

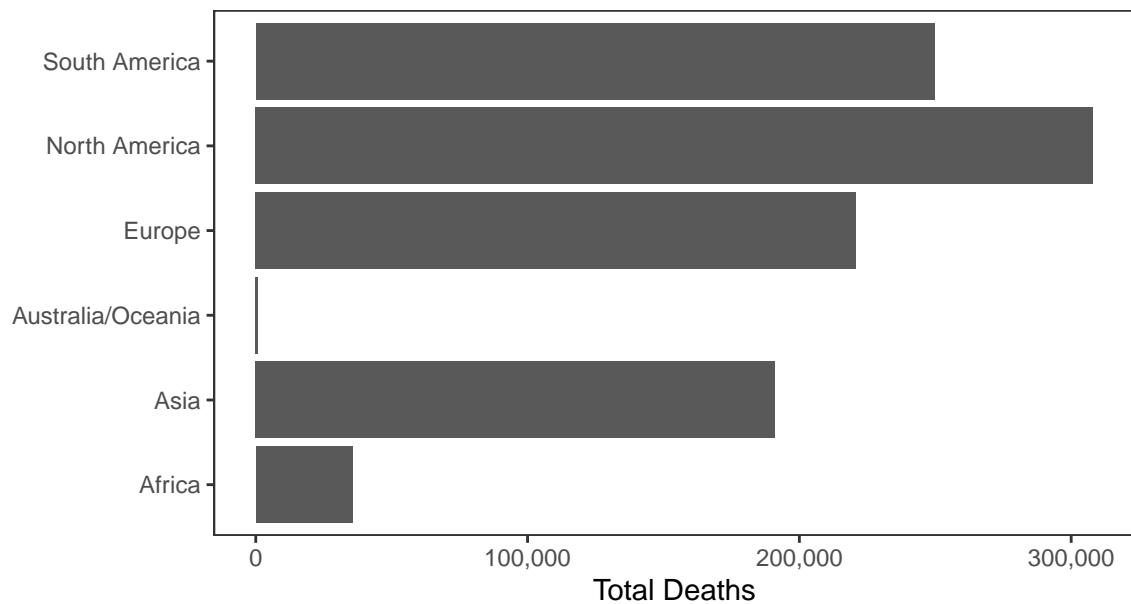
# Erik's Covid-19 Chart Pack

Data updated 2020-09-29 21:18:44. 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 33,545,648 confirmed Covid-19 cases and 1,006,138 deaths worldwide.

**Deaths**



**Cases**

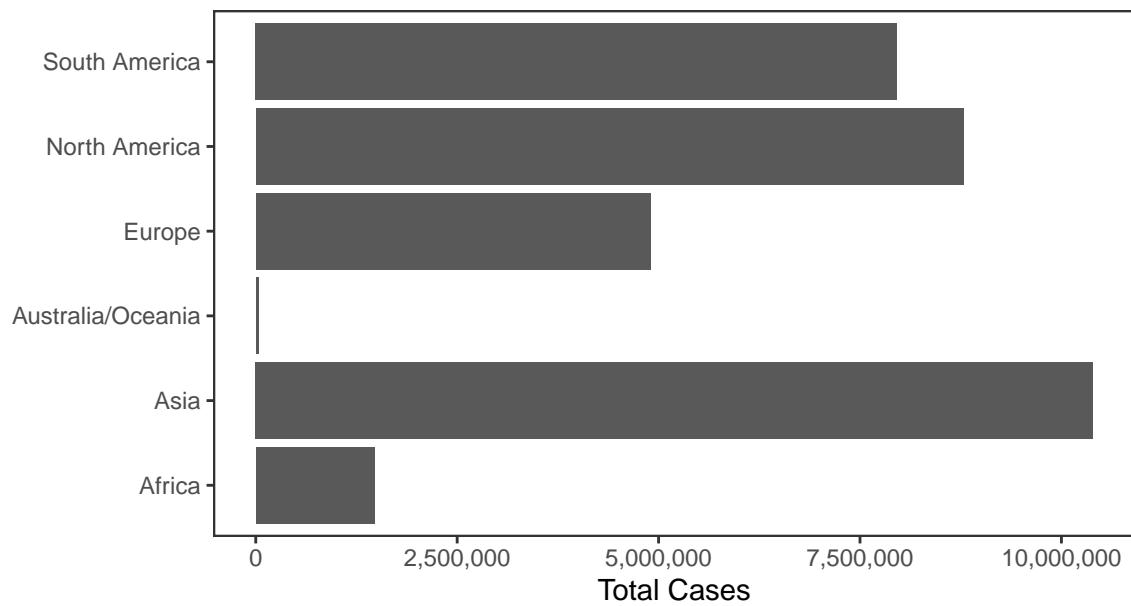
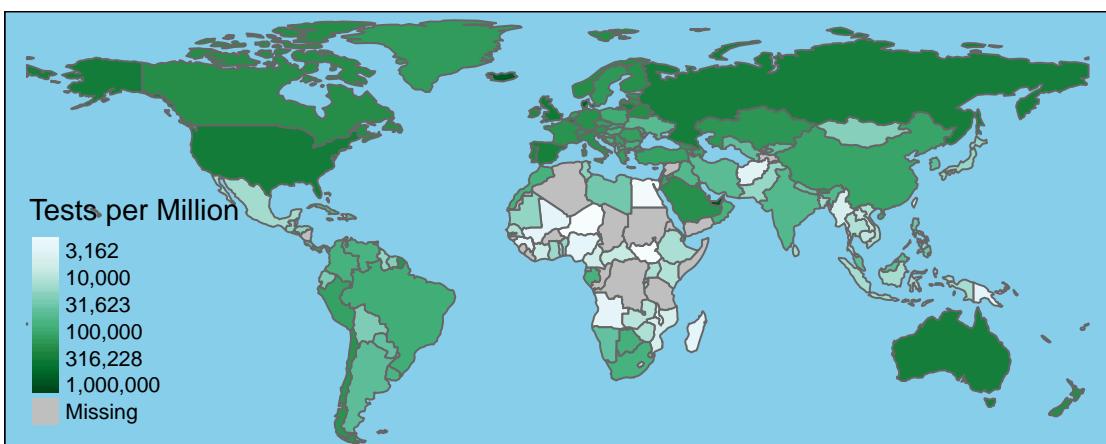
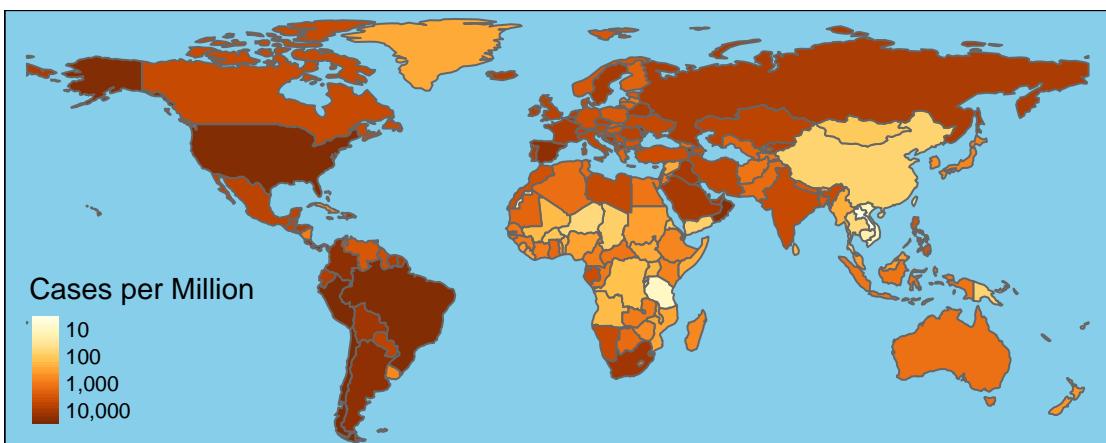
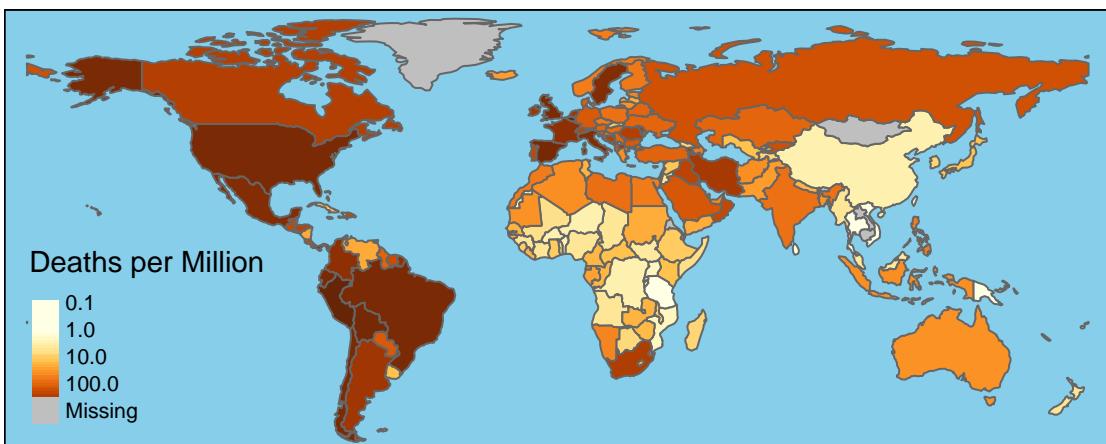


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,361,919	209,808	37,420	355
India	6,143,019	96,351	69,671	777
Brazil	4,748,327	142,161	16,018	385
Russia	1,159,573	20,385	8,135	61
Colombia	818,203	25,641	5,147	153
Peru	808,714	32,324	3,412	62
Spain	748,266	31,411	2,425	59
Mexico	730,317	76,430	3,886	187
Argentina	723,132	16,113	11,807	364
South Africa	671,669	16,586	903	188
France	542,639	31,808	4,070	81
Chile	459,671	12,698	1,770	57
Iran	449,960	25,779	3,512	190
UK	439,013	42,001	4,044	13
Bangladesh	360,555	5,193	1,407	32
Iraq	353,566	9,052	4,116	62
Saudi Arabia	333,648	4,712	455	29
Turkey	315,845	8,062	1,412	65
Italy	311,363	35,851	1,493	16
Pakistan	310,841	6,466	566	9



## National Data

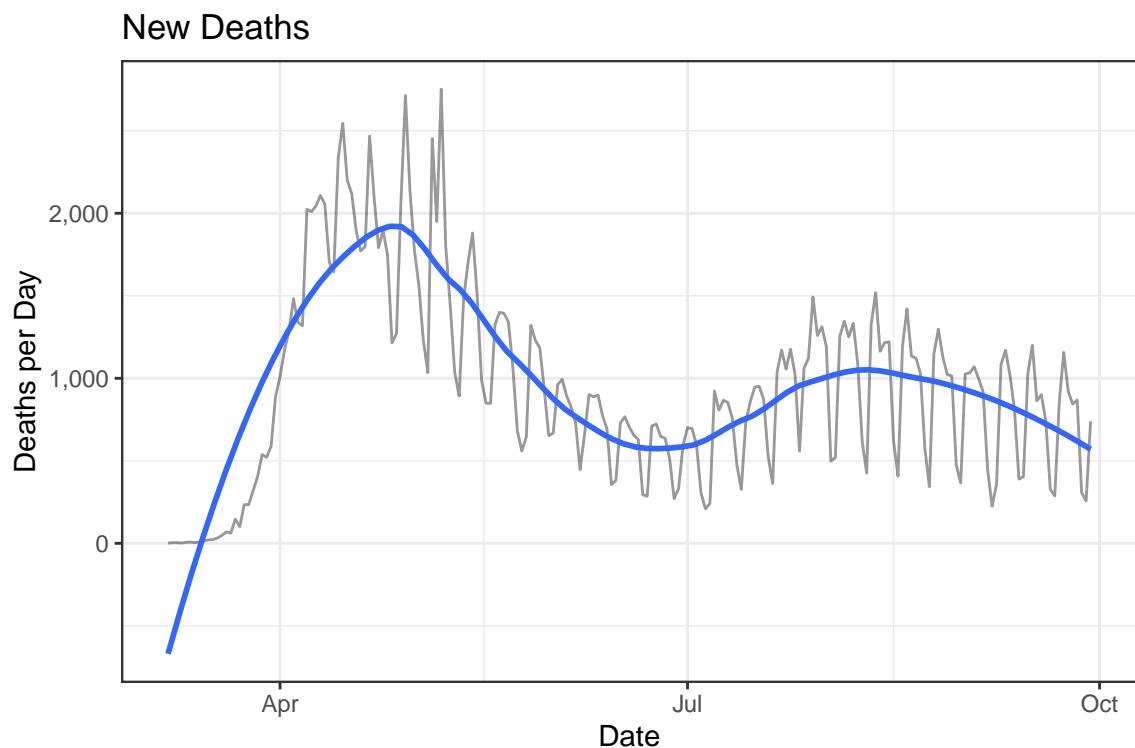
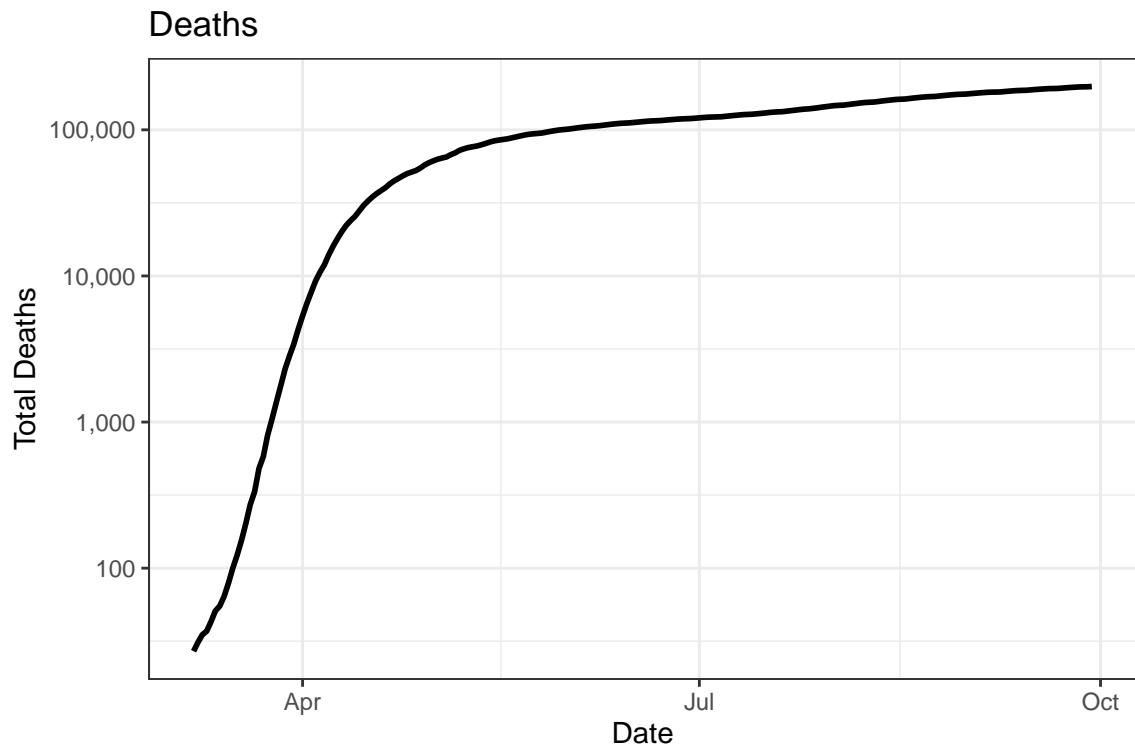
There have been 7,154,198 confirmed Covid-19 cases and 197,868 deaths in the United States.

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

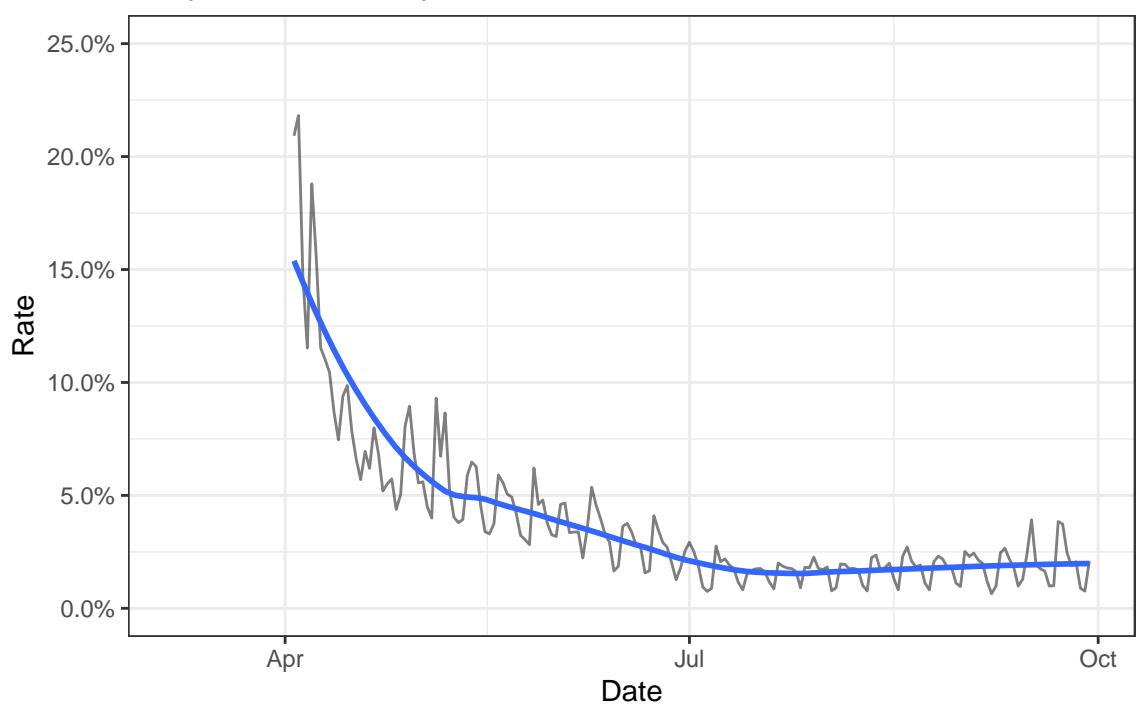
Date	Cases	Deaths	New Cases	New Deaths
2020-09-29	7,154,198	197,868	36,947	739
2020-09-28	7,117,251	197,129	36,524	257
2020-09-27	7,080,727	196,872	35,454	307
2020-09-26	7,045,273	196,565	47,836	869
2020-09-25	6,997,437	195,696	55,526	844
2020-09-24	6,941,911	194,852	43,772	921
2020-09-23	6,898,139	193,931	38,567	1,157
2020-09-22	6,859,572	192,774	49,439	854
2020-09-21	6,810,133	191,920	39,472	287
2020-09-20	6,770,661	191,633	36,295	327
2020-09-19	6,734,366	191,306	45,539	740
2020-09-18	6,688,827	190,566	47,486	901
2020-09-17	6,641,341	189,665	43,558	863
2020-09-16	6,597,783	188,802	40,021	1,200

## Deaths

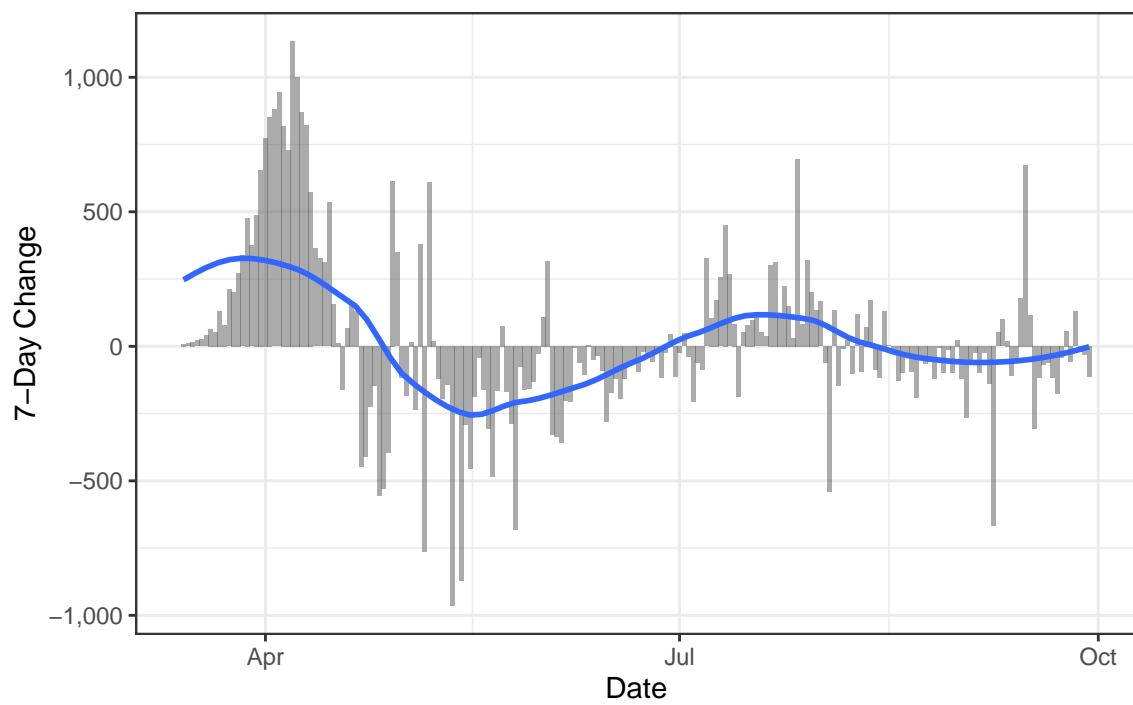
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

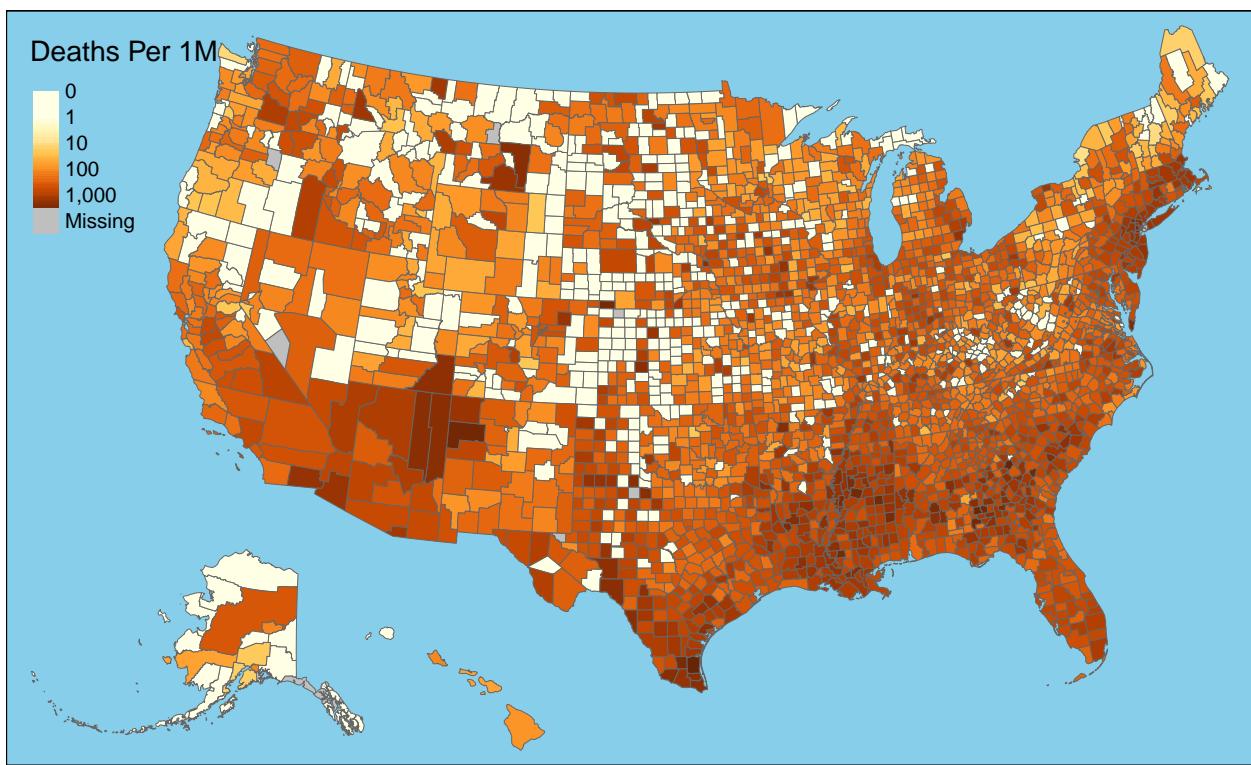


Daily Case Mortality Rate



One-Week Change in Daily Deaths

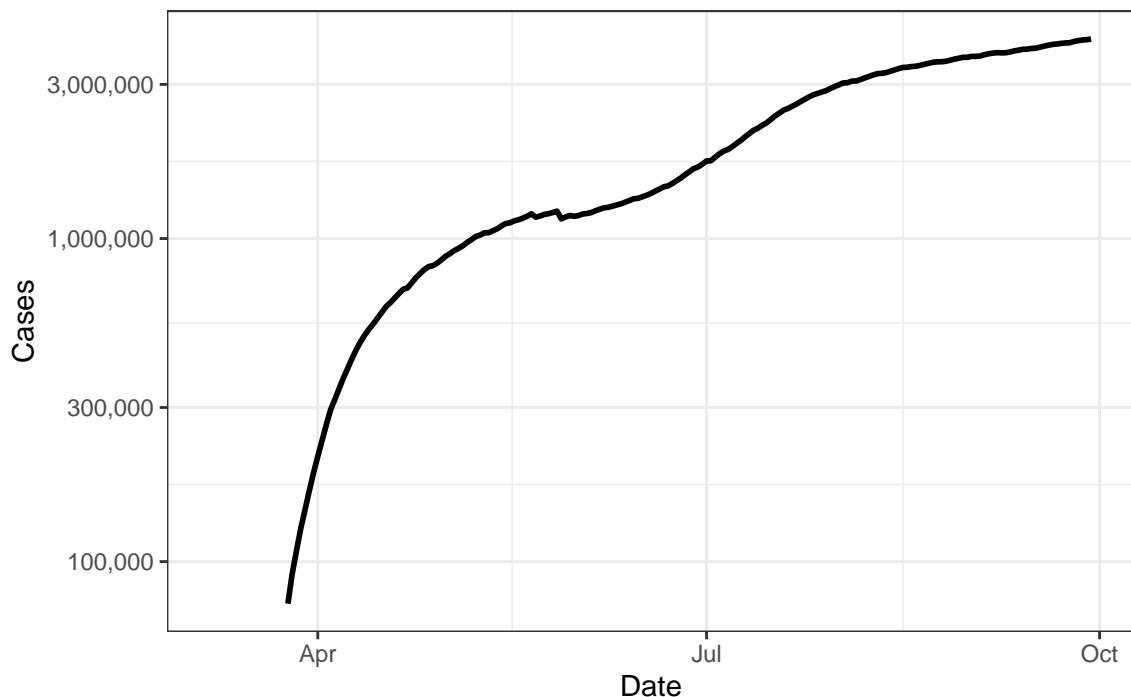




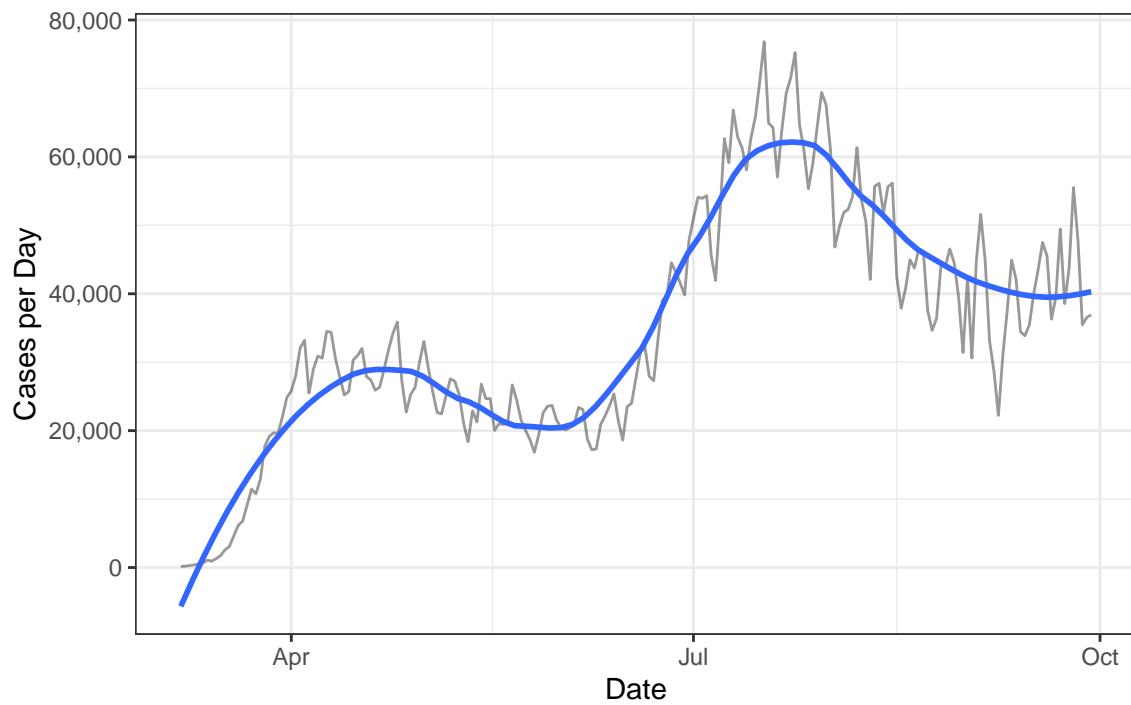
## Cases

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

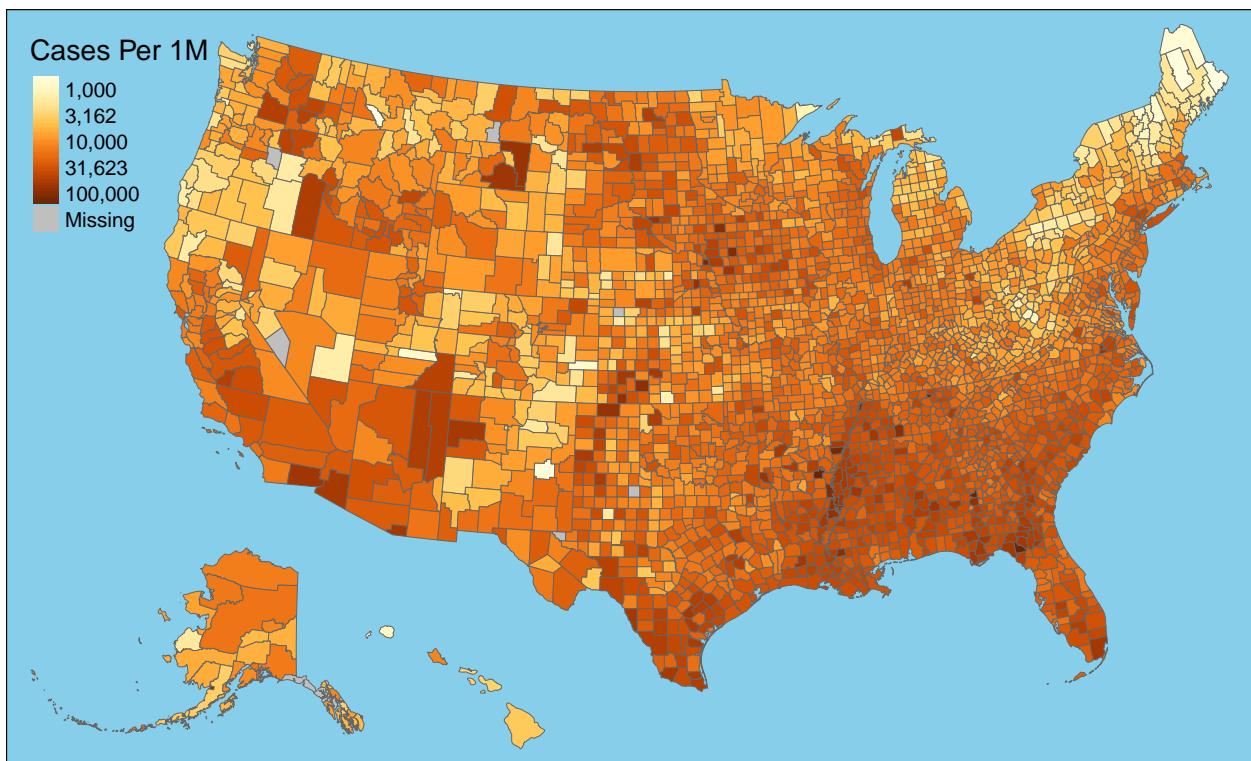
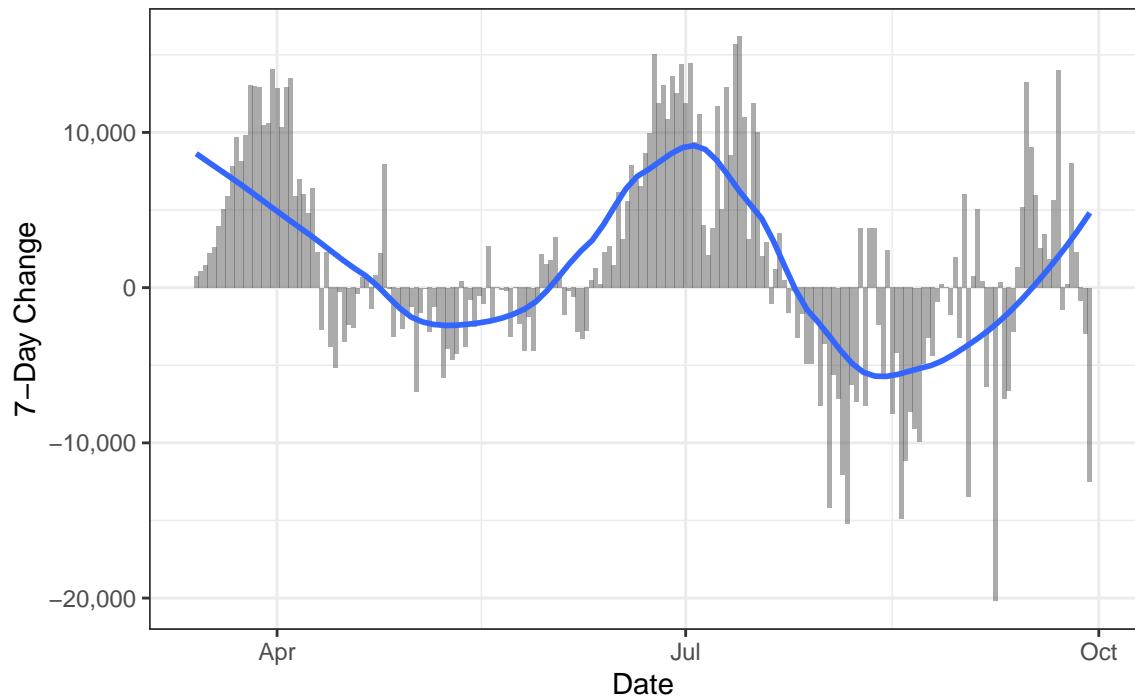
### Active Cases



### New Cases

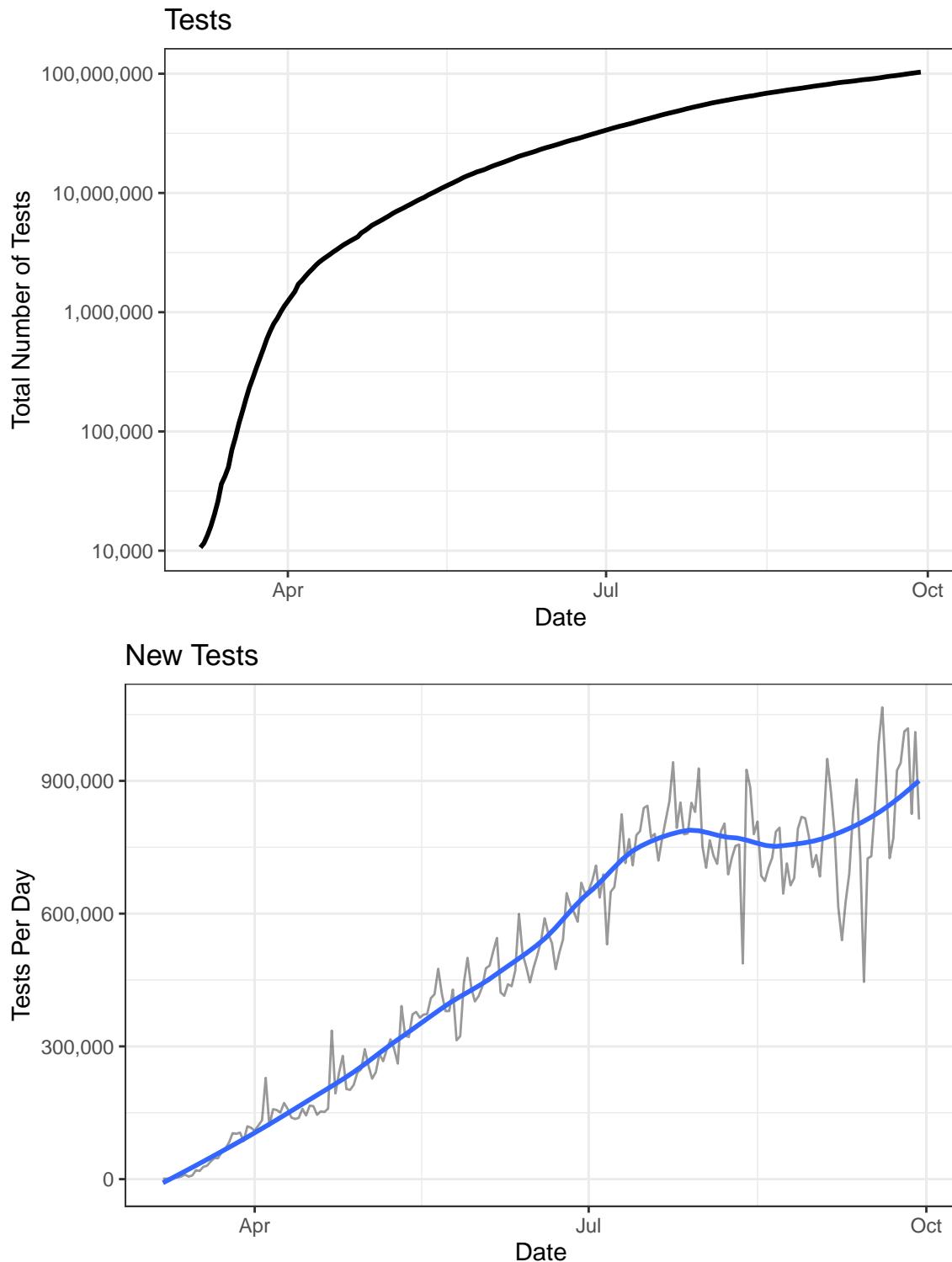


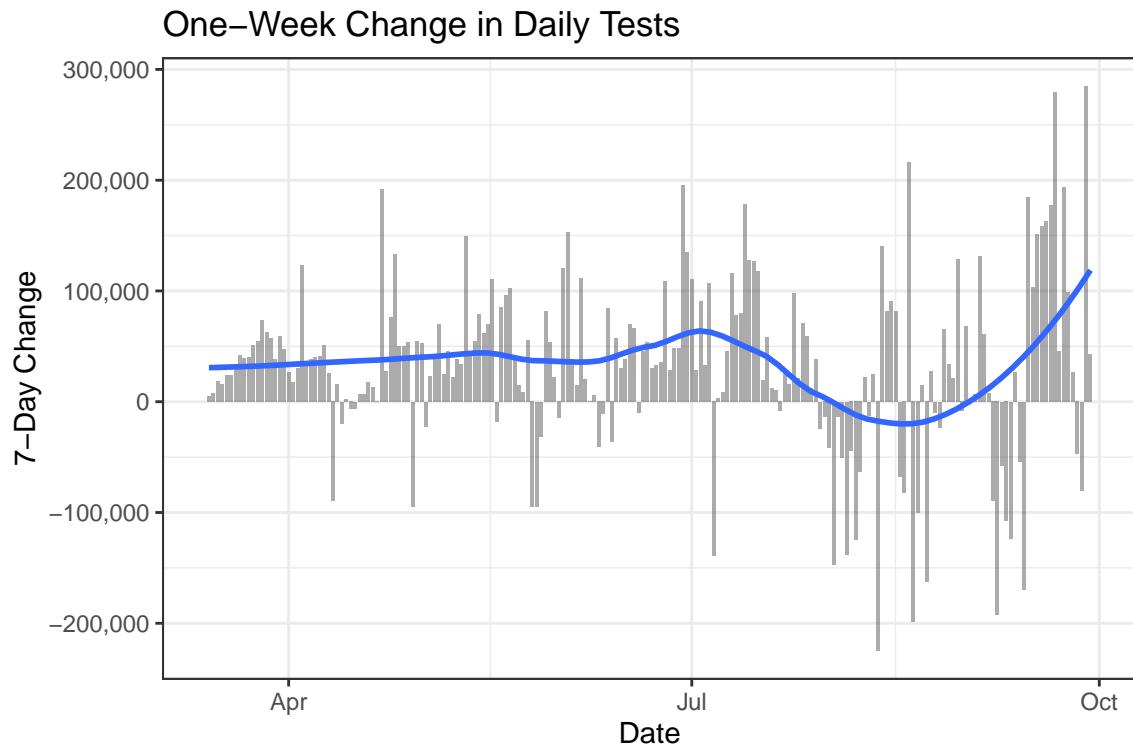
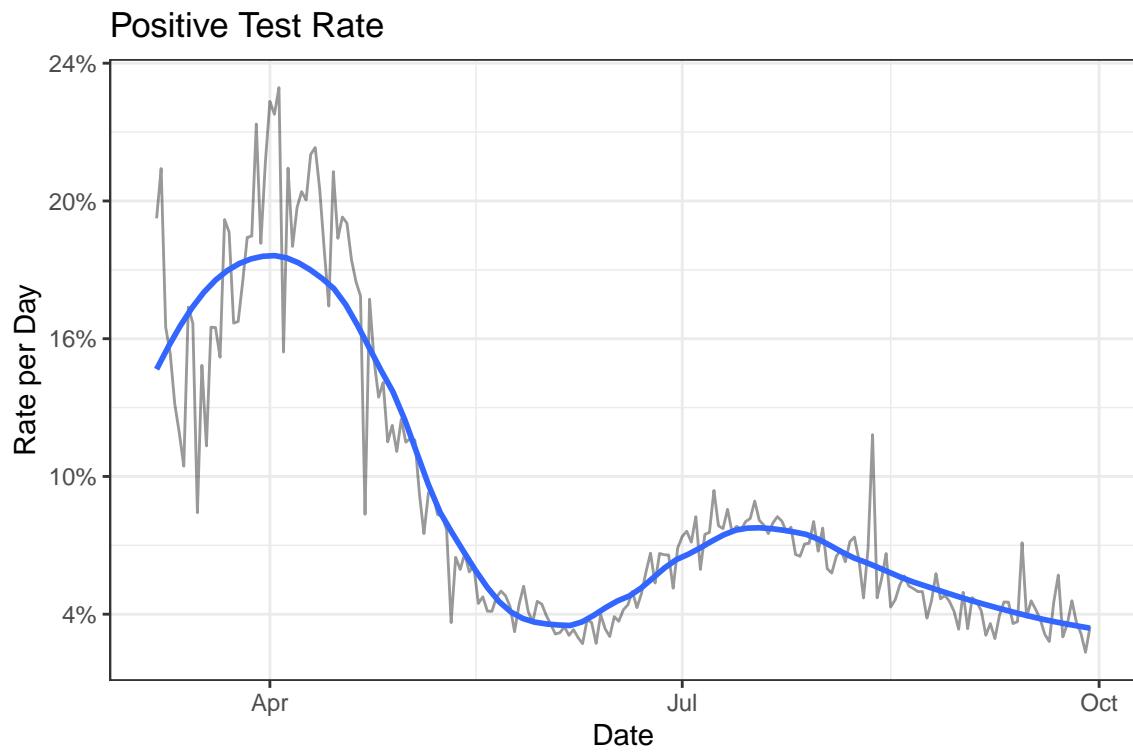
## One-Week Change in Daily Cases



## 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.



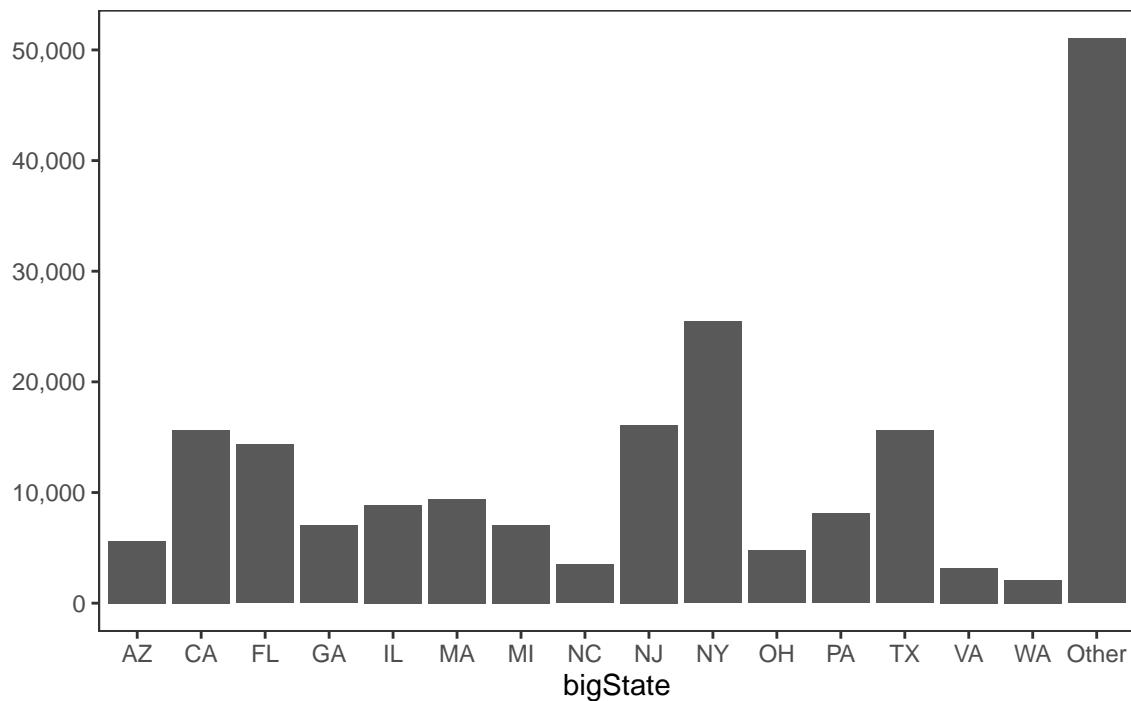


## State Data

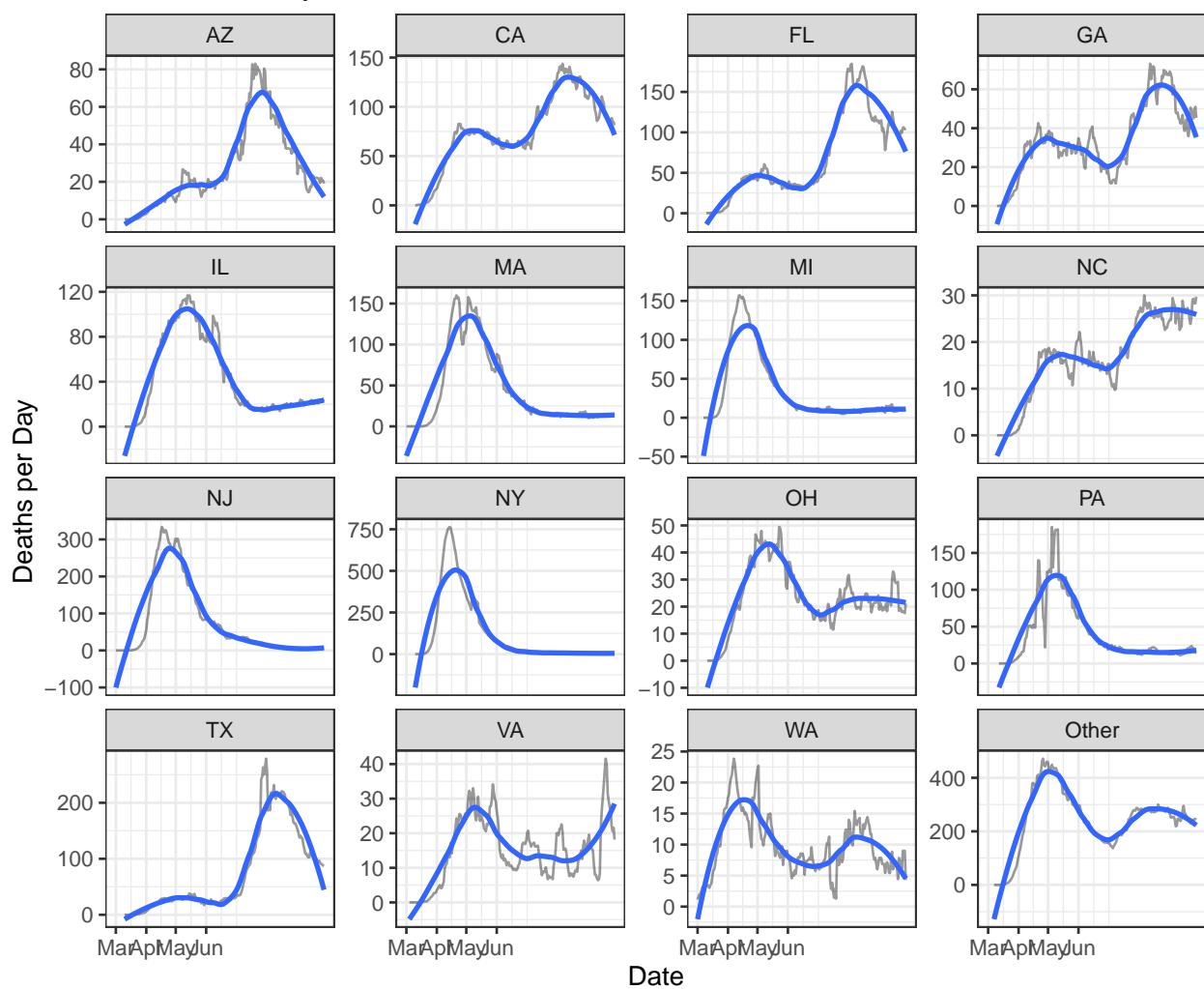
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

### Deaths

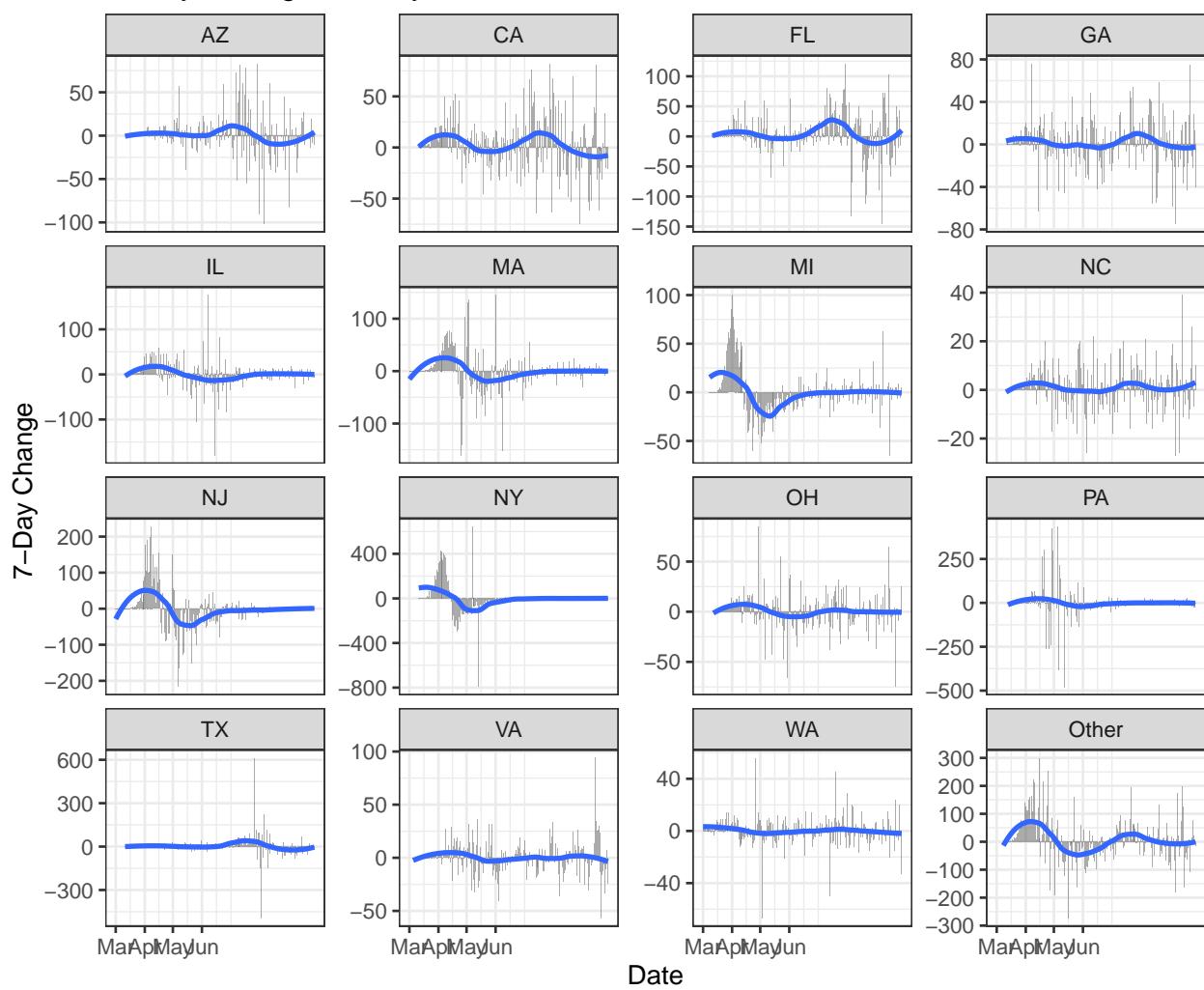
Deaths by State

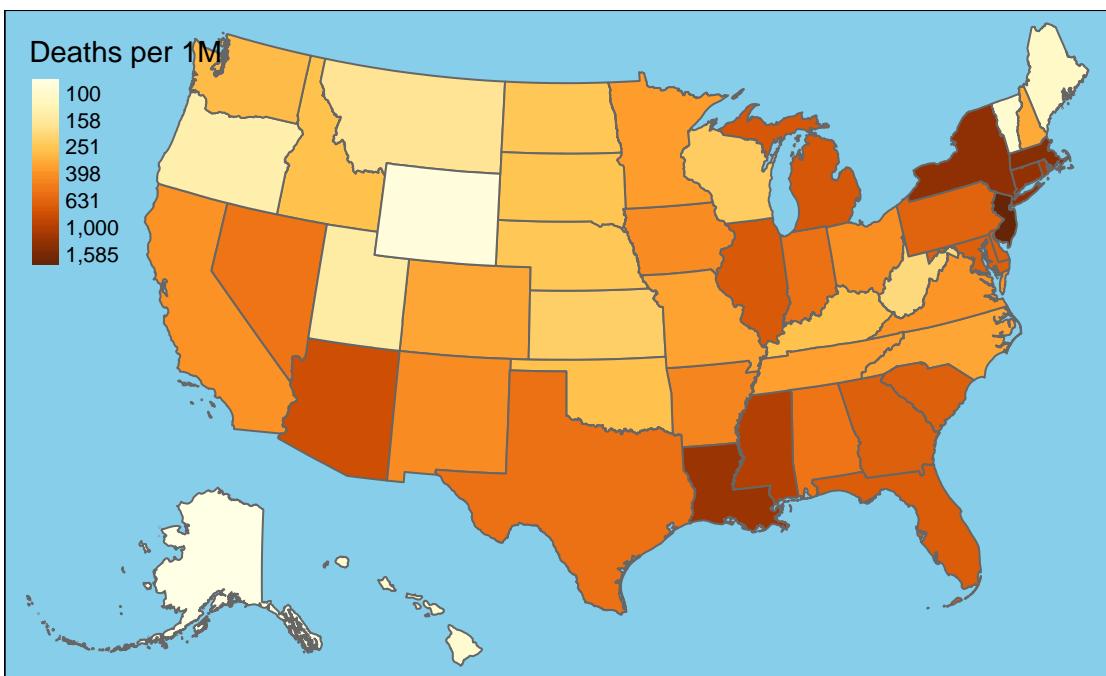
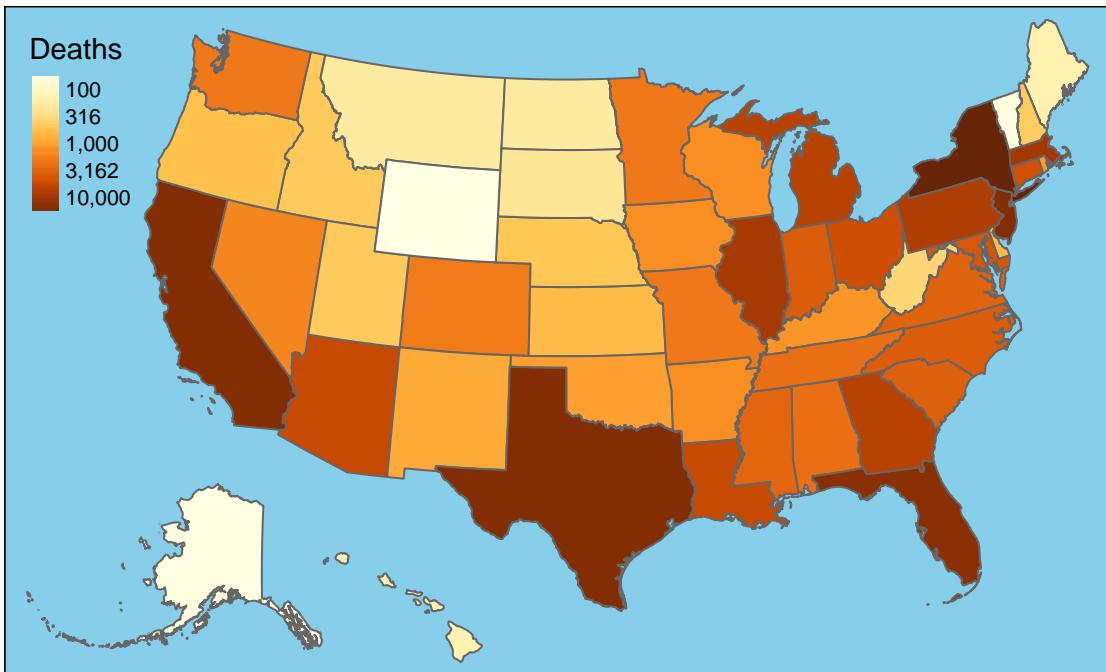


## New Deaths by State



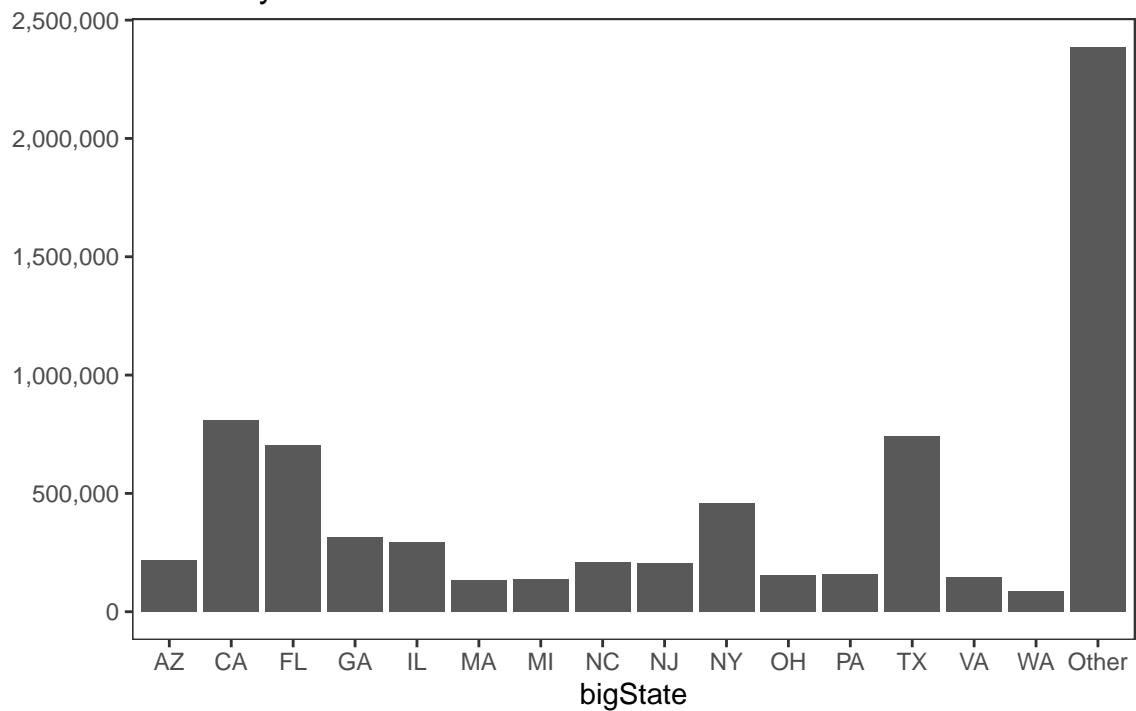
### 7-Day Change in Daily Deaths



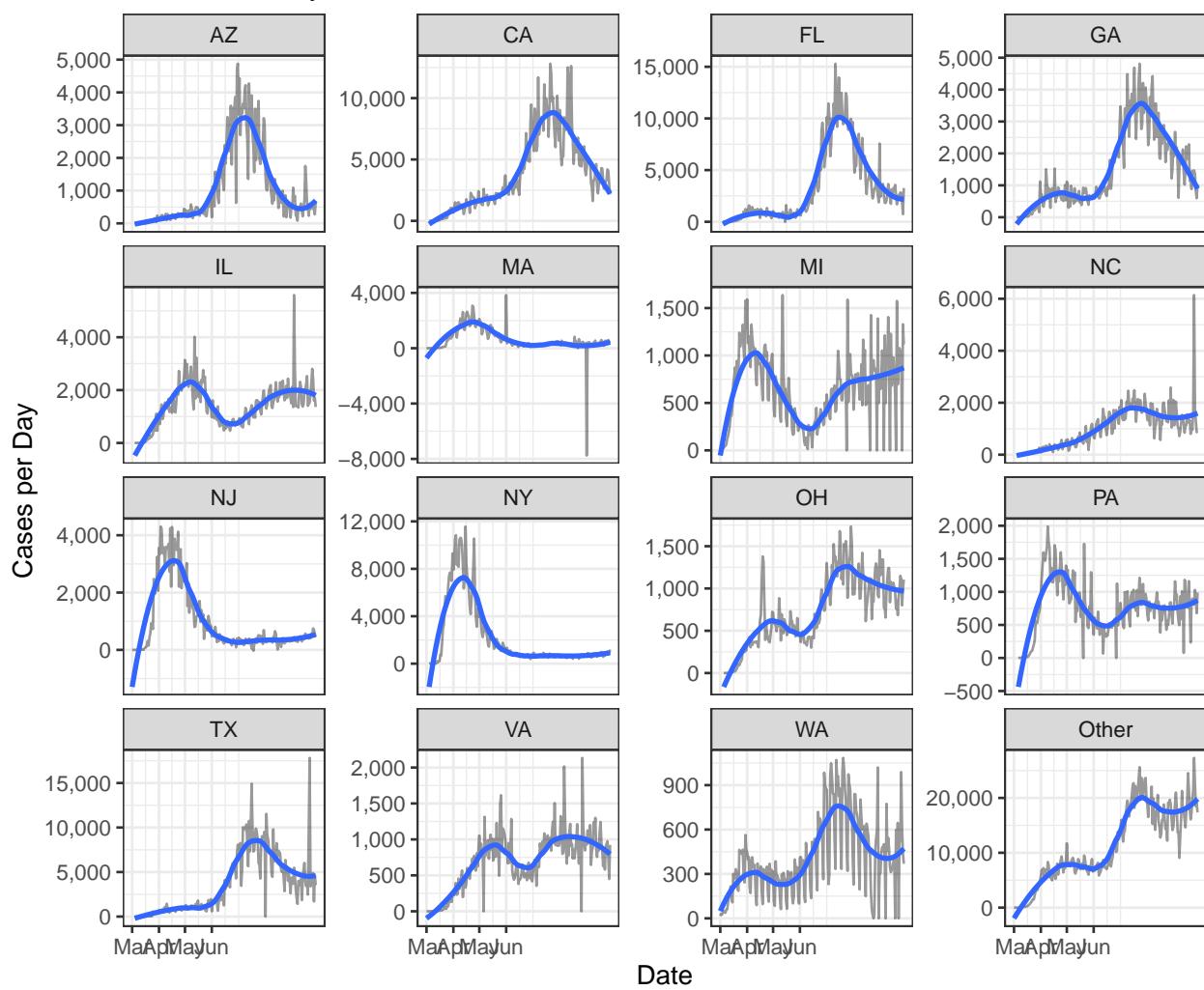


Cases

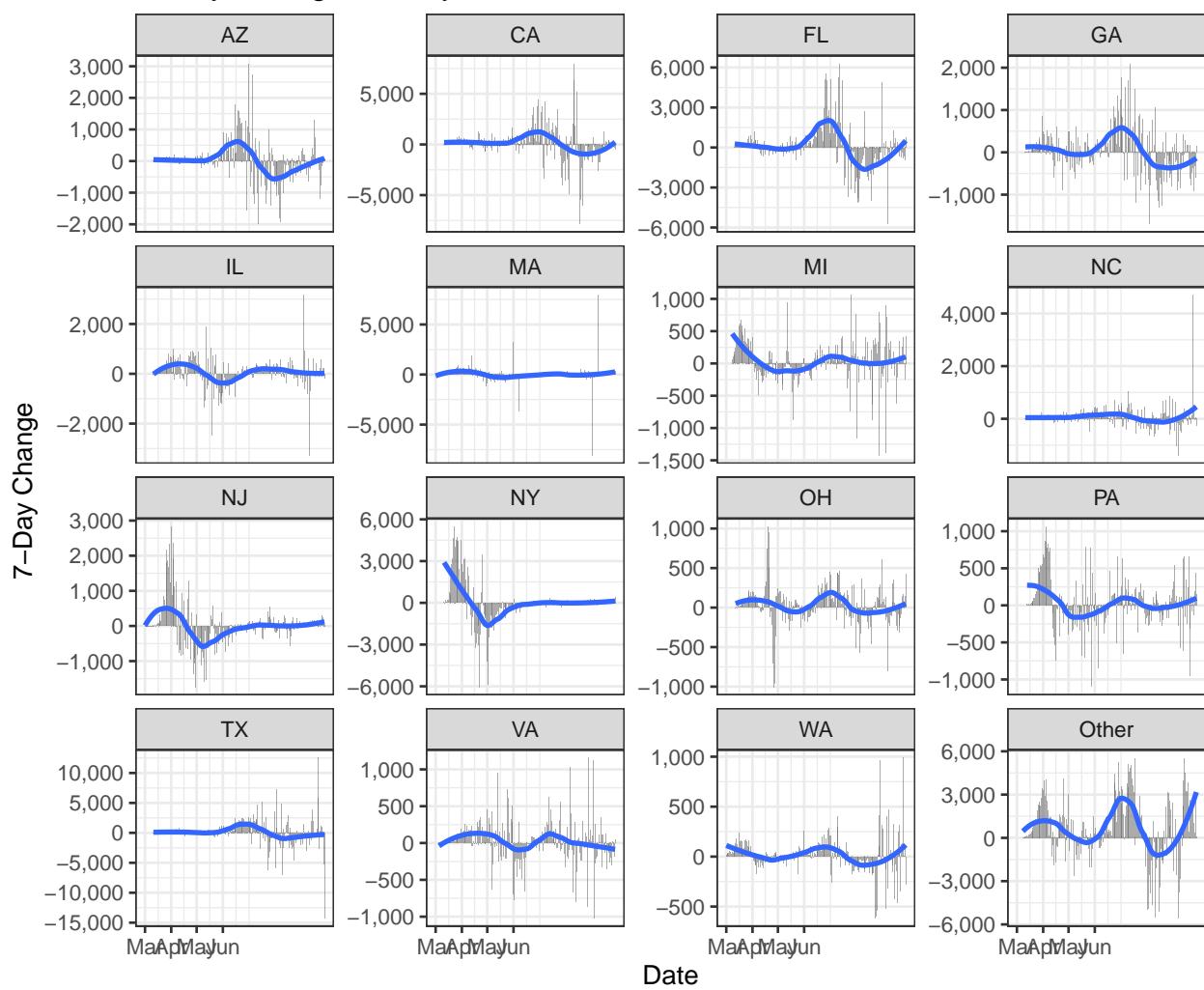
Cases by State

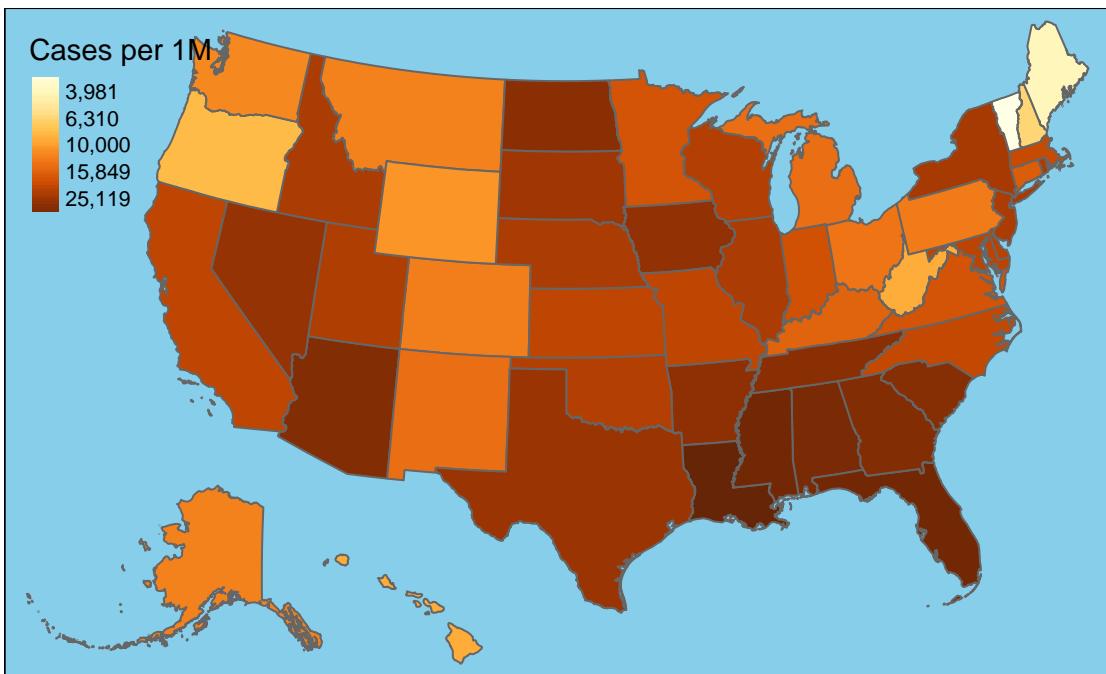
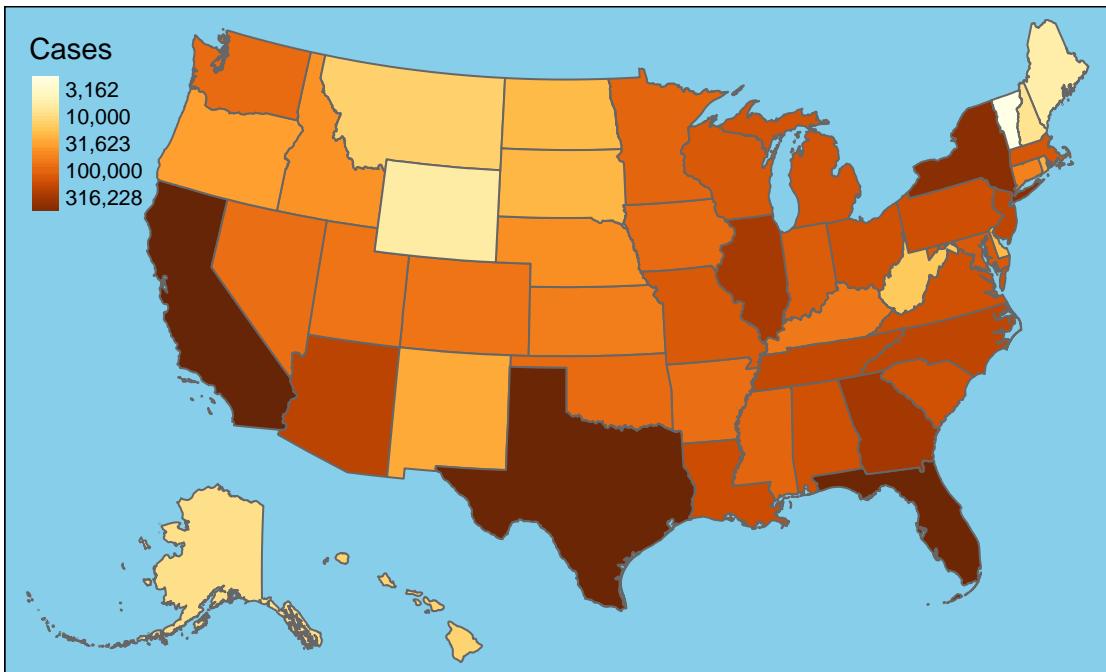


## New Cases by State

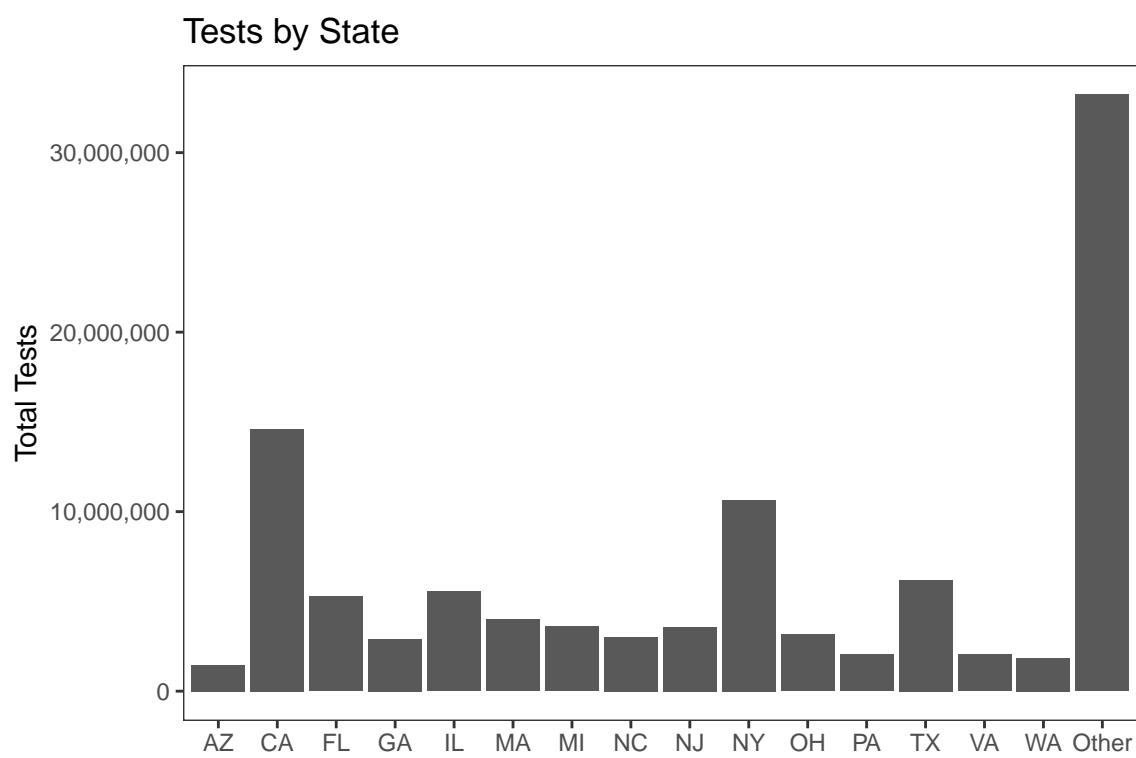


## 7-Day Change in Daily Cases

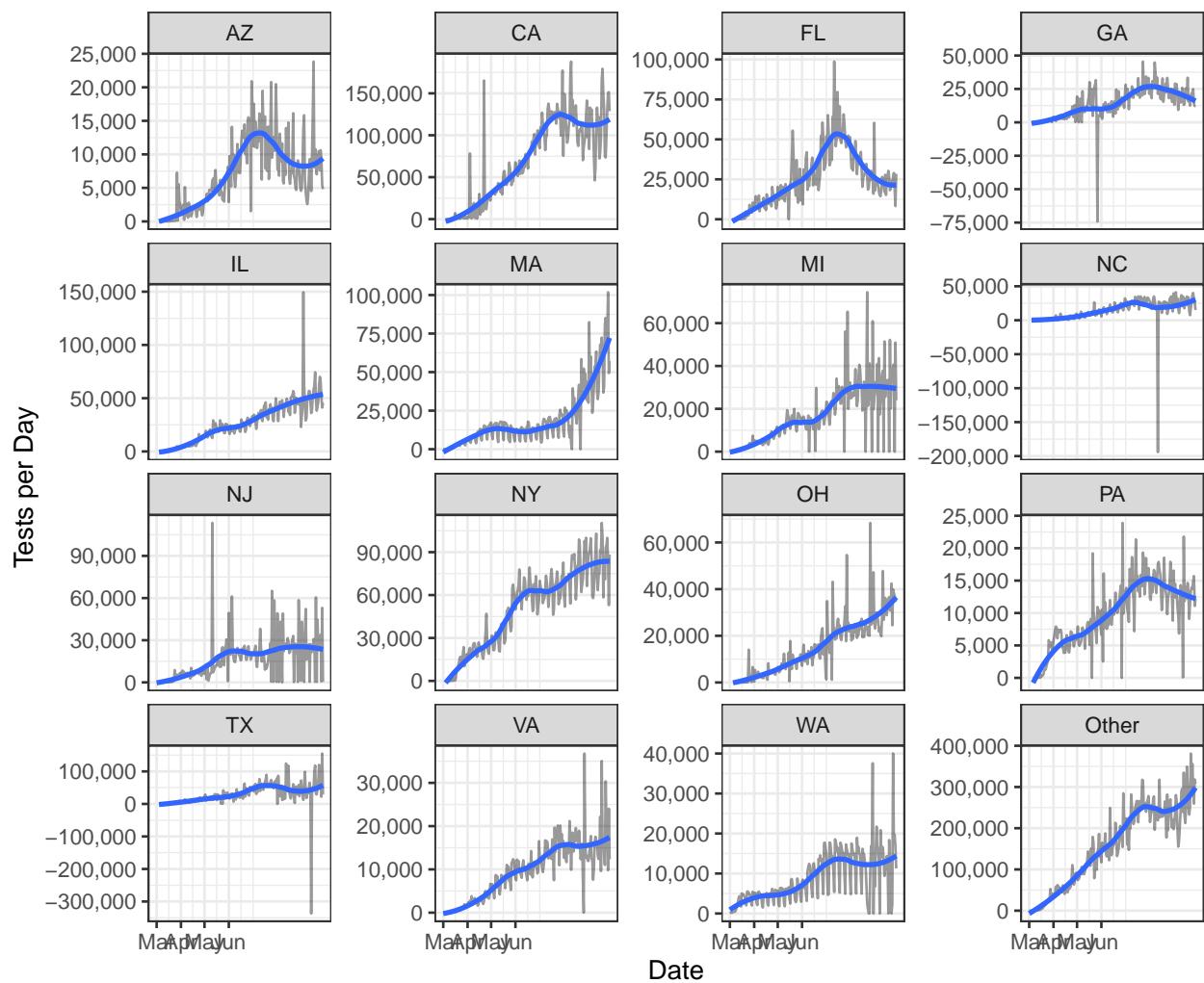


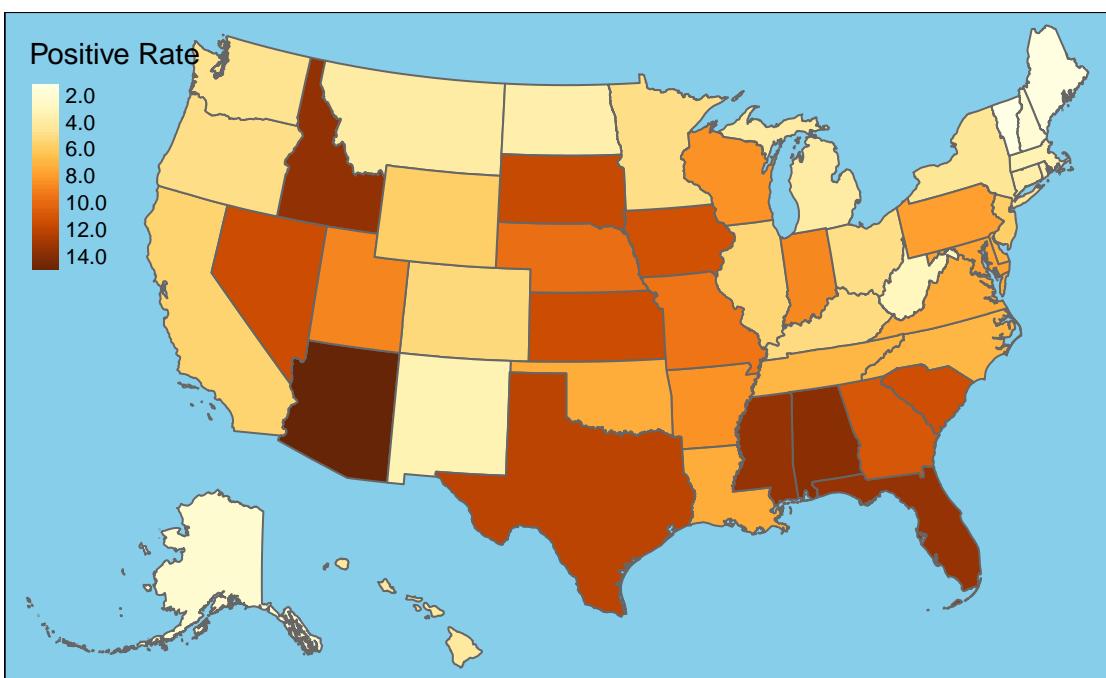
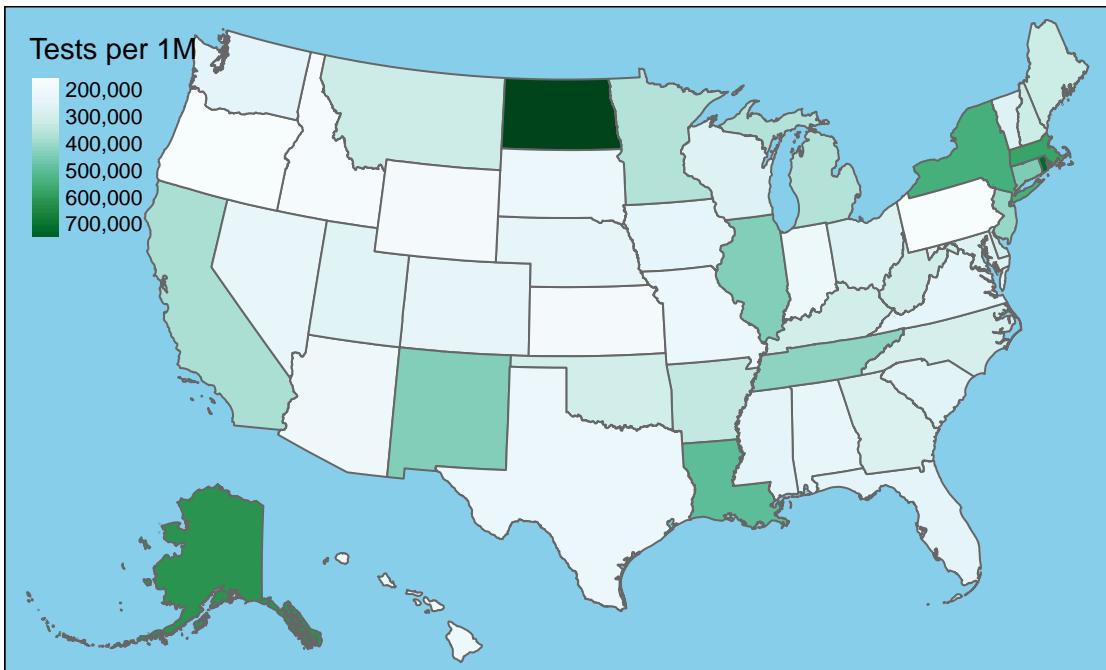


## Testing



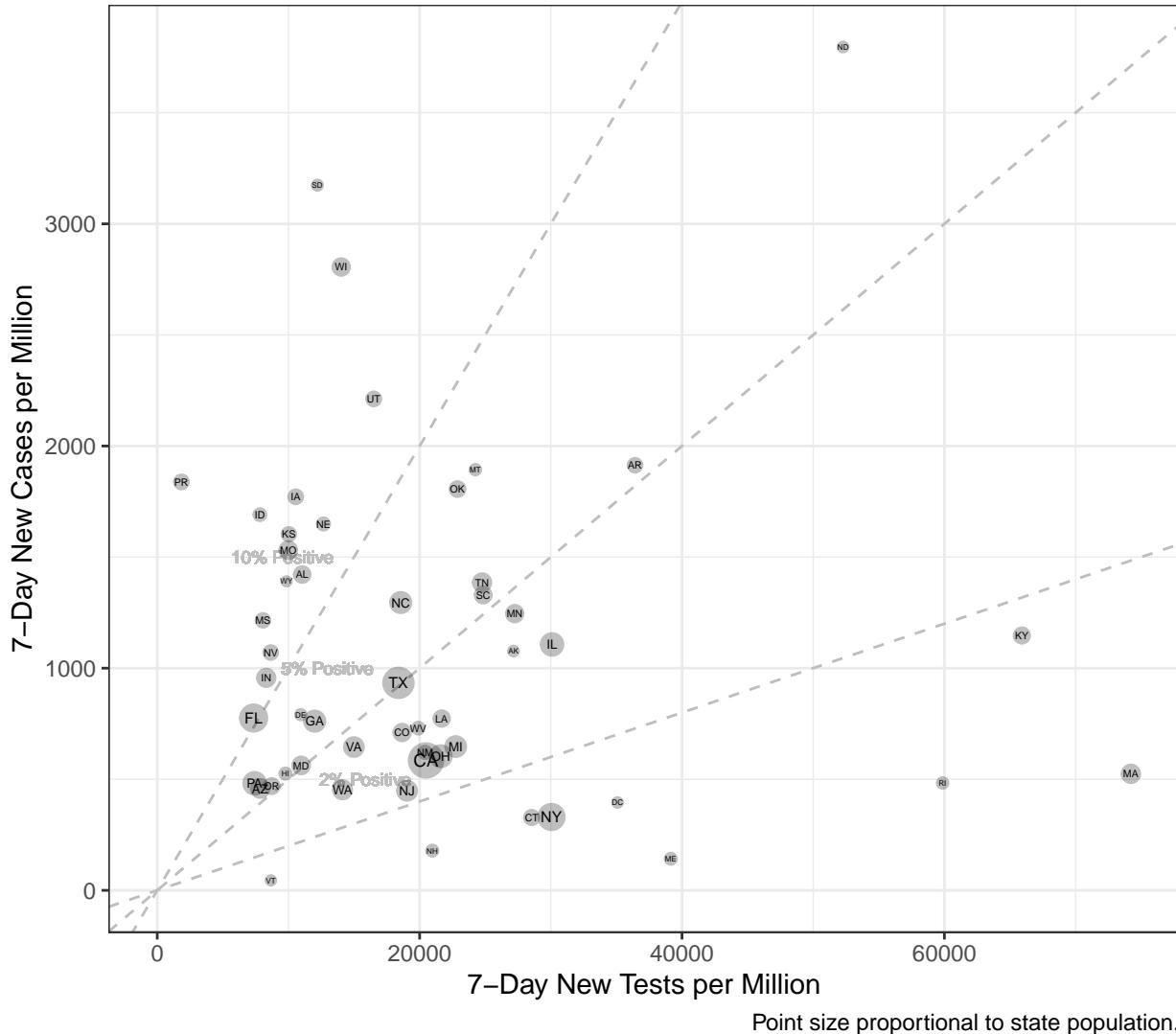
## New Tests by State





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



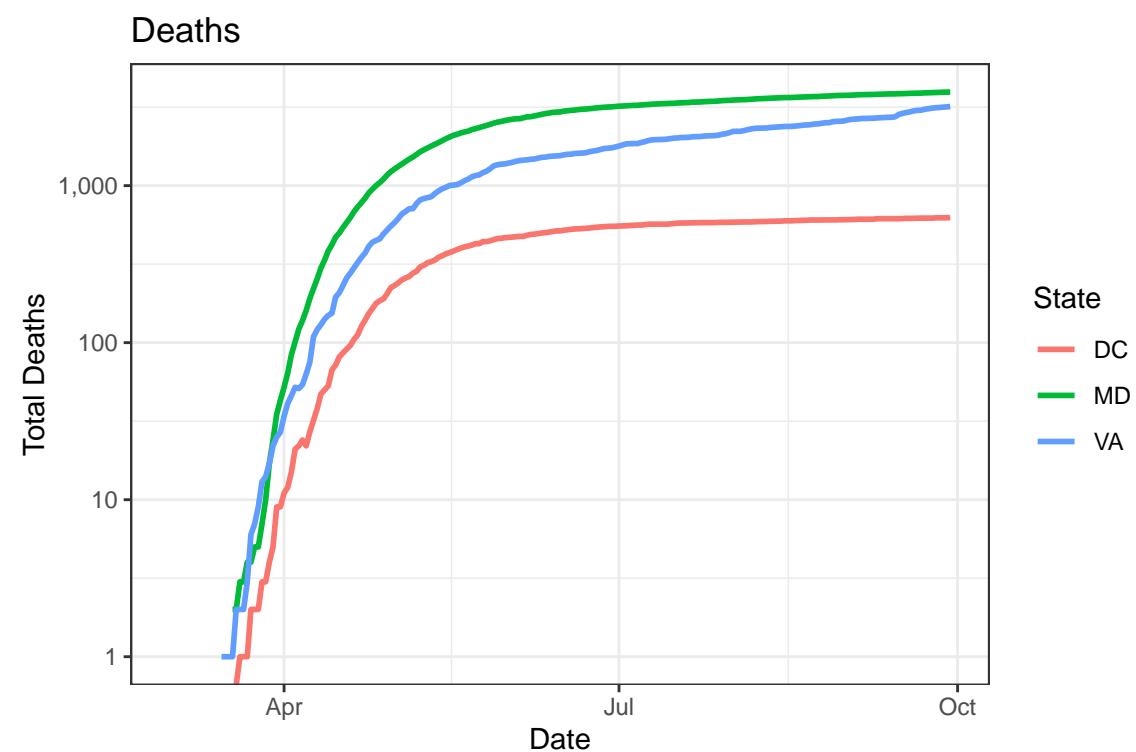
## Local Data

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

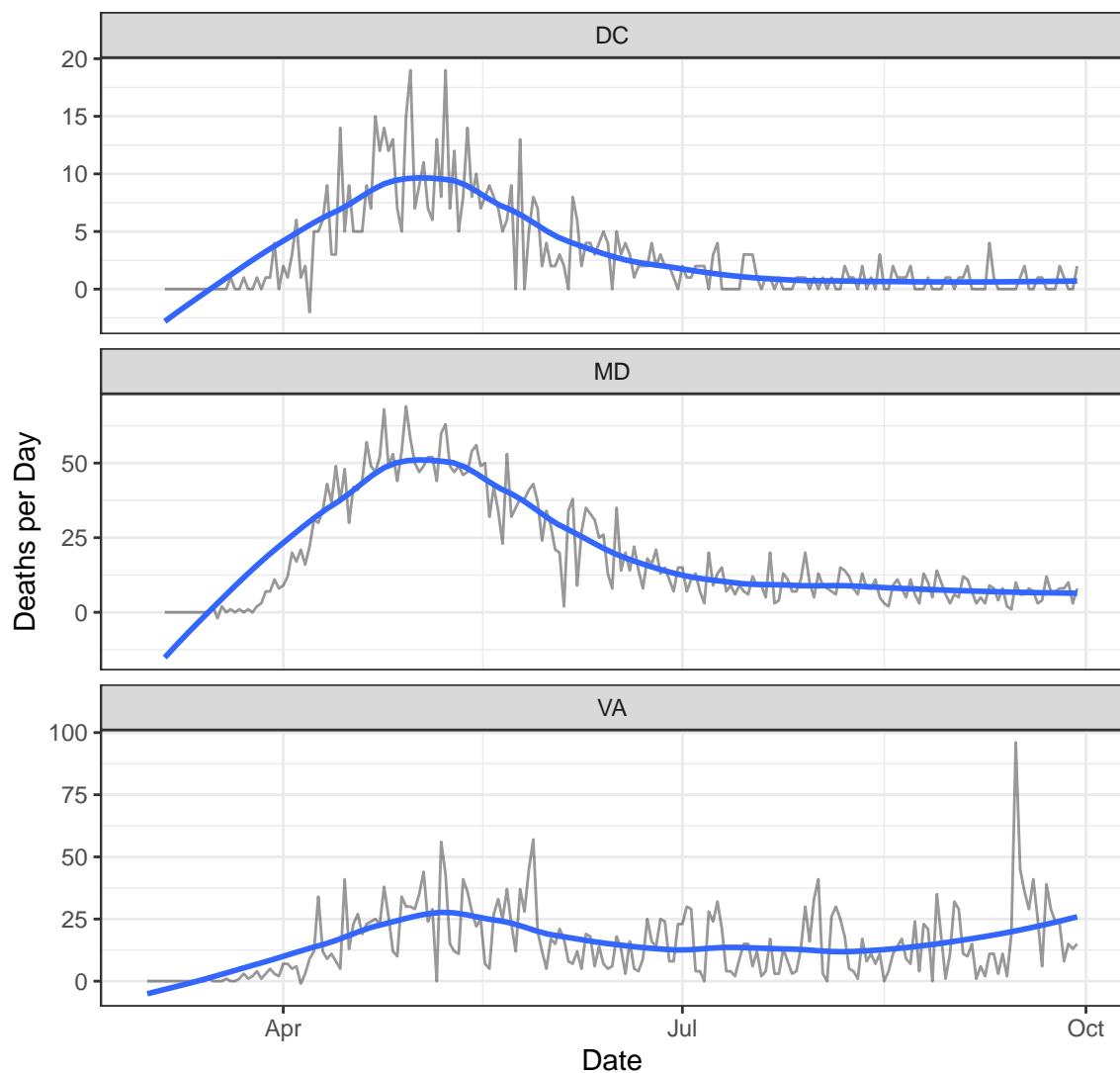
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,300	626	36	2
MD	124,311	3,946	431	8
VA	147,516	3,187	923	15

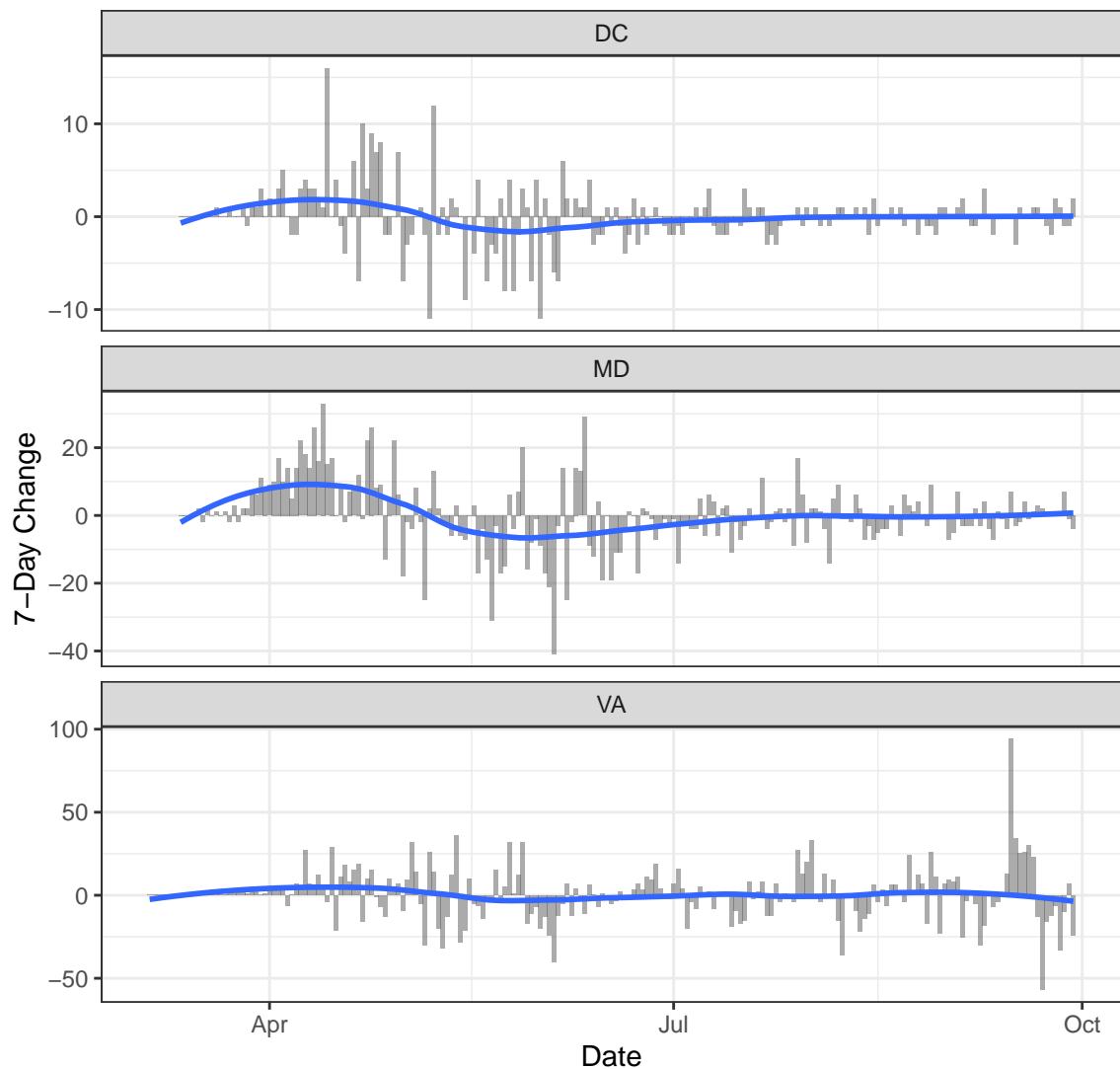
## Deaths

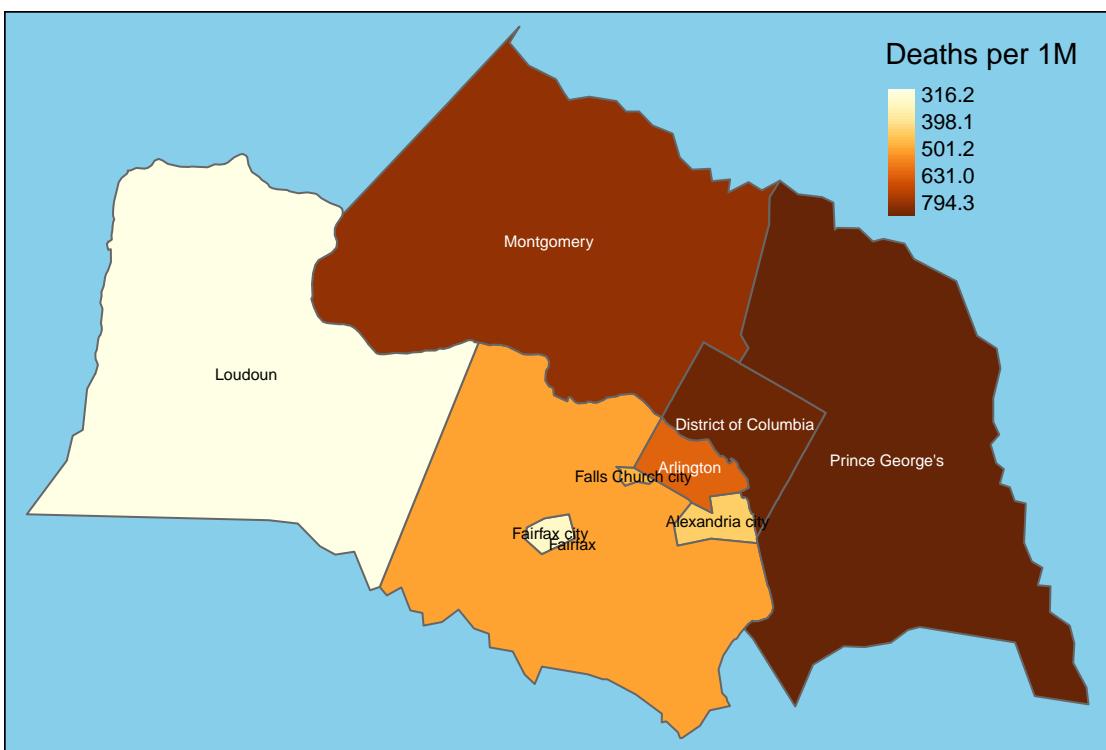
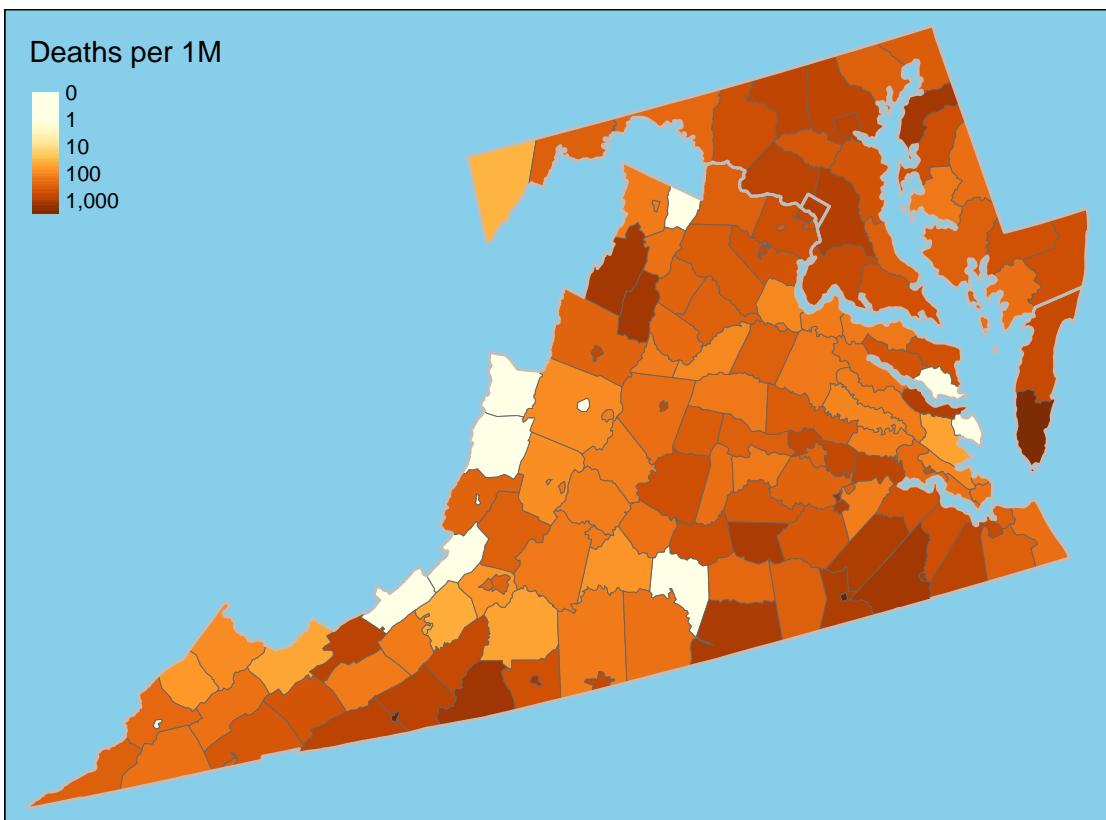


## New Deaths

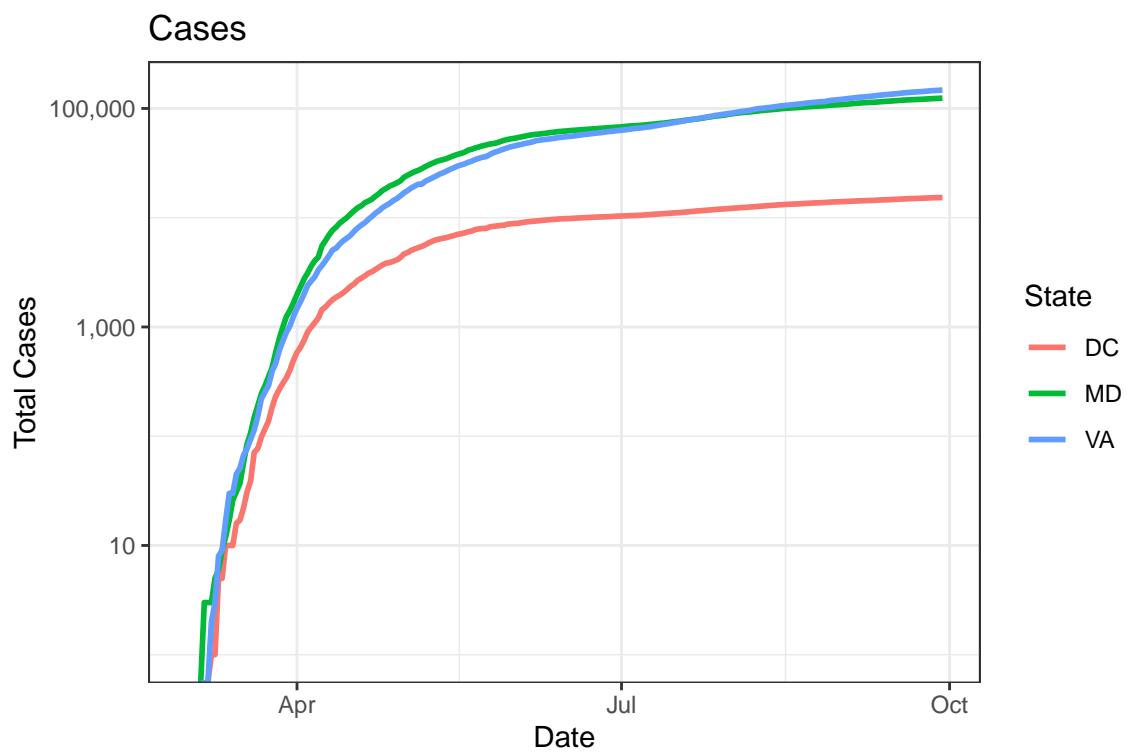


## One-Week Change in Daily Deaths

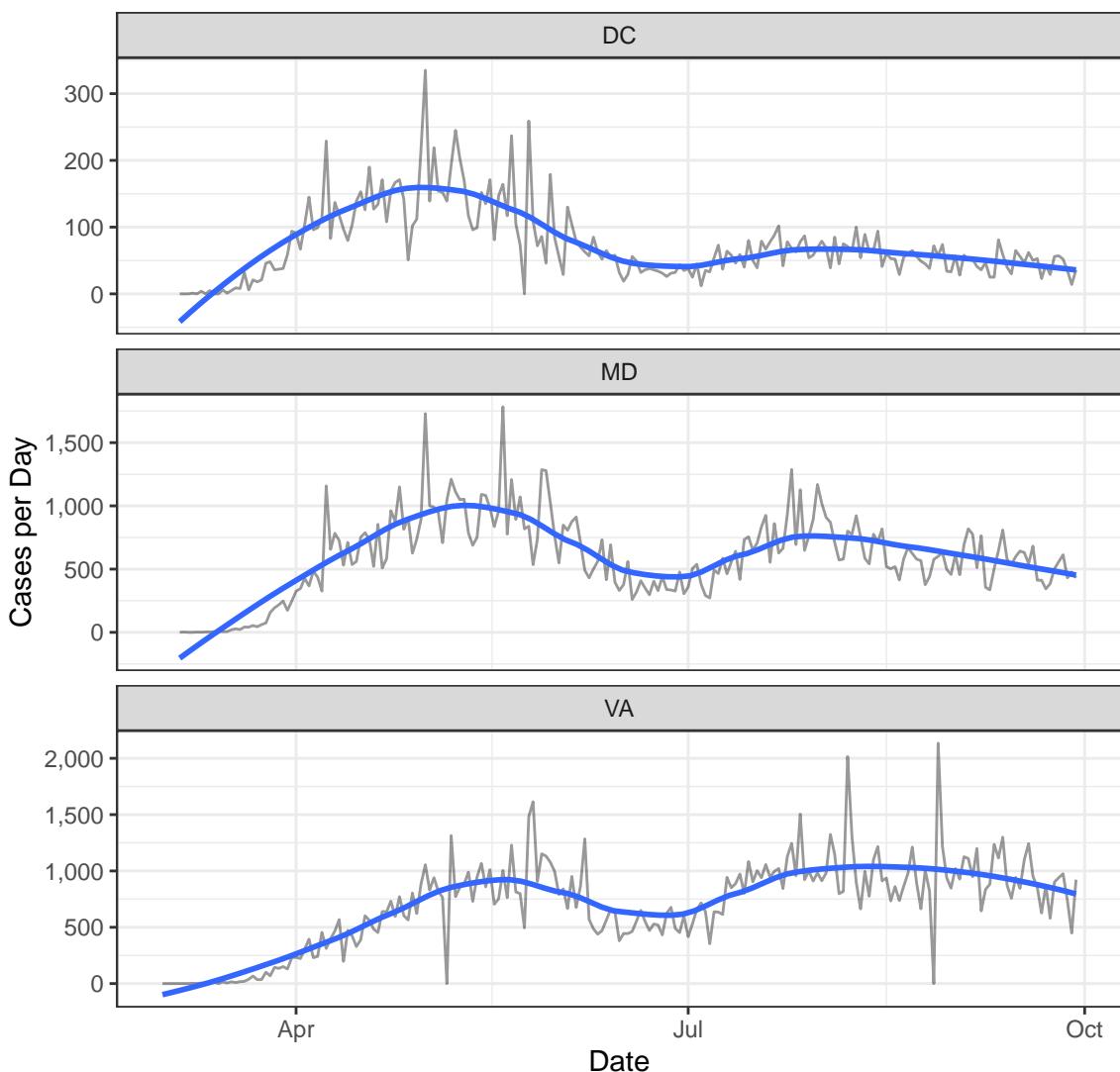




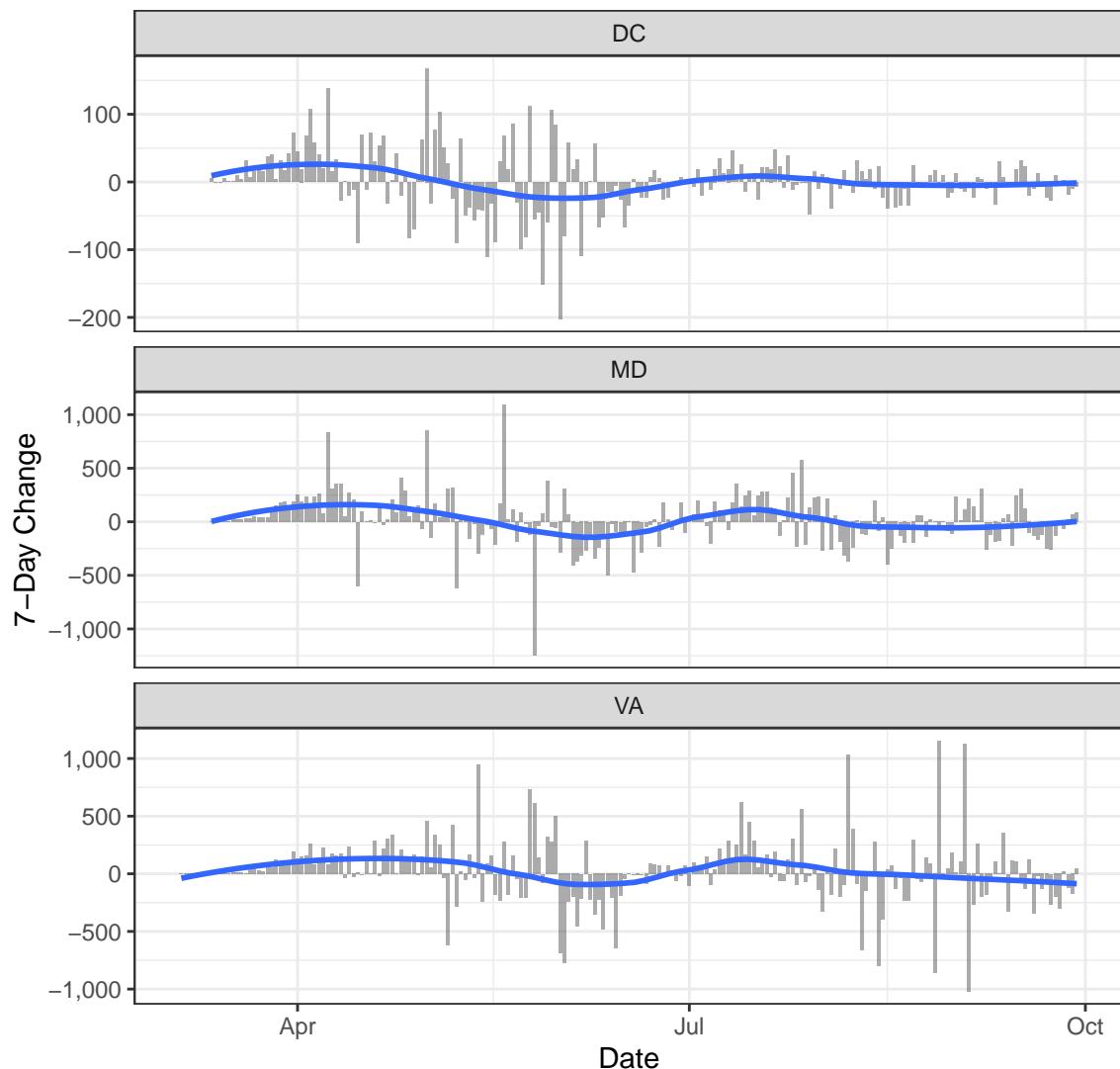
Cases

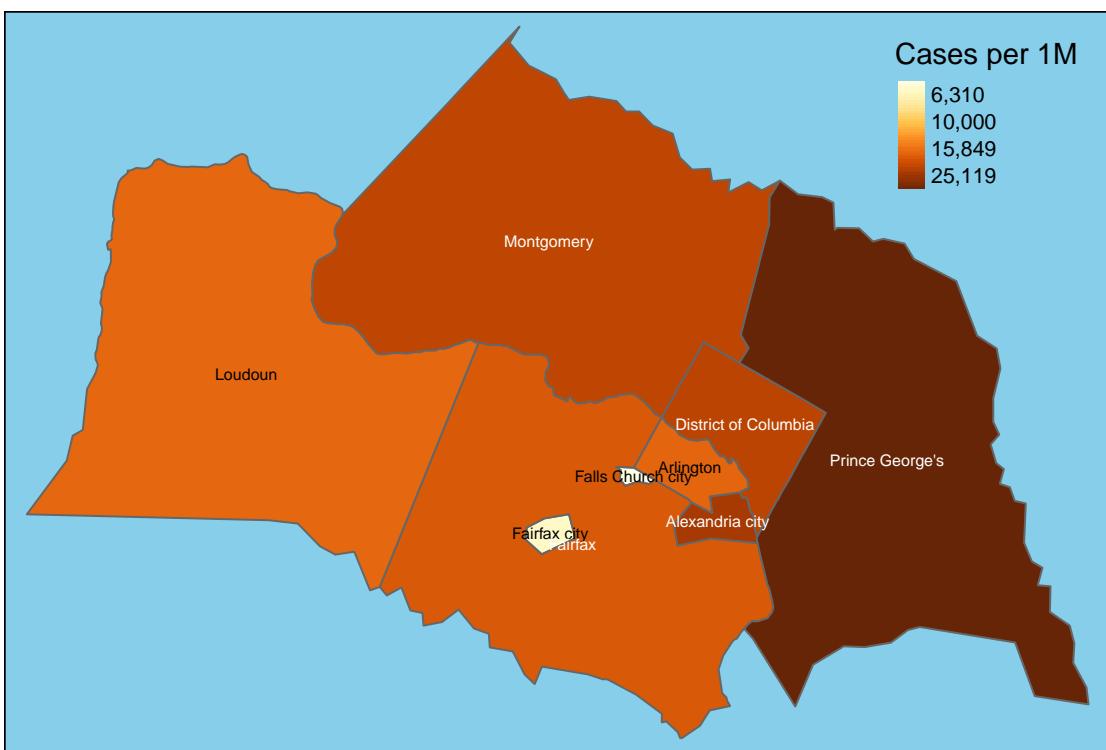
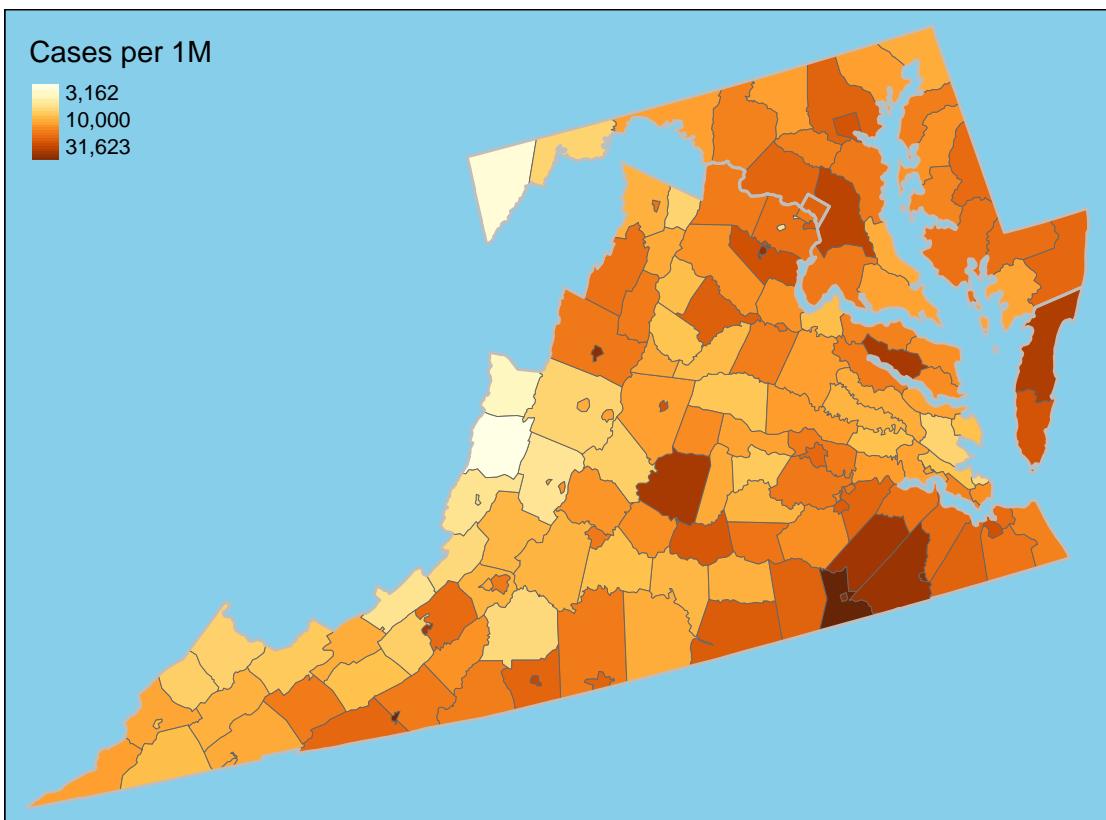


## New Cases

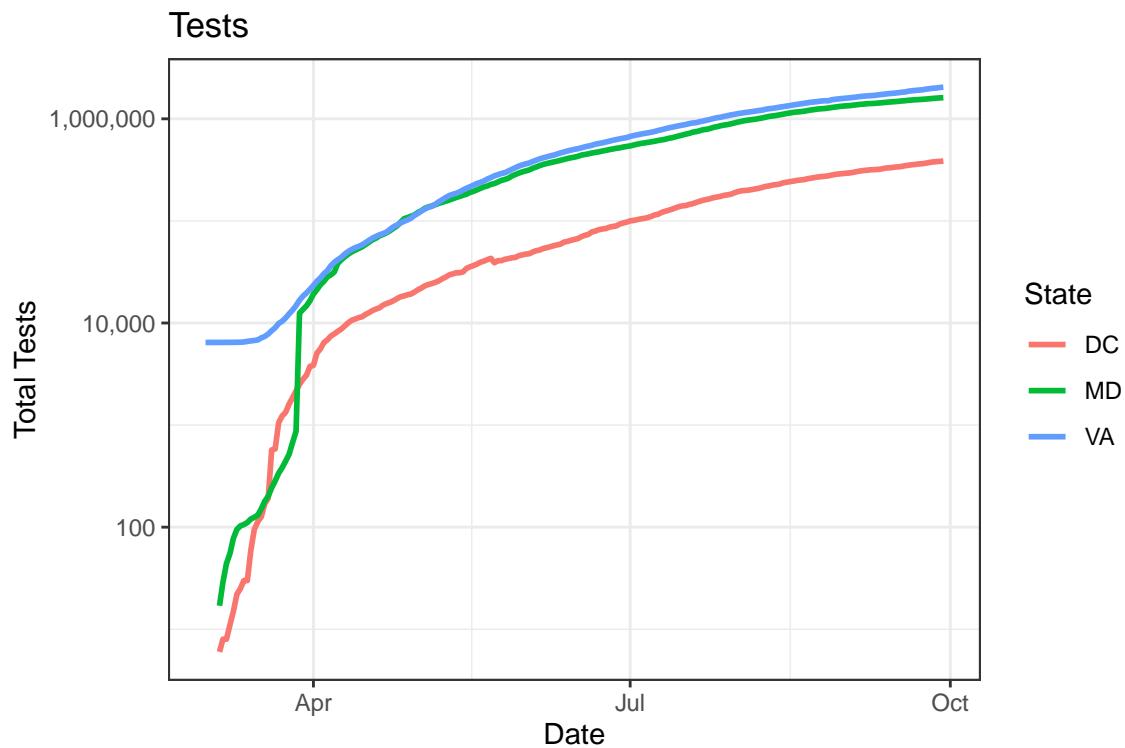


### One-Week Change in Daily Cases

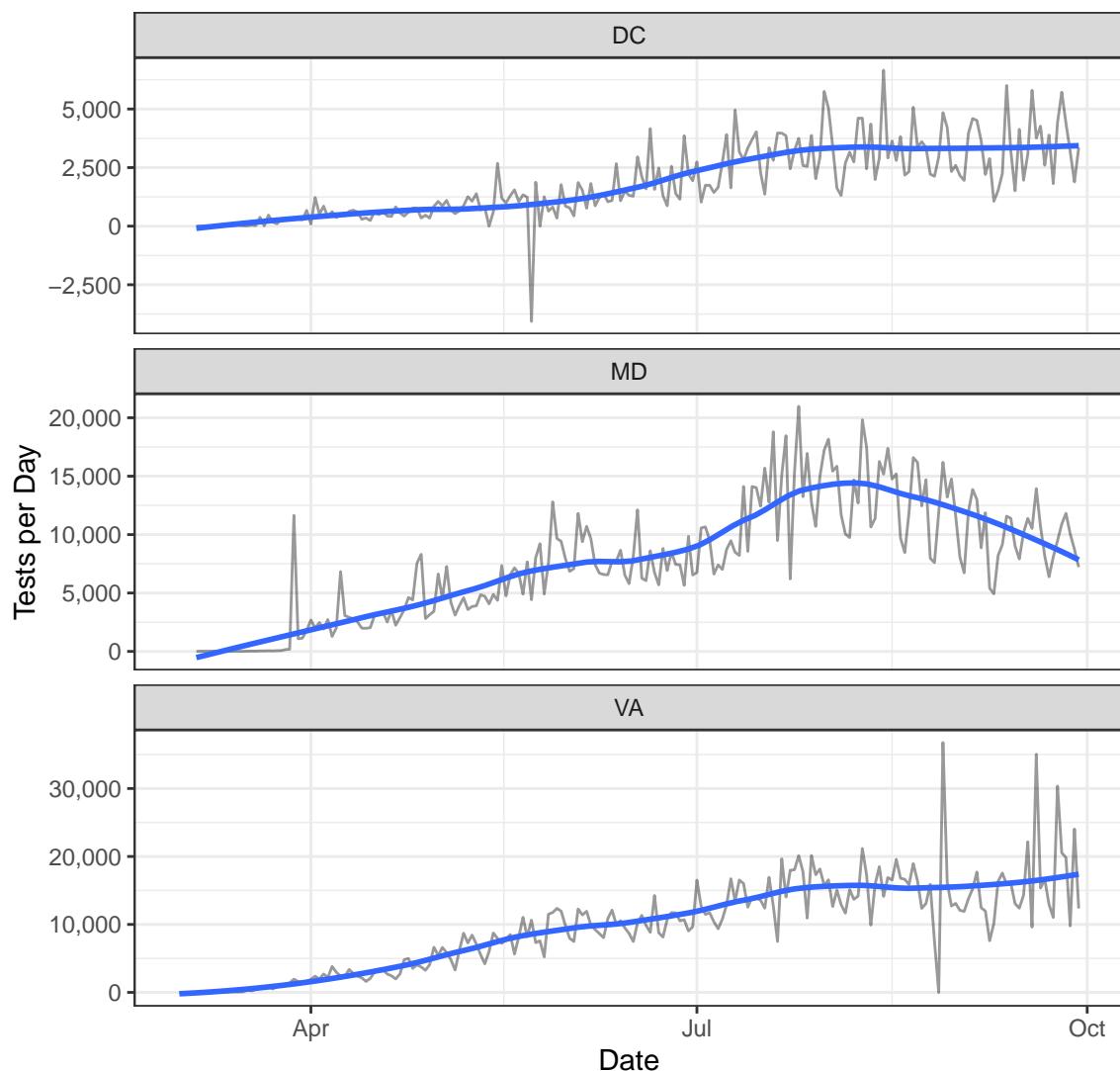




## Testing



## New Tests



## Positive Test Rate

