

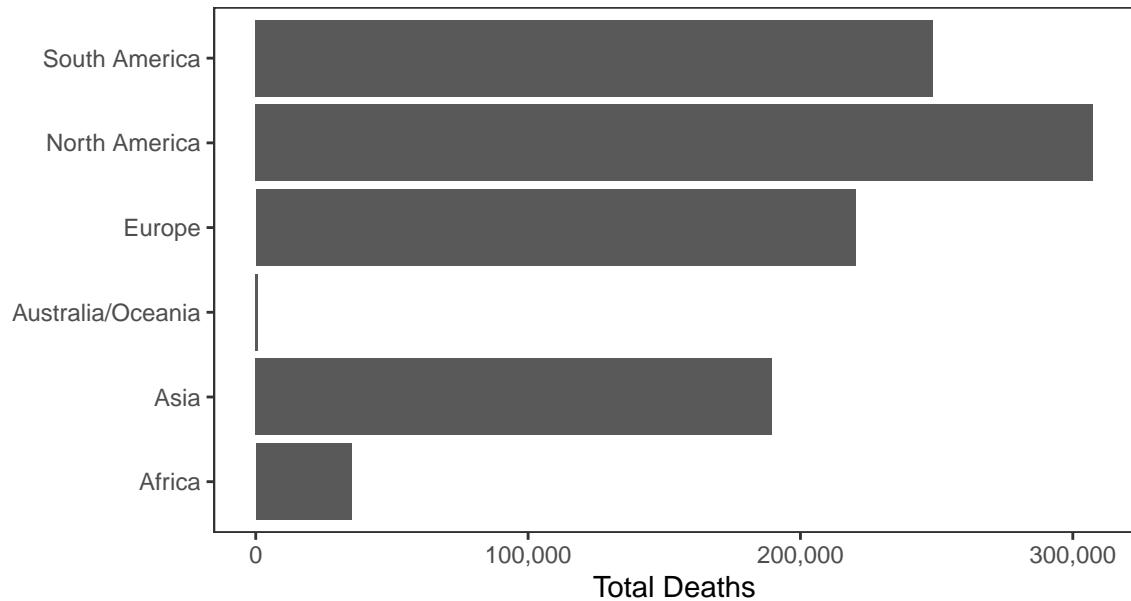
Erik's Covid-19 Chart Pack

Data updated 2020-09-27 22:40:18. 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 33,298,956 confirmed Covid-19 cases and 1,002,158 deaths worldwide.

Deaths



Cases

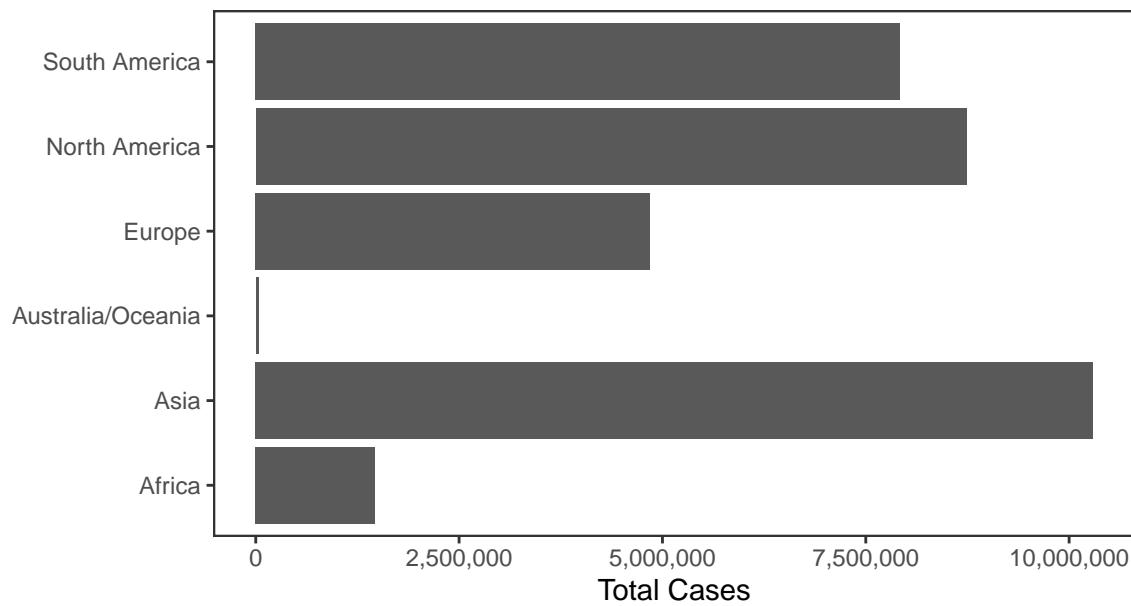
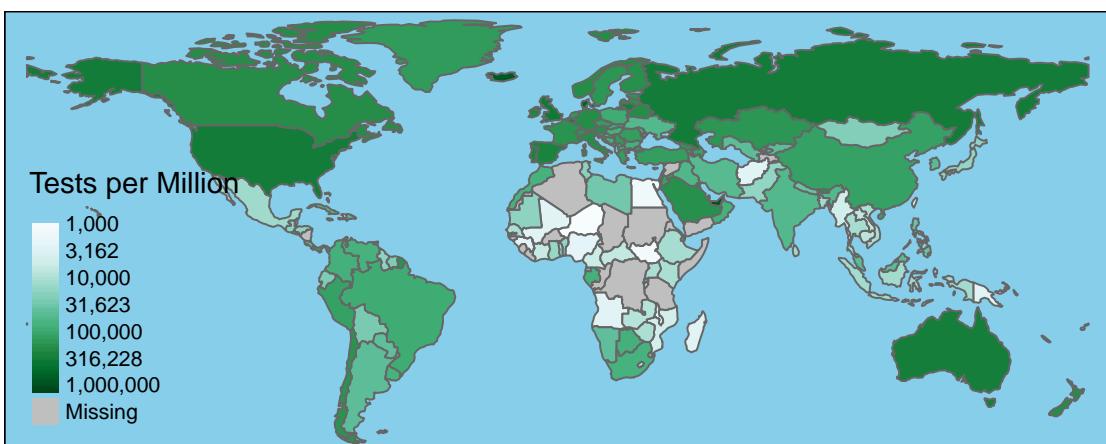
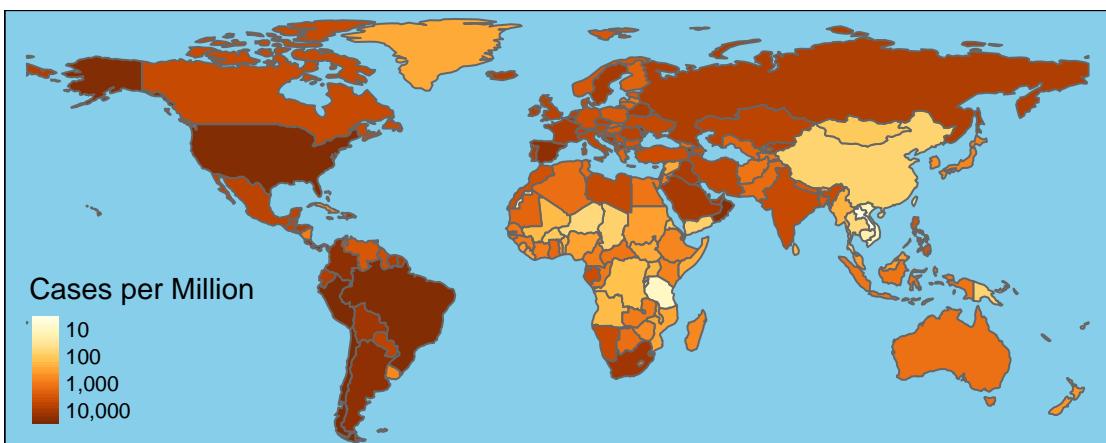
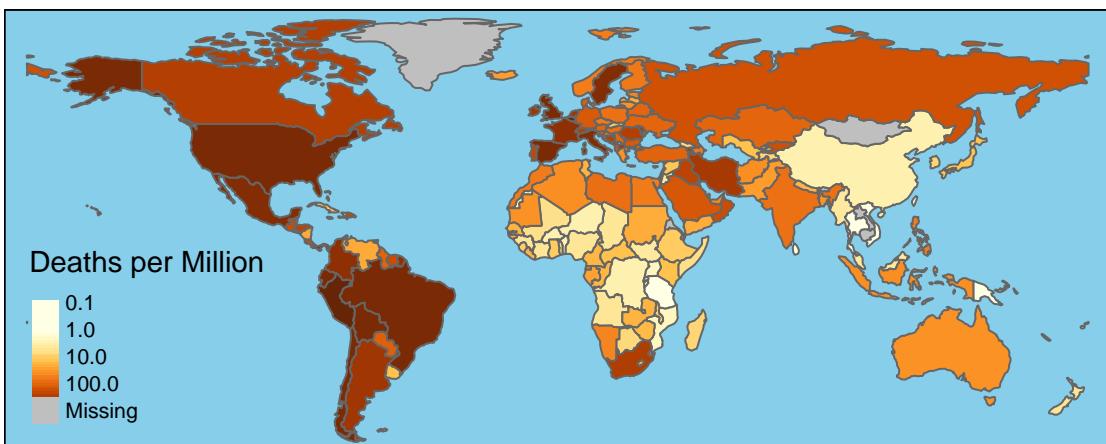


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	7,321,343	209,453	33,782	276
India	6,073,348	95,574	82,767	1,040
Brazil	4,732,309	141,776	14,194	335
Russia	1,151,438	20,324	7,867	99
Colombia	813,056	25,488	7,018	192
Peru	805,302	32,262	5,160	120
Spain	735,198	31,232	0	0
Mexico	726,431	76,243	5,573	399
Argentina	711,325	15,749	8,841	206
South Africa	670,766	16,398	1,268	22
France	538,569	31,727	11,123	27
Chile	457,901	12,641	1,922	50
Iran	446,448	25,589	3,362	195
UK	434,969	41,988	5,693	17
Bangladesh	359,148	5,161	1,275	32
Iraq	349,450	8,990	3,481	55
Saudi Arabia	333,193	4,683	403	28
Turkey	314,433	7,997	1,467	68
Pakistan	310,275	6,457	694	6
Italy	309,870	35,835	1,766	17



National Data

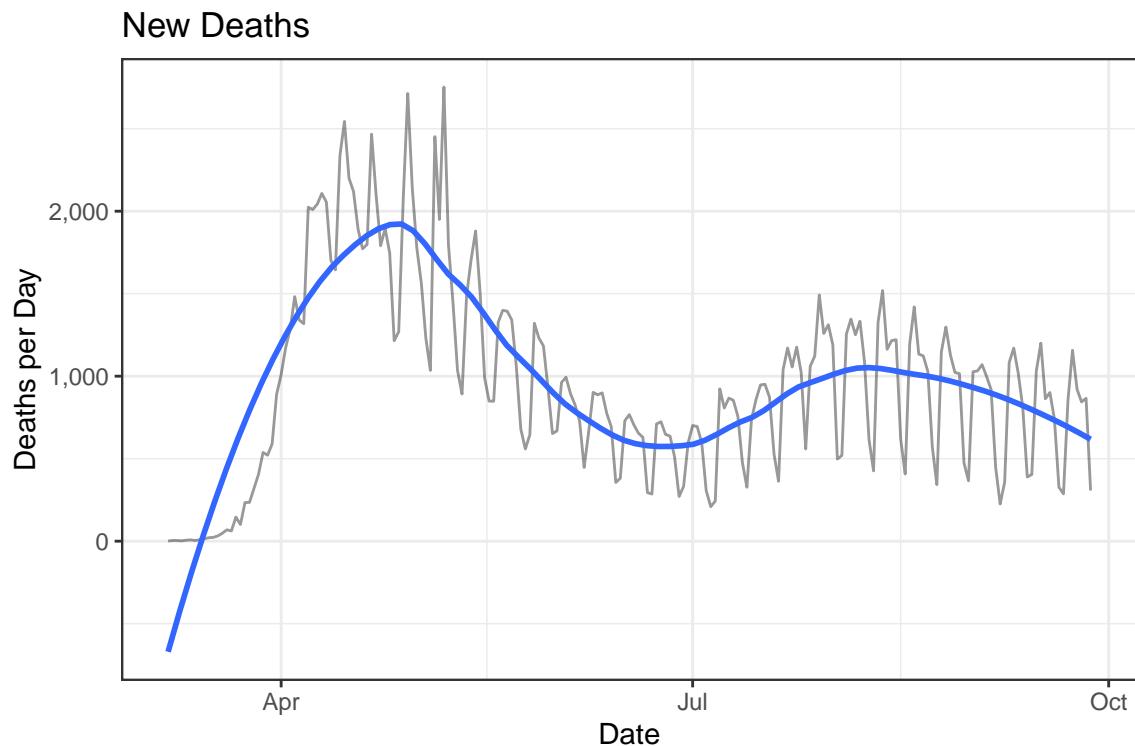
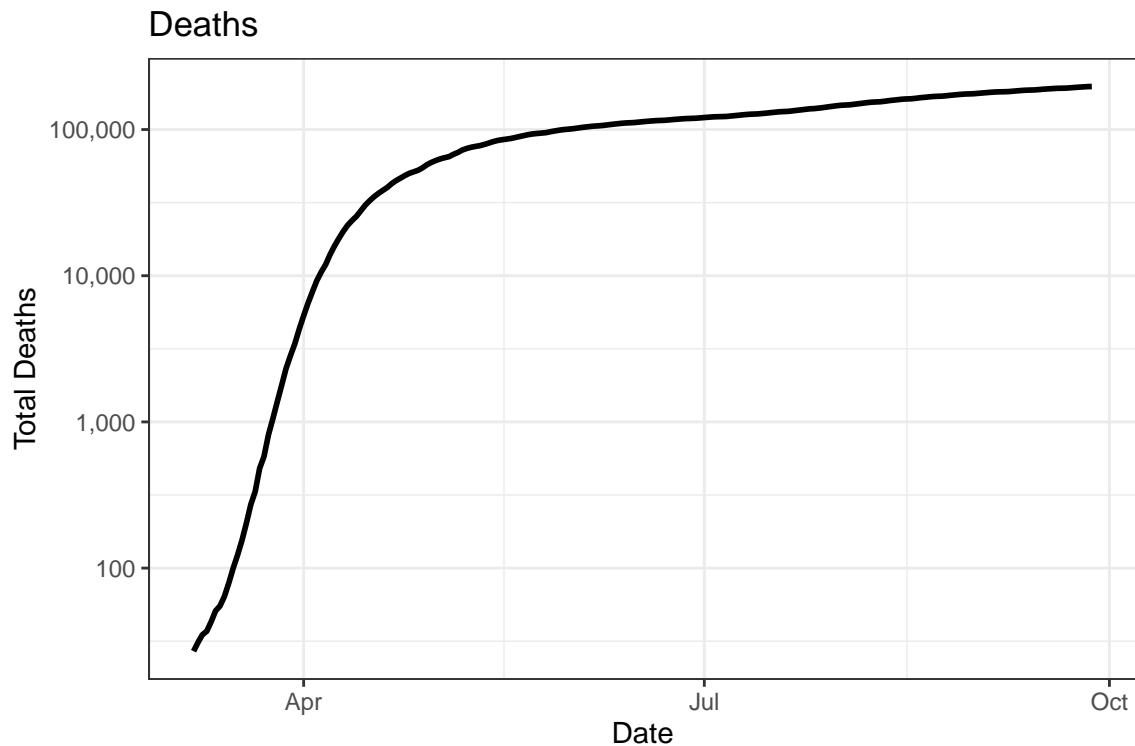
There have been 7,080,459 confirmed Covid-19 cases and 196,869 deaths in the United States.

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

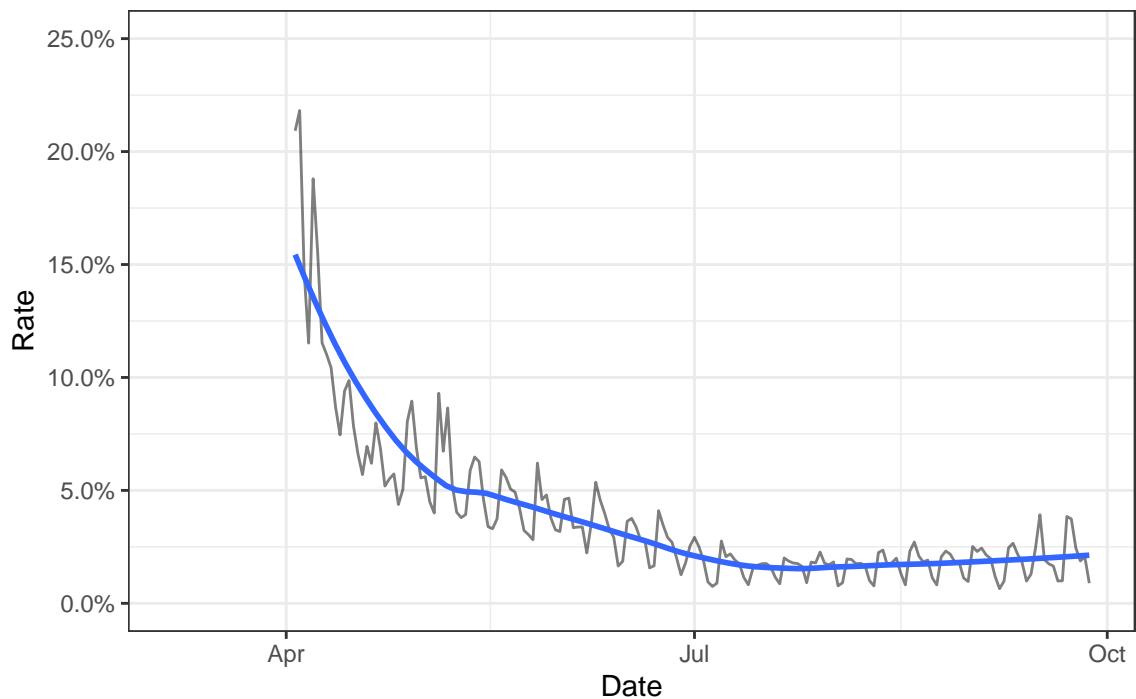
Date	Cases	Deaths	New Cases	New Deaths
2020-09-27	7,080,459	196,869	35,289	307
2020-09-26	7,045,170	196,562	47,733	866
2020-09-25	6,997,437	195,696	55,526	844
2020-09-24	6,941,911	194,852	43,772	921
2020-09-23	6,898,139	193,931	38,567	1,157
2020-09-22	6,859,572	192,774	49,439	854
2020-09-21	6,810,133	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
2020-09-15	6,557,762	187,602	35,445	1,031
2020-09-14	6,522,317	186,571	33,864	404

Deaths

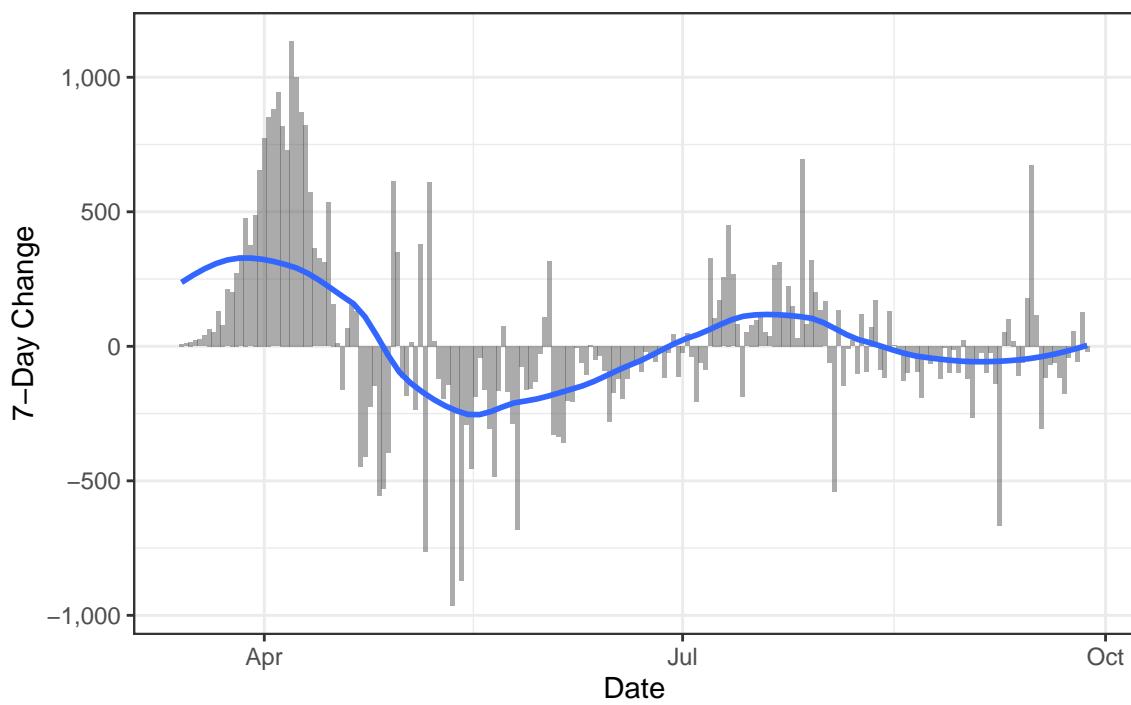
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

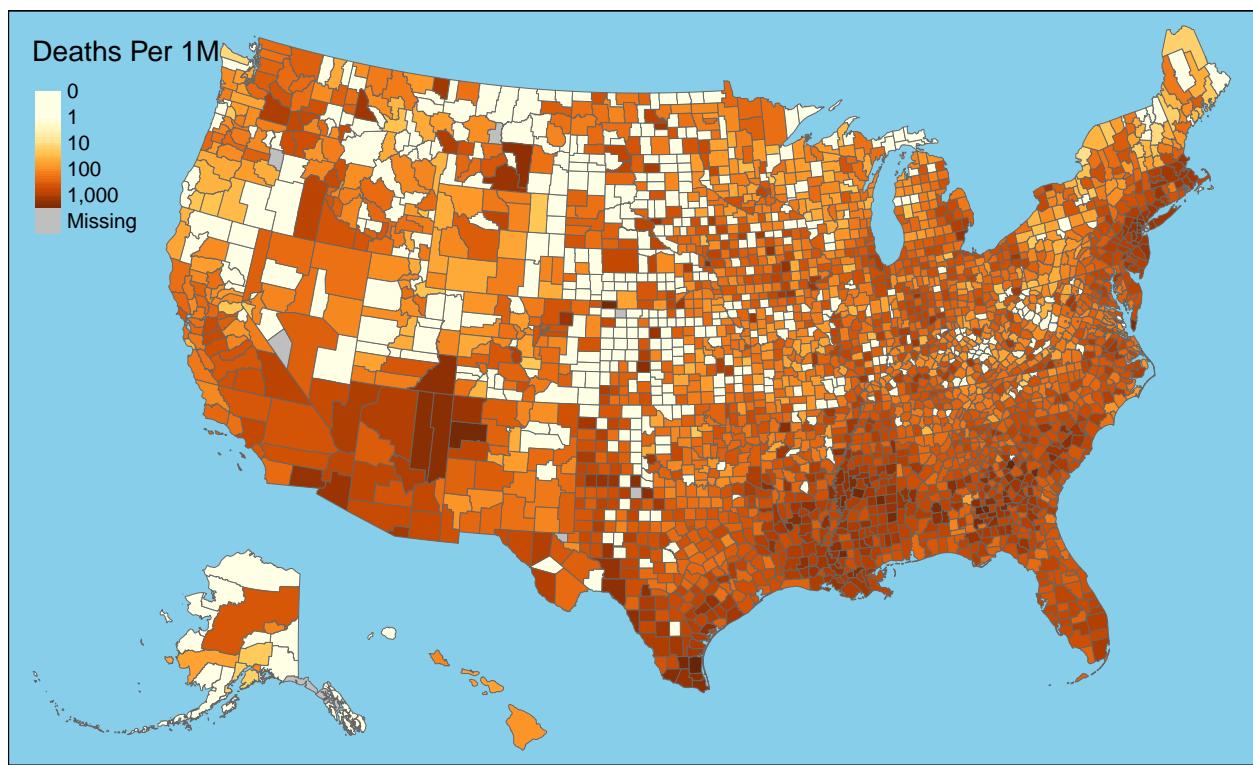


Daily Case Mortality Rate



One-Week Change in Daily Deaths

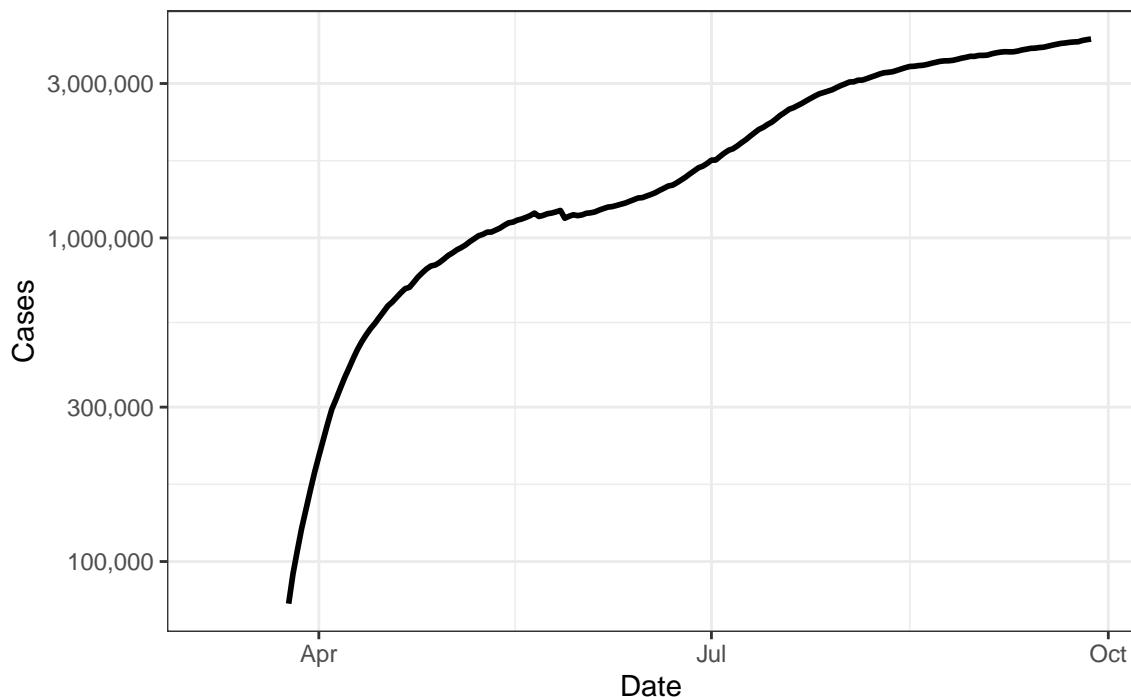




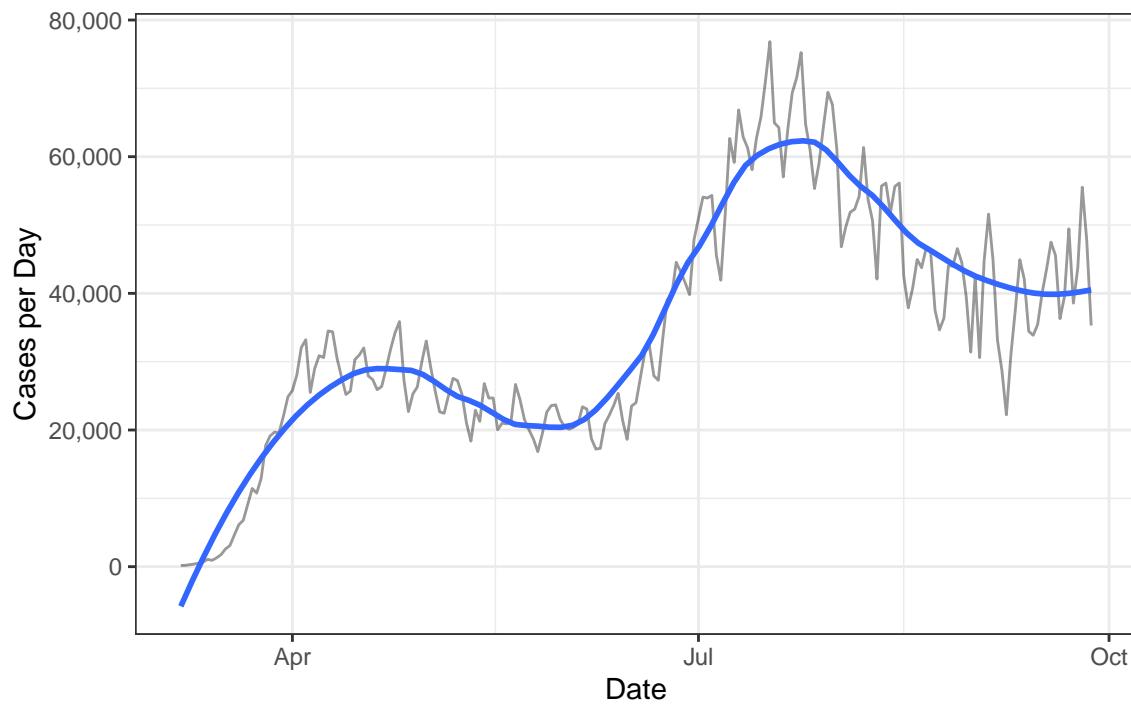
Cases

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

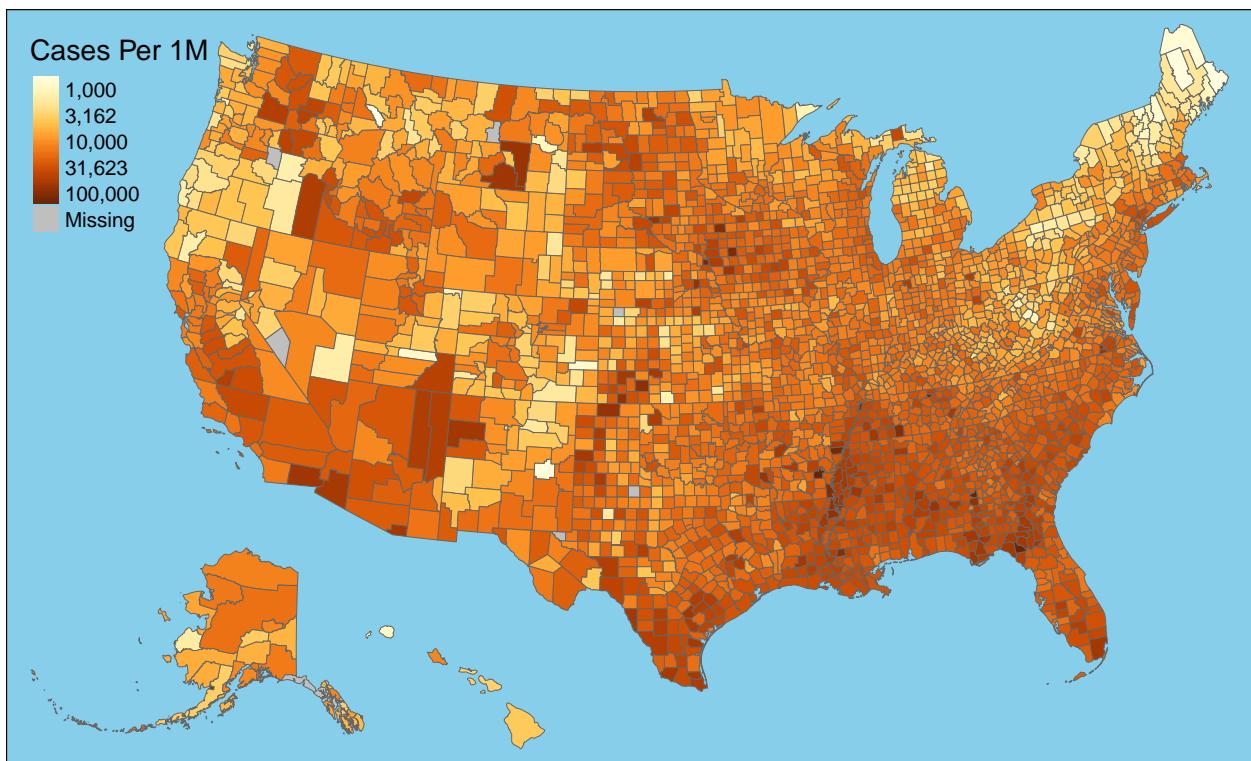
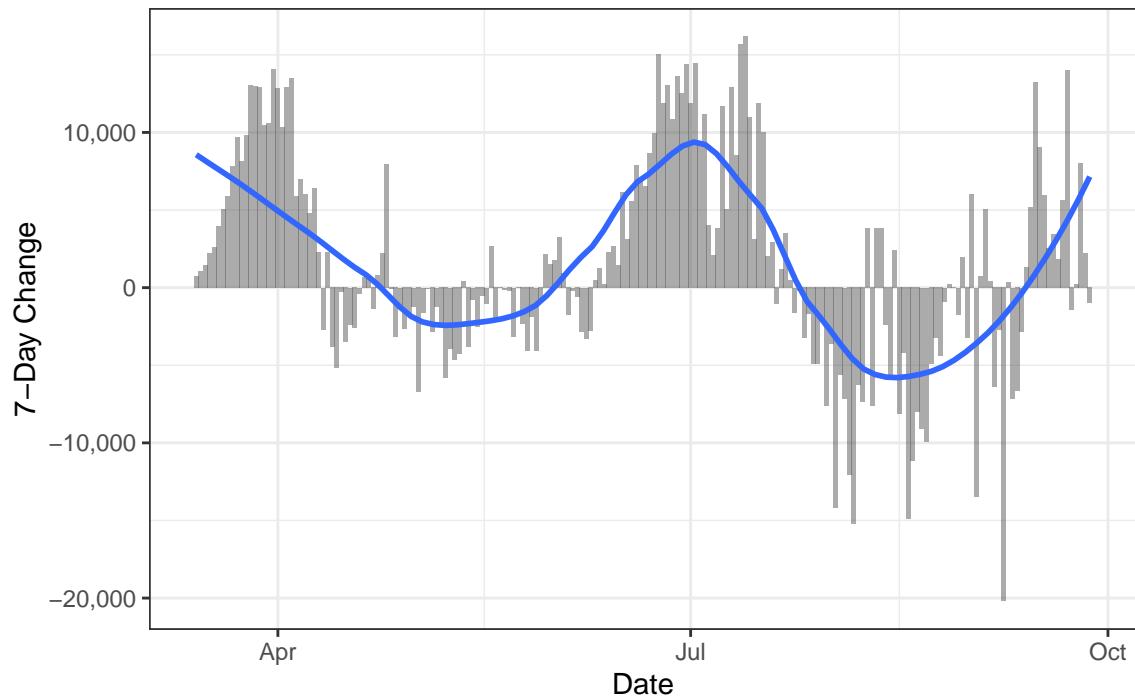
Active Cases



New Cases

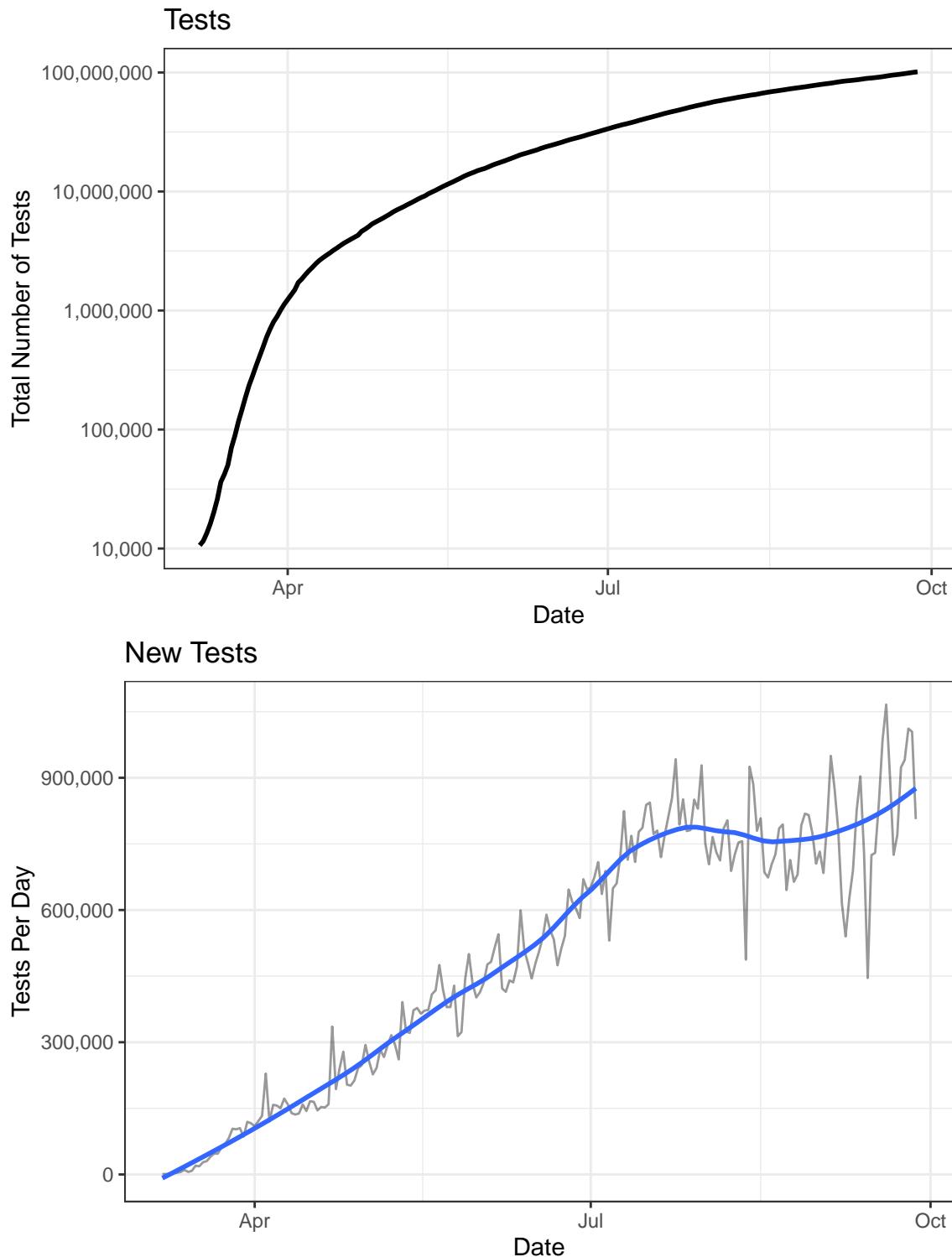


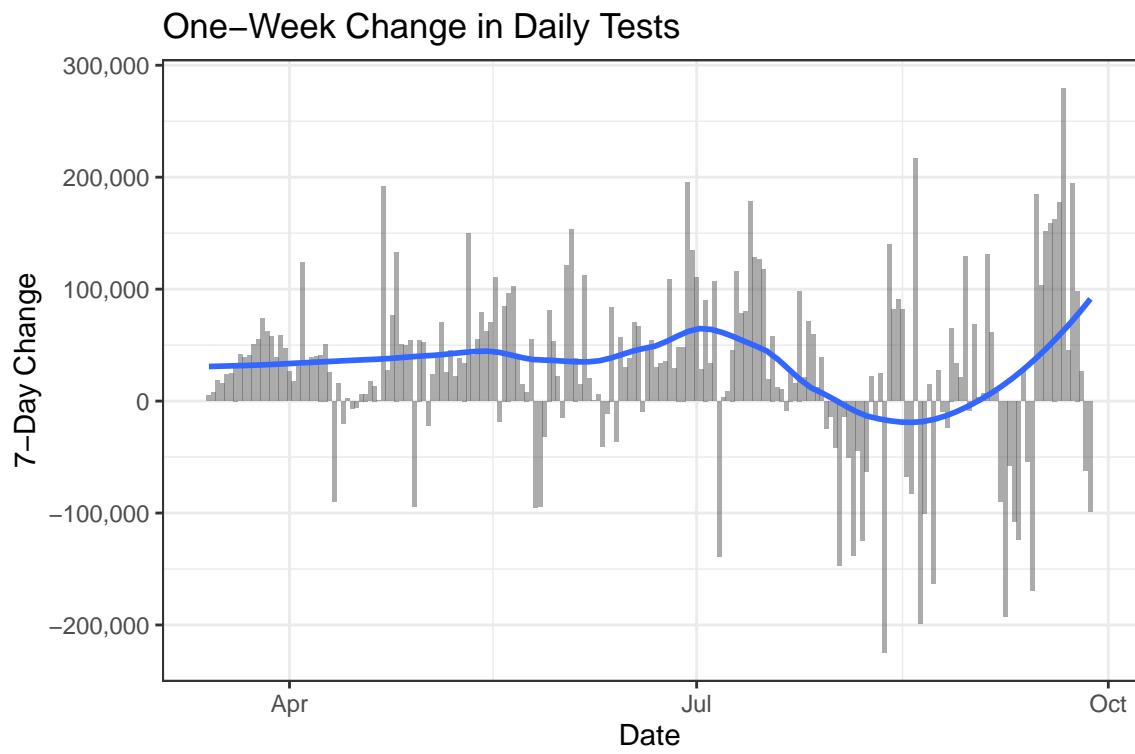
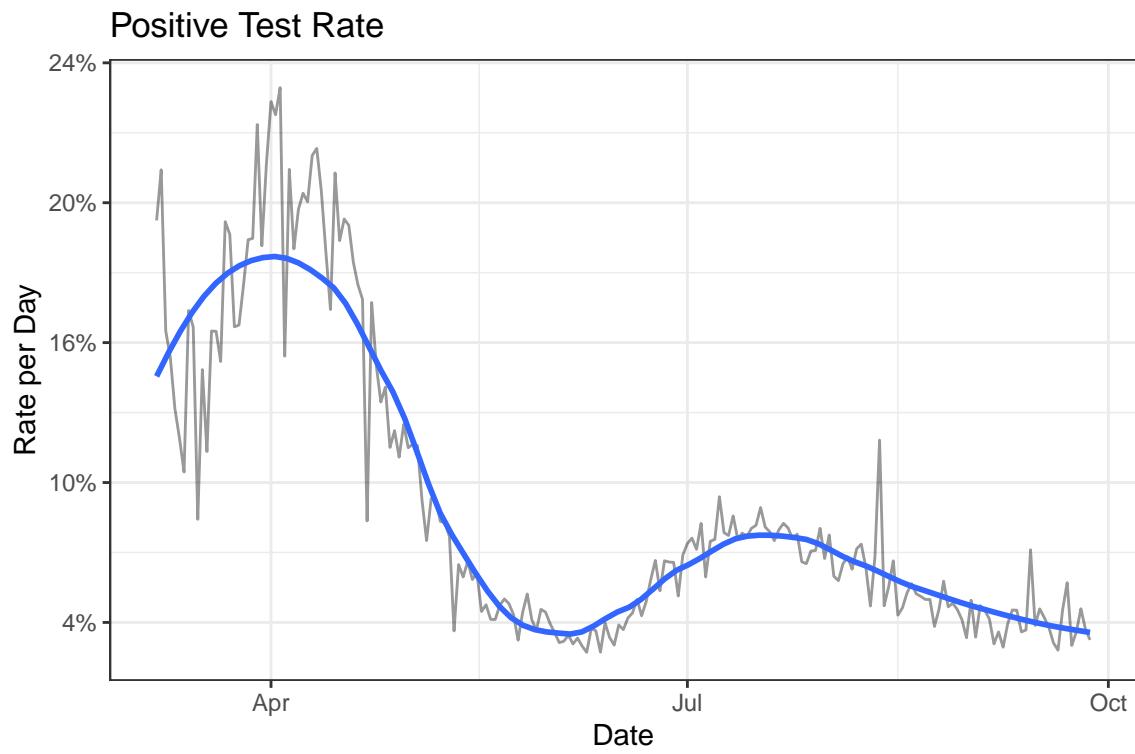
One-Week Change in Daily Cases



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.



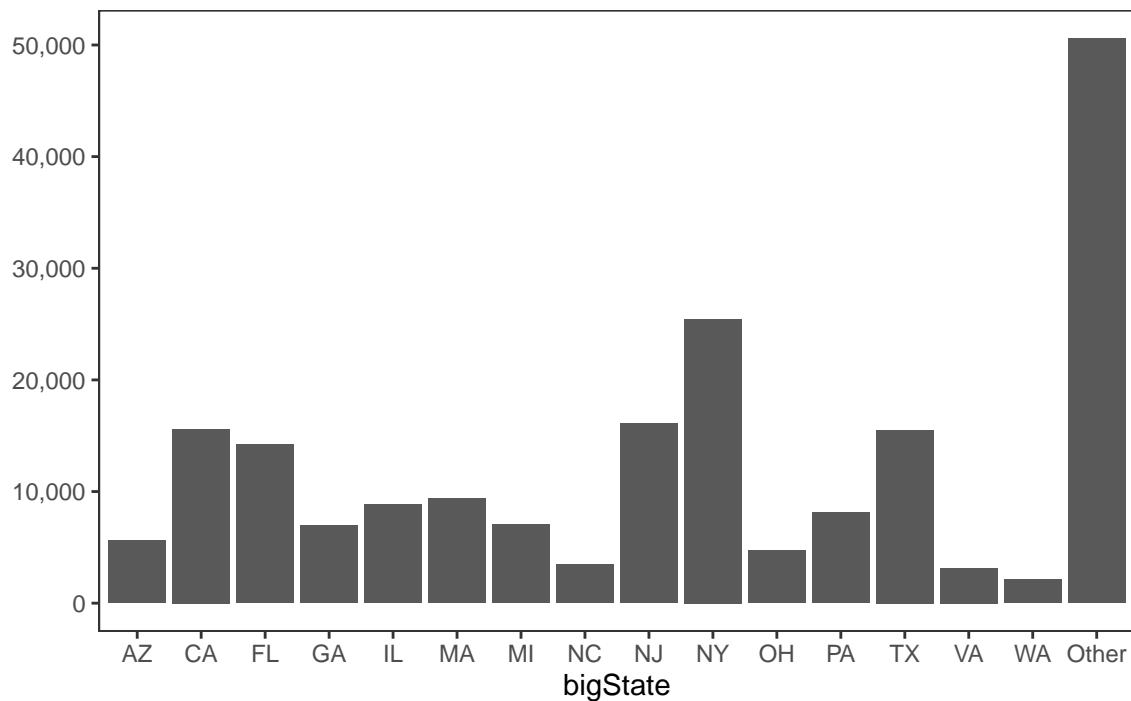


State Data

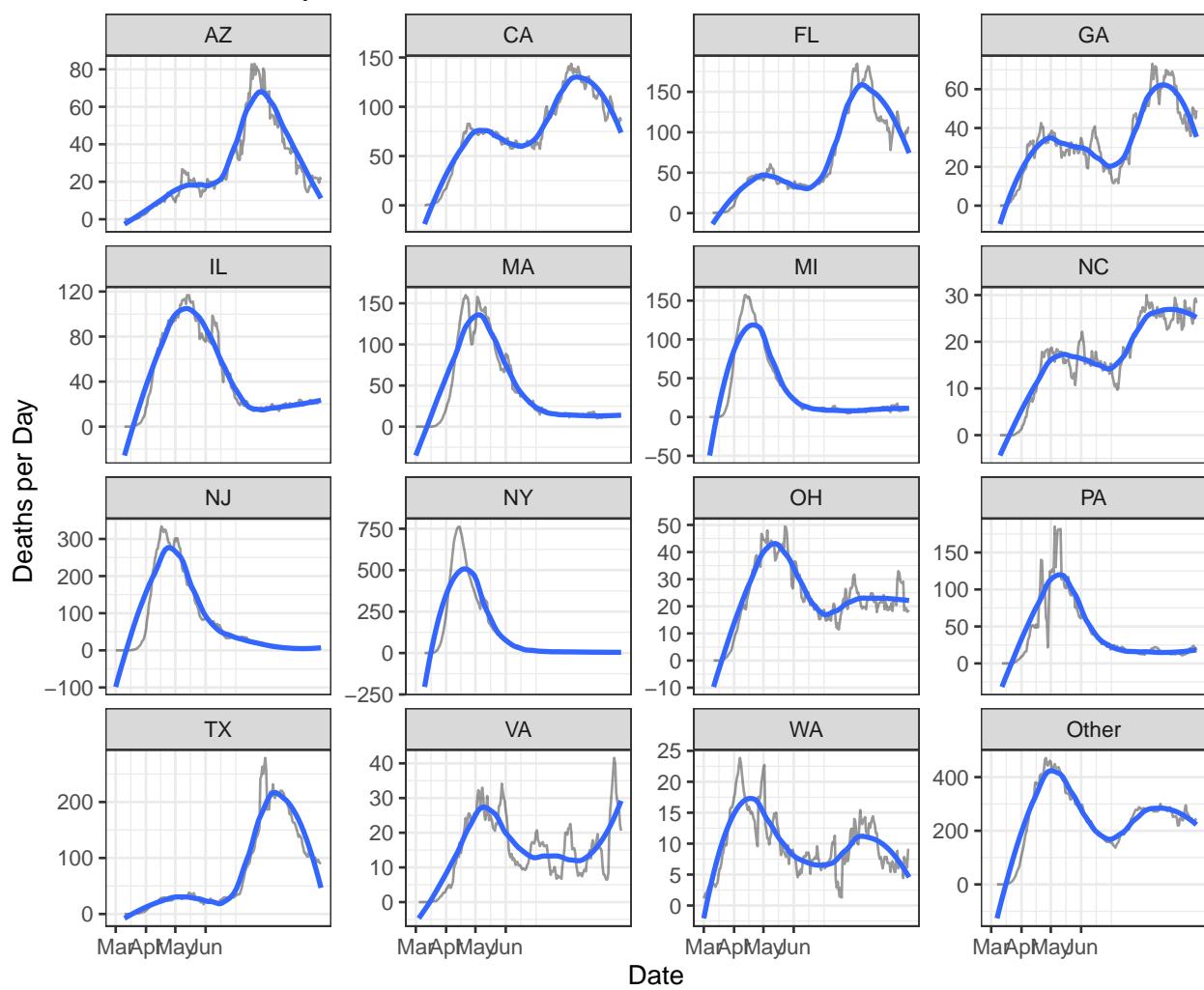
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

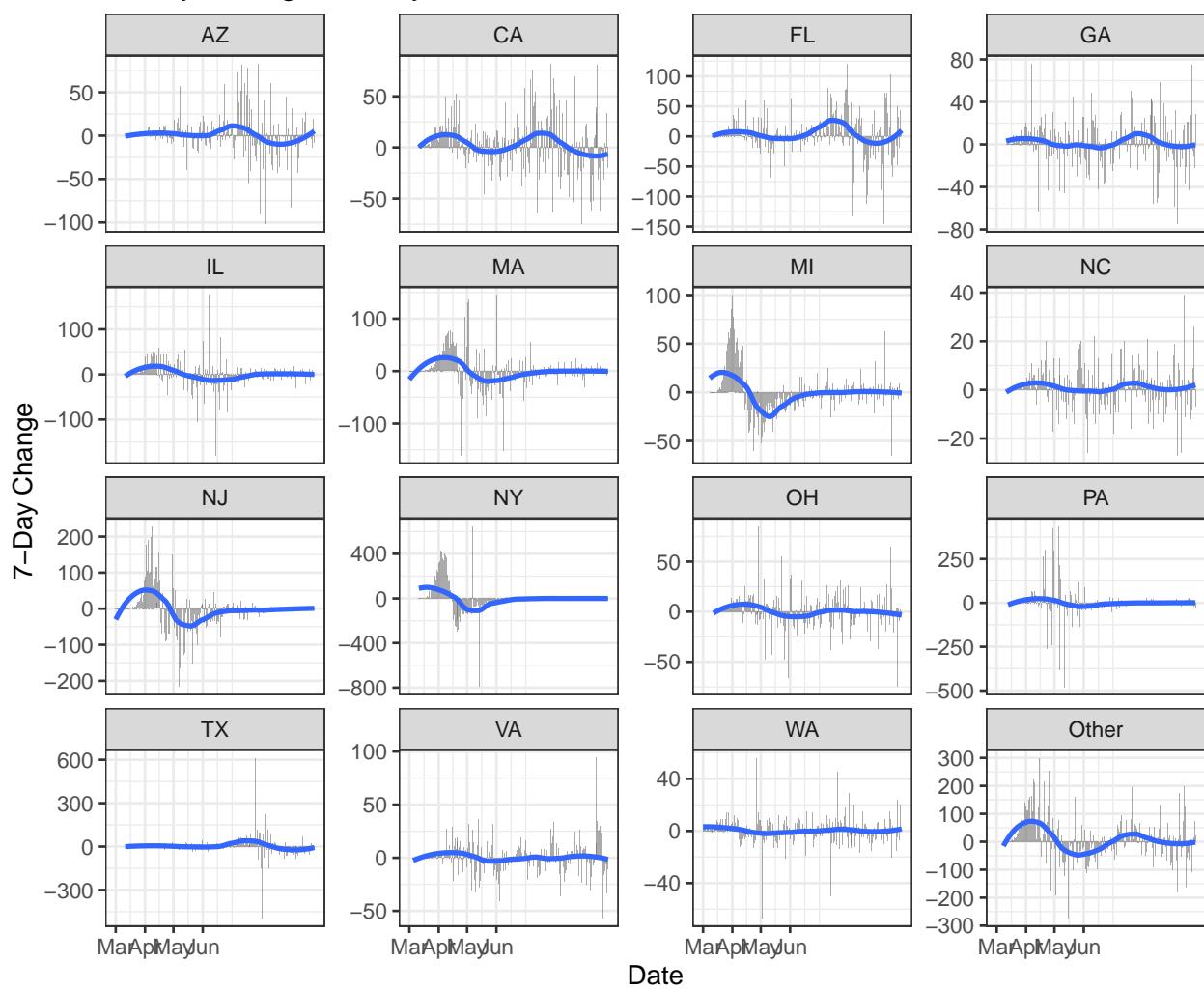
Deaths by State

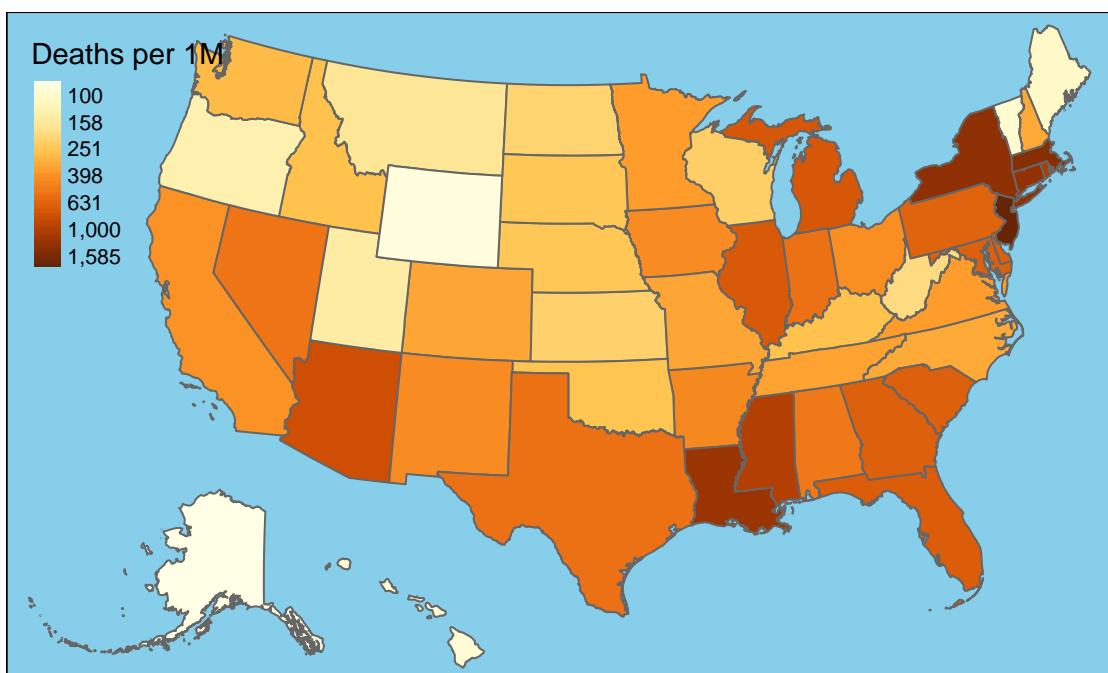
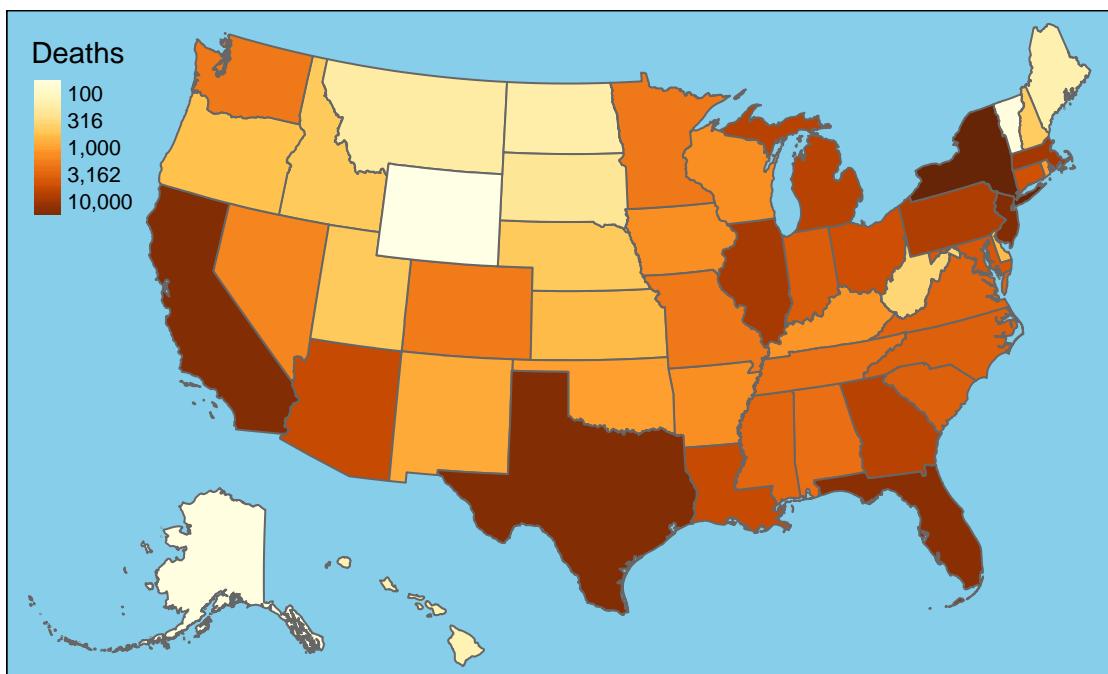


New Deaths by State



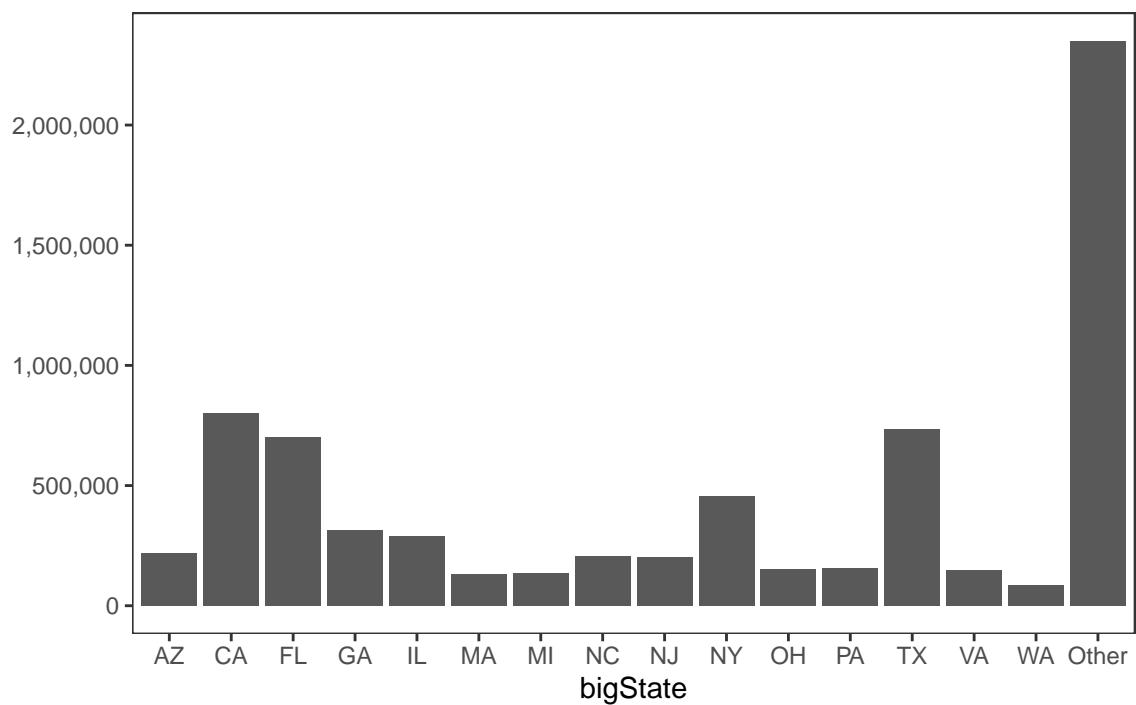
7-Day Change in Daily Deaths



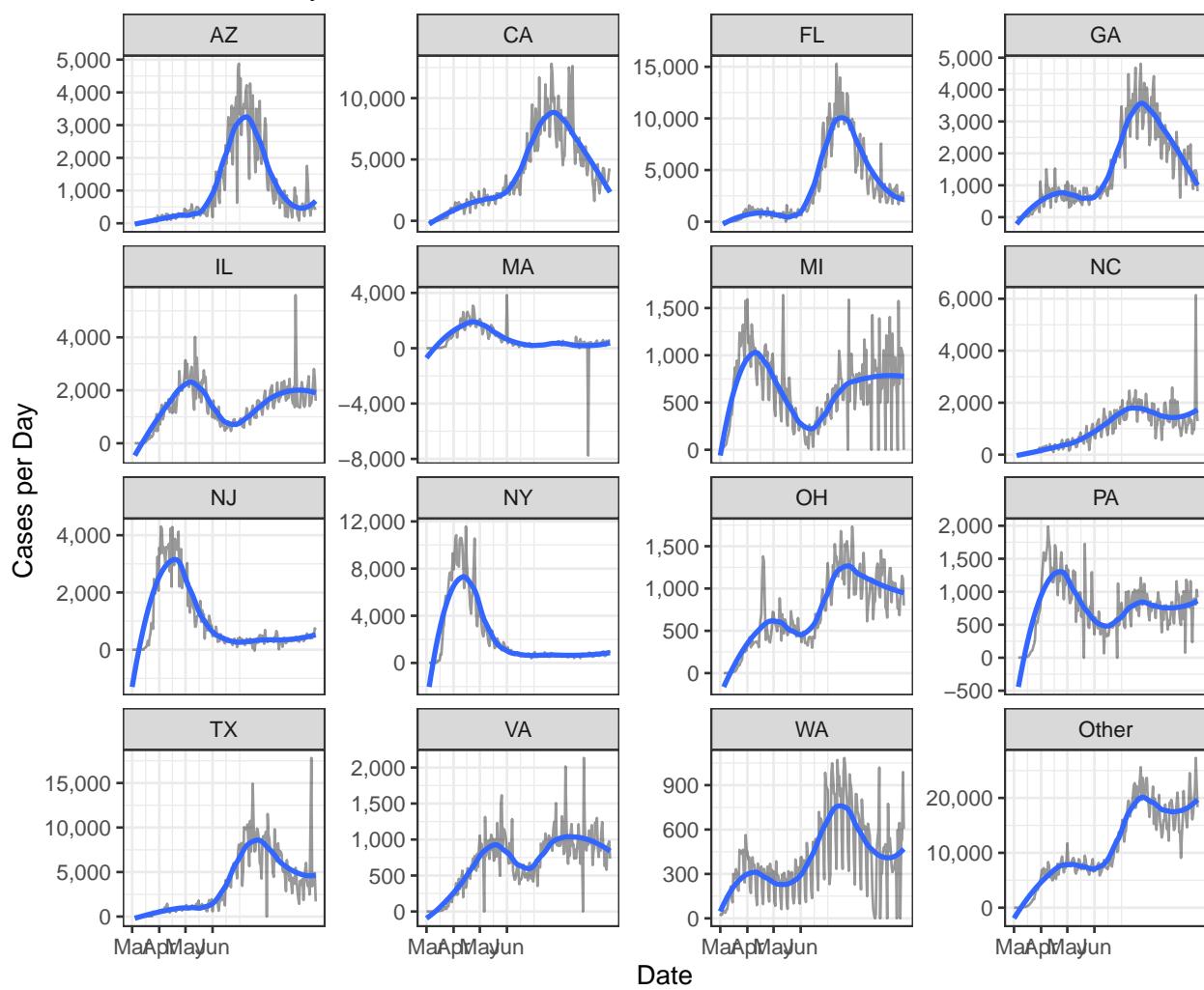


Cases

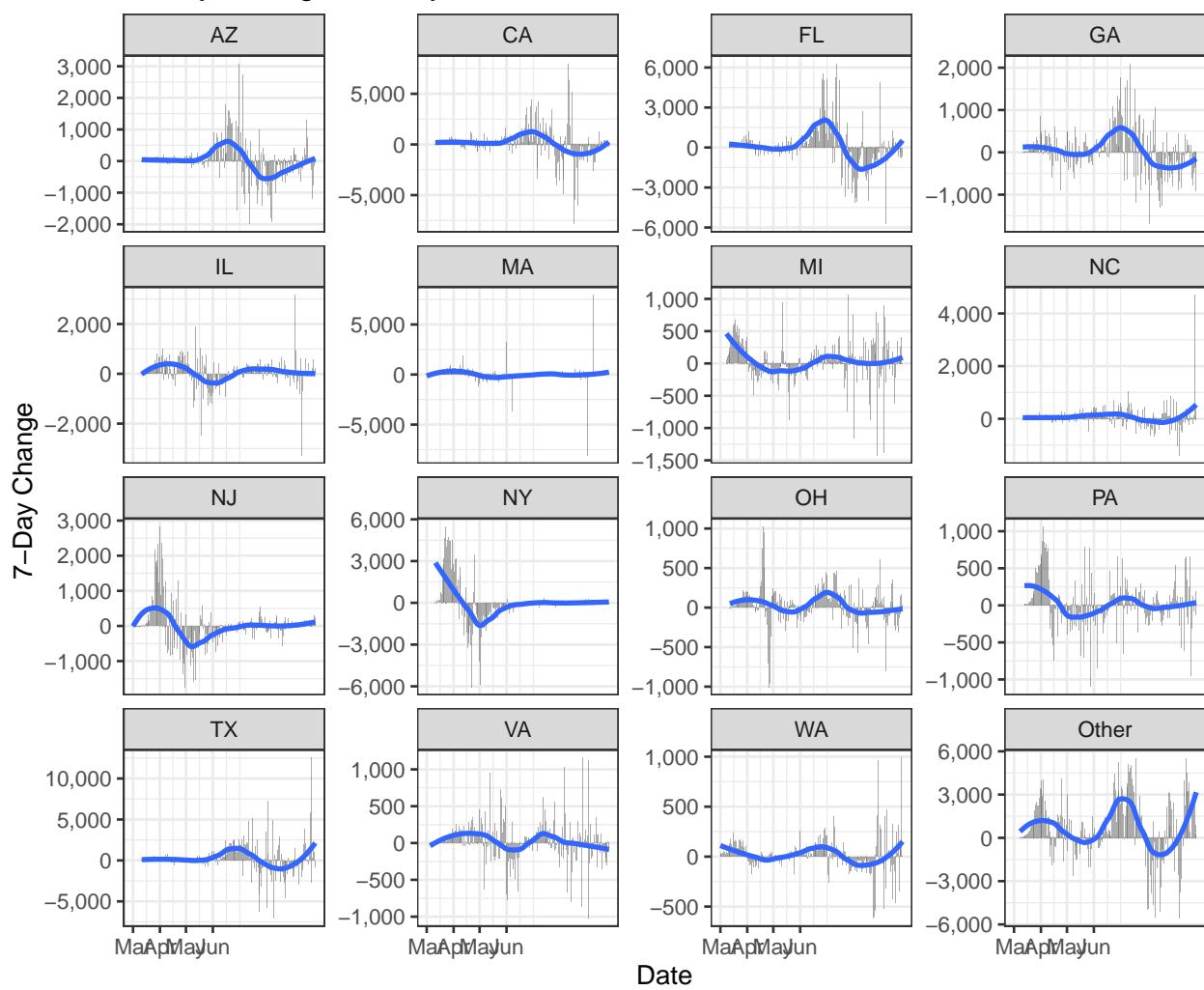
Cases by State

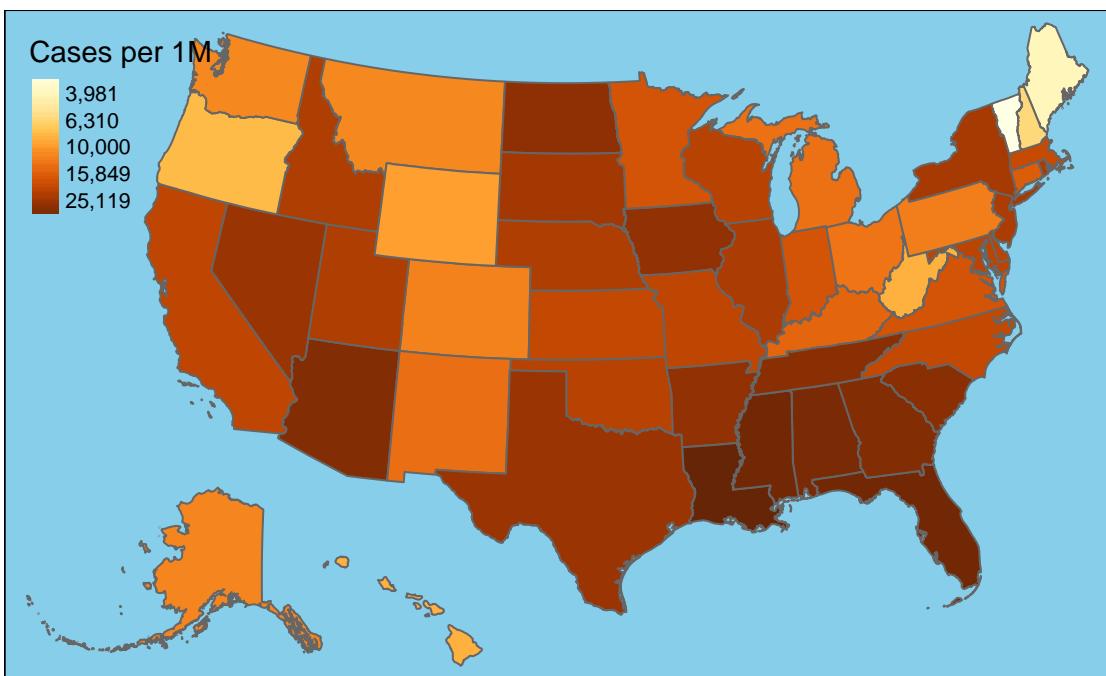
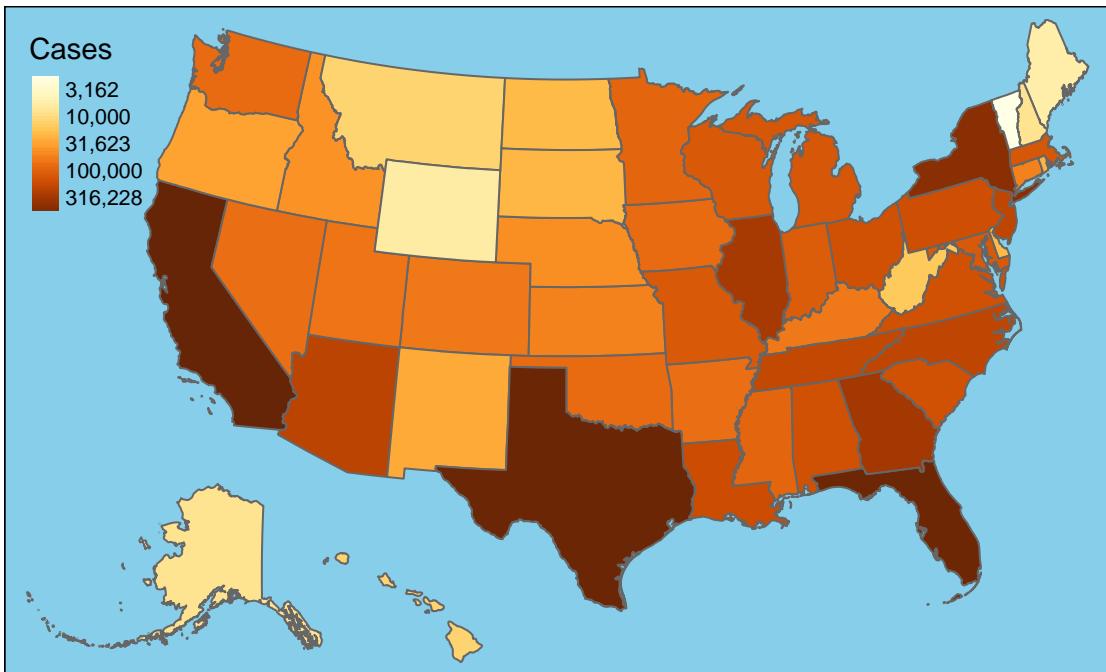


New Cases by State

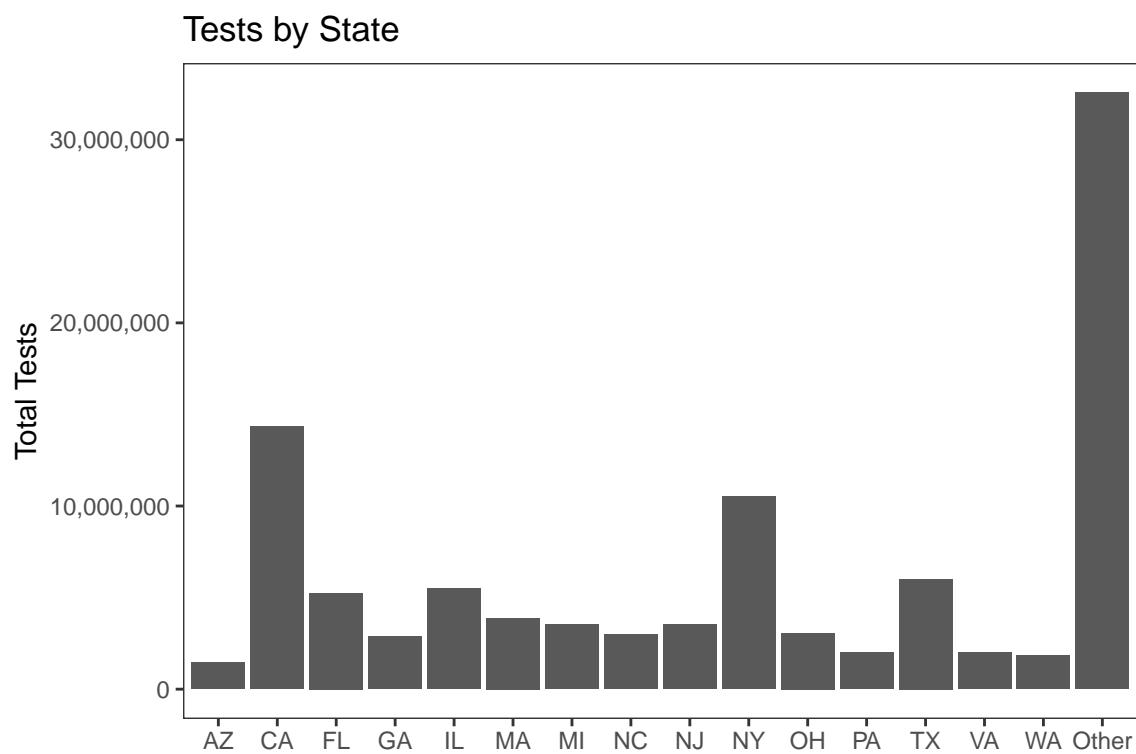


7-Day Change in Daily Cases

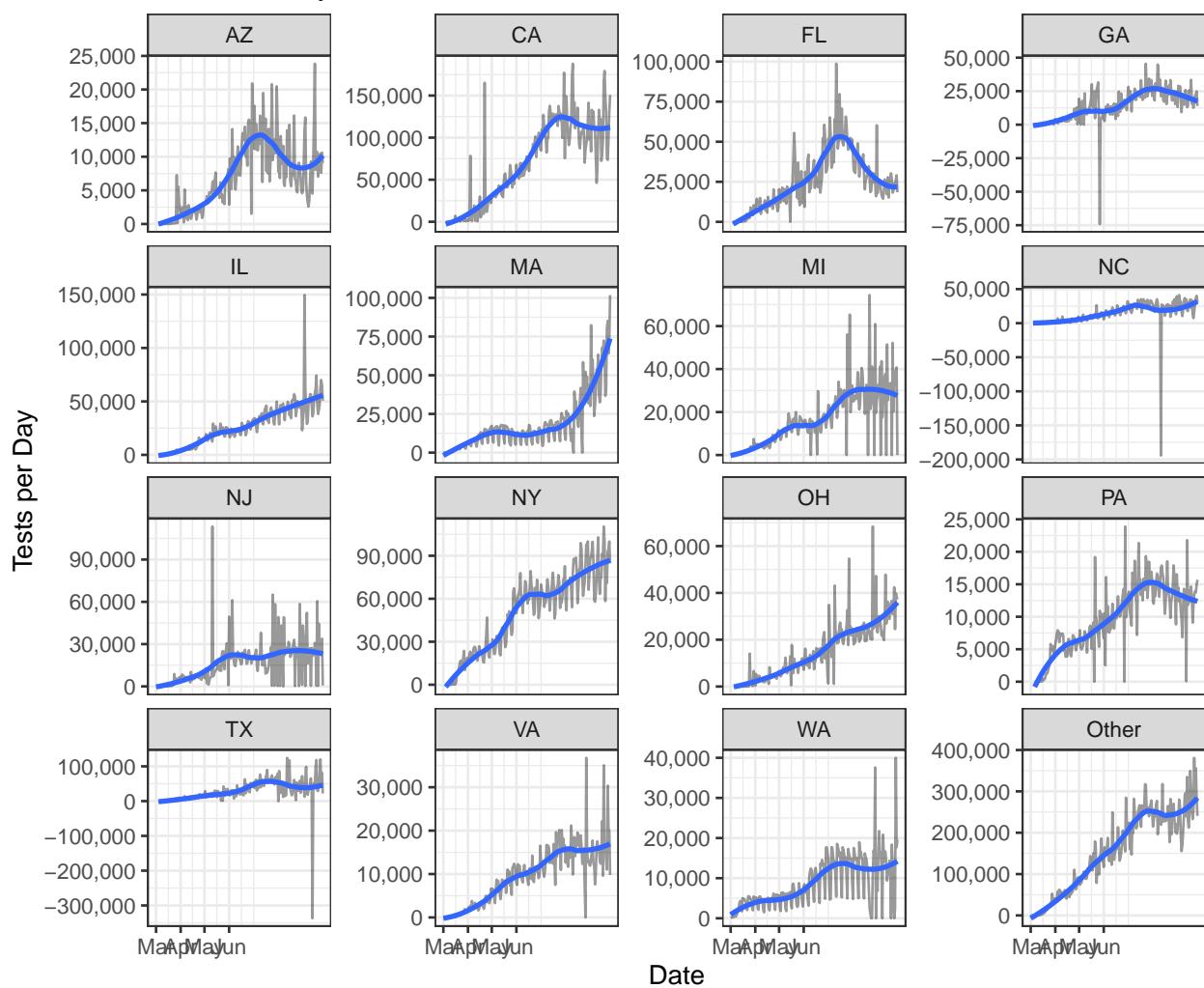


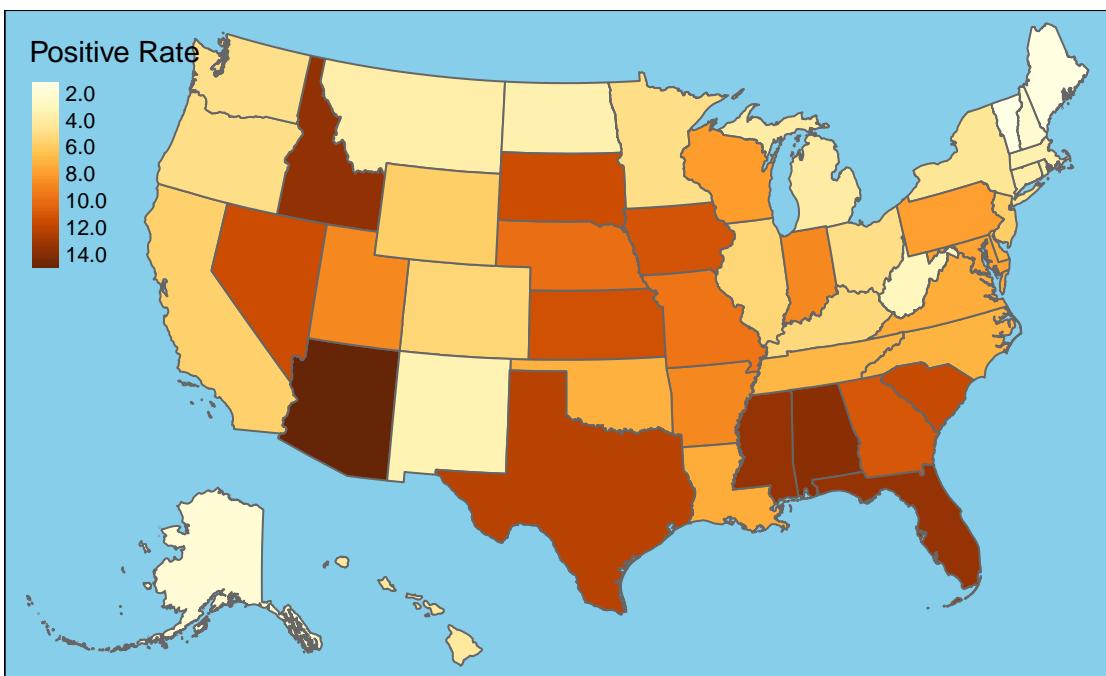
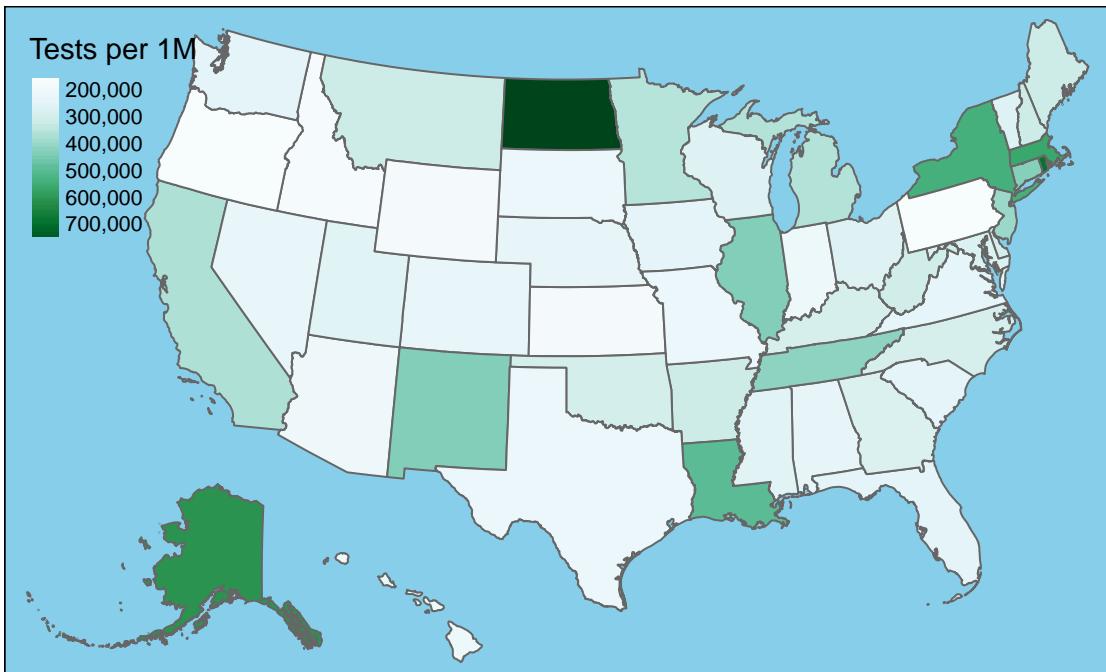


Testing



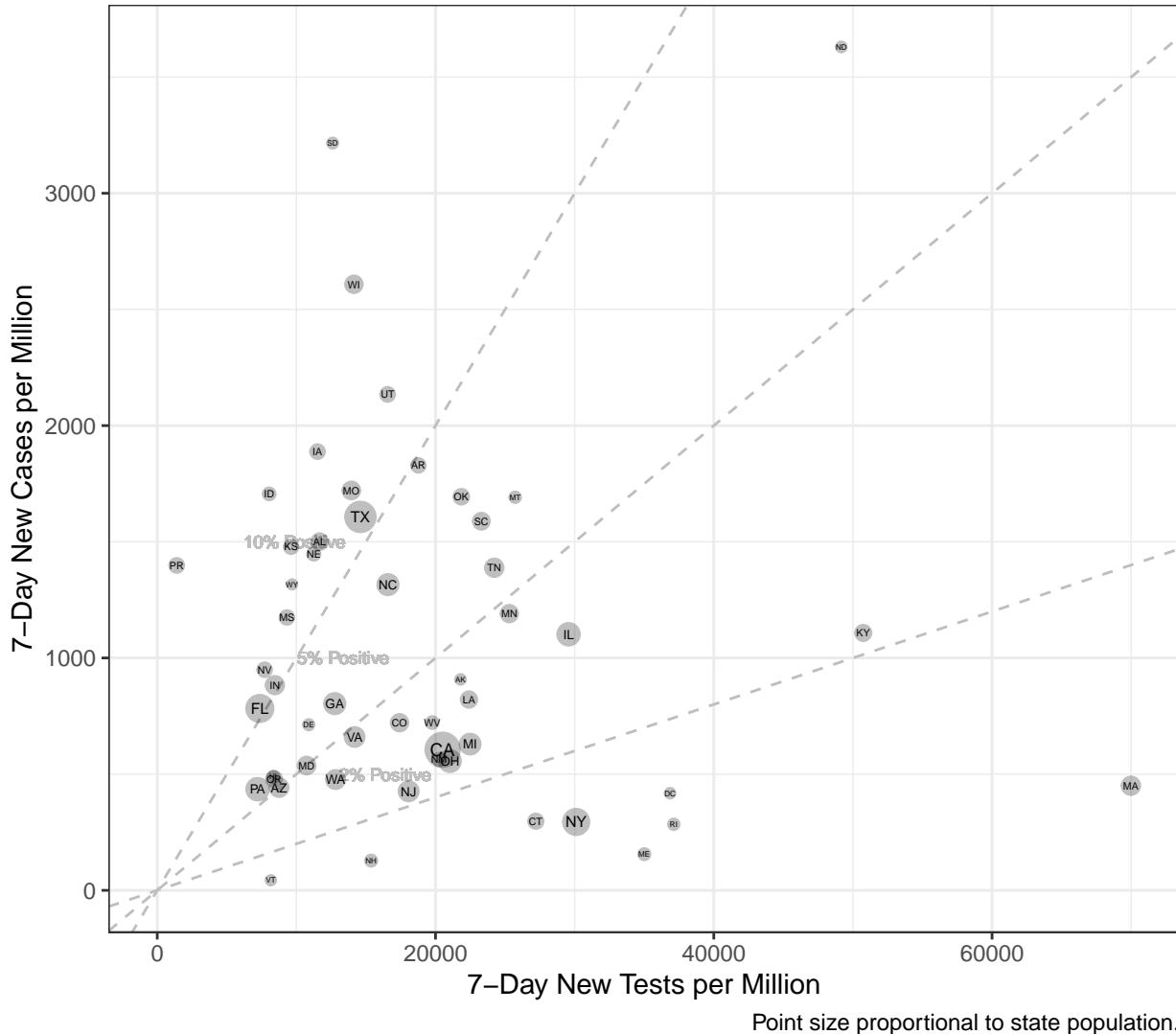
New Tests by State





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



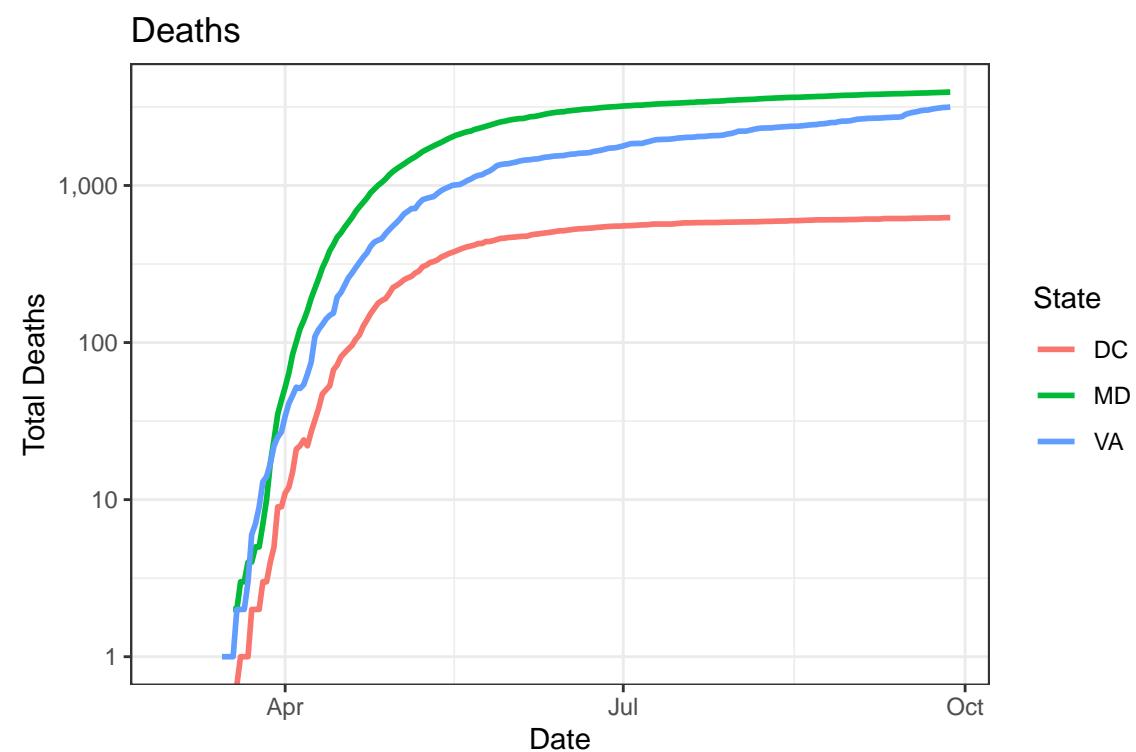
Local Data

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

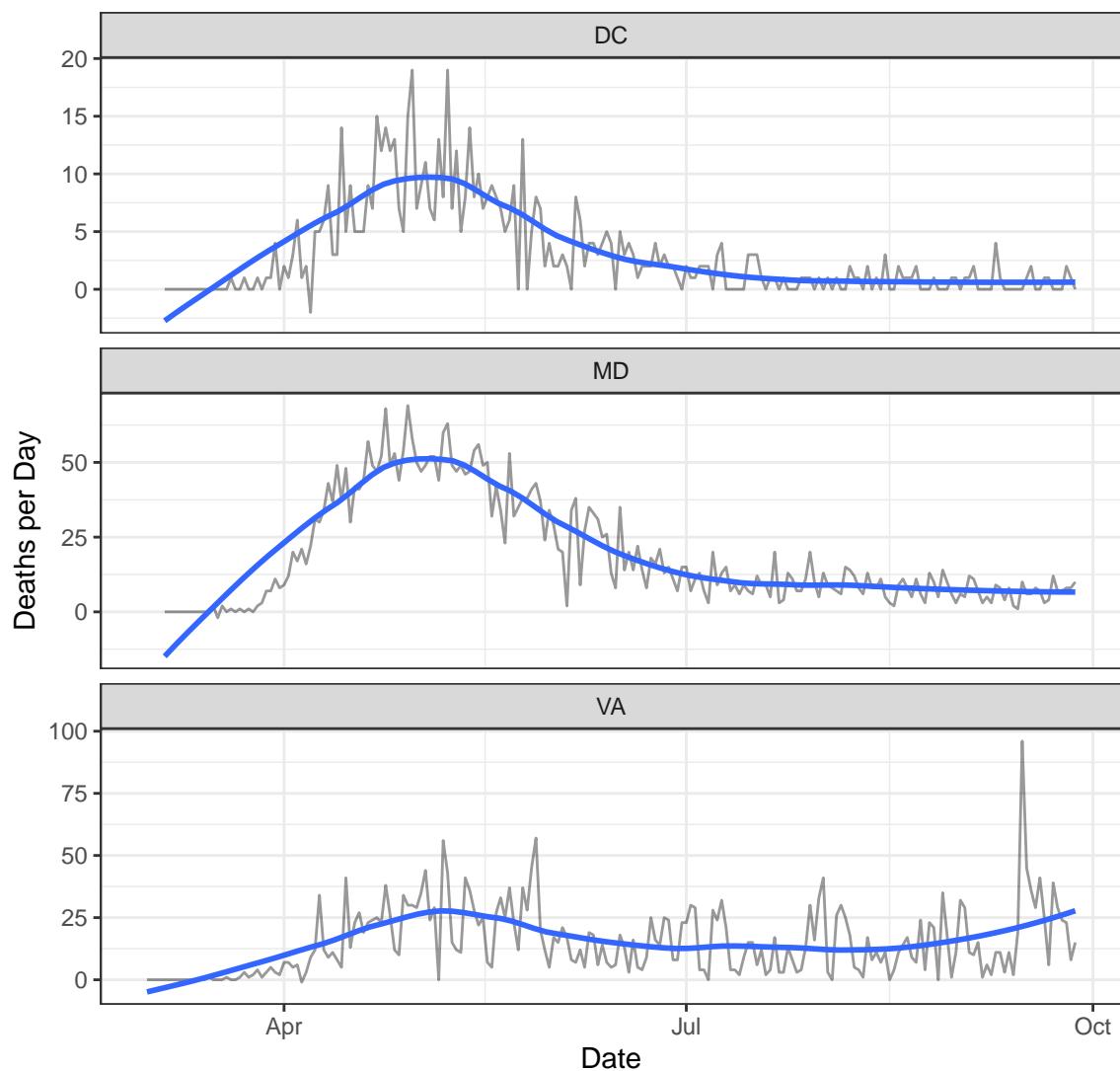
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	15,250	624	35	0
MD	123,403	3,935	431	10
VA	146,144	3,159	736	15

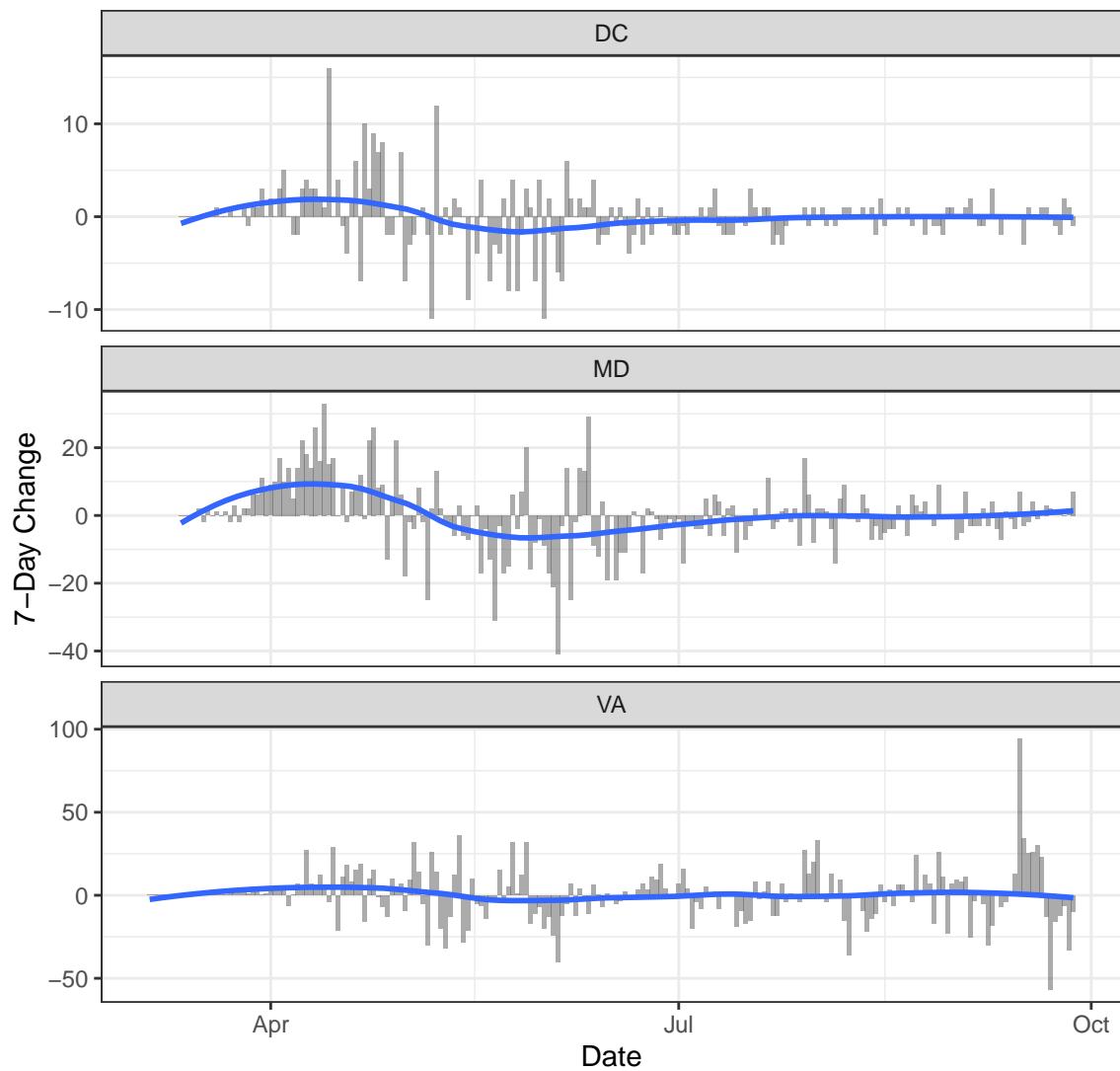
Deaths

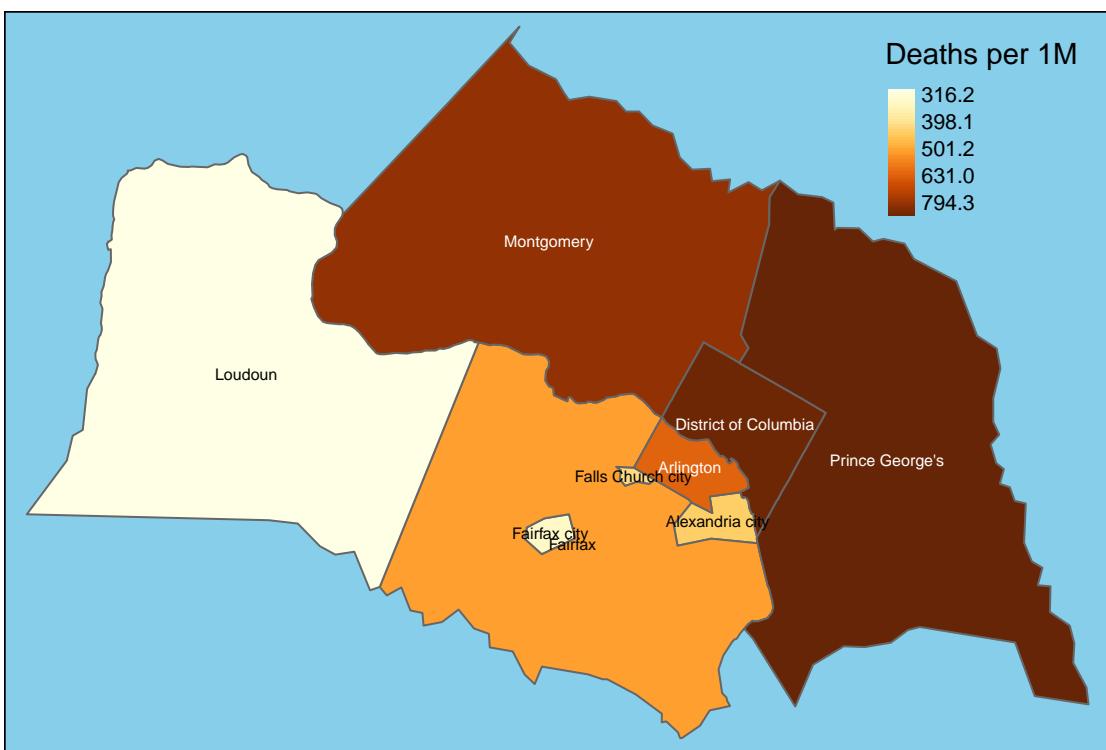
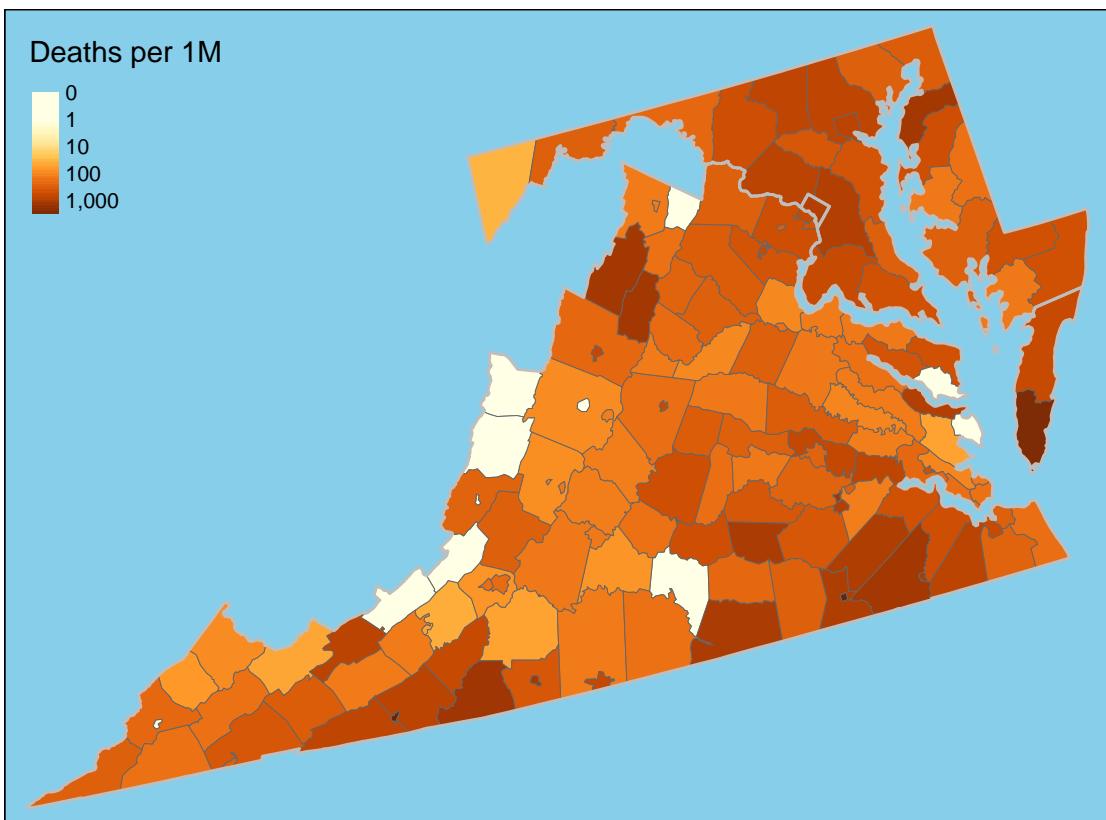


New Deaths

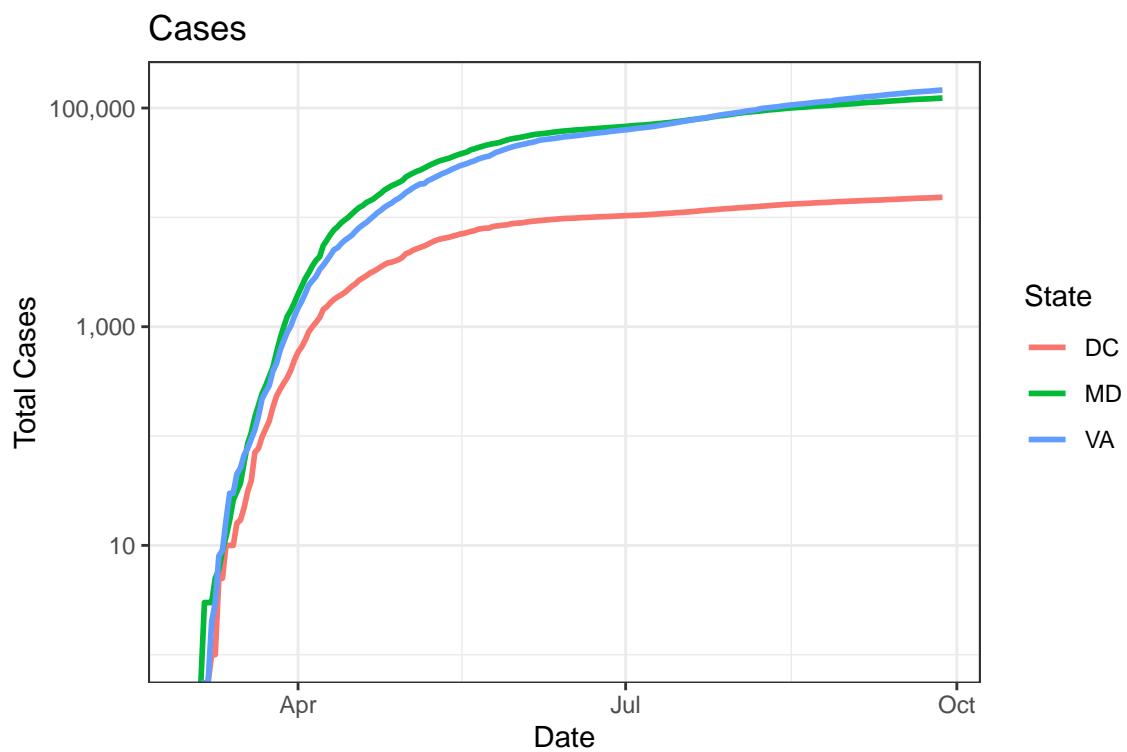


One-Week Change in Daily Deaths

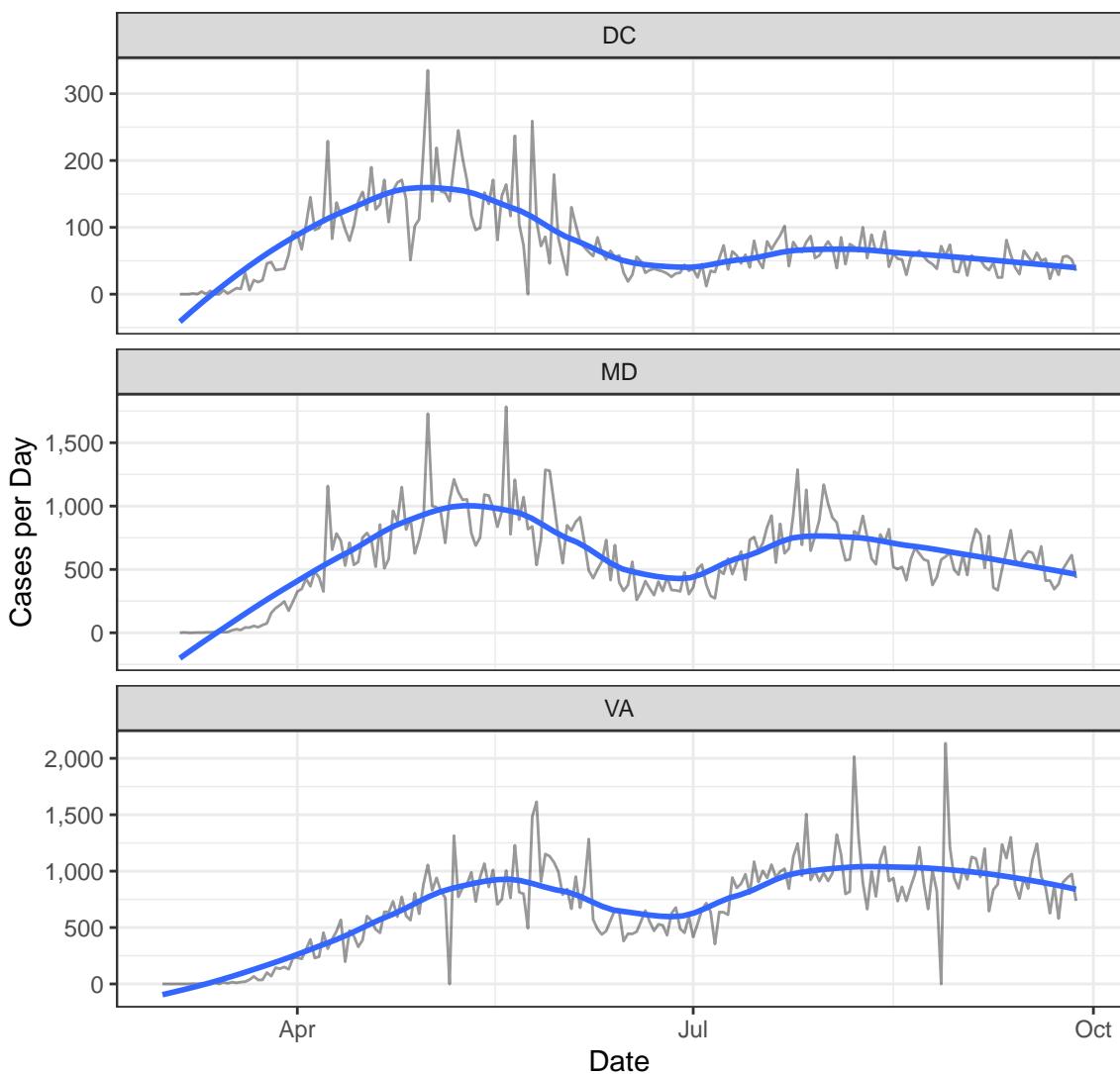




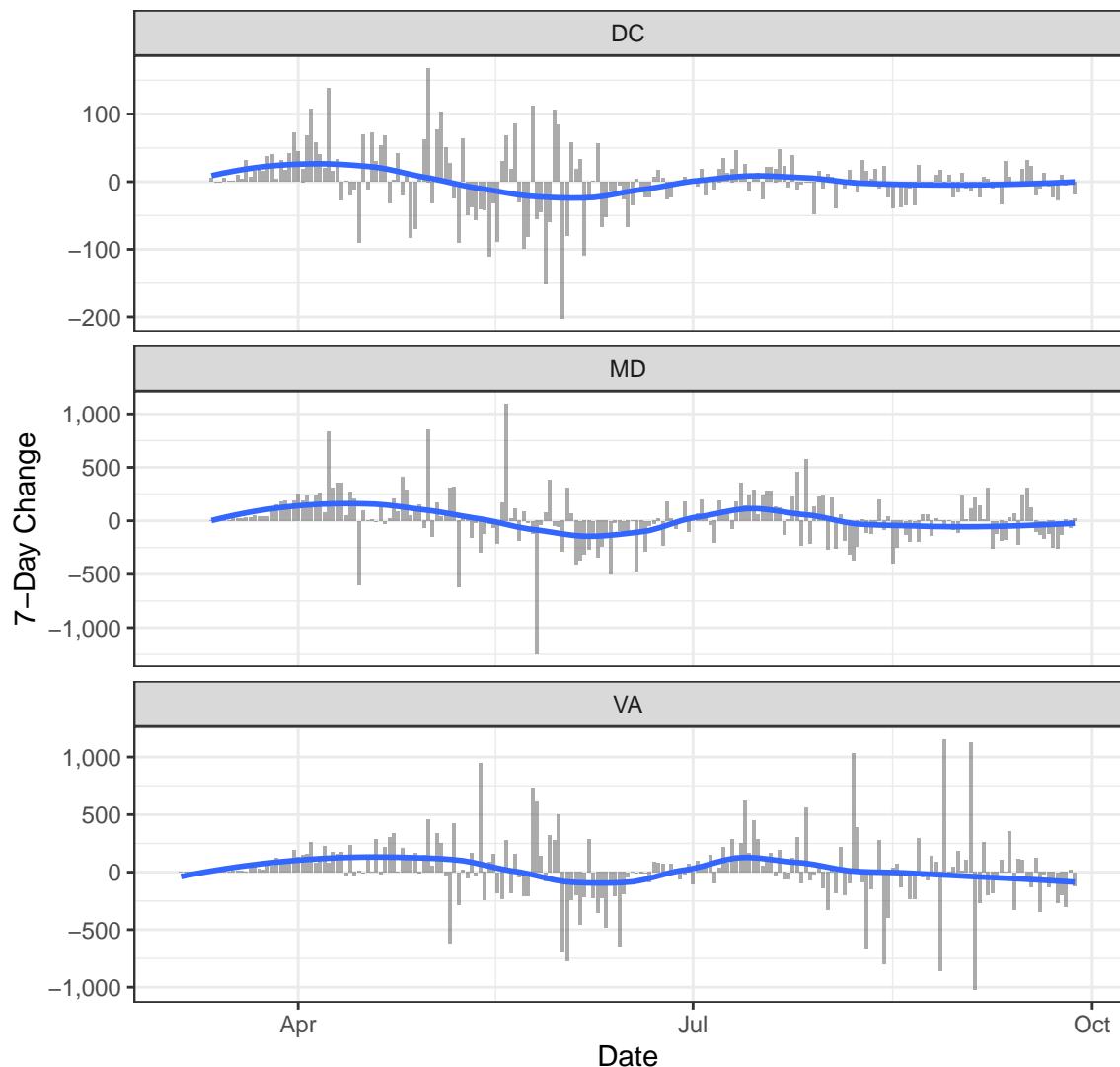
Cases

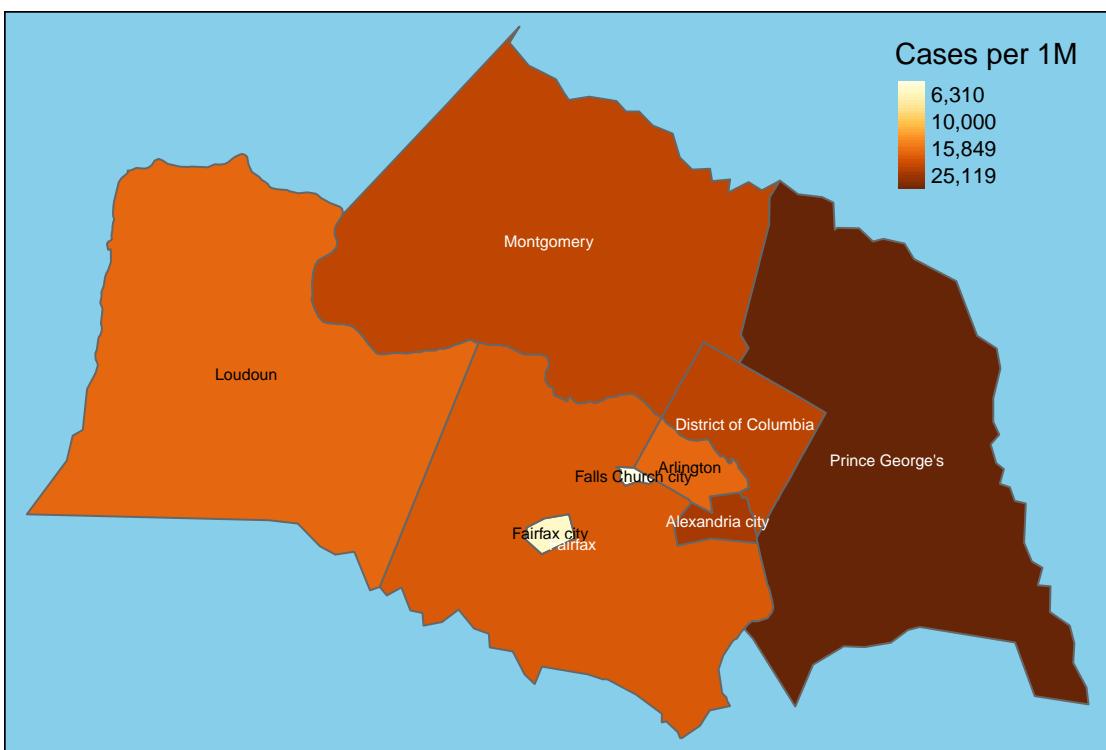
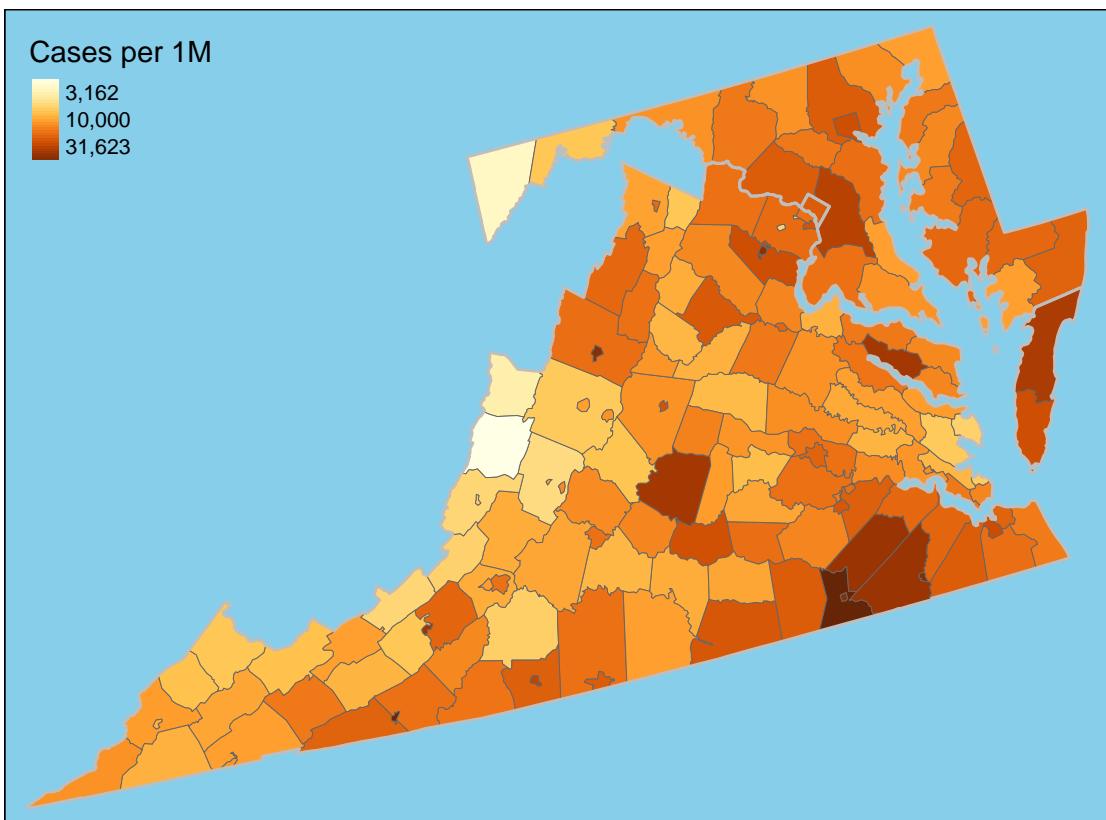


New Cases

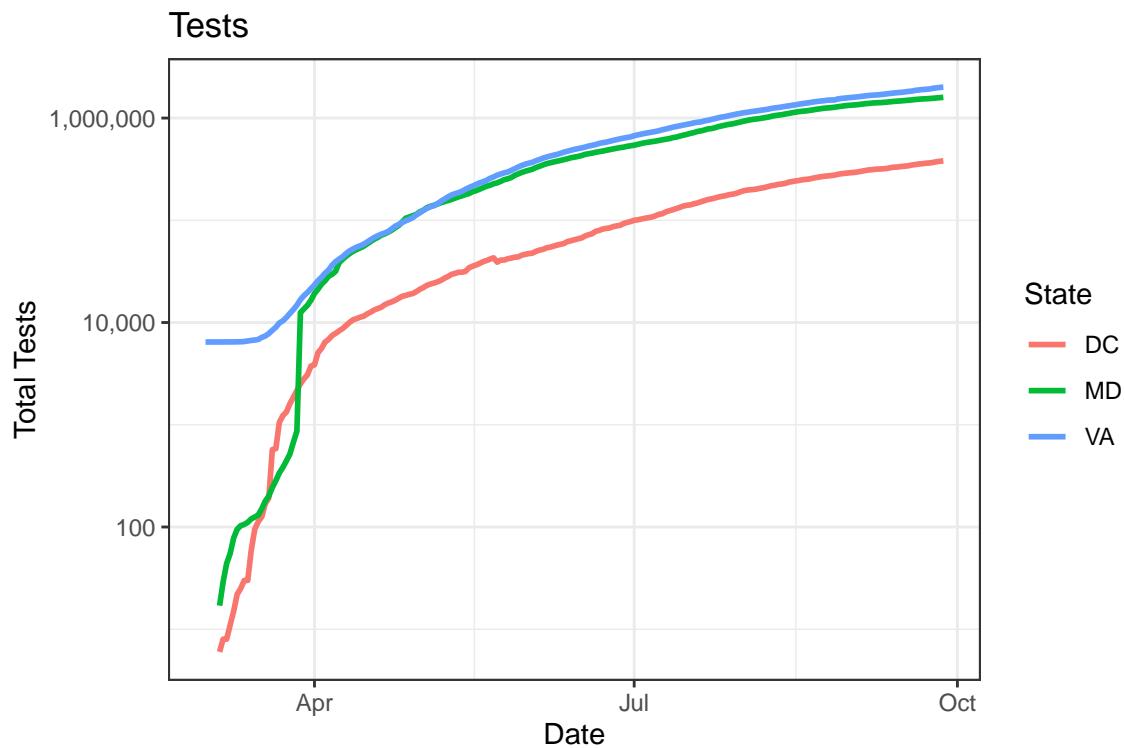


One-Week Change in Daily Cases

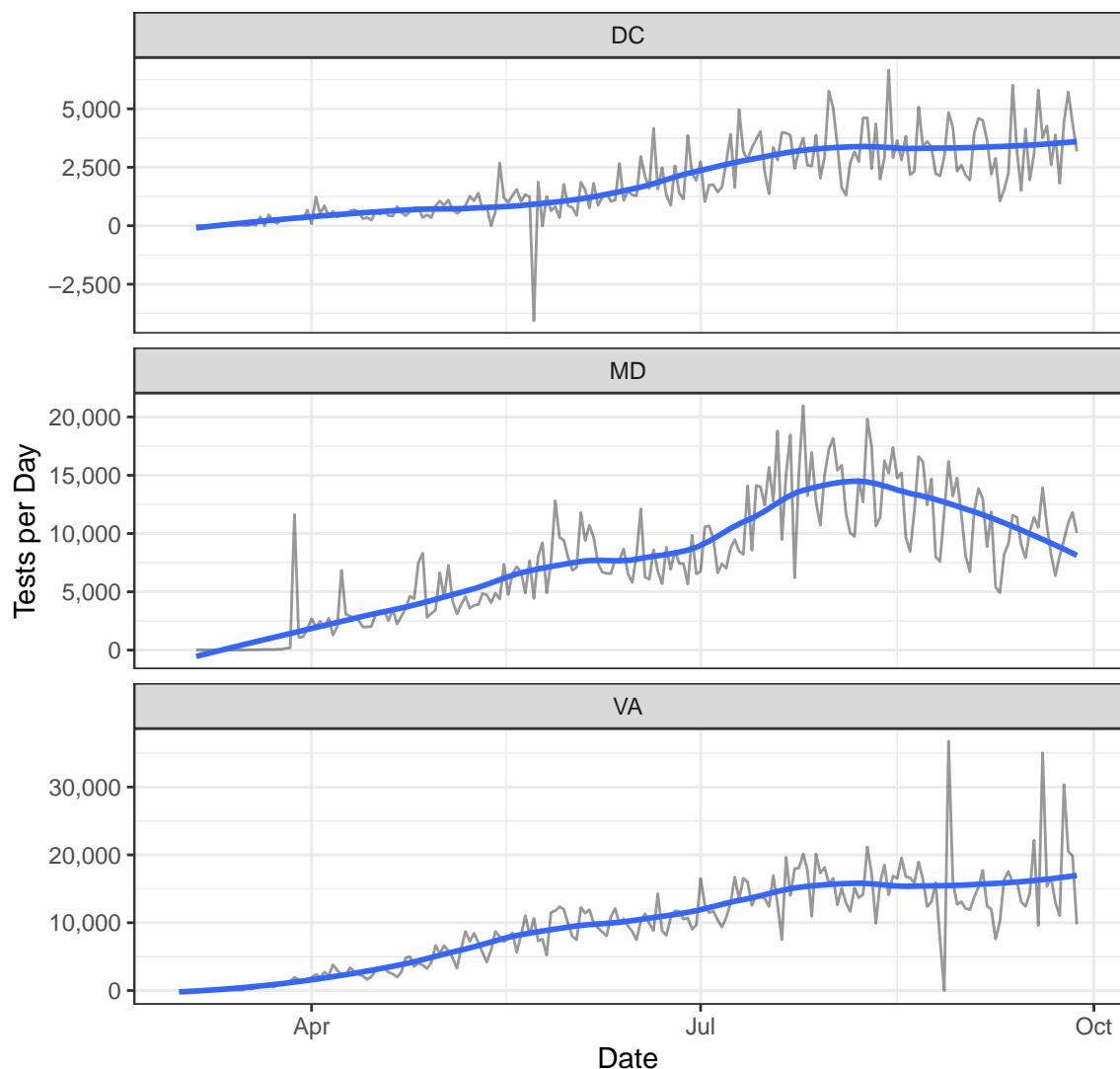




Testing



New Tests



Positive Test Rate

