

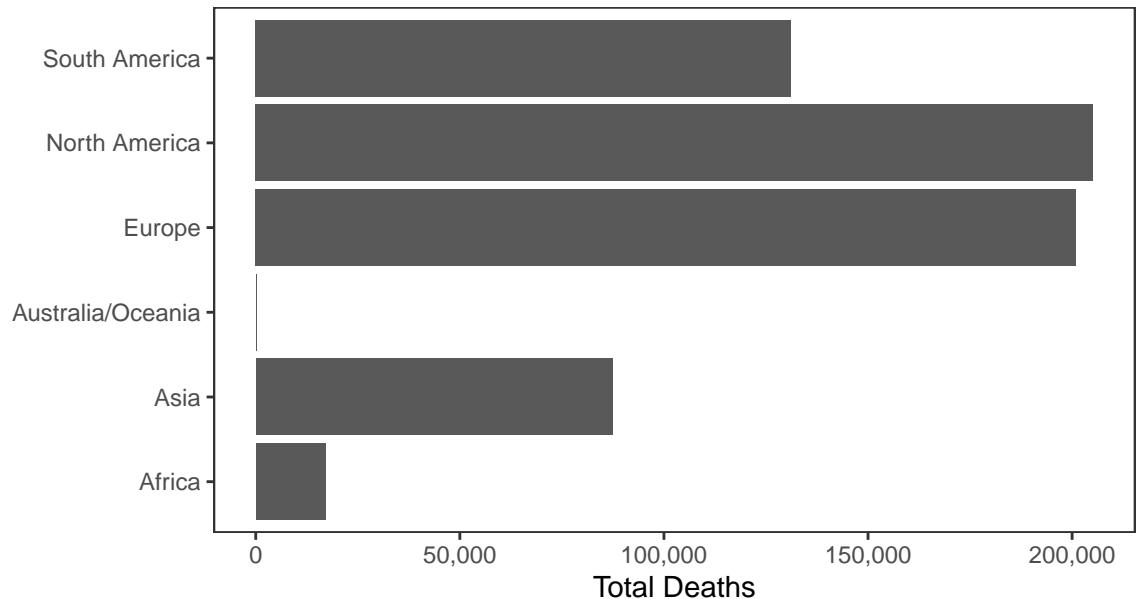
# Erik's Covid-19 Chart Pack

Data updated 2020-07-25 18:49:21. 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 15,931,445 confirmed Covid-19 cases and 641,885 deaths worldwide.

**Deaths**



**Cases**

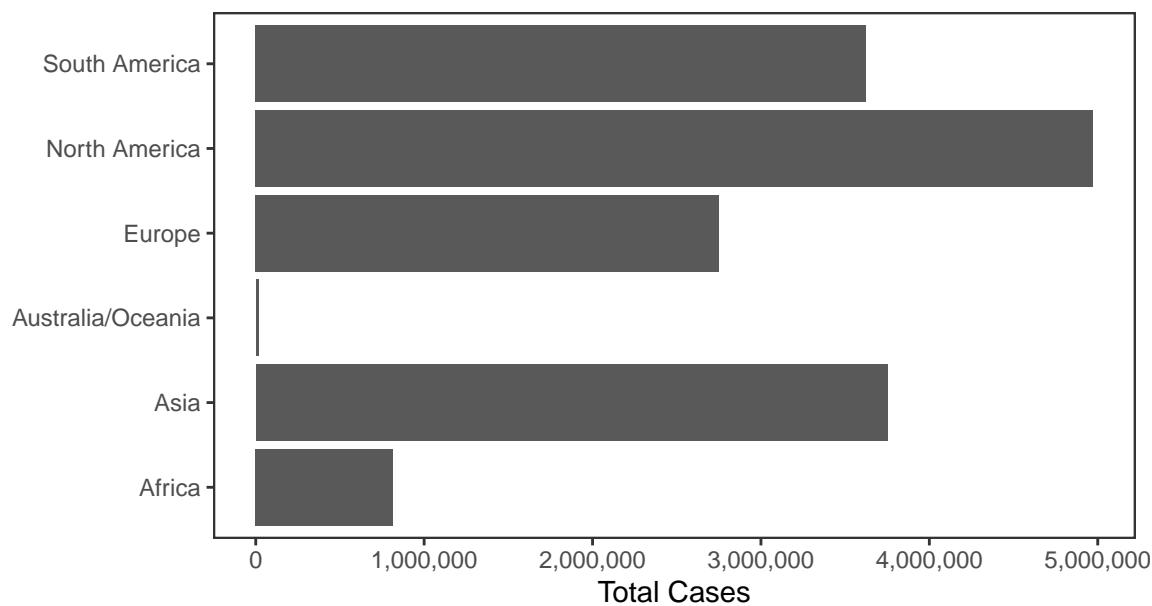
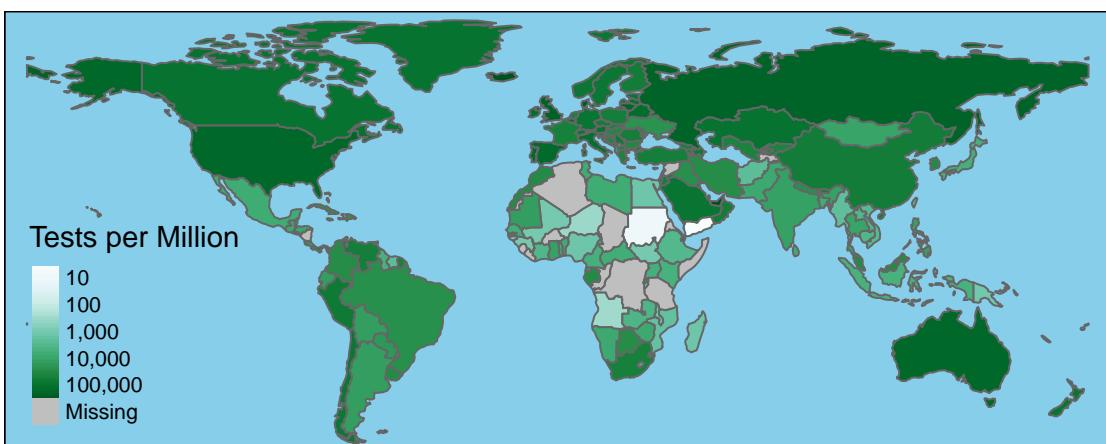
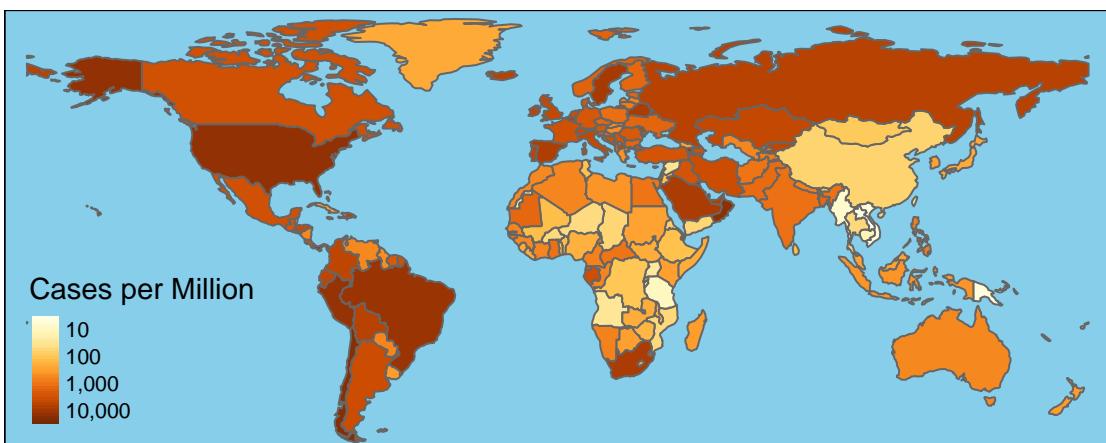
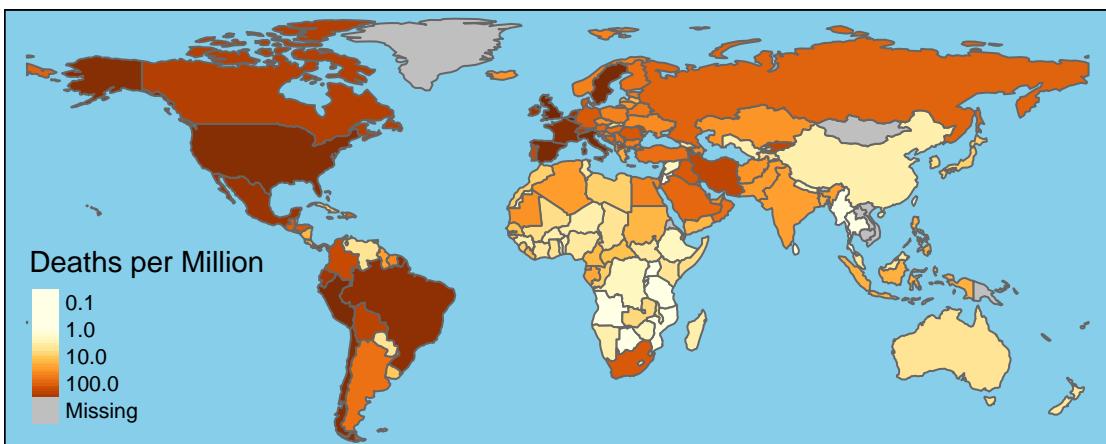


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	4,248,327	148,490	78,009	1,141
Brazil	2,348,200	85,385	58,249	1,178
India	1,337,022	31,406	48,892	761
Russia	800,849	13,046	5,811	154
South Africa	421,996	6,343	13,944	250
Peru	375,961	17,843	4,865	189
Mexico	370,712	41,908	8,438	718
Chile	341,304	8,914	2,545	76
Spain	319,501	28,432	2,255	3
UK	297,914	45,677	768	123
Iran	286,523	15,289	2,489	215
Pakistan	270,400	5,763	1,209	54
Saudi Arabia	262,772	2,672	2,378	37
Italy	245,590	35,097	252	5
Colombia	233,541	7,975	7,168	287
Turkey	224,252	5,580	937	17
Bangladesh	218,658	2,836	2,548	35
Germany	205,960	9,201	818	14
France	180,528	30,192	1,130	10
Argentina	153,520	2,807	5,493	105



## National Data

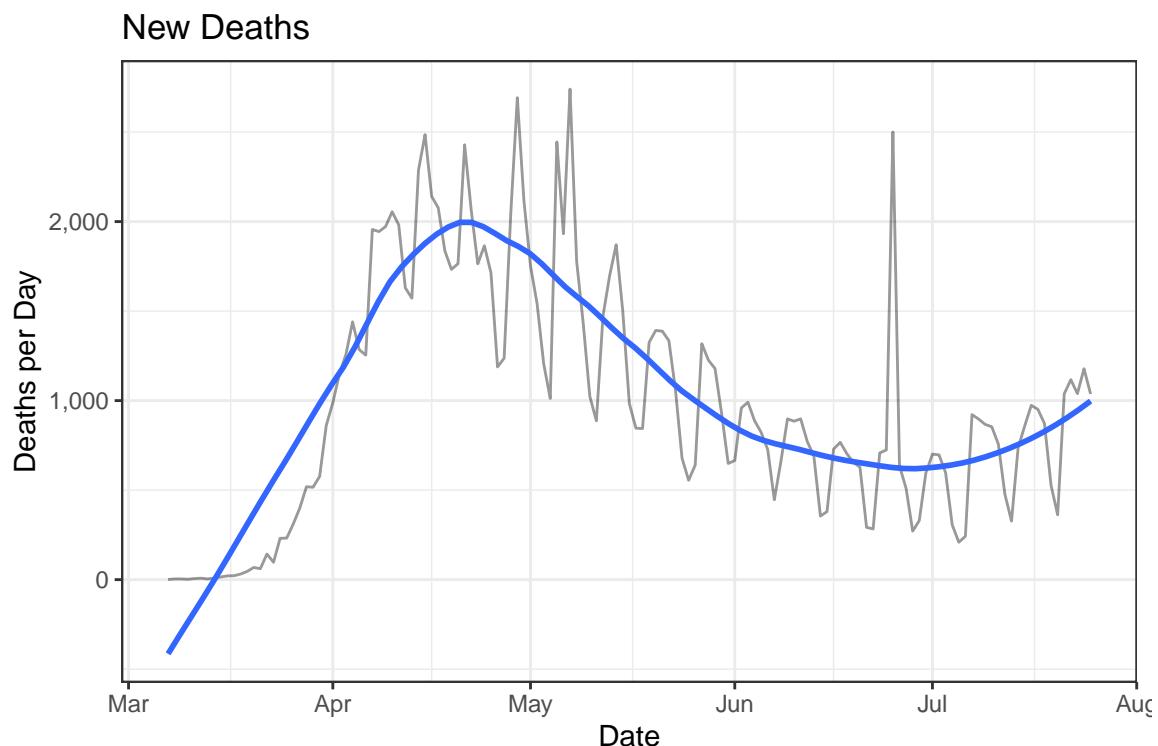
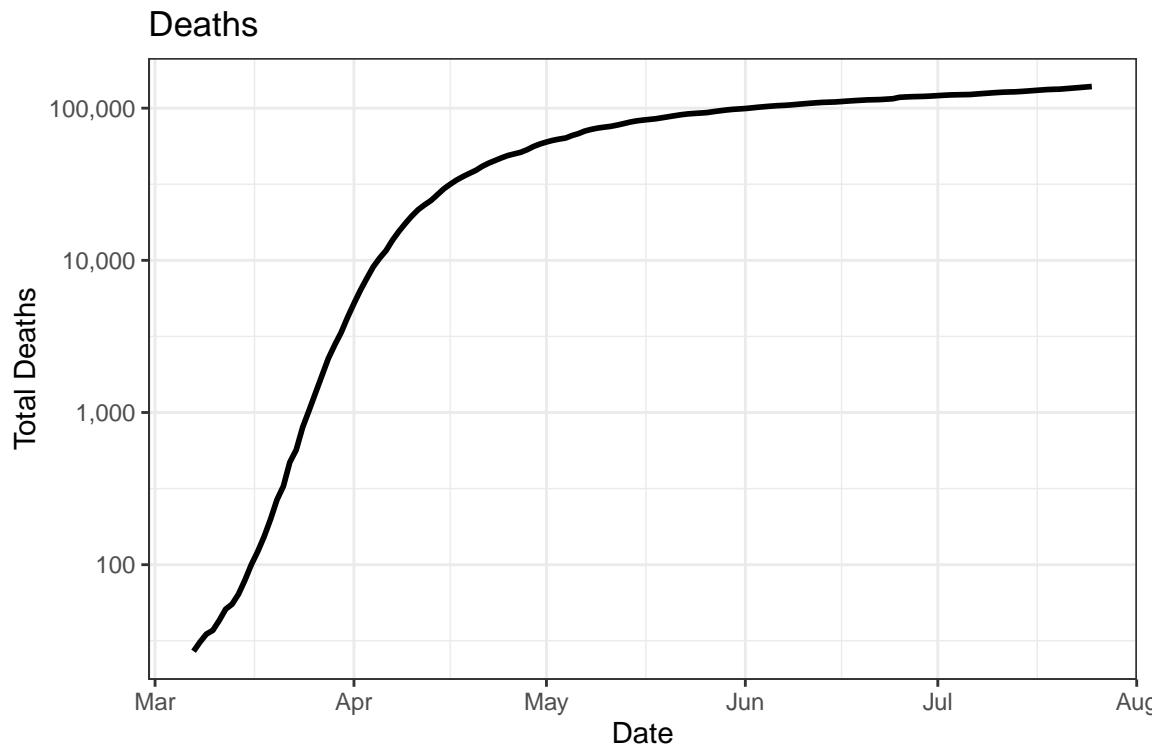
There have been 4,158,341 confirmed Covid-19 cases and 138,692 deaths in the United States.

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

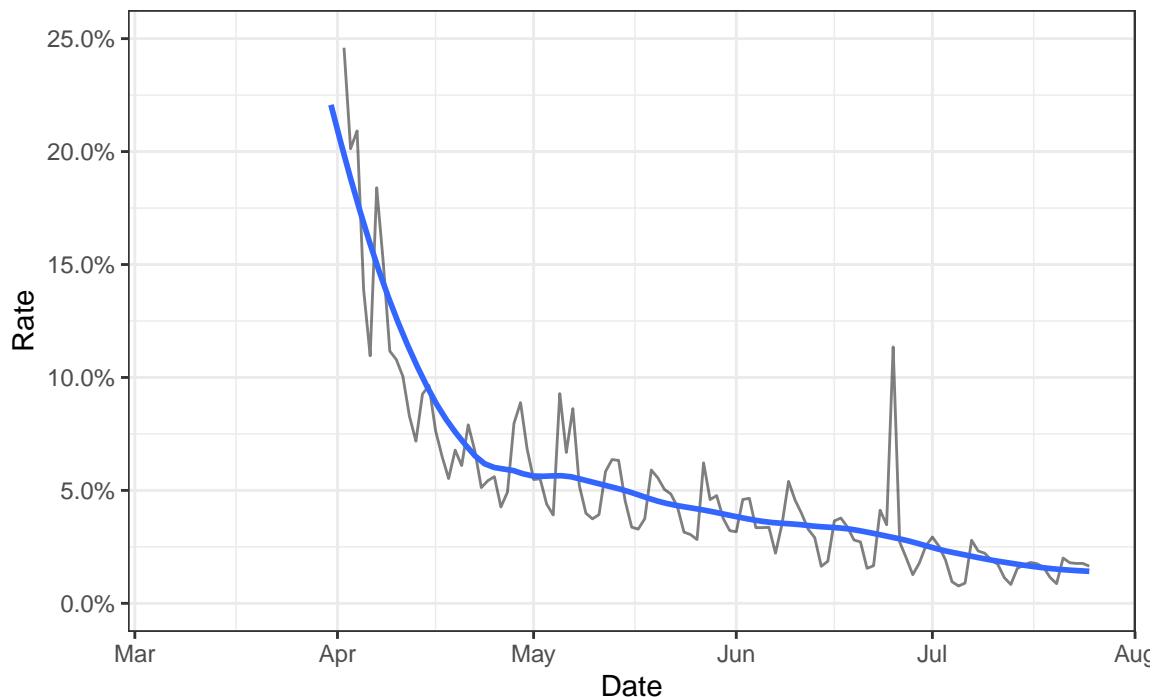
Date	Cases	Deaths	New Cases	New Deaths
2020-07-25	4,158,341	138,692	65,413	1,037
2020-07-24	4,092,928	137,655	75,193	1,178
2020-07-23	4,017,735	136,477	71,027	1,039
2020-07-22	3,946,708	135,438	69,150	1,117
2020-07-21	3,877,558	134,321	63,642	1,038
2020-07-20	3,813,916	133,283	56,971	362
2020-07-19	3,756,945	132,921	64,884	526
2020-07-18	3,692,061	132,395	65,180	872
2020-07-17	3,626,881	131,523	77,233	951
2020-07-16	3,549,648	130,572	70,953	974
2020-07-15	3,478,695	129,598	65,382	858
2020-07-14	3,413,313	128,740	62,879	736
2020-07-13	3,350,434	128,004	58,465	327
2020-07-12	3,291,969	127,677	60,978	476

## Deaths

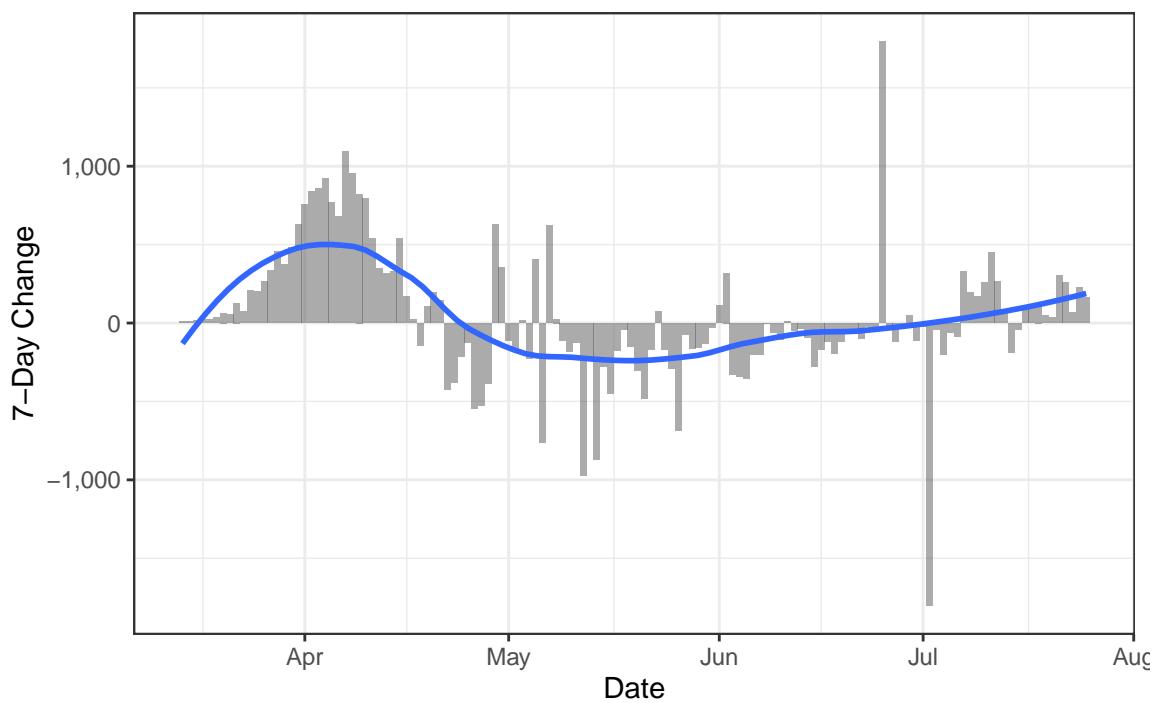
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

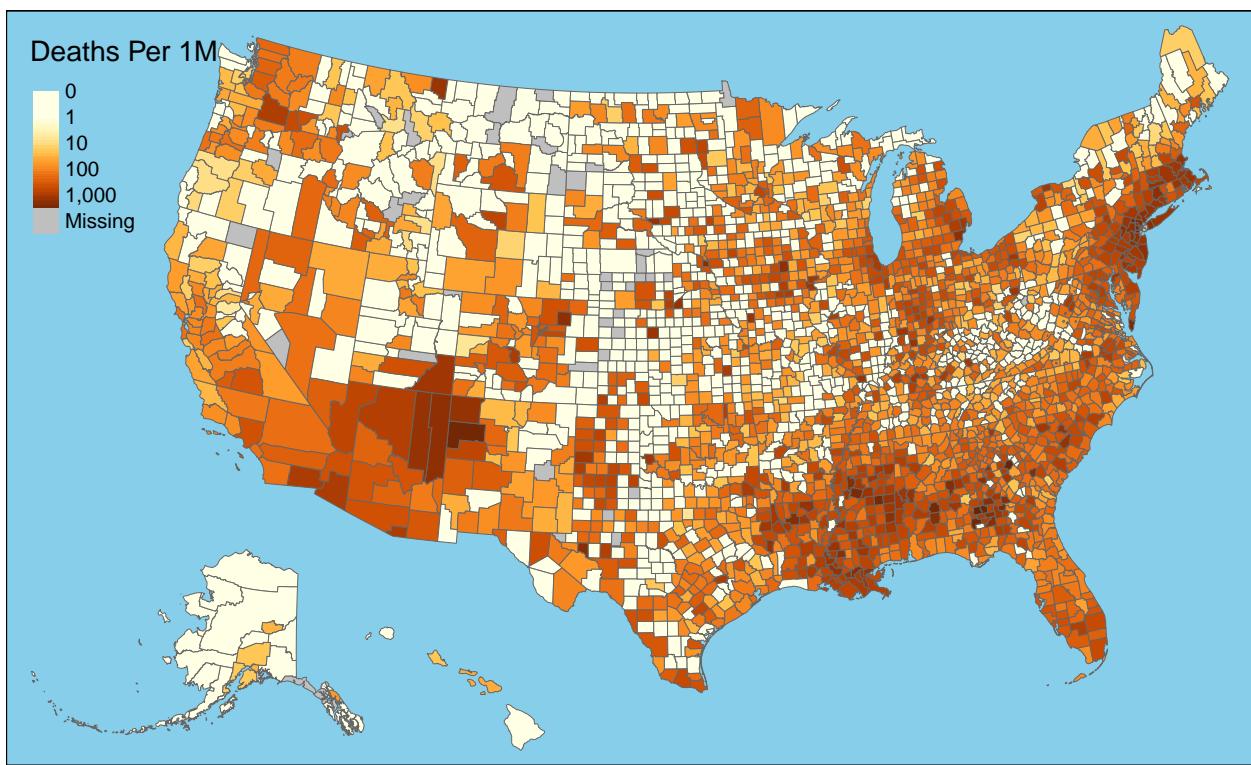


### Daily Case Mortality Rate



### One-Week Change in Daily Deaths

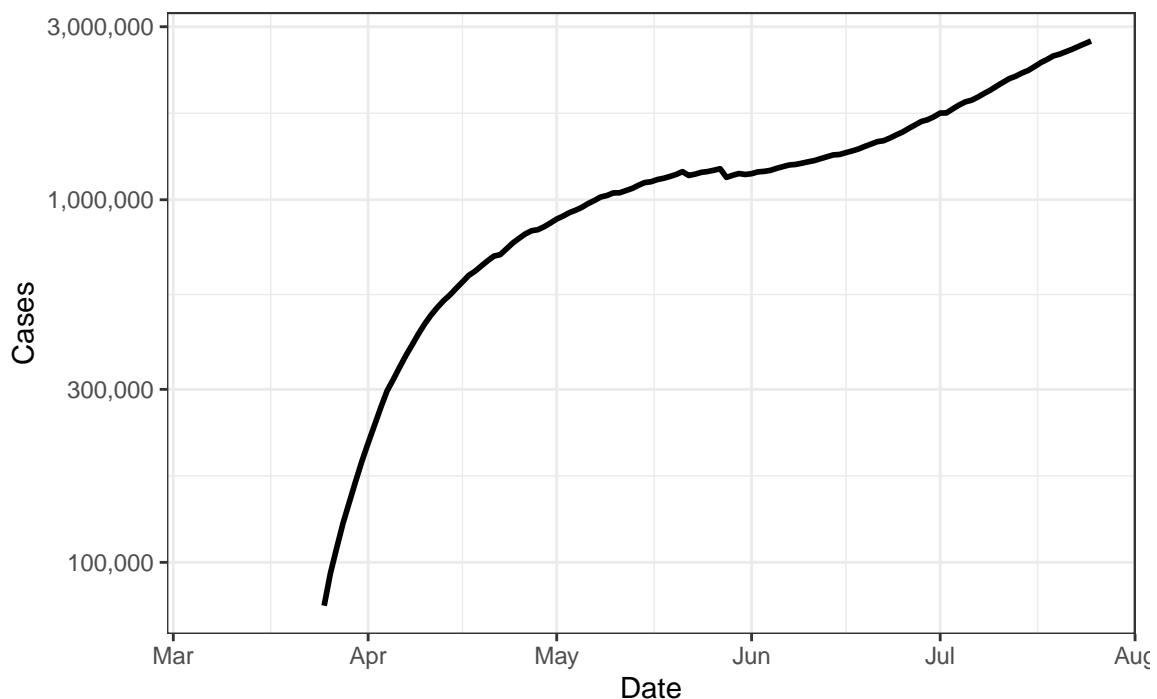




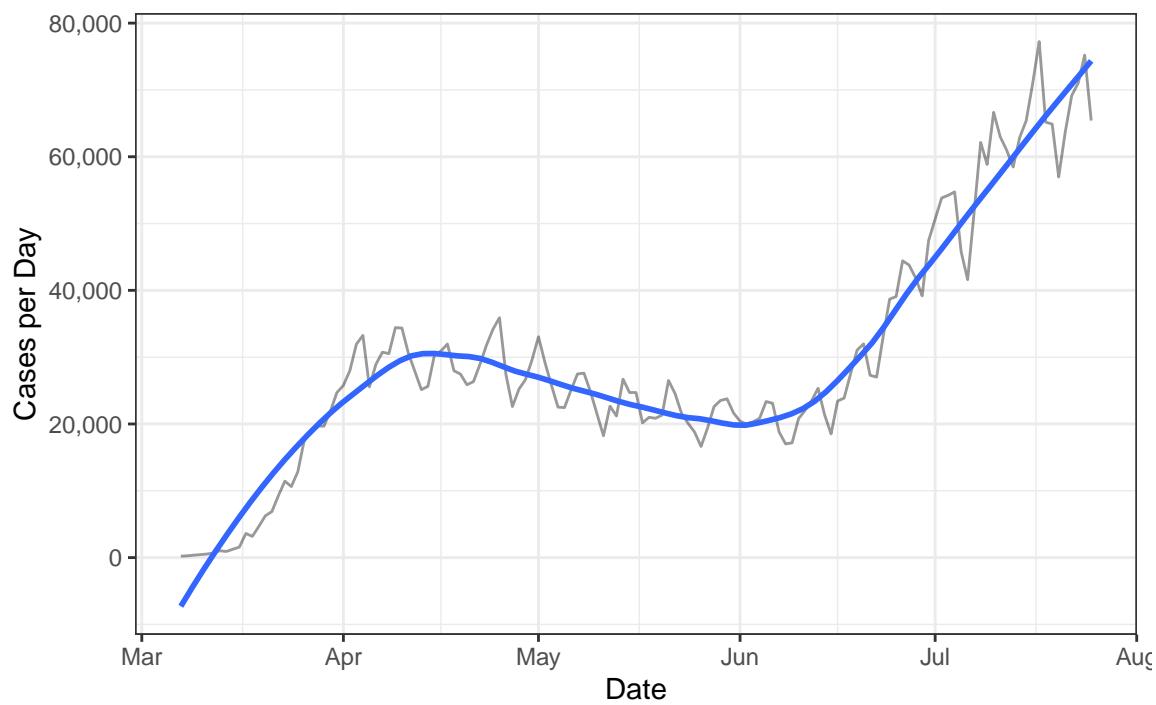
## Cases

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

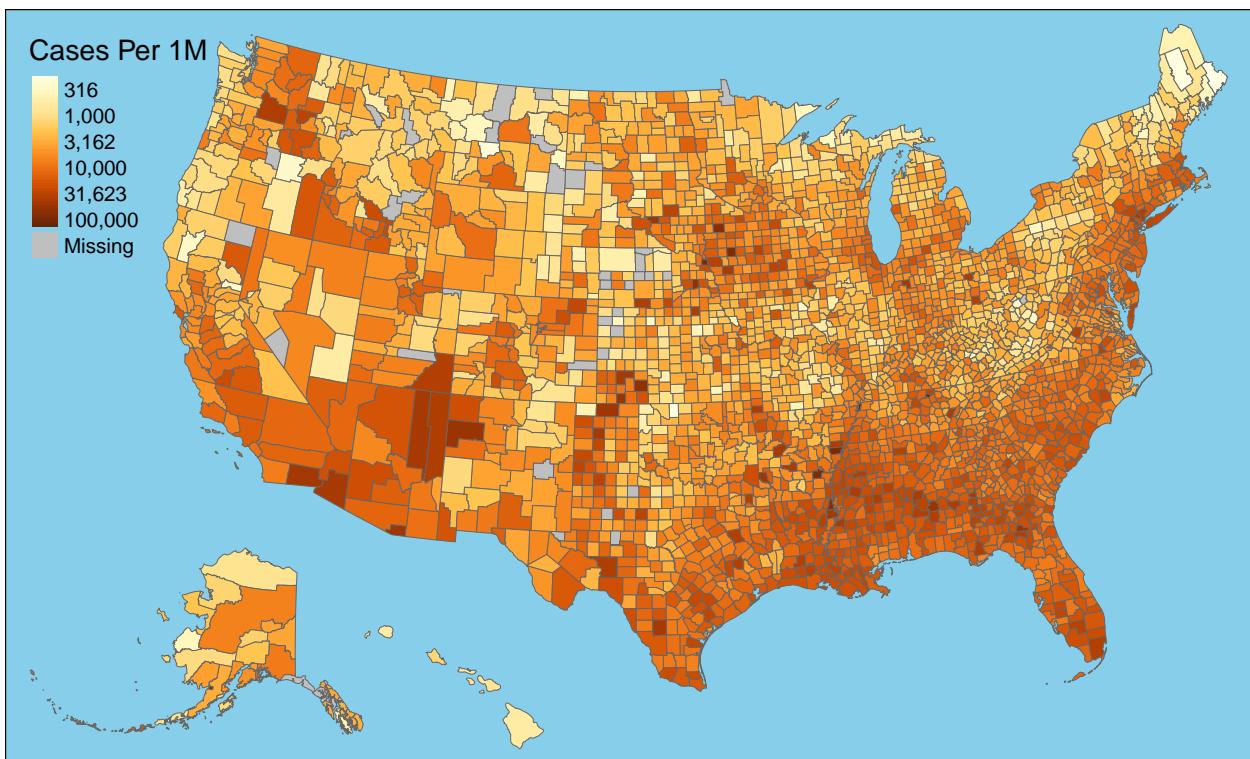
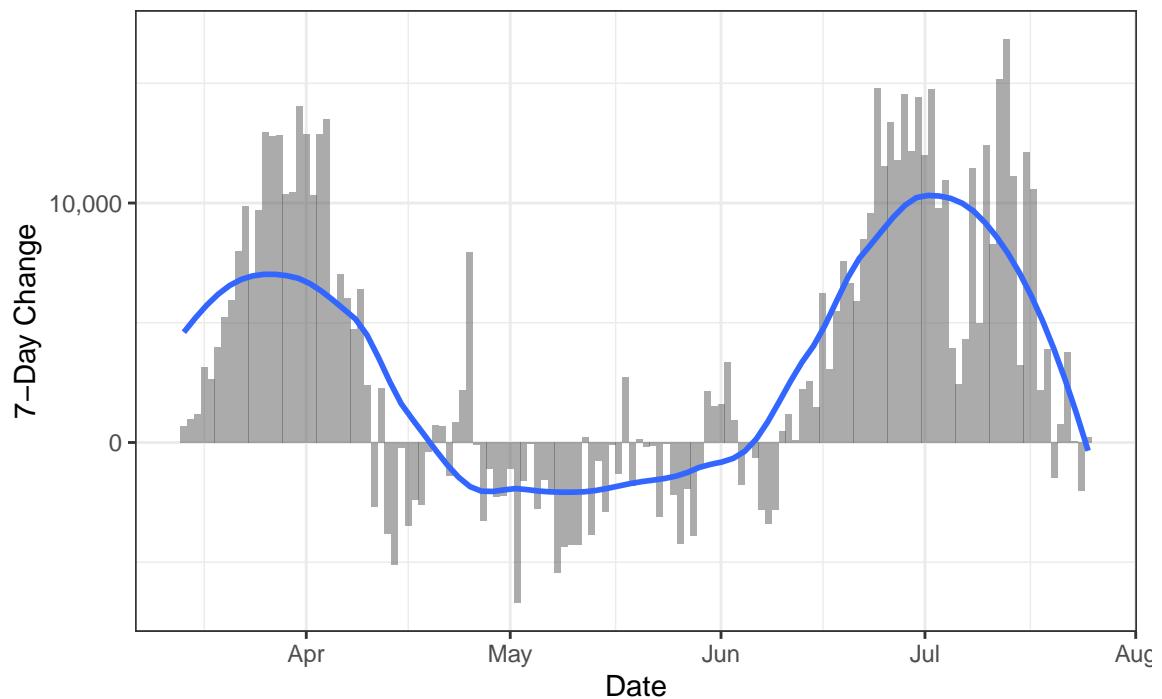
### Active Cases



### New Cases



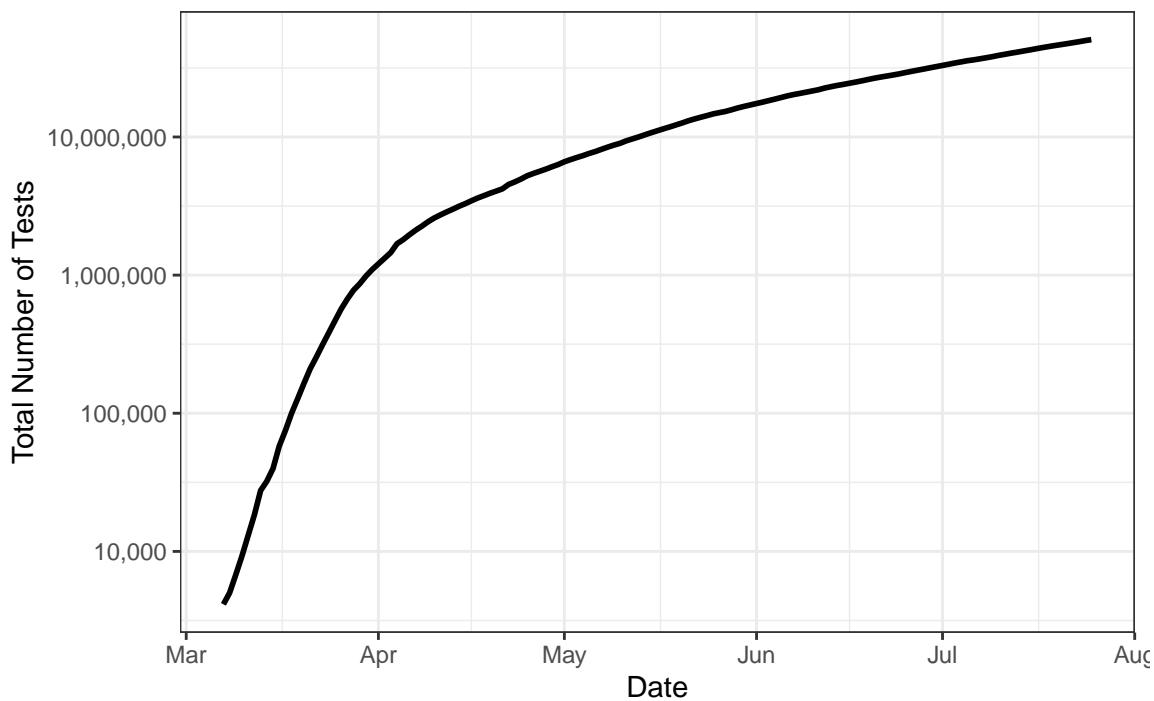
## One-Week Change in Daily Cases



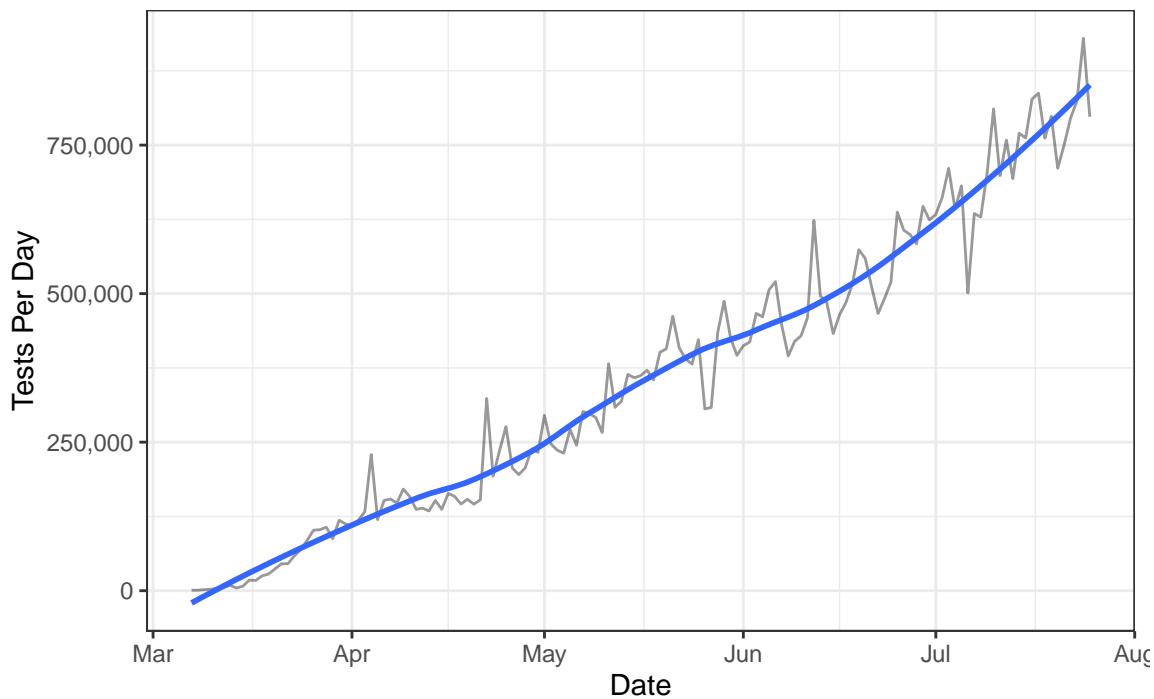
## Testing

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.

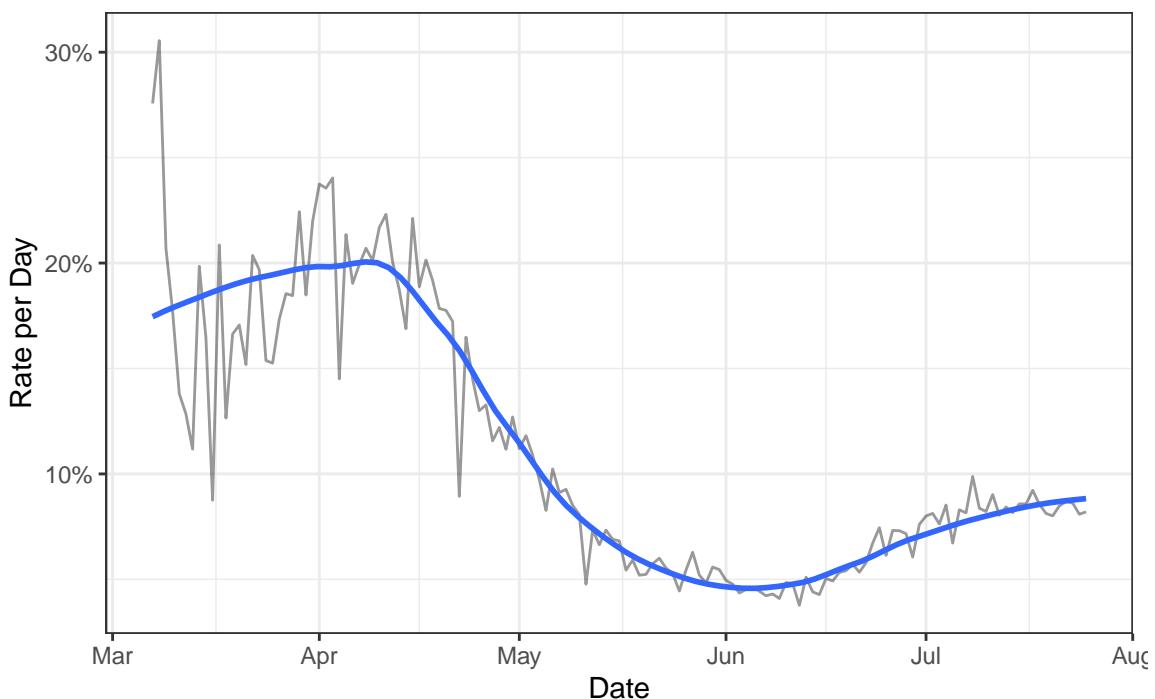
Tests



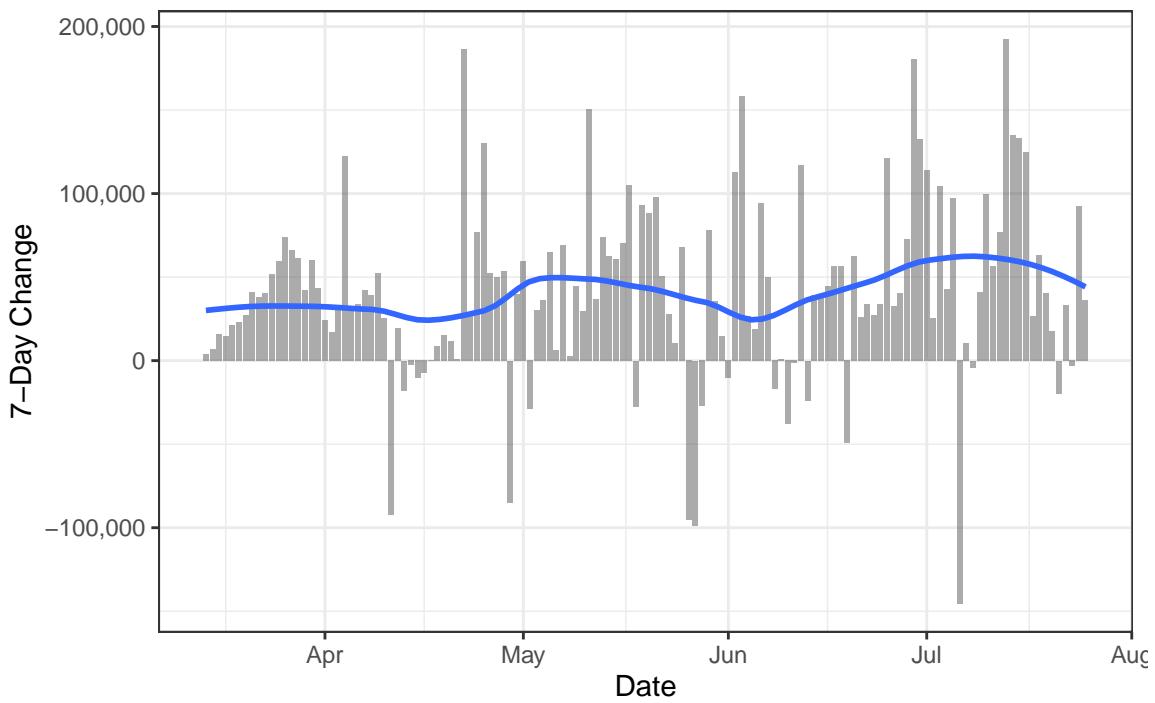
New Tests



### Positive Test Rate



### One-Week Change in Daily Tests

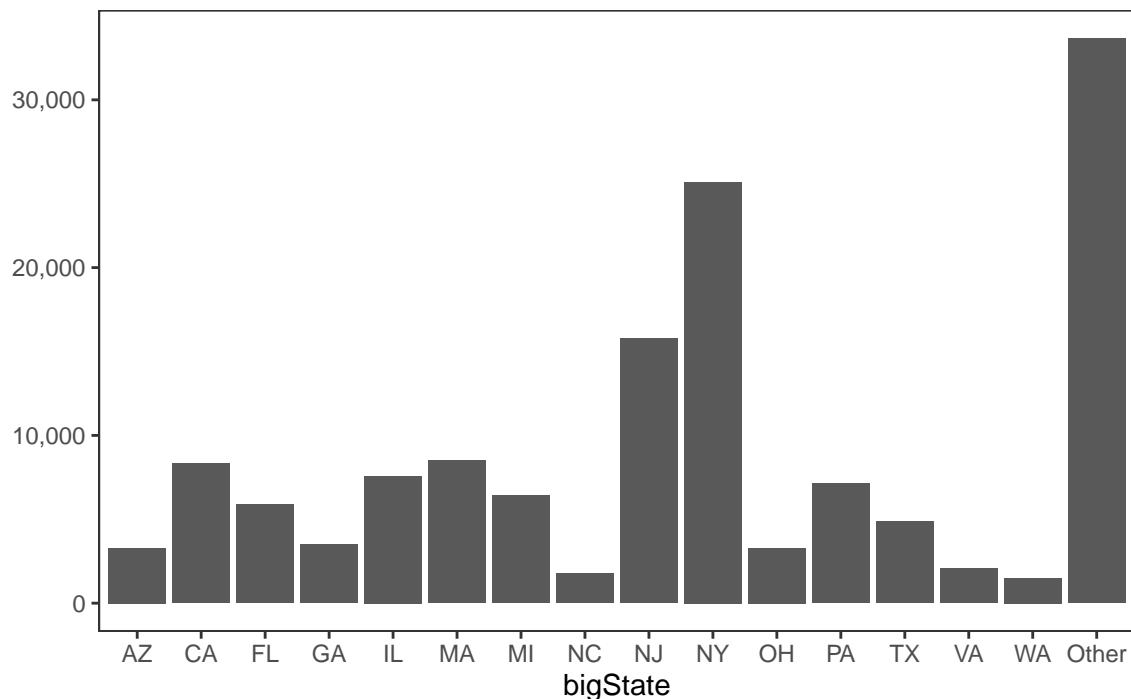


## State Data

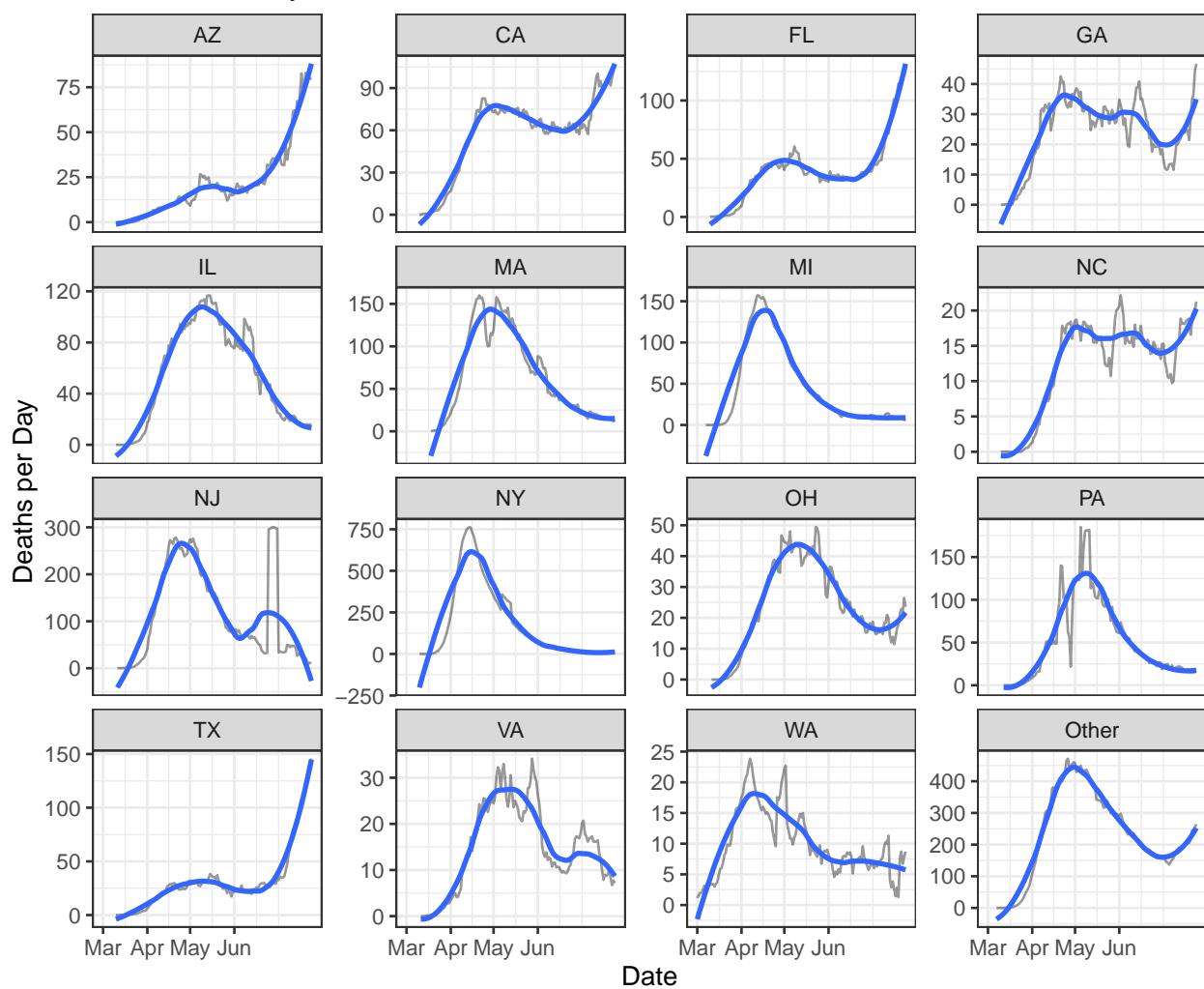
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

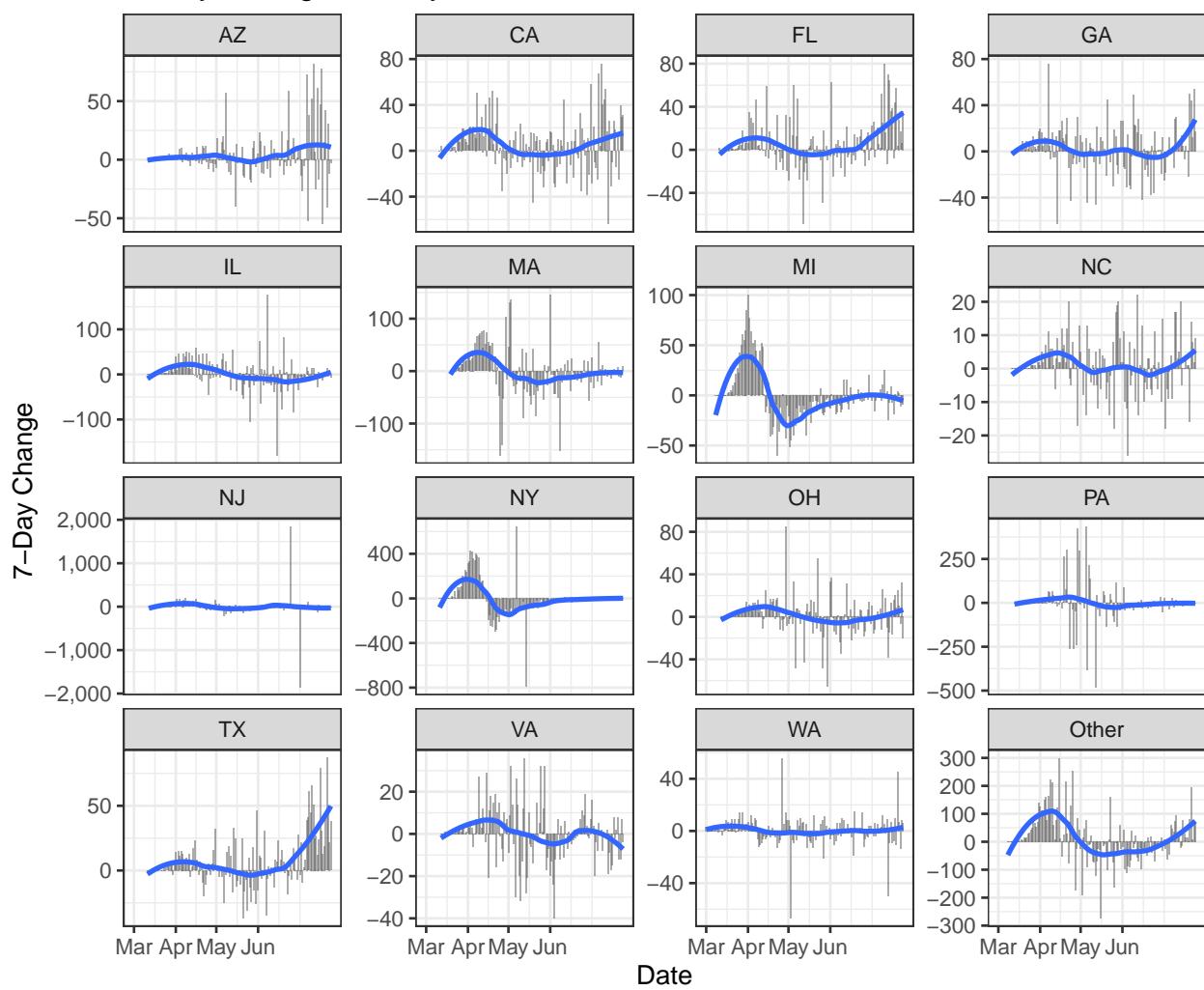
Deaths by State

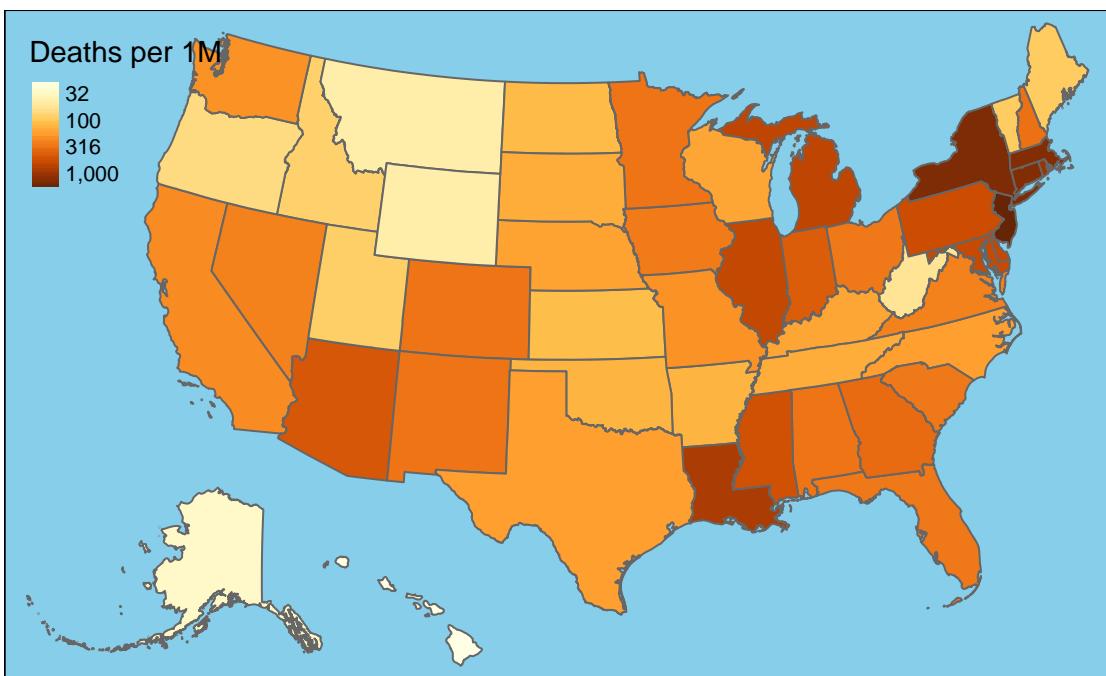
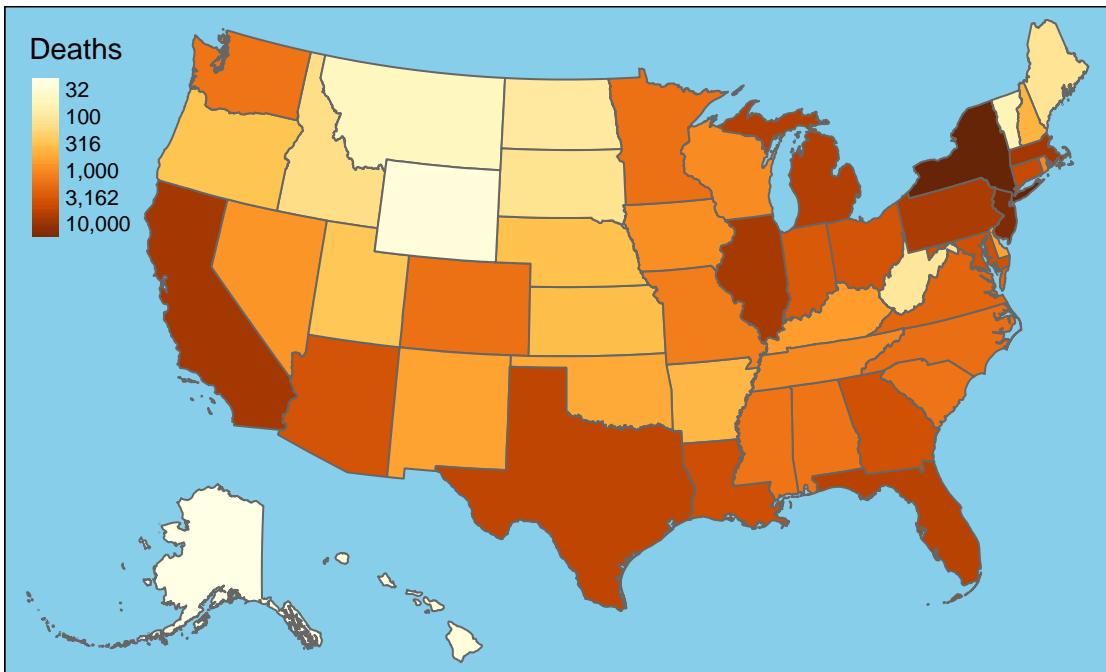


## New Deaths by State



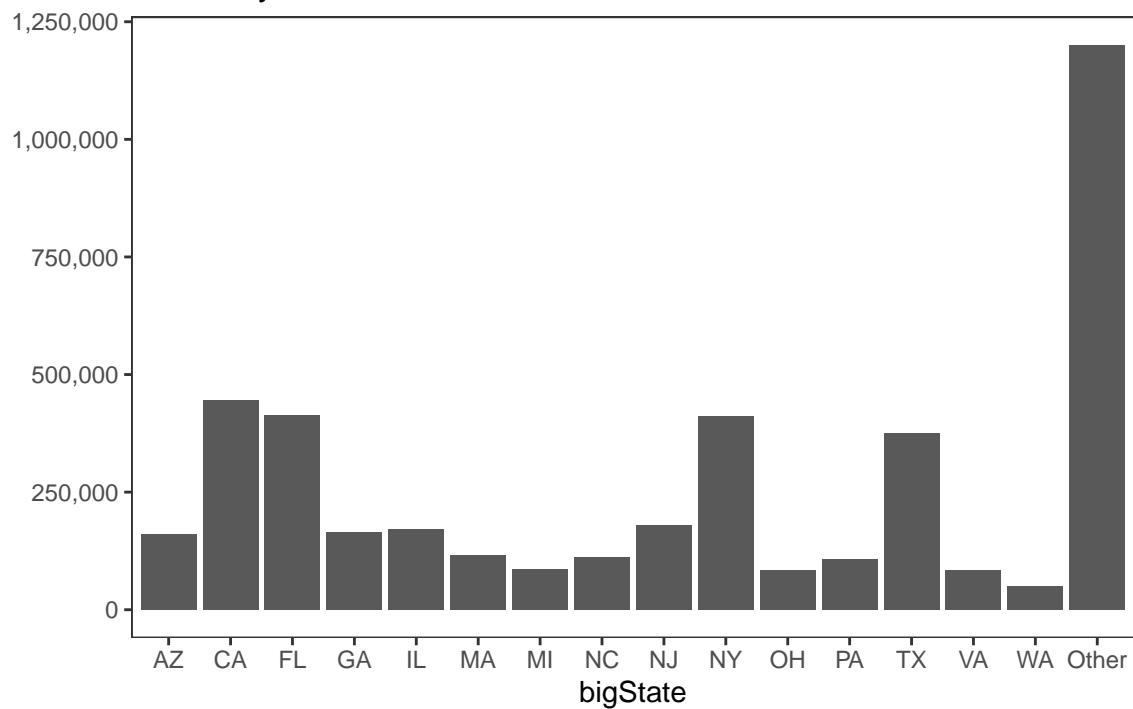
### 7-Day Change in Daily Deaths



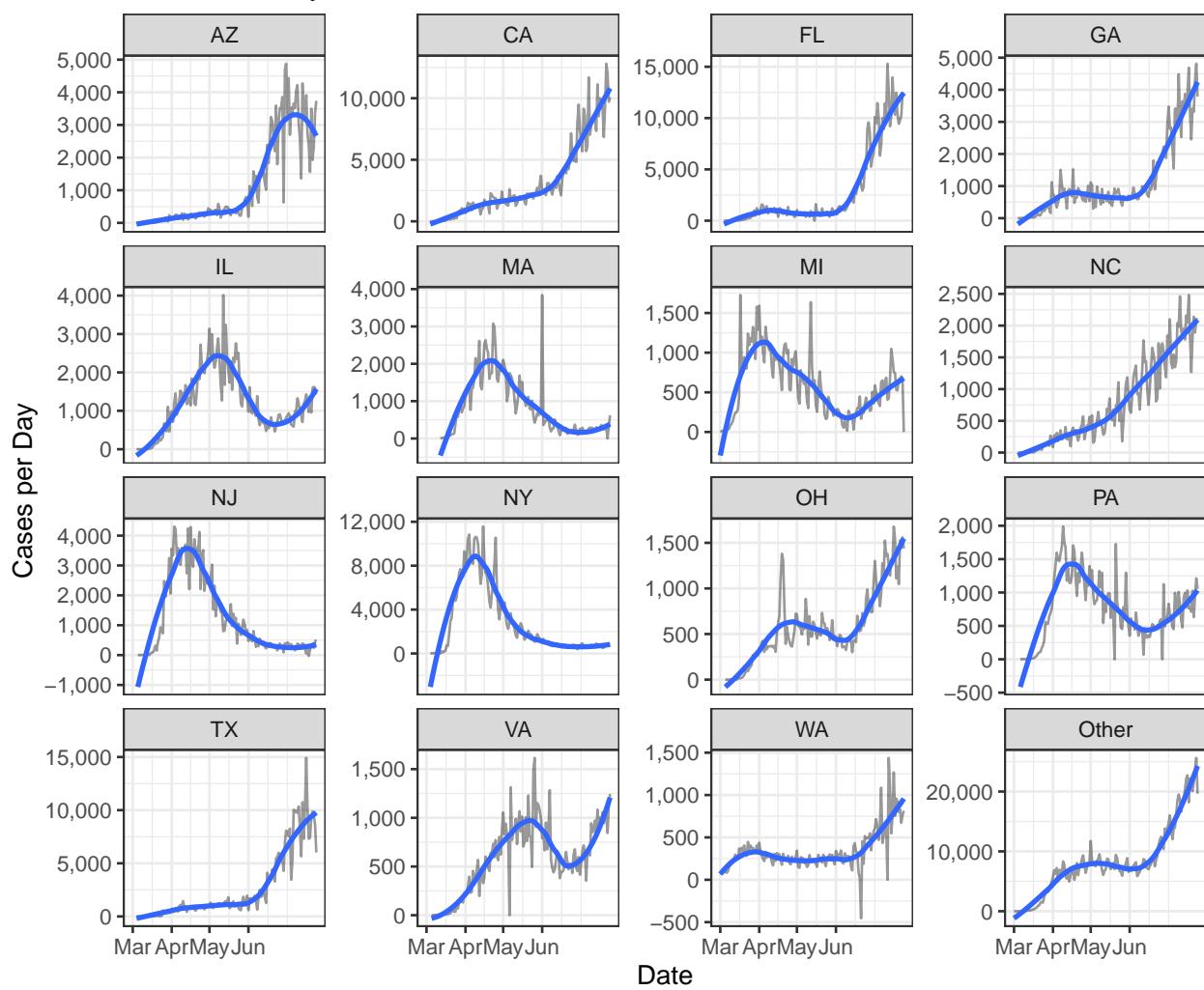


Cases

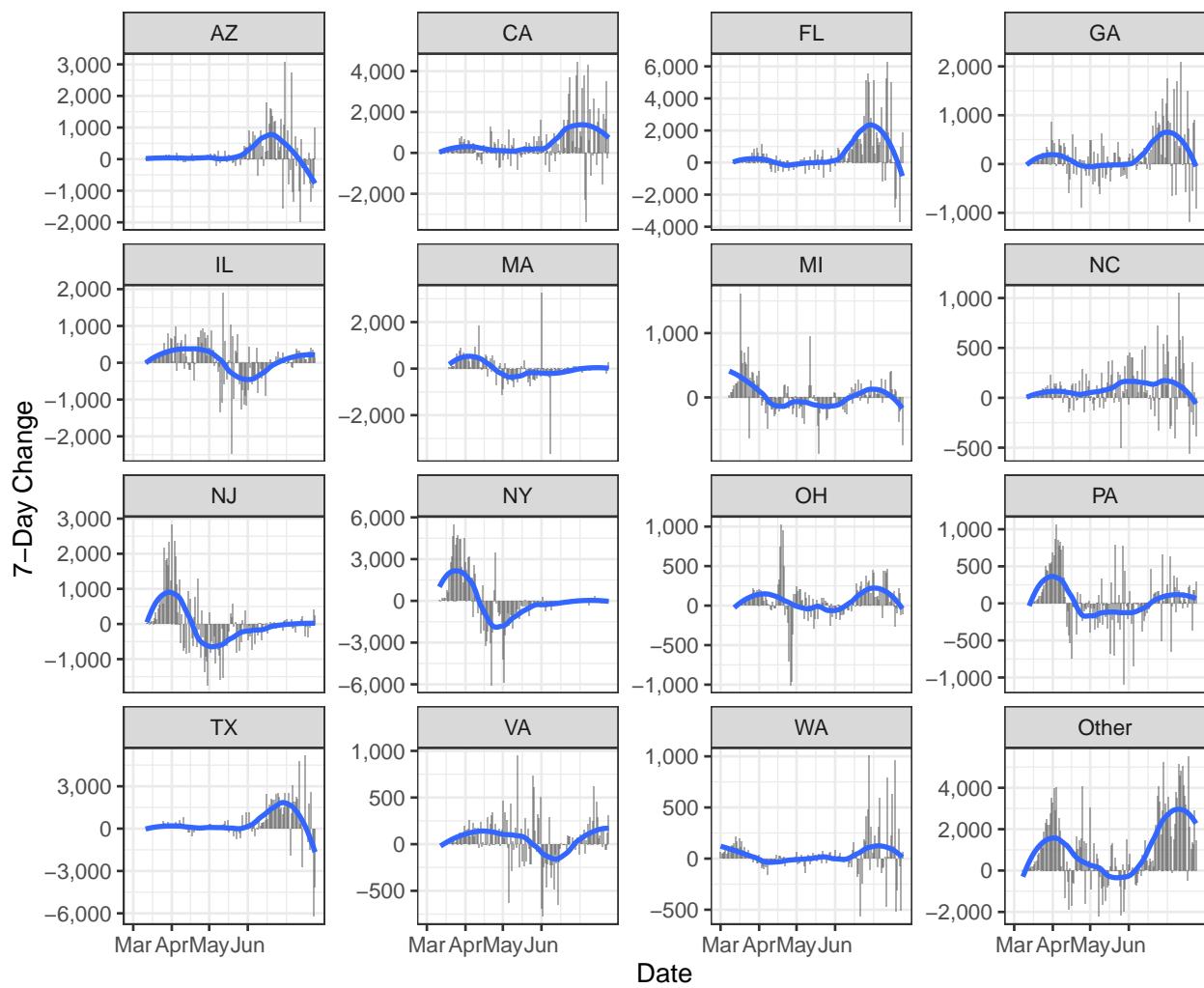
Cases by State

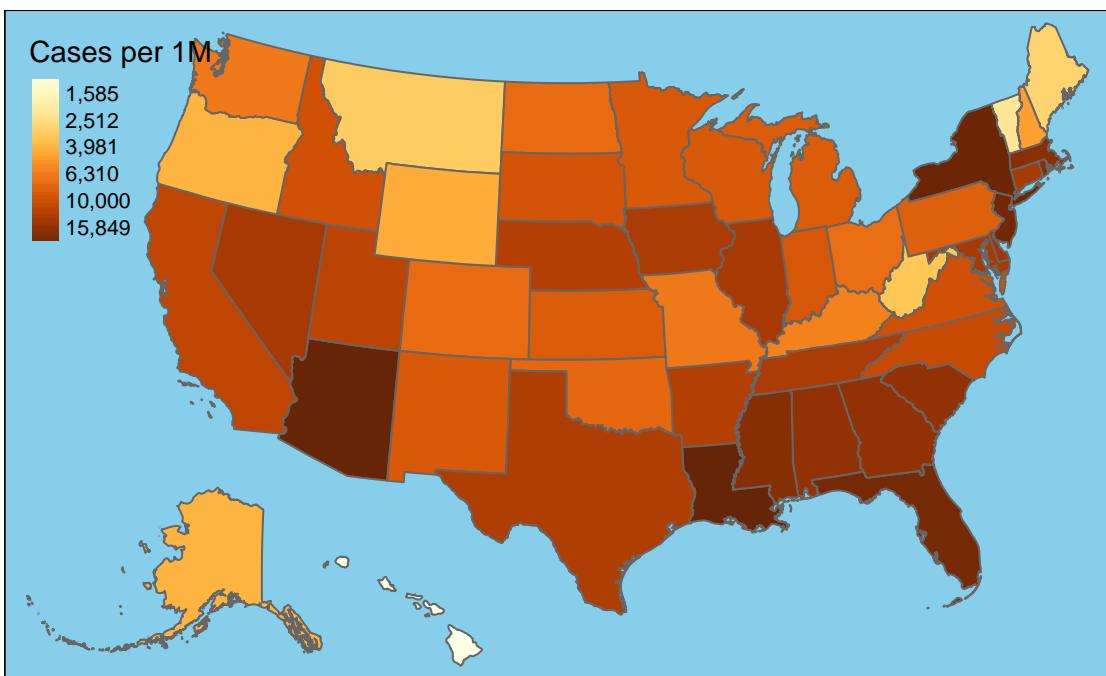
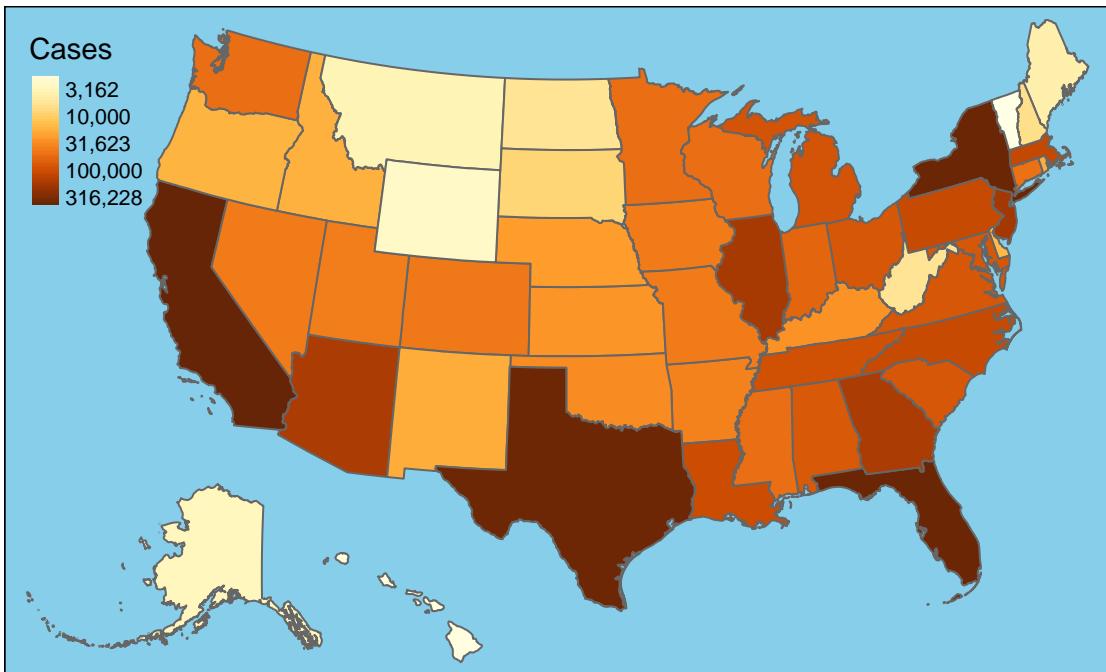


## New Cases by State

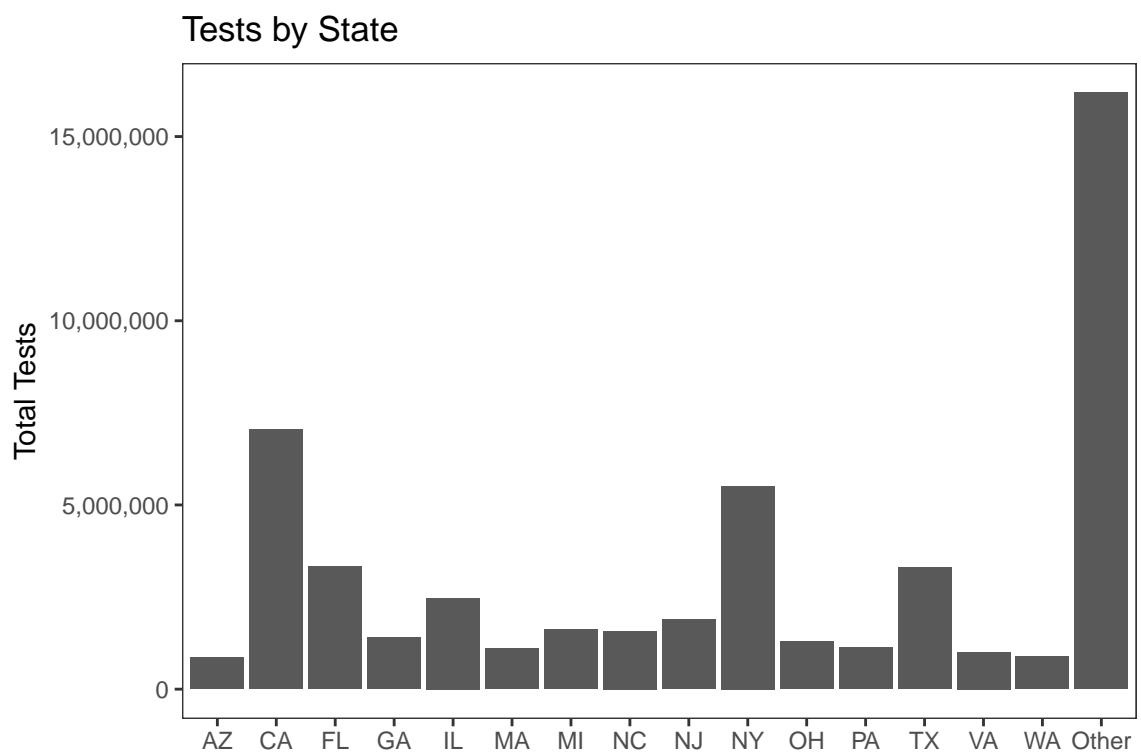


### 7-Day Change in Daily Cases

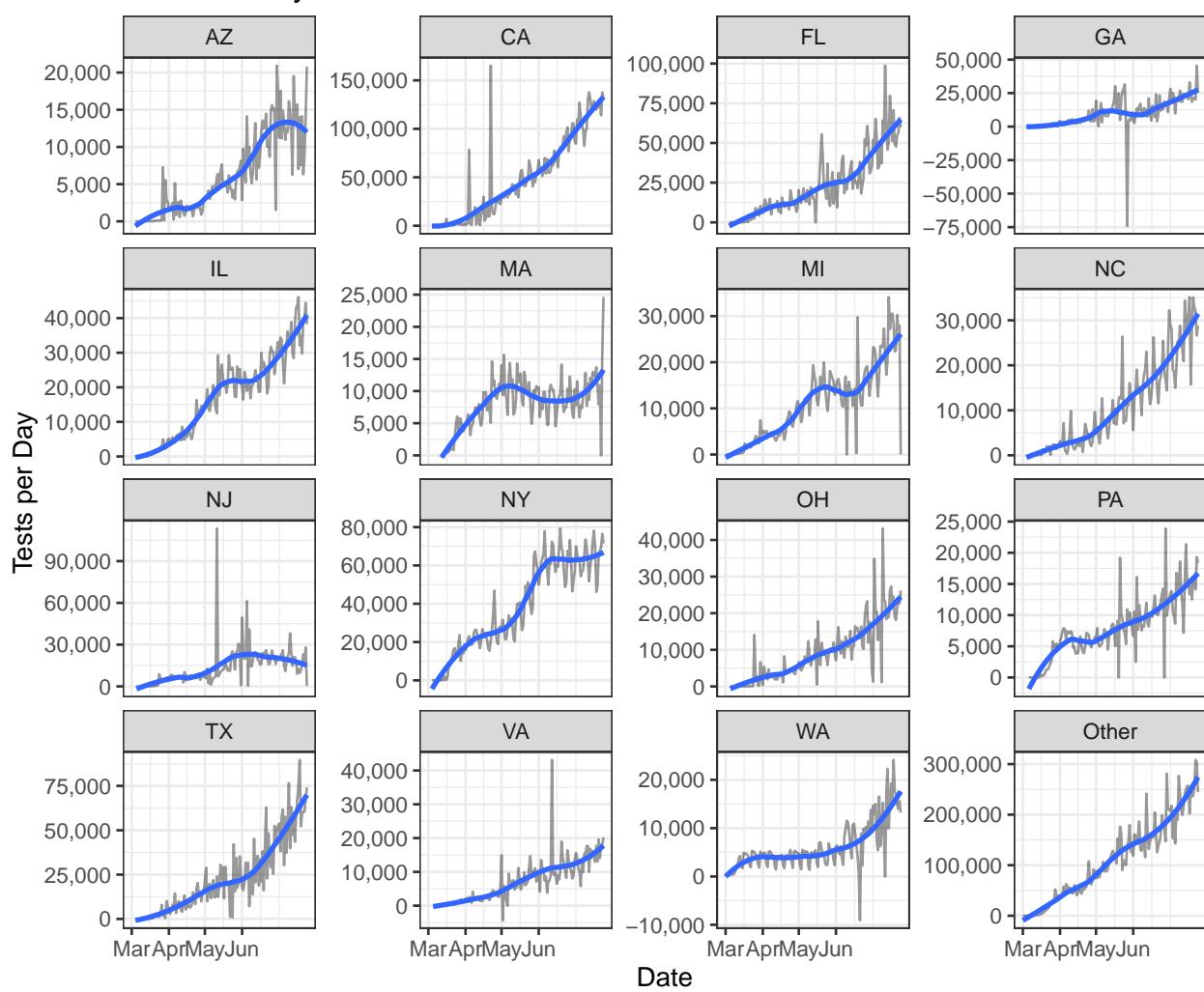


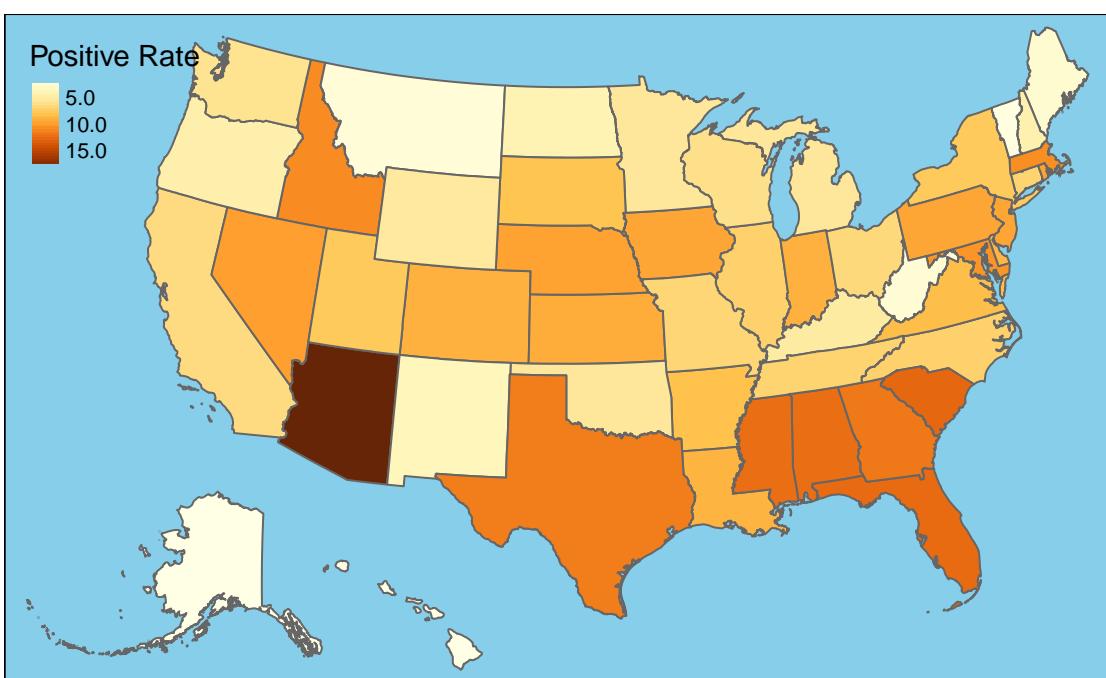
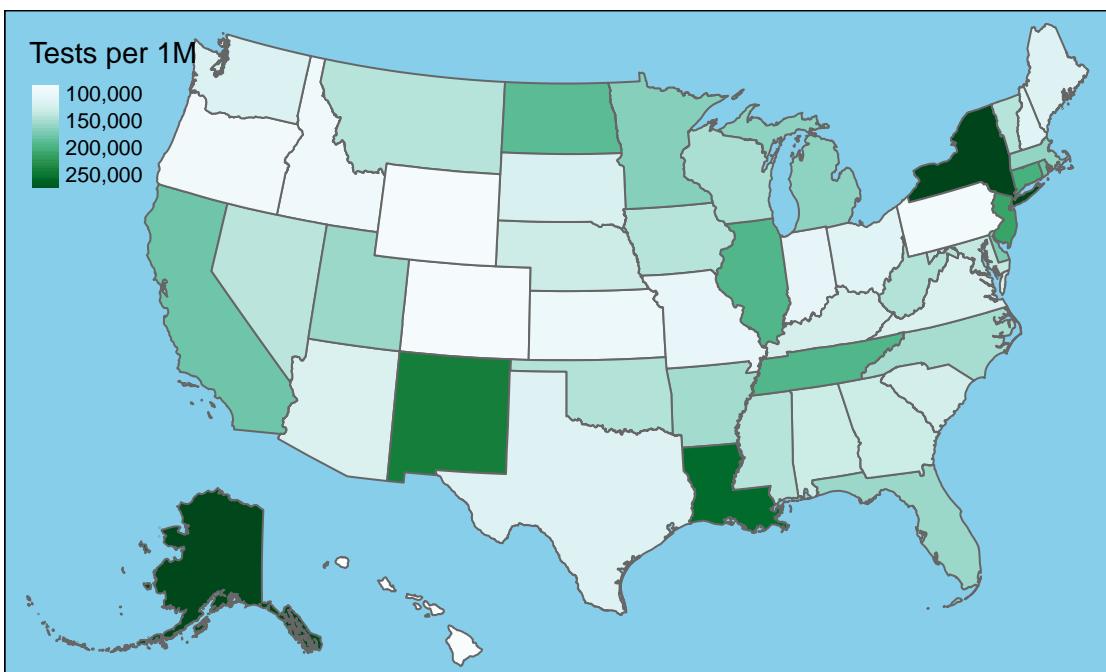


## Testing



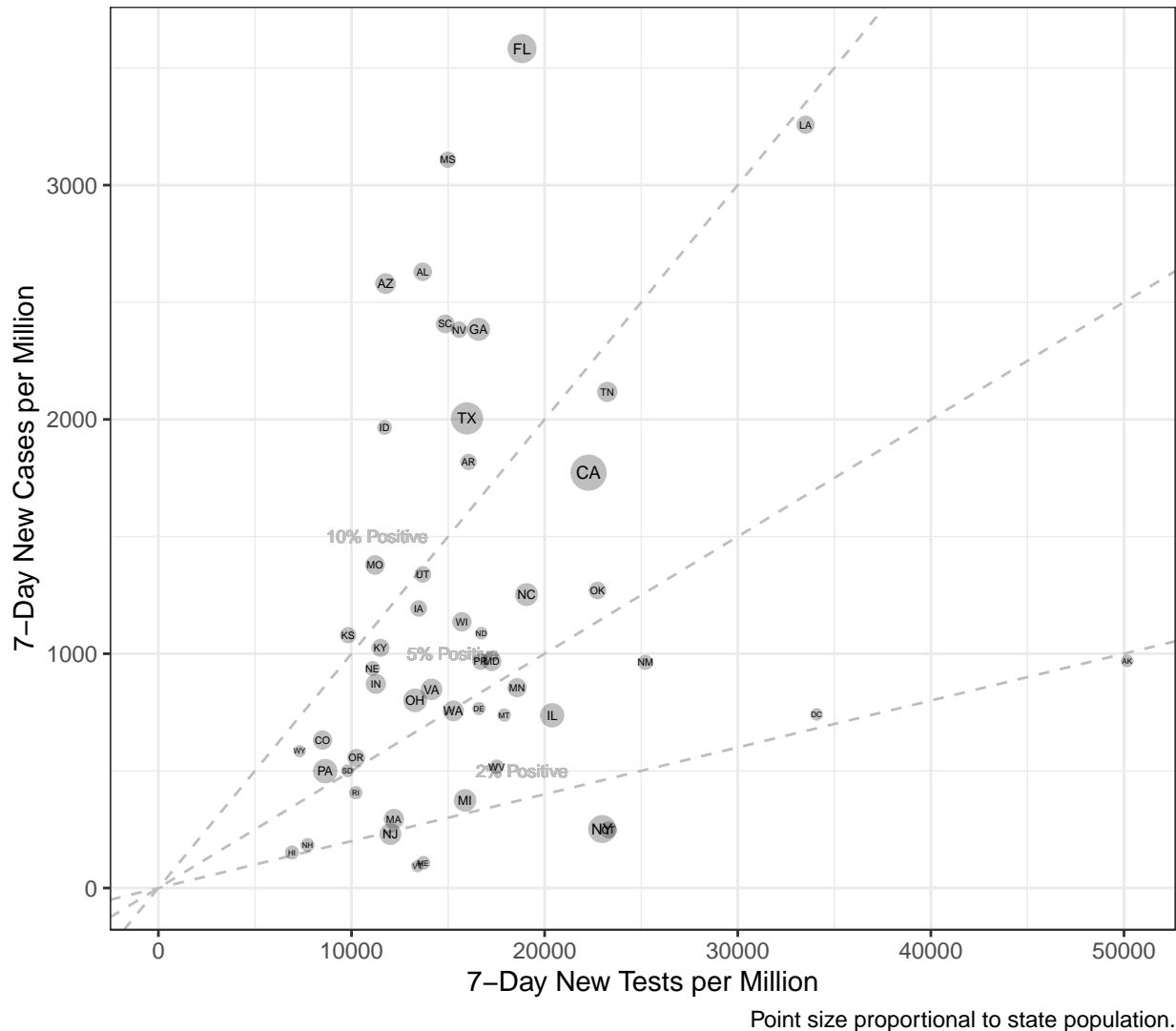
## New Tests by State





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



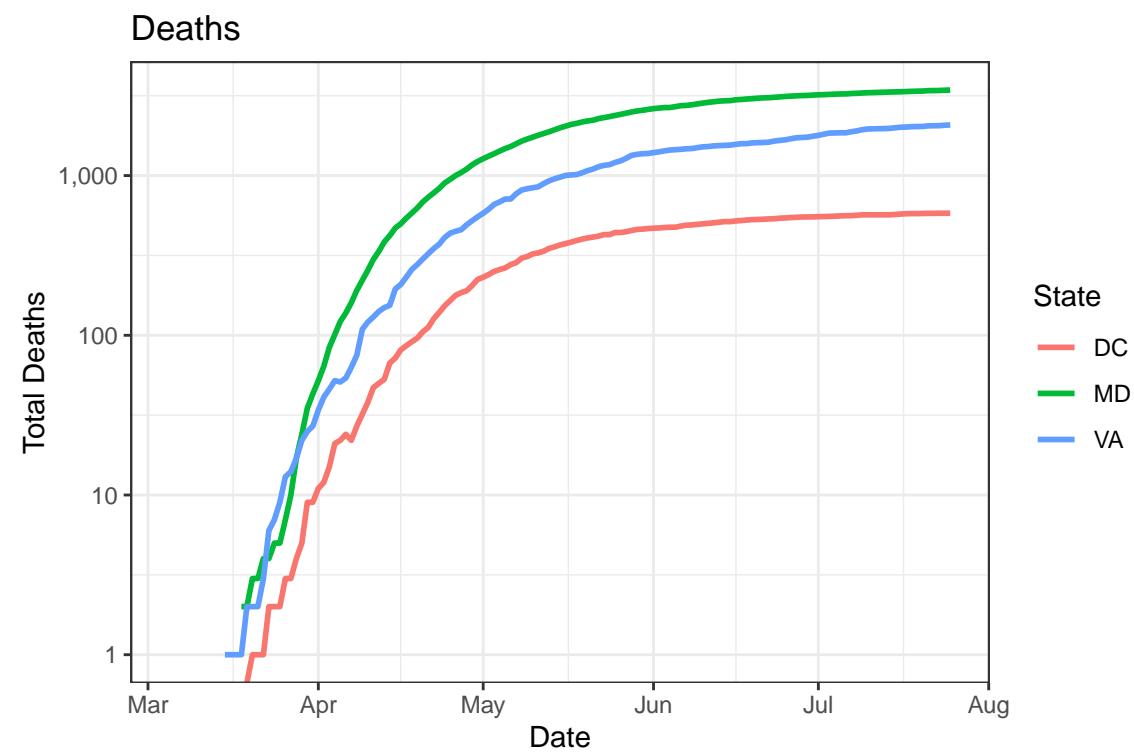
## Local Data

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

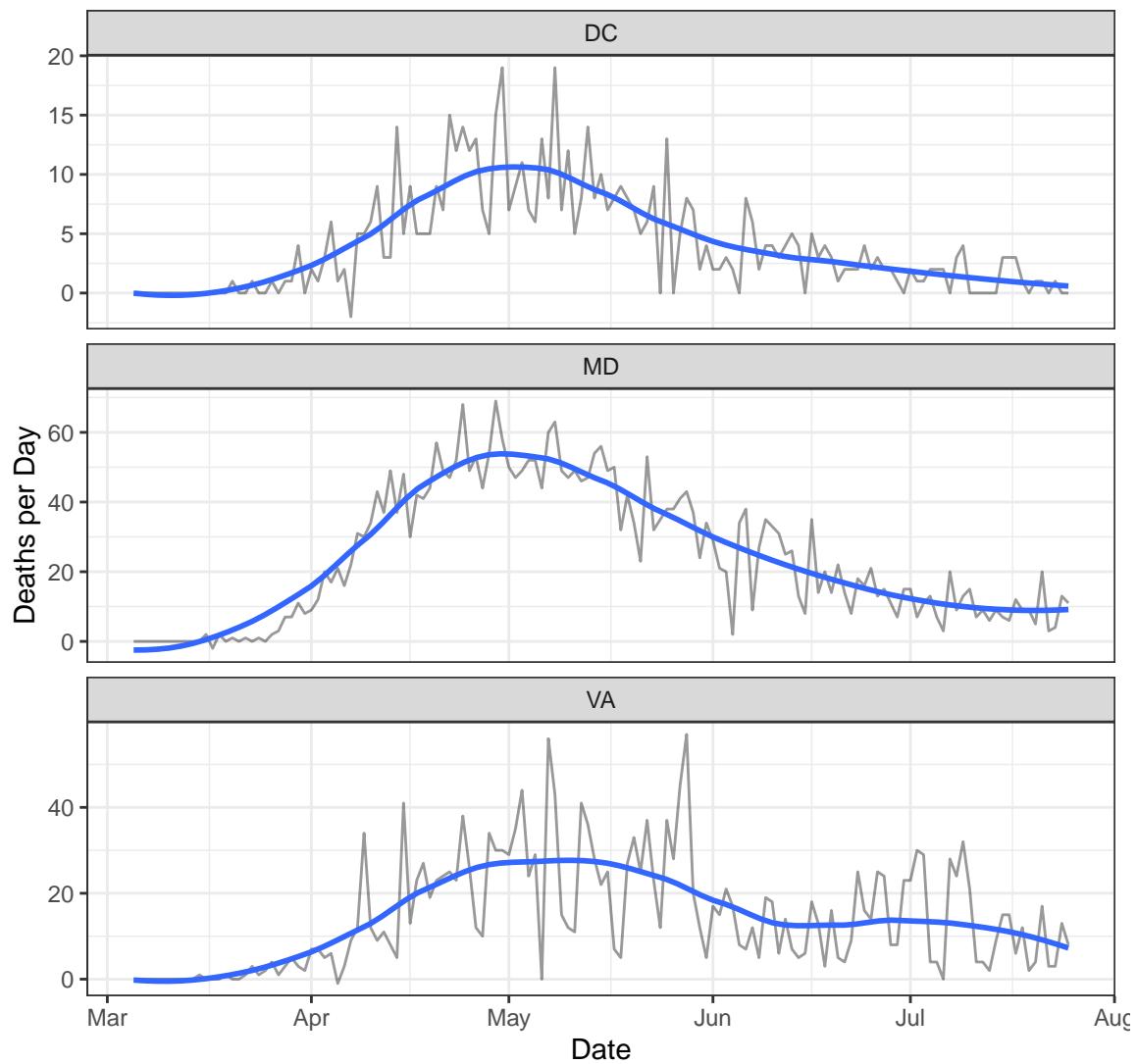
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,717	581	68	0
MD	83,054	3,433	1,288	11
VA	83,609	2,075	1,245	8

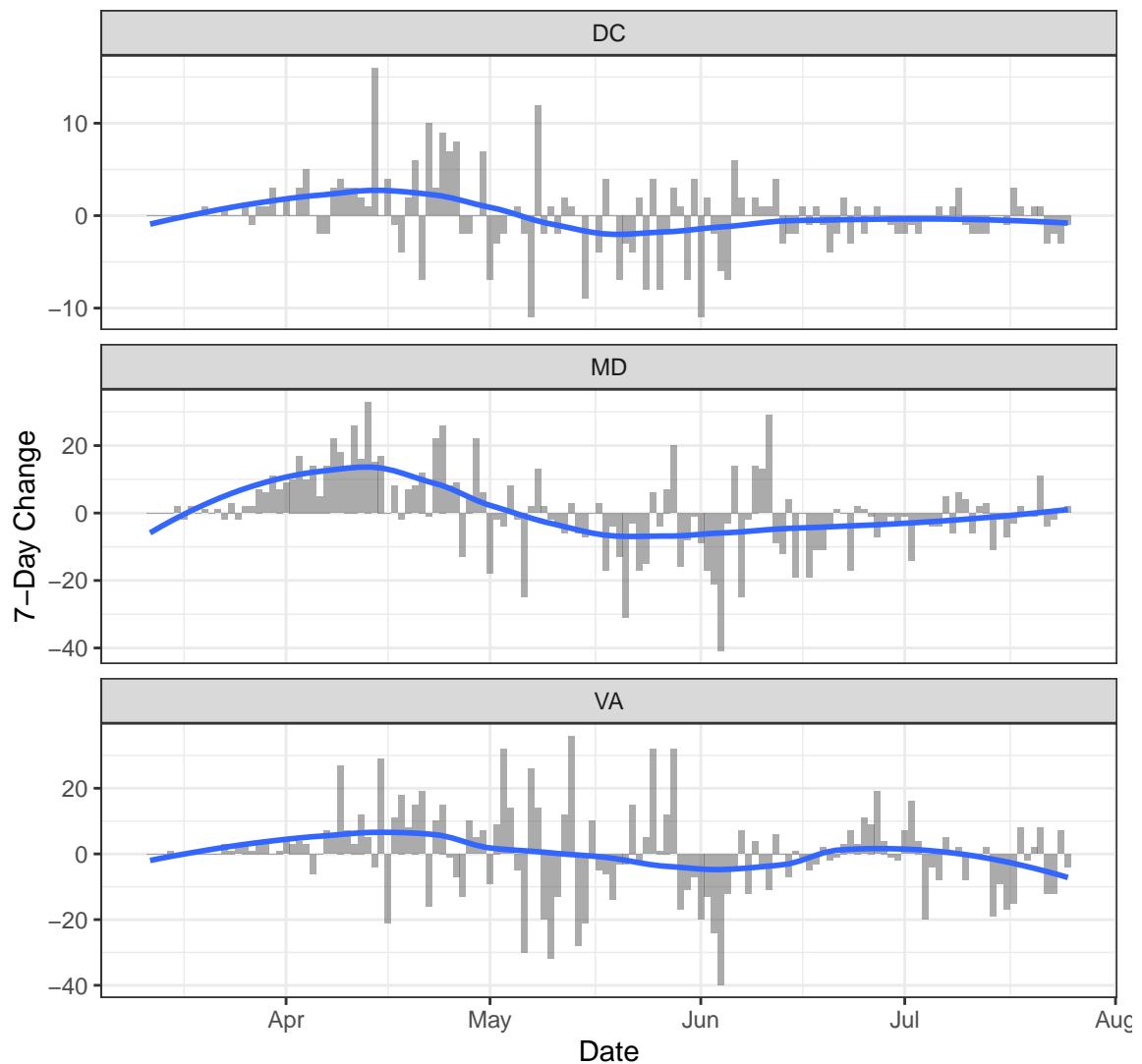
## Deaths

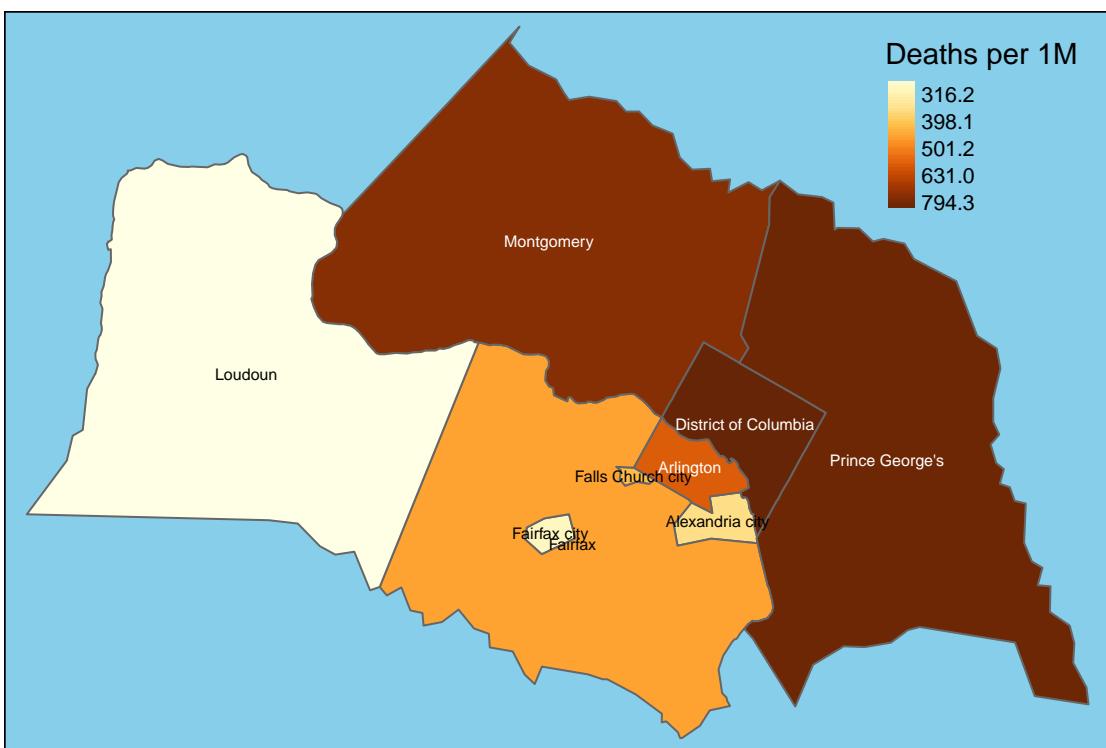
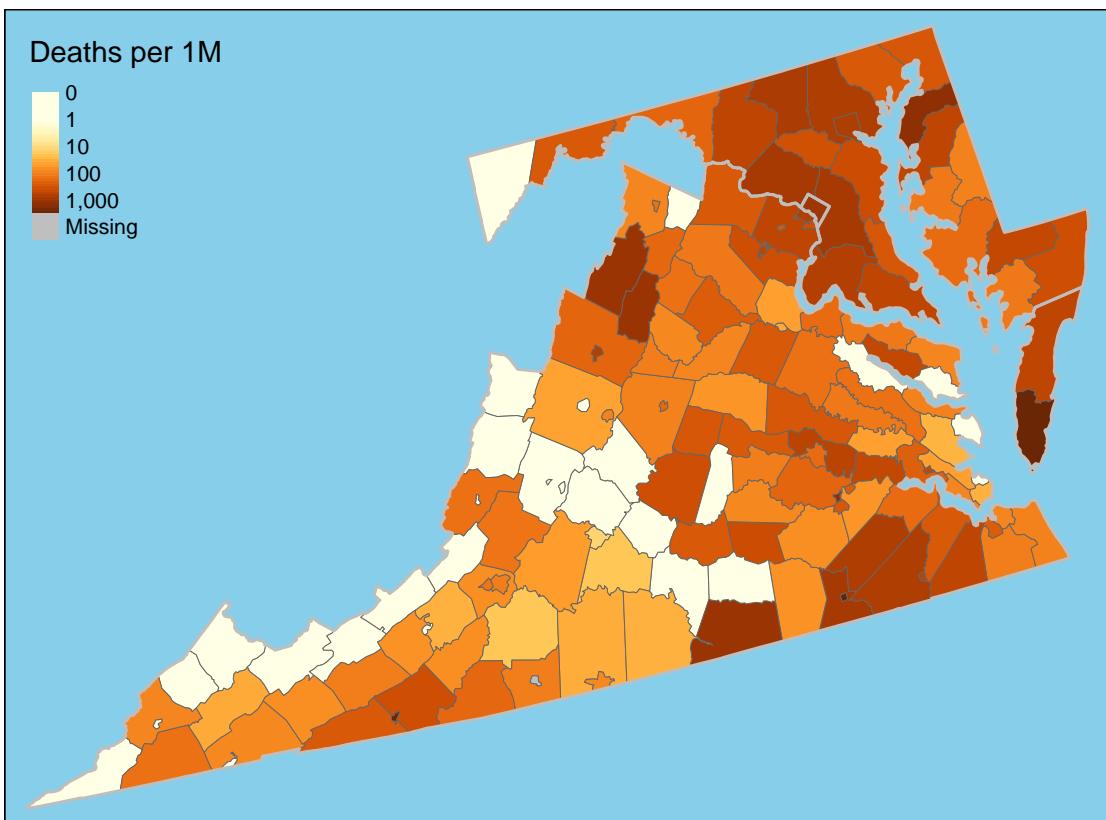


## New Deaths

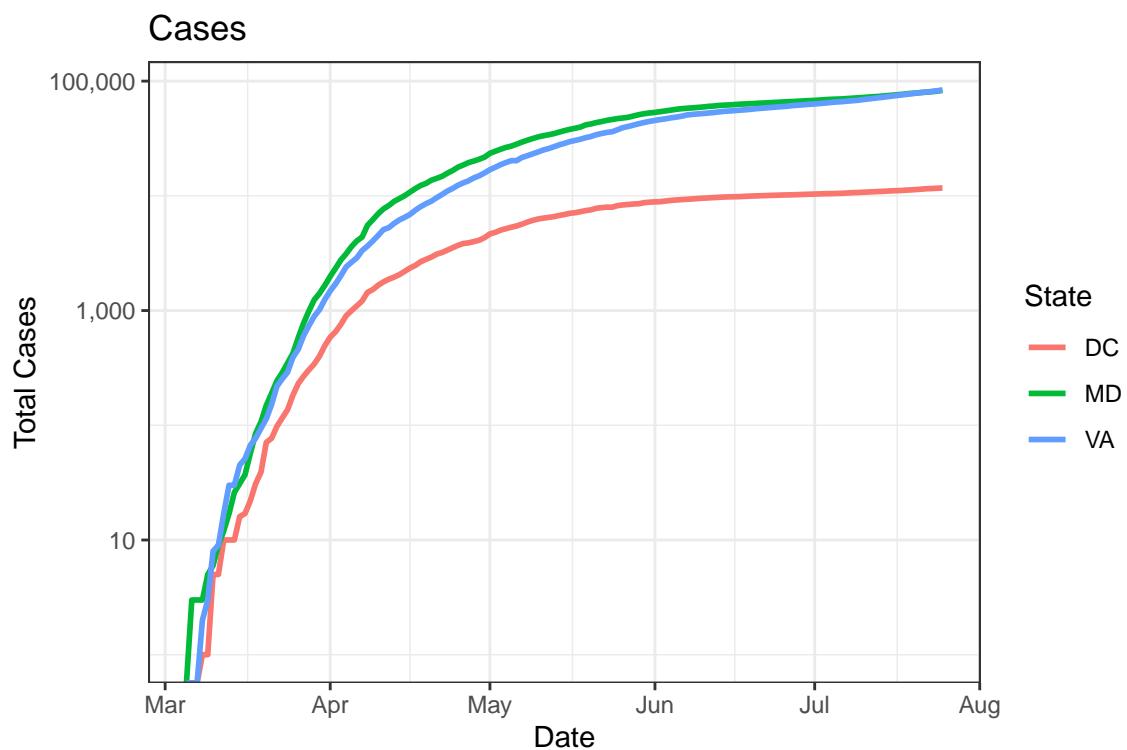


## One-Week Change in Daily Deaths

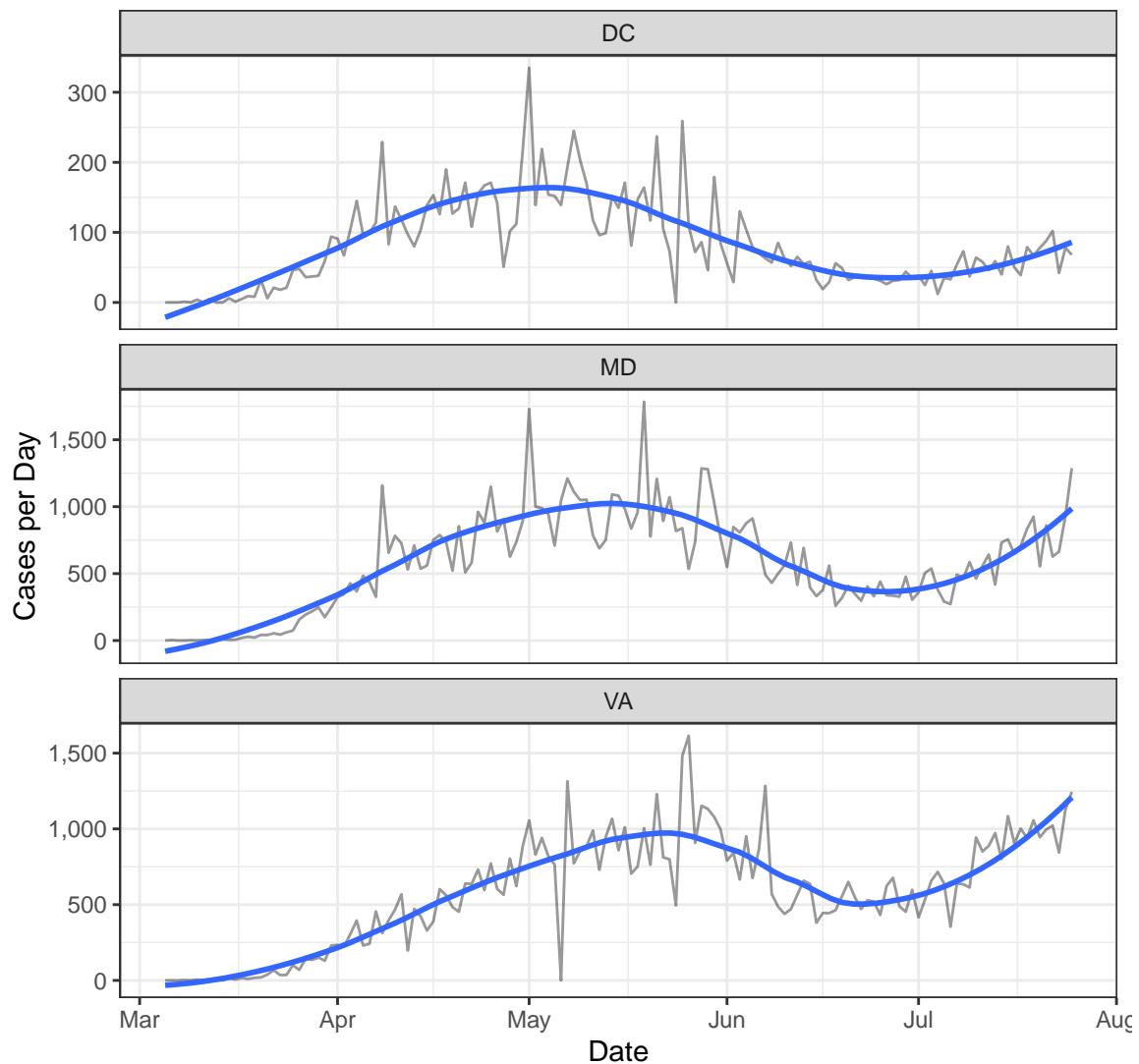




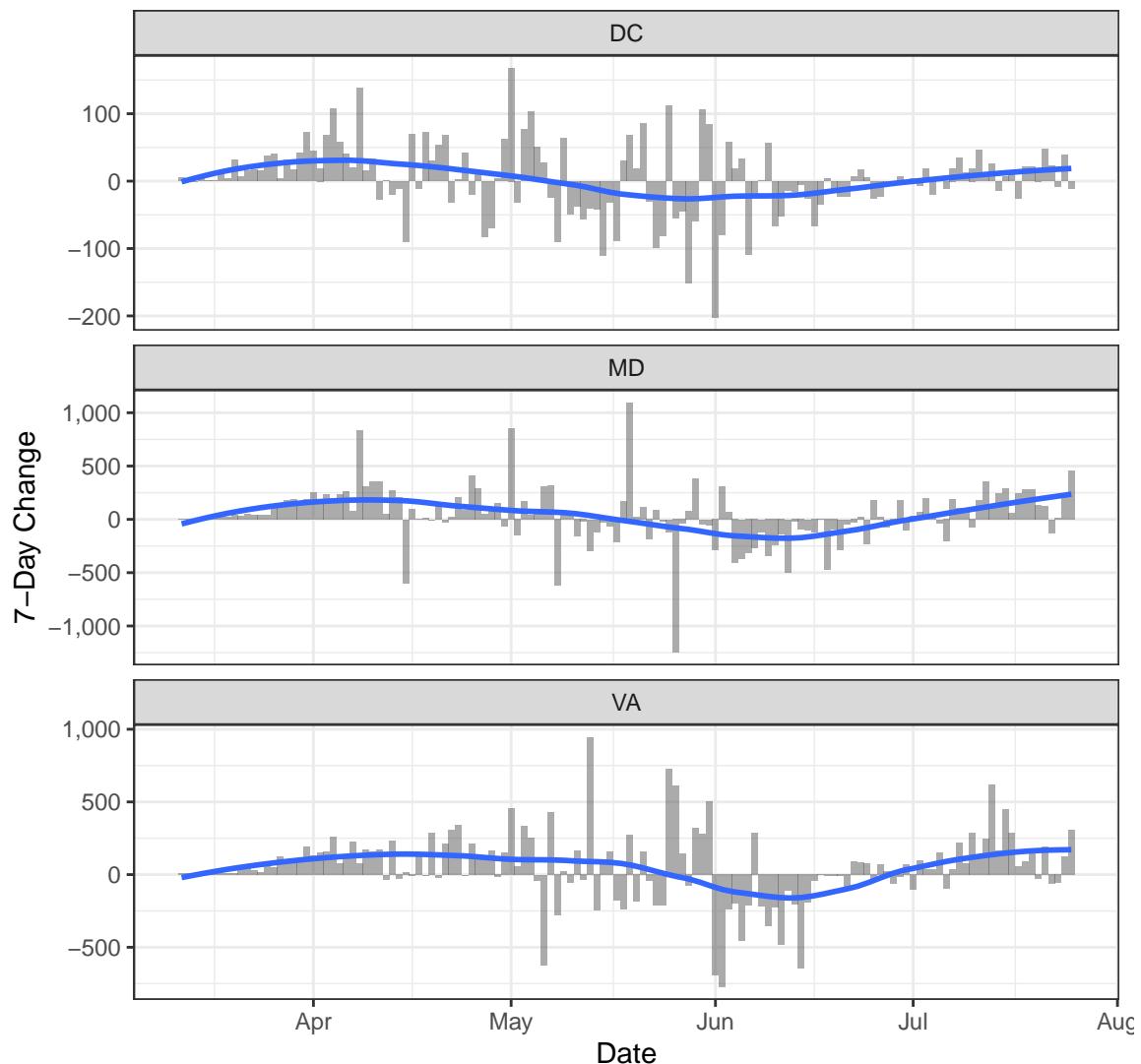
Cases

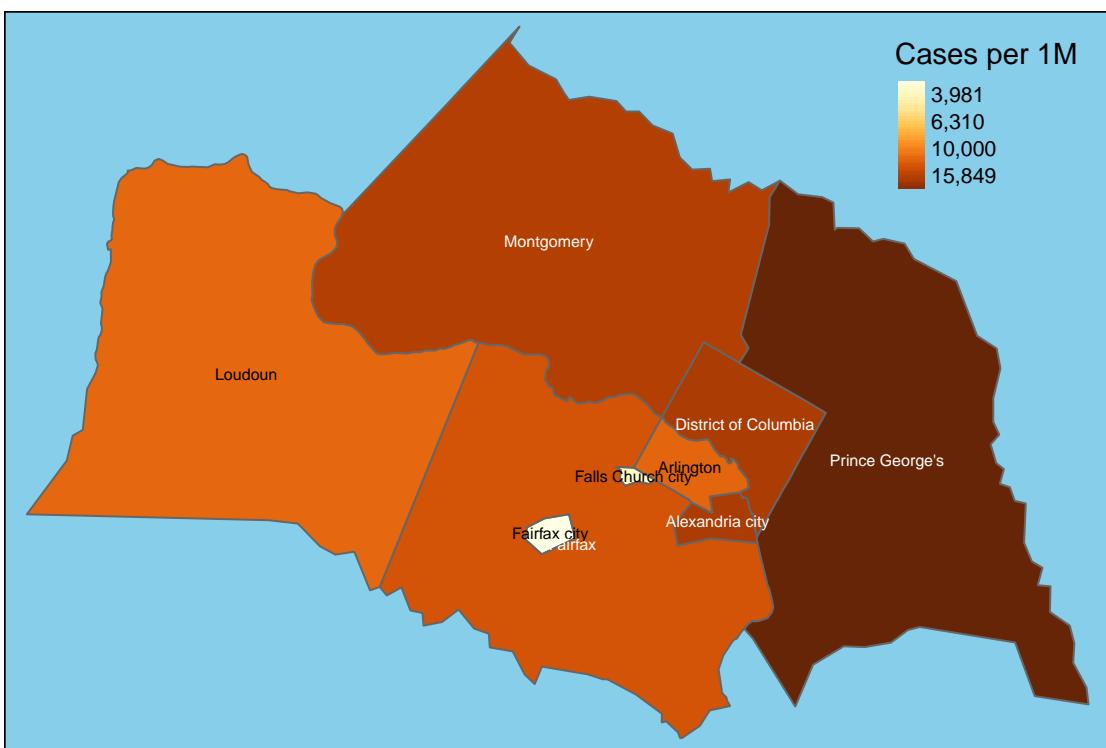
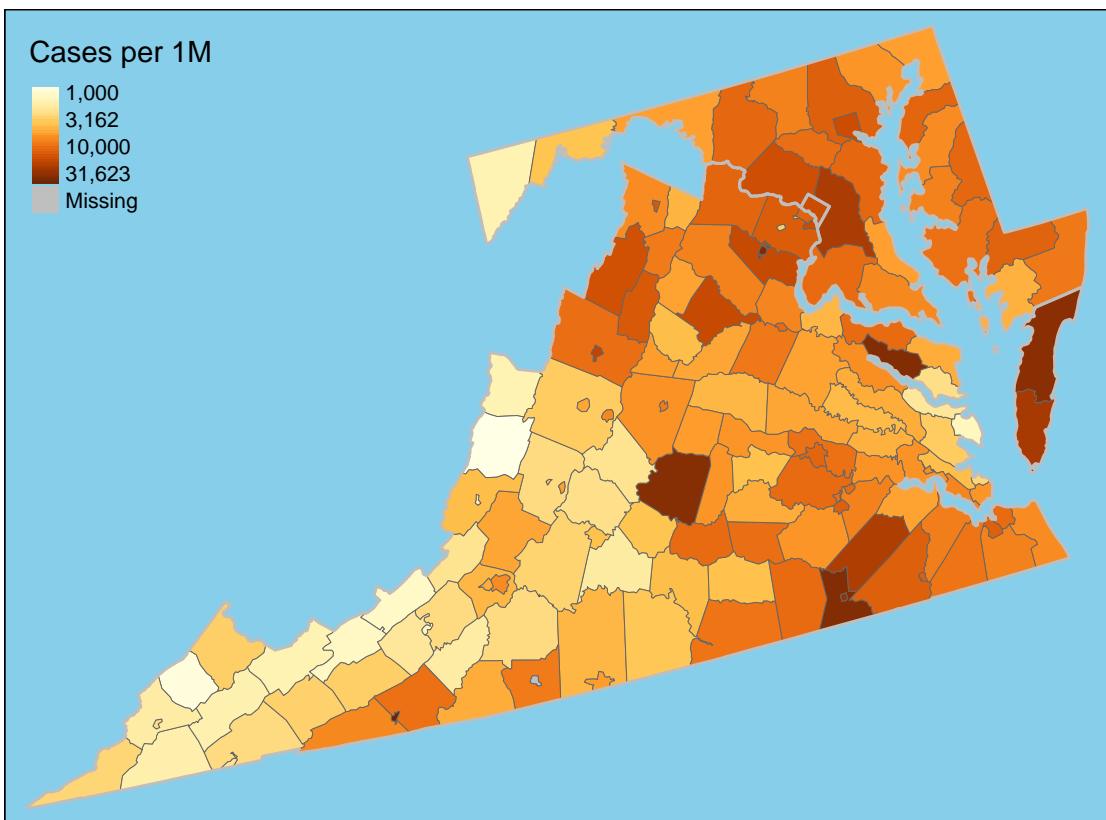


## New Cases

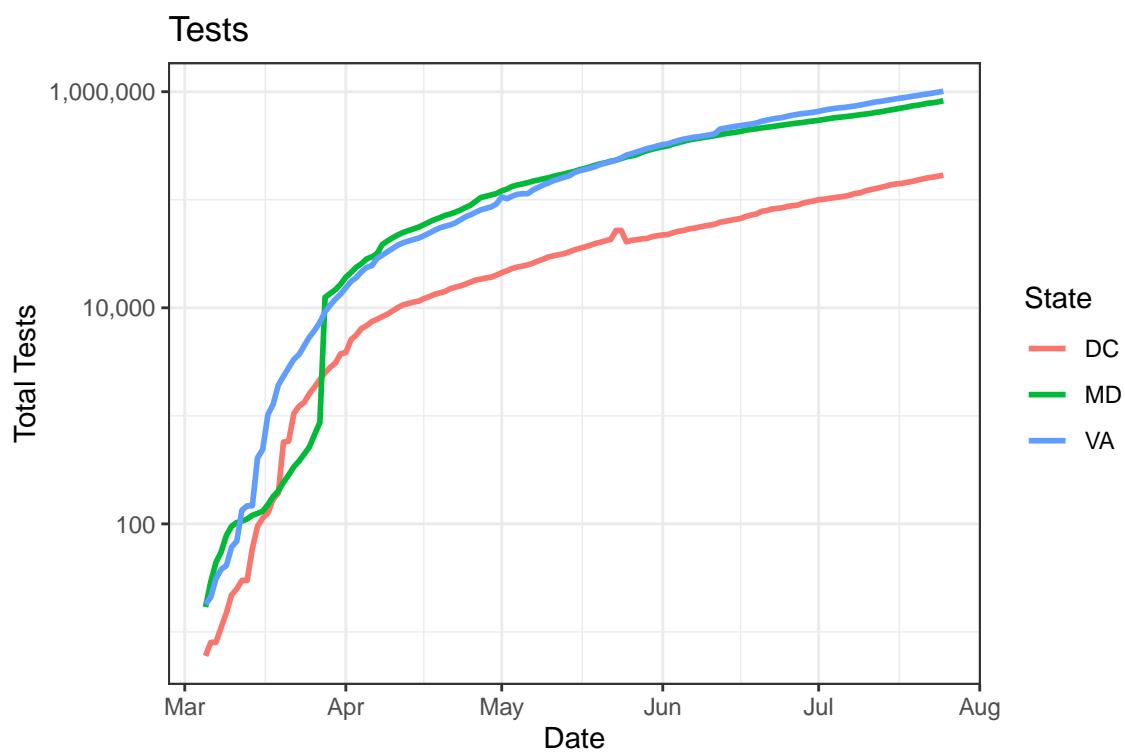


## One-Week Change in Daily Cases

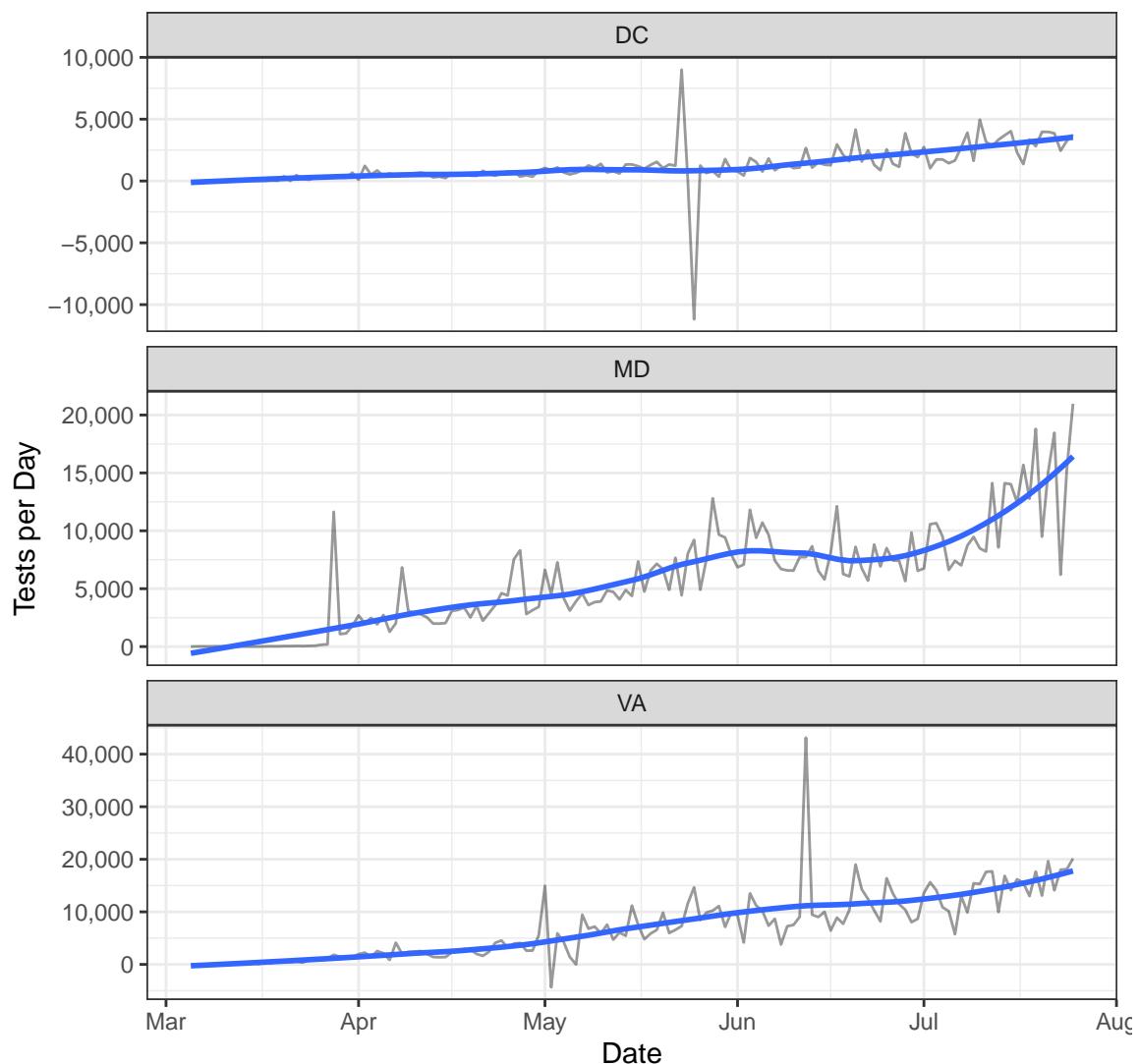




## Testing



## New Tests



## Positive Test Rate

