

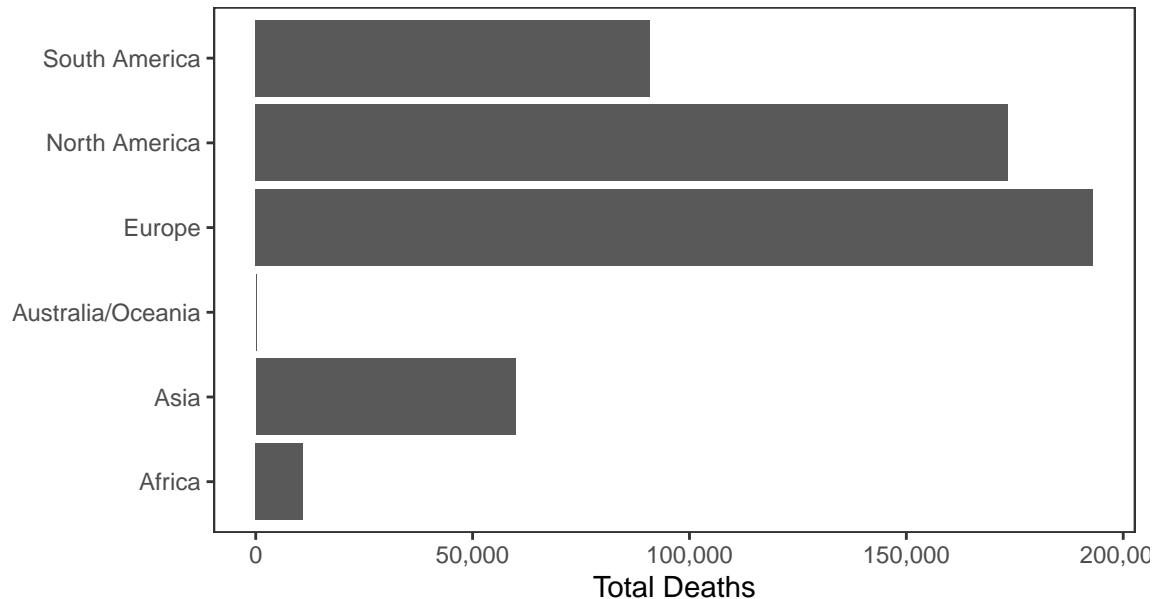
# Erik's Covid-19 Chart Pack

Data updated 2020-07-04 19:51:14. 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 11,182,576 confirmed Covid-19 cases and 528,372 deaths worldwide.

**Deaths**



**Cases**

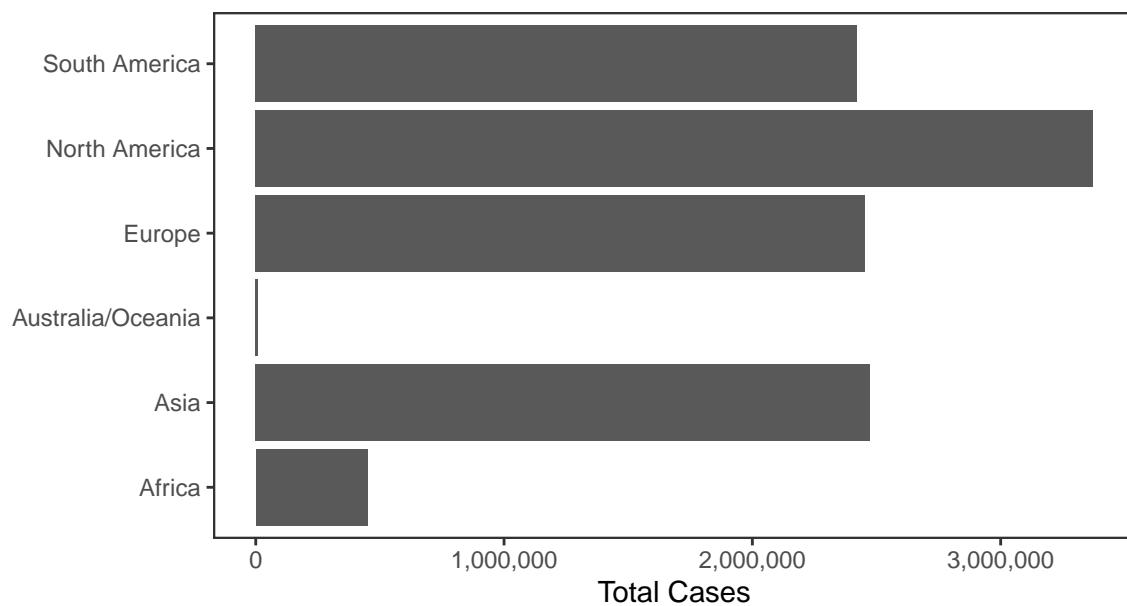
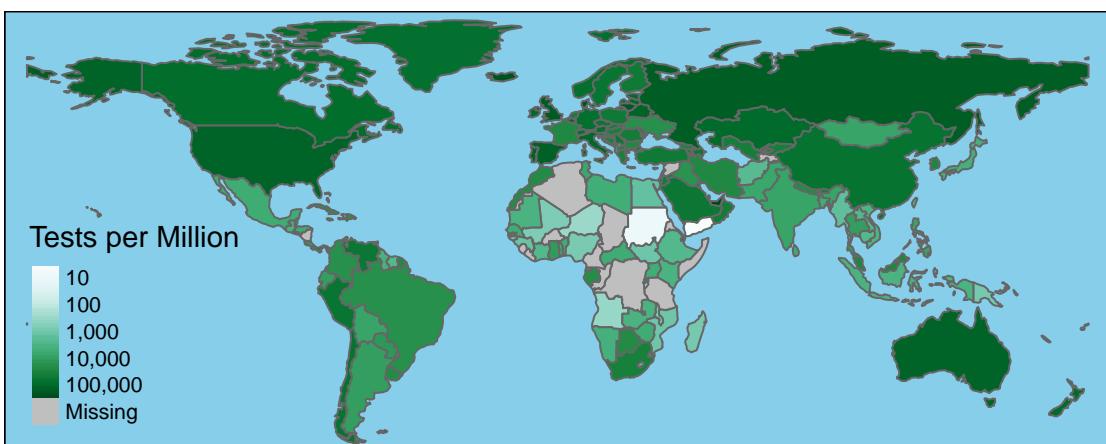
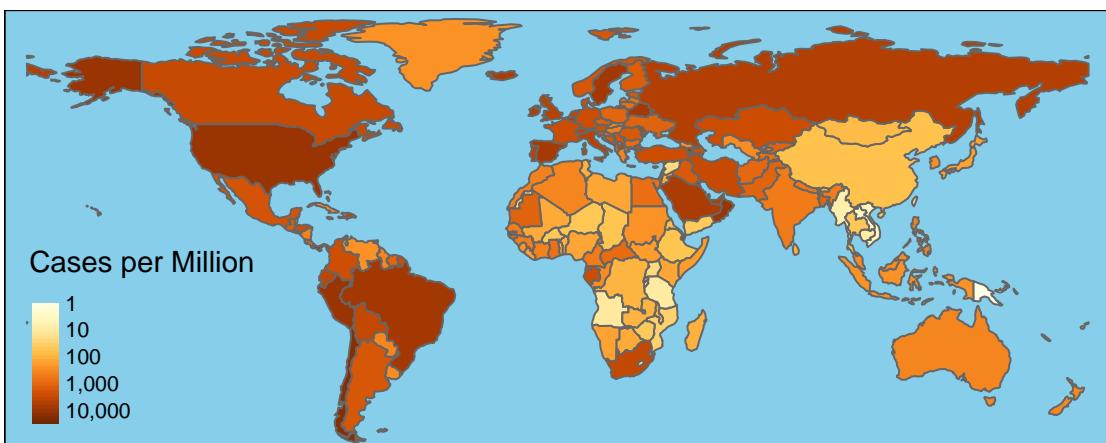
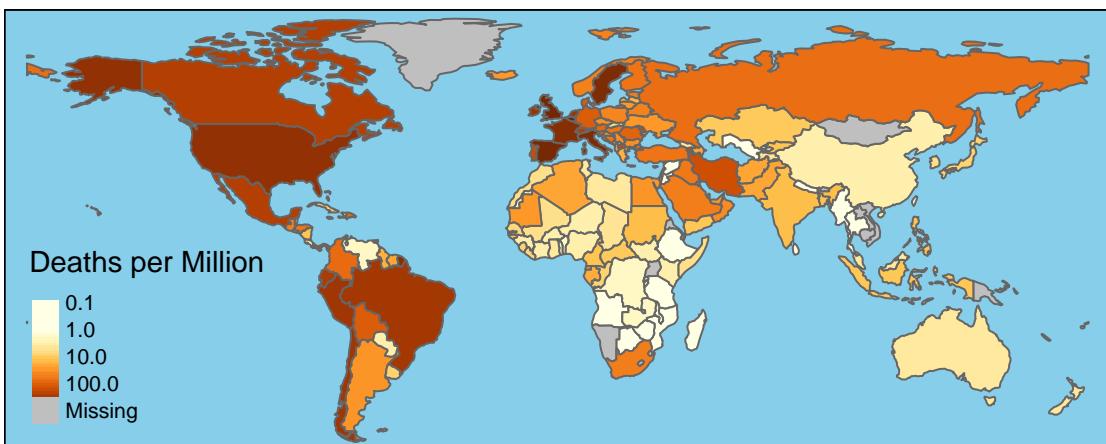


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,890,588	132,064	54,904	616
Brazil	1,543,341	63,254	41,988	1,264
Russia	667,883	9,859	6,718	176
India	649,889	18,669	22,721	444
Spain	297,625	28,385	442	17
Peru	295,599	10,226	3,595	181
Chile	288,089	6,051	3,548	131
UK	284,276	44,131	519	136
Italy	241,184	34,833	223	15
Mexico	238,511	29,189	6,741	679
Iran	235,429	11,260	2,566	154
Pakistan	221,896	4,551	4,087	78
Turkey	203,456	5,186	1,172	19
Saudi Arabia	201,801	1,802	4,193	50
Germany	197,000	9,073	283	9
South Africa	177,124	2,952	9,063	108
France	166,960	29,893	582	18
Bangladesh	156,391	1,968	3,114	42
Colombia	109,505	3,777	3,395	136
Canada	105,091	8,663	319	21



## National Data

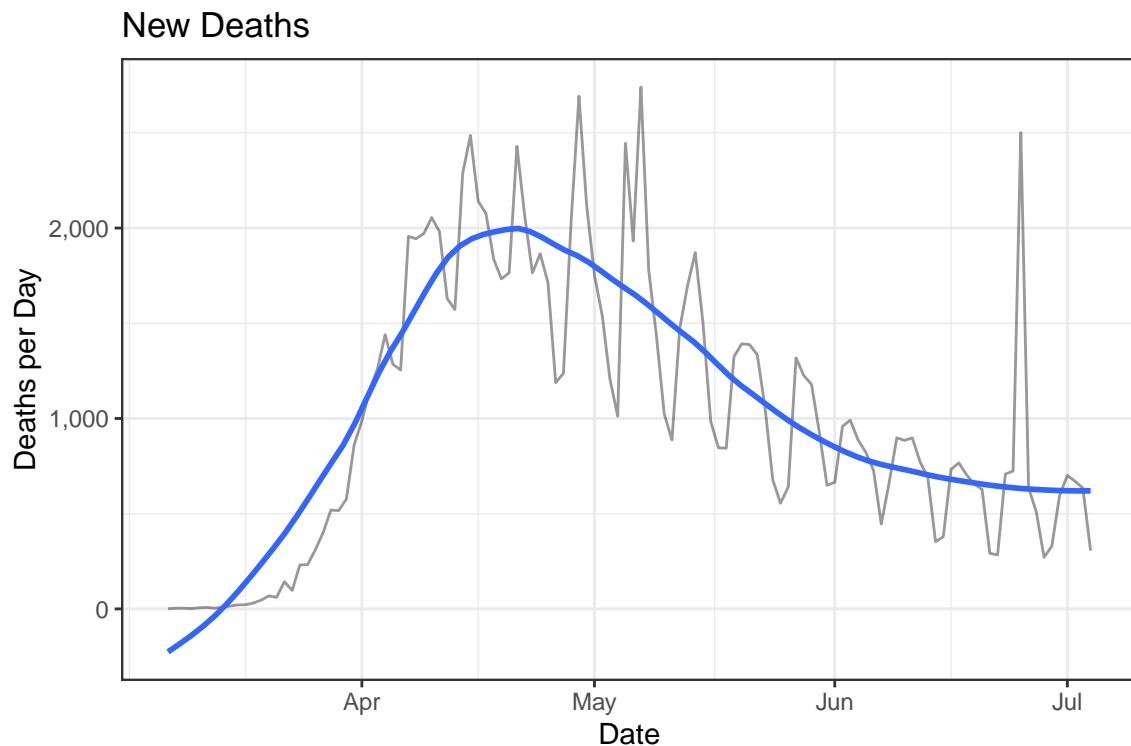
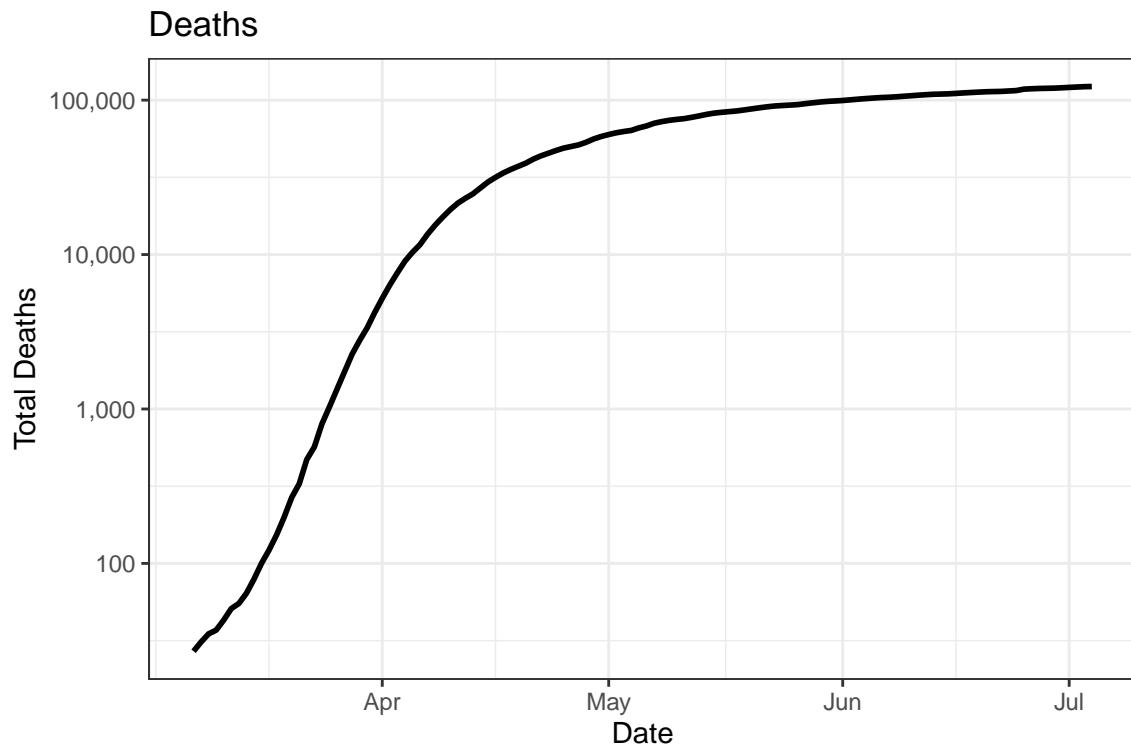
There have been 2,838,465 confirmed Covid-19 cases and 122,464 deaths in the United States.

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

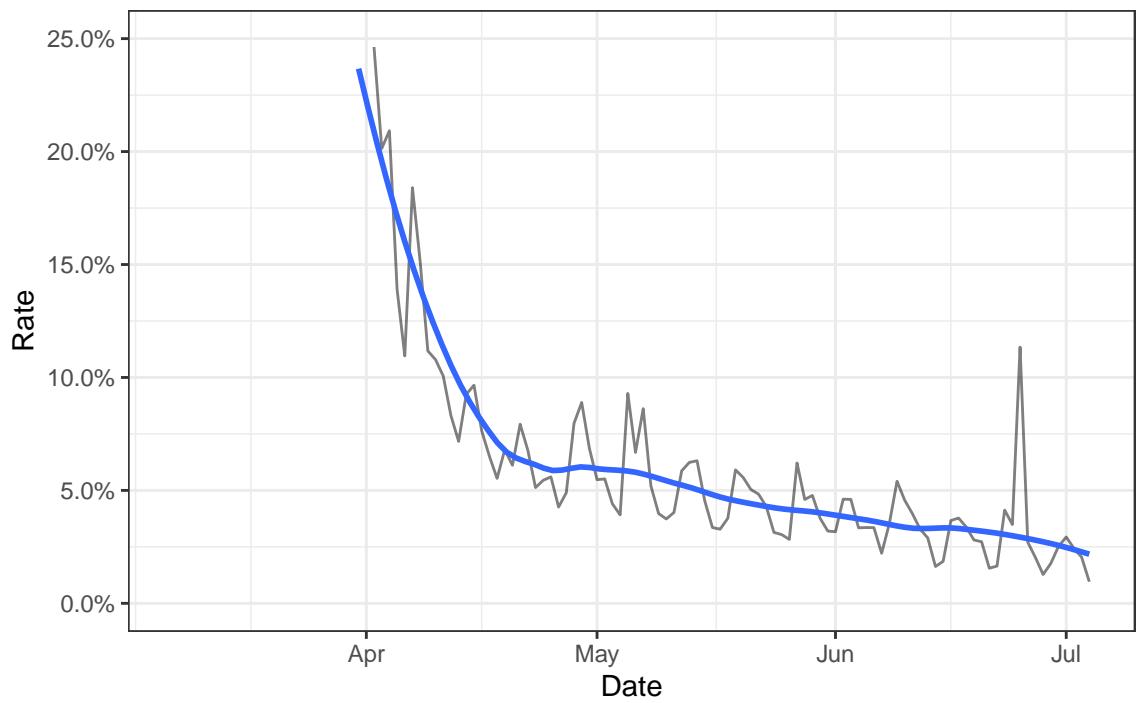
Date	Cases	Deaths	New Cases	New Deaths
2020-07-04	2,838,465	122,464	52,406	306
2020-07-03	2,786,059	122,158	57,562	635
2020-07-02	2,728,497	121,523	53,684	670
2020-07-01	2,674,813	120,853	52,982	701
2020-06-30	2,621,831	120,152	44,358	596
2020-06-29	2,577,473	119,556	36,490	330
2020-06-28	2,540,983	119,226	42,161	271
2020-06-27	2,498,822	118,955	43,471	509
2020-06-26	2,455,351	118,446	44,373	636
2020-06-25	2,410,978	117,810	39,061	2,501
2020-06-24	2,371,917	115,309	38,706	724
2020-06-23	2,333,211	114,585	33,018	708
2020-06-22	2,300,193	113,877	27,080	283
2020-06-21	2,273,113	113,594	27,257	292

## Deaths

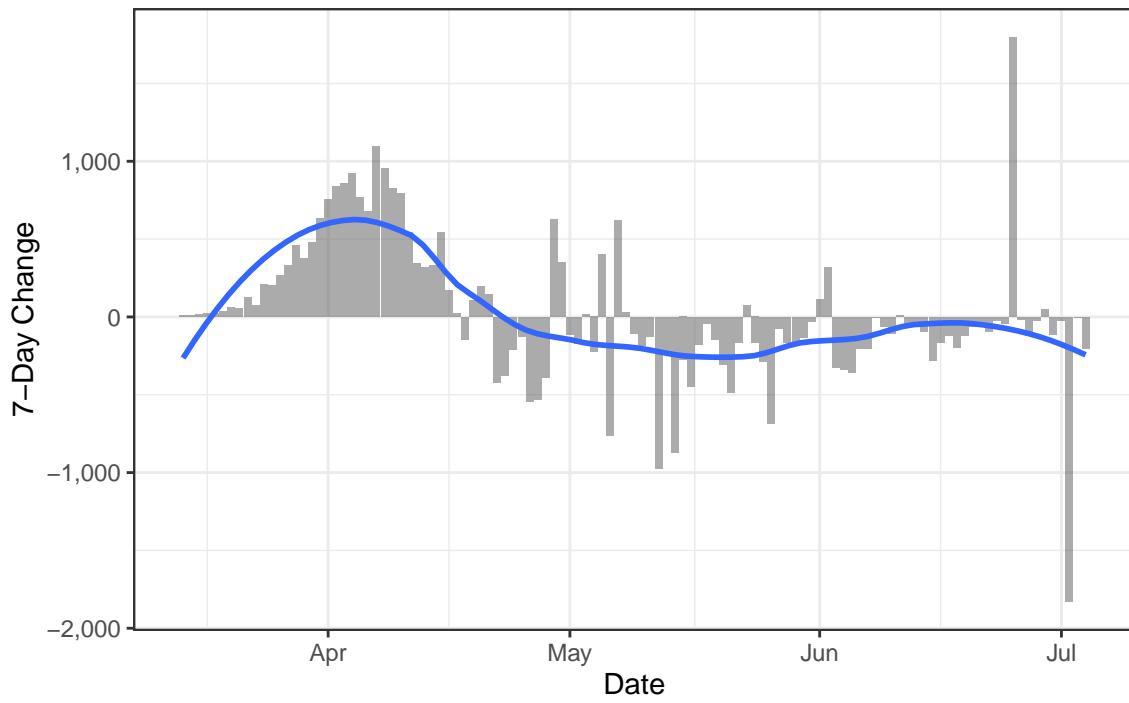
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

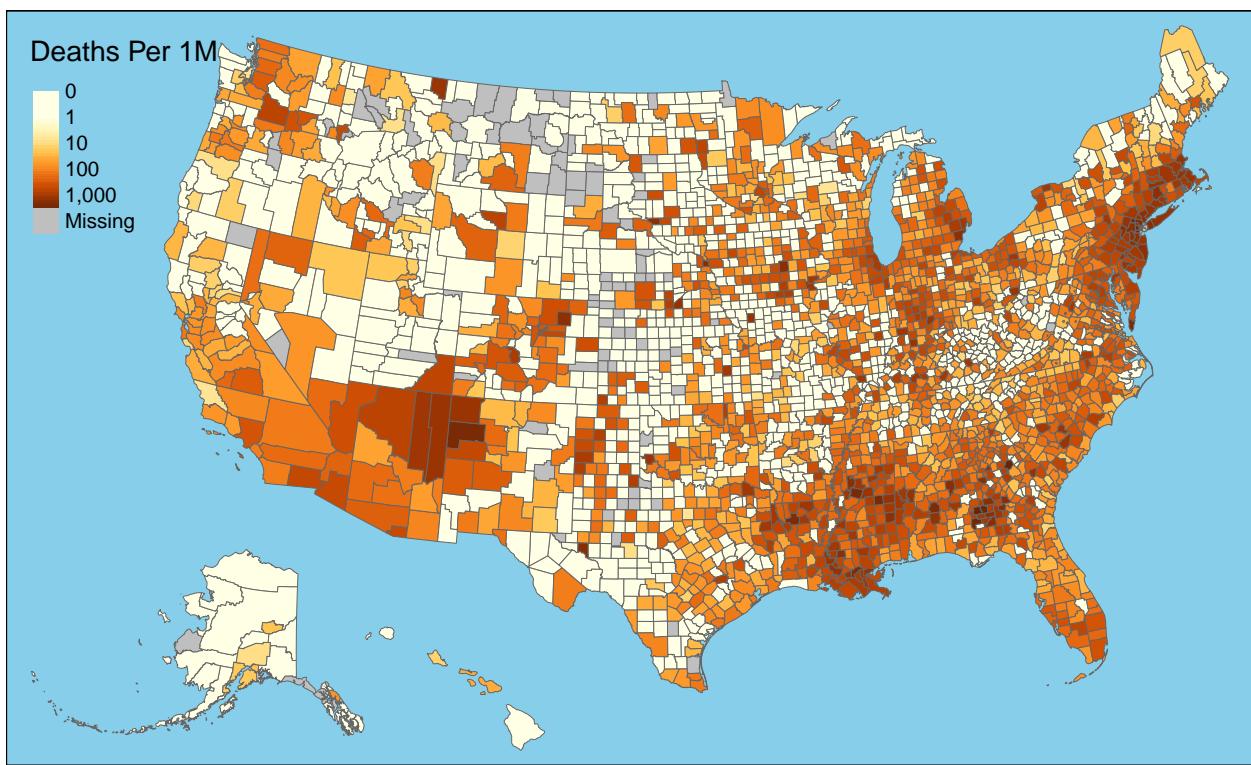


Daily Case Mortality Rate



One-Week Change in Daily Deaths

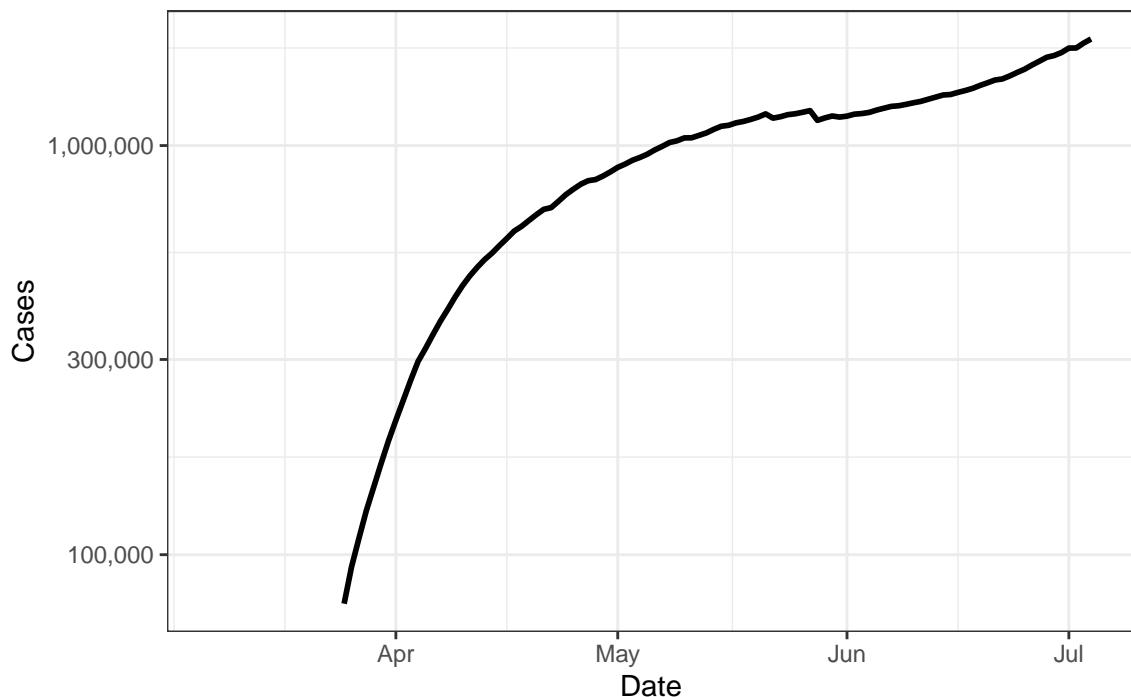




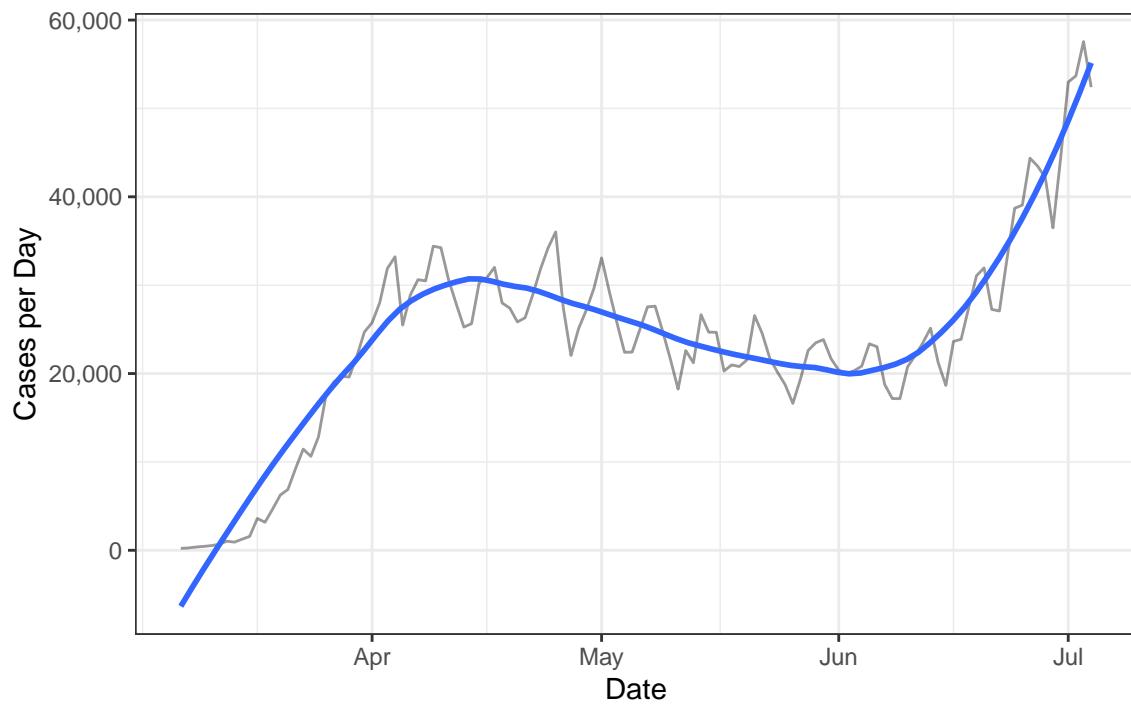
## Cases

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

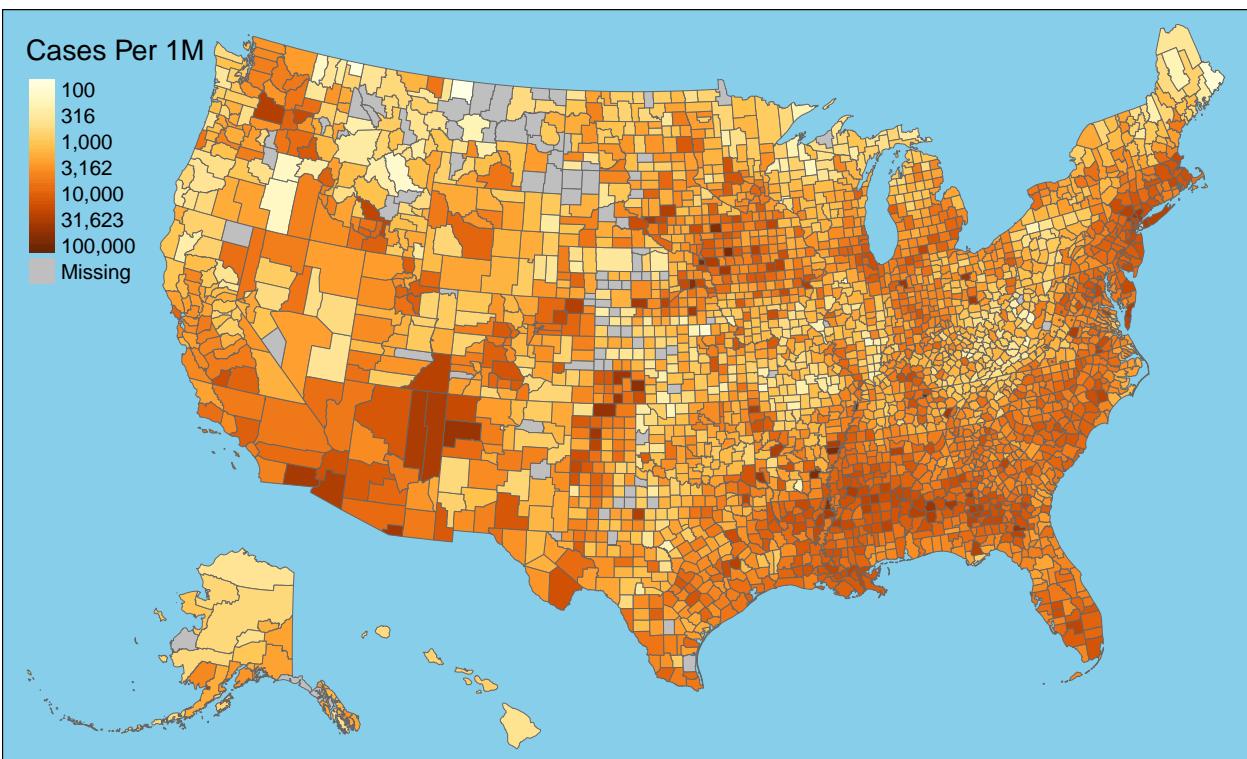
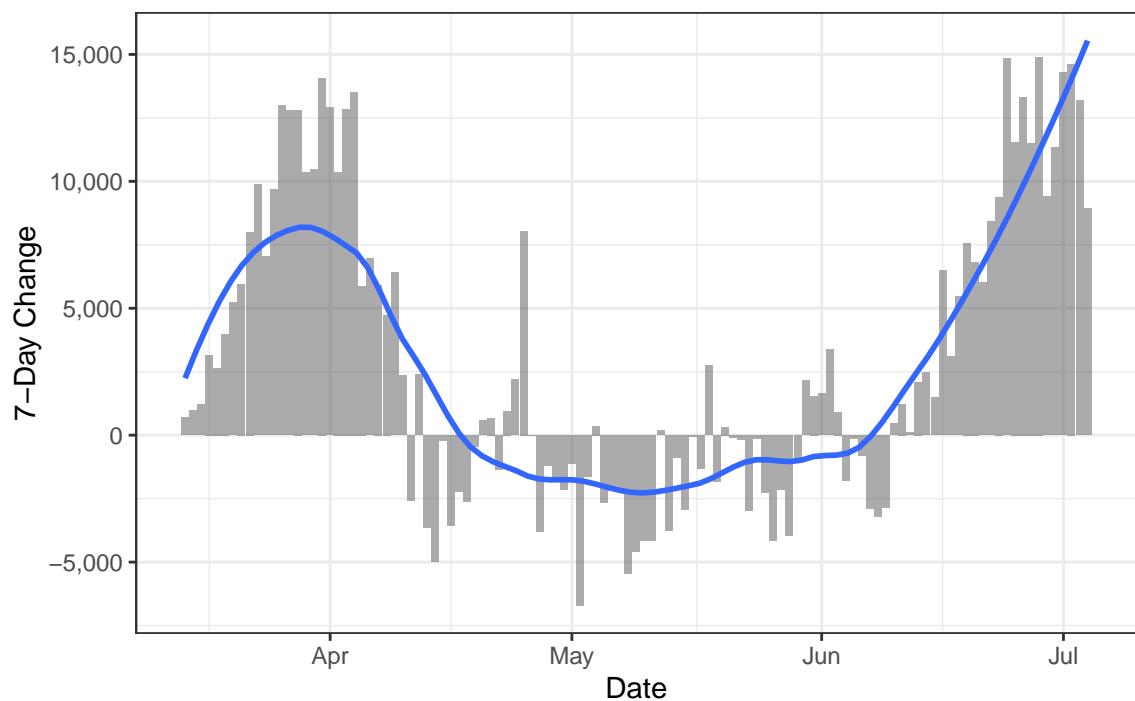
### Active Cases



### New Cases



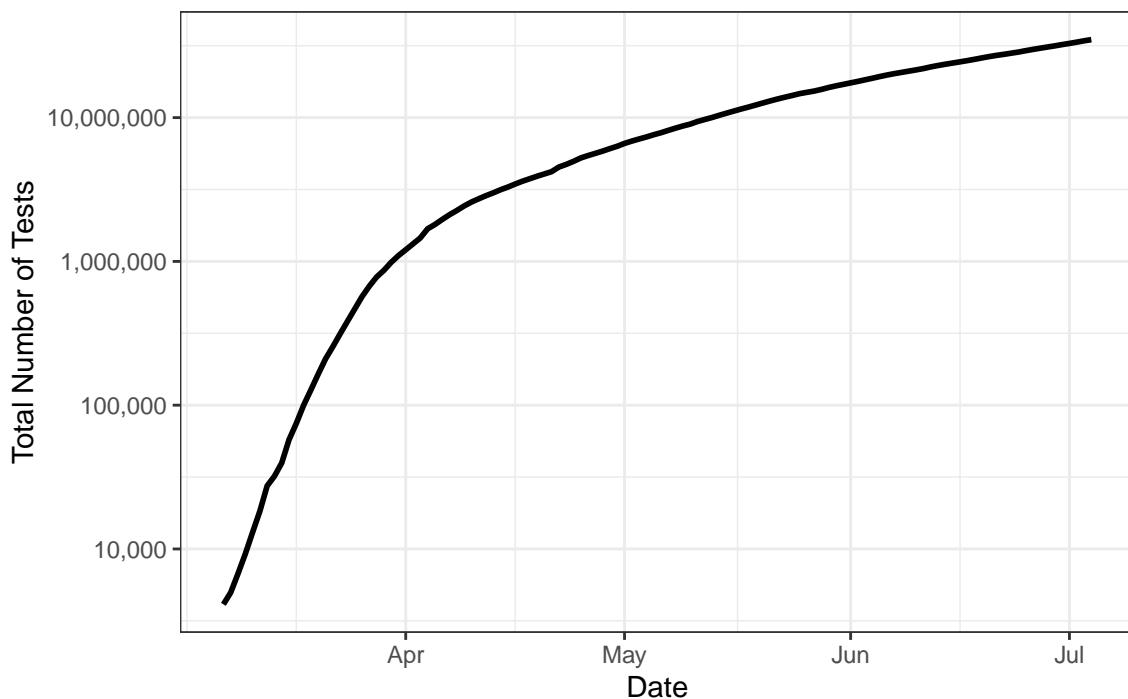
## One-Week Change in Daily Cases



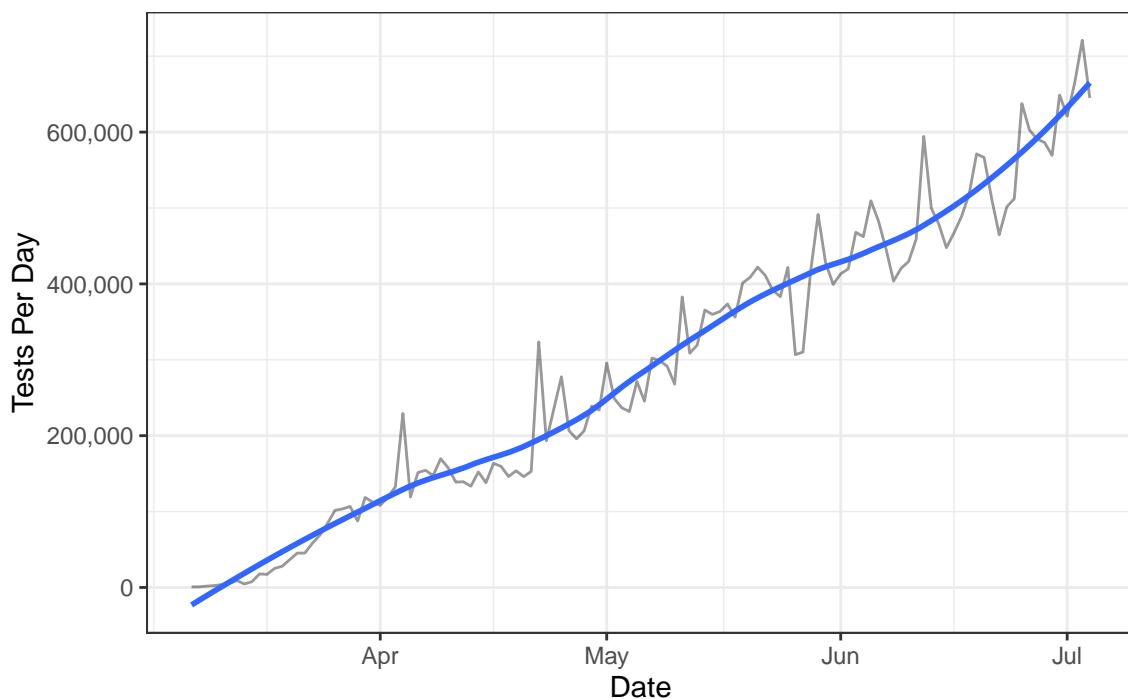
## Testing

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.

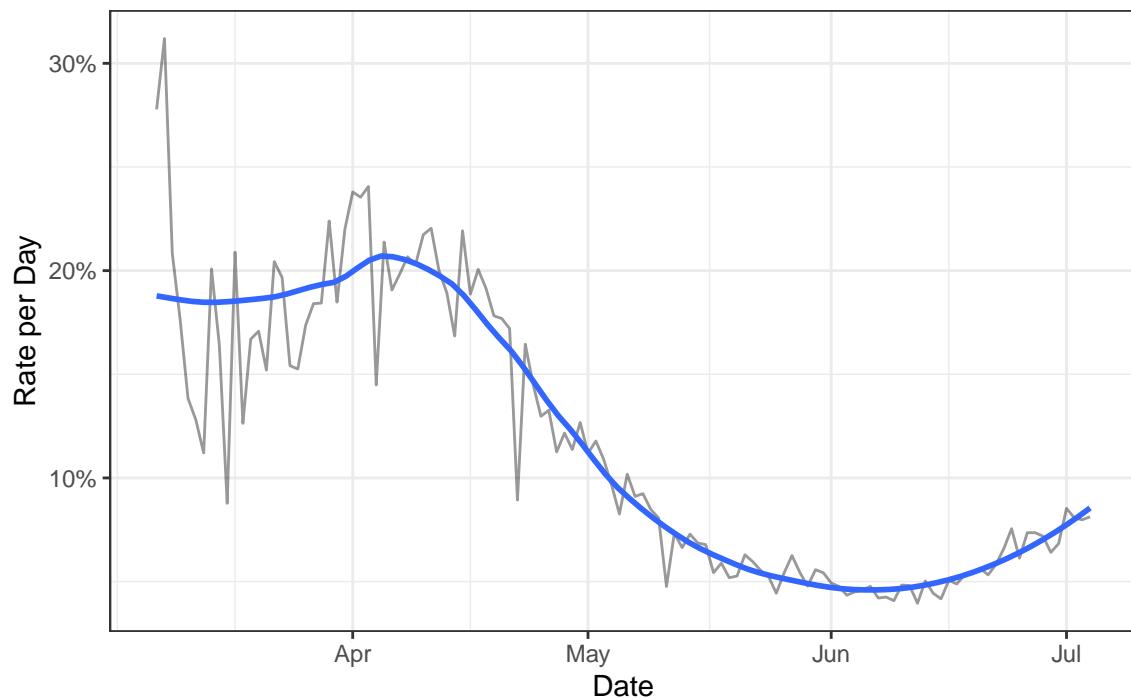
Tests



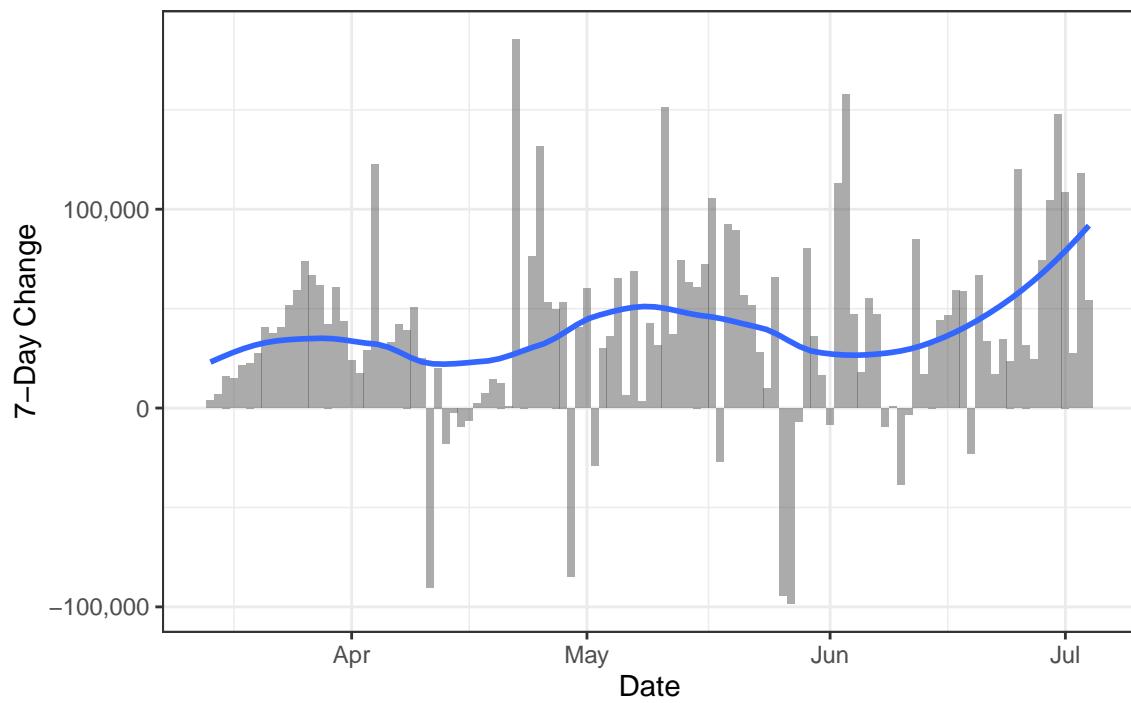
New Tests



### Positive Test Rate



### One-Week Change in Daily Tests

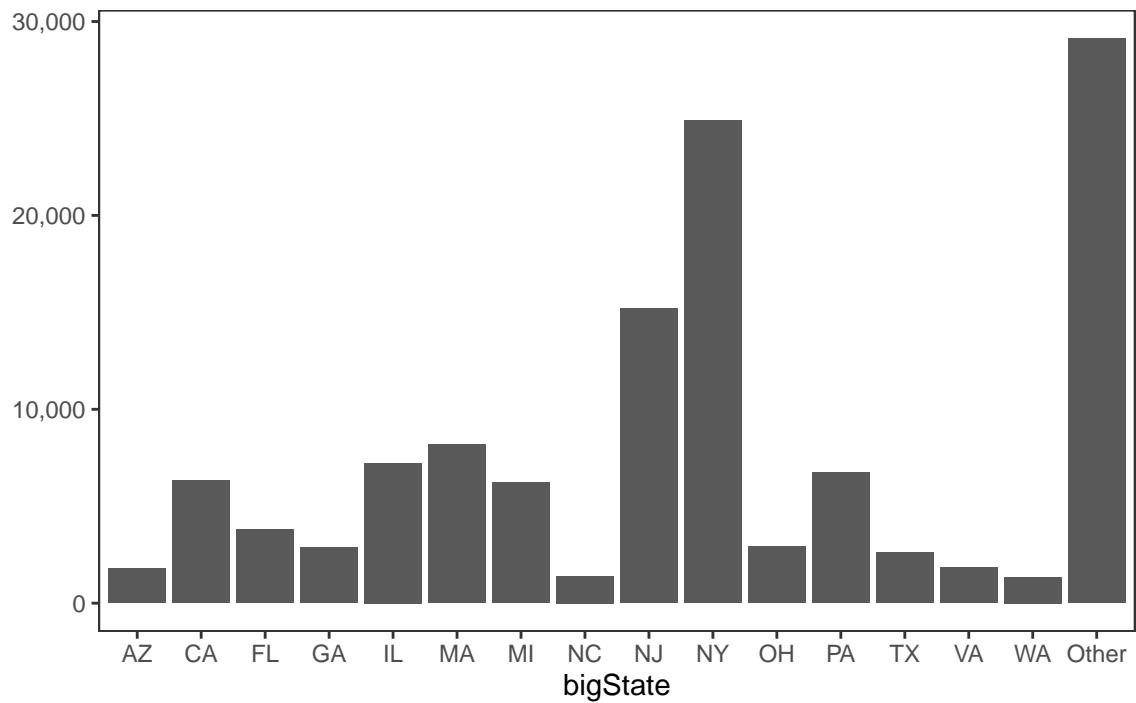


## State Data

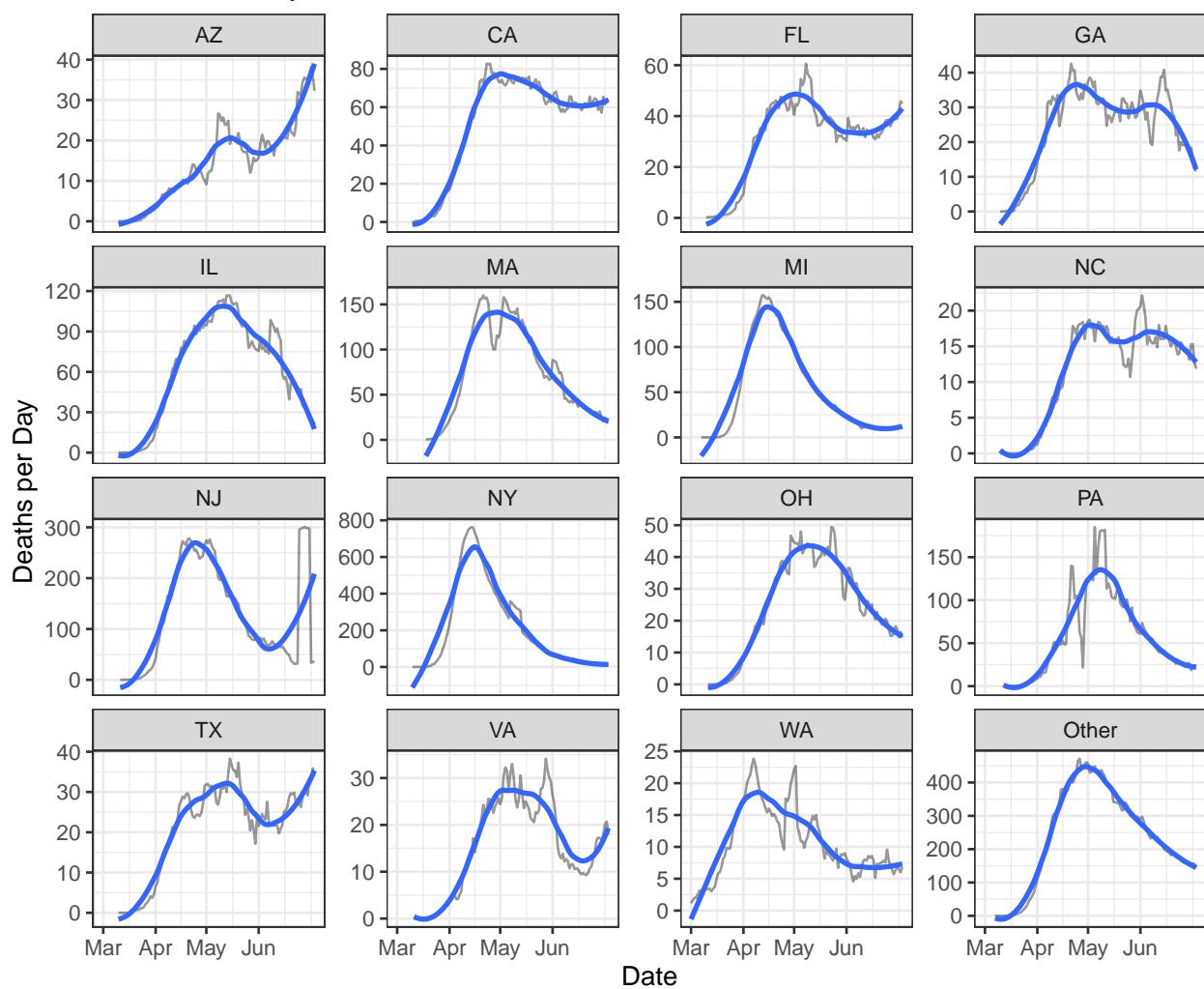
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

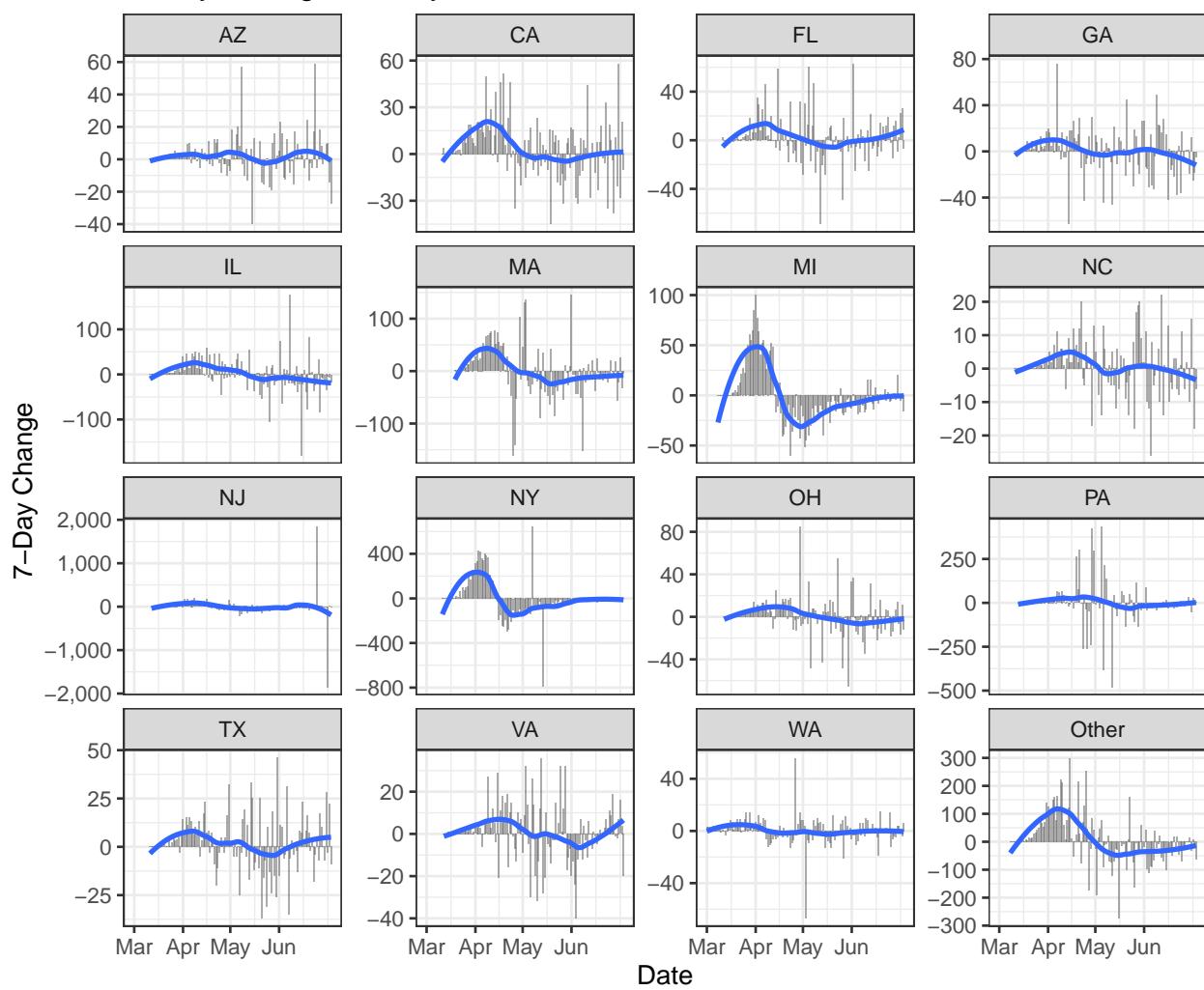
Deaths by State

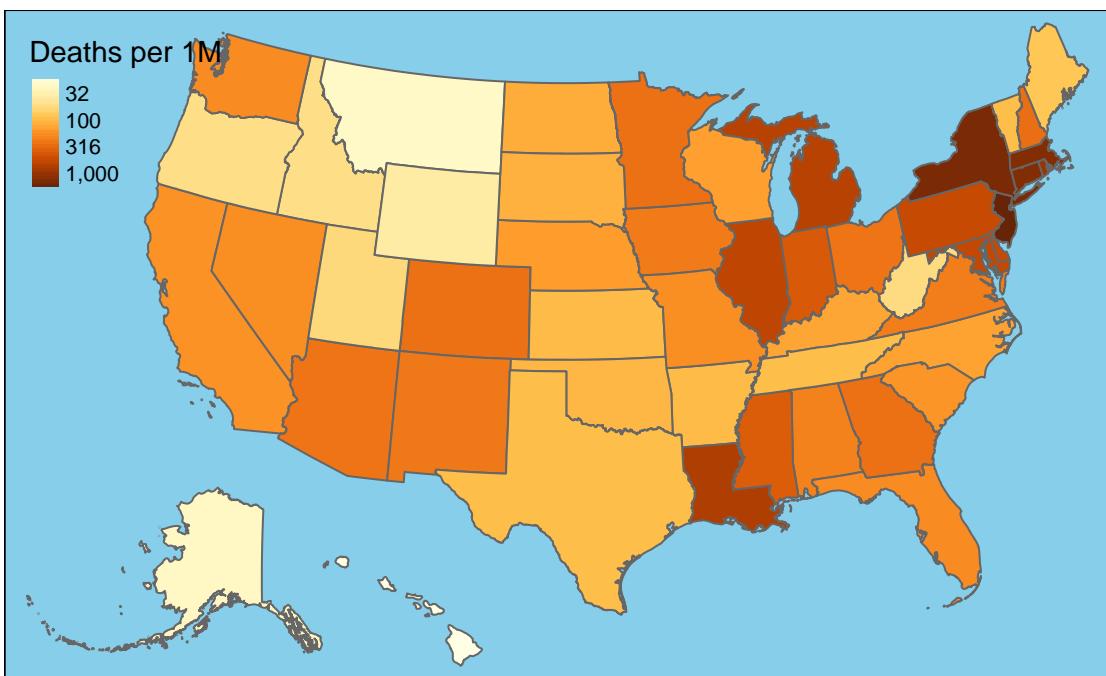
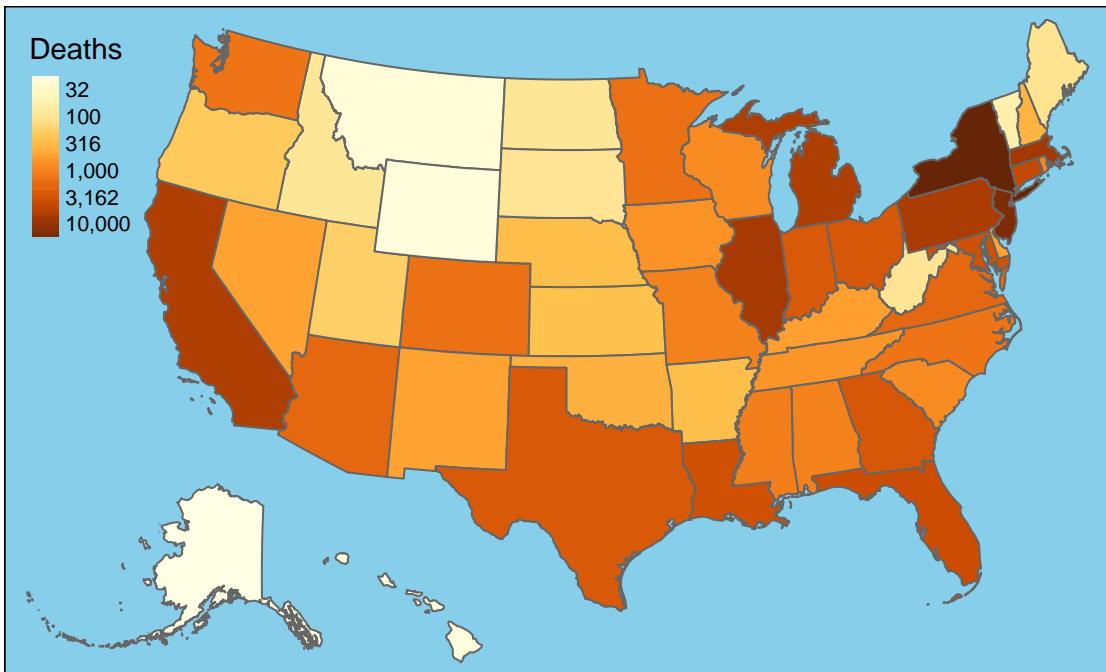


## New Deaths by State



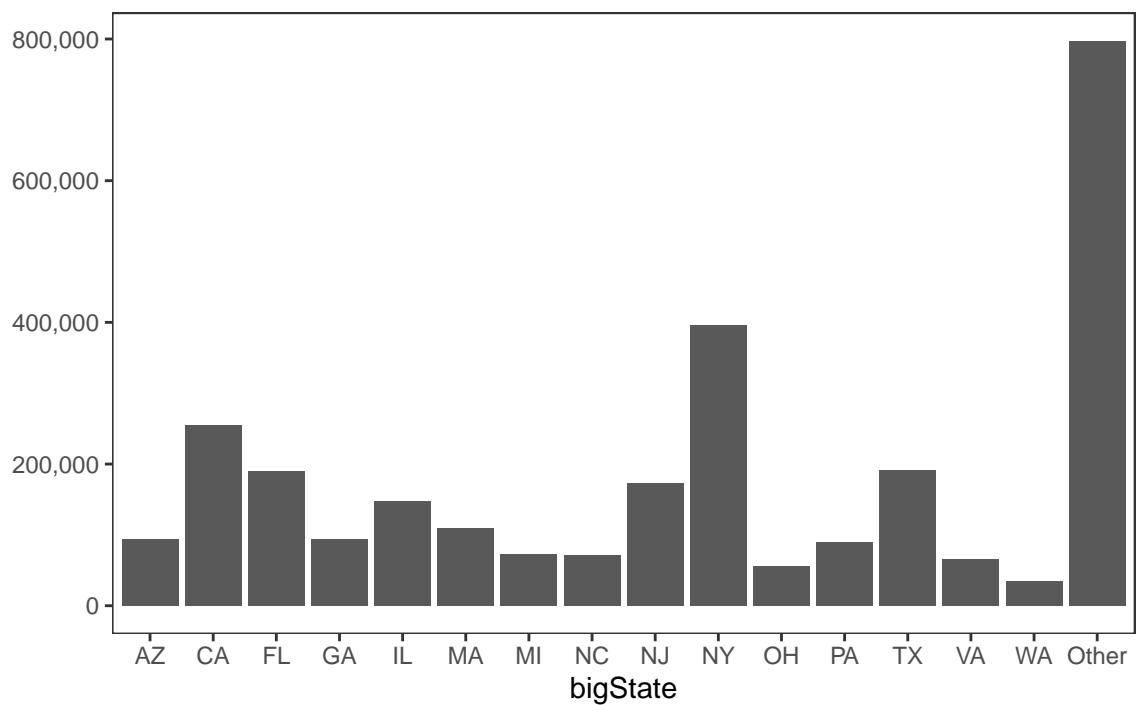
### 7-Day Change in Daily Deaths



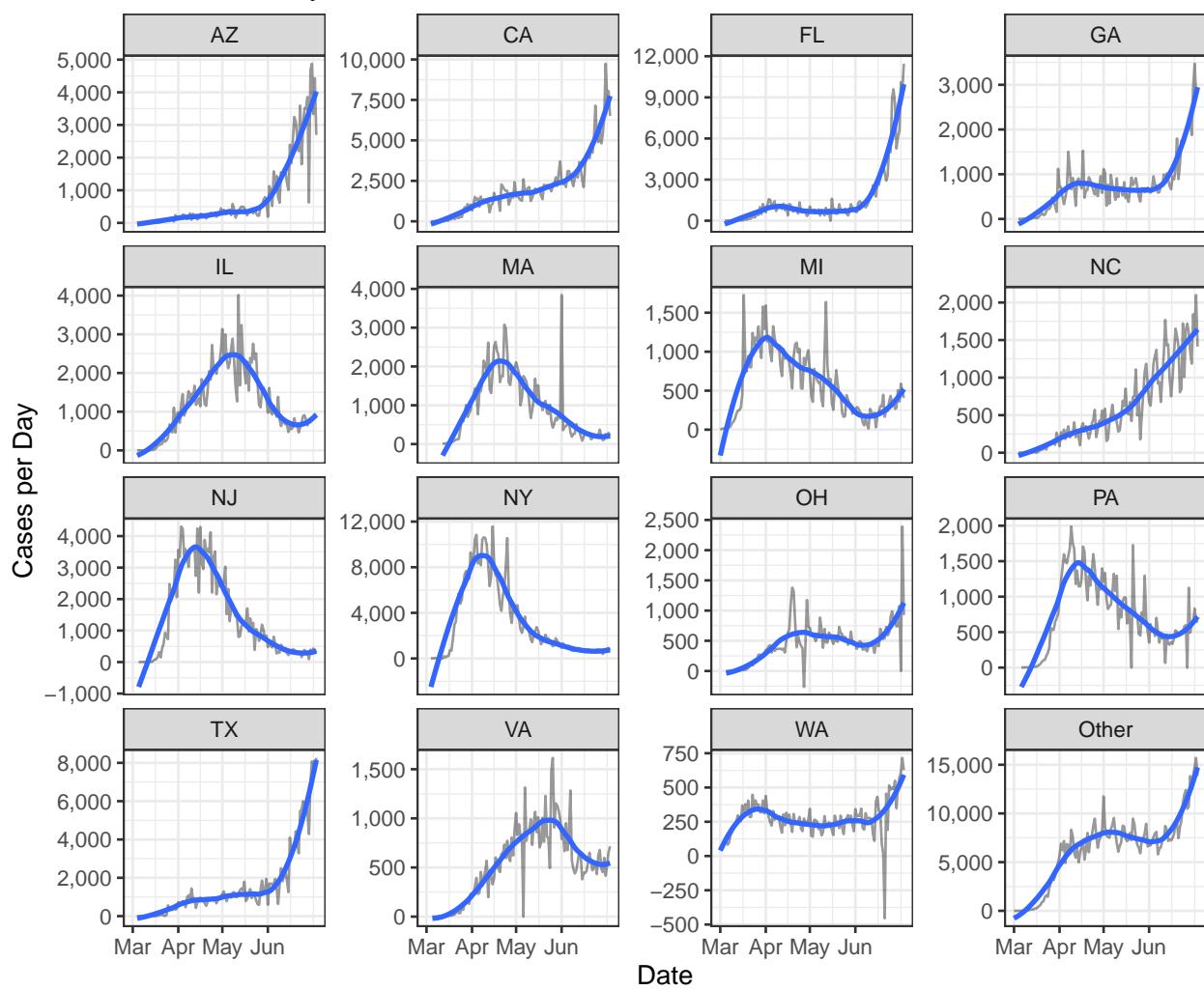


Cases

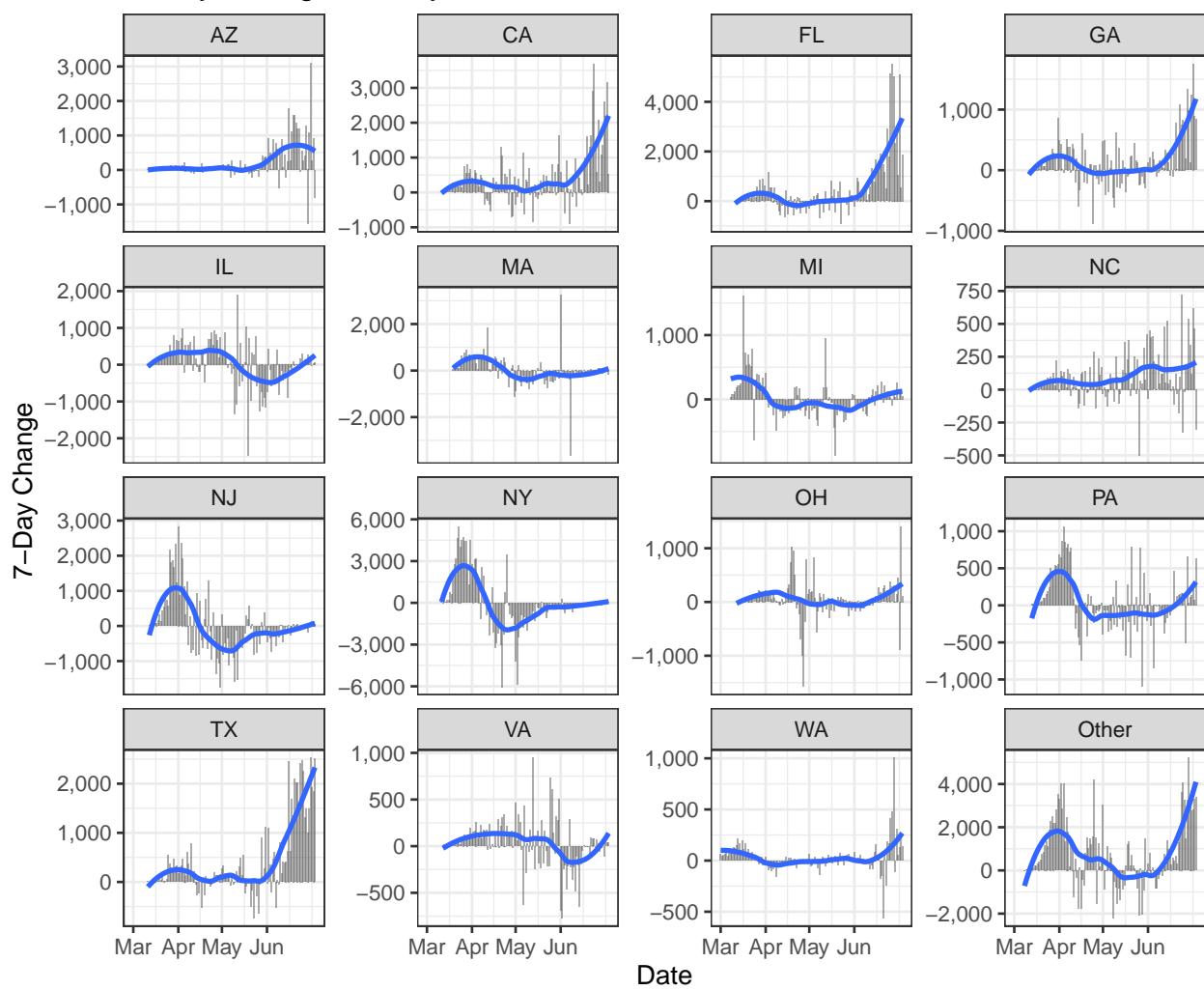
Cases by State

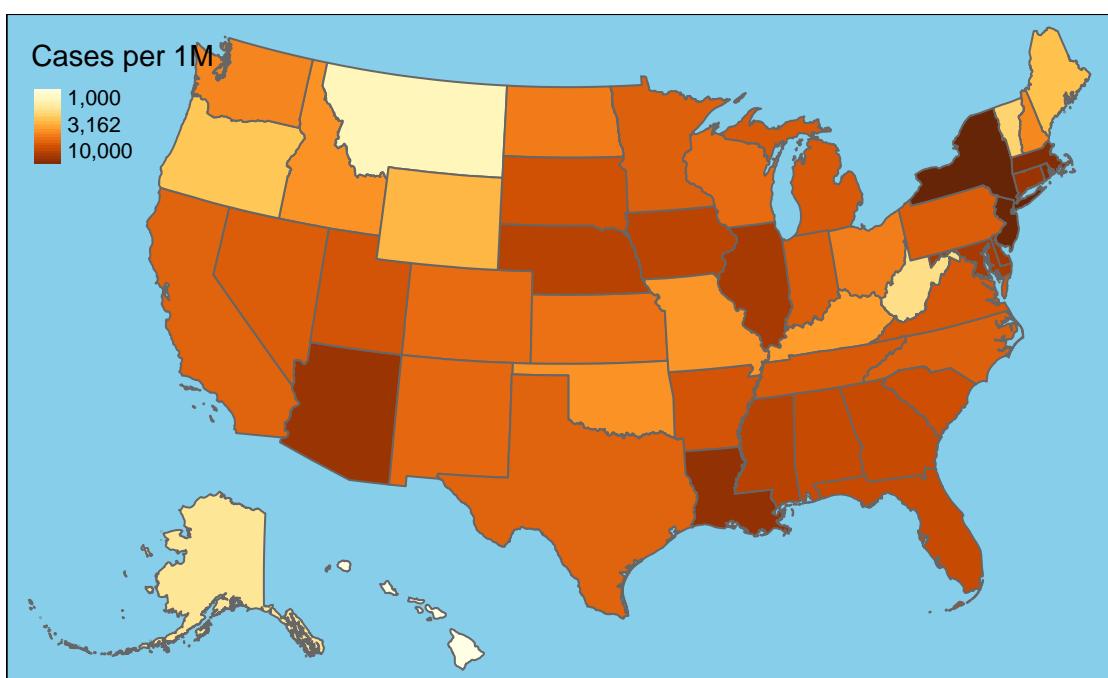
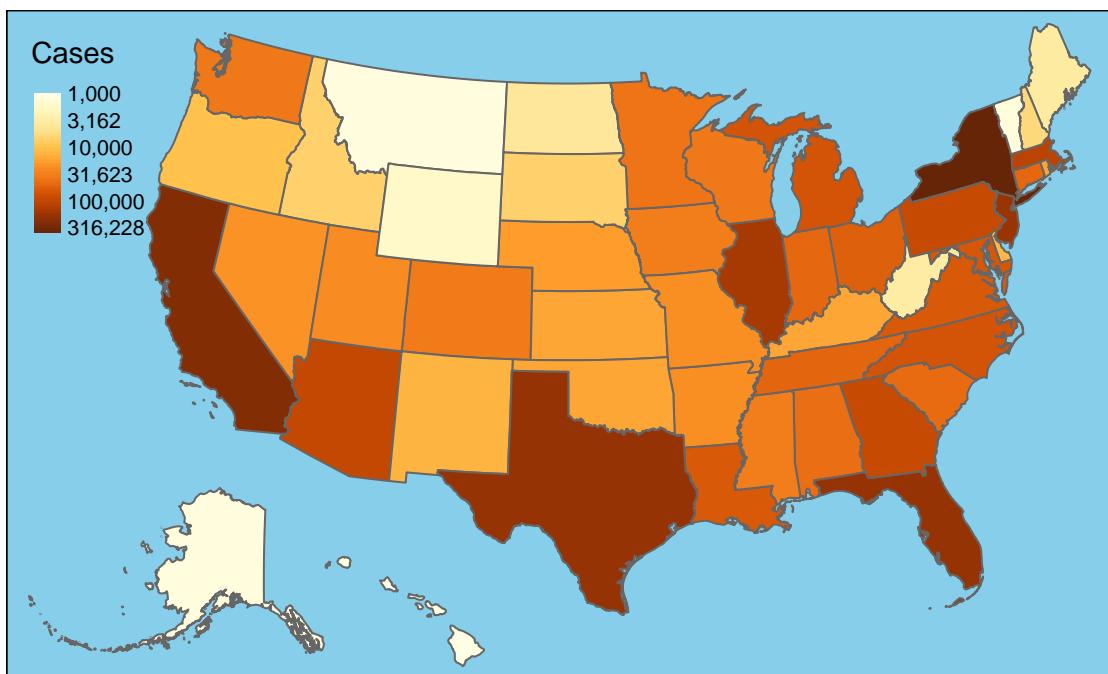


## New Cases by State



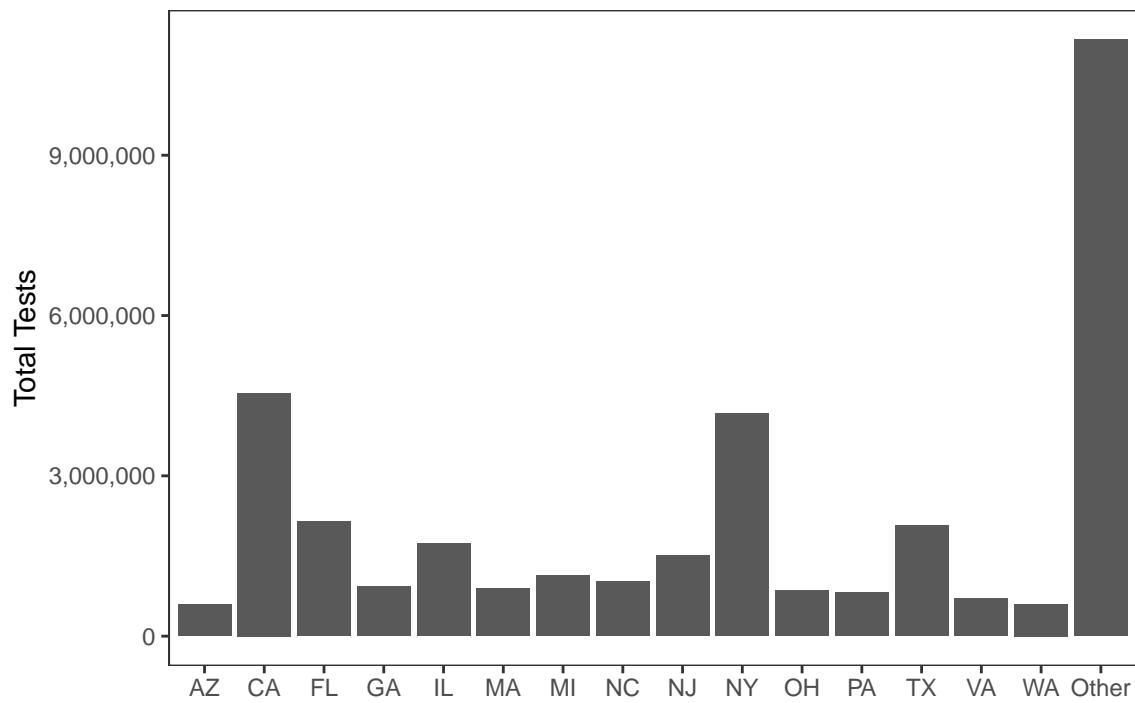
### 7-Day Change in Daily Cases



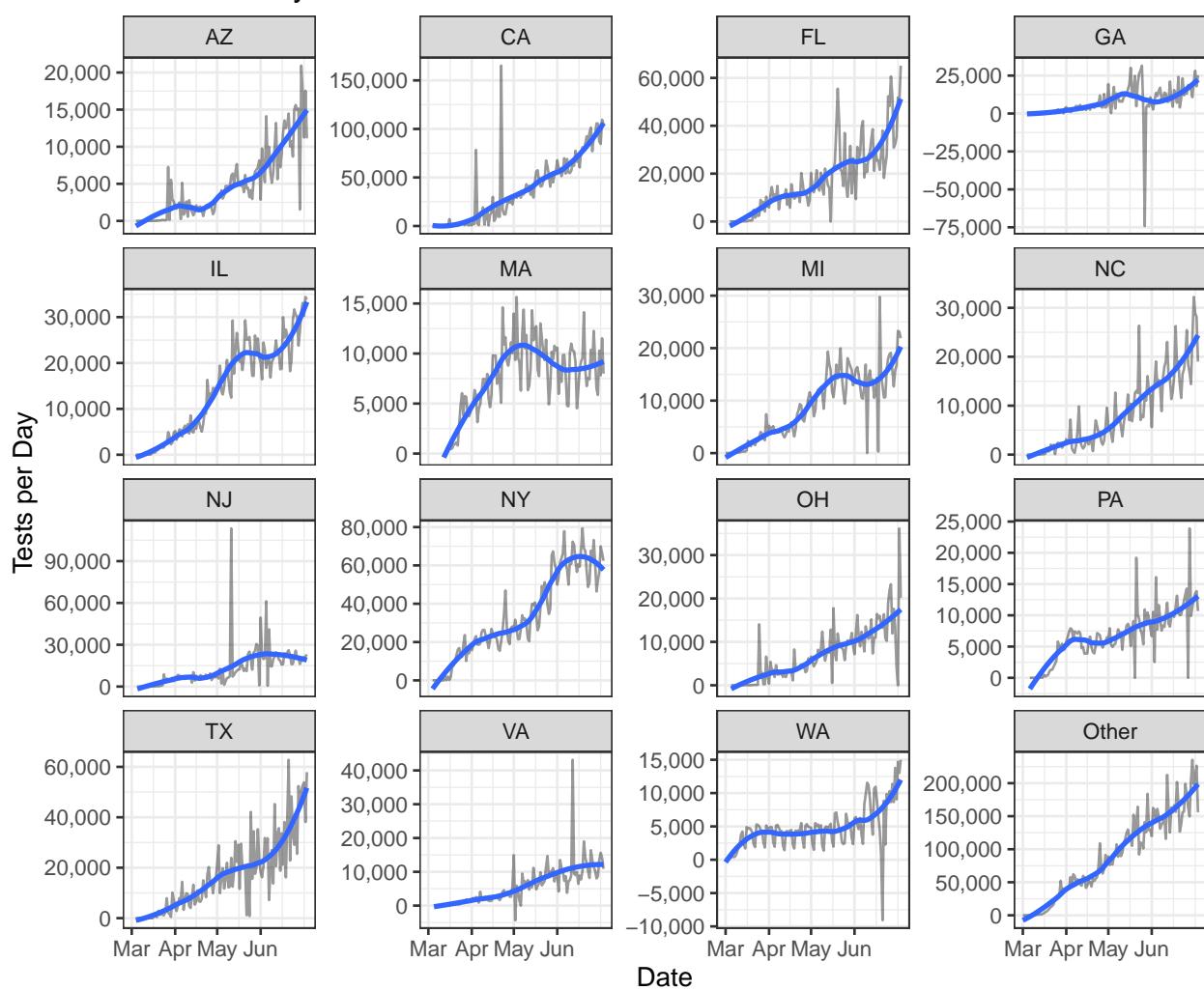


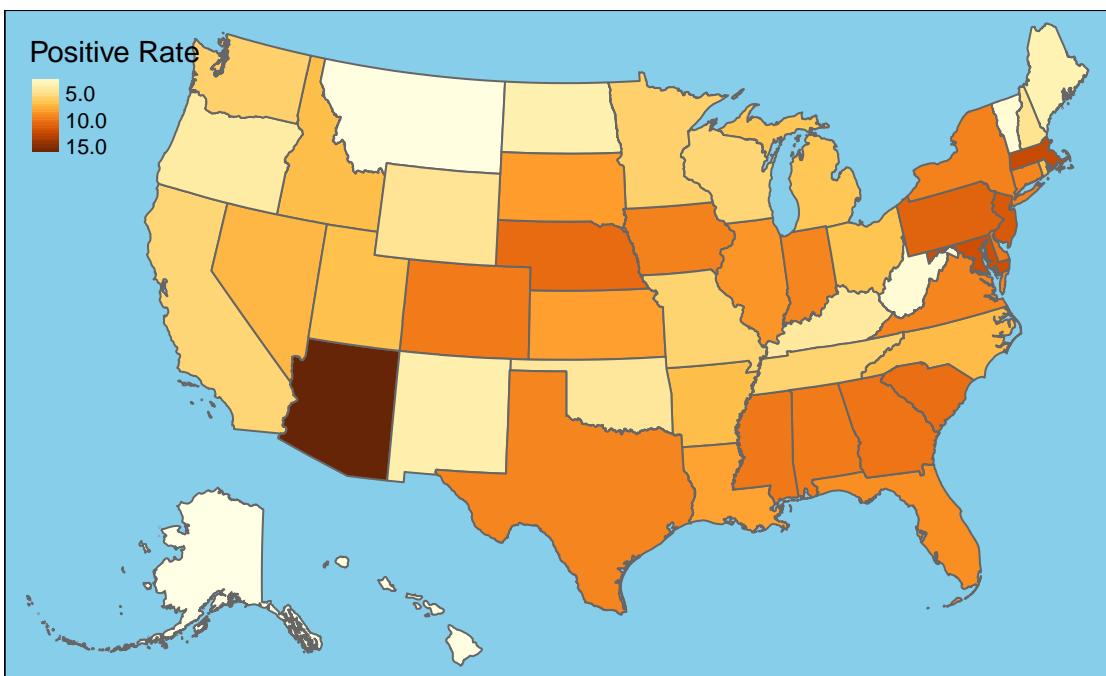
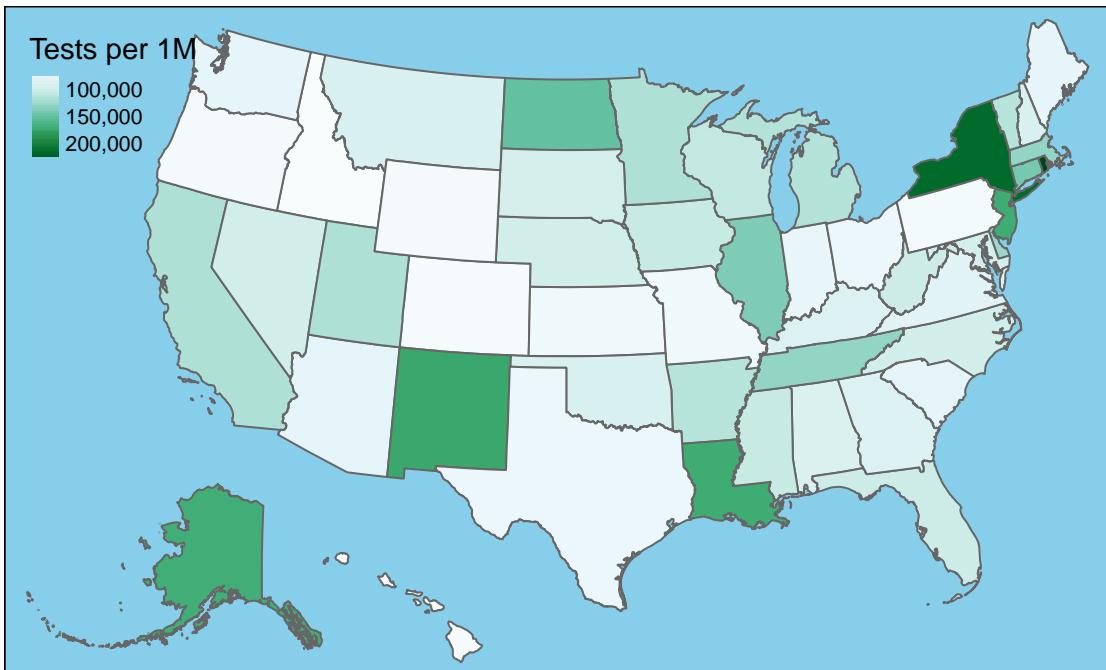
## Testing

Tests by State



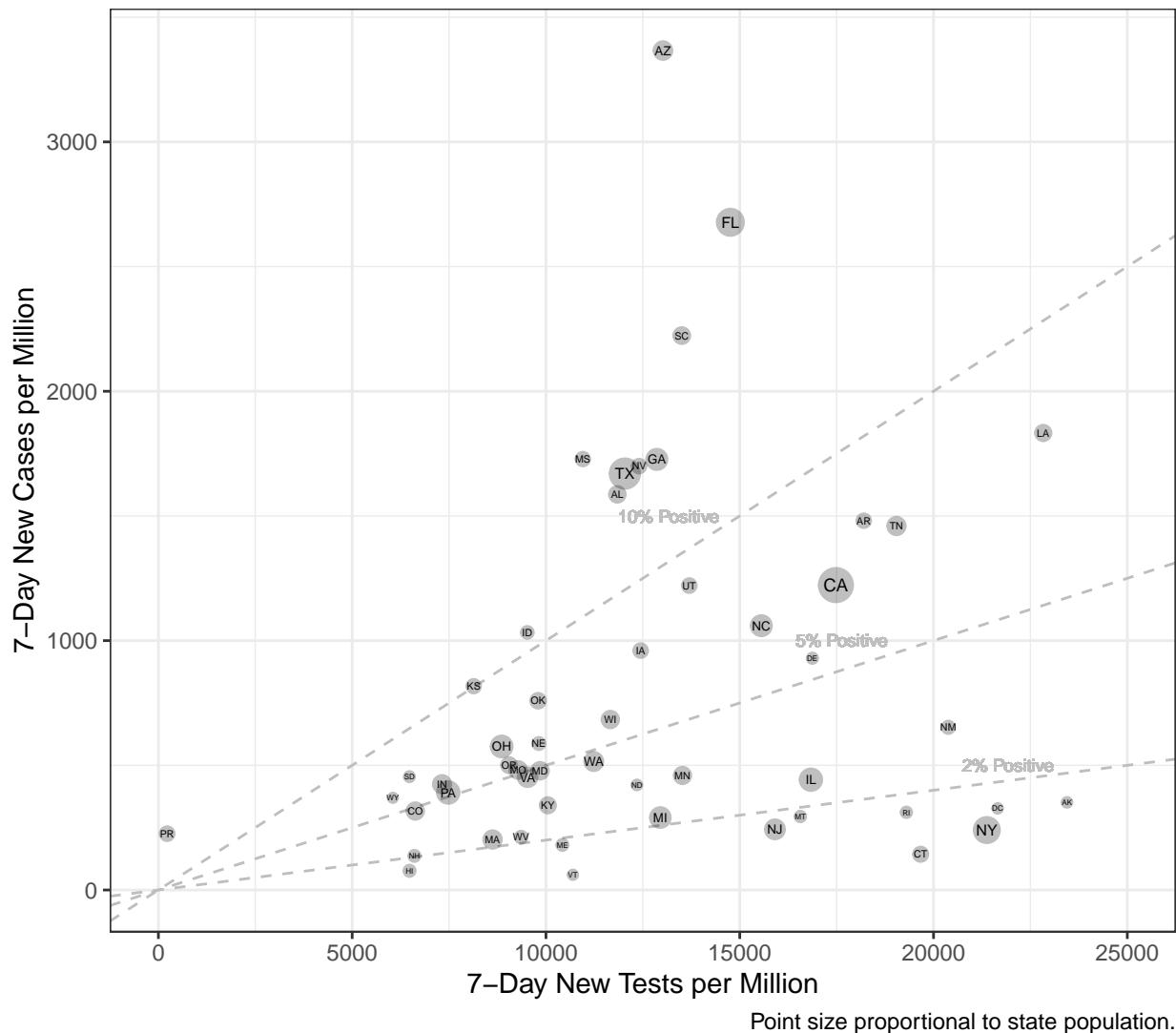
## New Tests by State





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



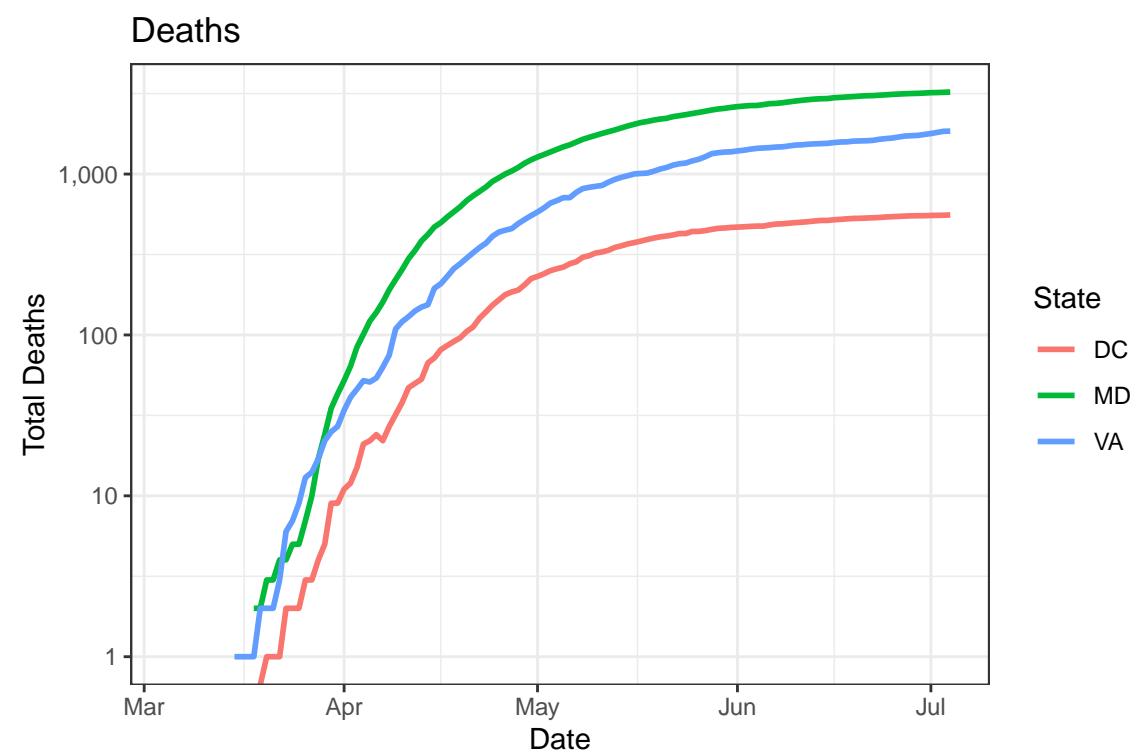
## Local Data

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

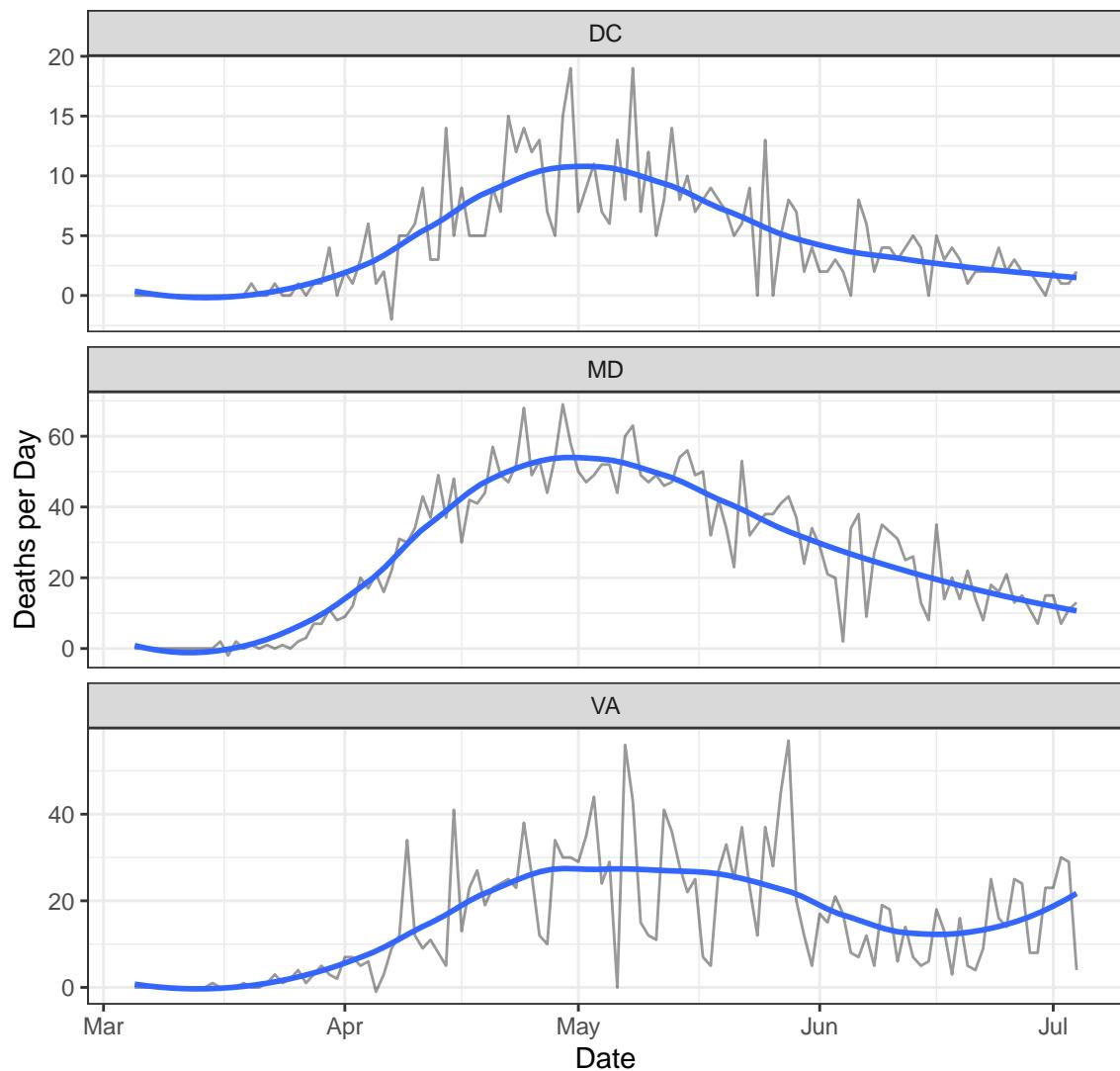
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,447	557	12	2
MD	69,341	3,236	380	13
VA	65,109	1,849	716	4

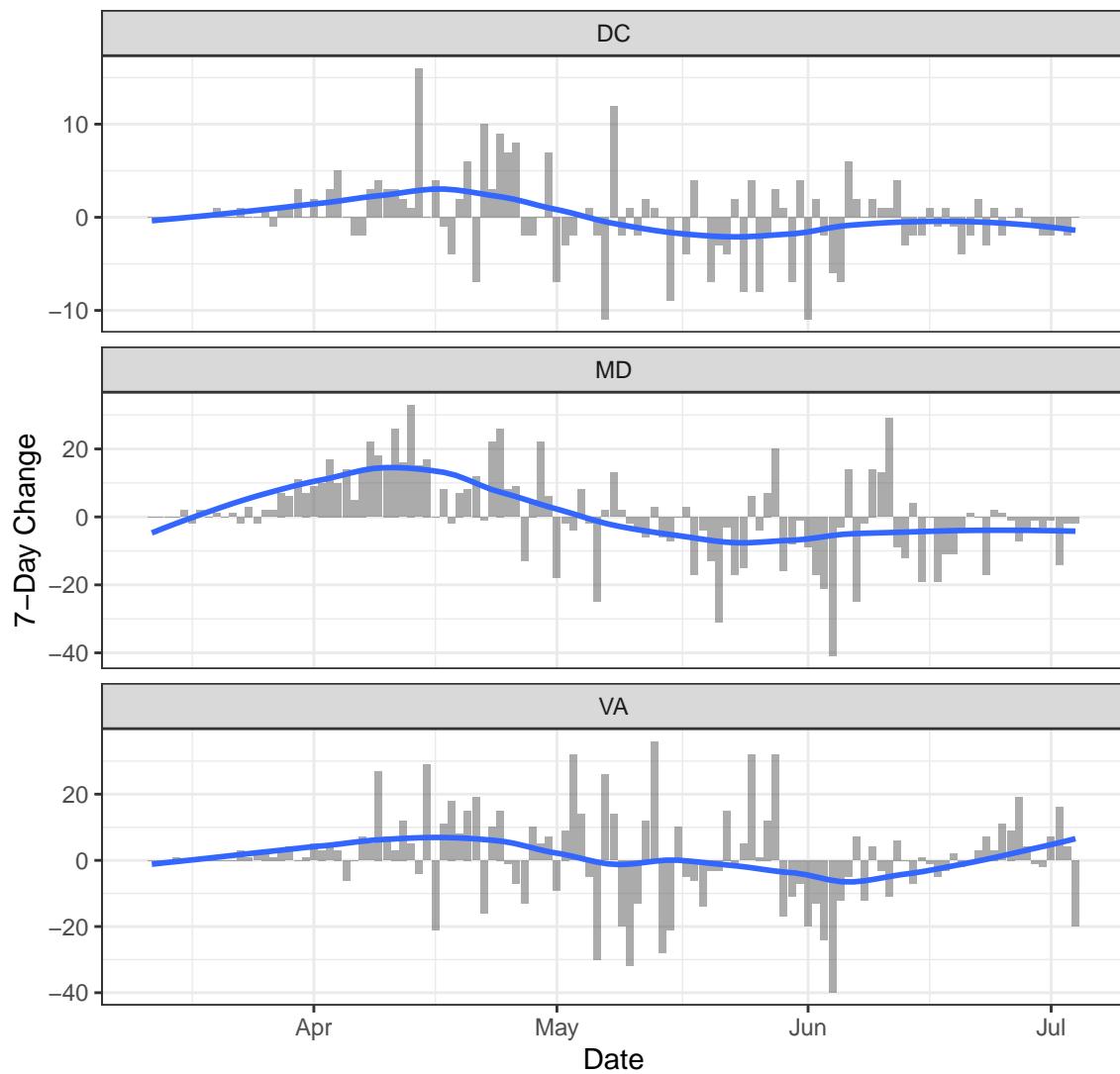
## Deaths

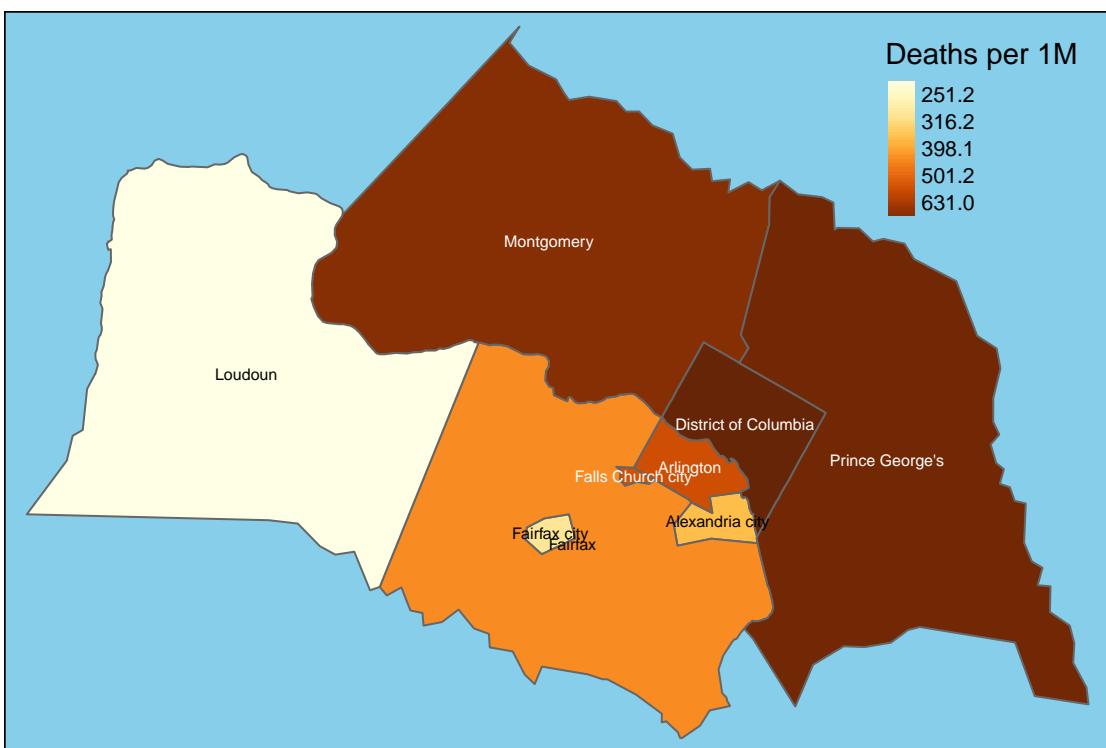
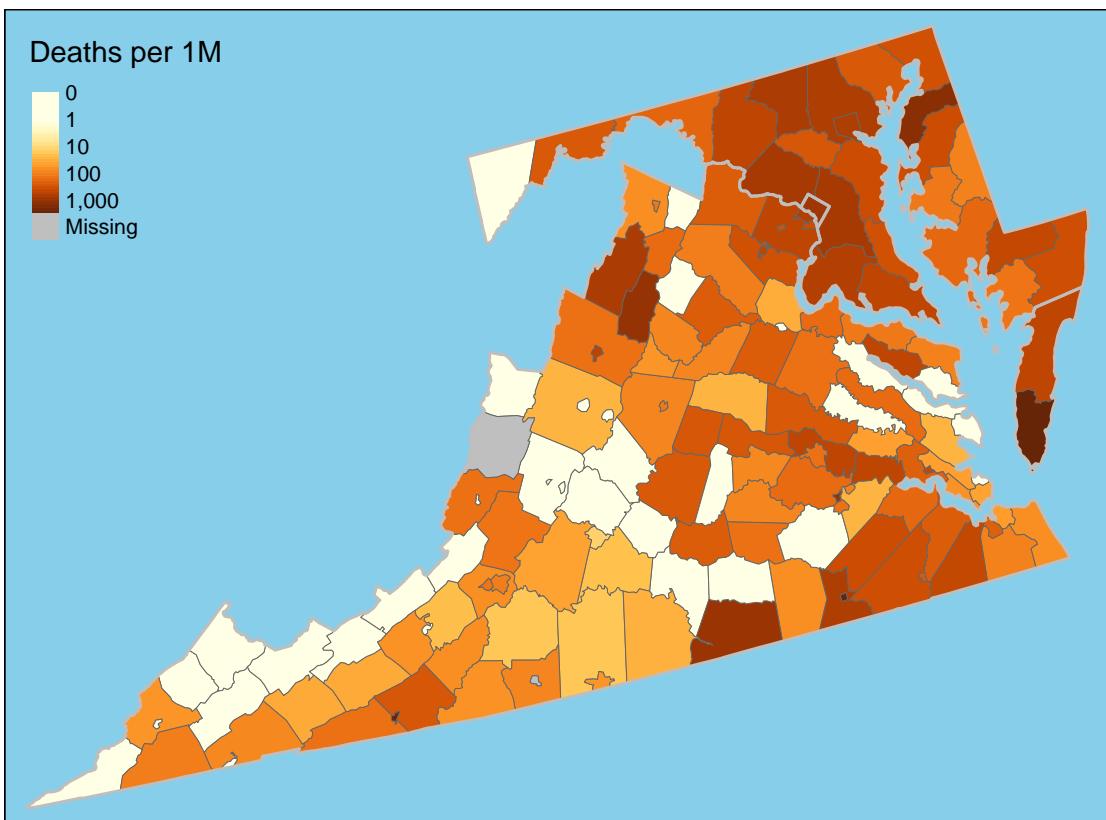


## New Deaths

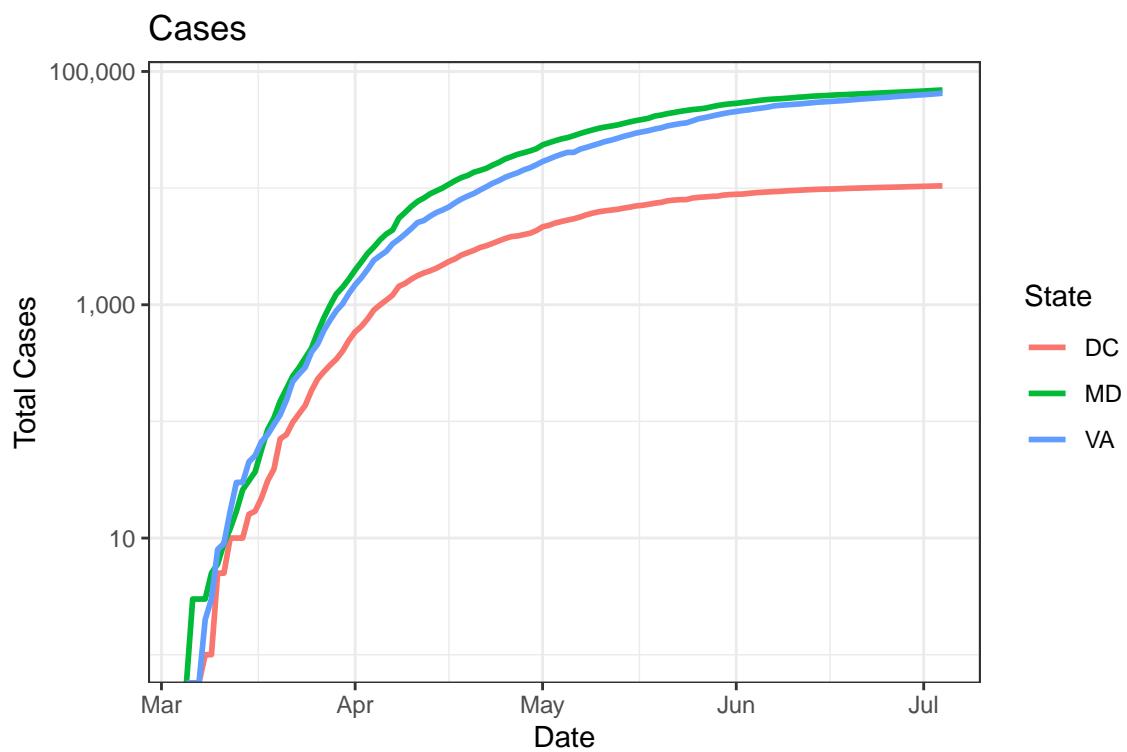


## One-Week Change in Daily Deaths

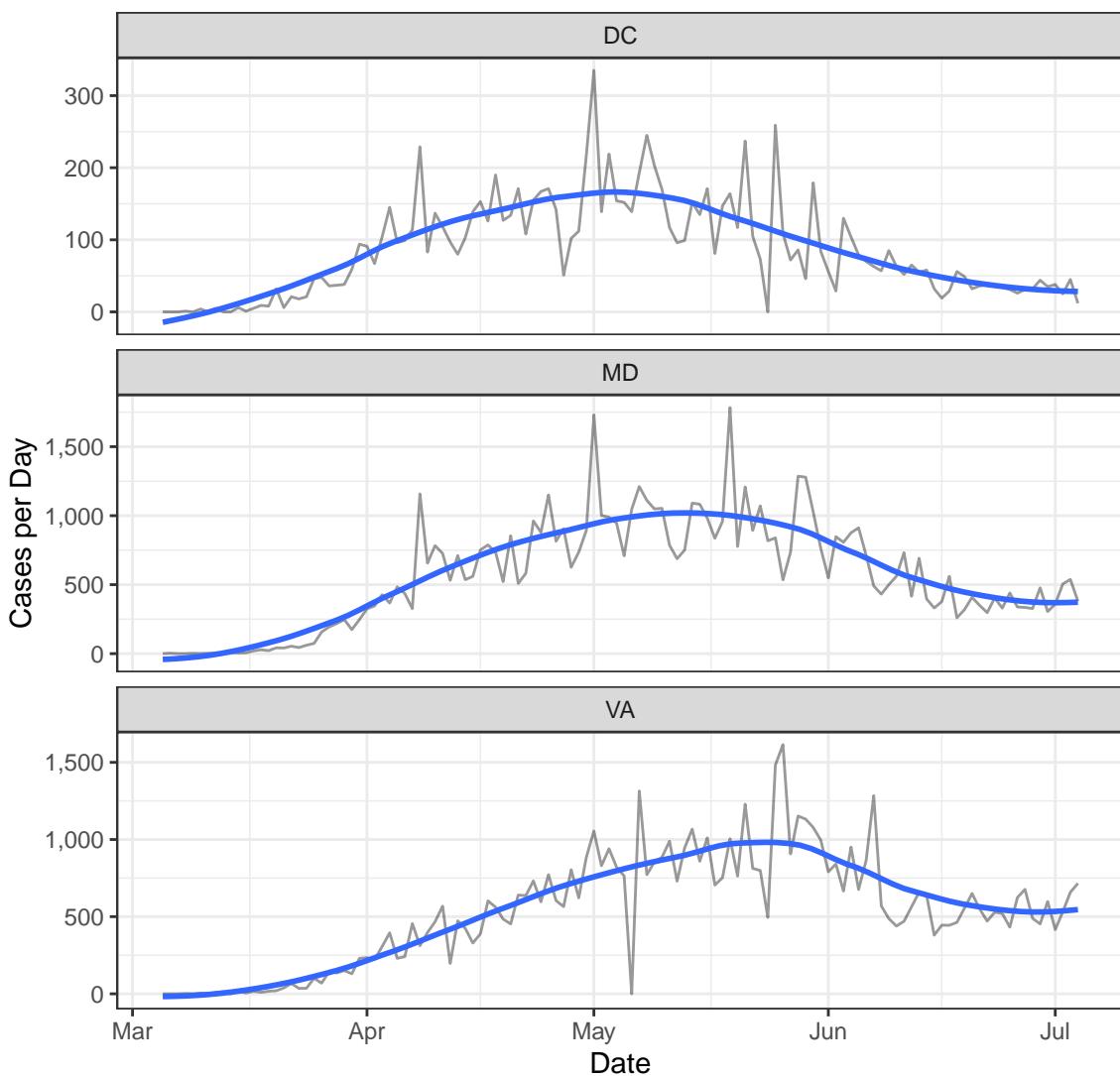




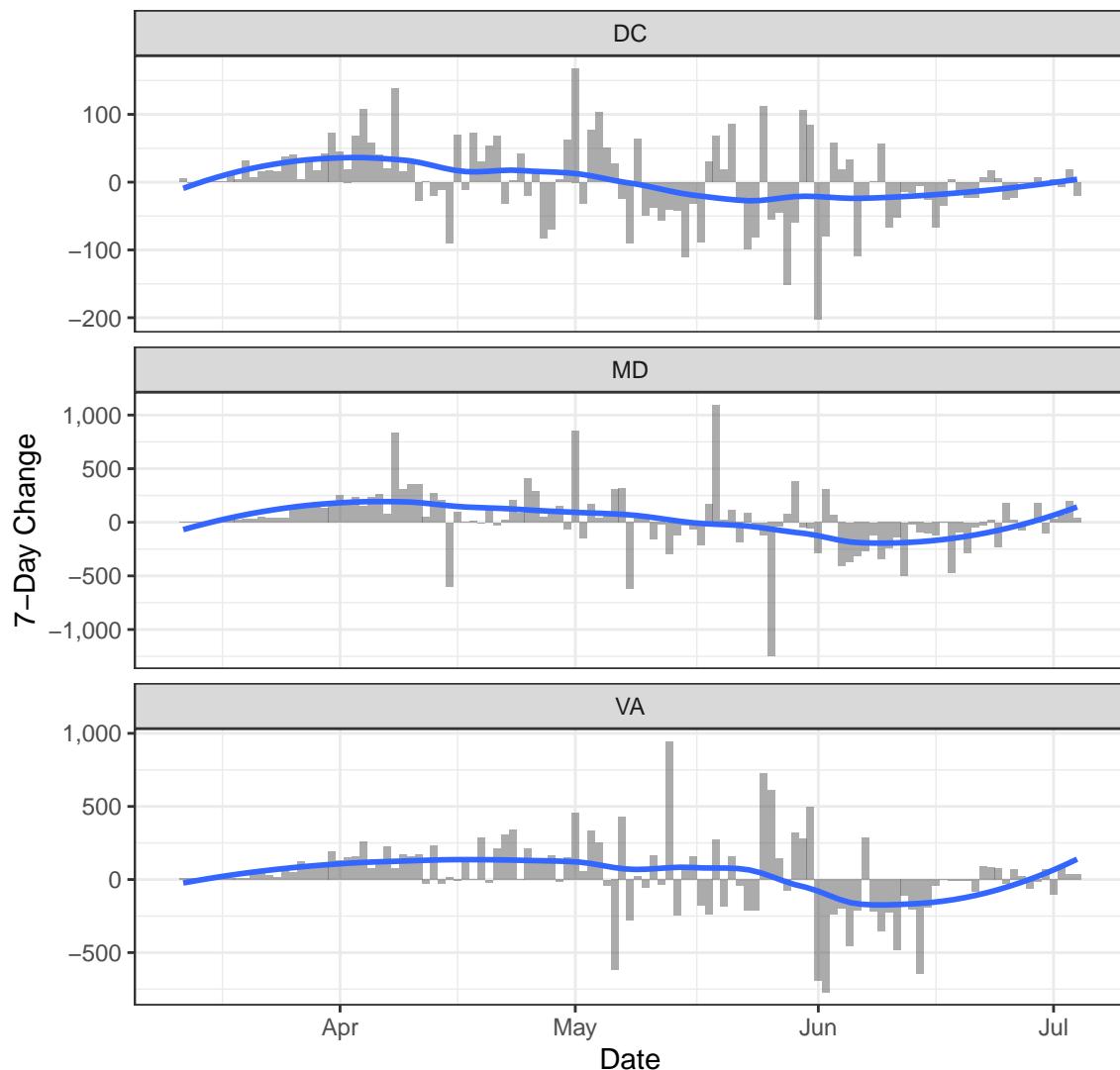
Cases

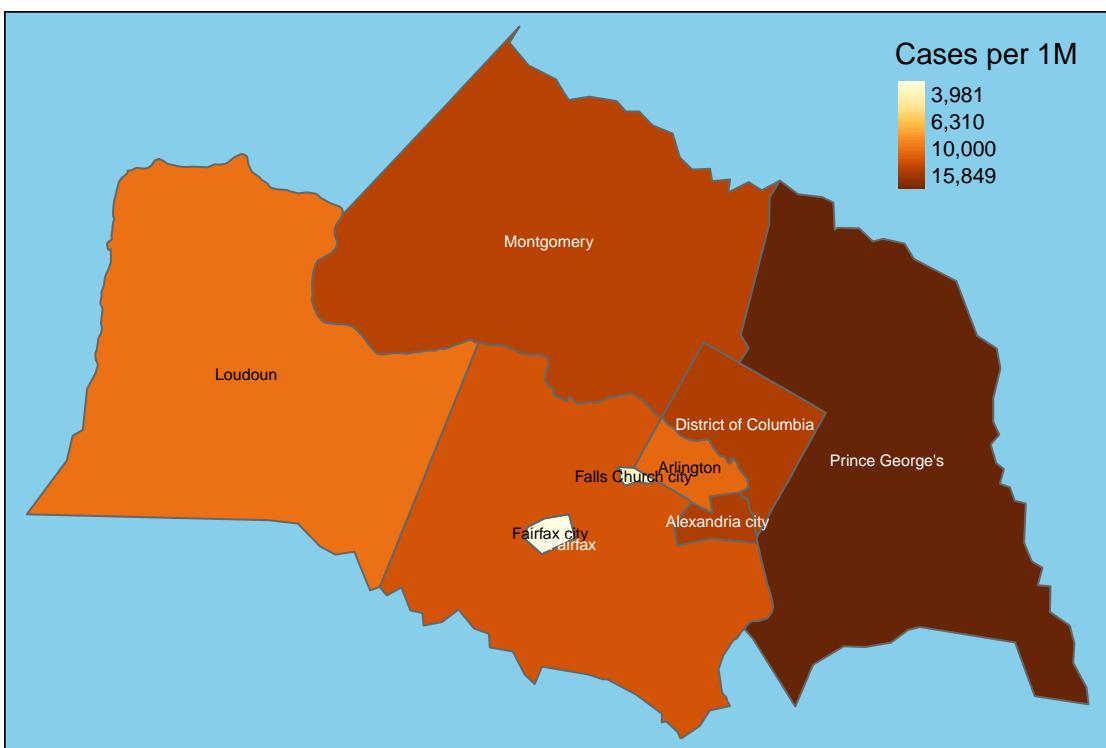
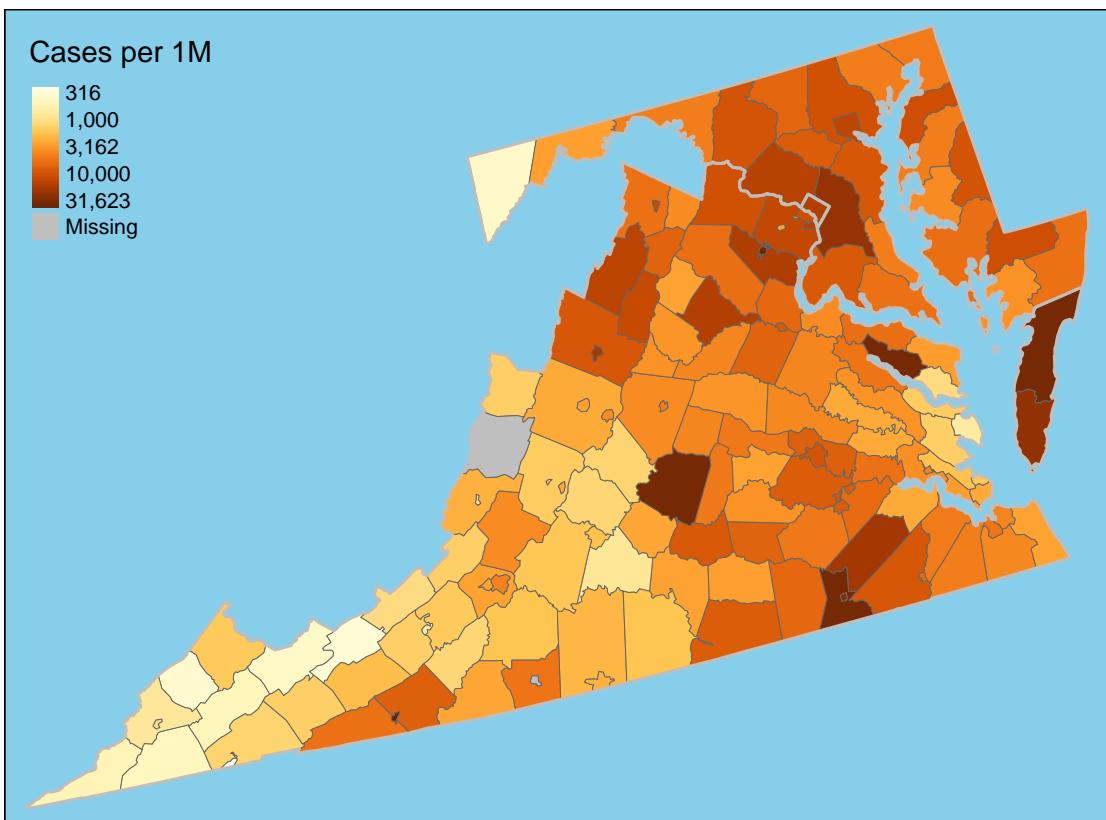


## New Cases

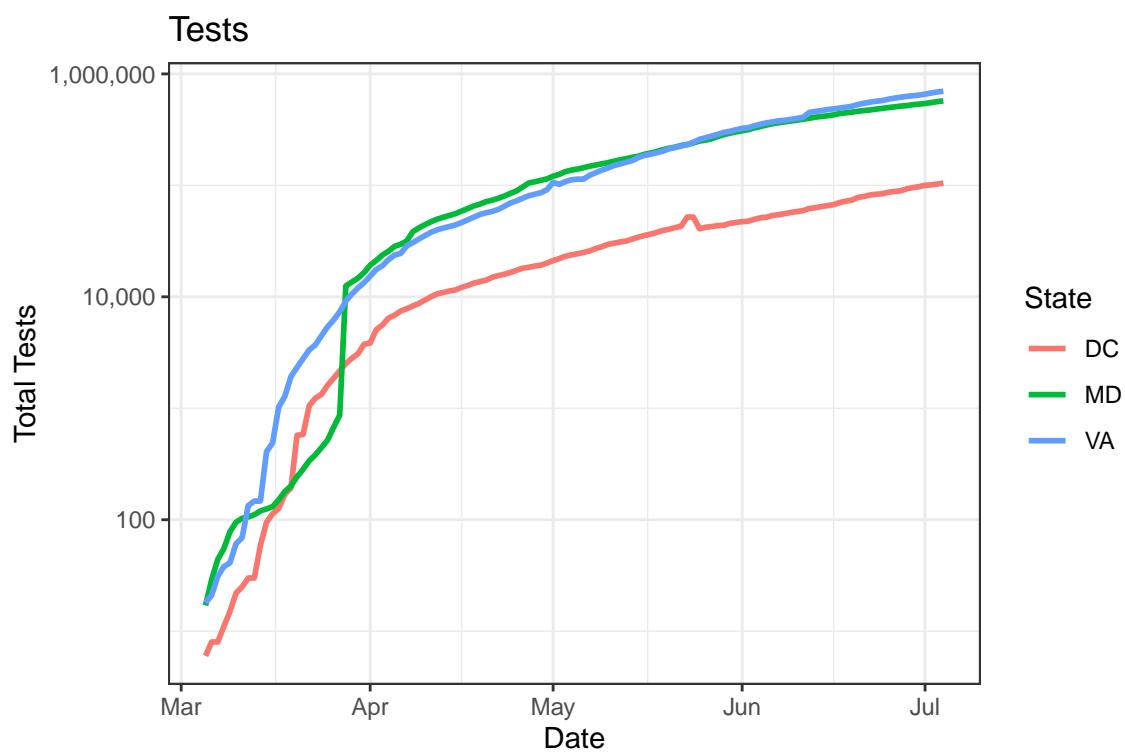


### One-Week Change in Daily Cases

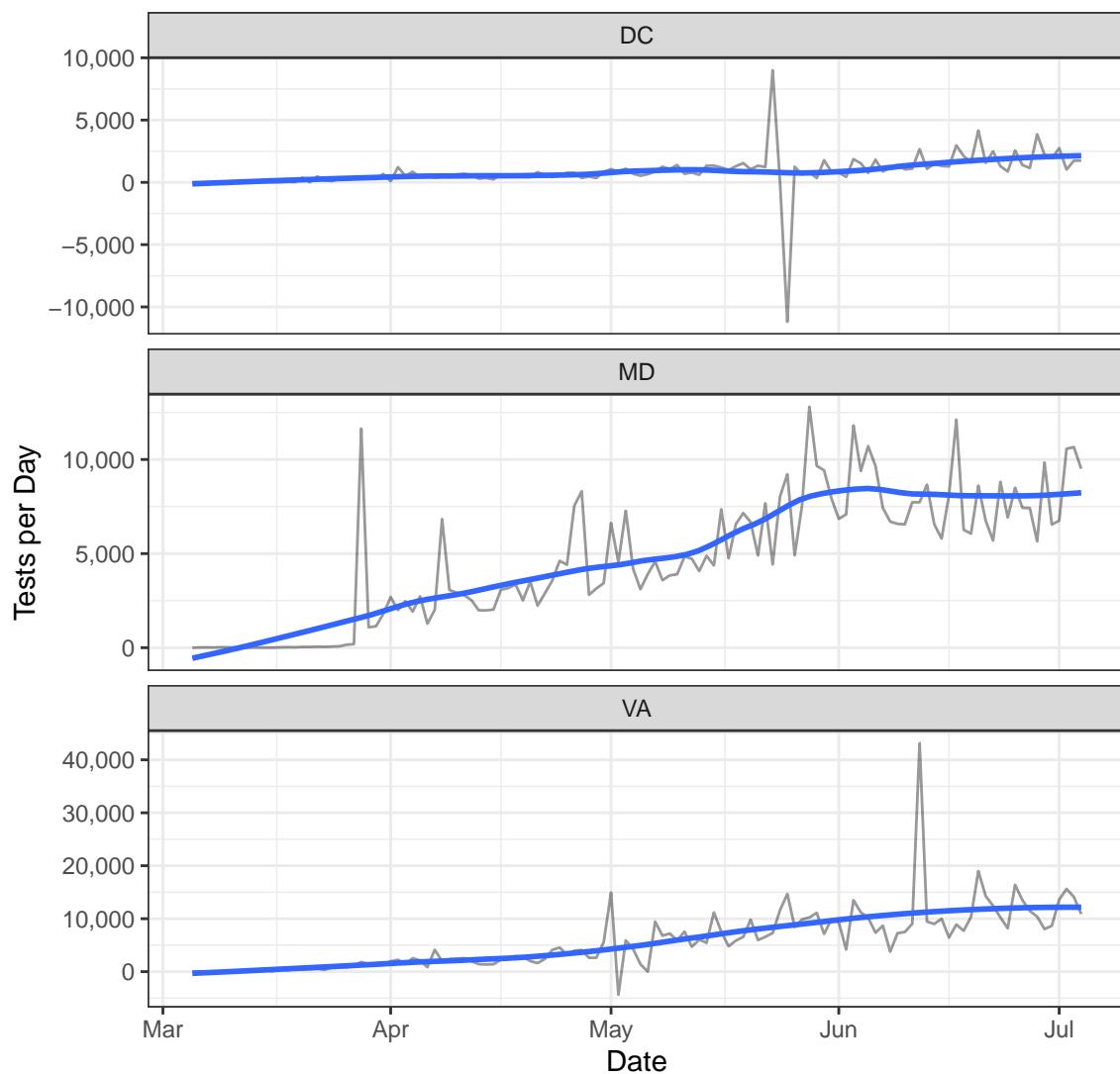




## Testing



## New Tests



## Positive Test Rate

