

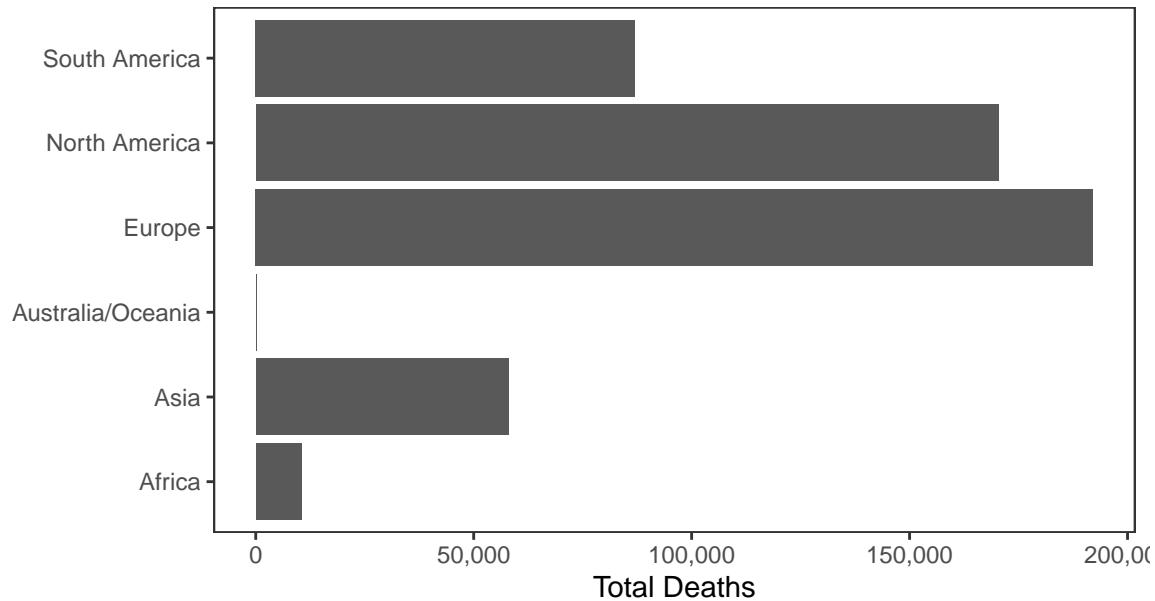
# Erik's Covid-19 Chart Pack

Data updated 2020-07-02 18:25:23. 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 10,795,162 confirmed Covid-19 cases and 518,058 deaths worldwide.

**Deaths**



**Cases**

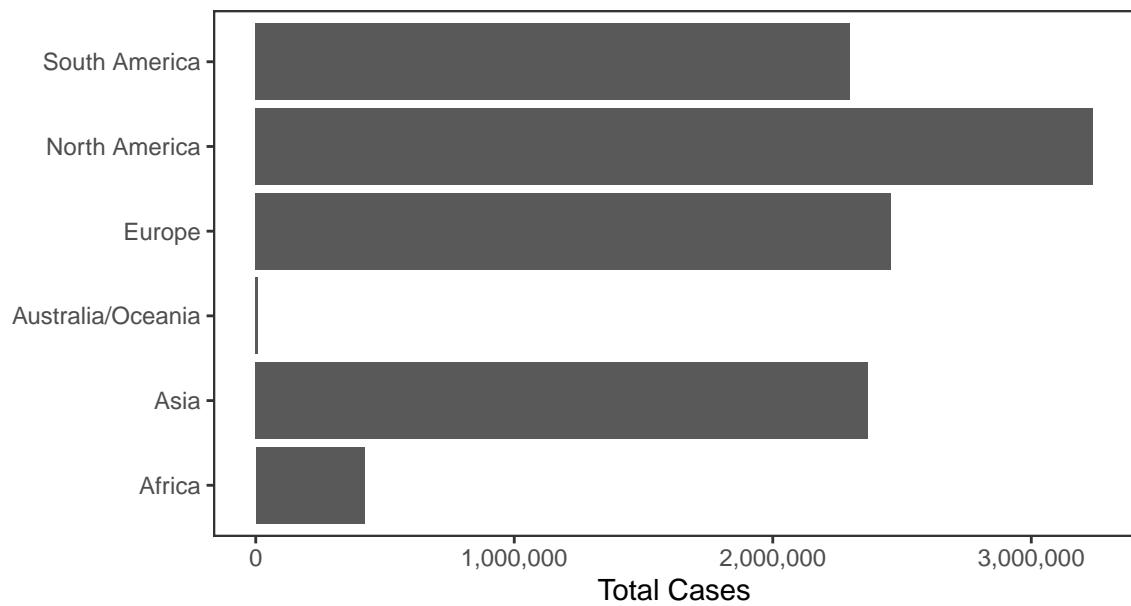
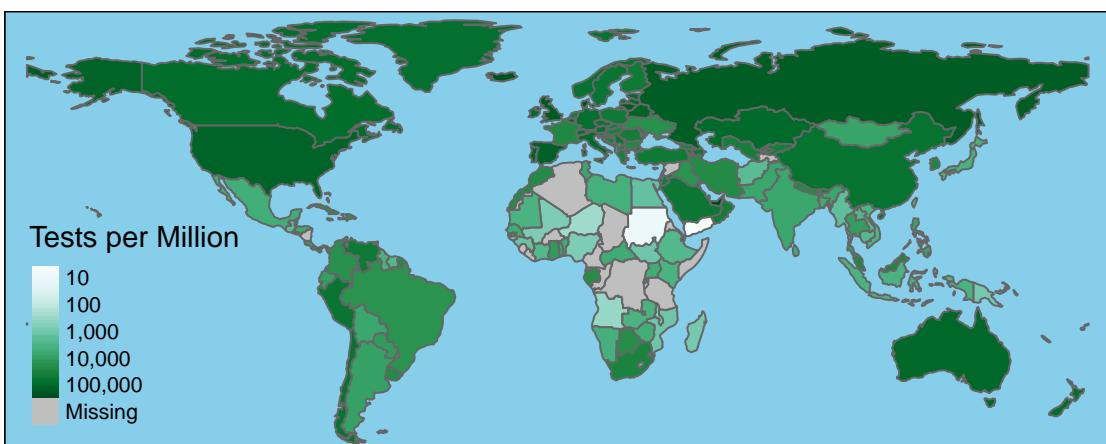
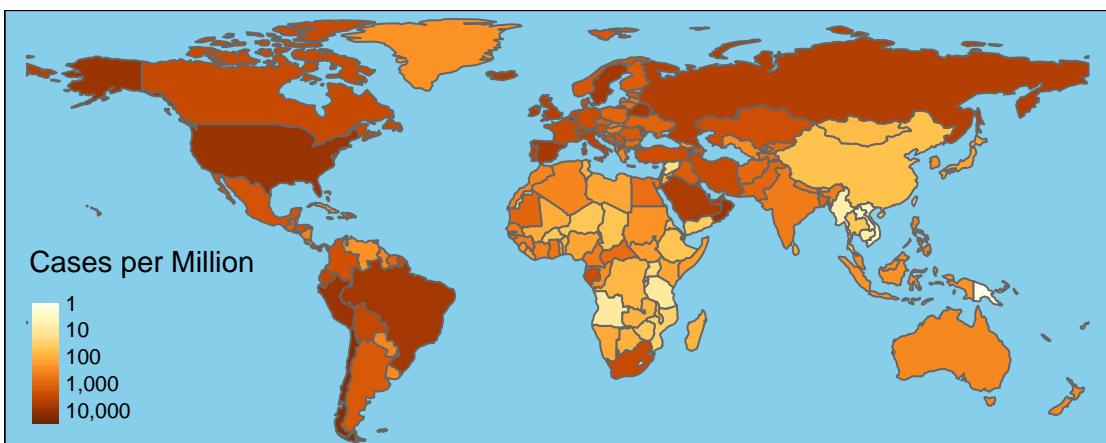
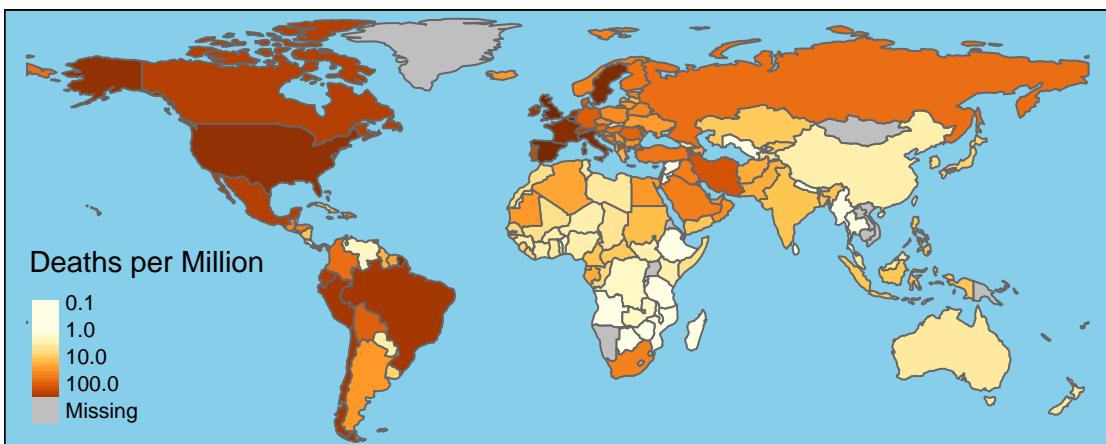


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,779,953	130,798	51,097	676
Brazil	1,453,369	60,713	44,884	1,057
Russia	654,405	9,536	6,556	216
India	605,220	17,848	19,428	438
UK	313,483	43,906	829	176
Spain	296,739	28,363	388	8
Peru	288,477	9,860	3,264	183
Chile	282,043	5,753	2,650	65
Italy	240,760	34,788	182	21
Iran	230,211	10,958	2,549	141
Mexico	226,089	27,769	5,432	648
Pakistan	213,470	4,395	4,133	91
Turkey	201,098	5,150	1,192	19
Germany	196,324	9,061	492	9
Saudi Arabia	194,225	1,698	3,402	49
France	165,719	29,861	918	18
South Africa	159,333	2,749	8,124	92
Bangladesh	149,258	1,888	3,775	41
Canada	104,271	8,615	67	24
Colombia	102,009	3,470	4,163	136



## National Data

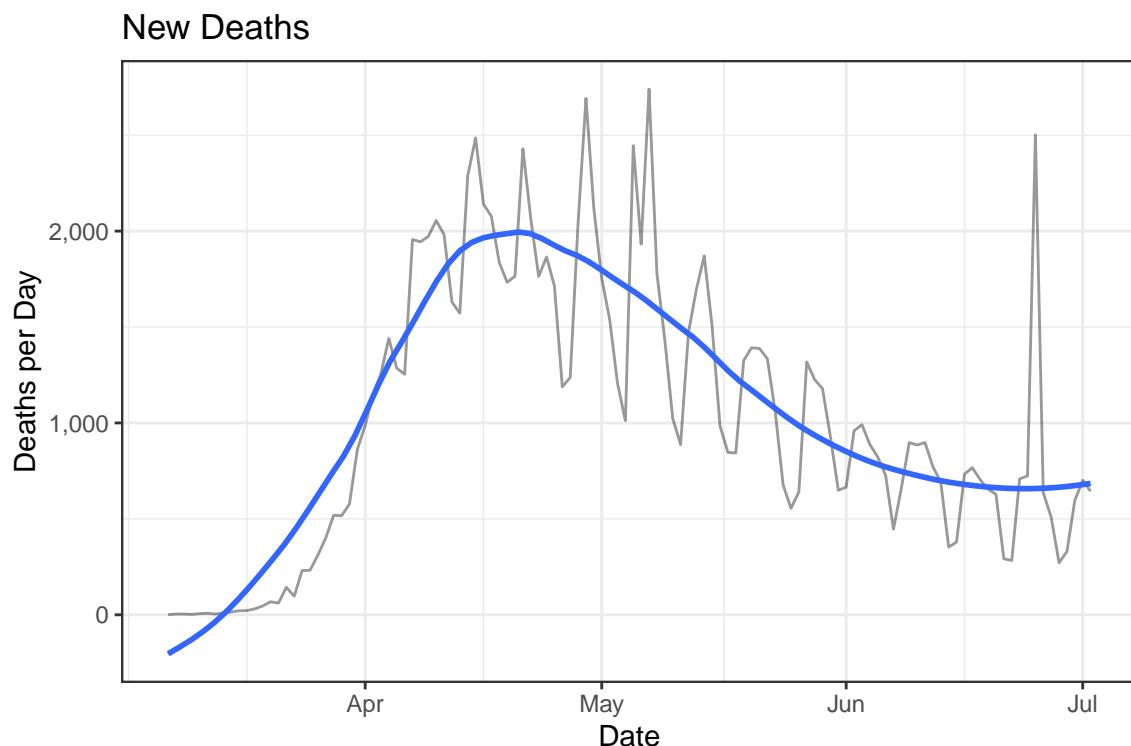
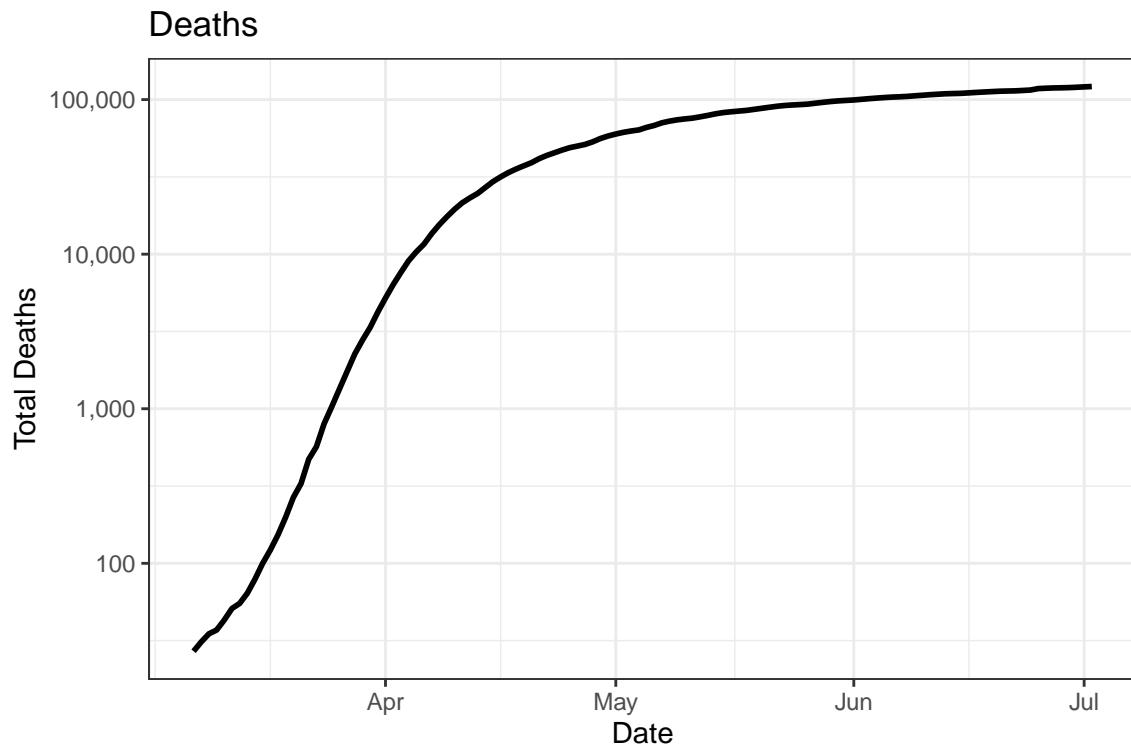
There have been 2,727,628 confirmed Covid-19 cases and 121,497 deaths in the United States.

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

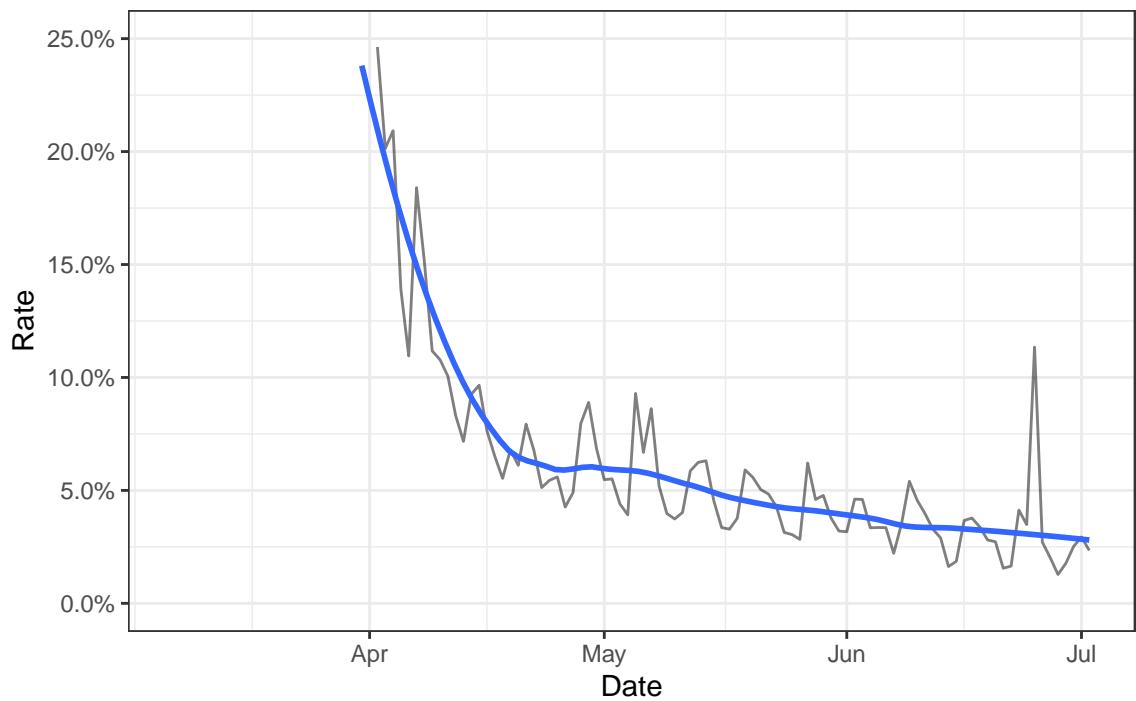
Date	Cases	Deaths	New Cases	New Deaths
2020-07-02	2,727,628	121,497	52,815	644
2020-07-01	2,674,813	120,853	52,982	701
2020-06-30	2,621,831	120,152	44,358	596
2020-06-29	2,577,473	119,556	36,490	330
2020-06-28	2,540,983	119,226	42,161	271
2020-06-27	2,498,822	118,955	43,471	509
2020-06-26	2,455,351	118,446	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
2020-06-20	2,245,856	113,302	31,958	628
2020-06-19	2,213,898	112,674	31,055	655

## Deaths

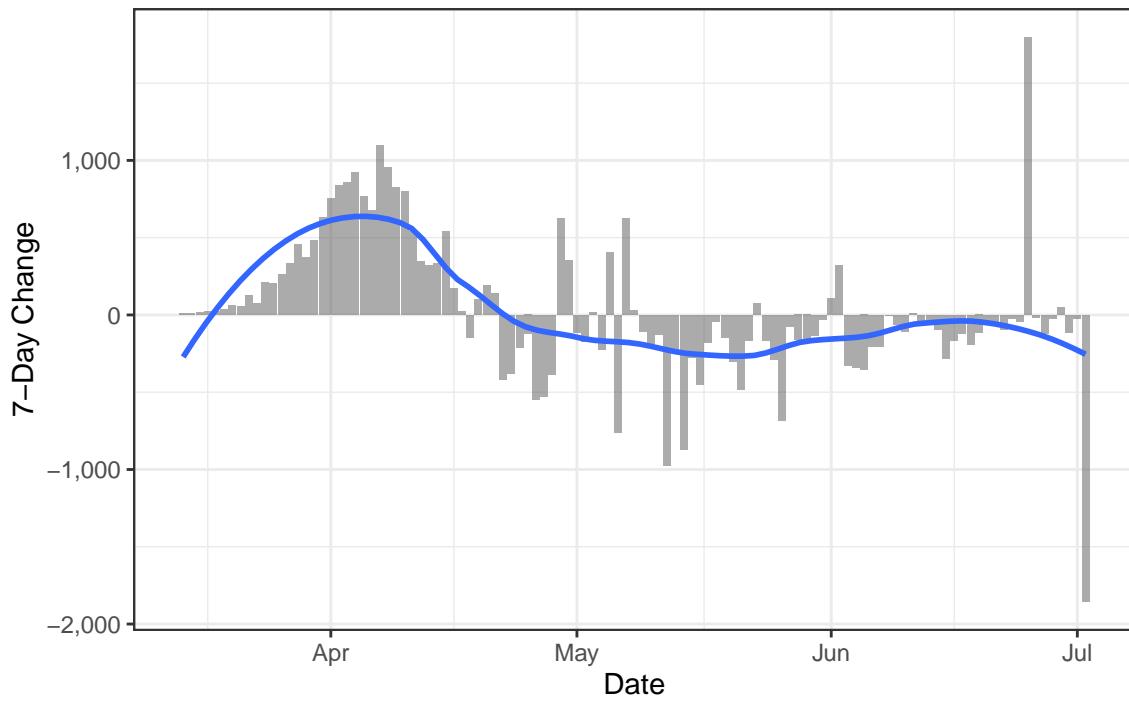
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

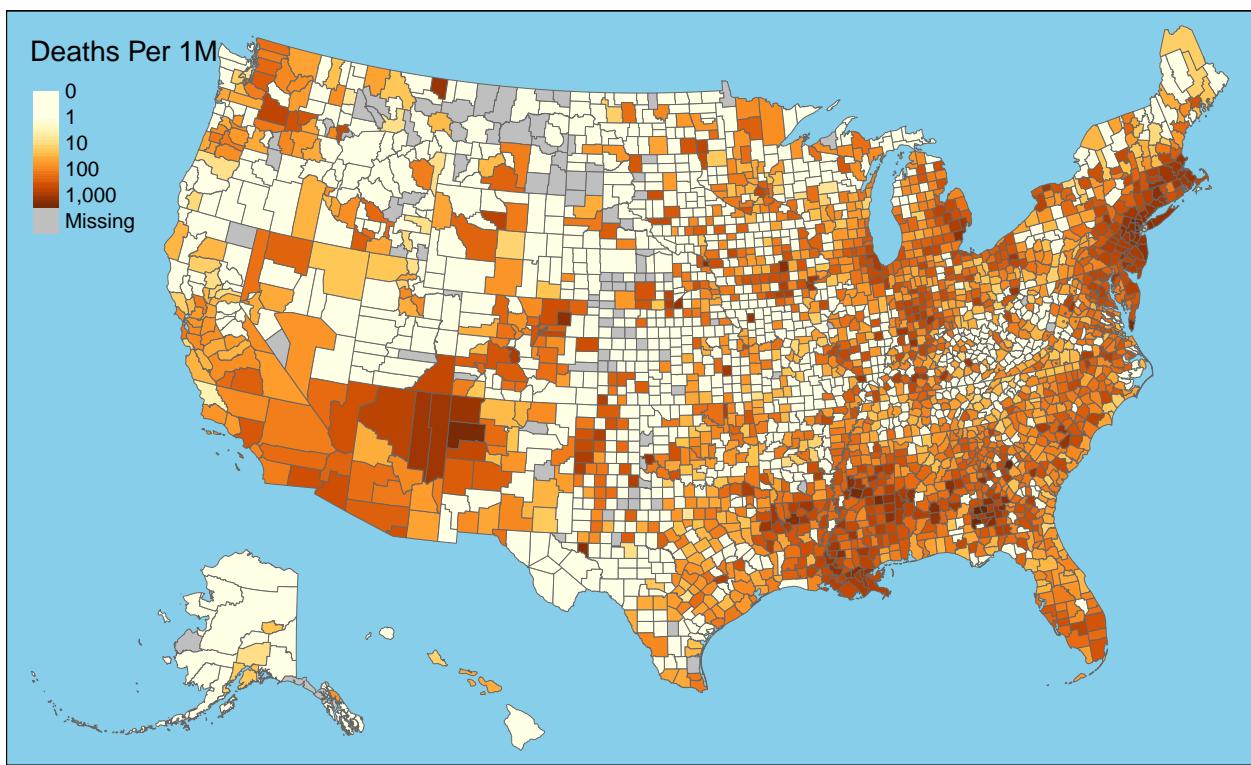


Daily Case Mortality Rate



One-Week Change in Daily Deaths

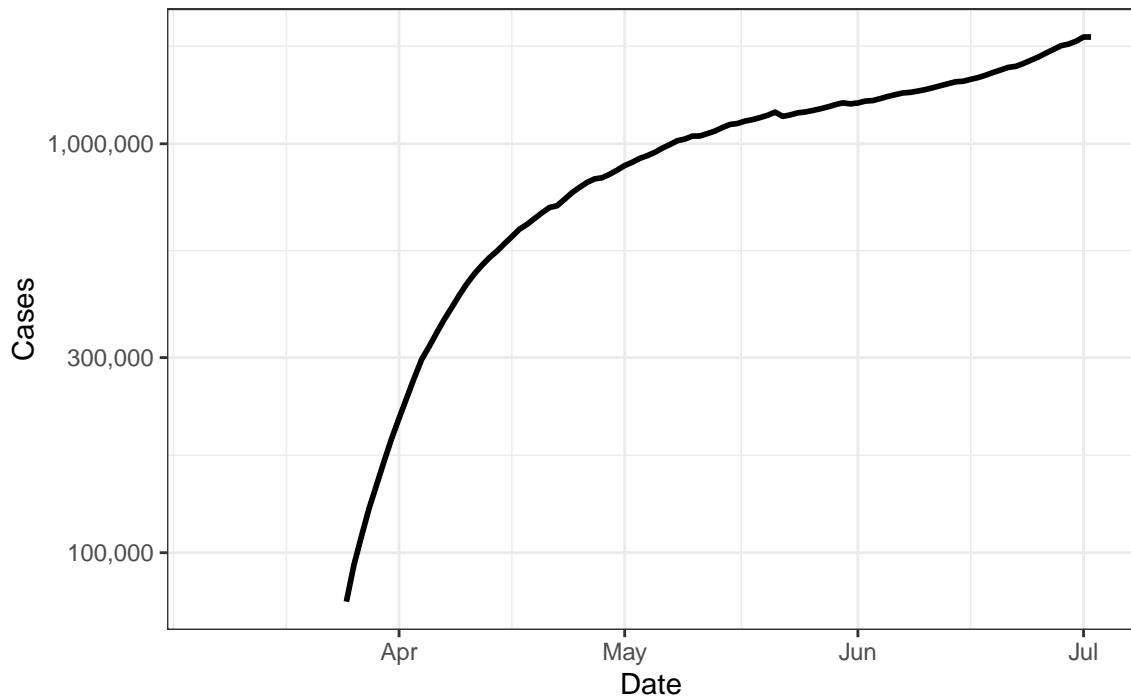




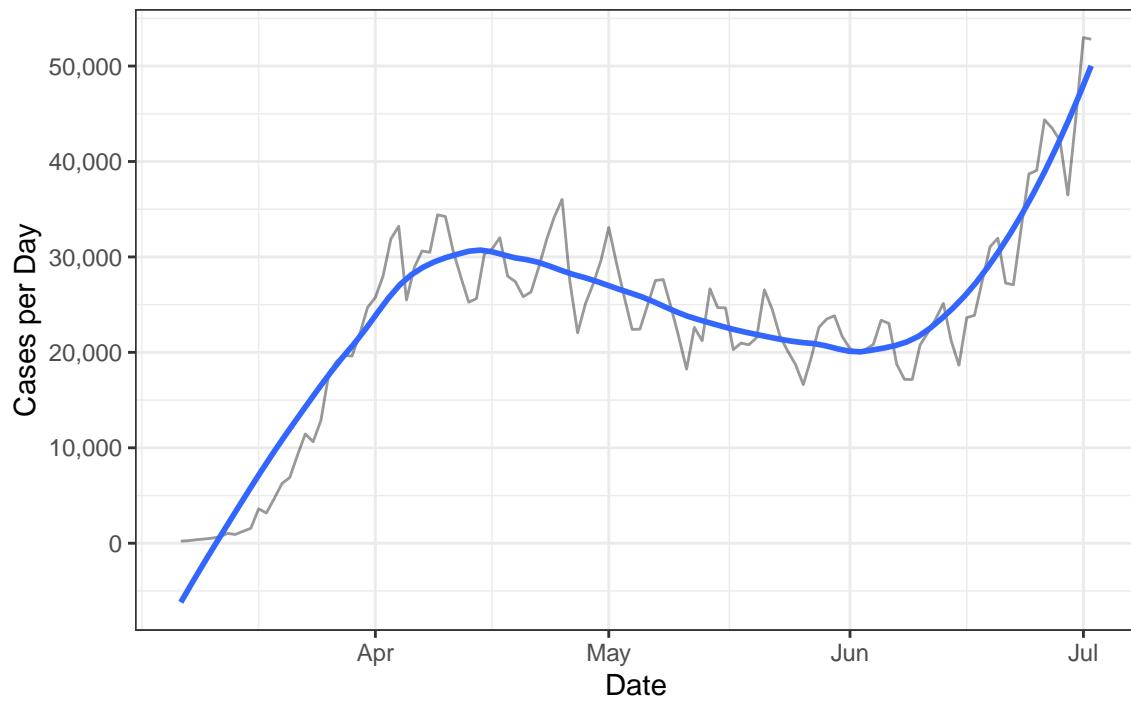
## Cases

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

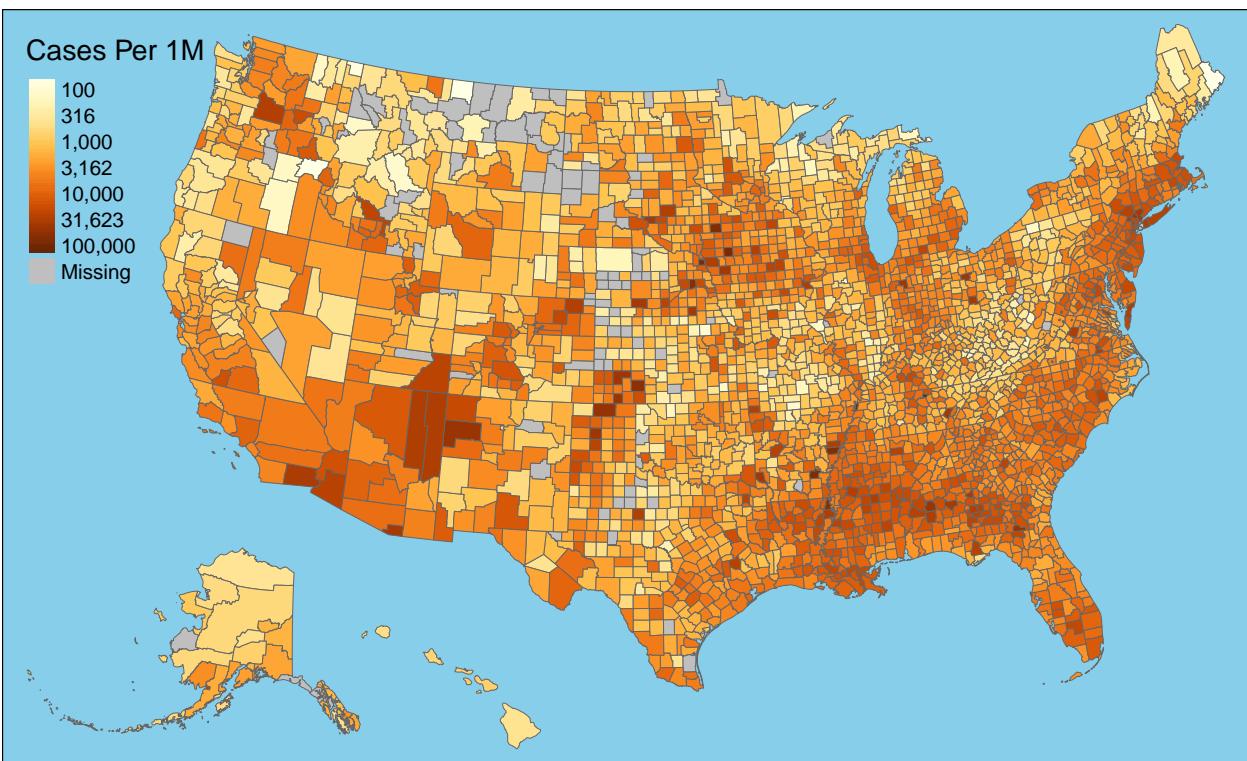
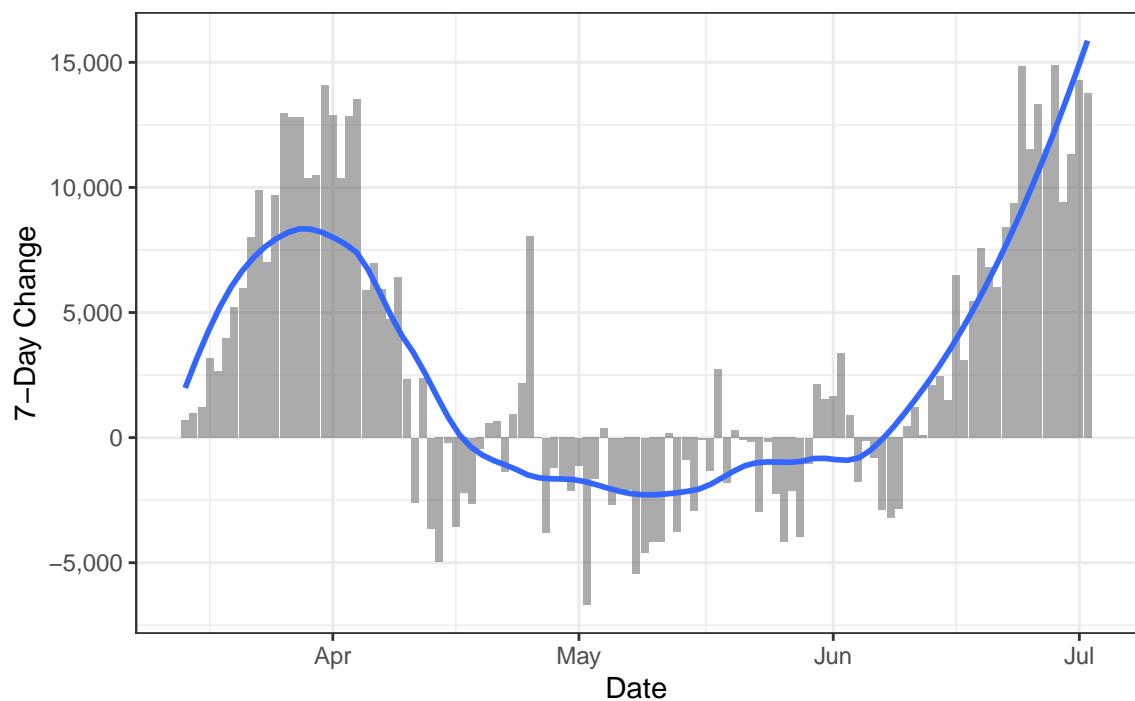
### Active Cases



### New Cases



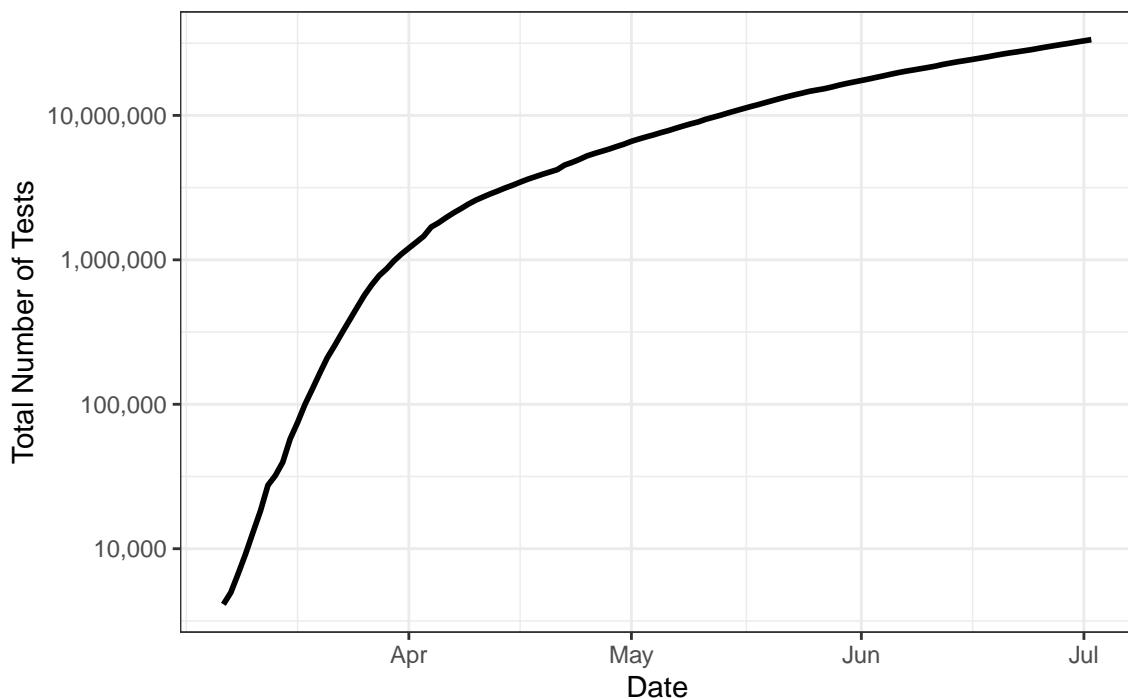
## One-Week Change in Daily Cases



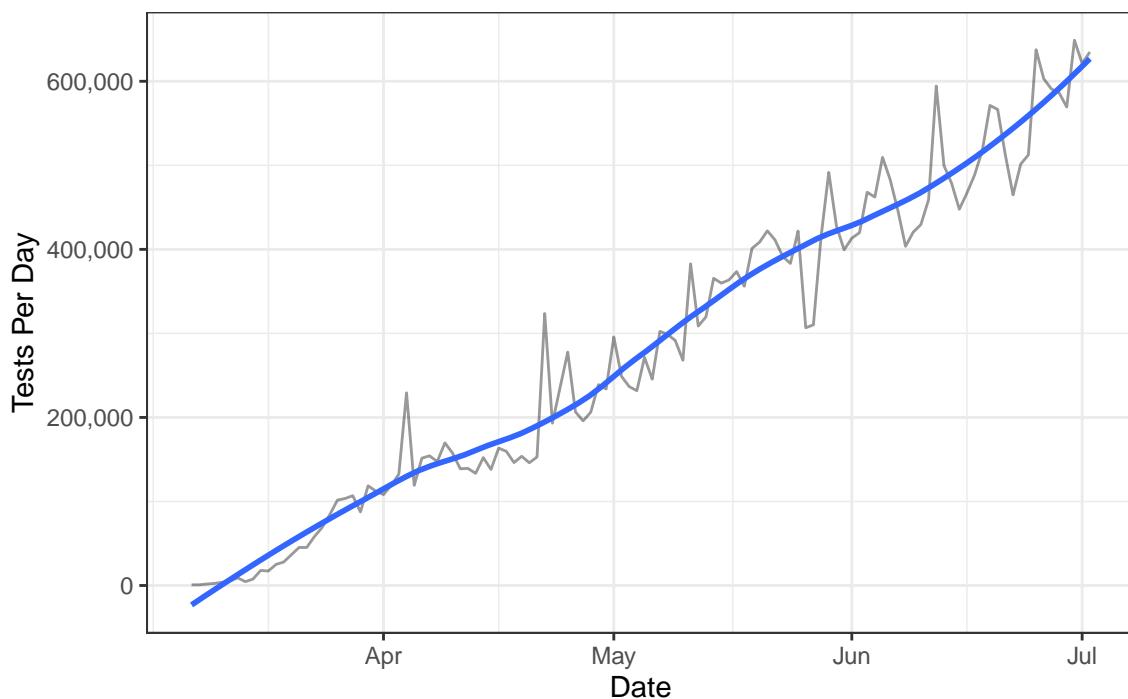
## Testing

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.

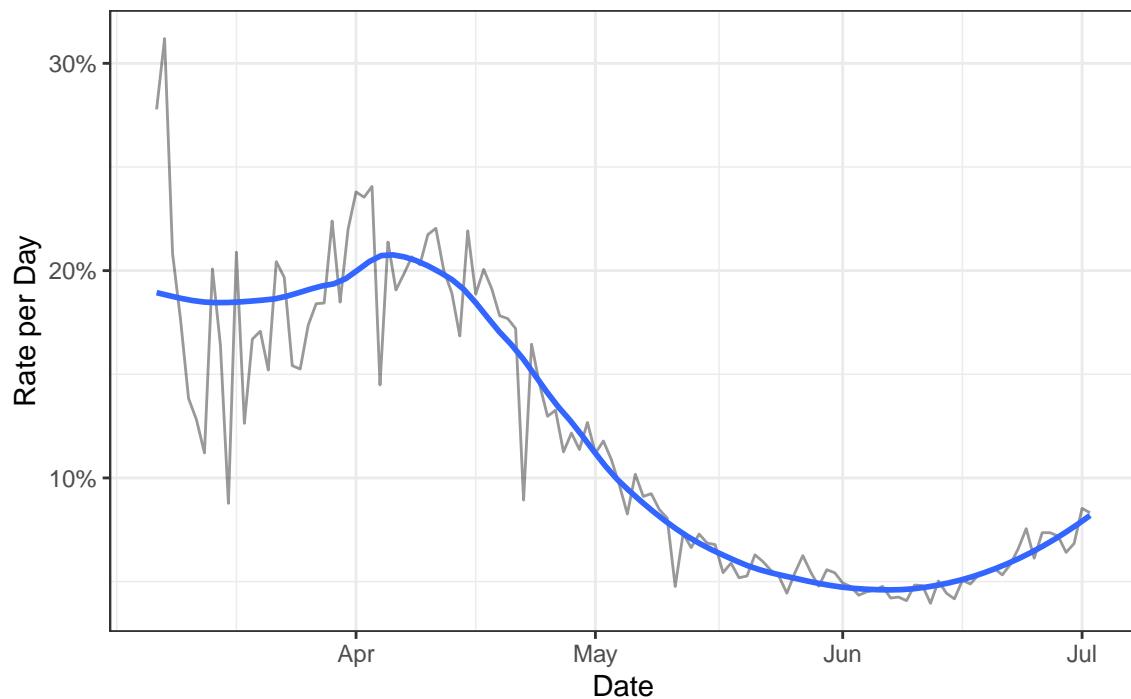
Tests



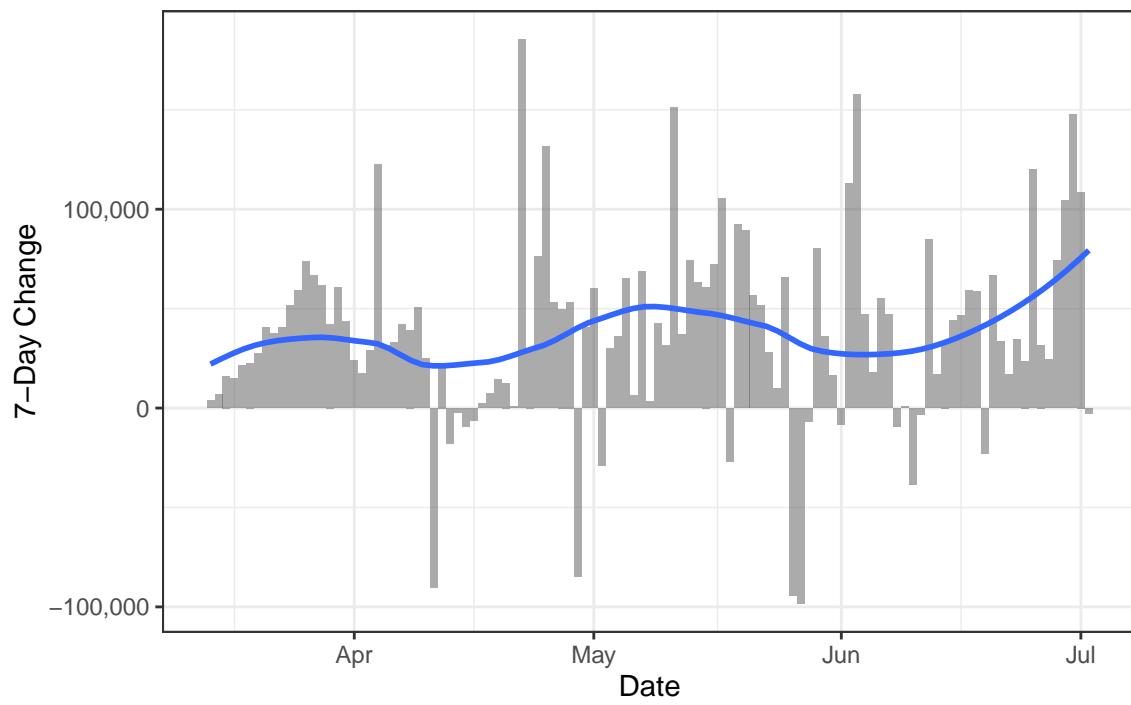
New Tests



### Positive Test Rate



### One-Week Change in Daily Tests

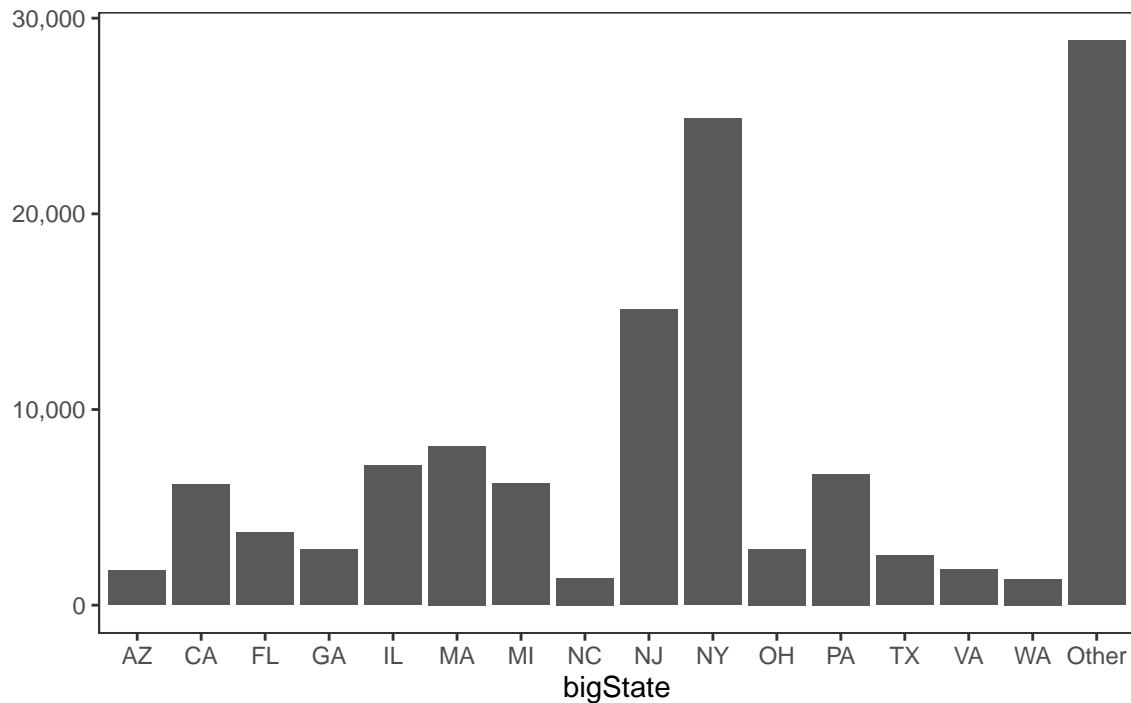


## State Data

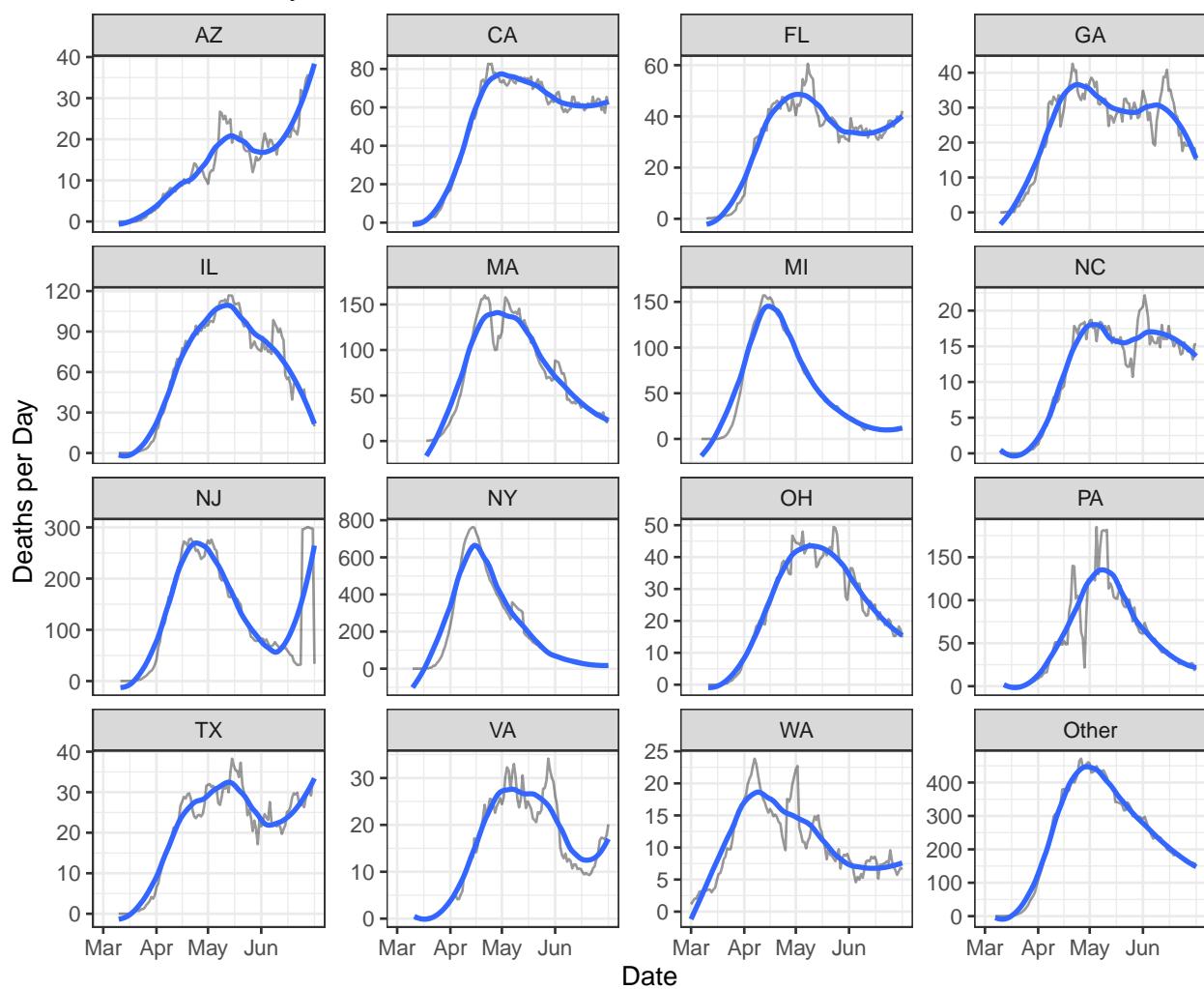
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

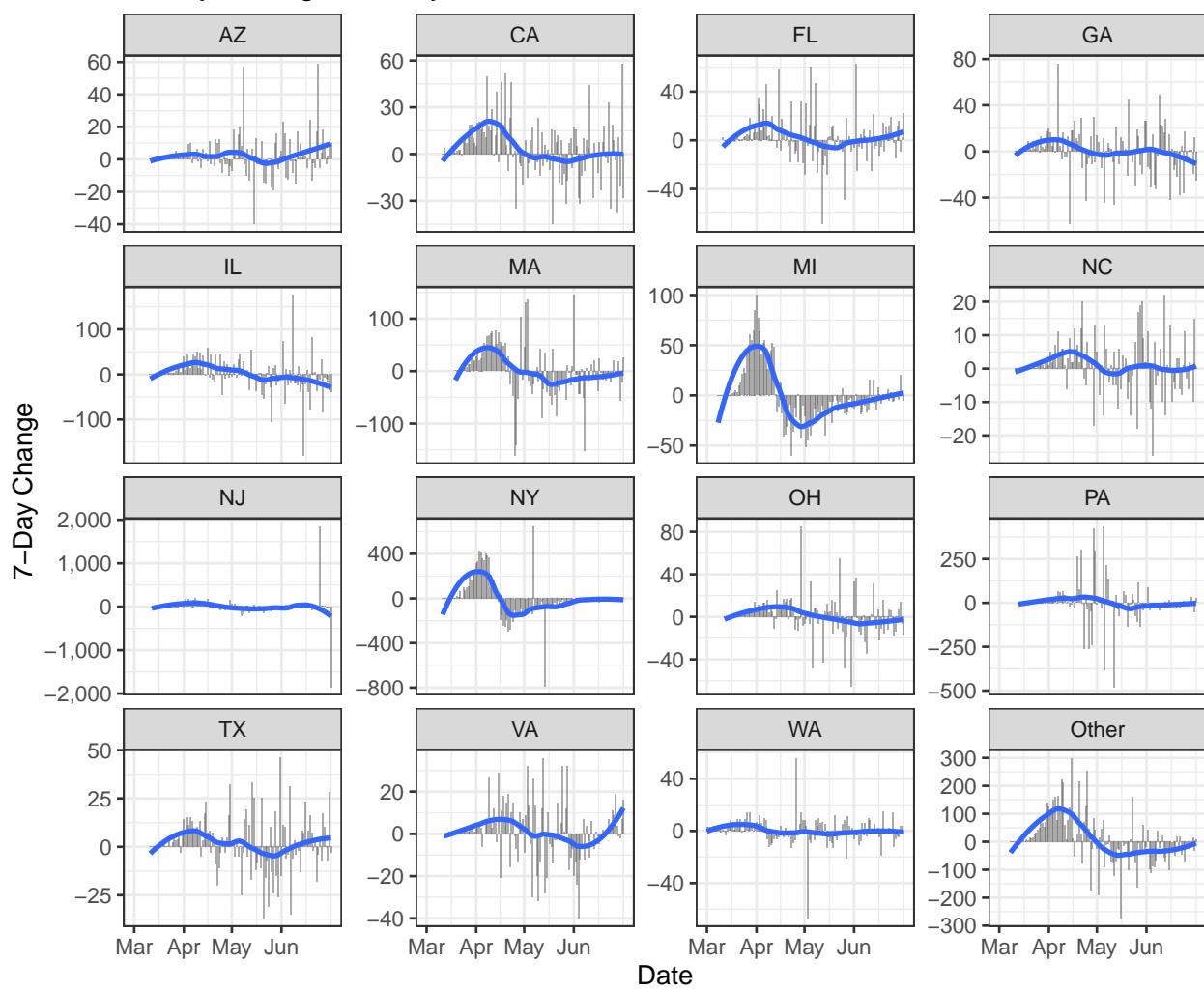
Deaths by State

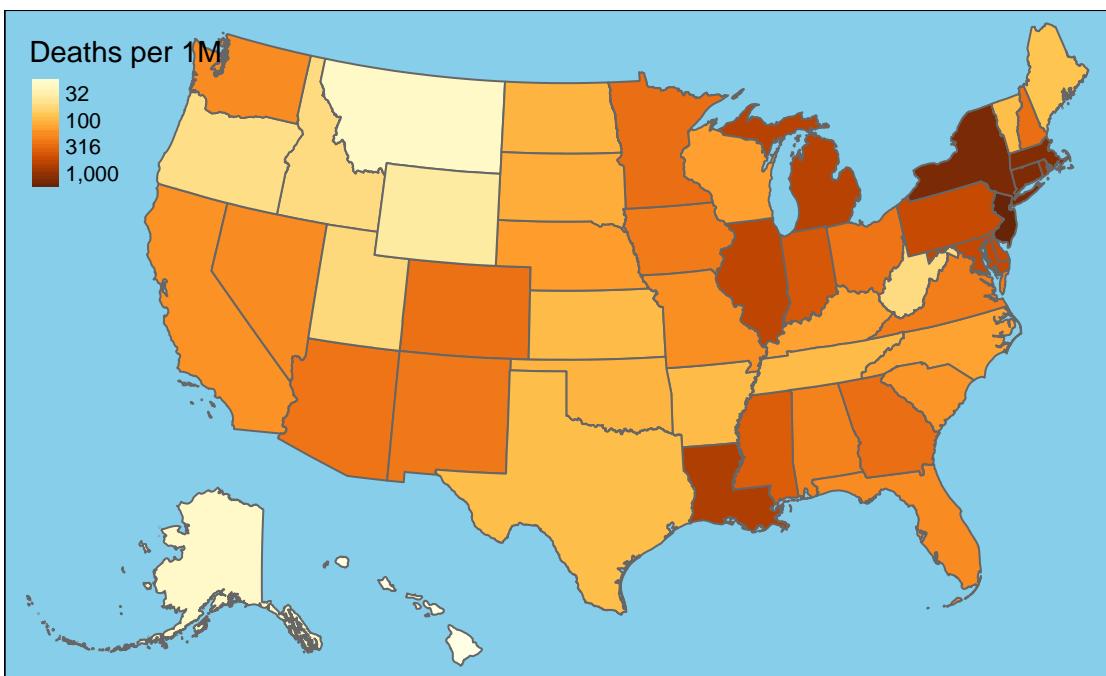
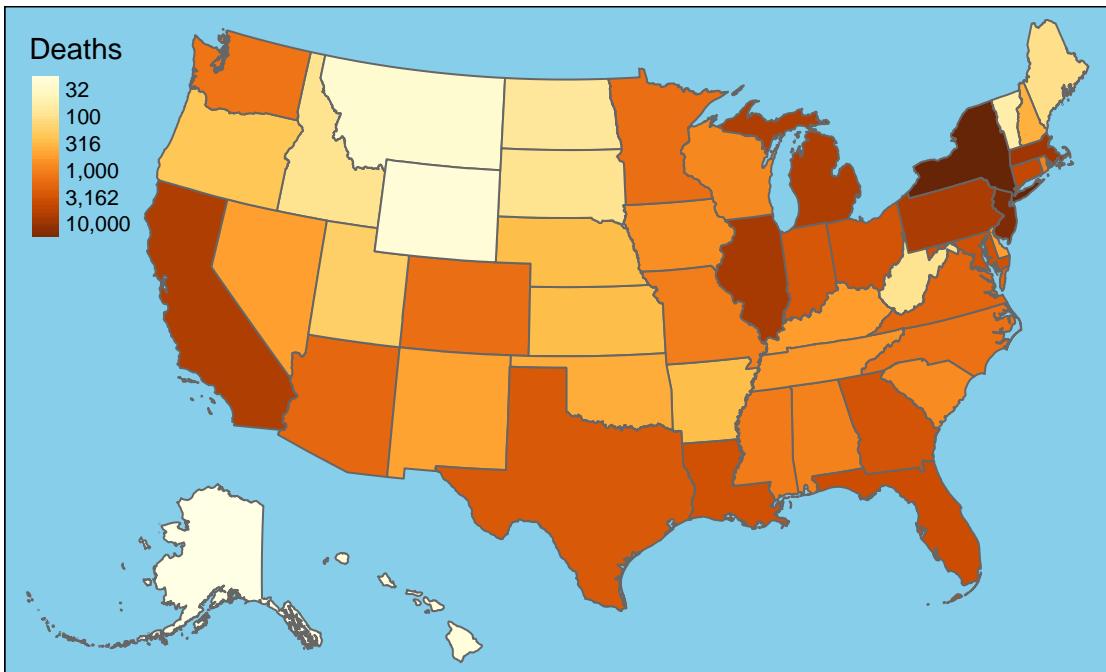


## New Deaths by State



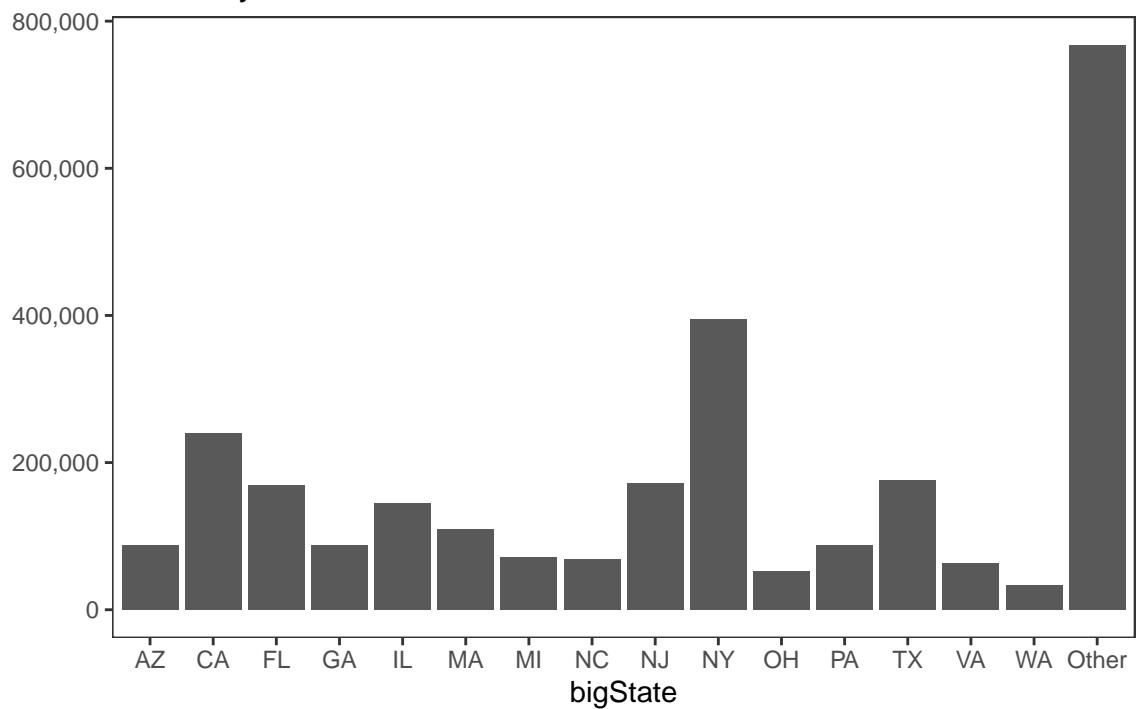
### 7-Day Change in Daily Deaths



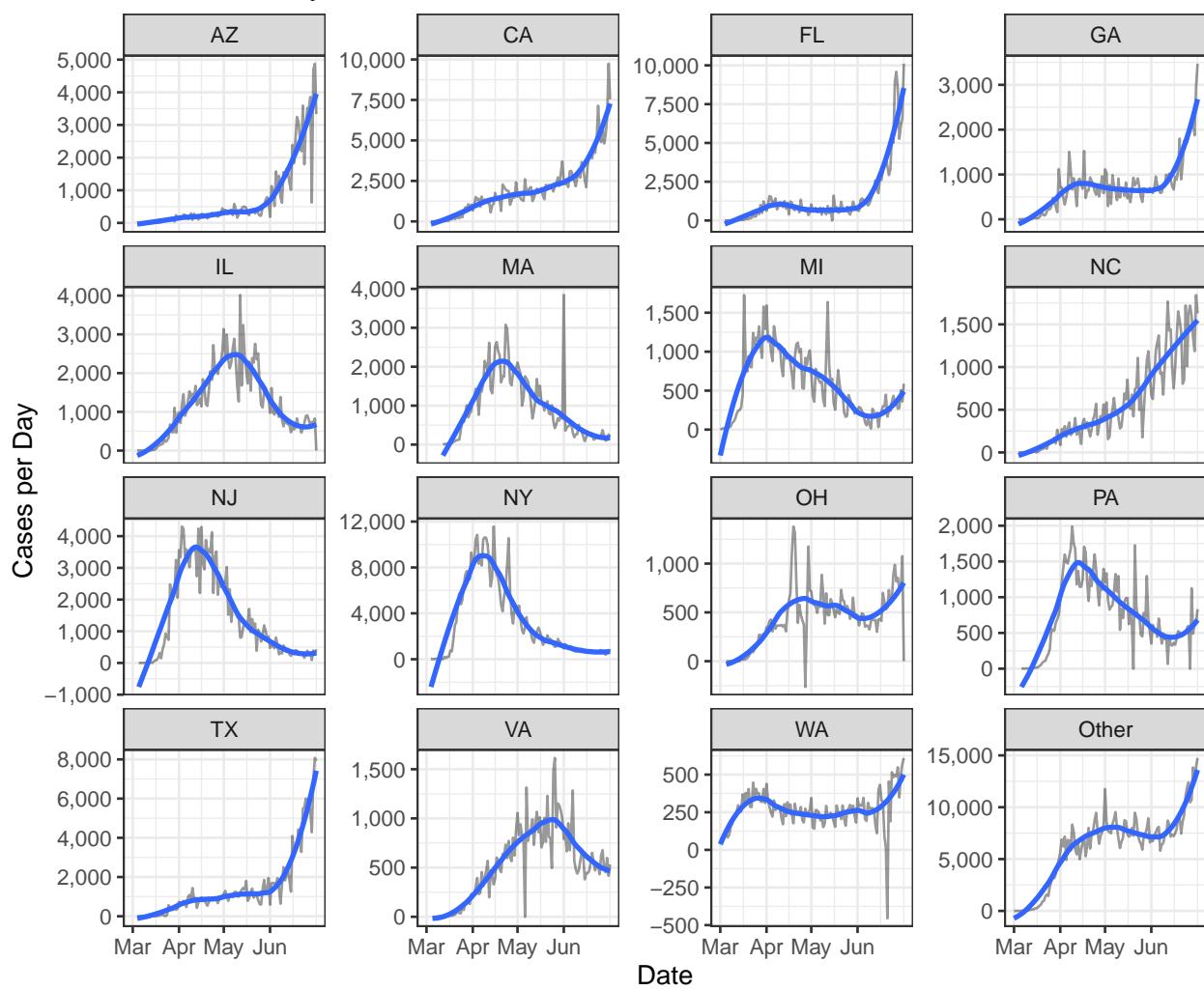


Cases

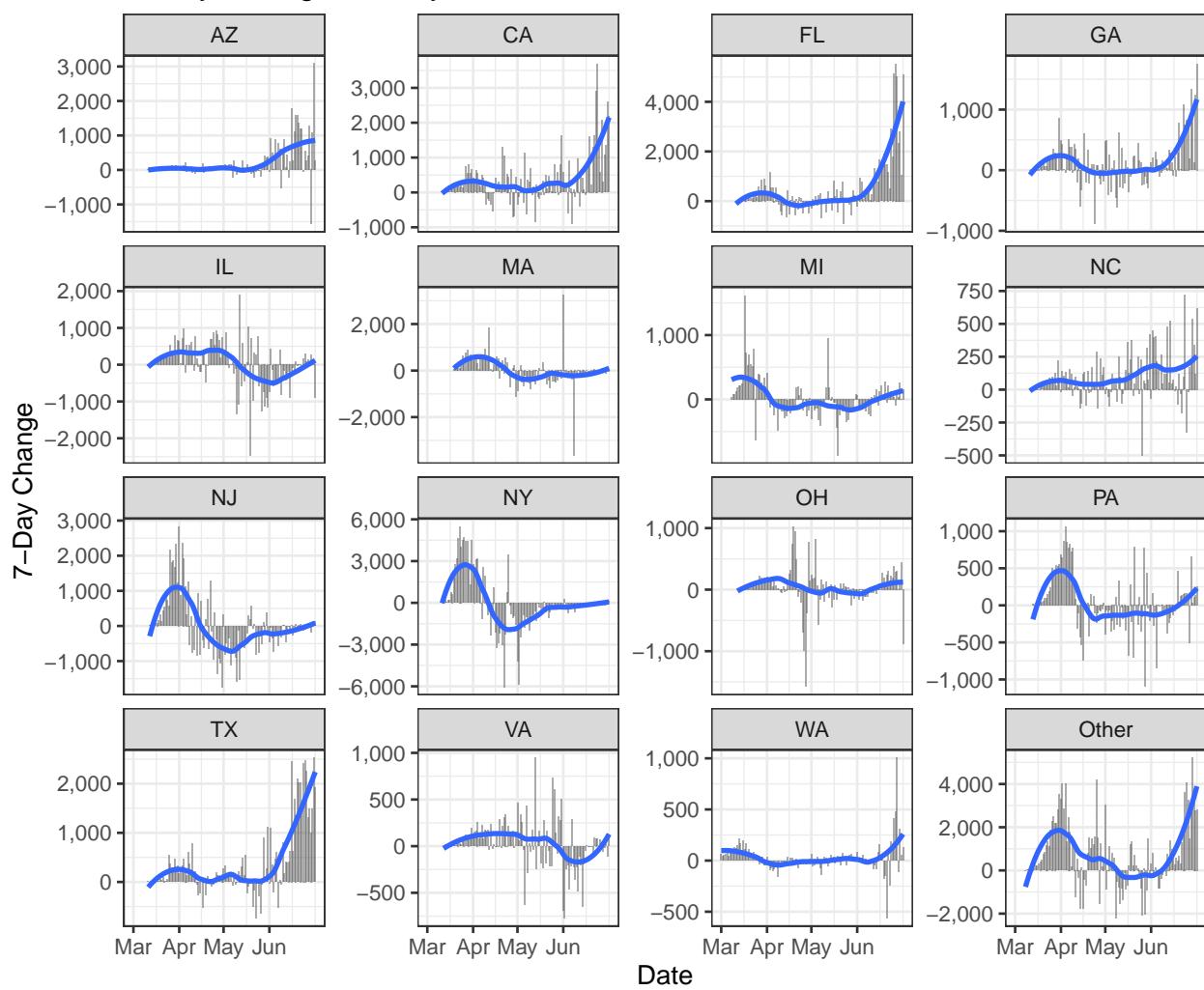
Cases by State

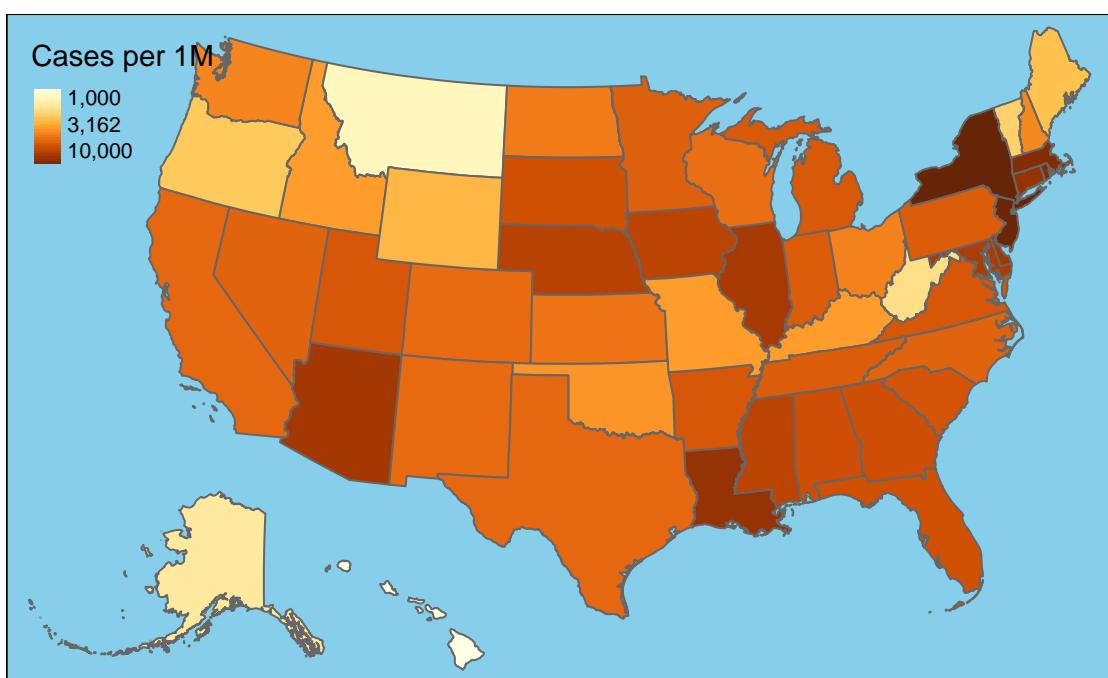
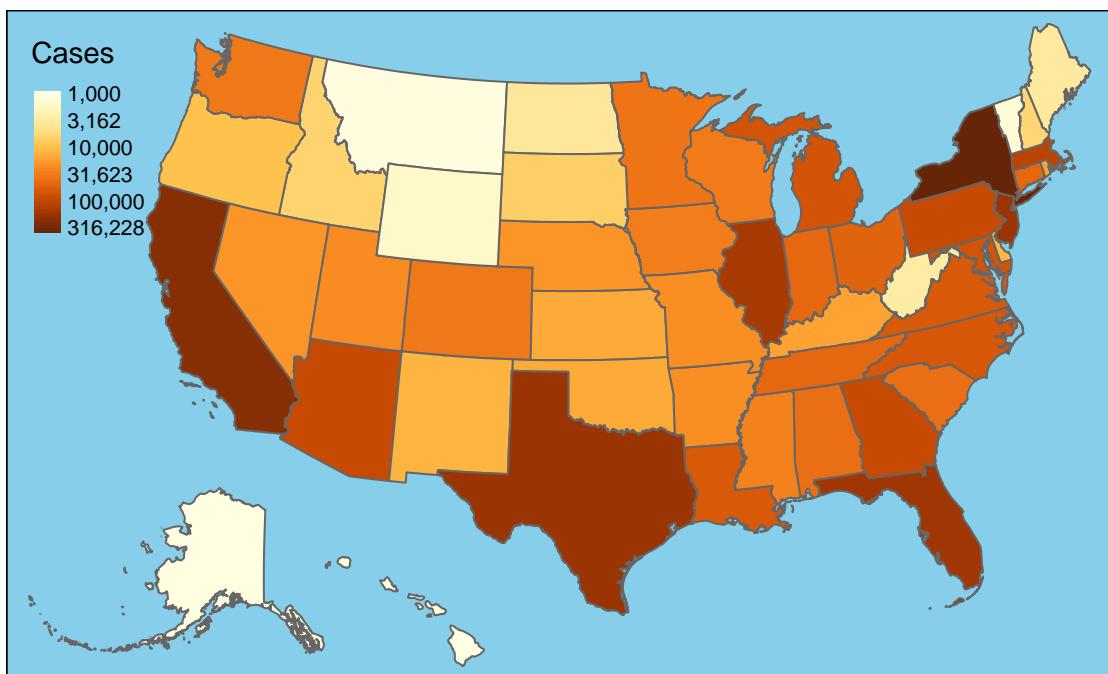


## New Cases by State



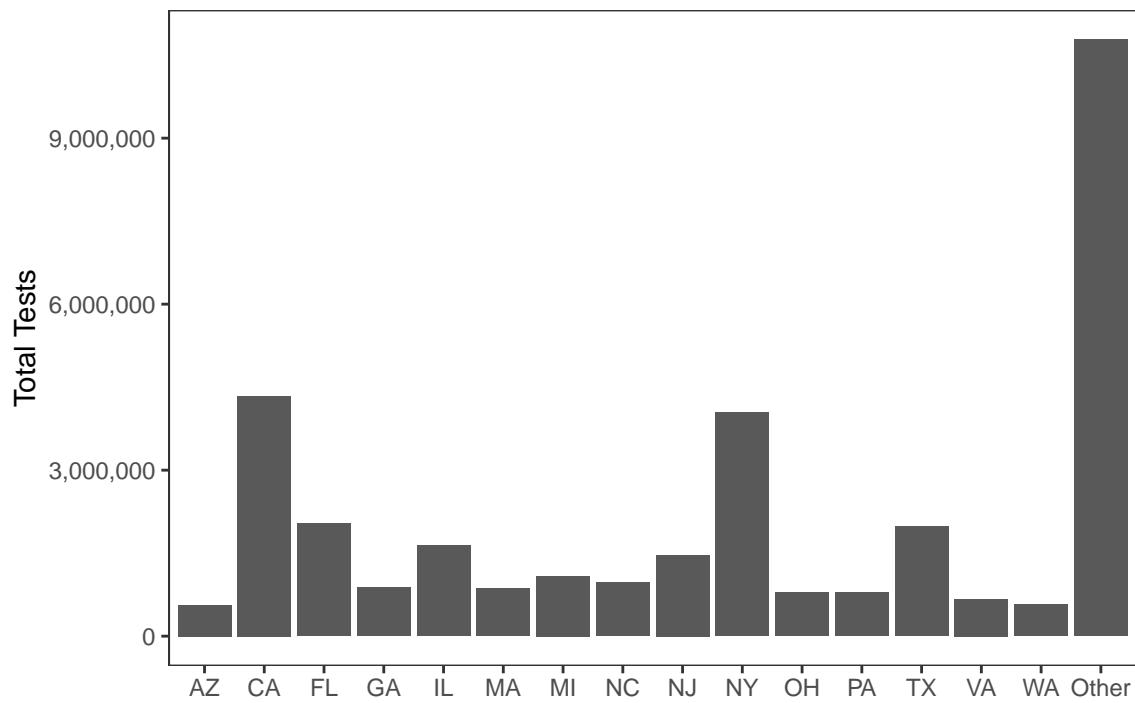
### 7-Day Change in Daily Cases



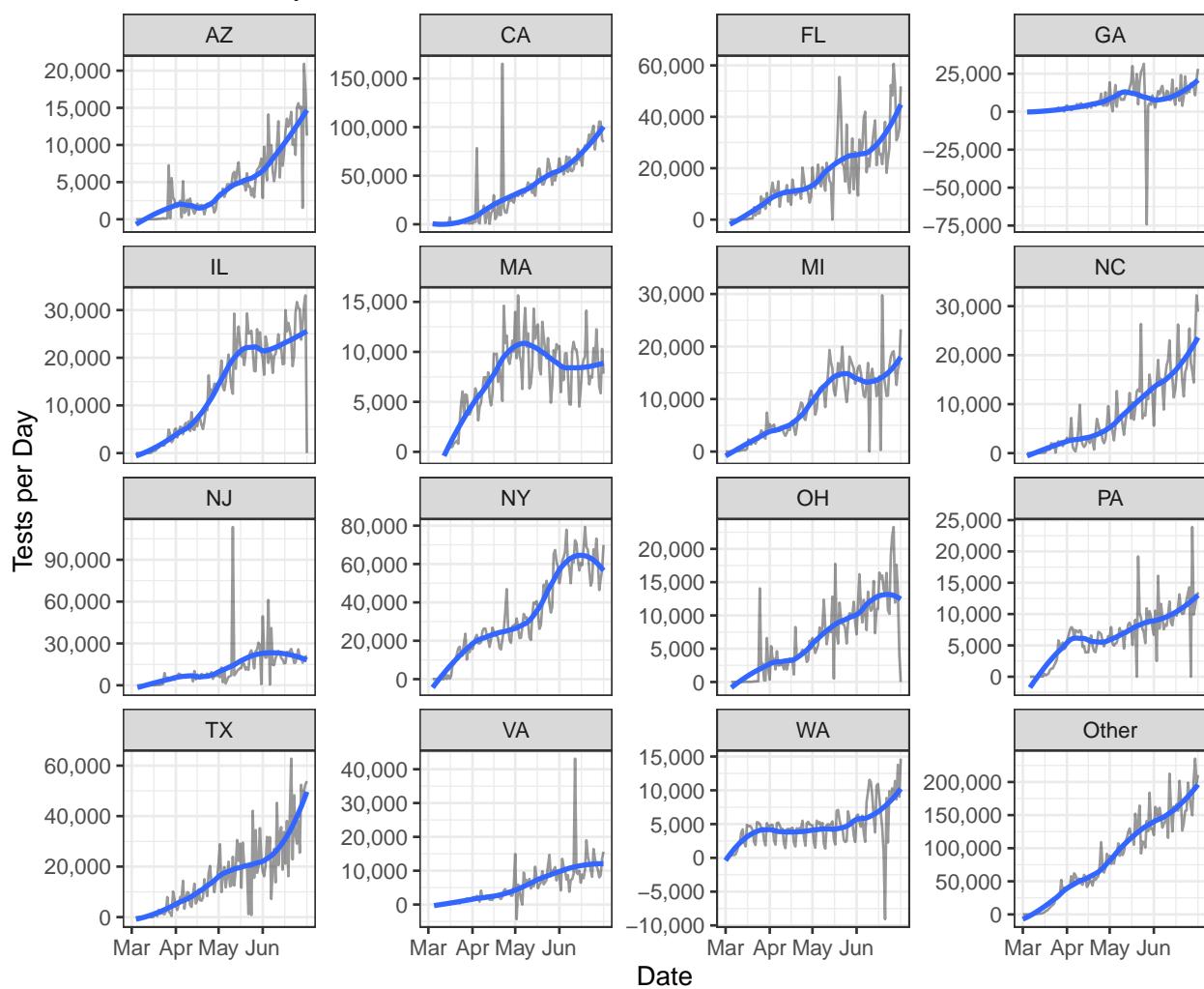


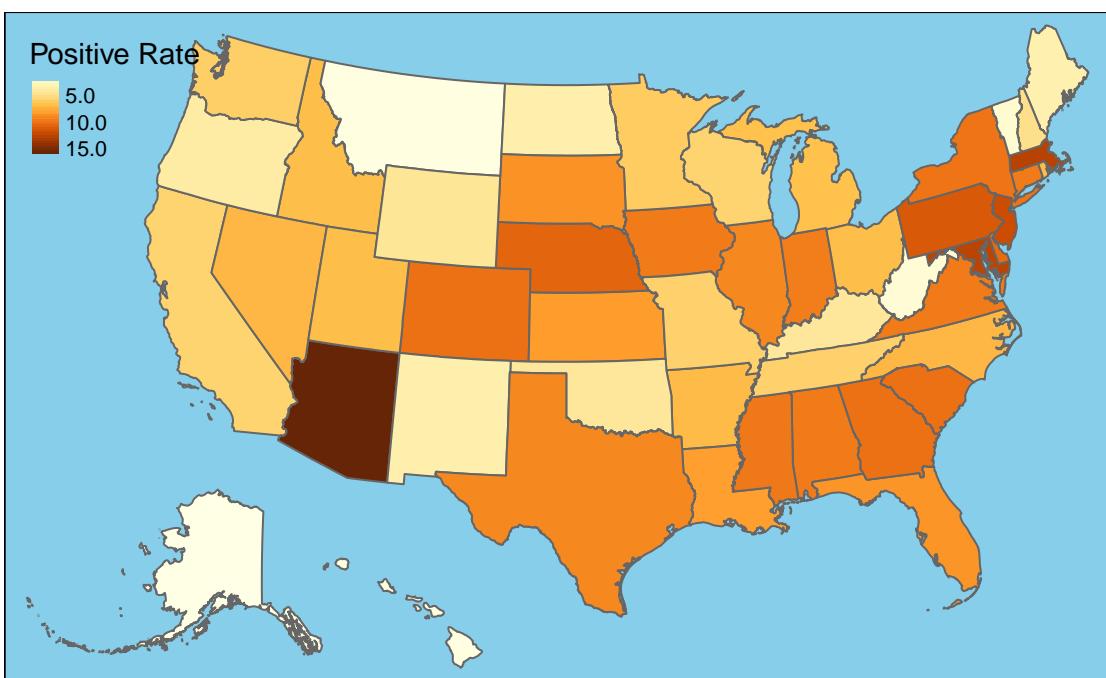
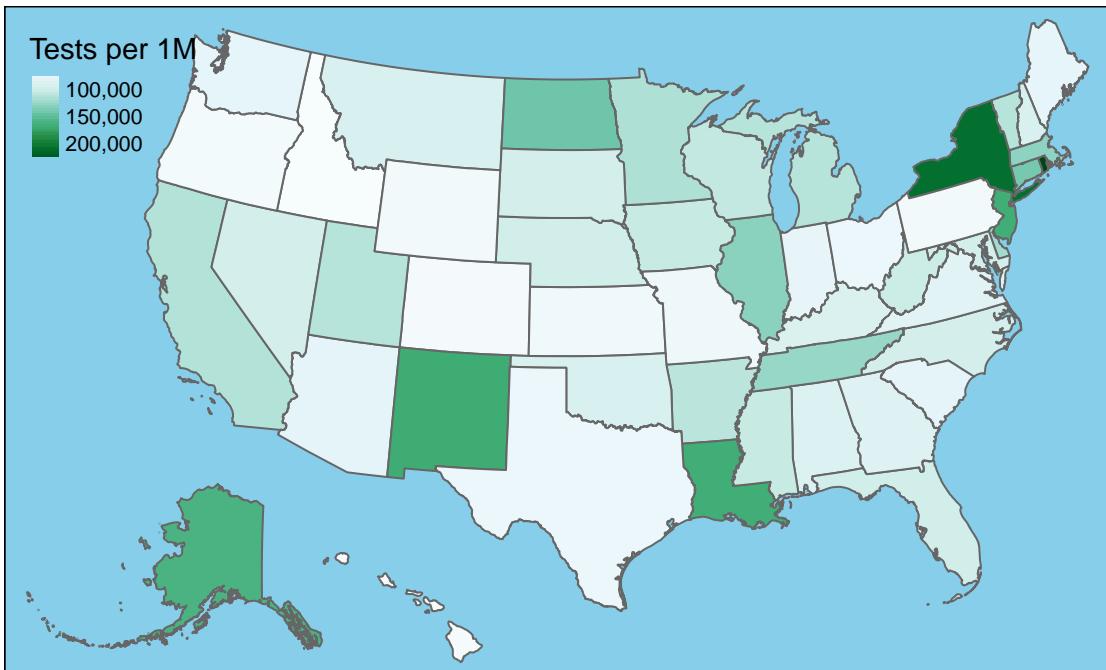
## Testing

Tests by State



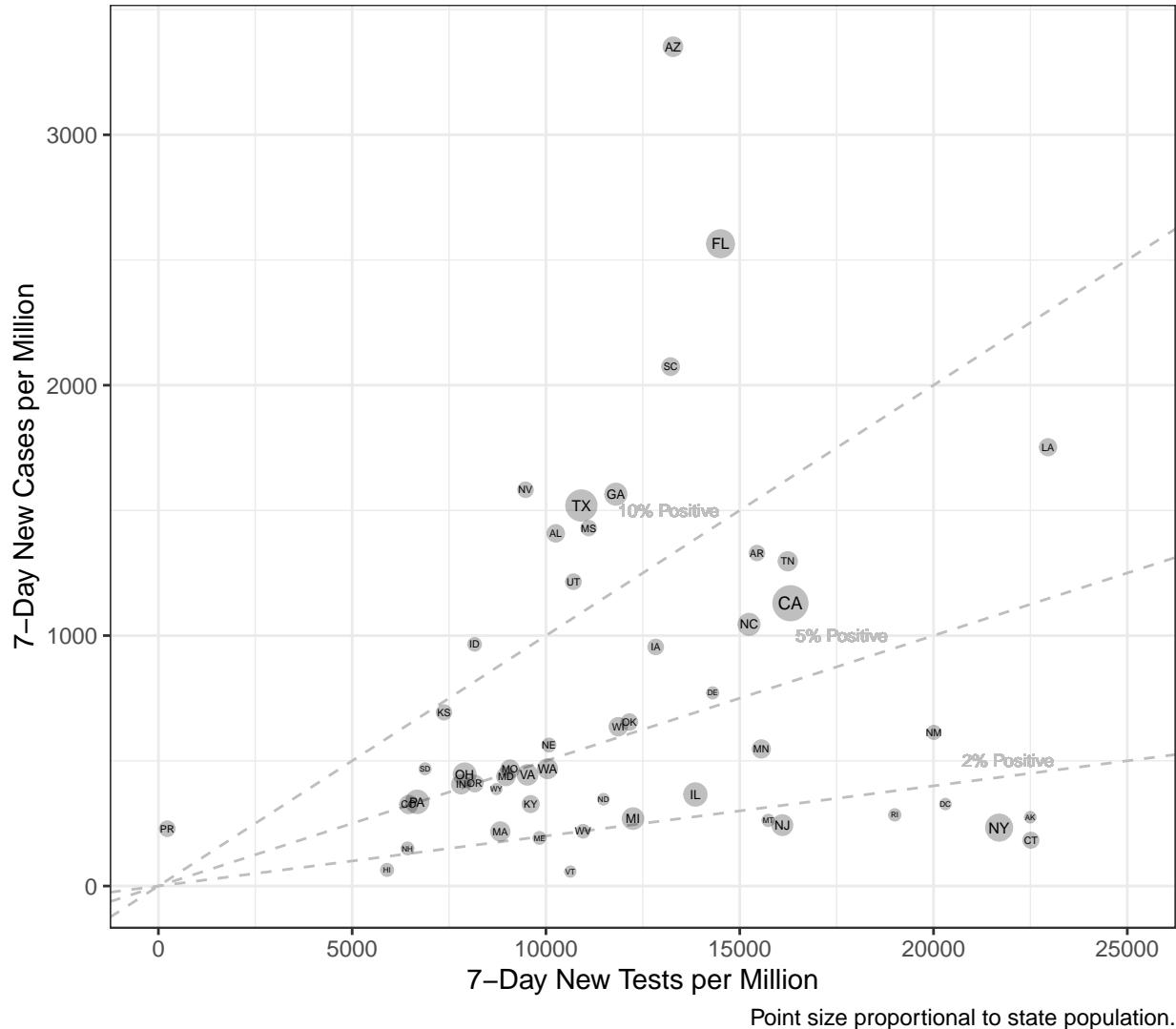
## New Tests by State





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

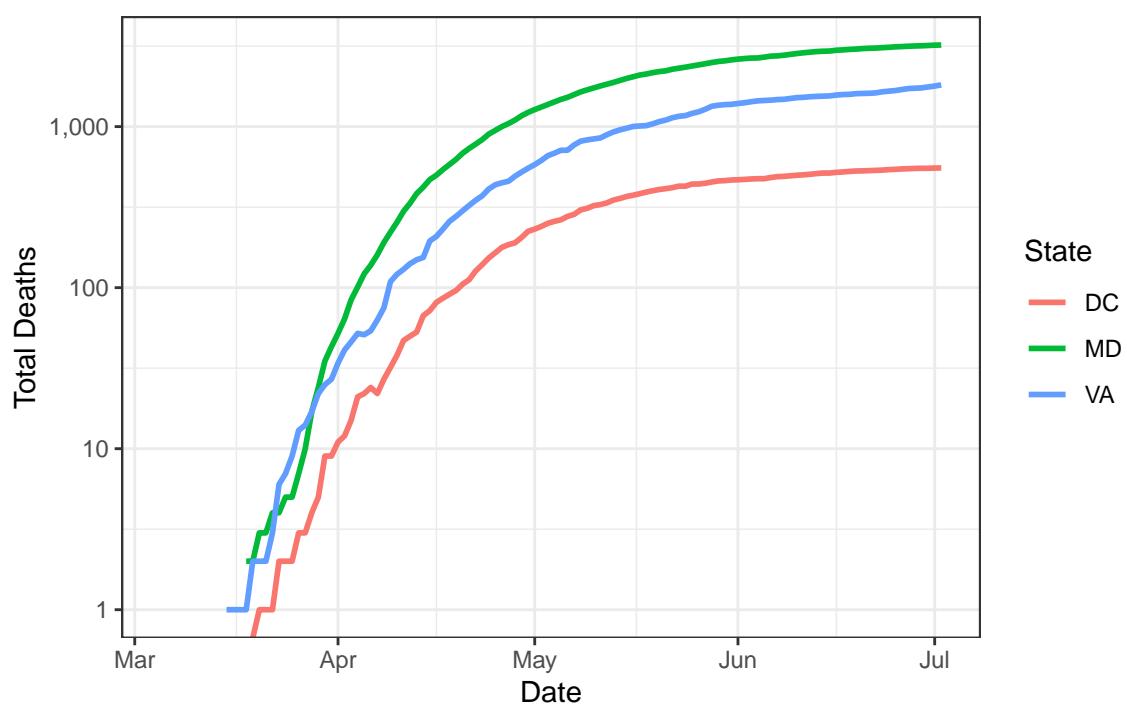
The following charts and tables present mortality, case, and testing data for the Washington DC metropolitan area and adjacent states.

Table 3: Latest Local Data

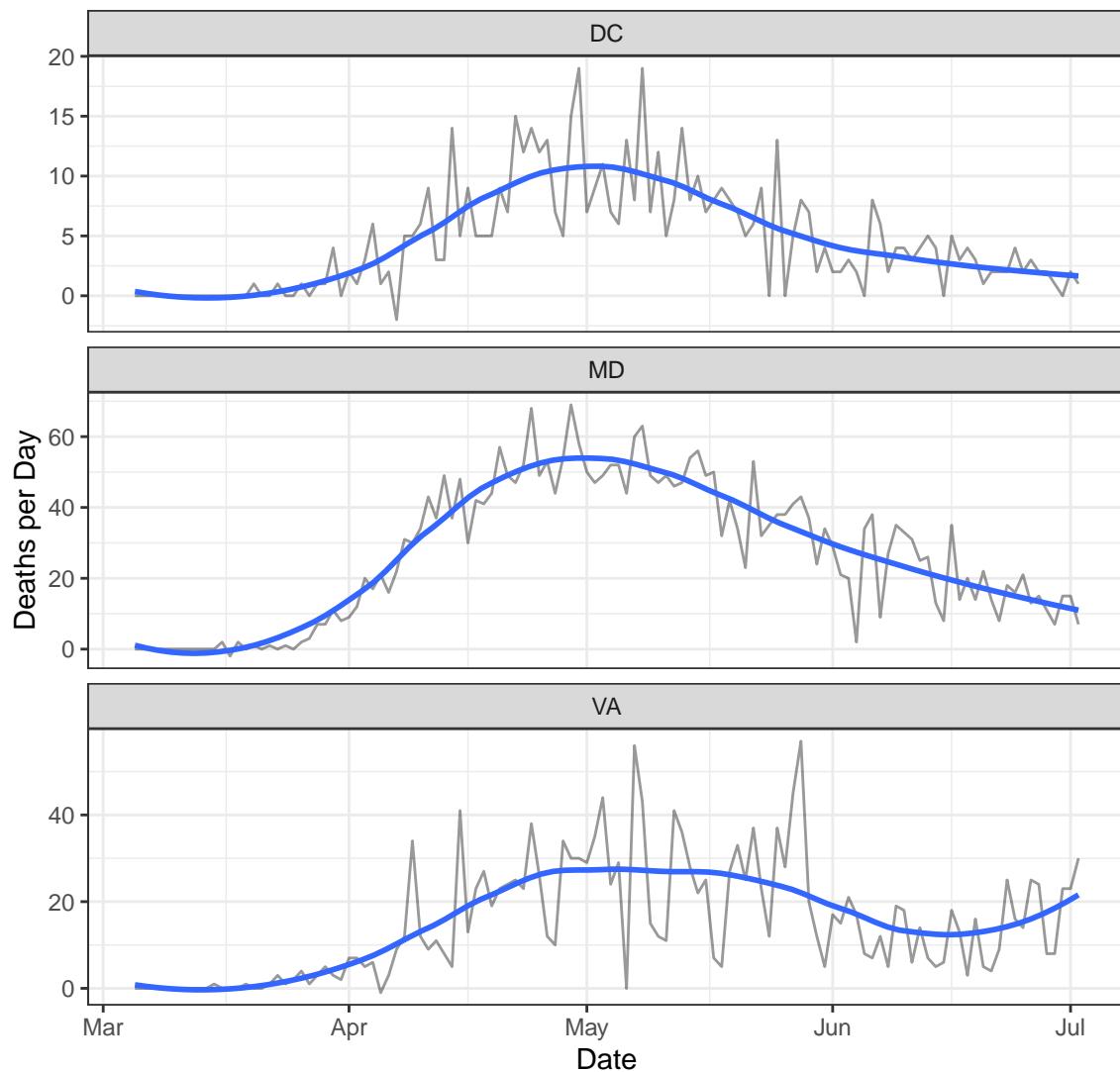
State	Cases	Deaths	New Cases	New Deaths
DC	10,390	554	25	1
MD	68,423	3,212	505	7
VA	63,735	1,816	532	30

## Deaths

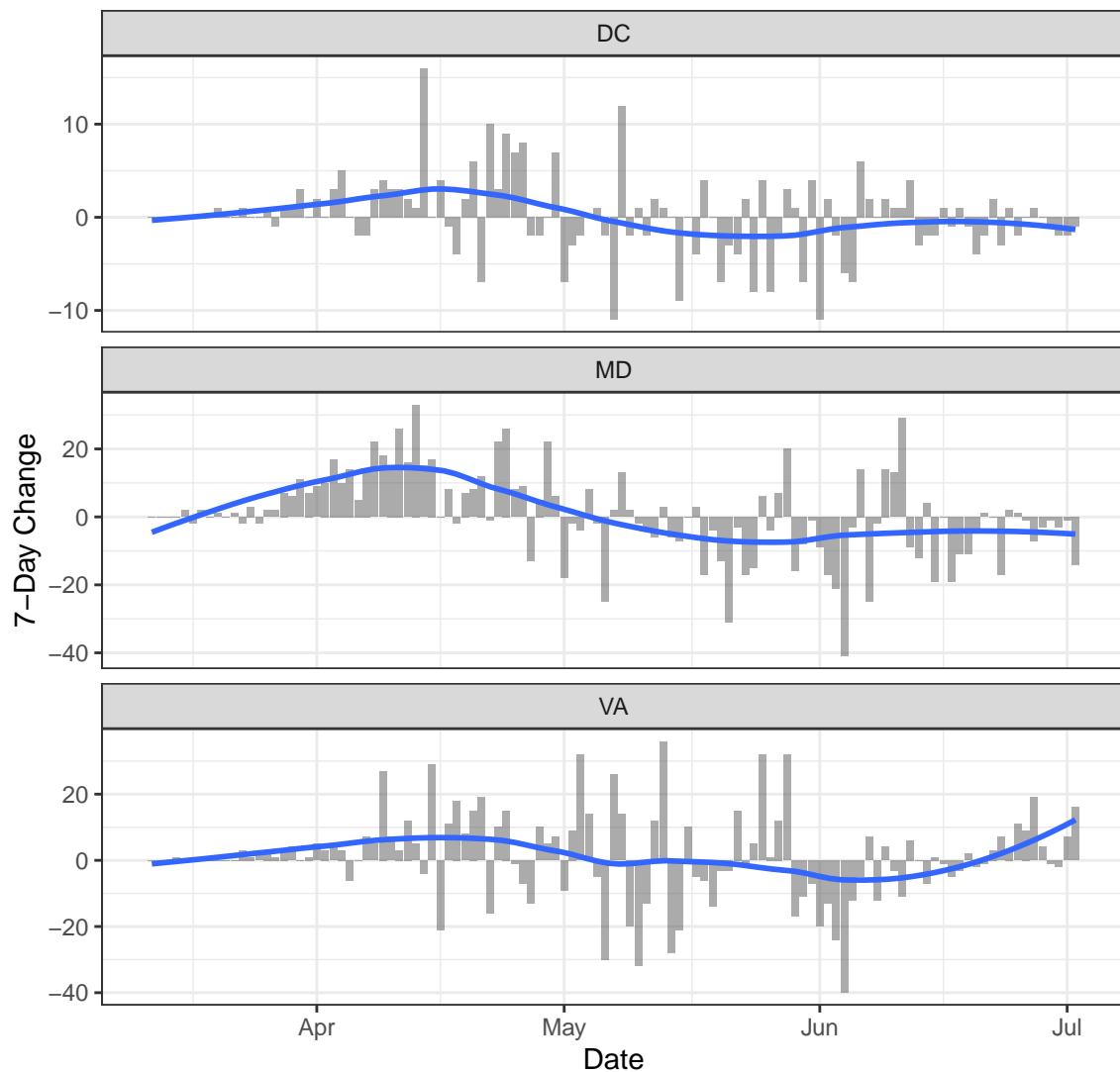
### Deaths

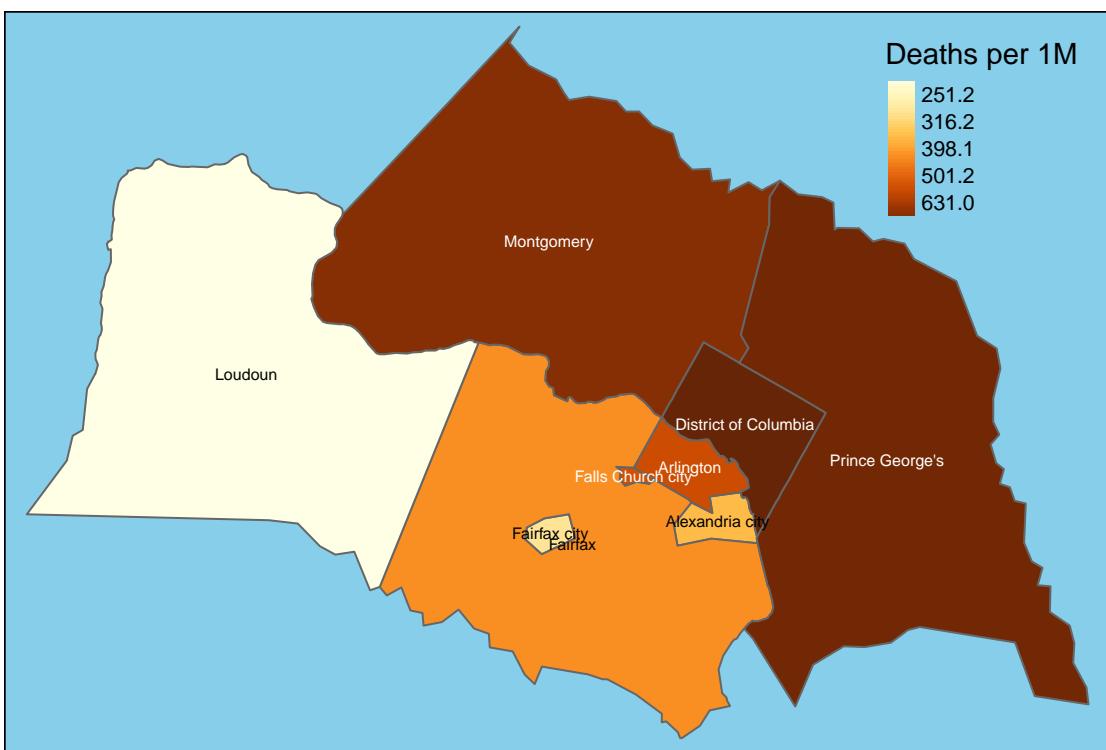
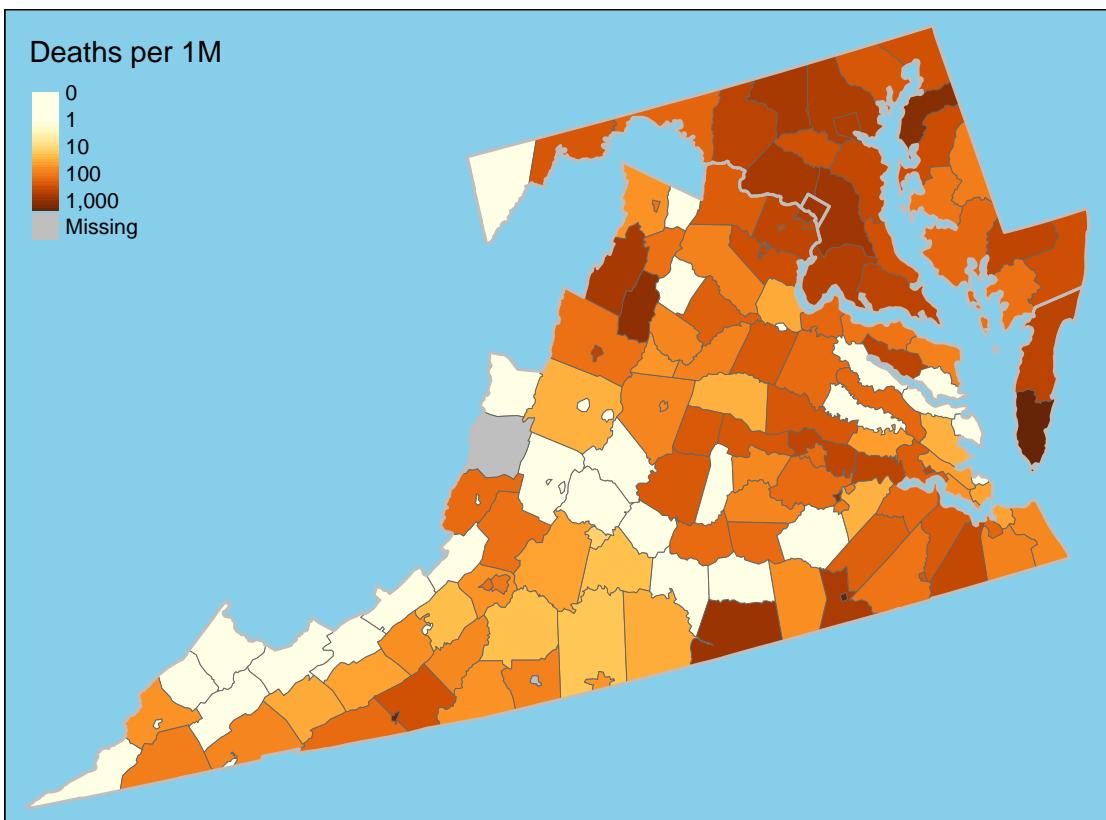


## New Deaths

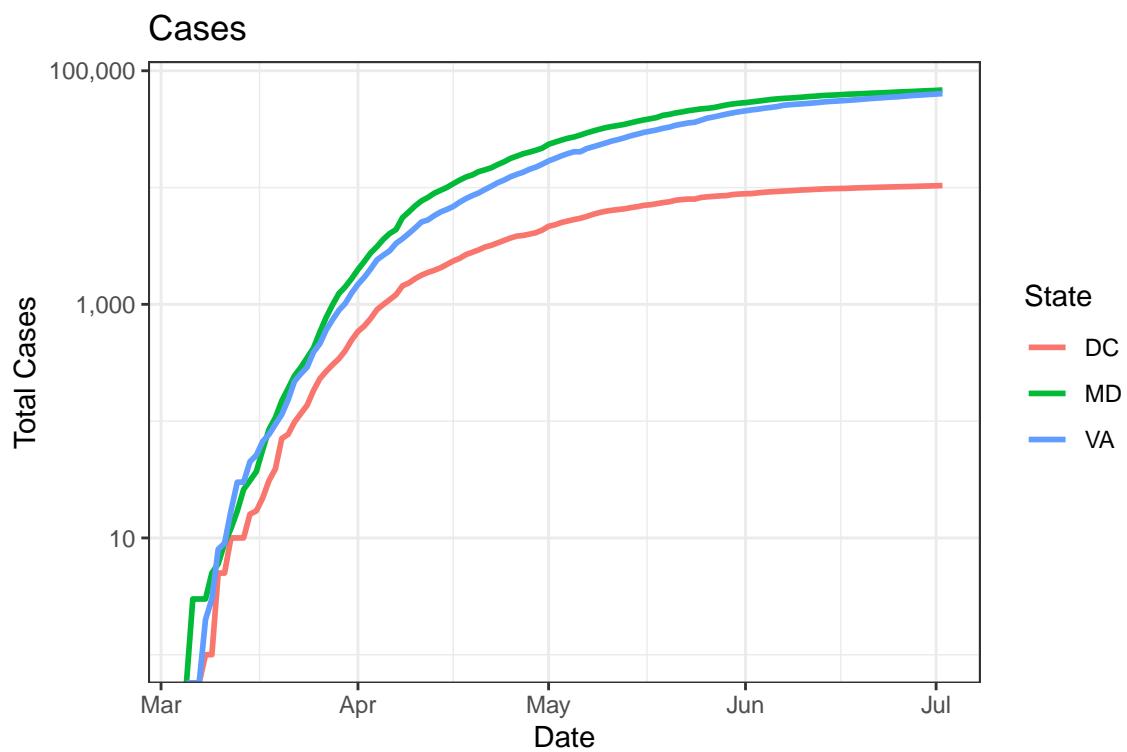


## One-Week Change in Daily Deaths

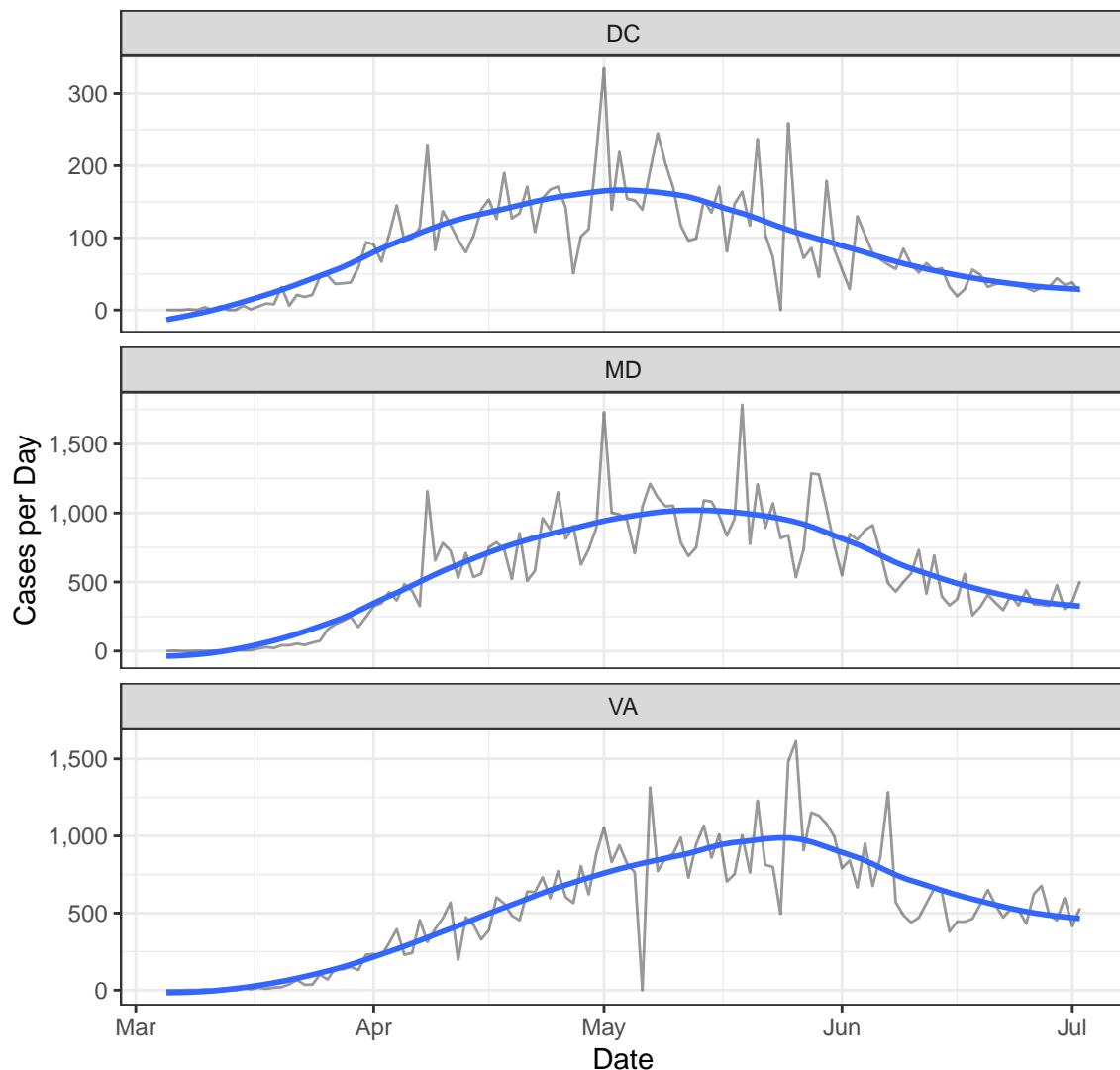




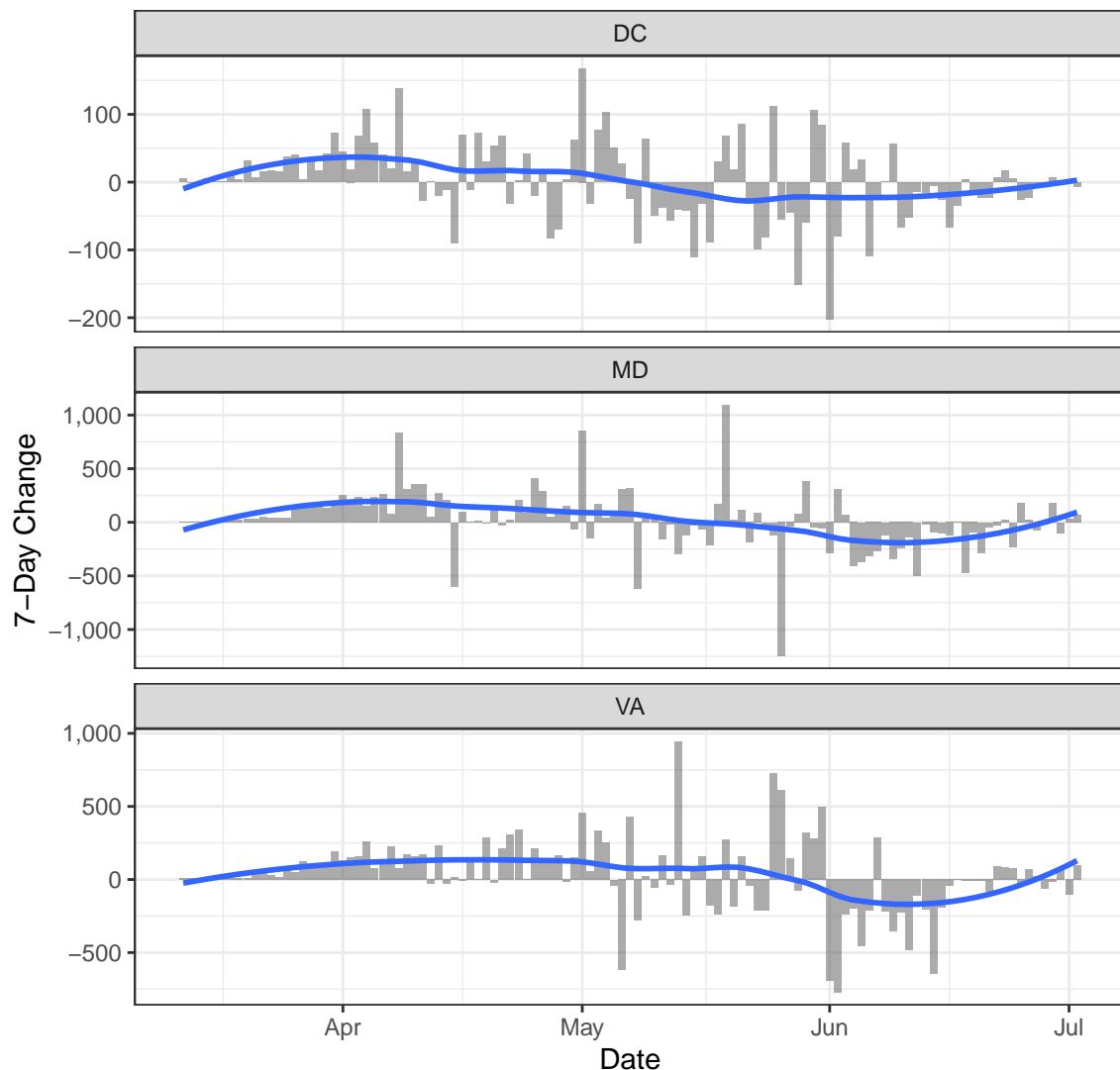
## Cases

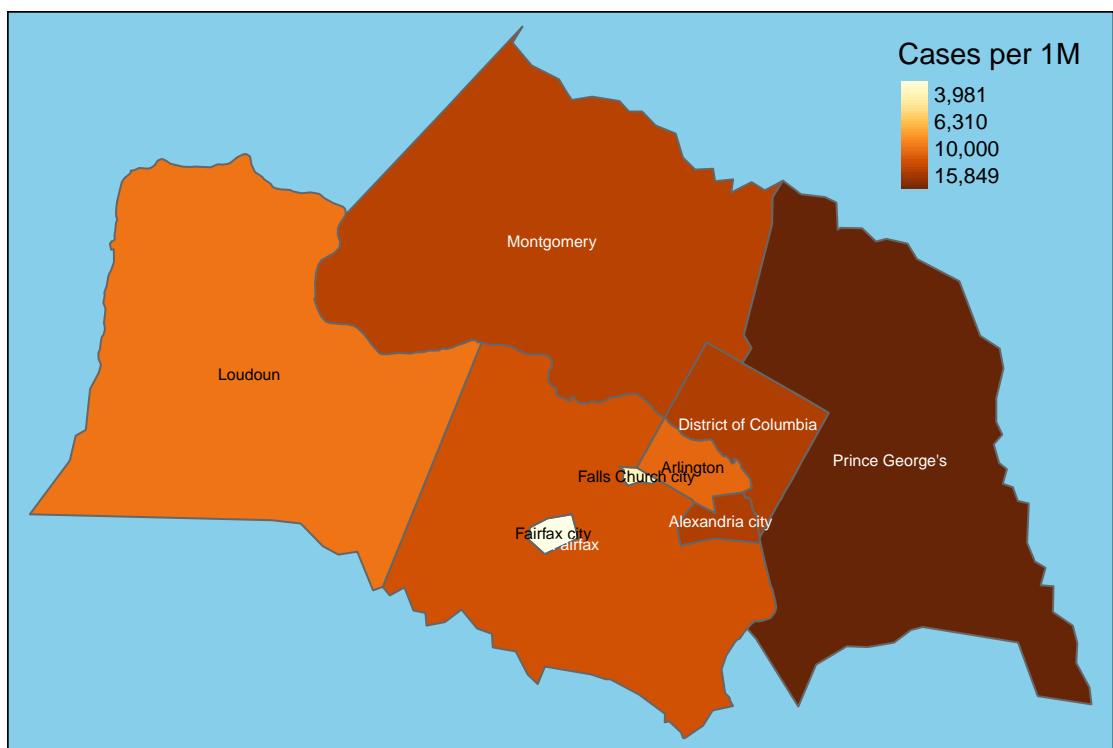
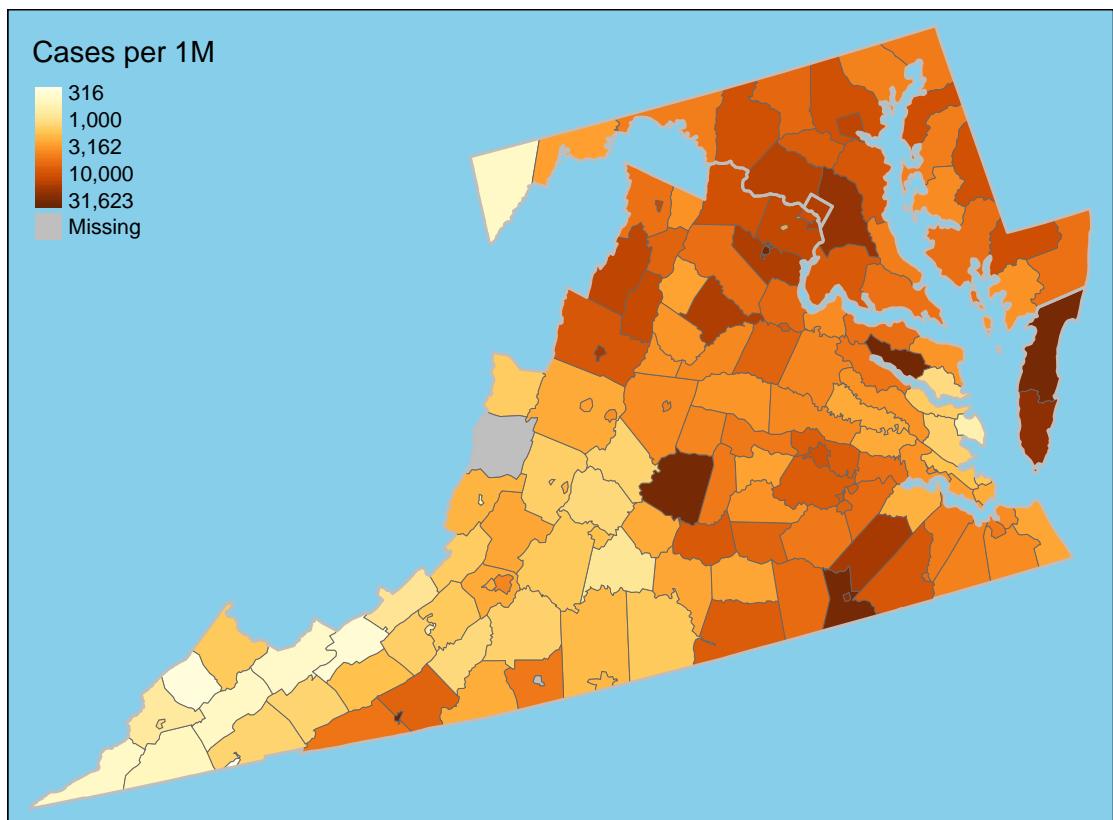


## New Cases

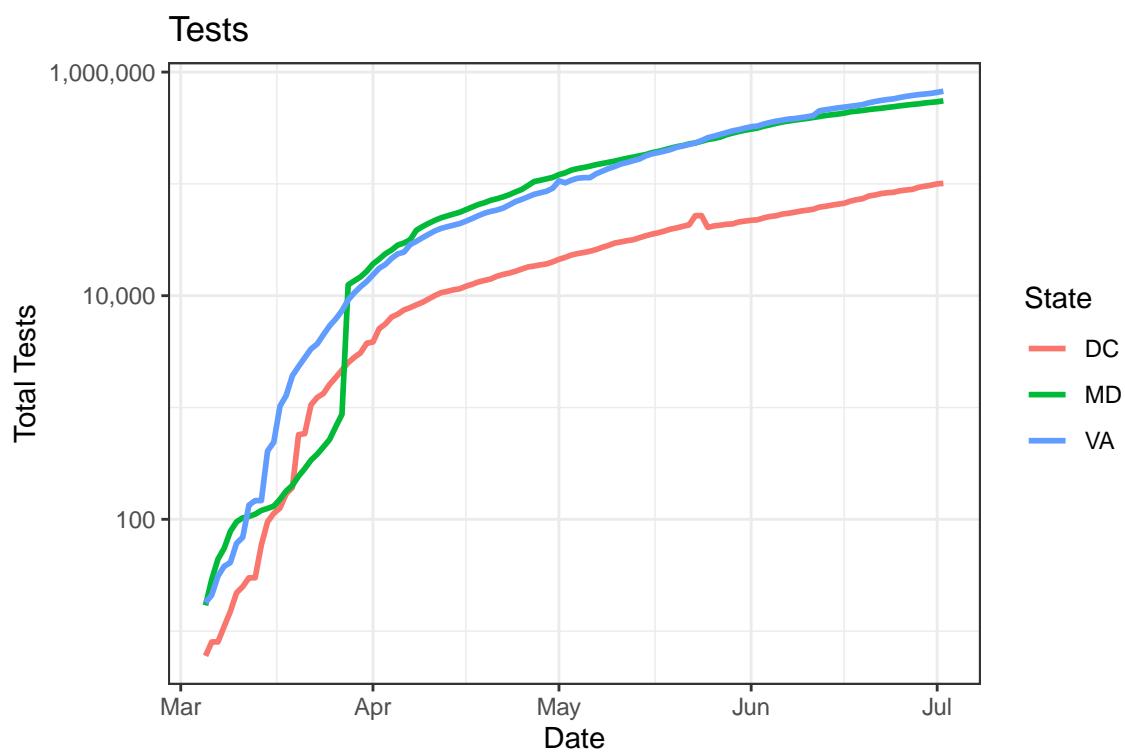


## One-Week Change in Daily Cases

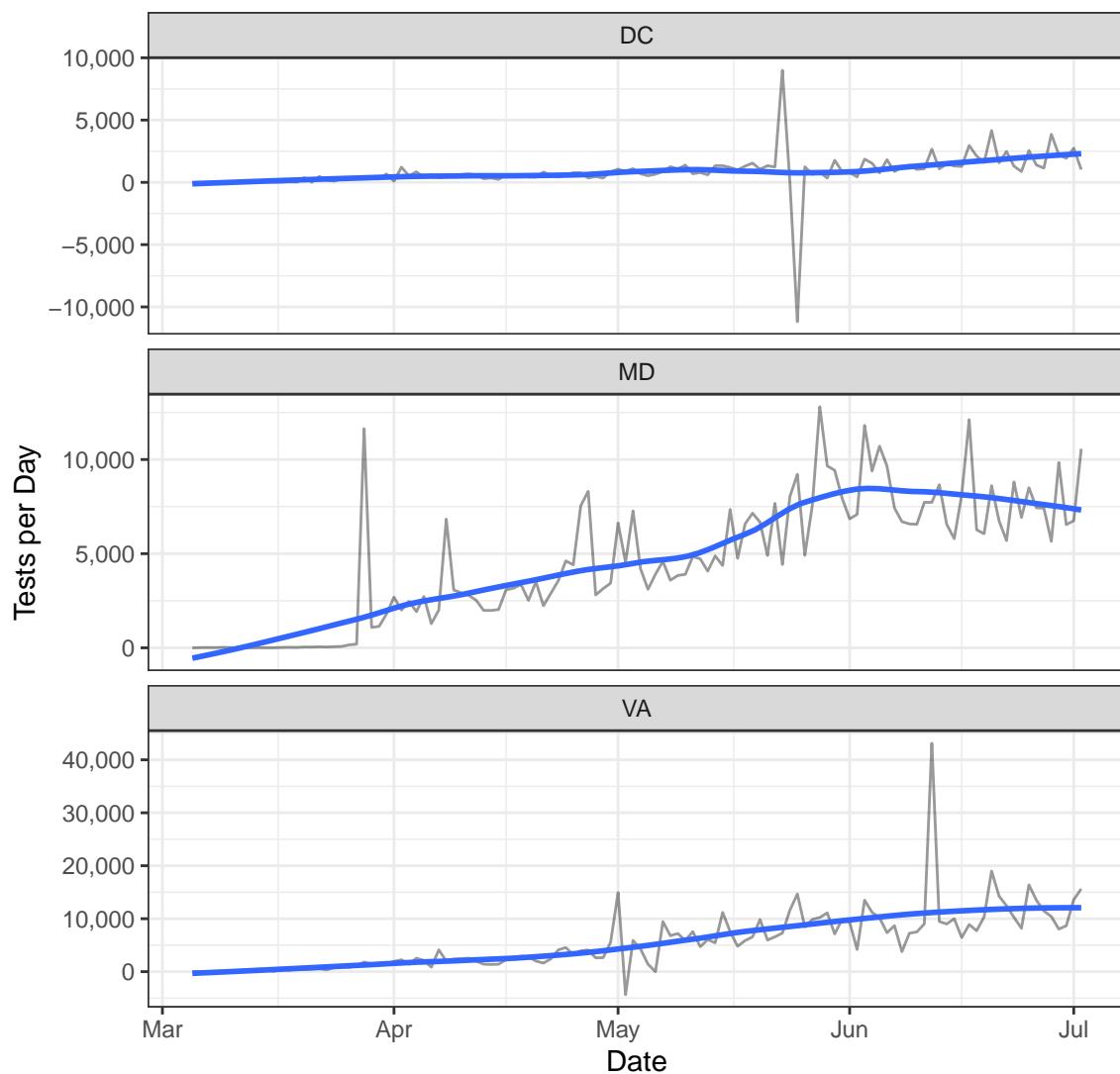




## Testing



## New Tests



## Positive Test Rate

