

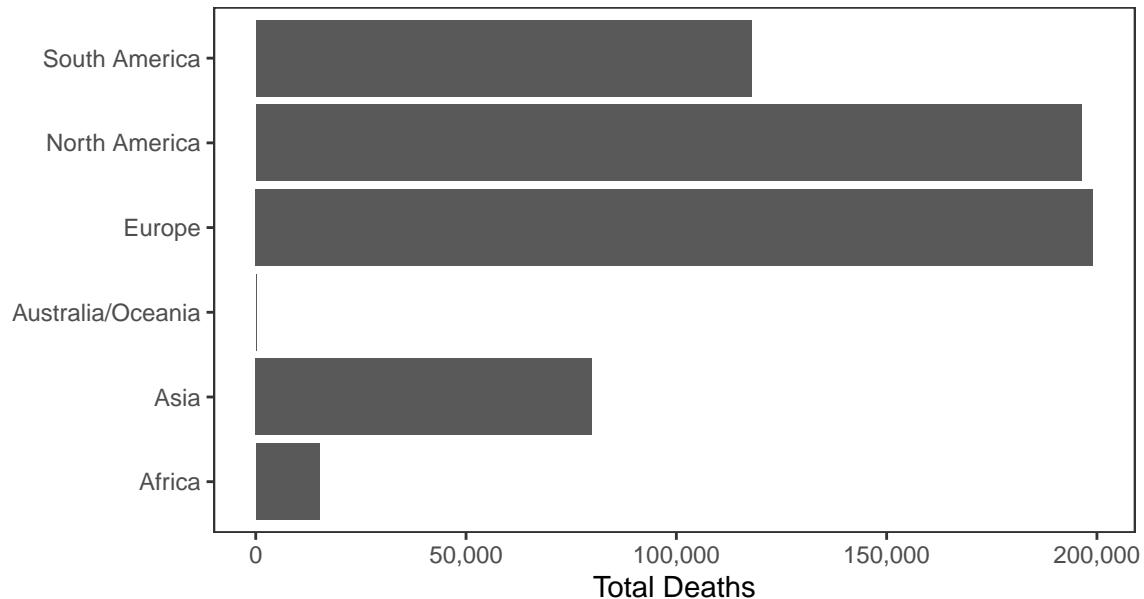
# Erik's Covid-19 Chart Pack

Data updated 2020-07-20 18:59:14. 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 14,640,336 confirmed Covid-19 cases and 608,586 deaths worldwide.

**Deaths**



**Cases**

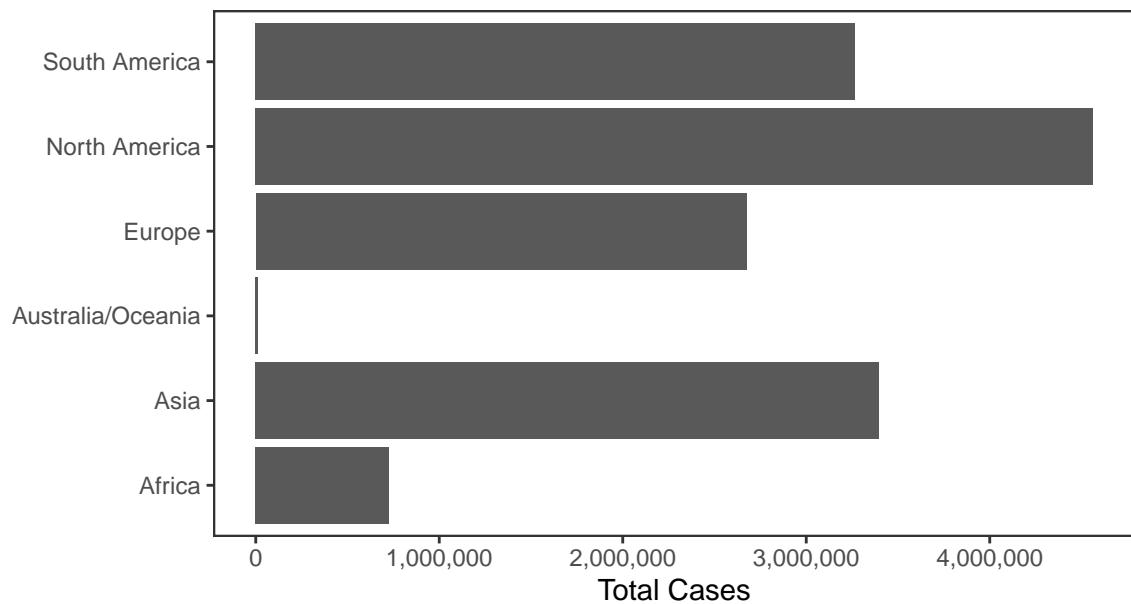
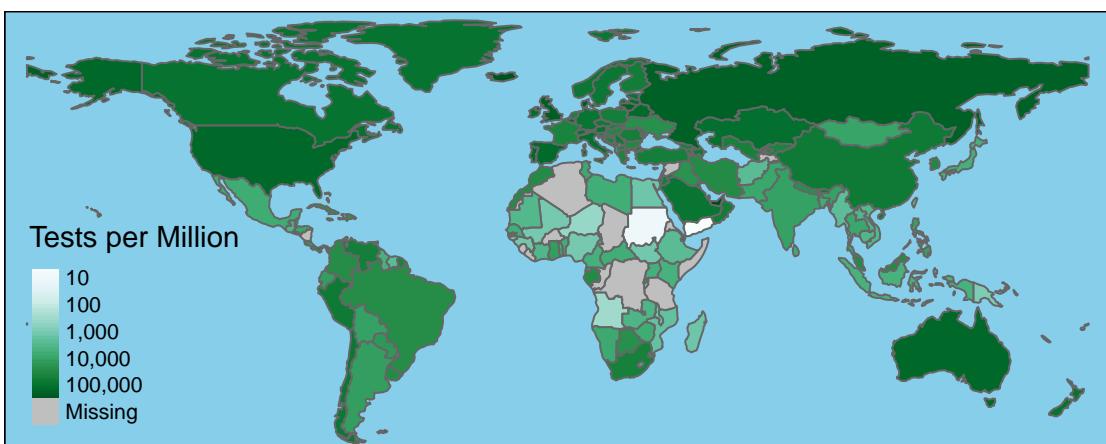
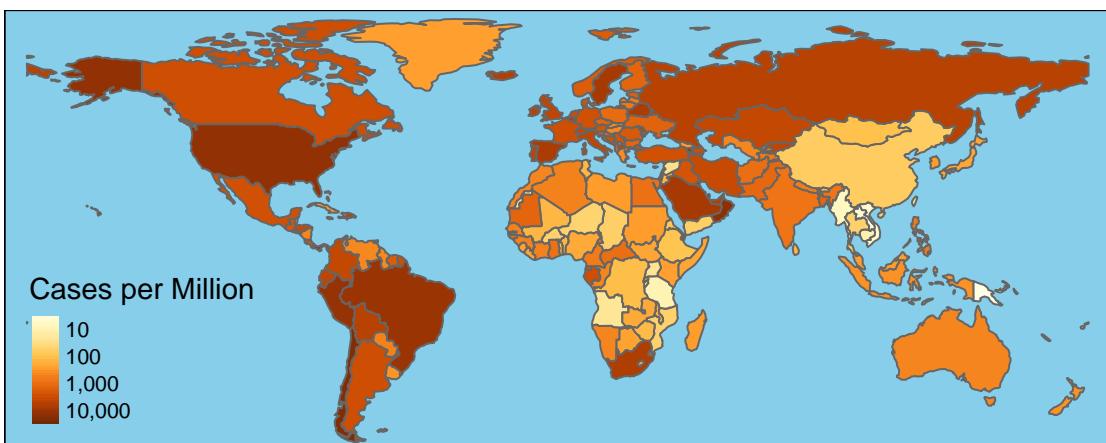
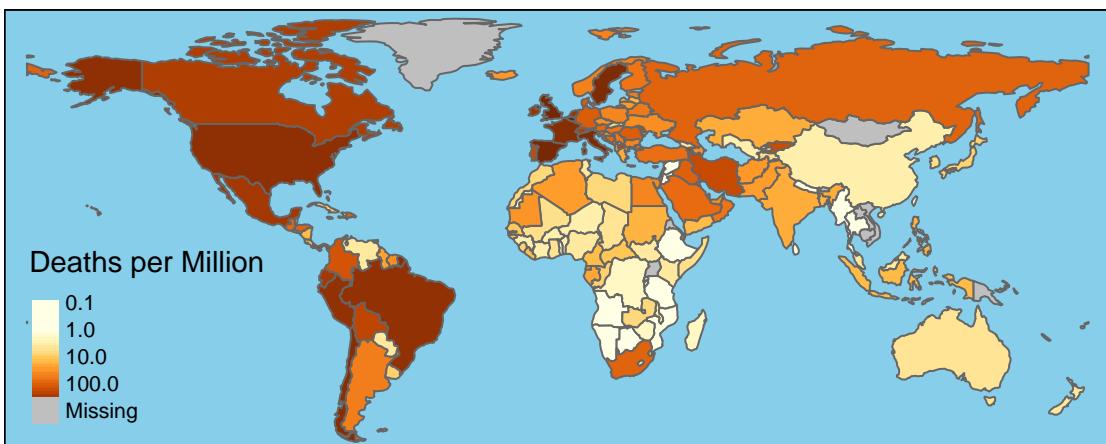


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,898,550	143,289	65,279	412
Brazil	2,099,896	79,533	24,650	716
India	1,118,107	27,503	40,243	675
Russia	771,546	12,342	6,109	95
South Africa	364,328	5,033	13,449	85
Peru	353,590	13,187	4,090	189
Mexico	338,913	38,888	7,615	578
Chile	330,930	8,503	2,084	58
Spain	310,389	28,420	1,527	0
UK	294,792	45,300	726	27
Iran	273,788	14,188	2,182	209
Pakistan	263,496	5,568	1,580	46
Saudi Arabia	250,920	2,486	2,504	39
Italy	244,434	35,045	218	3
Turkey	219,641	5,491	924	16
Bangladesh	204,525	2,618	2,459	37
Germany	202,845	9,163	273	1
Colombia	197,278	6,736	6,578	220
France	176,404	30,169	865	8
Argentina	126,755	2,260	4,231	40



## National Data

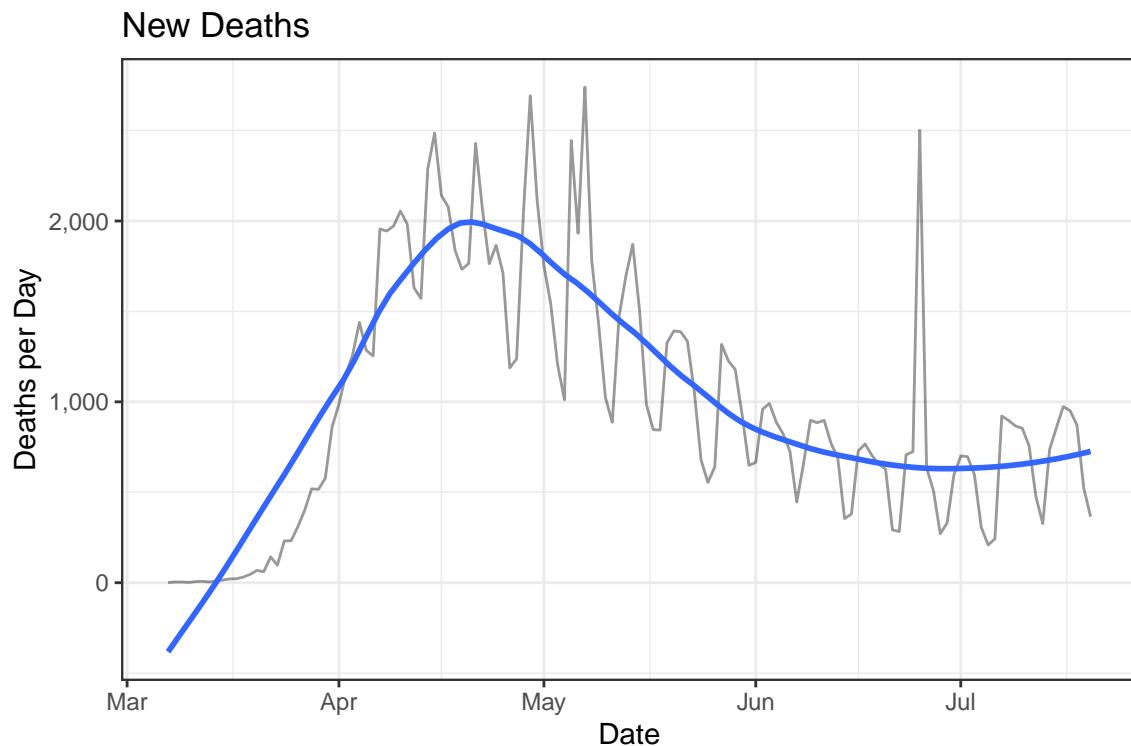
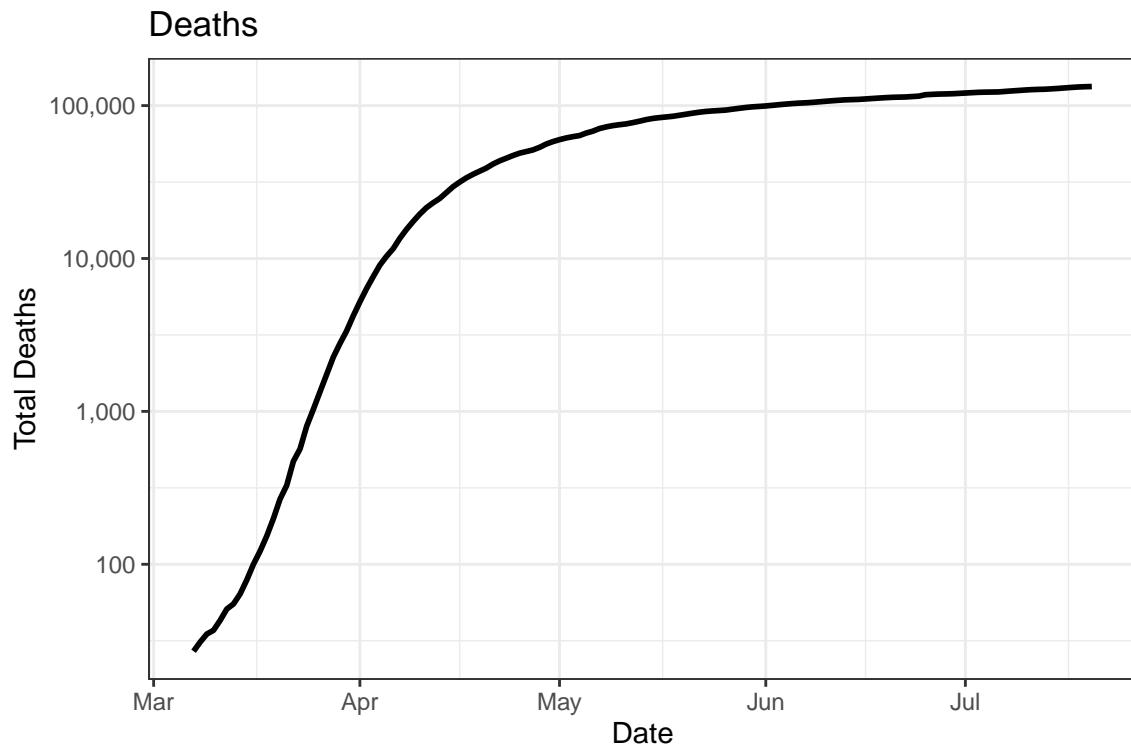
There have been 3,813,916 confirmed Covid-19 cases and 133,283 deaths in the United States.

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

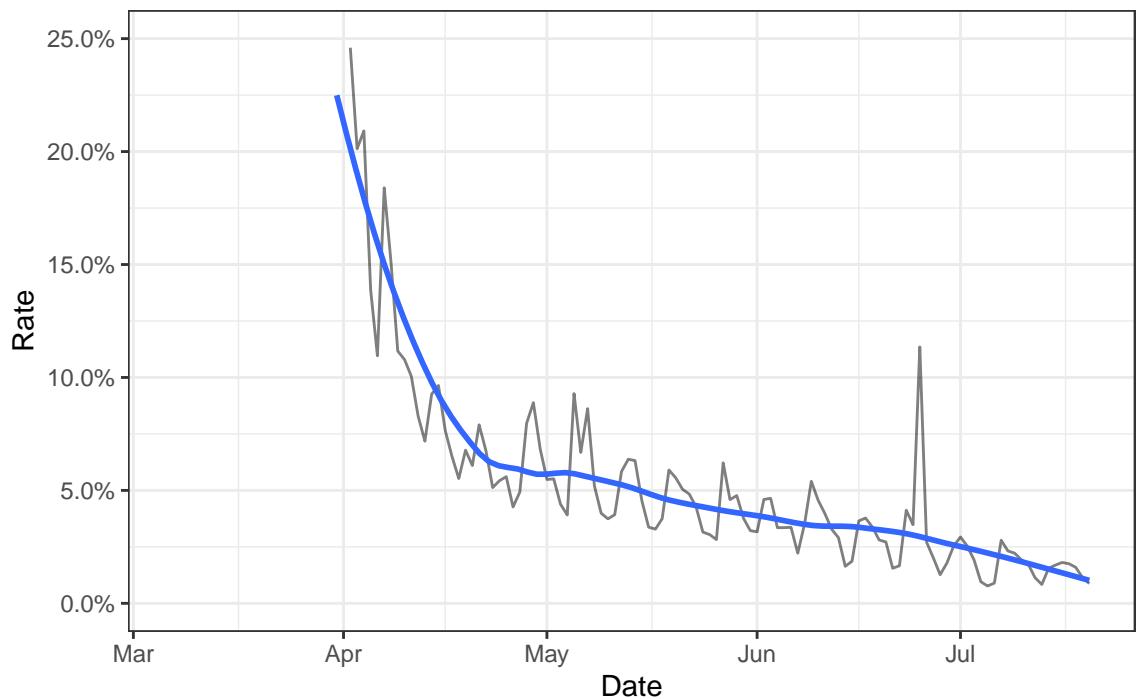
Date	Cases	Deaths	New Cases	New Deaths
2020-07-20	3,813,916	133,283	57,948	365
2020-07-19	3,755,968	132,918	63,907	523
2020-07-18	3,692,061	132,395	65,180	872
2020-07-17	3,626,881	131,523	77,233	951
2020-07-16	3,549,648	130,572	70,953	974
2020-07-15	3,478,695	129,598	65,382	858
2020-07-14	3,413,313	128,740	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
2020-07-11	3,230,991	127,201	63,007	757
2020-07-10	3,167,984	126,444	66,645	854
2020-07-09	3,101,339	125,590	58,836	867
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922

## Deaths

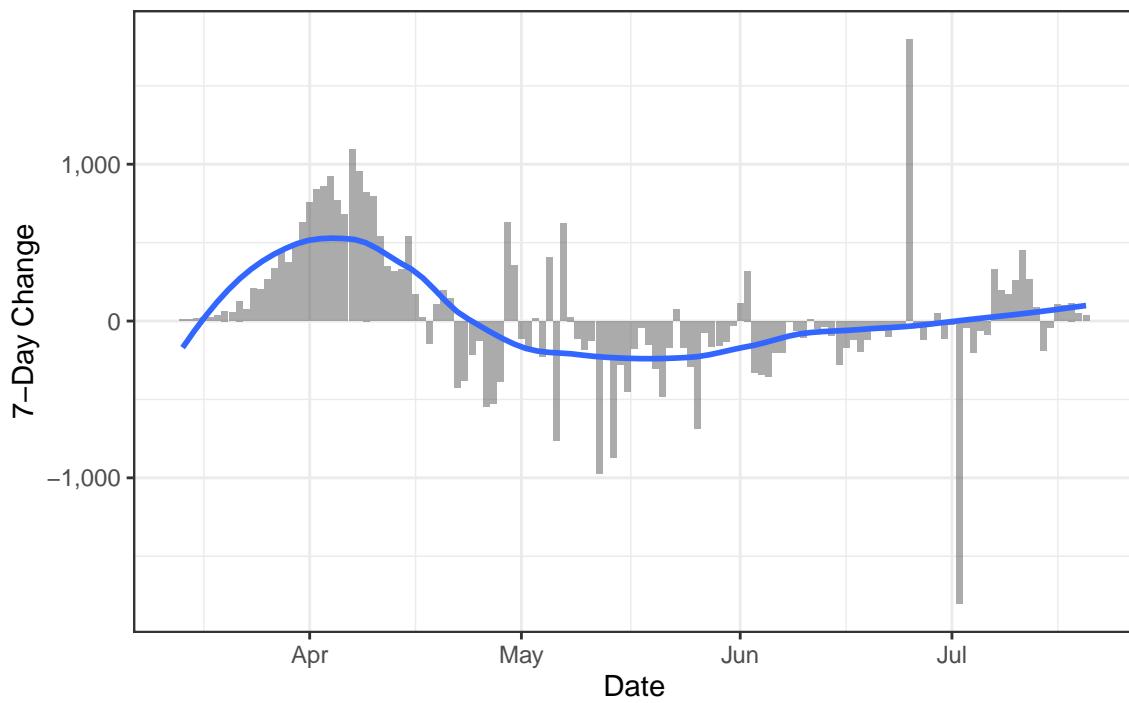
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

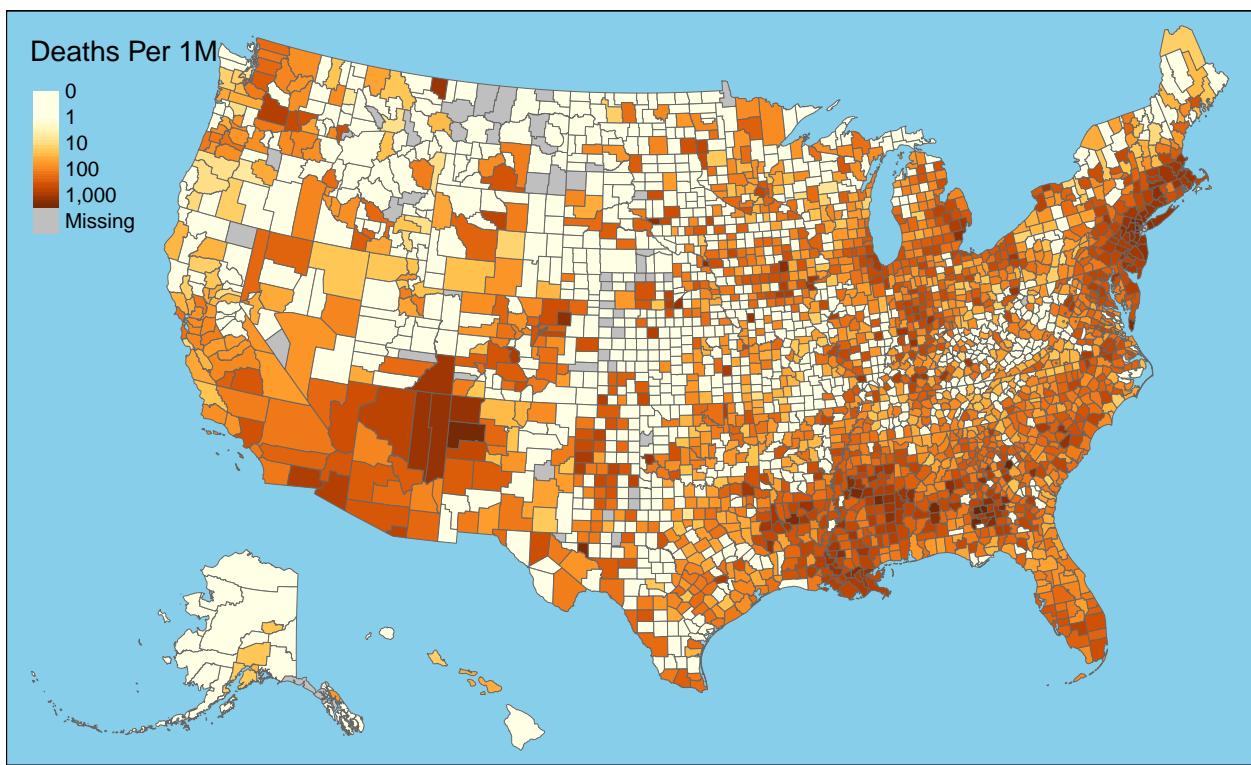


Daily Case Mortality Rate



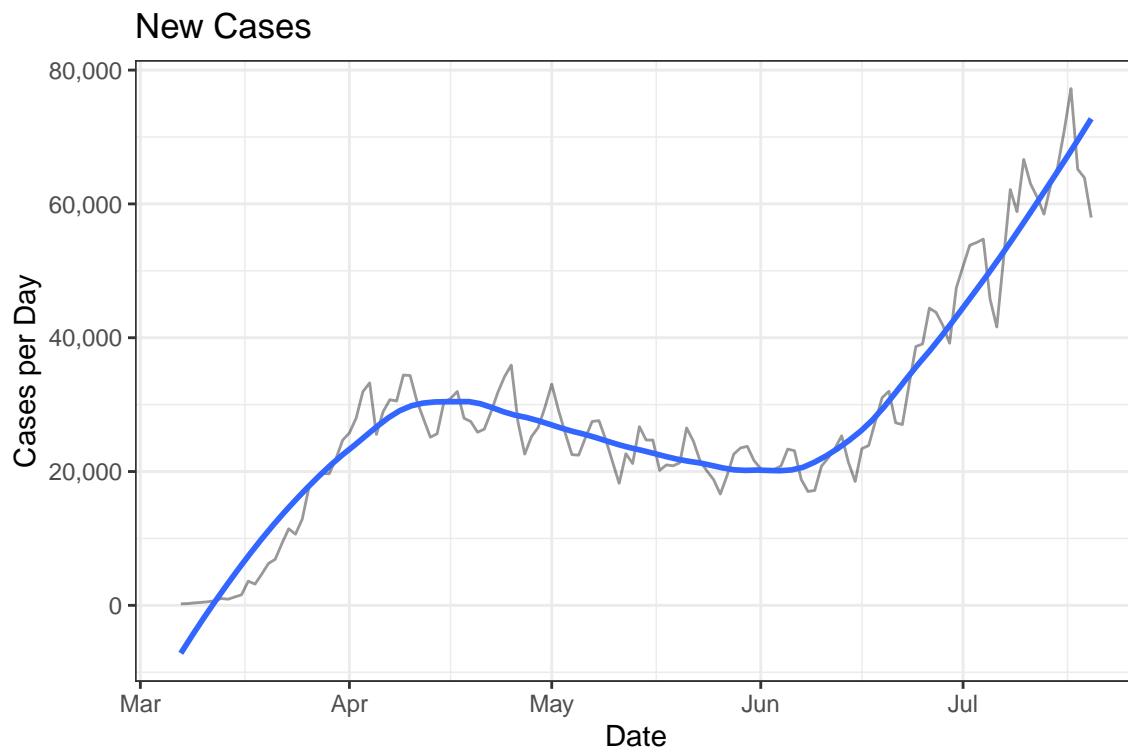
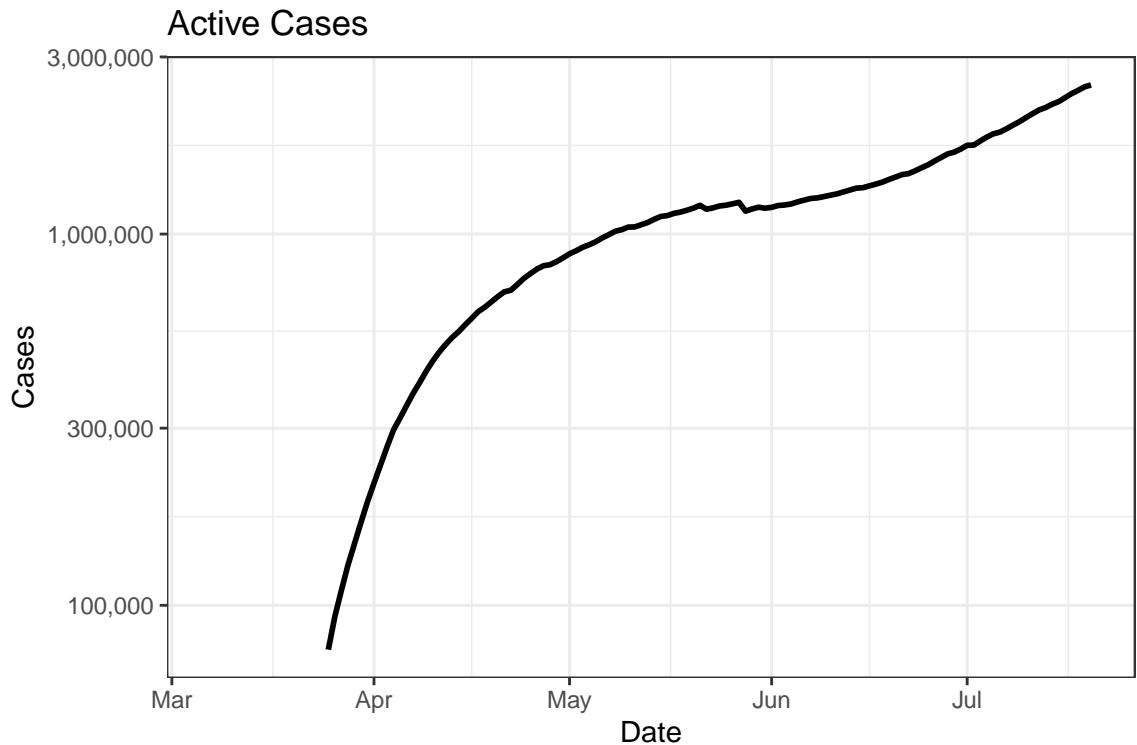
One-Week Change in Daily Deaths



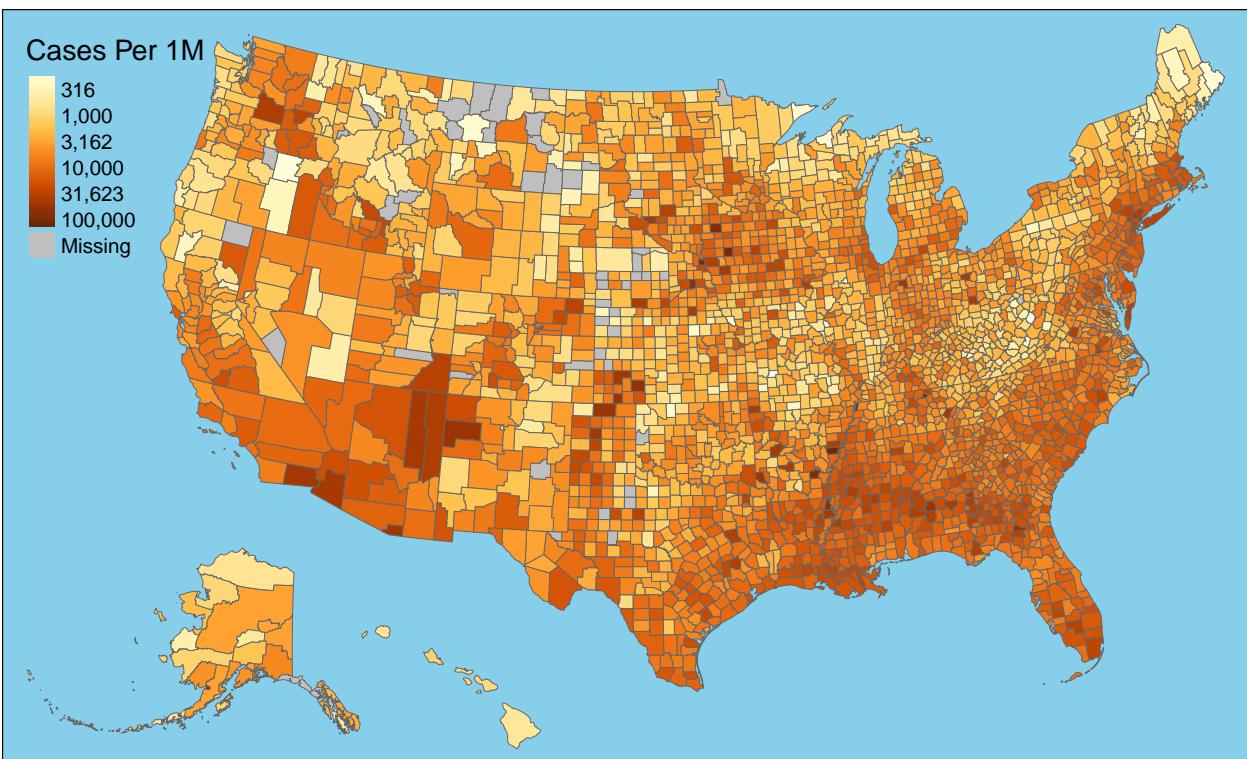
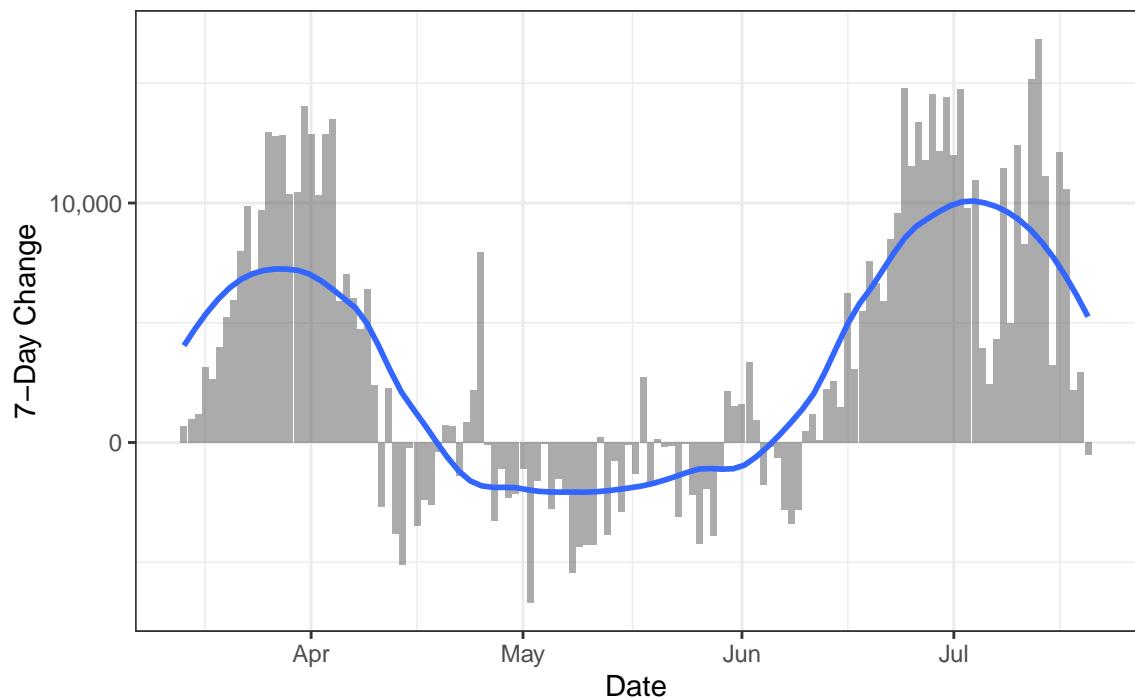


## Cases

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



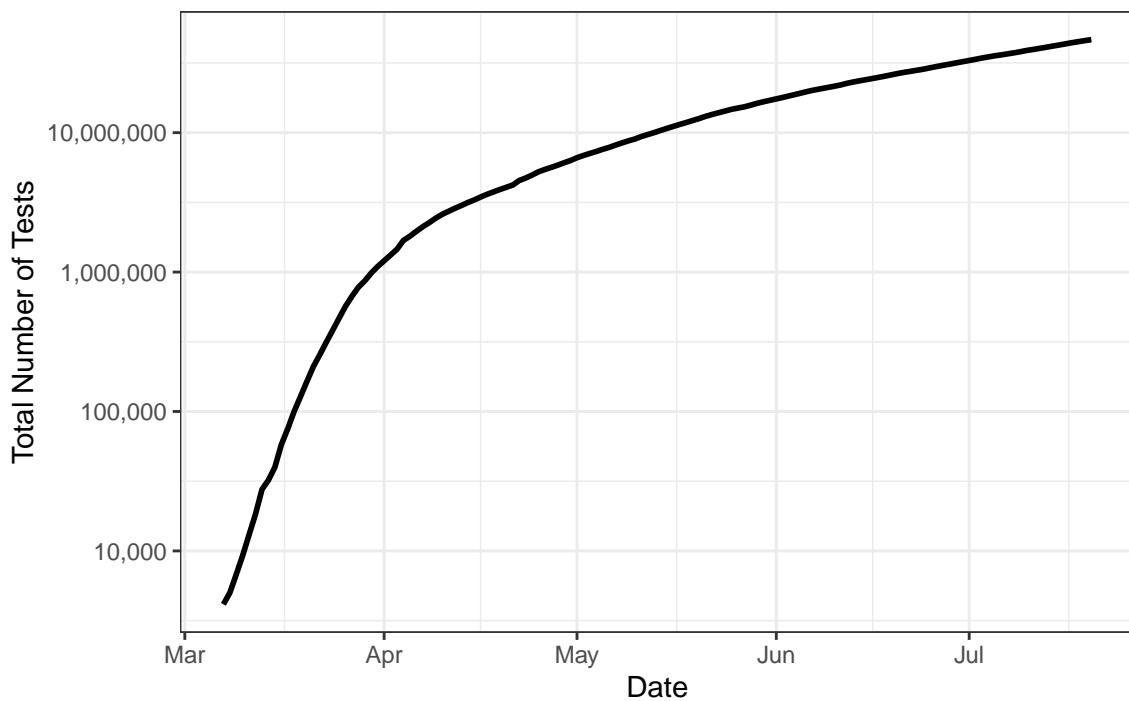
## One-Week Change in Daily Cases



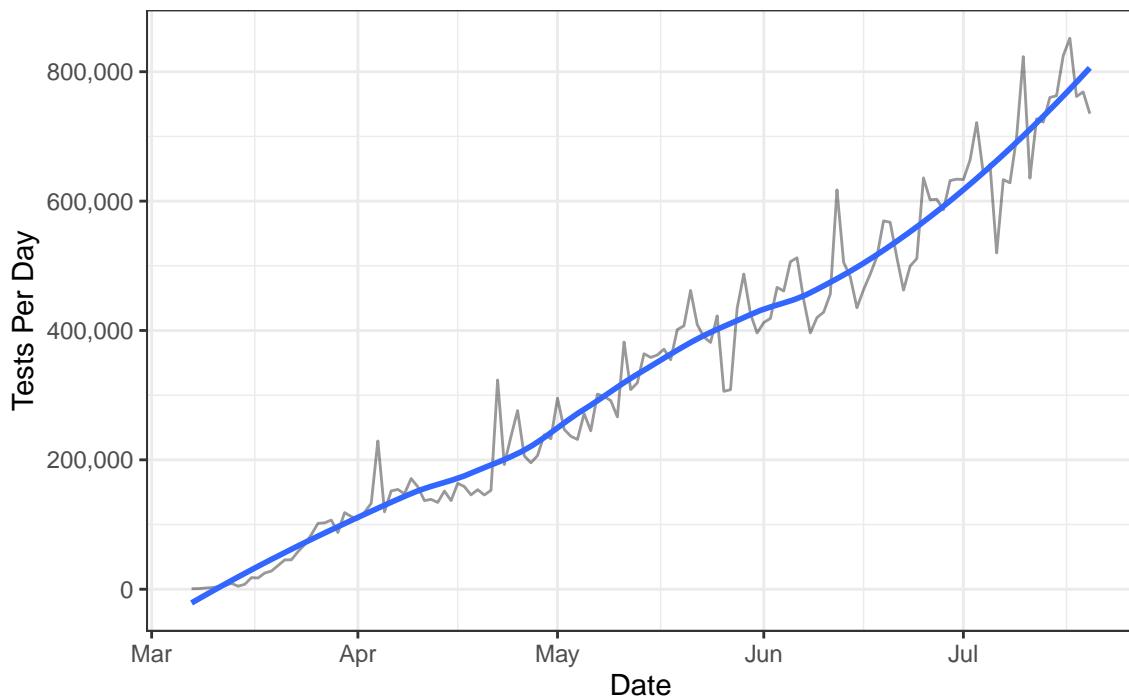
## Testing

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.

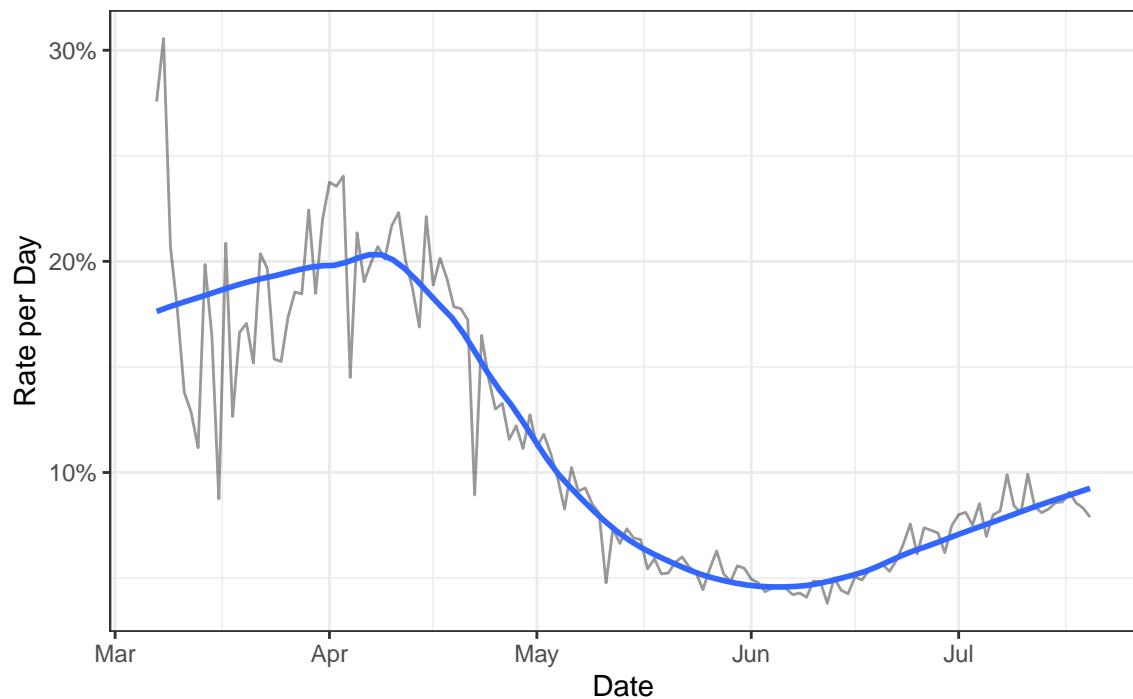
Tests



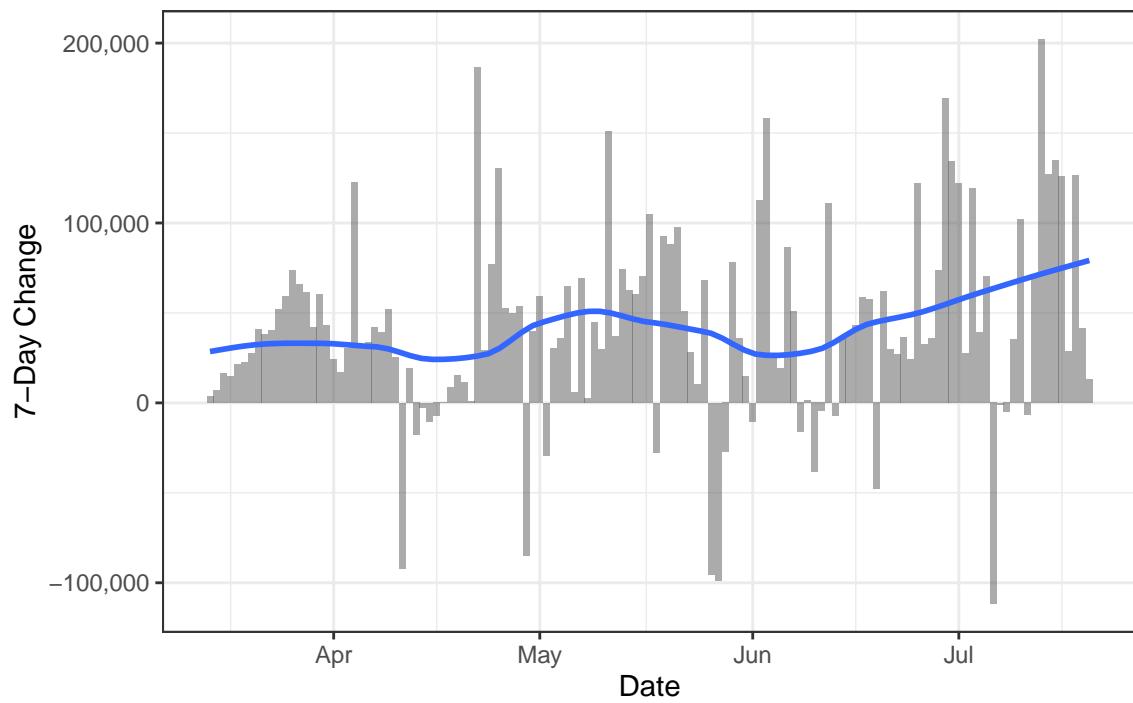
New Tests



### Positive Test Rate



### One-Week Change in Daily Tests

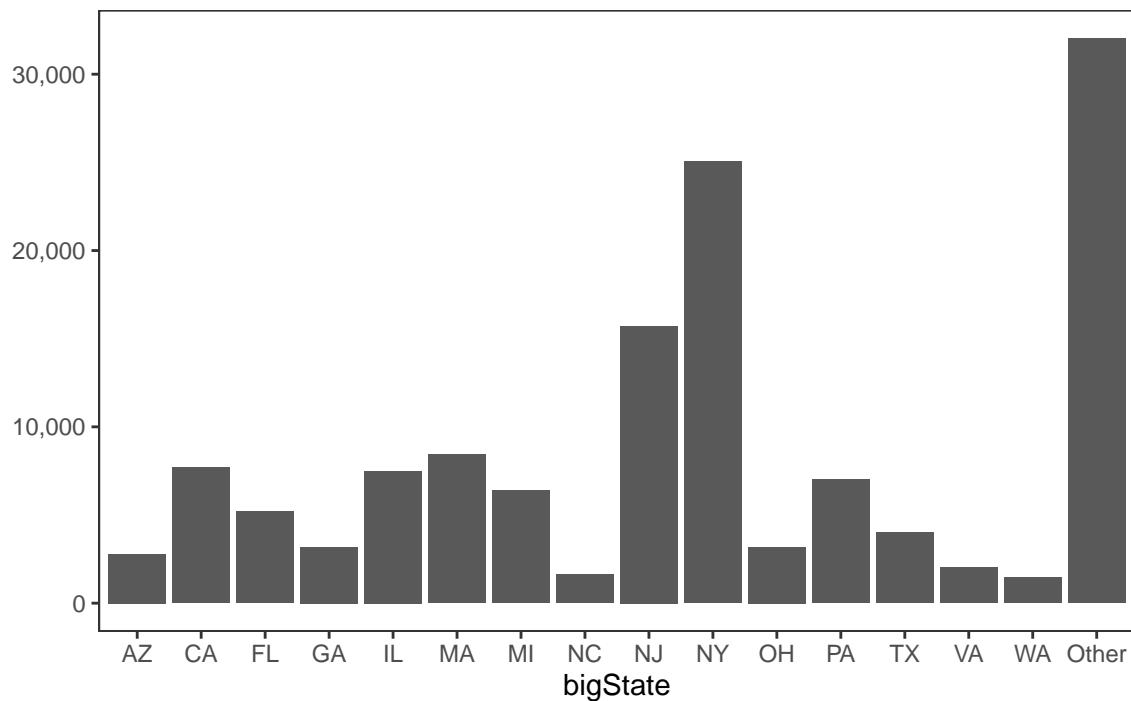


## State Data

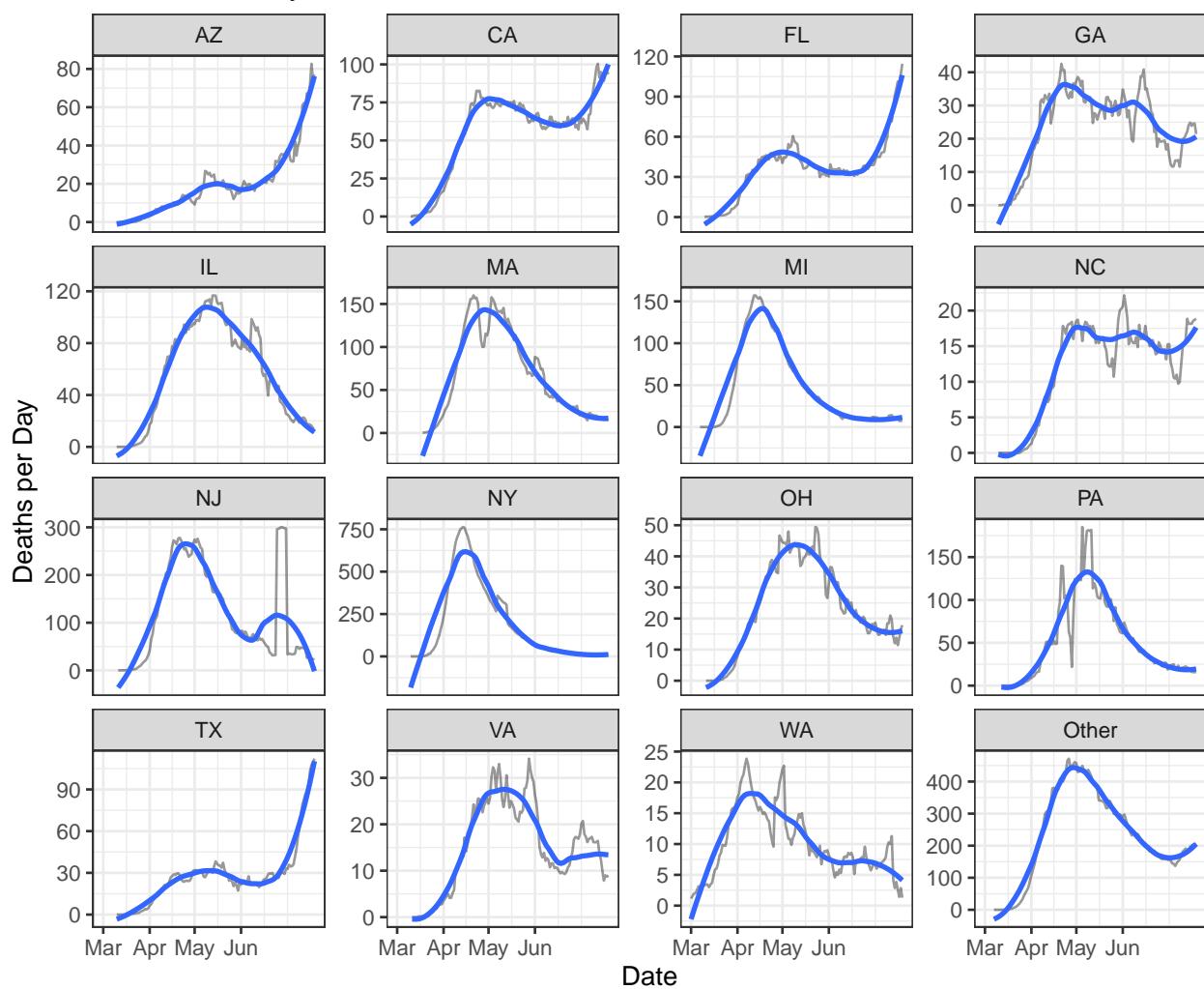
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

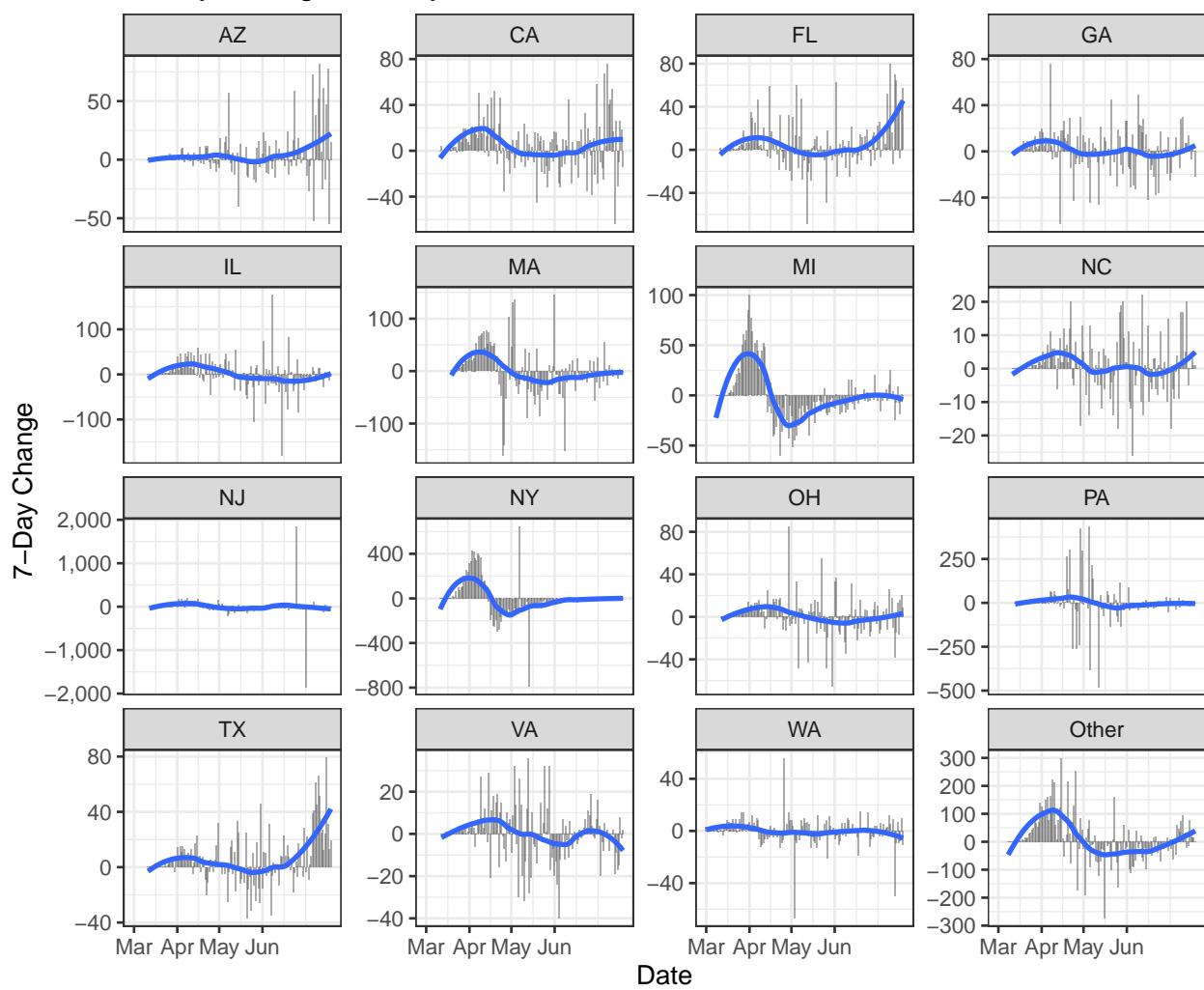
Deaths by State

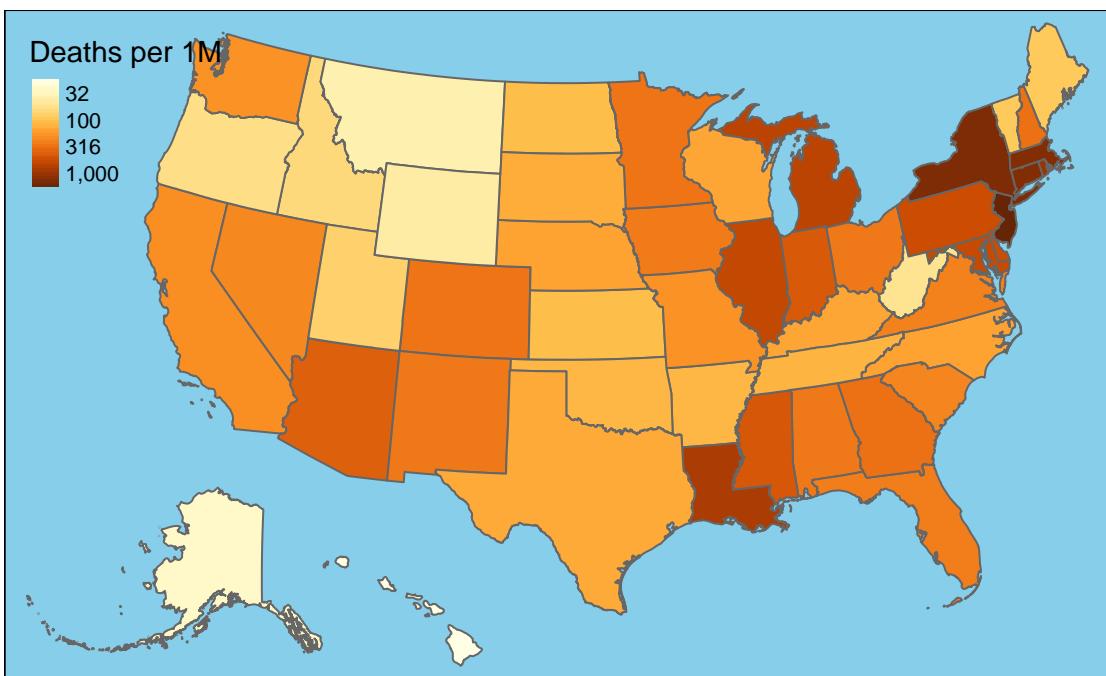
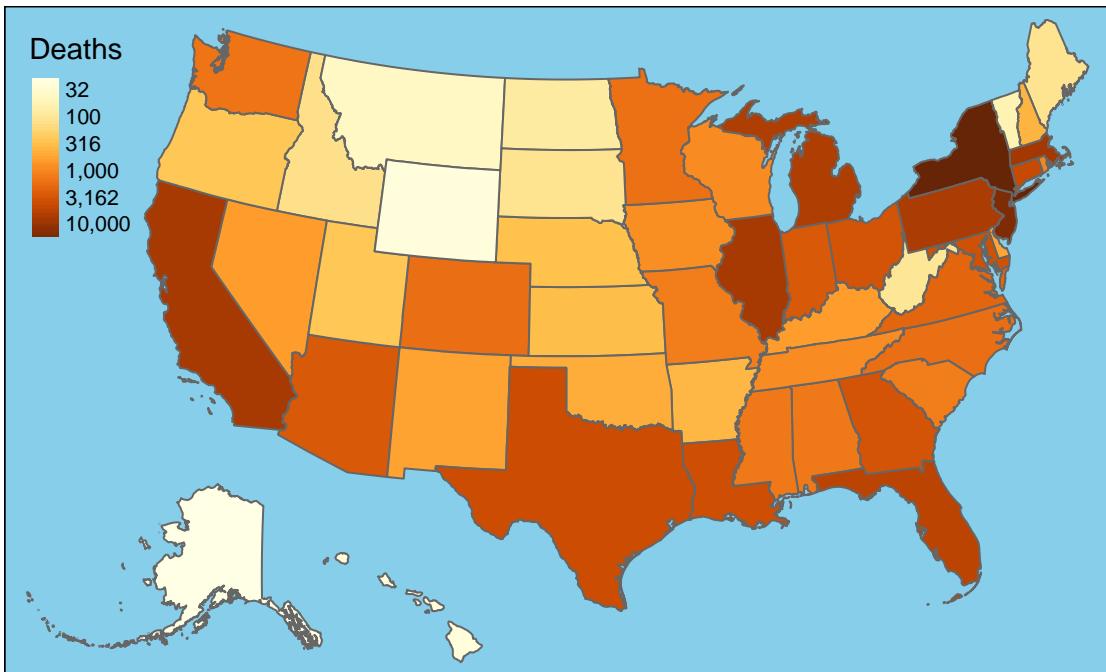


## New Deaths by State



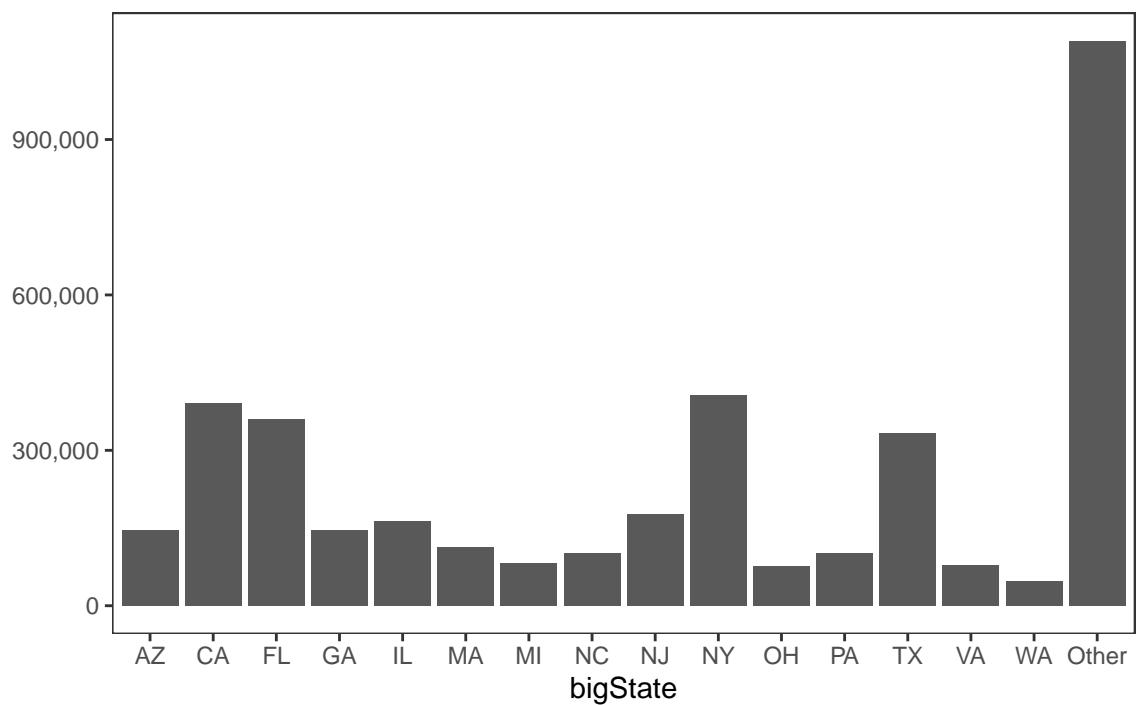
### 7-Day Change in Daily Deaths



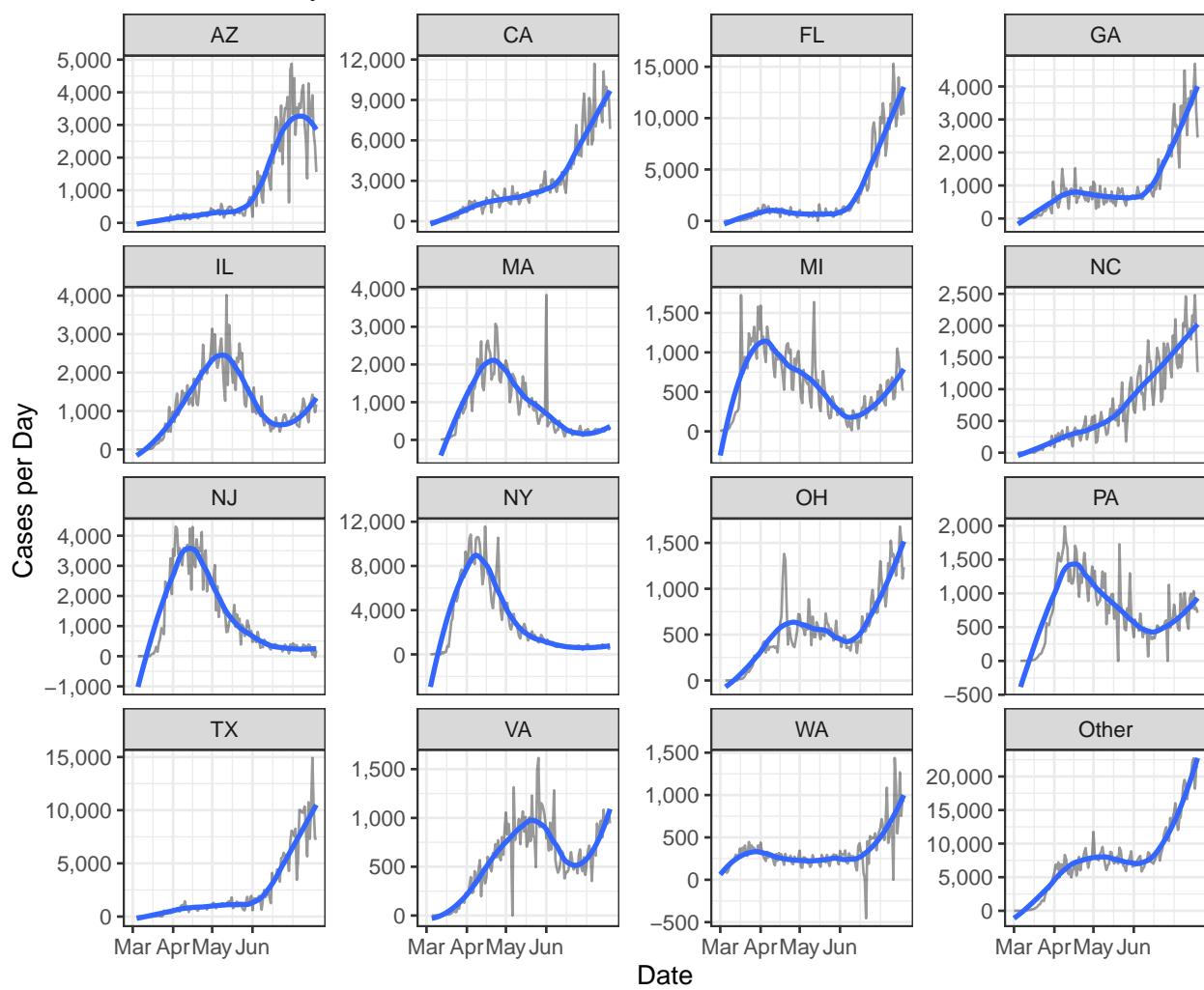


Cases

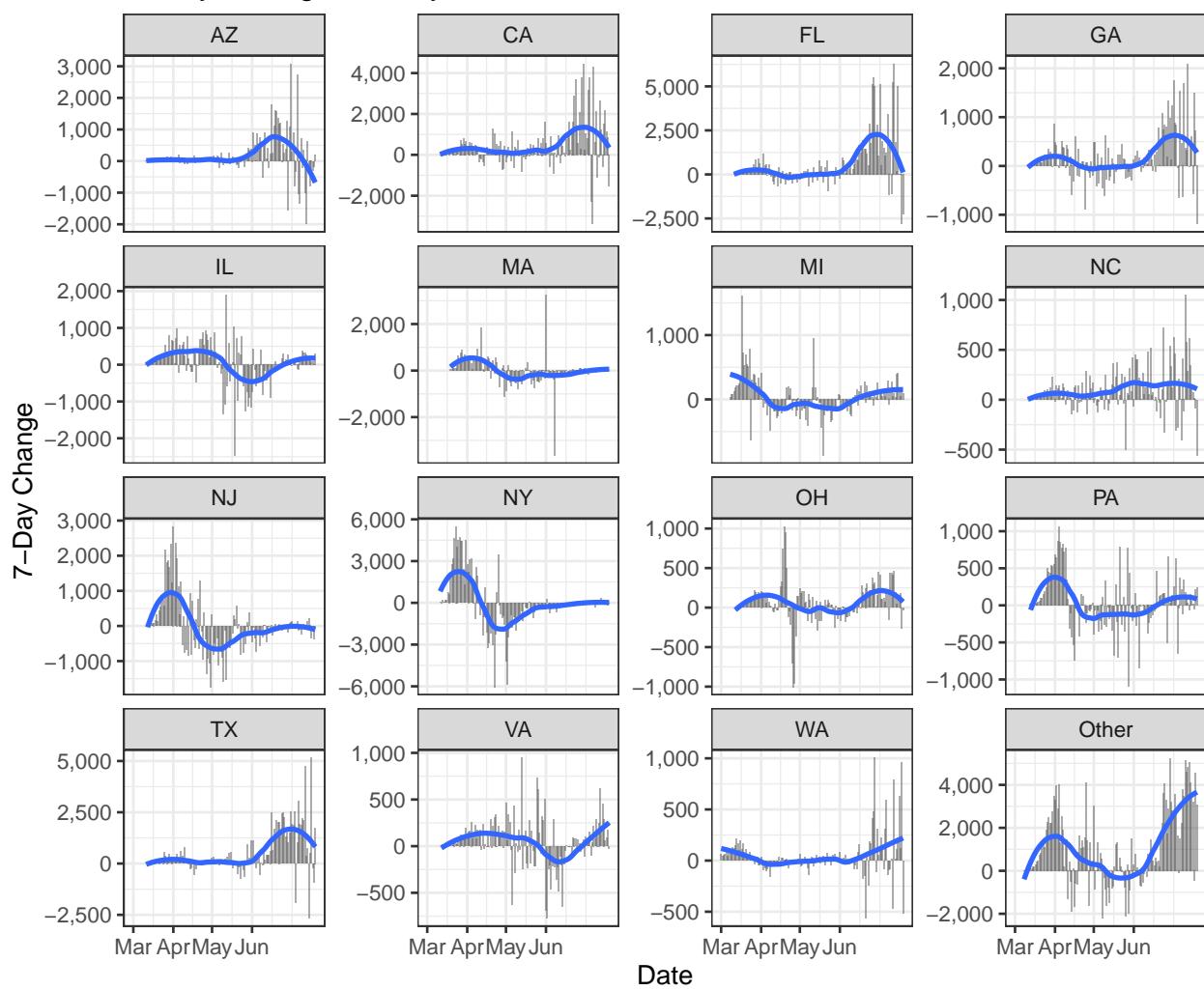
### Cases by State

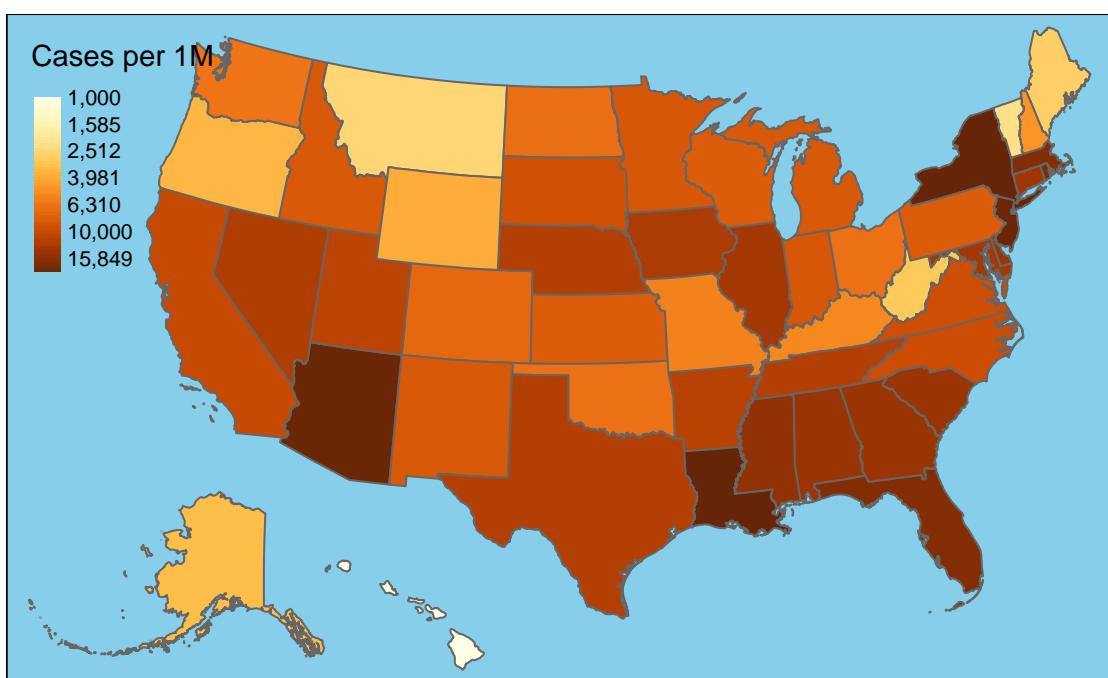
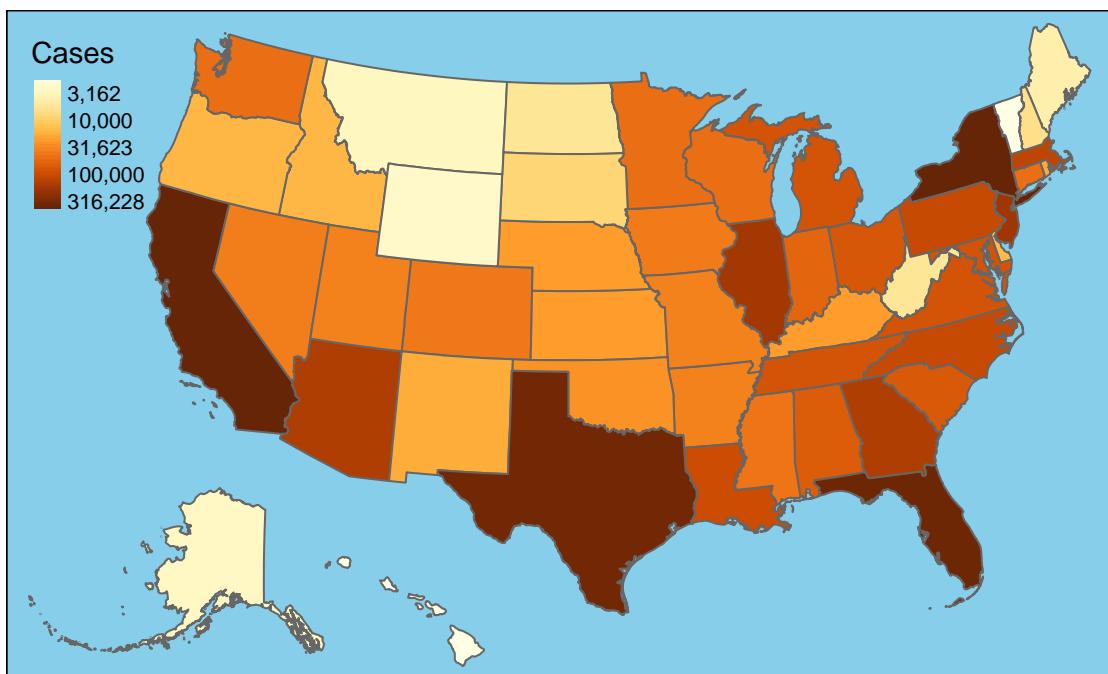


## New Cases by State

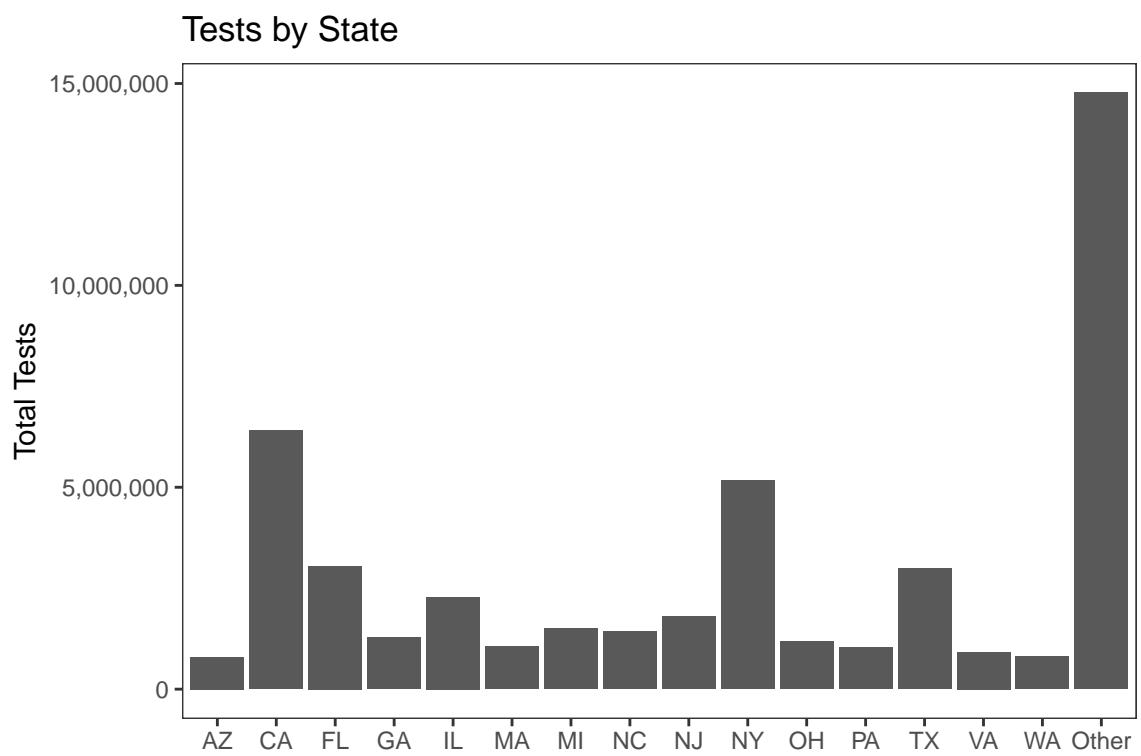


### 7-Day Change in Daily Cases

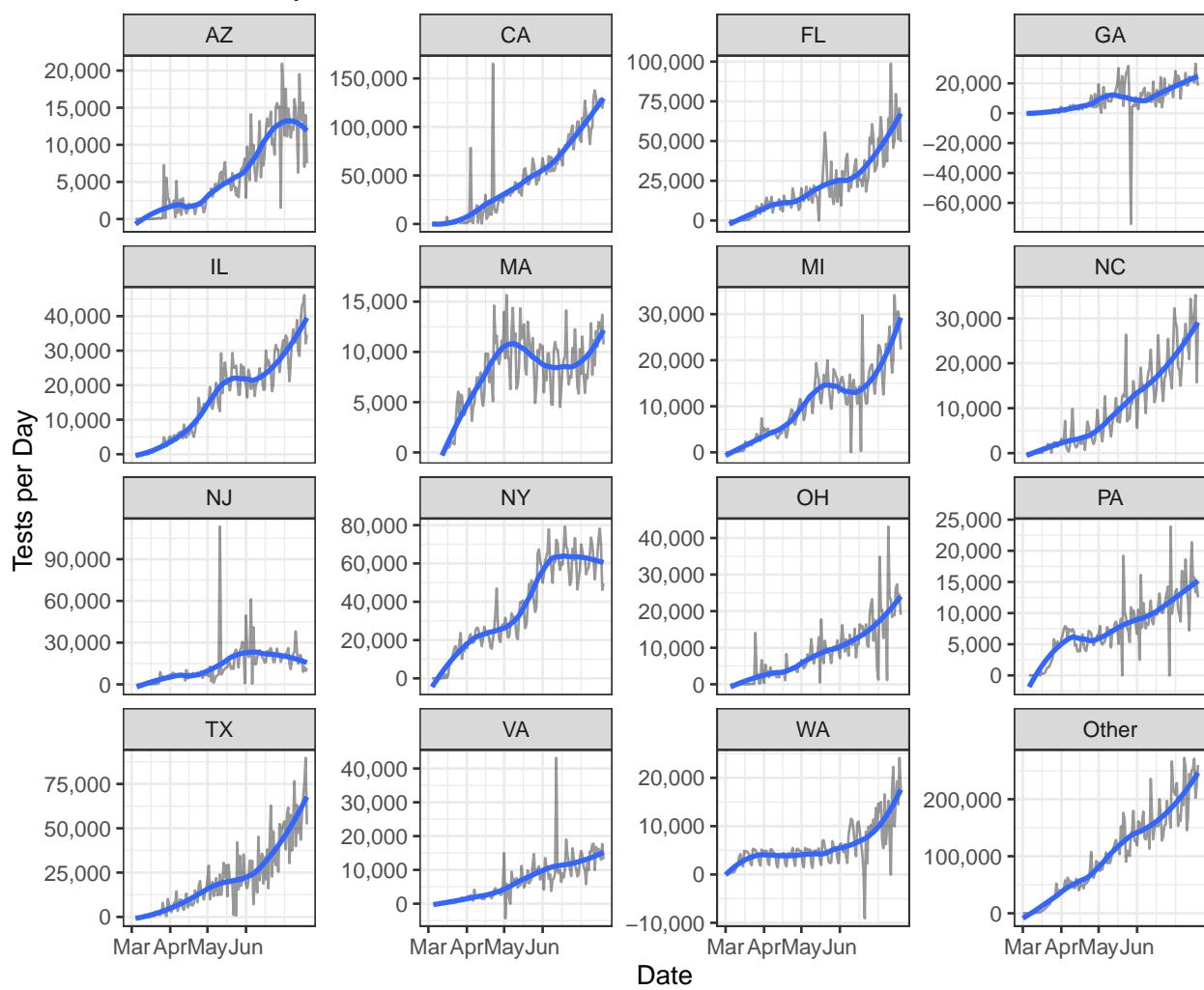


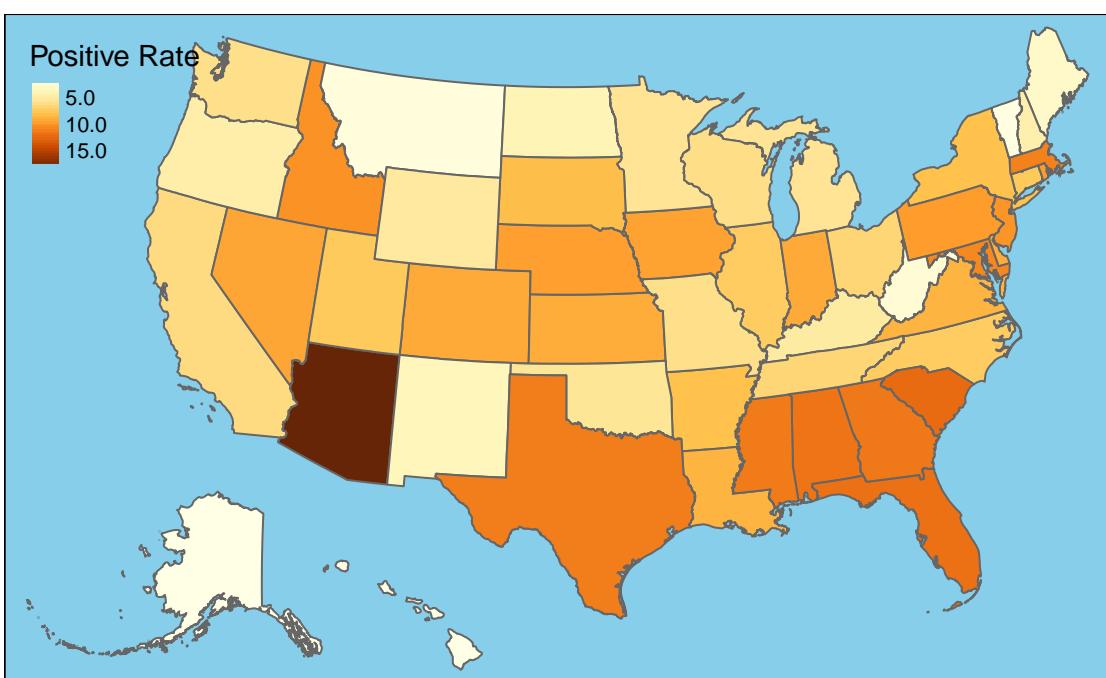
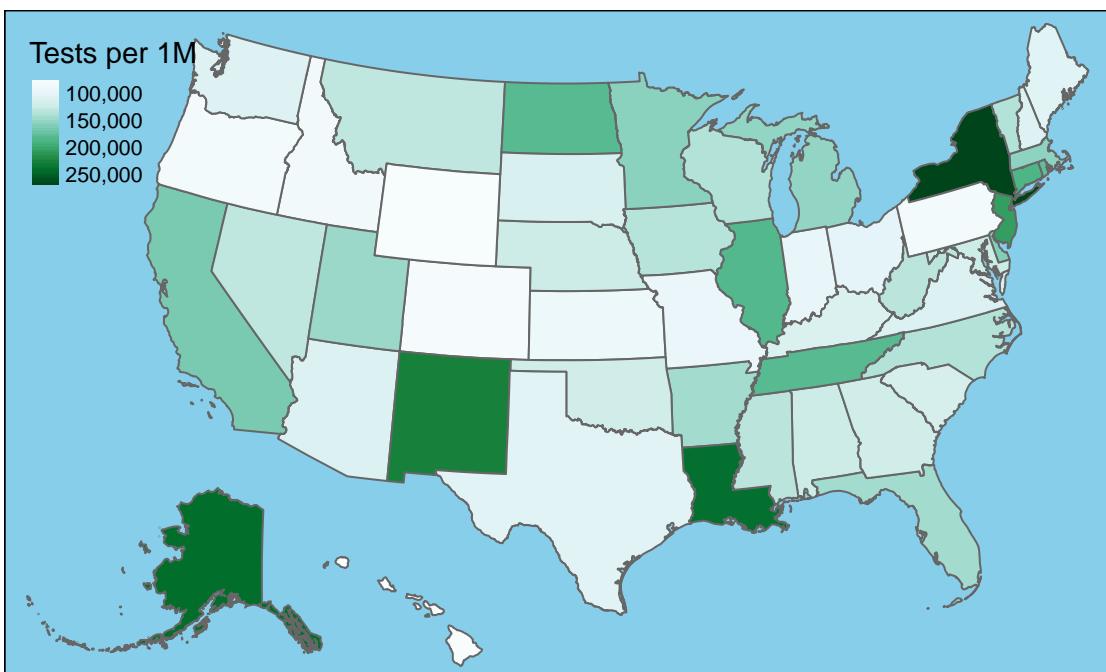


## Testing



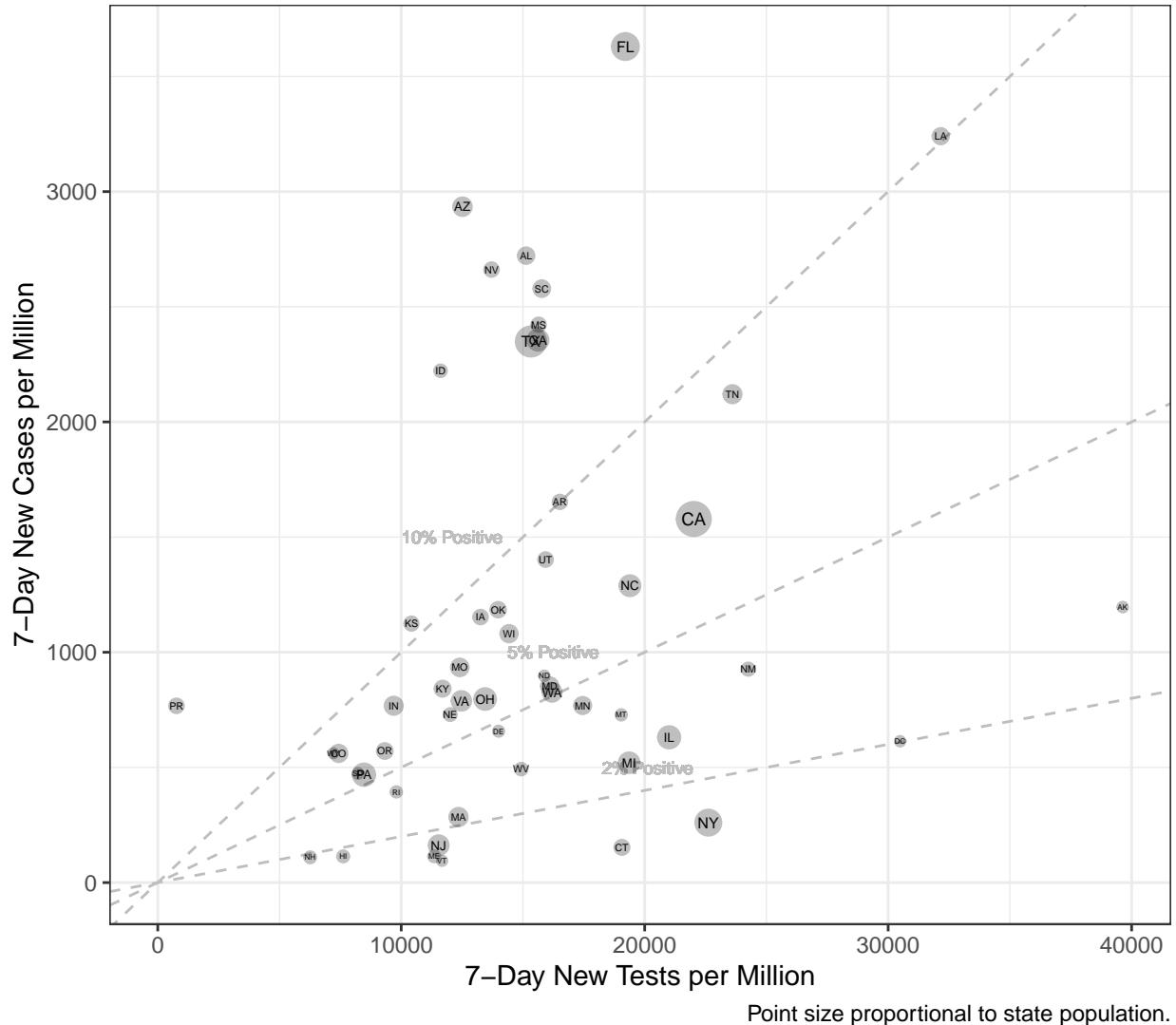
## New Tests by State





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



Point size proportional to state population.

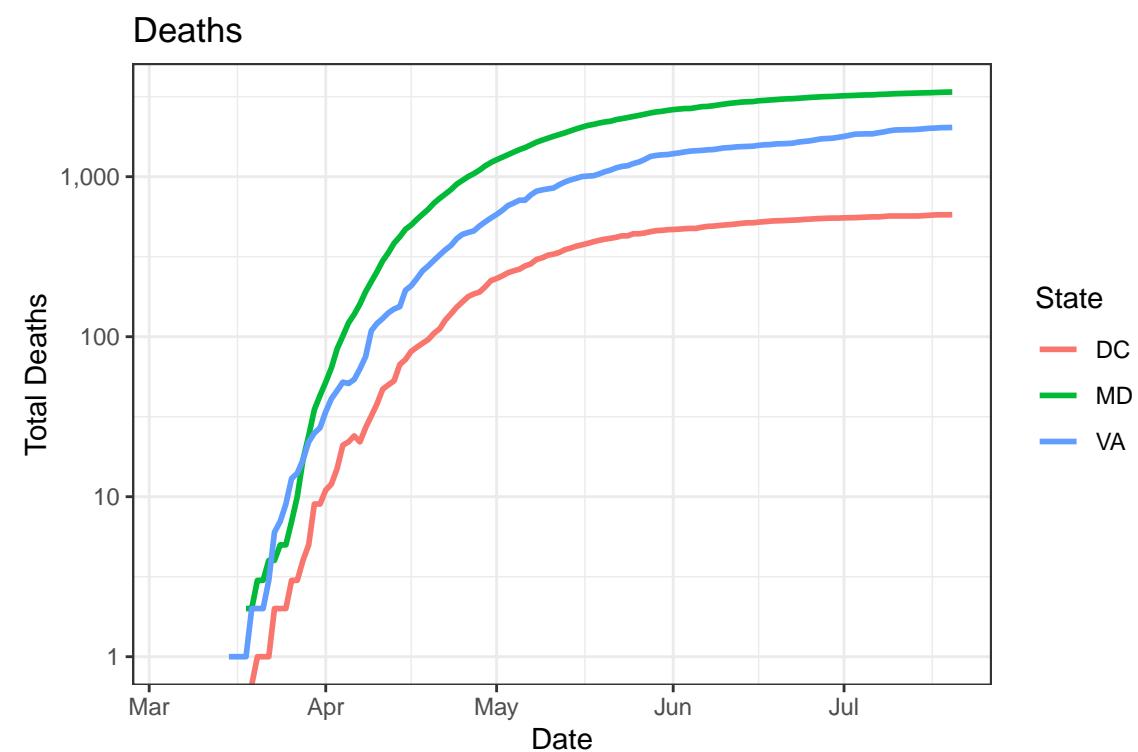
## Local Data

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

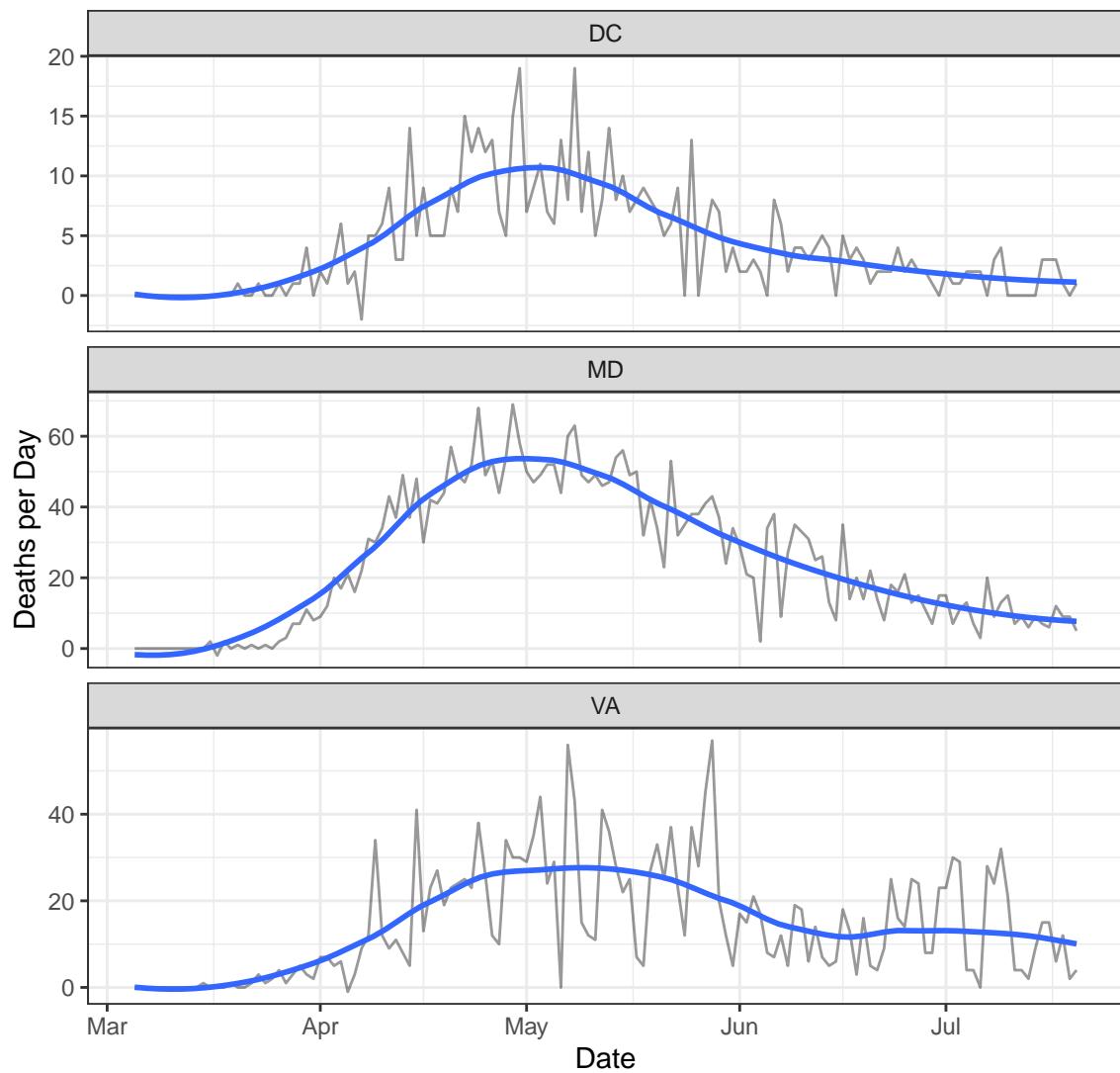
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,339	579	78	1
MD	78,685	3,382	554	5
VA	78,375	2,031	945	4

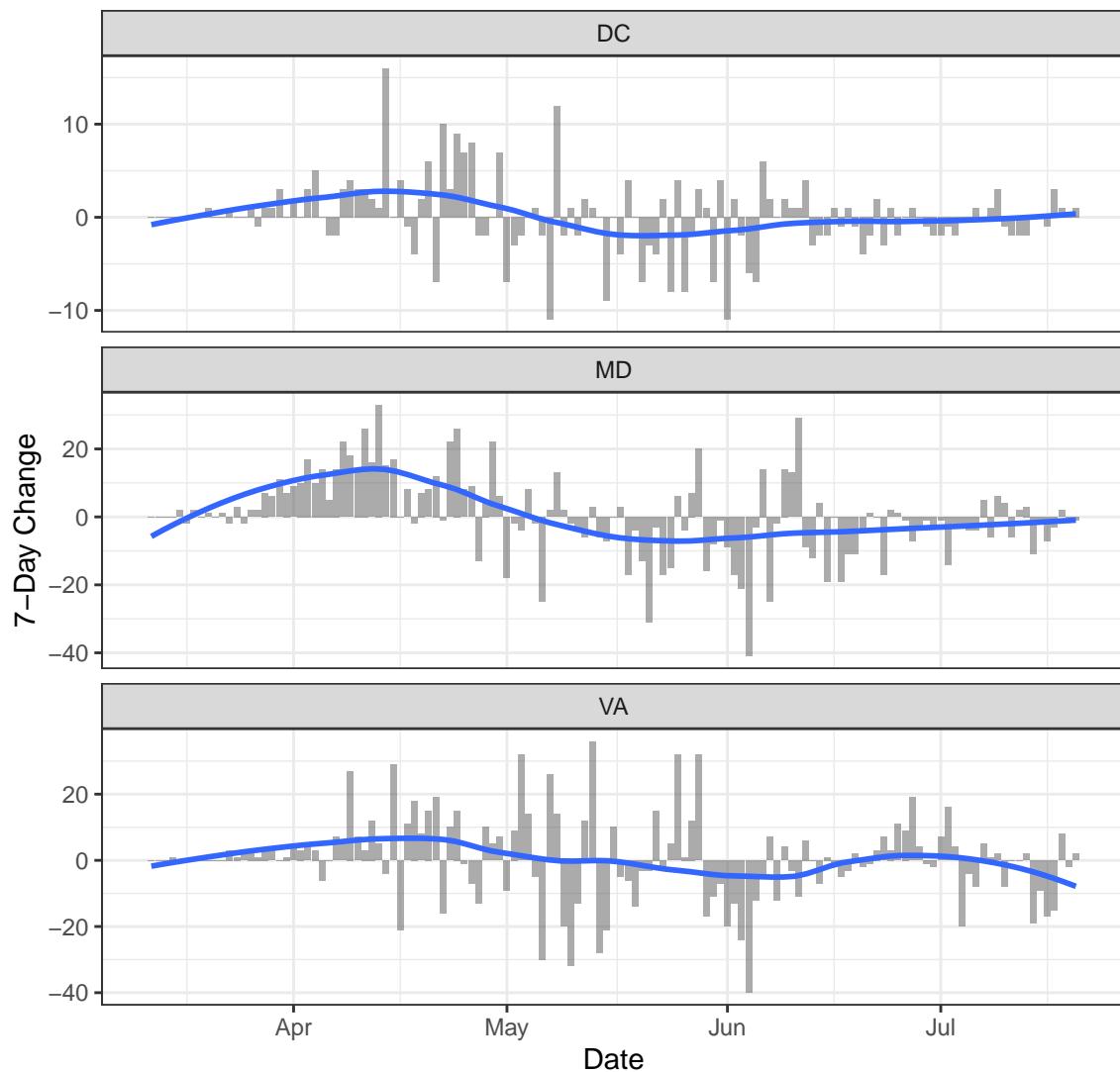
## Deaths

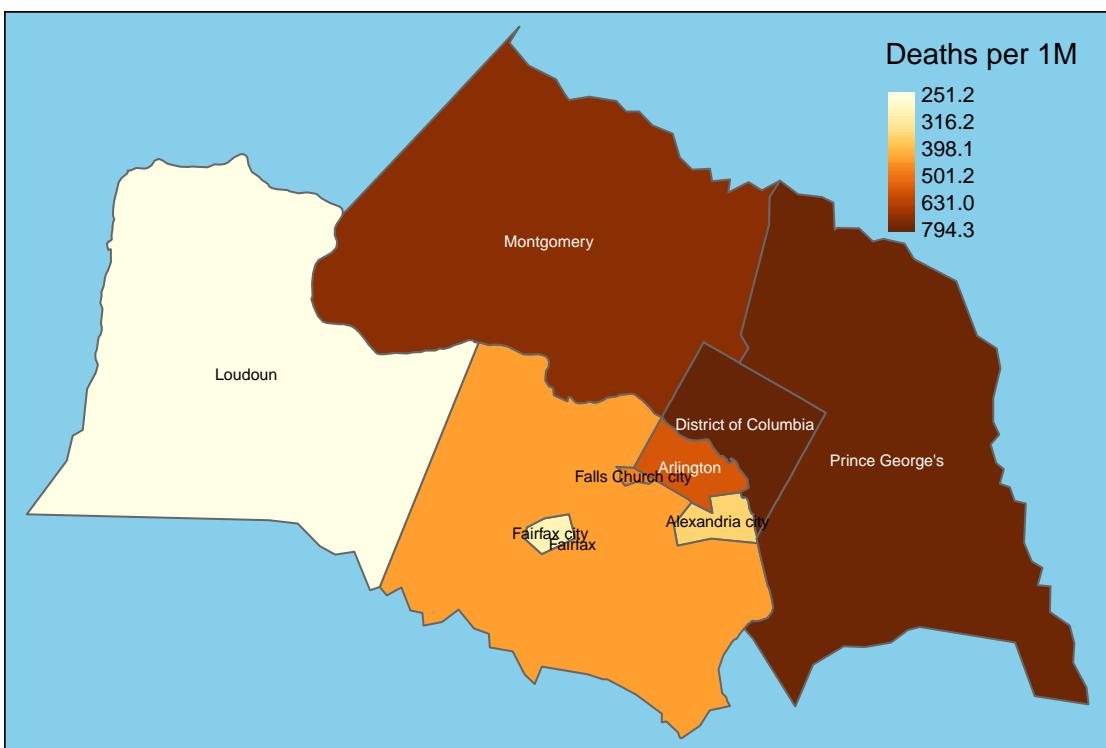
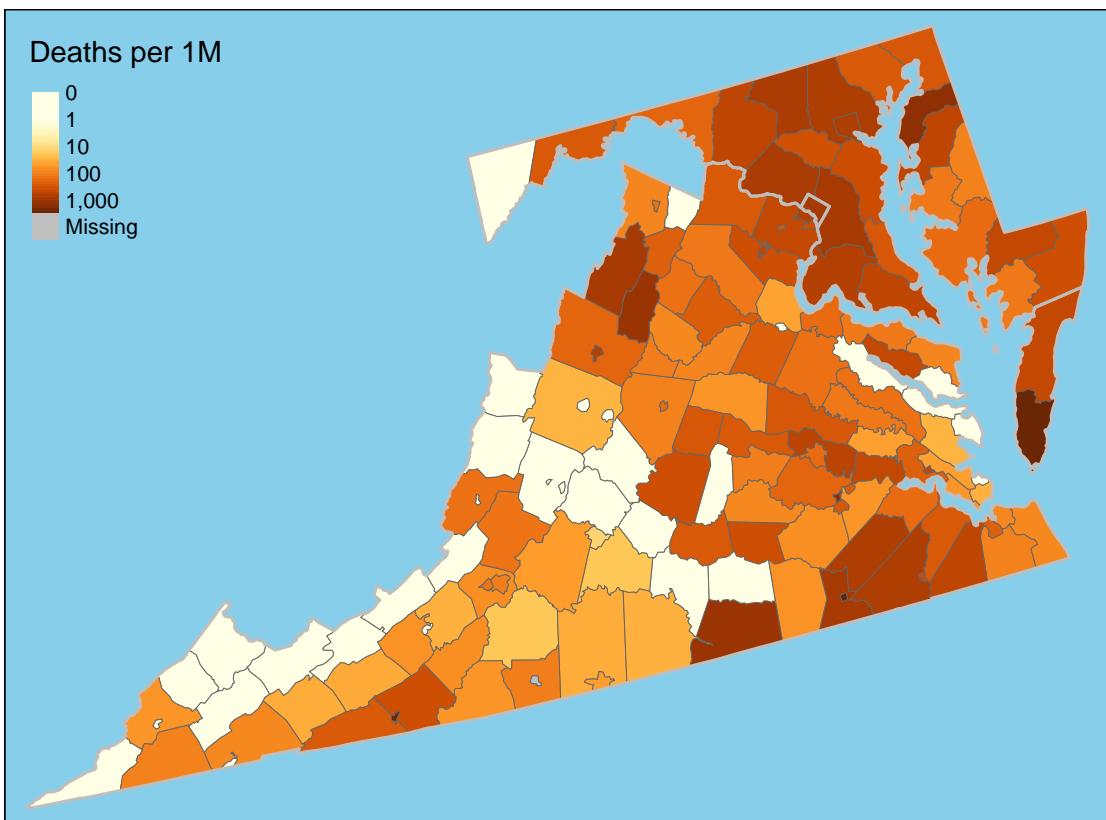


## New Deaths

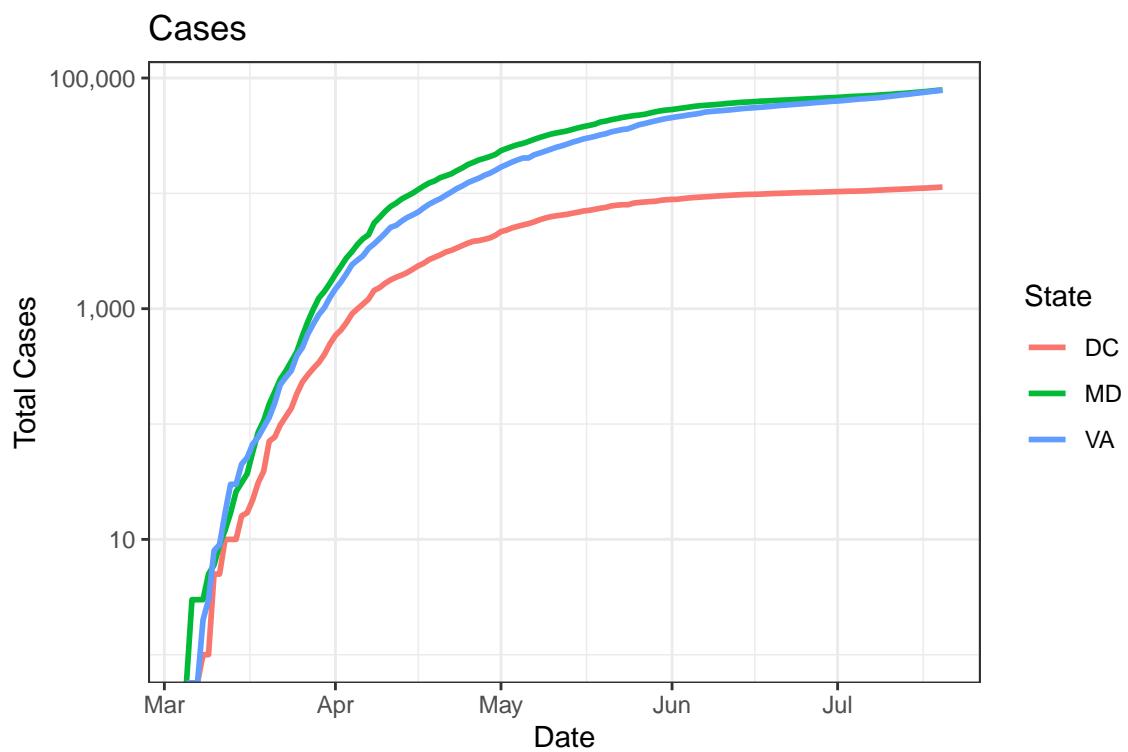


## One-Week Change in Daily Deaths

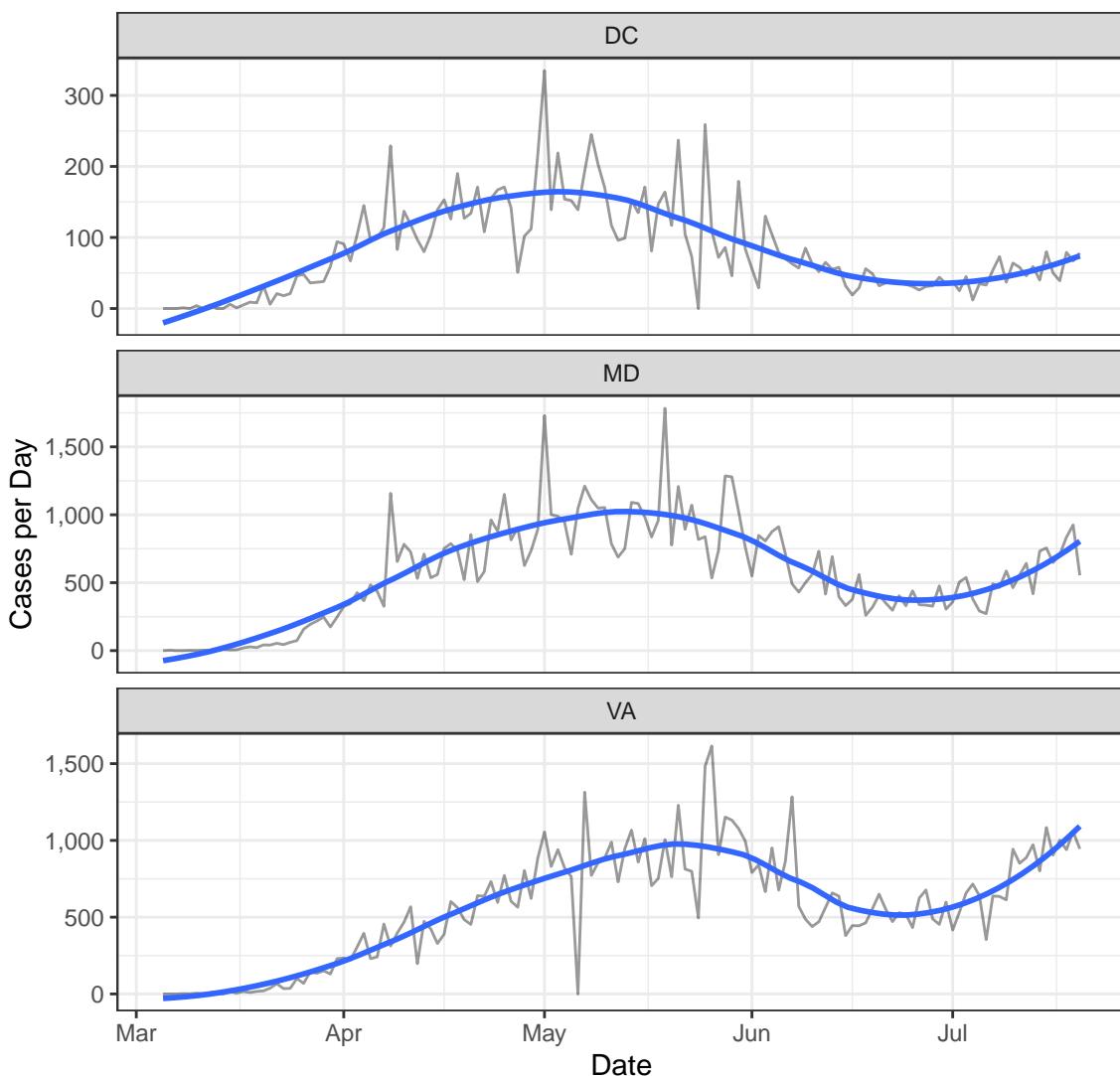




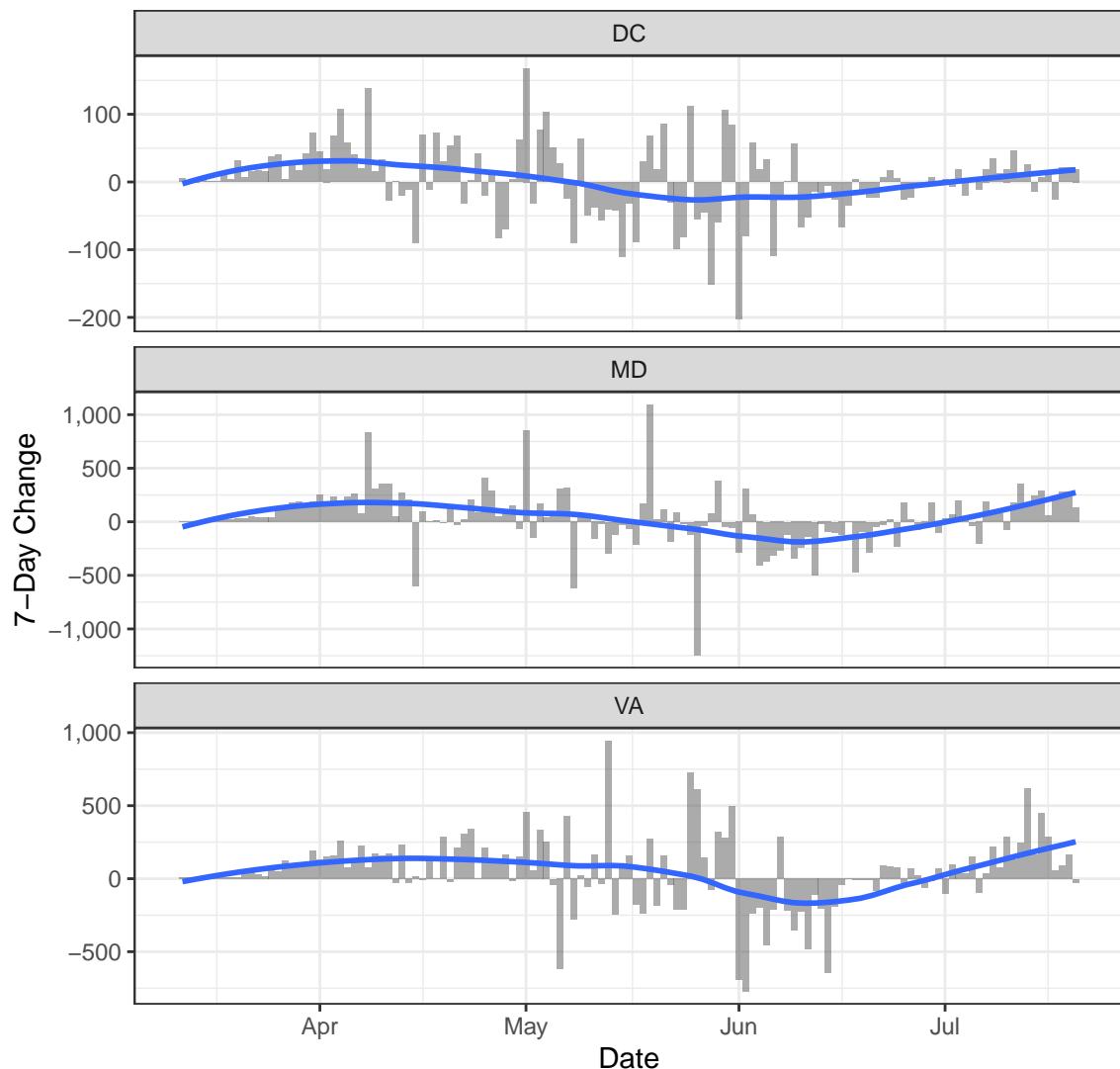
Cases

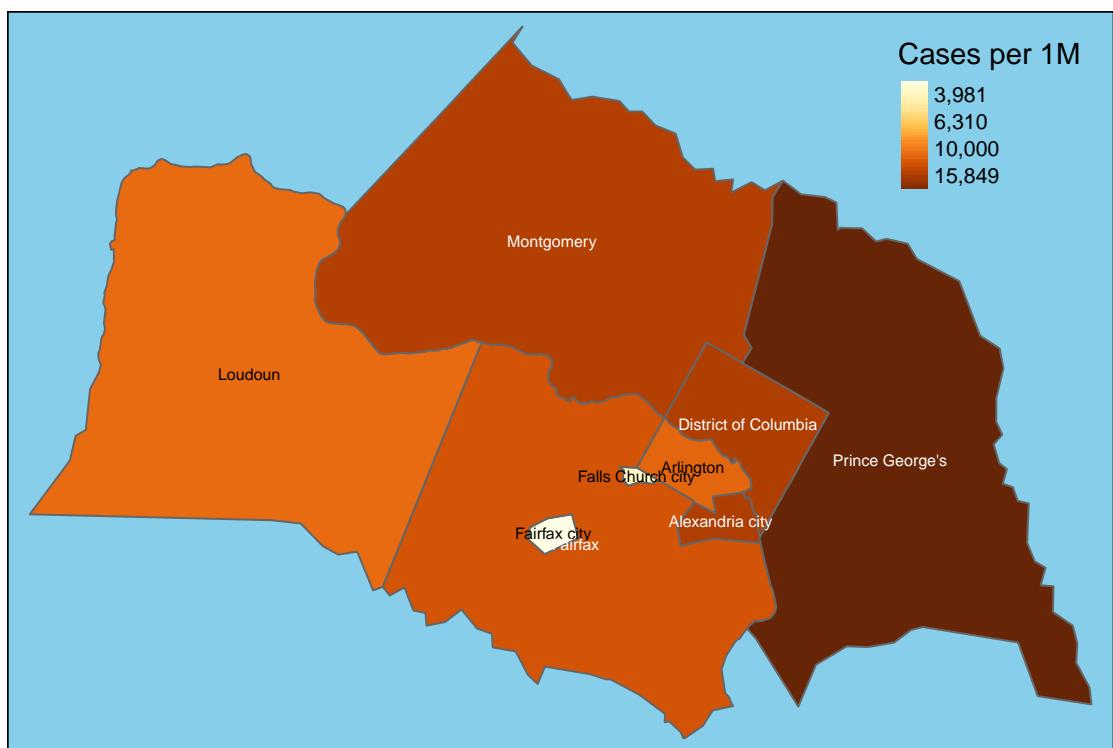
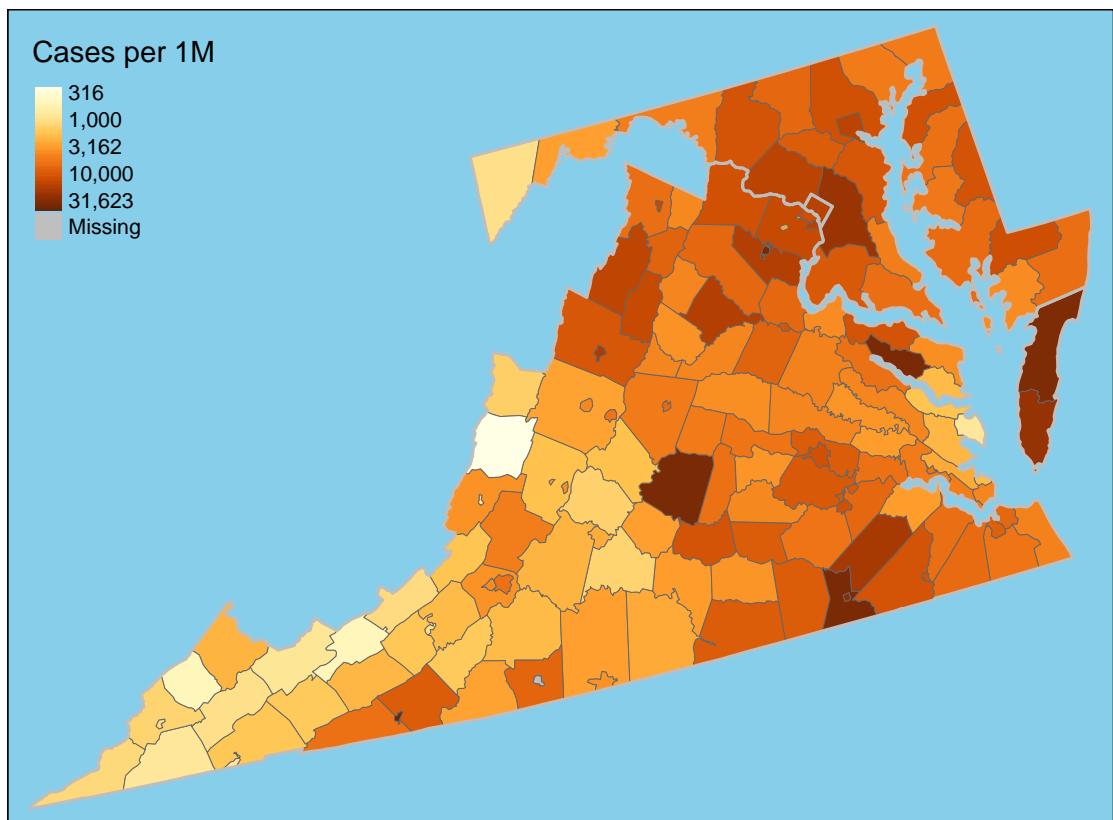


## New Cases

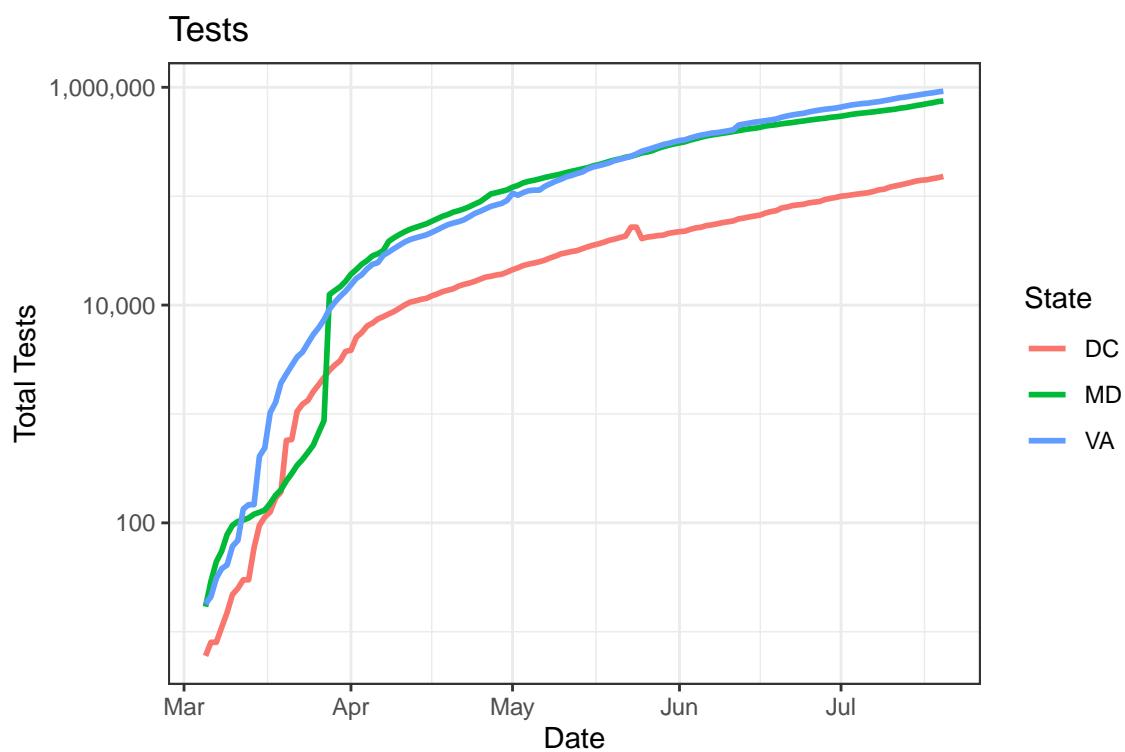


## One-Week Change in Daily Cases

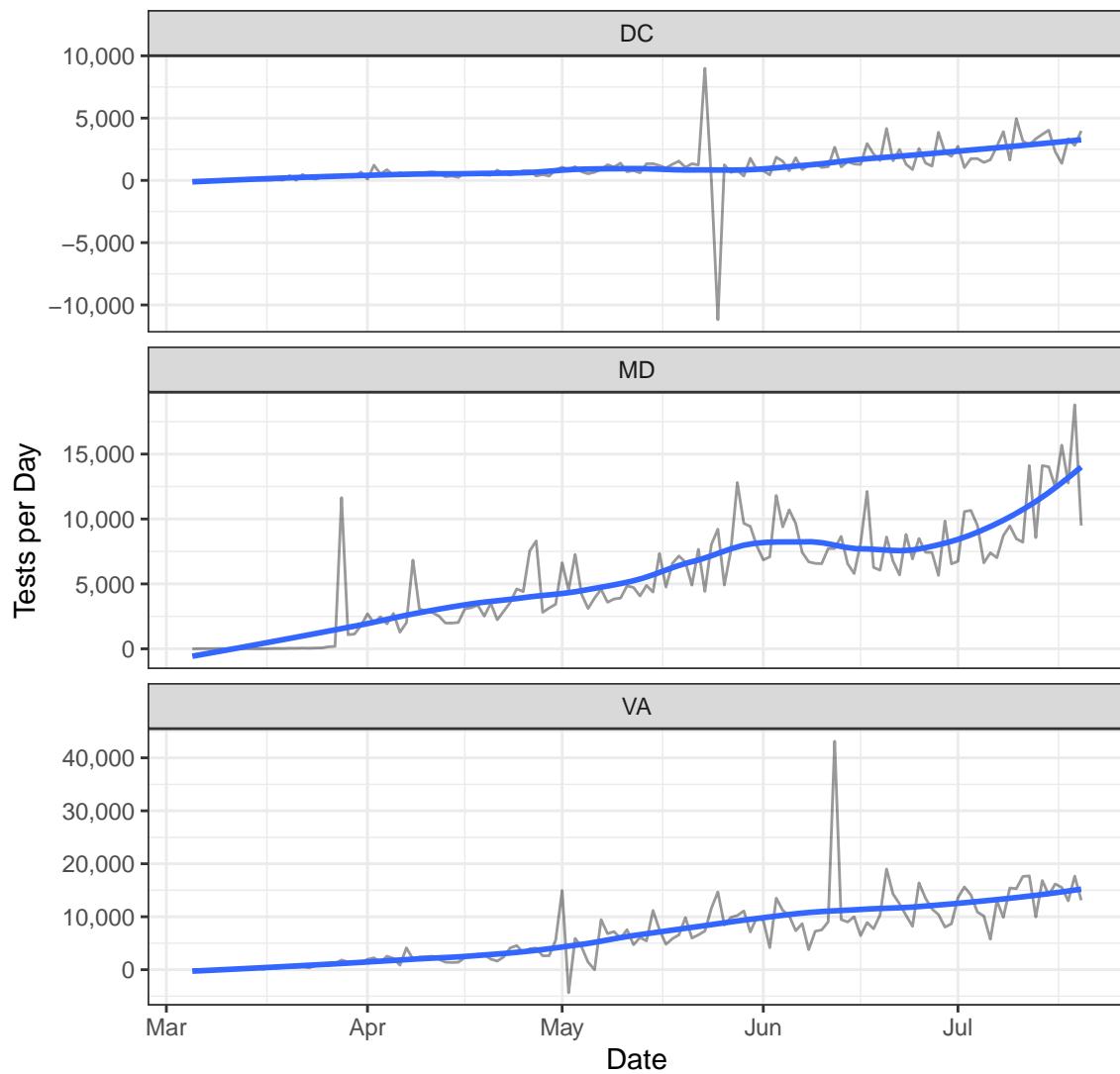




## Testing



## New Tests



## Positive Test Rate

