

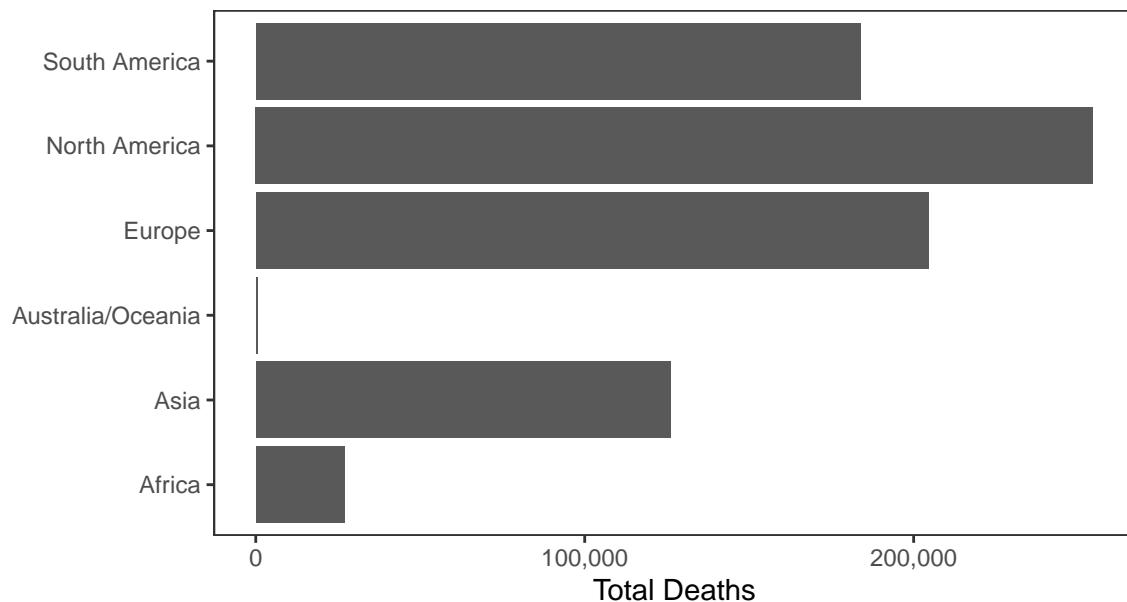
# Erik's Covid-19 Chart Pack

Data updated 2020-08-21 19:20:19. 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 22,850,163 confirmed Covid-19 cases and 796,564 deaths worldwide.

**Deaths**



**Cases**

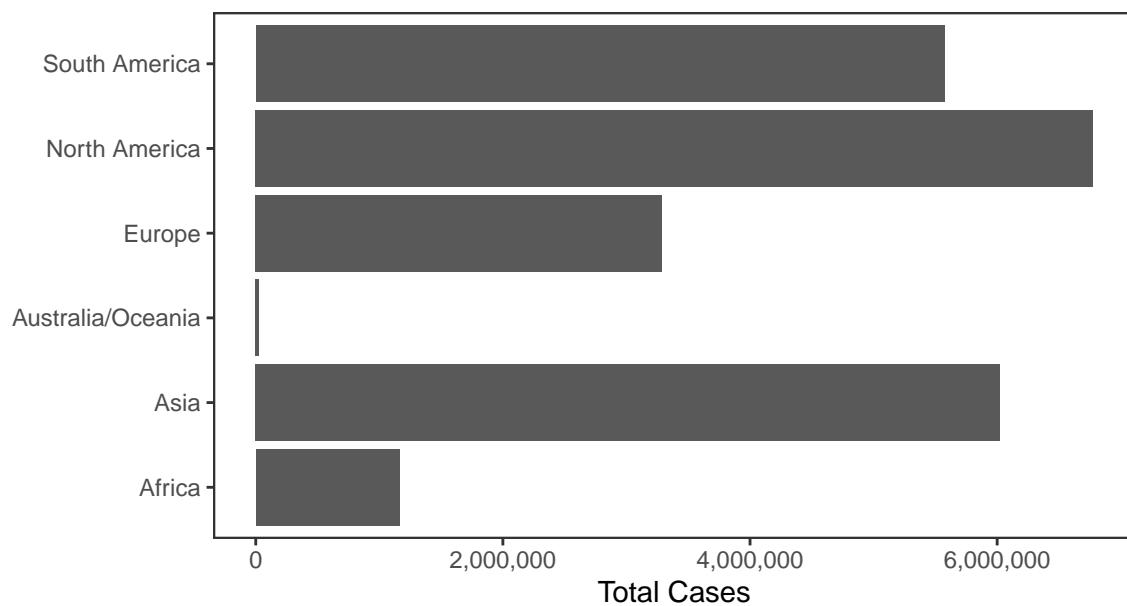
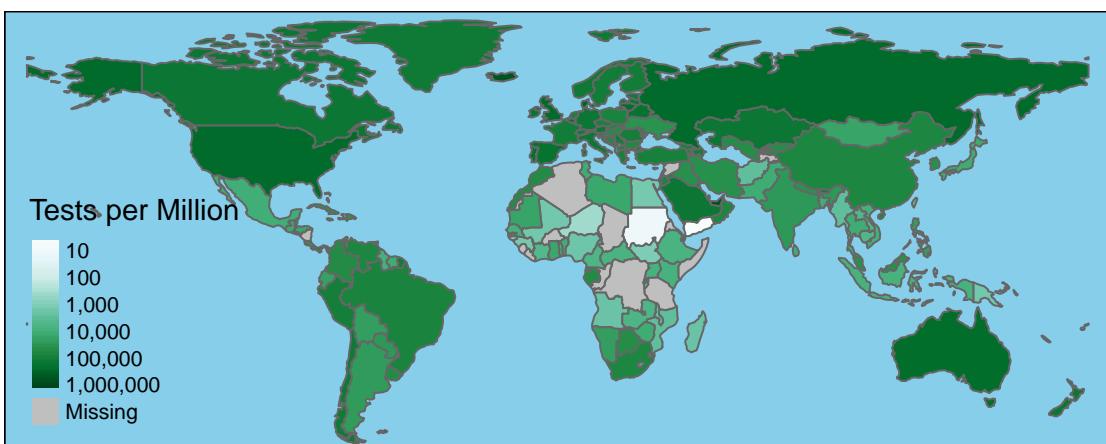
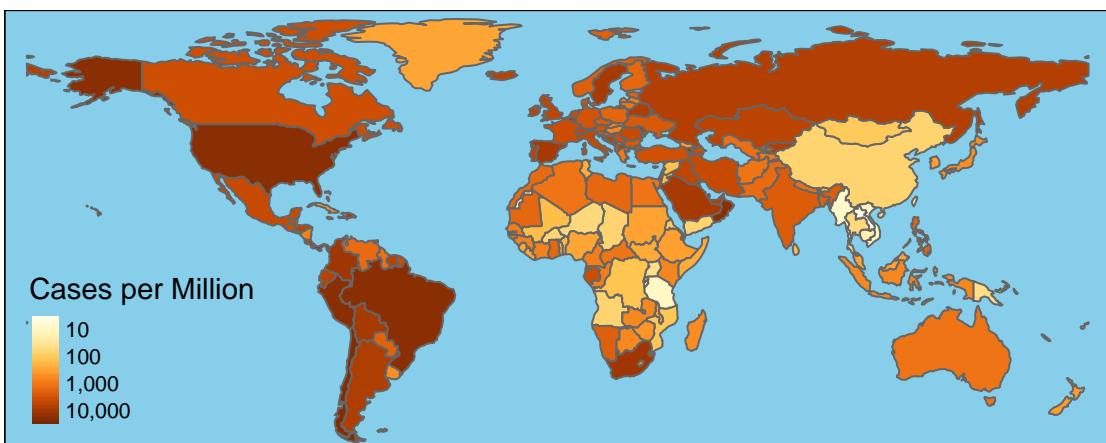
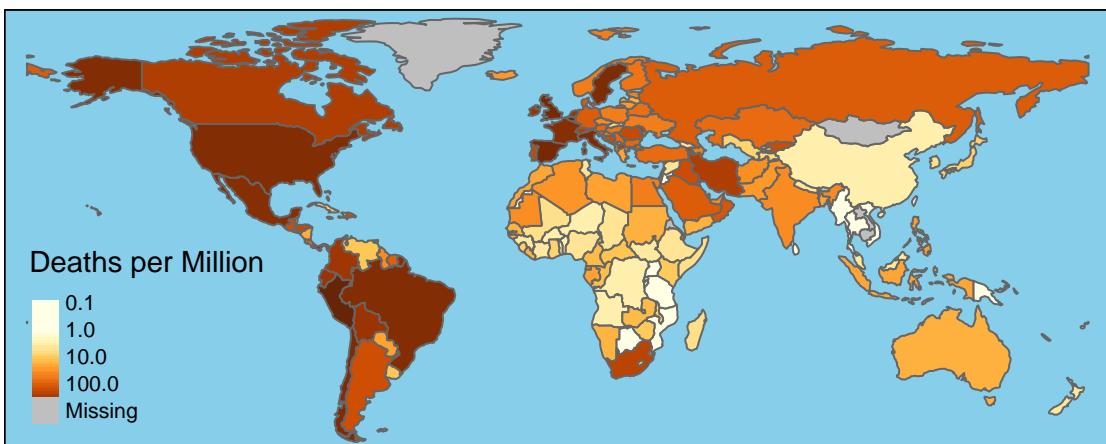


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	5,746,272	178,056	45,341	1,098
Brazil	3,505,097	112,423	44,684	1,234
India	2,904,329	54,975	68,507	981
Russia	942,106	16,099	4,785	110
South Africa	599,940	12,618	3,880	195
Peru	567,059	27,034	8,639	200
Mexico	537,031	58,481	5,792	707
Colombia	513,719	16,183	11,541	204
Spain	404,229	28,813	3,349	16
Chile	391,849	10,671	1,812	93
Iran	352,558	20,264	2,279	139
UK	322,280	41,403	1,182	6
Argentina	320,884	6,517	8,225	187
Saudi Arabia	303,973	3,548	1,287	42
Pakistan	290,958	6,209	513	8
Bangladesh	287,959	3,822	2,868	41
Italy	256,118	35,418	840	6
Turkey	254,520	6,058	1,412	19
Germany	231,284	9,324	1,584	10
France	229,814	30,480	4,771	12



## National Data

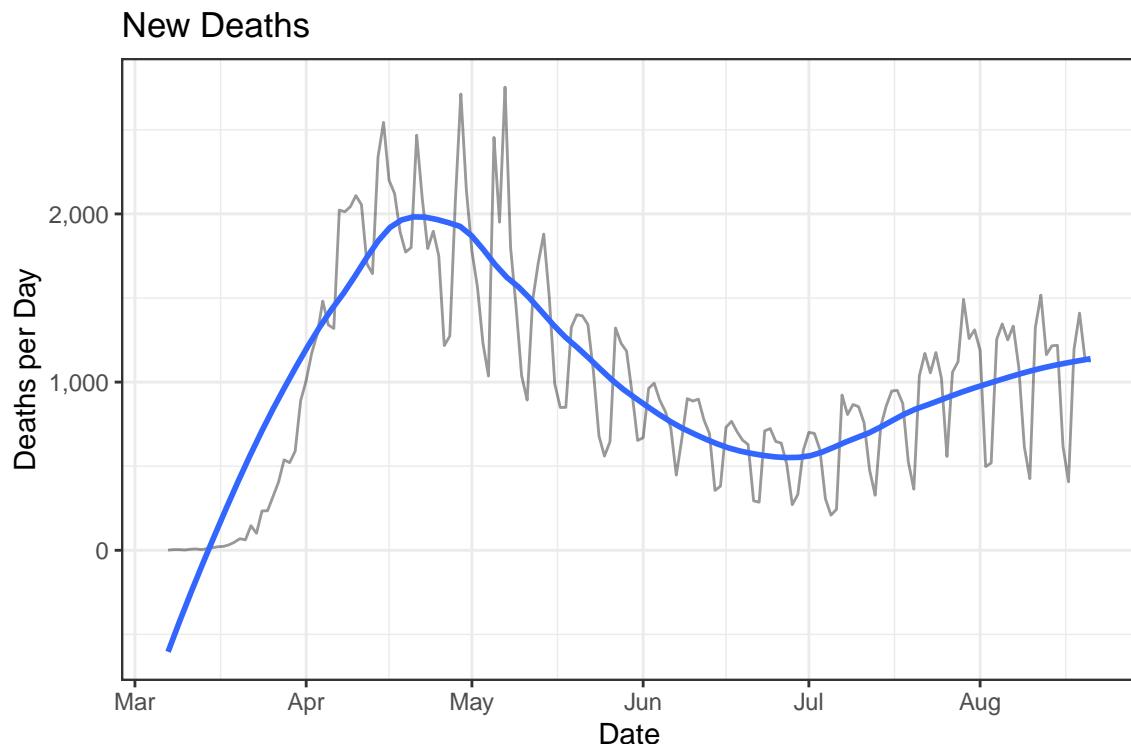
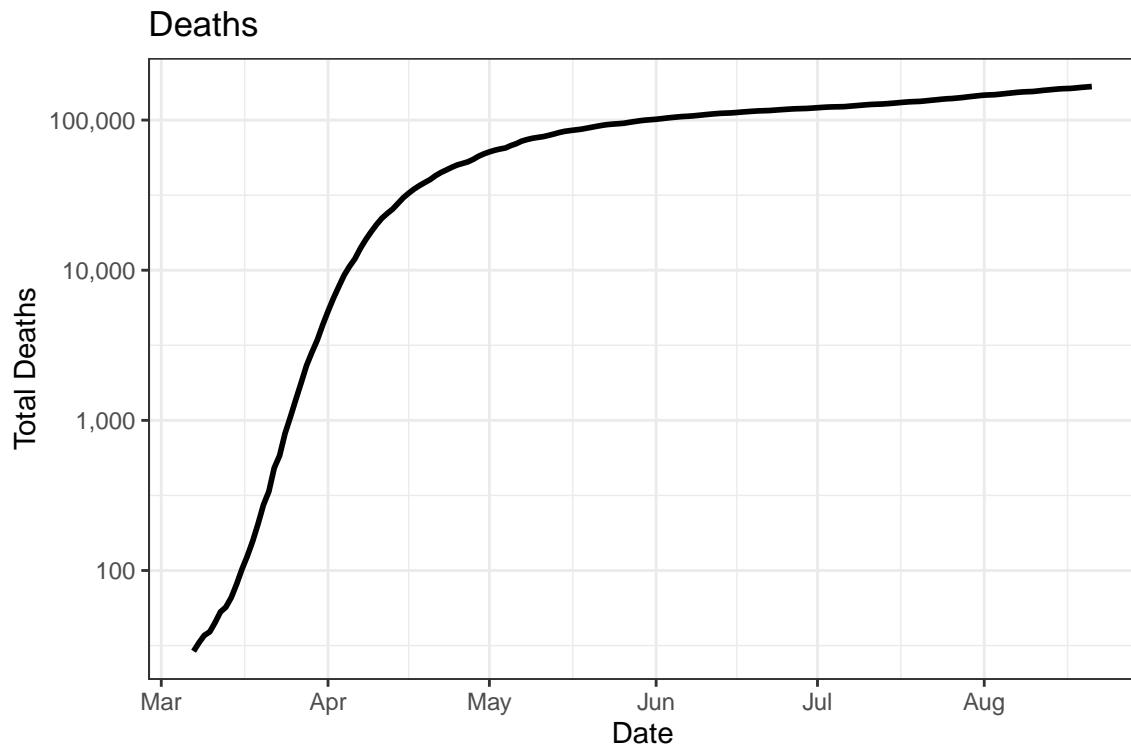
There have been 5,593,318 confirmed Covid-19 cases and 167,262 deaths in the United States.

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

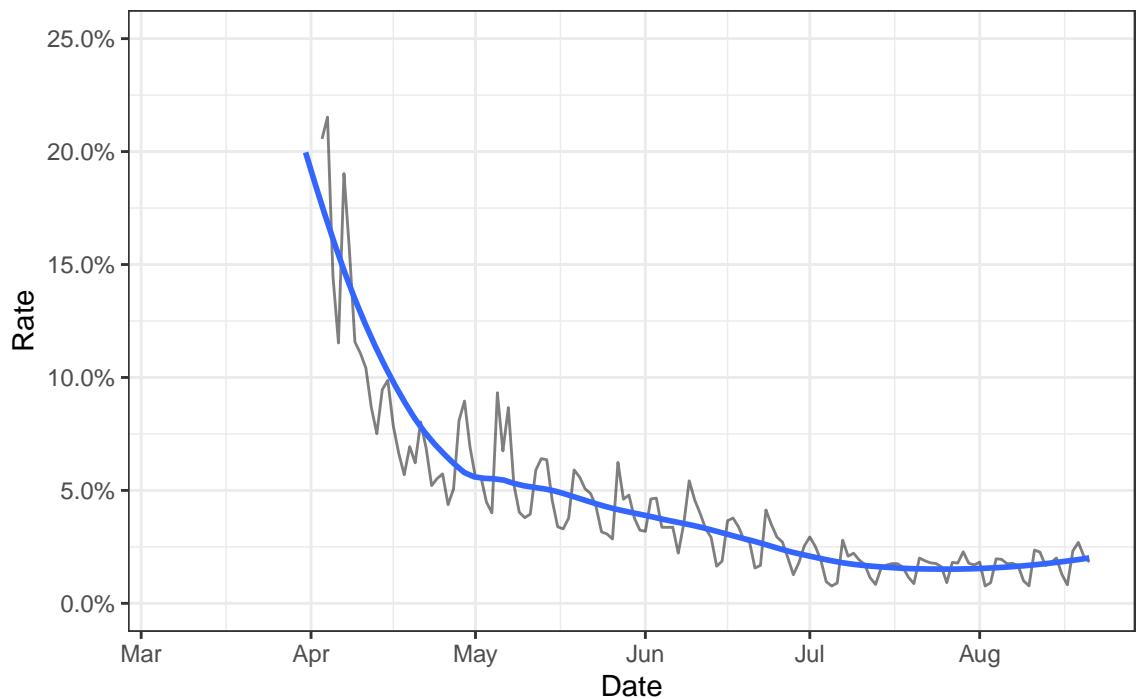
Date	Cases	Deaths	New Cases	New Deaths
2020-08-21	5,593,318	167,262	46,821	1,123
2020-08-20	5,546,497	166,139	43,740	1,134
2020-08-19	5,502,757	165,005	44,933	1,410
2020-08-18	5,457,824	163,595	40,458	1,195
2020-08-17	5,417,366	162,400	37,817	407
2020-08-16	5,379,549	161,993	43,083	619
2020-08-15	5,336,466	161,374	56,603	1,219
2020-08-14	5,279,863	160,155	55,649	1,216
2020-08-13	5,224,214	158,939	51,705	1,163
2020-08-12	5,172,509	157,776	56,035	1,517
2020-08-11	5,116,474	156,259	55,594	1,326
2020-08-10	5,060,880	154,933	41,835	426
2020-08-09	5,019,045	154,507	51,365	616
2020-08-08	4,967,680	153,891	54,017	1,089

## Deaths

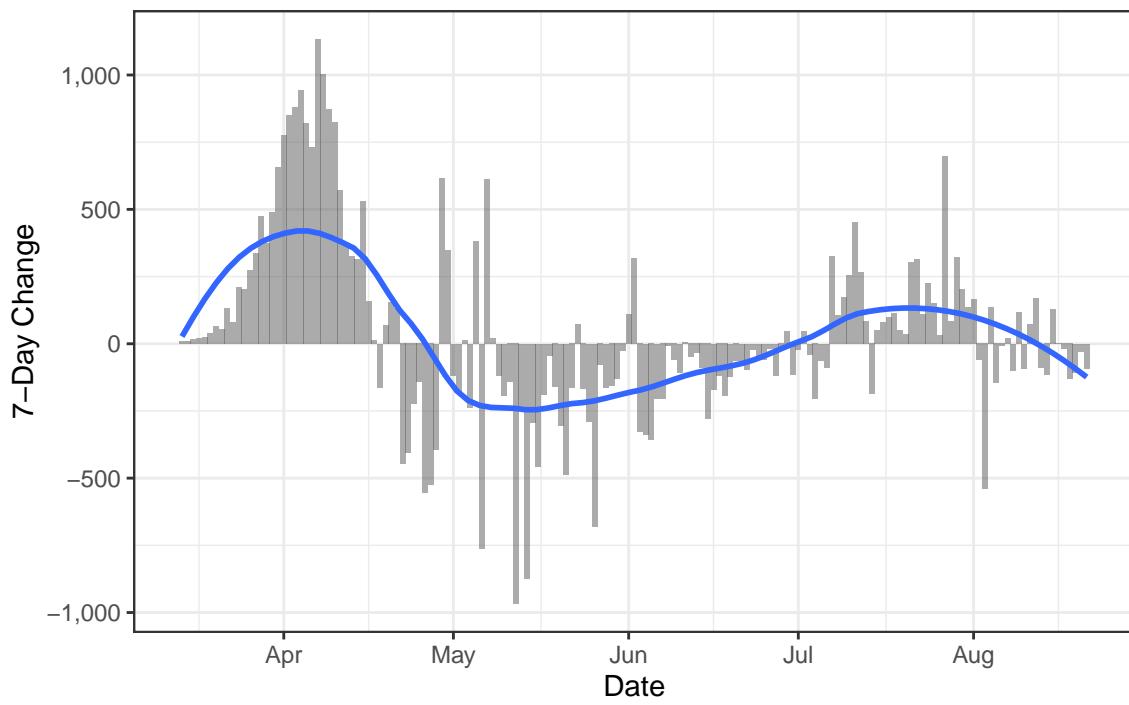
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

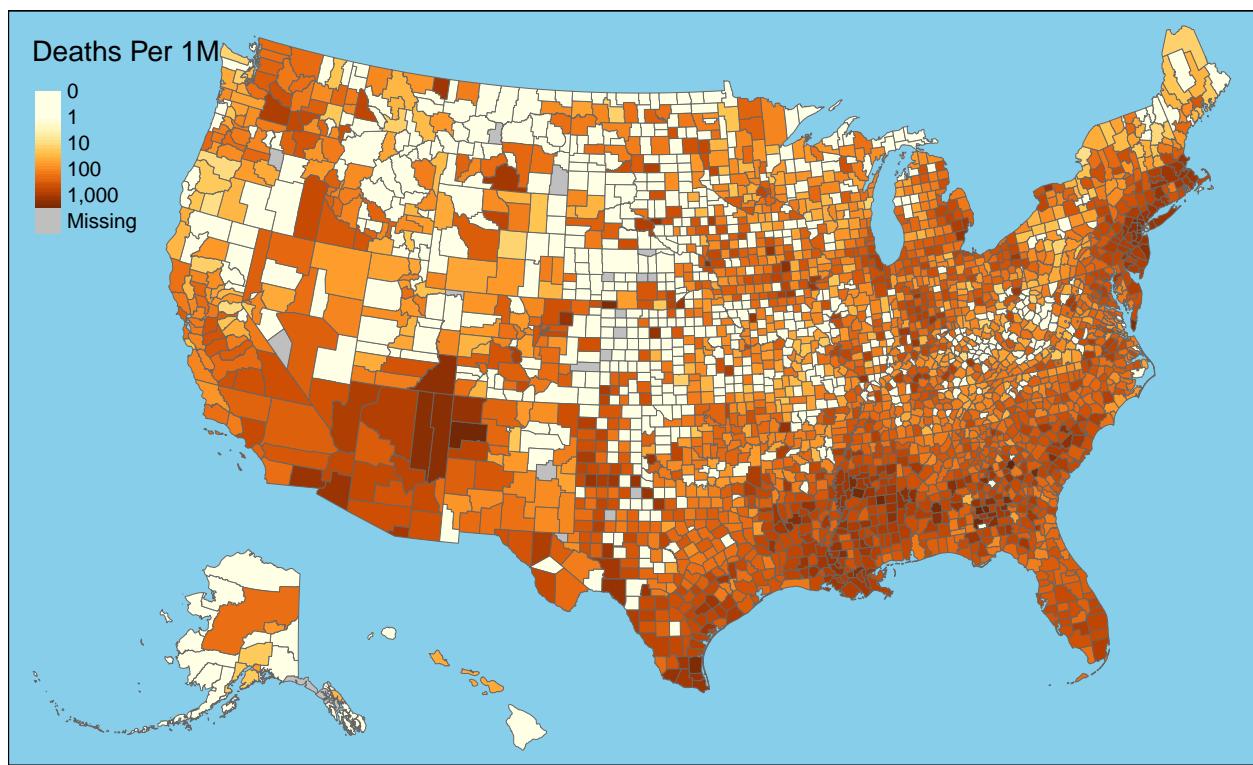


### Daily Case Mortality Rate



### One-Week Change in Daily Deaths

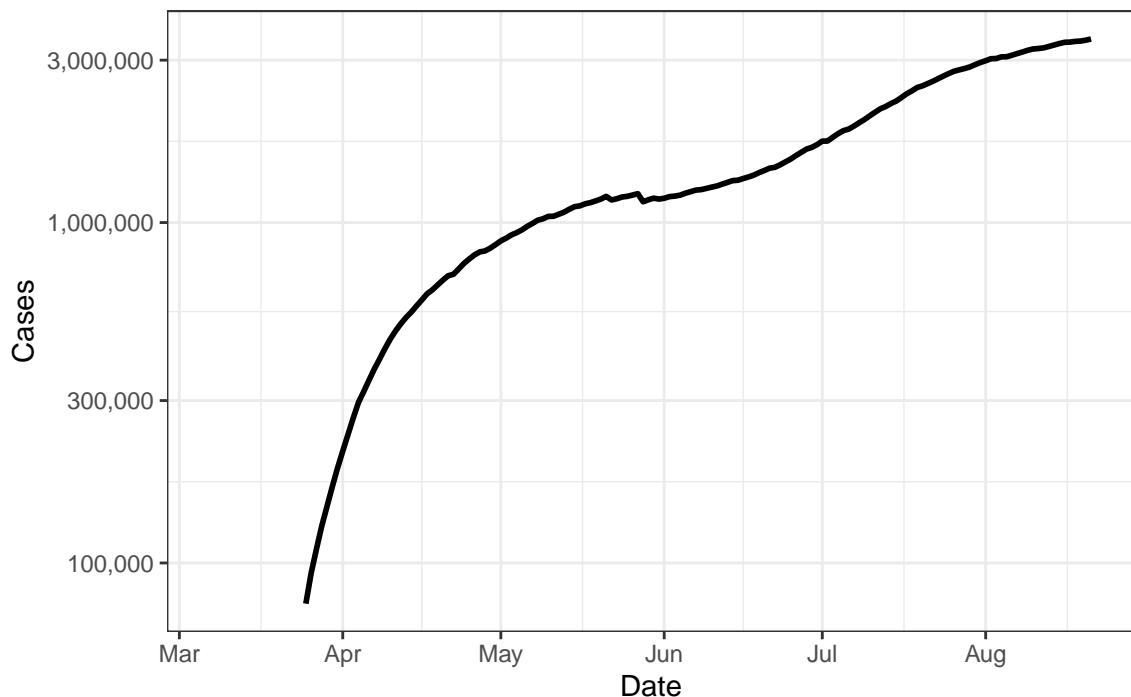




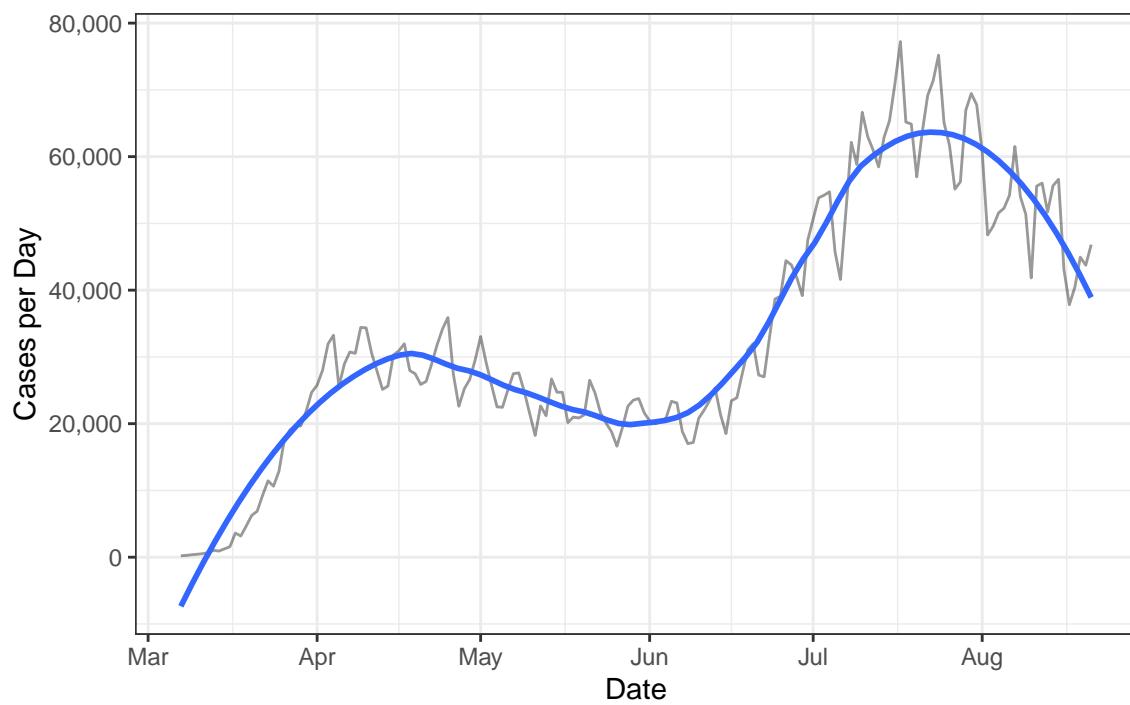
## Cases

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

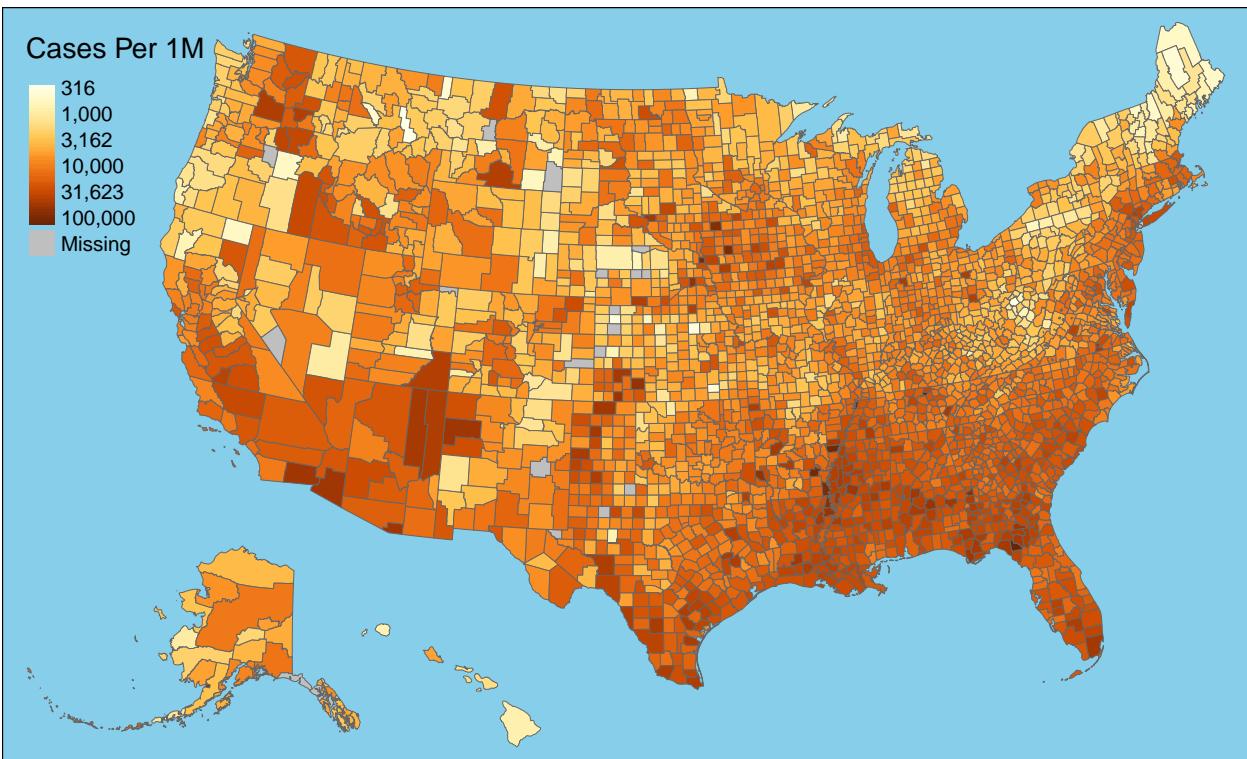
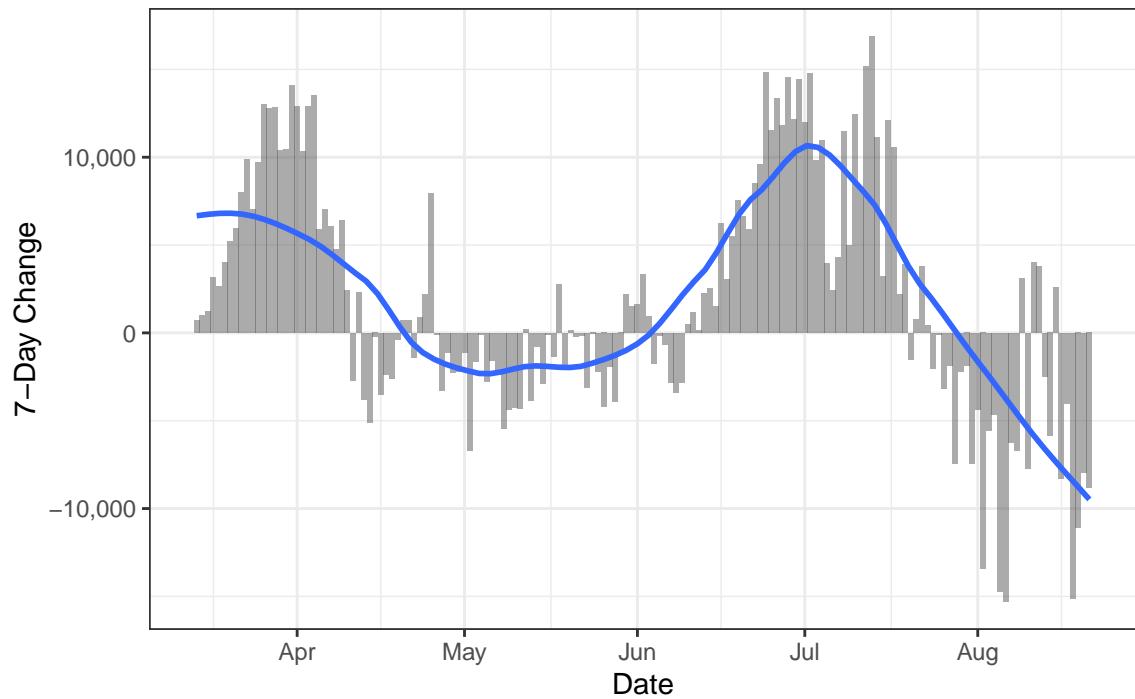
### Active Cases



### New Cases

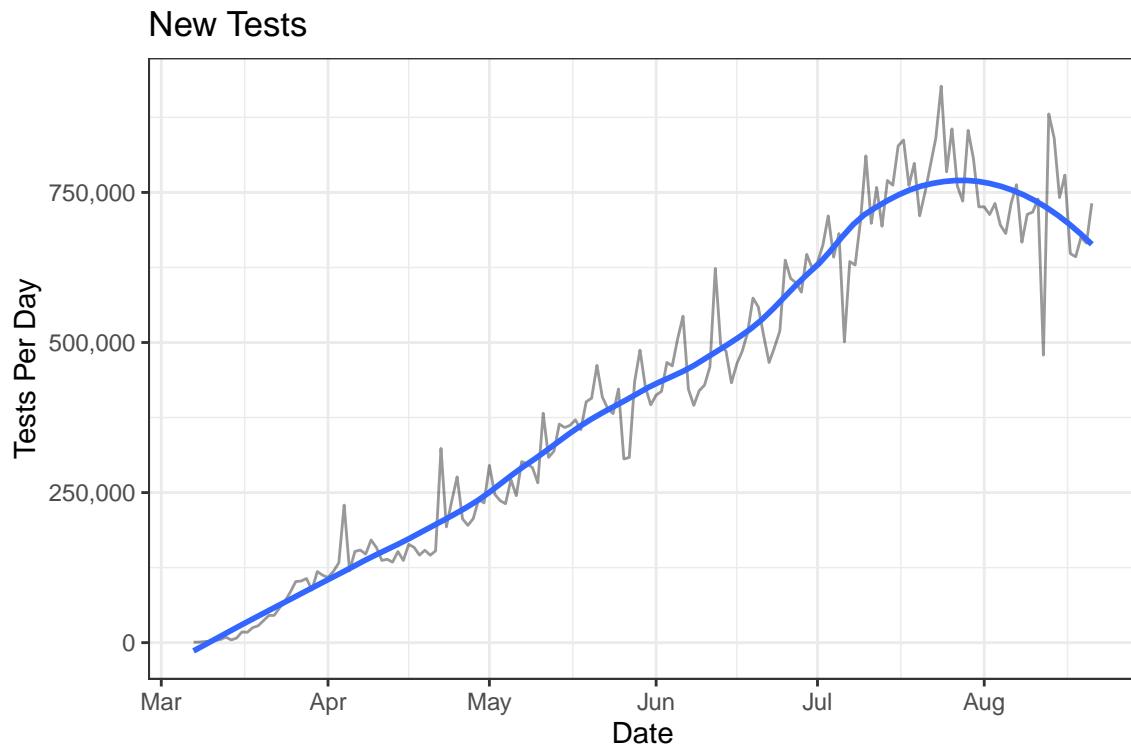
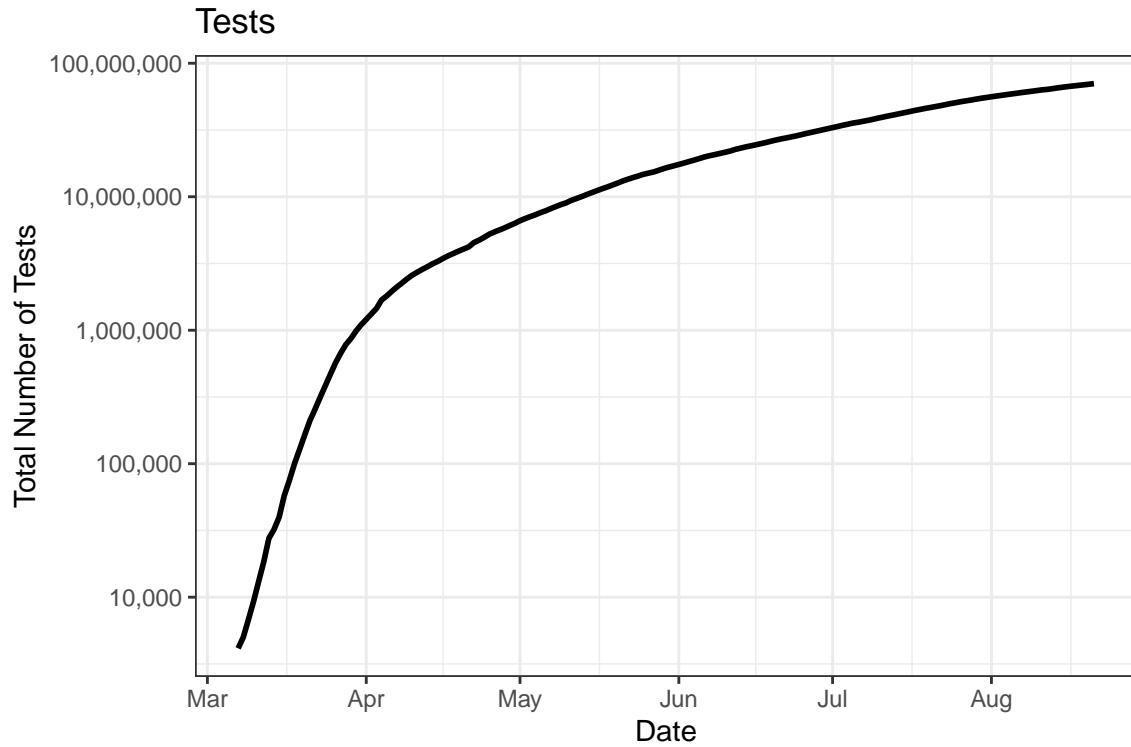


## One-Week Change in Daily Cases

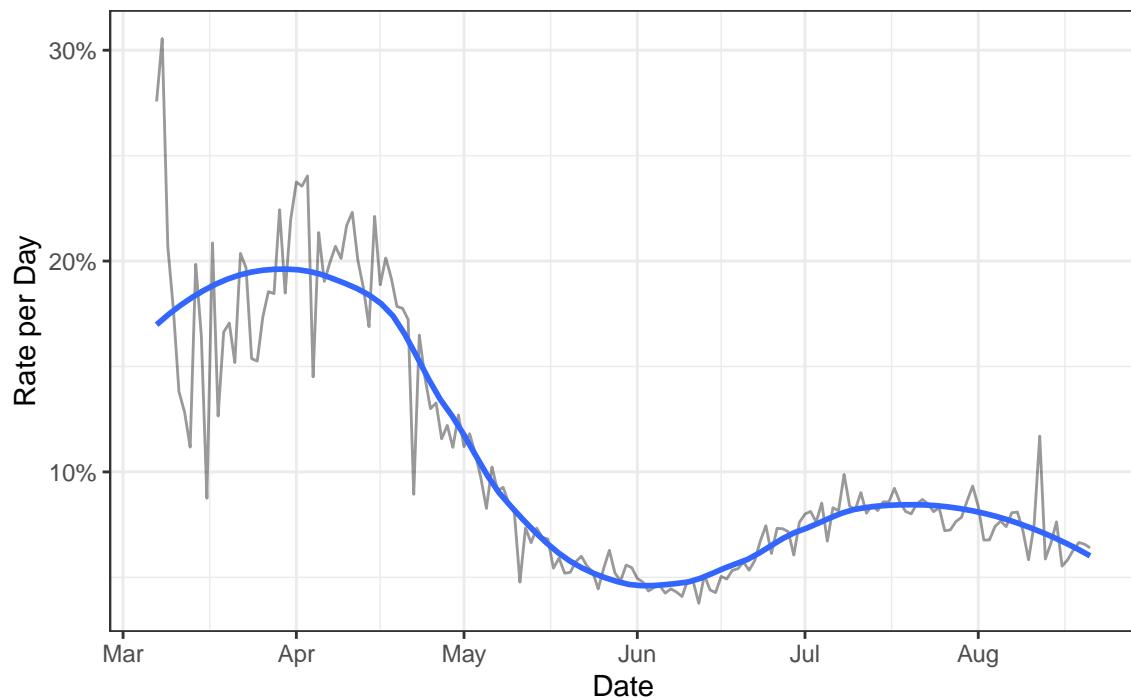


## Testing

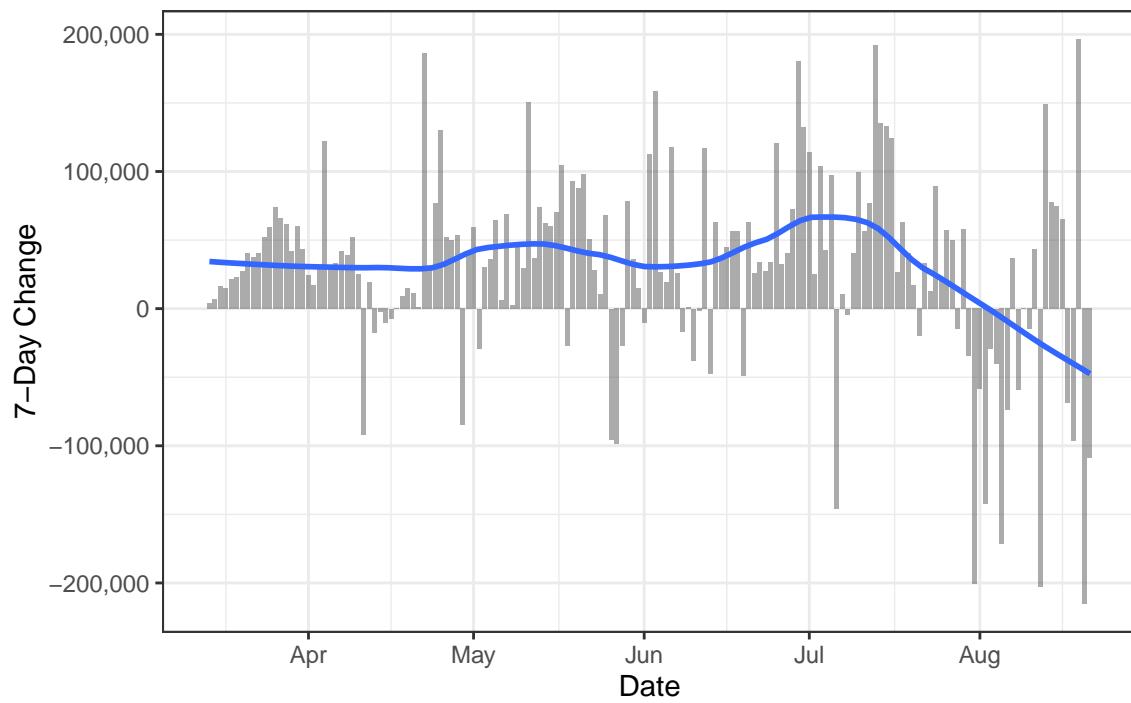
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

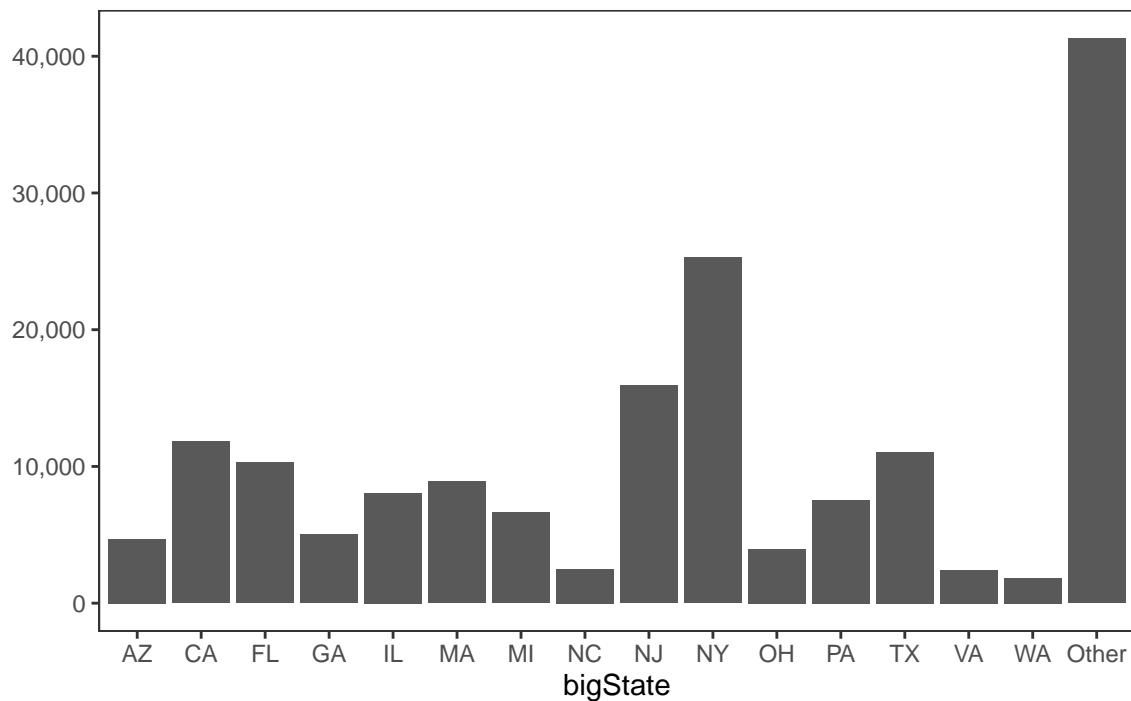


## State Data

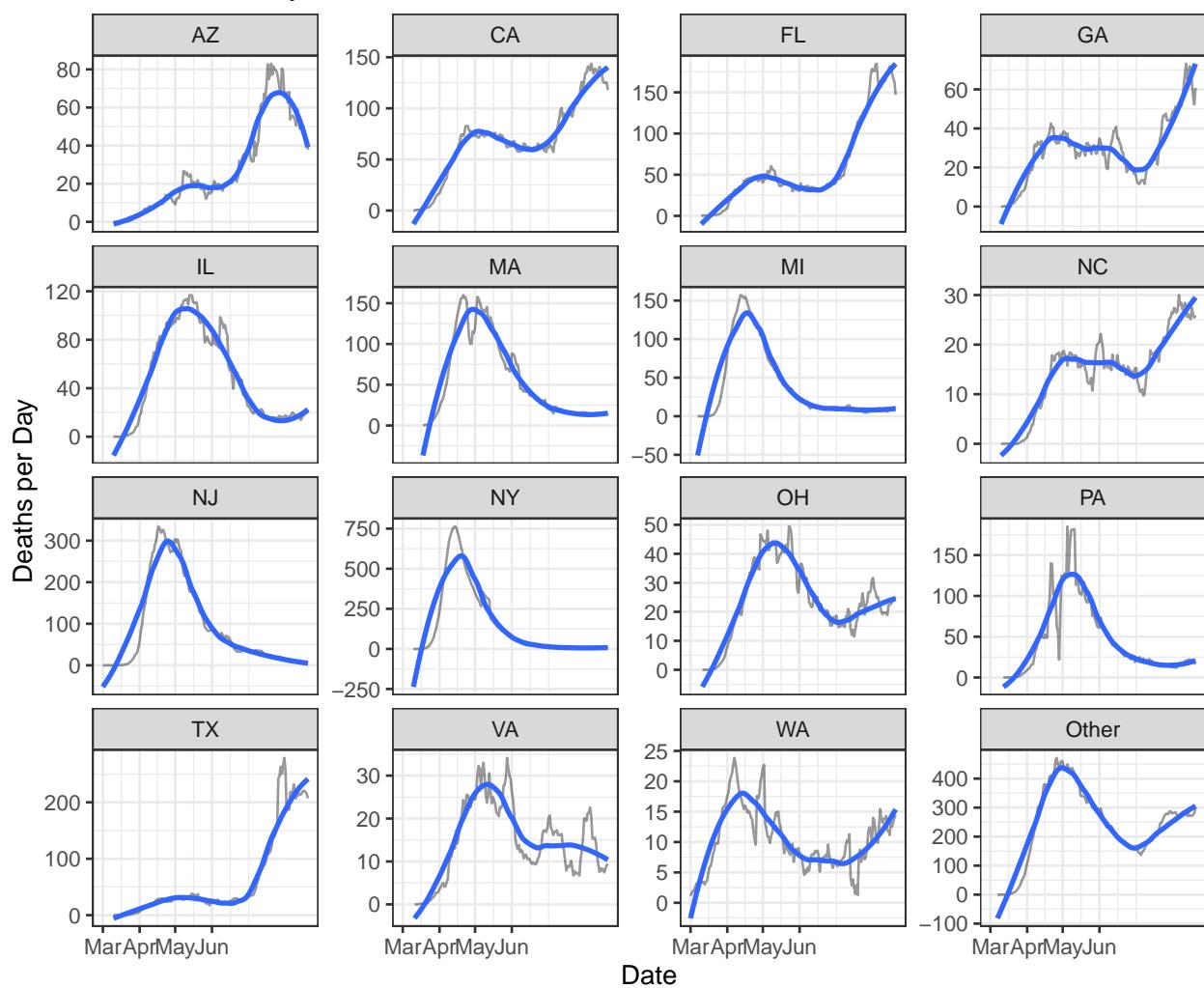
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

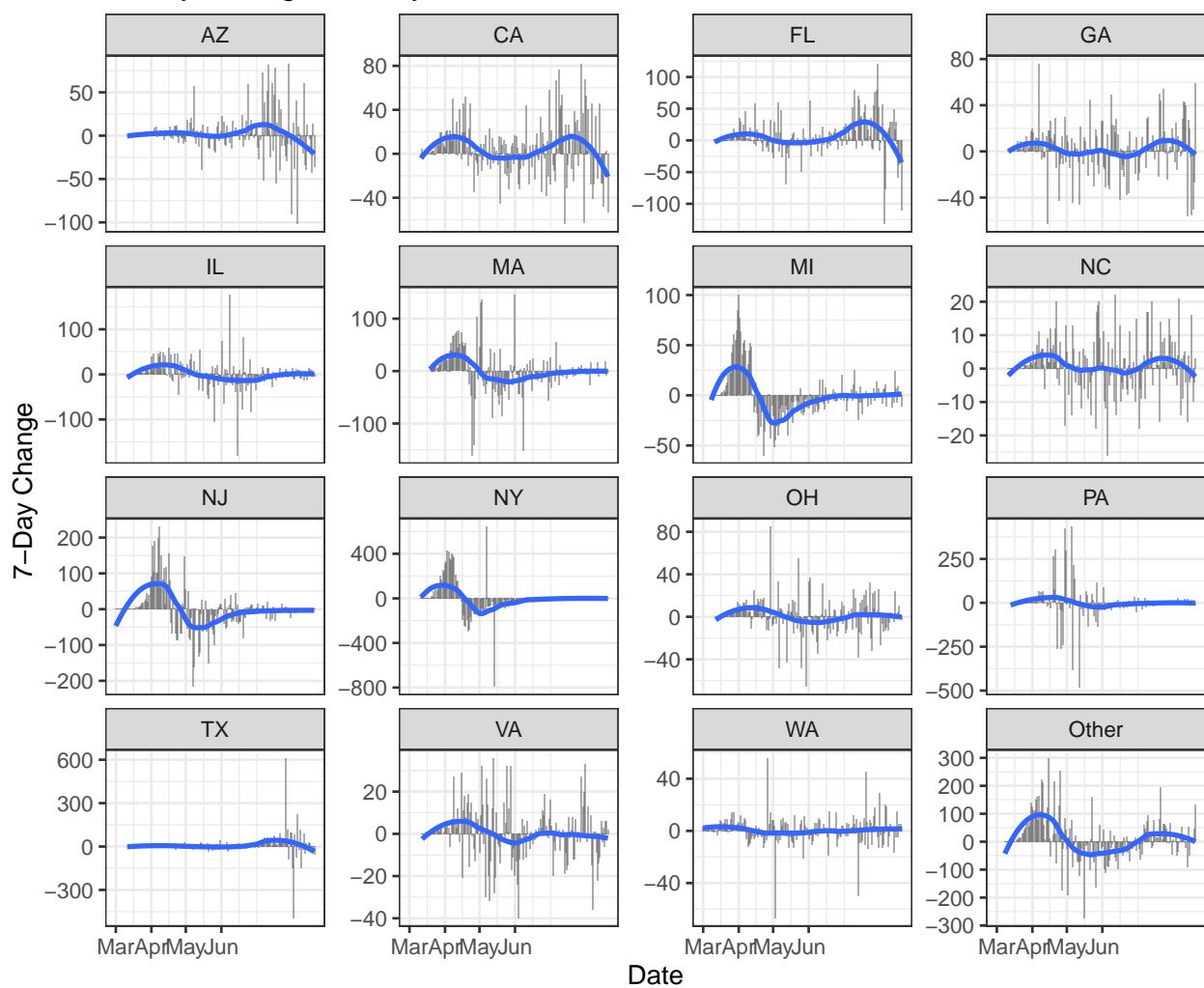
Deaths by State

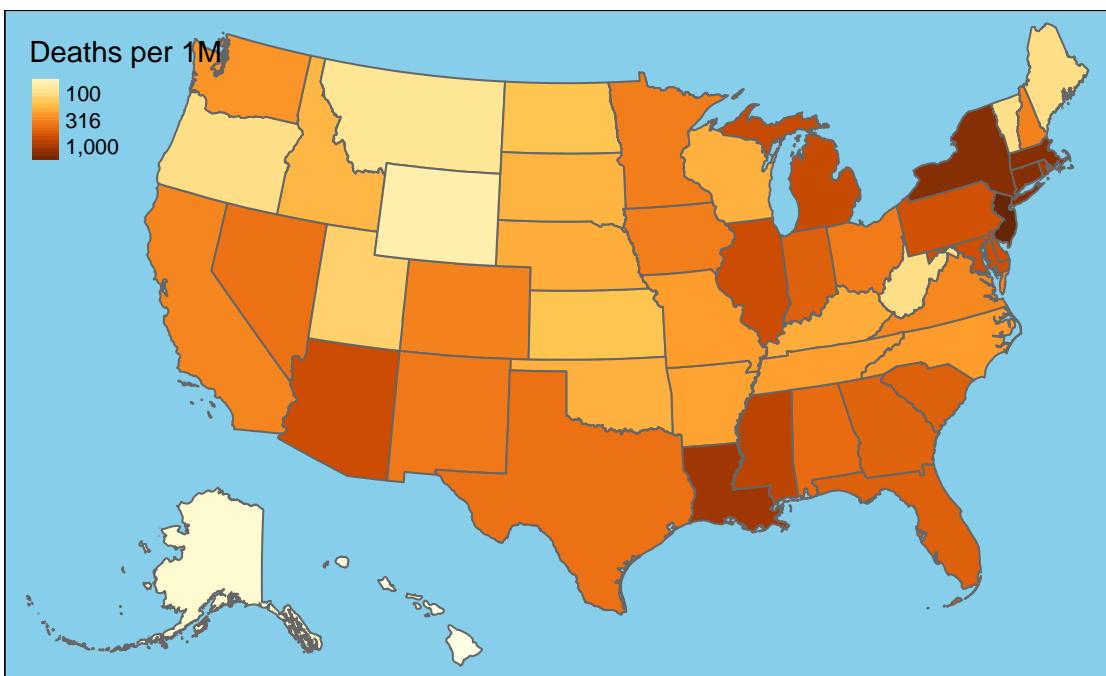
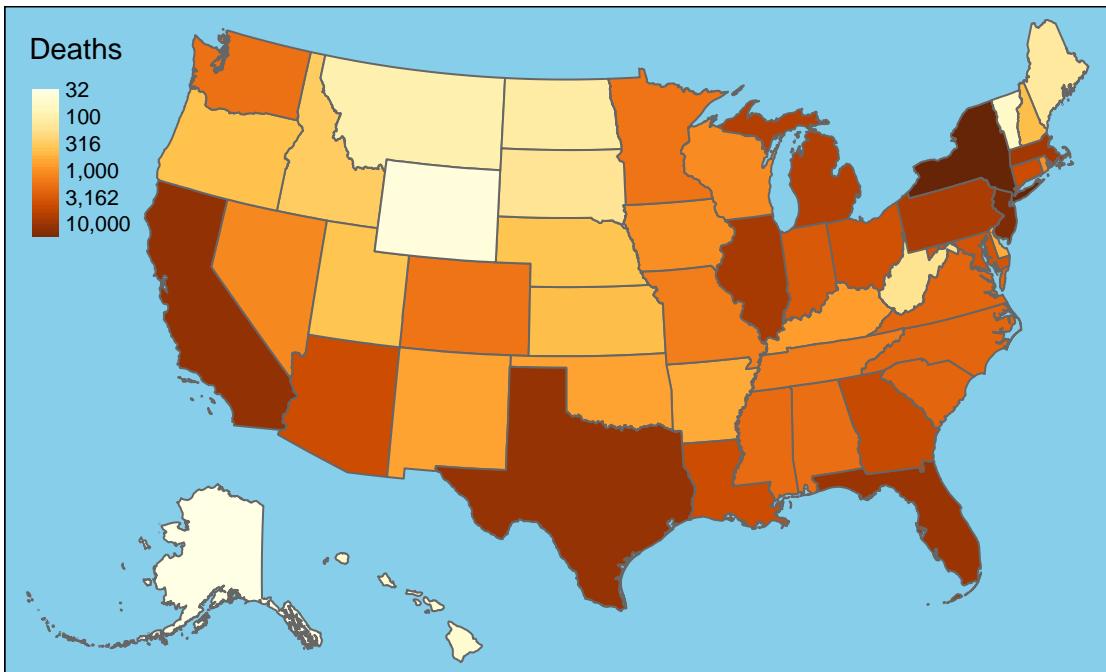


## New Deaths by State



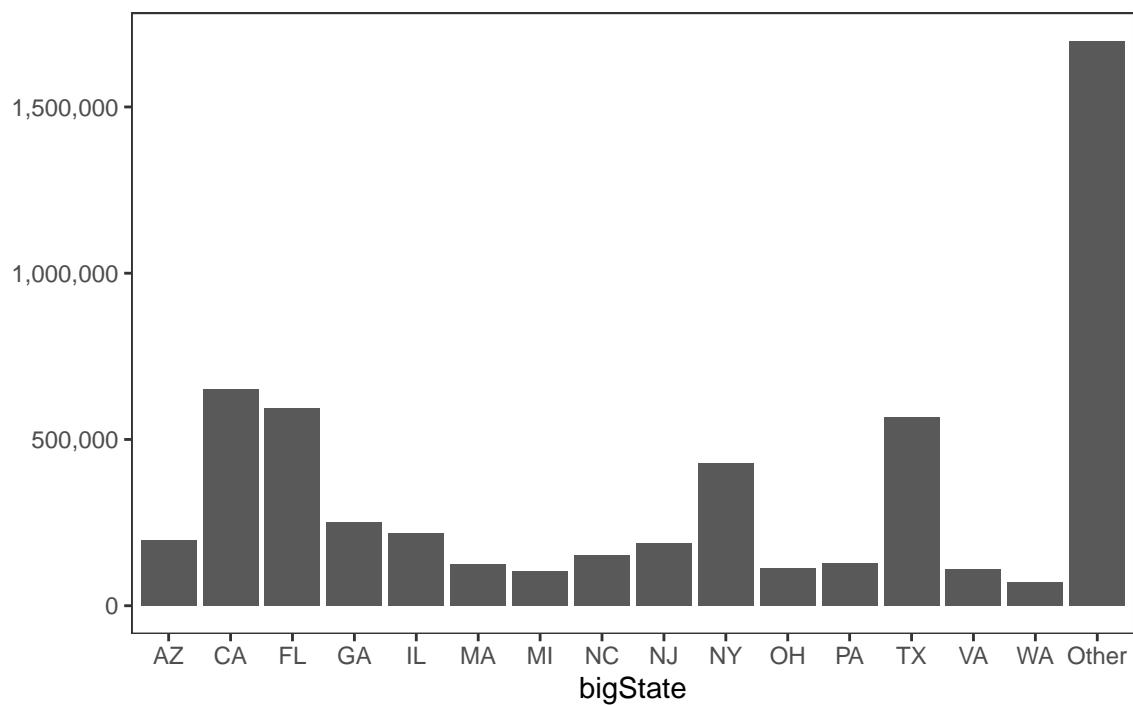
### 7-Day Change in Daily Deaths



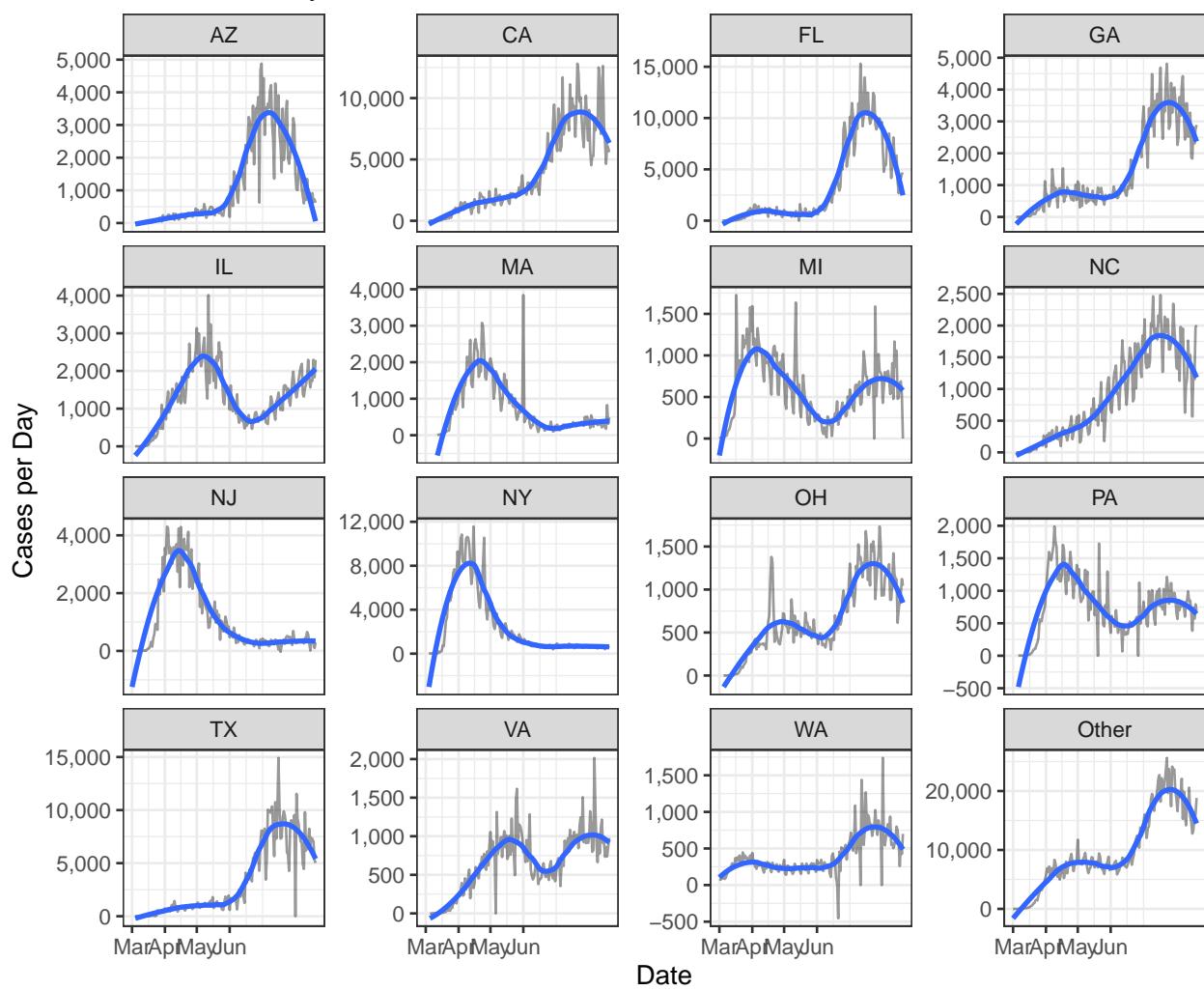


Cases

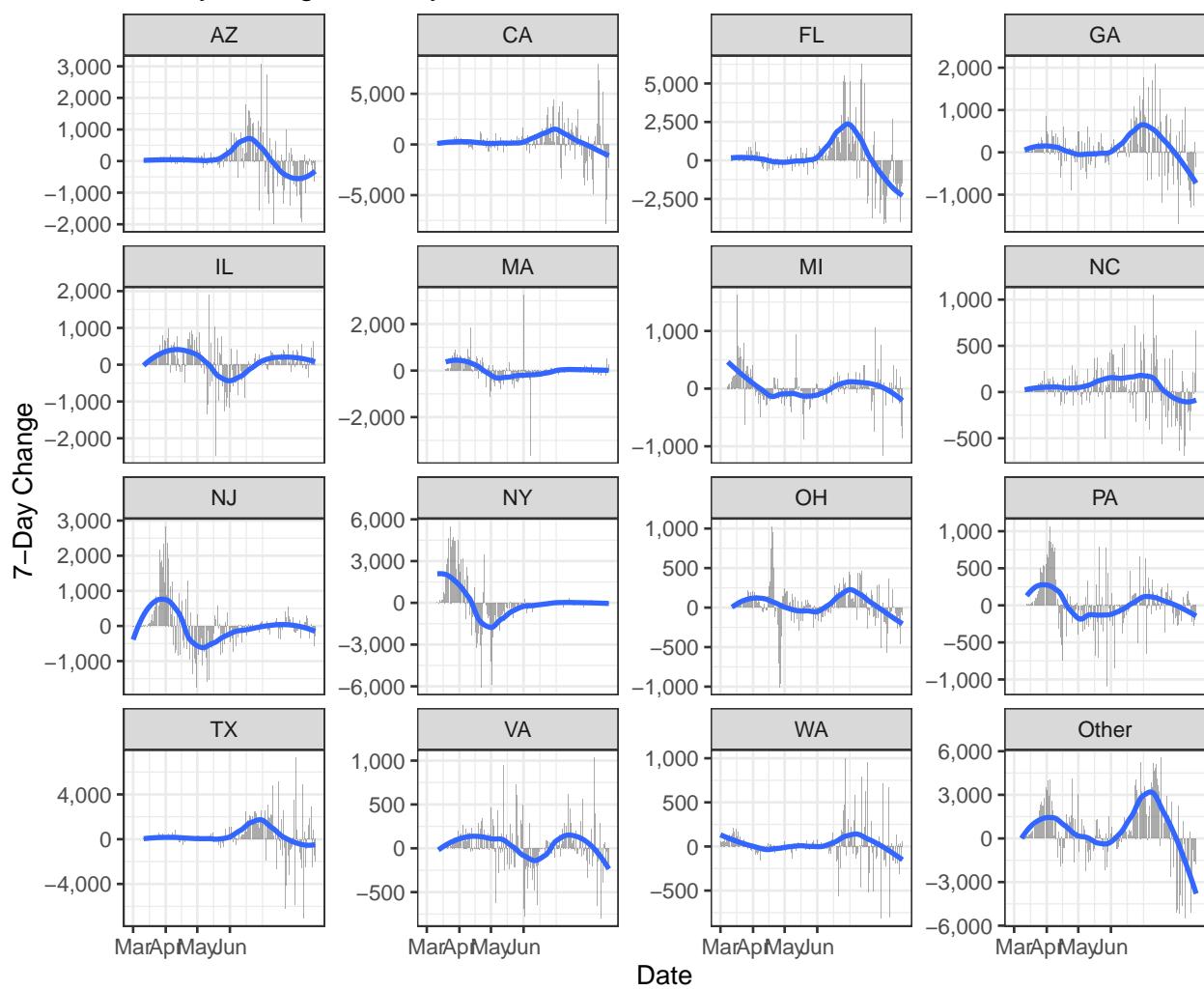
Cases by State

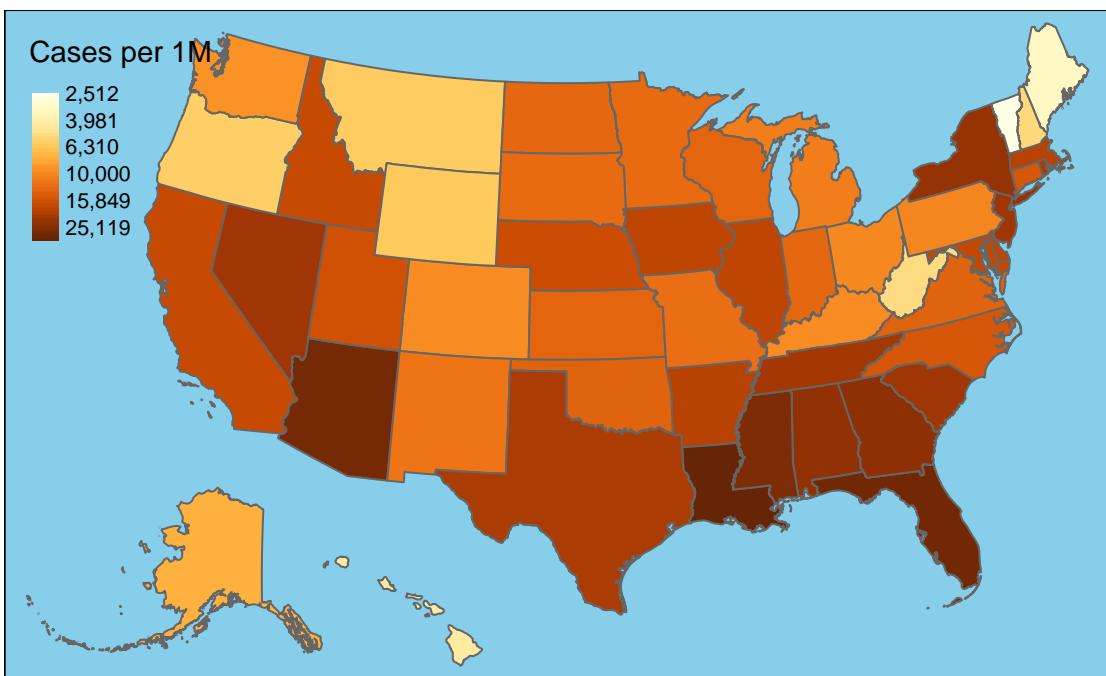
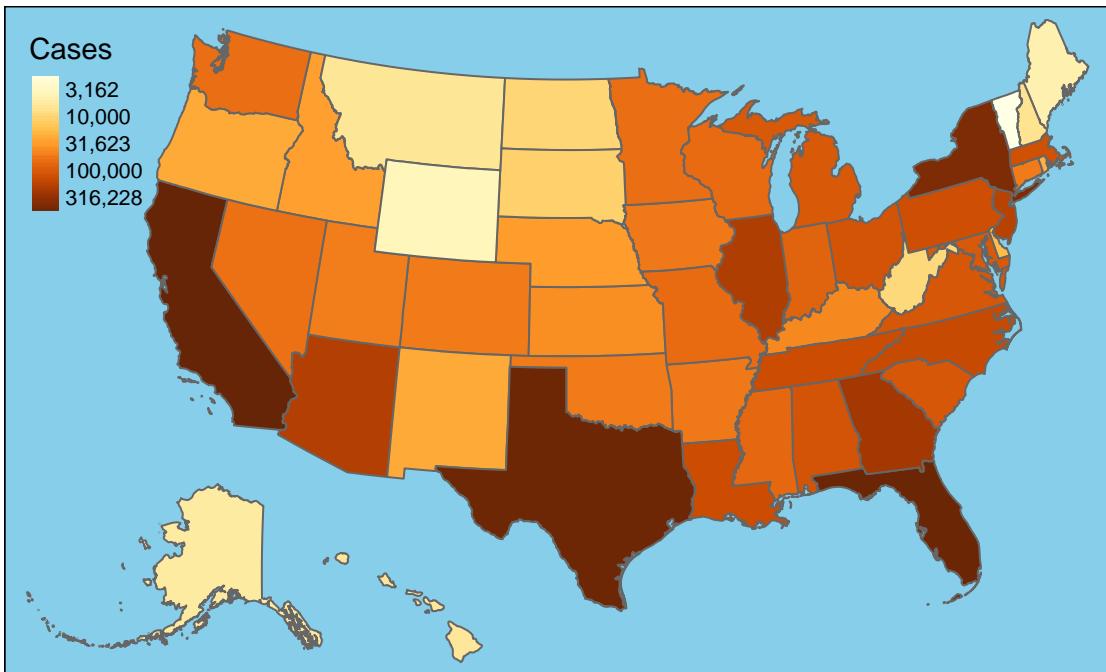


## New Cases by State

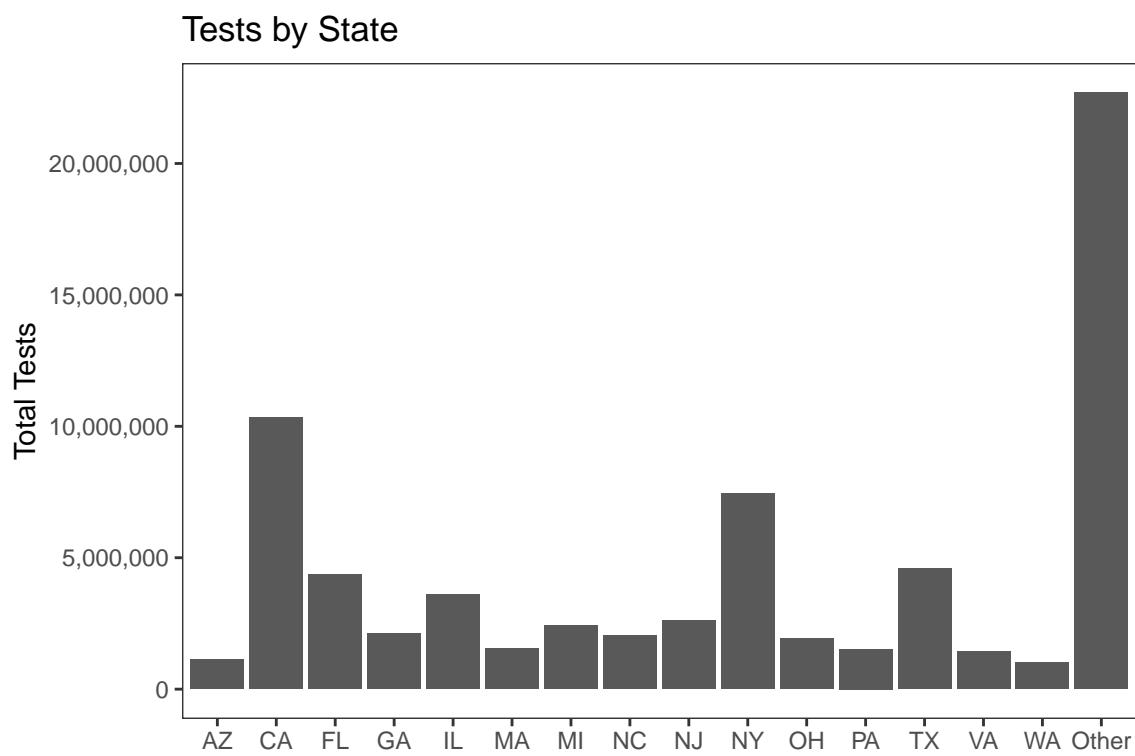


### 7-Day Change in Daily Cases

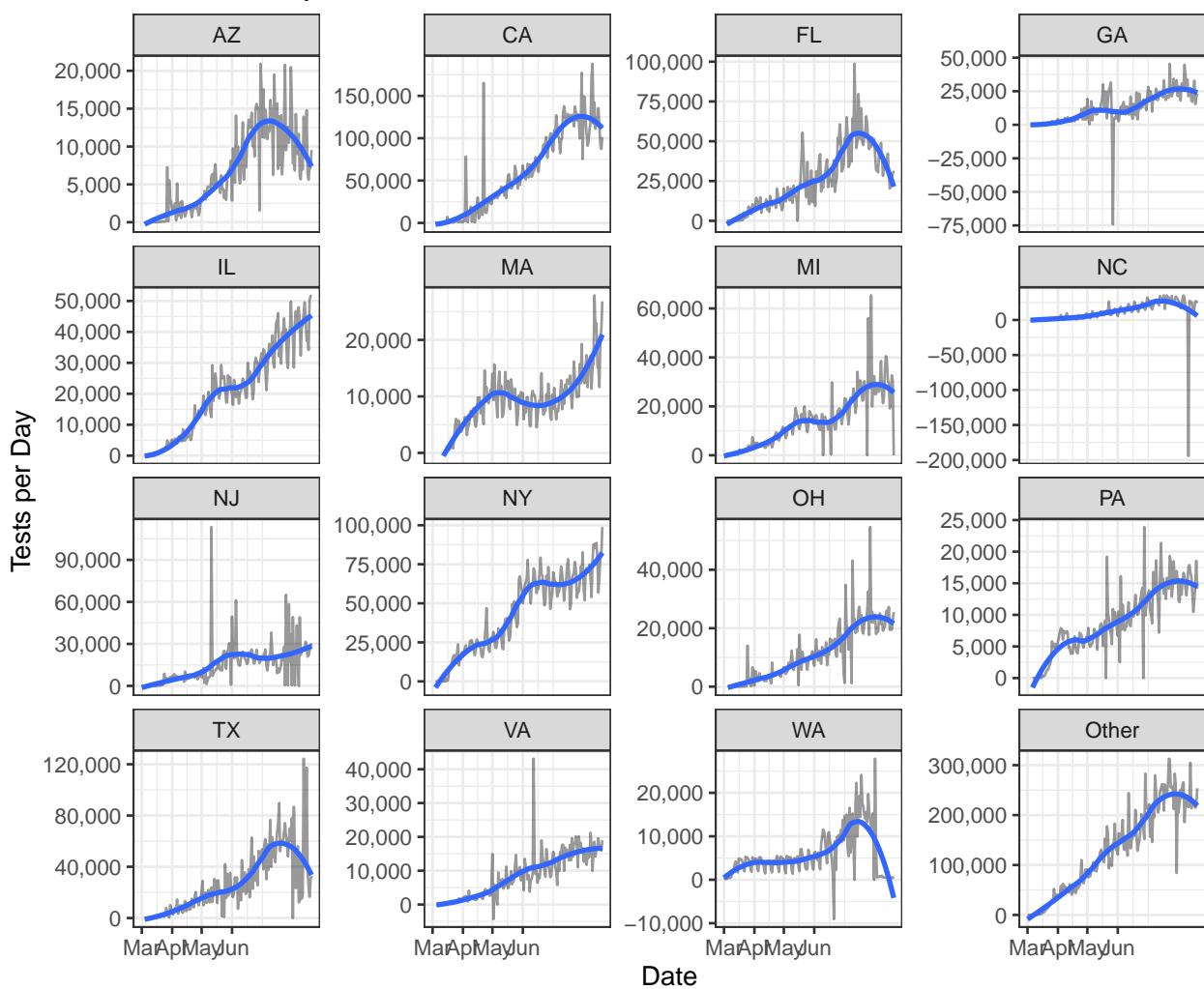


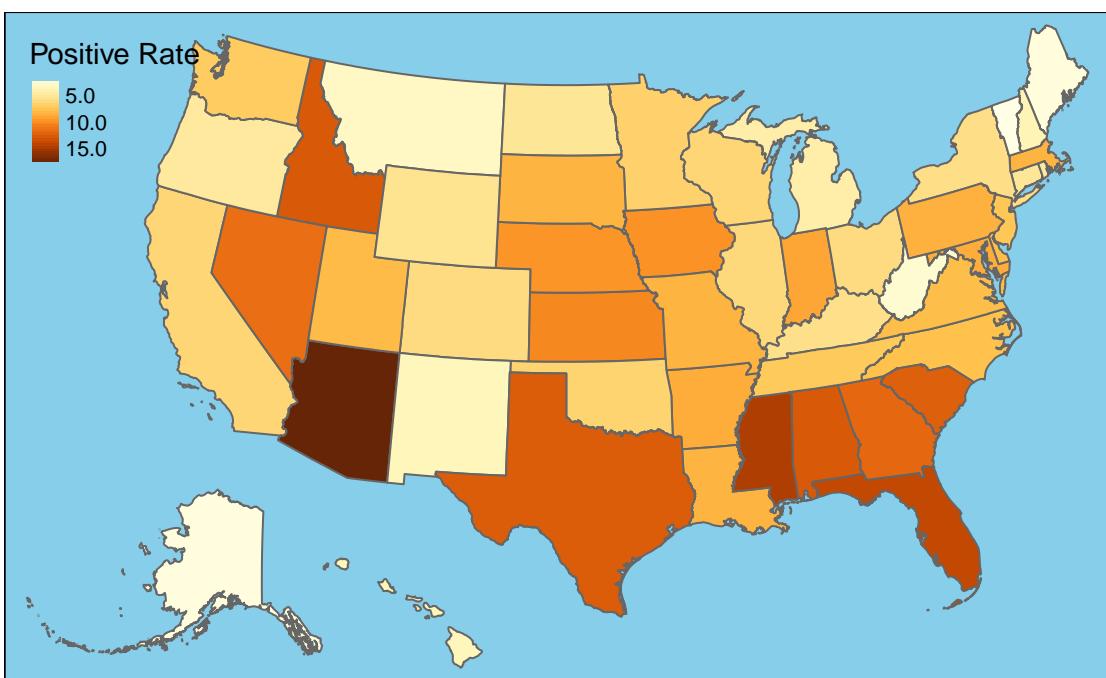
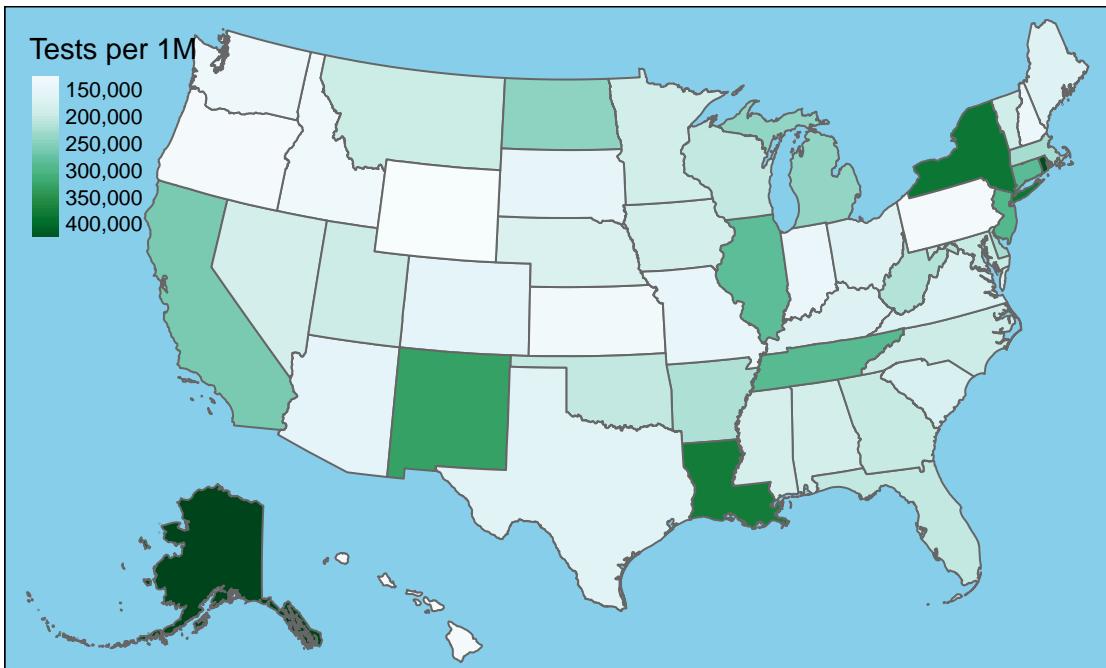


## Testing



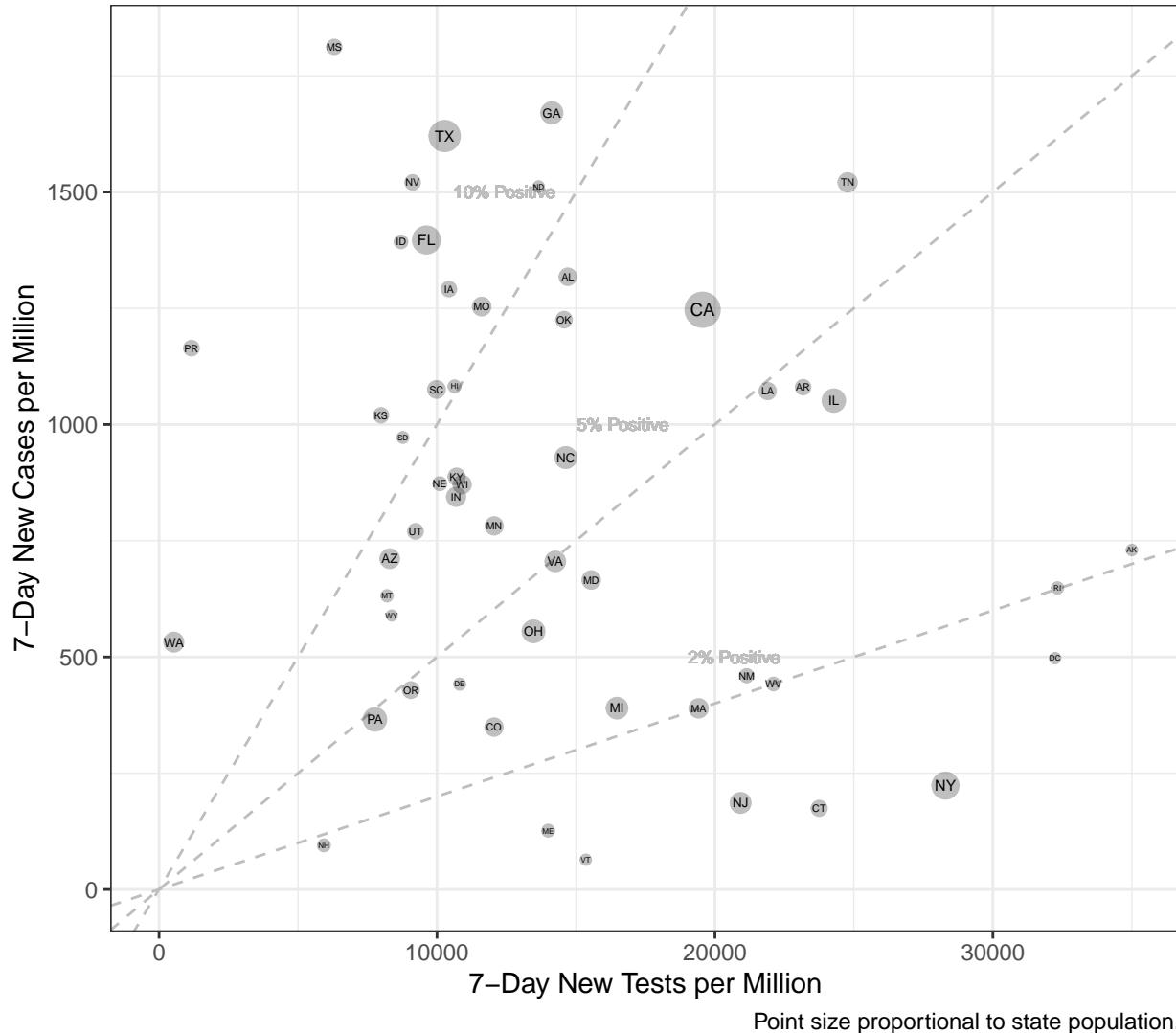
## New Tests by State





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



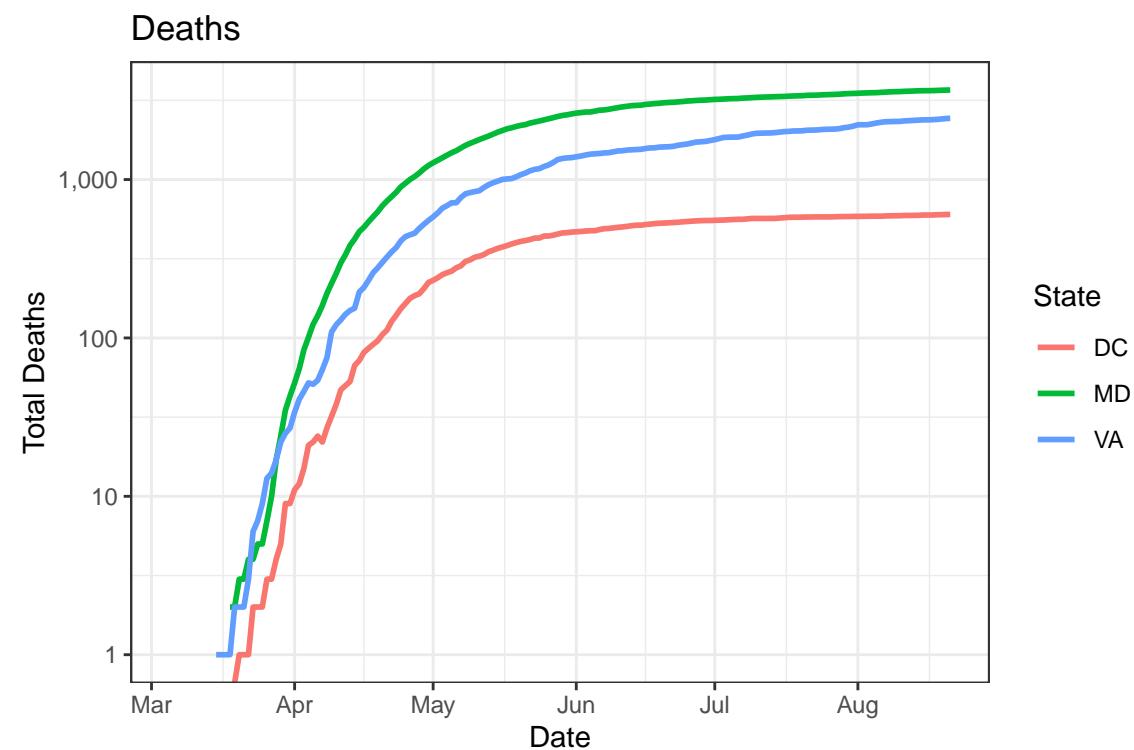
## Local Data

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

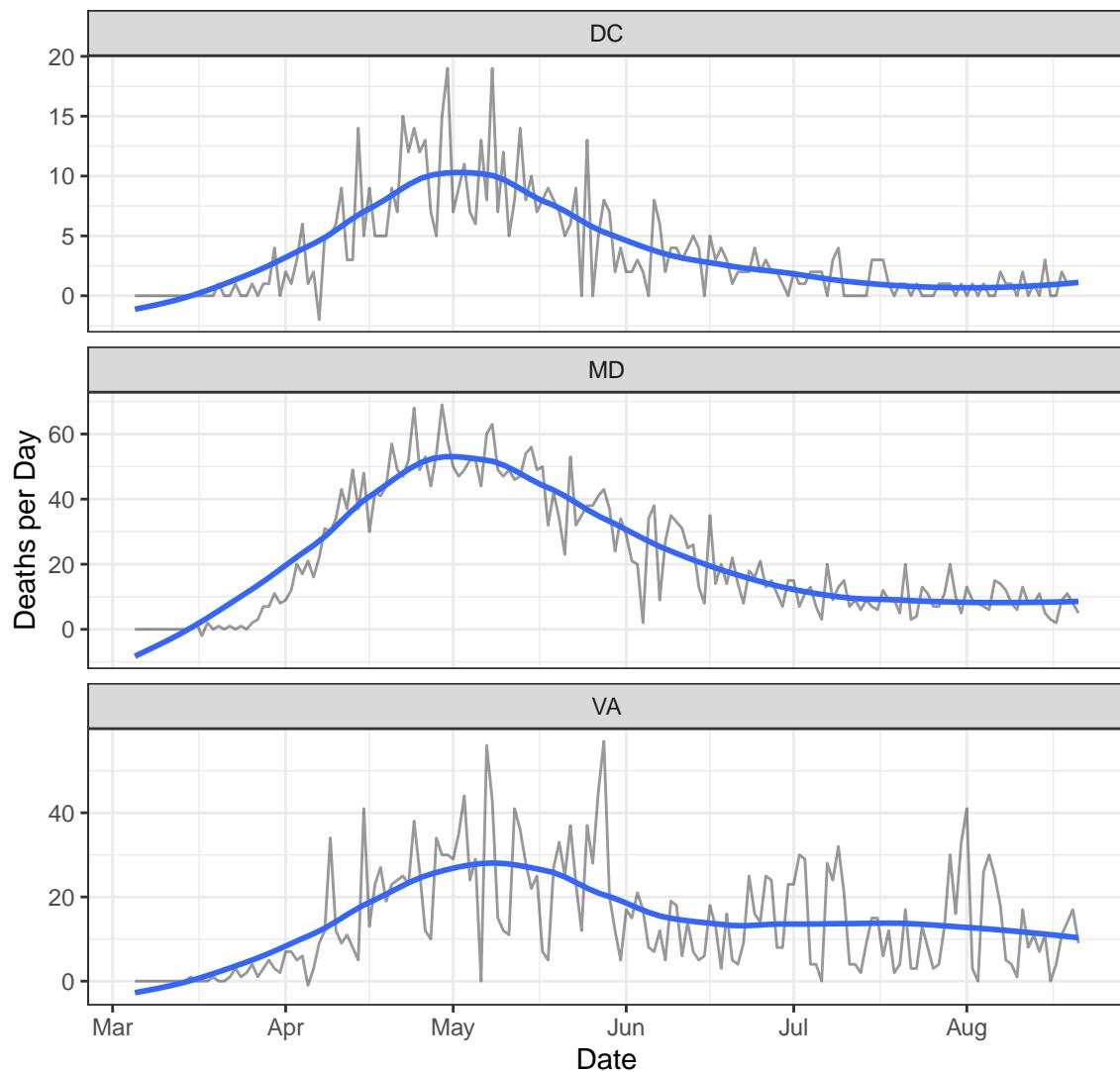
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	13,469	602	60	1
MD	102,899	3,674	670	5
VA	110,860	2,436	978	9

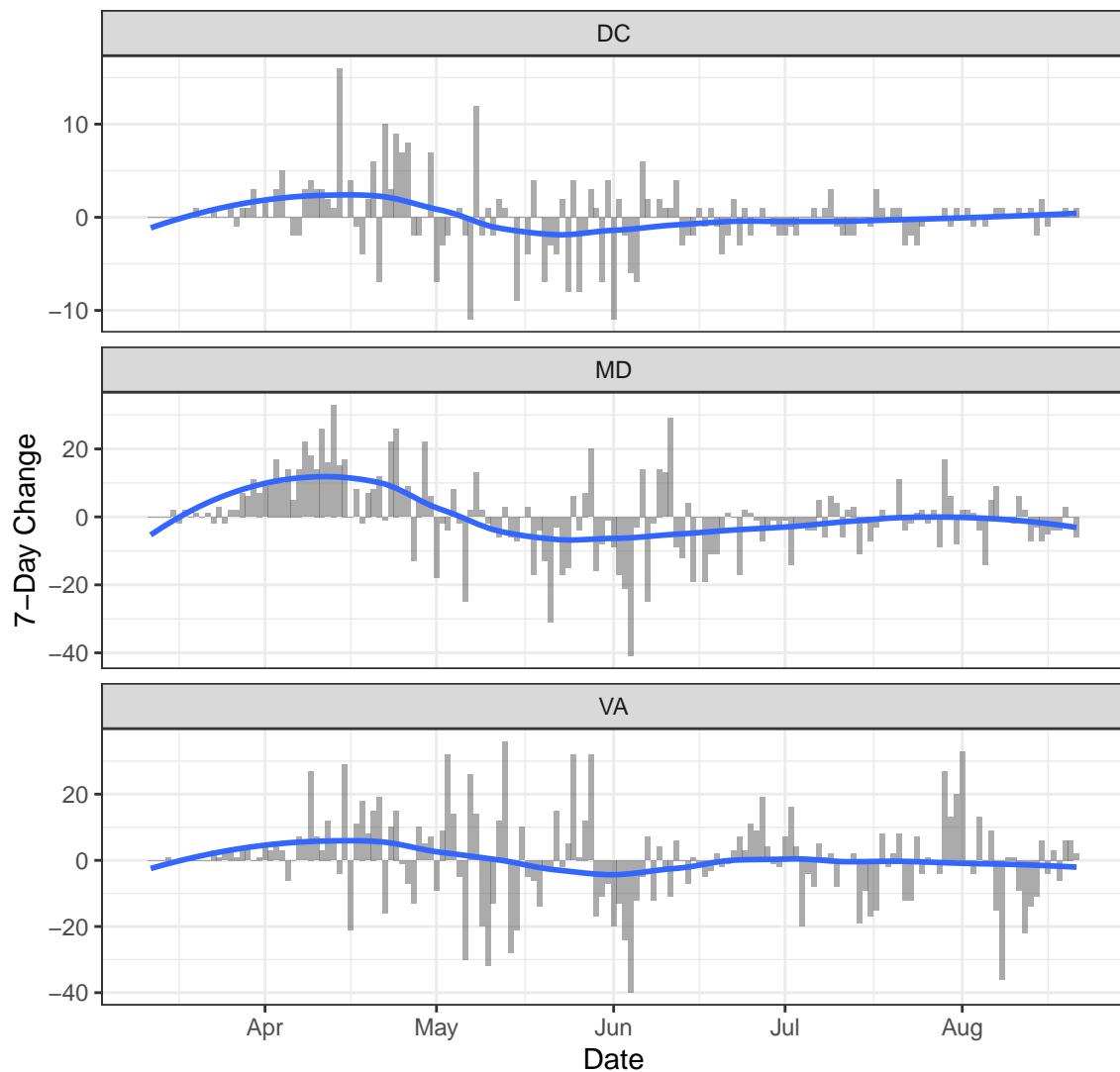
## Deaths

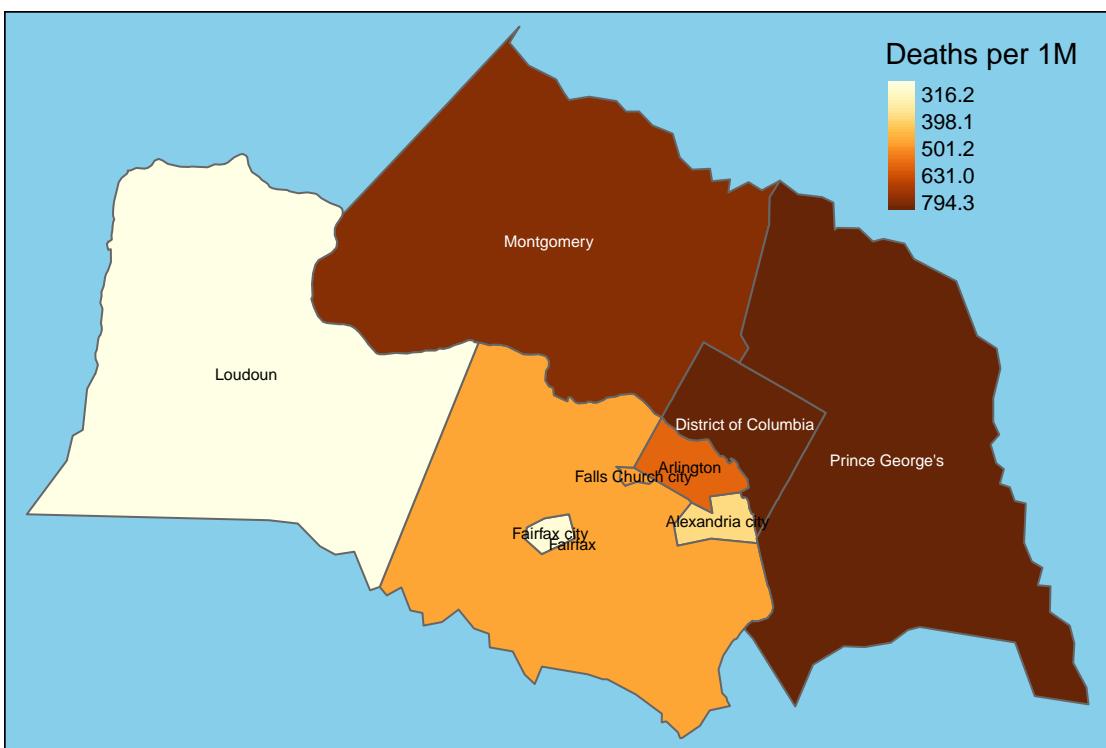
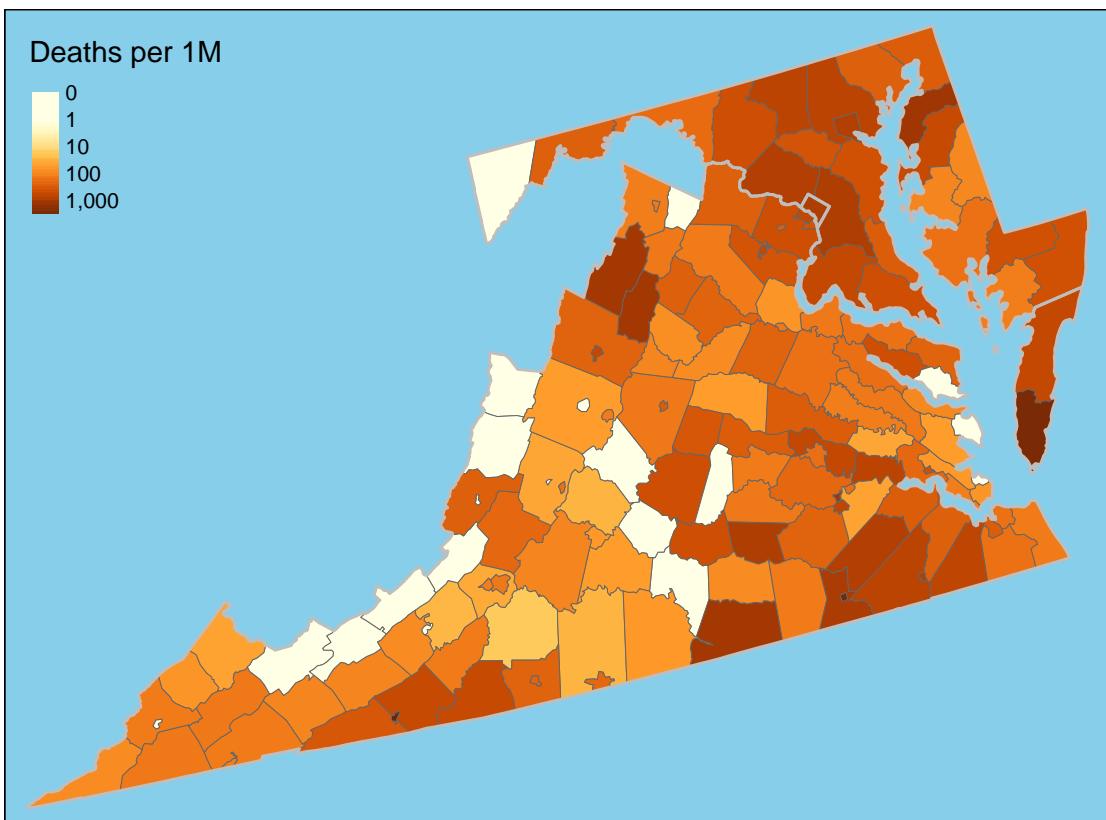


## New Deaths

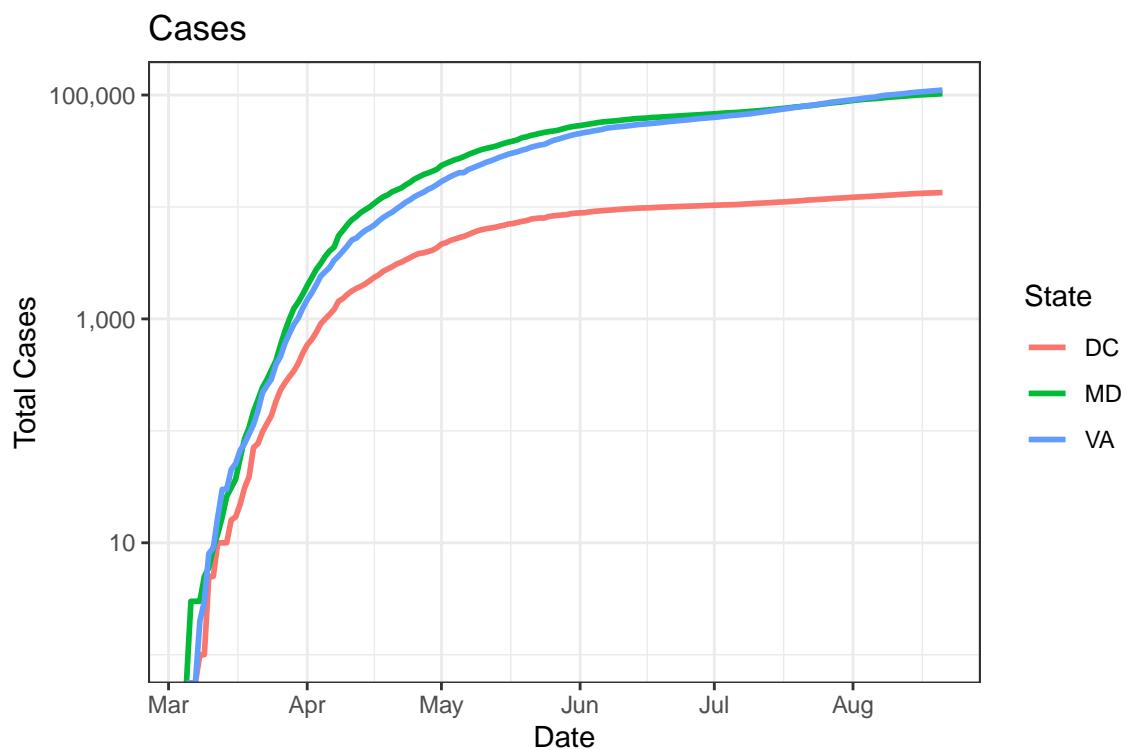


## One-Week Change in Daily Deaths

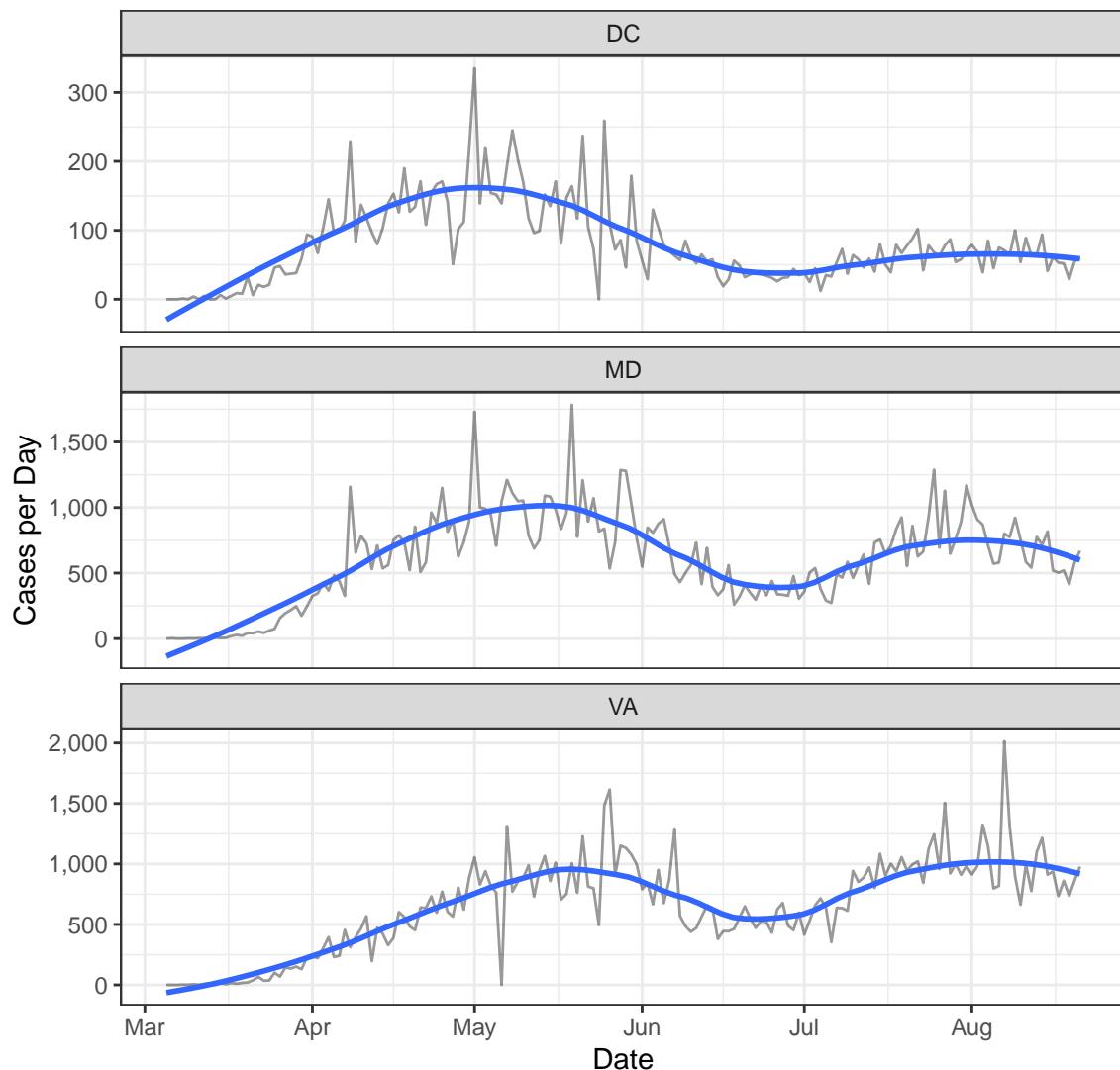




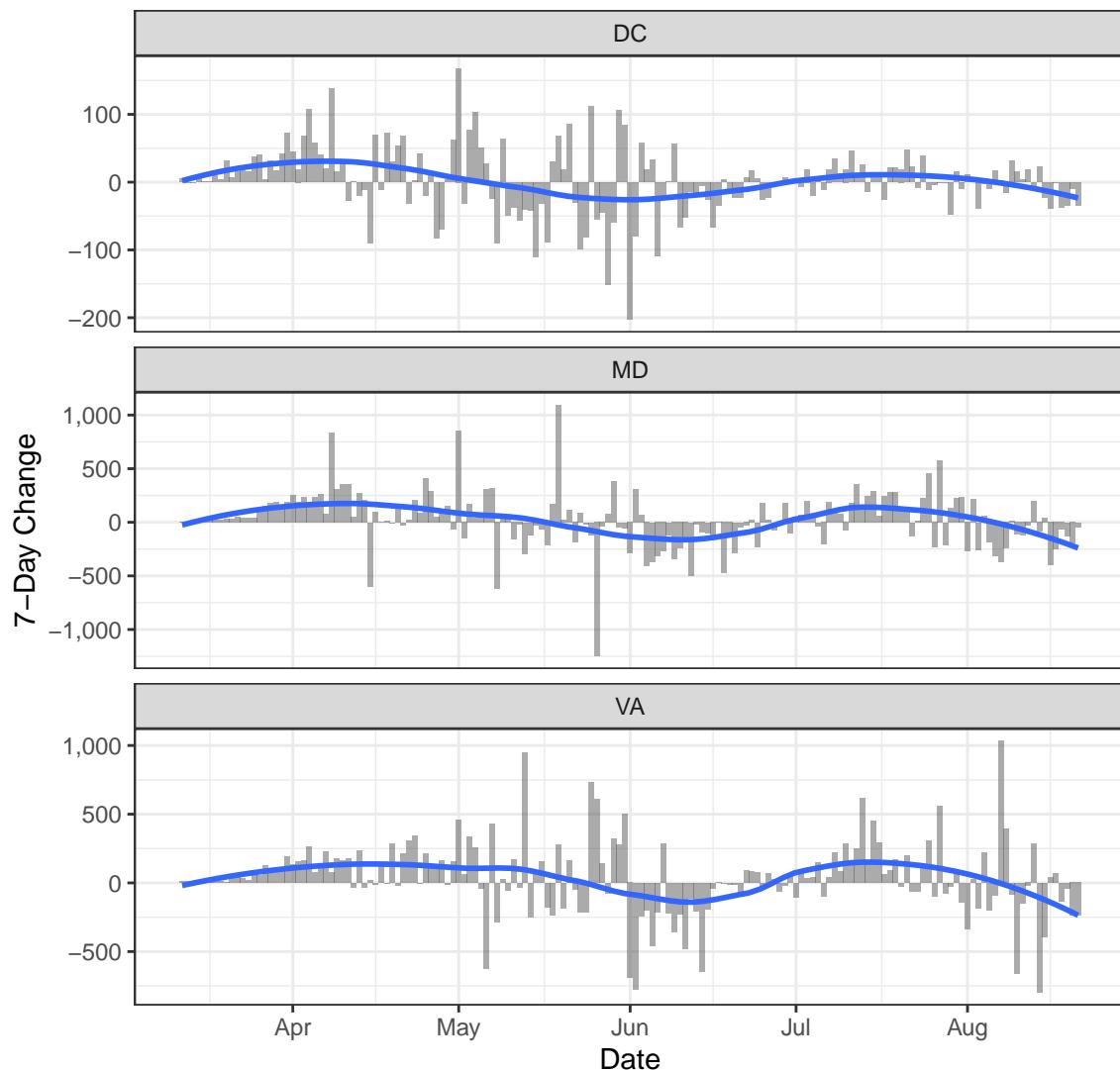
Cases

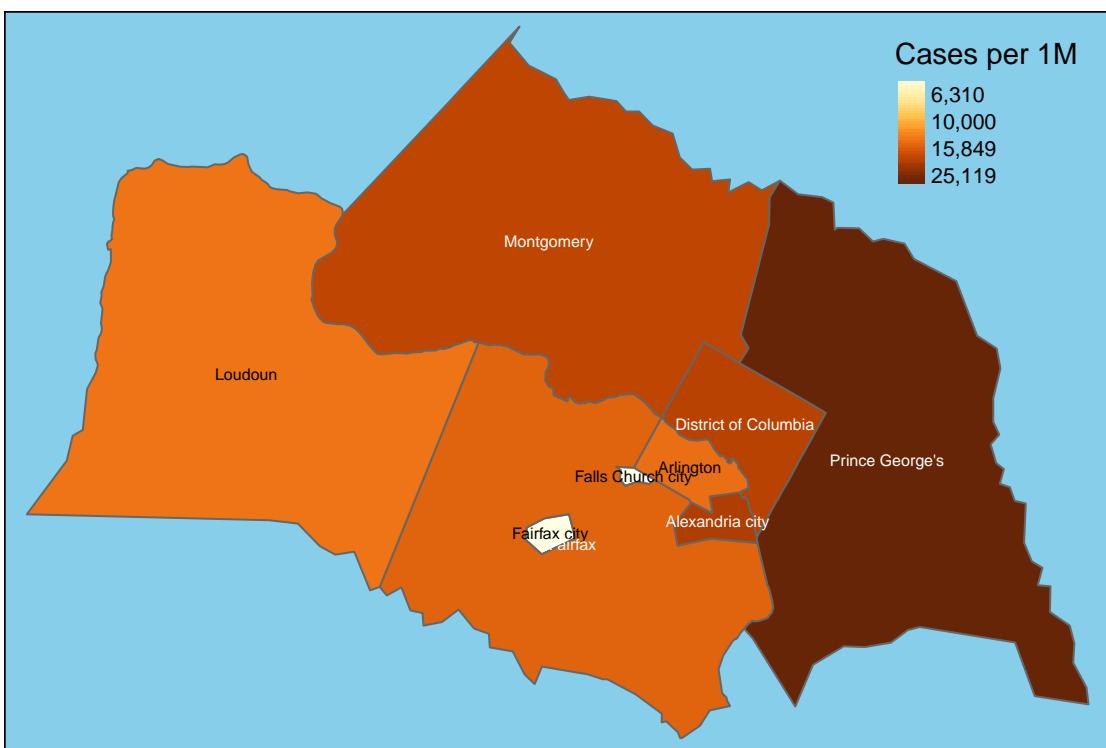
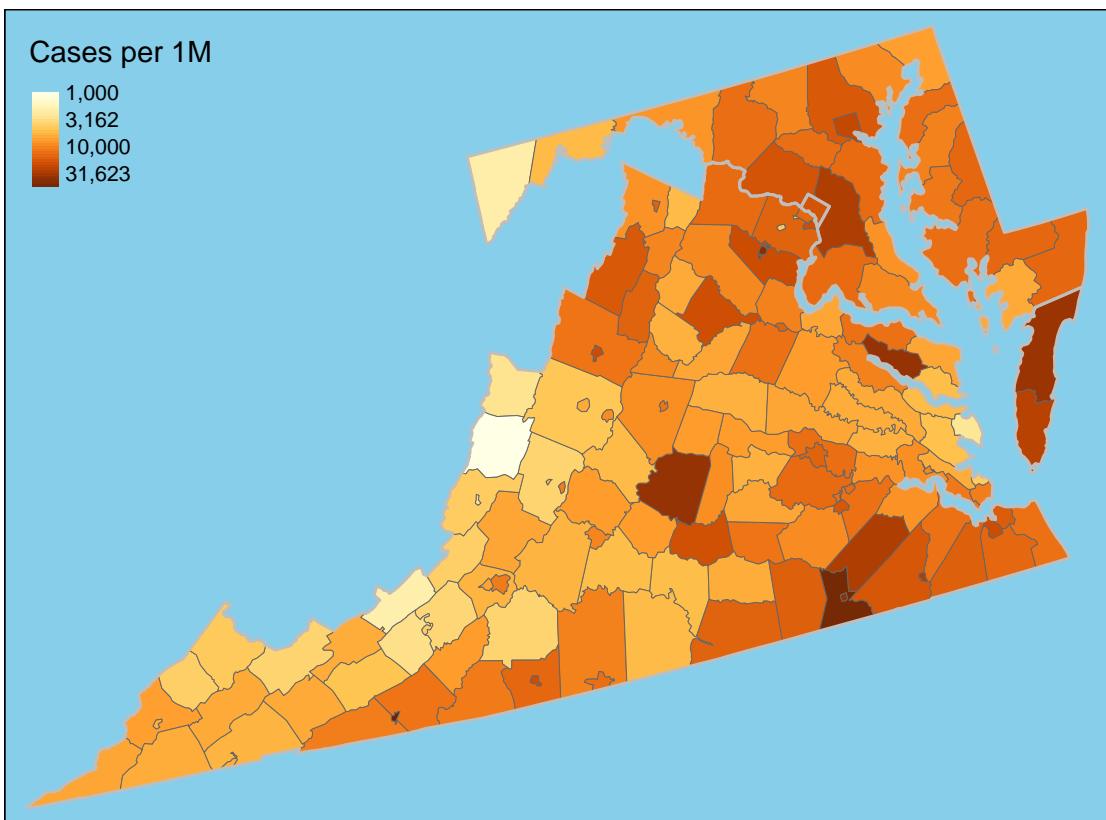


## New Cases

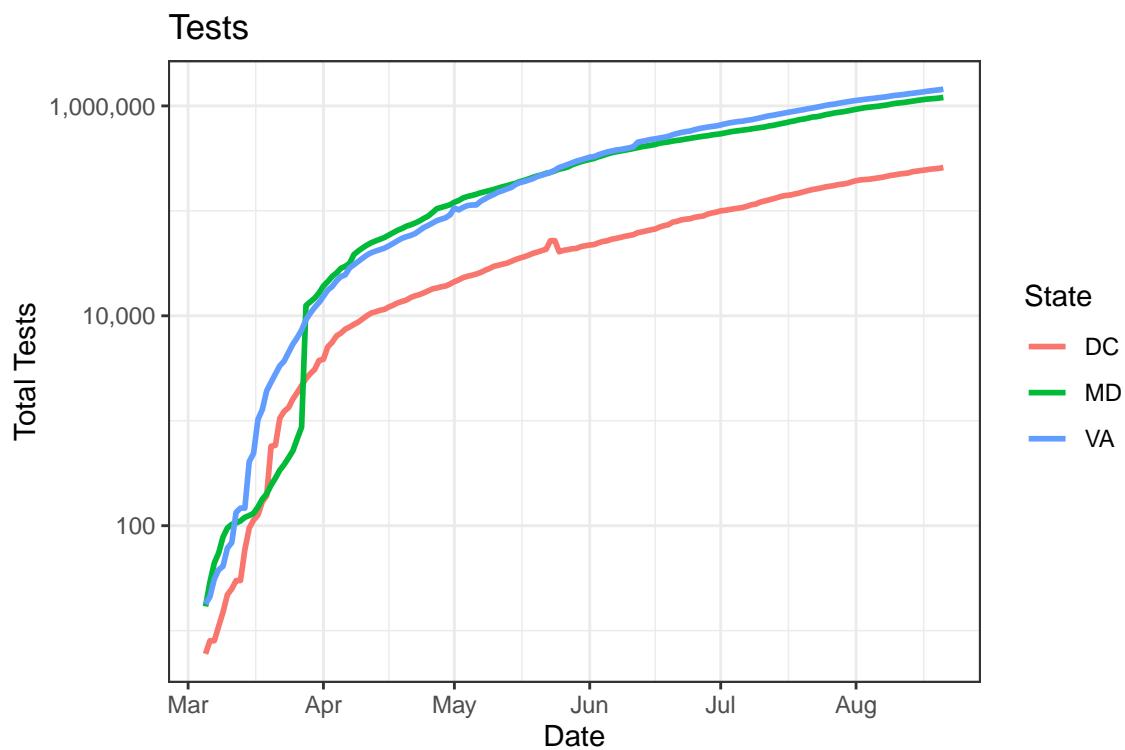


## One-Week Change in Daily Cases

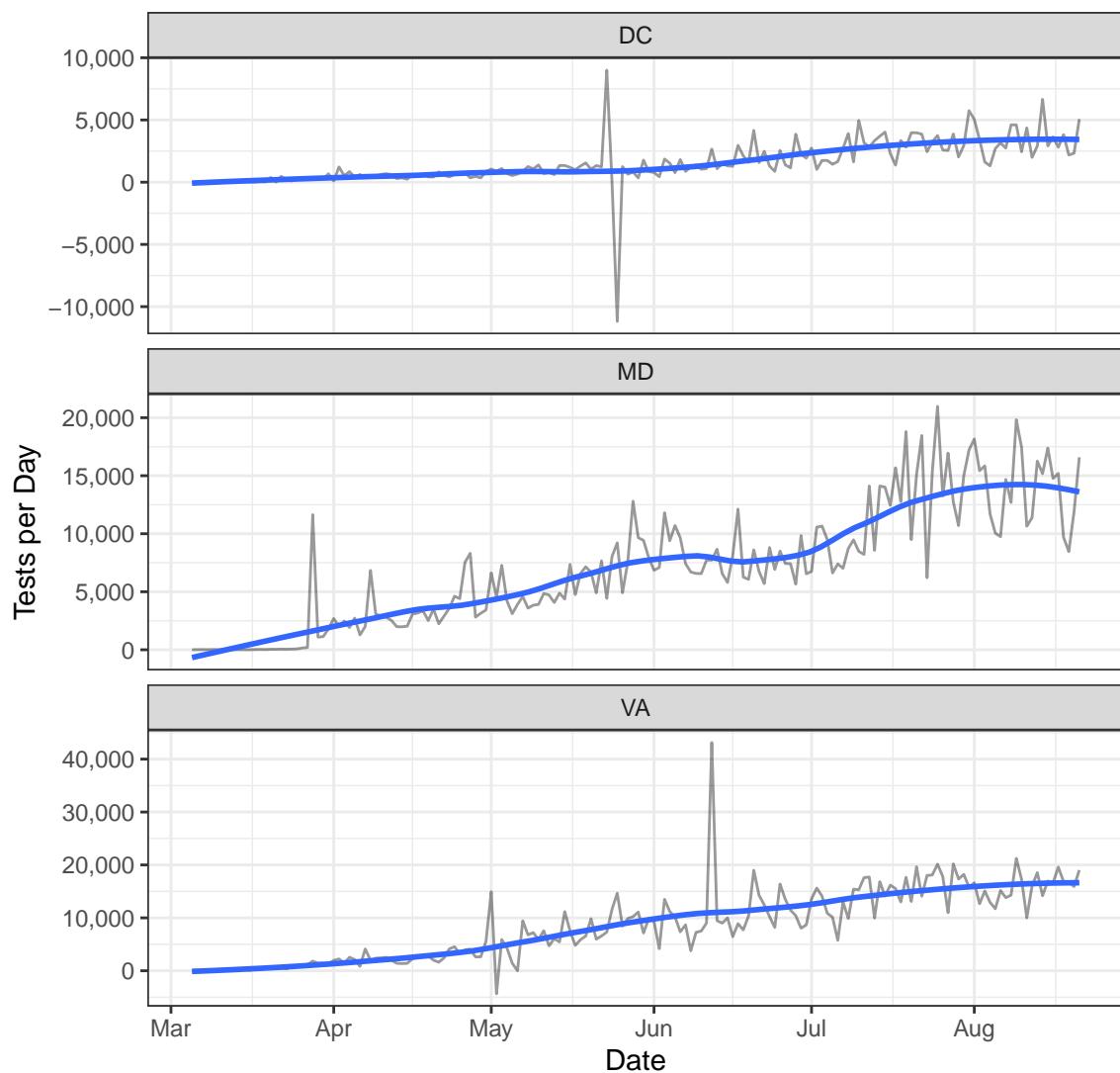




## Testing



## New Tests



## Positive Test Rate

