

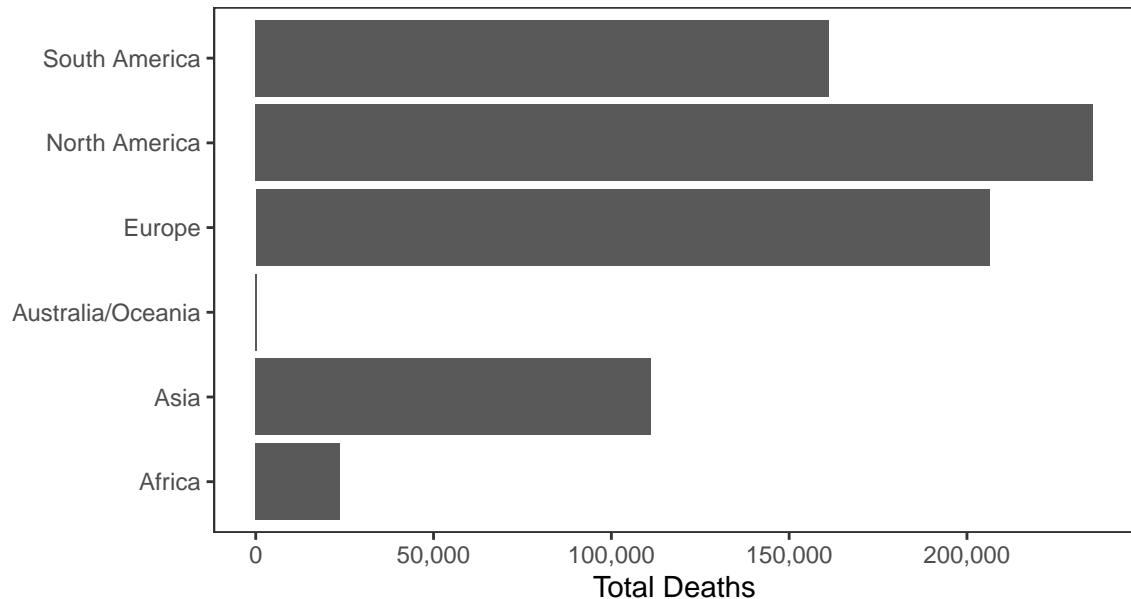
# Erik's Covid-19 Chart Pack

Data updated 2020-08-11 19:50:41. 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 20,245,570 confirmed Covid-19 cases and 738,302 deaths worldwide.

**Deaths**



**Cases**

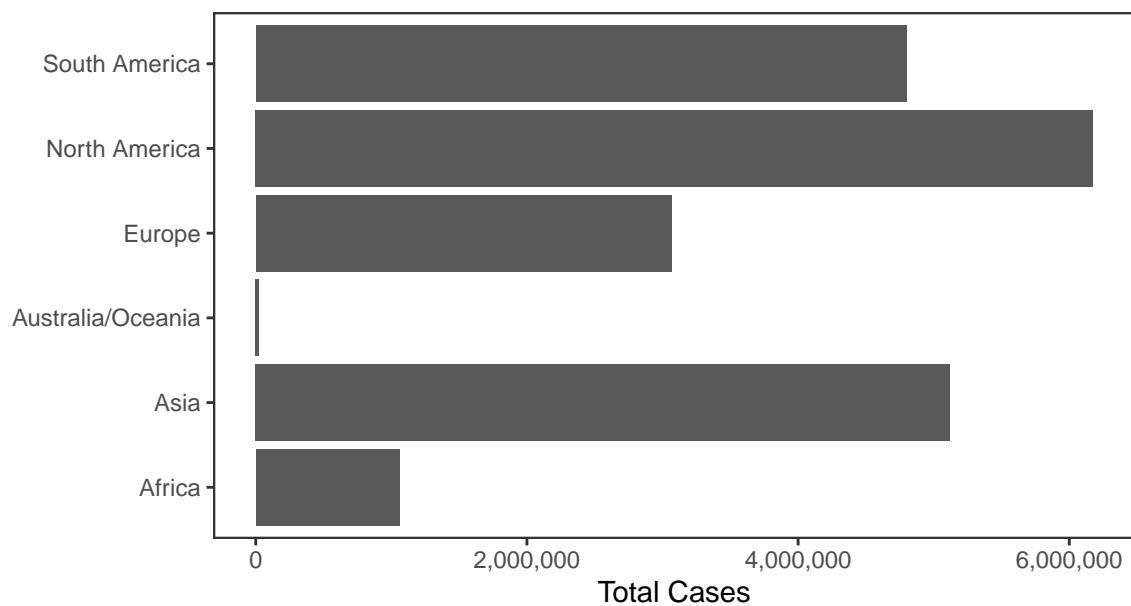
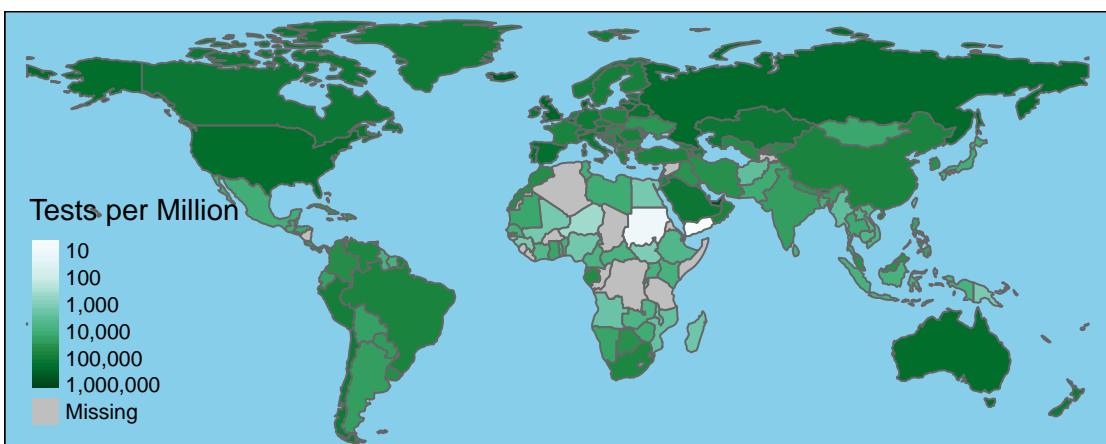
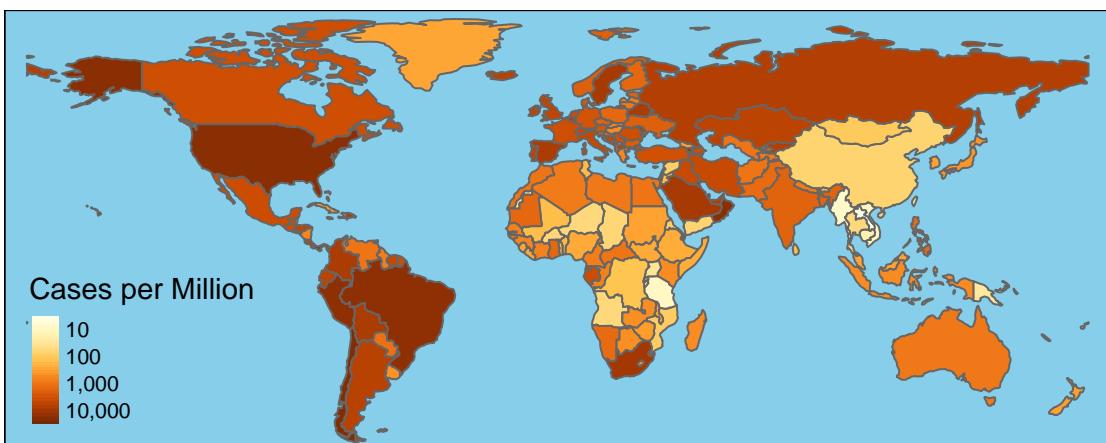
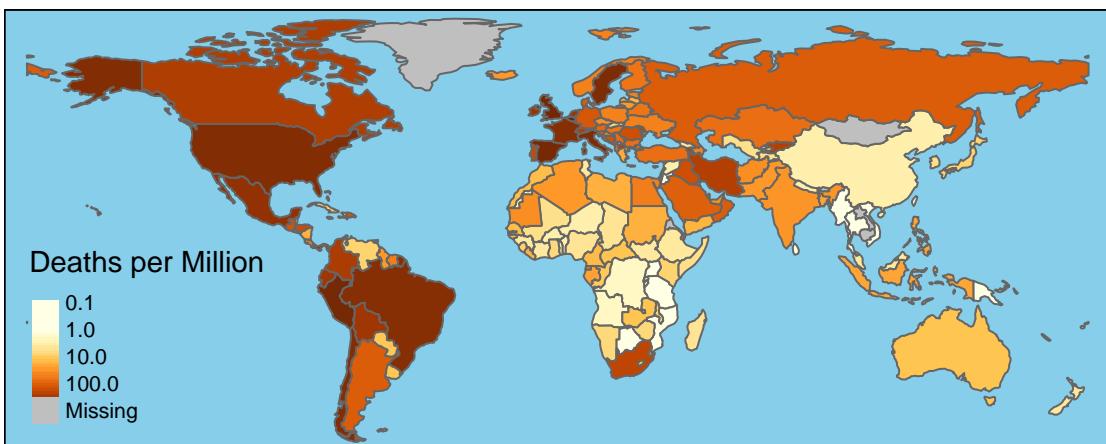


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	5,251,438	166,192	49,800	569
Brazil	3,057,470	101,857	21,888	721
India	2,267,153	45,353	53,016	887
Russia	892,654	15,001	5,118	70
South Africa	563,598	10,621	3,739	213
Peru	483,133	21,276	5,109	204
Mexico	480,278	52,298	4,376	292
Colombia	397,623	13,154	10,142	312
Chile	375,044	10,139	1,988	62
Spain	370,060	28,576	2,873	73
Iran	328,844	18,616	2,132	189
UK	311,641	46,526	816	21
Saudi Arabia	289,947	3,199	1,257	32
Pakistan	284,660	6,097	539	15
Bangladesh	260,507	3,438	2,907	39
Argentina	253,868	4,764	7,369	158
Italy	250,825	35,209	259	4
Turkey	241,997	5,858	1,193	14
Germany	218,500	9,265	1,219	5
France	202,775	30,340	785	14



## National Data

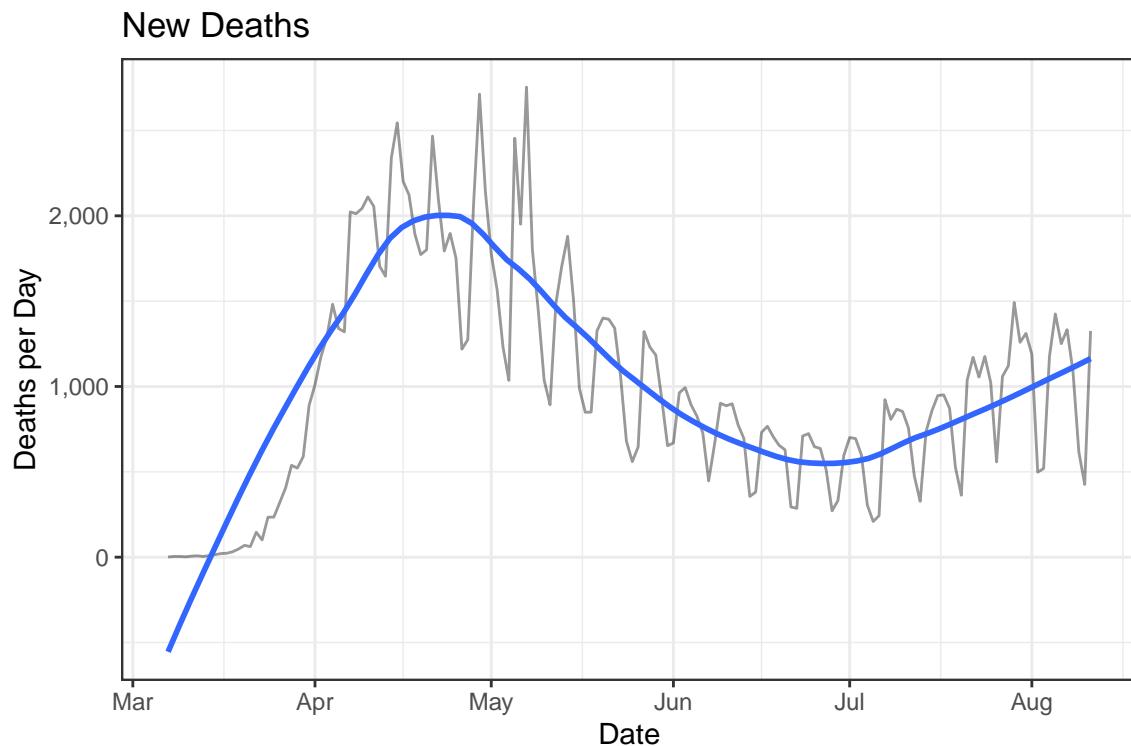
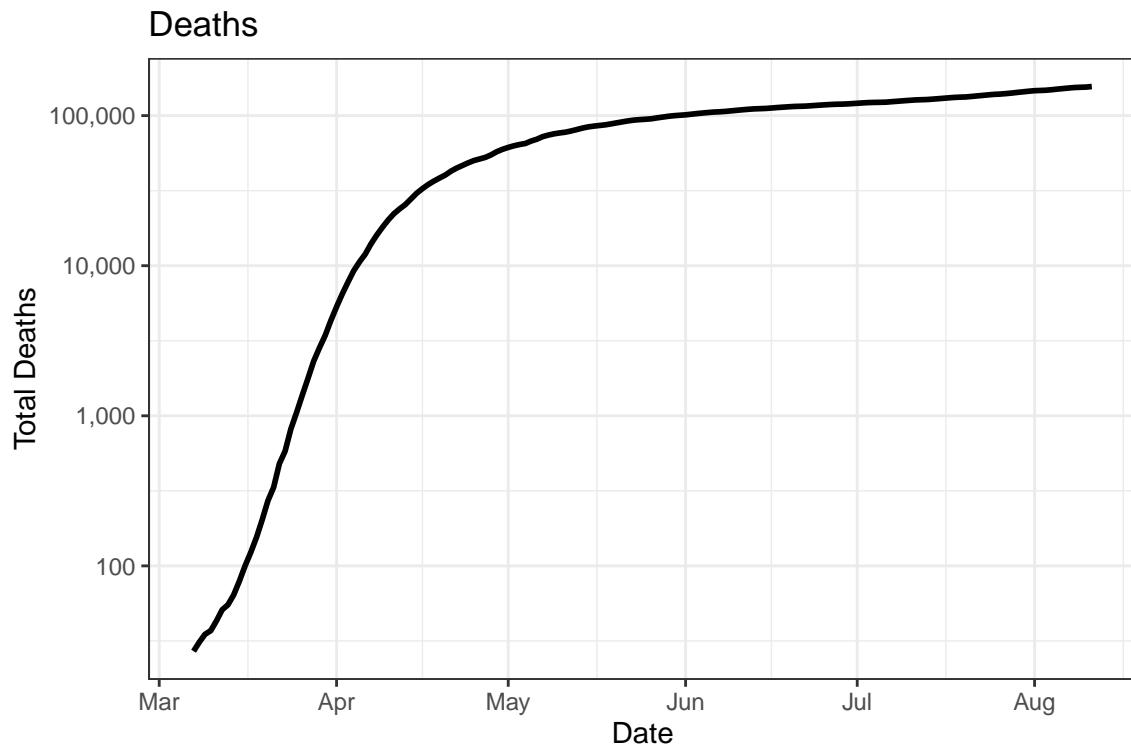
There have been 5,116,474 confirmed Covid-19 cases and 156,273 deaths in the United States.

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

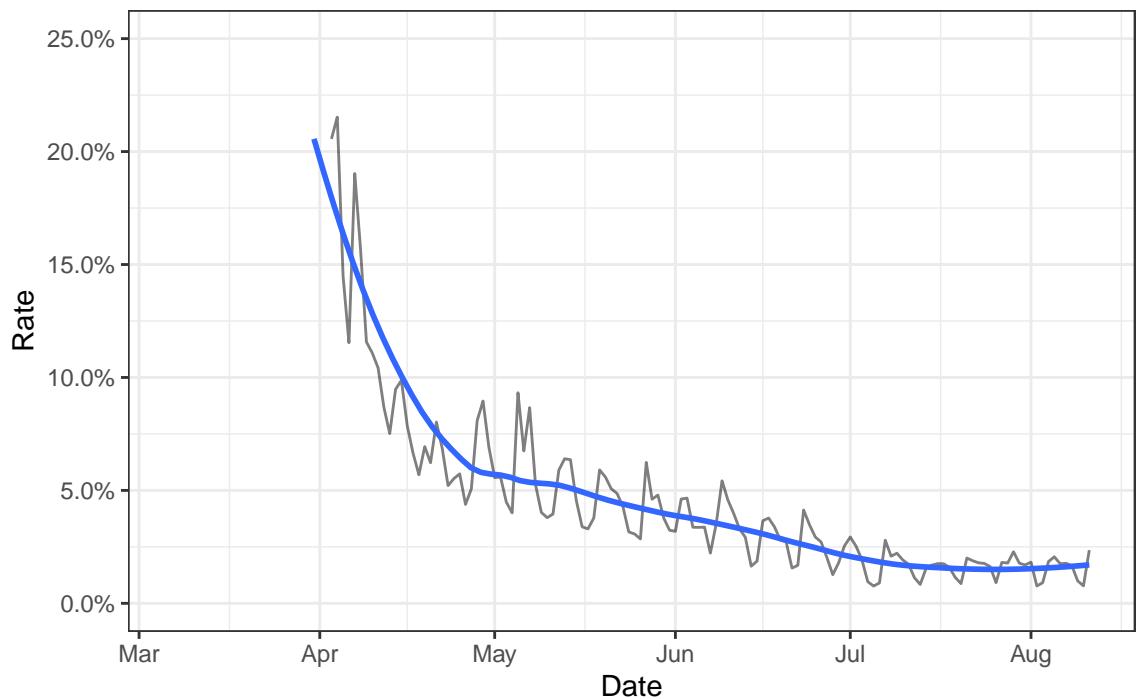
Date	Cases	Deaths	New Cases	New Deaths
2020-08-11	5,116,474	156,273	55,594	1,326
2020-08-10	5,060,880	154,947	41,807	426
2020-08-09	5,019,073	154,521	51,319	616
2020-08-08	4,967,754	153,905	54,091	1,089
2020-08-07	4,913,663	152,816	61,520	1,333
2020-08-06	4,852,143	151,483	54,184	1,251
2020-08-05	4,797,959	150,232	52,265	1,425
2020-08-04	4,745,694	148,807	51,568	1,176
2020-08-03	4,694,126	147,631	49,561	519
2020-08-02	4,644,565	147,112	48,266	498
2020-08-01	4,596,299	146,614	60,692	1,189
2020-07-31	4,535,607	145,425	67,755	1,311
2020-07-30	4,467,852	144,114	69,466	1,259
2020-07-29	4,398,386	142,855	66,969	1,492

## Deaths

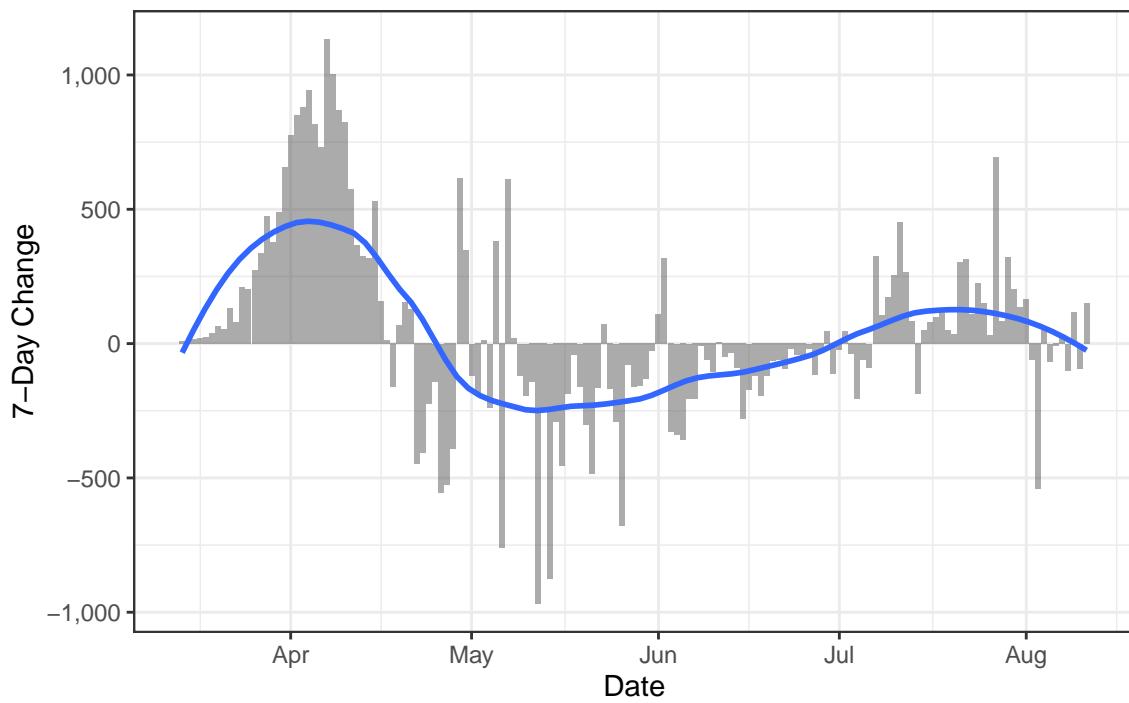
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

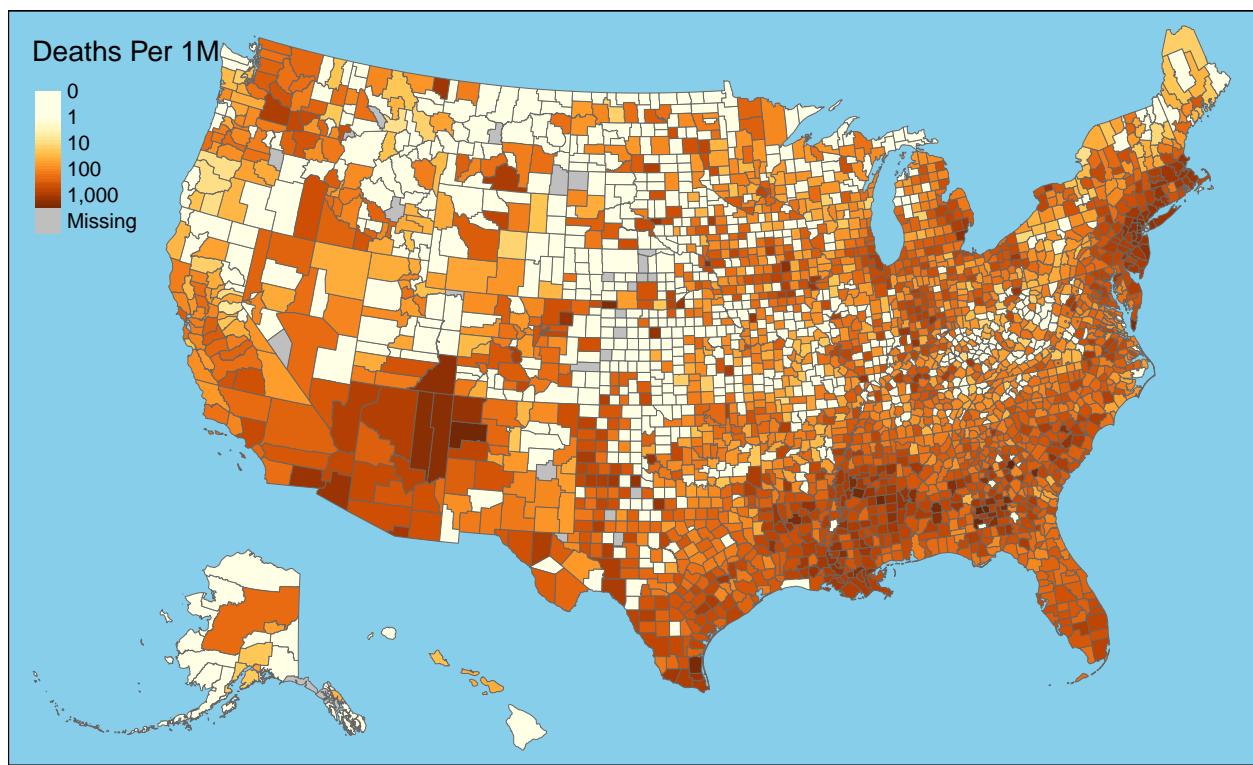


### Daily Case Mortality Rate



### One-Week Change in Daily Deaths

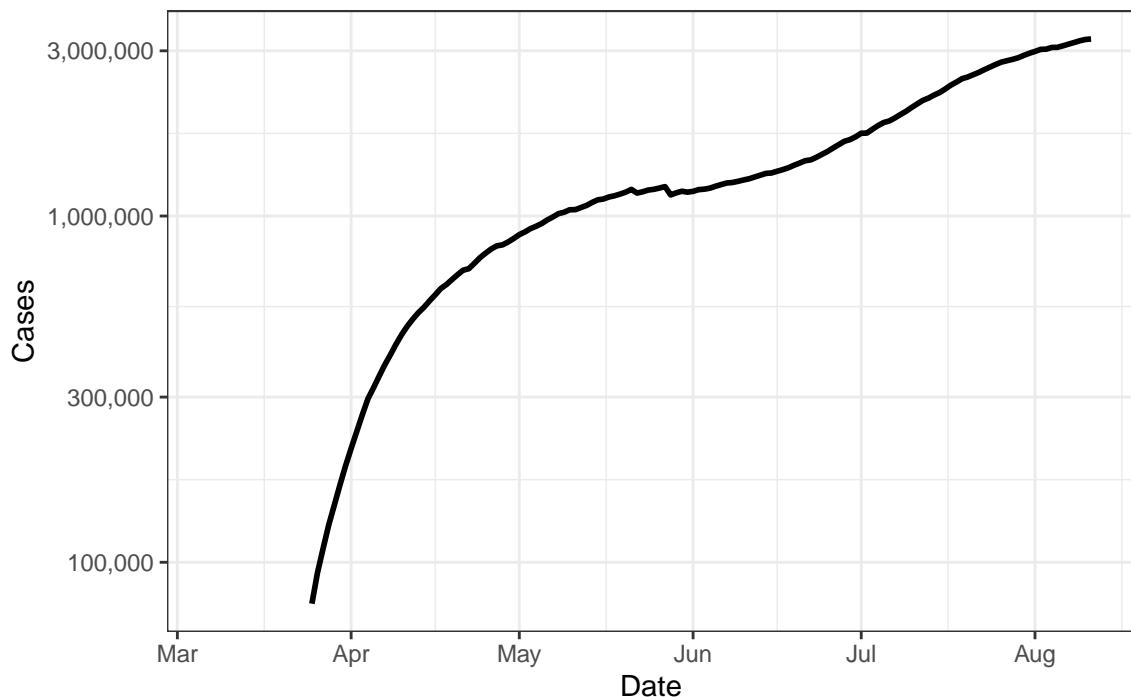




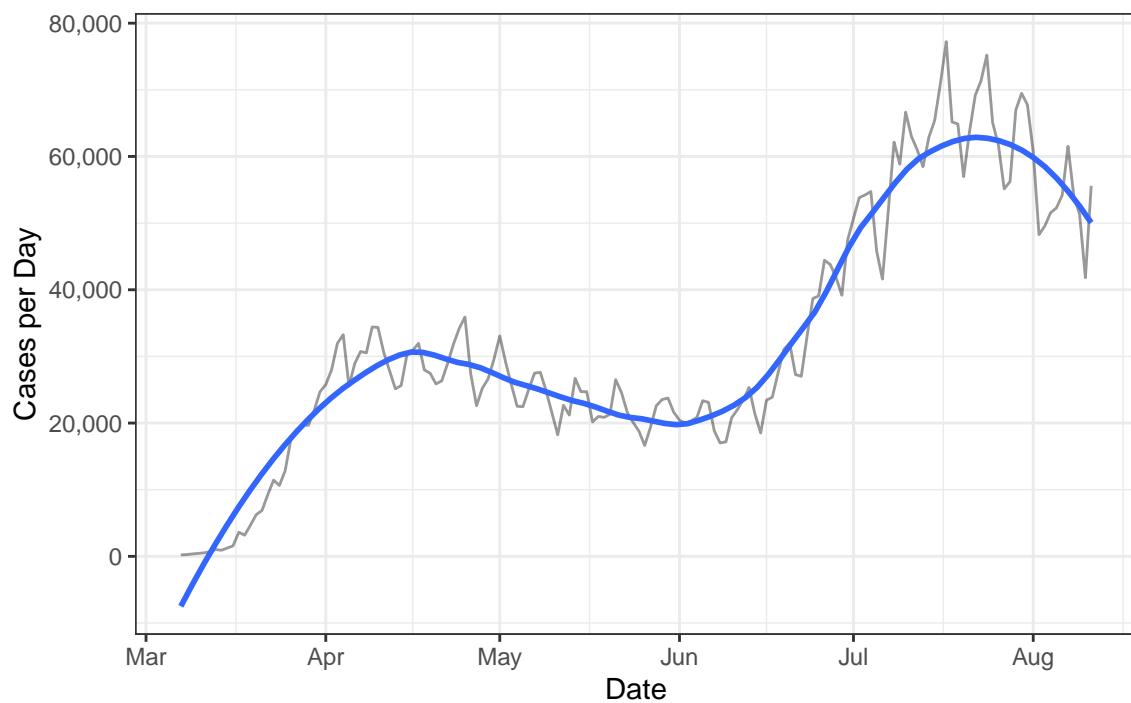
## Cases

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

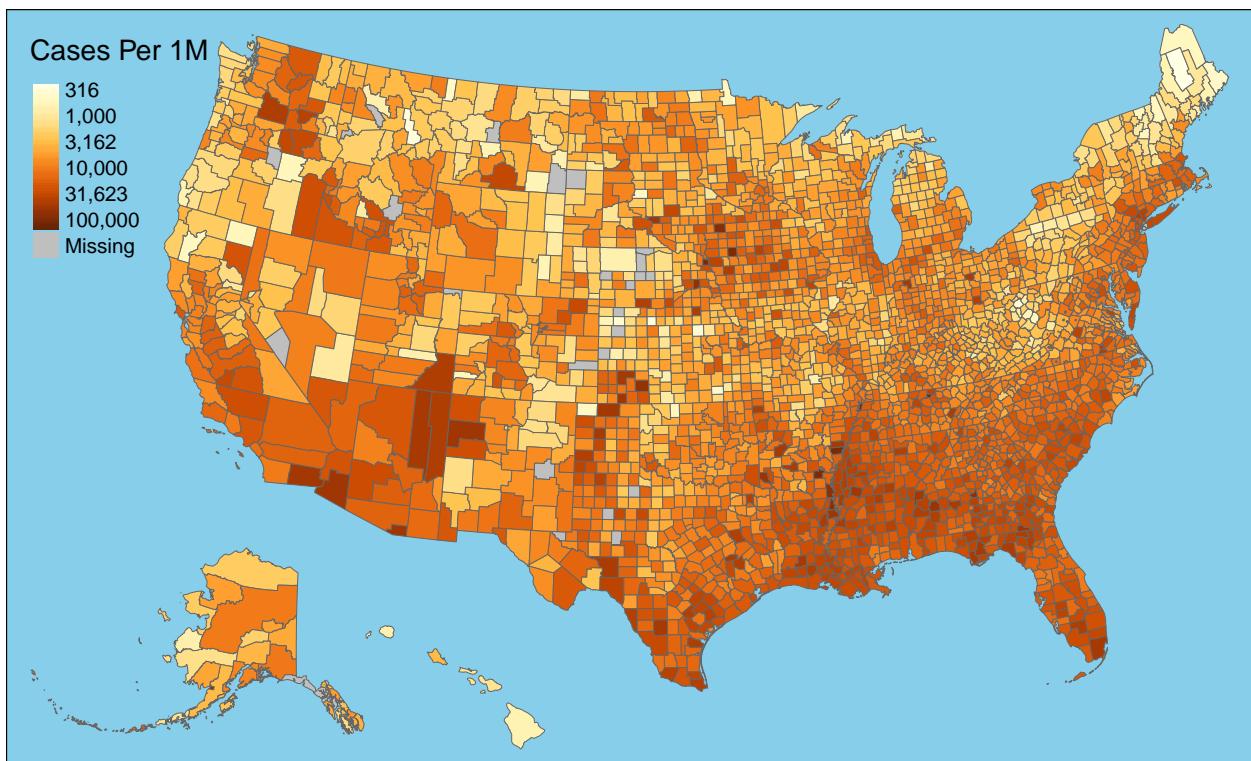
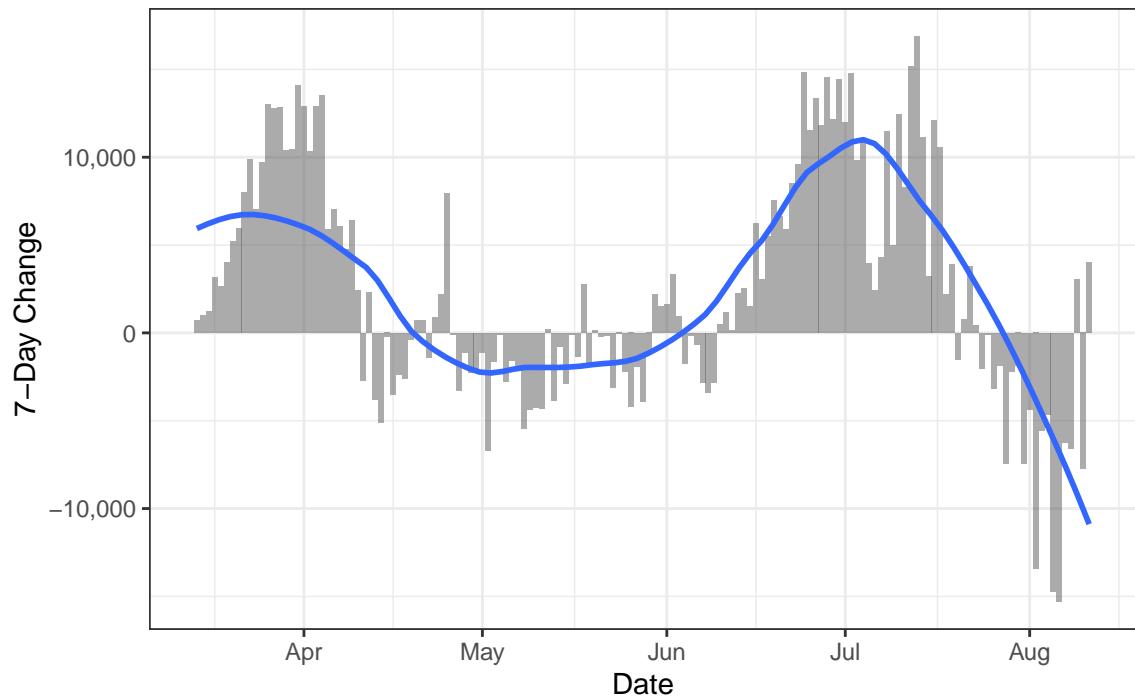
### Active Cases



### New Cases

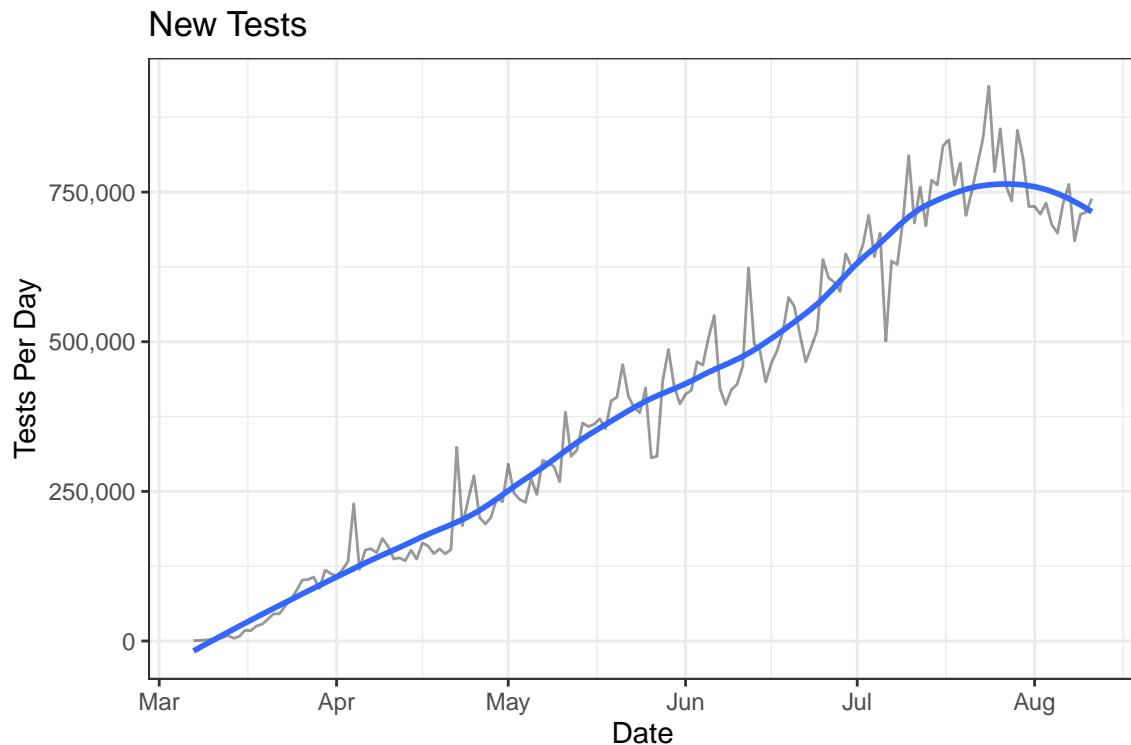
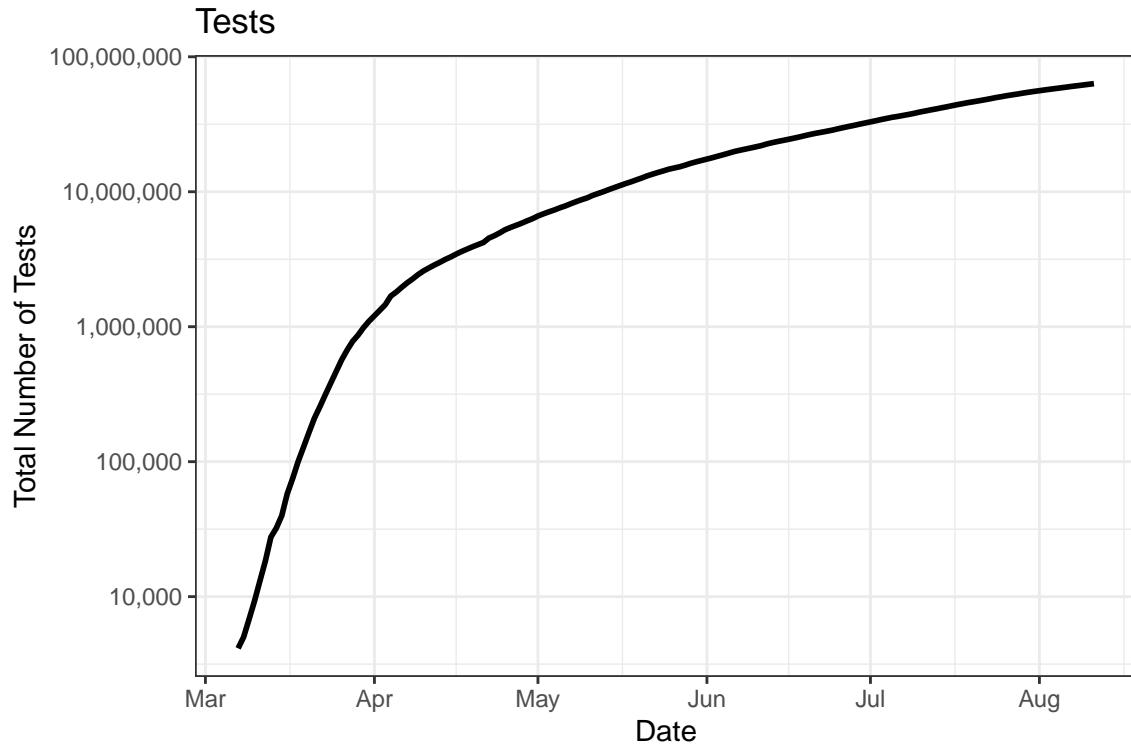


## One-Week Change in Daily Cases

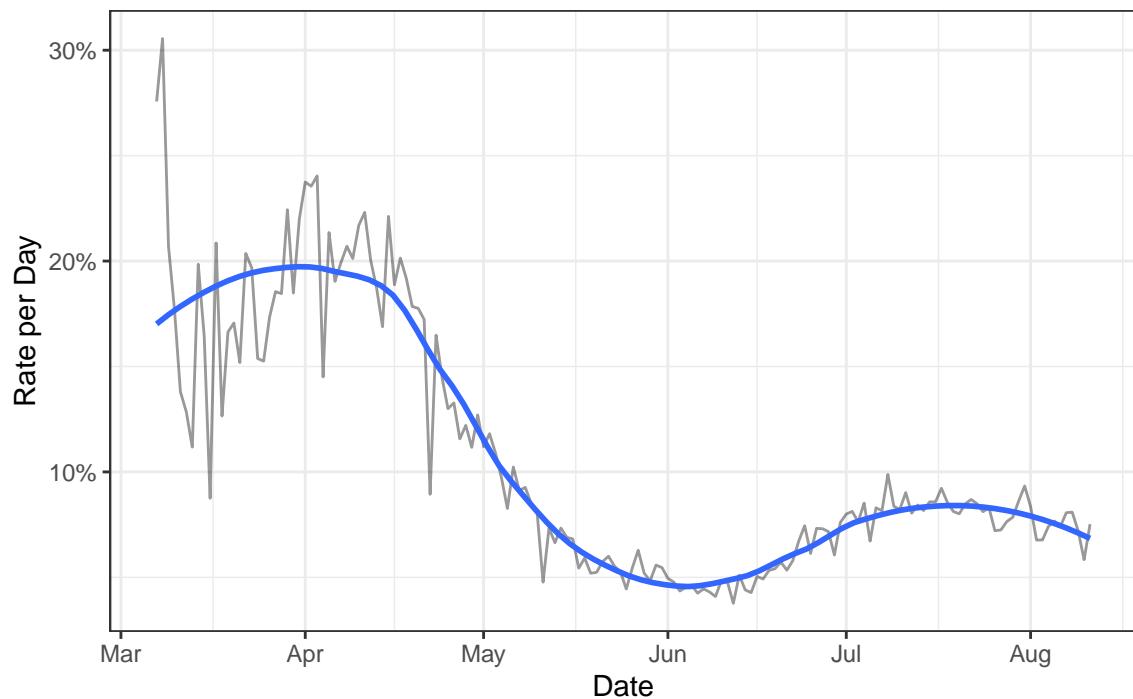


## Testing

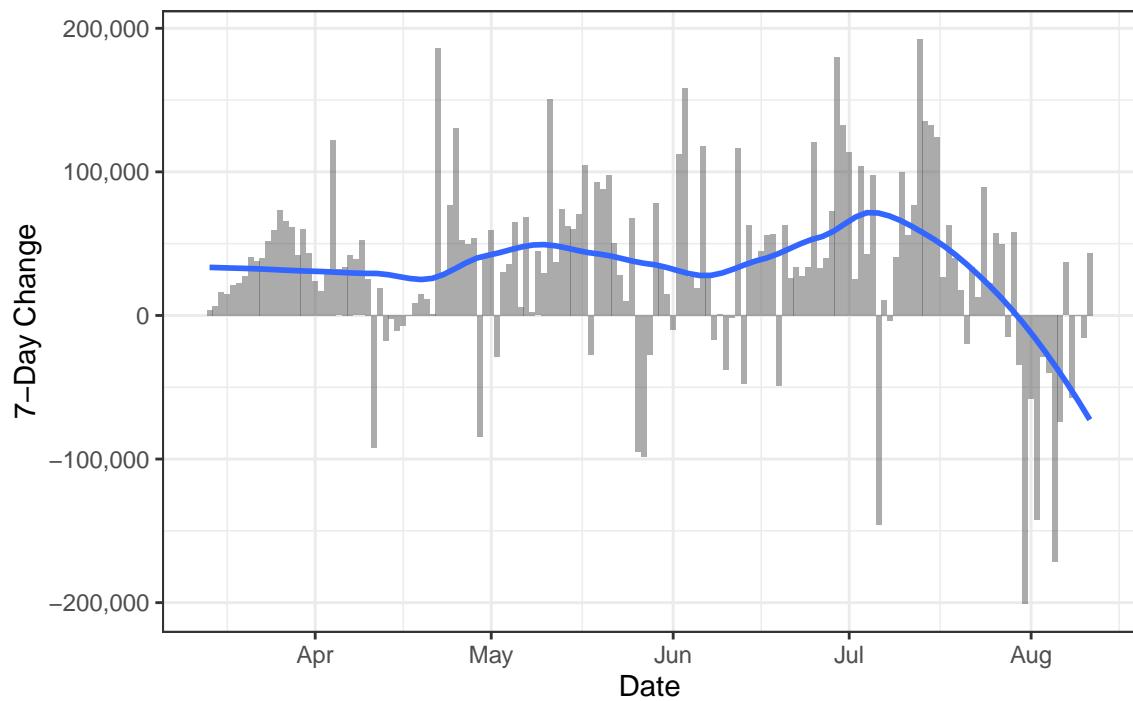
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



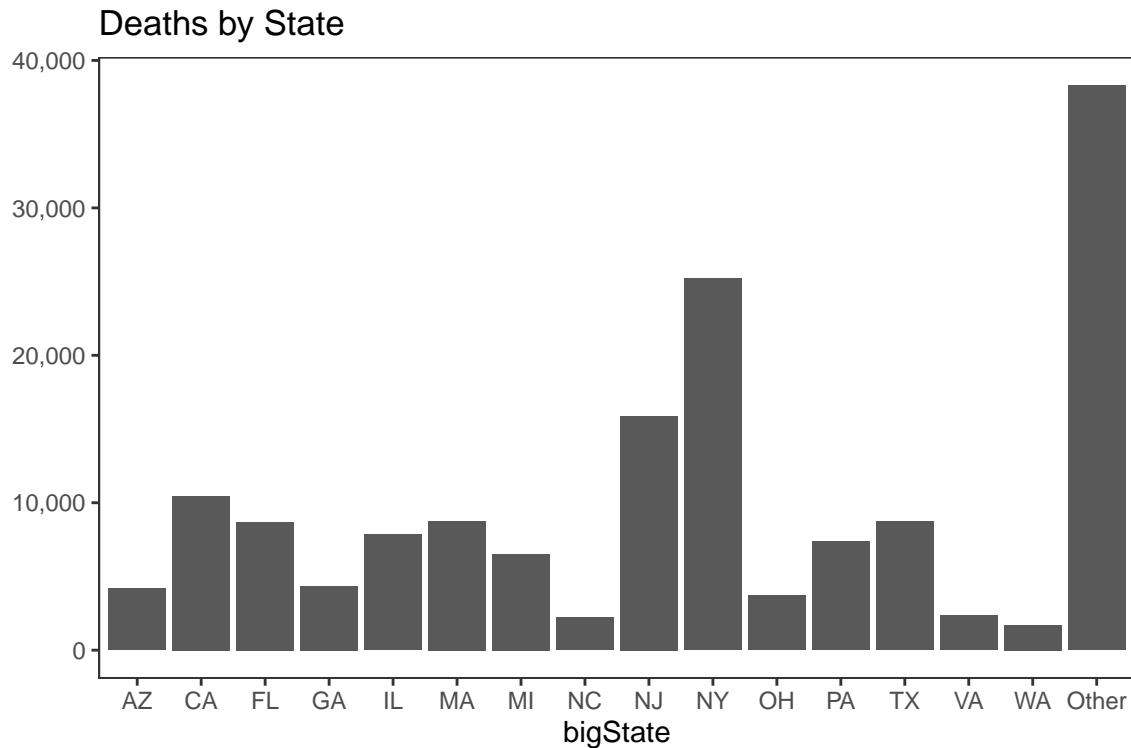
One-Week Change in Daily Tests



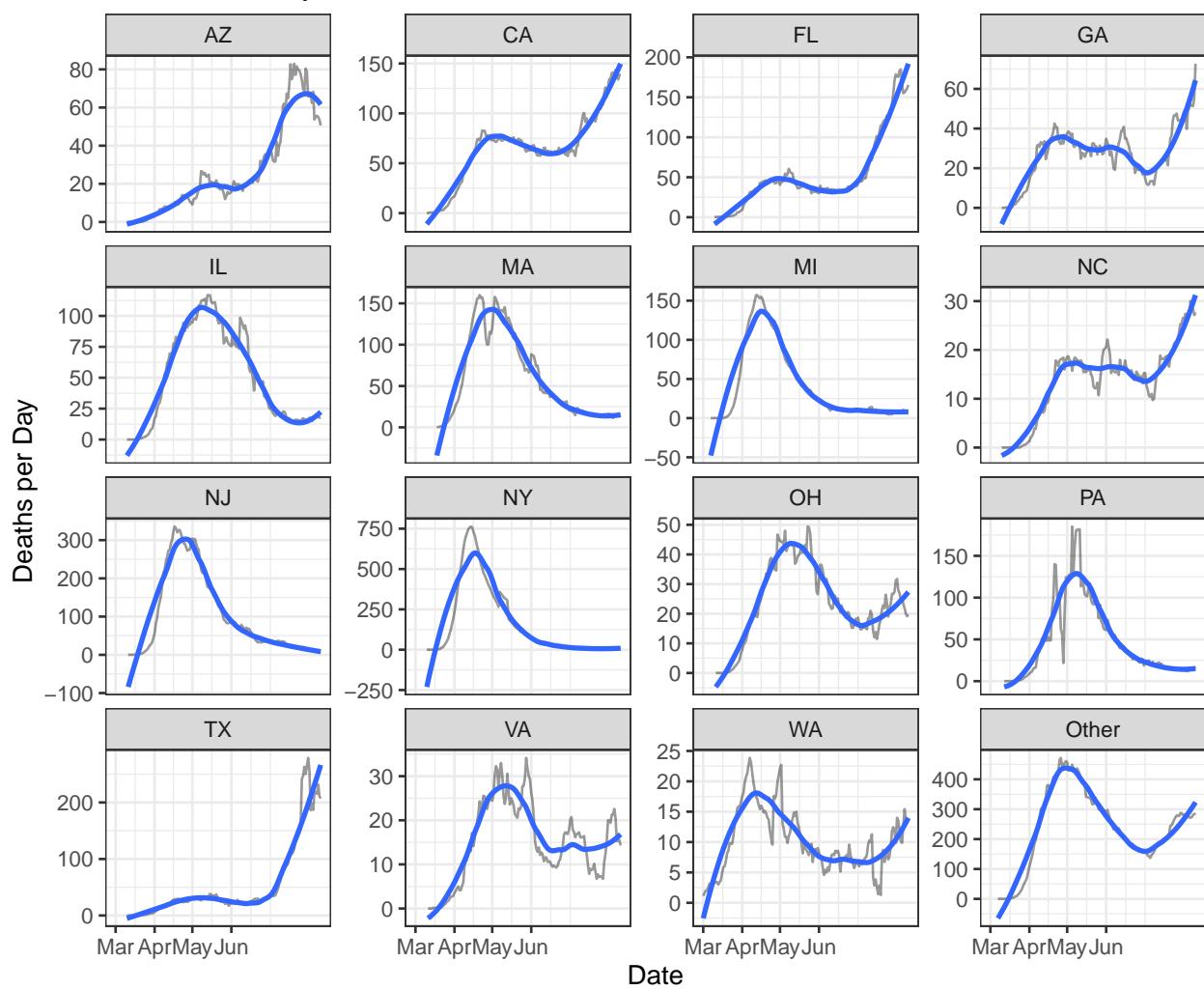
## State Data

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.

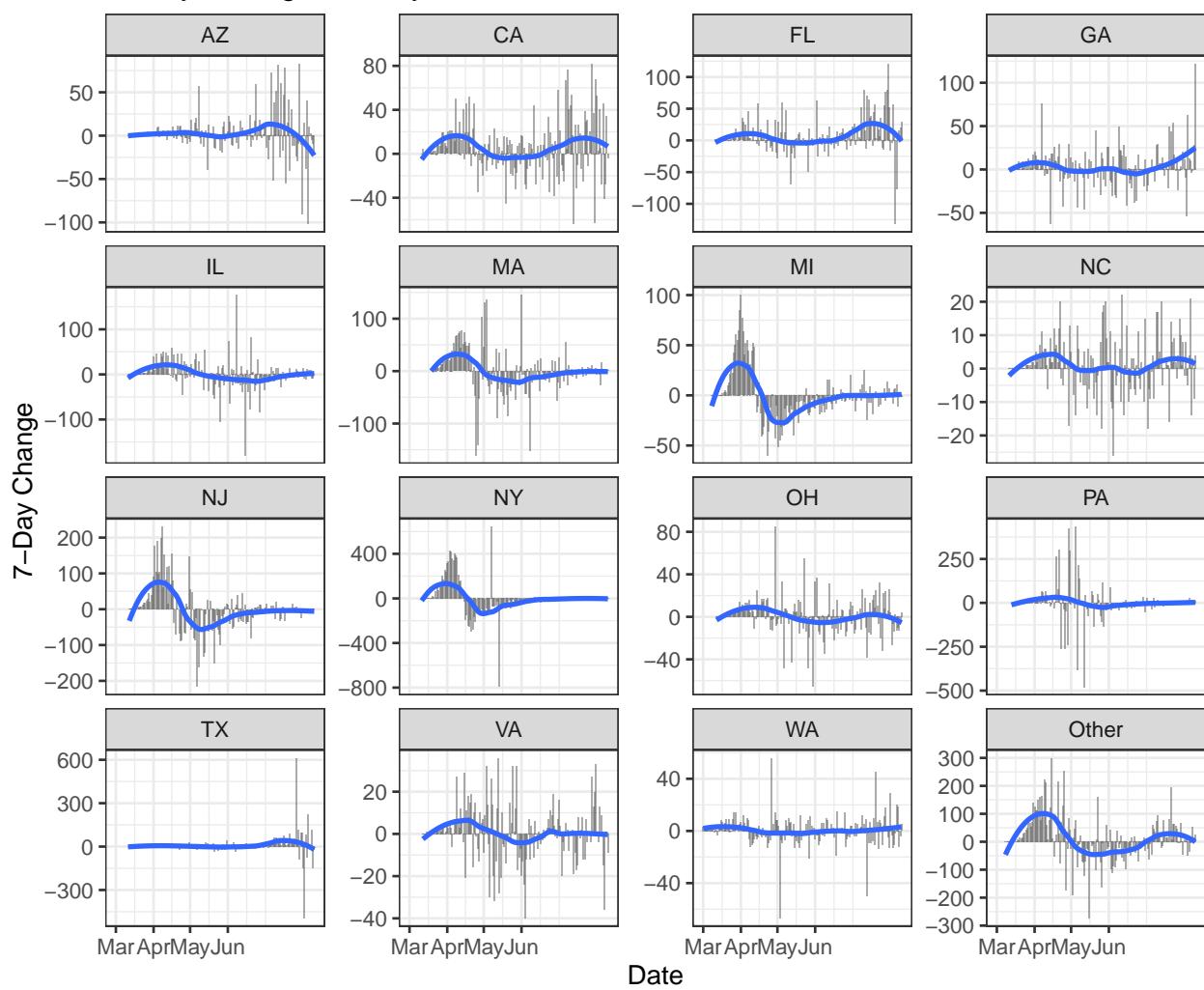
### Deaths

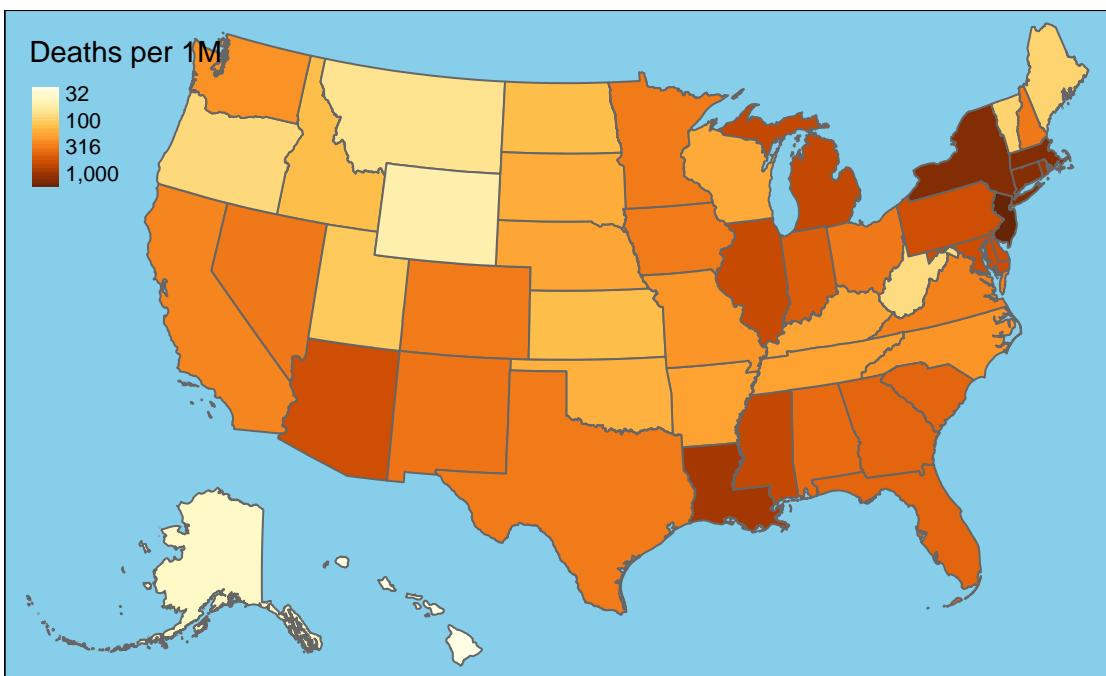
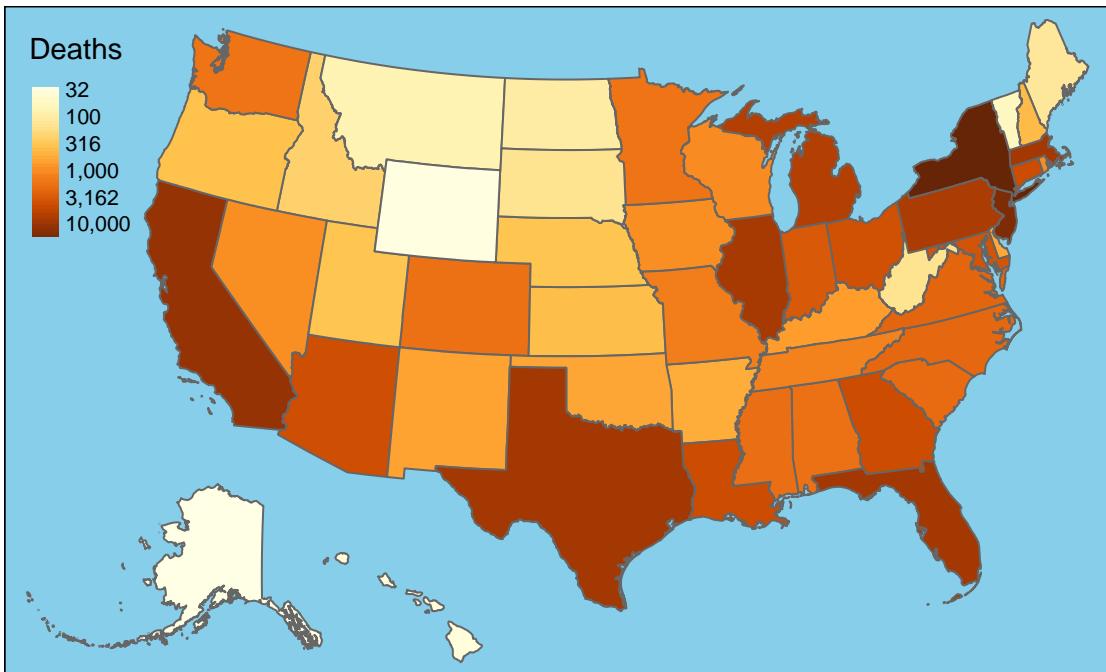


## New Deaths by State



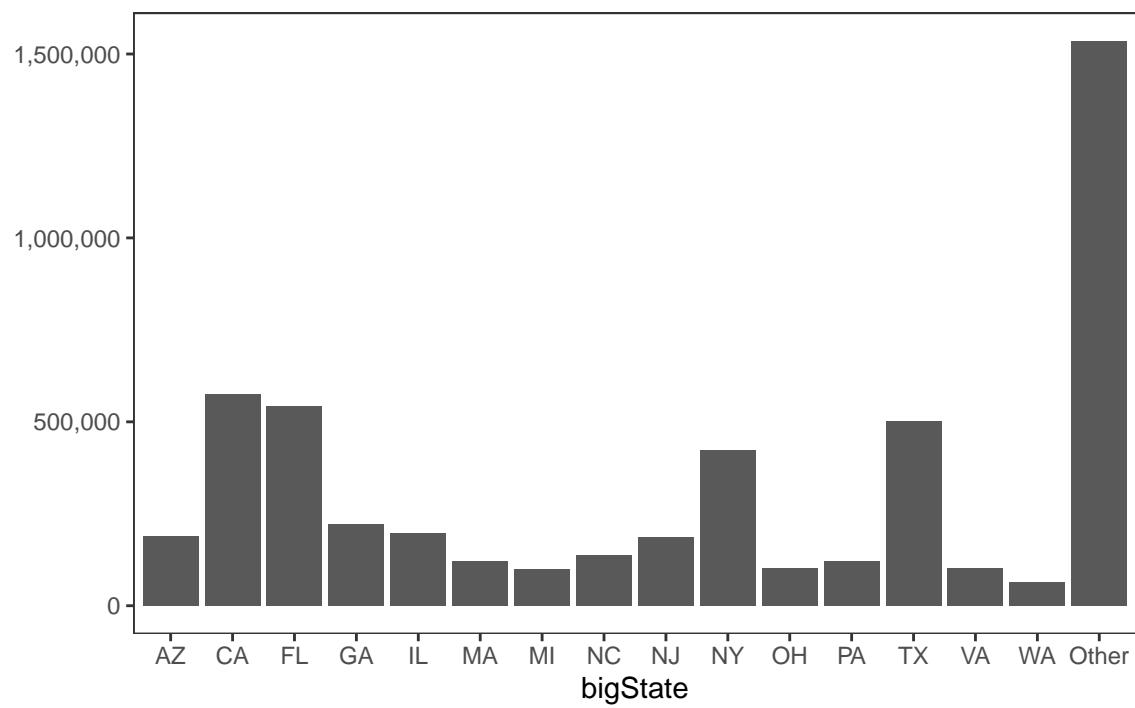
### 7-Day Change in Daily Deaths



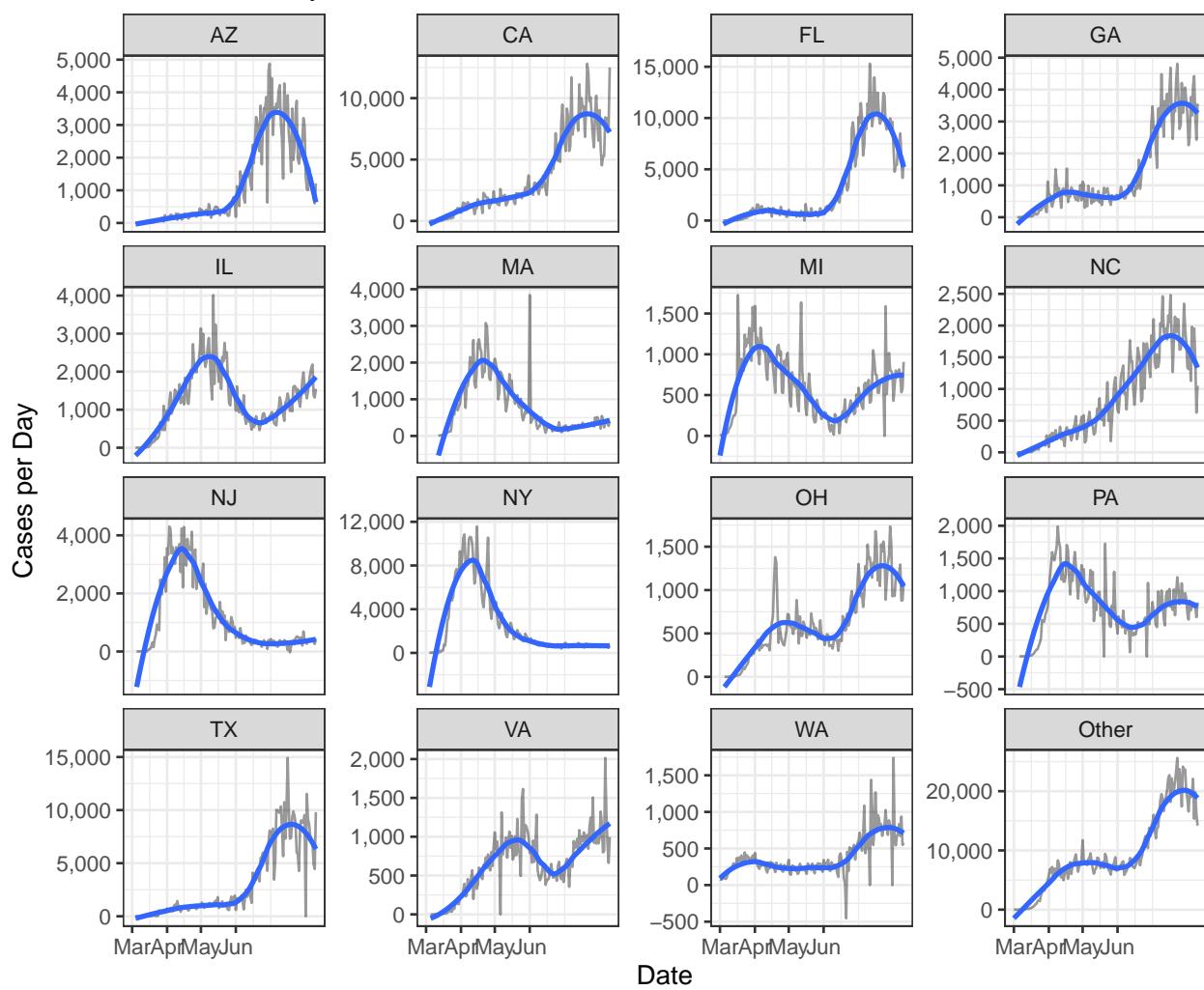


Cases

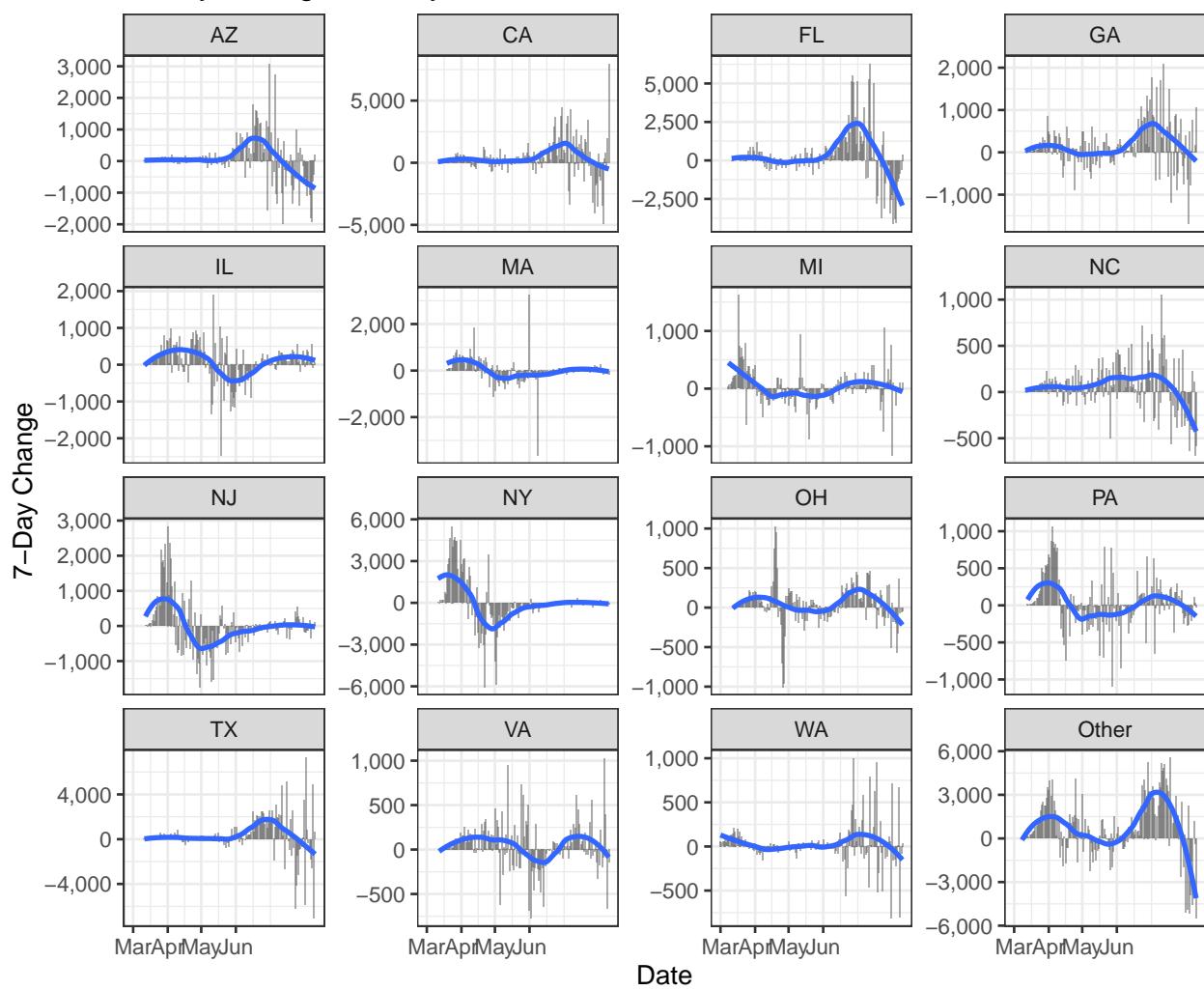
Cases by State

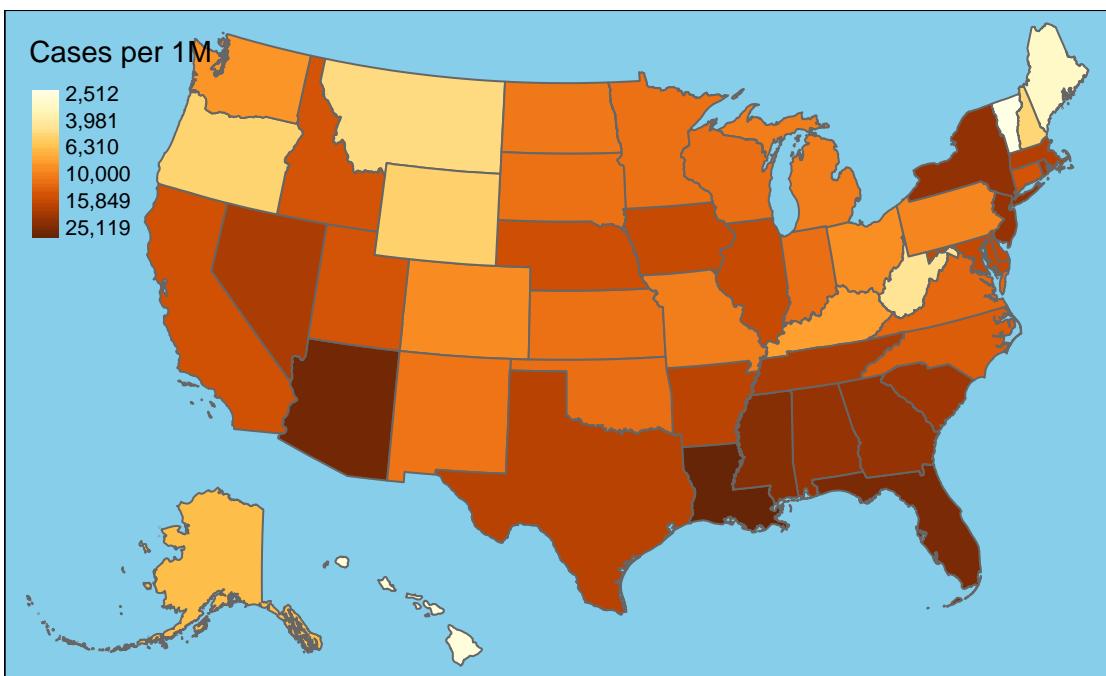
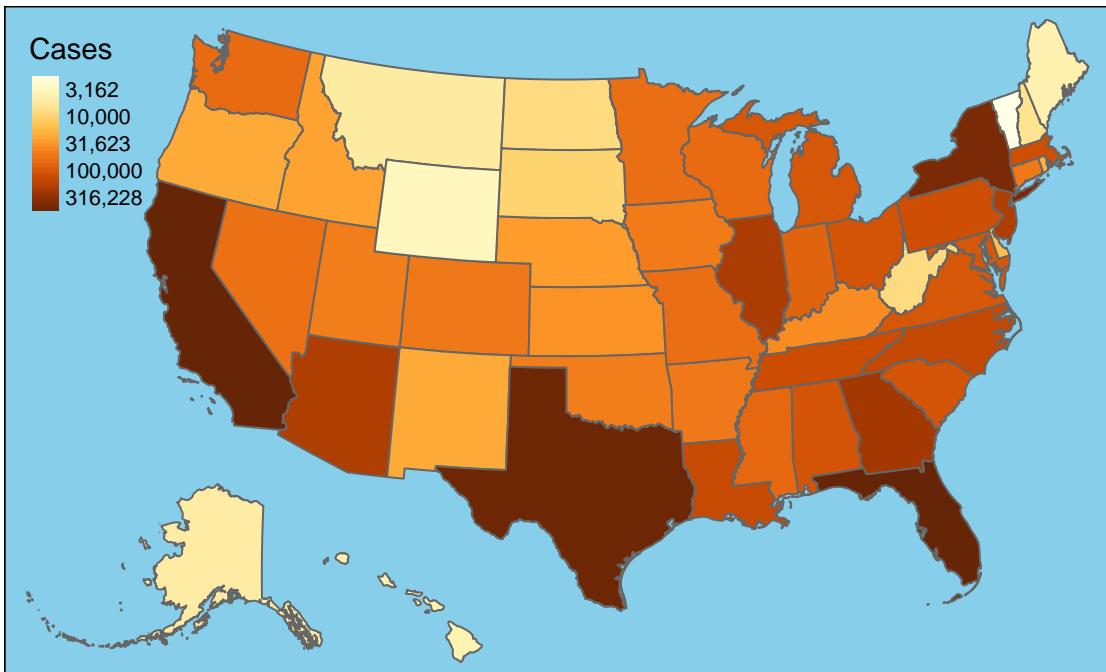


## New Cases by State

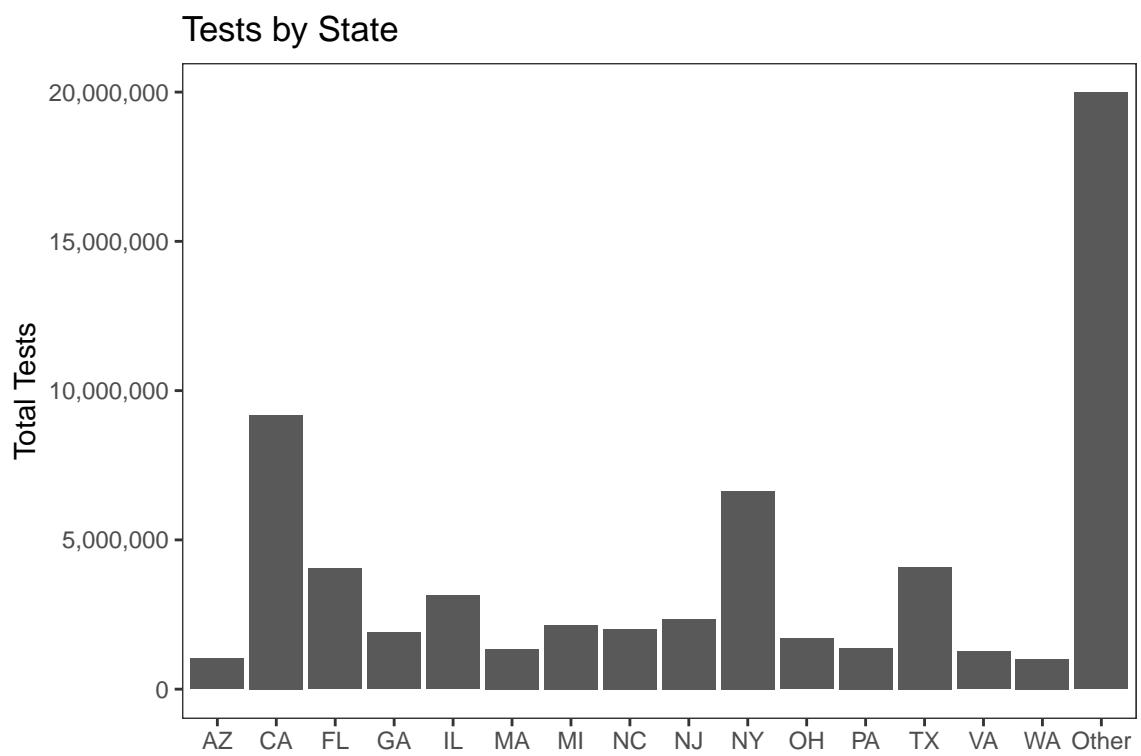


### 7-Day Change in Daily Cases

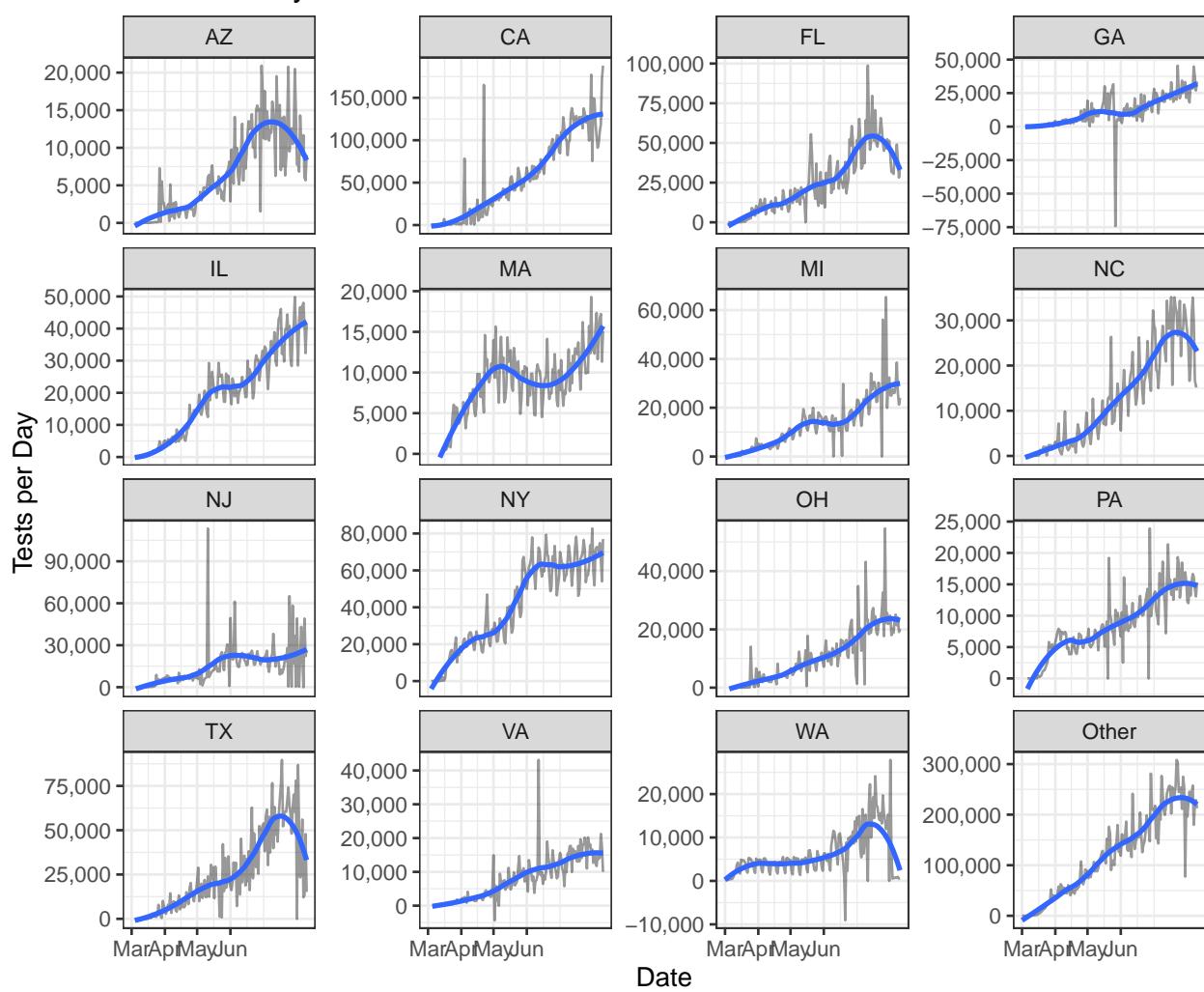


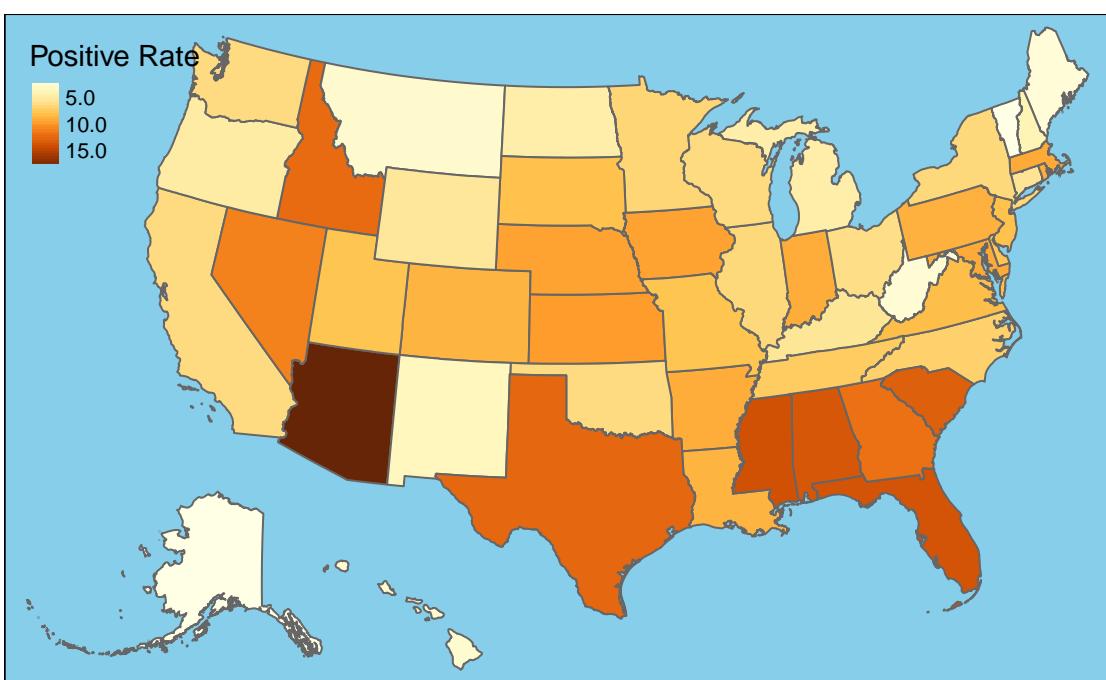
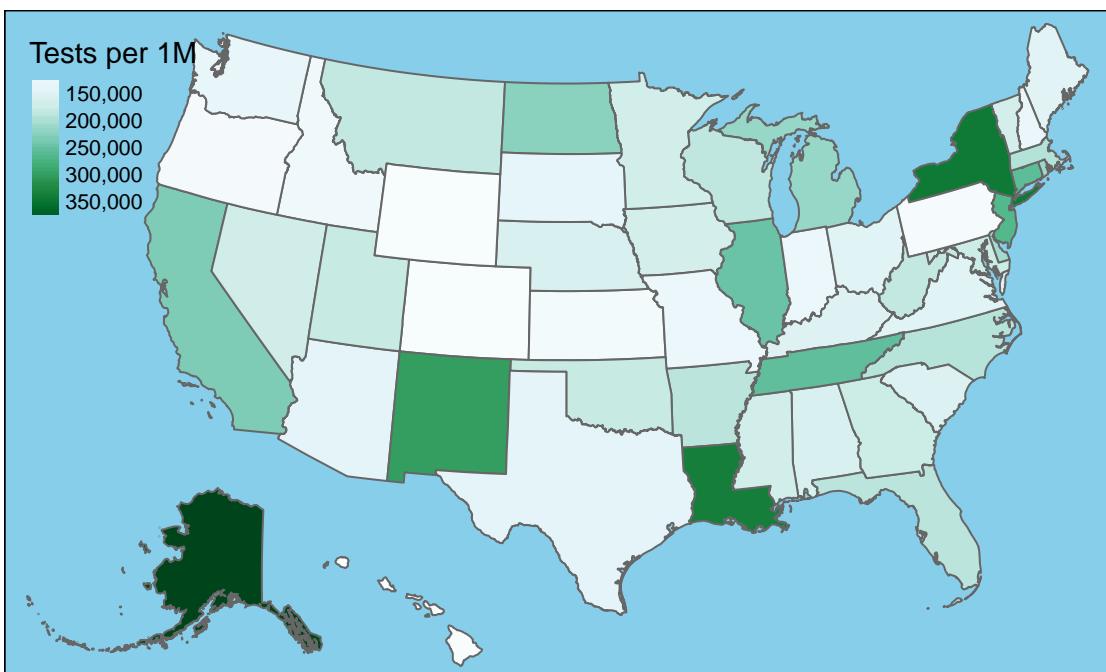


## Testing



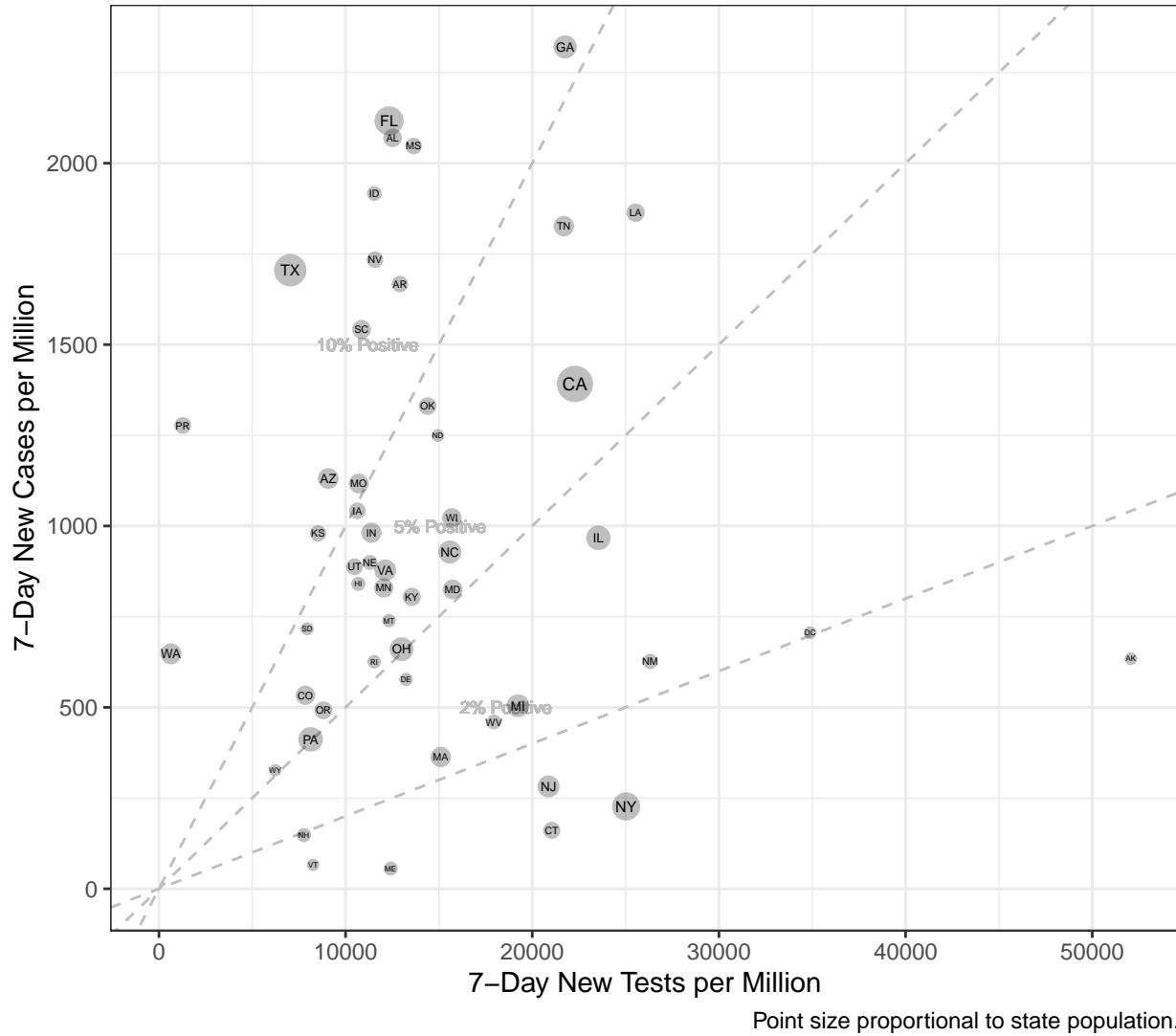
### New Tests by State





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



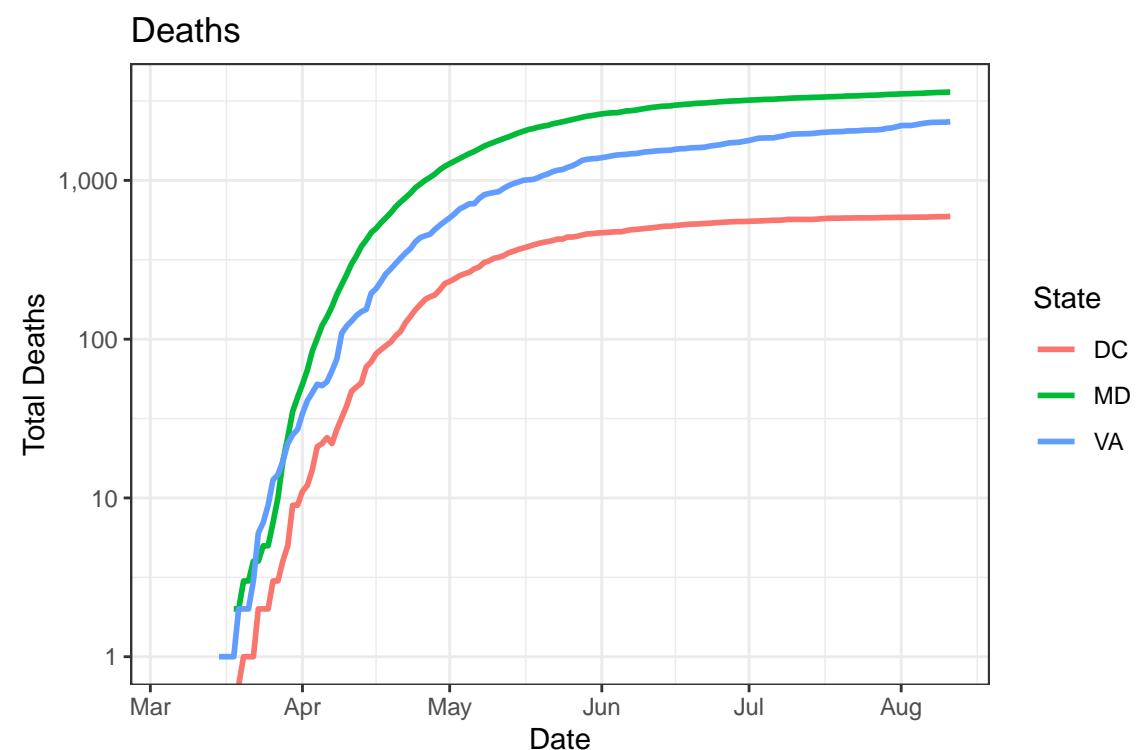
## Local Data

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

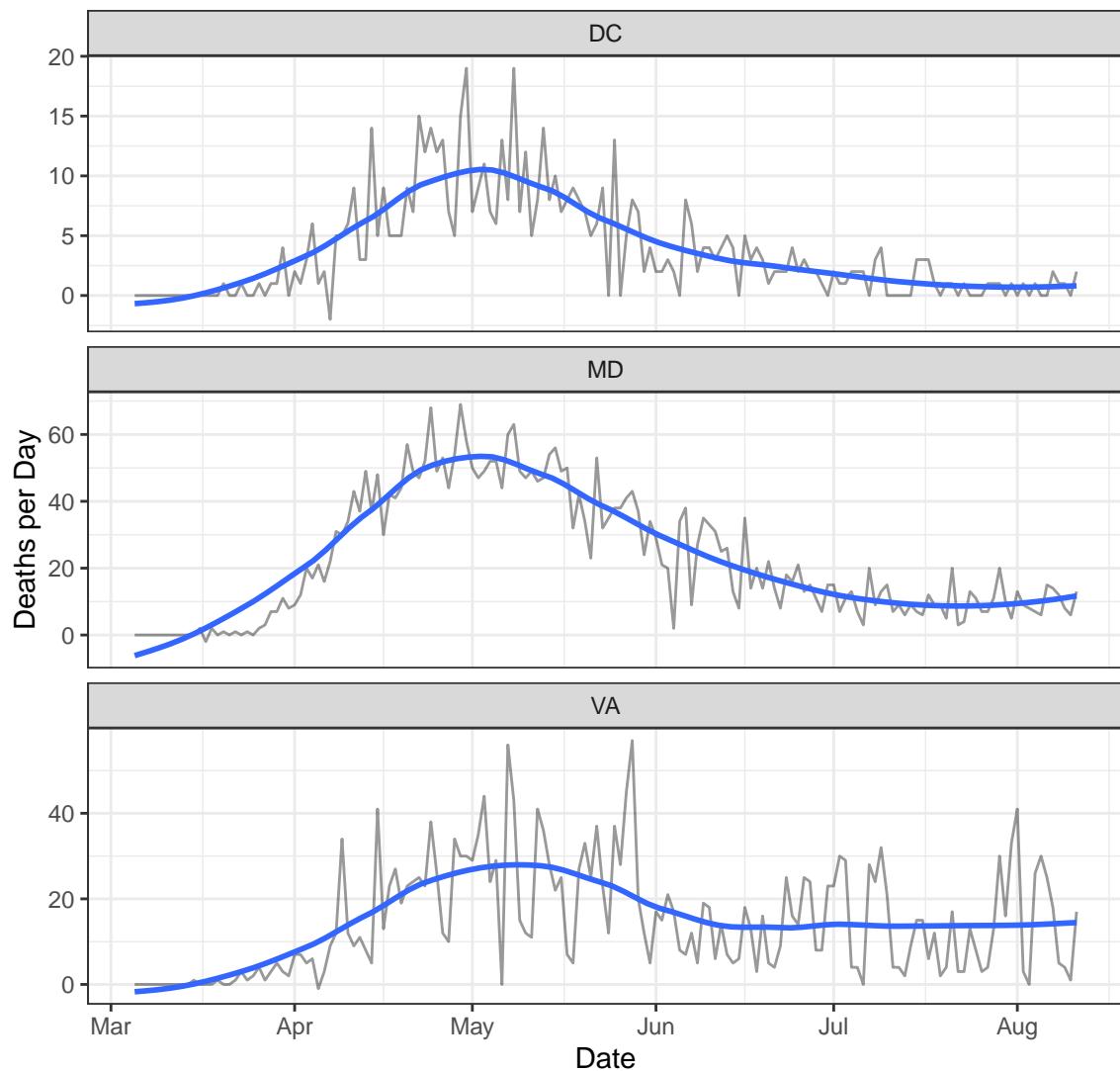
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	12,896	593	89	2
MD	96,843	3,604	585	13
VA	101,745	2,344	996	17

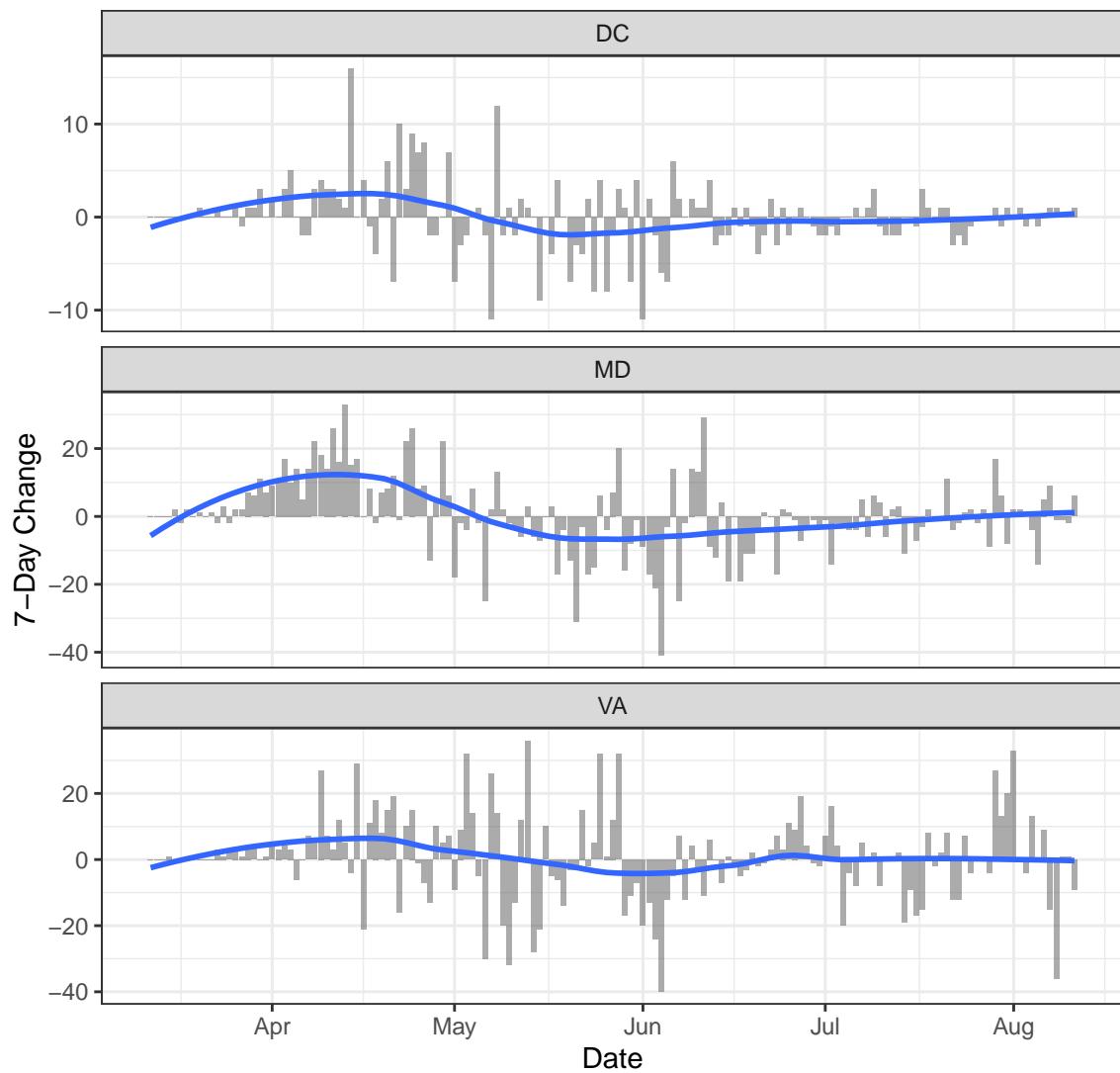
## Deaths

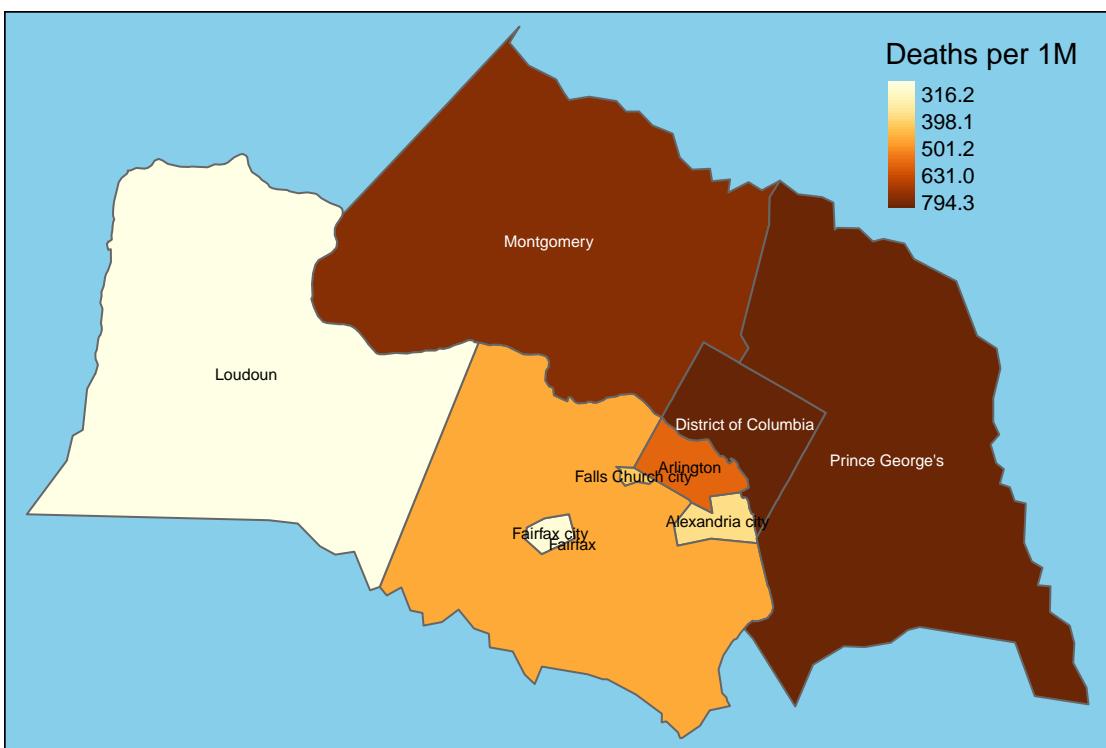
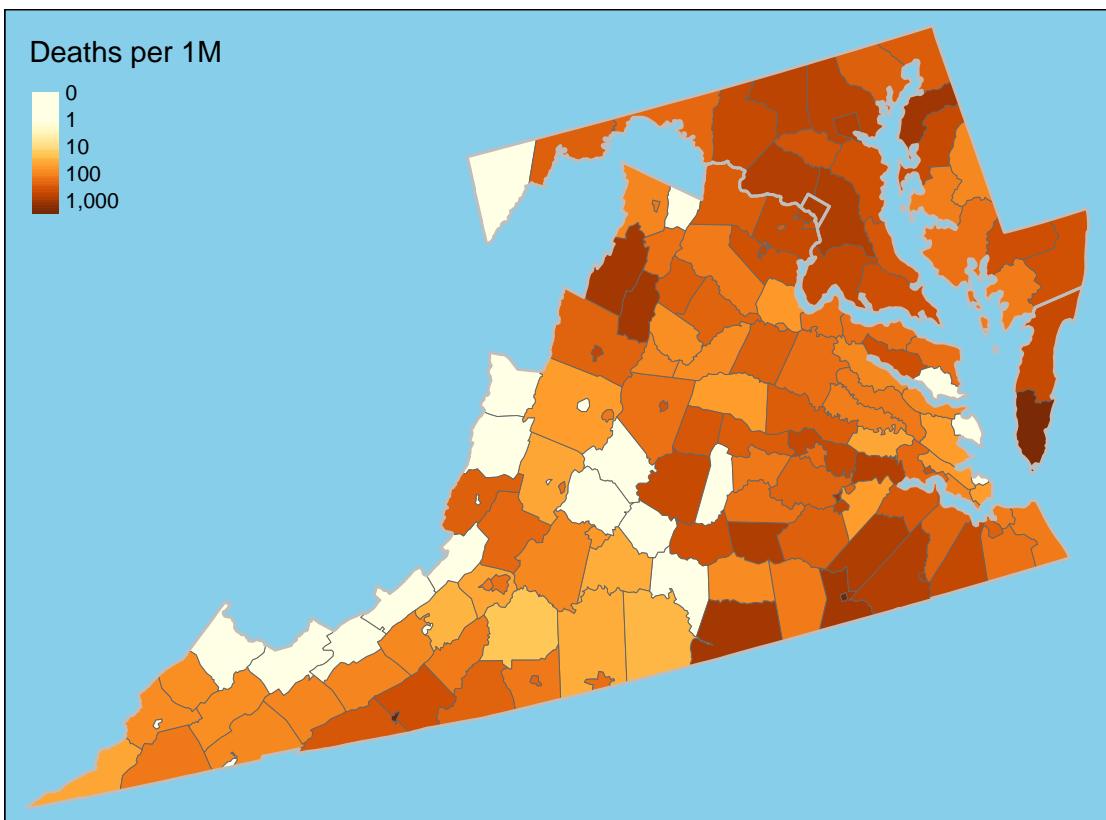


## New Deaths

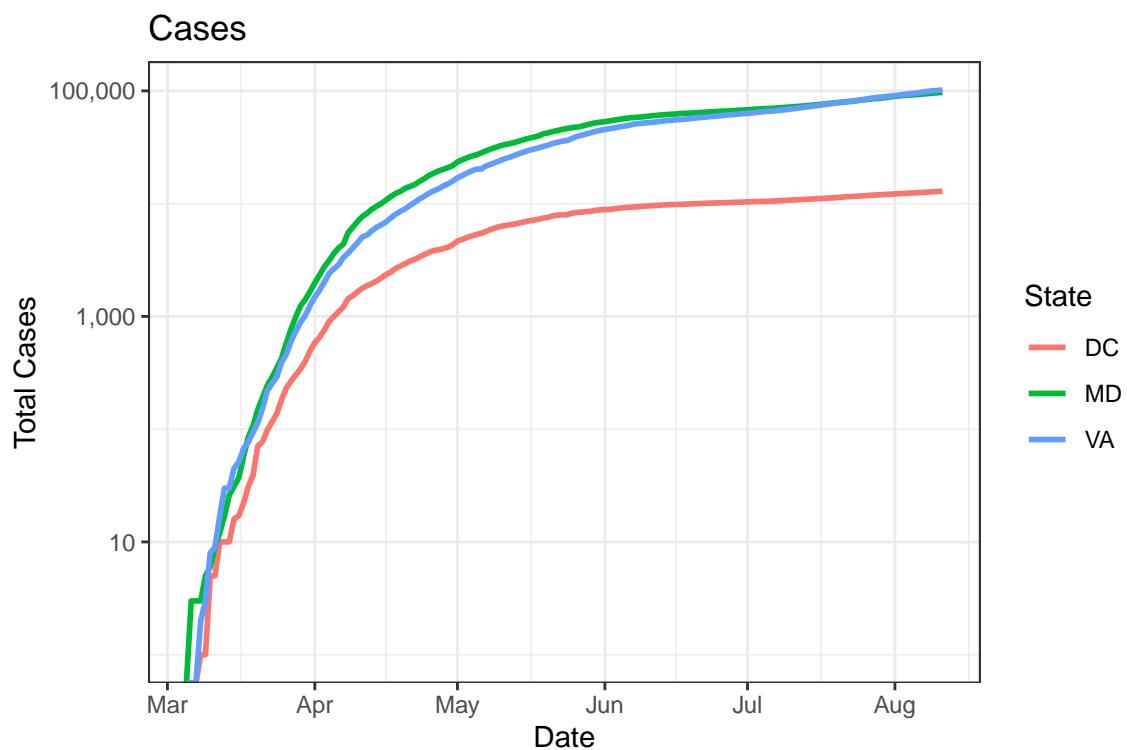


## One-Week Change in Daily Deaths

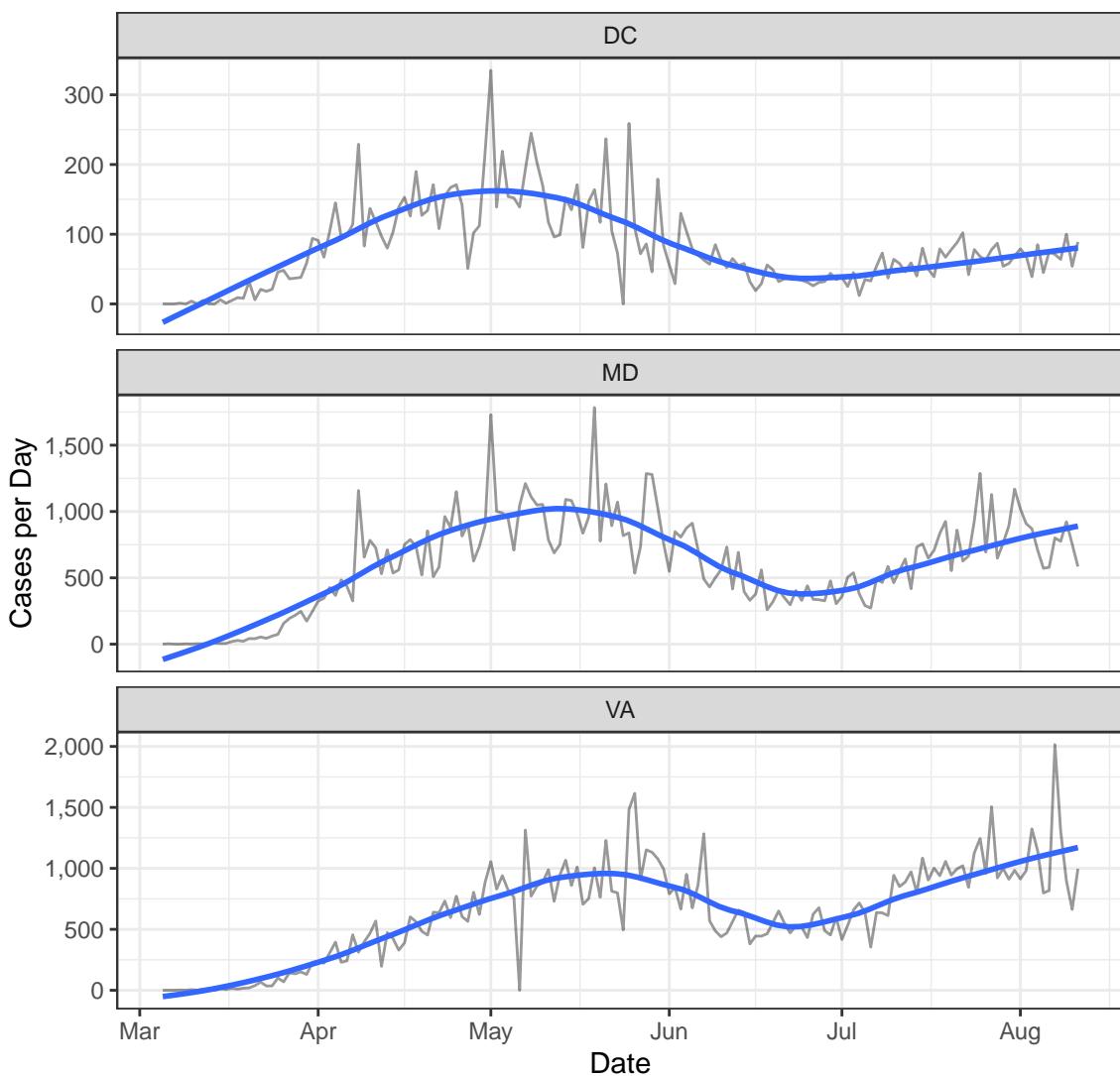




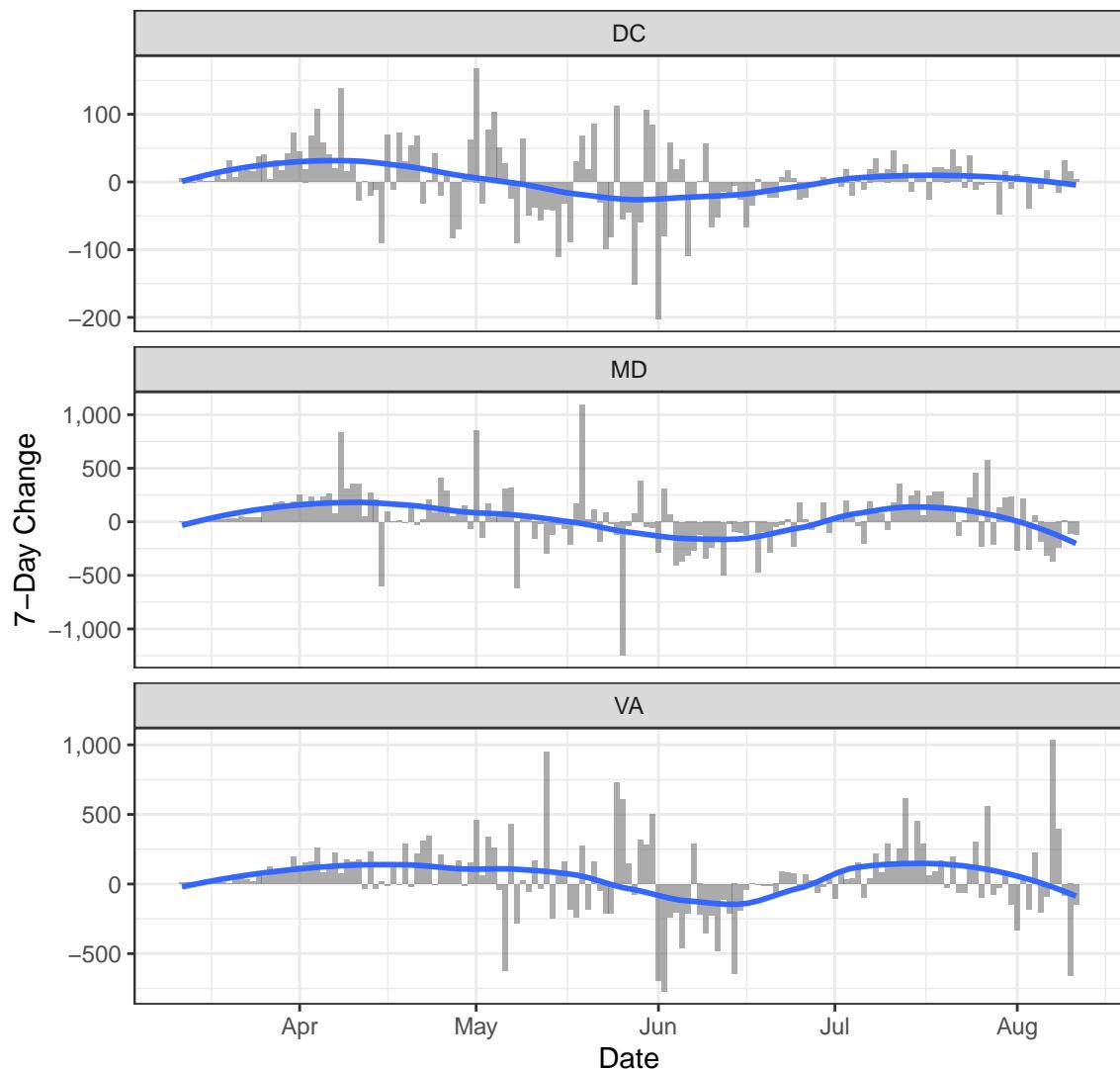
Cases

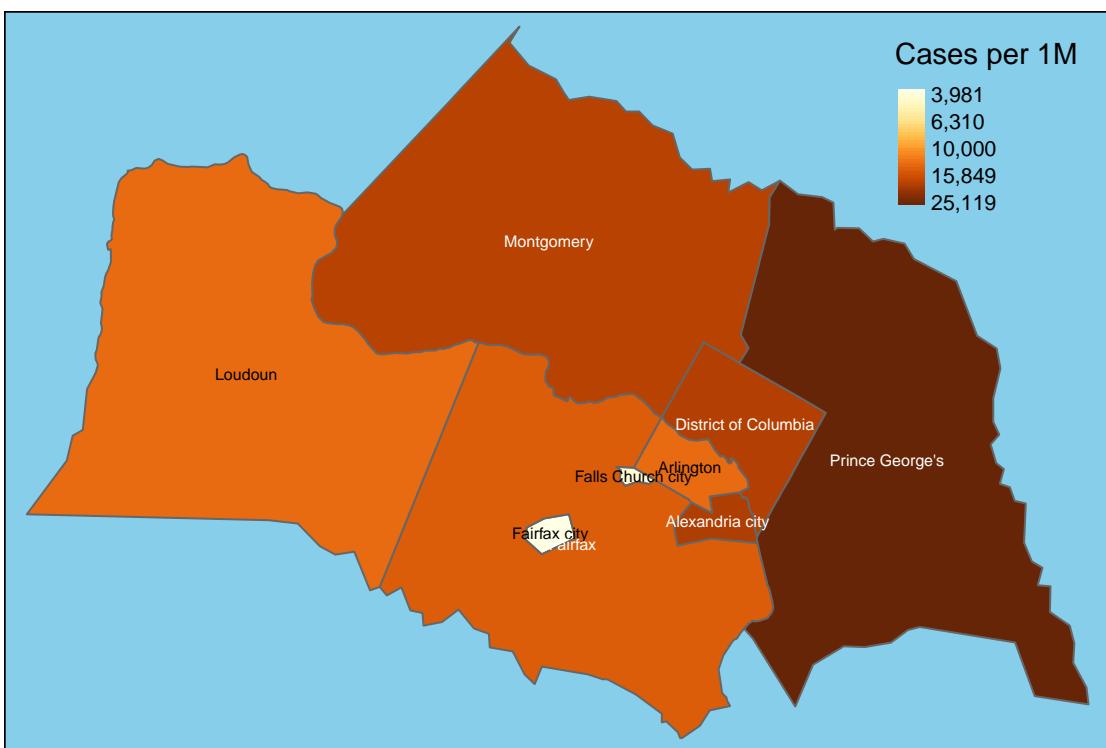
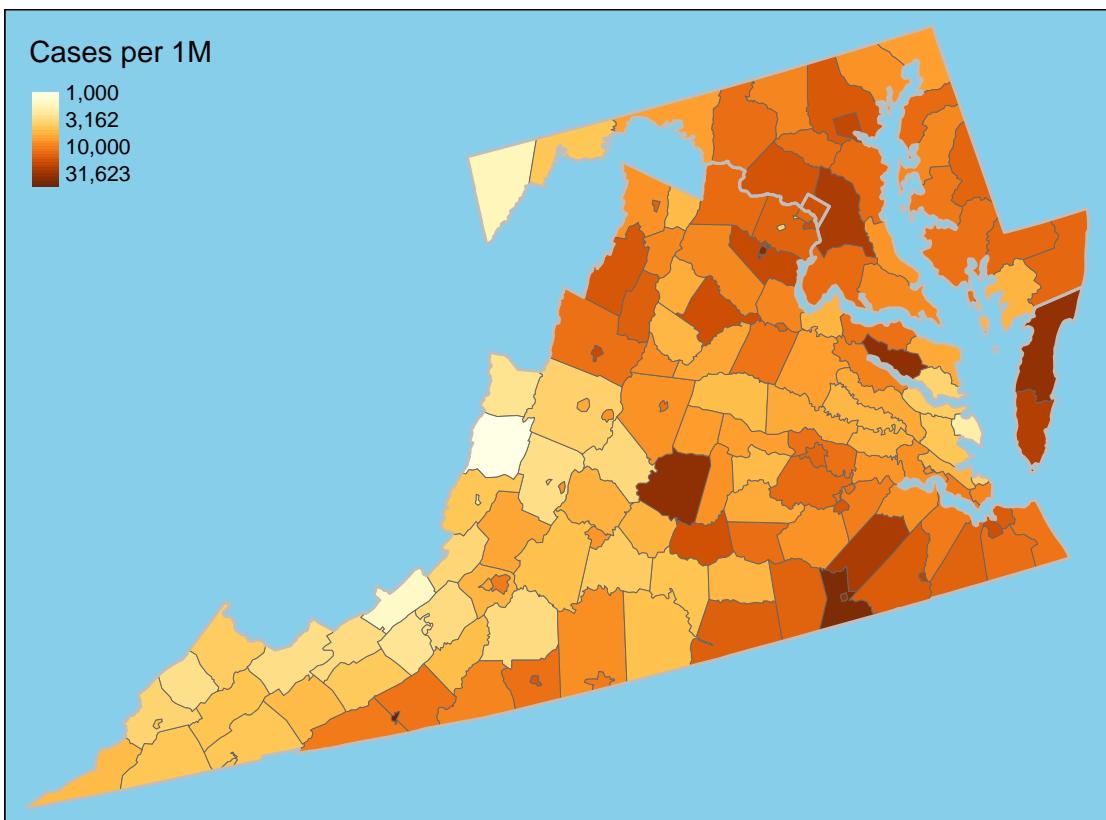


## New Cases

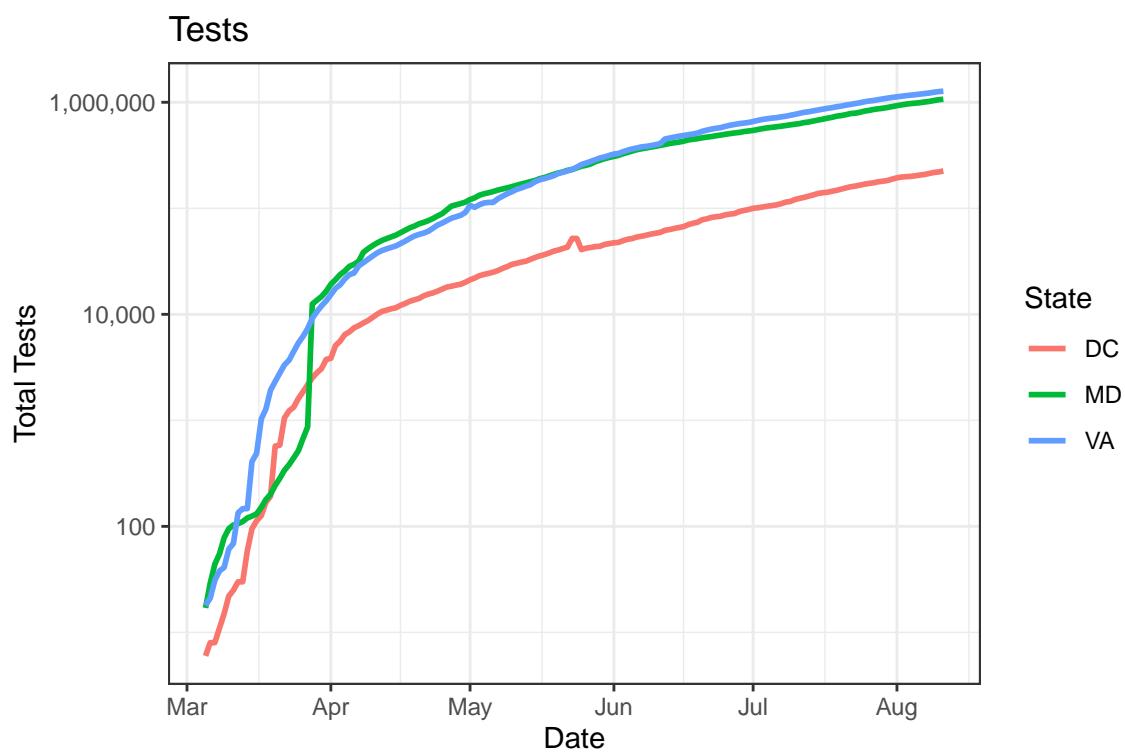


## One-Week Change in Daily Cases

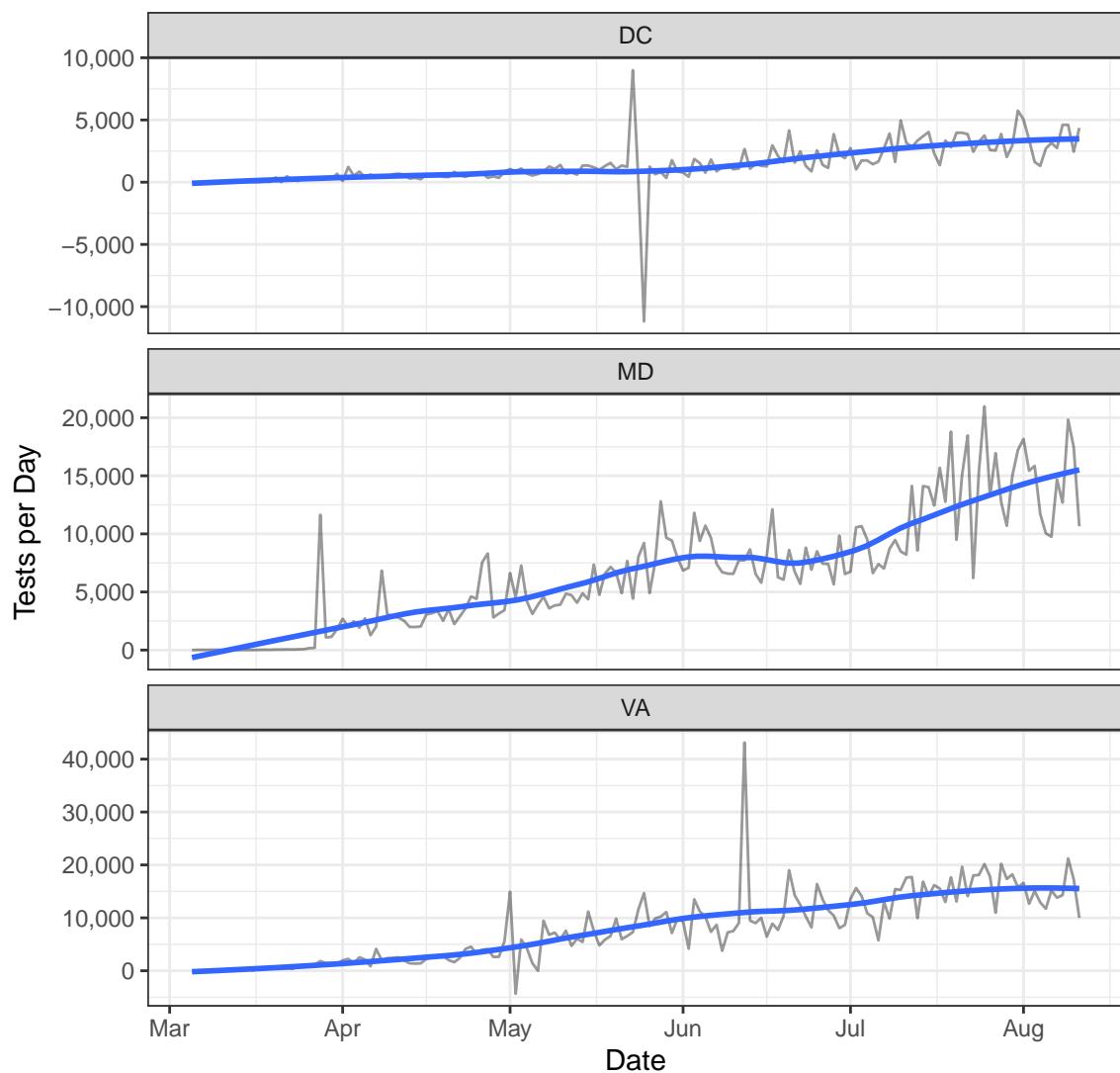




## Testing



## New Tests



## Positive Test Rate

