

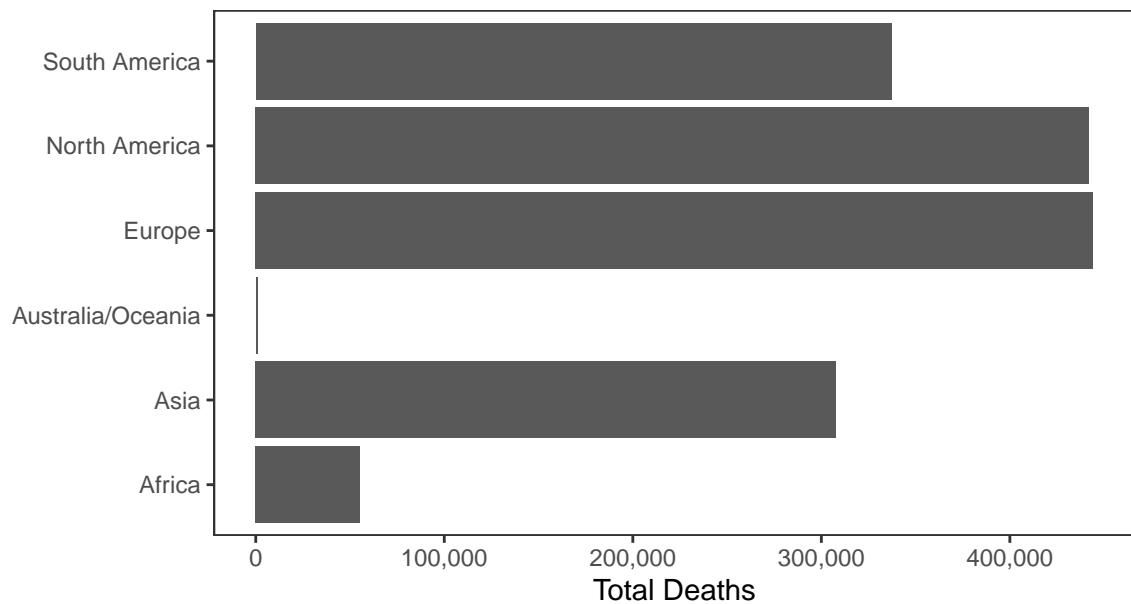
# Erik's Covid-19 Chart Pack

Data updated 2020-12-11 08:11:13. 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 70,700,289 confirmed Covid-19 cases and 1,587,665 deaths worldwide.

**Deaths**



**Cases**

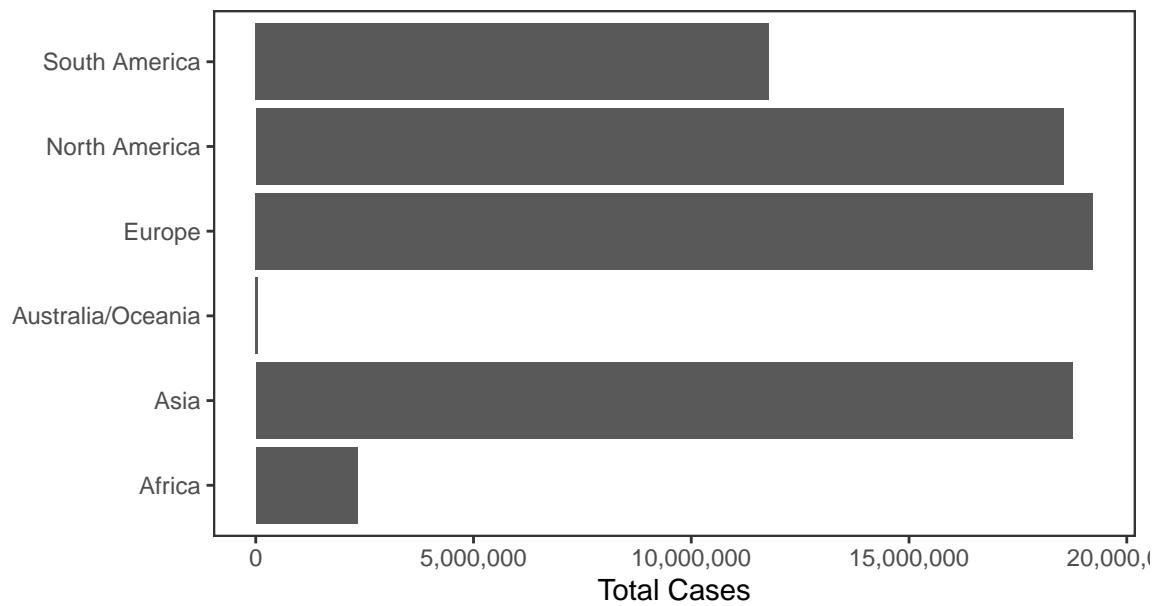
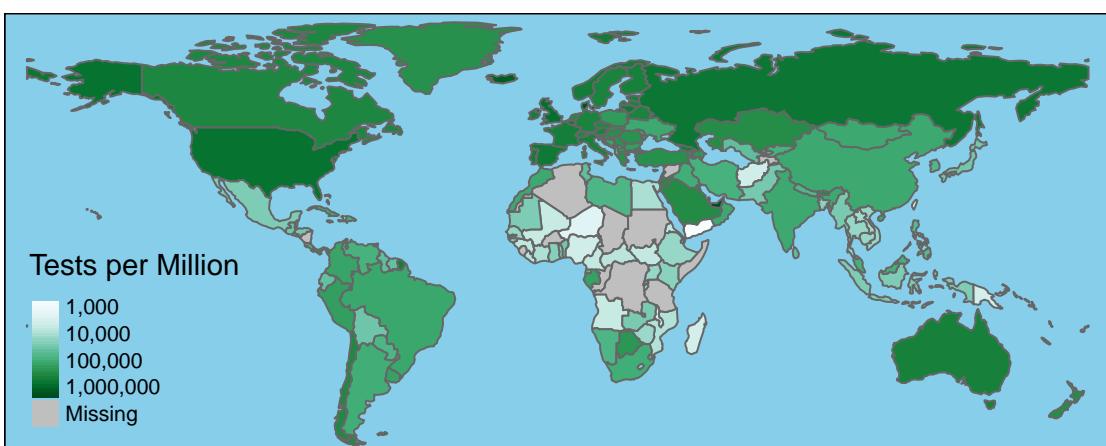
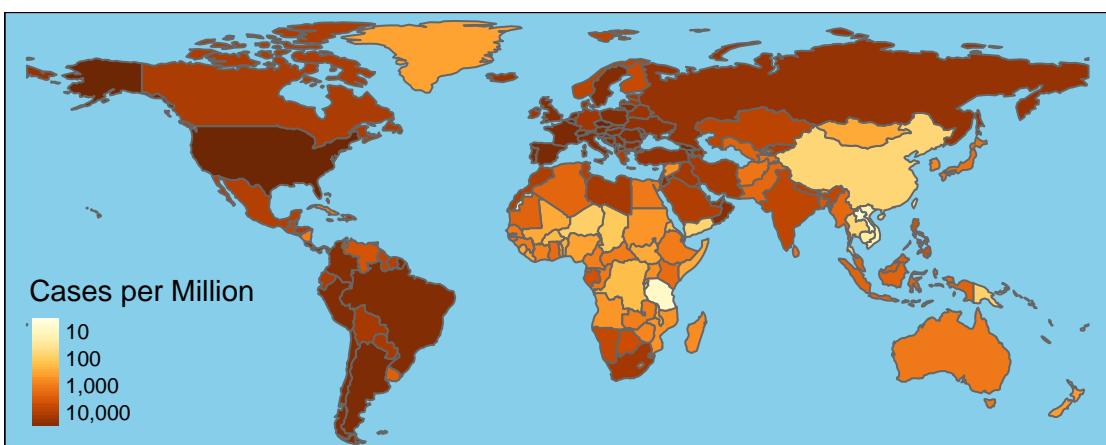
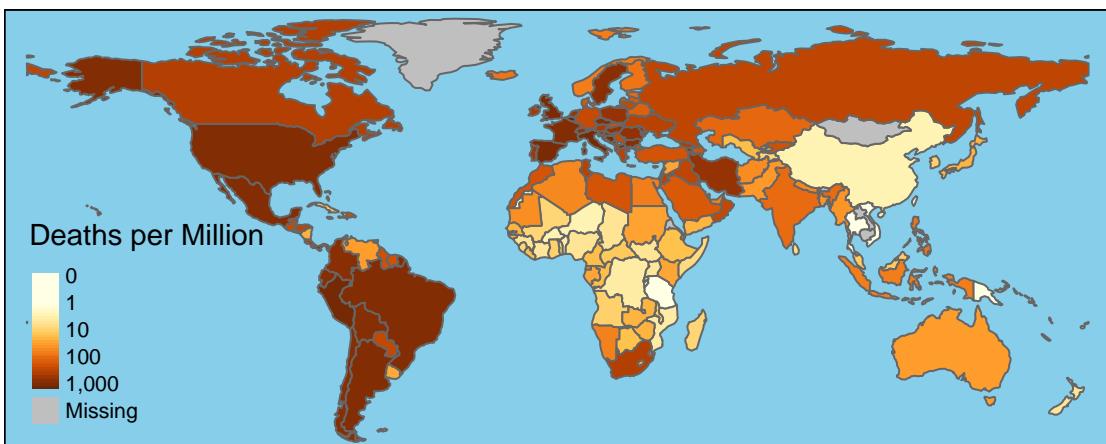


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	16,039,393	299,692	217,779	2,974
India	9,796,992	142,222	34,666	487
Brazil	6,783,543	179,801	53,425	769
Russia	2,569,126	45,280	27,927	562
France	2,337,966	56,940	13,750	292
UK	1,787,783	63,082	20,964	516
Italy	1,787,147	62,626	16,999	887
Turkey	1,748,567	15,751	30,424	220
Spain	1,734,386	47,344	4,595	325
Argentina	1,482,216	40,431	6,994	209
Colombia	1,399,911	38,484	7,778	176
Germany	1,270,432	21,233	28,179	529
Mexico	1,205,229	111,655	11,974	781
Poland	1,102,091	21,630	13,744	470
Iran	1,083,023	51,495	10,403	283
Peru	979,111	36,499	1,799	44
Ukraine	858,714	14,470	13,371	266
South Africa	836,764	22,747	8,166	173
Indonesia	598,933	18,336	6,033	165
Belgium	597,643	17,603	3,071	96



## National Data

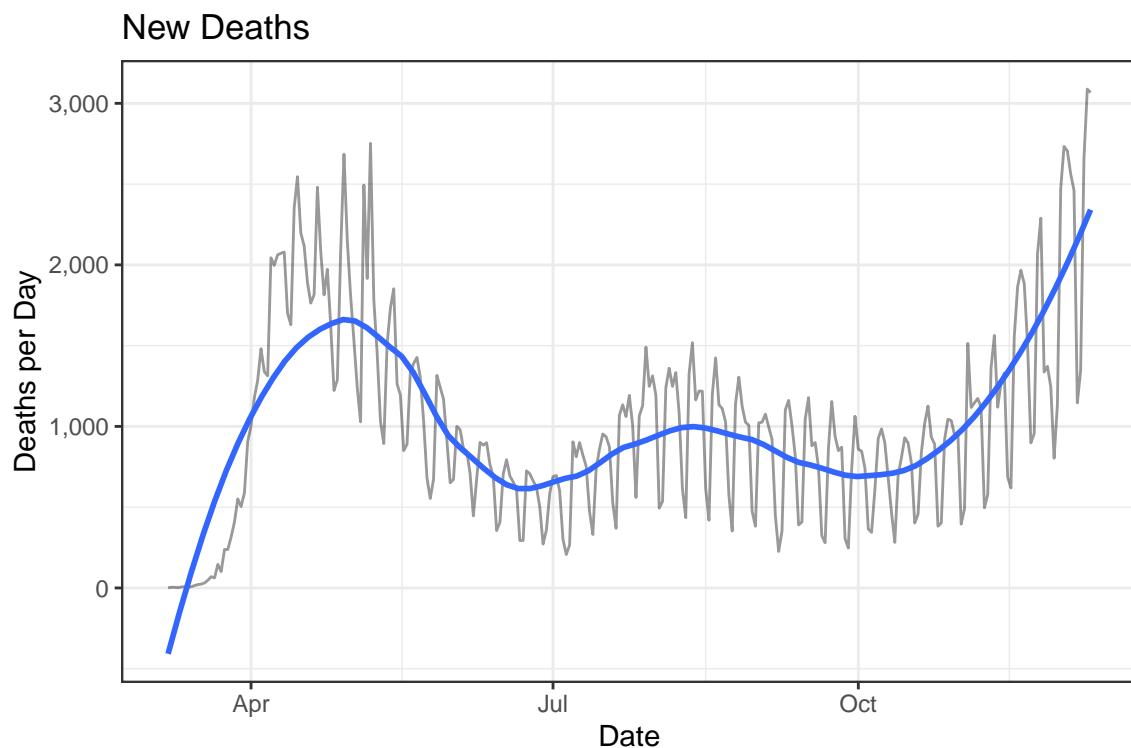
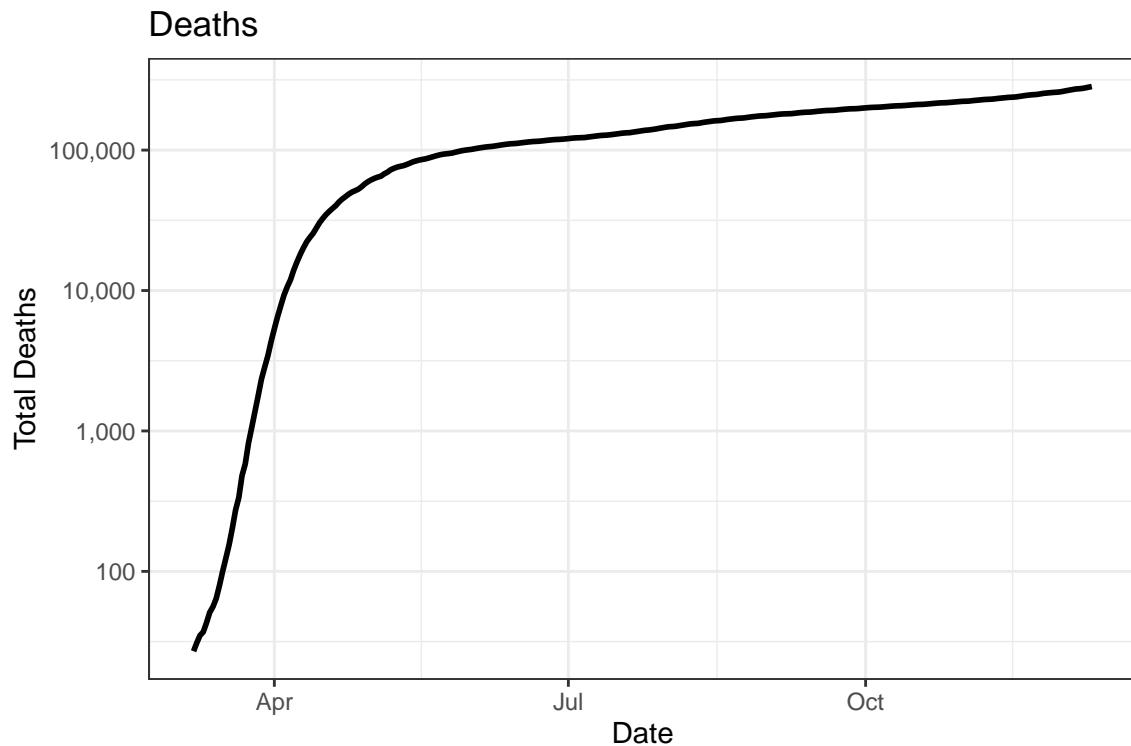
There have been 15,360,841 confirmed Covid-19 cases and 283,555 deaths in the United States.

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

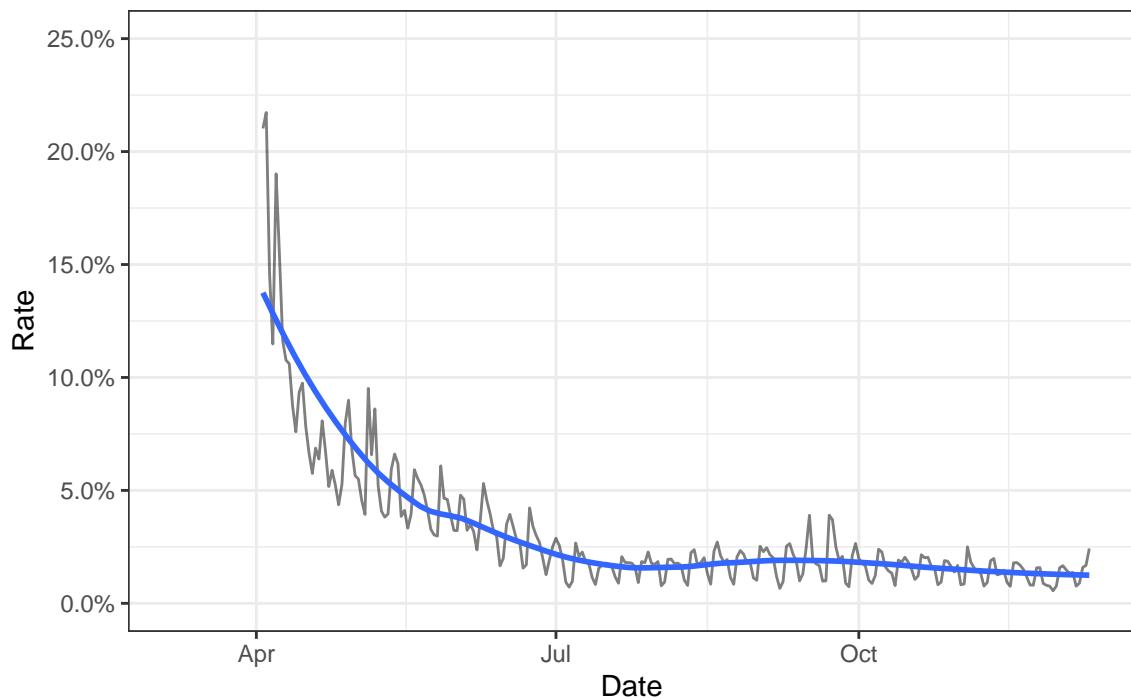
Date	Cases	Deaths	New Cases	New Deaths
2020-12-10	15,360,841	283,555	215,669	3,067
2020-12-09	15,145,172	280,488	211,020	3,088
2020-12-08	14,934,152	277,400	215,335	2,655
2020-12-07	14,718,817	274,745	180,219	1,347
2020-12-06	14,538,598	273,398	177,812	1,146
2020-12-05	14,360,786	272,252	212,940	2,461
2020-12-04	14,147,846	269,791	224,878	2,563
2020-12-03	13,922,968	267,228	210,251	2,706
2020-12-02	13,712,717	264,522	195,867	2,733
2020-12-01	13,516,850	261,789	176,816	2,473
2020-11-30	13,340,034	259,316	147,588	1,136
2020-11-29	13,192,446	258,180	135,244	803
2020-11-28	13,057,202	257,377	154,614	1,245
2020-11-27	12,902,588	256,132	193,686	1,372

## Deaths

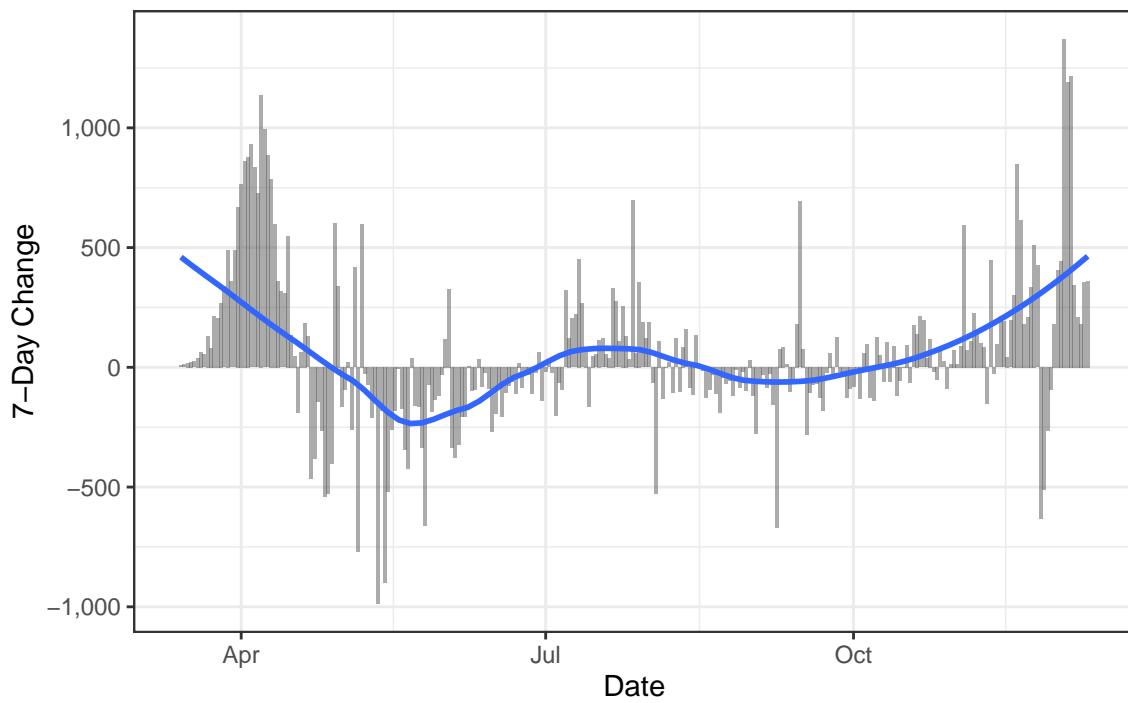
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

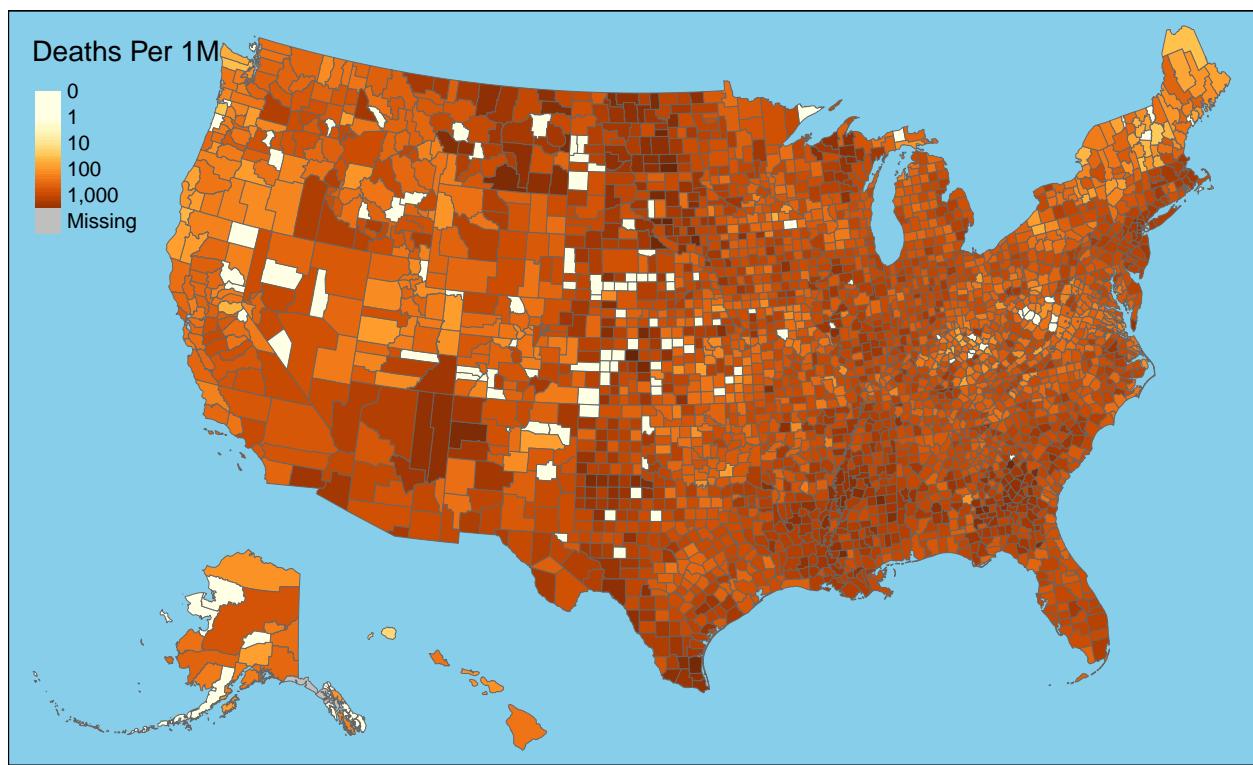


Daily Case Mortality Rate



One-Week Change in Daily Deaths

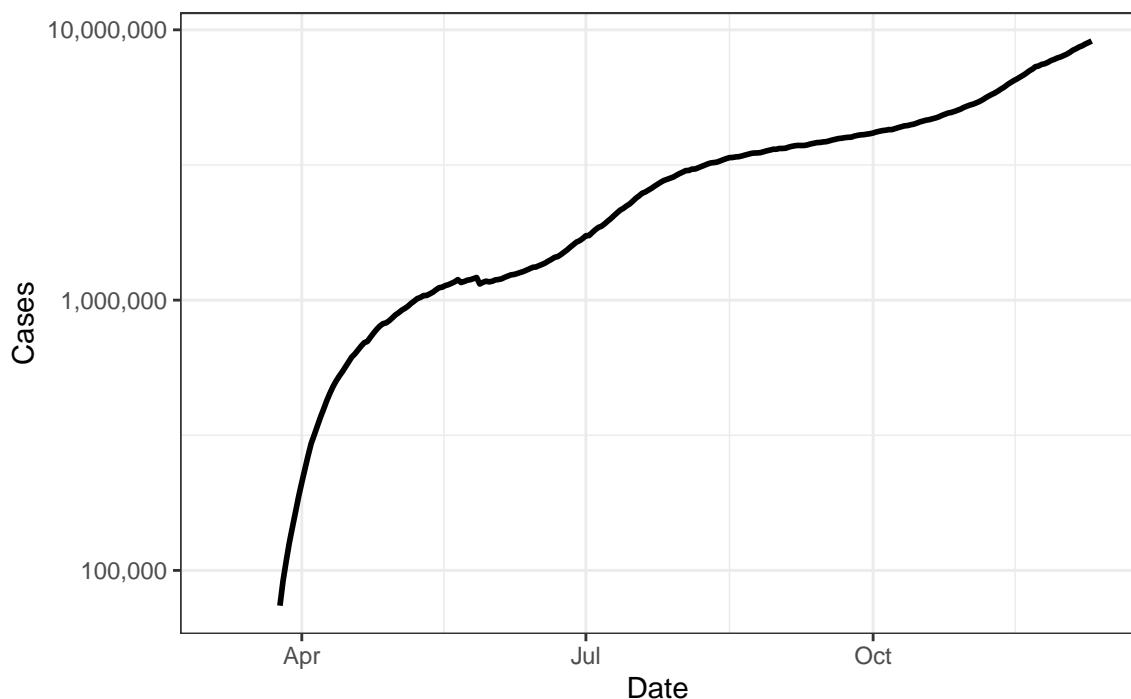




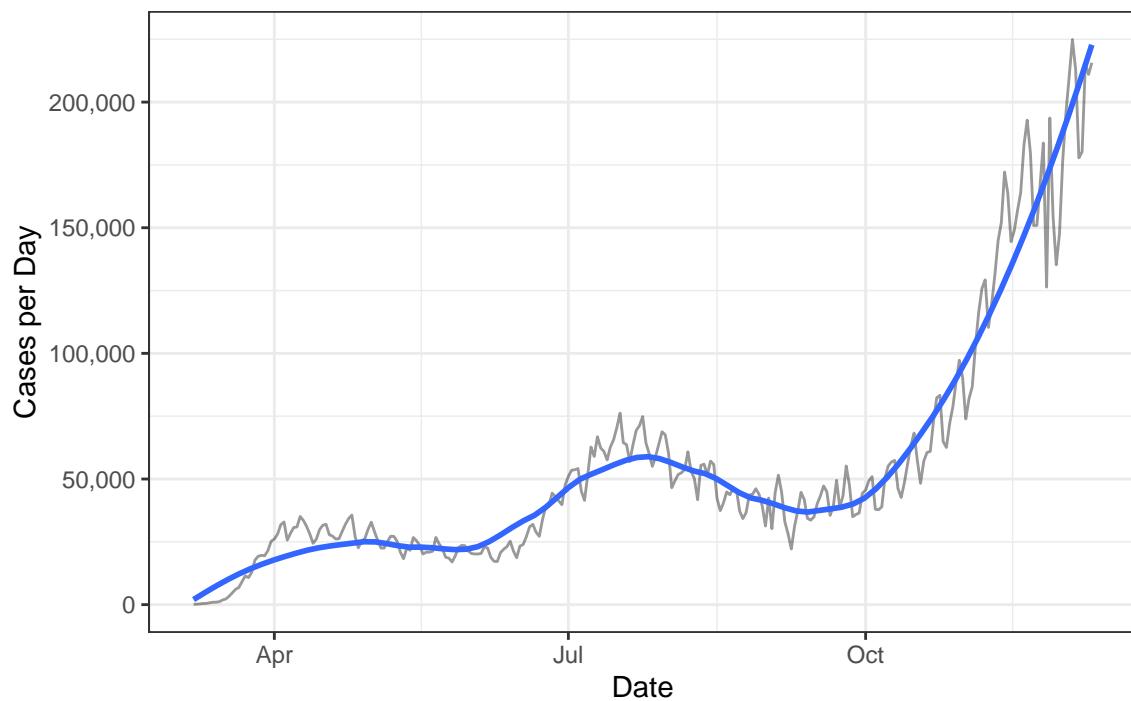
## Cases

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

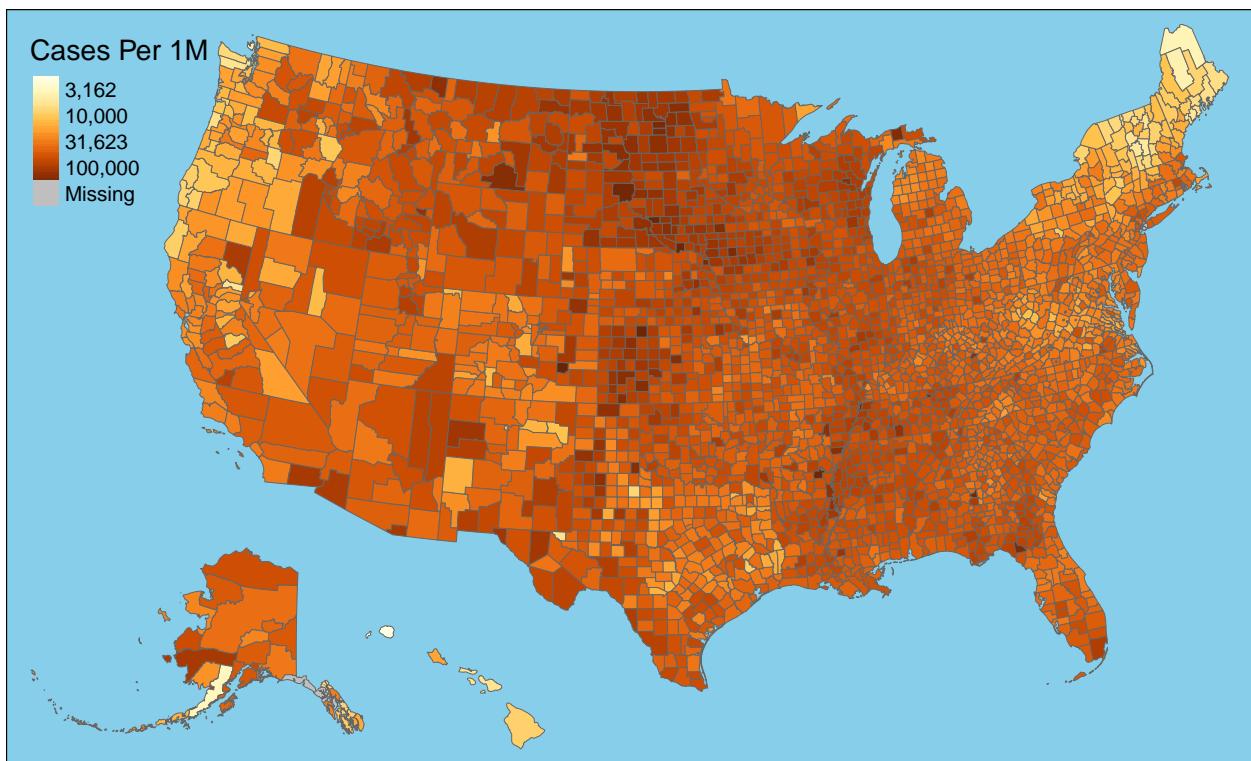
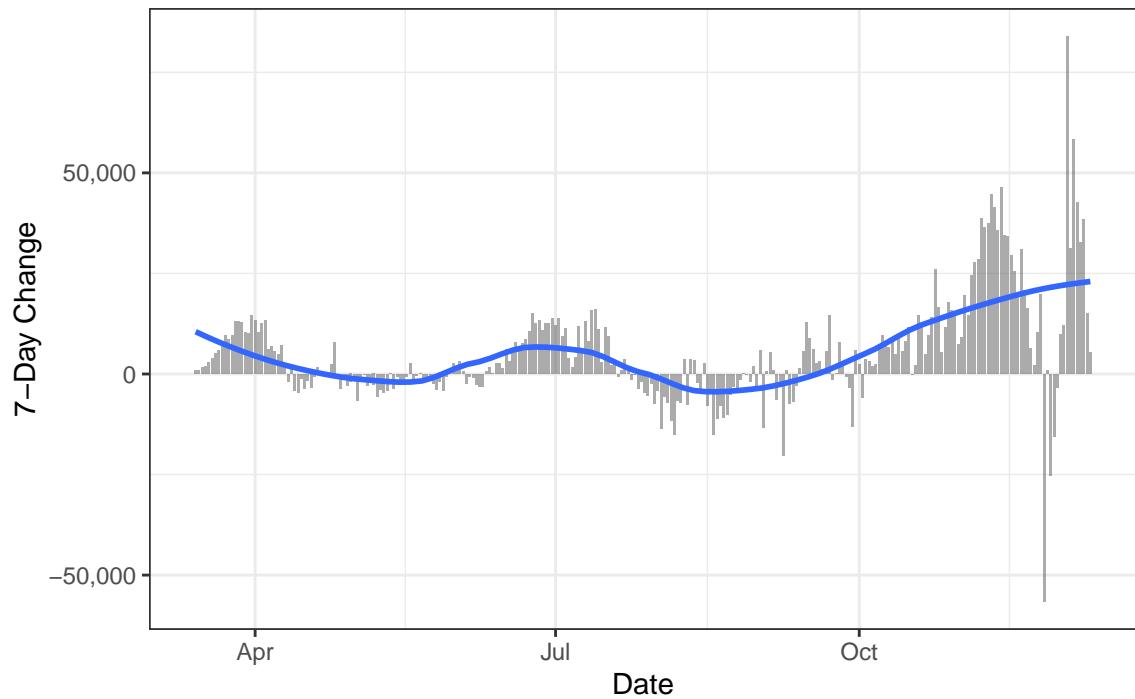
### Active Cases



### New Cases

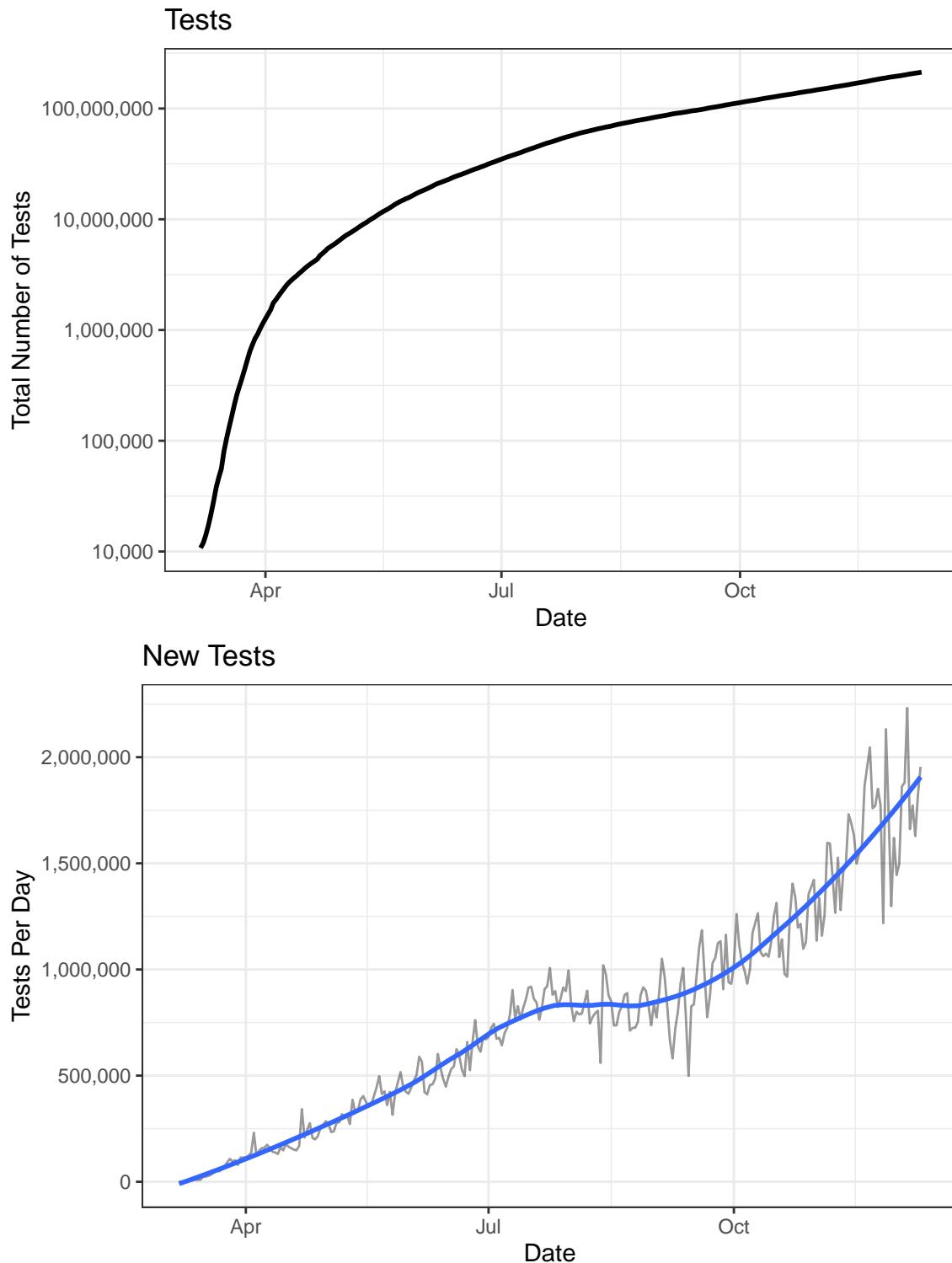


## One-Week Change in Daily Cases

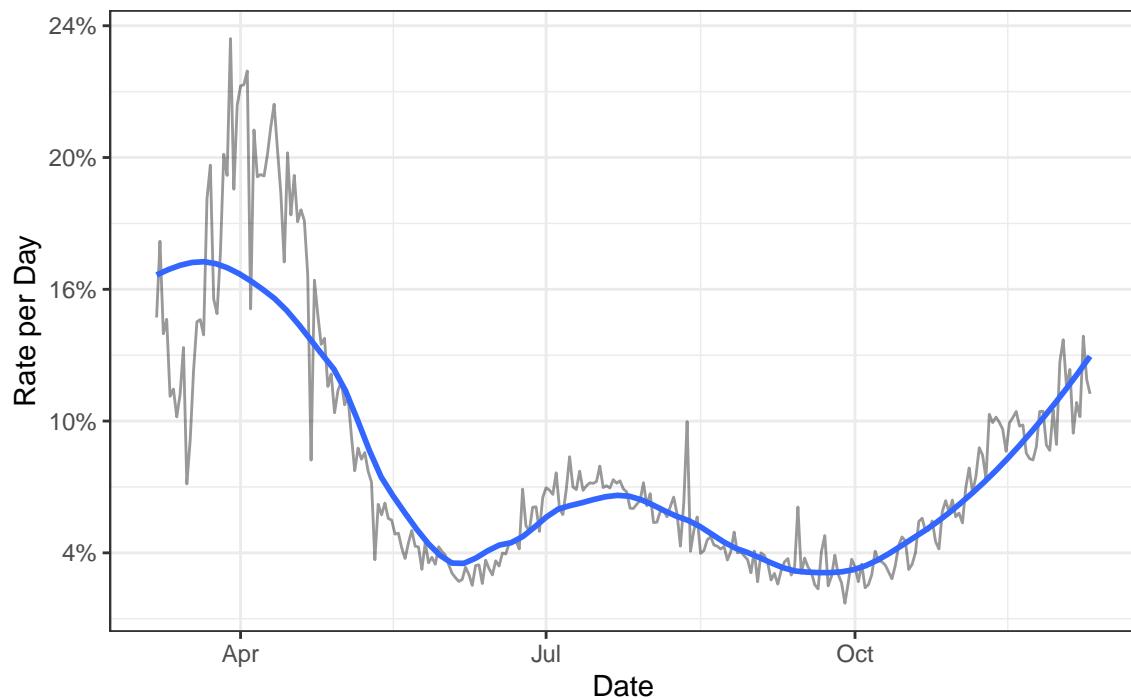


## Testing

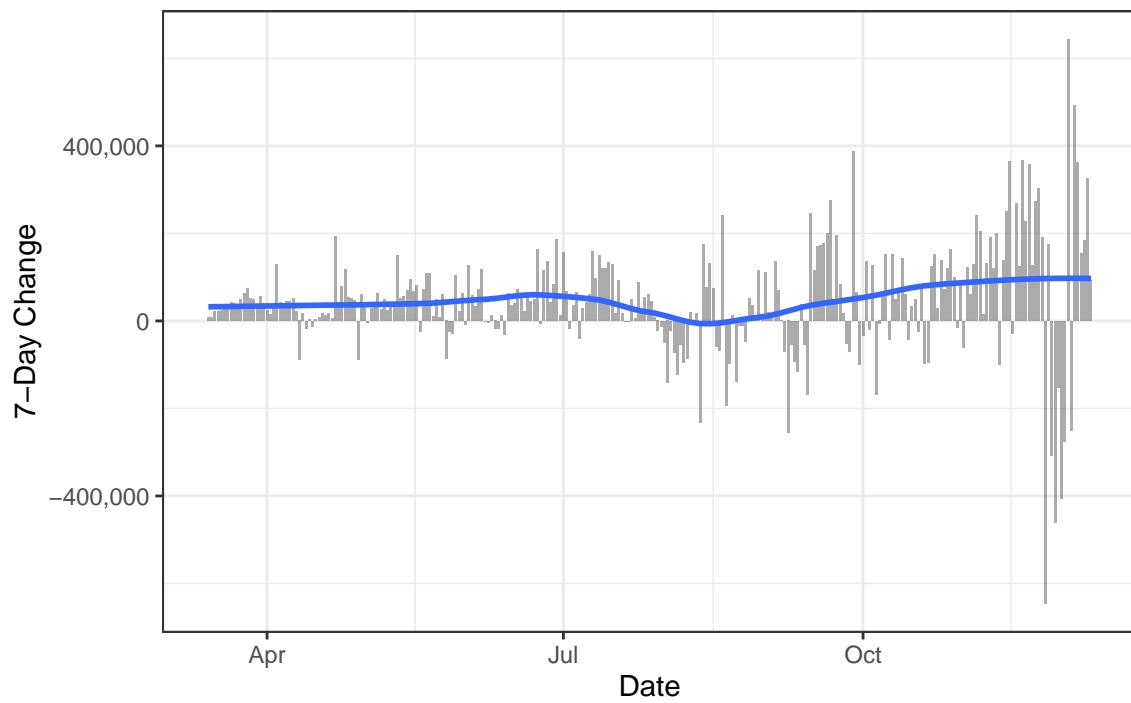
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

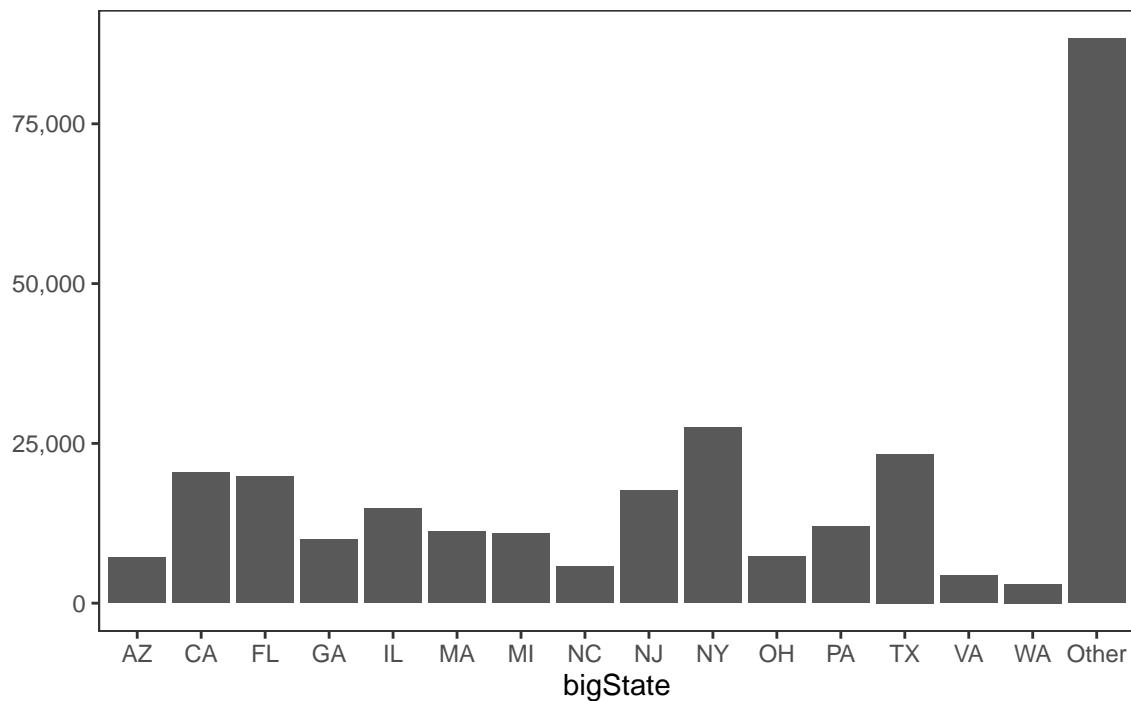


## State Data

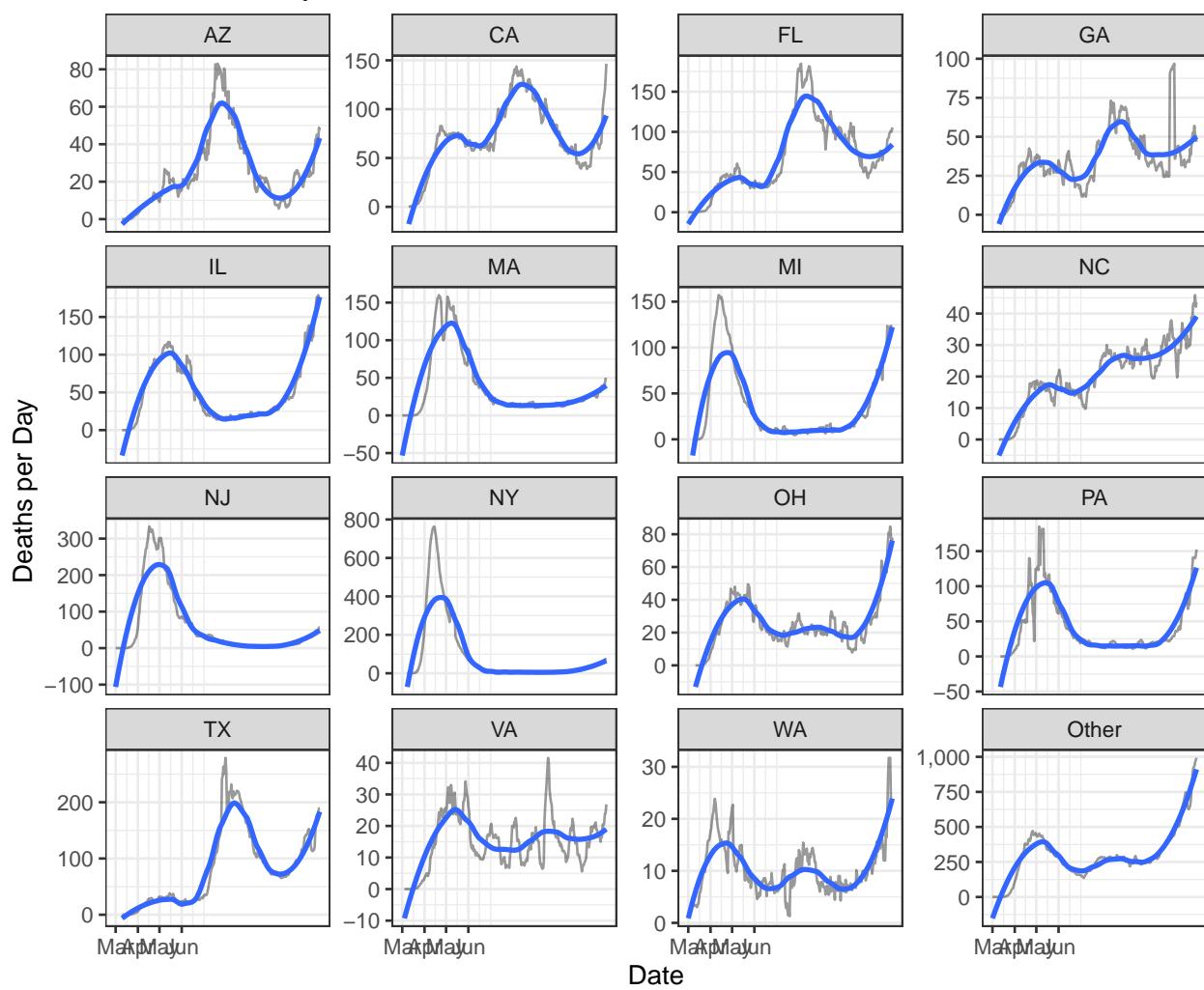
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

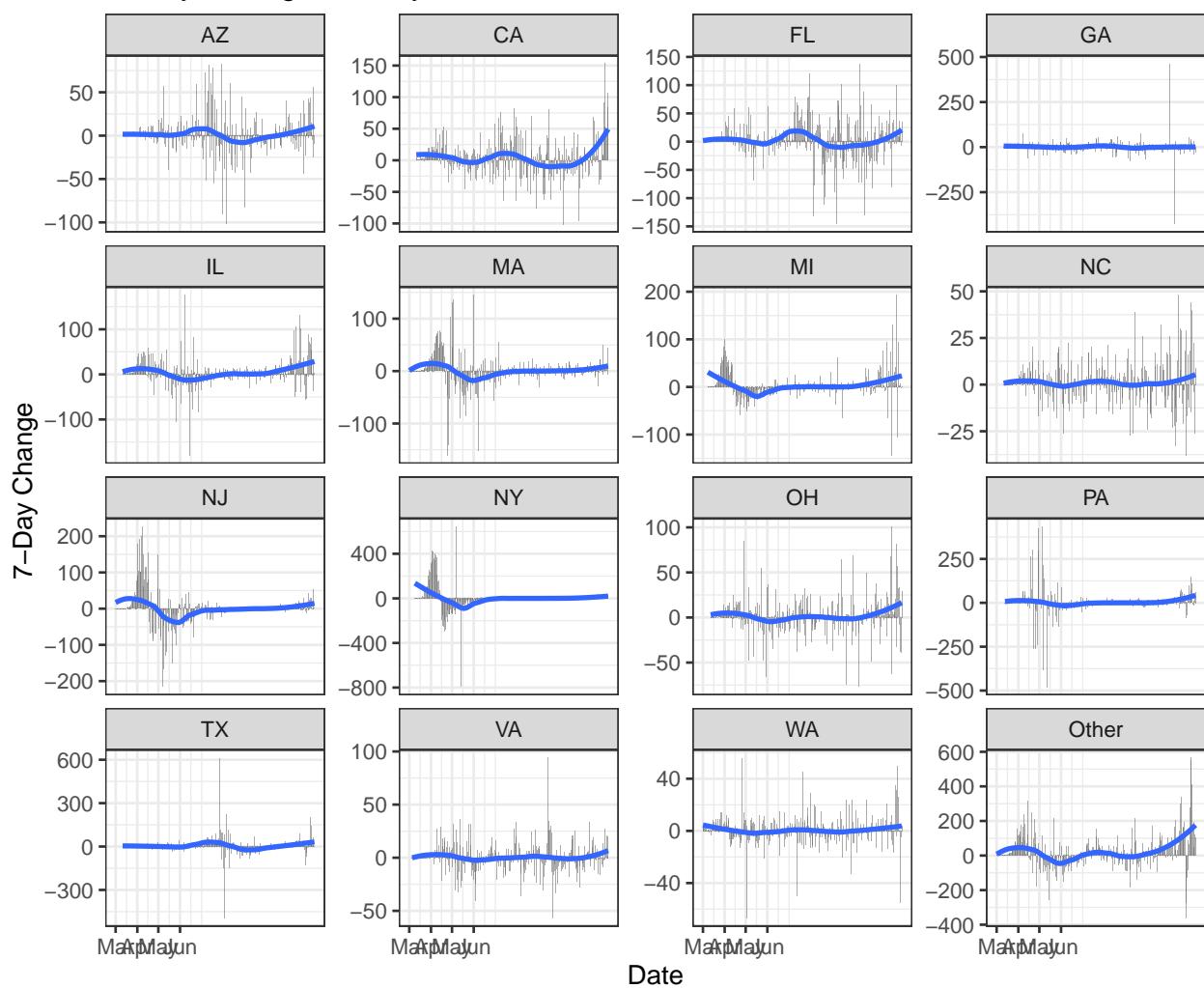
Deaths by State

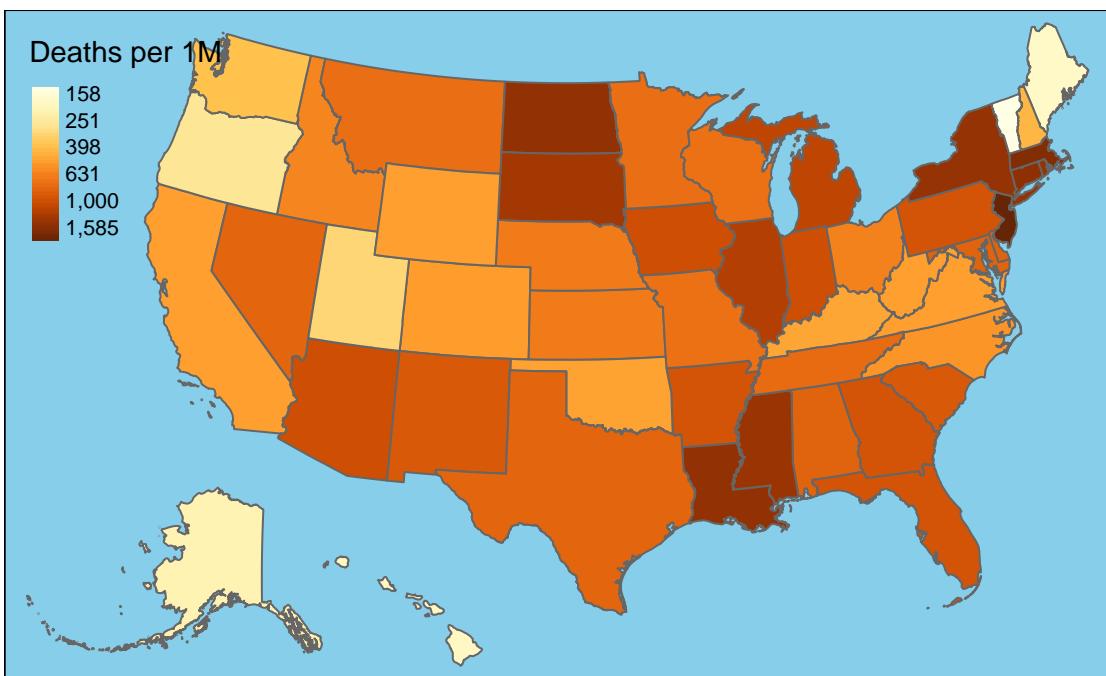
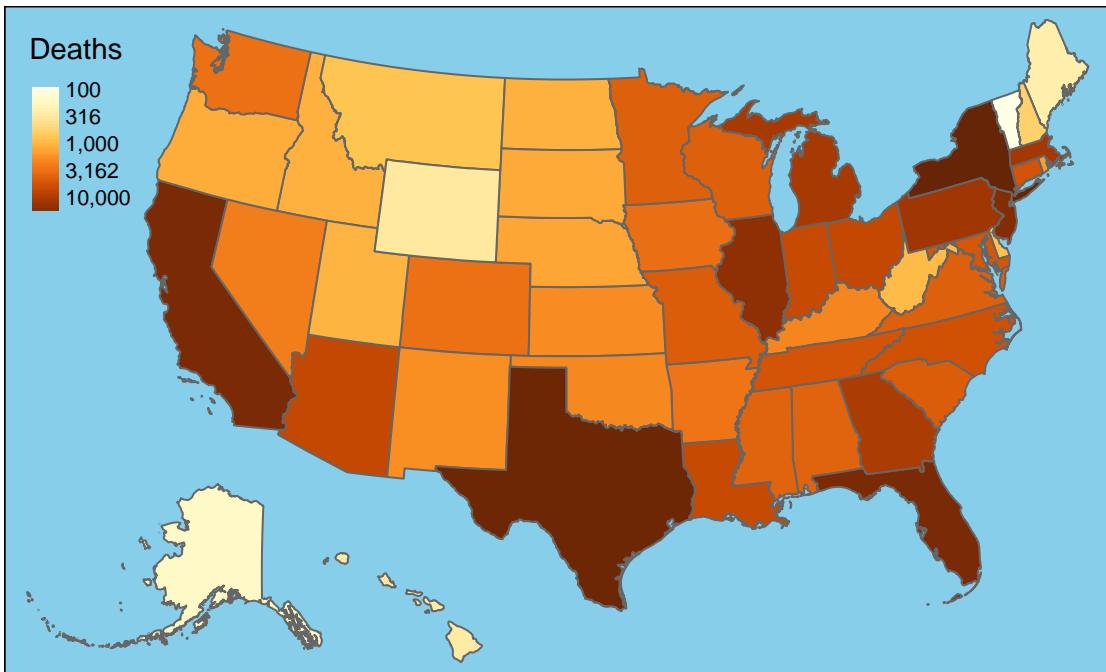


## New Deaths by State



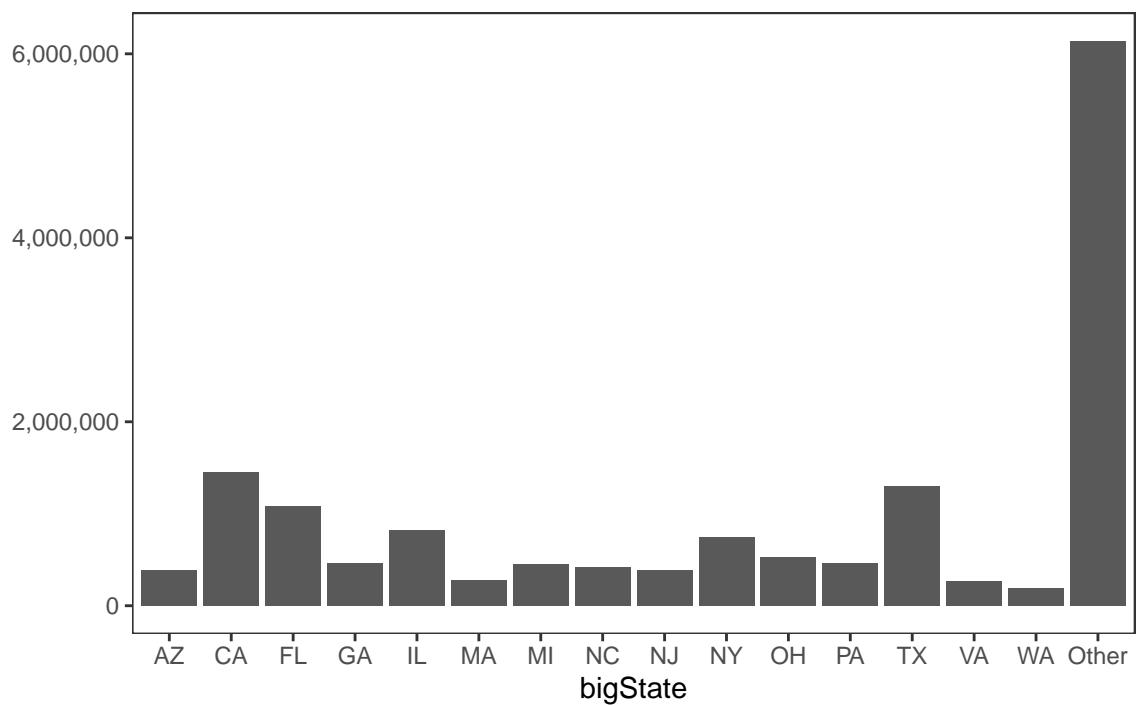
### 7-Day Change in Daily Deaths



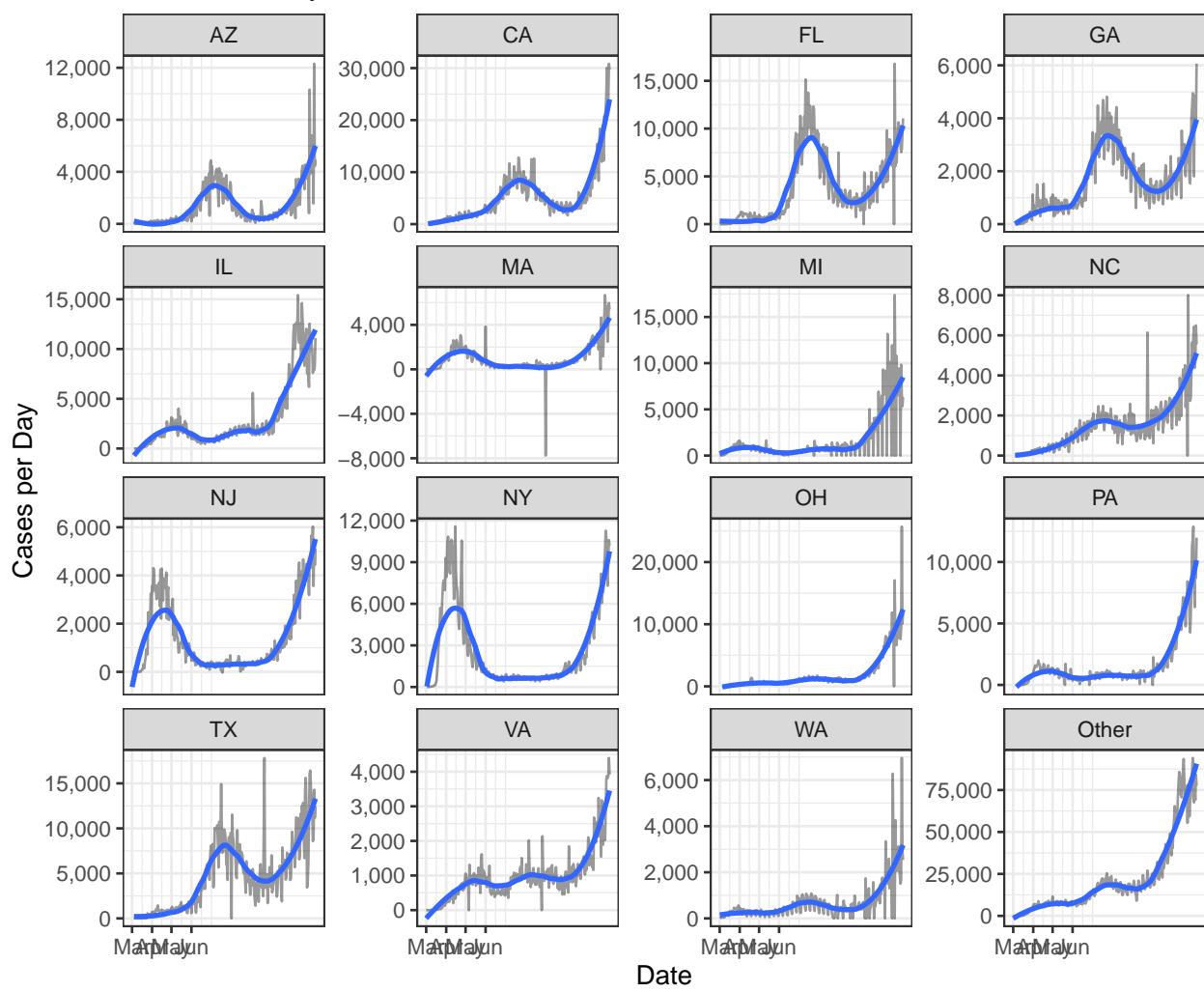


Cases

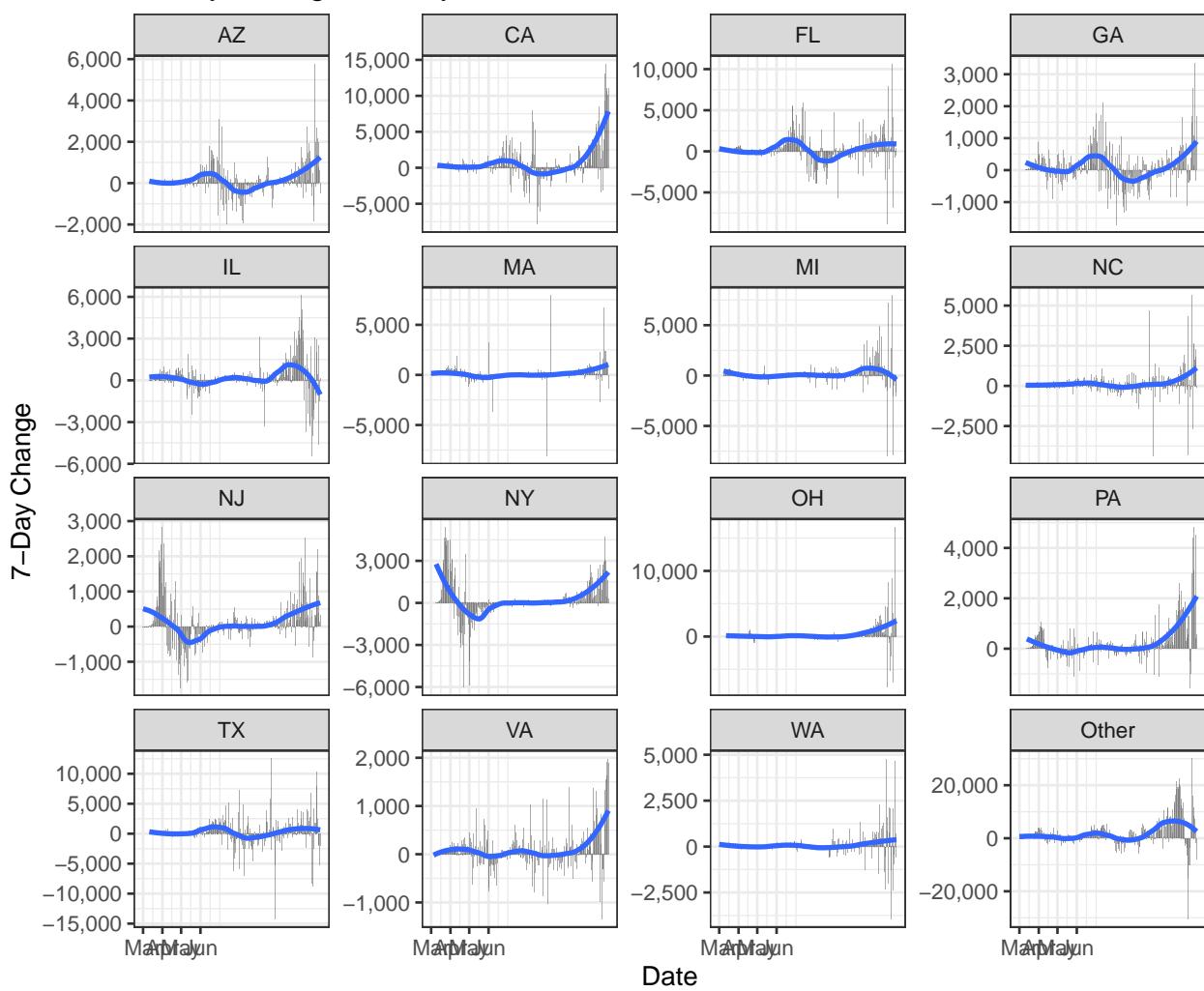
Cases by State

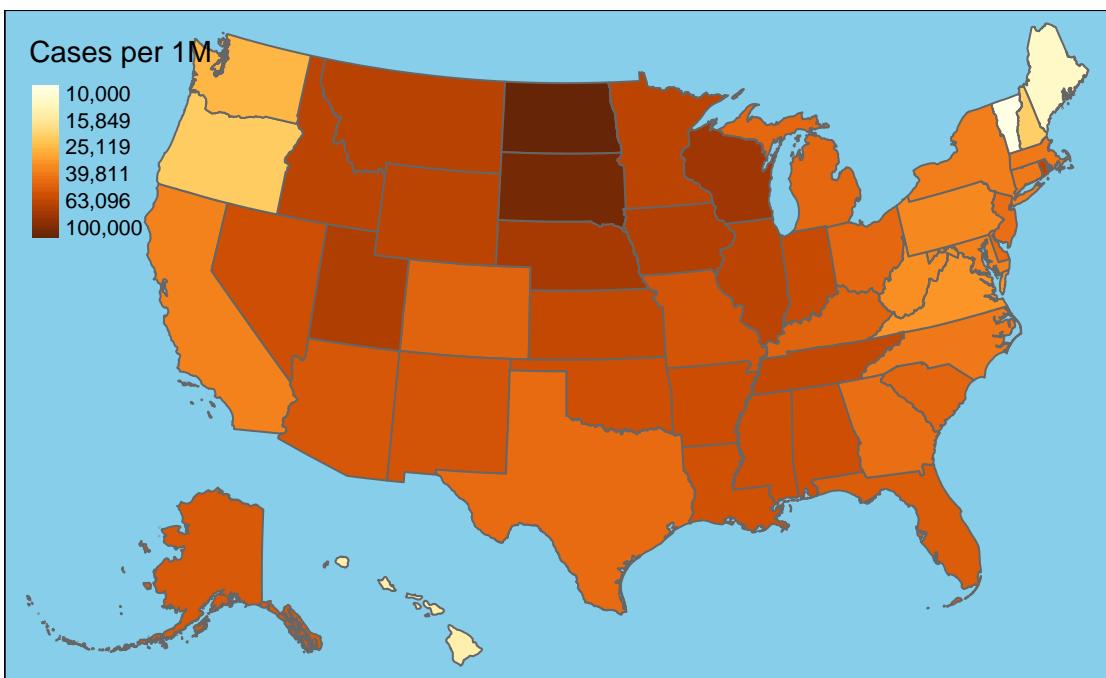
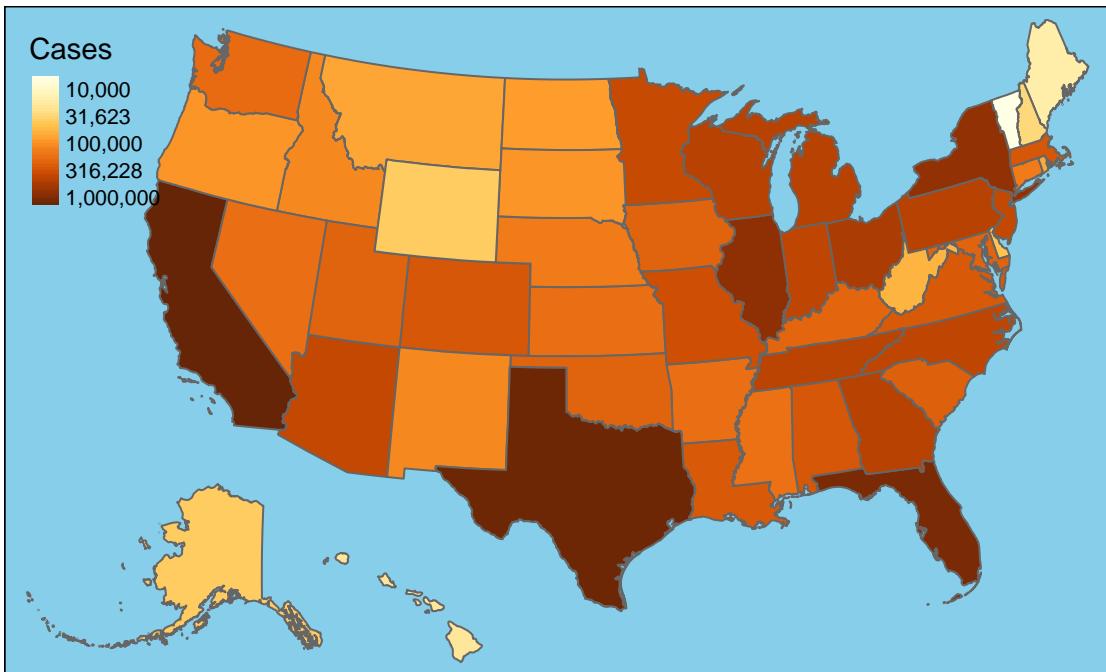


## New Cases by State

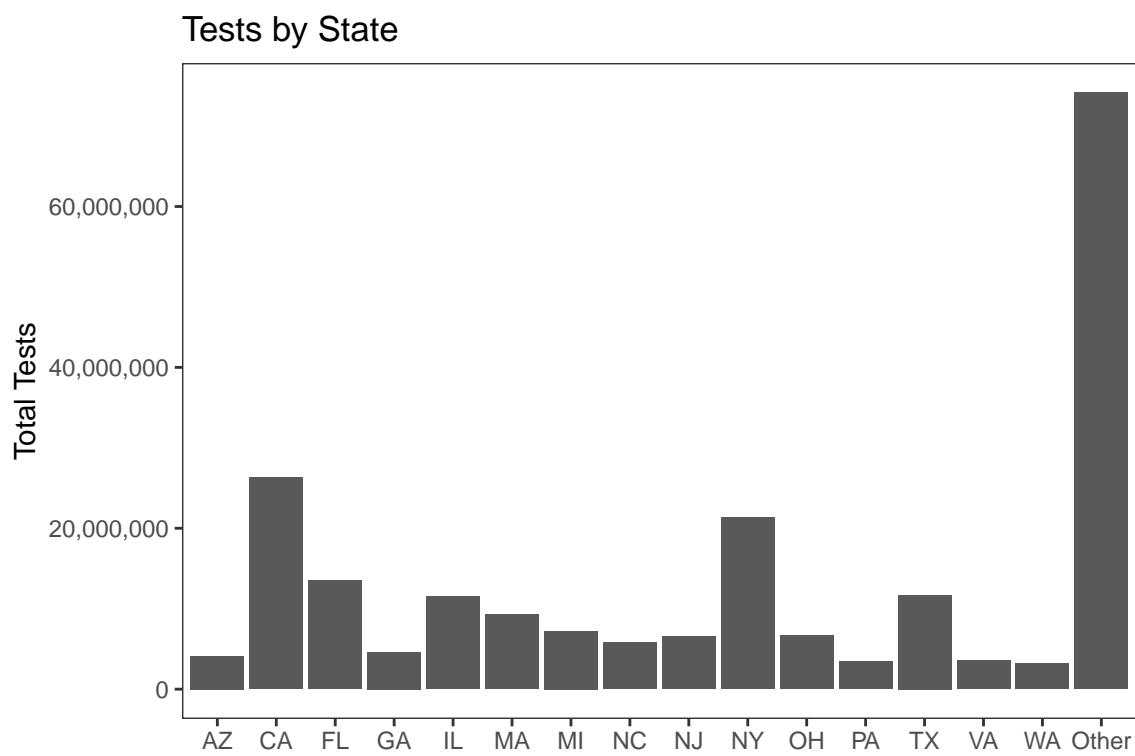


### 7-Day Change in Daily Cases

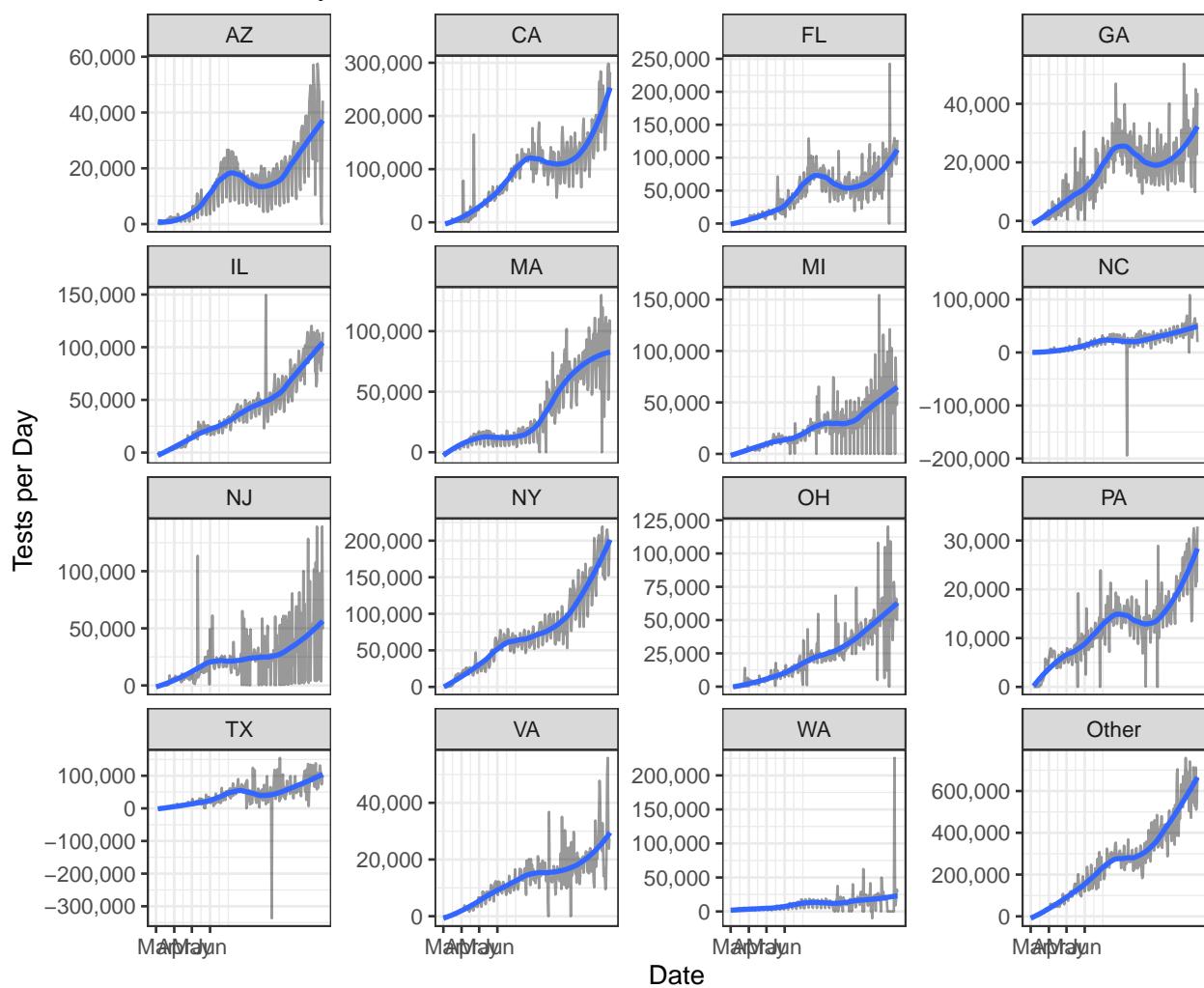


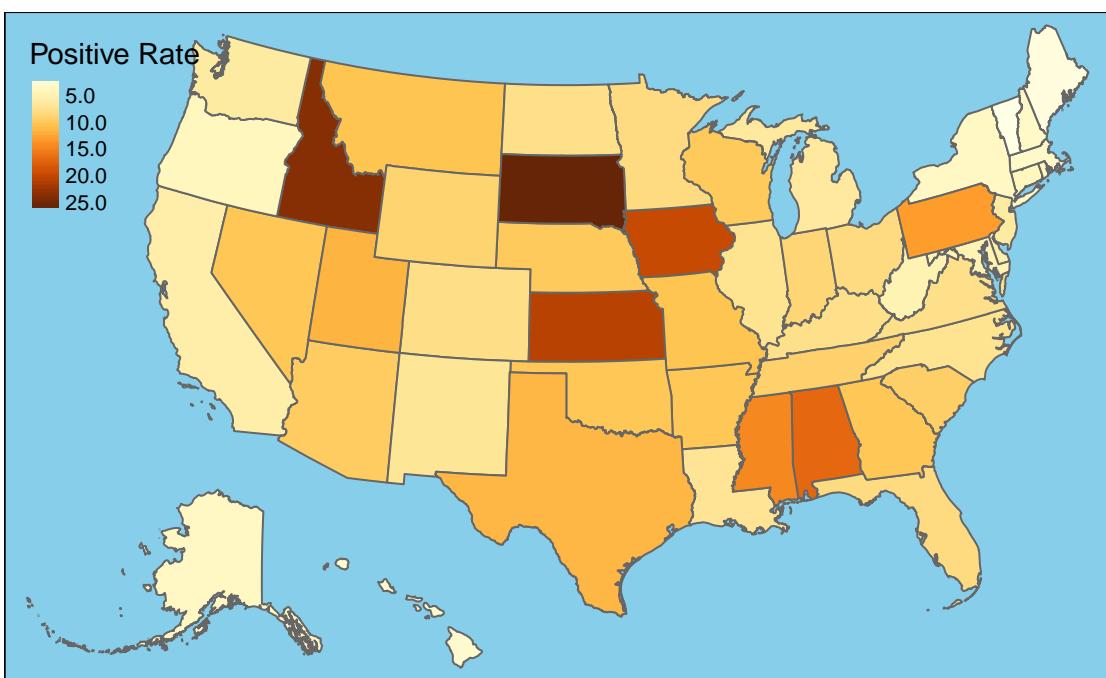
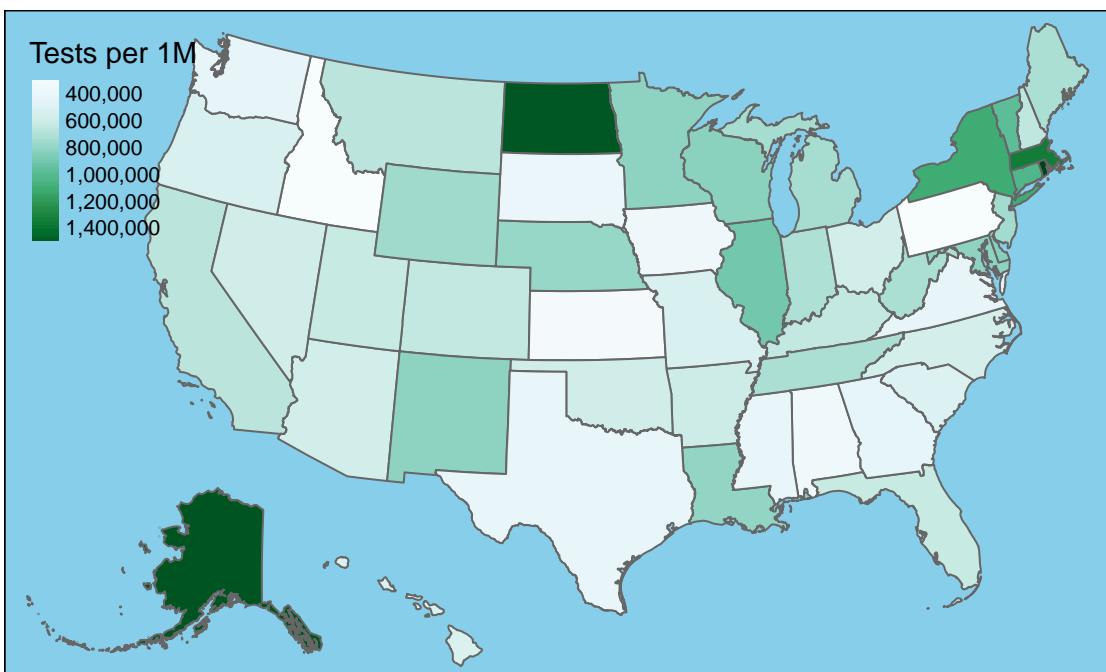


## Testing



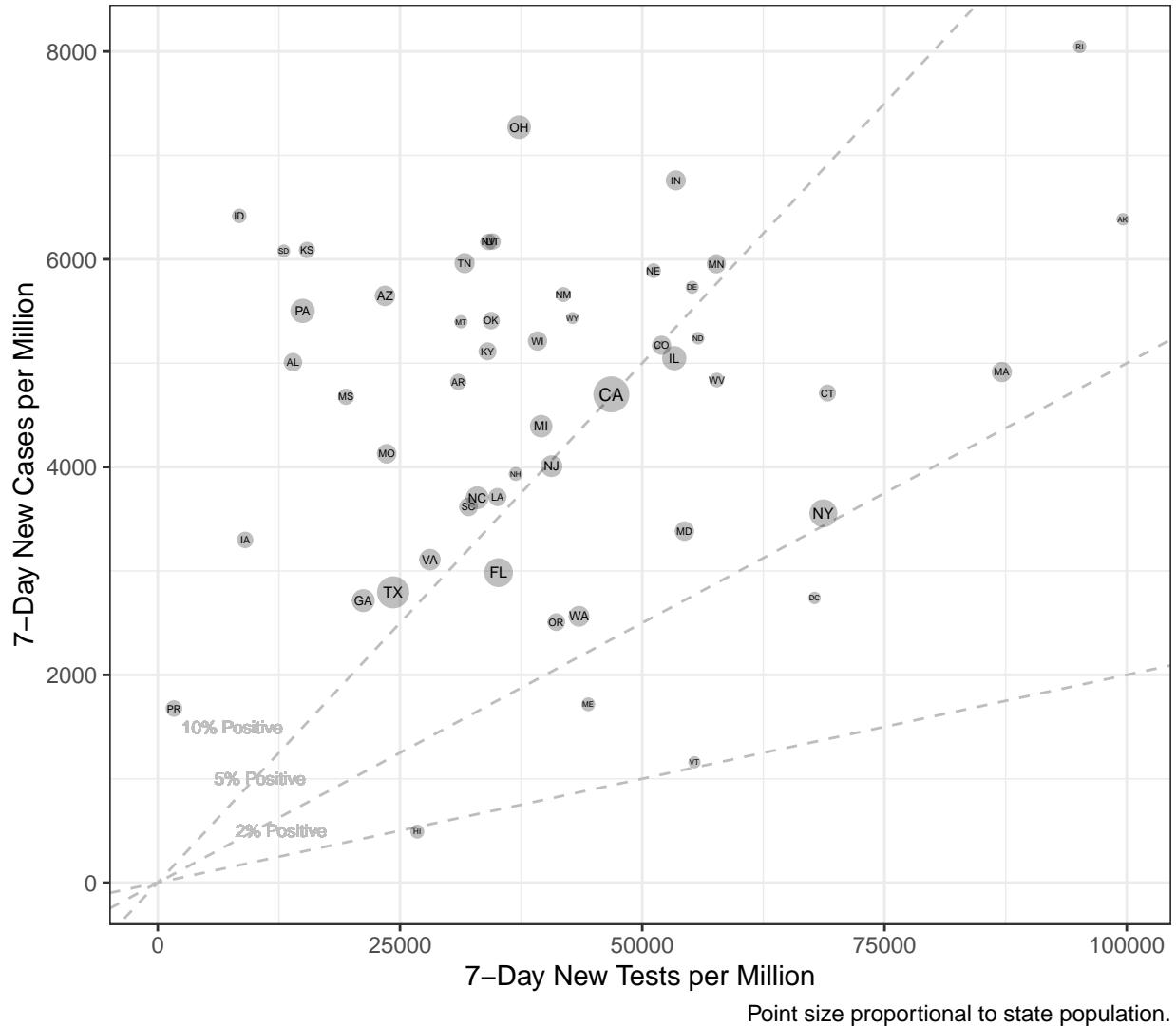
## New Tests by State





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



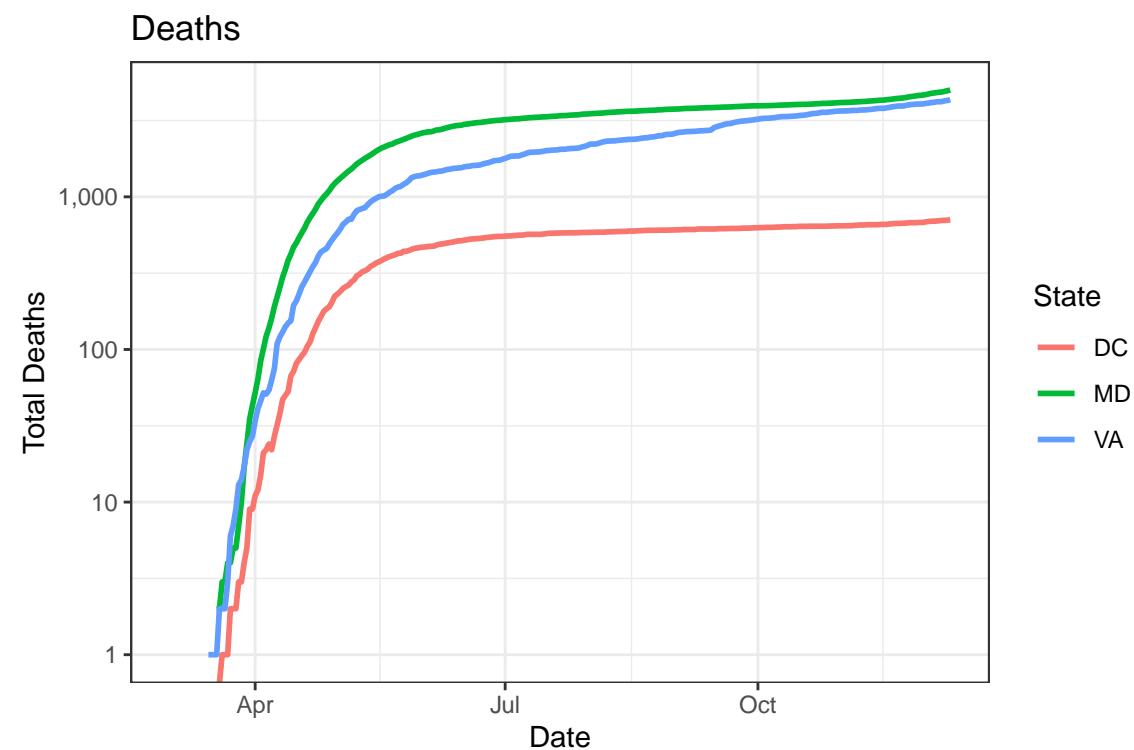
## Local Data

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

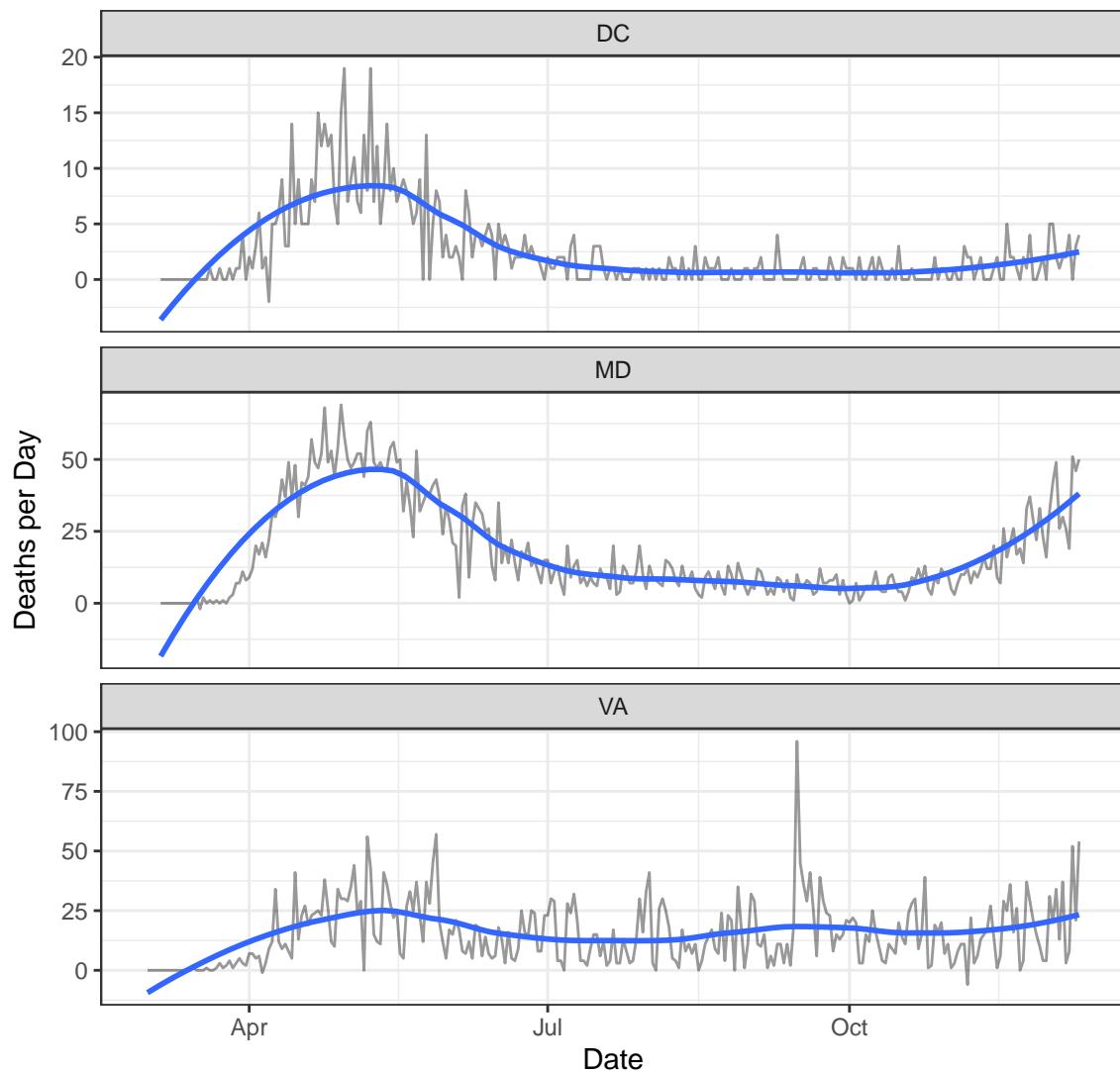
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	24,098	708	244	4
MD	225,855	5,012	3,202	50
VA	271,043	4,335	3,915	54

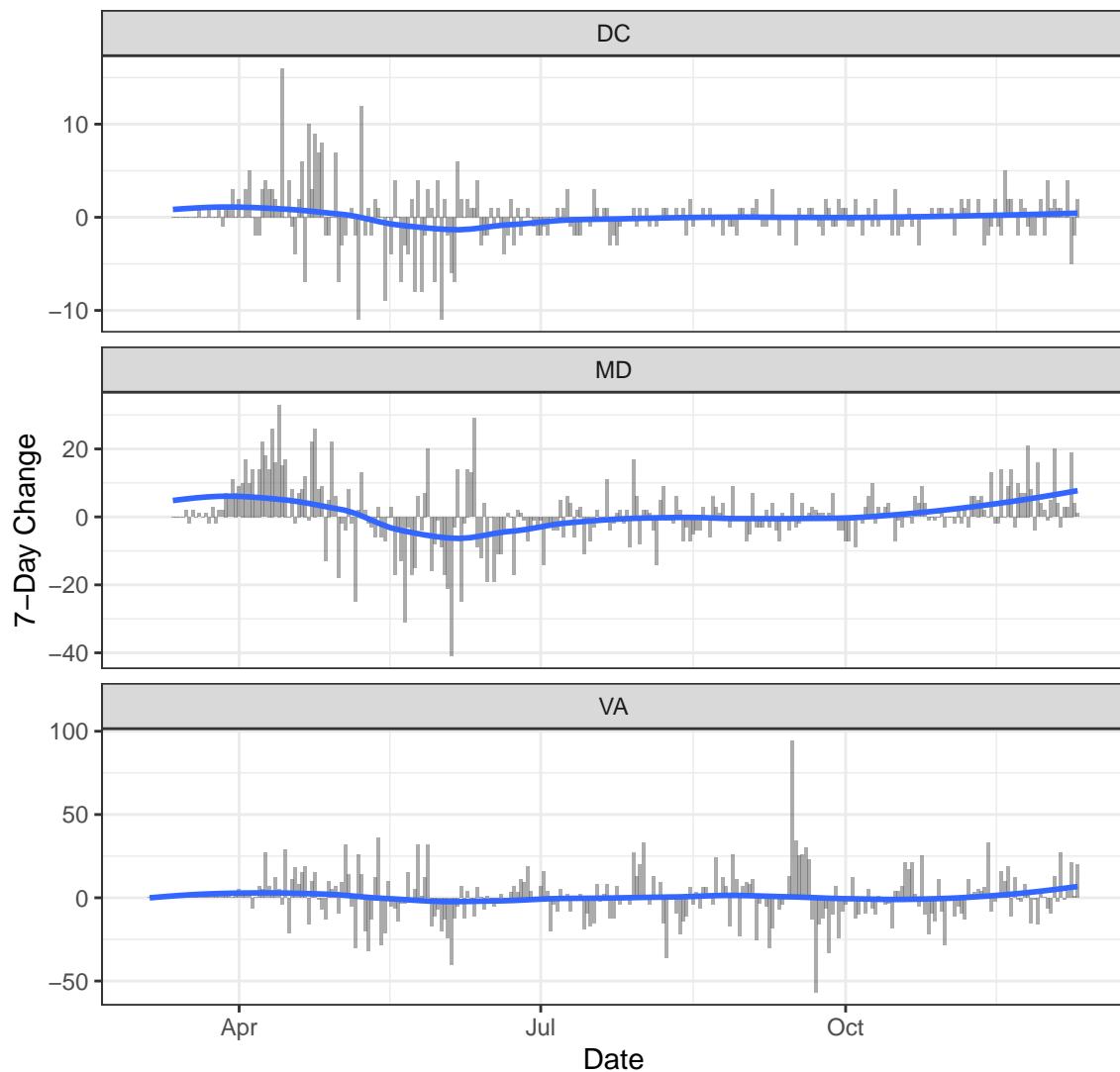
## Deaths

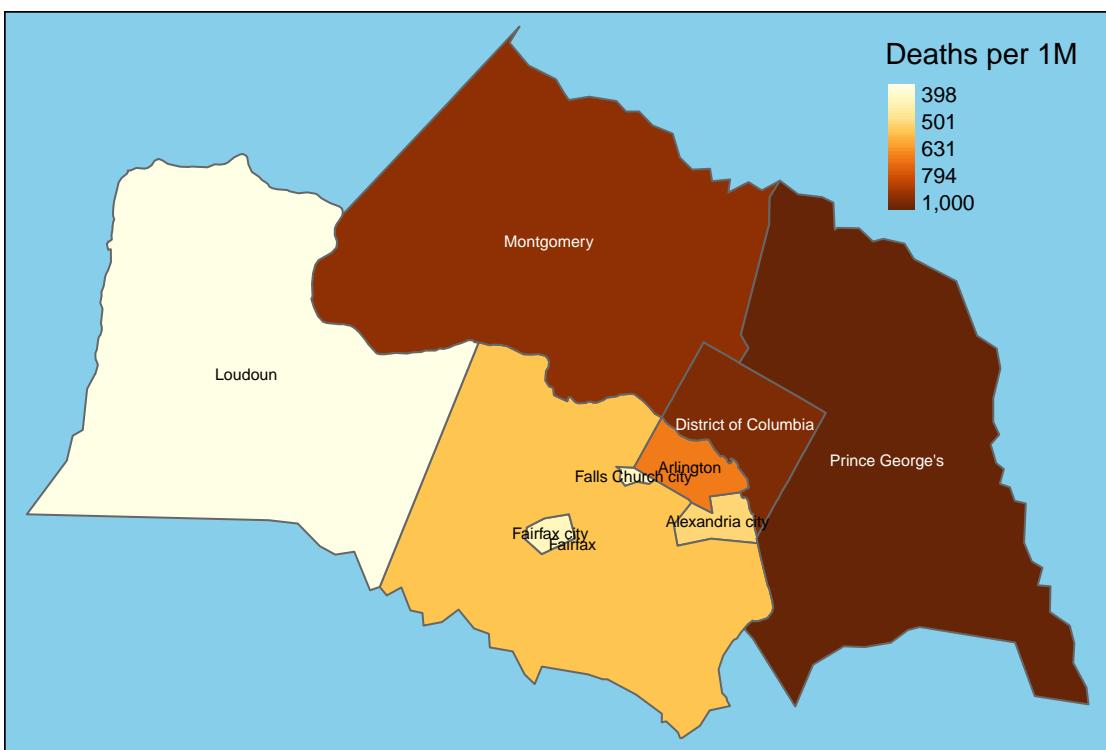
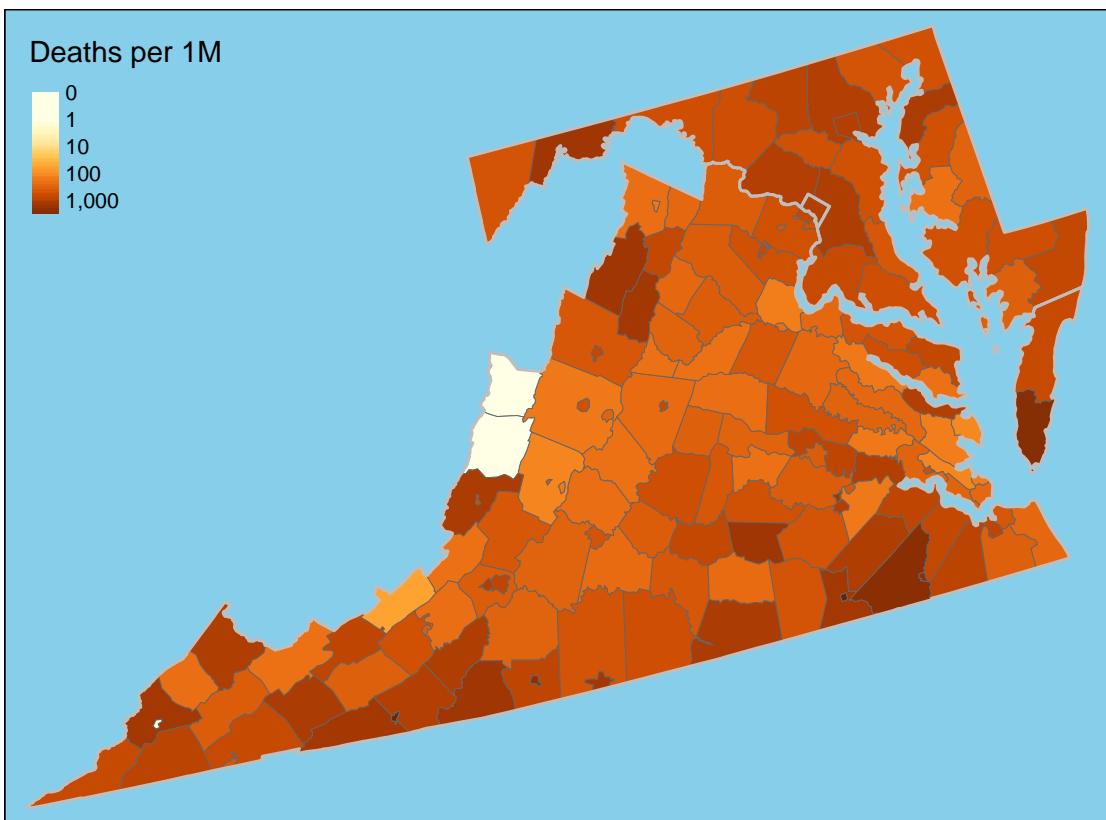


## New Deaths

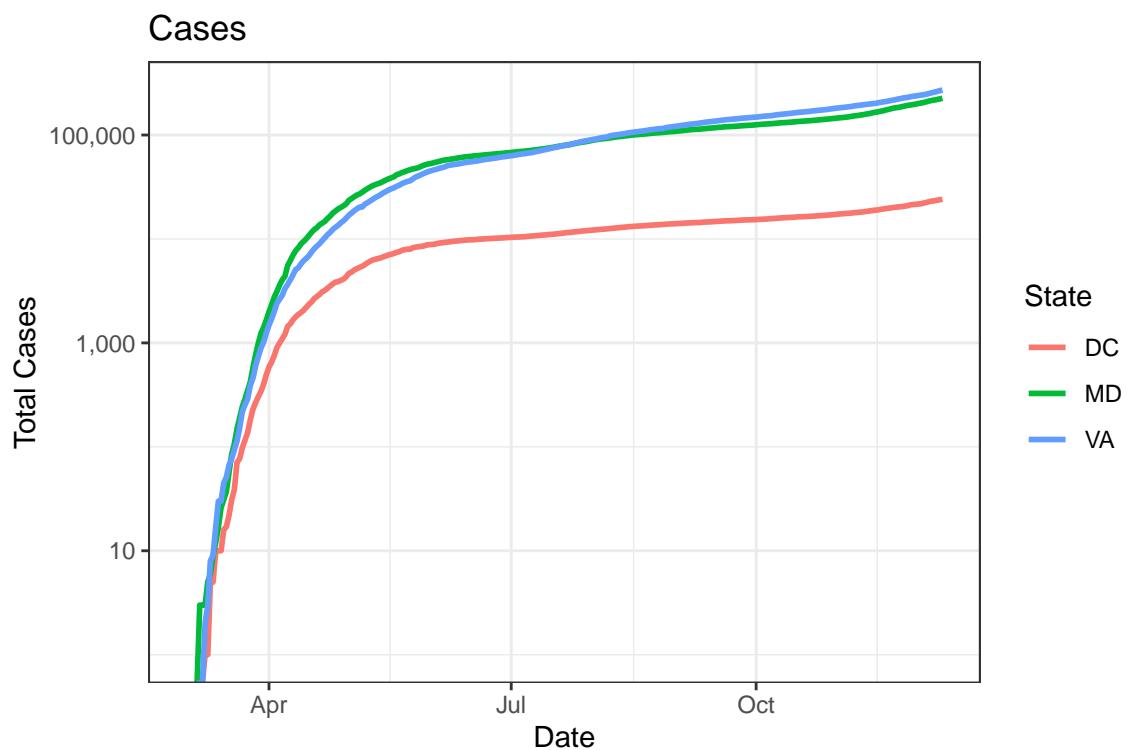


## One-Week Change in Daily Deaths

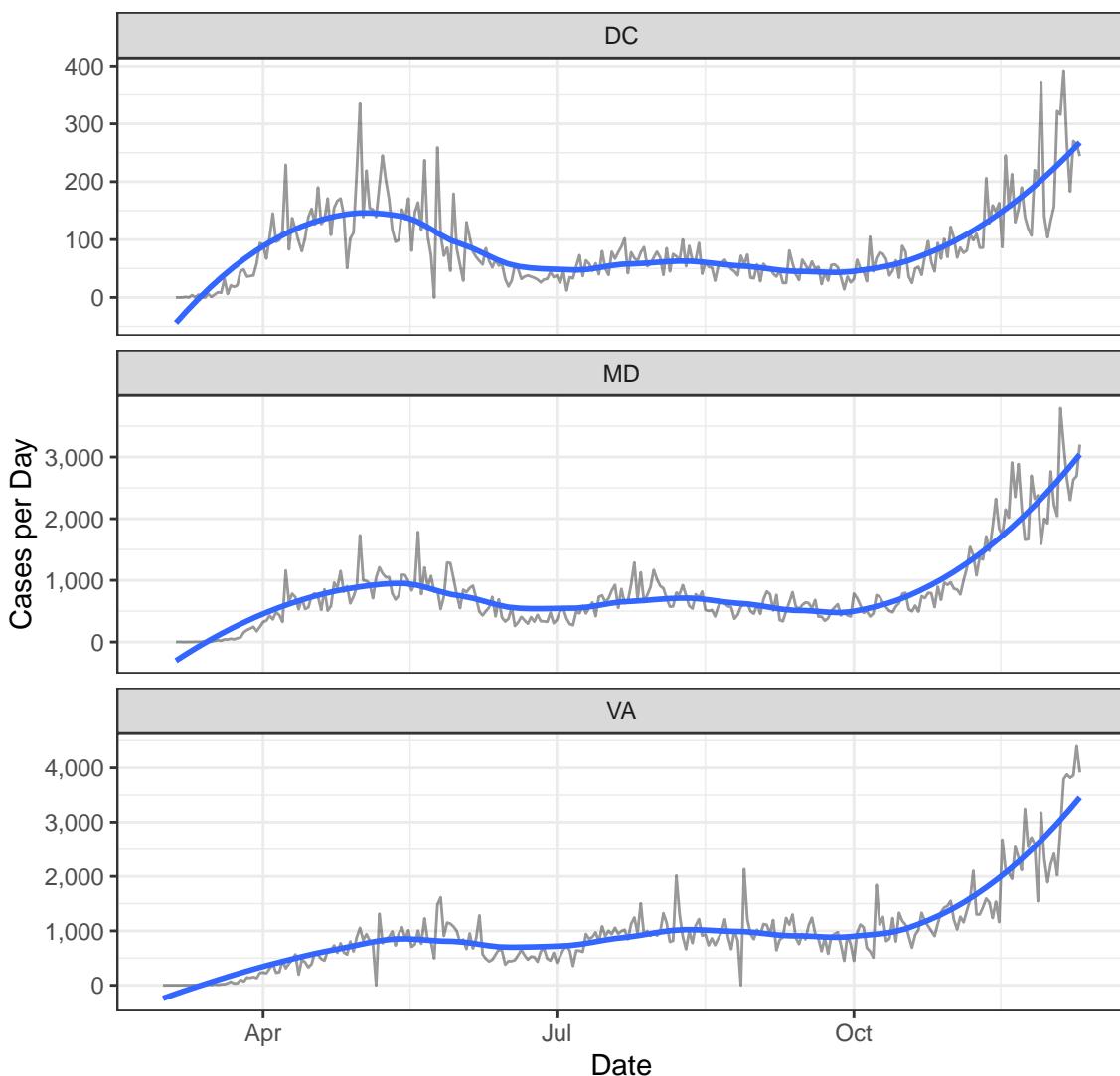




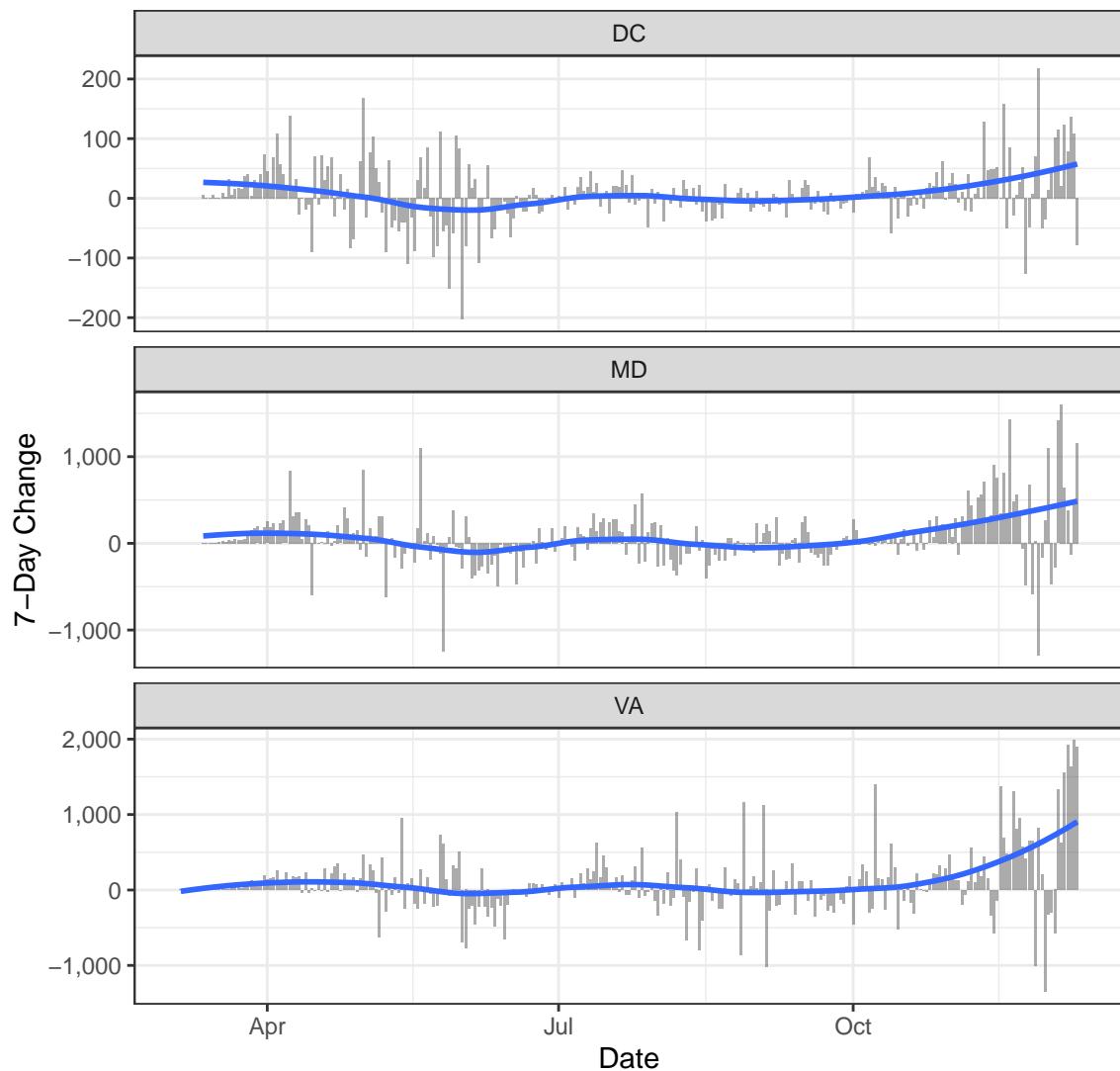
Cases

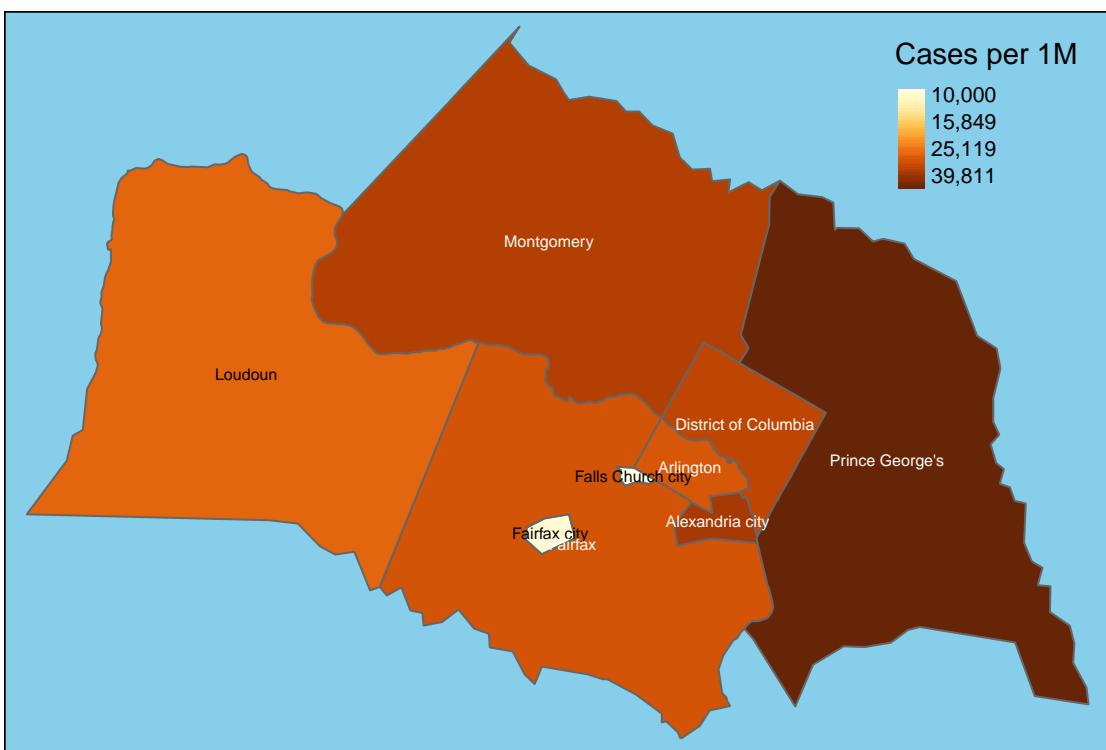
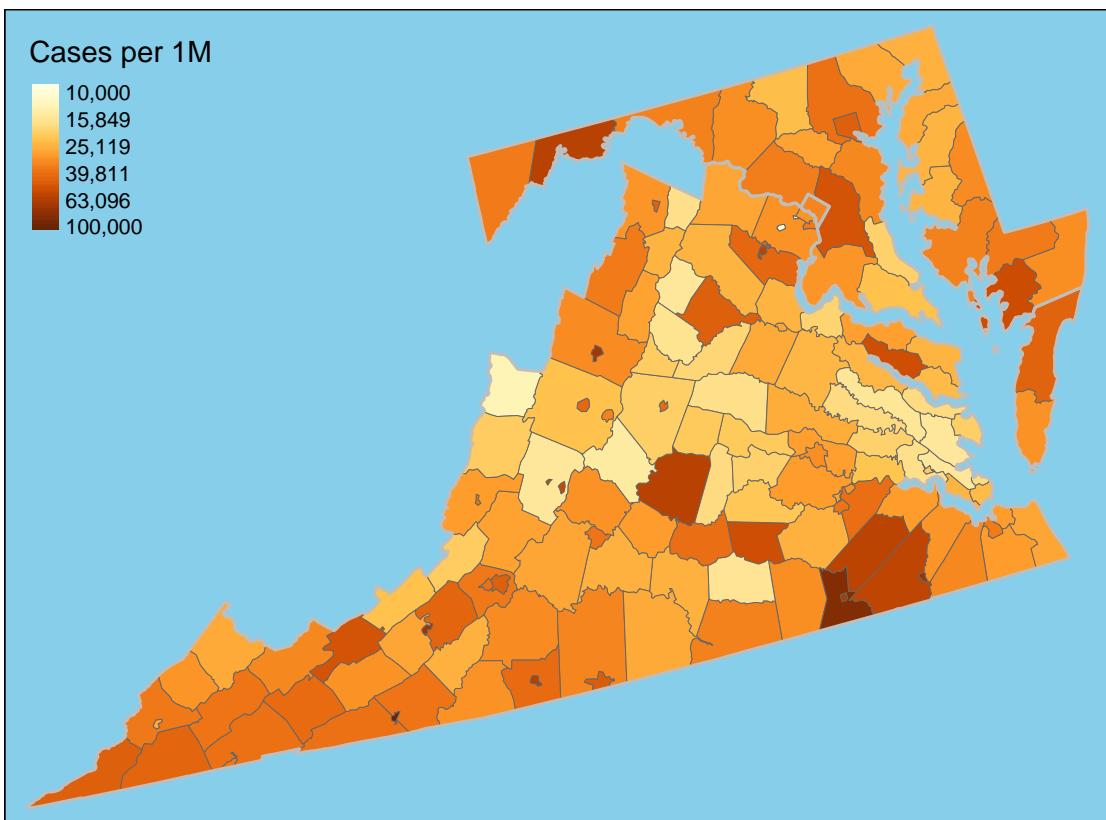


## New Cases

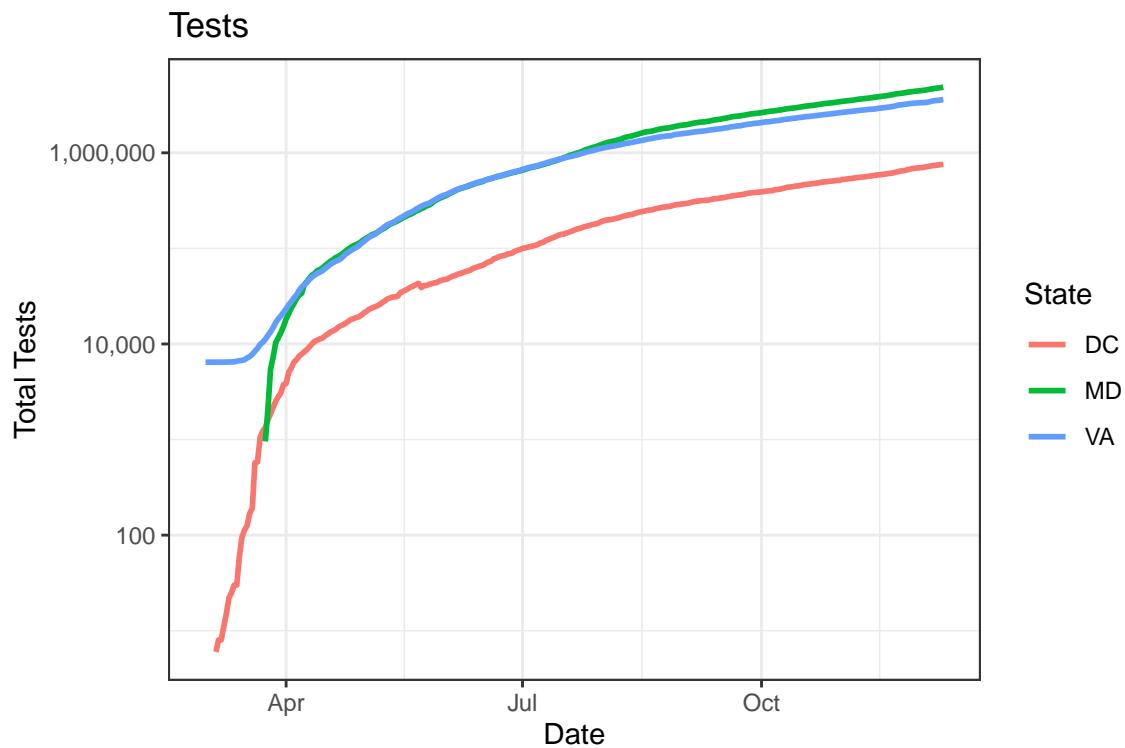


## One-Week Change in Daily Cases

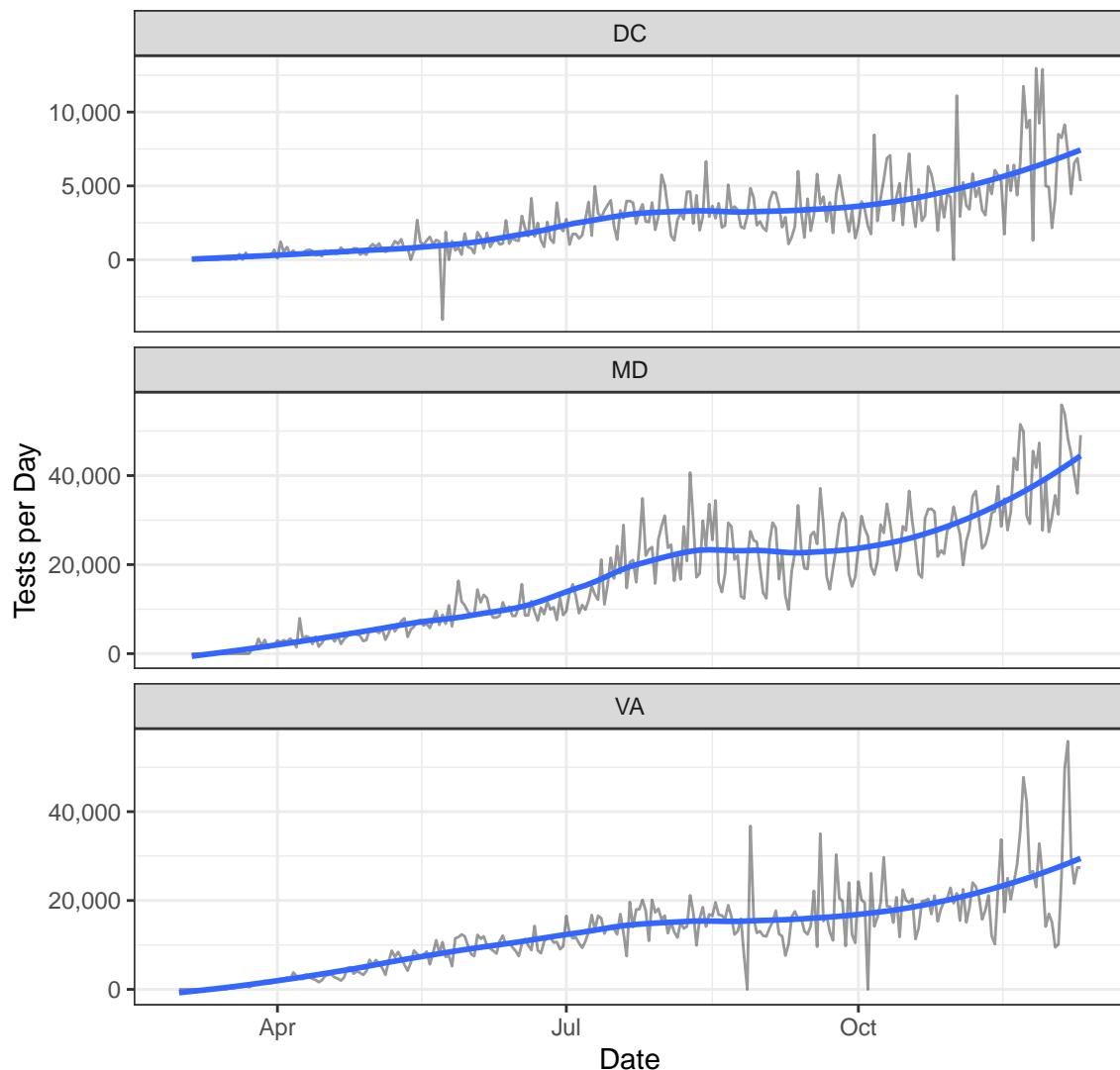




## Testing



## New Tests



## Positive Test Rate

