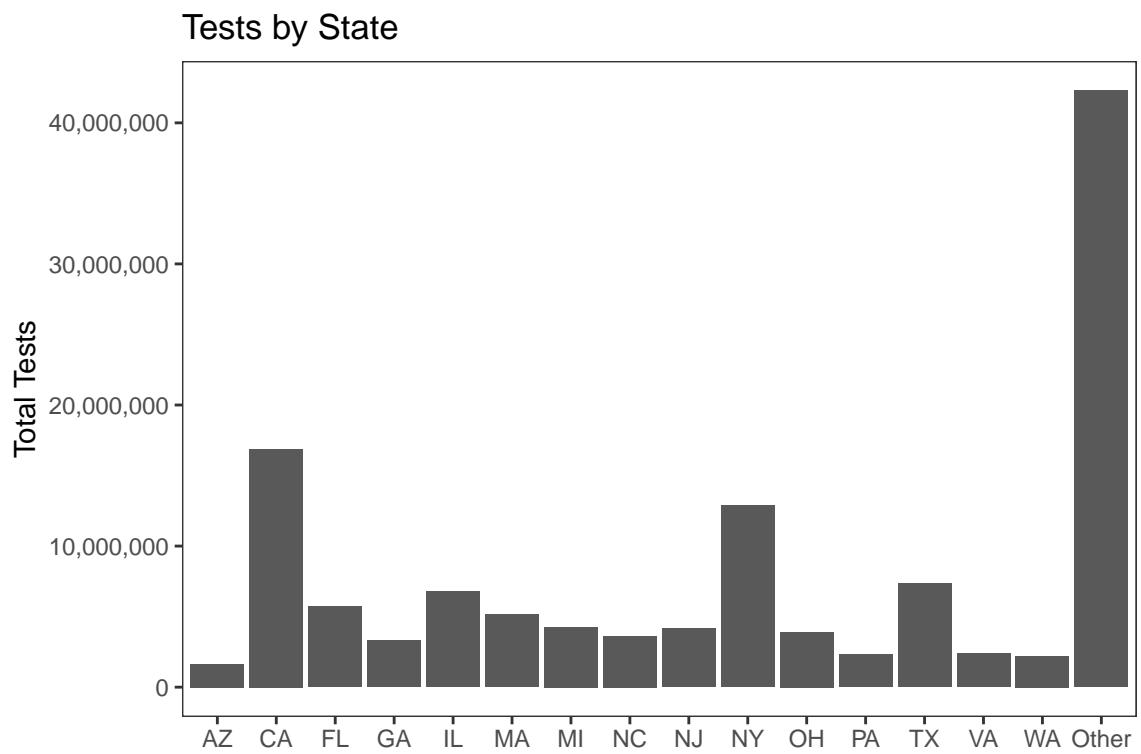


## 7-Day Change in Daily Cases

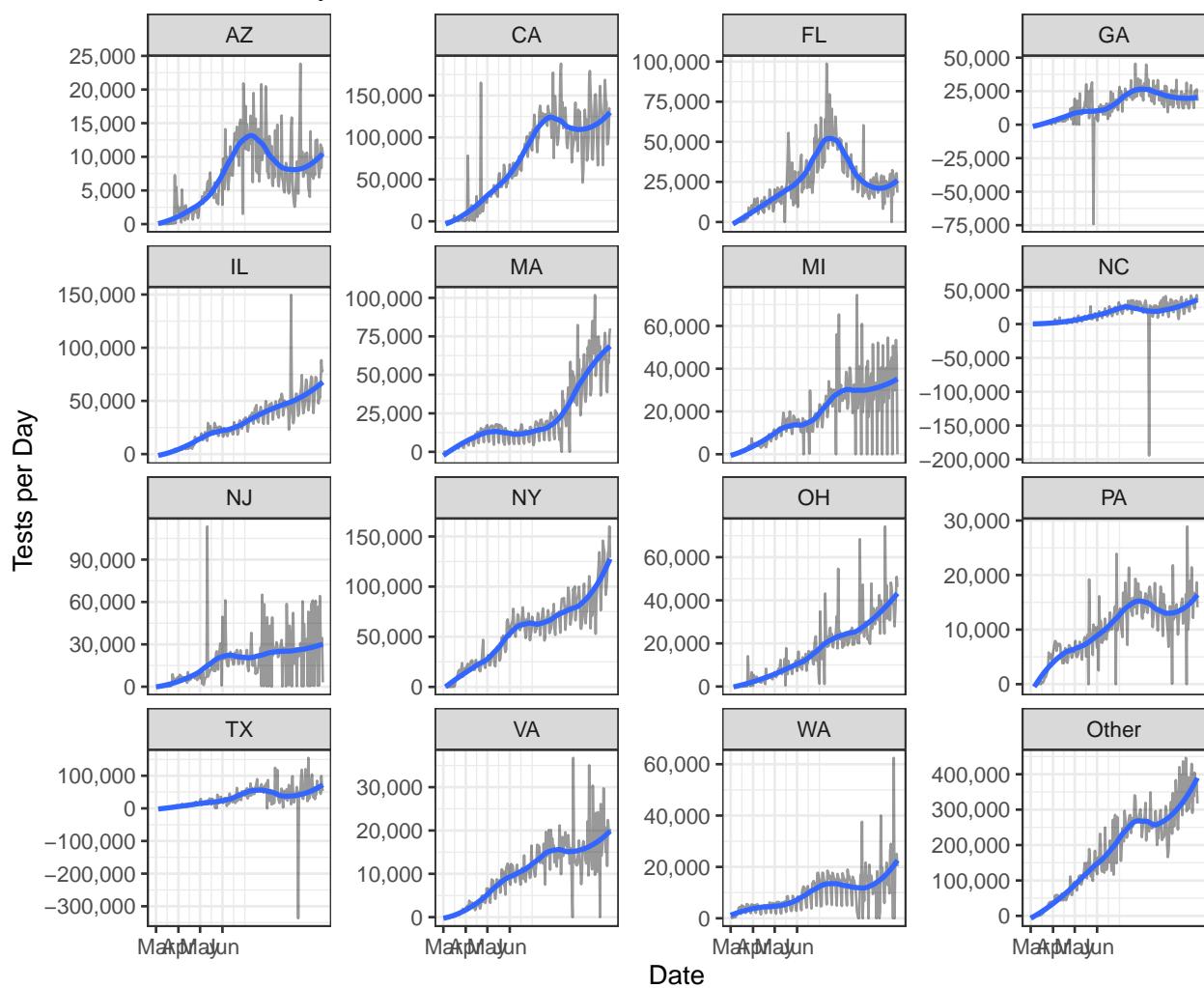


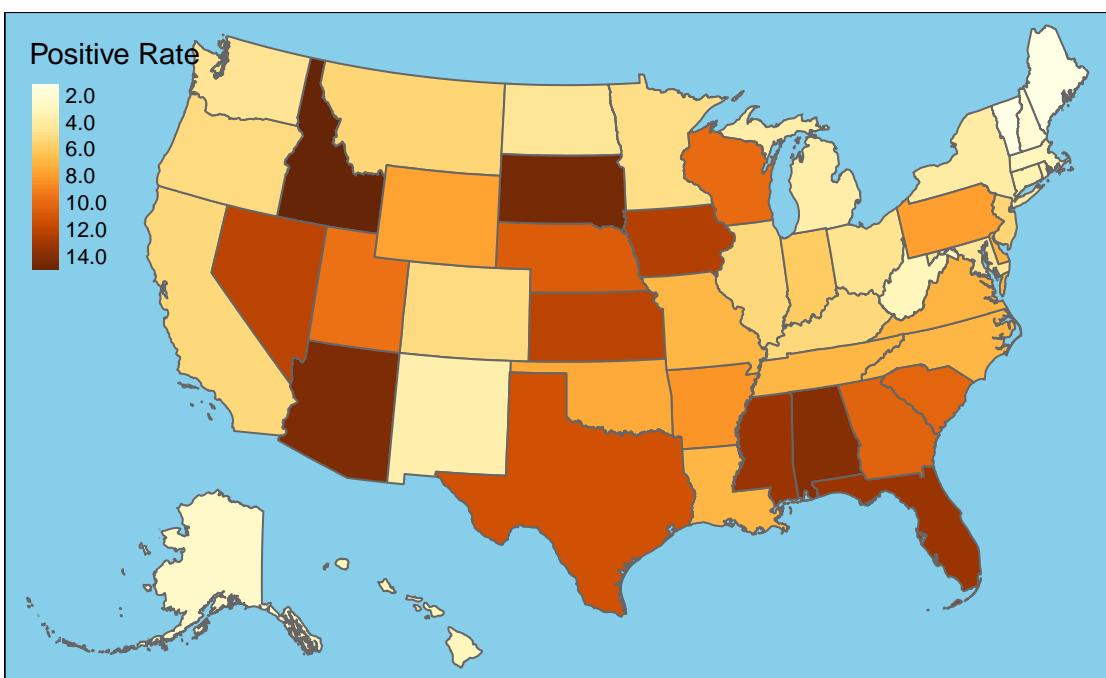
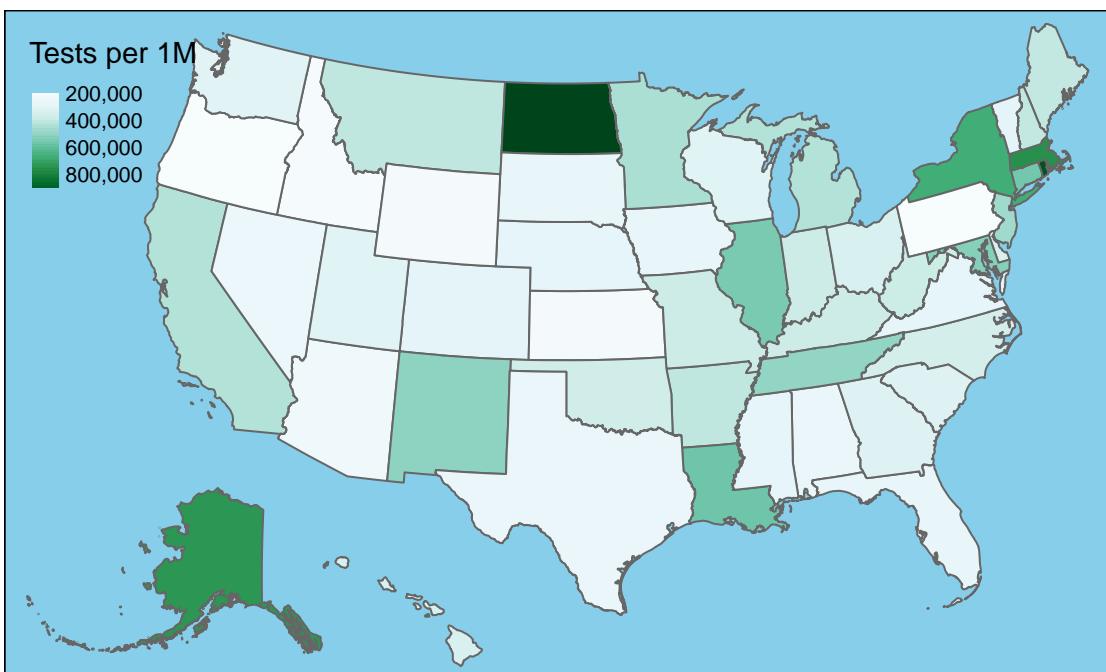


## Testing



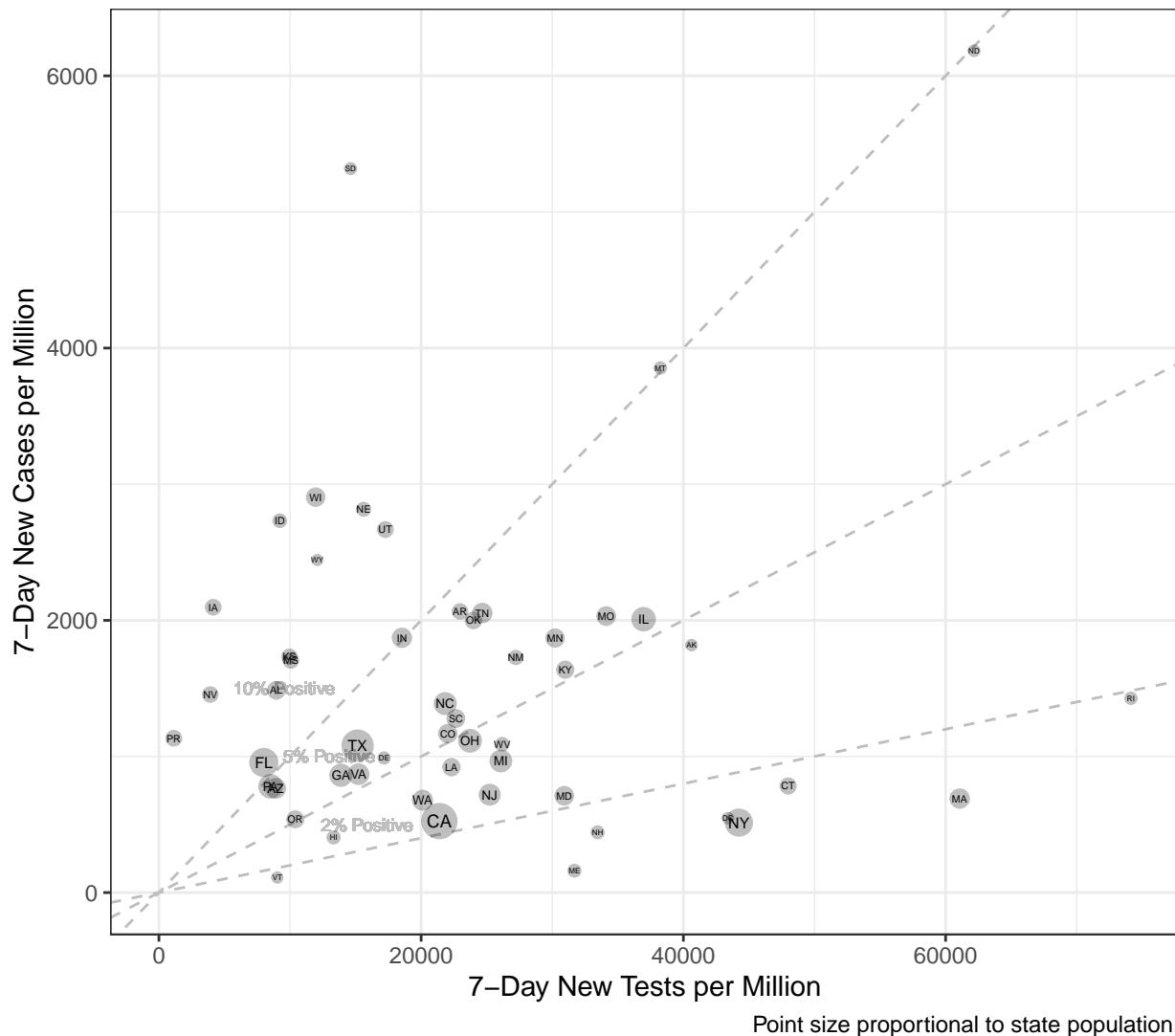
## New Tests by State





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



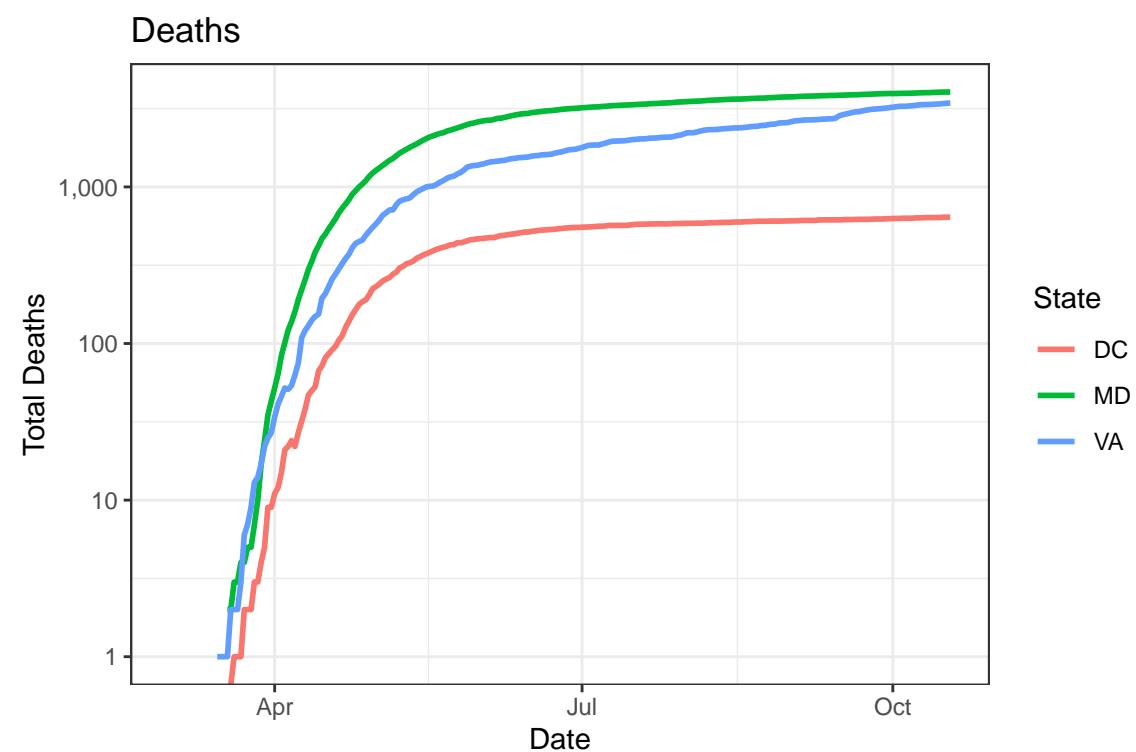
## Local Data

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

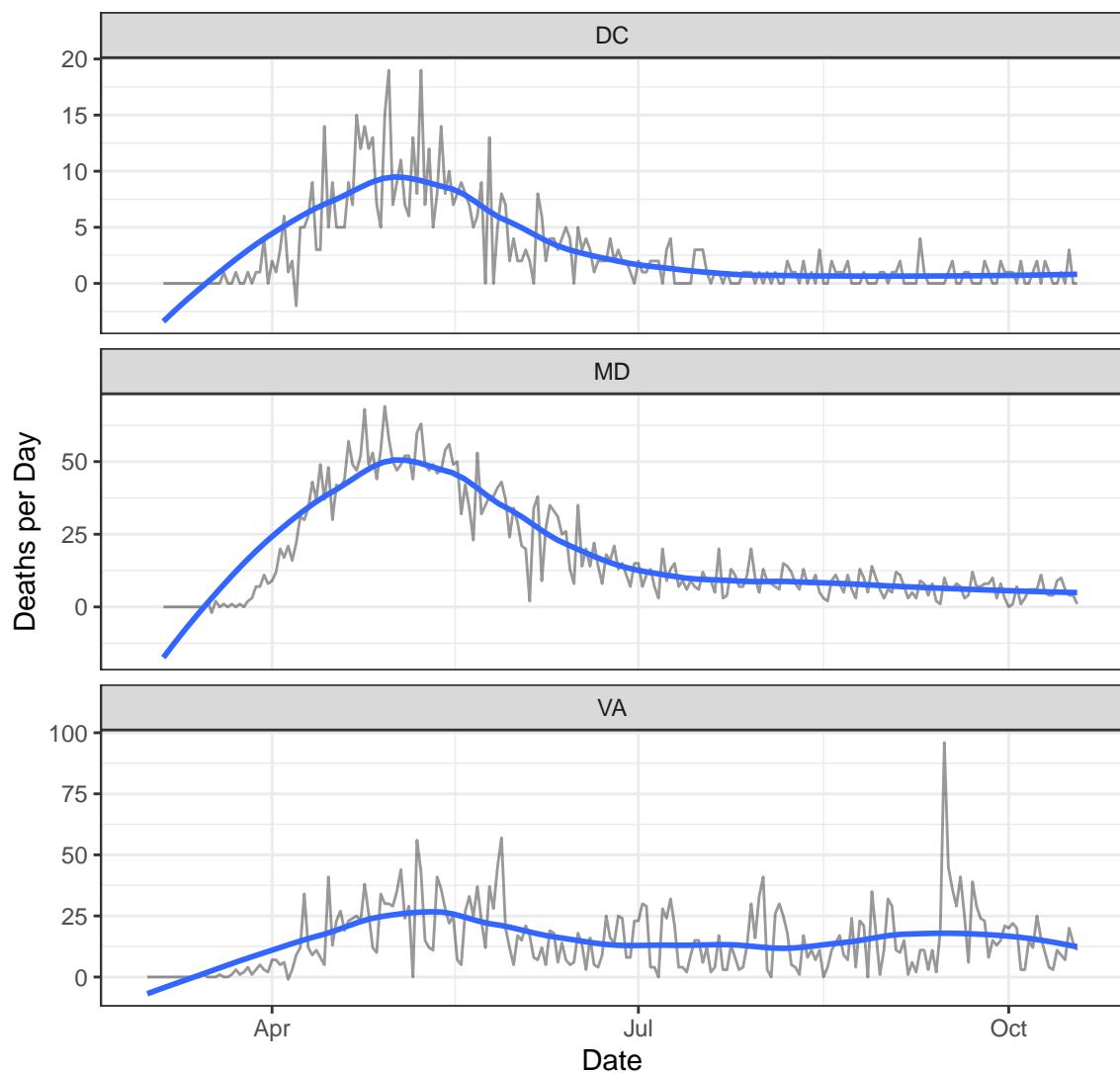
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	16,370	641	36	0
MD	135,657	4,037	530	1
VA	166,138	3,433	900	11

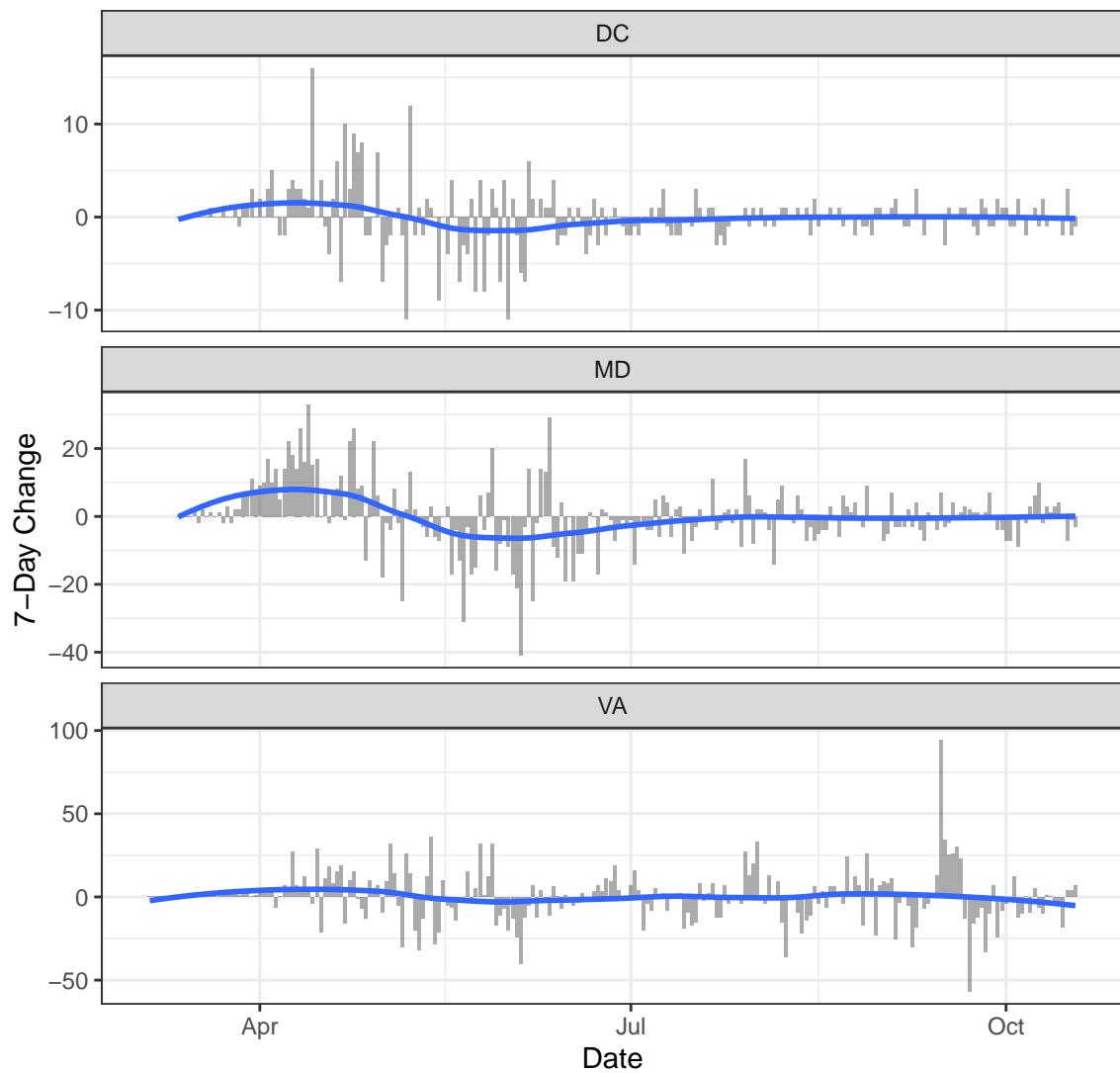
## Deaths

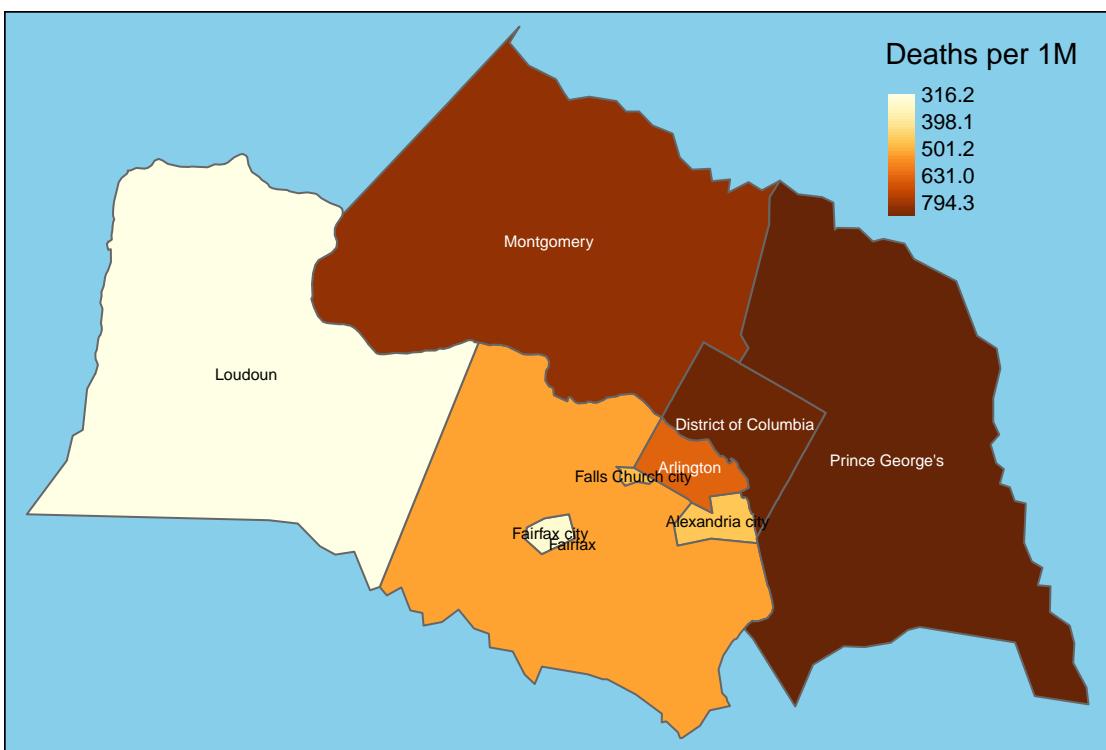
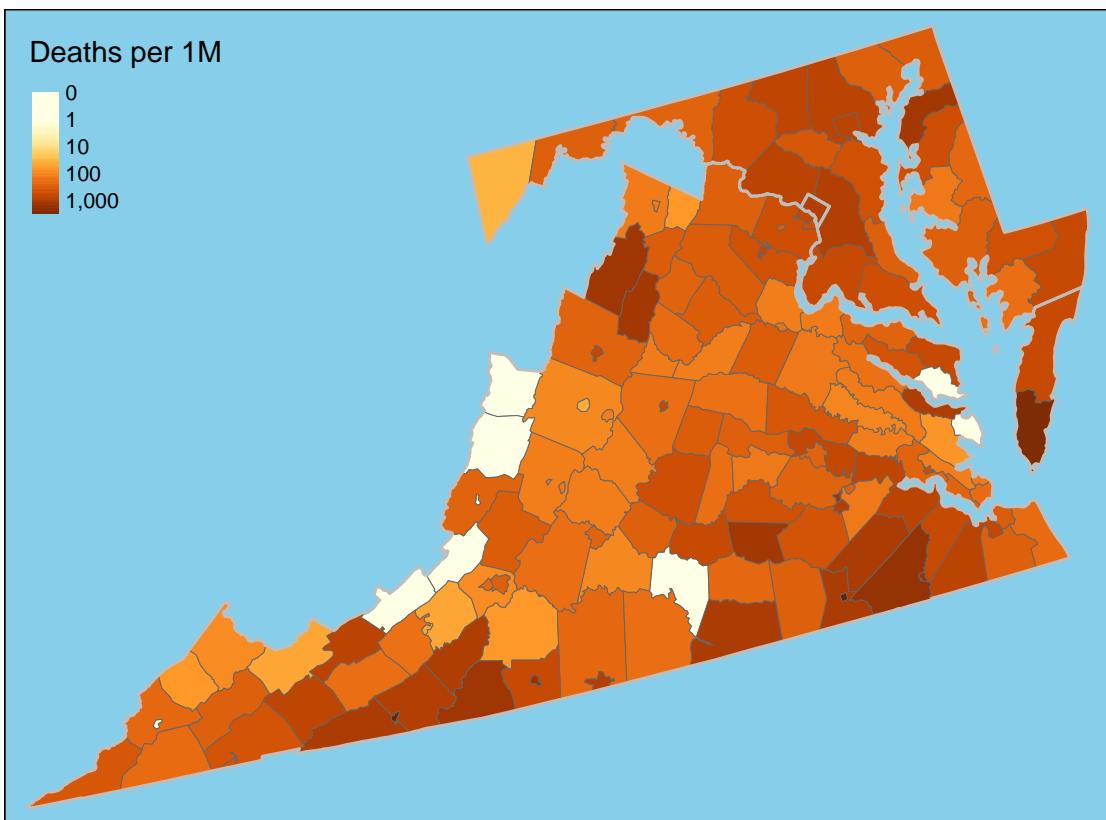


## New Deaths

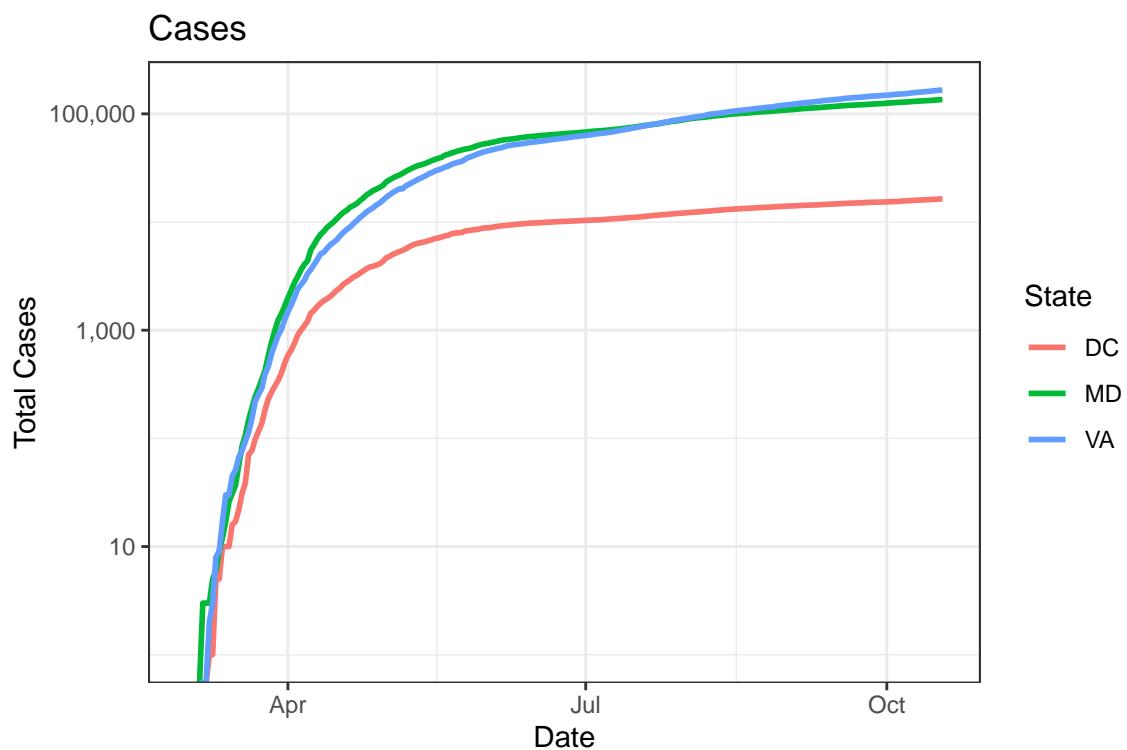


## One-Week Change in Daily Deaths

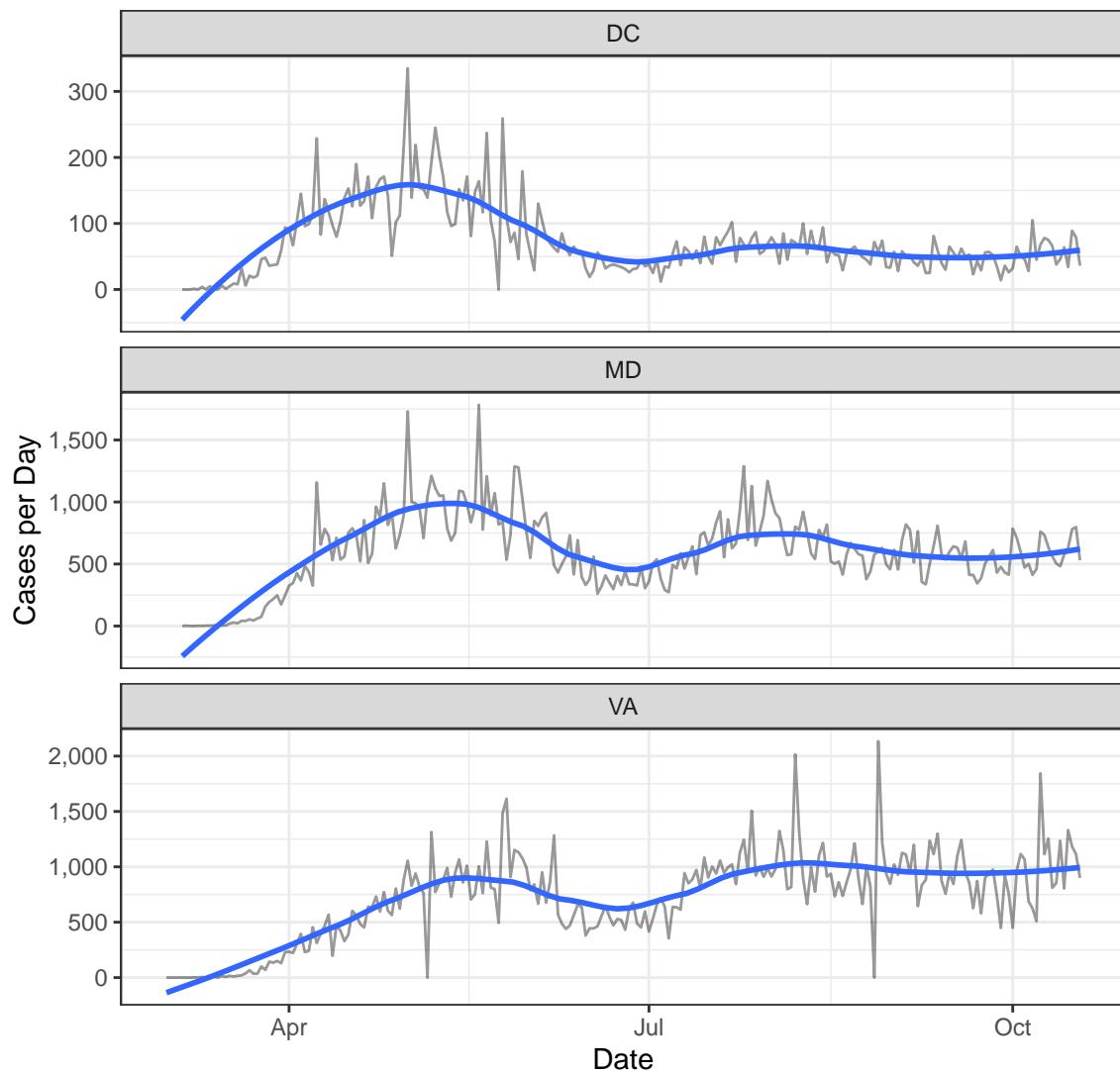




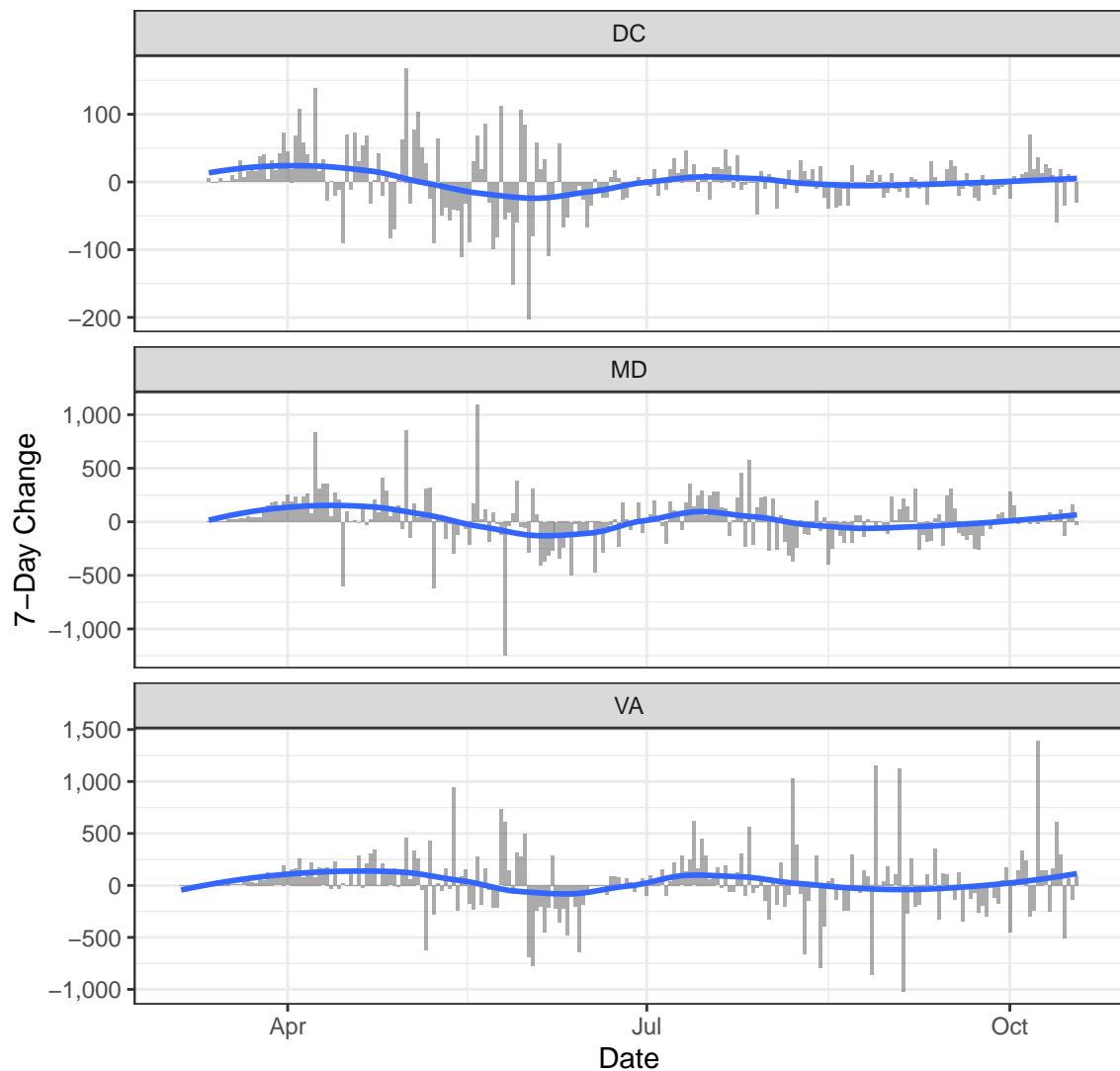
Cases

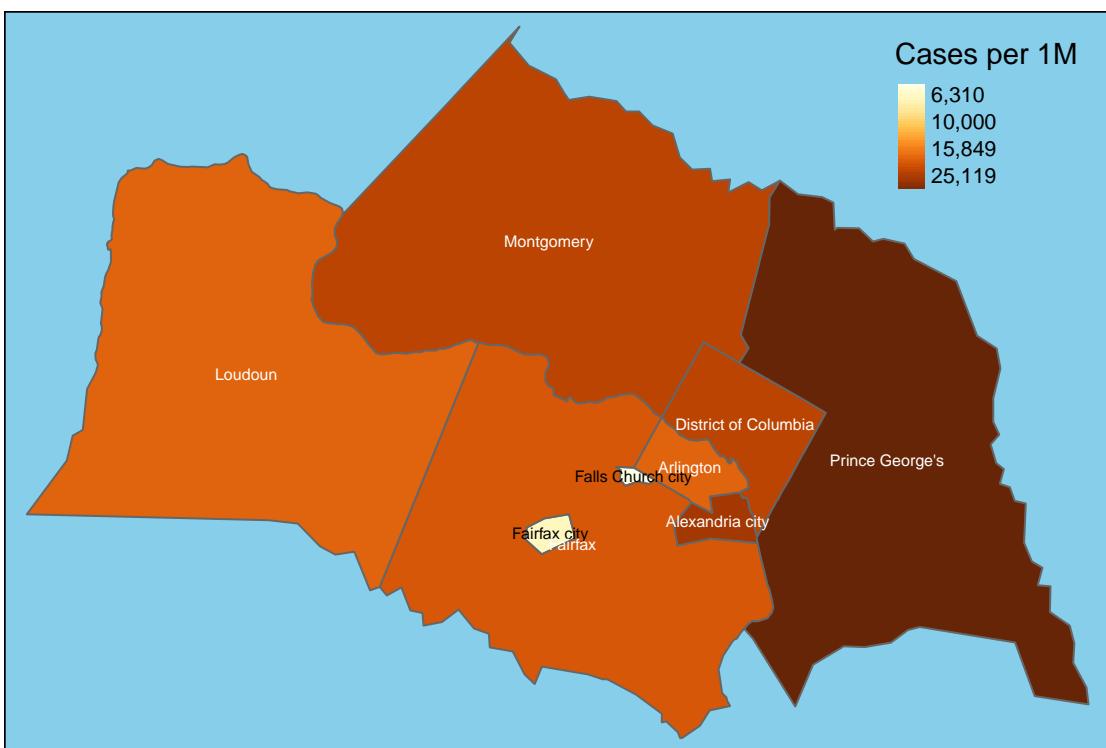
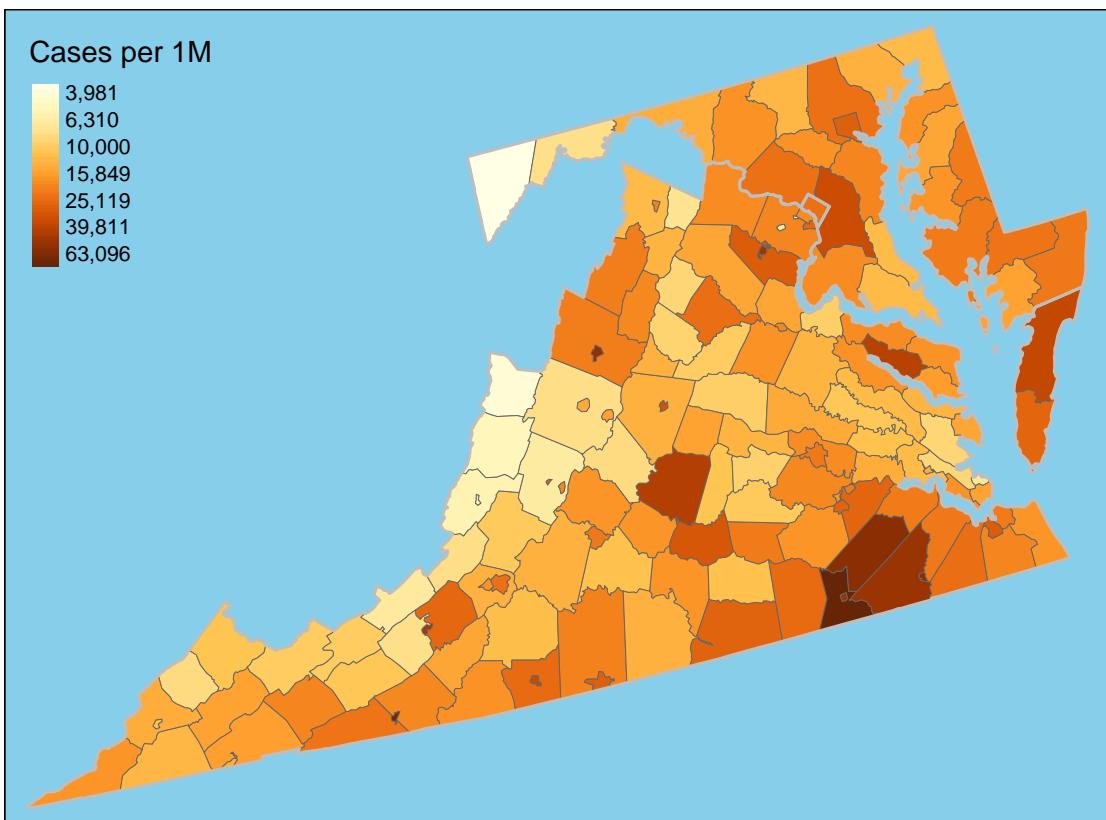


## New Cases

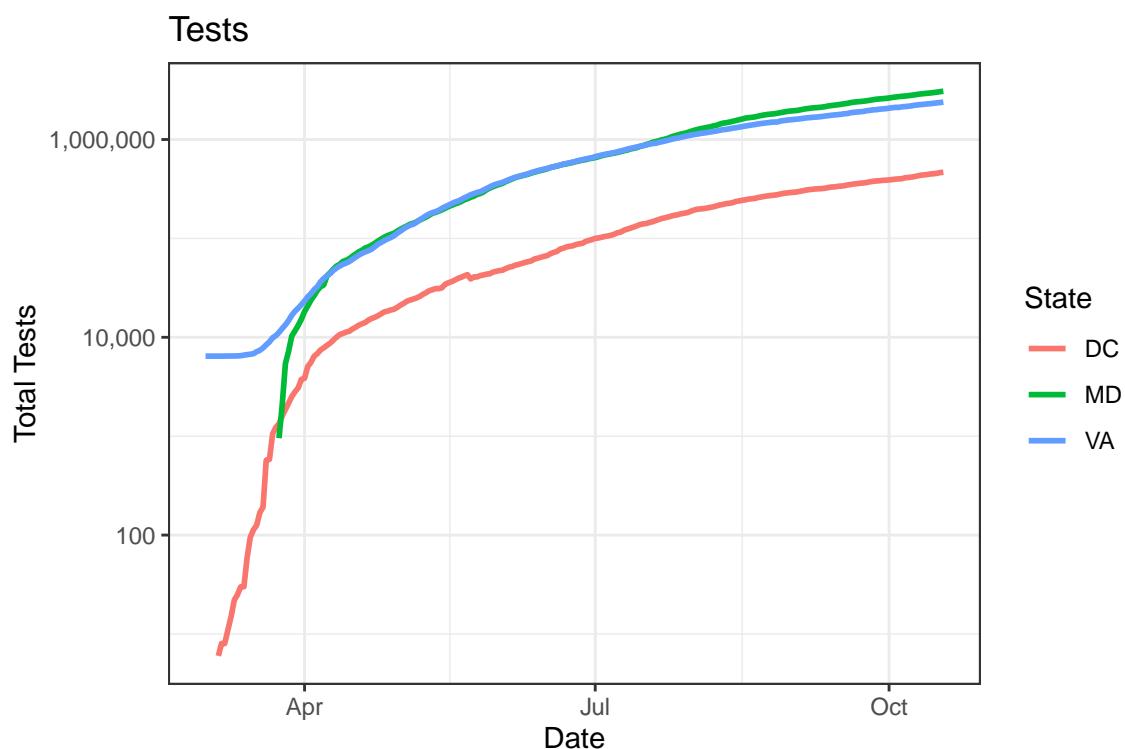


## One-Week Change in Daily Cases

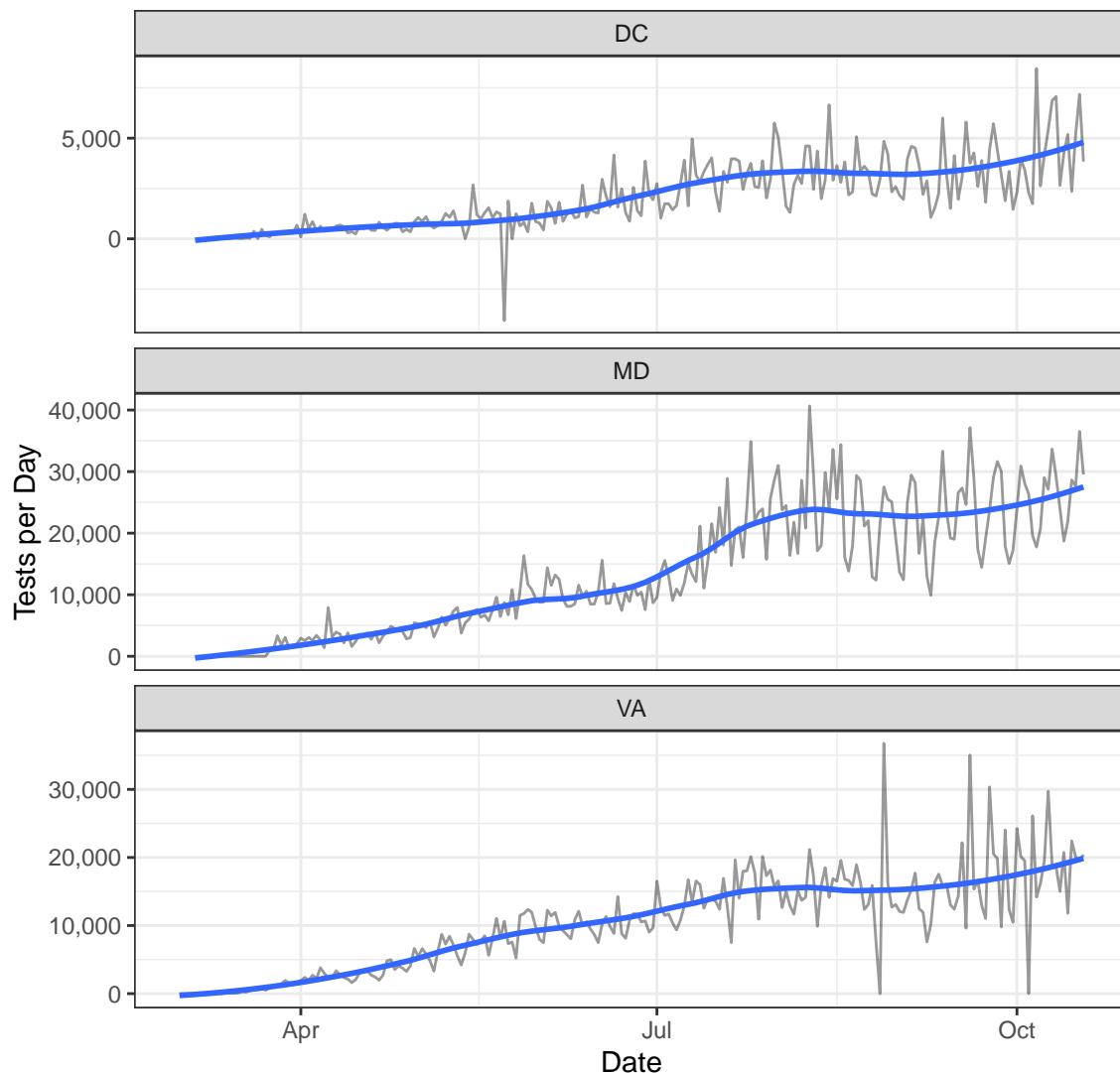




## Testing



## New Tests



## Positive Test Rate

