

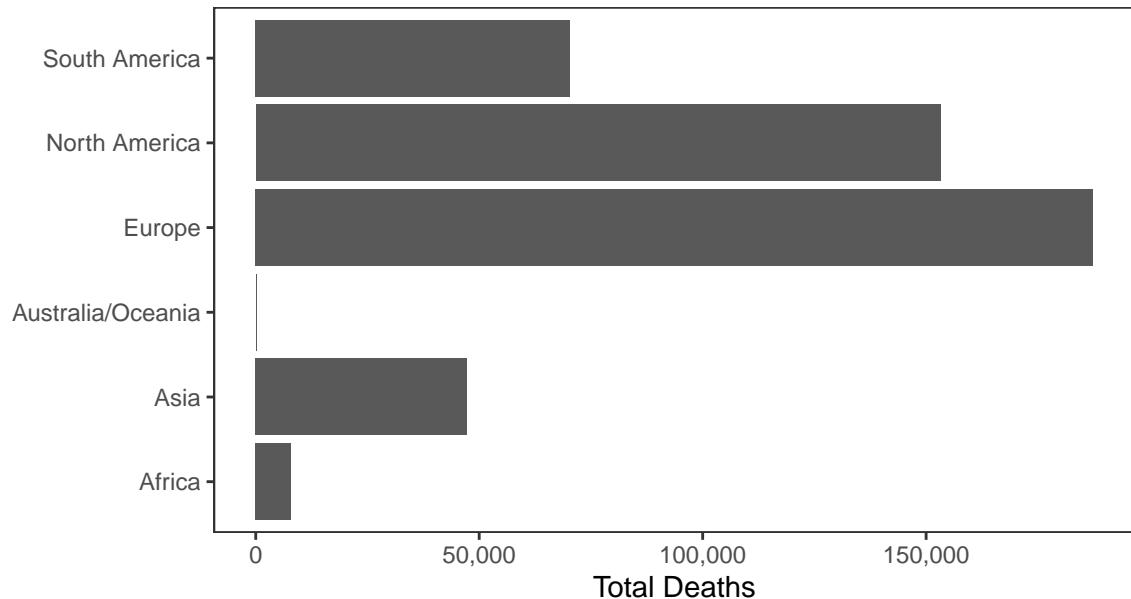
# Erik's Covid-19 Chart Pack

Data updated 2020-06-21 09:16:11. 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 8,908,555 confirmed Covid-19 cases and 466,266 deaths worldwide.

**Deaths**



**Cases**

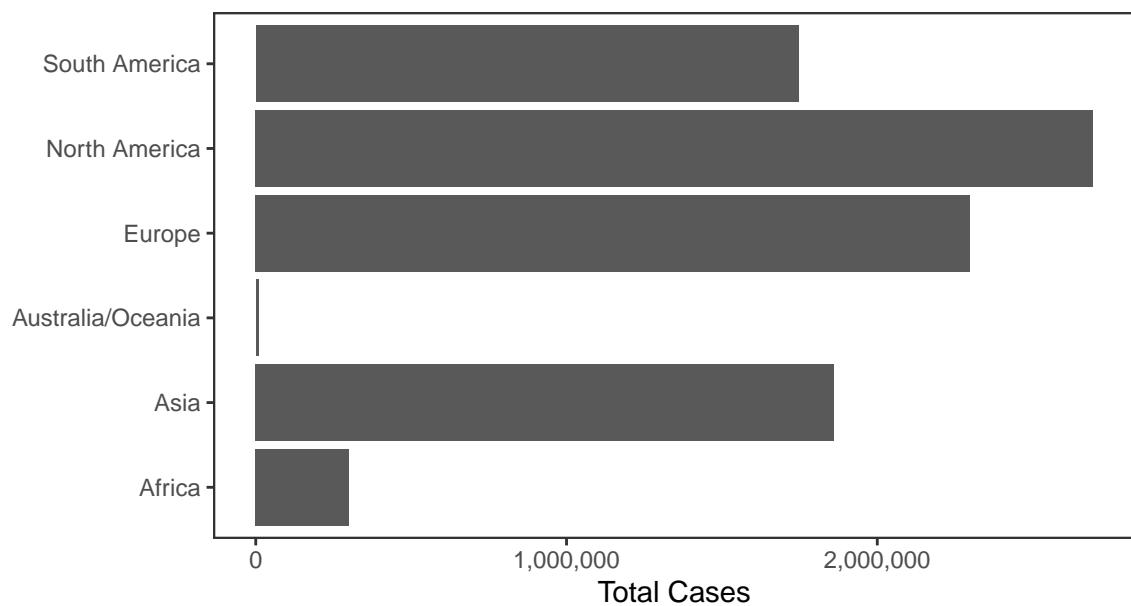
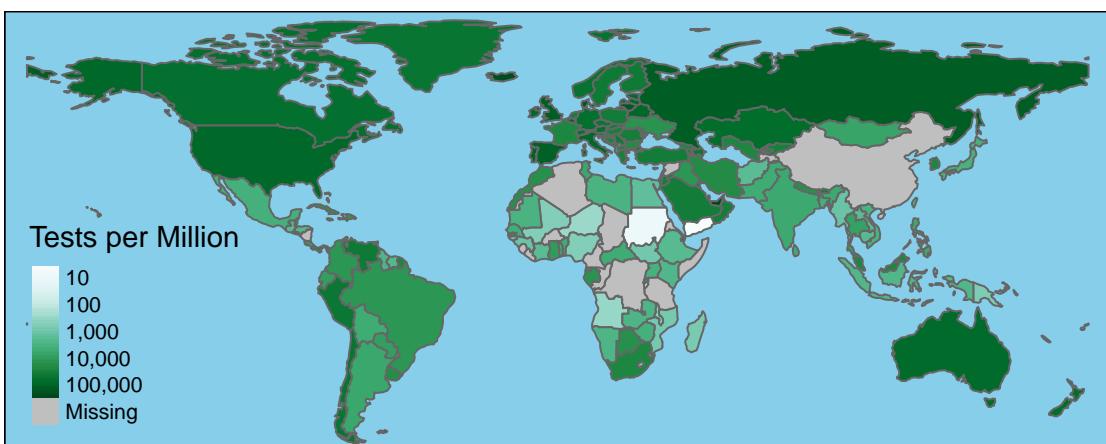
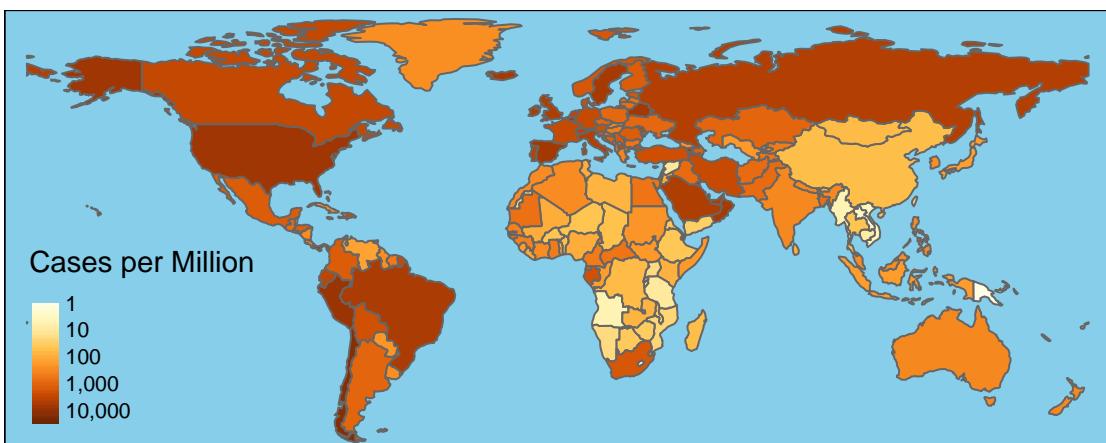
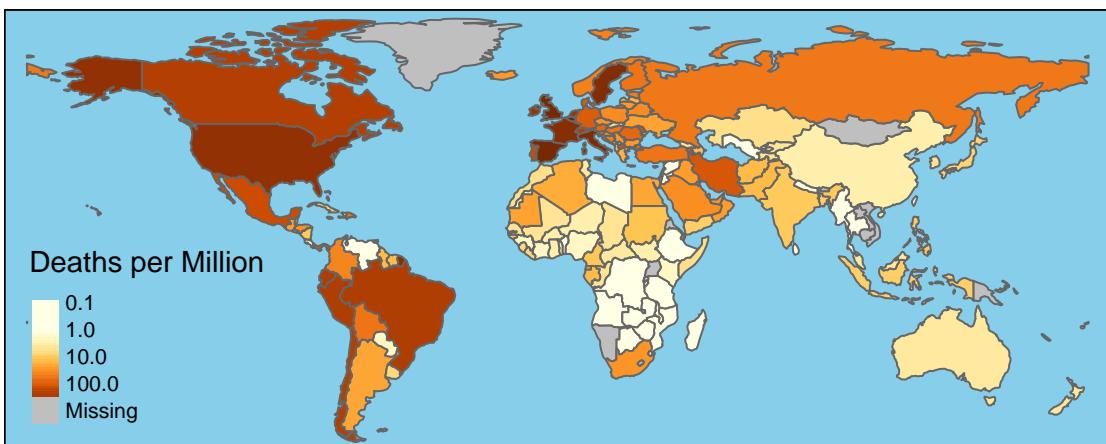


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,330,578	121,980	33,388	573
Brazil	1,070,139	50,058	31,571	968
Russia	576,952	8,002	7,889	161
India	411,727	13,277	15,915	307
UK	303,110	42,589	1,295	128
Spain	293,018	28,322	363	7
Peru	251,338	7,861	3,413	201
Italy	238,275	34,610	264	49
Chile	236,748	4,295	5,355	202
Iran	202,584	9,507	2,322	115
Germany	191,216	8,961	556	1
Turkey	186,493	4,927	1,248	22
Pakistan	171,666	3,382	6,604	153
Mexico	170,485	20,394	5,030	647
France	160,093	29,633	641	16
Saudi Arabia	154,233	1,230	3,941	46
Bangladesh	108,775	1,425	3,240	37
Canada	101,019	8,410	390	64
South Africa	92,681	1,877	4,966	46
Qatar	86,488	94	1,026	1



## National Data

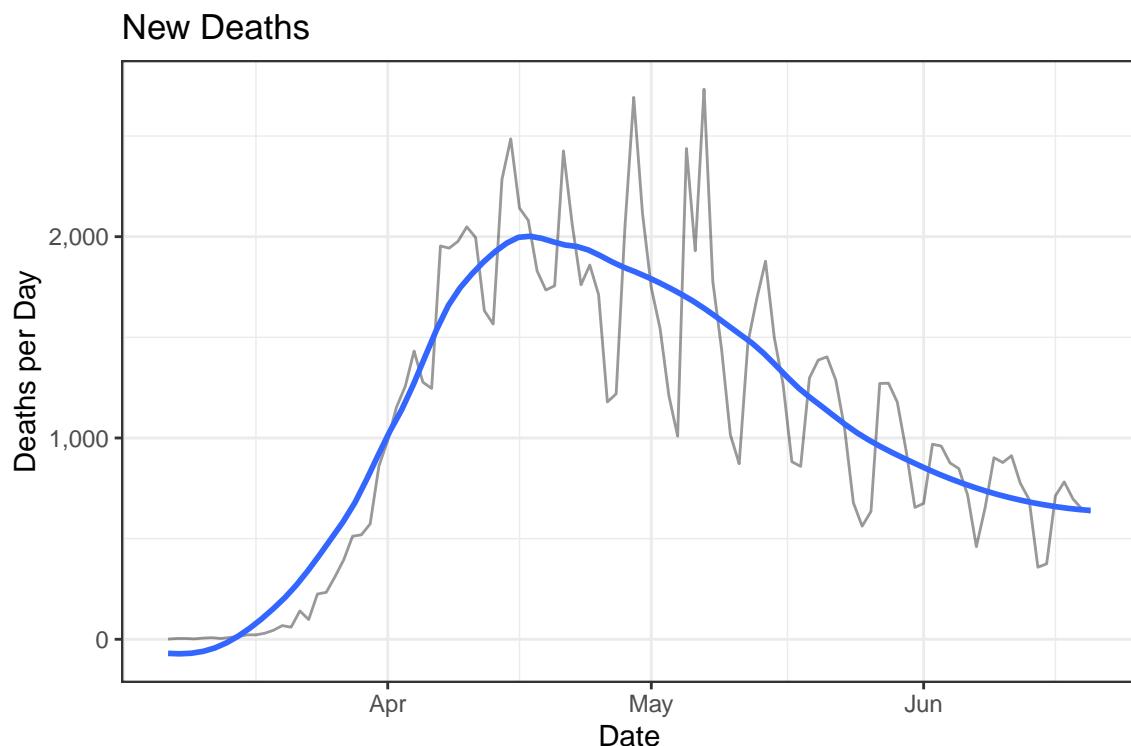
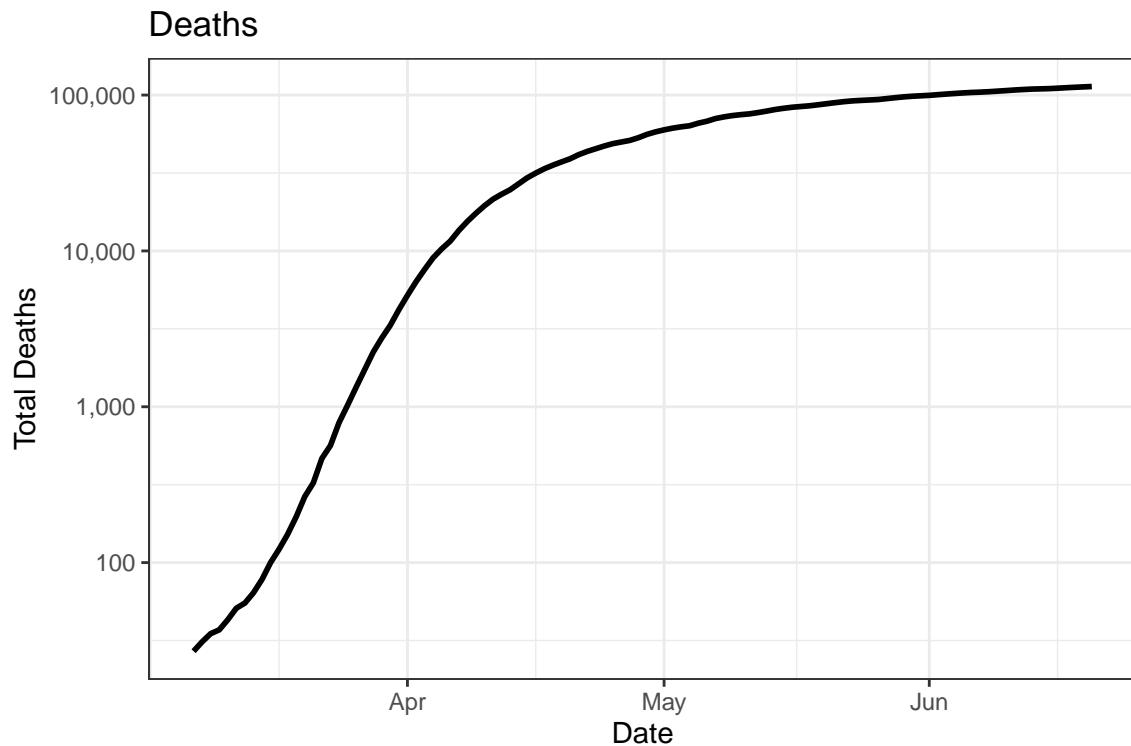
There have been 2,241,990 confirmed Covid-19 cases and 113,452 deaths in the United States.

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

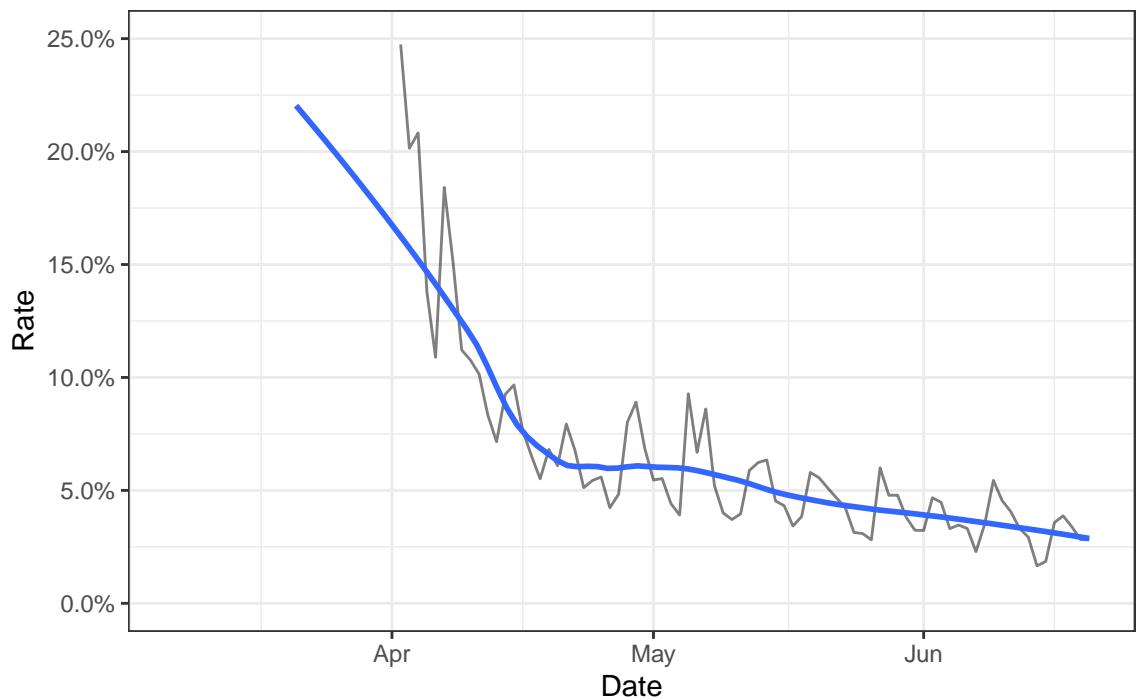
Date	Cases	Deaths	New Cases	New Deaths
2020-06-20	2,241,990	113,452	32,325	630
2020-06-19	2,209,665	112,822	31,327	648
2020-06-18	2,178,338	112,174	27,406	697
2020-06-17	2,150,932	111,477	23,885	782
2020-06-16	2,127,047	110,695	23,498	713
2020-06-15	2,103,549	109,982	18,521	375
2020-06-14	2,085,028	109,607	21,486	358
2020-06-13	2,063,542	109,249	25,344	695
2020-06-12	2,038,198	108,554	23,318	775
2020-06-11	2,014,880	107,779	22,023	912
2020-06-10	1,992,857	106,867	20,749	878
2020-06-09	1,972,108	105,989	17,166	902
2020-06-08	1,954,942	105,087	17,123	655
2020-06-07	1,937,819	104,432	19,307	460

## Deaths

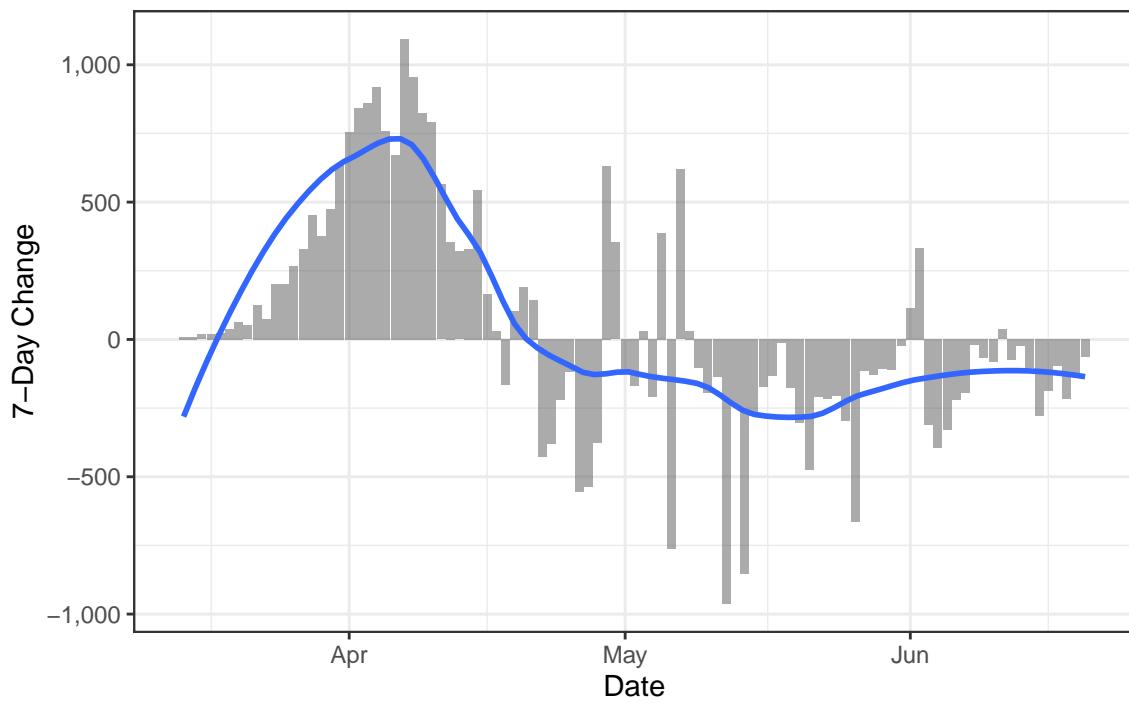
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

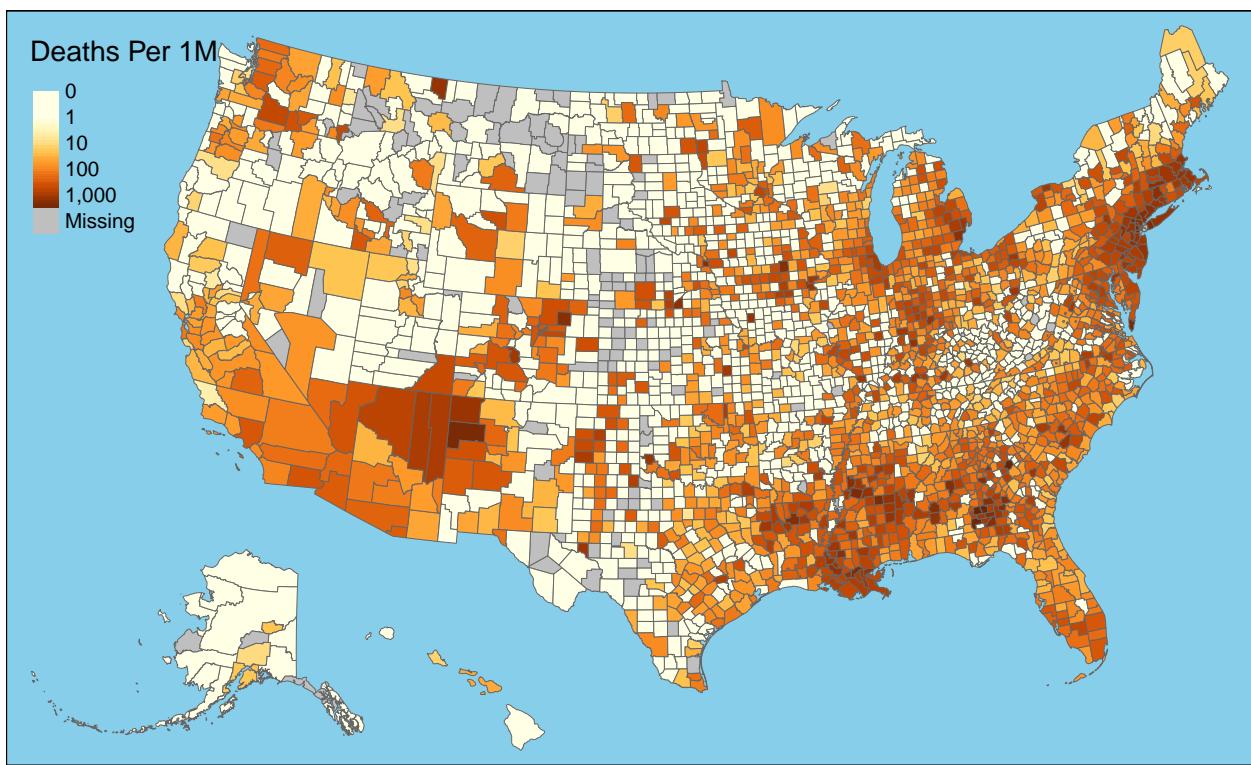


Daily Case Mortality Rate



One-Week Change in Daily Deaths

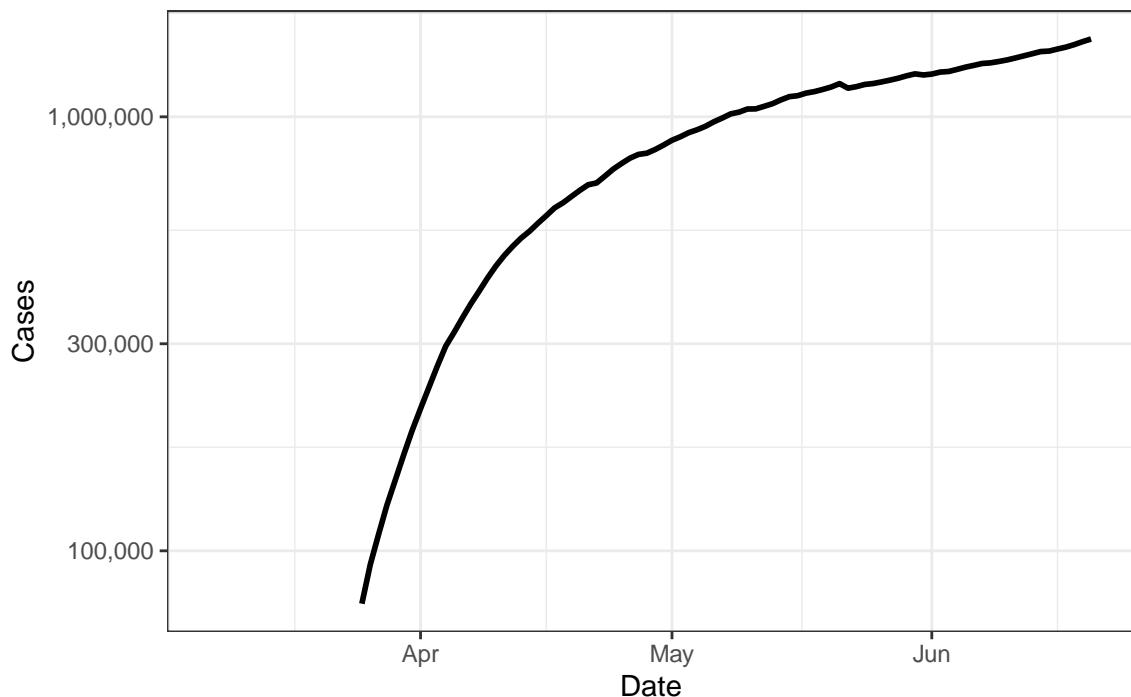




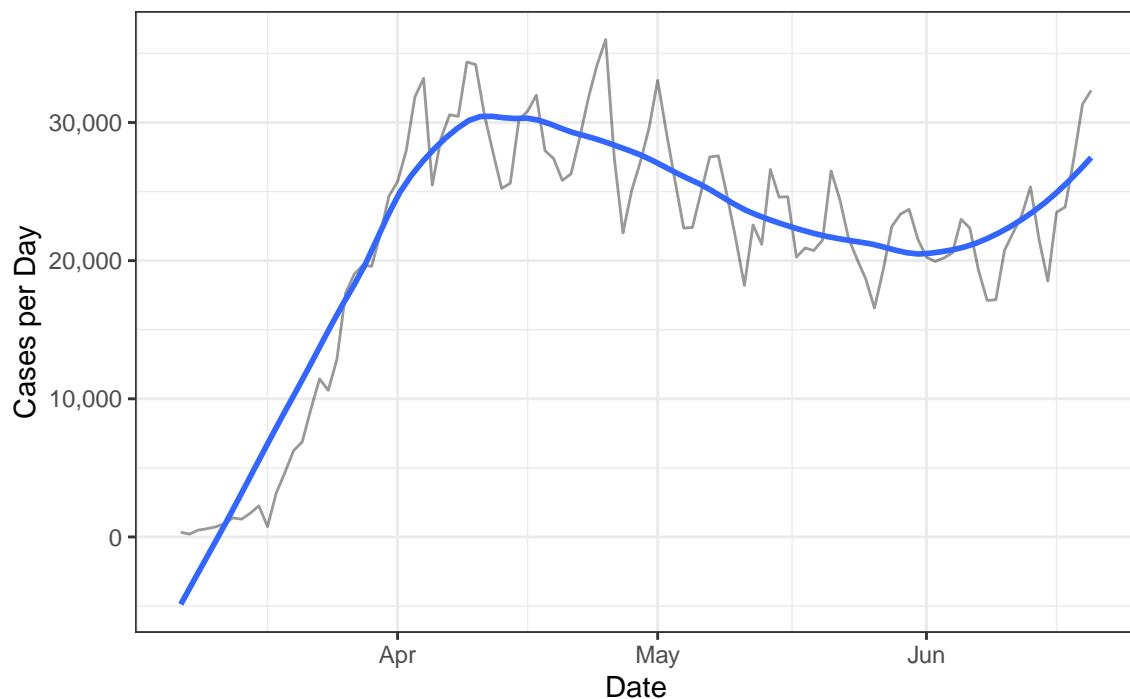
## Cases

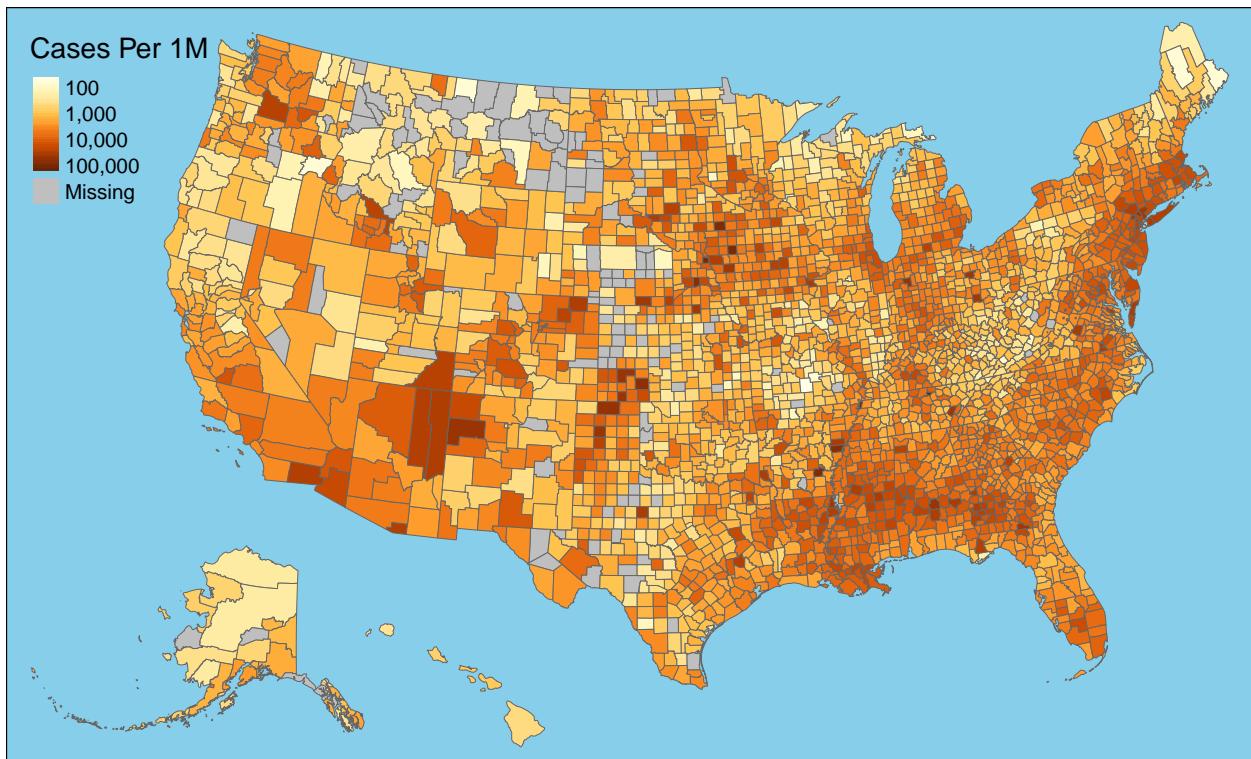
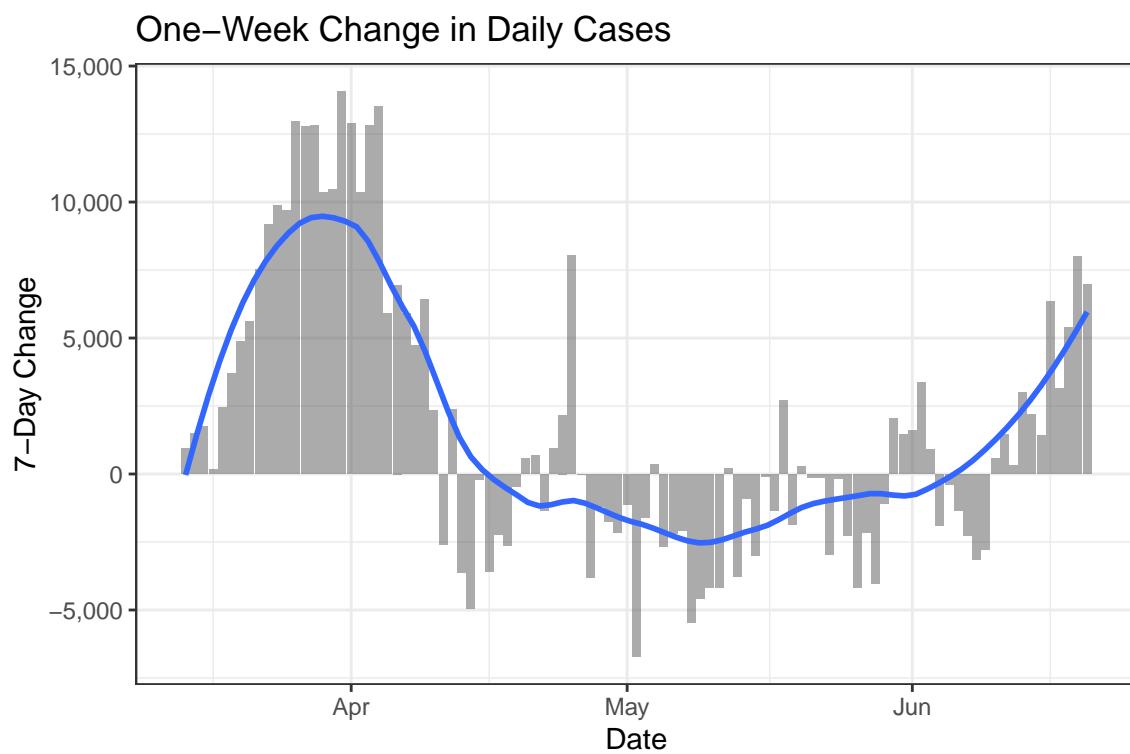
Reported cases are a function of both the spread of the disease and the prevalence of testing.

### Active Cases



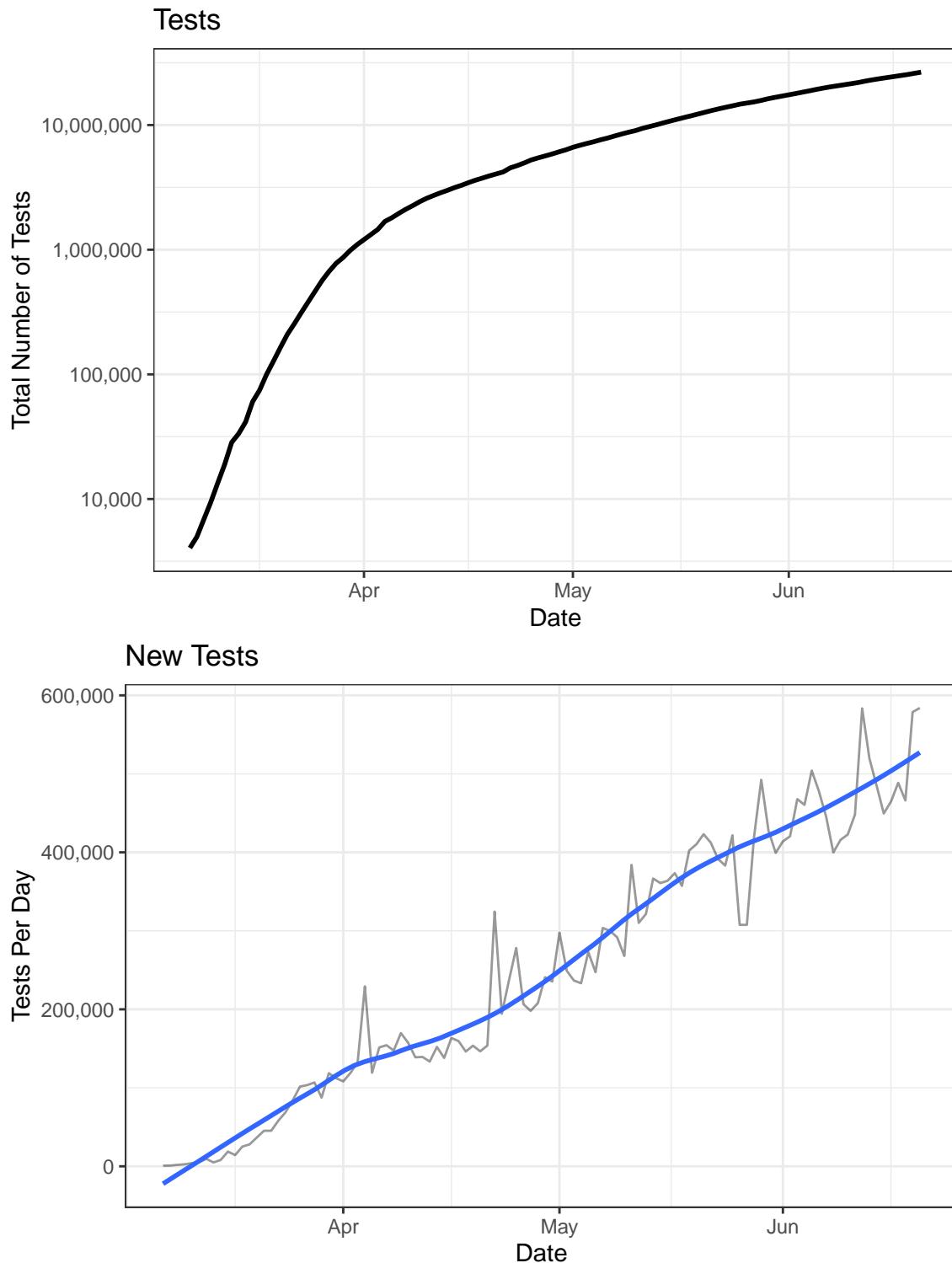
### New Cases



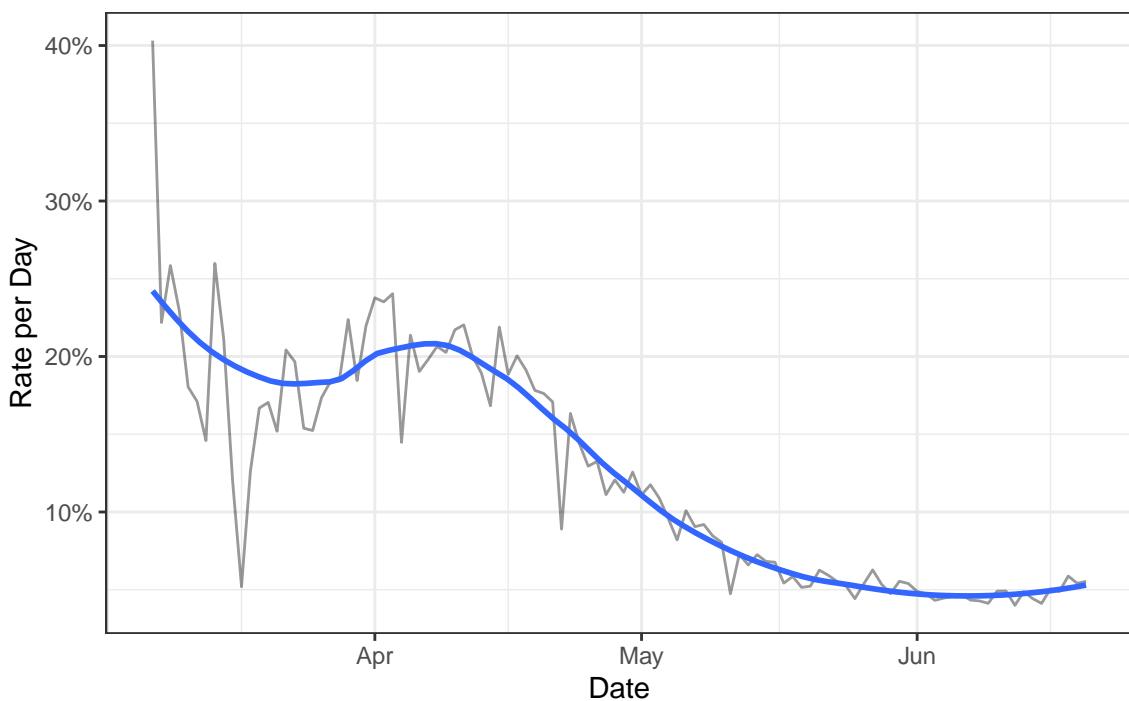


## Testing

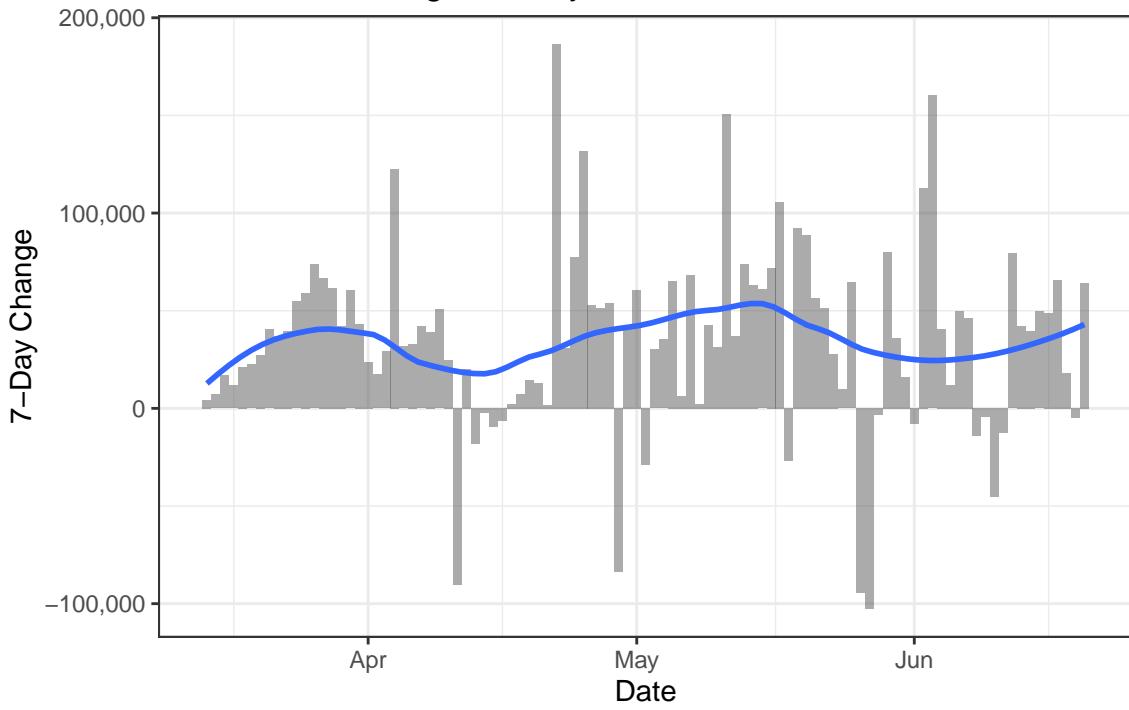
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



**Positive Test Rate**



**One-Week Change in Daily Tests**

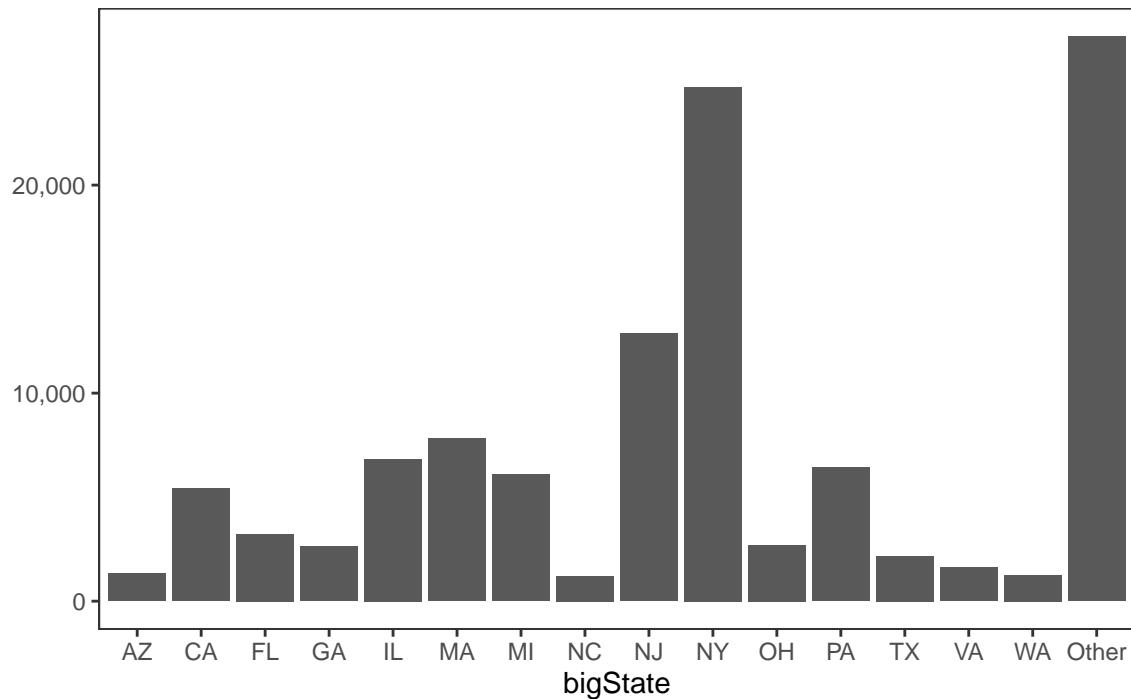


## State Data

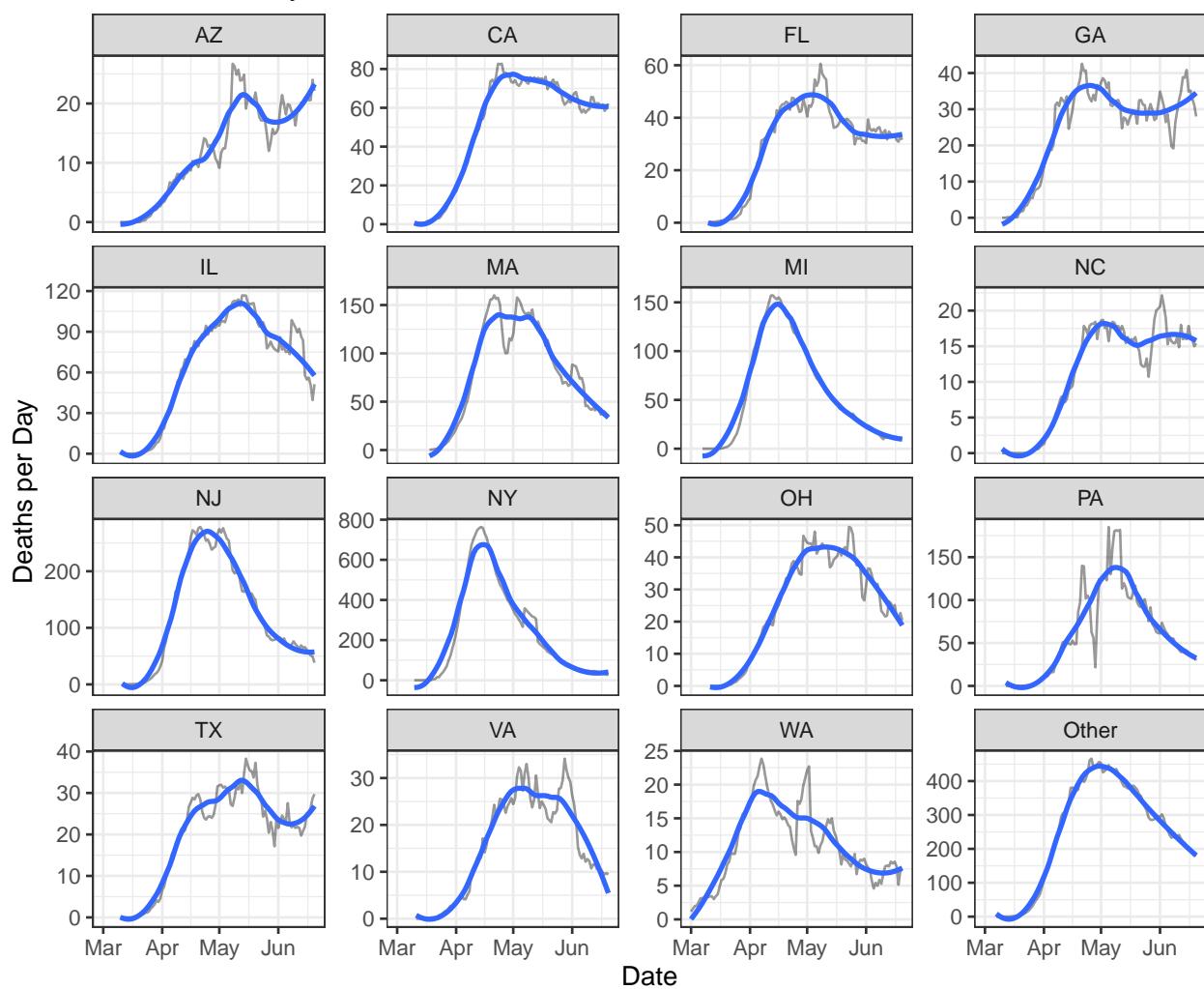
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

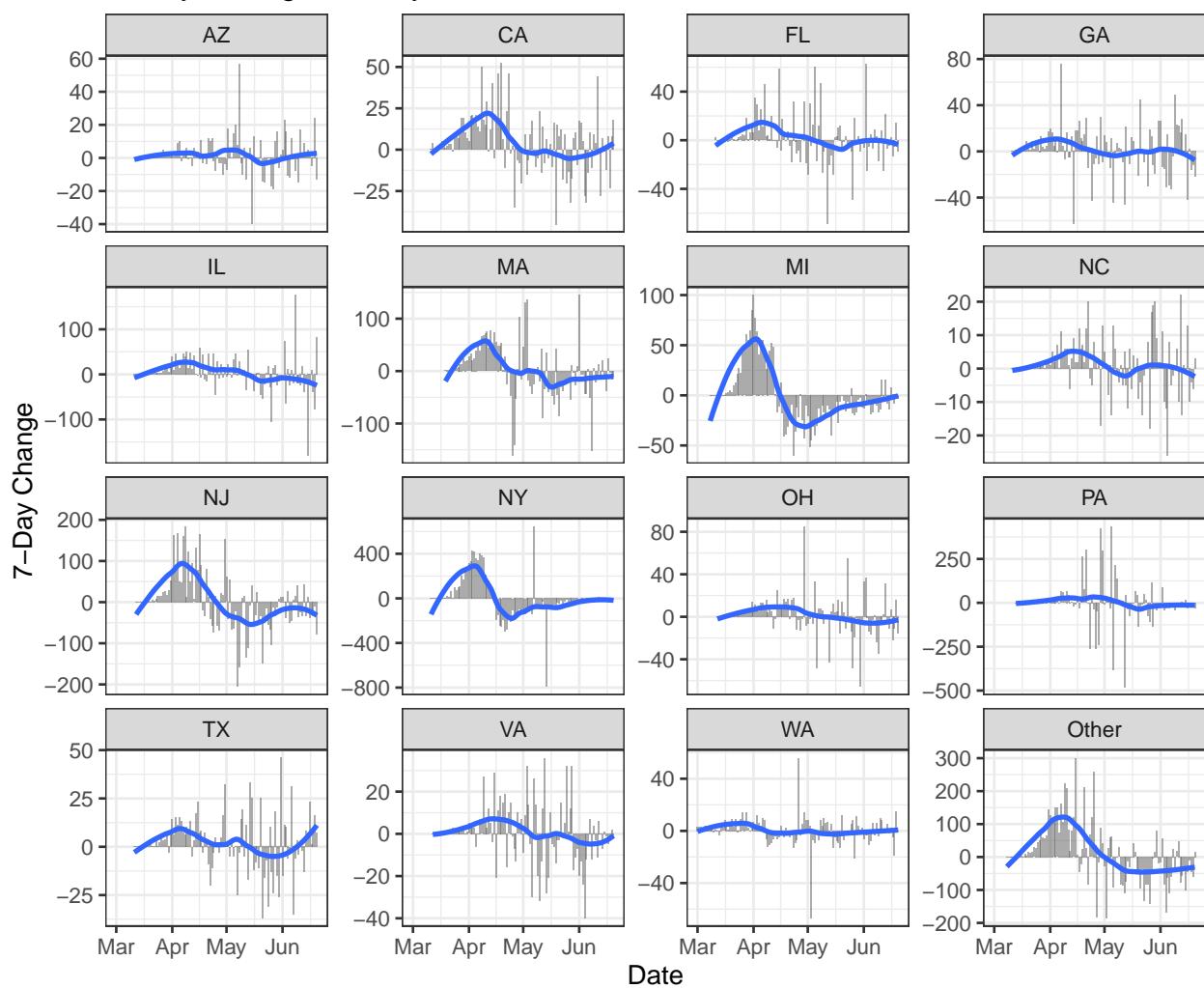
Deaths by State

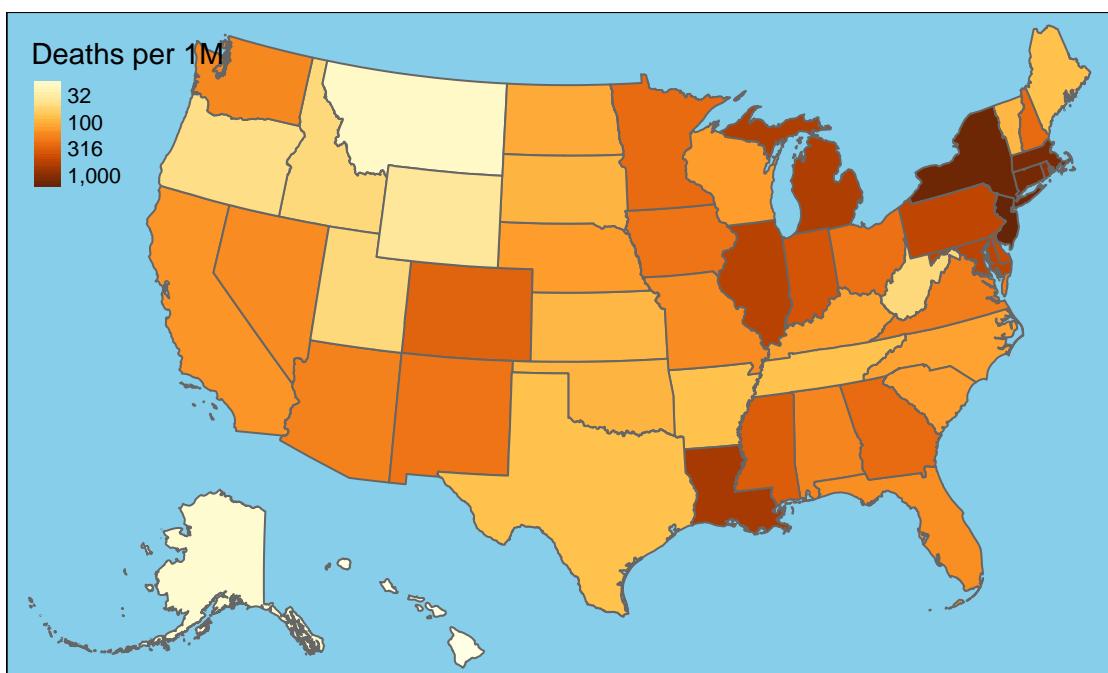
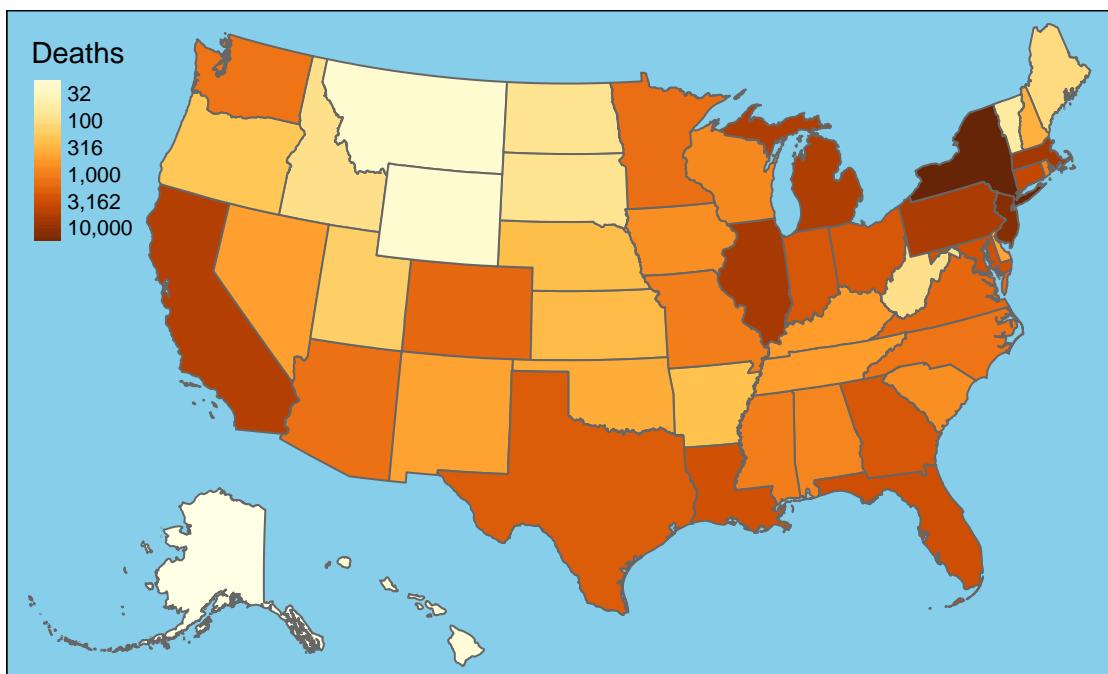


## New Deaths by State



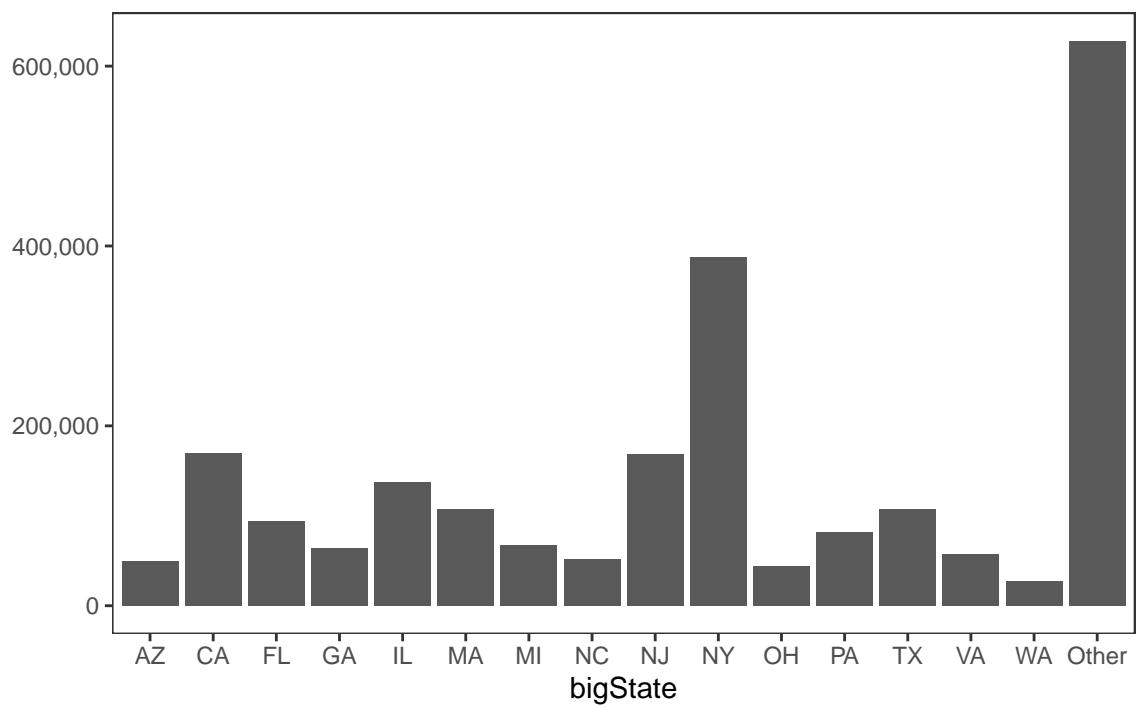
### 7-Day Change in Daily Deaths



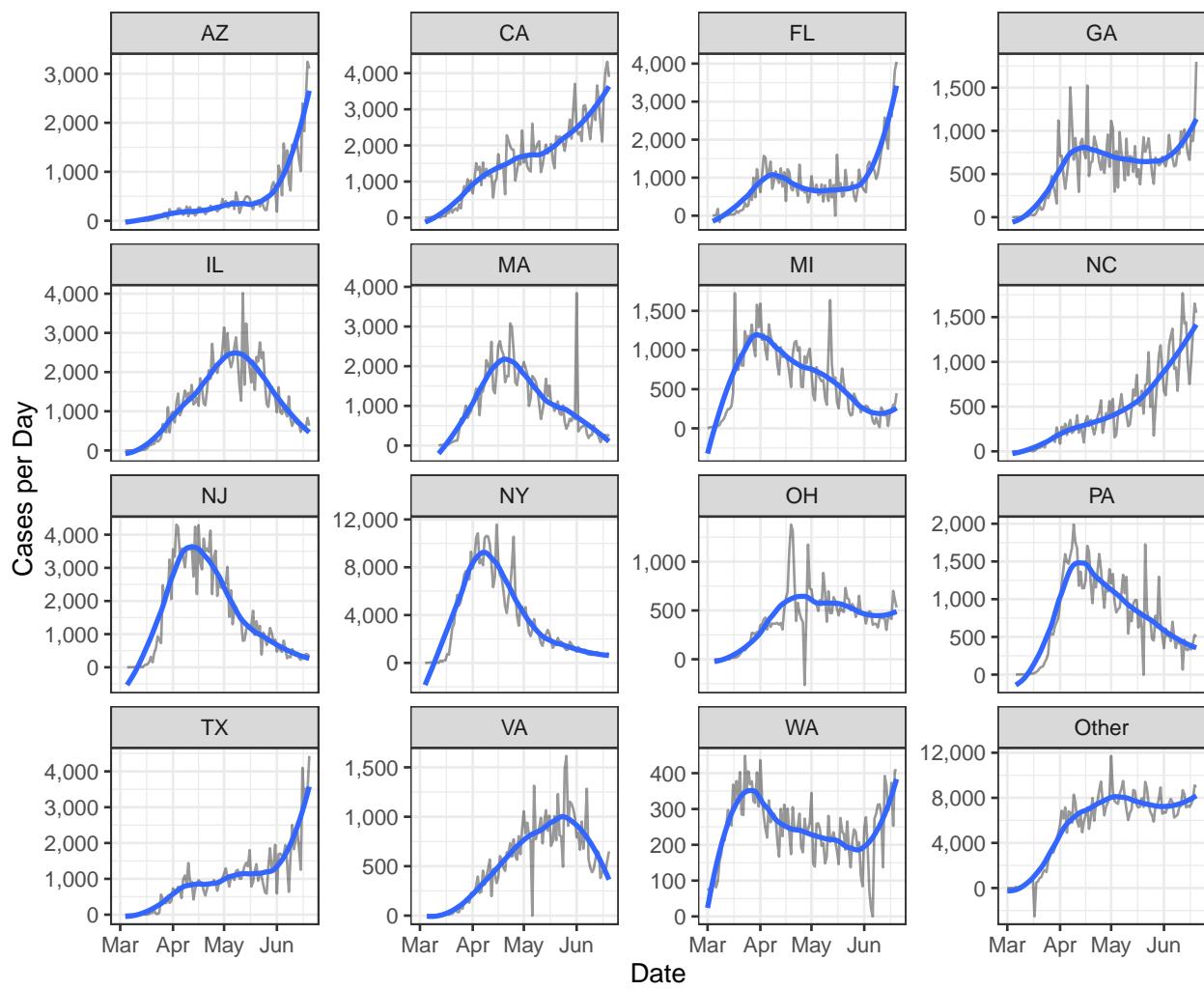


Cases

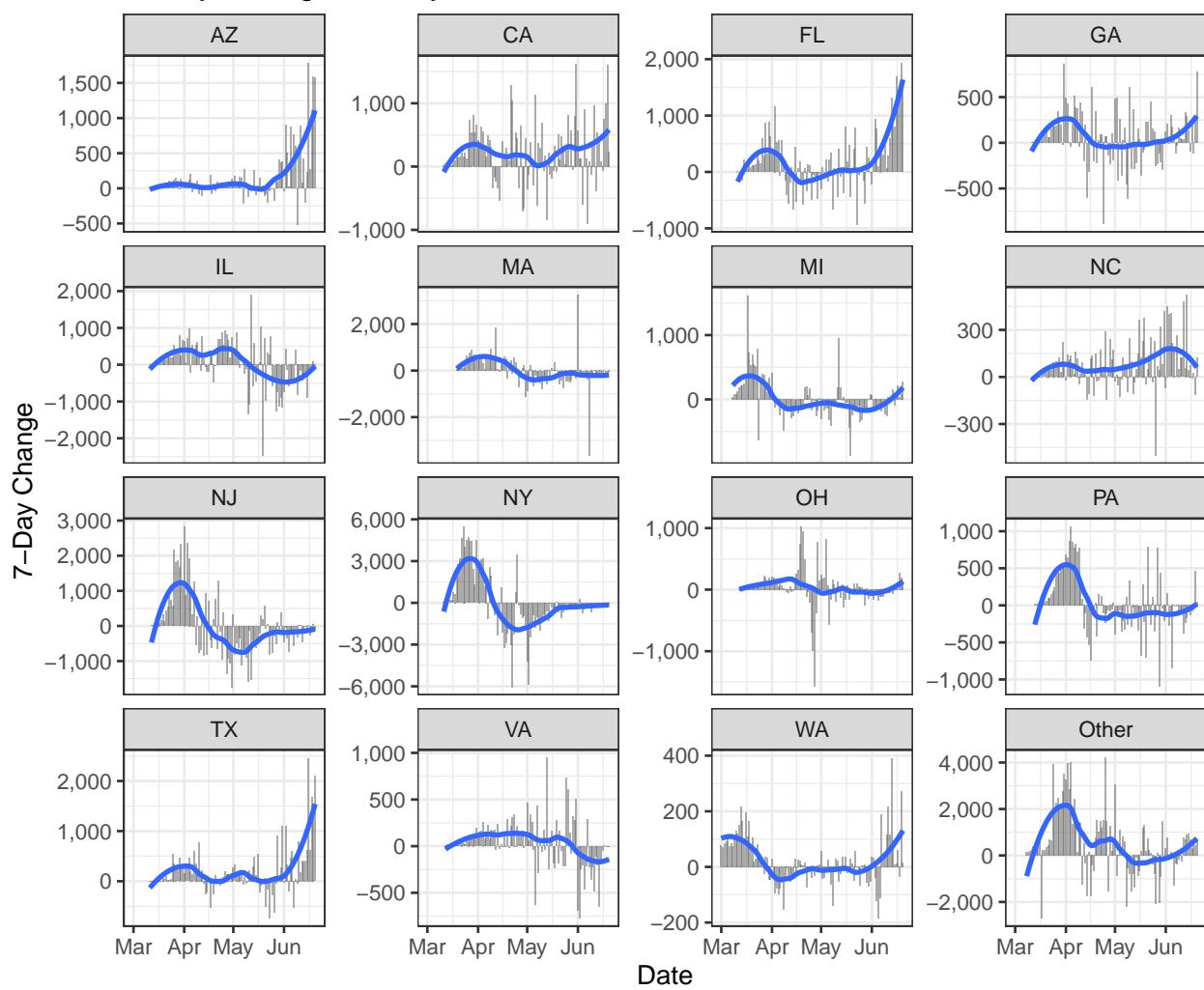
Cases by State

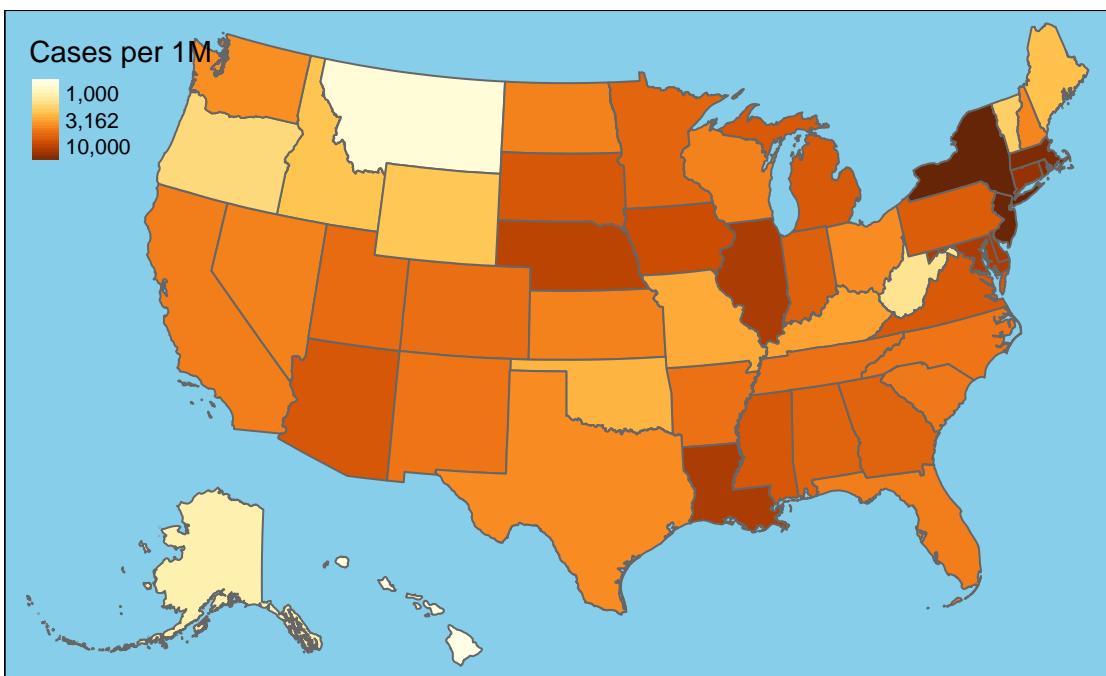
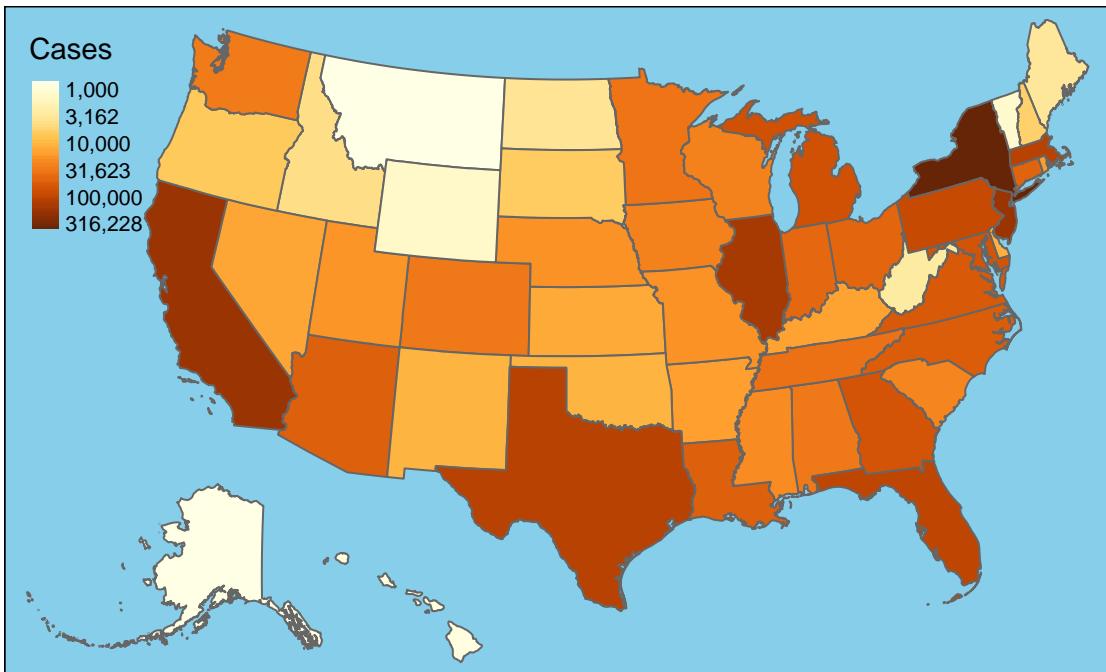


## New Cases by State

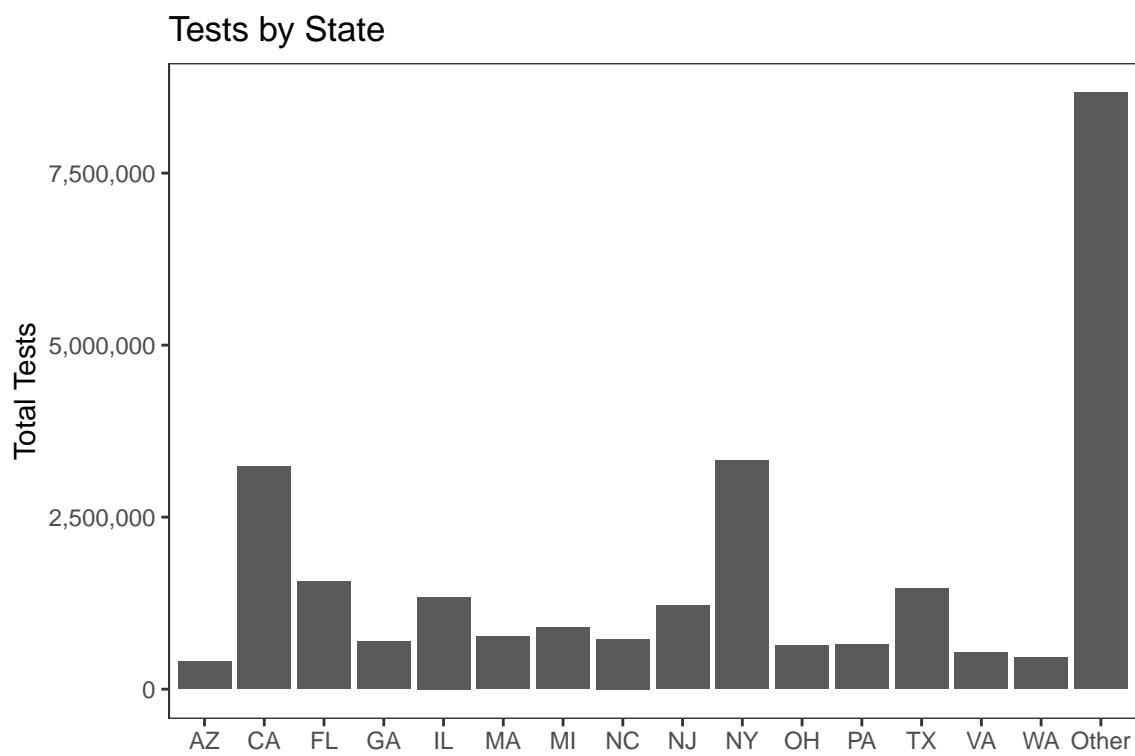


### 7-Day Change in Daily Cases

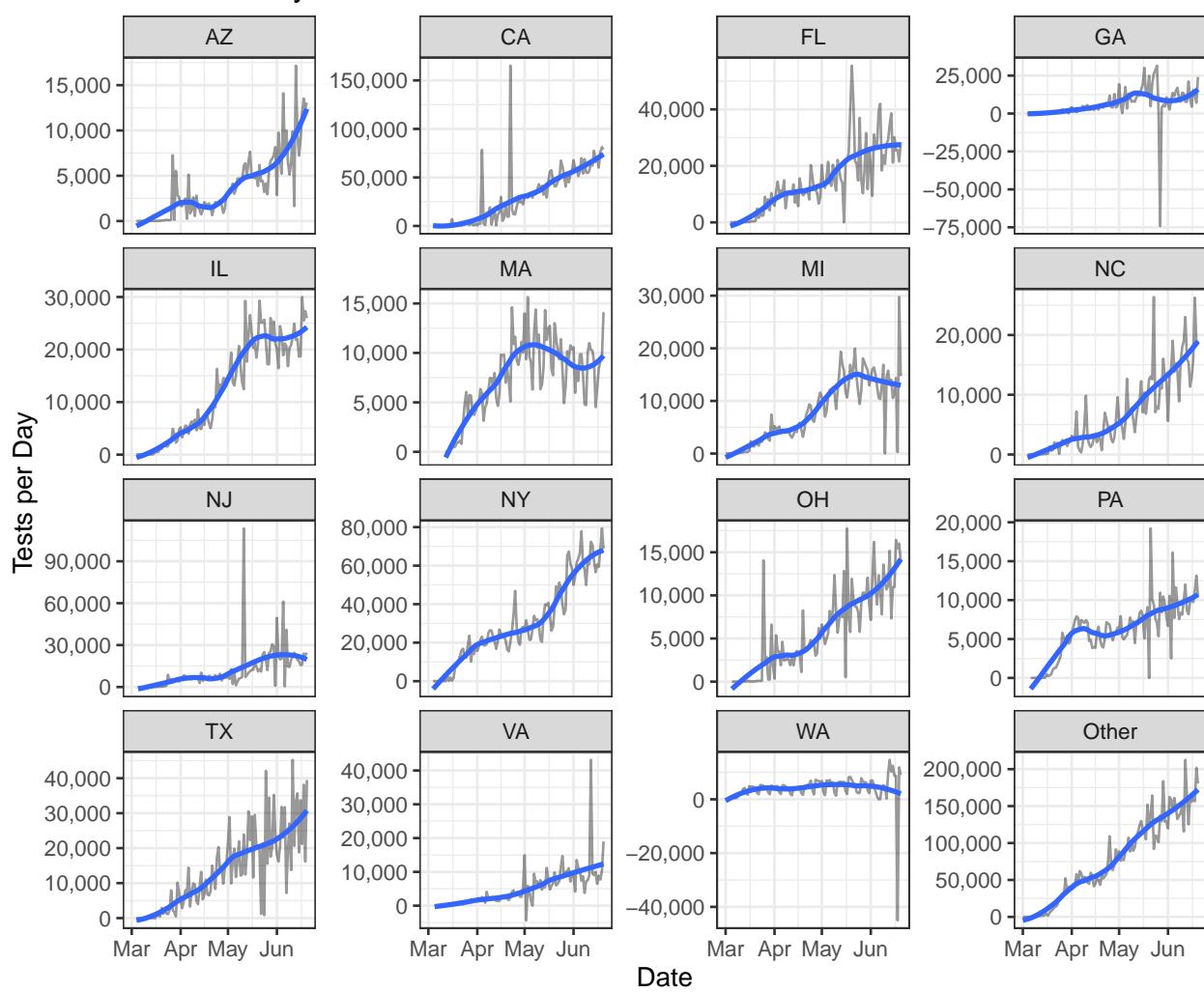


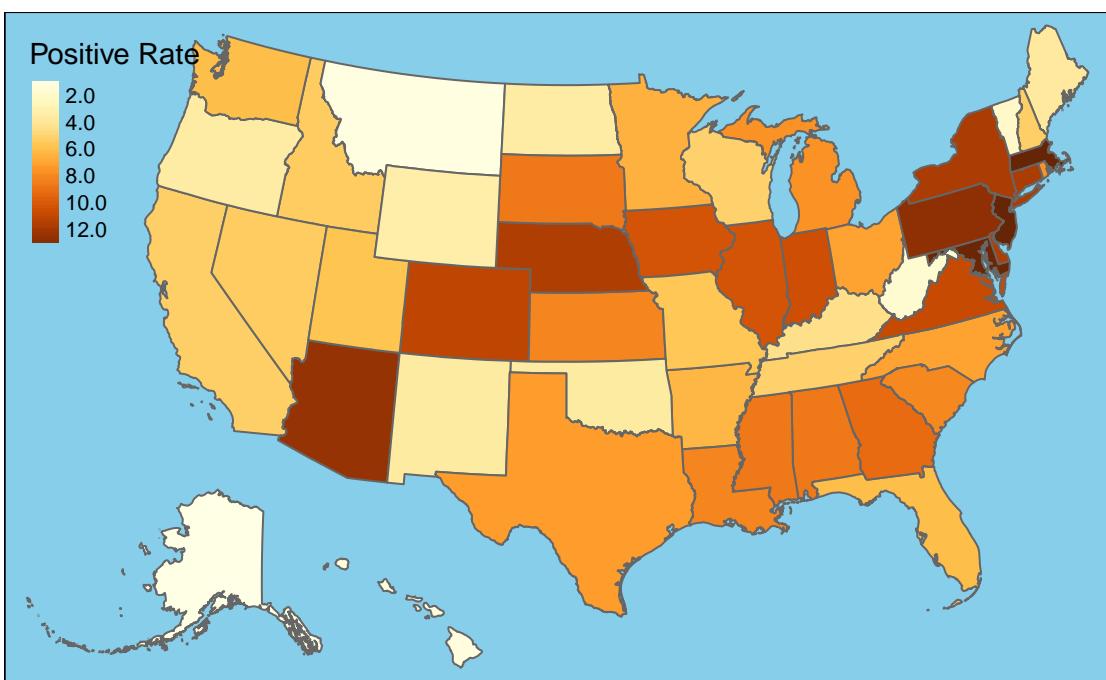
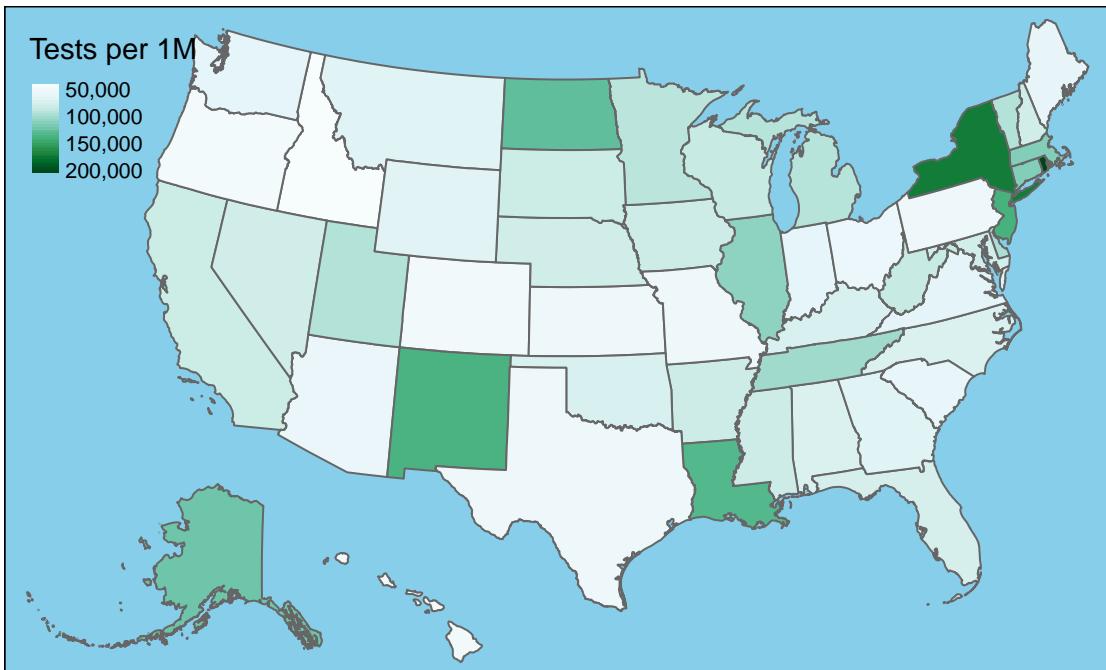


## Testing



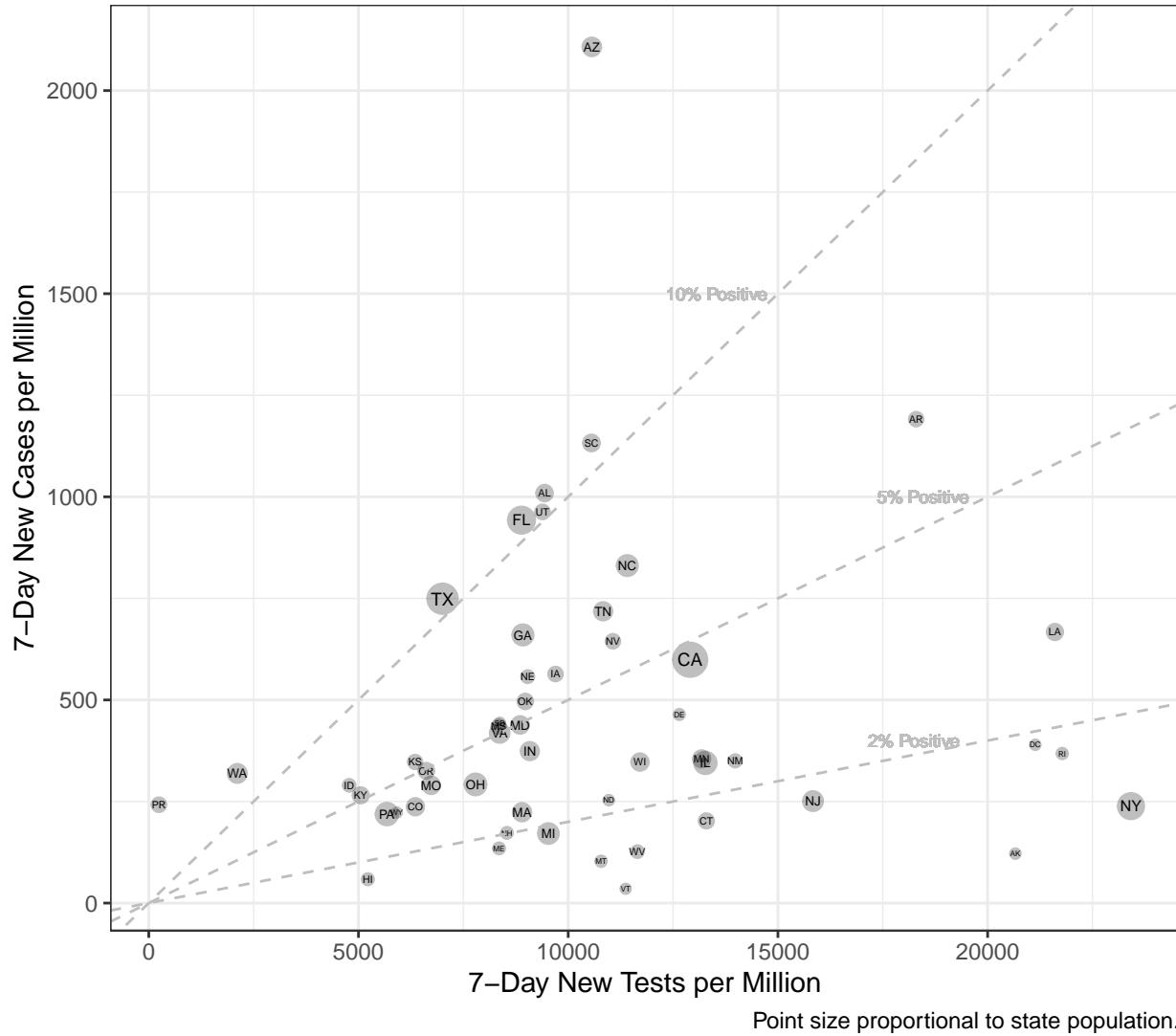
## New Tests by State





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



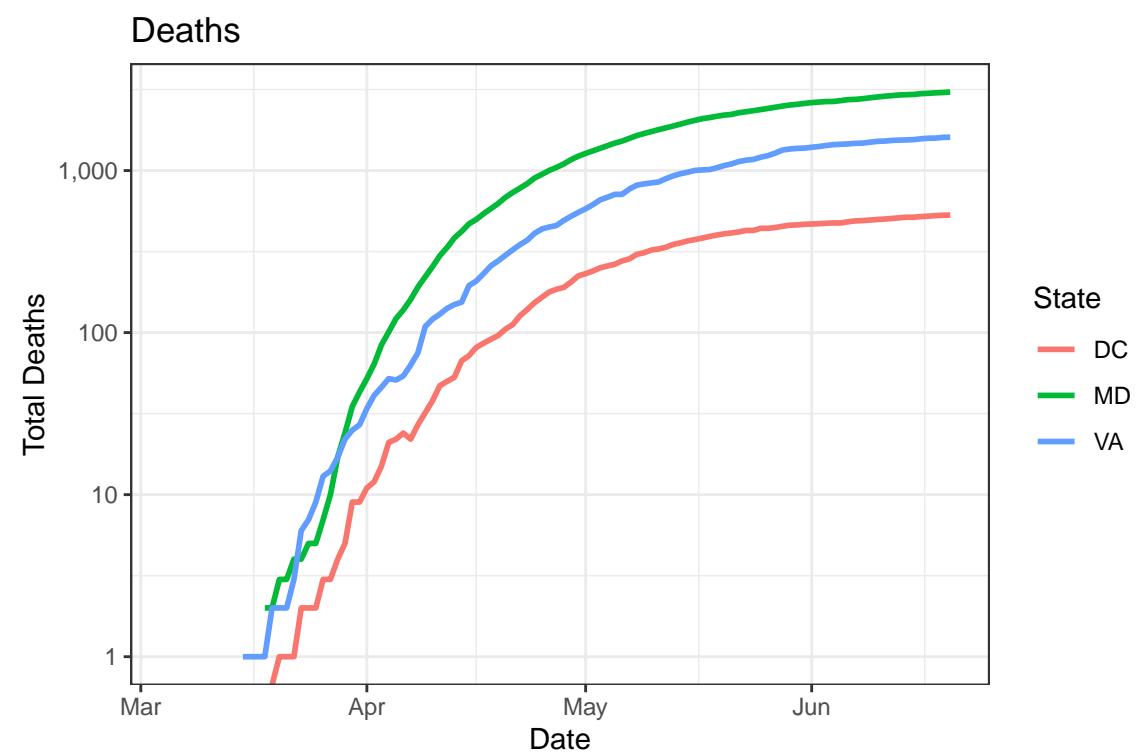
## Local Data

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

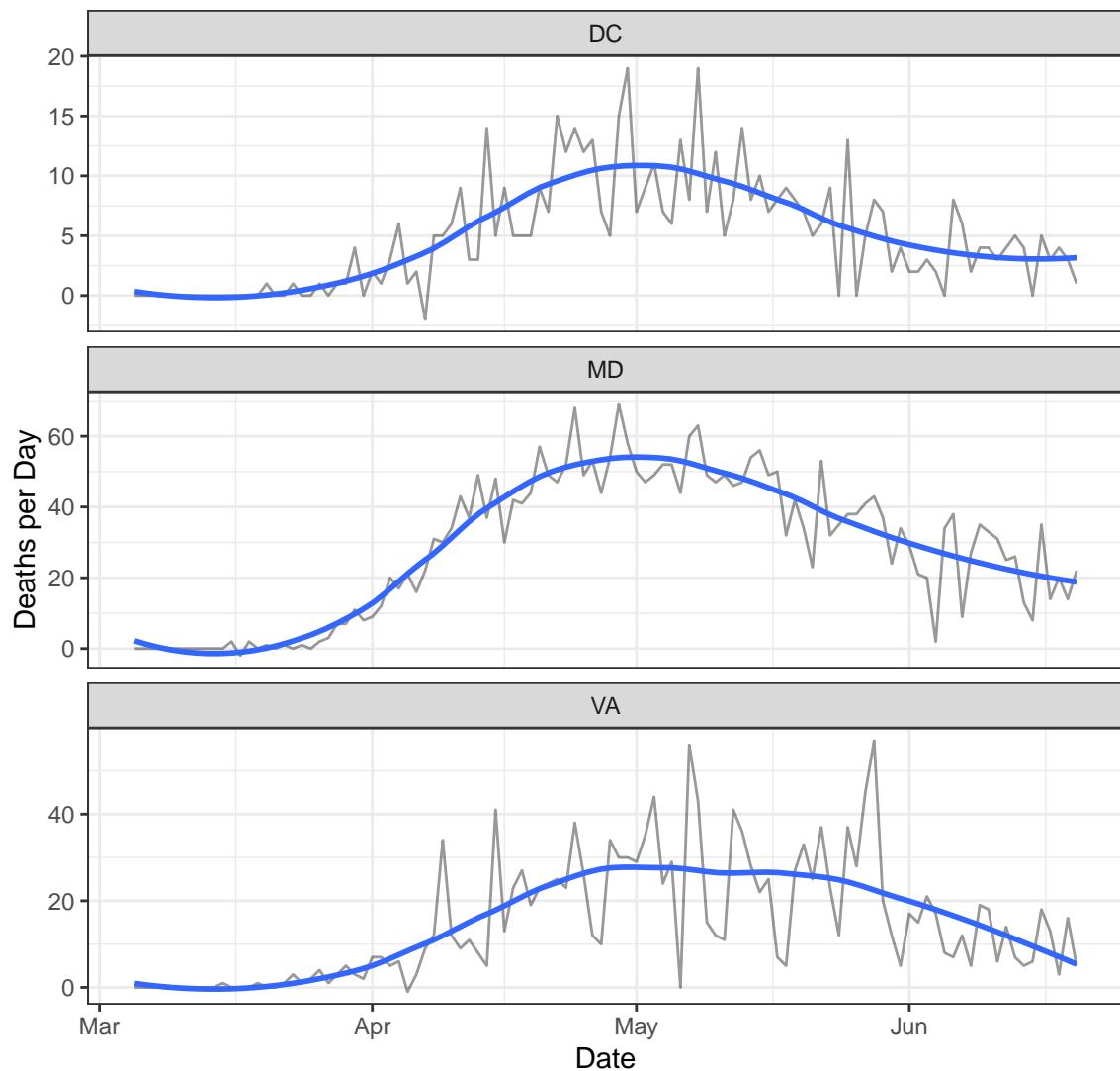
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	9,984	531	32	1
MD	63,956	3,052	408	22
VA	57,443	1,607	650	5

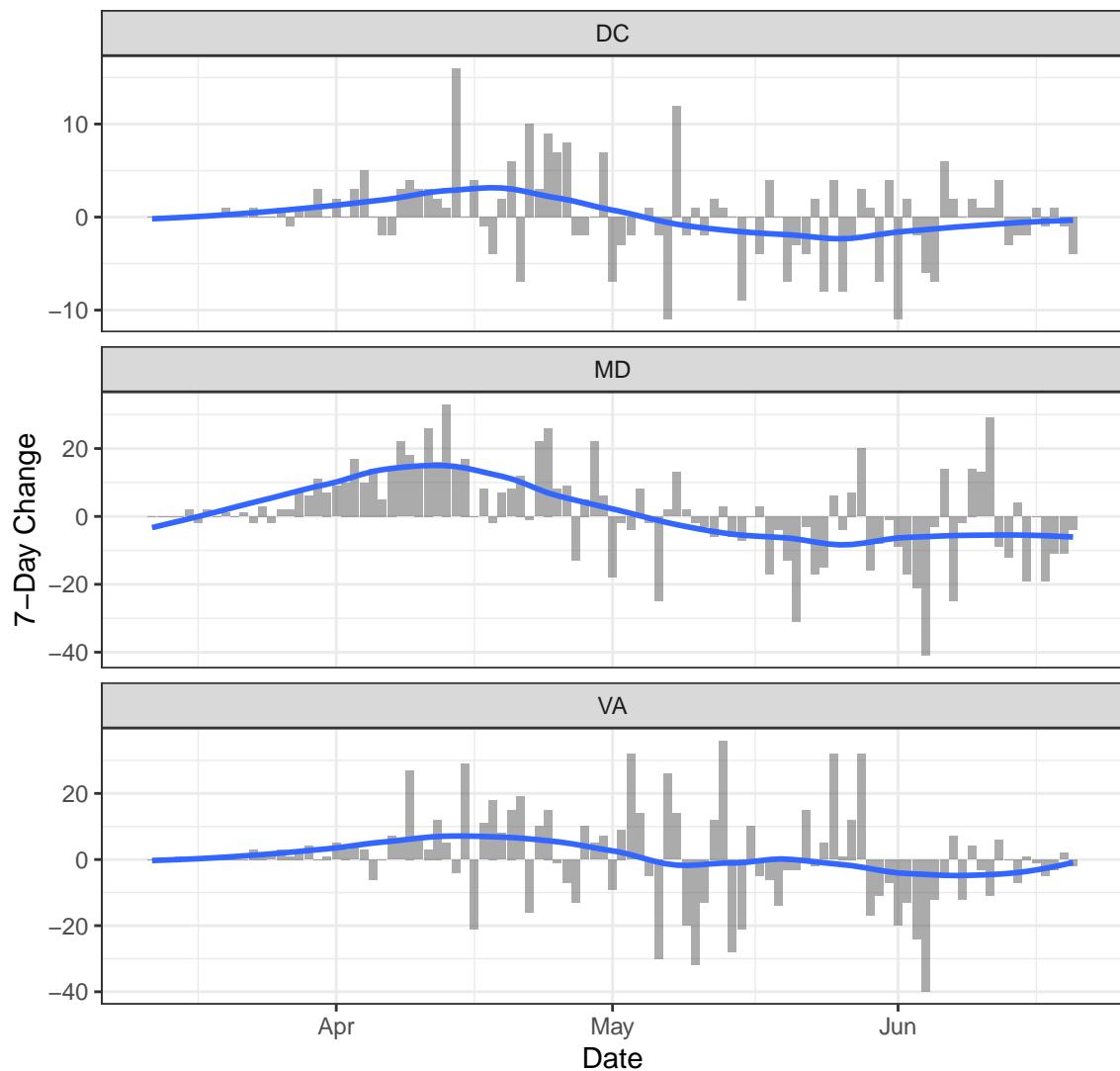
## Deaths

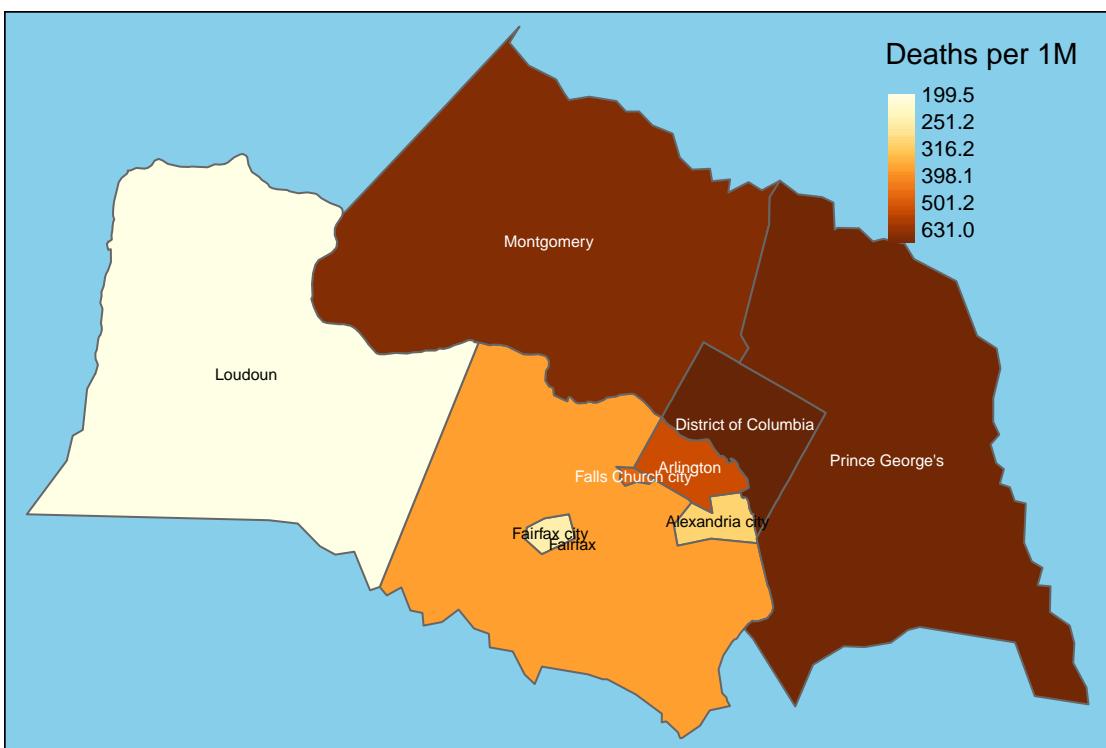
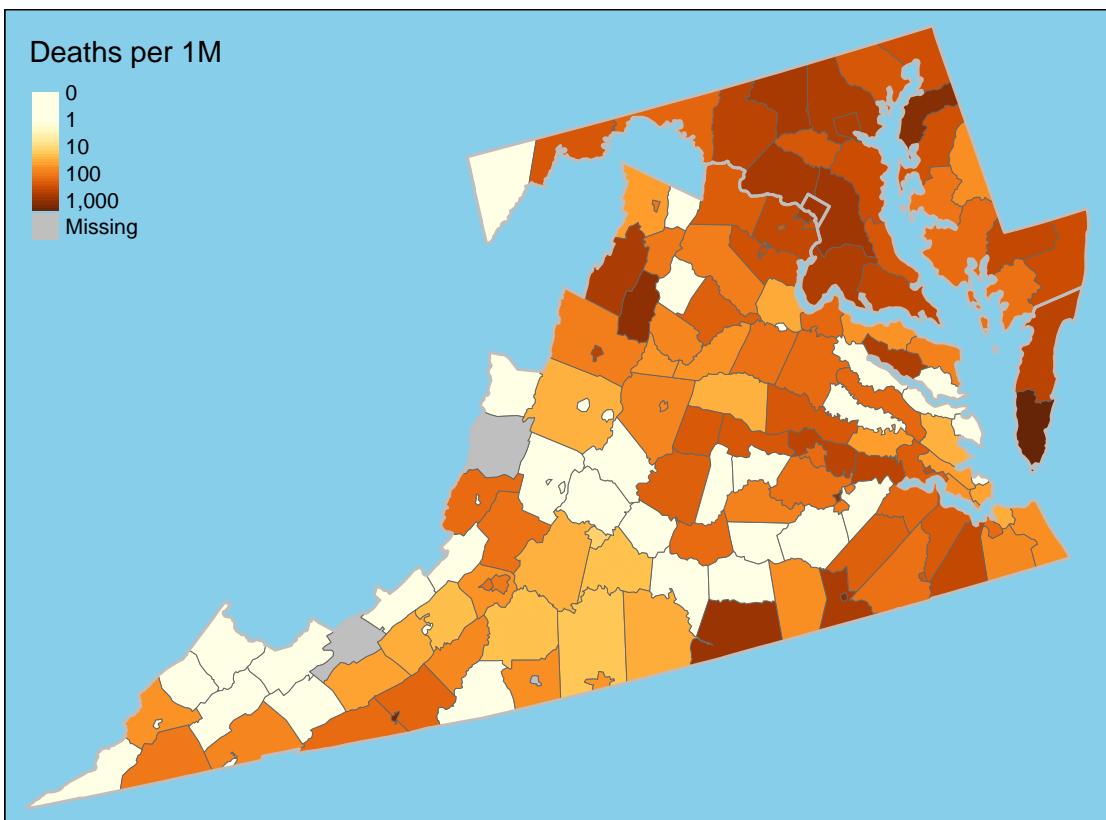


## New Deaths

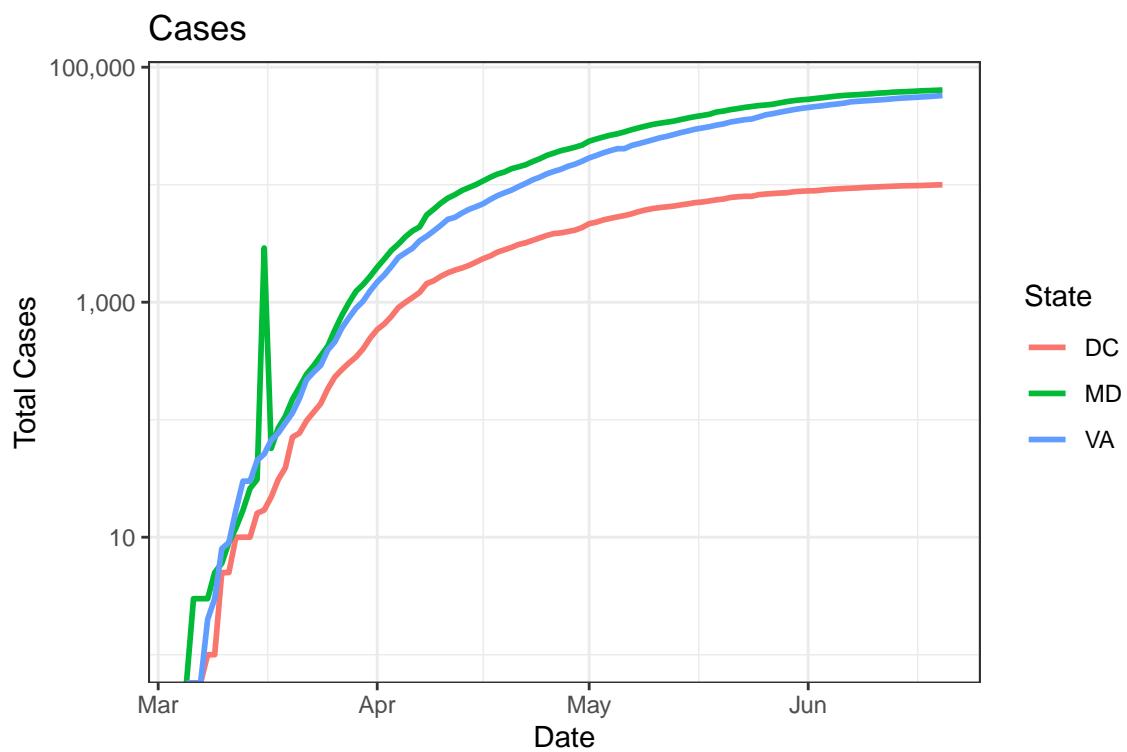


## One-Week Change in Daily Deaths

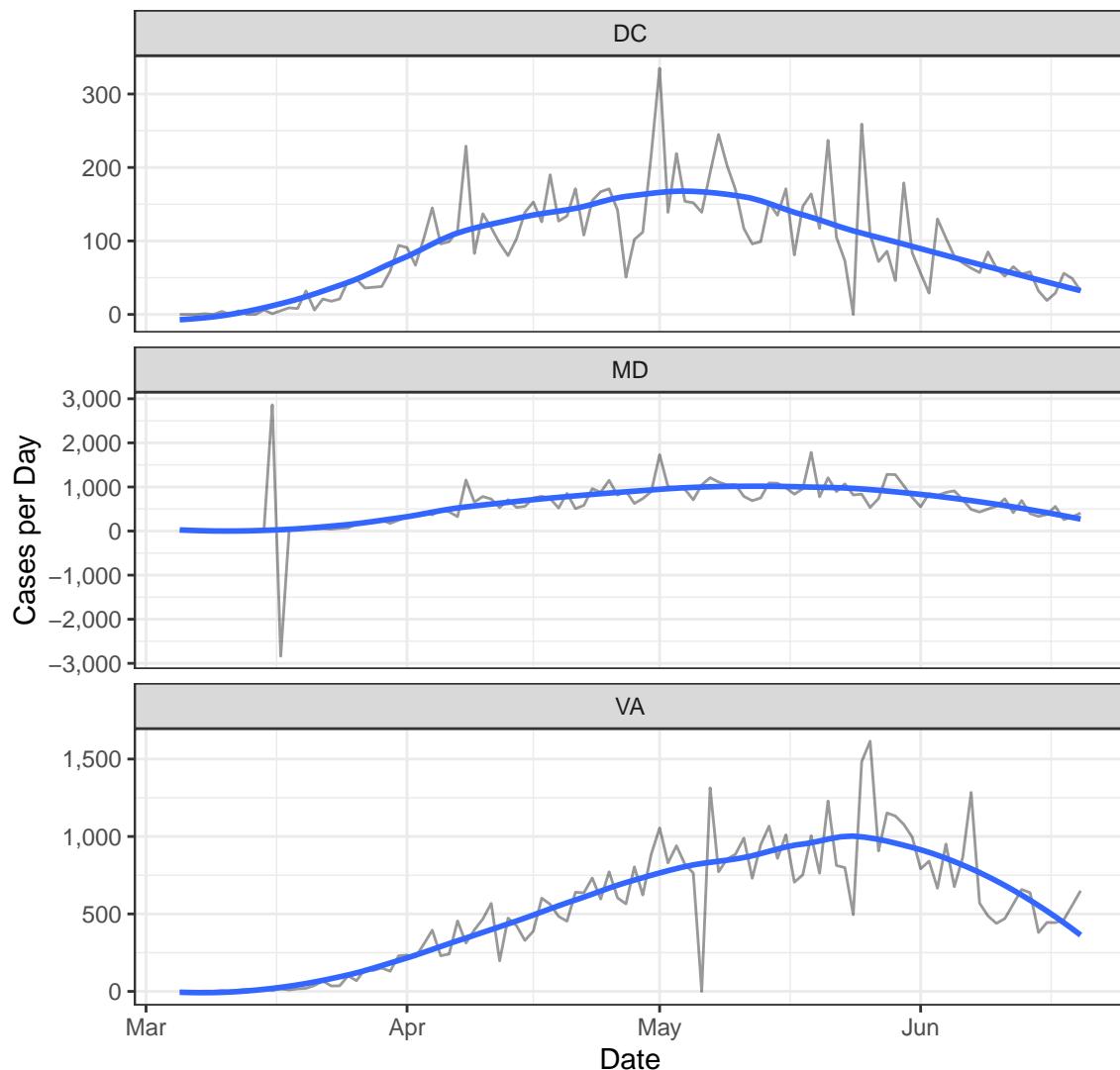




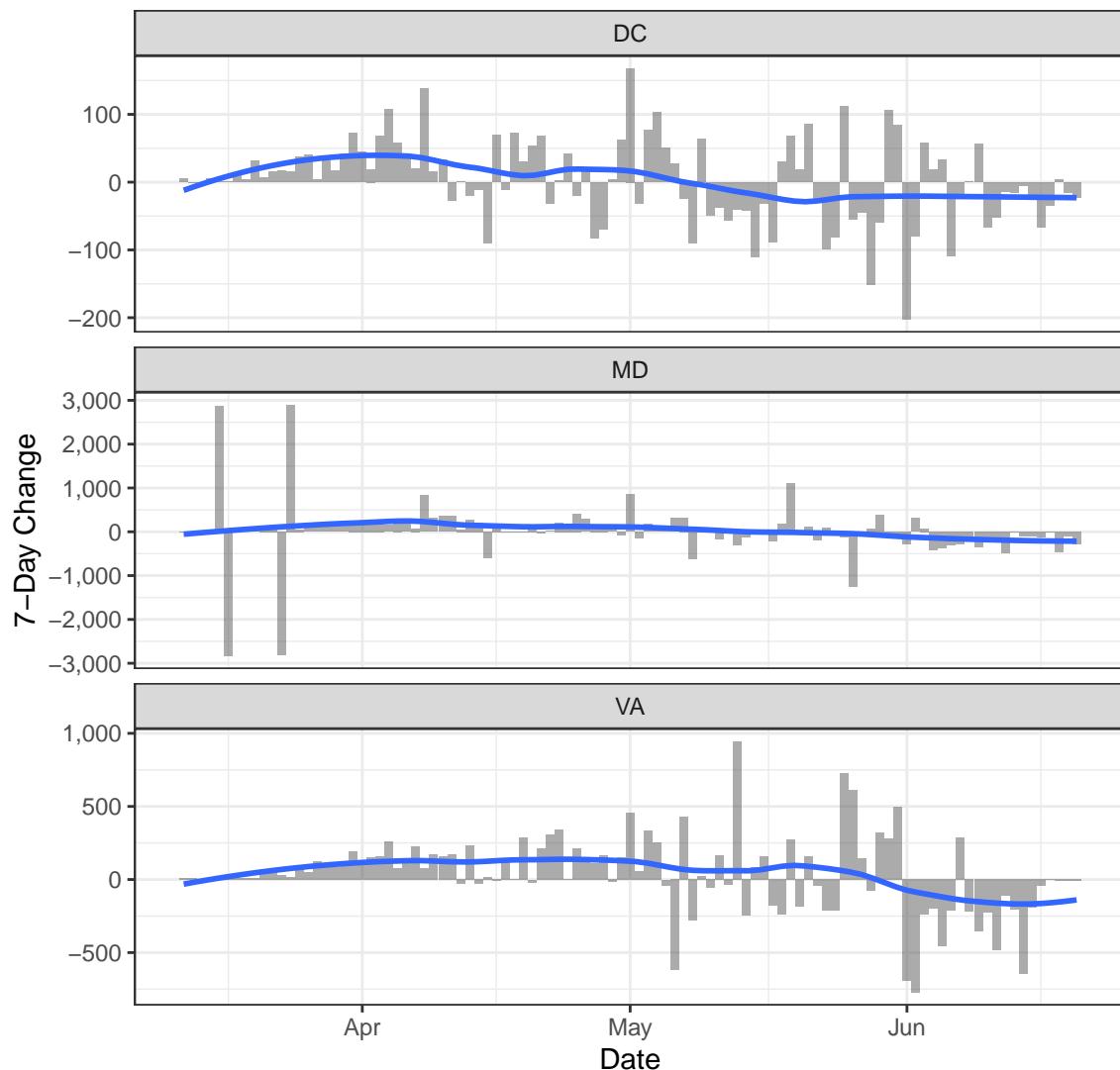
## Cases

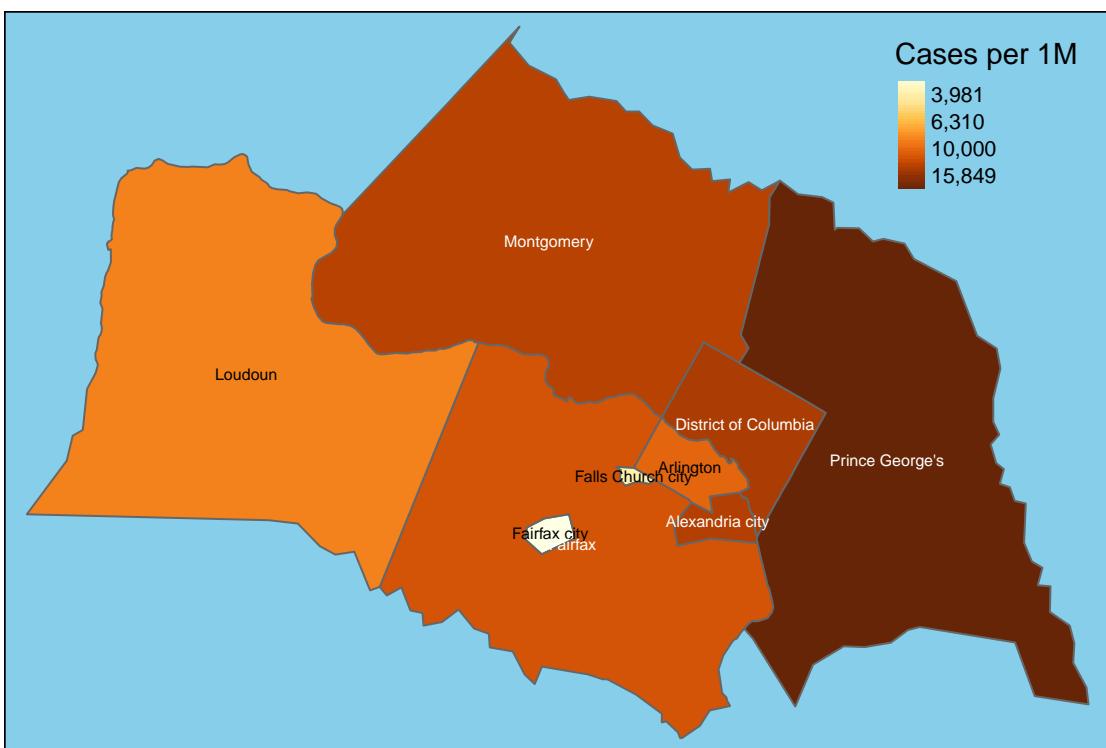
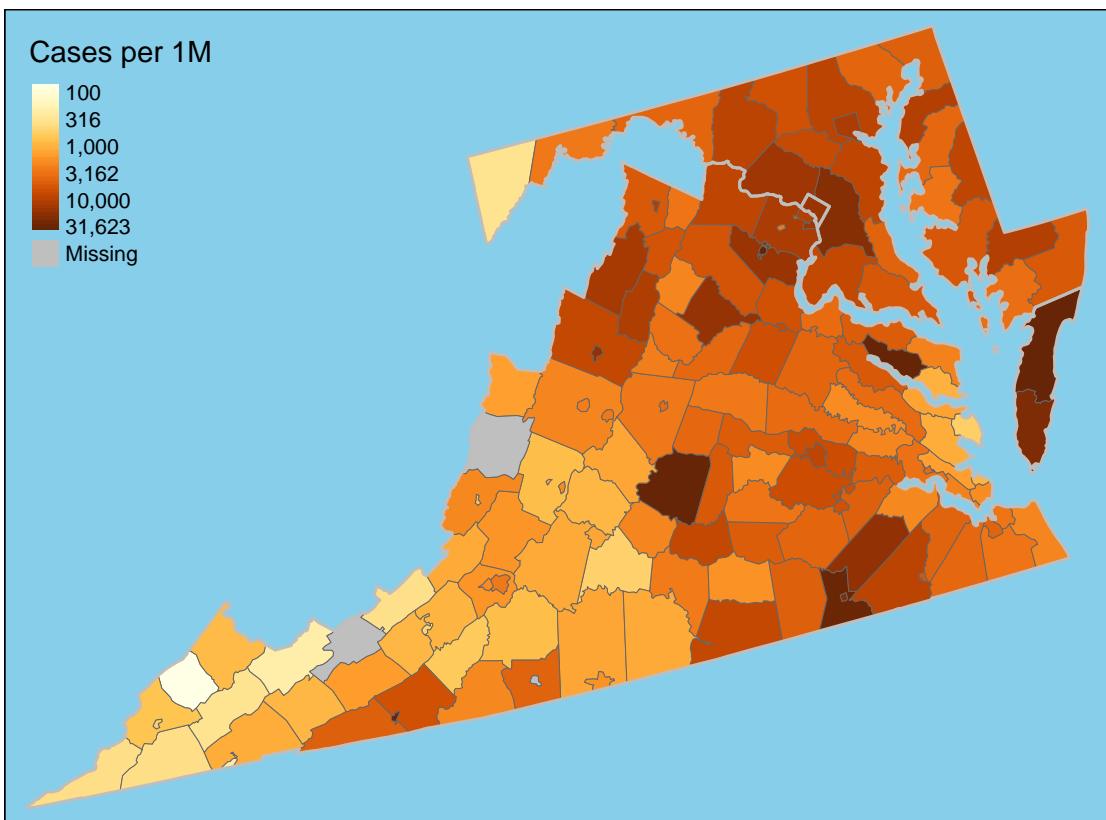


## New Cases

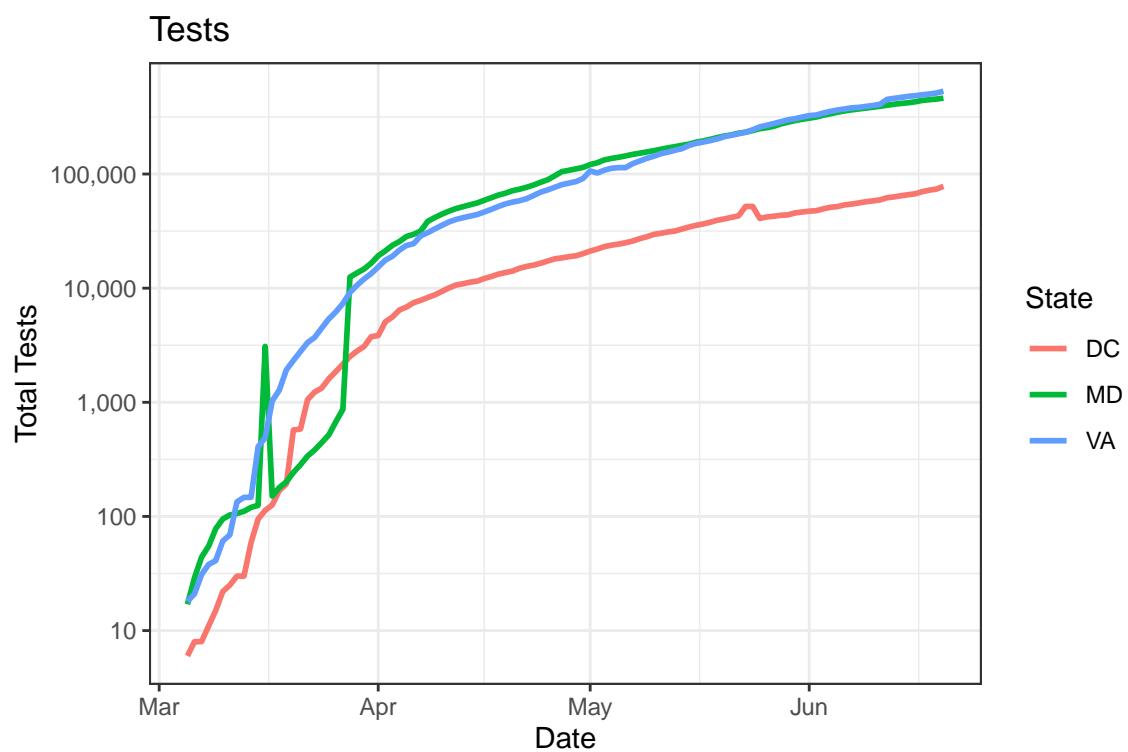


## One-Week Change in Daily Cases

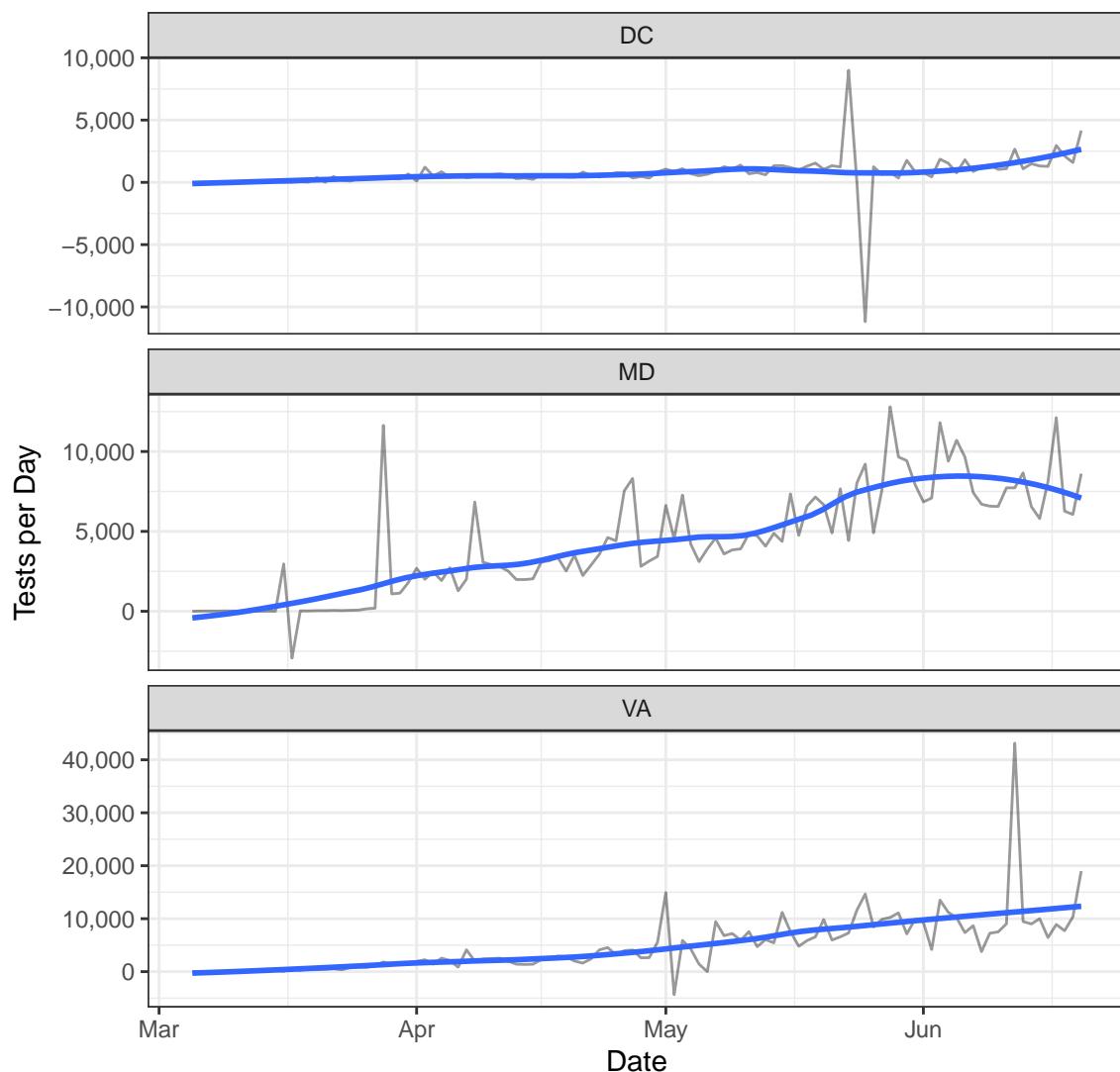




## Testing



## New Tests



## Positive Test Rate

