

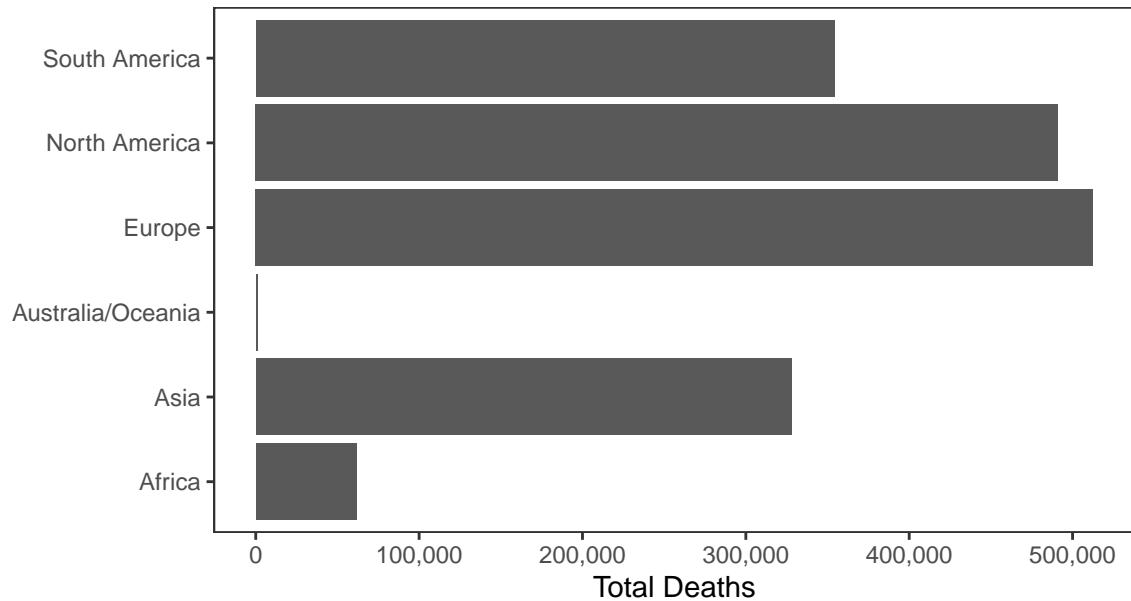
# Erik's Covid-19 Chart Pack

Data updated 2020-12-25 18:02:56. 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 79,722,398 confirmed Covid-19 cases and 1,748,571 deaths worldwide.

**Deaths**



**Cases**

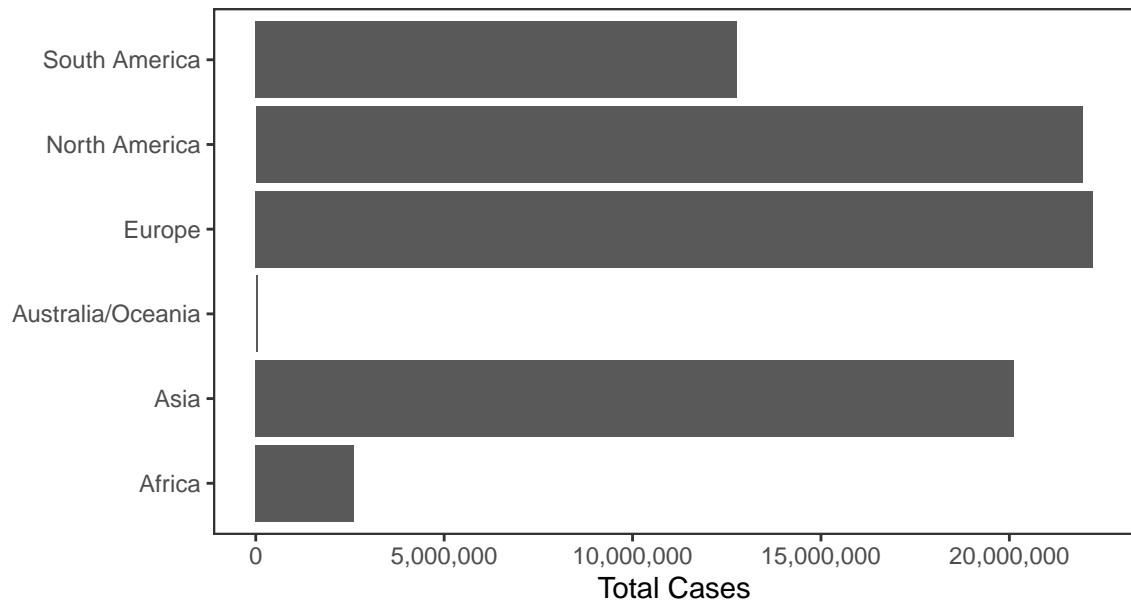
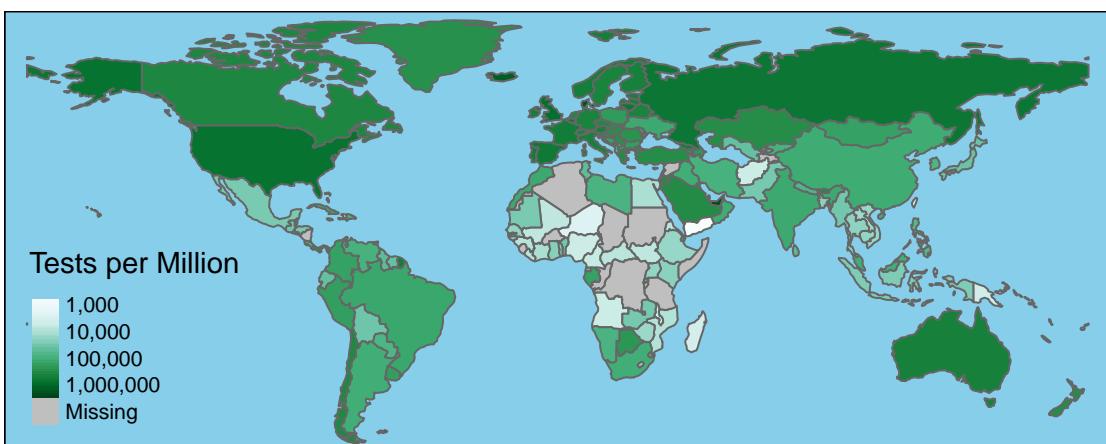
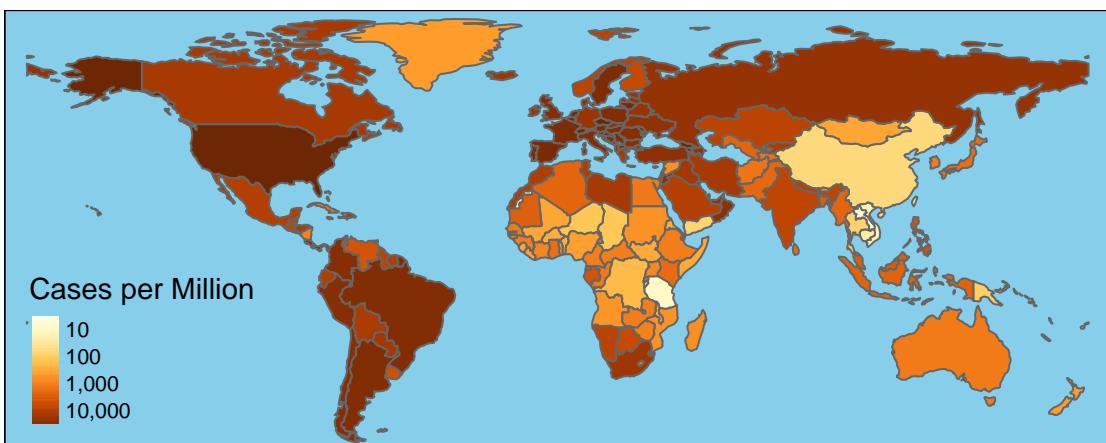
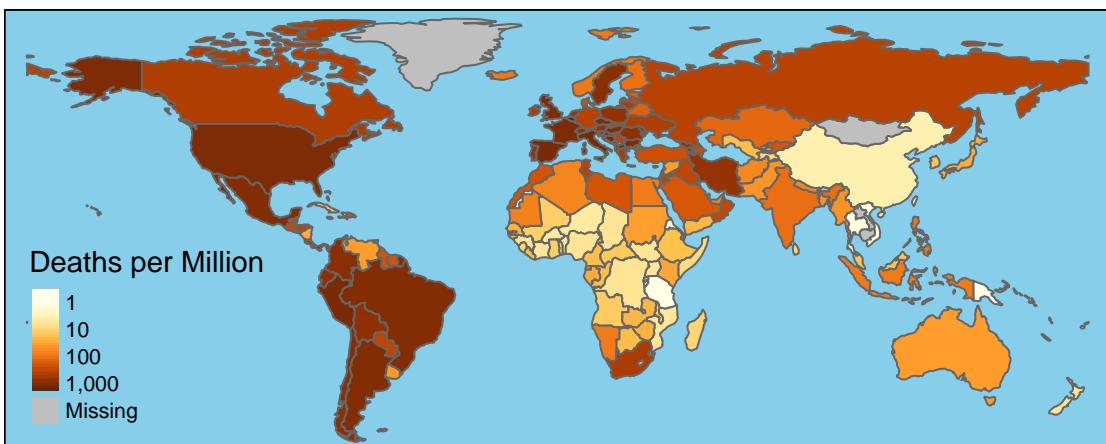


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	19,111,326	337,066	193,030	2,835
India	10,147,468	147,128	23,924	350
Brazil	7,425,593	190,032	58,916	768
Russia	2,963,688	53,096	29,935	635
France	2,527,509	62,268	21,634	290
UK	2,188,587	69,625	39,036	574
Turkey	2,100,712	19,115	18,102	254
Italy	2,009,317	70,900	18,040	505
Spain	1,869,610	49,824	10,967	126
Germany	1,614,326	29,681	26,418	554
Argentina	1,571,680	42,392	7,815	78
Colombia	1,559,766	41,454	14,940	280
Mexico	1,350,079	120,311	11,653	816
Poland	1,240,002	26,752	13,119	497
Iran	1,183,182	54,308	6,178	152
Peru	1,003,982	37,317	1,719	44
Ukraine	1,001,132	17,395	11,490	223
South Africa	968,563	25,983	14,305	326
Netherlands	732,570	10,826	11,499	89
Indonesia	692,838	20,589	7,199	181



## National Data

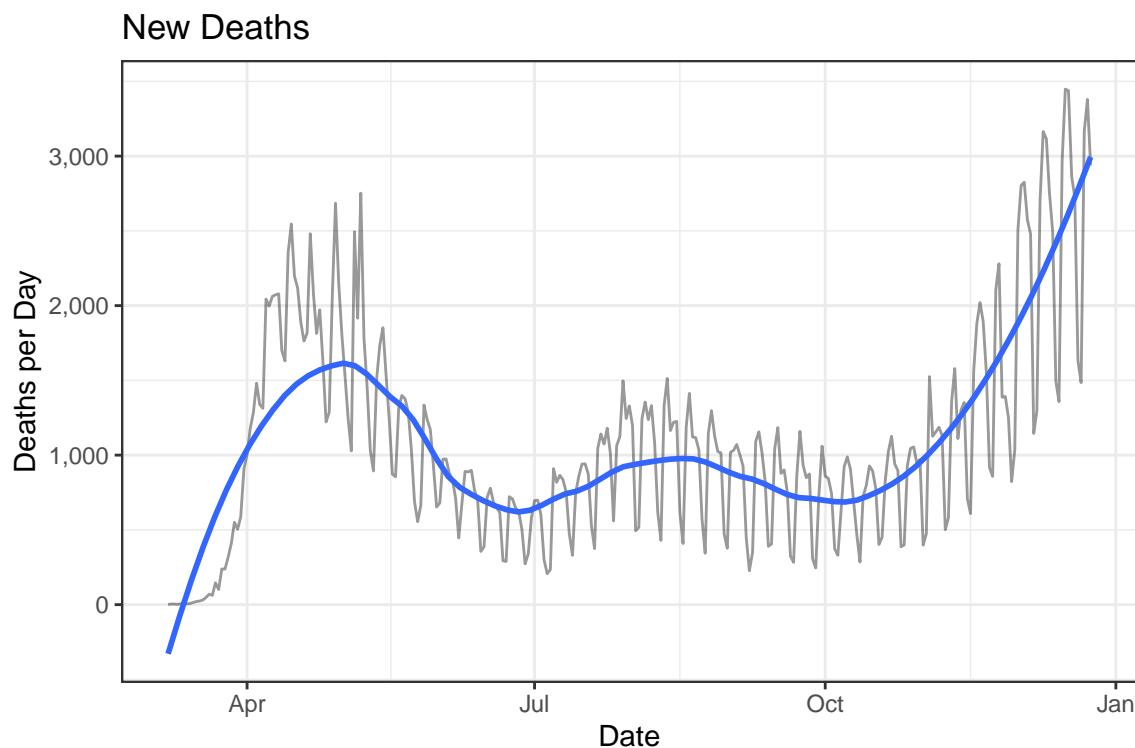
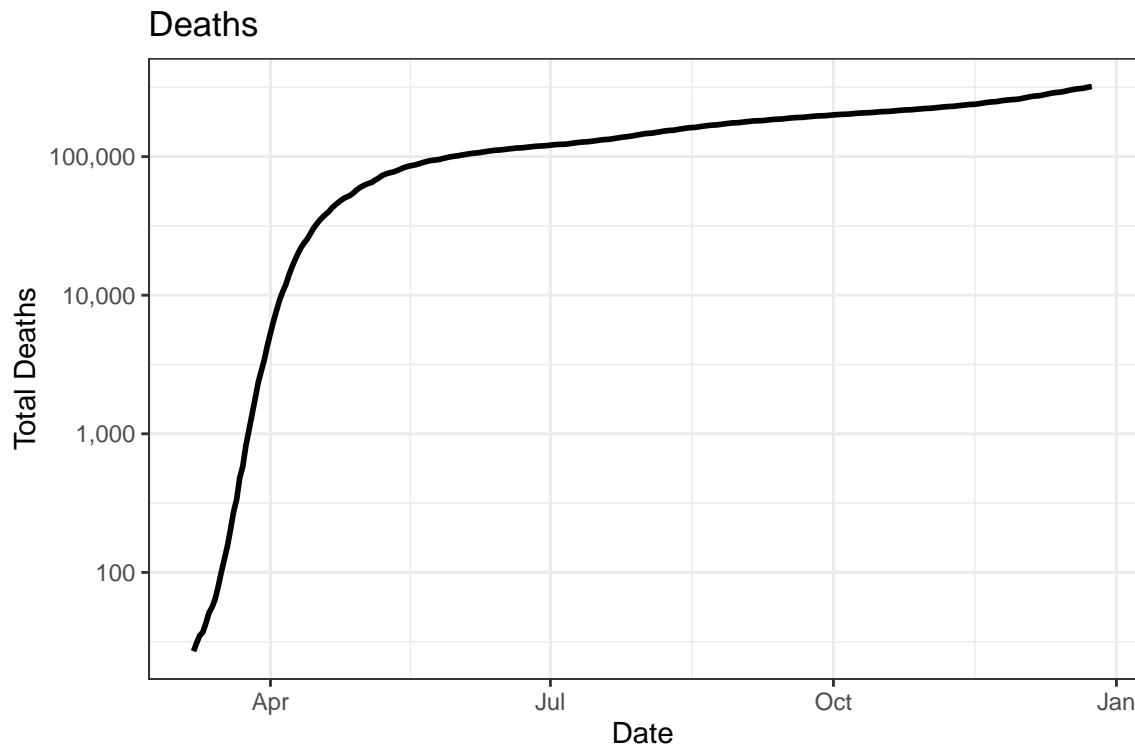
There have been 18,441,429 confirmed Covid-19 cases and 320,451 deaths in the United States.

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

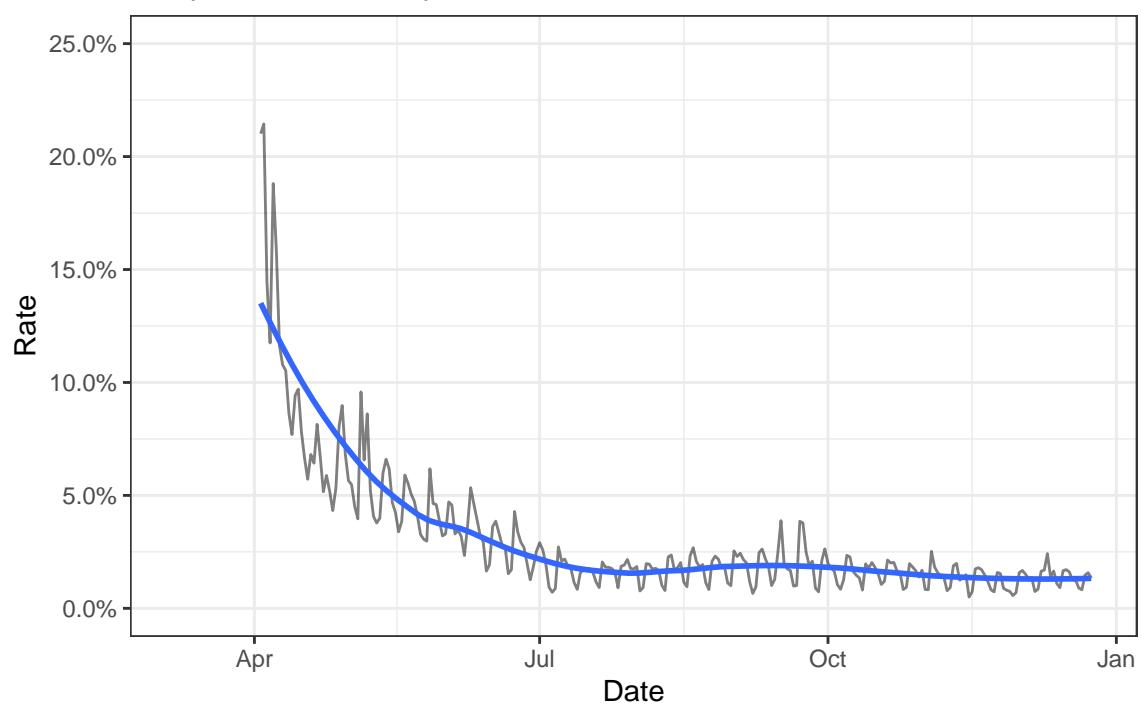
Date	Cases	Deaths	New Cases	New Deaths
2020-12-24	18,441,429	320,451	202,579	2,938
2020-12-23	18,238,850	317,513	220,834	3,379
2020-12-22	18,018,016	314,134	189,932	3,166
2020-12-21	17,828,084	310,968	178,191	1,485
2020-12-20	17,649,893	309,483	196,017	1,633
2020-12-19	17,453,876	307,850	202,812	2,723
2020-12-18	17,251,064	305,127	239,246	2,866
2020-12-17	17,011,818	302,261	240,156	3,438
2020-12-16	16,771,662	298,823	231,653	3,448
2020-12-15	16,540,009	295,375	189,783	2,971
2020-12-14	16,350,226	292,404	192,466	1,358
2020-12-13	16,157,760	291,046	185,801	1,494
2020-12-12	15,971,959	289,552	224,476	2,494
2020-12-11	15,747,483	287,058	234,817	2,749

## Deaths

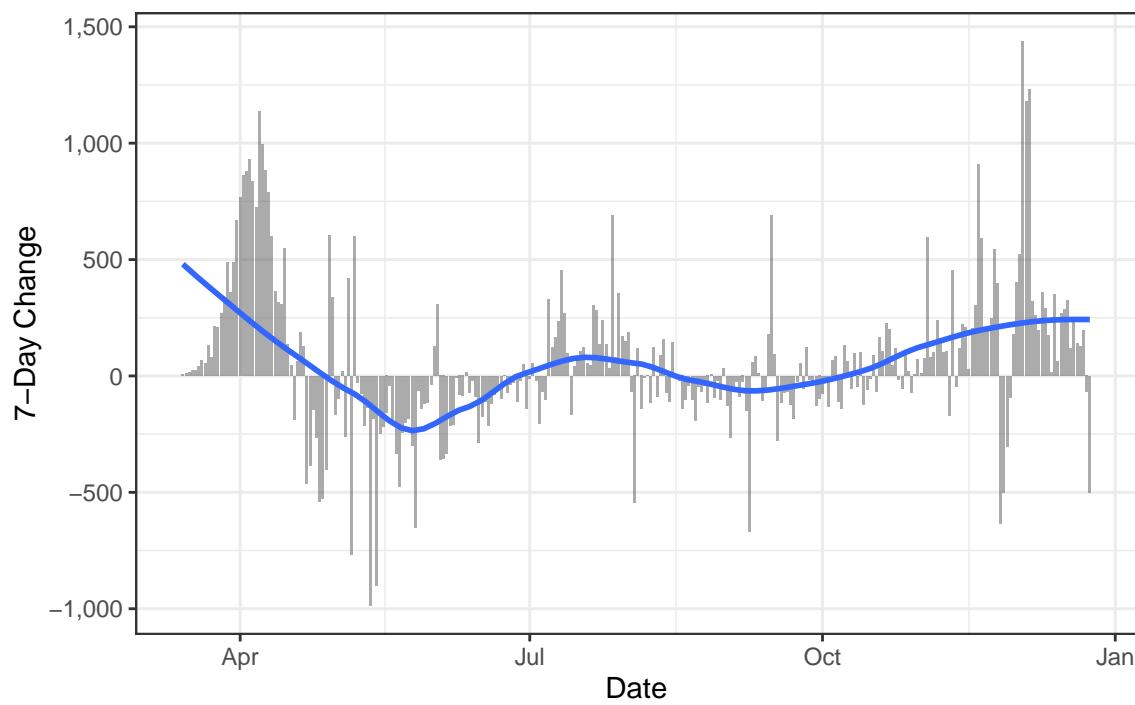
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

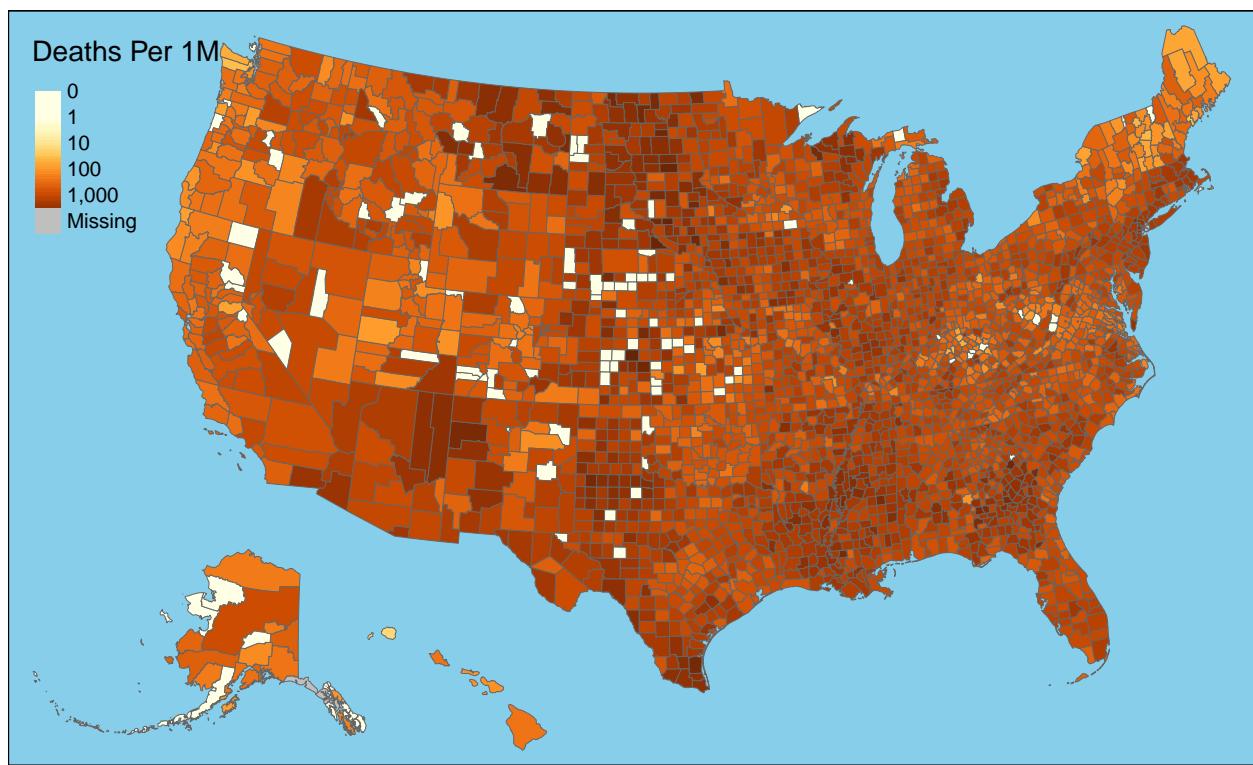


Daily Case Mortality Rate



One-Week Change in Daily Deaths

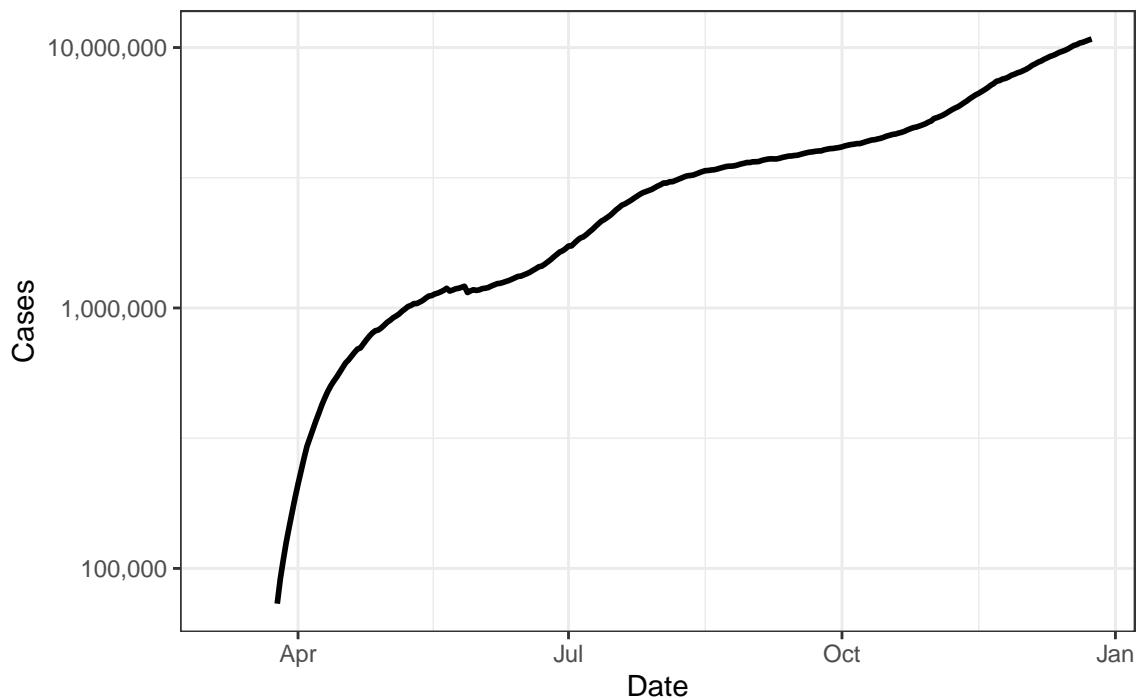




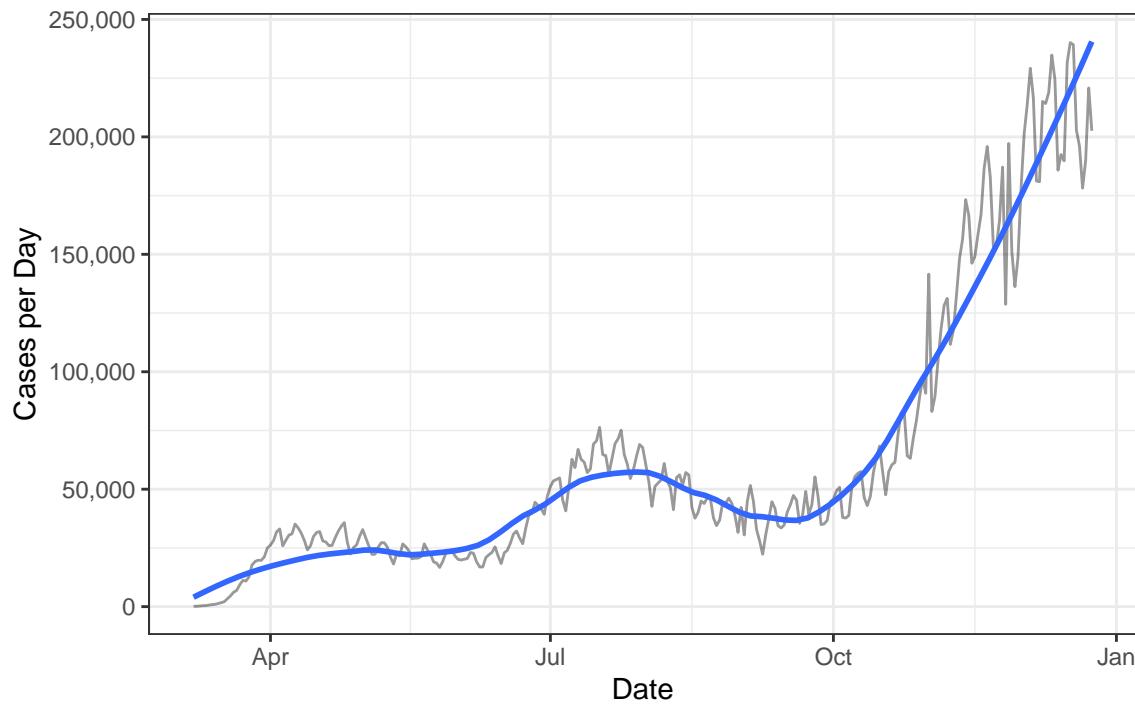
## Cases

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

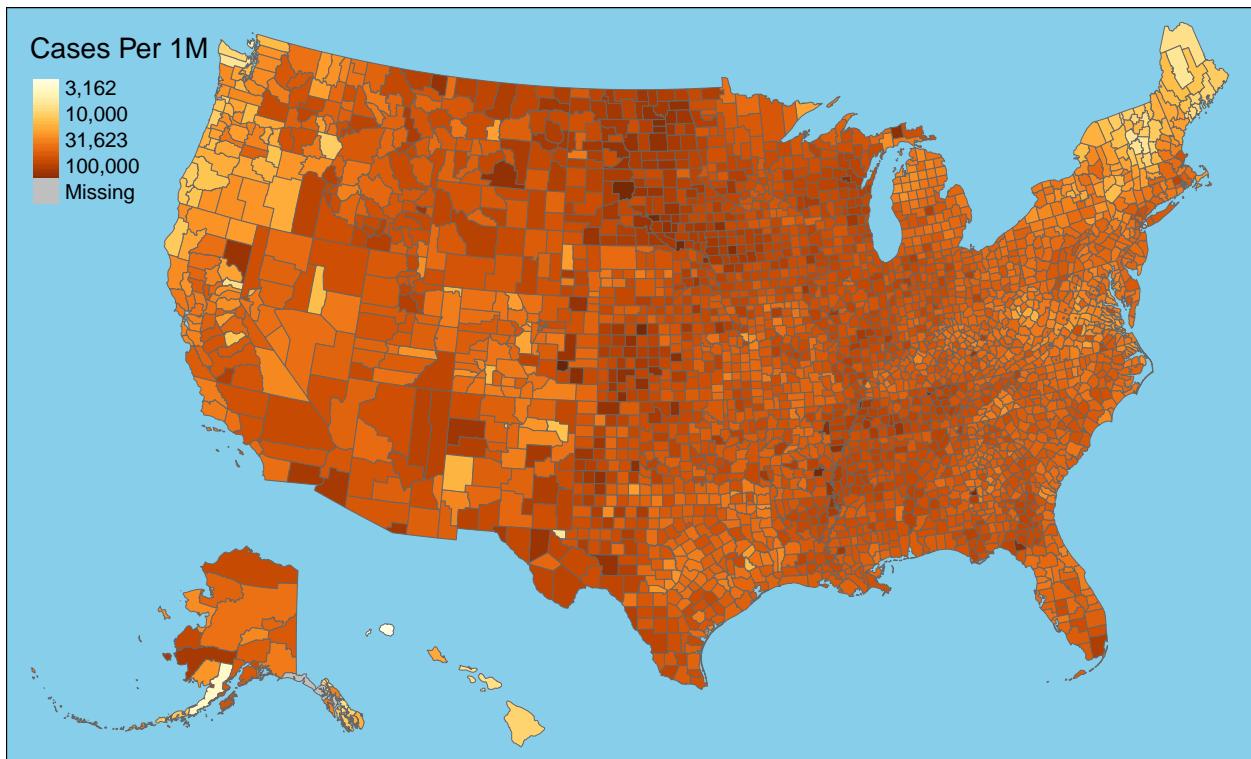
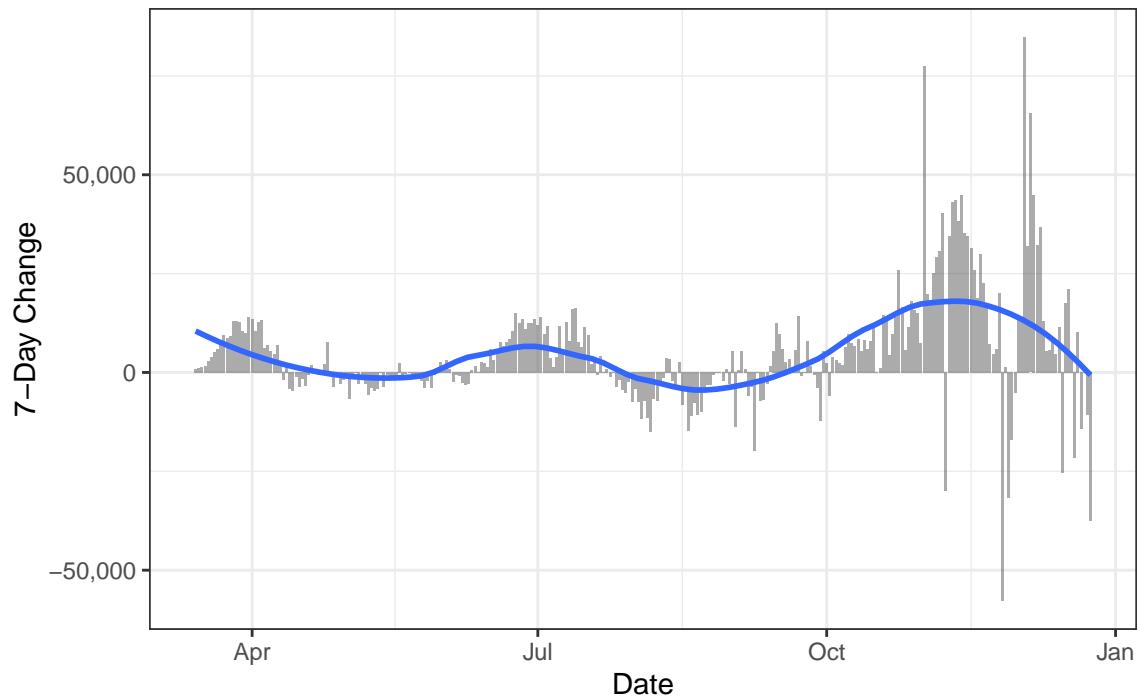
### Active Cases



### New Cases

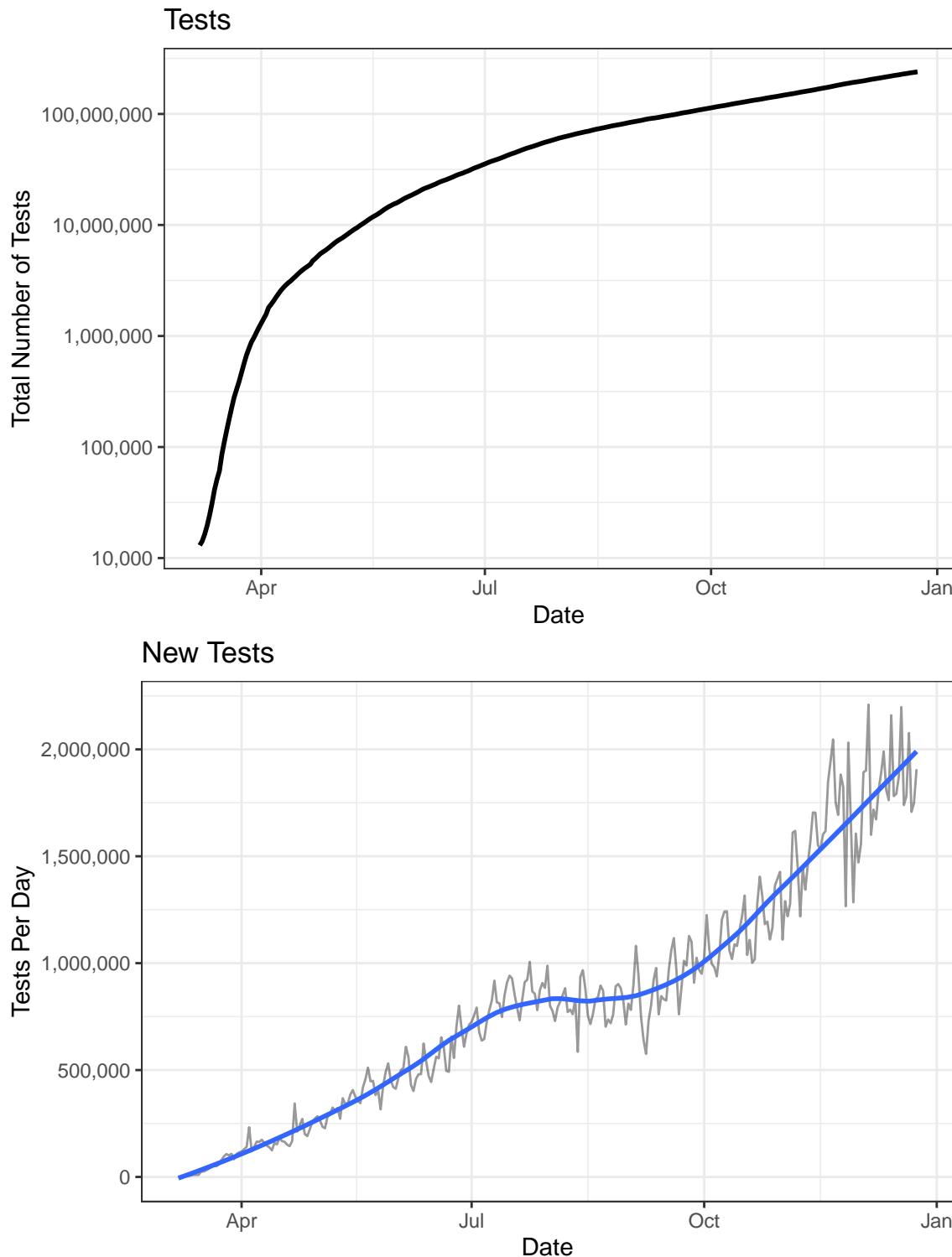


## One-Week Change in Daily Cases

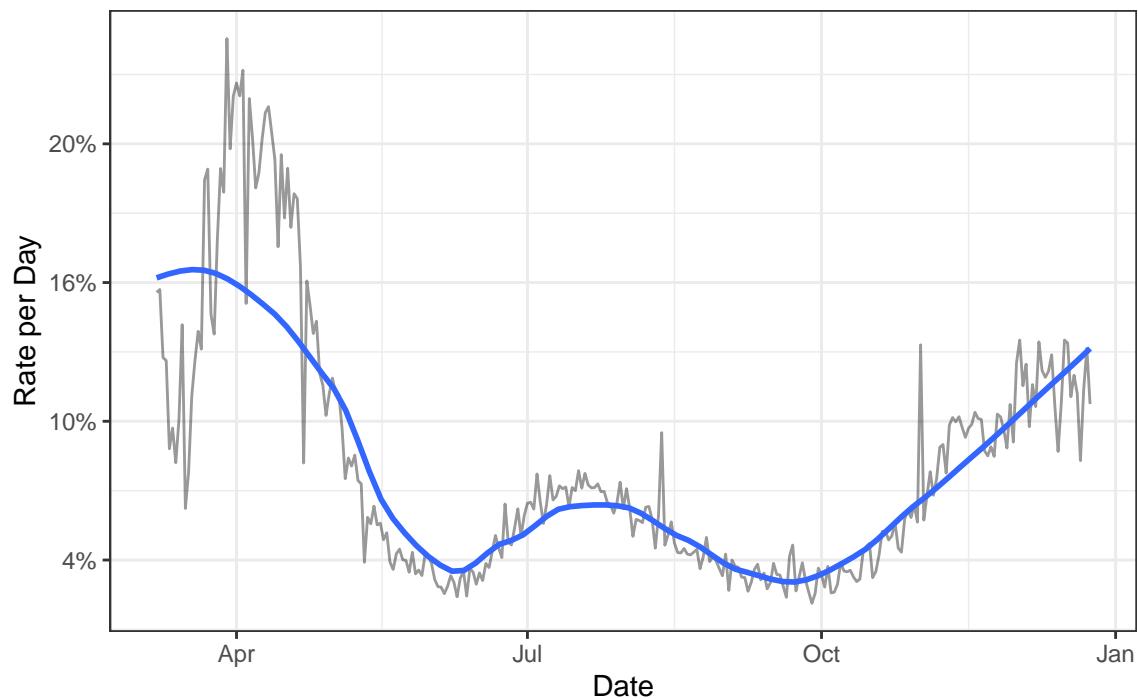


## Testing

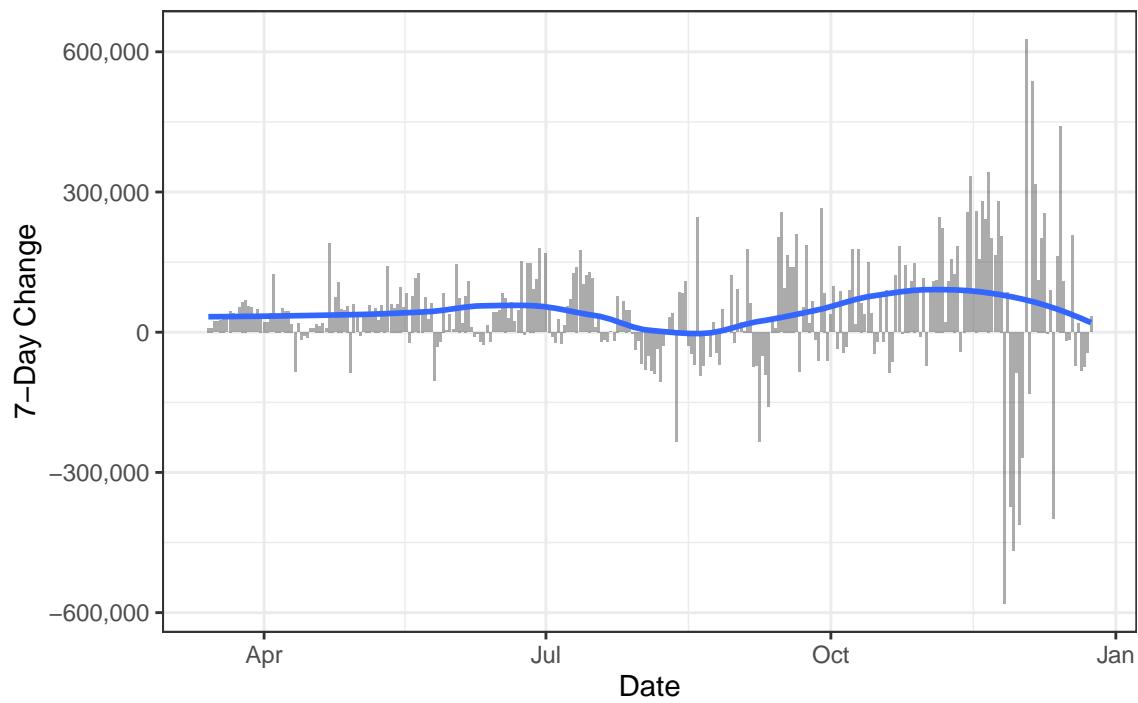
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



### Positive Test Rate



### One-Week Change in Daily Tests

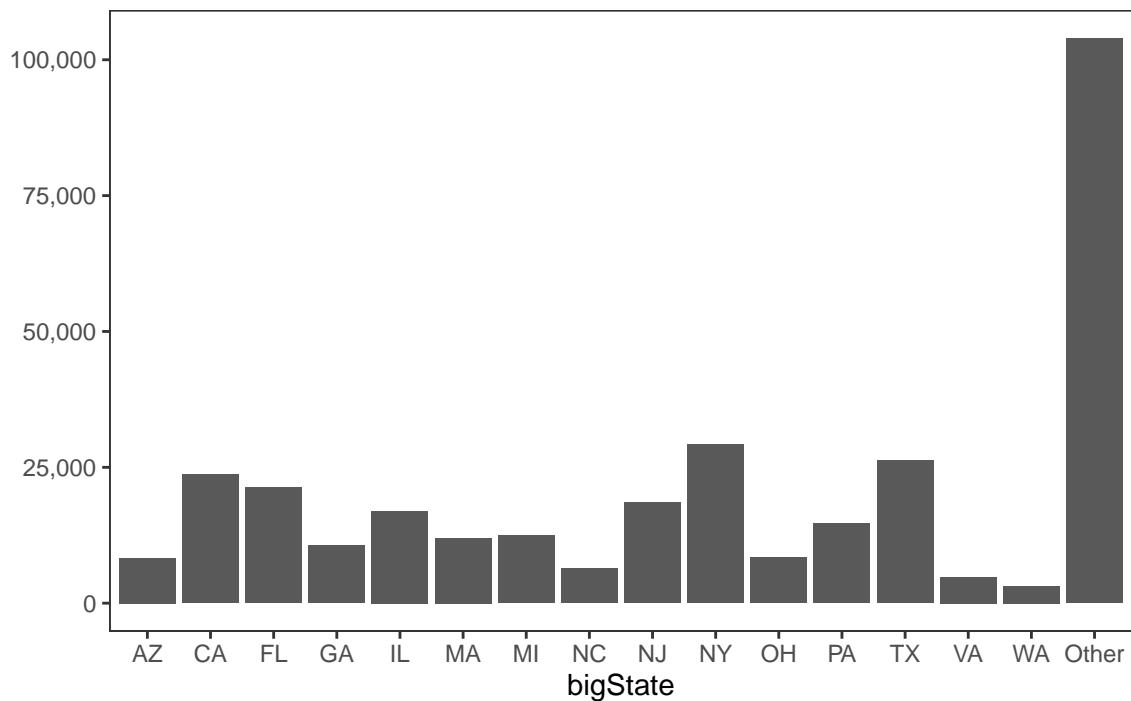


## State Data

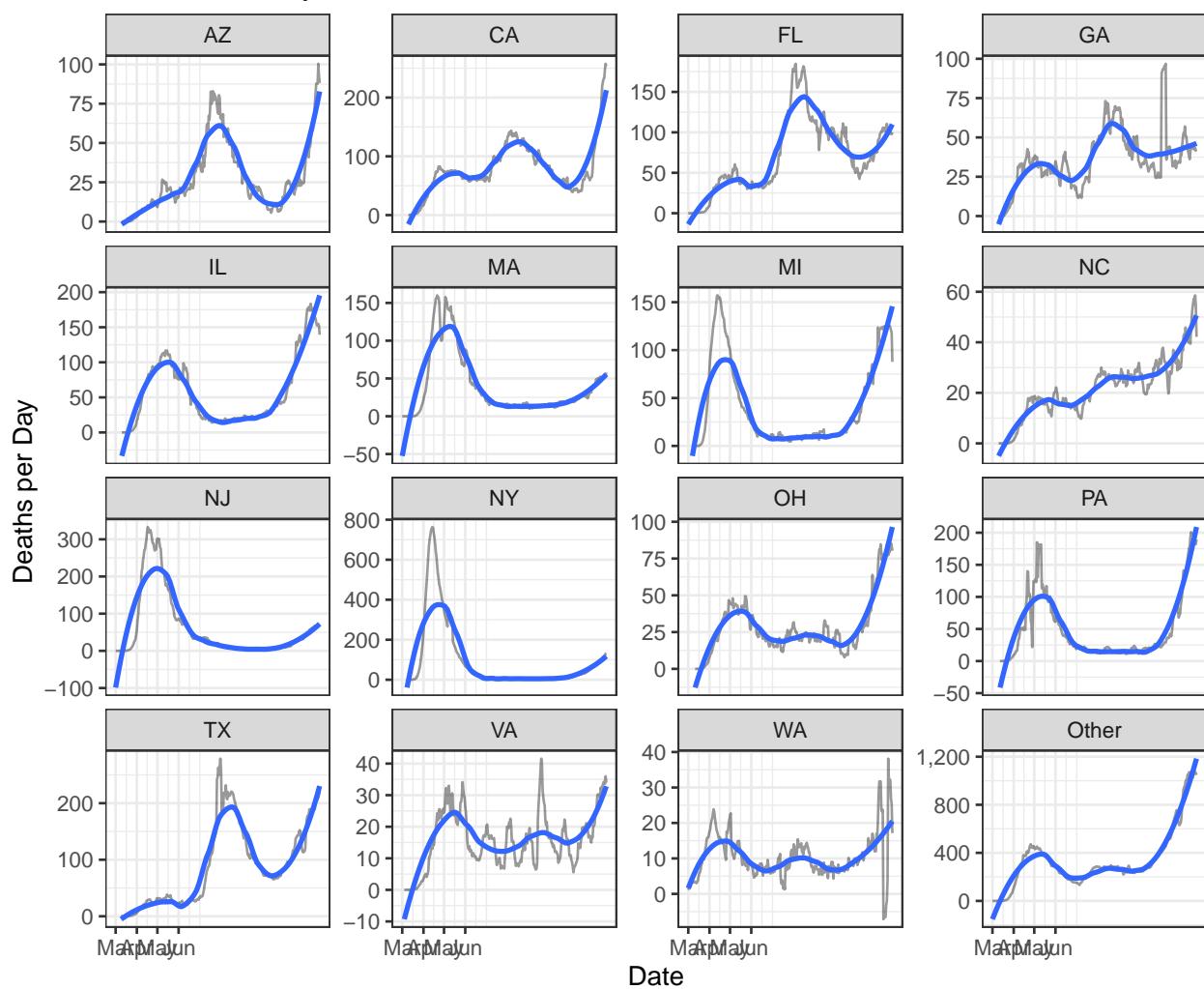
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

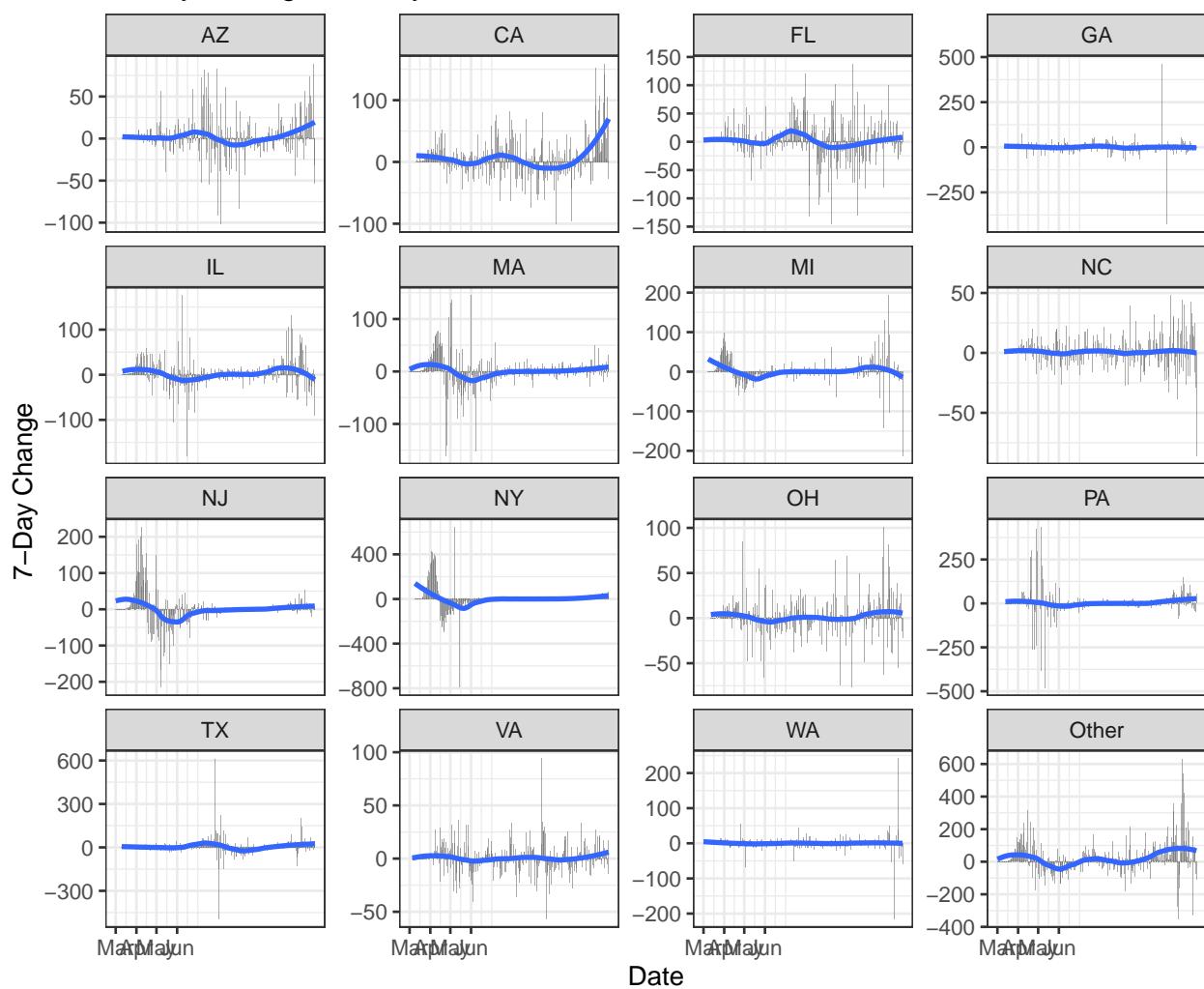
Deaths by State

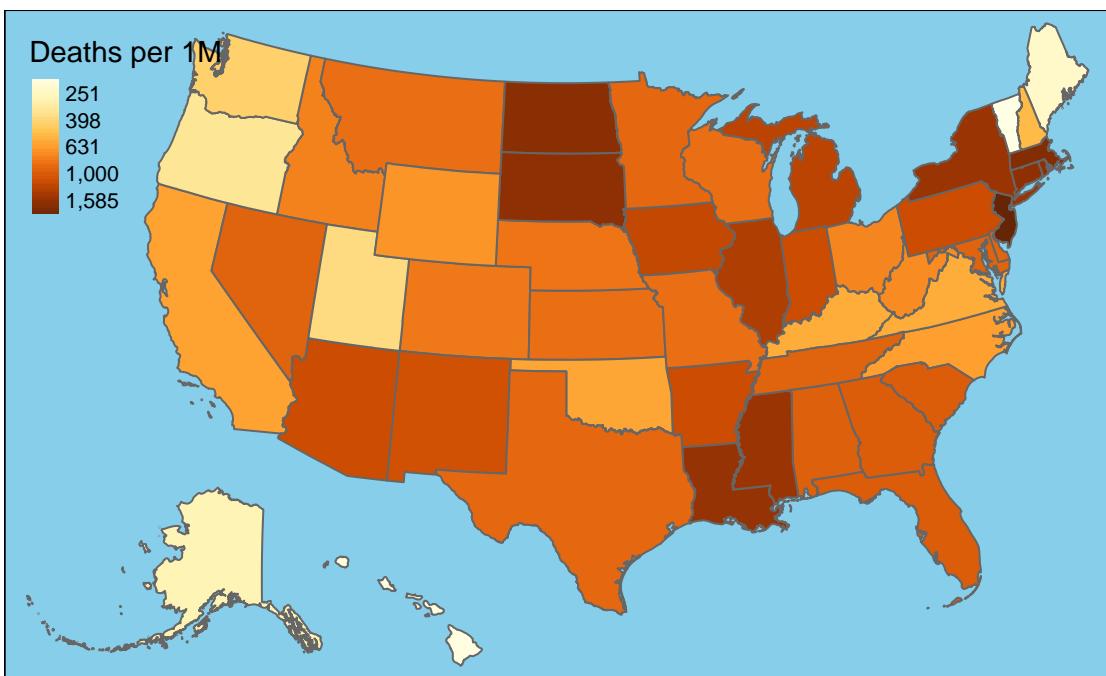
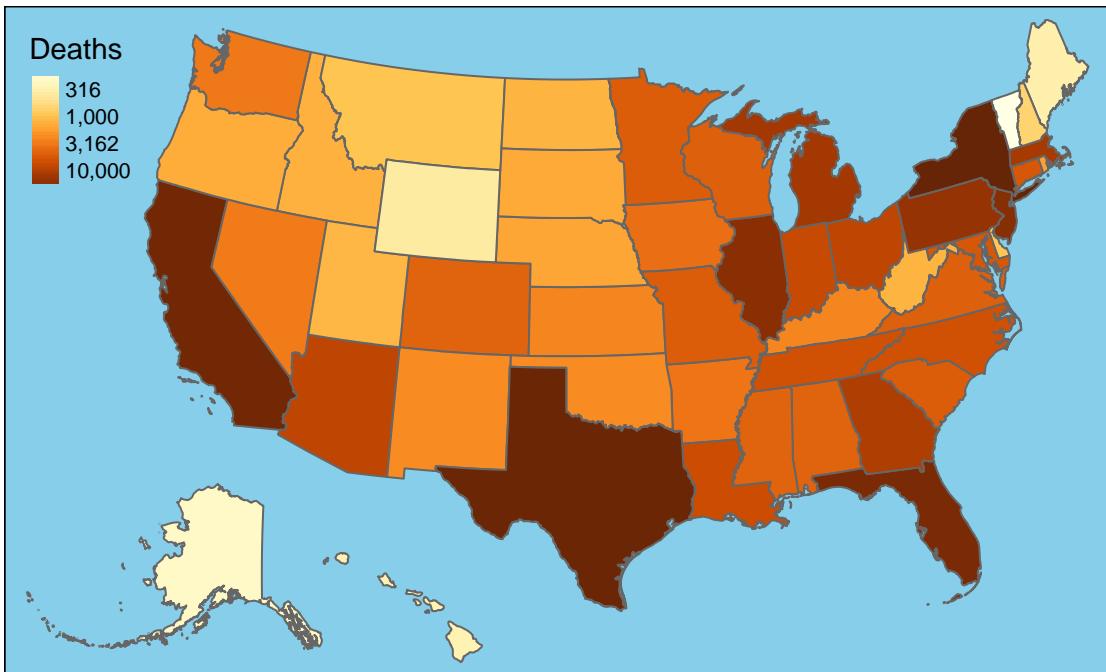


## New Deaths by State



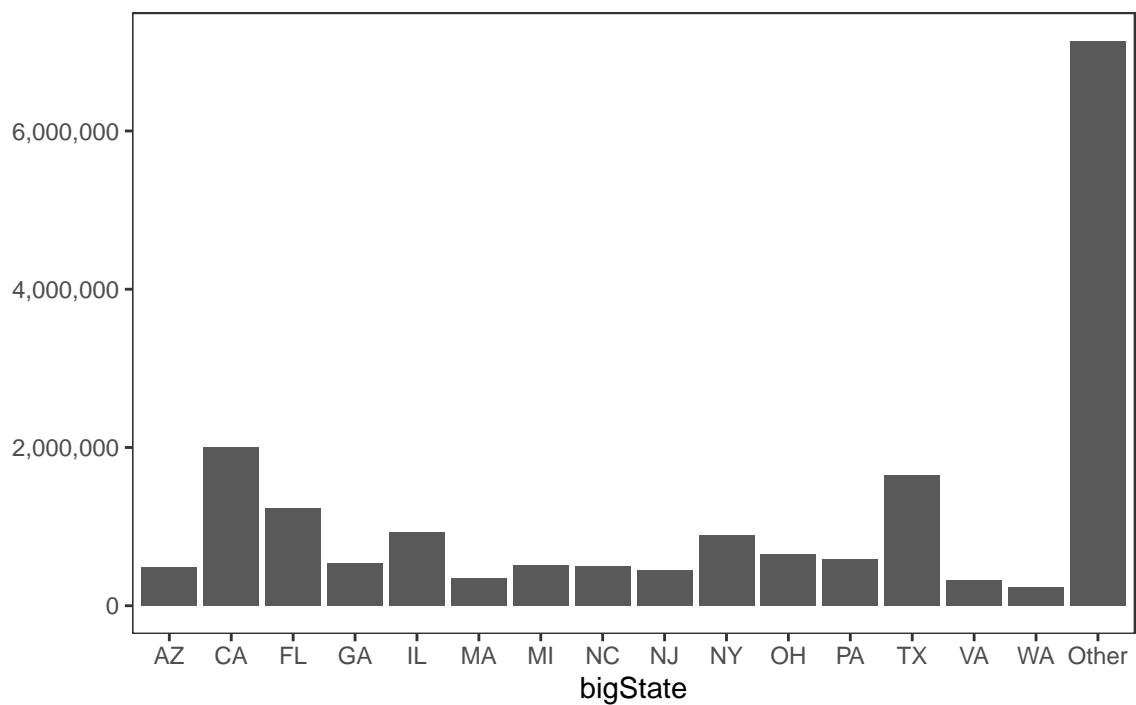
### 7-Day Change in Daily Deaths



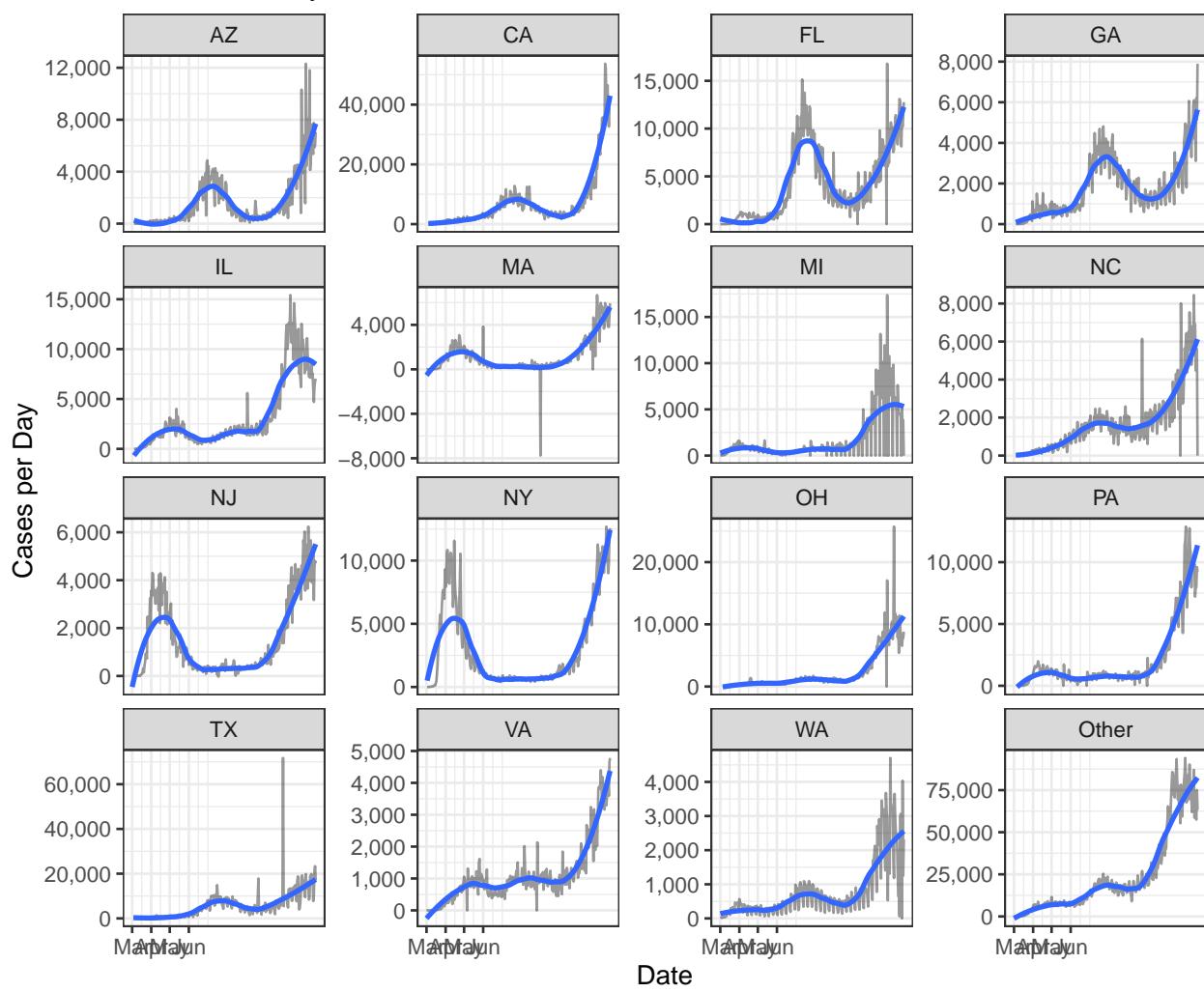


Cases

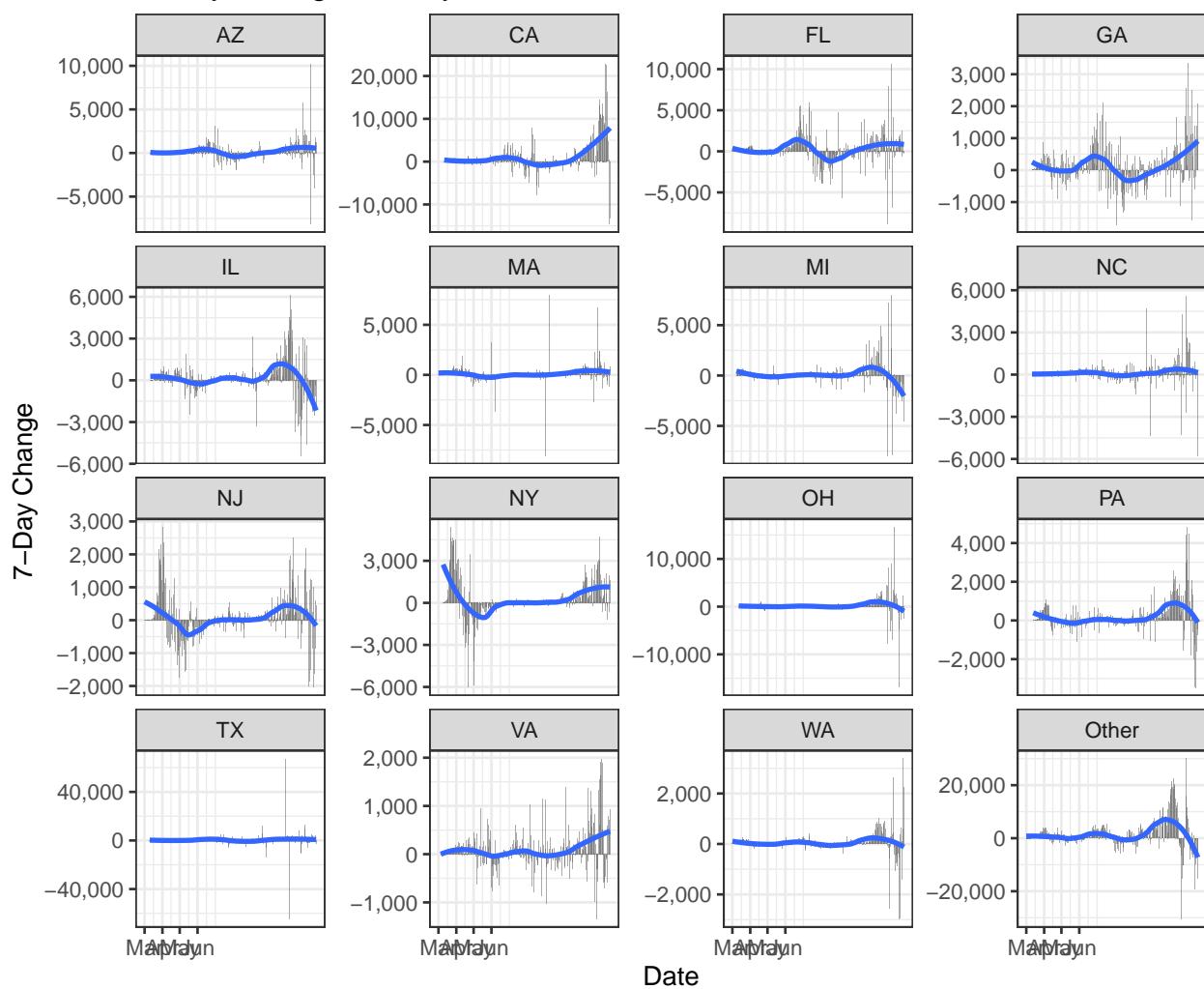
Cases by State

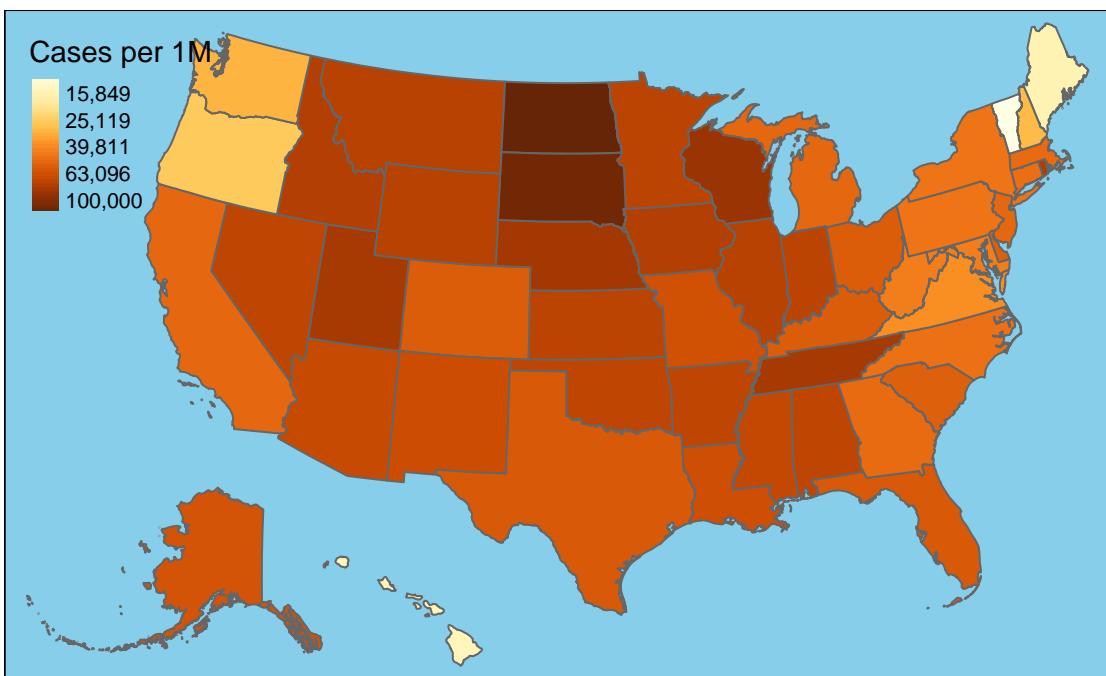
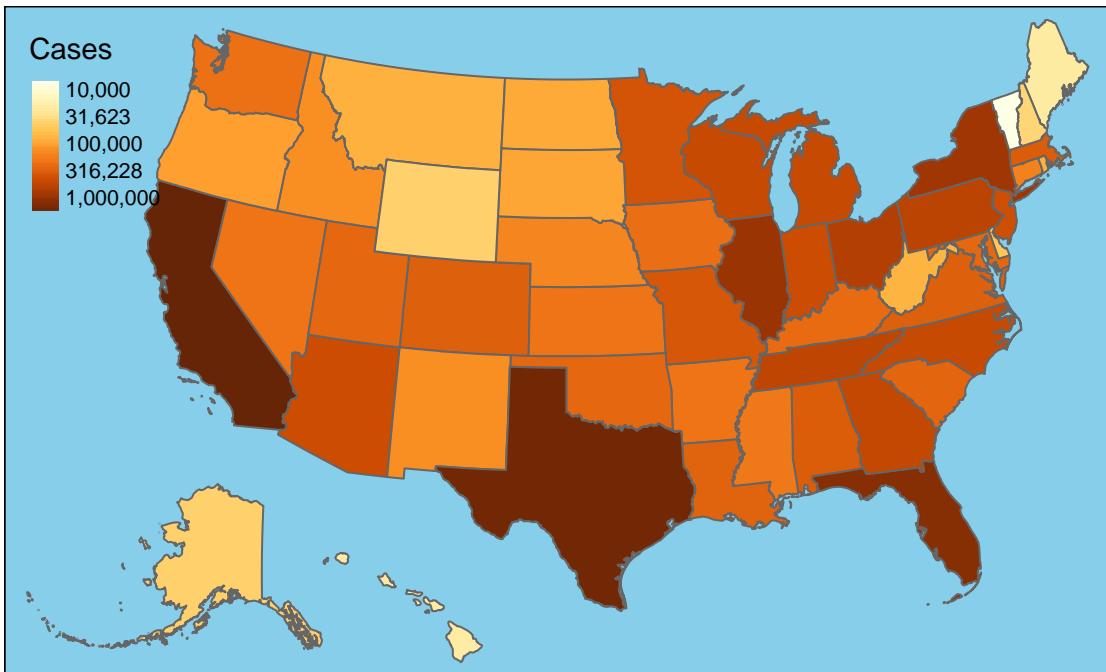


## New Cases by State

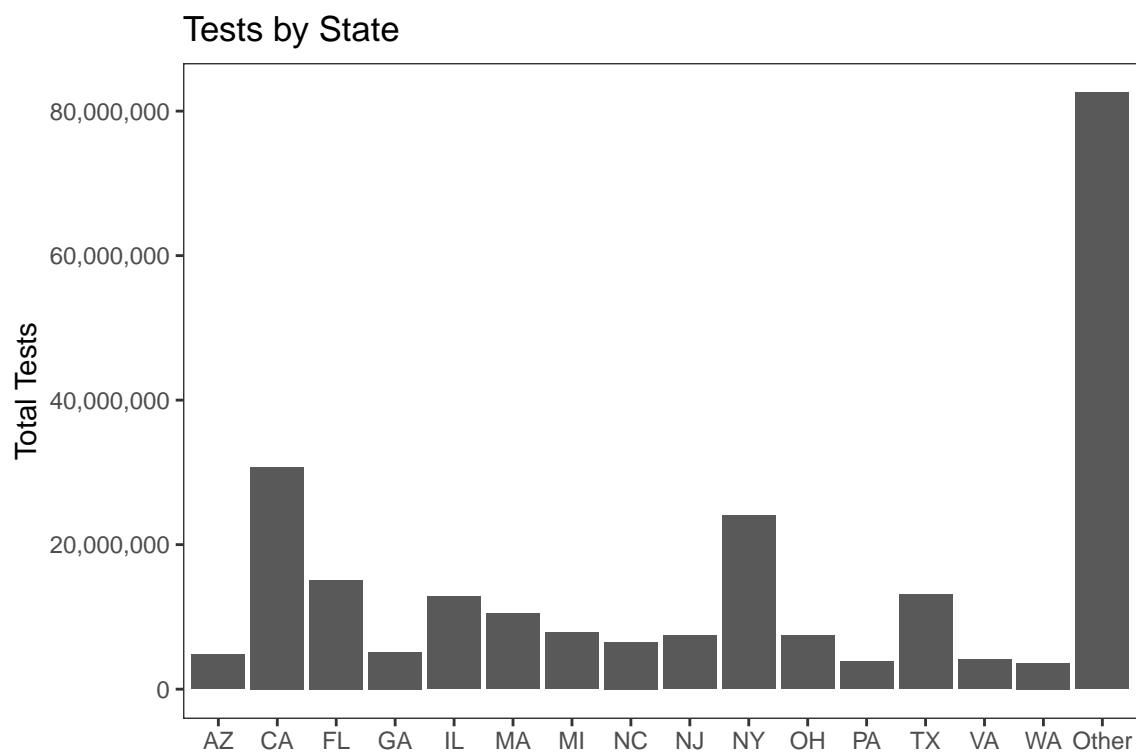


### 7-Day Change in Daily Cases

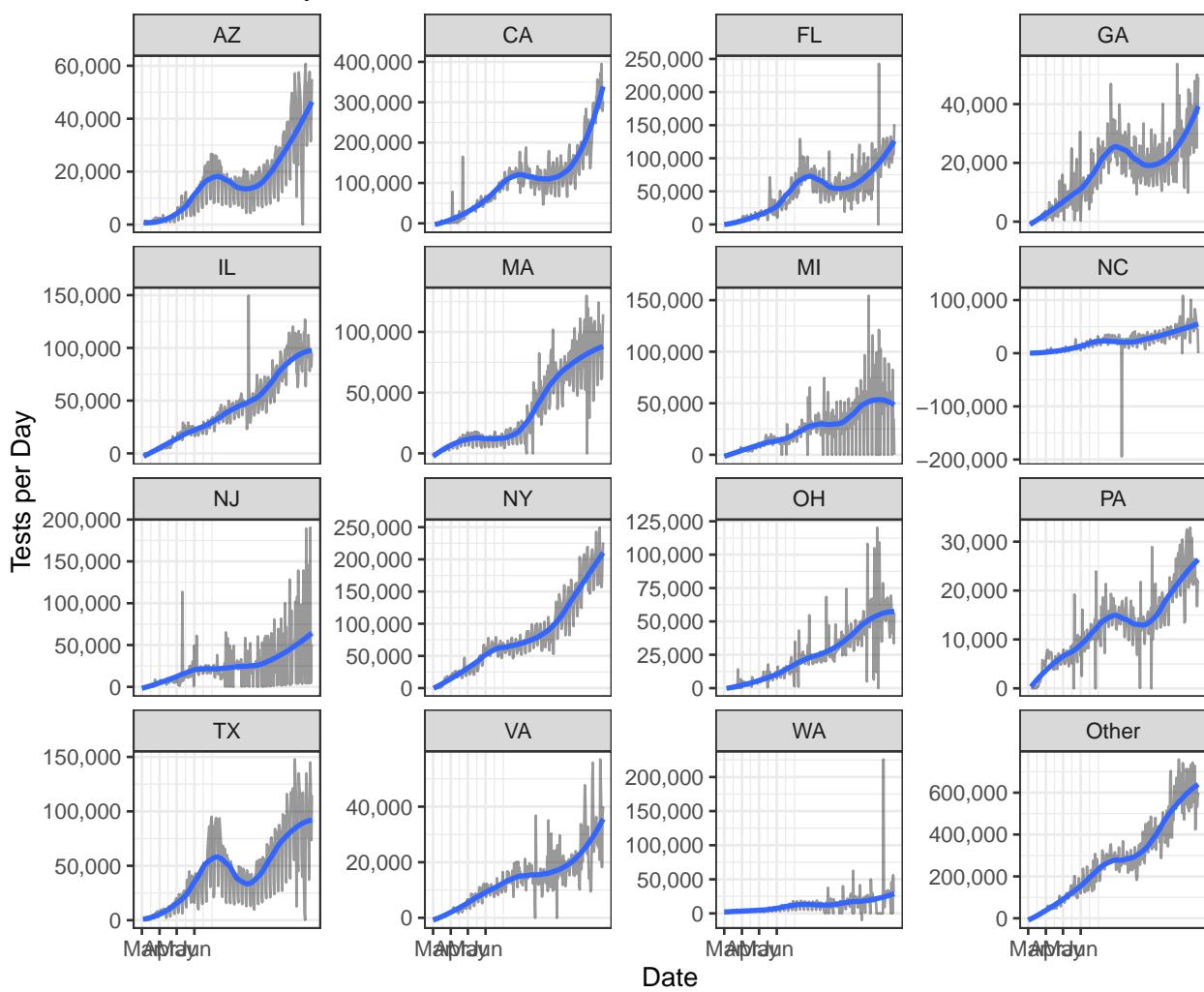


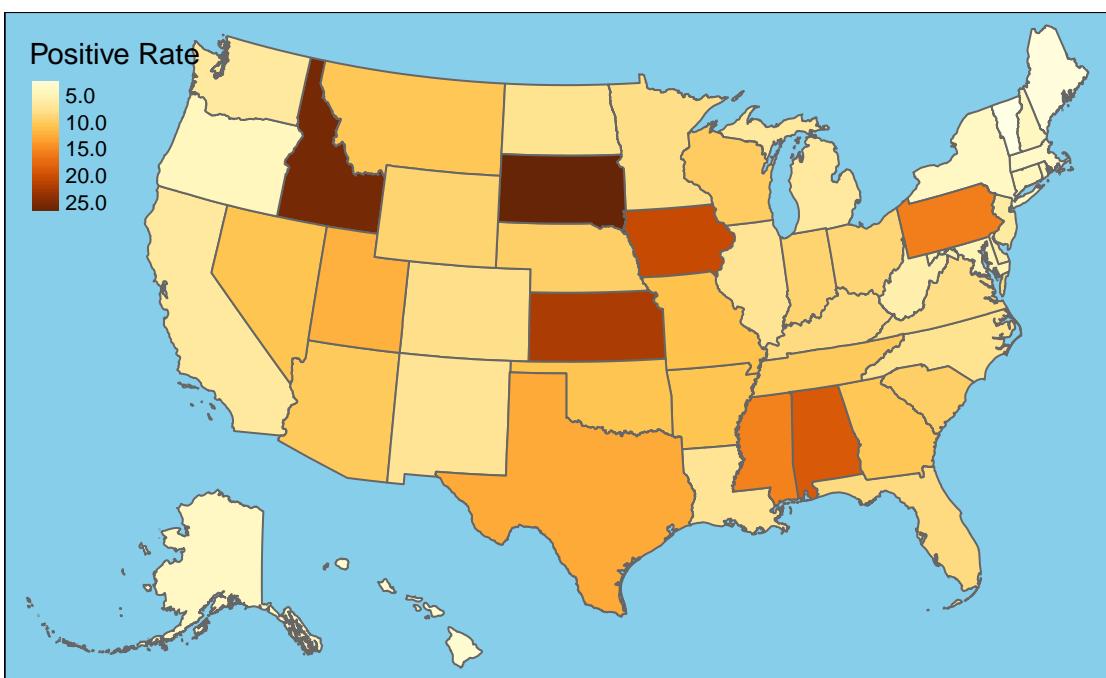
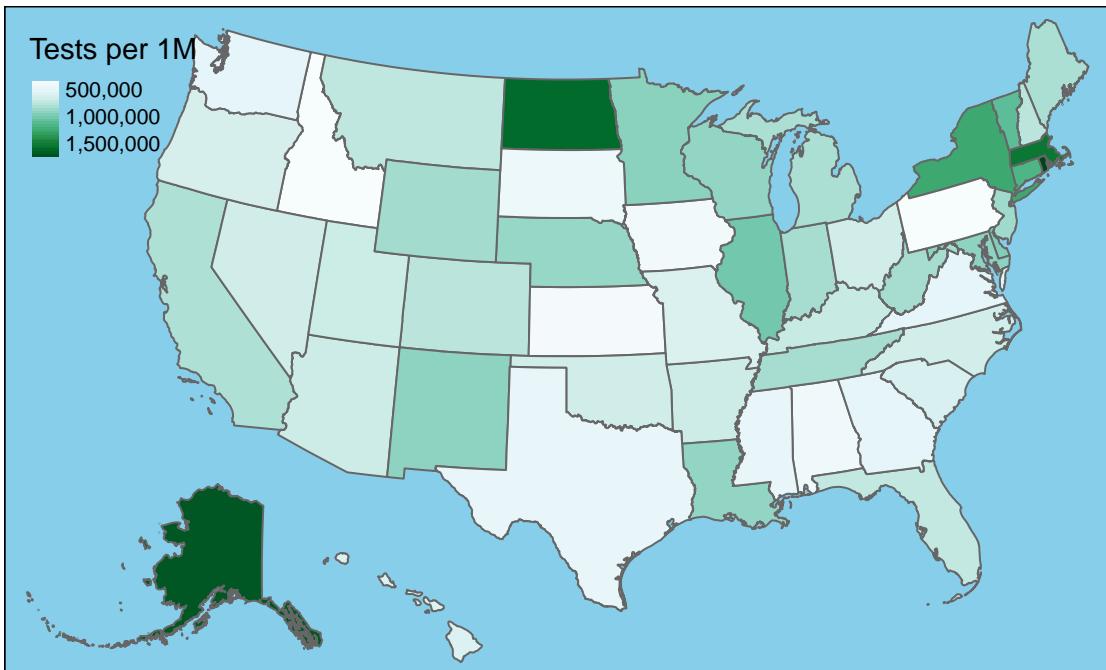


## Testing



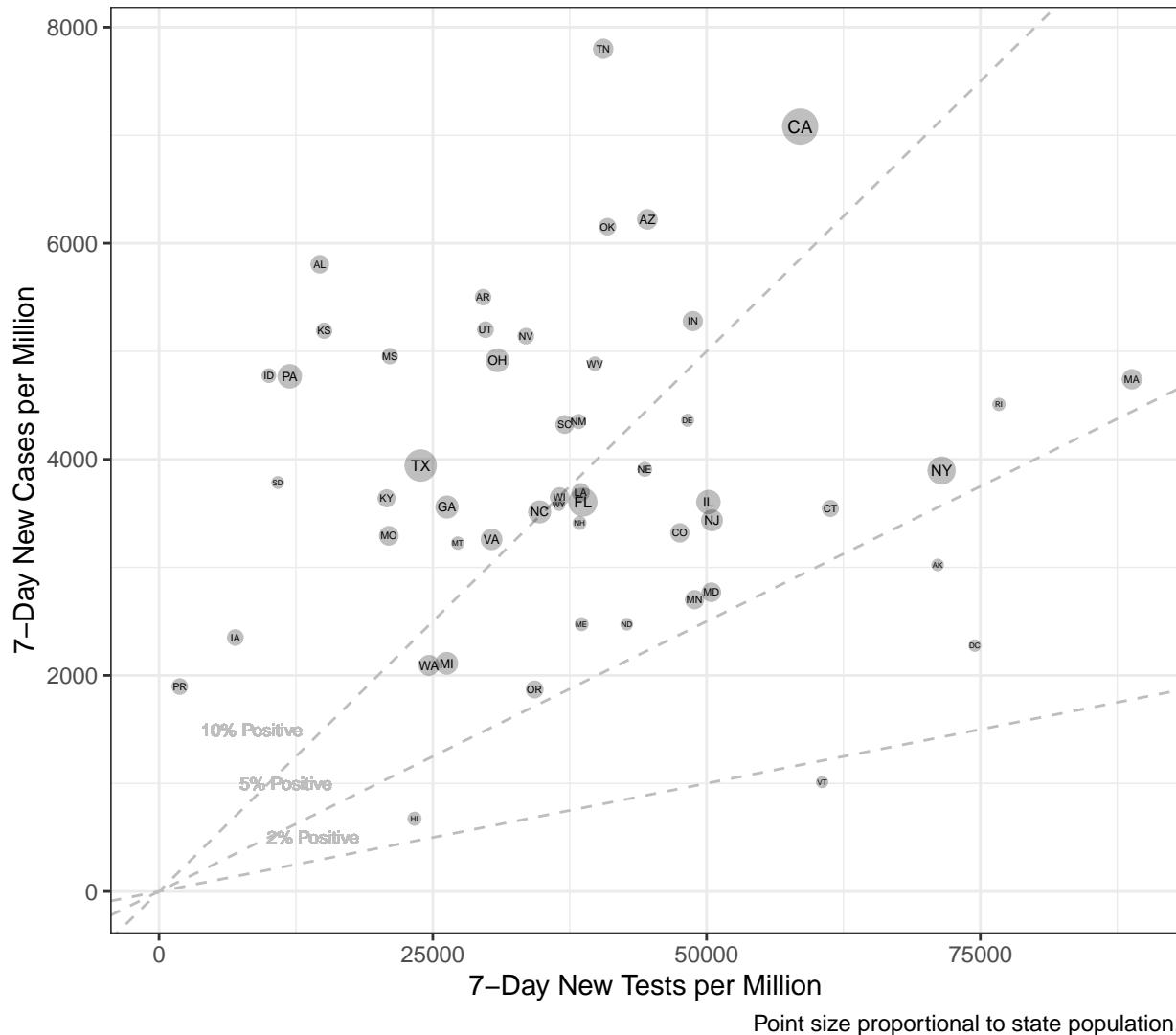
## New Tests by State





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



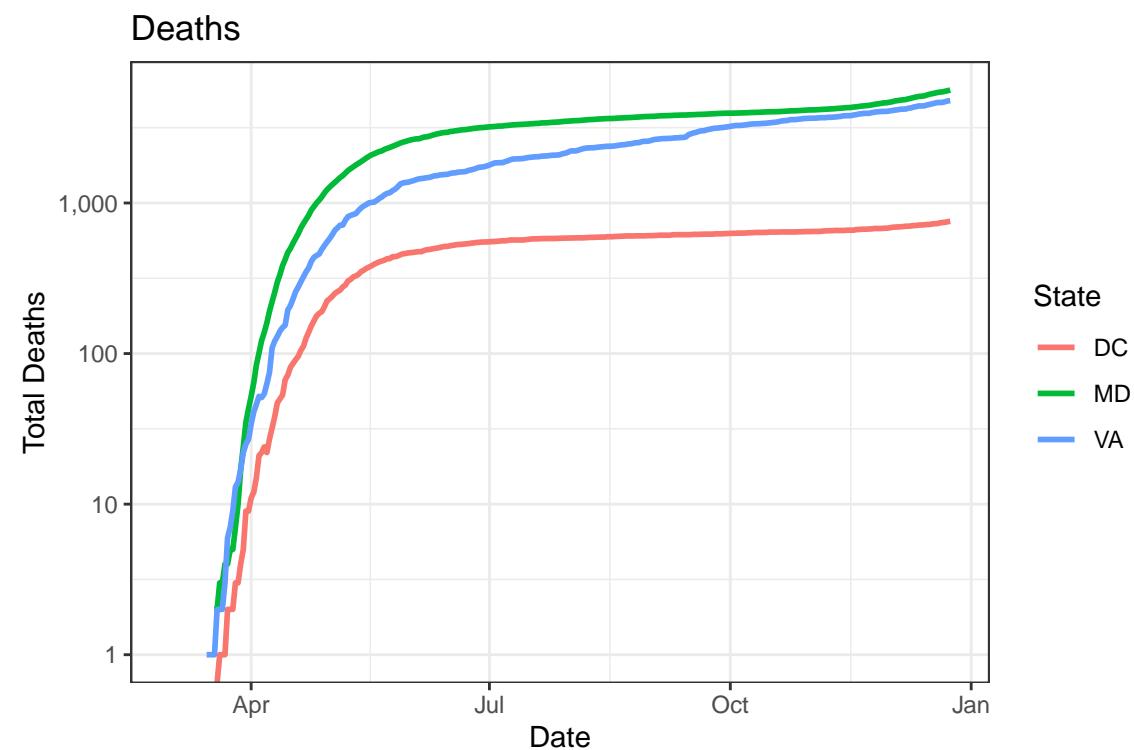
## Local Data

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

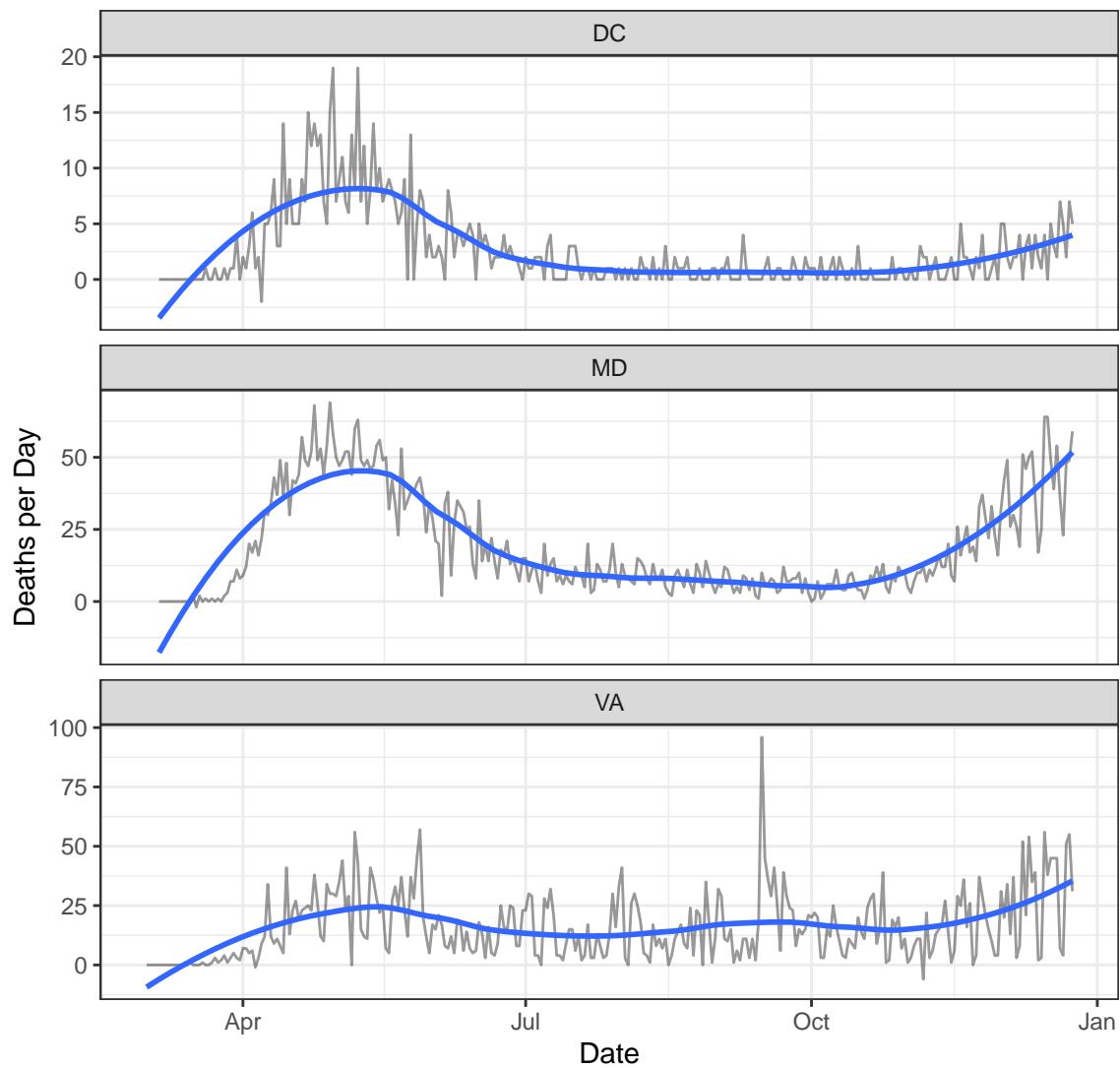
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	27,436	756	210	5
MD	260,728	5,627	2,866	59
VA	323,915	4,791	4,782	31

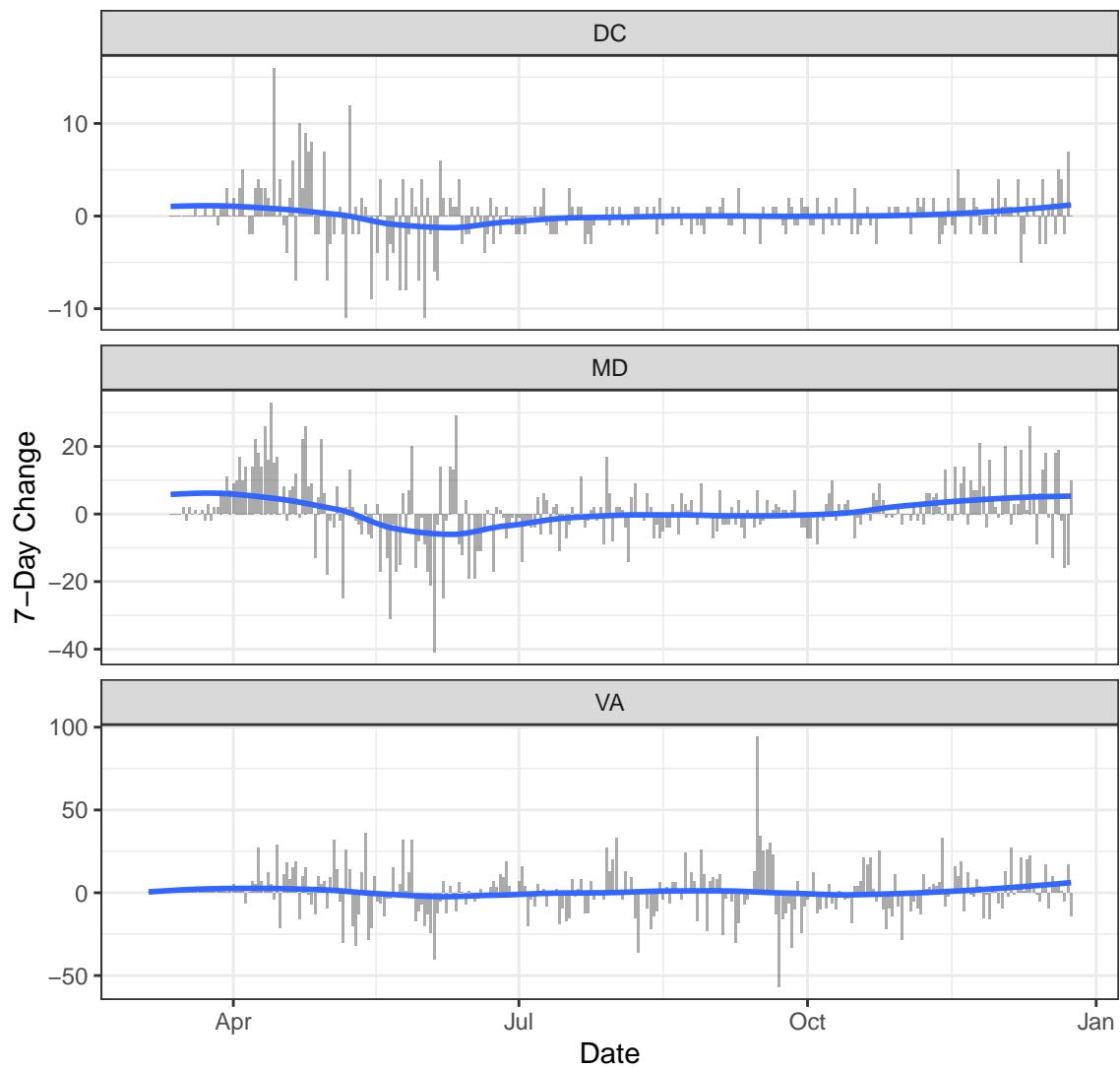
## Deaths

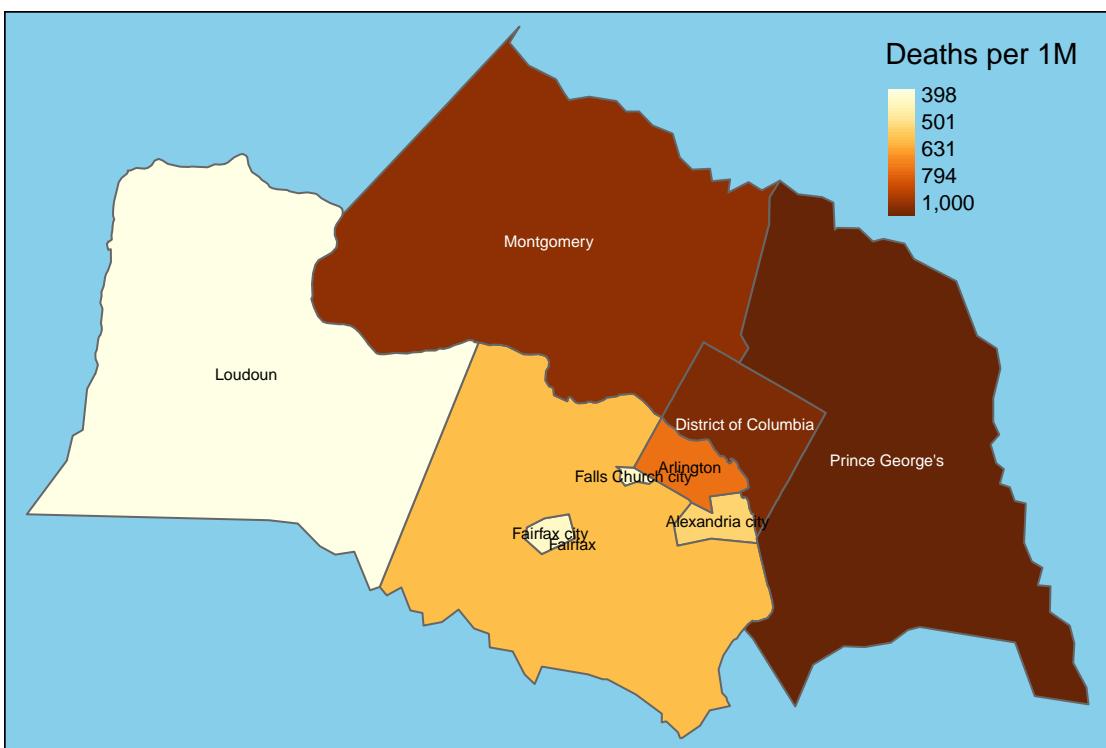
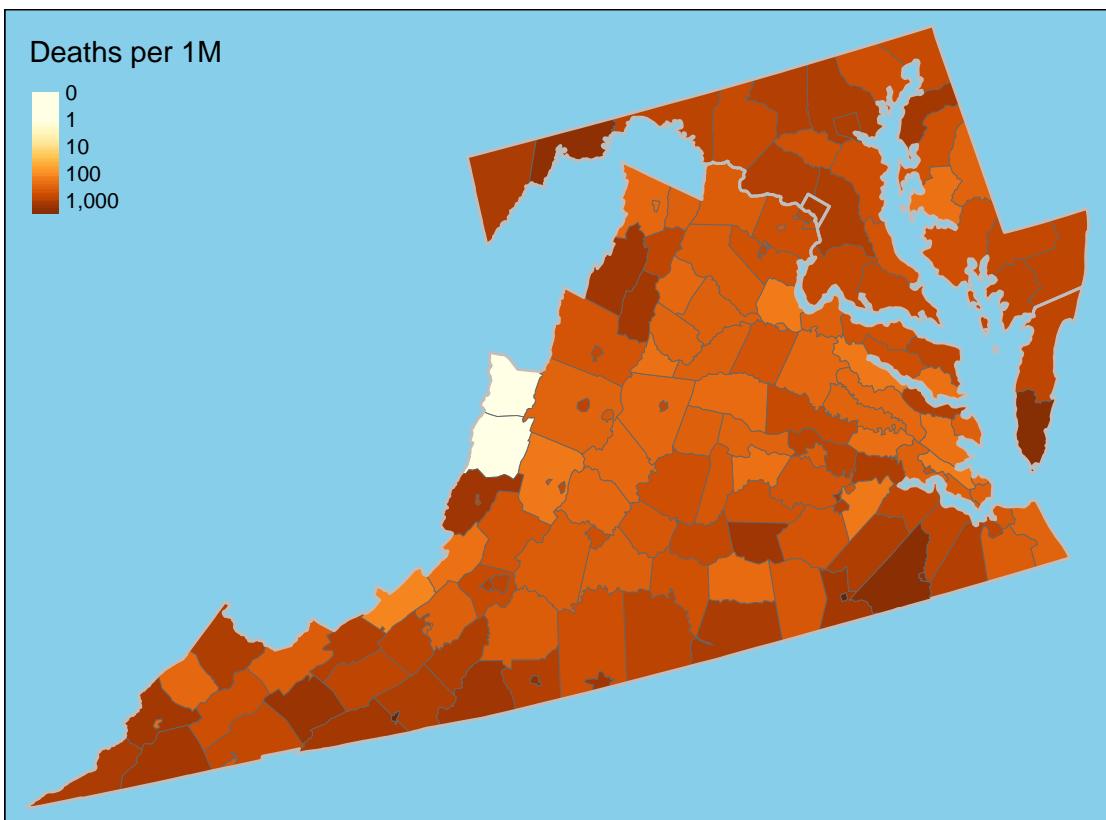


## New Deaths

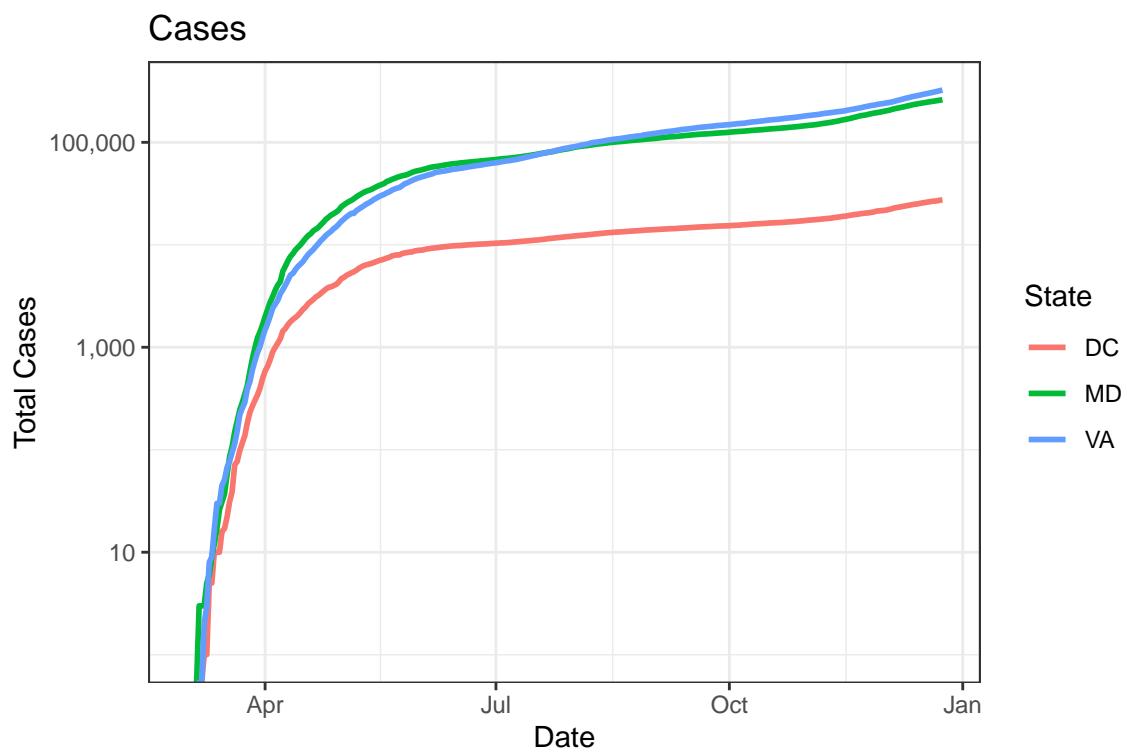


## One-Week Change in Daily Deaths

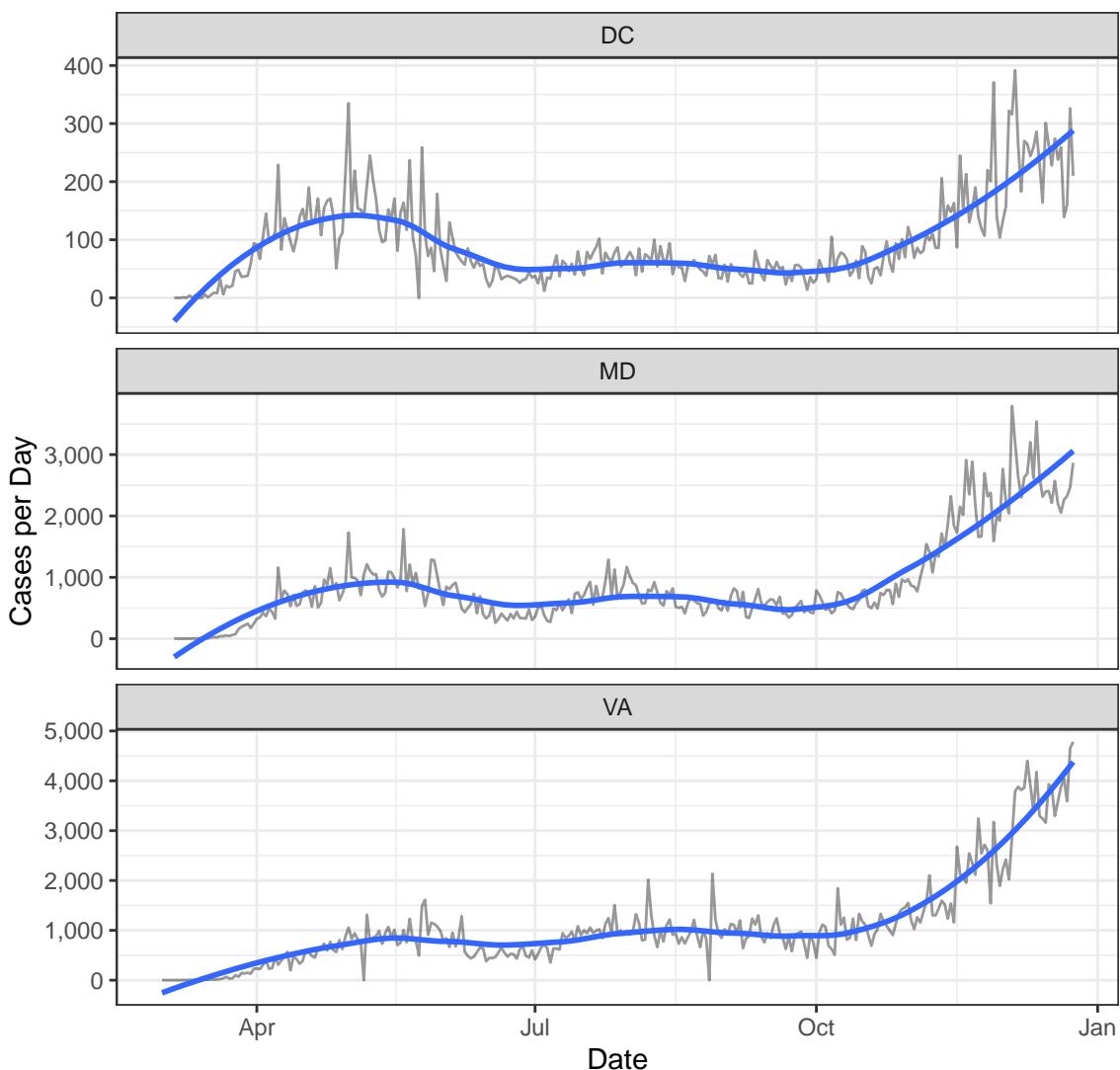




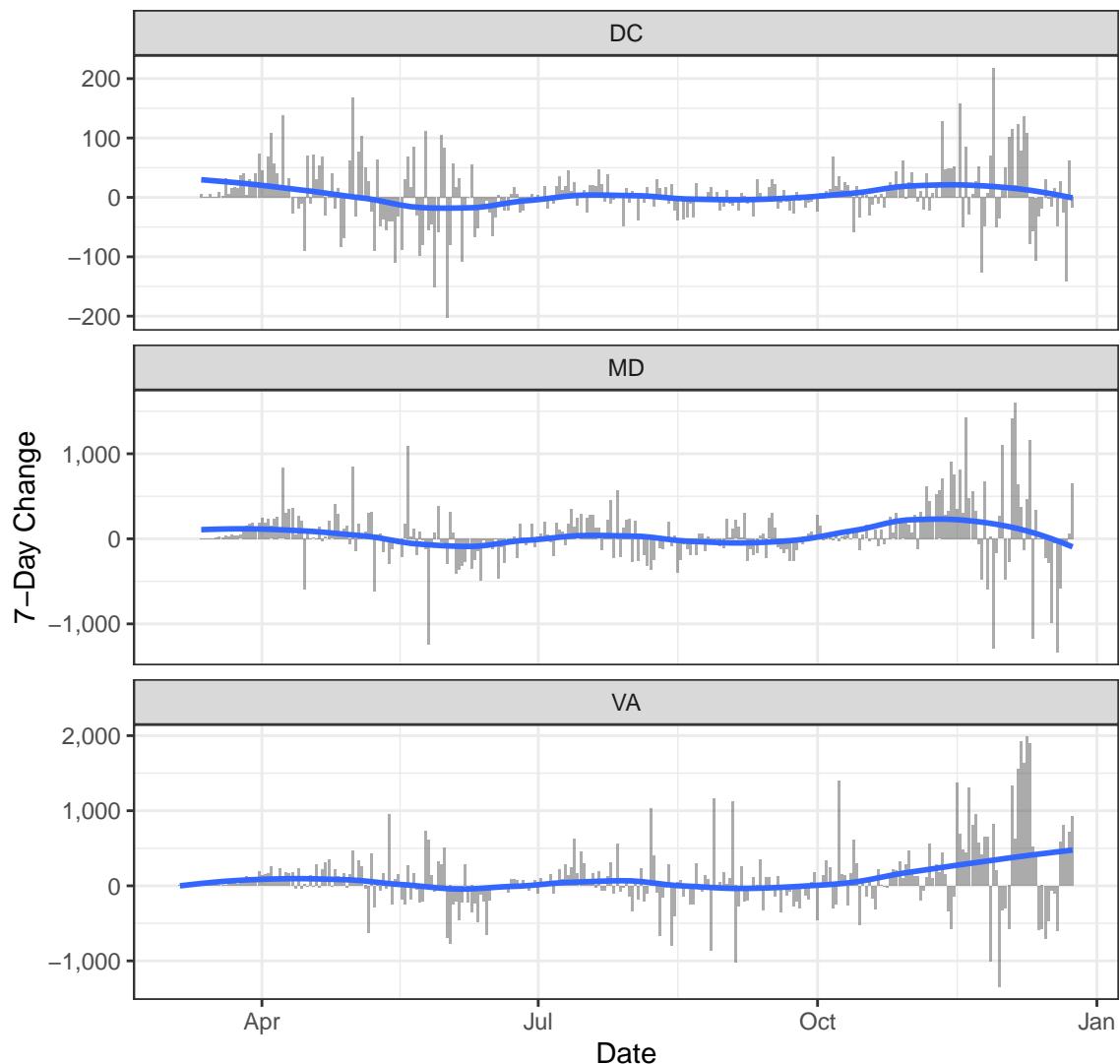
Cases

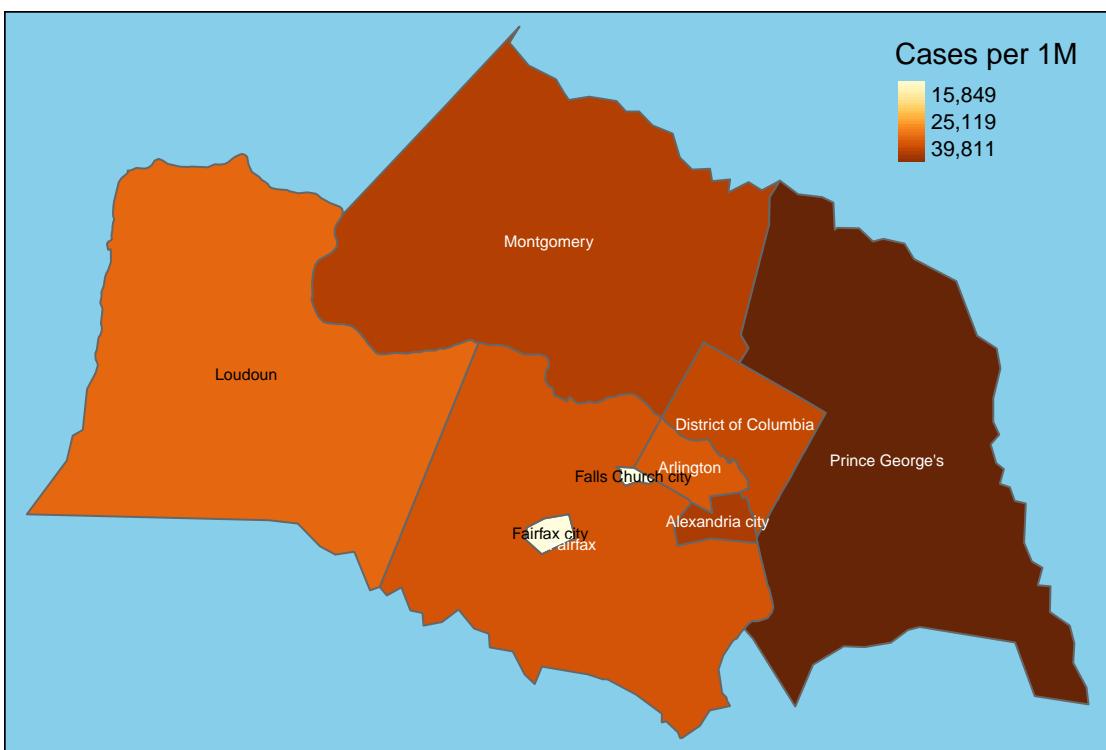
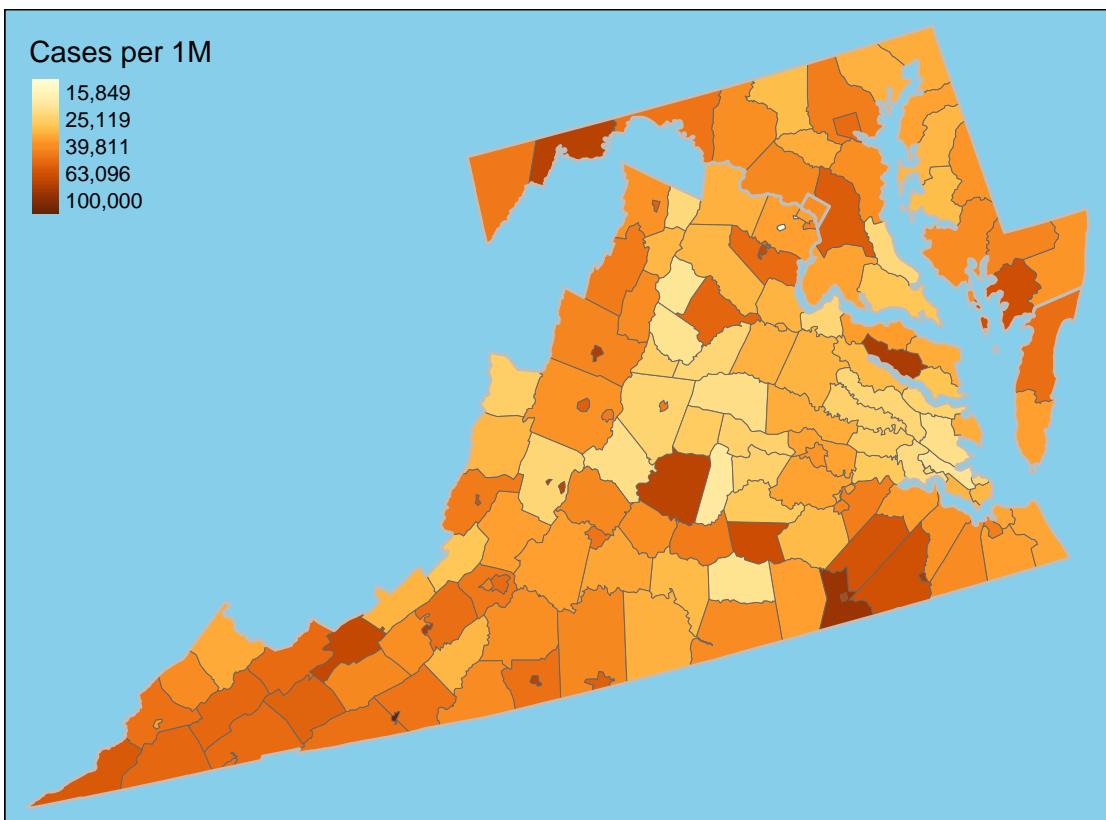


## New Cases

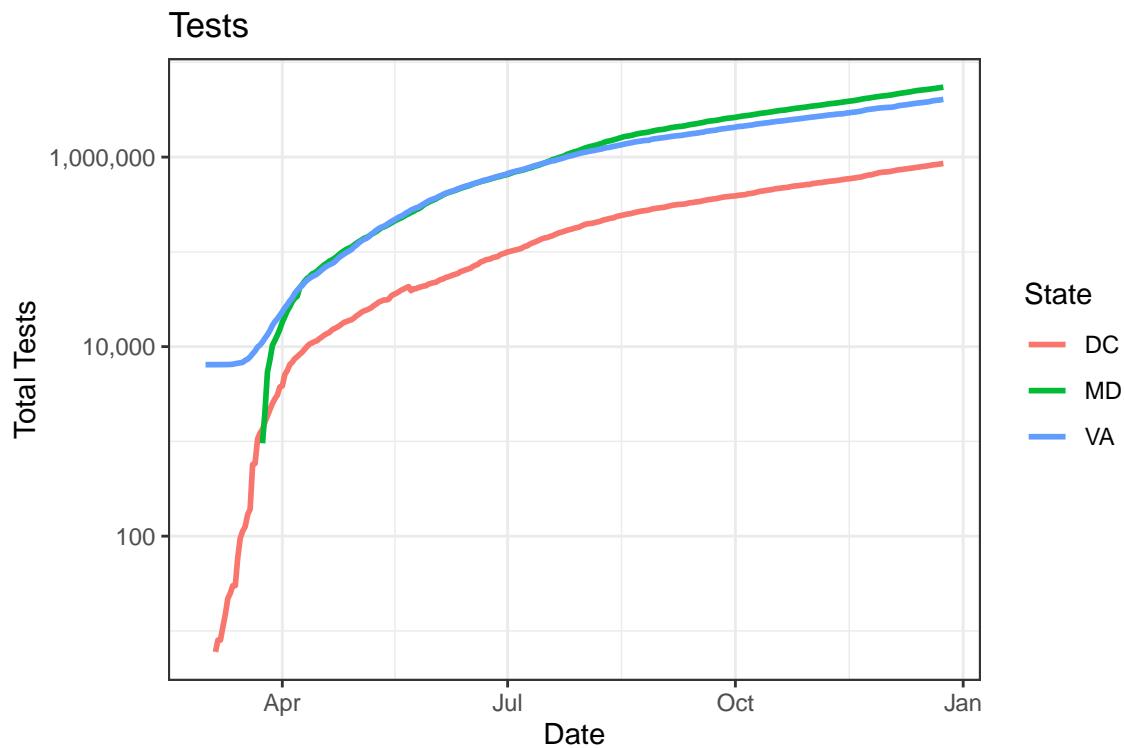


## One-Week Change in Daily Cases

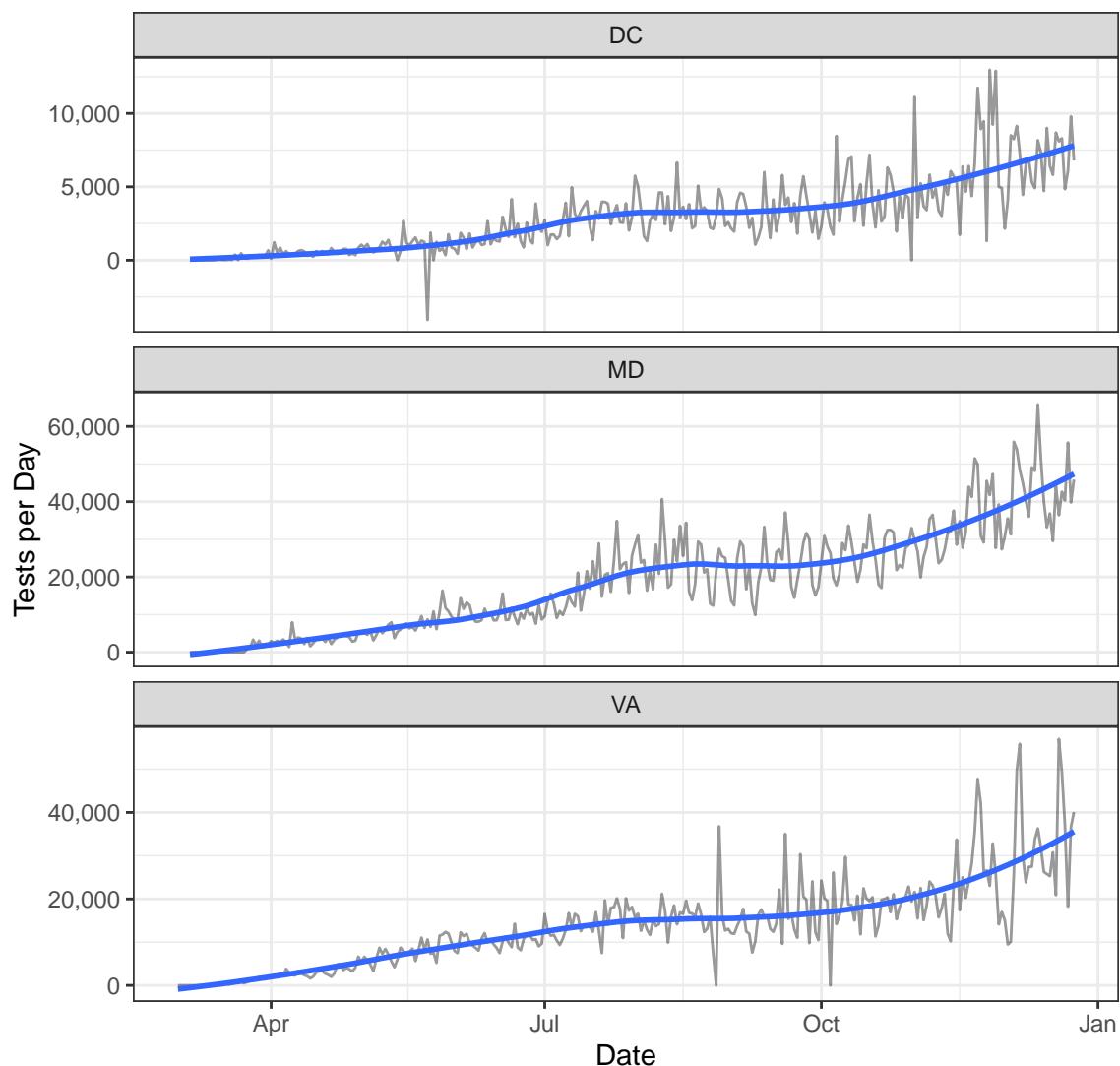




## Testing



## New Tests



## Positive Test Rate

