

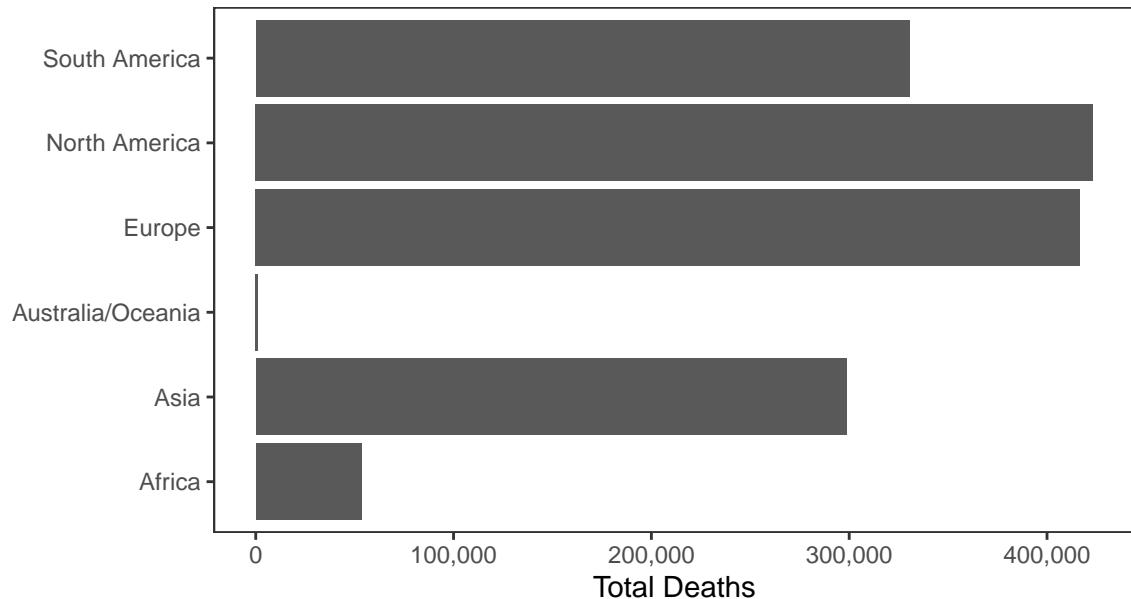
# Erik's Covid-19 Chart Pack

Data updated 2020-12-05 08:29:24. 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 66,211,735 confirmed Covid-19 cases and 1,523,621 deaths worldwide.

**Deaths**



**Cases**

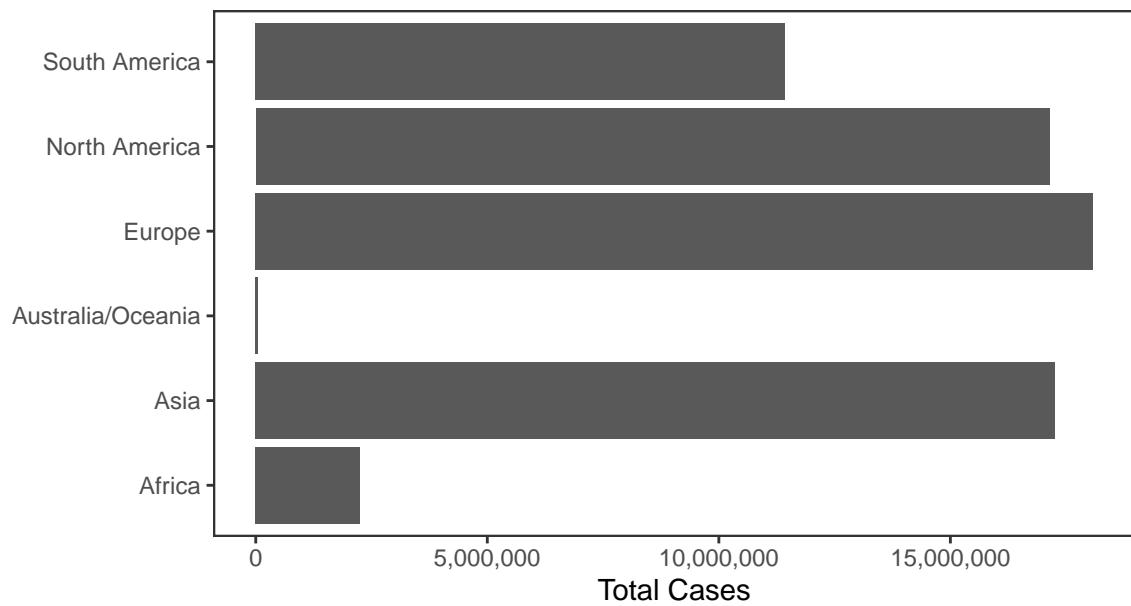
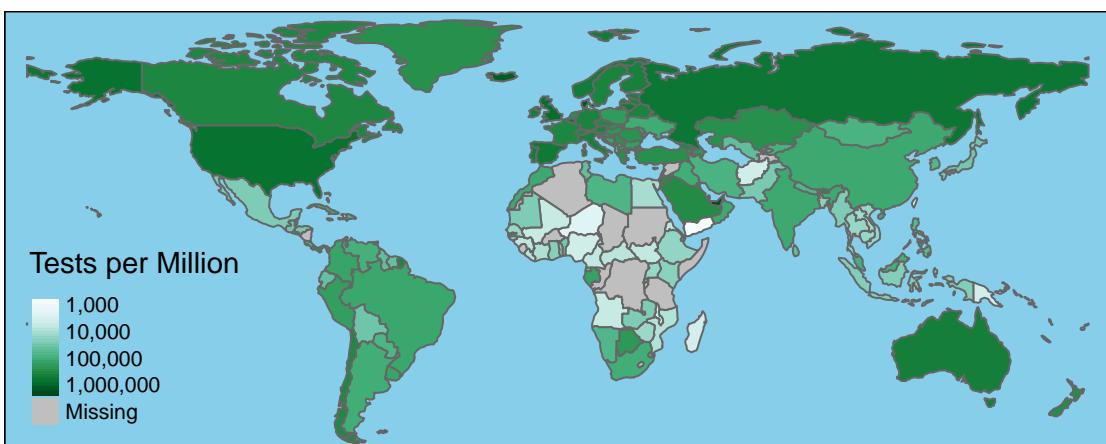
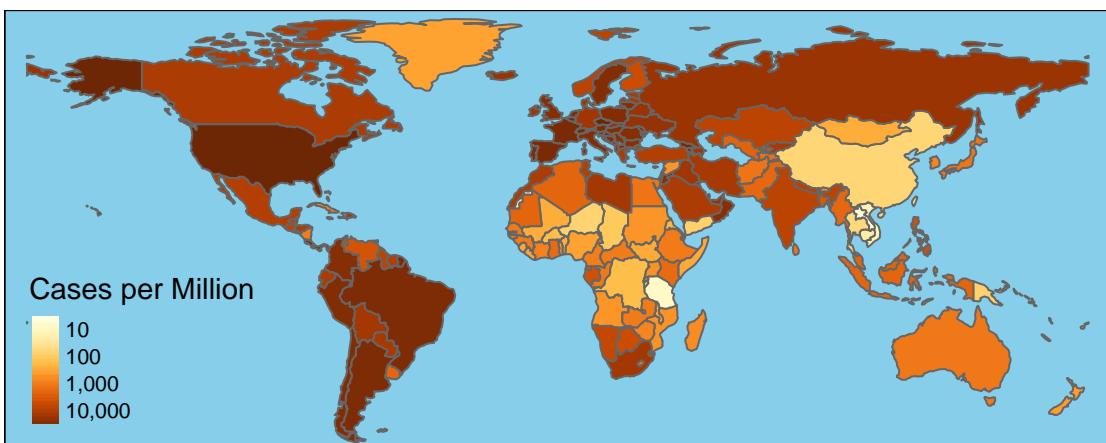
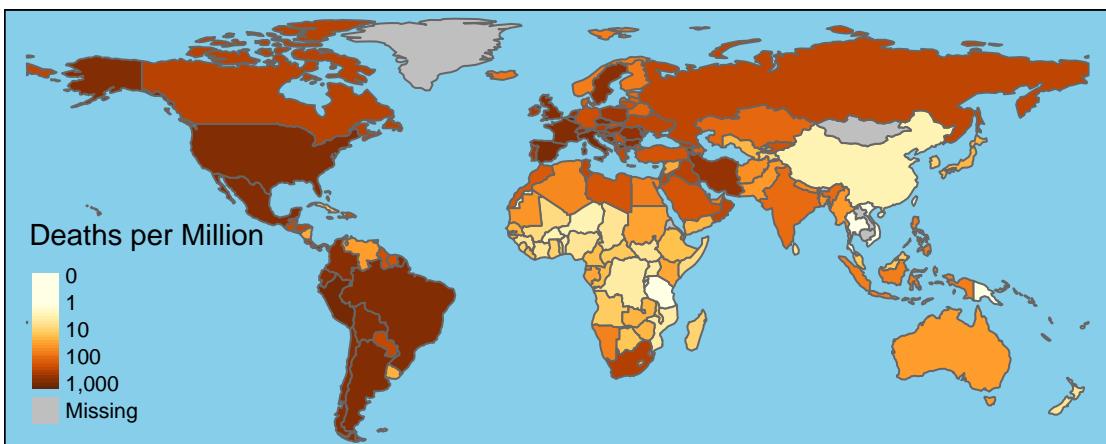


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	14,772,535	285,550	235,272	2,718
India	9,608,418	139,736	36,638	509
Brazil	6,534,951	175,981	47,435	674
Russia	2,402,949	42,176	27,403	569
France	2,268,552	54,767	11,221	397
Spain	1,699,145	46,252	5,554	214
UK	1,690,432	60,617	16,298	504
Italy	1,688,939	58,852	24,099	814
Argentina	1,454,631	39,512	6,899	207
Colombia	1,352,607	37,467	9,285	162
Germany	1,152,283	18,691	23,541	431
Mexico	1,144,643	108,173	11,030	608
Poland	1,041,843	19,359	13,236	531
Iran	1,016,835	49,695	13,341	347
Peru	970,860	36,195	2,014	91
South Africa	805,804	21,963	4,932	160
Ukraine	787,891	13,195	15,131	235
Turkey	765,997	14,509	32,736	193
Belgium	584,857	17,033	2,605	122
Indonesia	563,680	17,479	5,803	124



## National Data

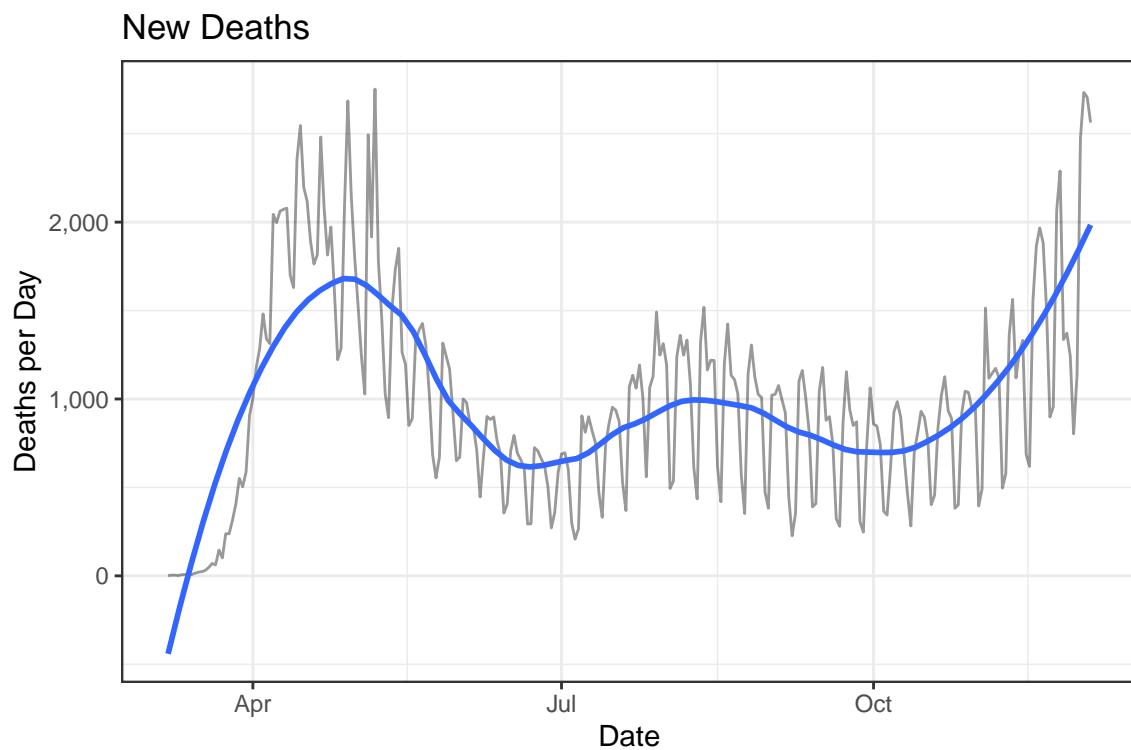
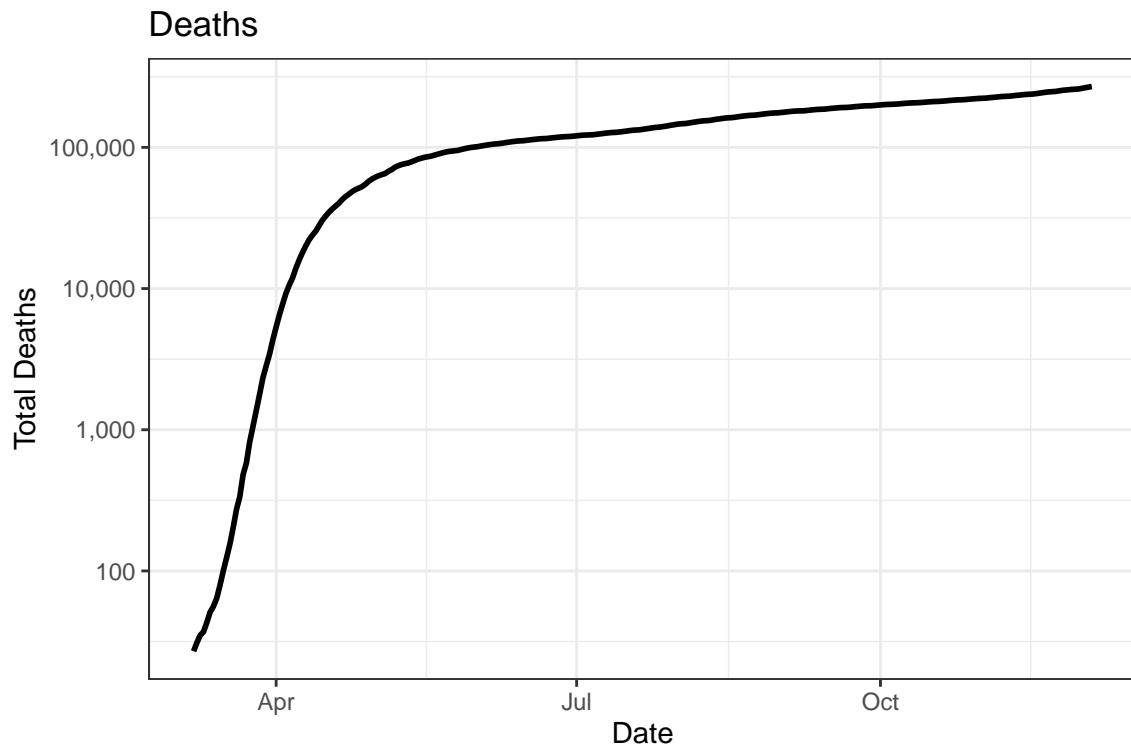
There have been 14,146,191 confirmed Covid-19 cases and 269,791 deaths in the United States.

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

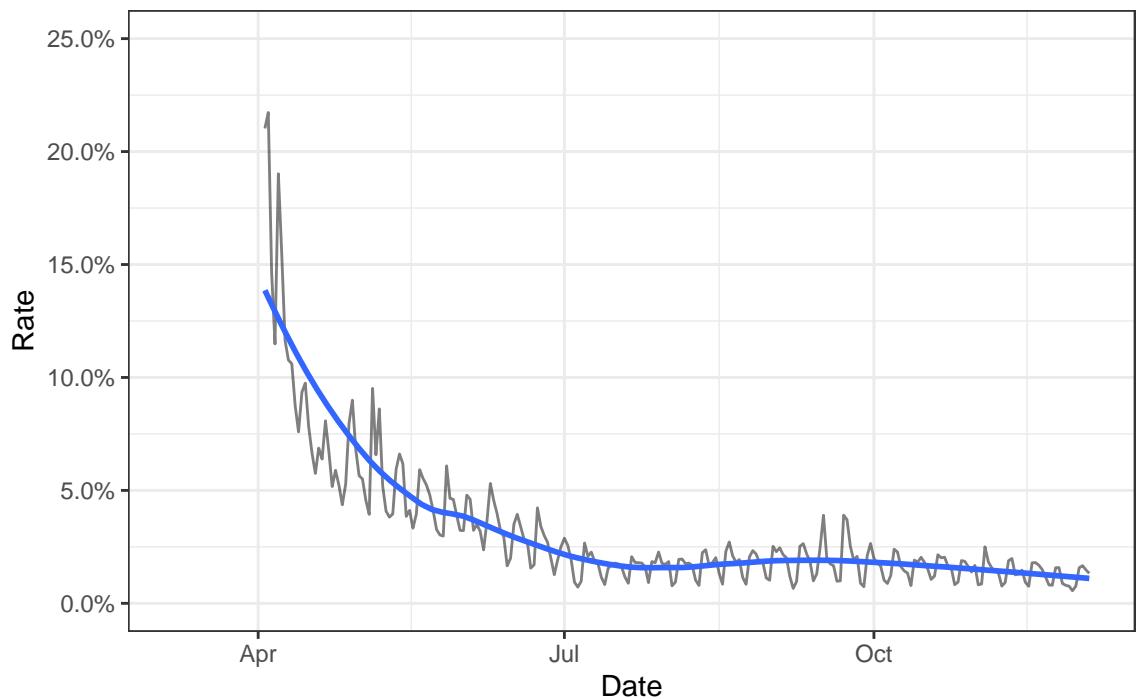
Date	Cases	Deaths	New Cases	New Deaths
2020-12-04	14,146,191	269,791	224,831	2,563
2020-12-03	13,921,360	267,228	210,204	2,706
2020-12-02	13,711,156	264,522	195,796	2,733
2020-12-01	13,515,360	261,789	176,753	2,473
2020-11-30	13,338,607	259,316	147,587	1,136
2020-11-29	13,191,020	258,180	135,242	803
2020-11-28	13,055,778	257,377	154,522	1,245
2020-11-27	12,901,256	256,132	193,725	1,372
2020-11-26	12,707,531	254,760	126,335	1,336
2020-11-25	12,581,196	253,424	183,629	2,289
2020-11-24	12,397,567	251,135	167,014	2,066
2020-11-23	12,230,553	249,069	150,958	955
2020-11-22	12,079,595	248,114	150,841	898
2020-11-21	11,928,754	247,216	179,715	1,512

## Deaths

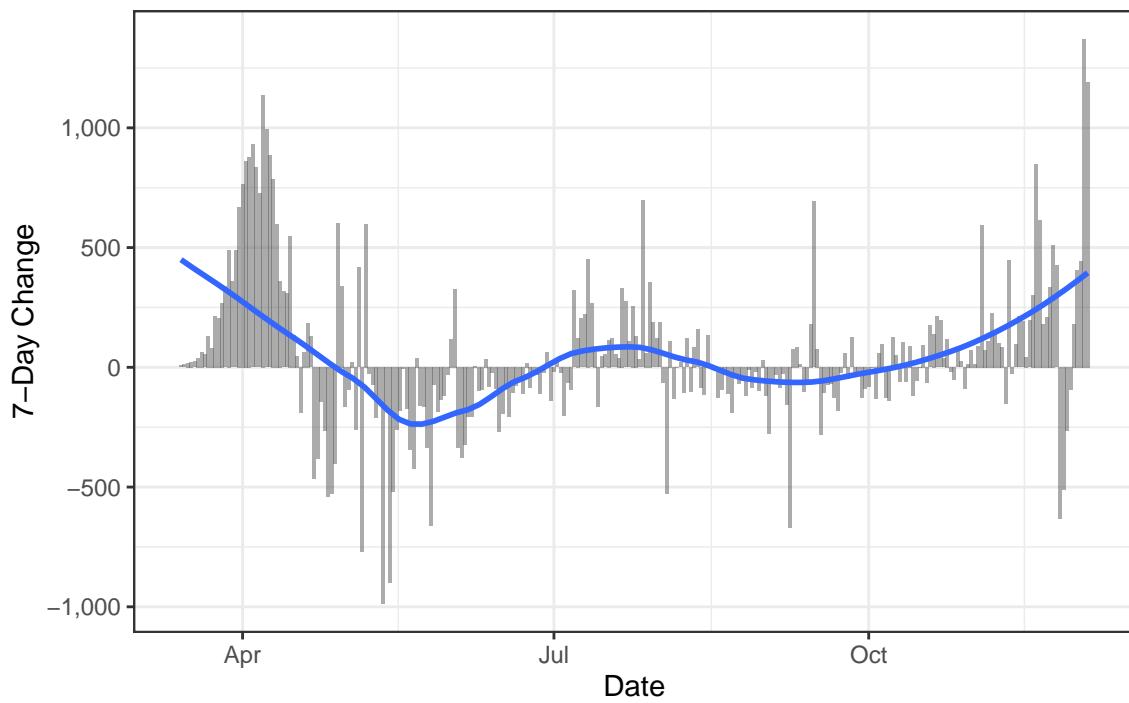
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

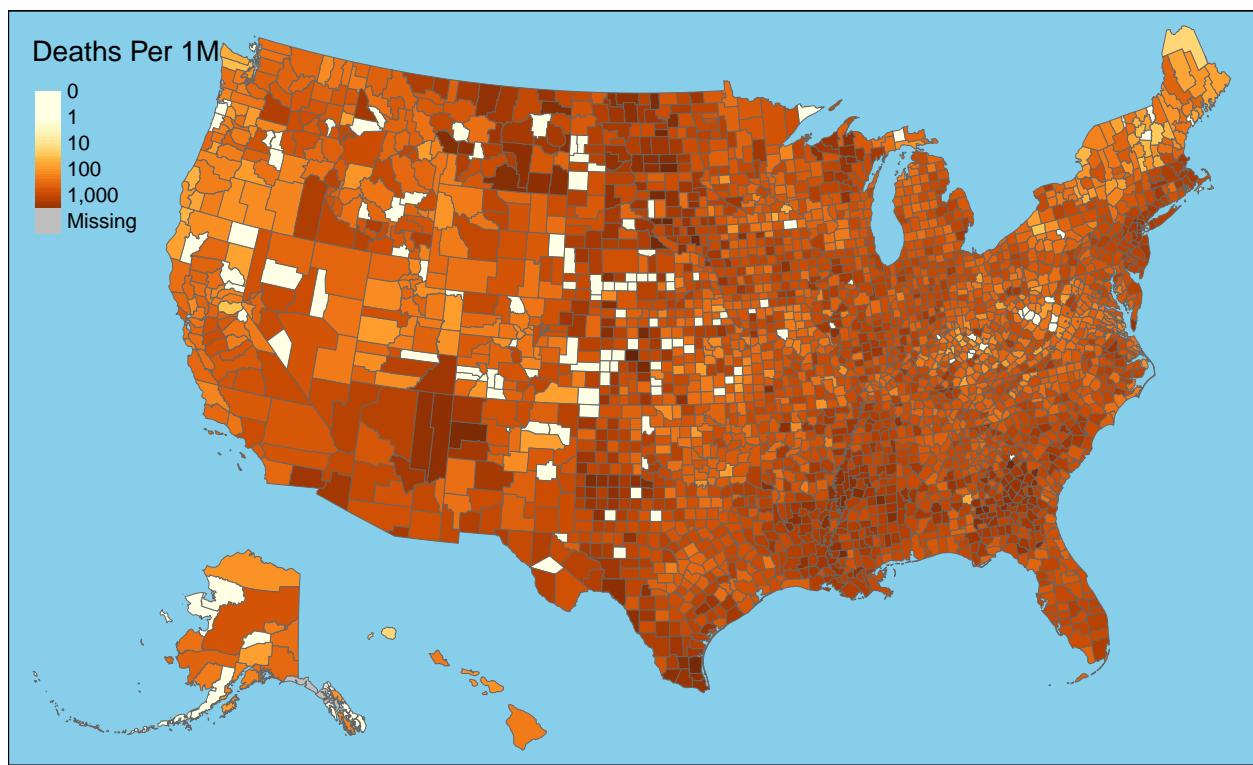


Daily Case Mortality Rate



One-Week Change in Daily Deaths

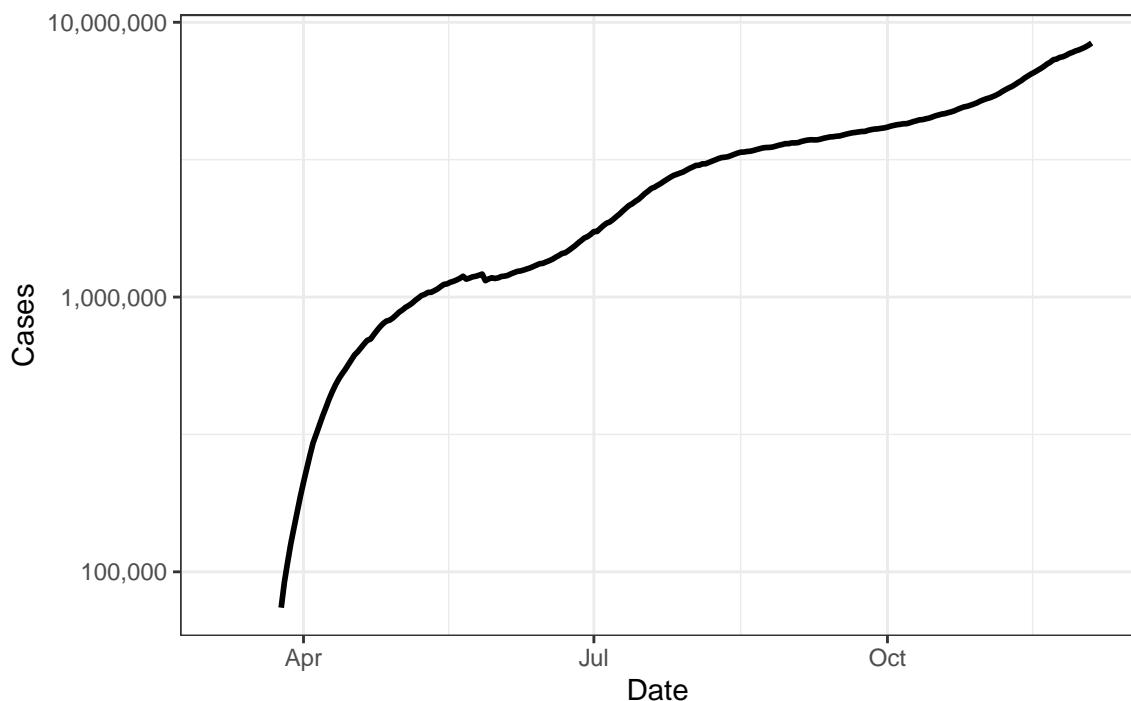




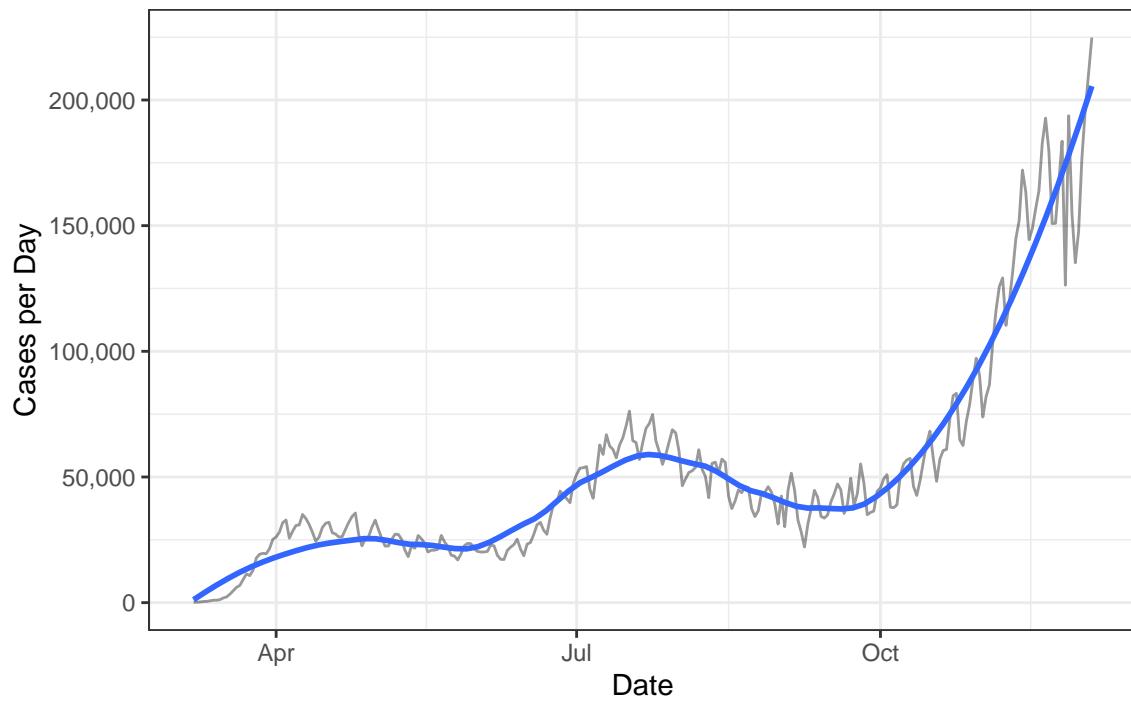
## Cases

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

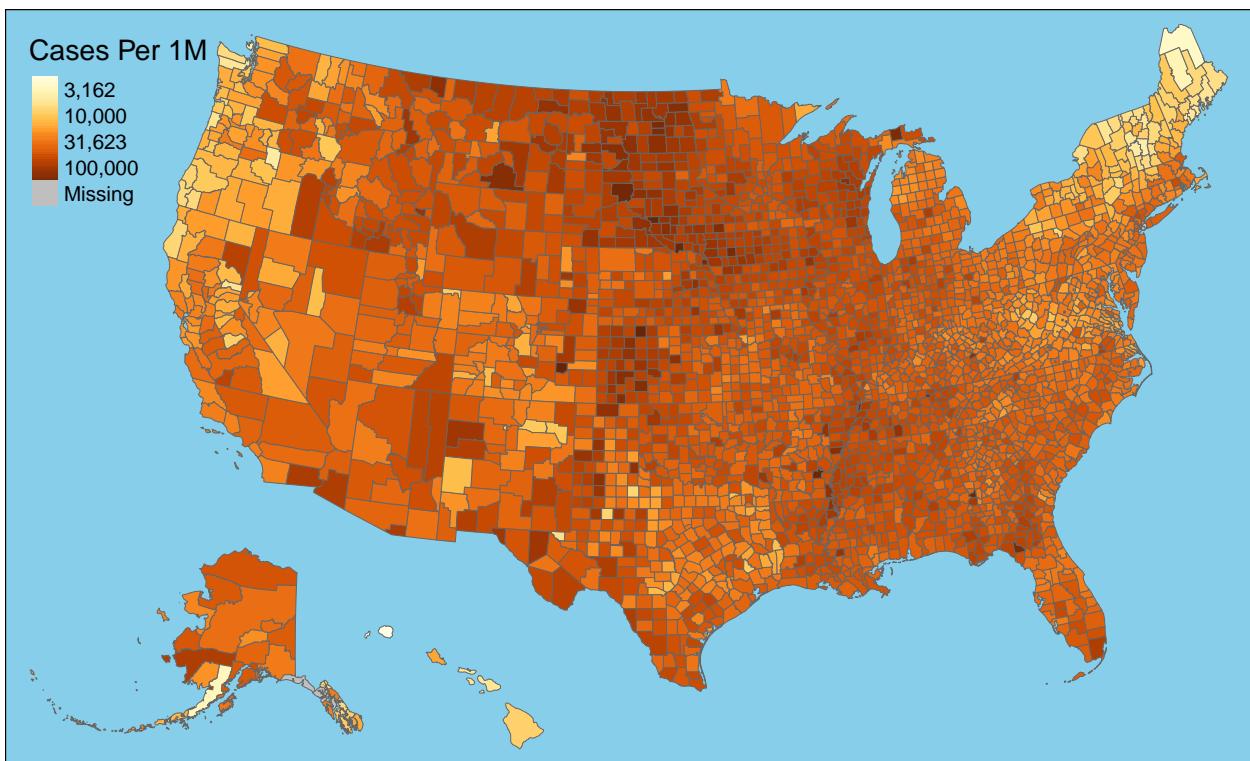
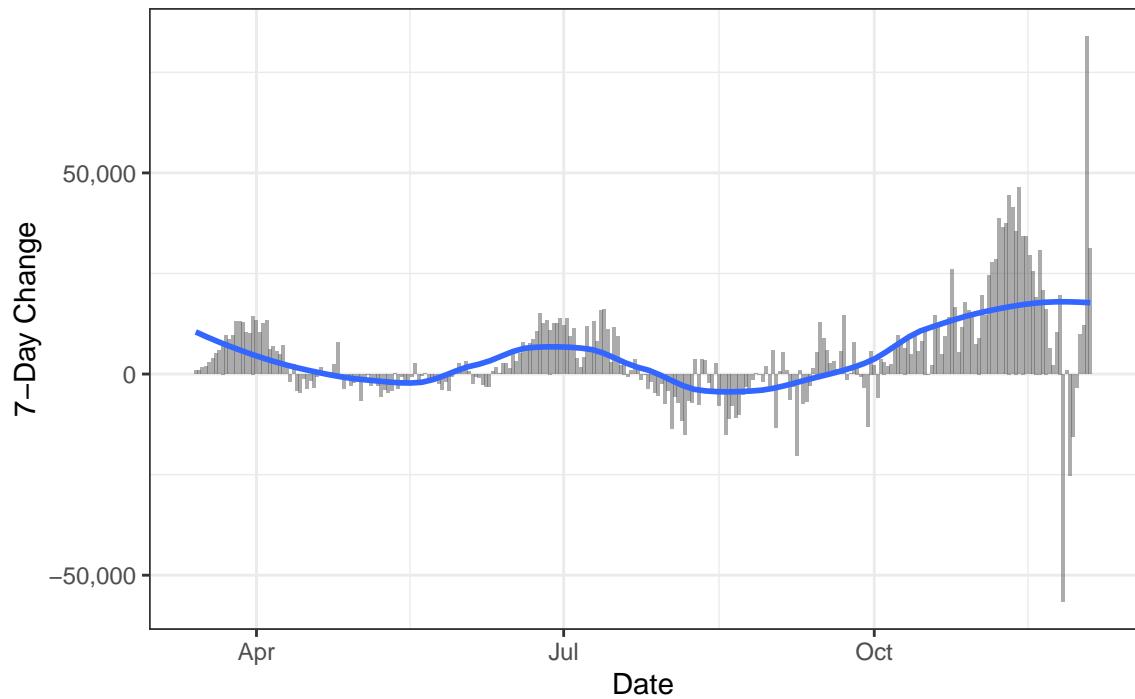
### Active Cases



### New Cases

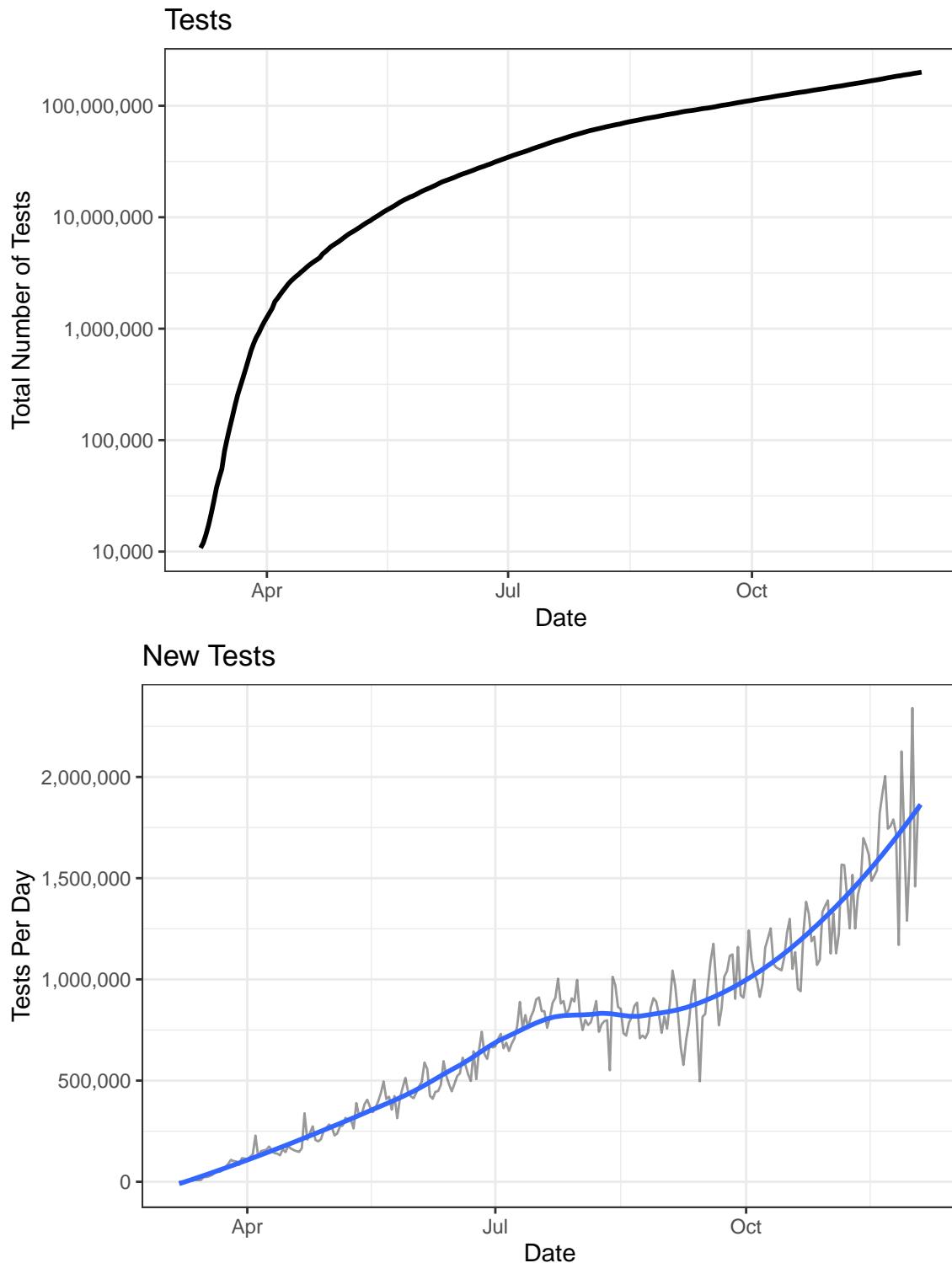


## One-Week Change in Daily Cases

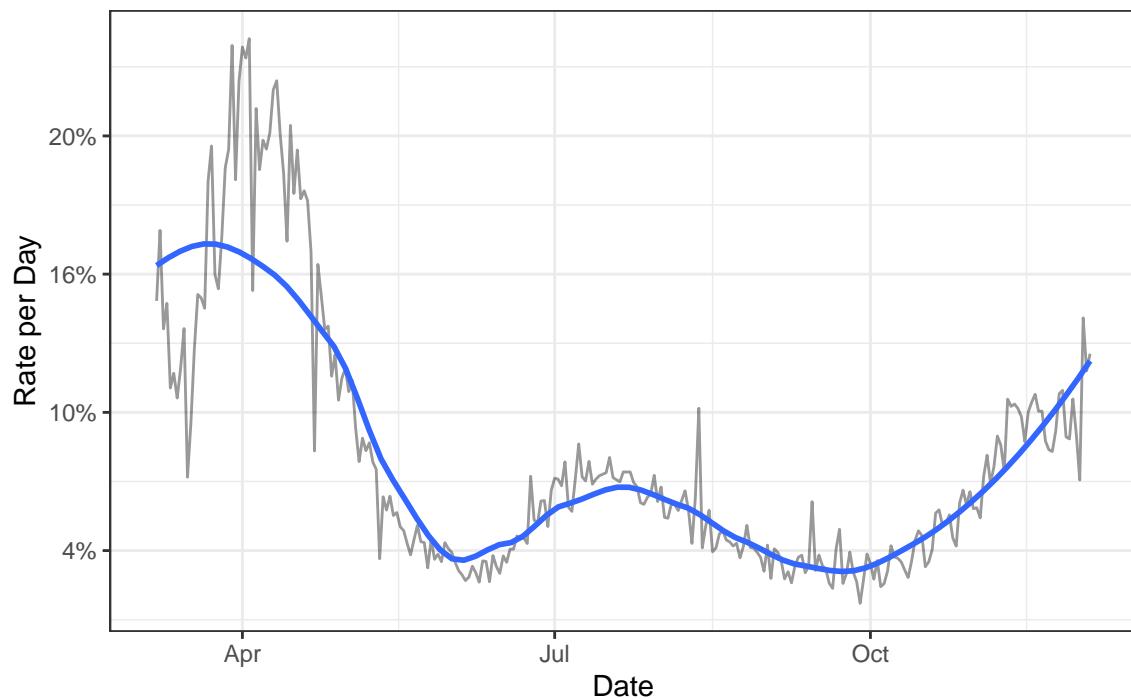


## Testing

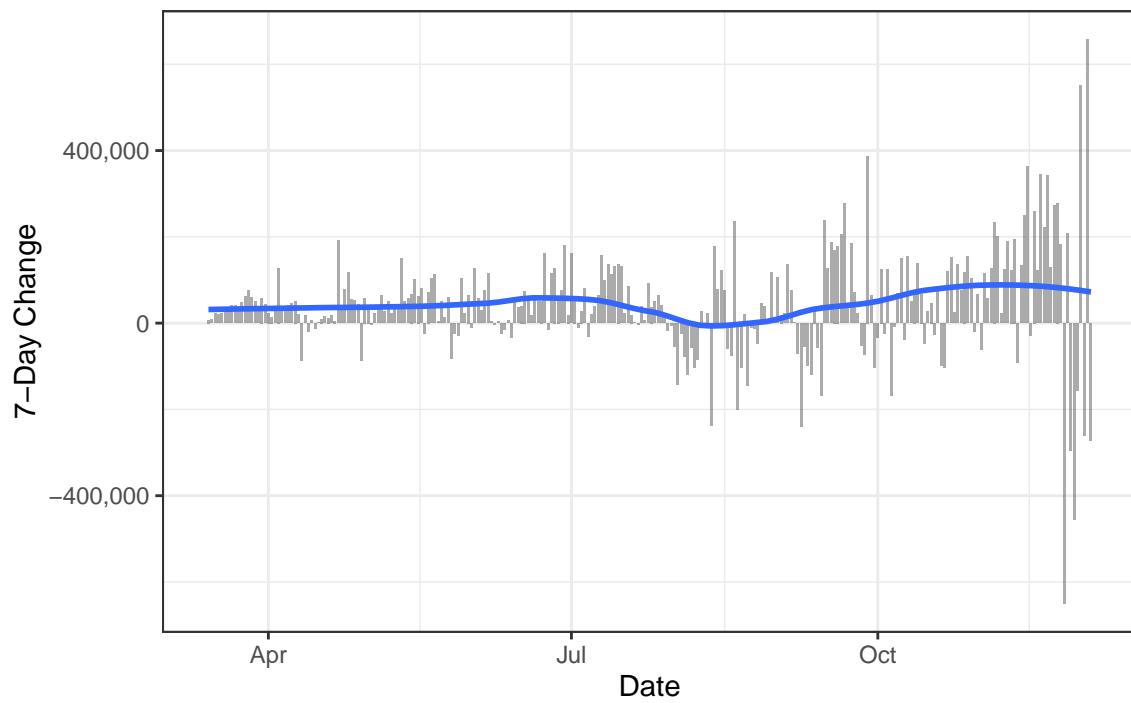
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

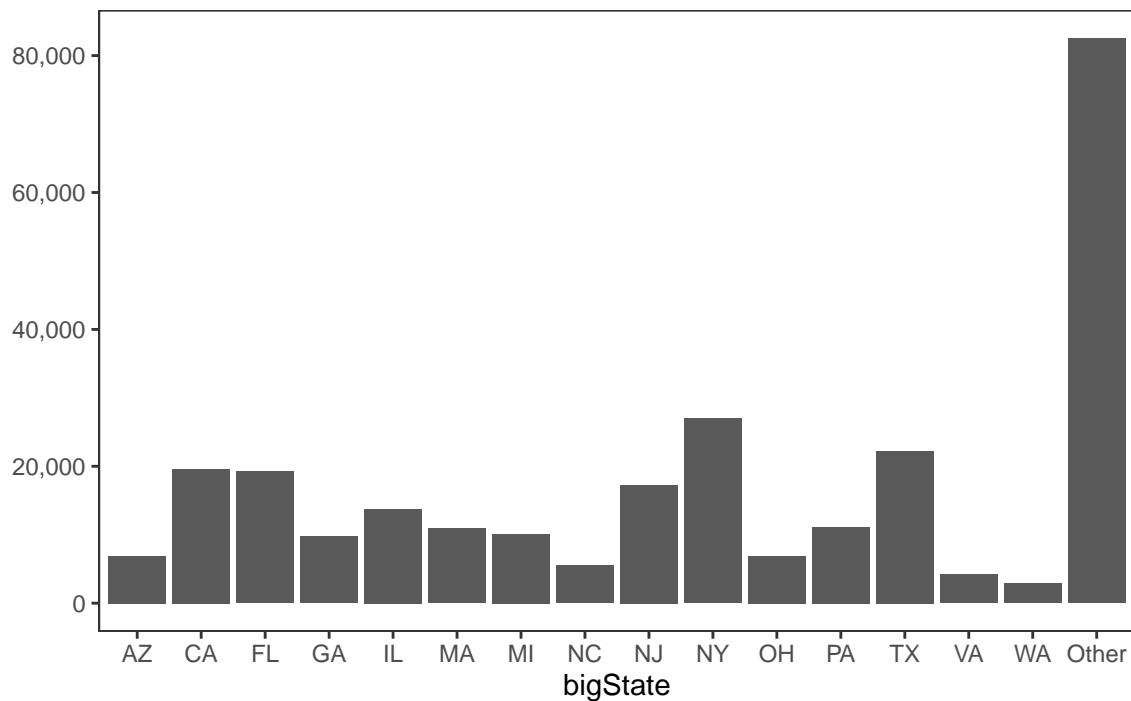


## State Data

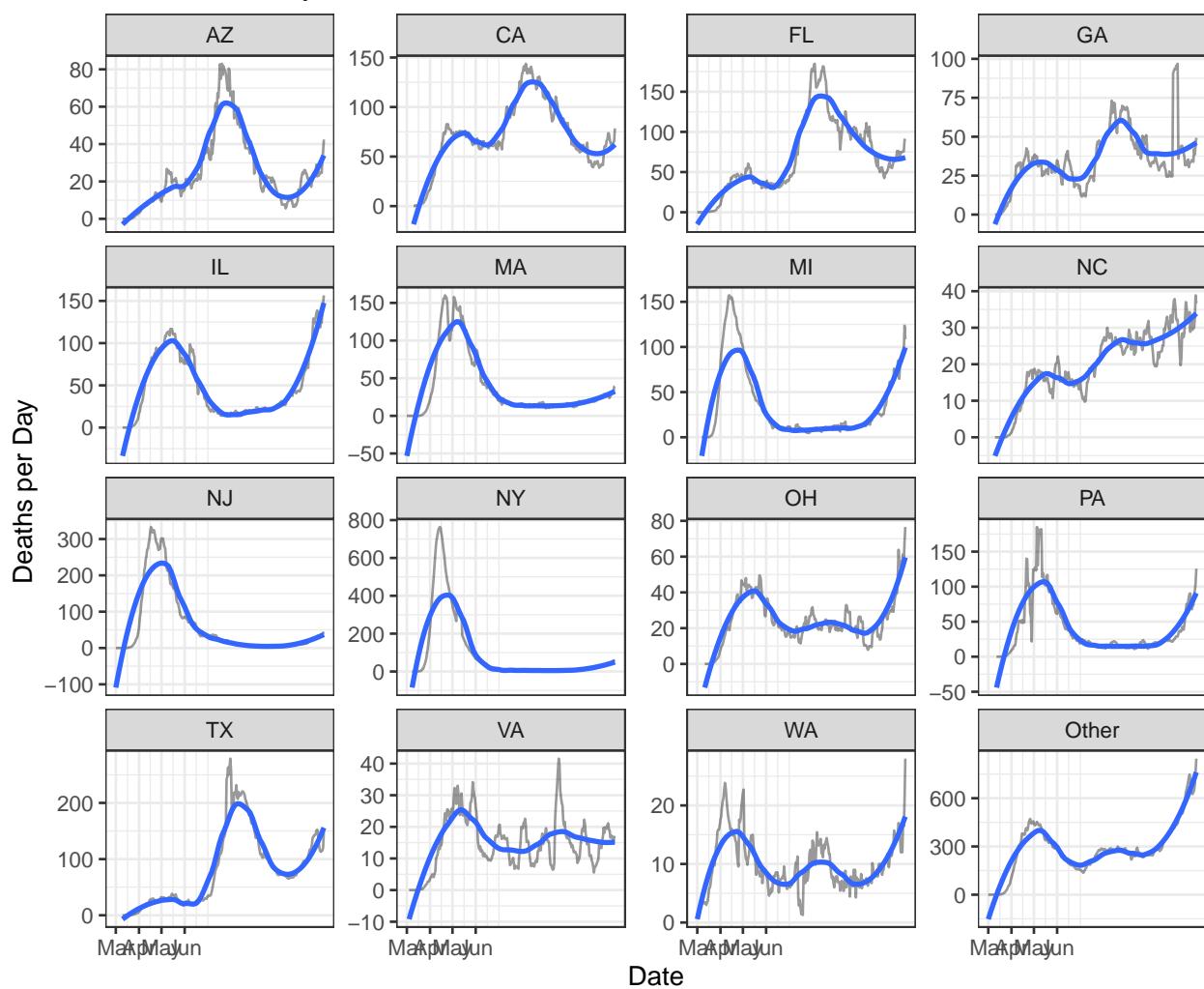
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

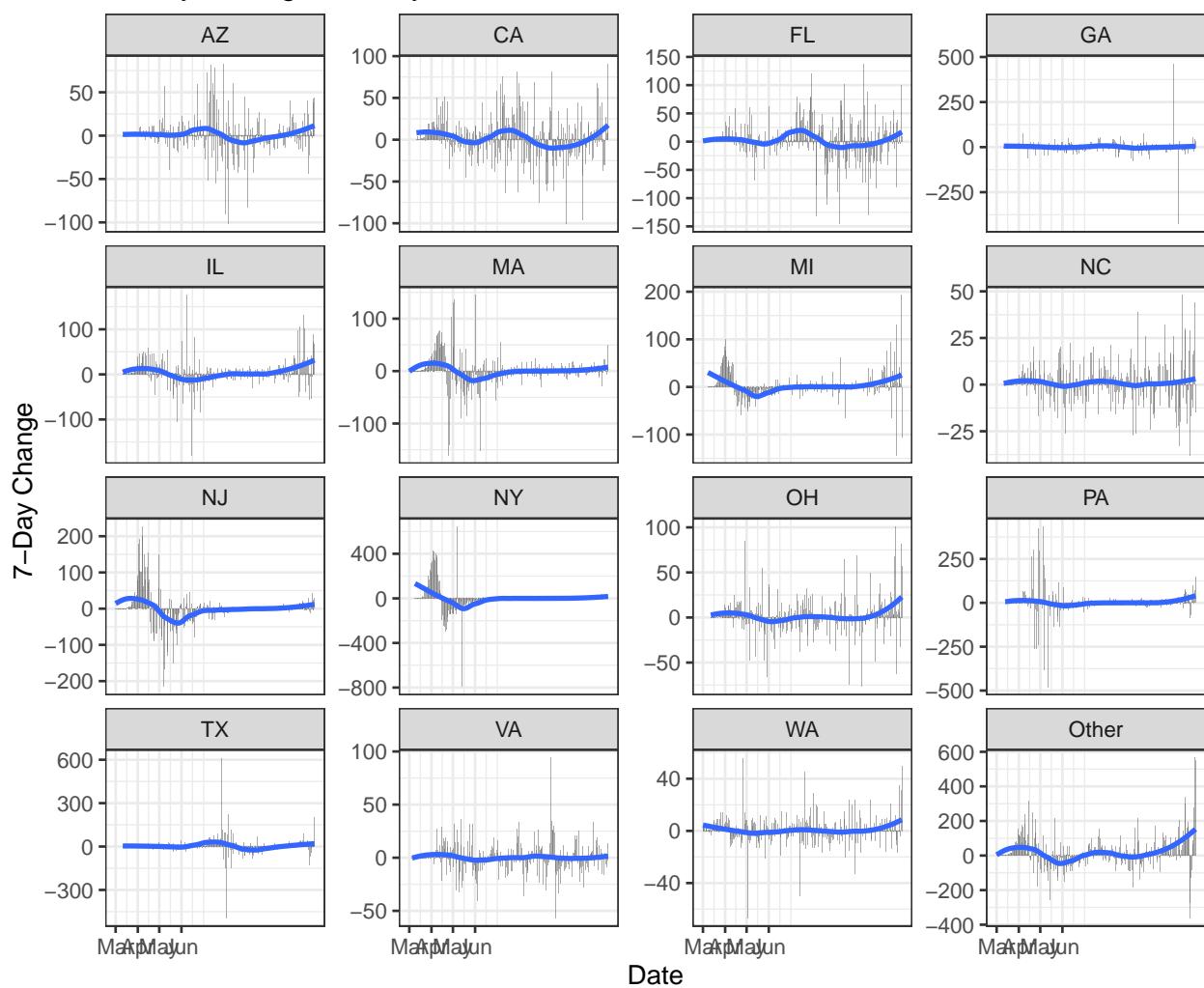
Deaths by State

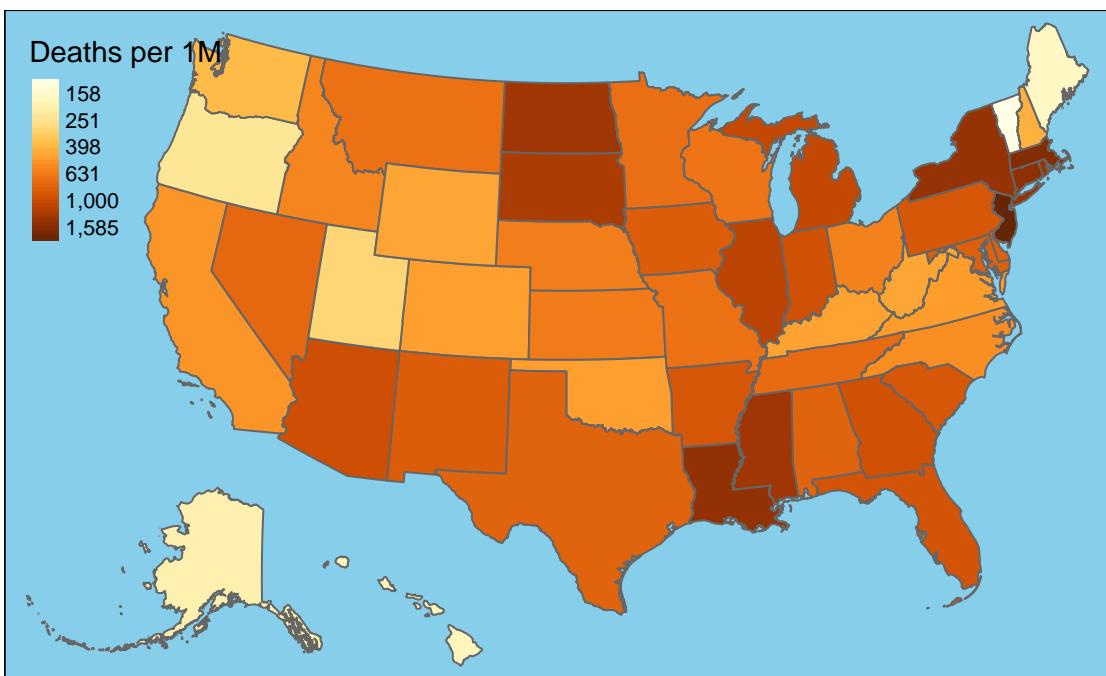
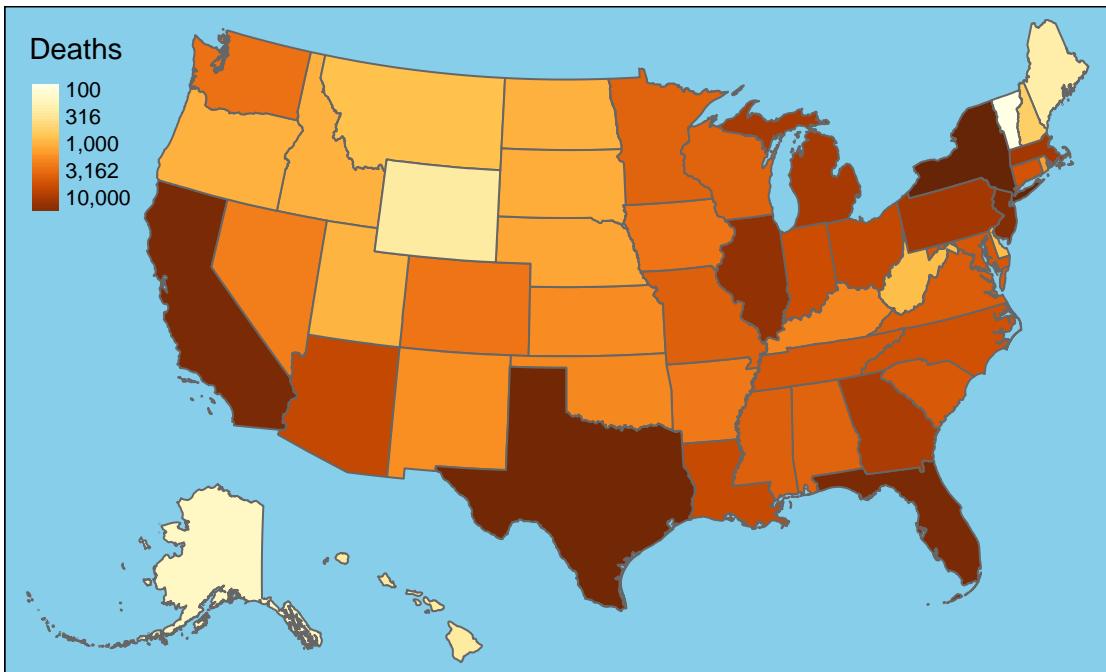


## New Deaths by State



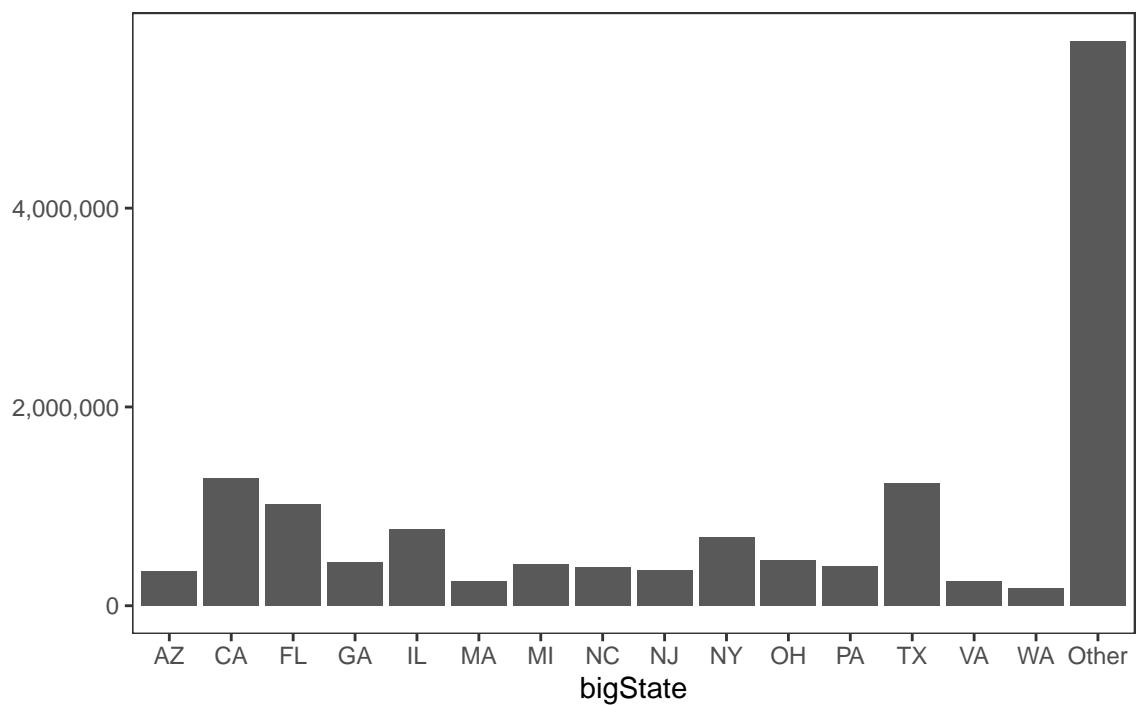
### 7-Day Change in Daily Deaths



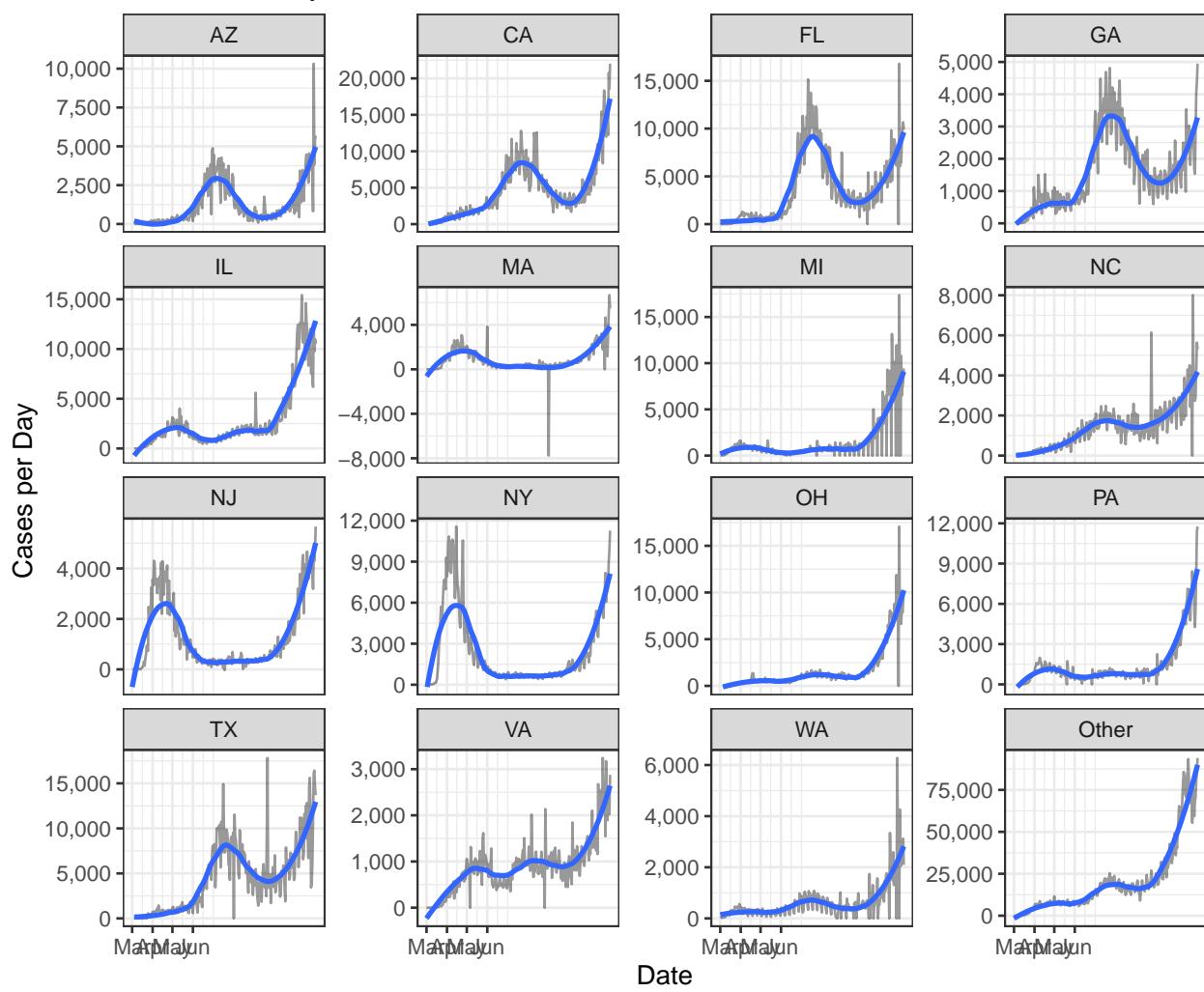


Cases

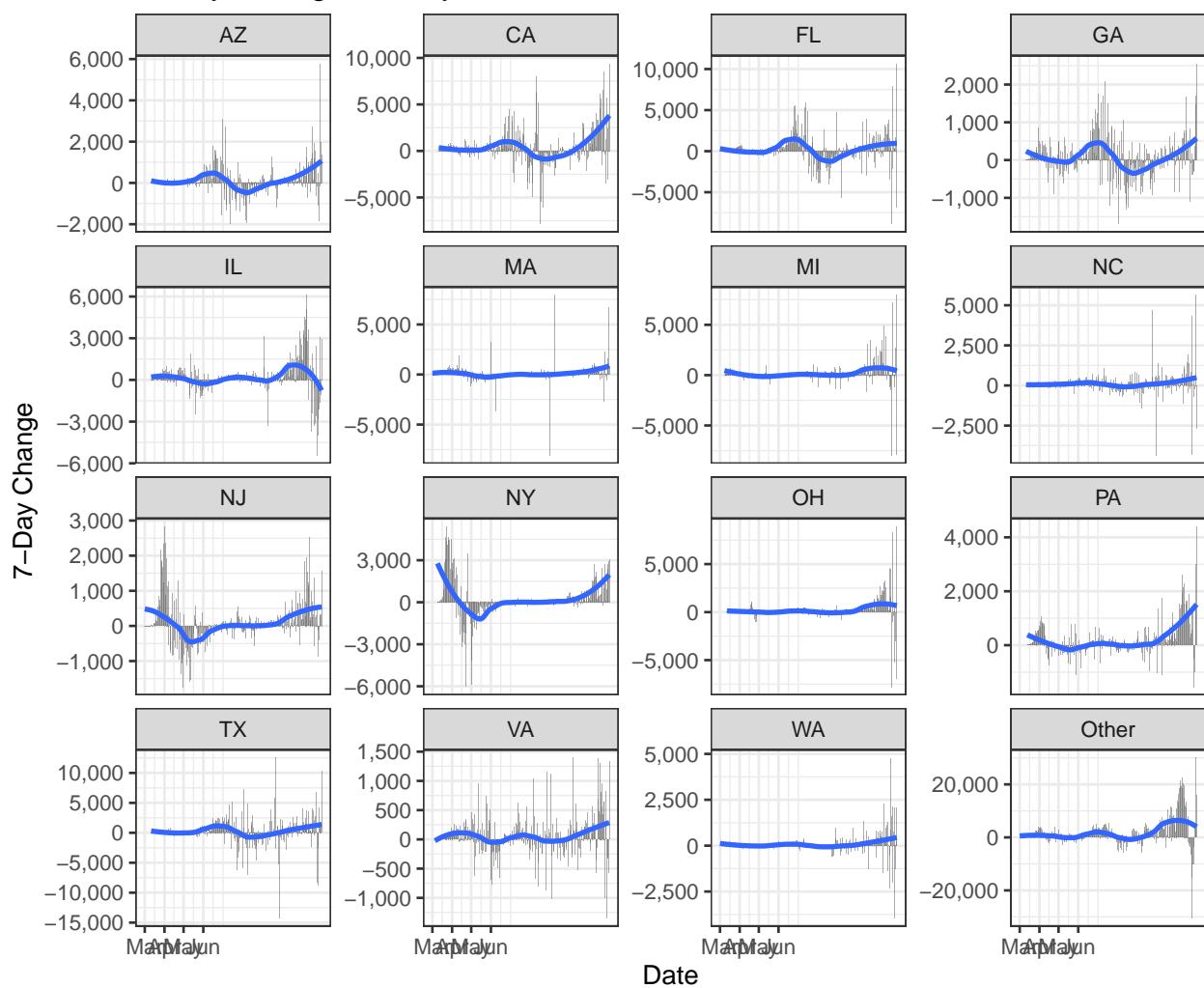
### Cases by State

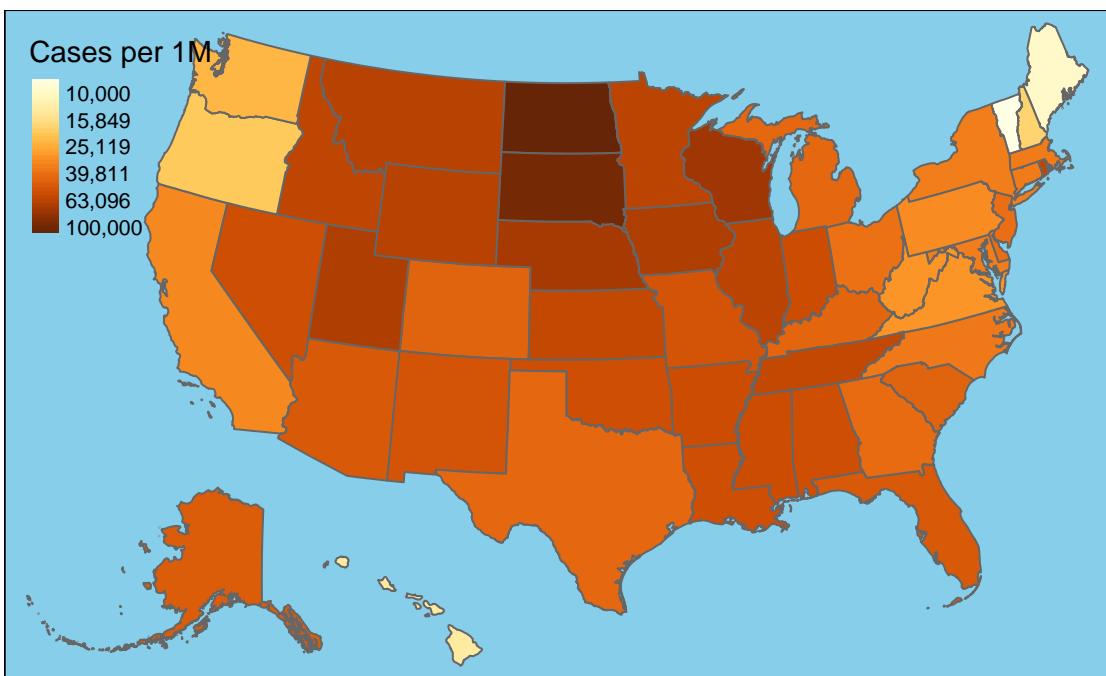
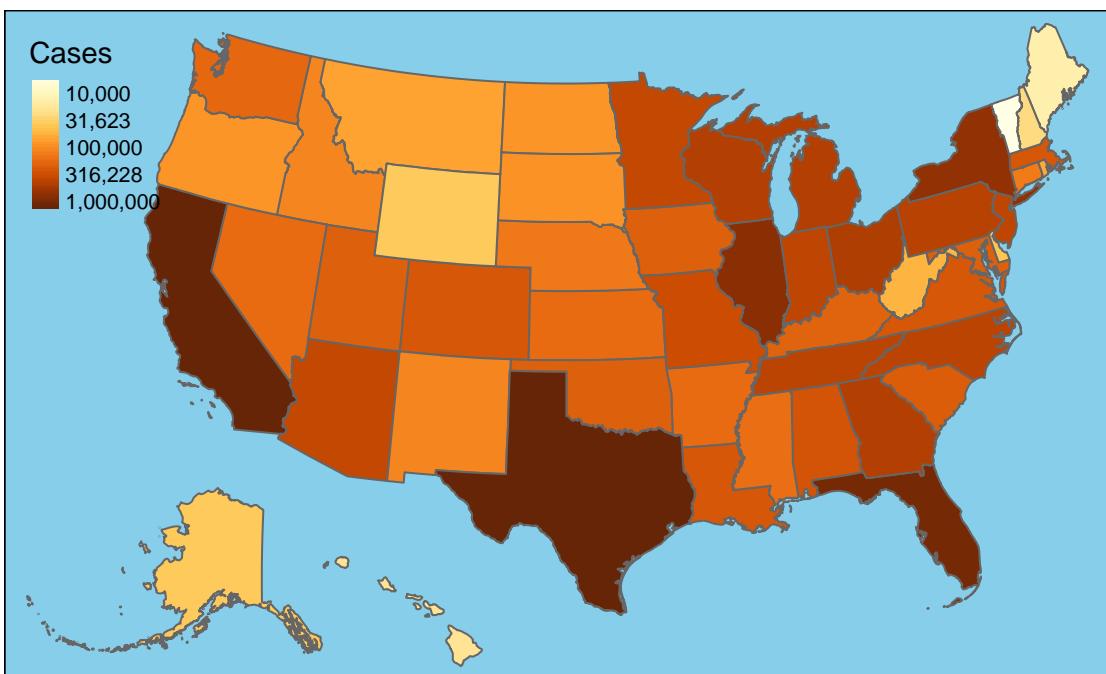


## New Cases by State

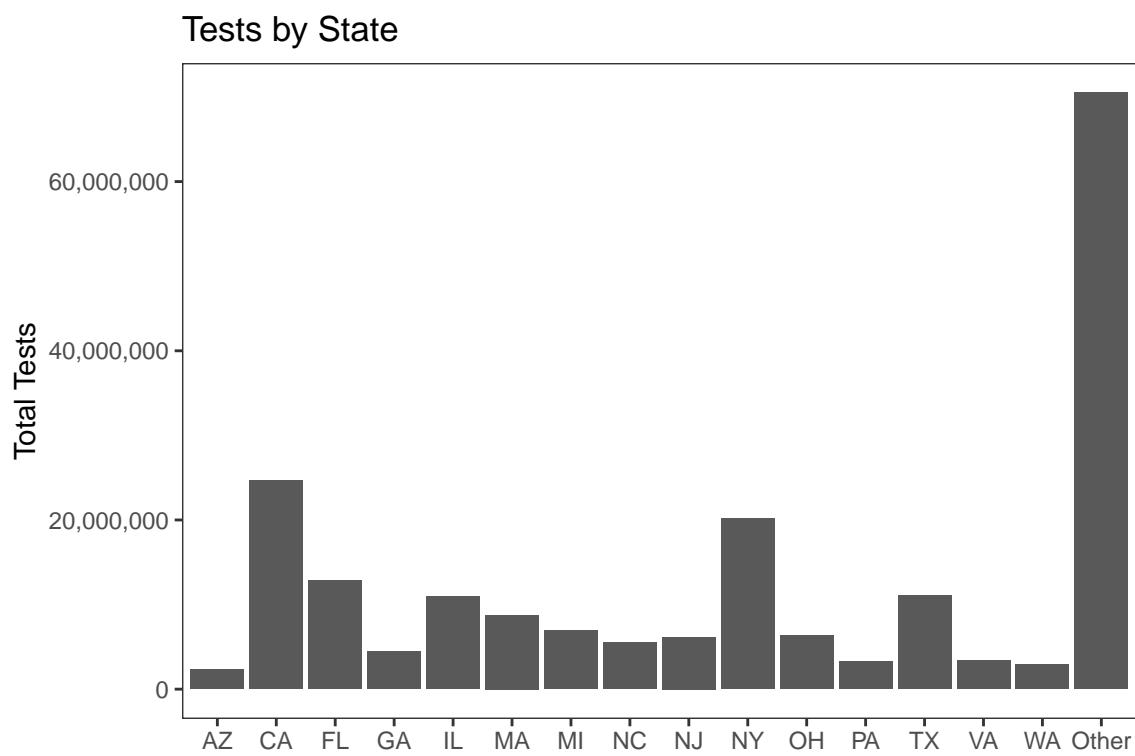


### 7-Day Change in Daily Cases

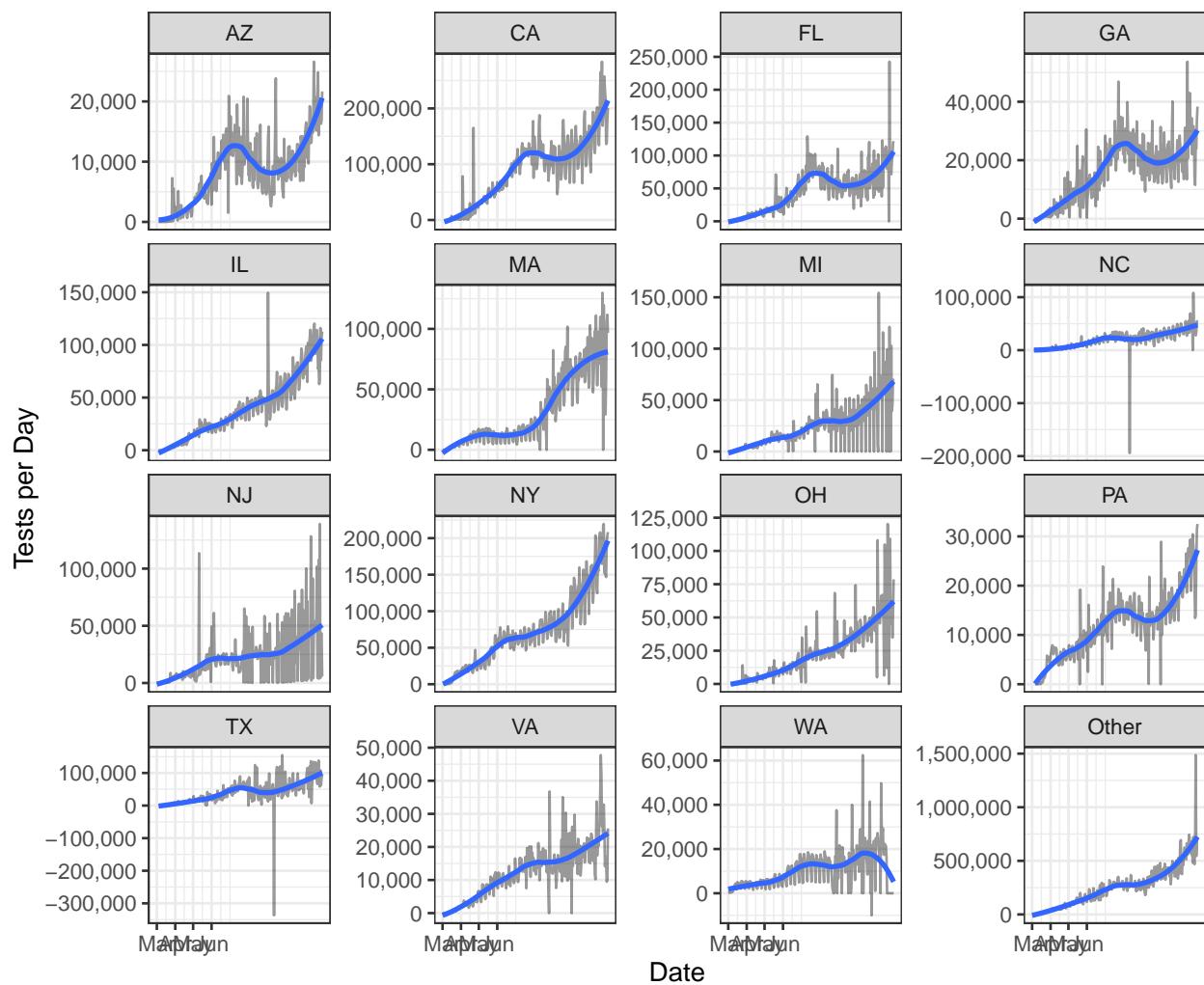


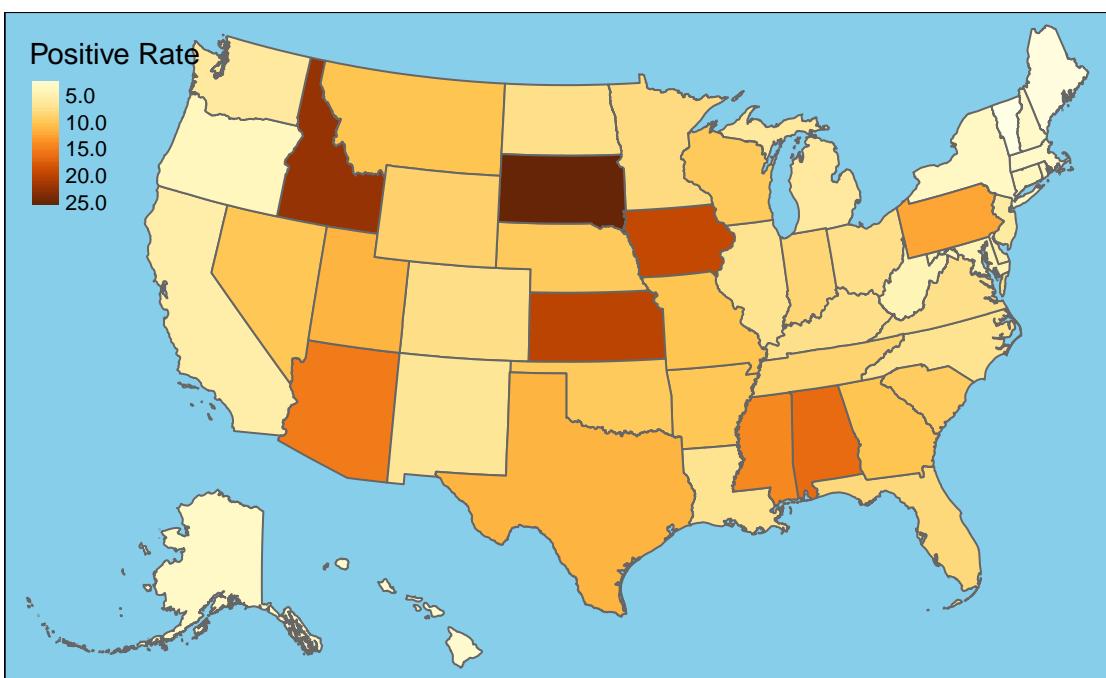
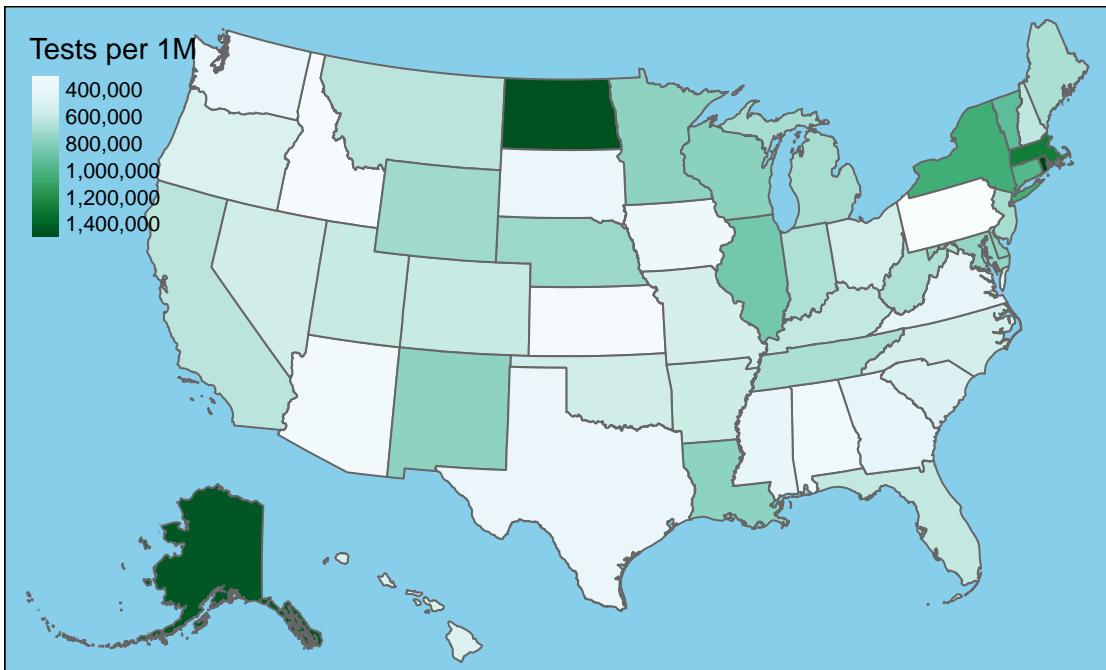


## Testing



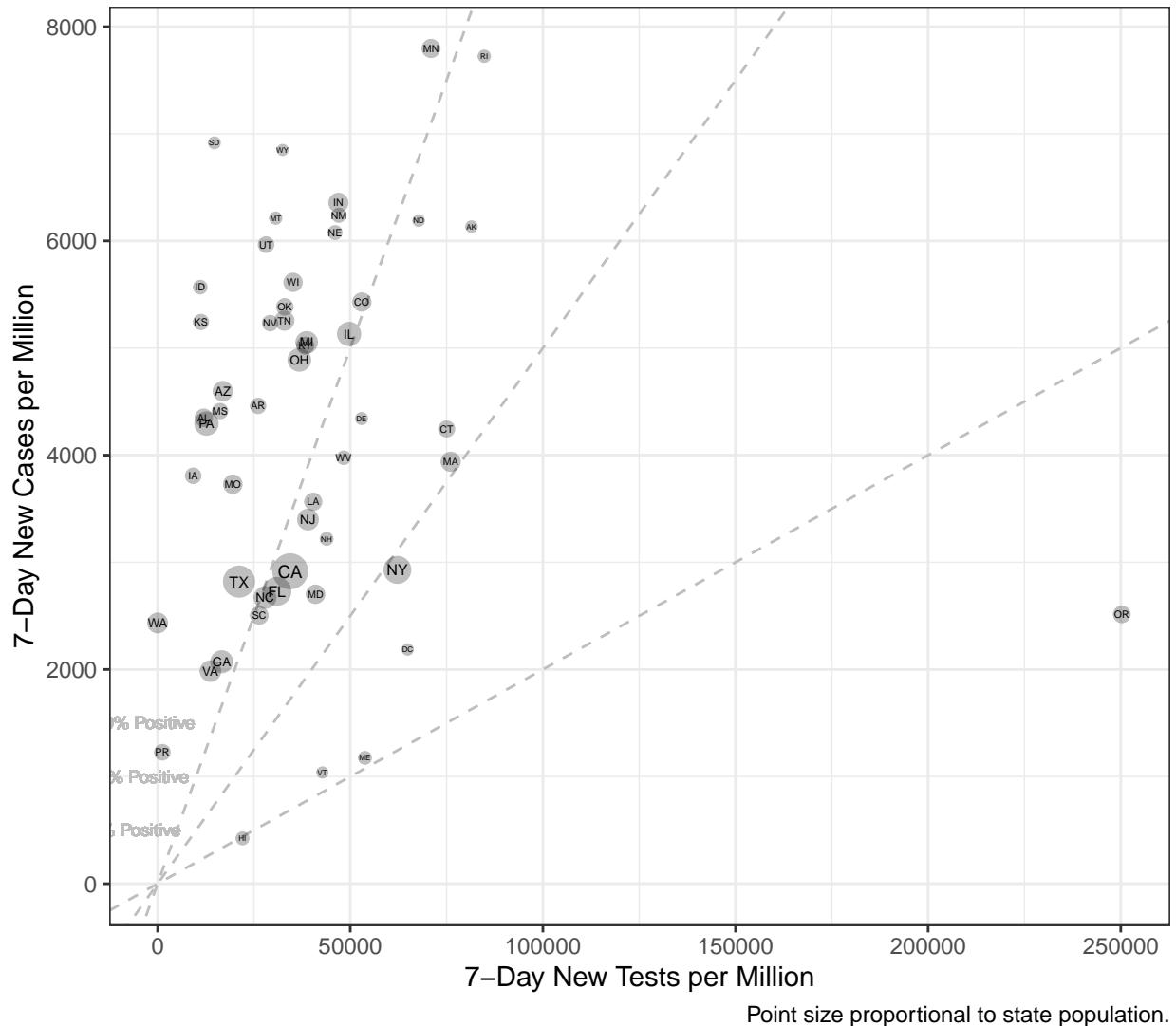
## New Tests by State





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**



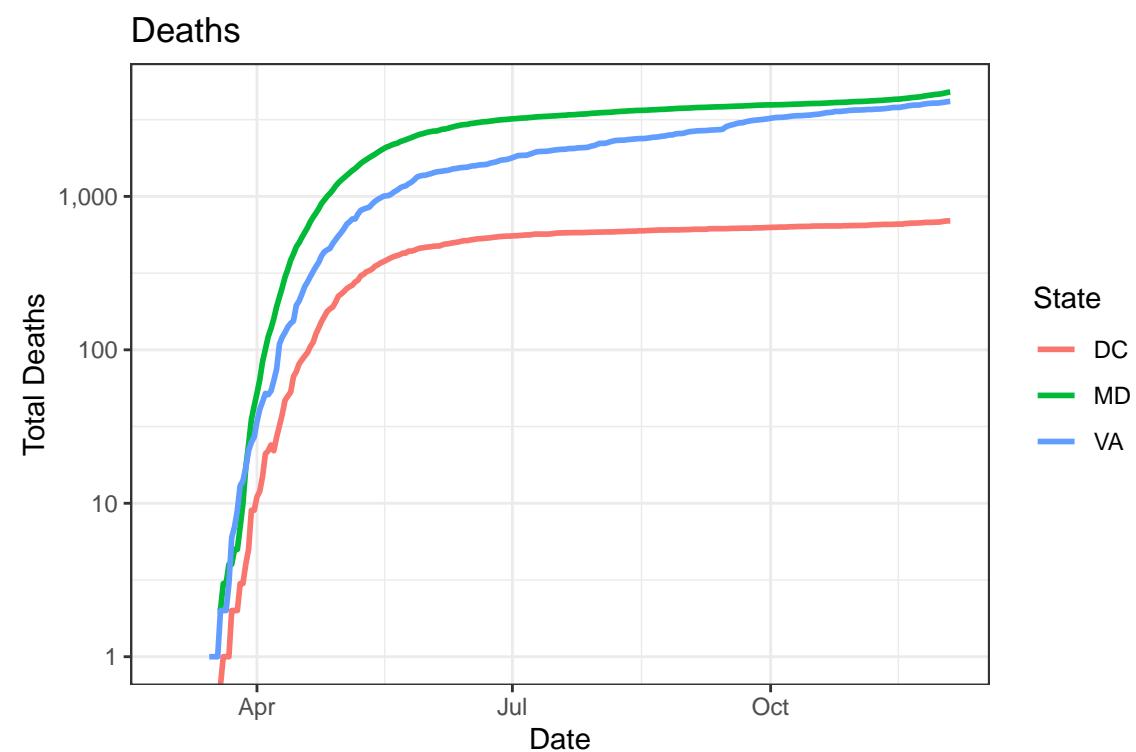
## Local Data

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

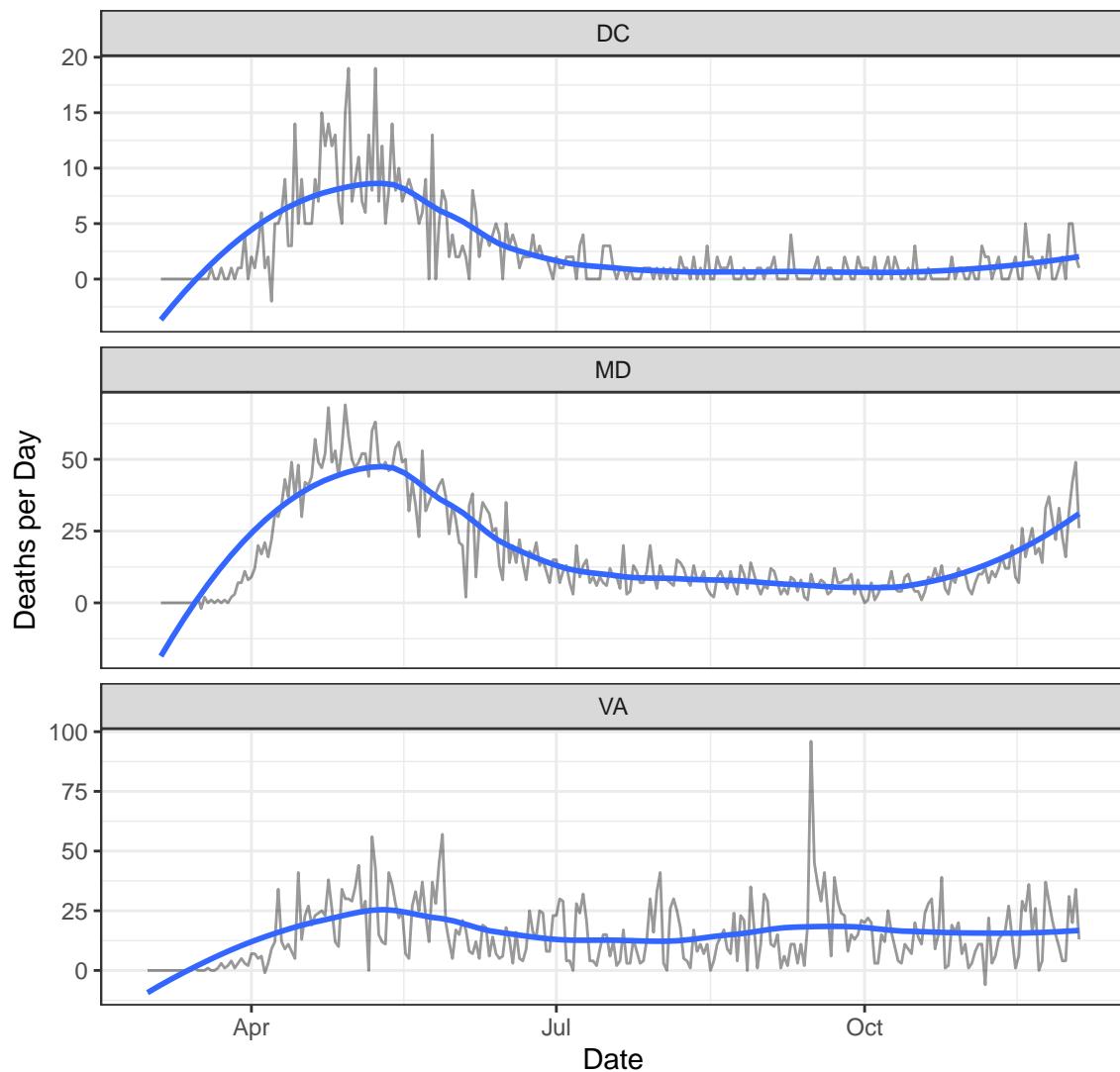
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	22,480	693	316	1
MD	209,191	4,790	3,792	26
VA	247,380	4,160	2,877	13

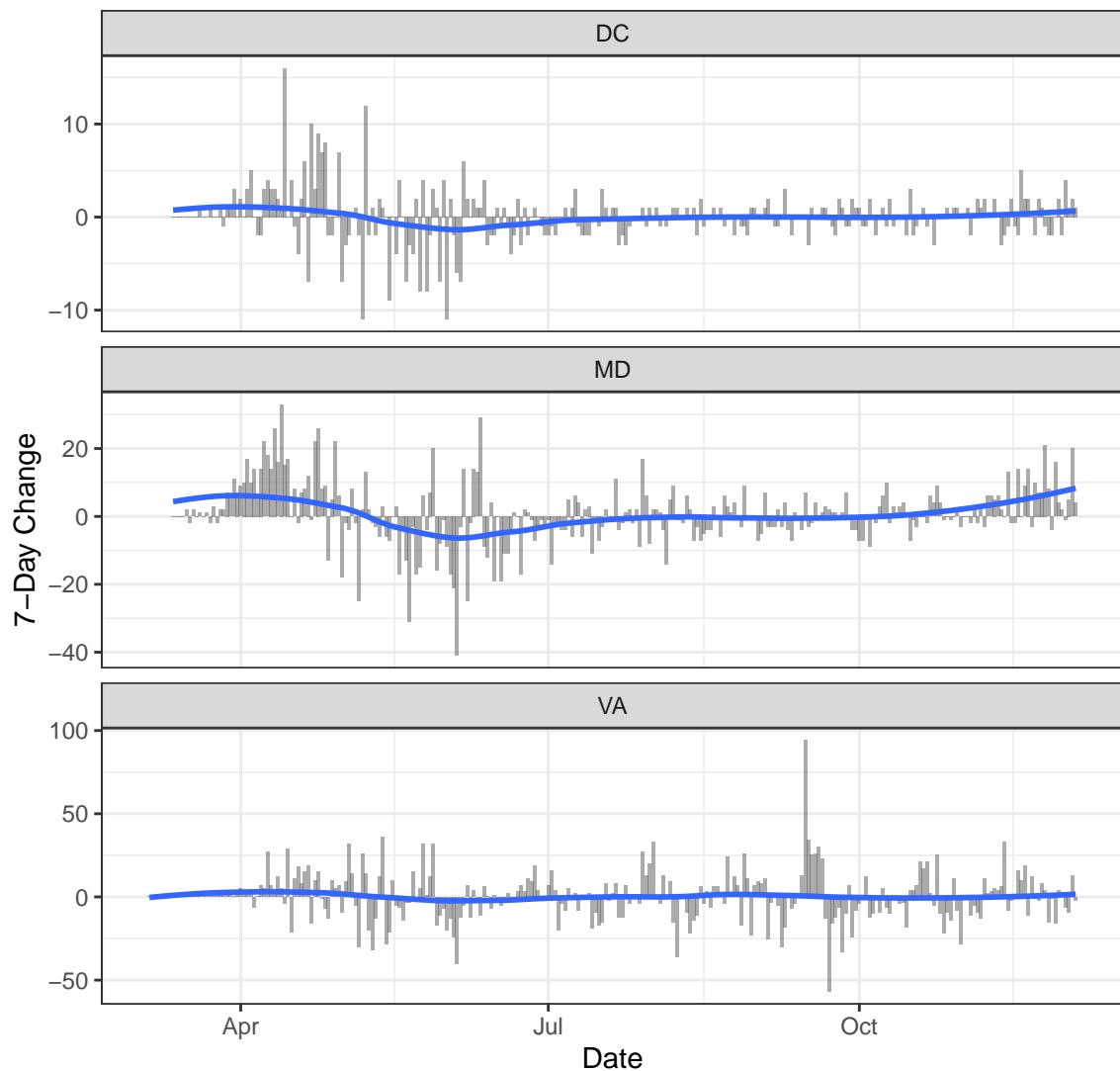
## Deaths

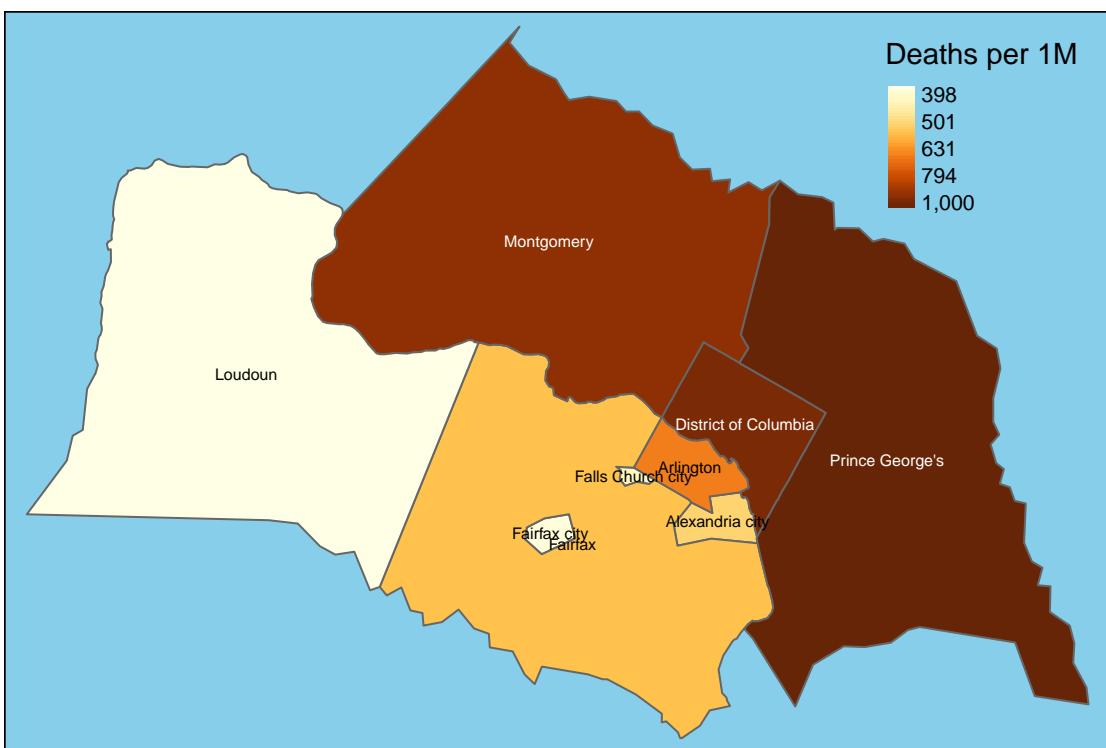
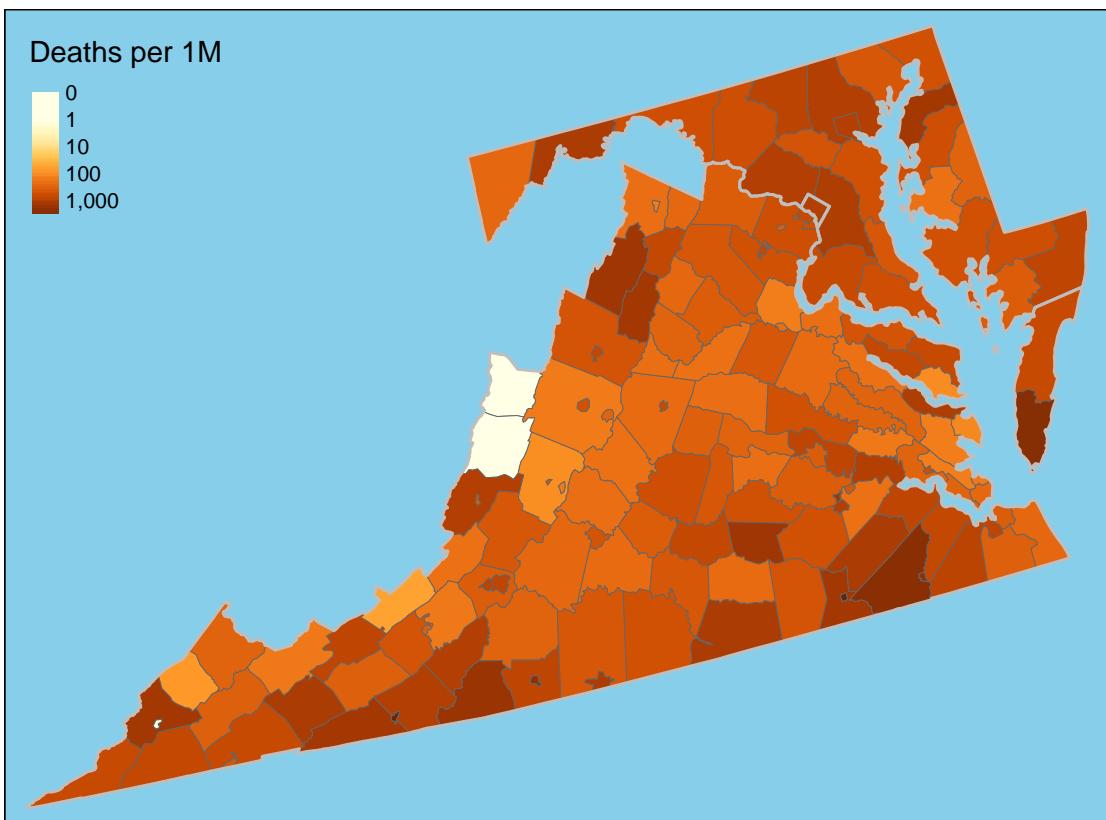


## New Deaths

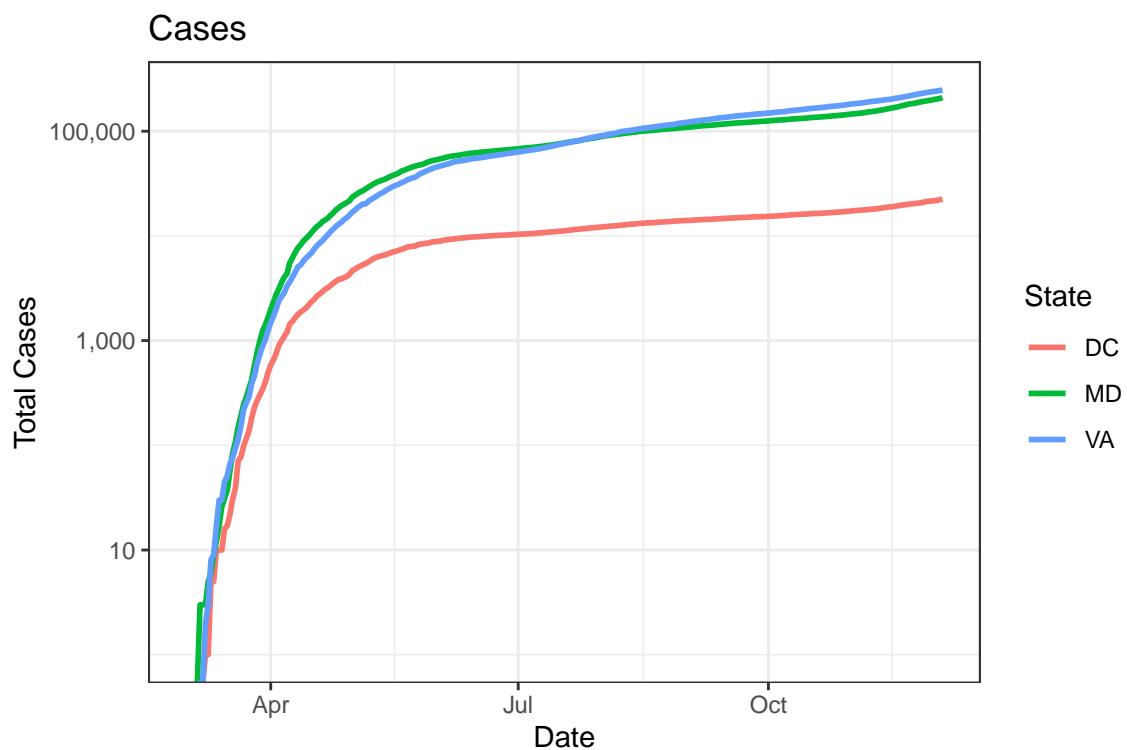


## One-Week Change in Daily Deaths

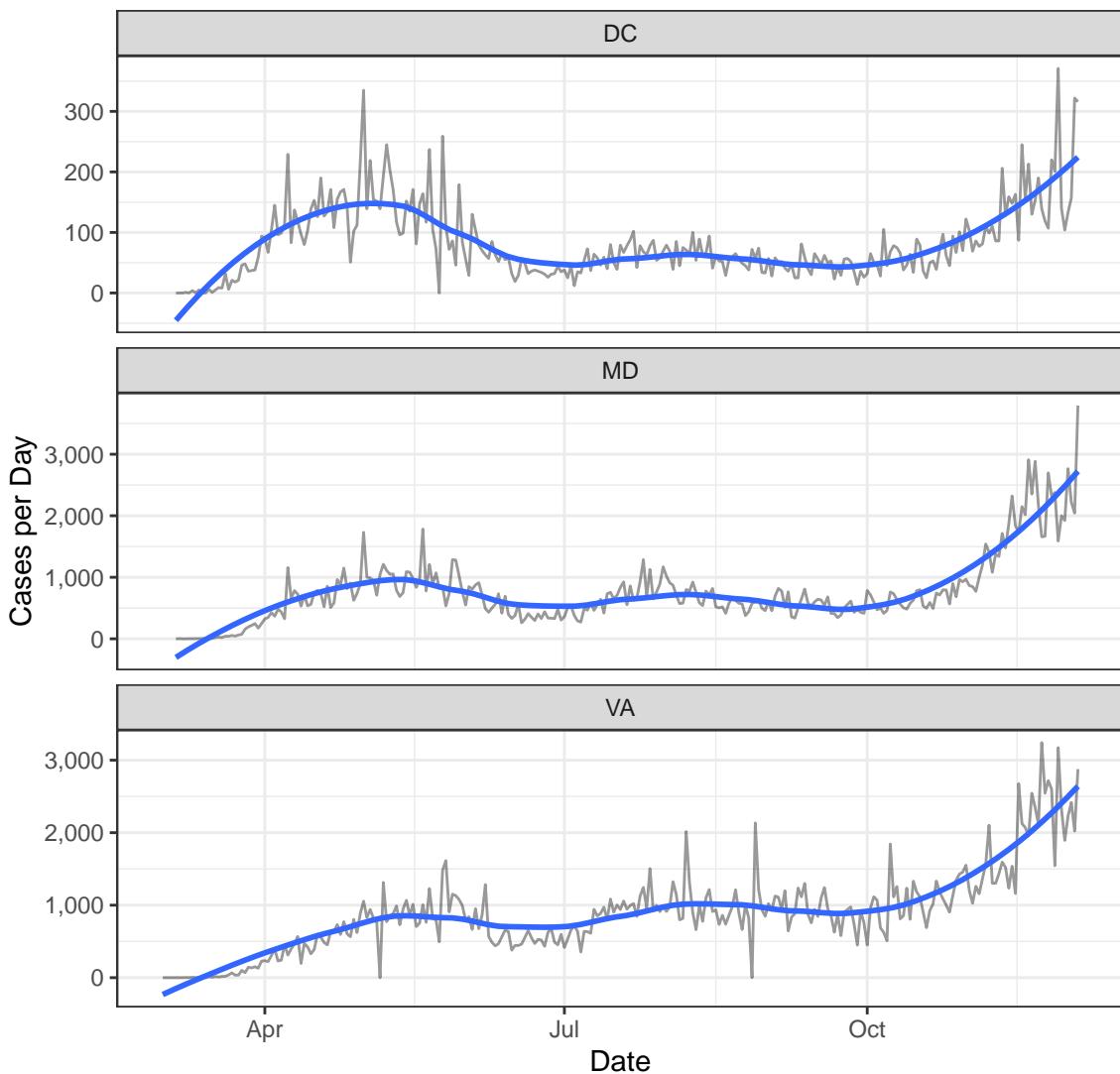




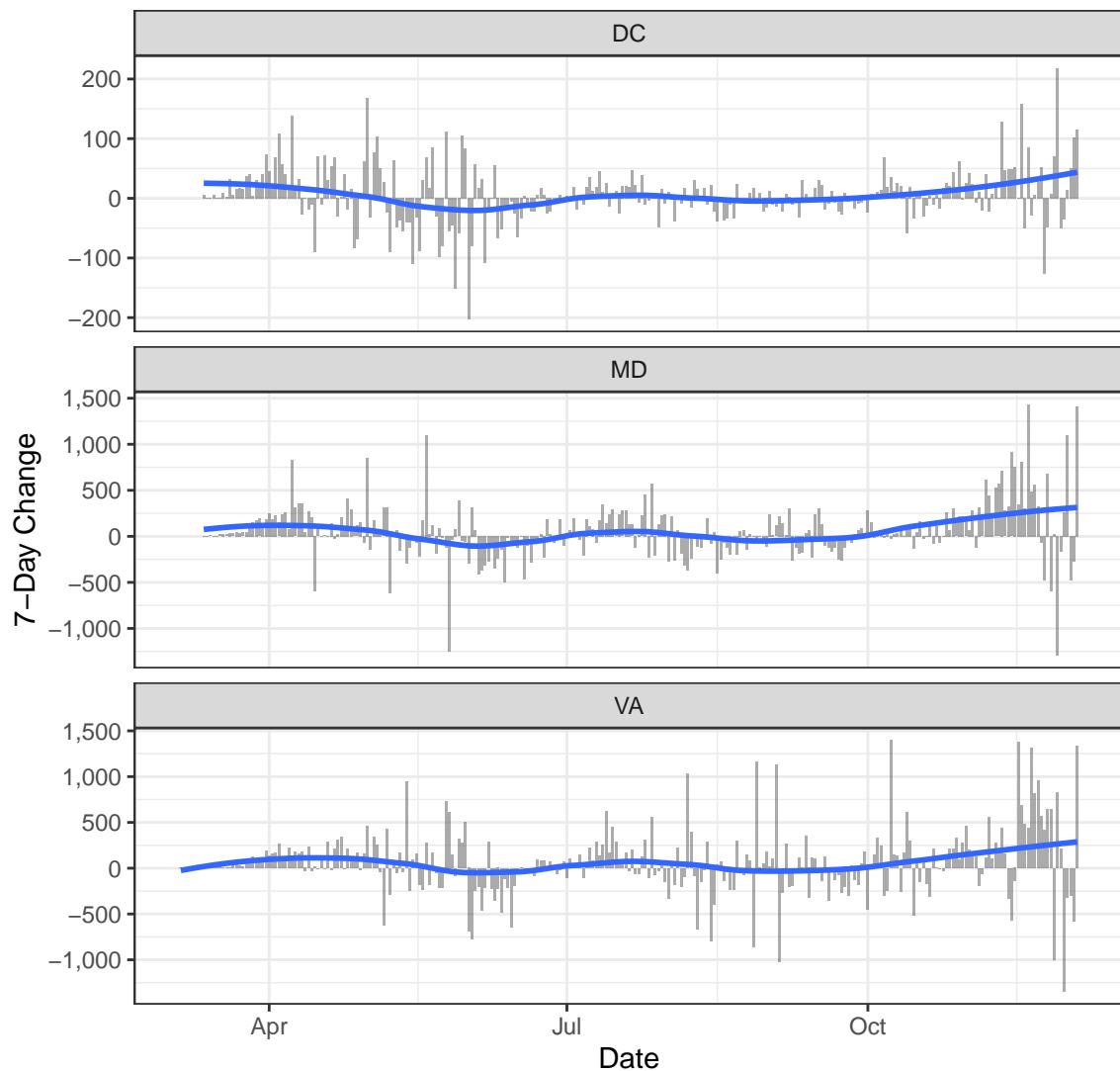
Cases

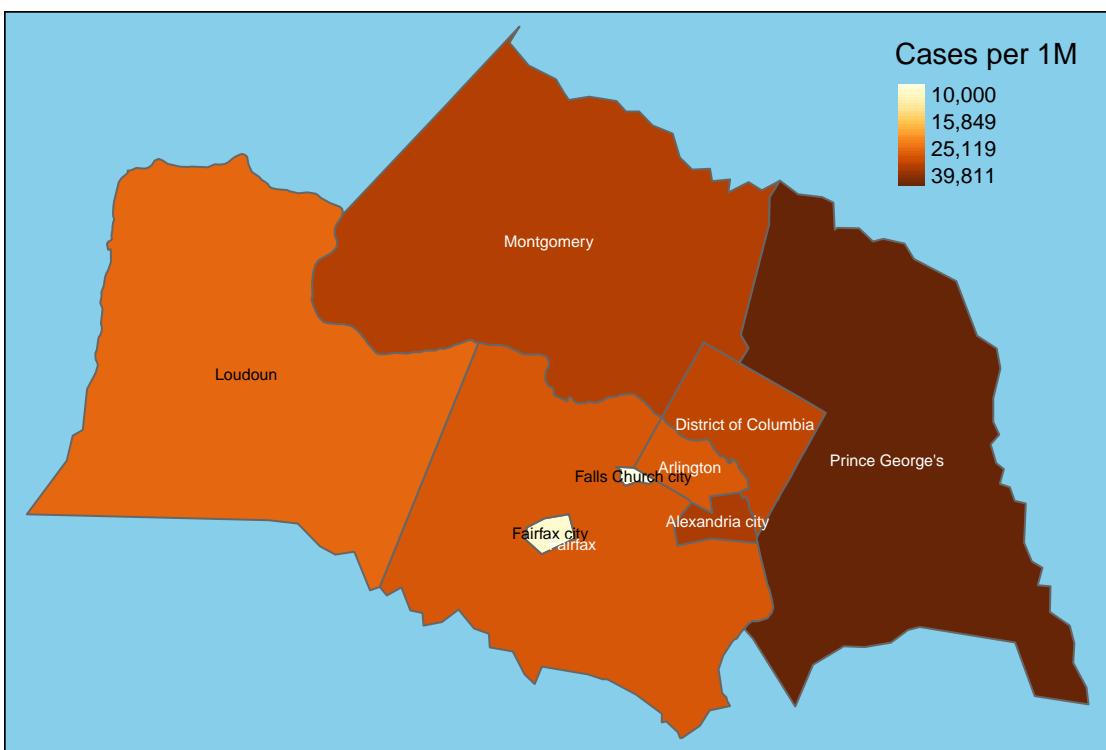
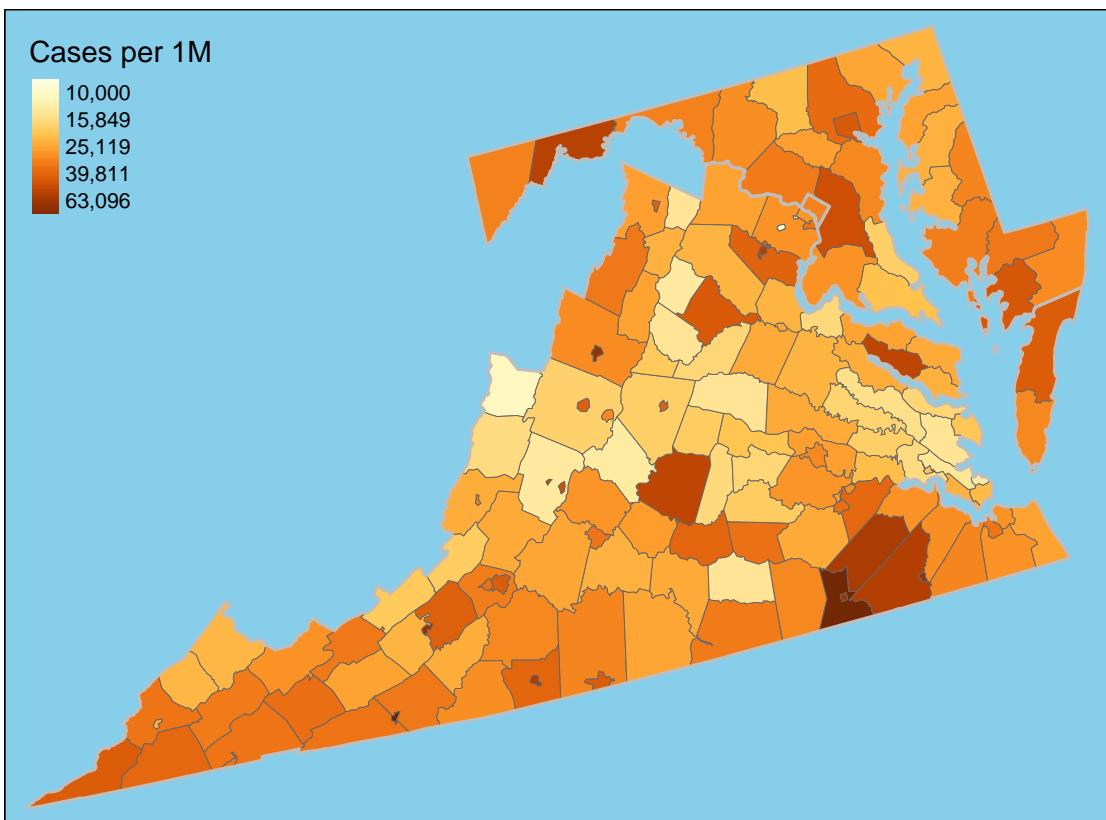


## New Cases

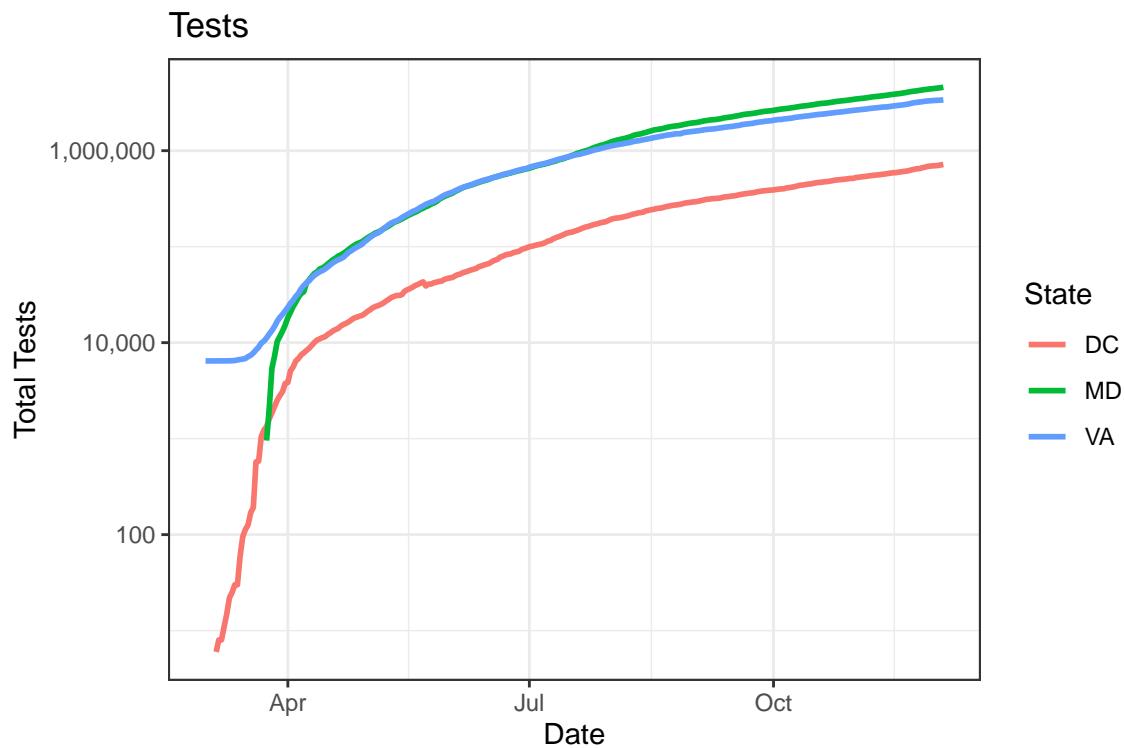


### One-Week Change in Daily Cases

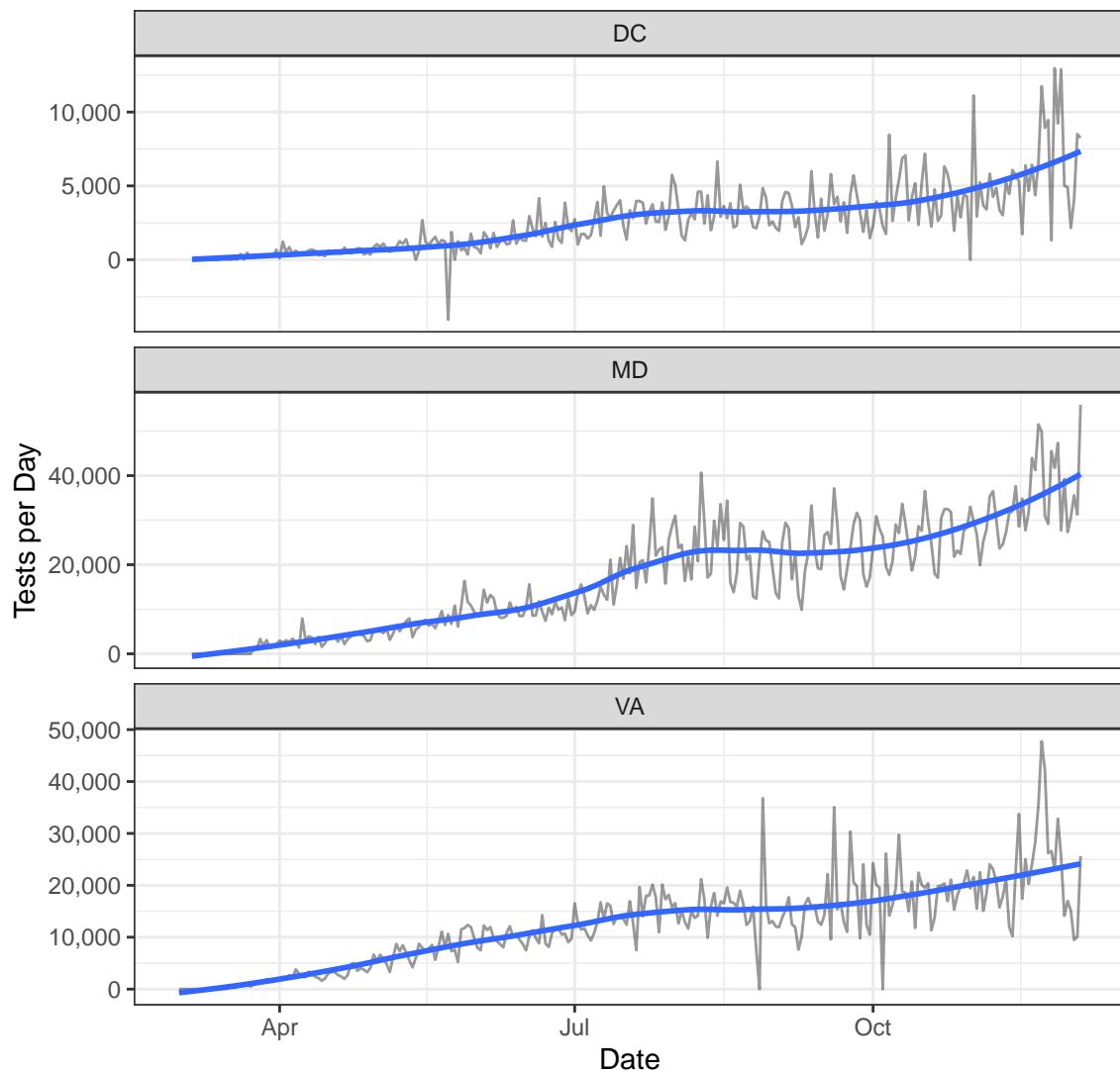




## Testing



## New Tests



## Positive Test Rate

