

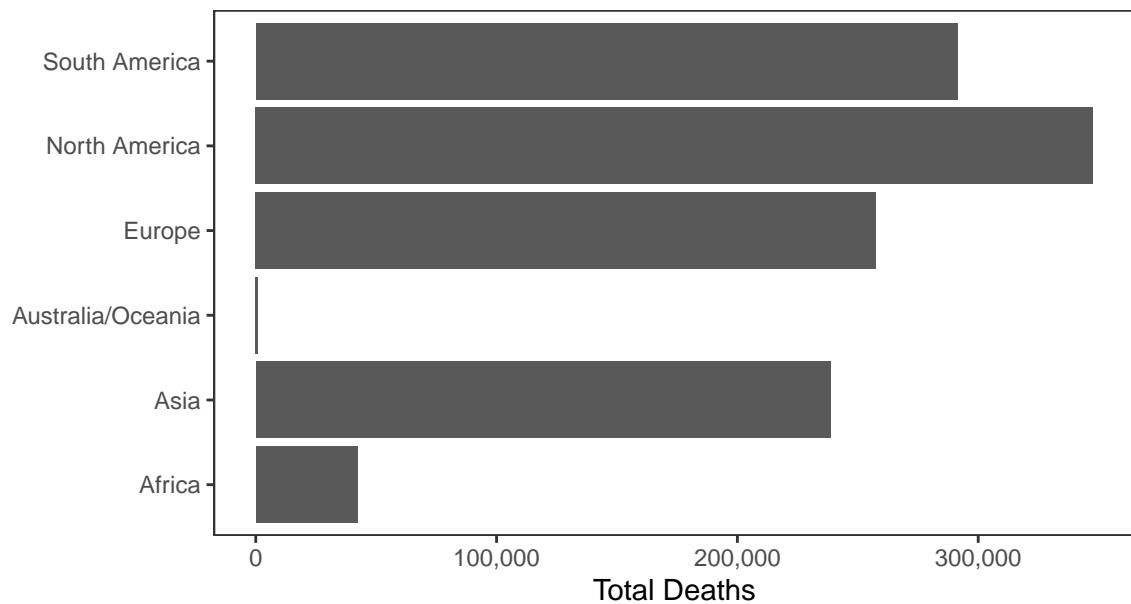
# Erik's Covid-19 Chart Pack

Data updated 2020-10-29 06:46:09. 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 44,742,592 confirmed Covid-19 cases and 1,178,568 deaths worldwide.

**Deaths**



**Cases**

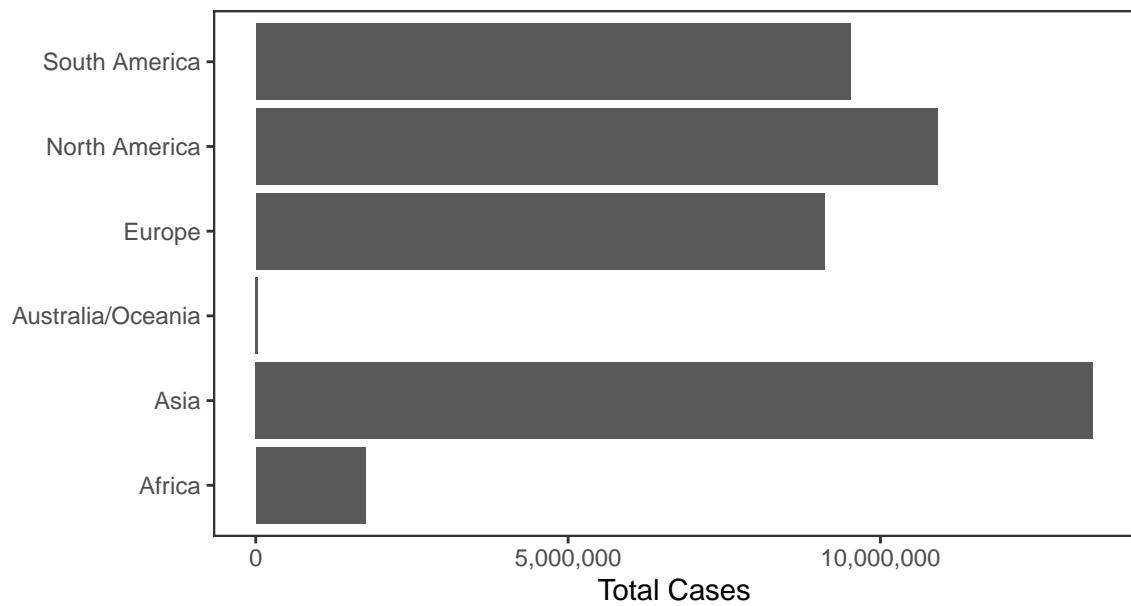
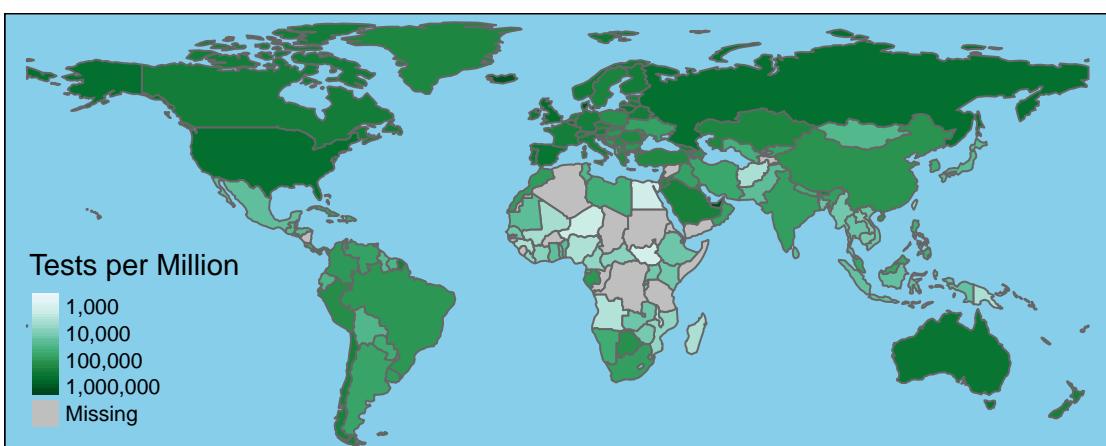
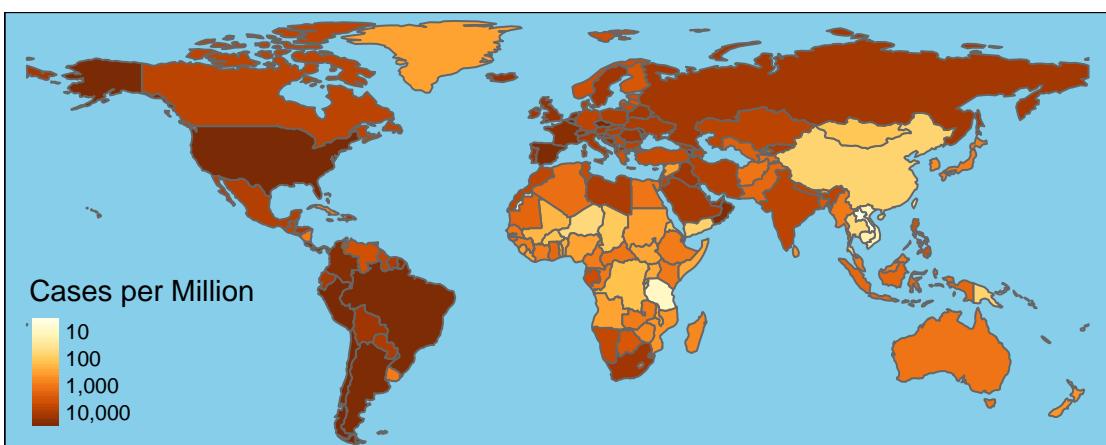
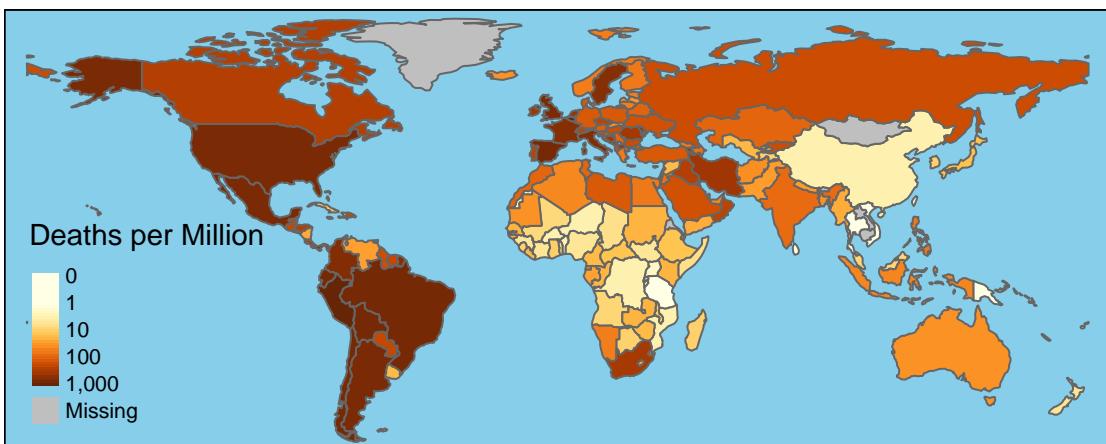


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	9,120,751	233,130	81,581	1,030
India	8,038,765	120,563	49,912	509
Brazil	5,469,755	158,468	28,852	487
Russia	1,563,976	26,935	16,202	346
France	1,235,132	35,785	36,437	244
Spain	1,194,681	35,466	19,765	168
Argentina	1,130,533	30,071	13,924	341
Colombia	1,041,935	30,753	8,717	188
UK	942,275	45,675	24,701	310
Mexico	901,268	89,814	5,942	643
Peru	894,928	34,315	2,431	58
South Africa	719,714	19,111	1,863	58
Italy	589,766	37,905	24,991	205
Iran	588,648	33,714	6,824	415
Chile	505,530	14,032	1,005	6
Germany	479,621	10,359	16,202	96
Iraq	463,951	10,770	4,043	46
Bangladesh	403,079	5,861	1,493	23
Indonesia	400,483	13,612	4,029	100
Philippines	375,174	7,114	2,047	61



## National Data

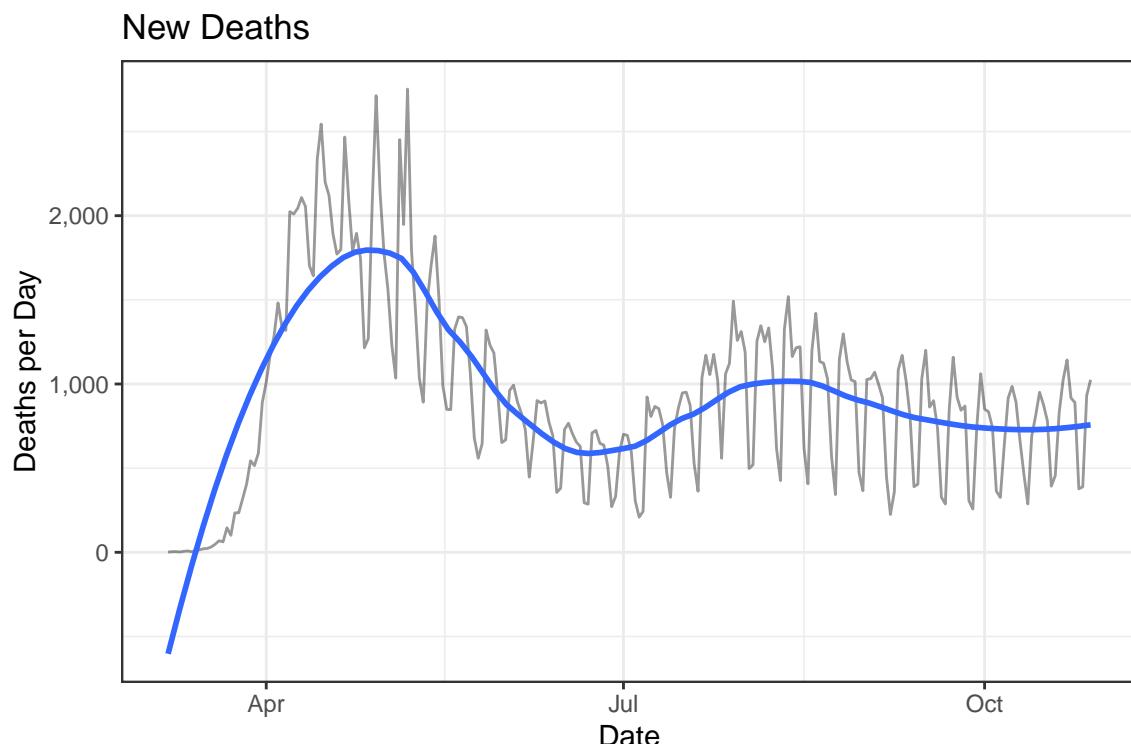
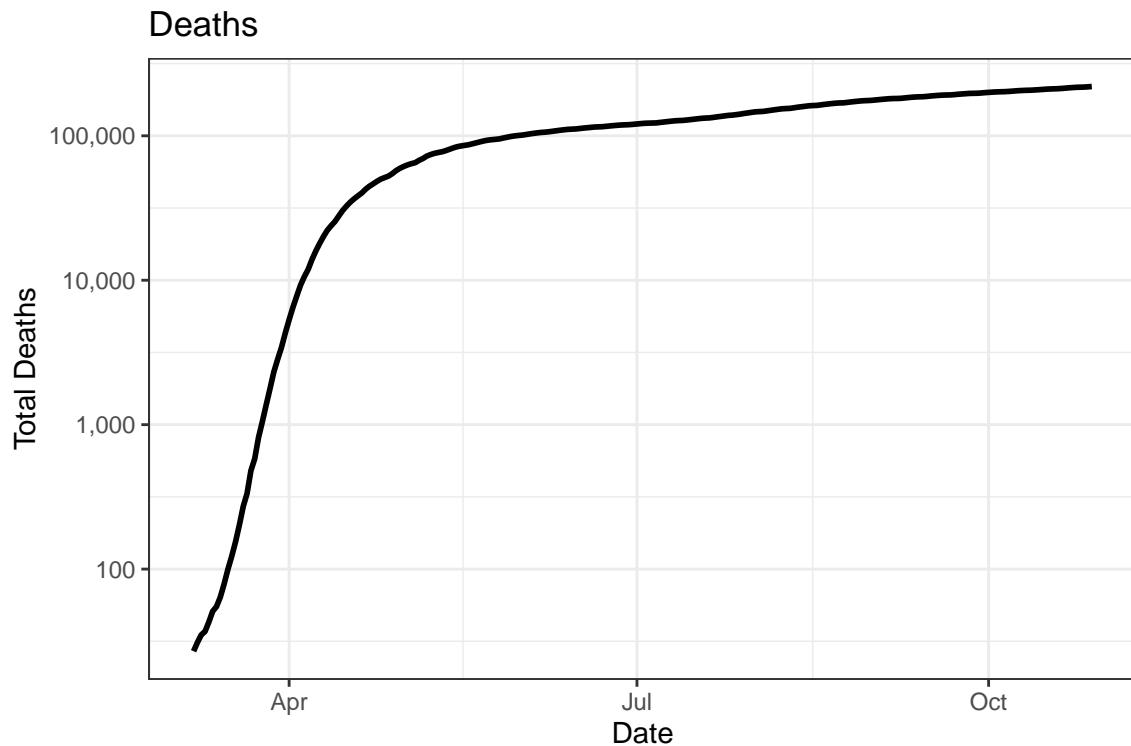
There have been 8,802,099 confirmed Covid-19 cases and 219,374 deaths in the United States.

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

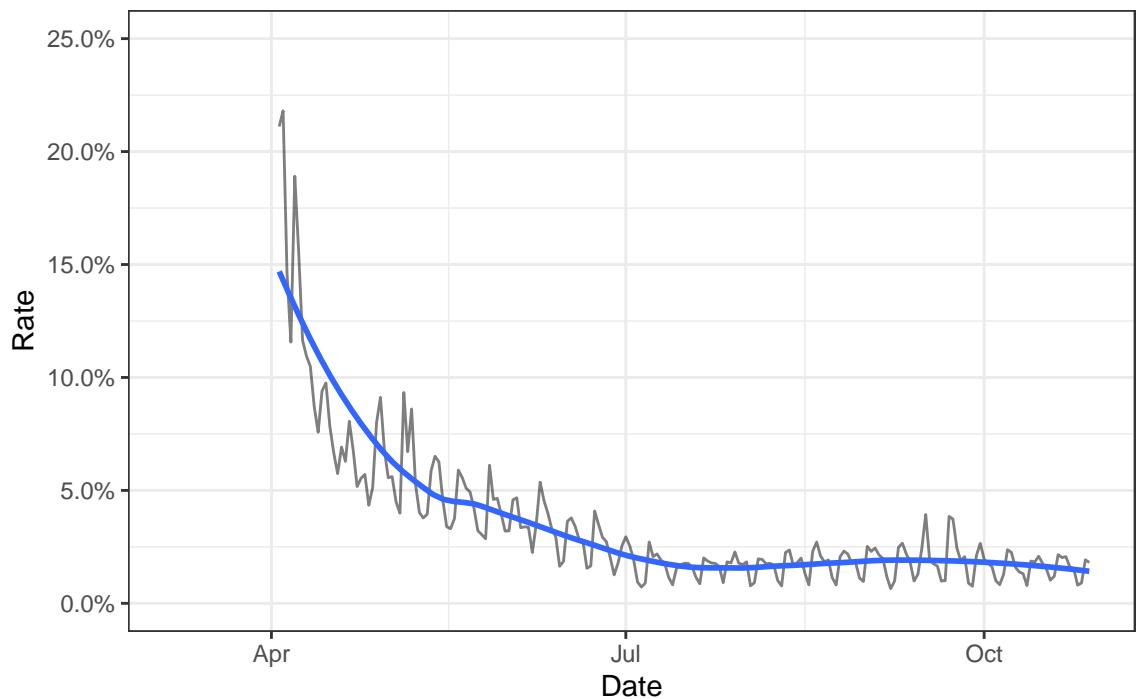
Date	Cases	Deaths	New Cases	New Deaths
2020-10-28	8,802,099	219,374	78,661	1,025
2020-10-27	8,723,438	218,349	73,096	931
2020-10-26	8,650,342	217,418	62,274	389
2020-10-25	8,588,068	217,029	65,650	377
2020-10-24	8,522,418	216,652	82,925	890
2020-10-23	8,439,493	215,762	83,057	917
2020-10-22	8,356,436	214,845	73,007	1,143
2020-10-21	8,283,429	213,702	60,712	1,024
2020-10-20	8,222,717	212,678	60,558	832
2020-10-19	8,162,159	211,846	57,132	456
2020-10-18	8,105,027	211,390	48,857	393
2020-10-17	8,056,170	210,997	57,867	780
2020-10-16	7,998,303	210,217	68,040	877
2020-10-15	7,930,263	209,340	63,102	951

## Deaths

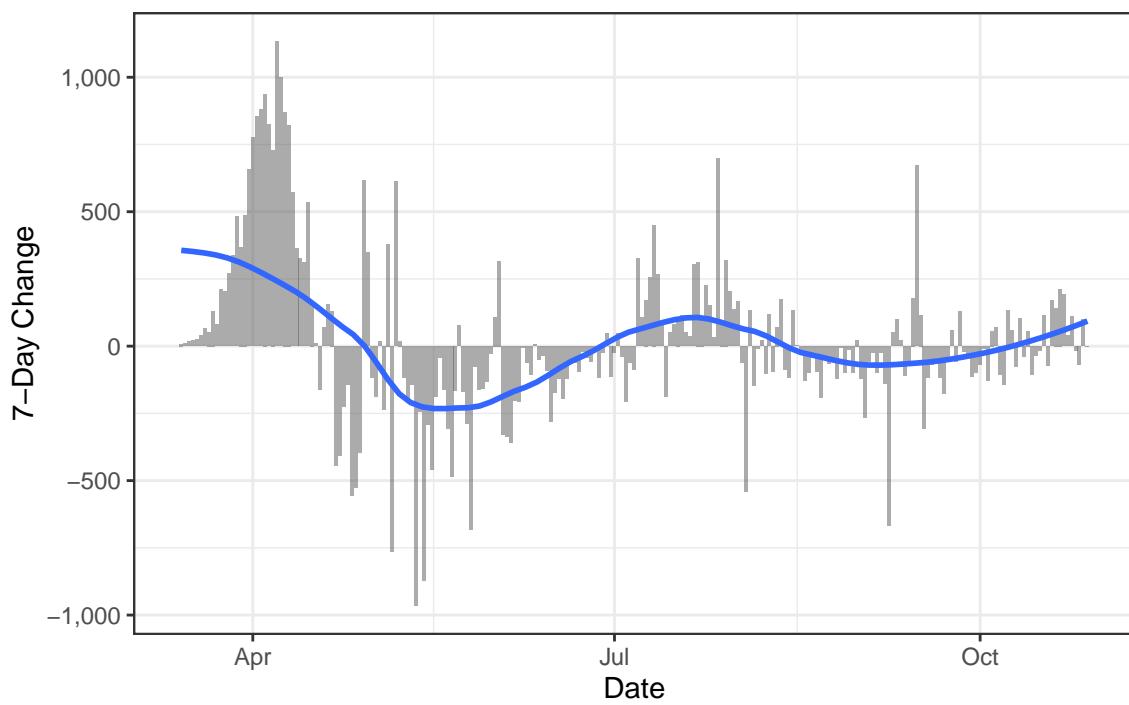
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

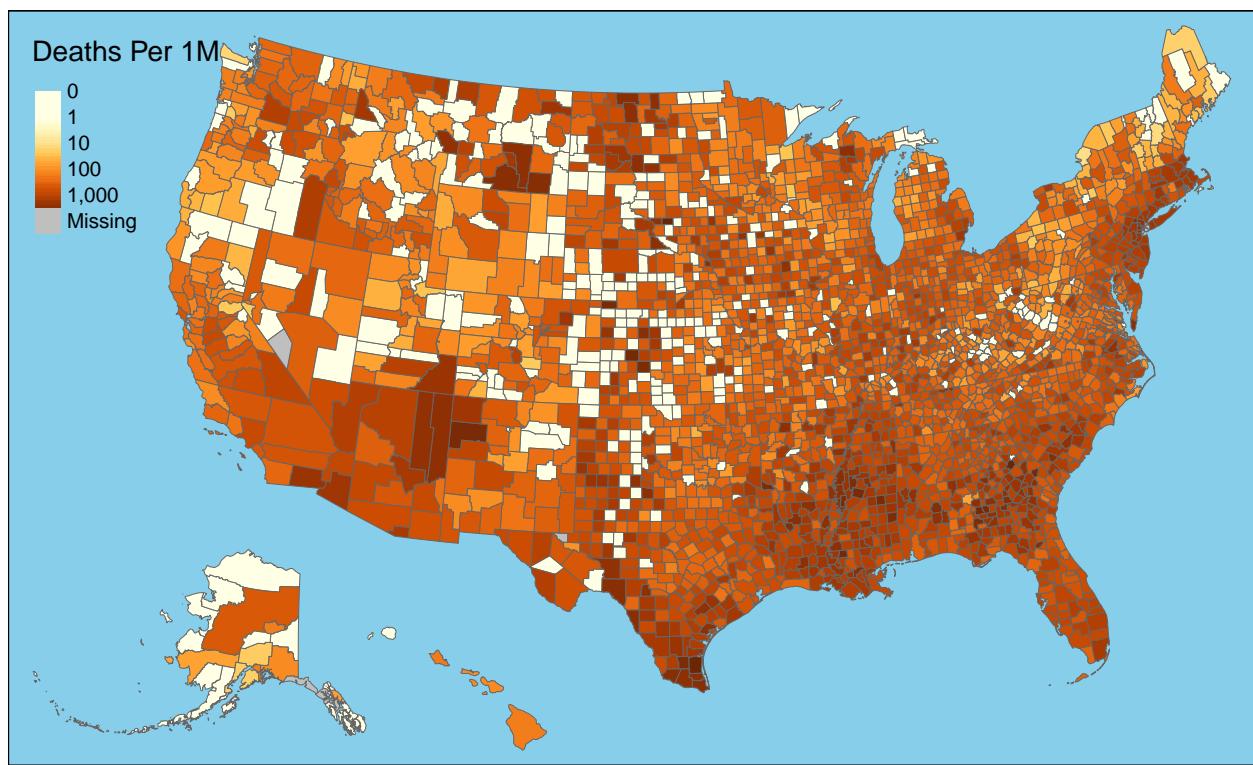


Daily Case Mortality Rate



One-Week Change in Daily Deaths

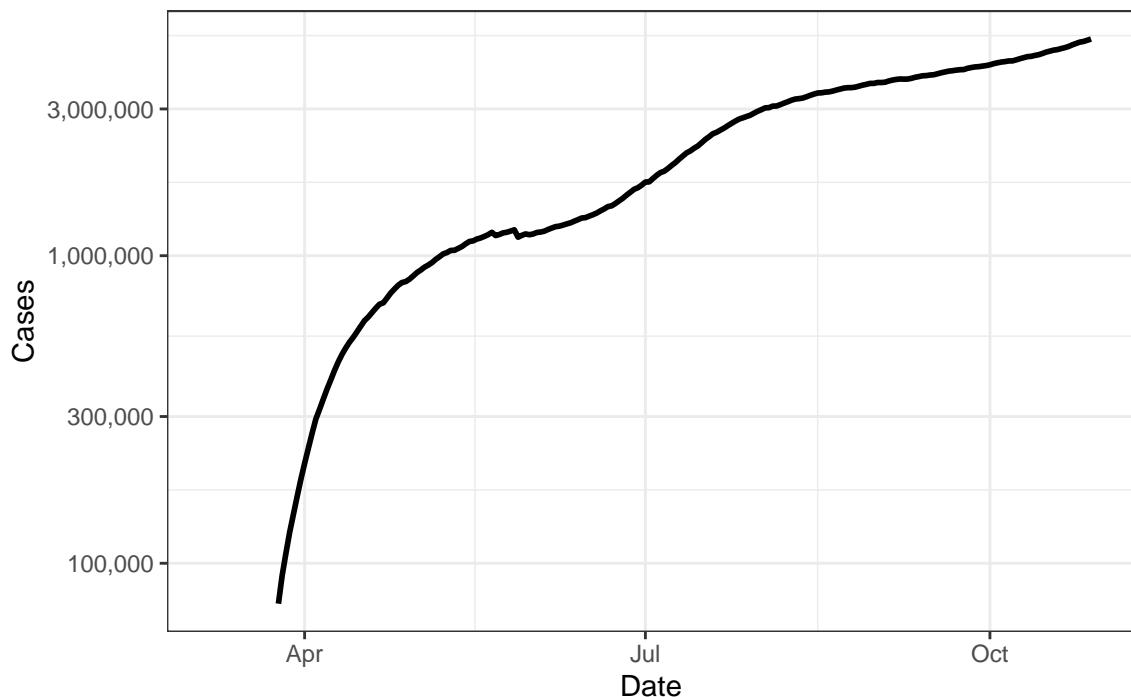




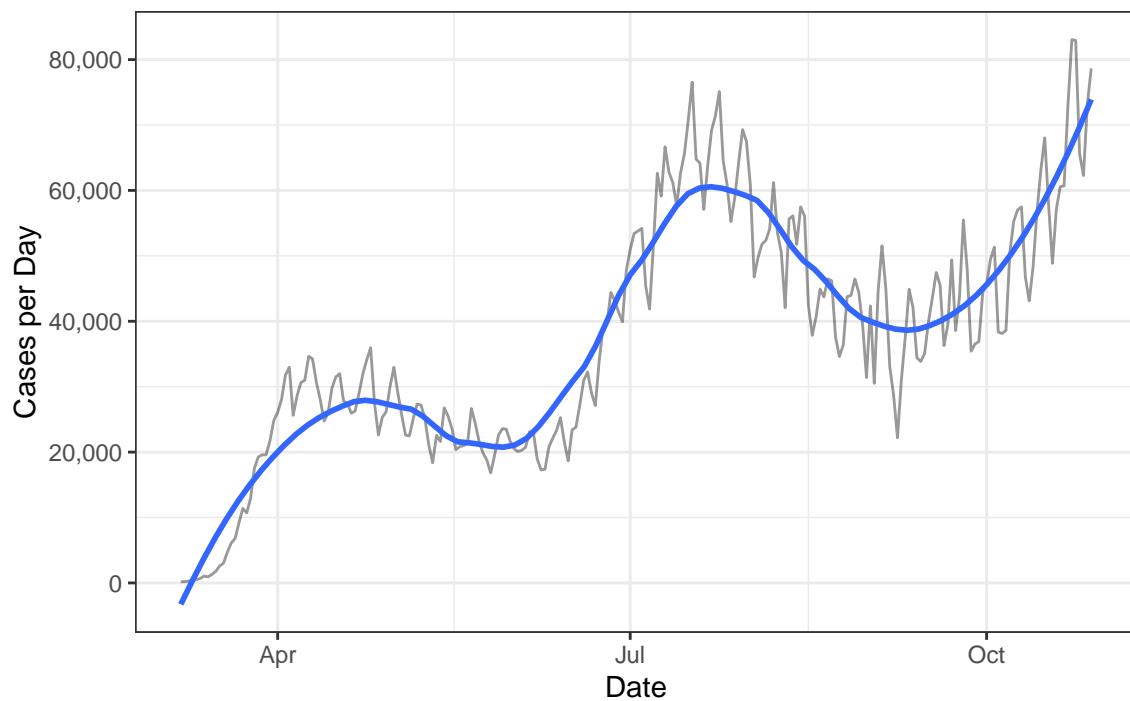
## Cases

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

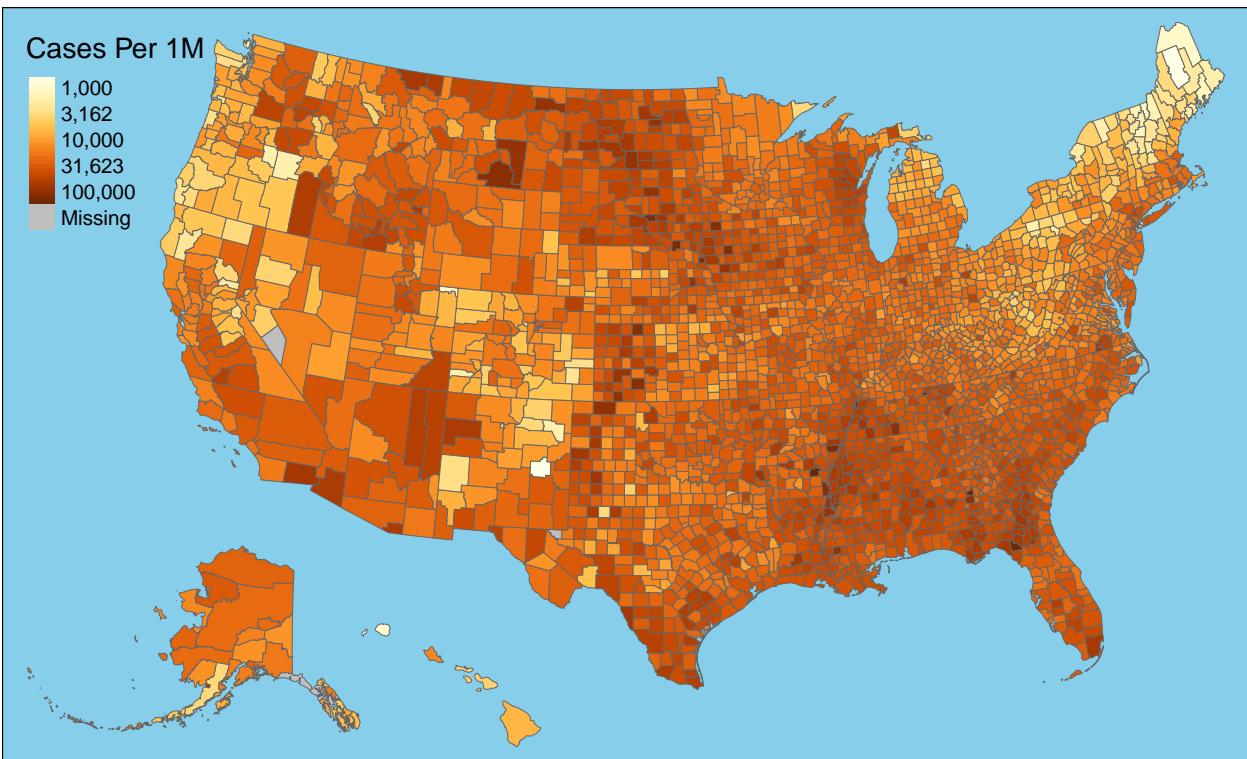
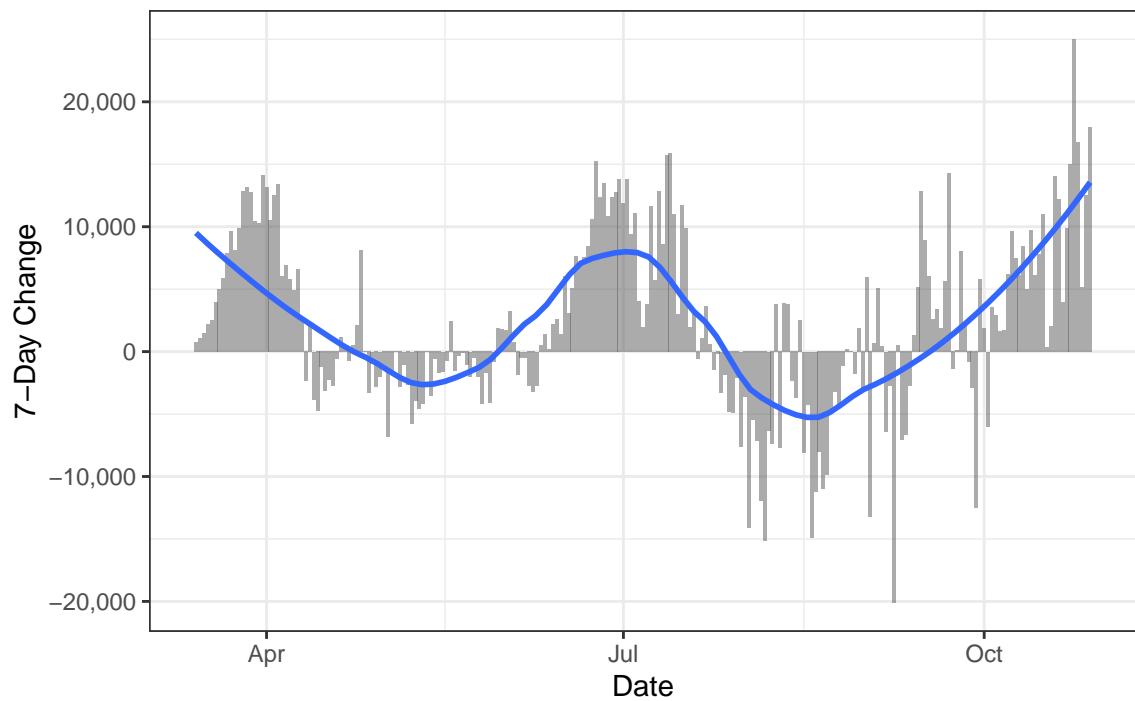
### Active Cases



### New Cases

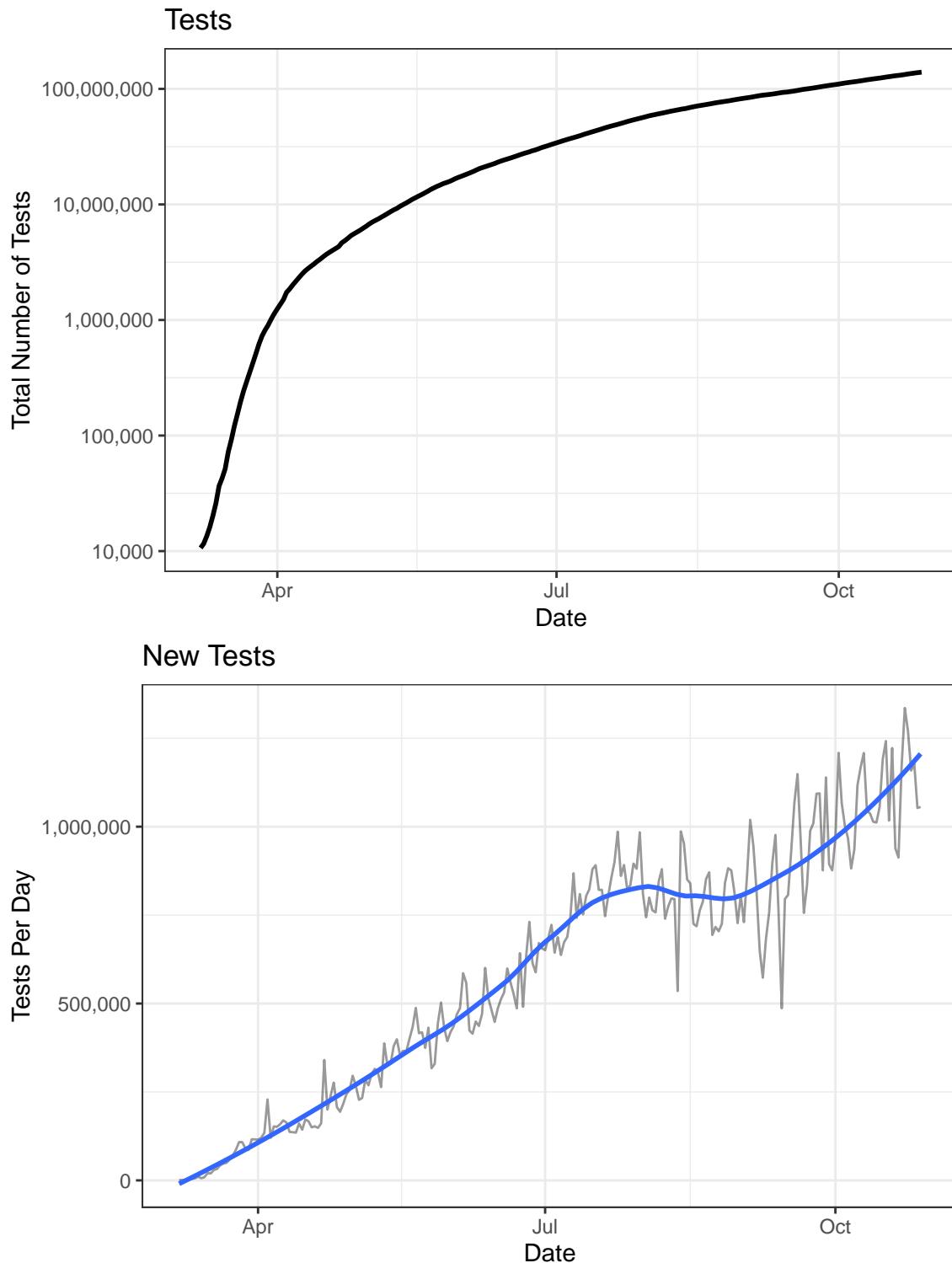


## One-Week Change in Daily Cases

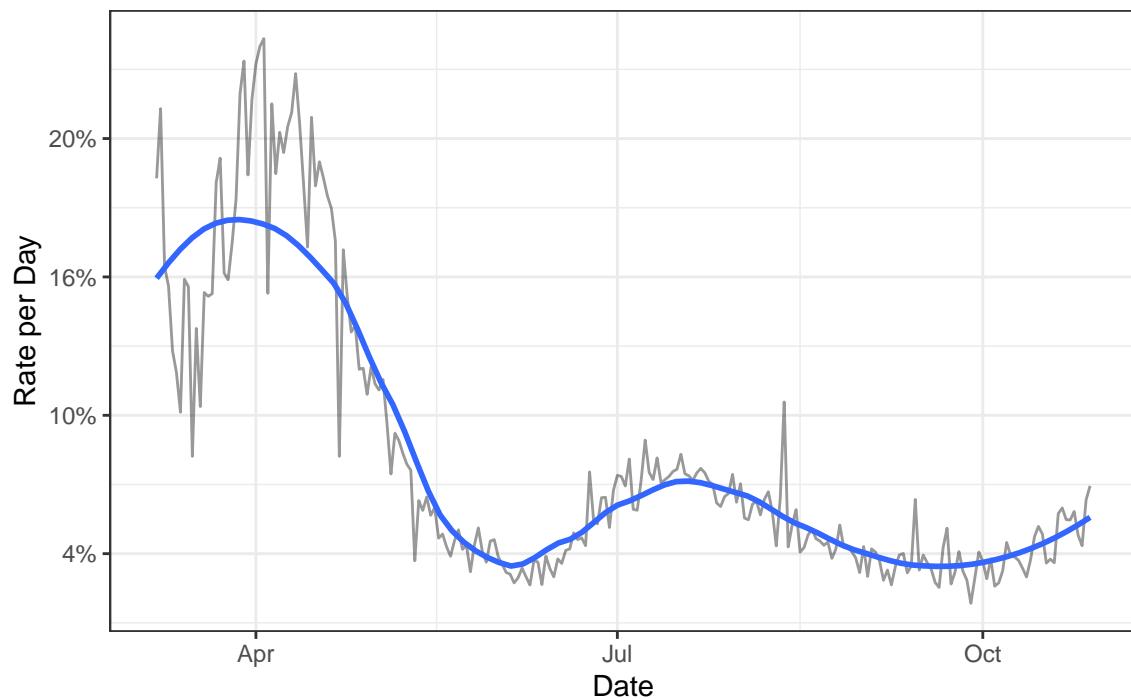


## Testing

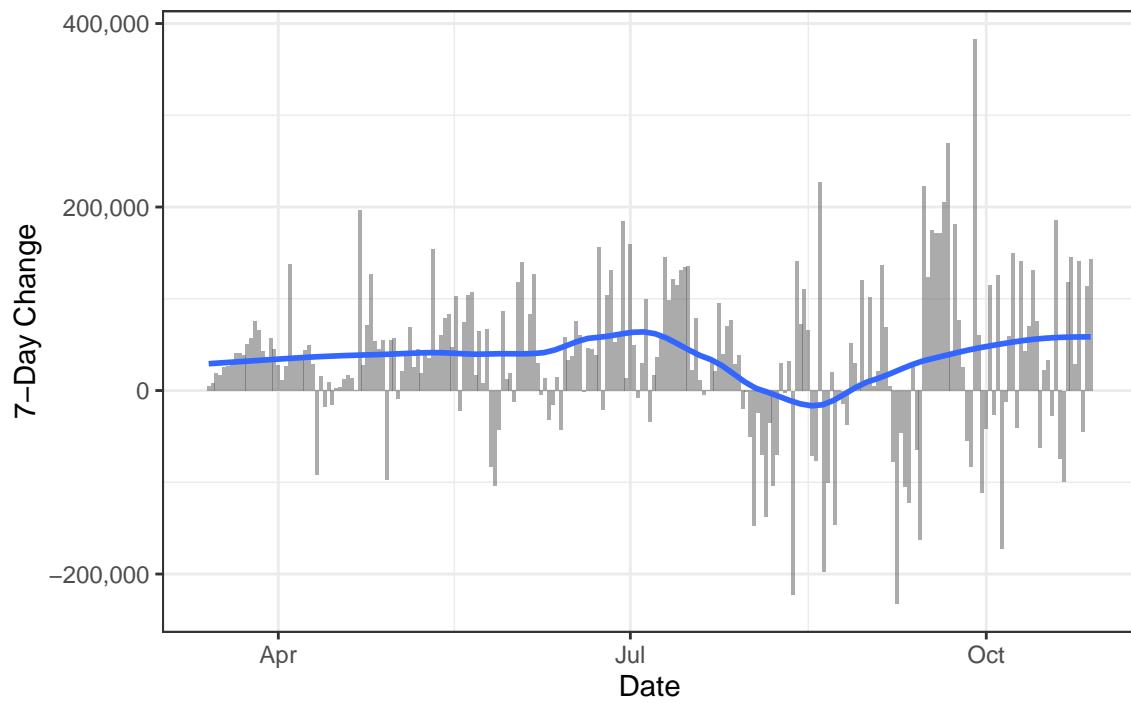
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

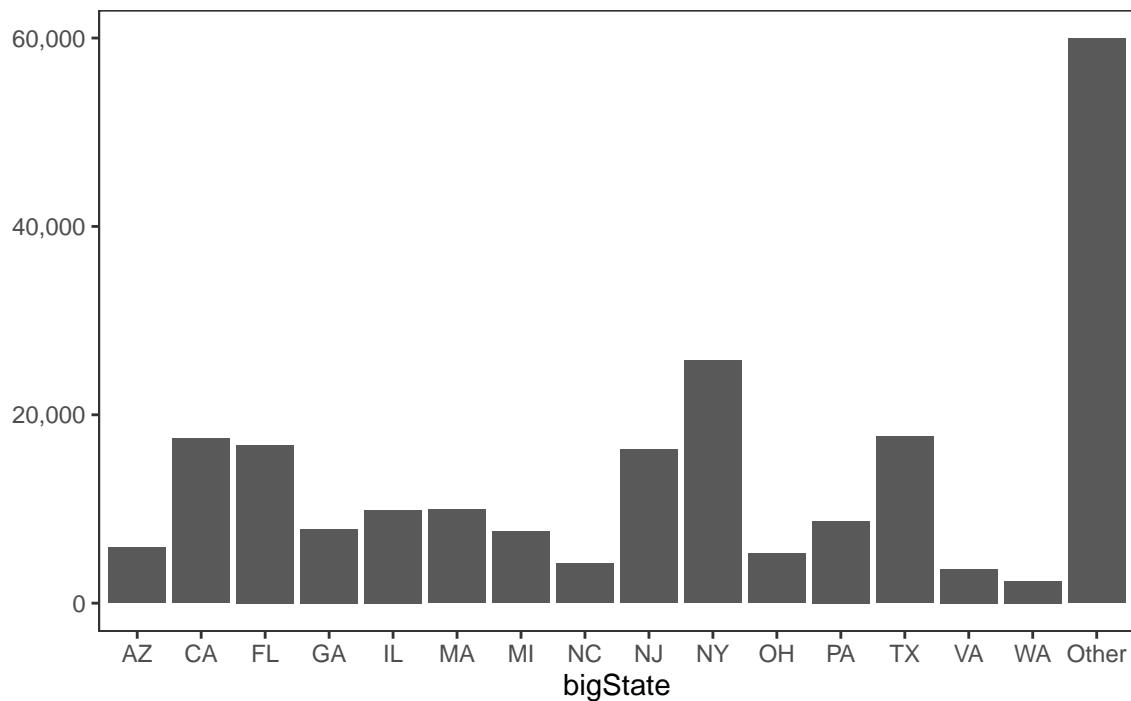


## State Data

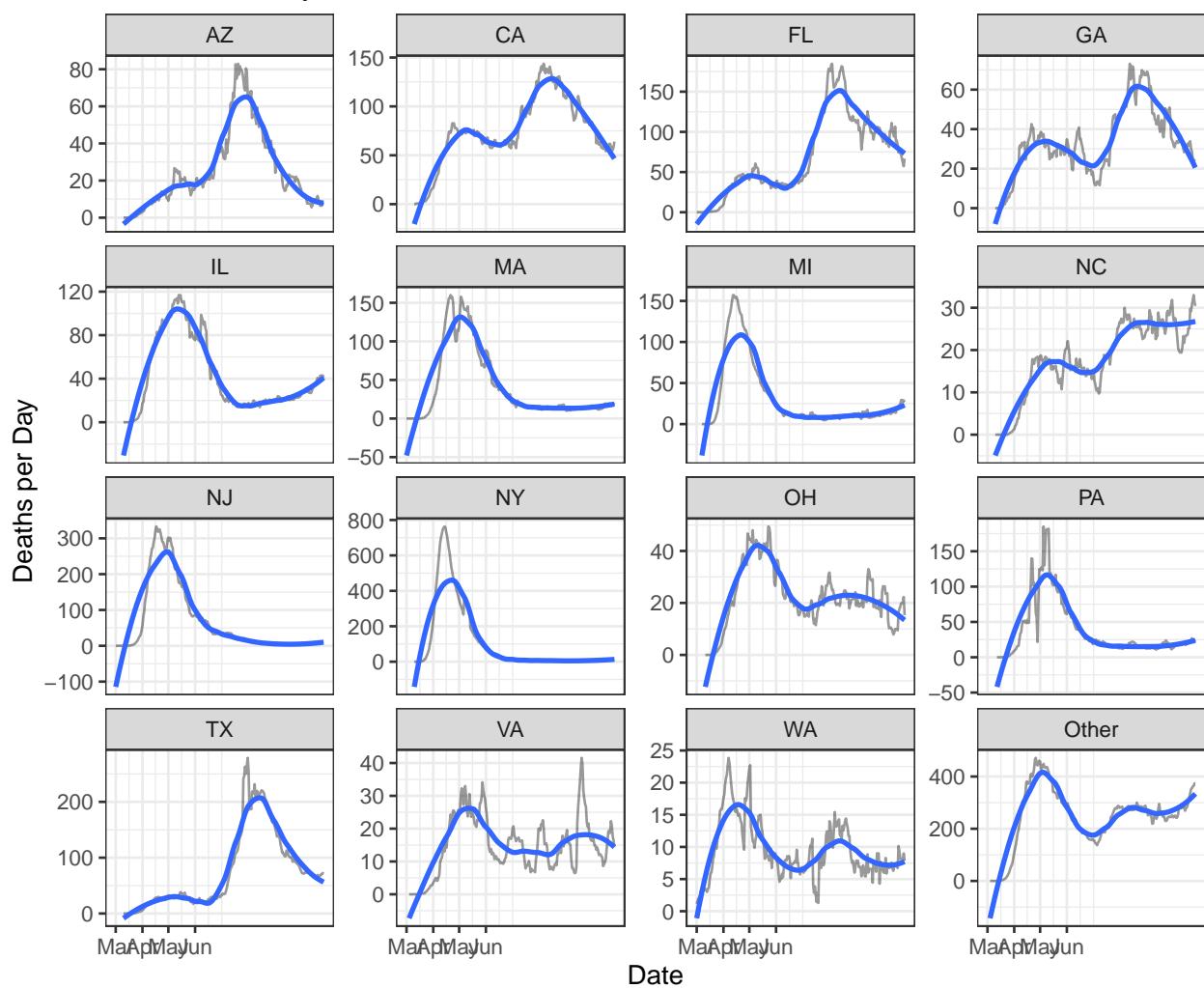
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

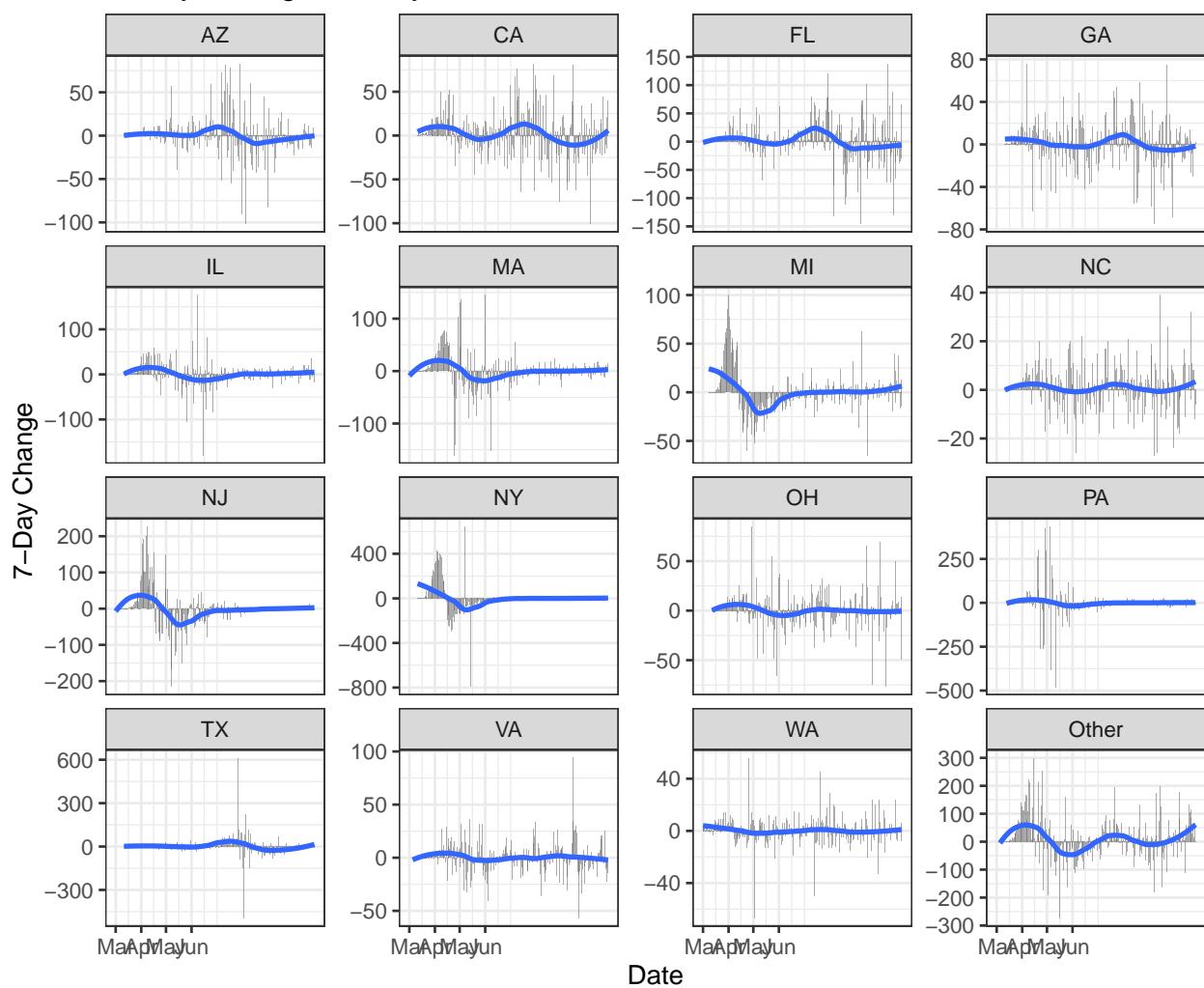
Deaths by State

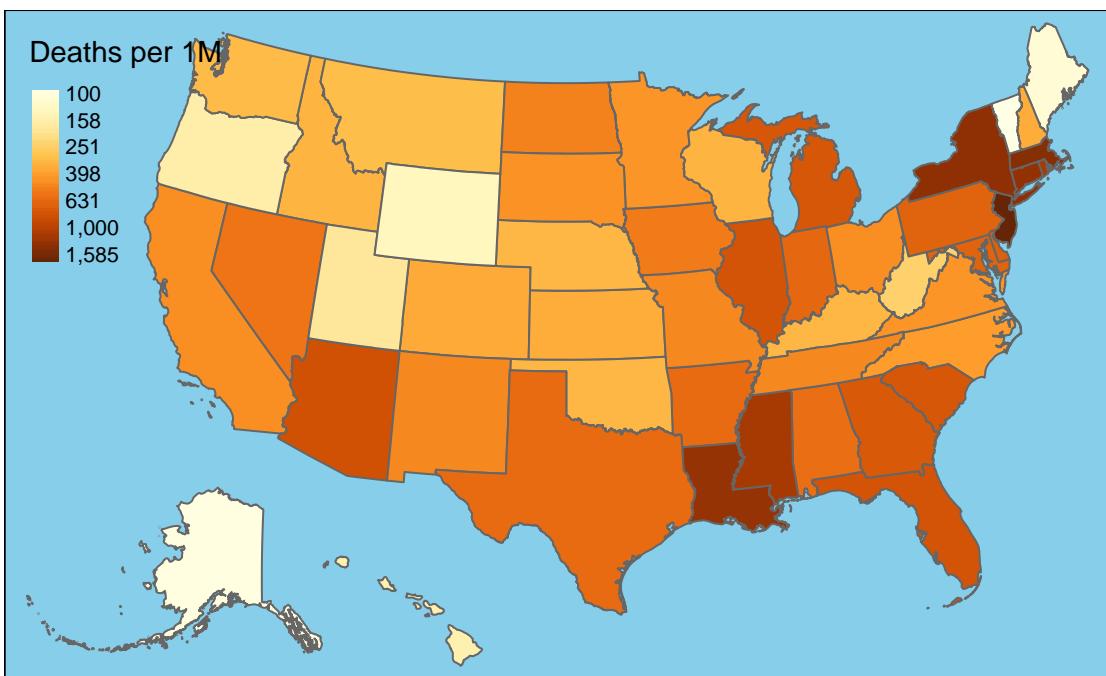
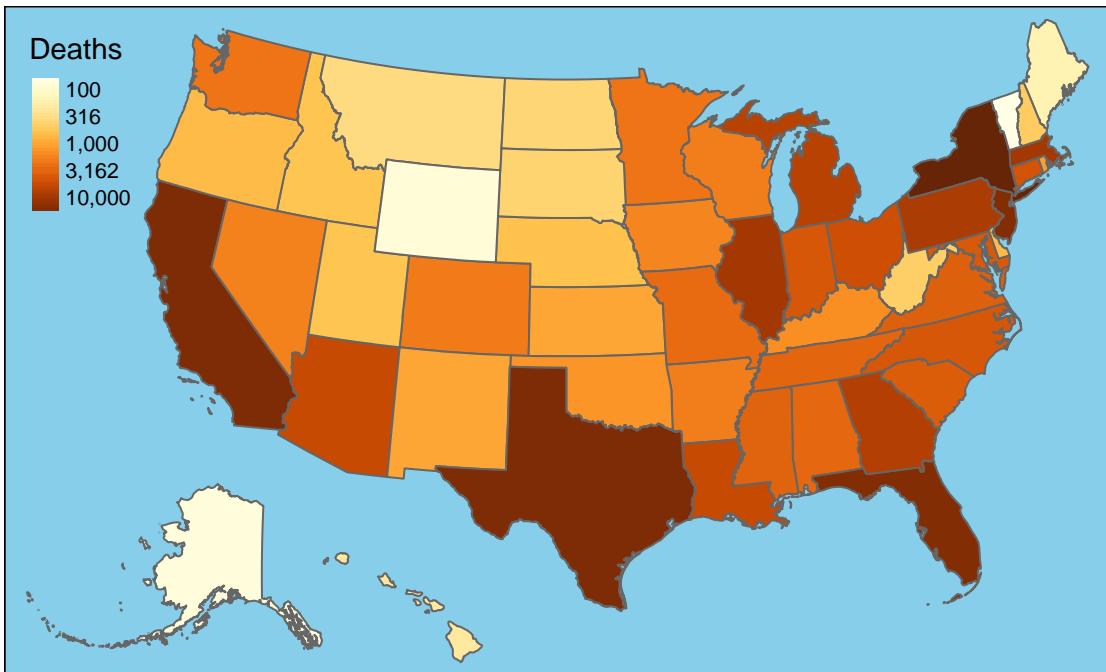


## New Deaths by State



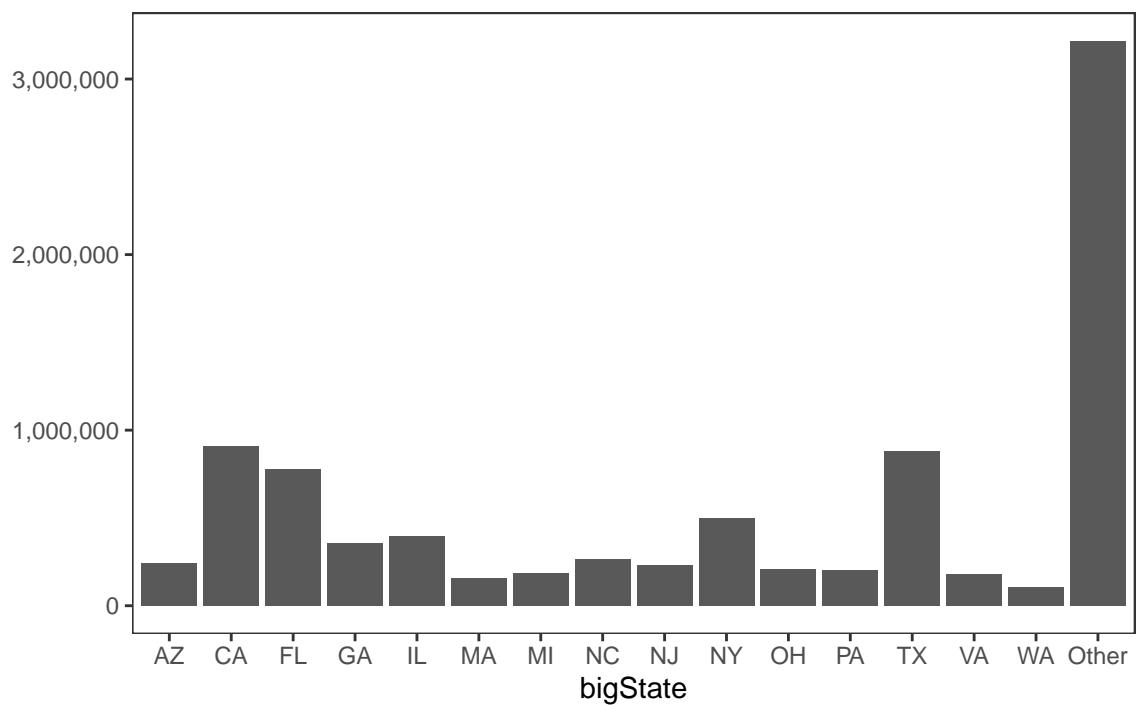
### 7-Day Change in Daily Deaths



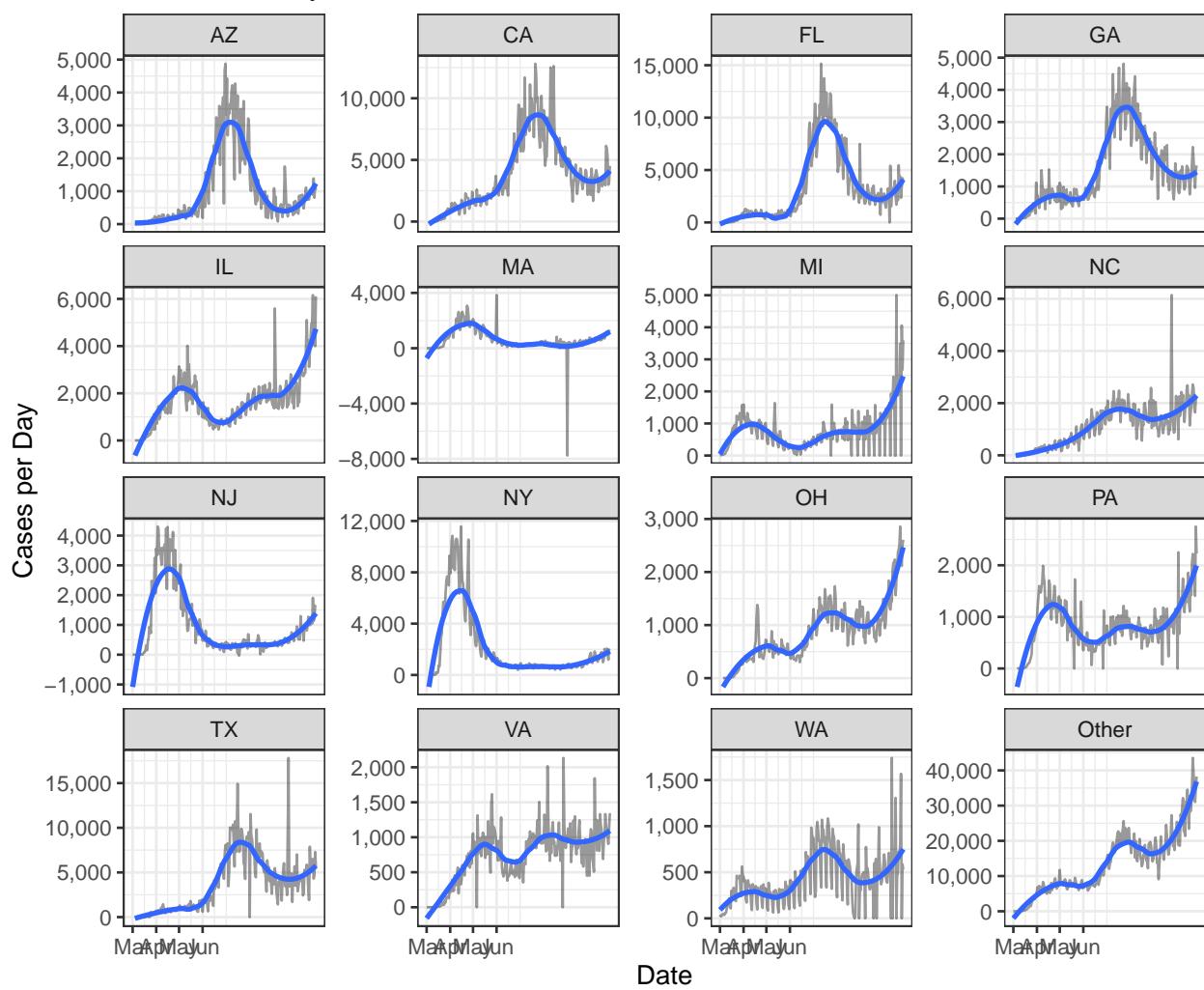


Cases

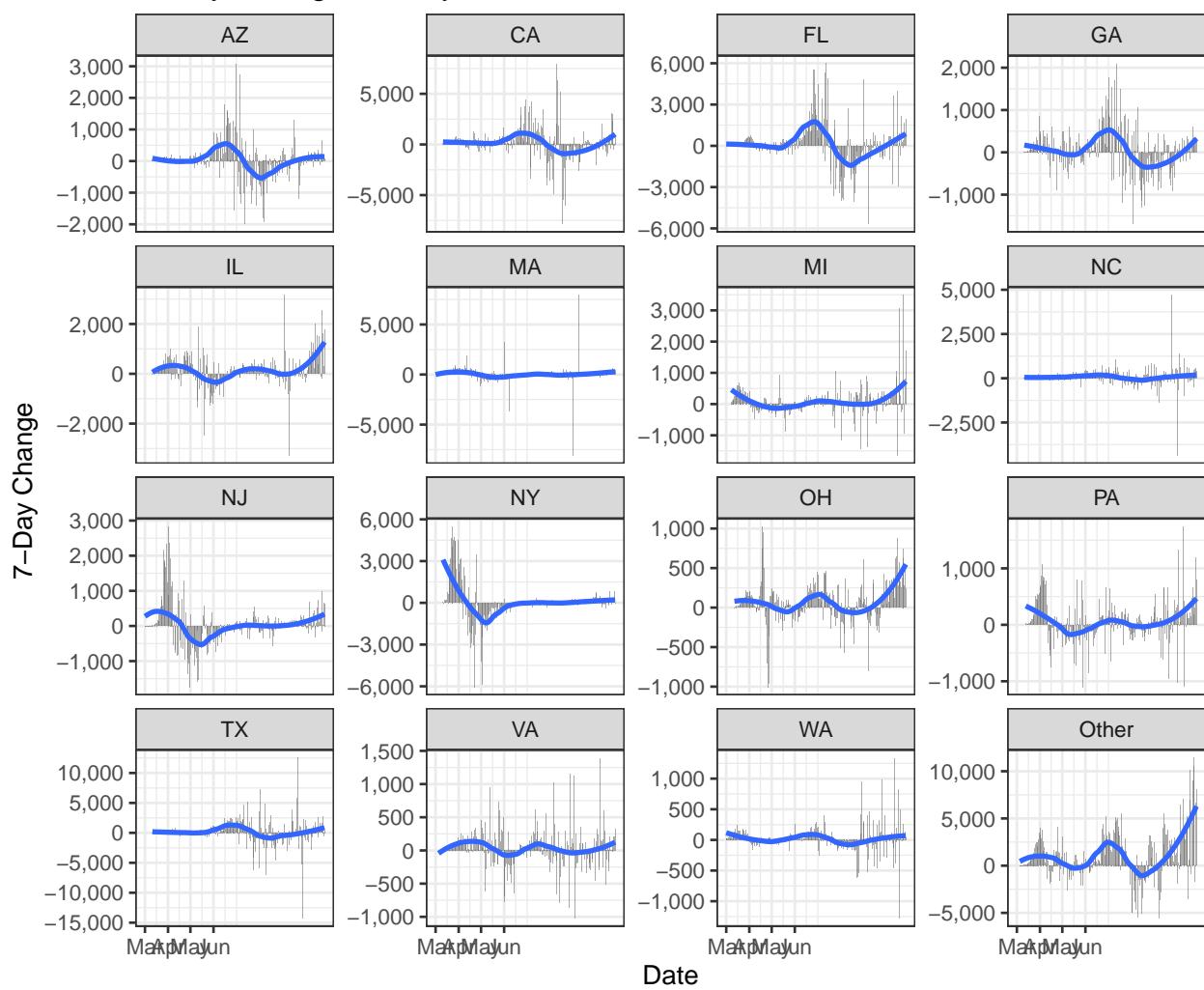
Cases by State

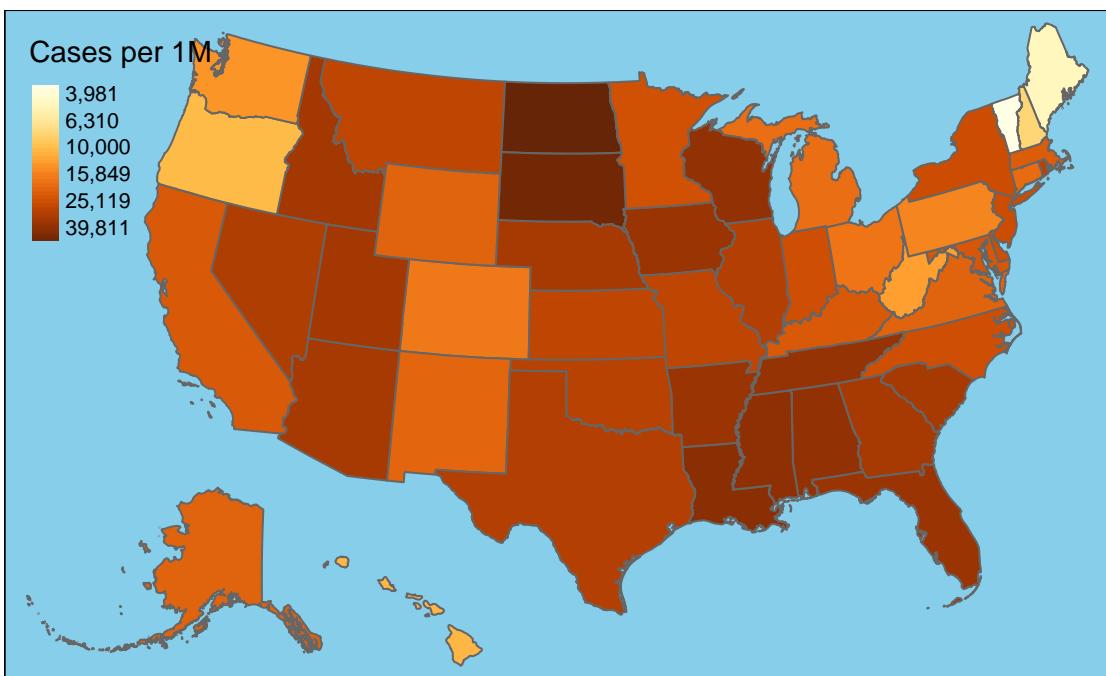
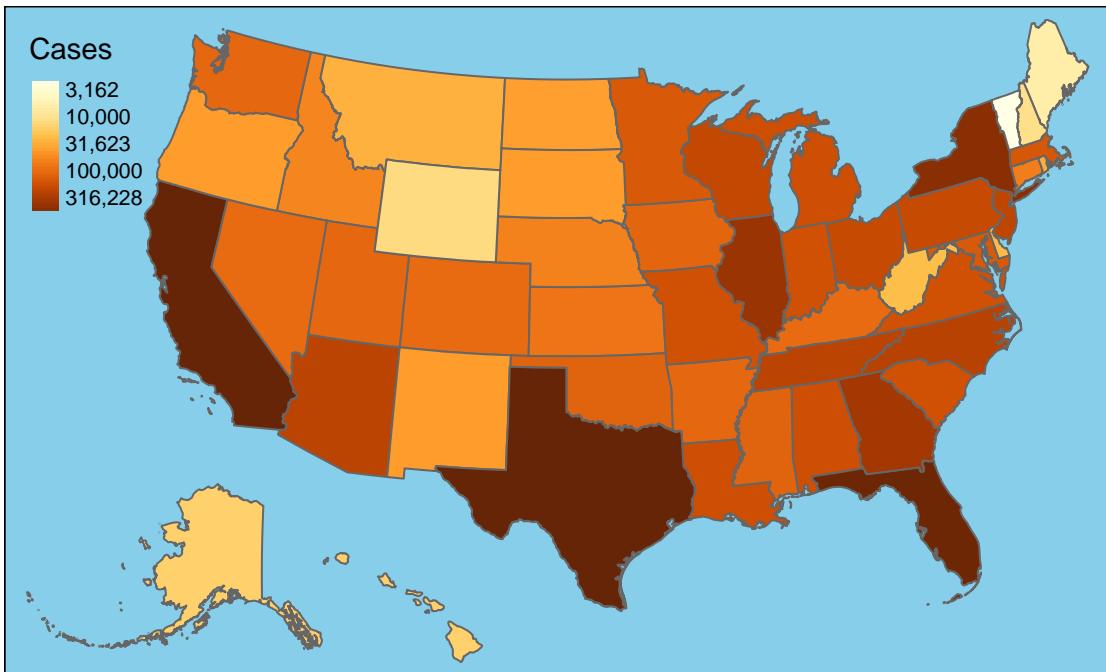


## New Cases by State

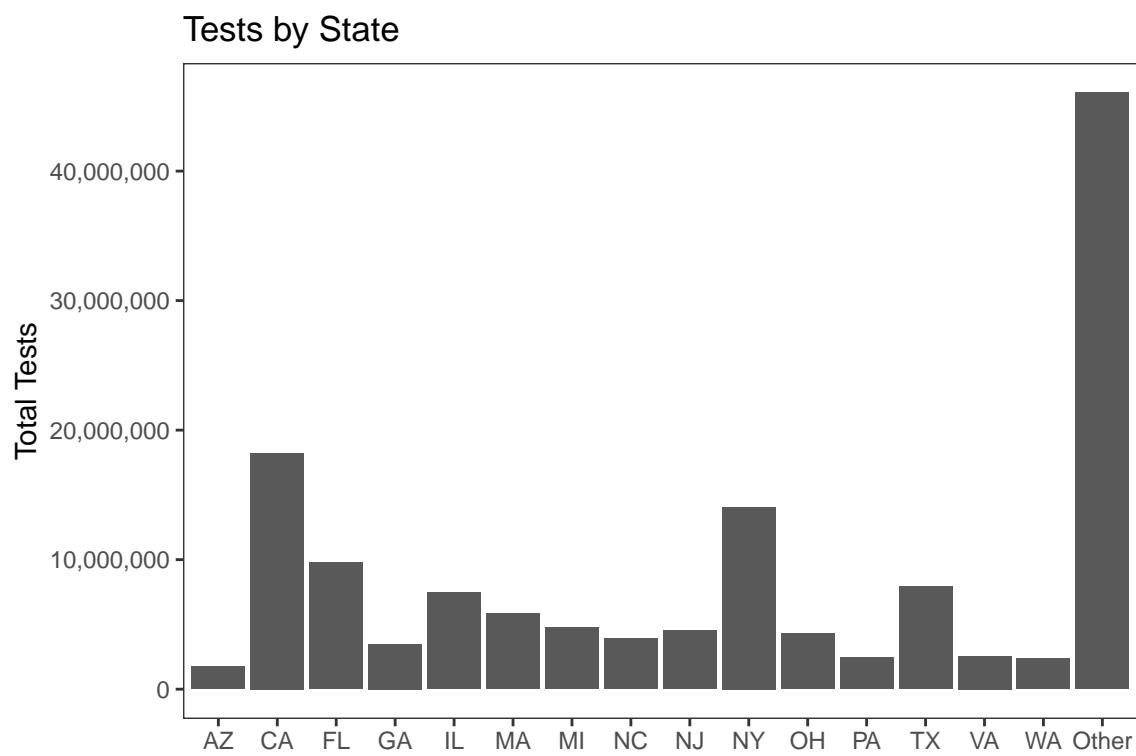


### 7-Day Change in Daily Cases

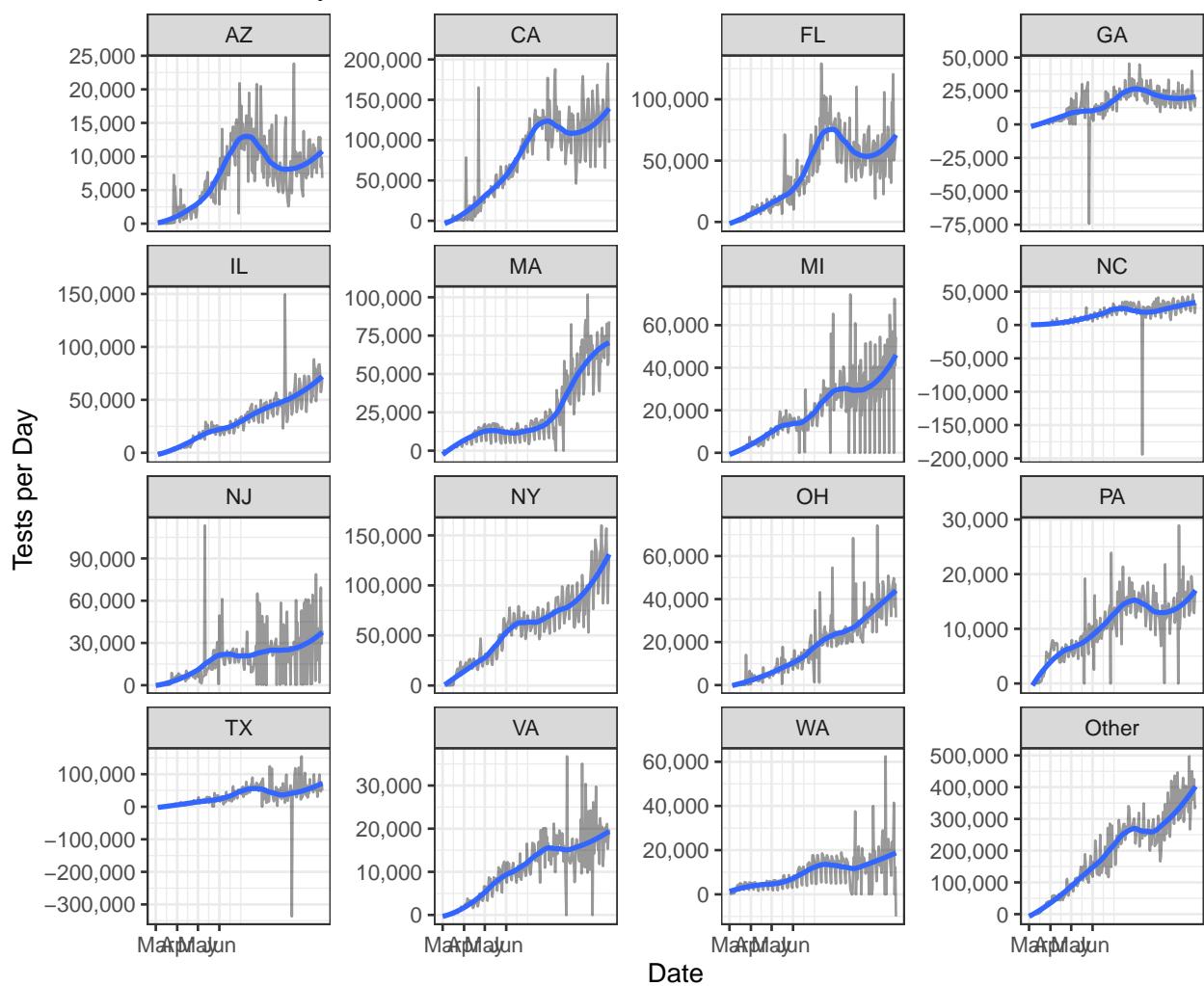


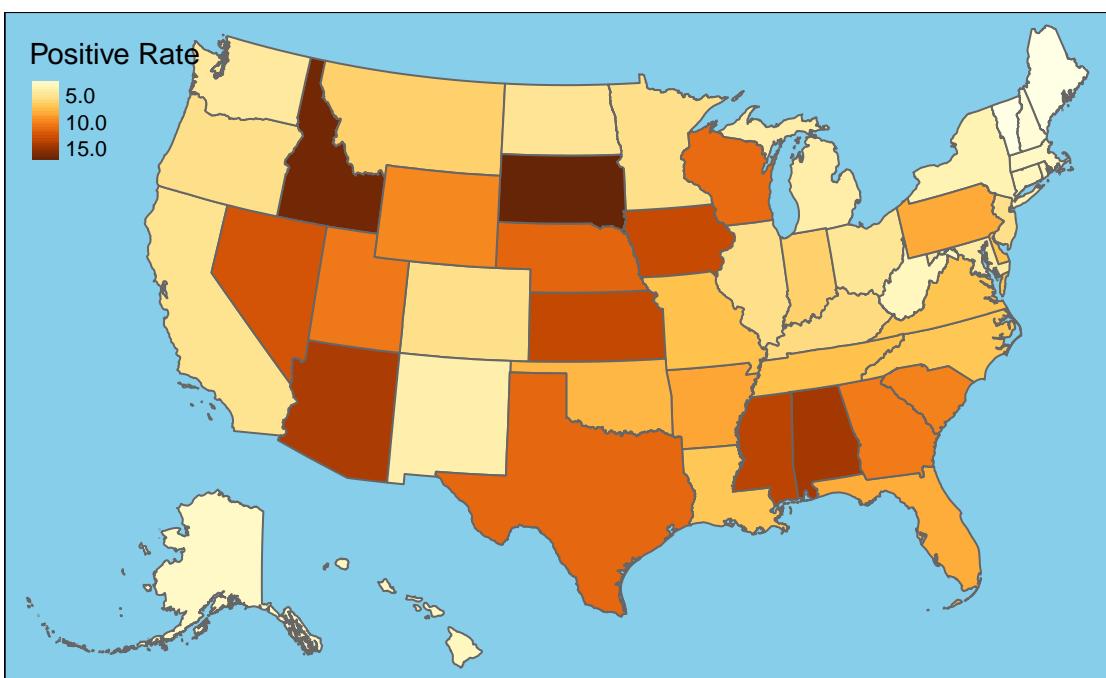
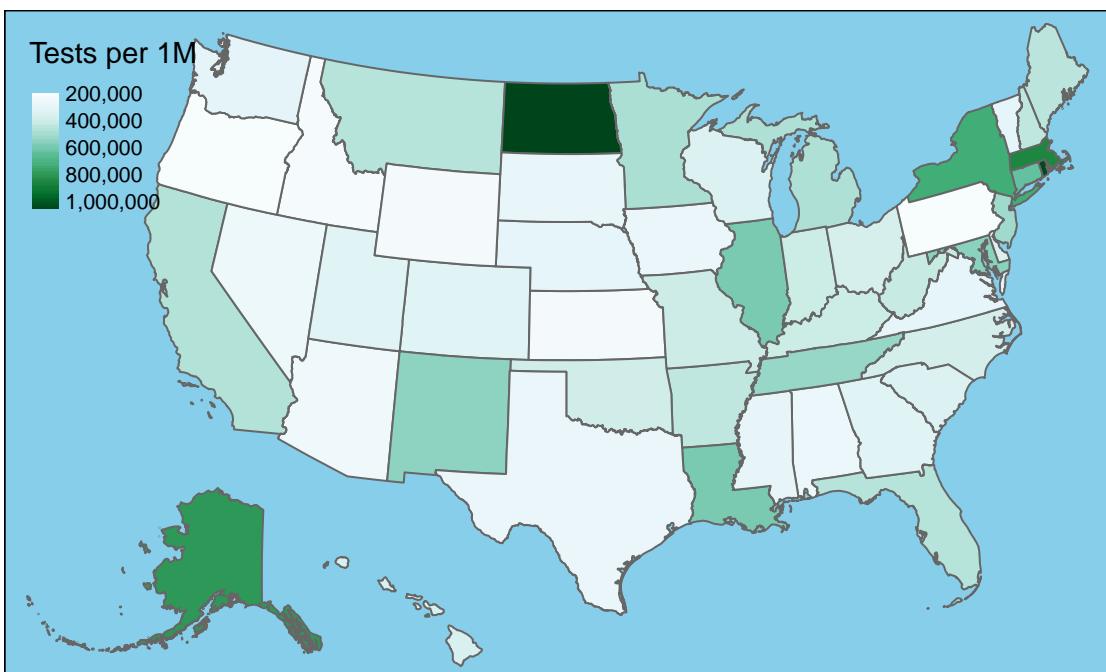


## Testing



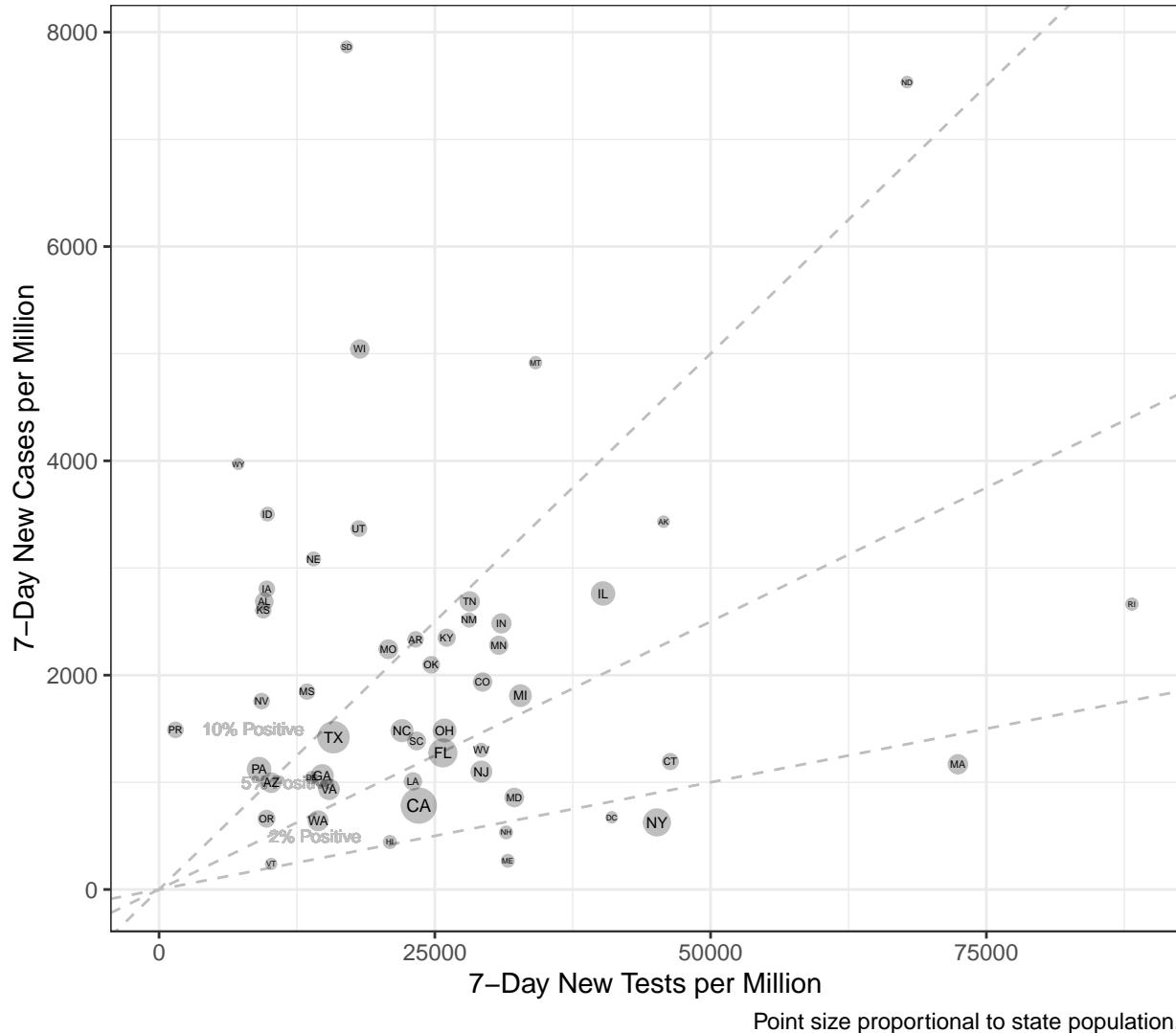
## New Tests by State





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**



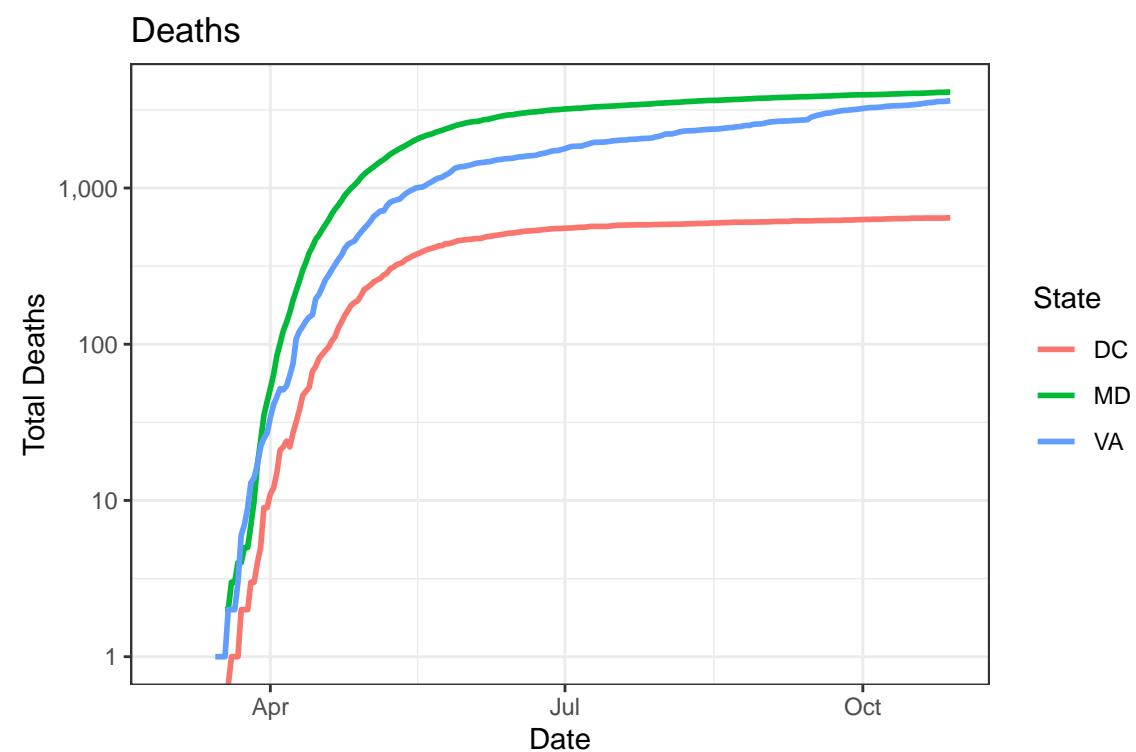
## Local Data

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

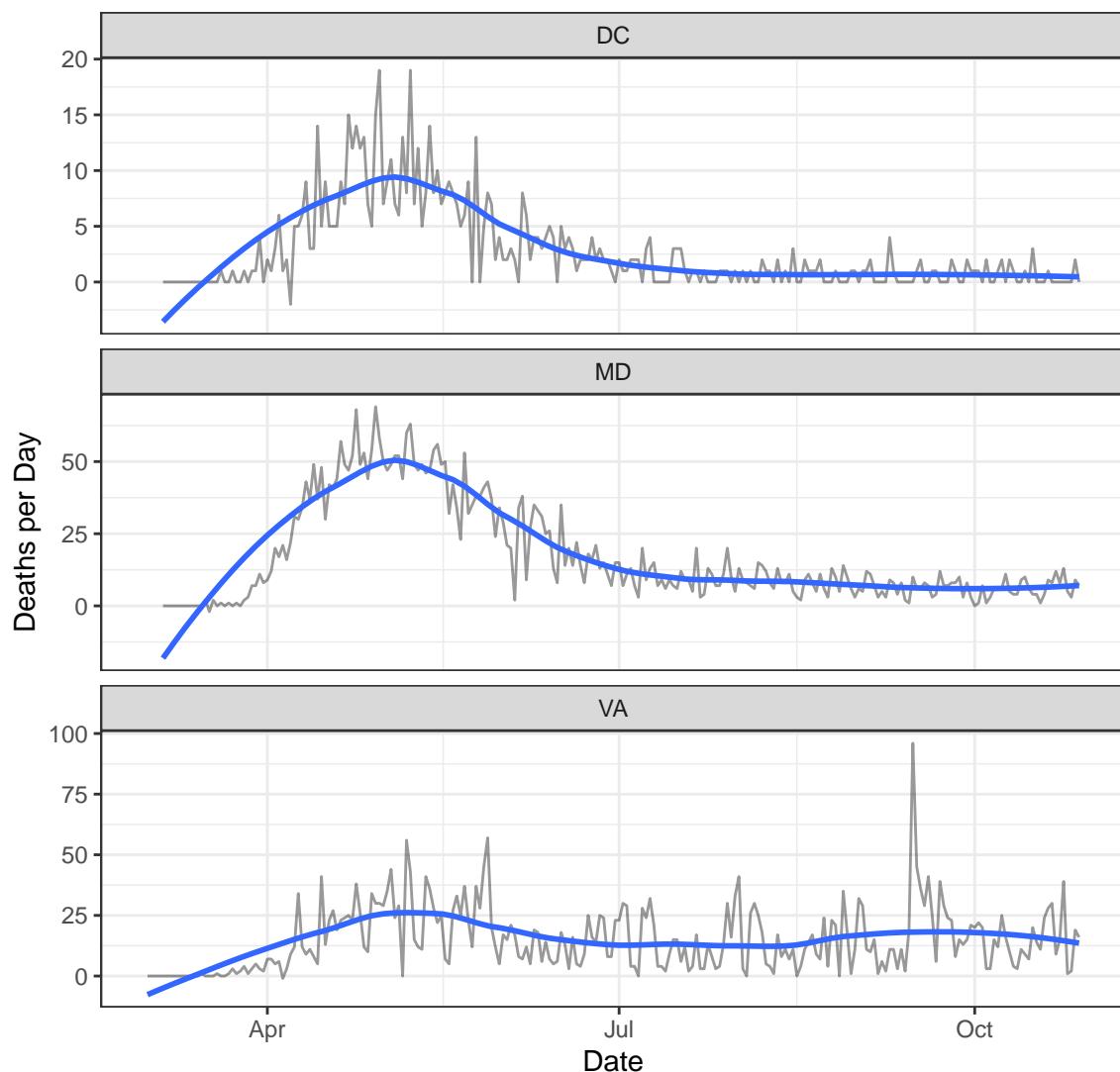
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	16,973	644	67	0
MD	142,425	4,115	684	7
VA	176,754	3,616	1,345	16

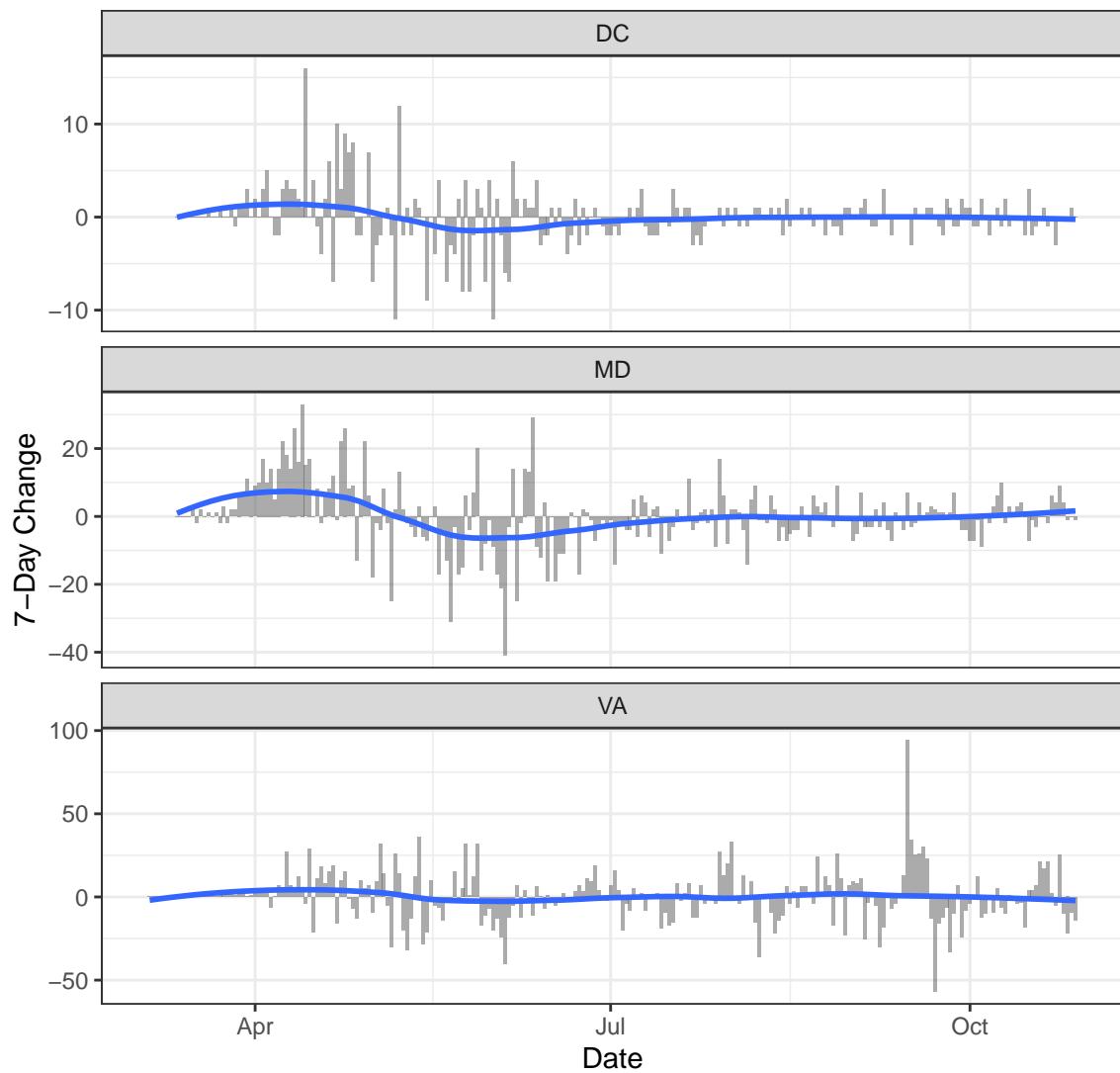
## Deaths

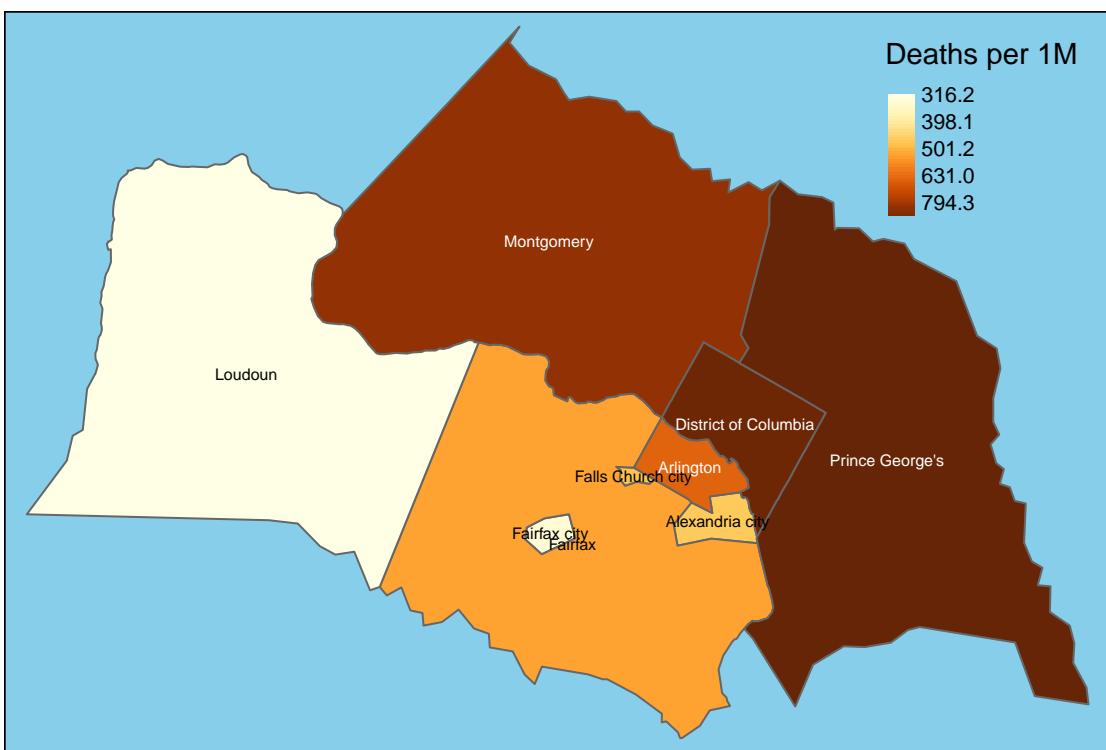
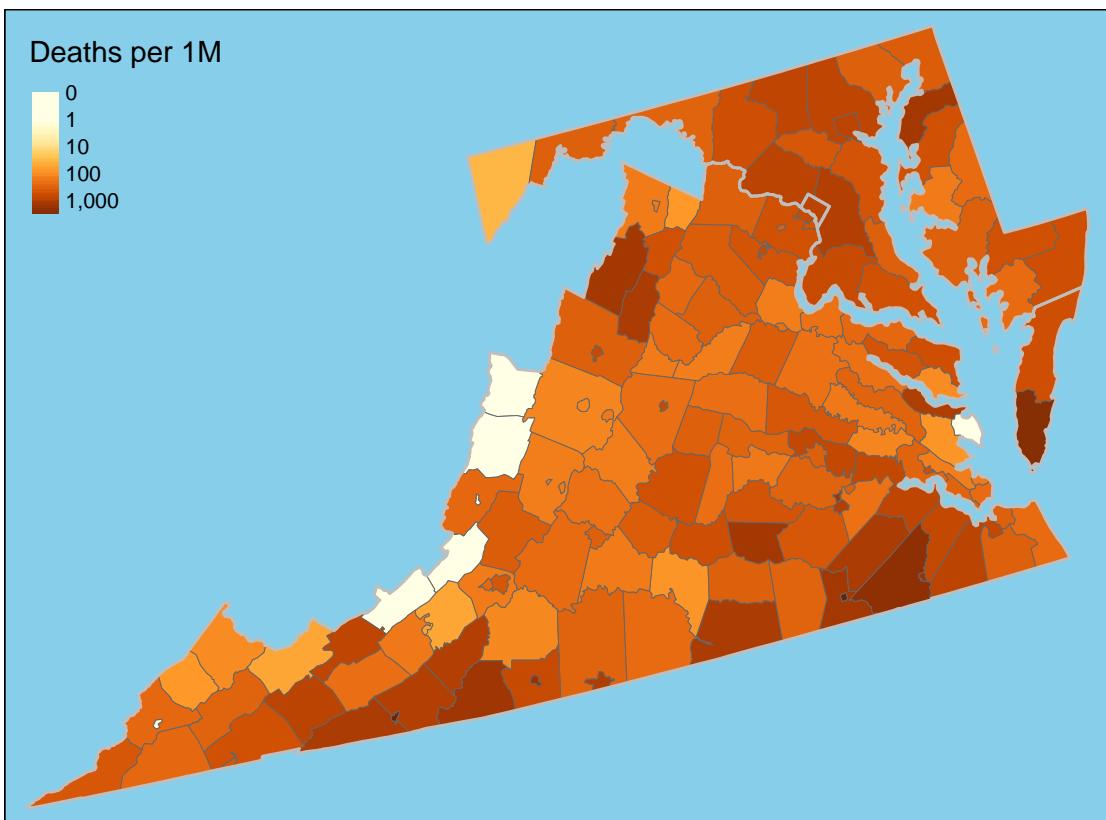


## New Deaths

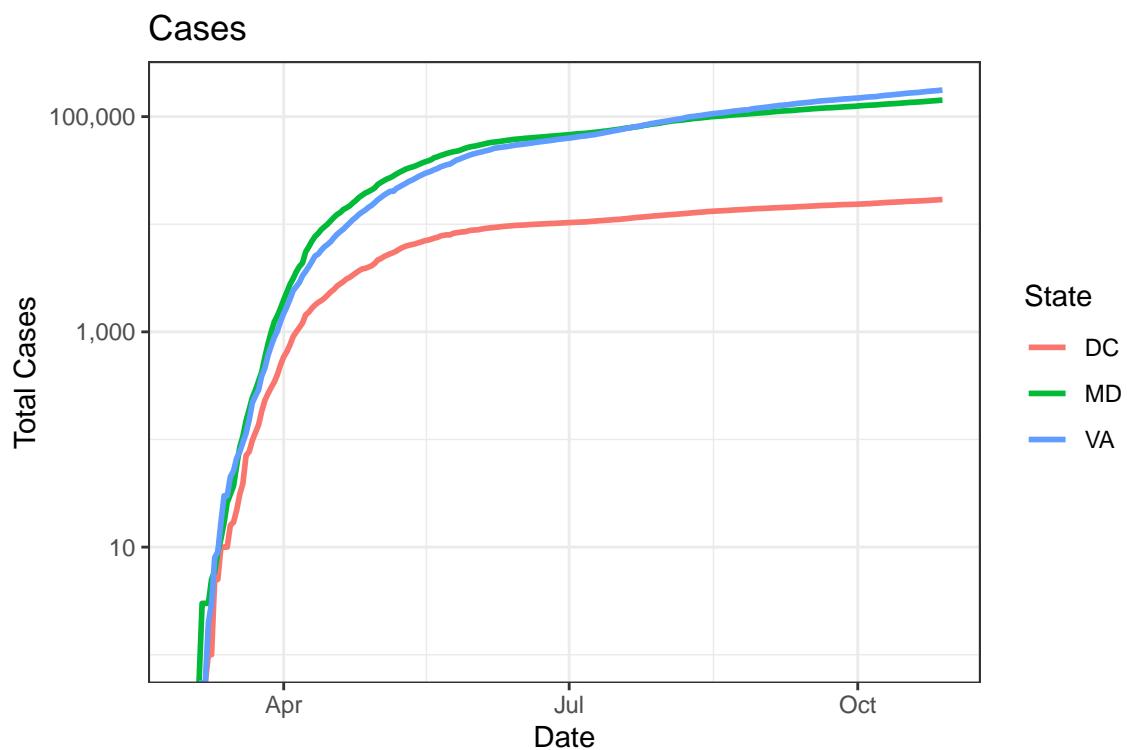


## One-Week Change in Daily Deaths

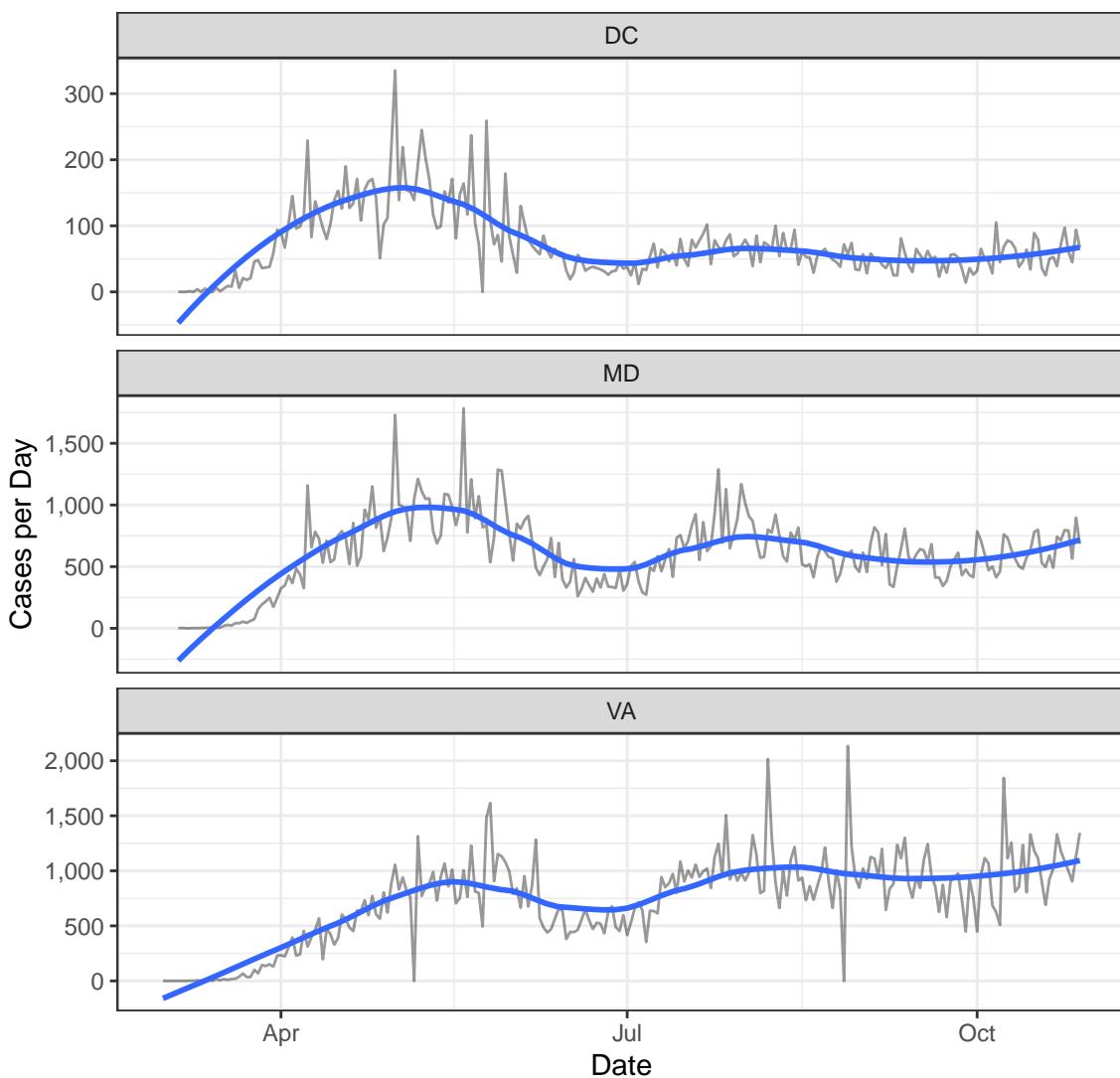




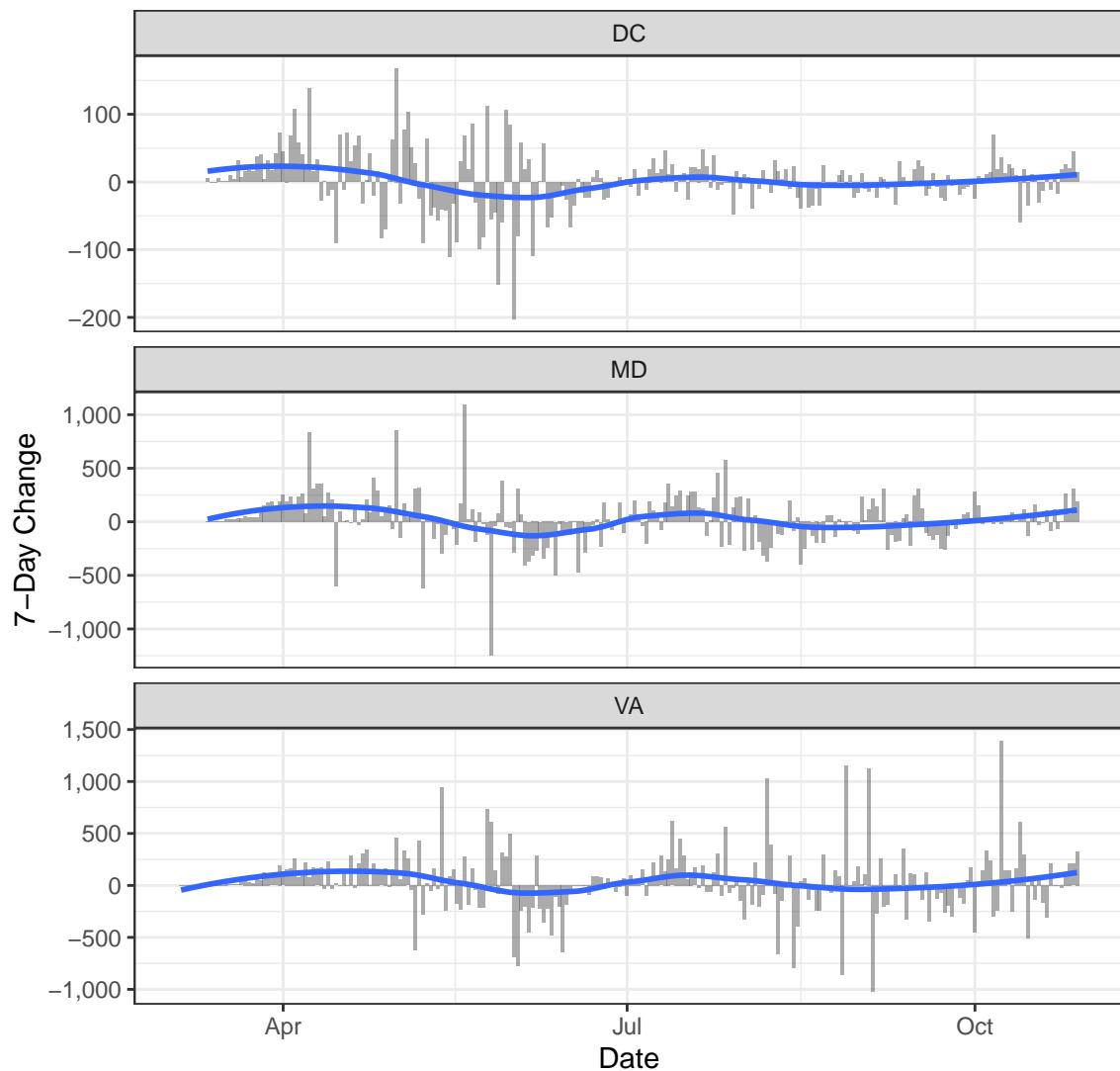
Cases

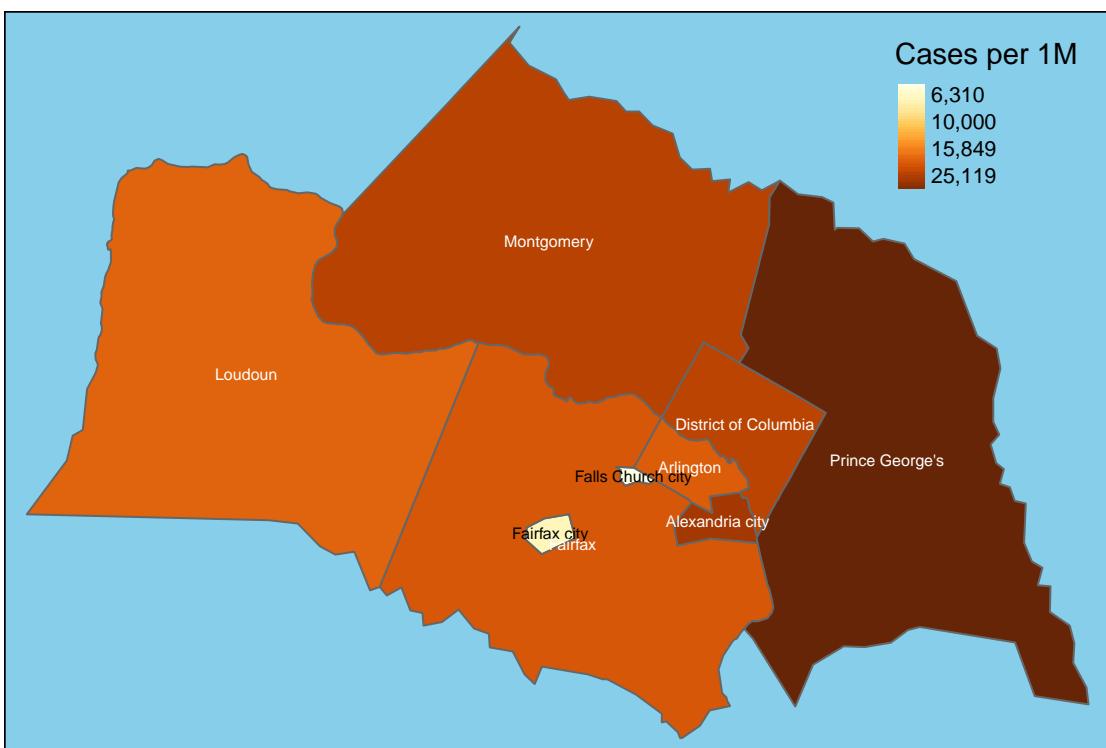
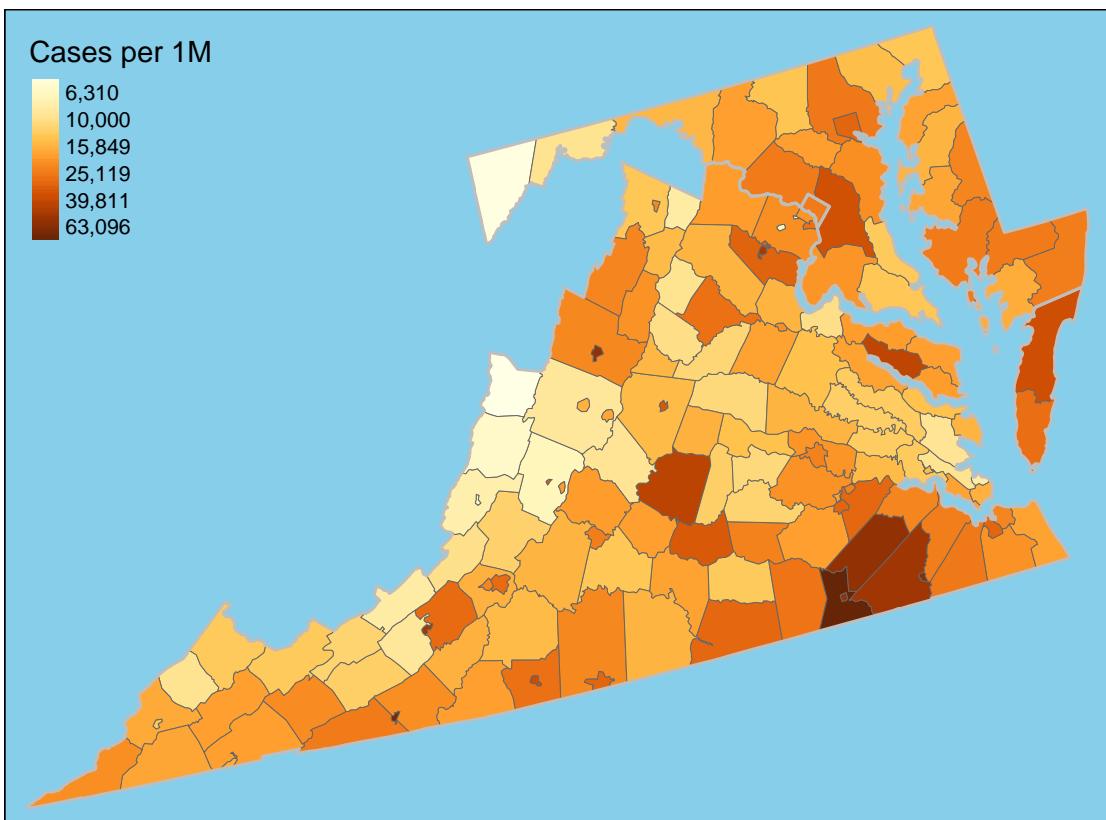


## New Cases

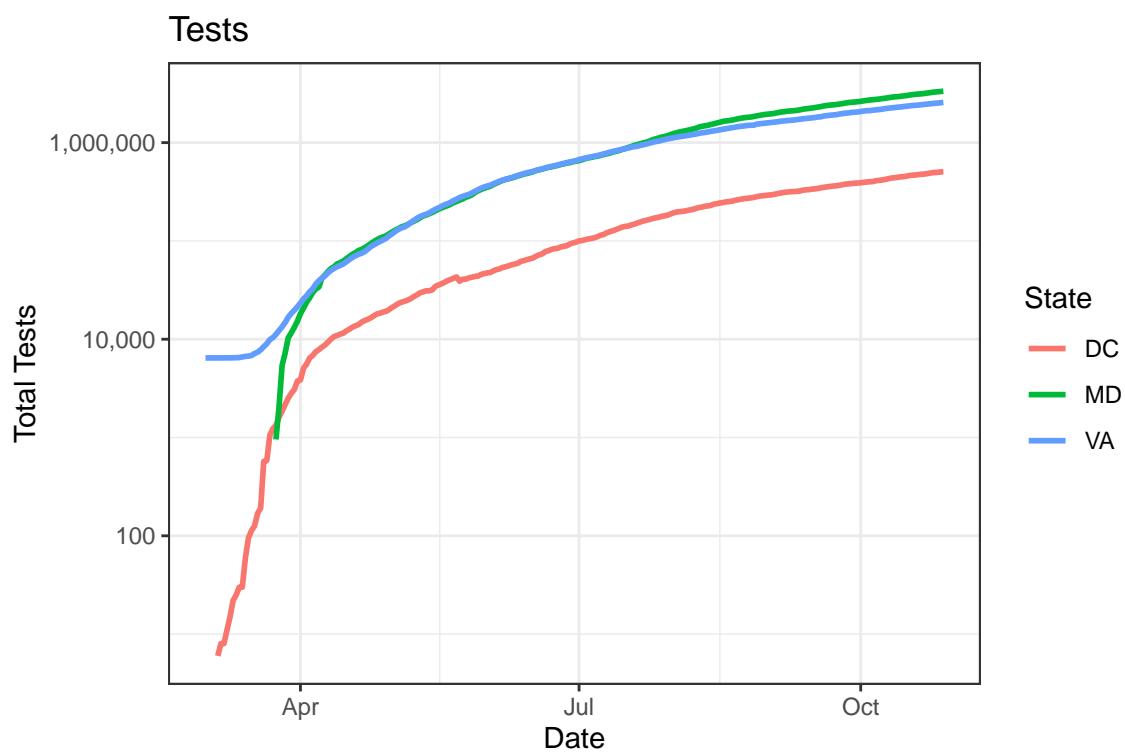


## One-Week Change in Daily Cases

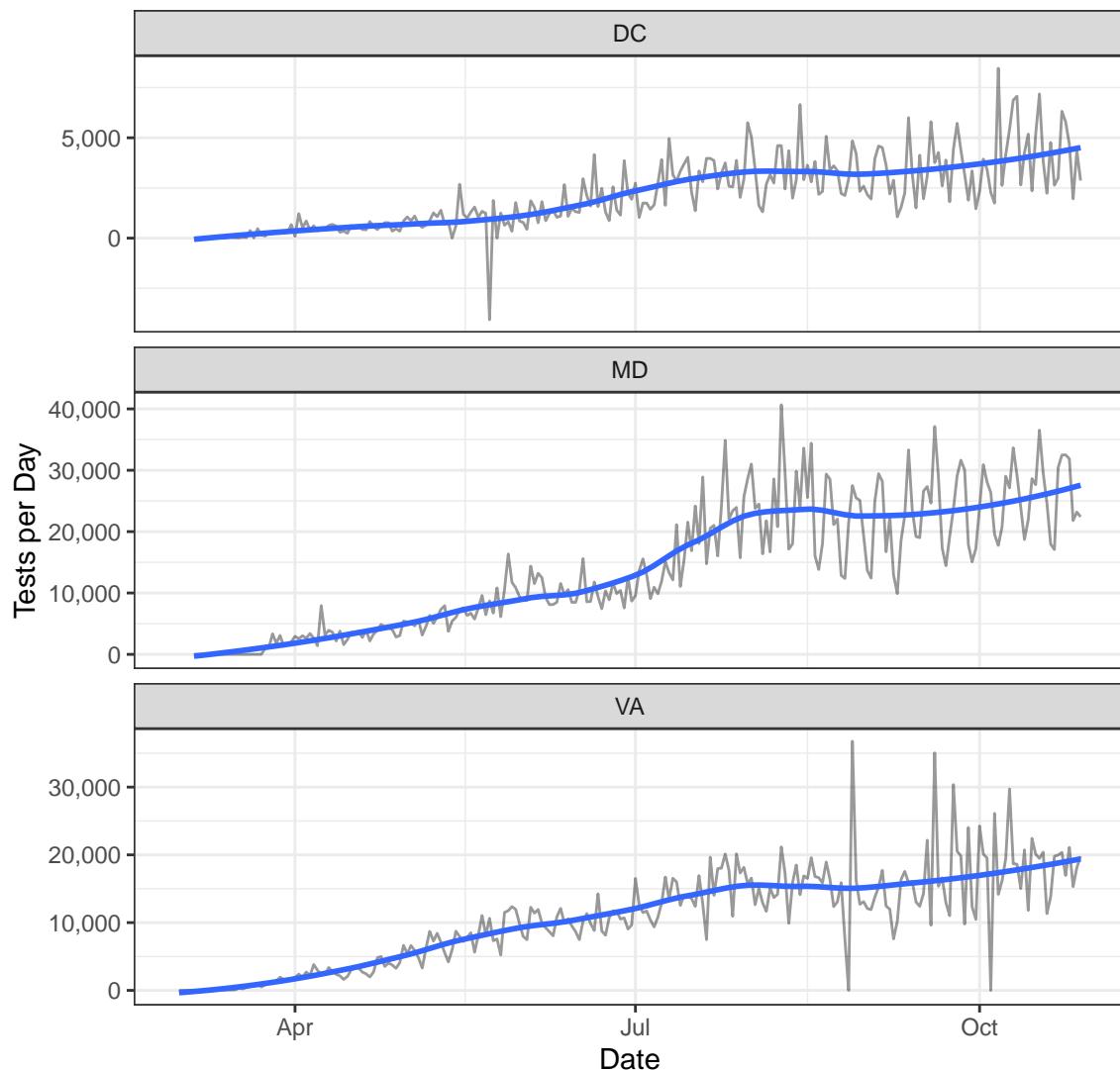




## Testing



## New Tests



## Positive Test Rate

