

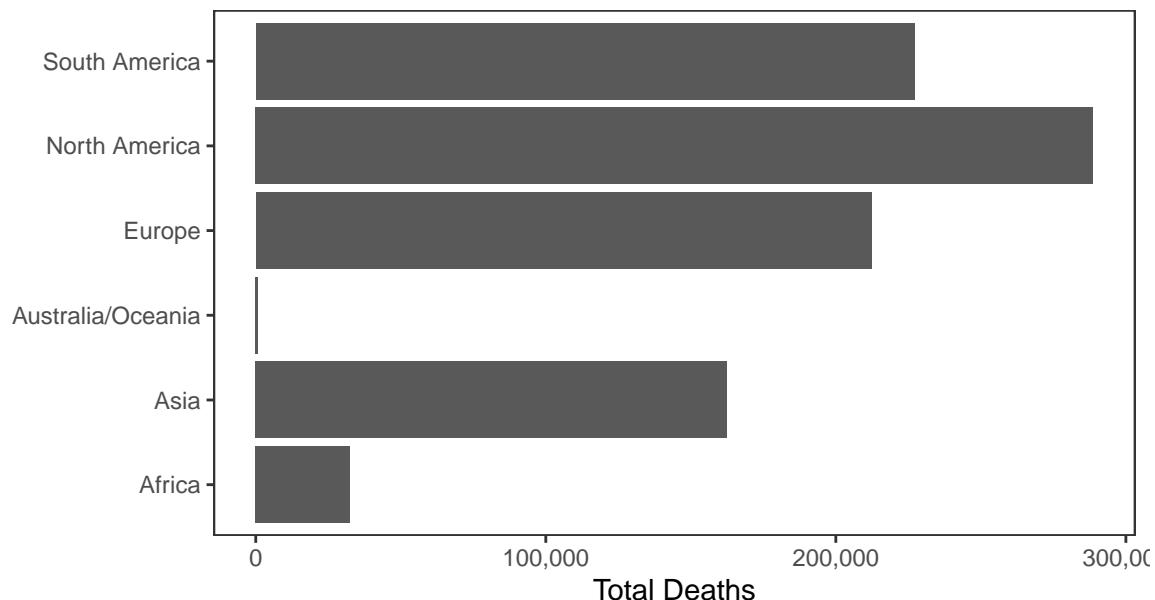
Erik's Covid-19 Chart Pack

Data updated 2020-09-13 10:08:43. 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 28,931,415 confirmed Covid-19 cases and 924,080 deaths worldwide.

Deaths



Cases

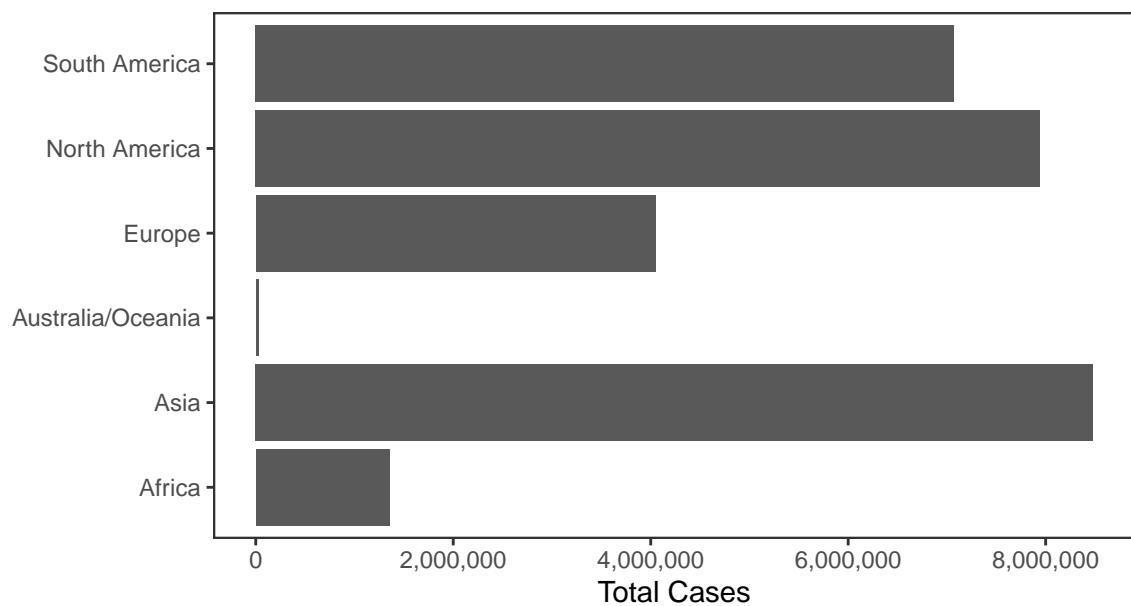
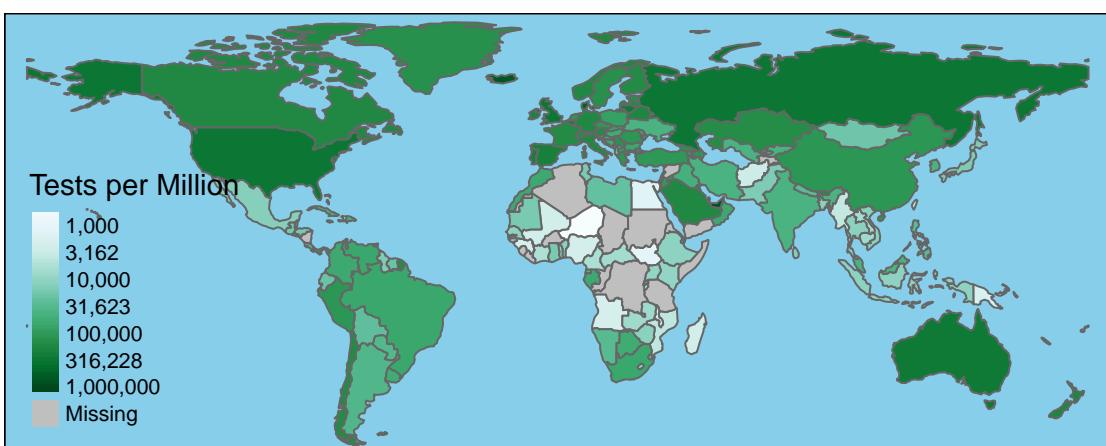
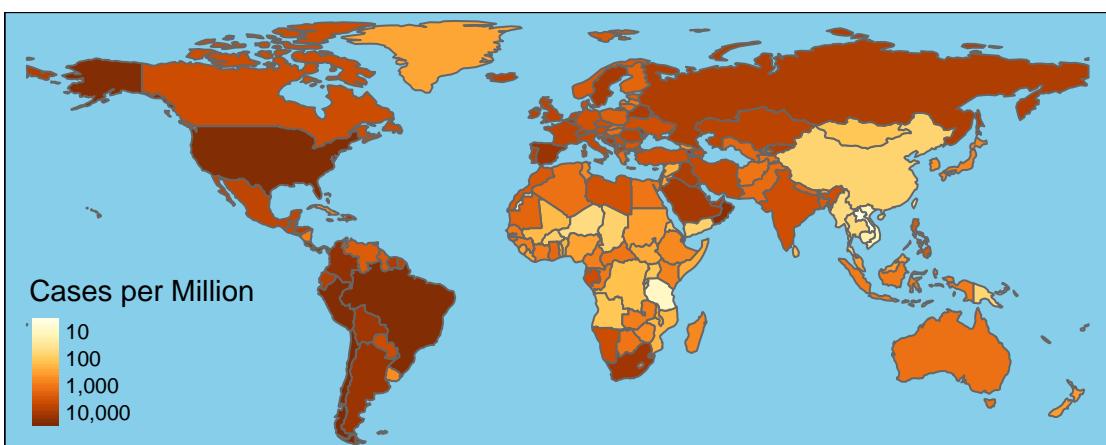
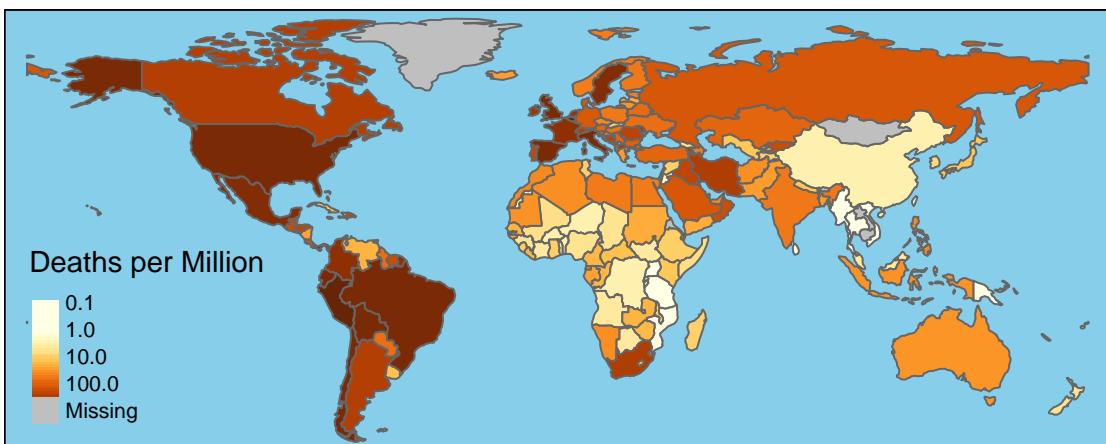


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,676,601	198,128	39,282	707
India	4,751,788	78,614	94,409	1,108
Brazil	4,315,858	131,274	31,880	800
Russia	1,057,362	18,484	5,488	119
Peru	722,832	30,593	6,162	123
Colombia	708,964	22,734	6,876	216
Mexico	658,299	70,183	5,935	534
South Africa	648,214	15,427	1,816	49
Spain	576,697	29,747	0	0
Argentina	546,481	11,263	10,776	115
Chile	432,666	11,895	2,131	45
Iran	399,940	23,029	2,139	116
France	373,911	30,910	10,561	17
UK	365,174	41,623	3,497	9
Bangladesh	336,044	4,702	1,282	34
Saudi Arabia	325,050	4,240	643	27
Pakistan	300,955	6,373	584	3
Turkey	289,635	6,999	1,509	48
Iraq	286,778	7,941	4,106	60
Italy	286,297	35,603	1,501	6



National Data

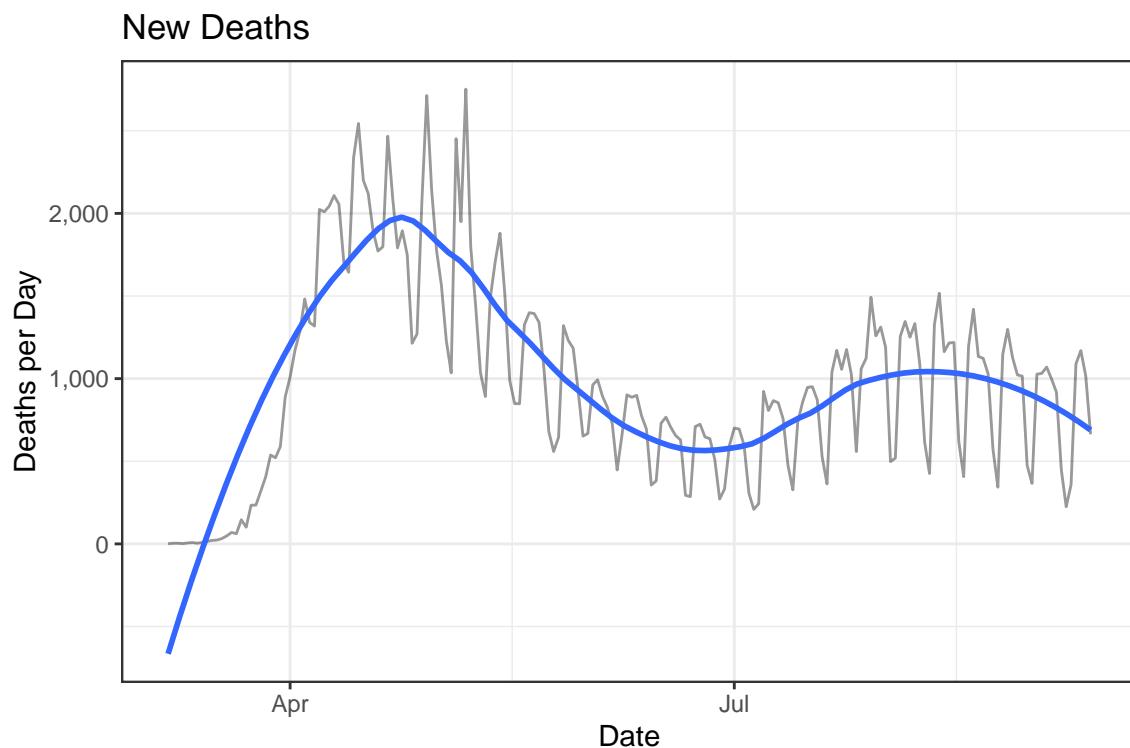
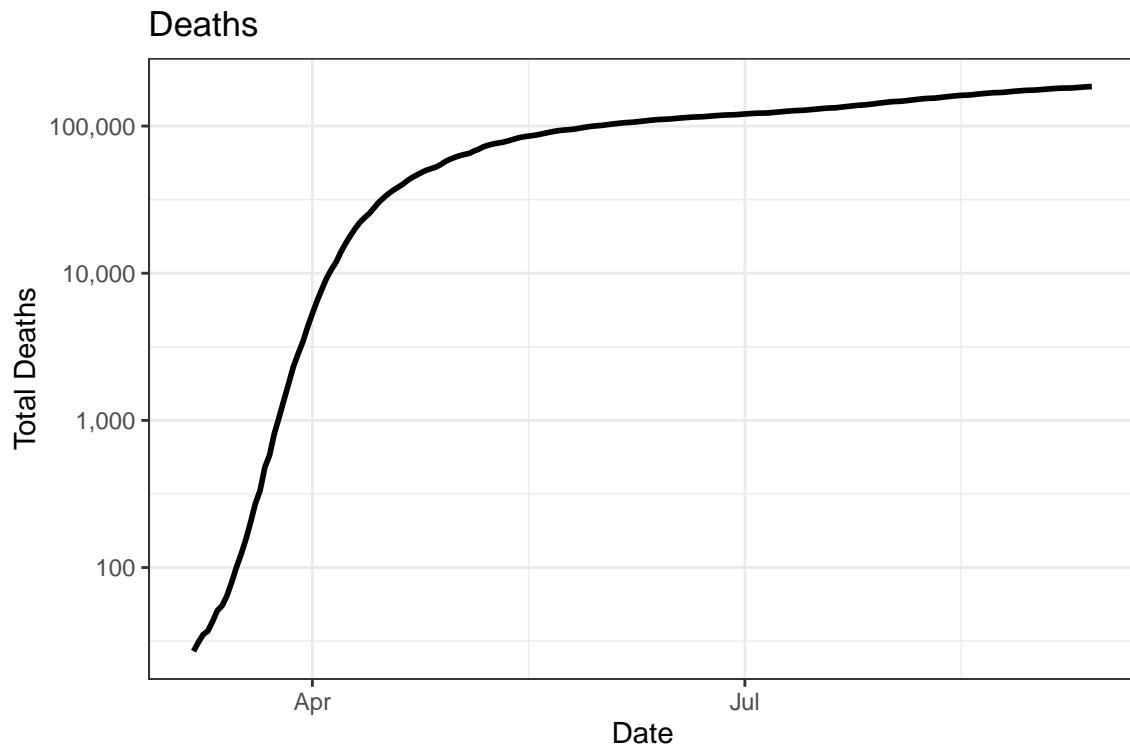
There have been 6,449,208 confirmed Covid-19 cases and 185,630 deaths in the United States.

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

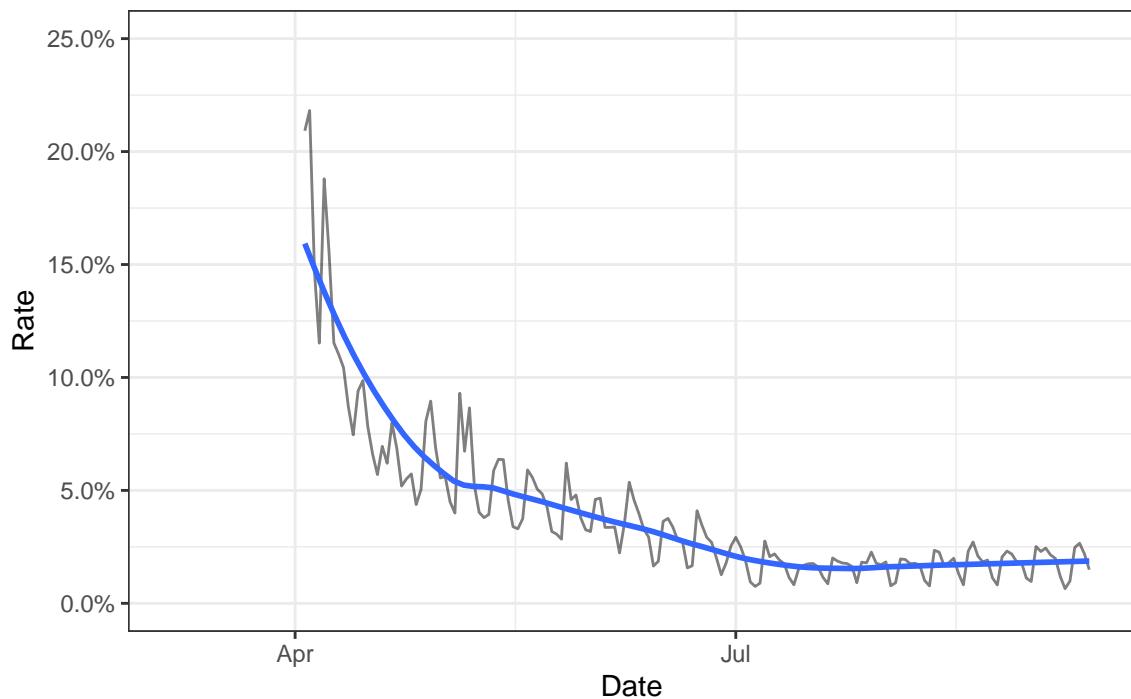
Date	Cases	Deaths	New Cases	New Deaths
2020-09-12	6,449,208	185,630	37,295	663
2020-09-11	6,411,913	184,967	44,927	1,018
2020-09-10	6,366,986	183,949	37,581	1,170
2020-09-09	6,329,405	182,779	30,983	1,089
2020-09-08	6,298,422	181,690	22,223	358
2020-09-07	6,276,199	181,332	28,682	225
2020-09-06	6,247,517	181,107	33,117	449
2020-09-05	6,214,400	180,658	44,905	918
2020-09-04	6,169,495	179,740	51,591	998
2020-09-03	6,117,904	178,742	44,714	1,070
2020-09-02	6,073,190	177,672	30,603	1,032
2020-09-01	6,042,587	176,640	42,433	1,027
2020-08-31	6,000,154	175,613	31,406	366
2020-08-30	5,968,748	175,247	39,501	475

Deaths

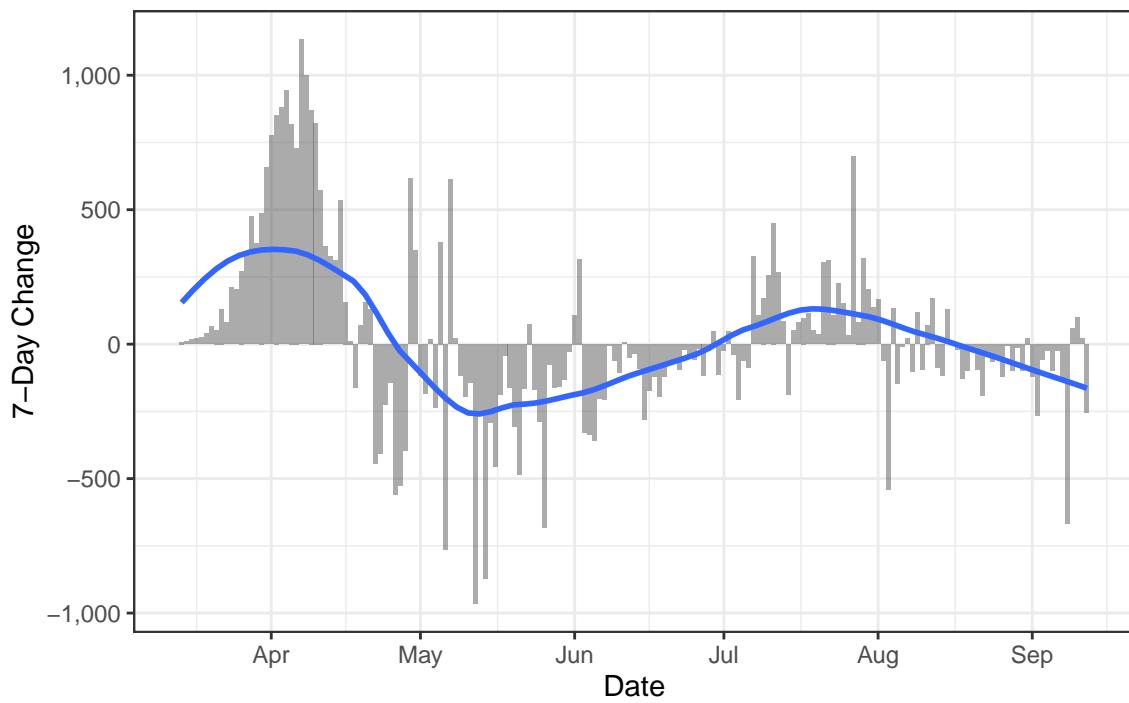
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

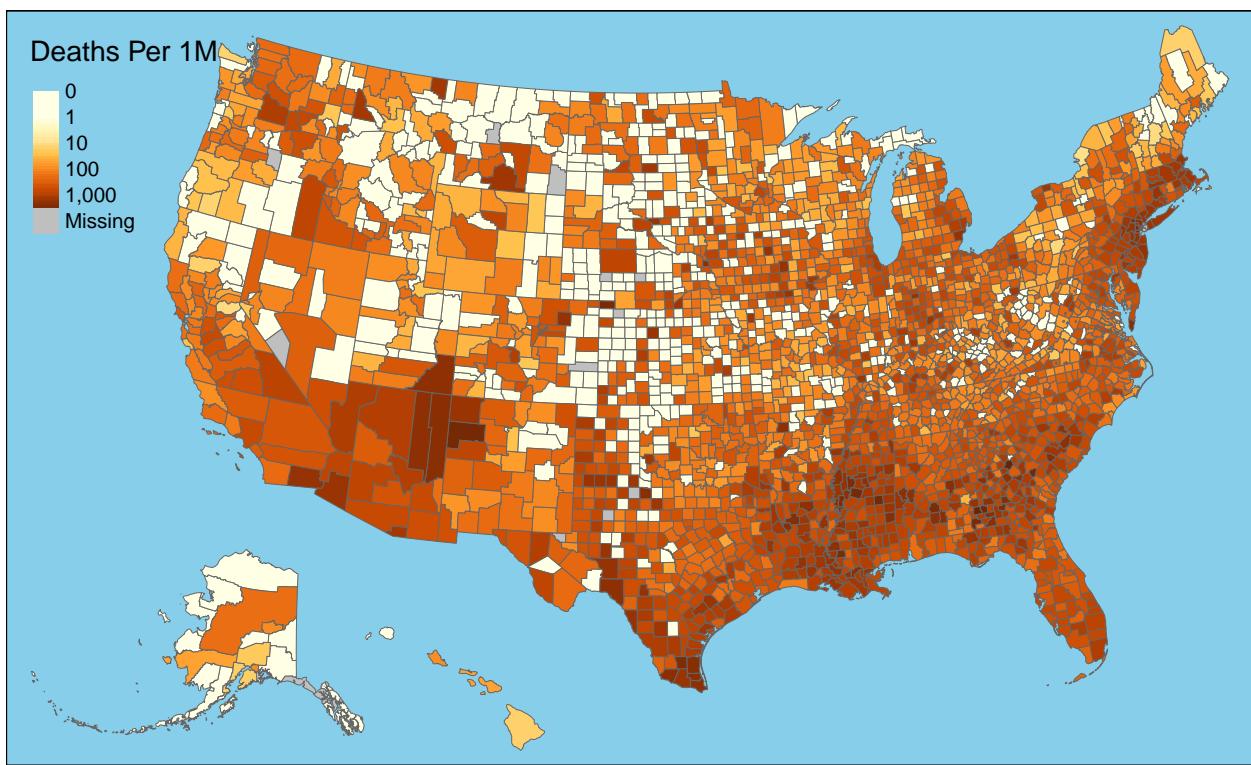


Daily Case Mortality Rate



One-Week Change in Daily Deaths

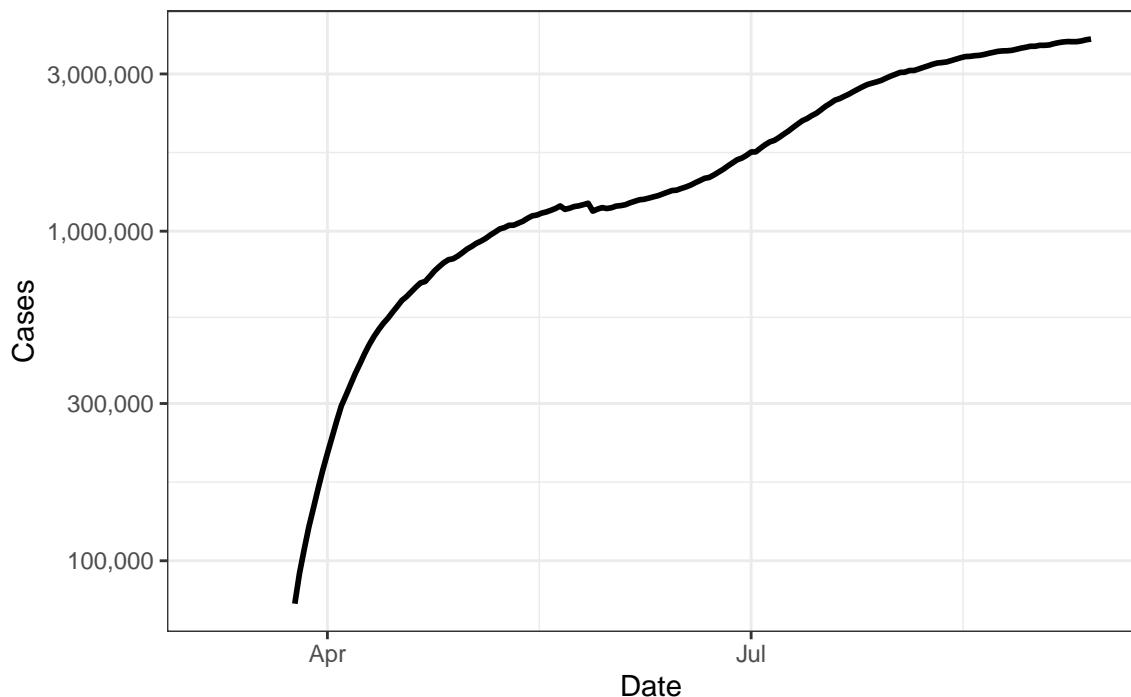




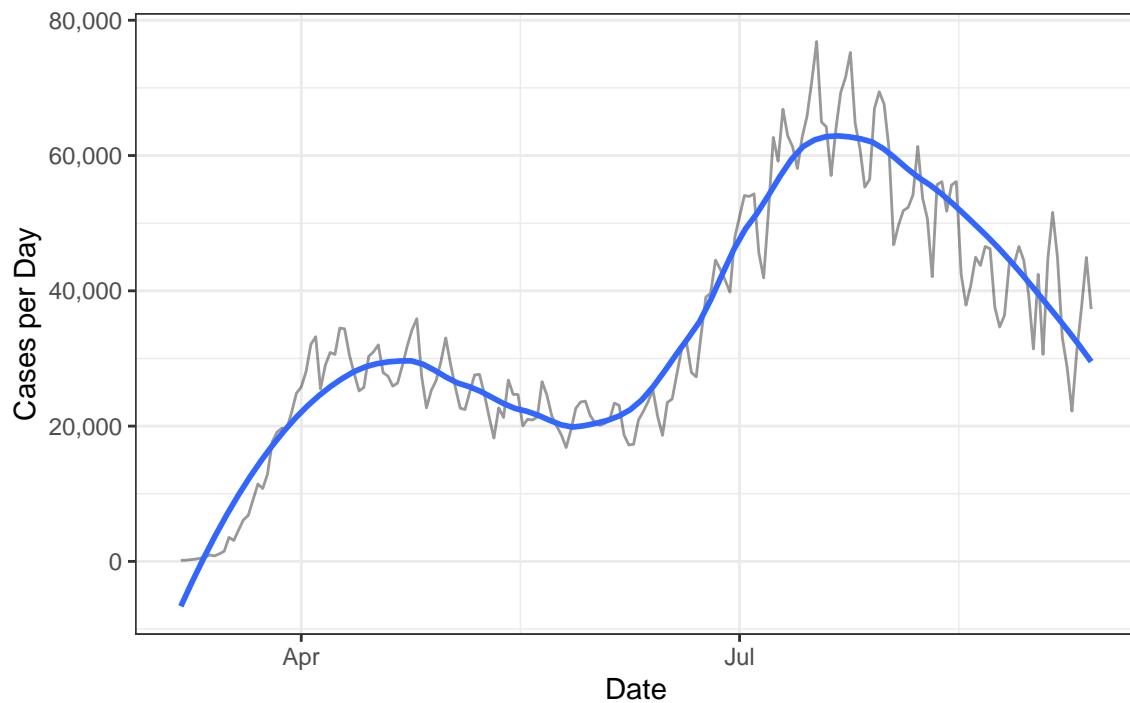
Cases

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

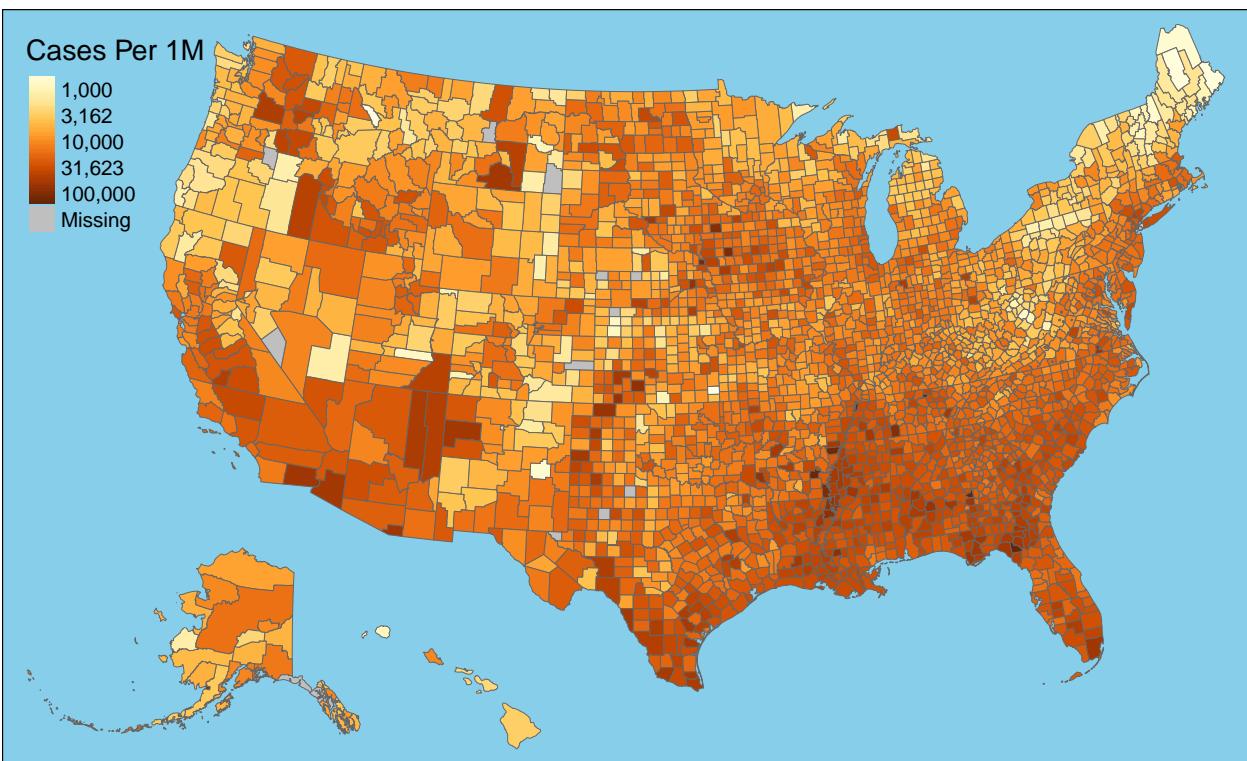
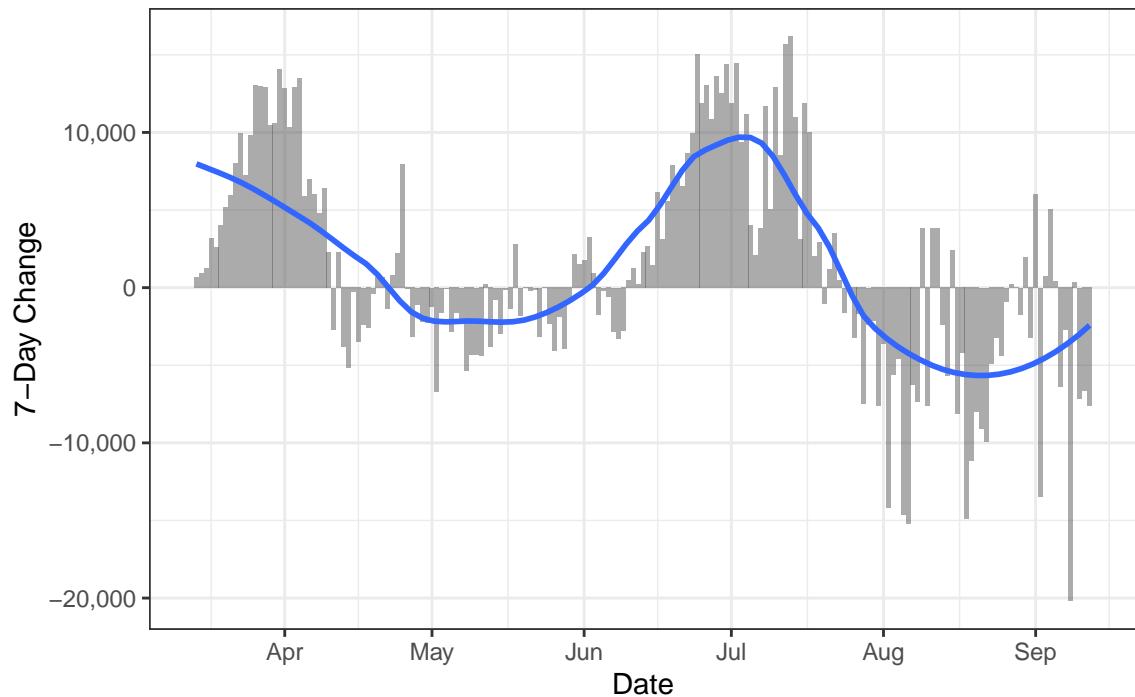
Active Cases



New Cases

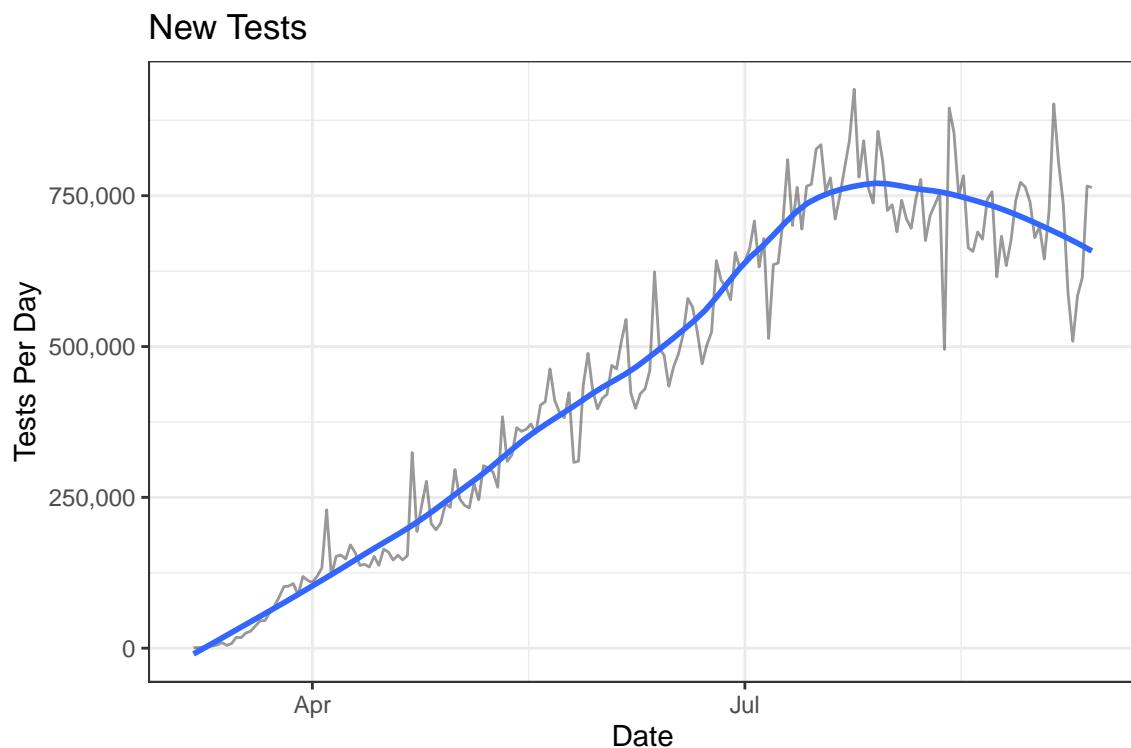
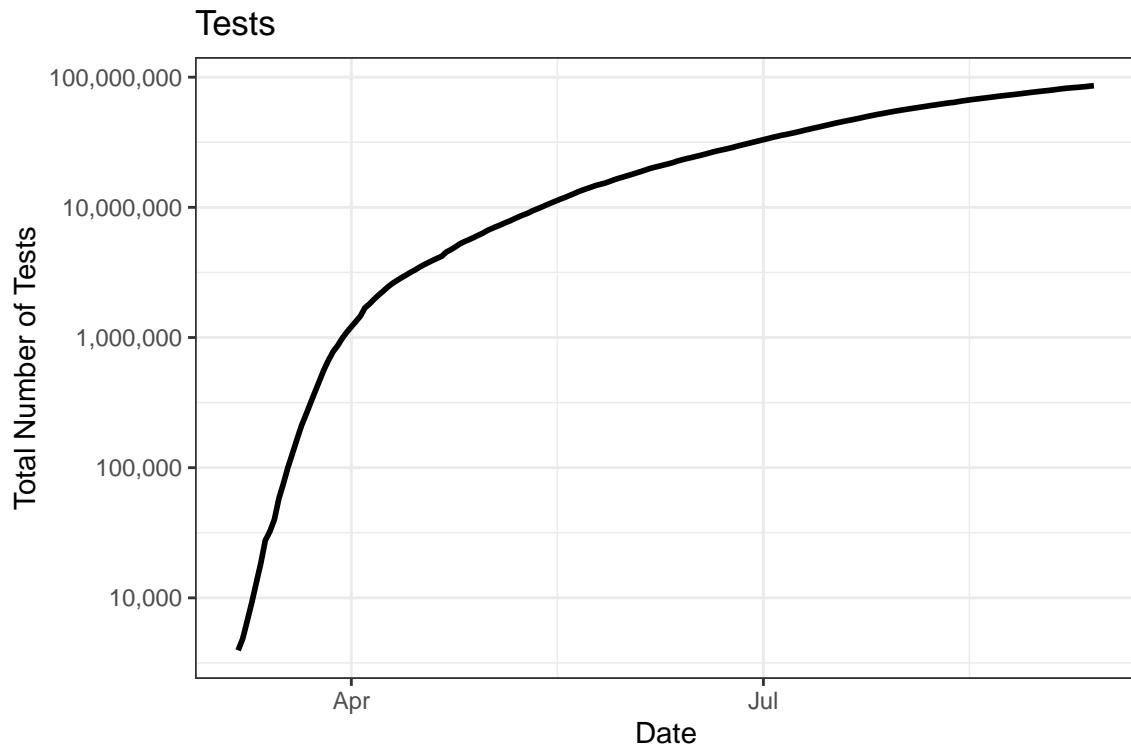


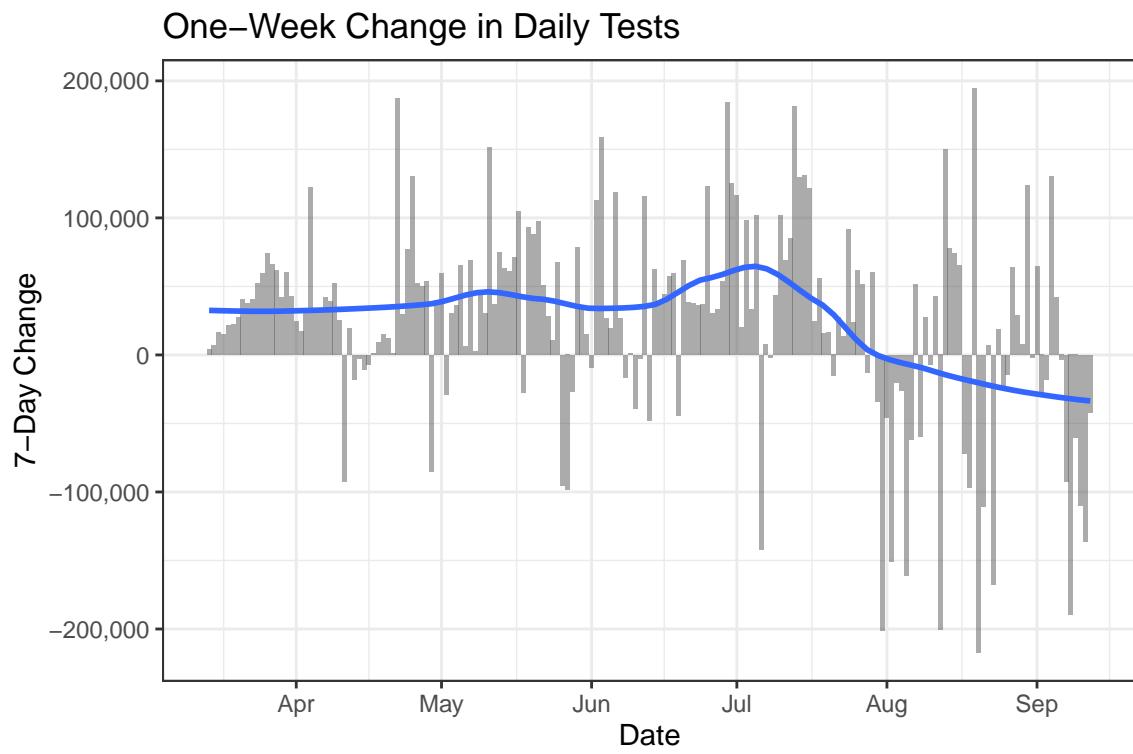
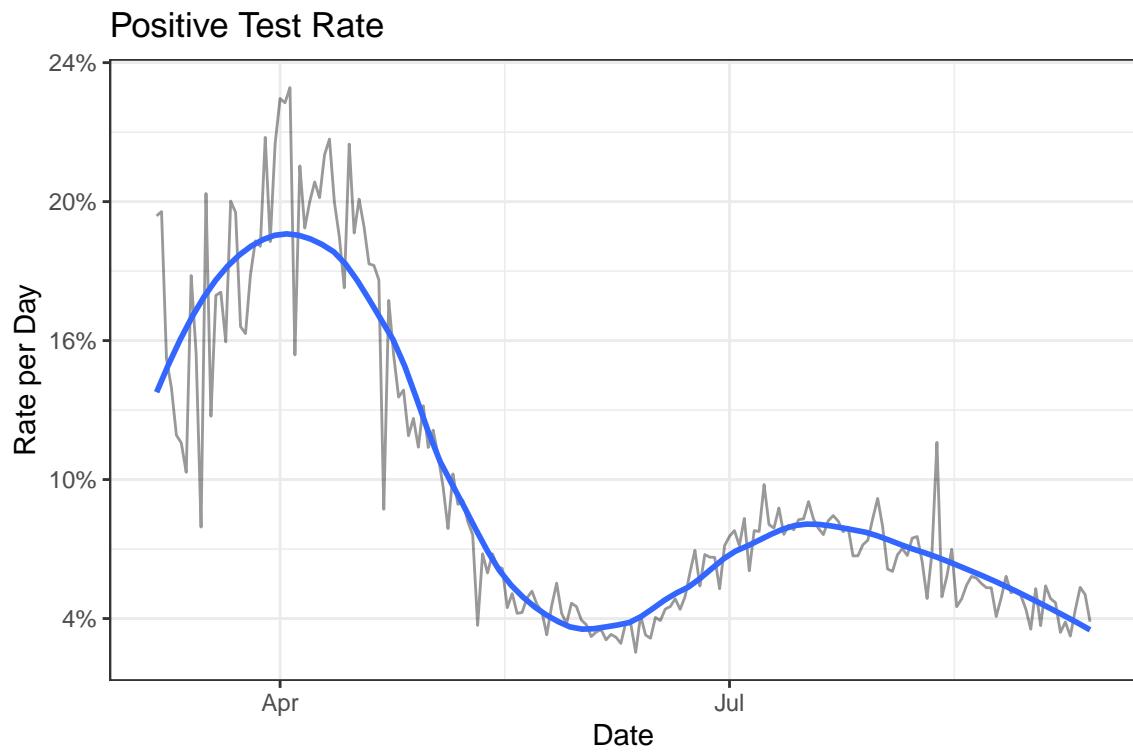
One-Week Change in Daily Cases



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.



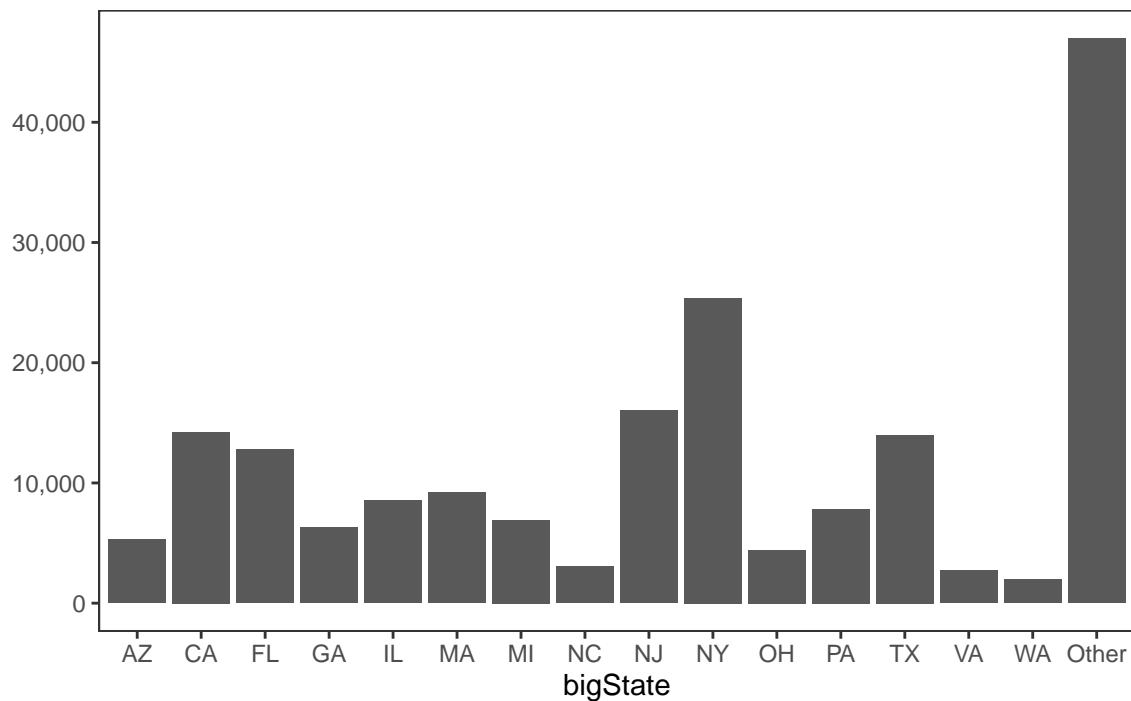


State Data

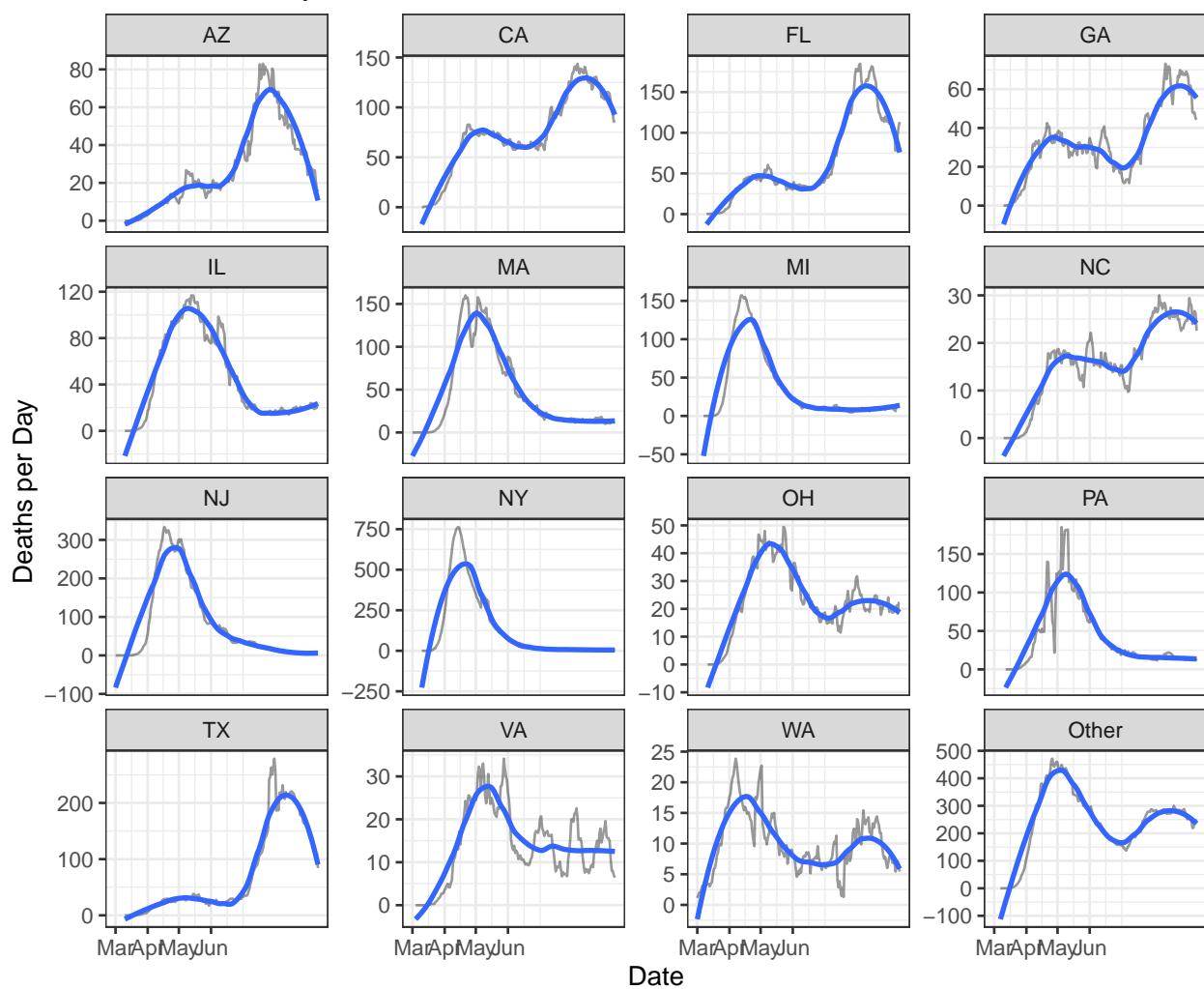
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

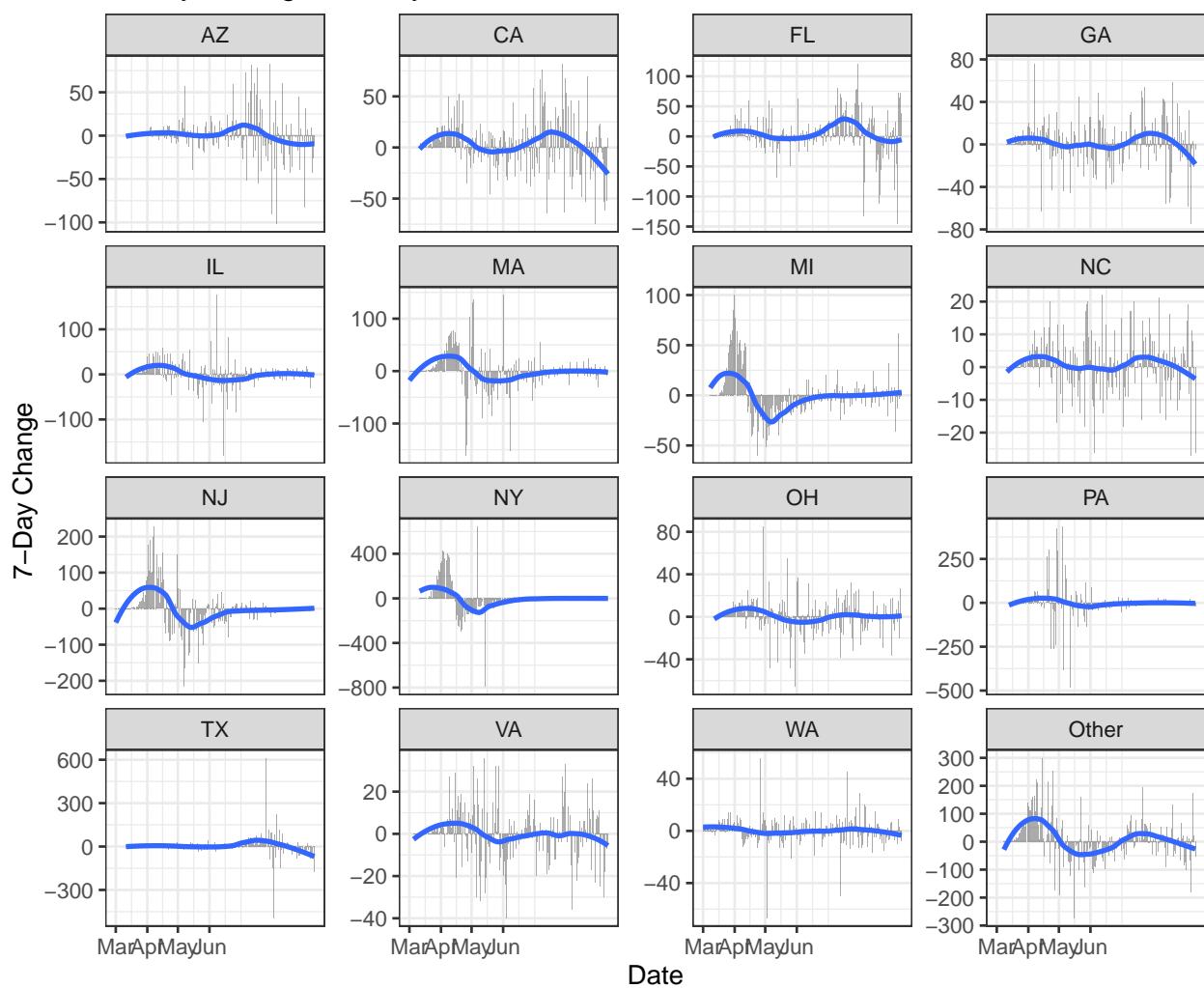
Deaths by State

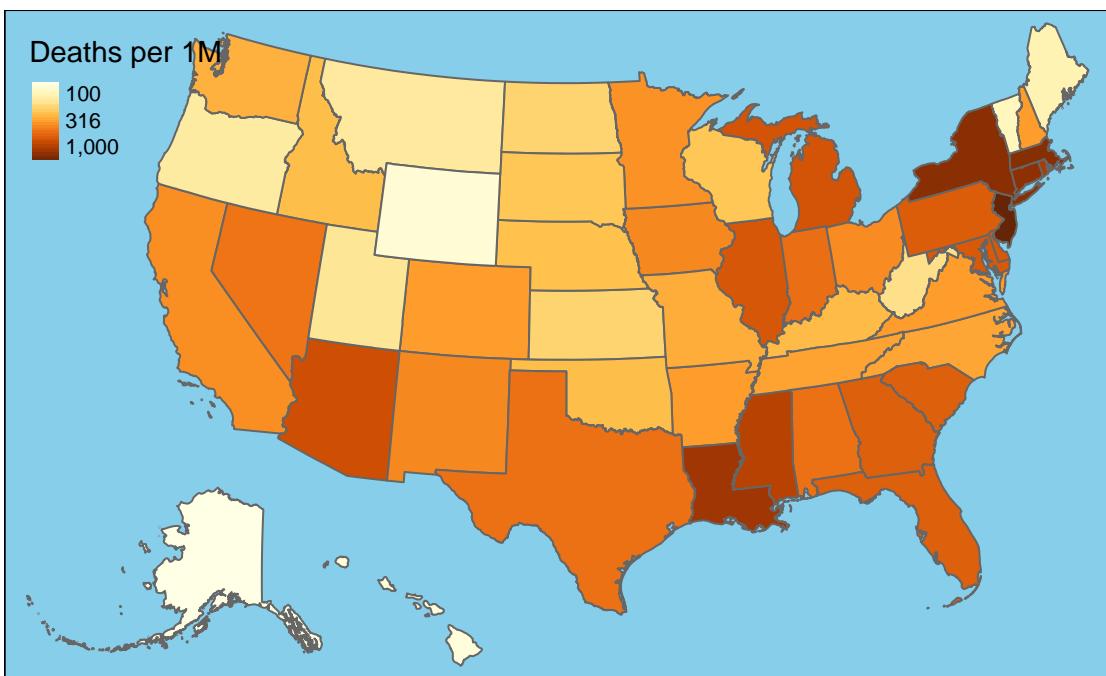
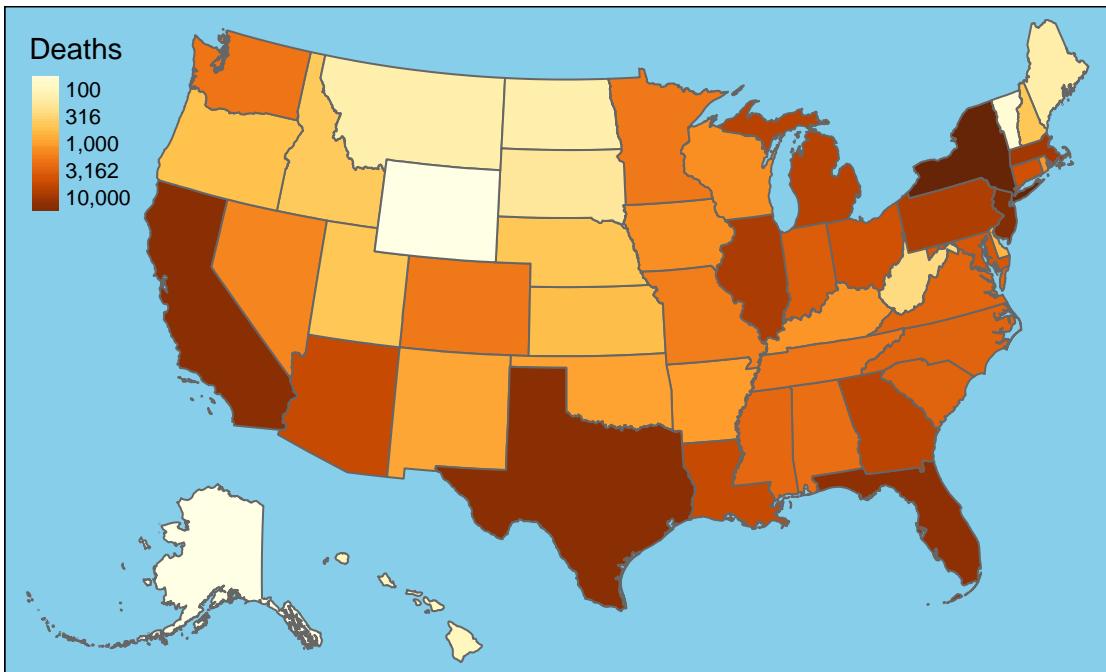


New Deaths by State



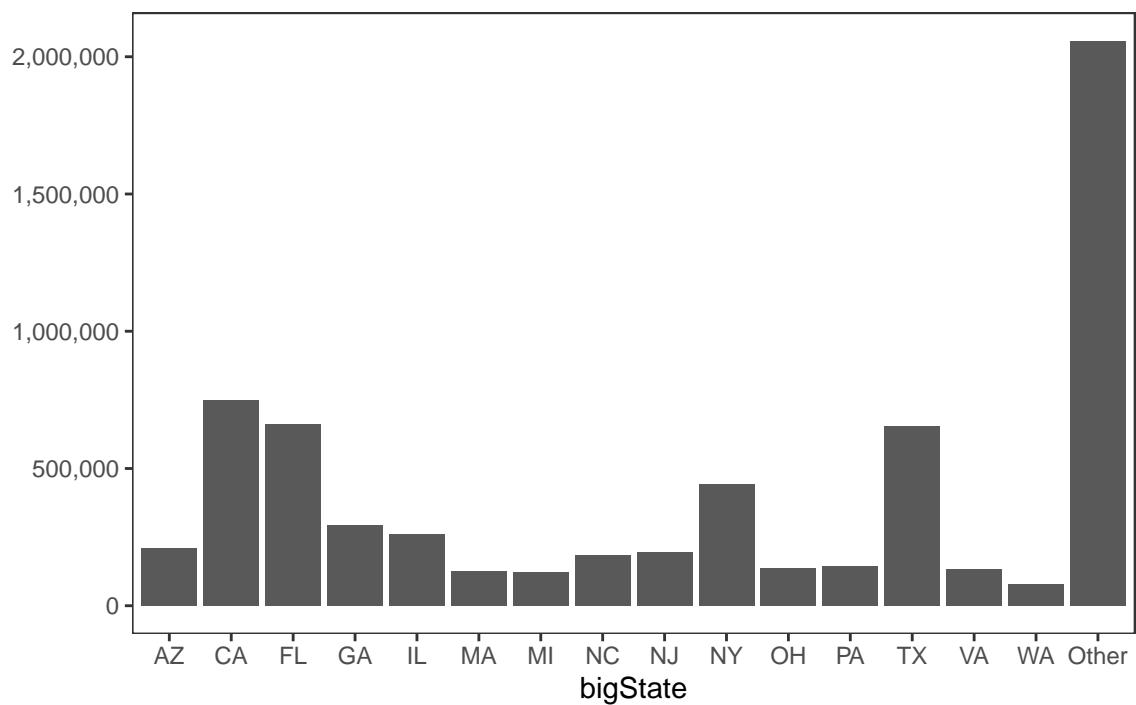
7-Day Change in Daily Deaths



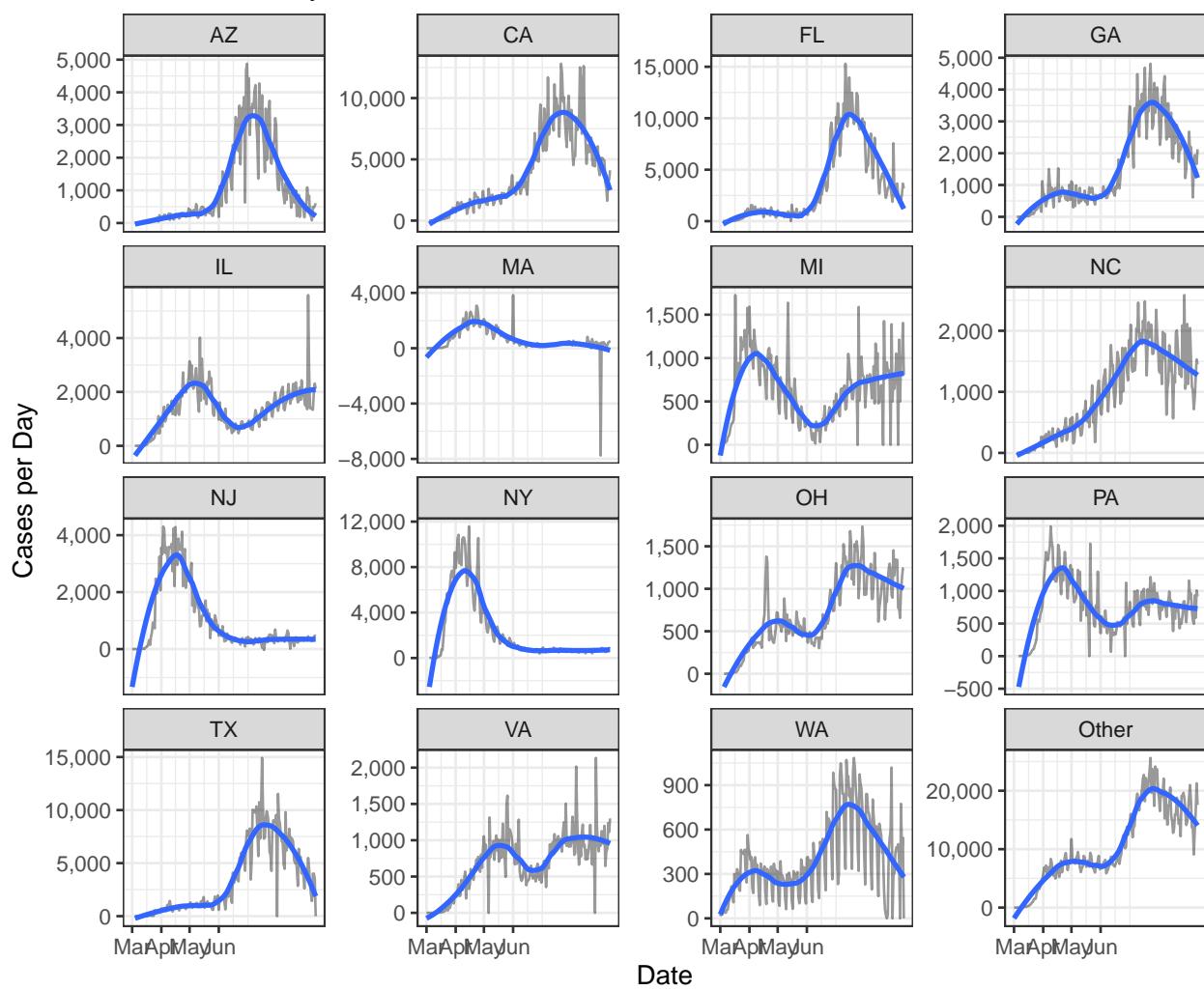


Cases

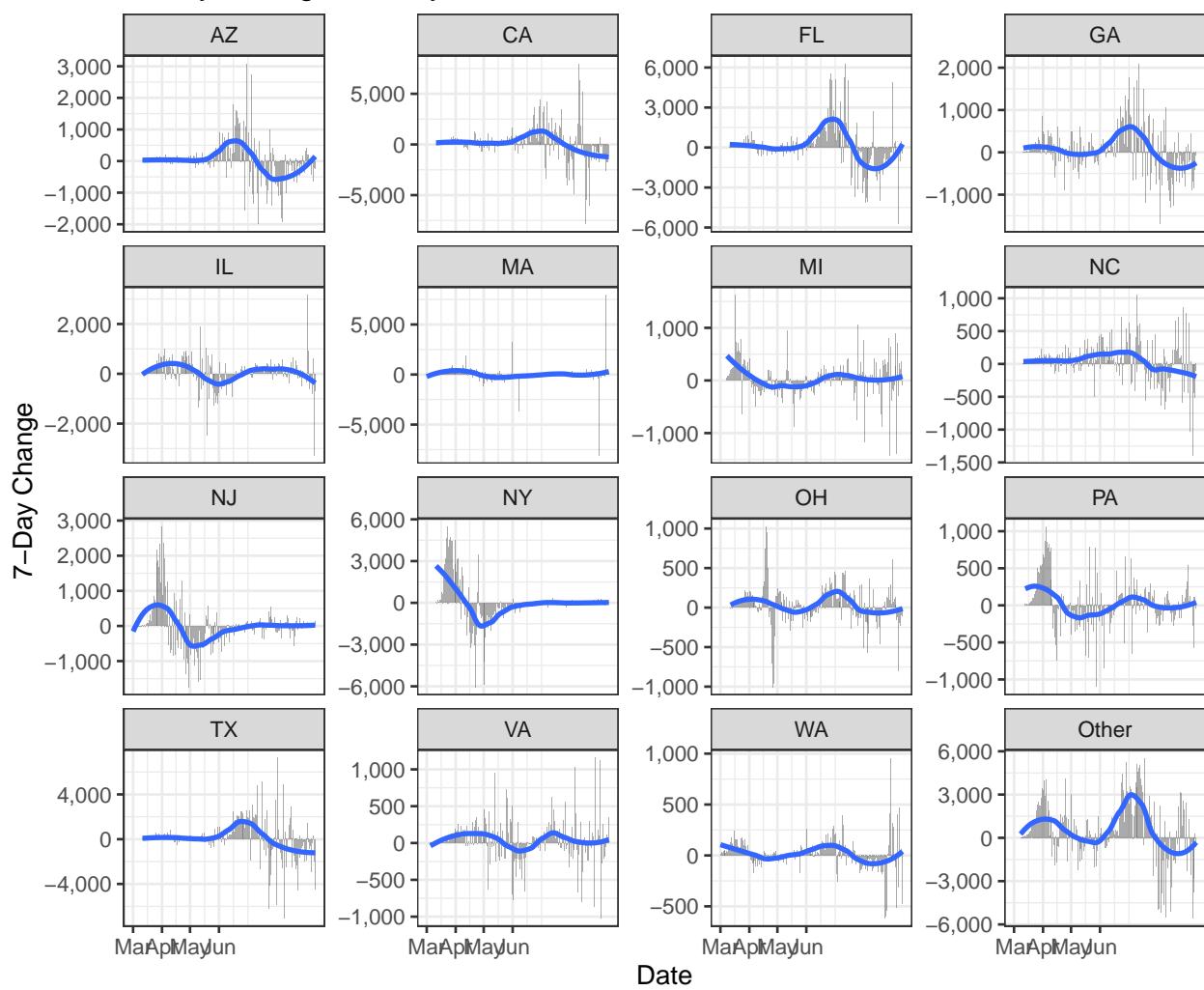
Cases by State

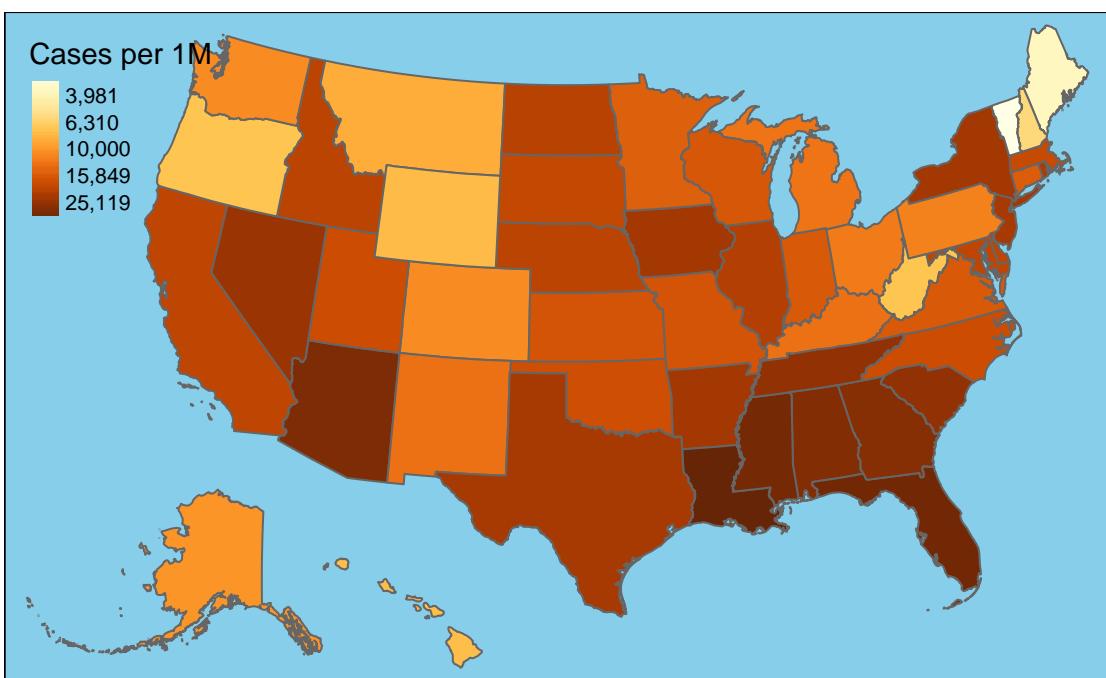
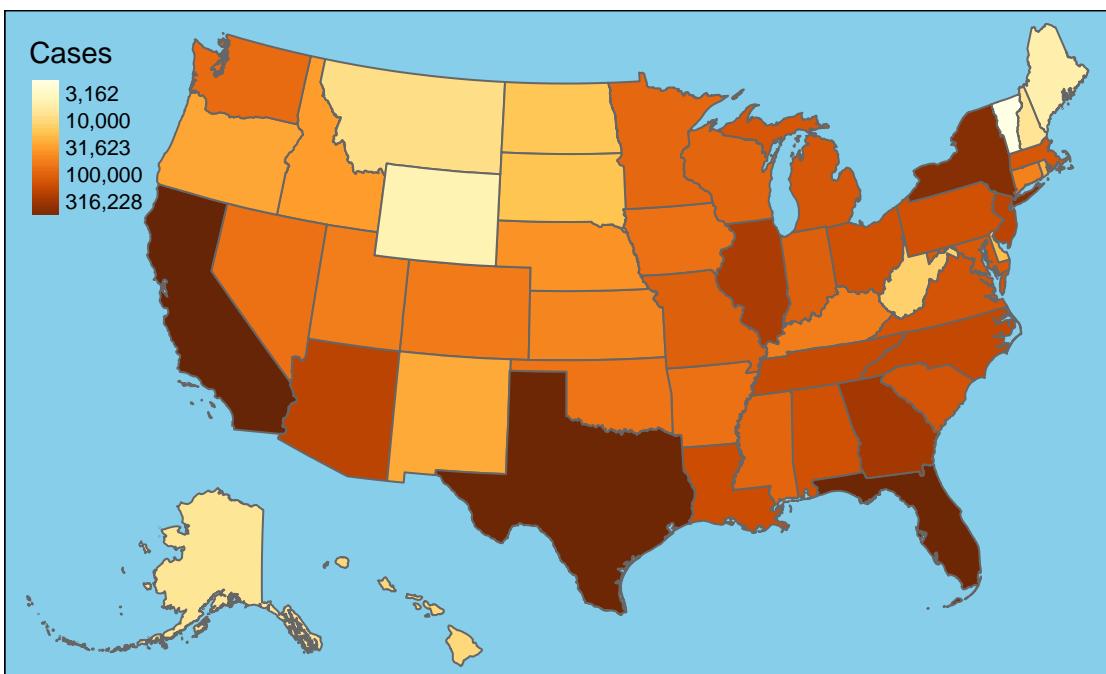


New Cases by State



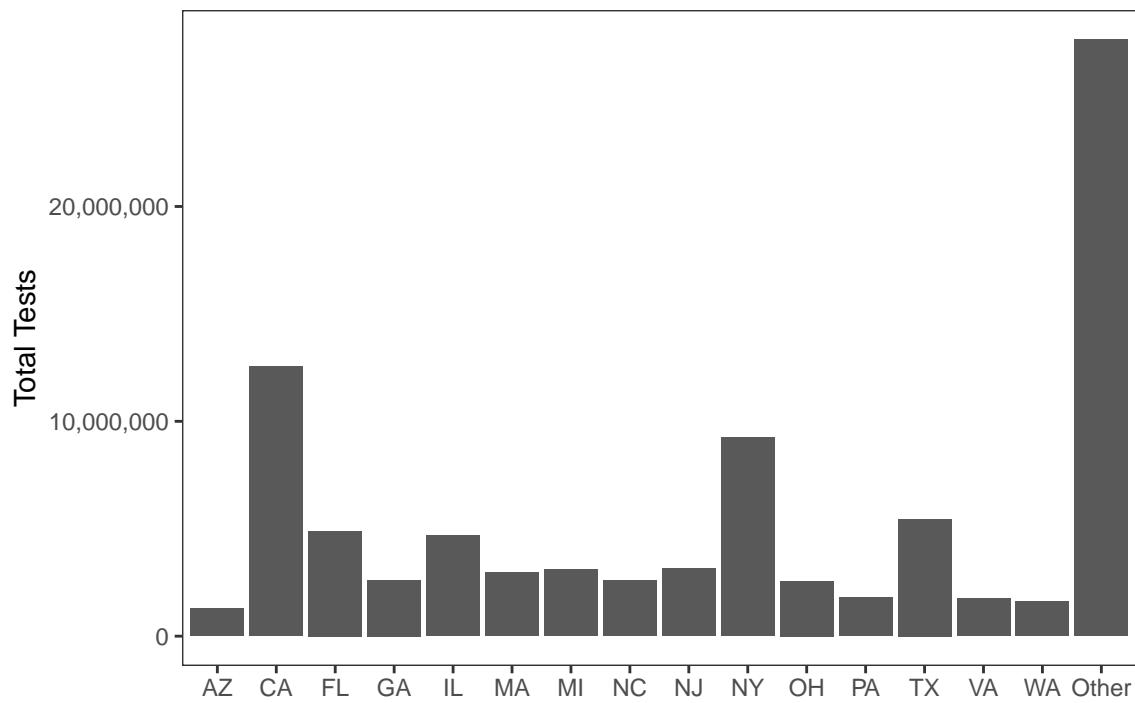
7-Day Change in Daily Cases



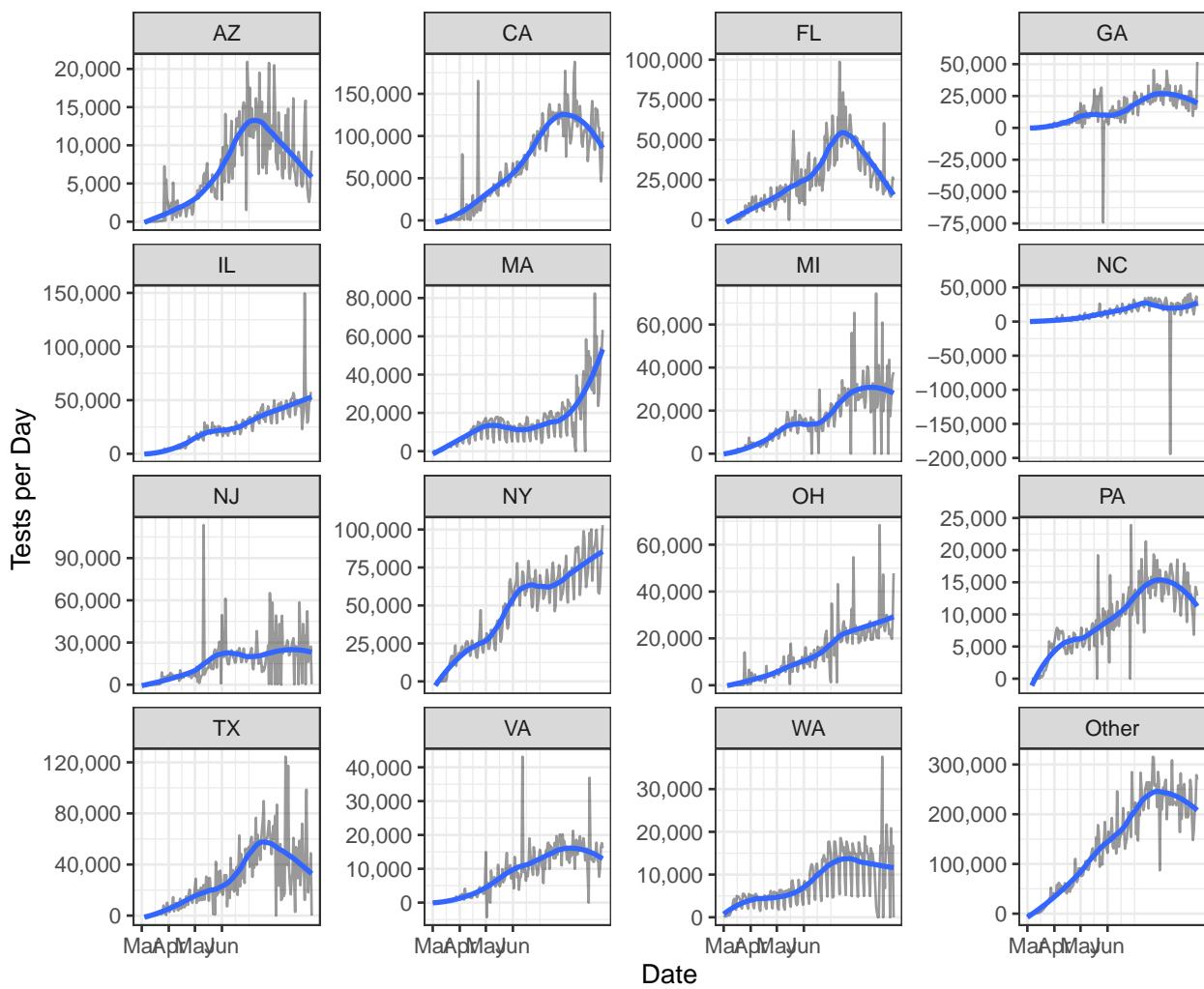


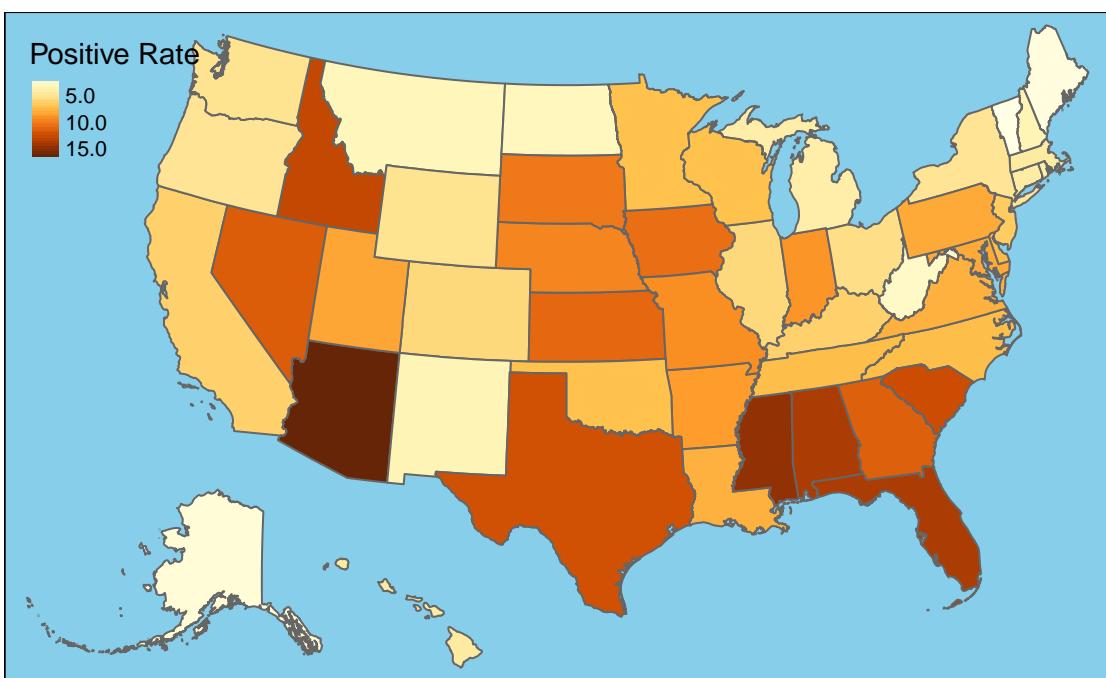
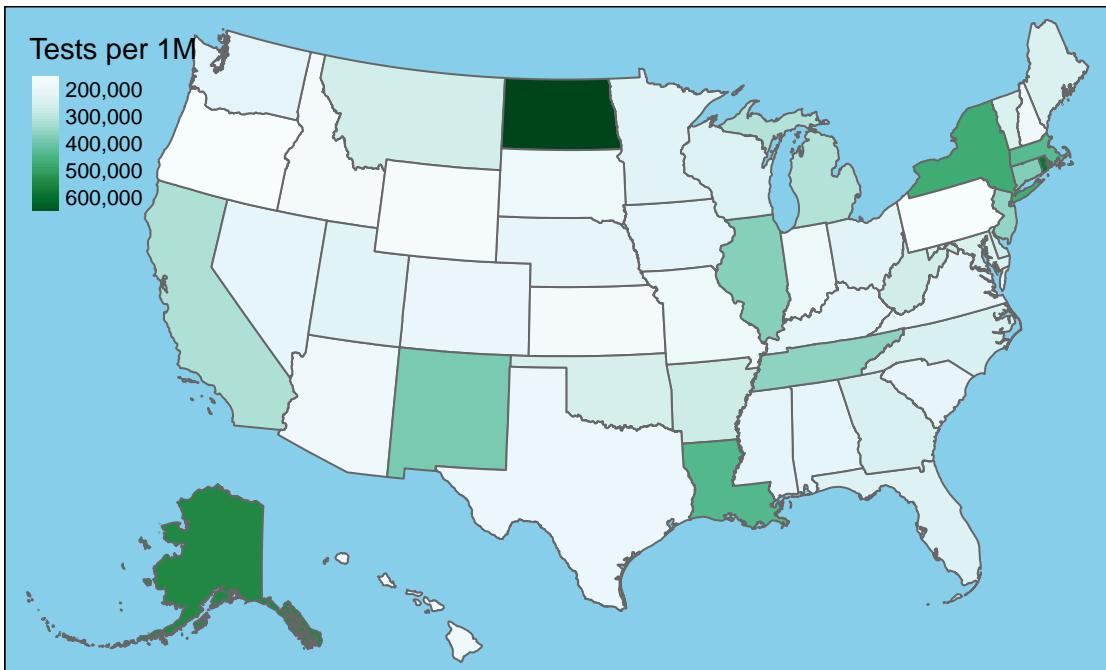
Testing

Tests by State

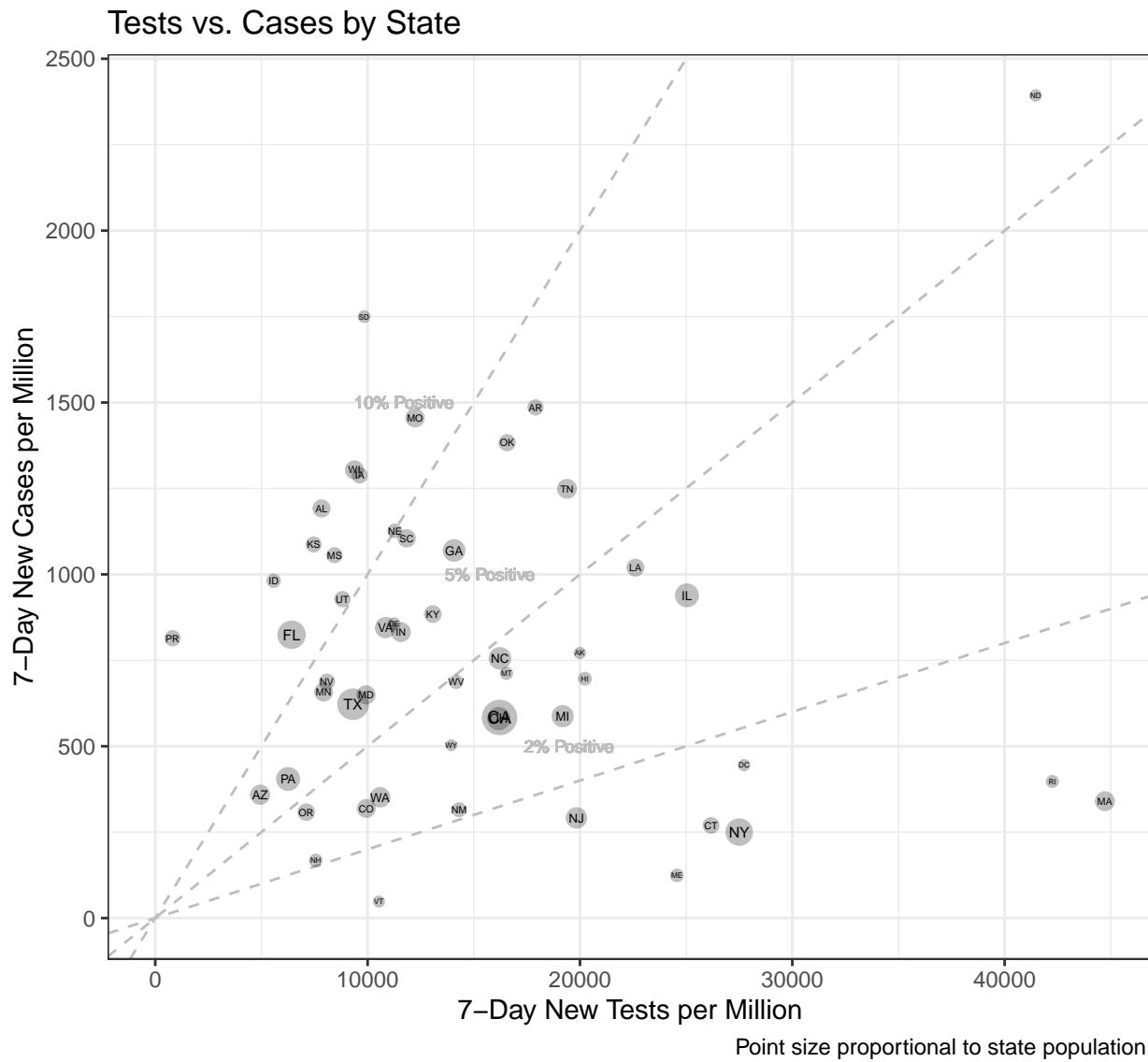


New Tests by State





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.



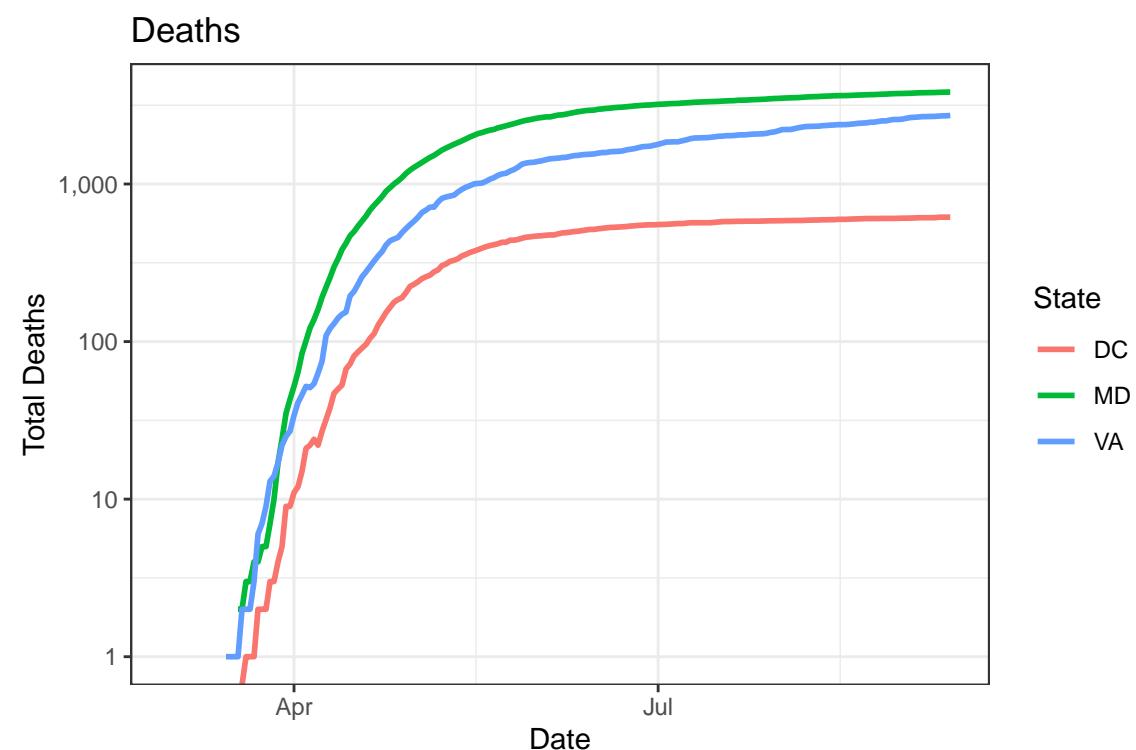
Local Data

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

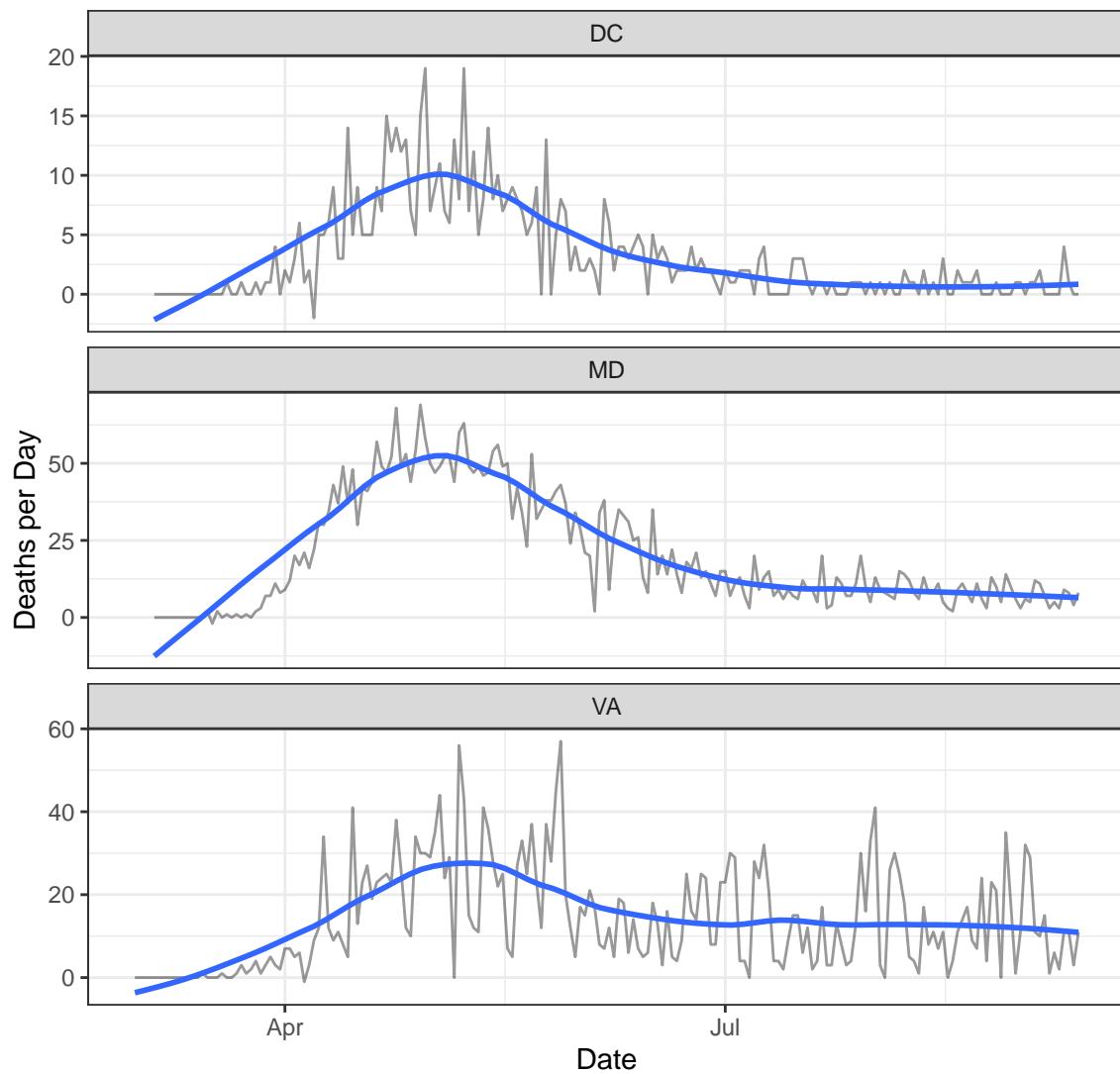
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,552	616	59	0
MD	115,533	3,836	809	8
VA	132,940	2,722	1,300	11

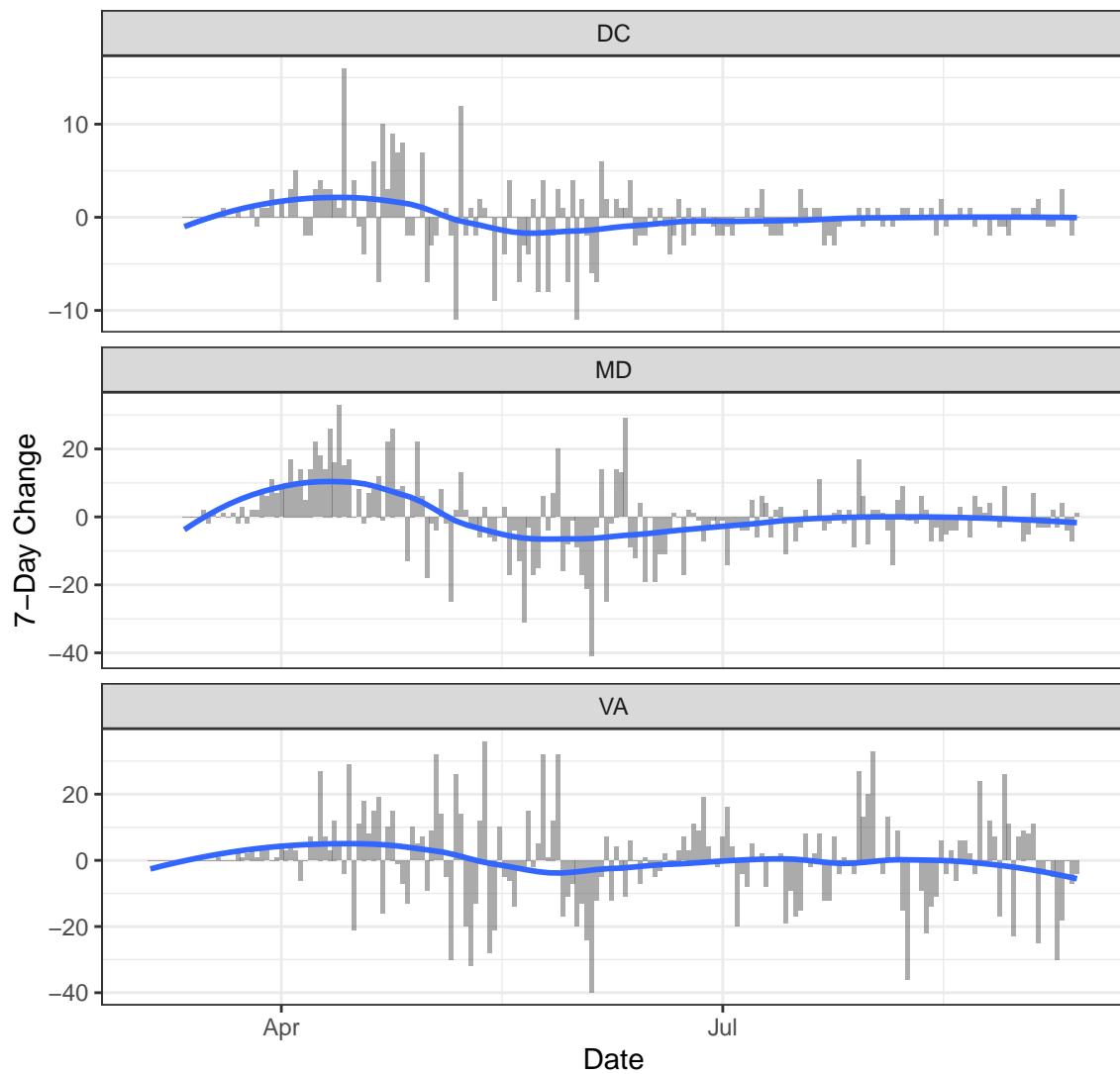
Deaths

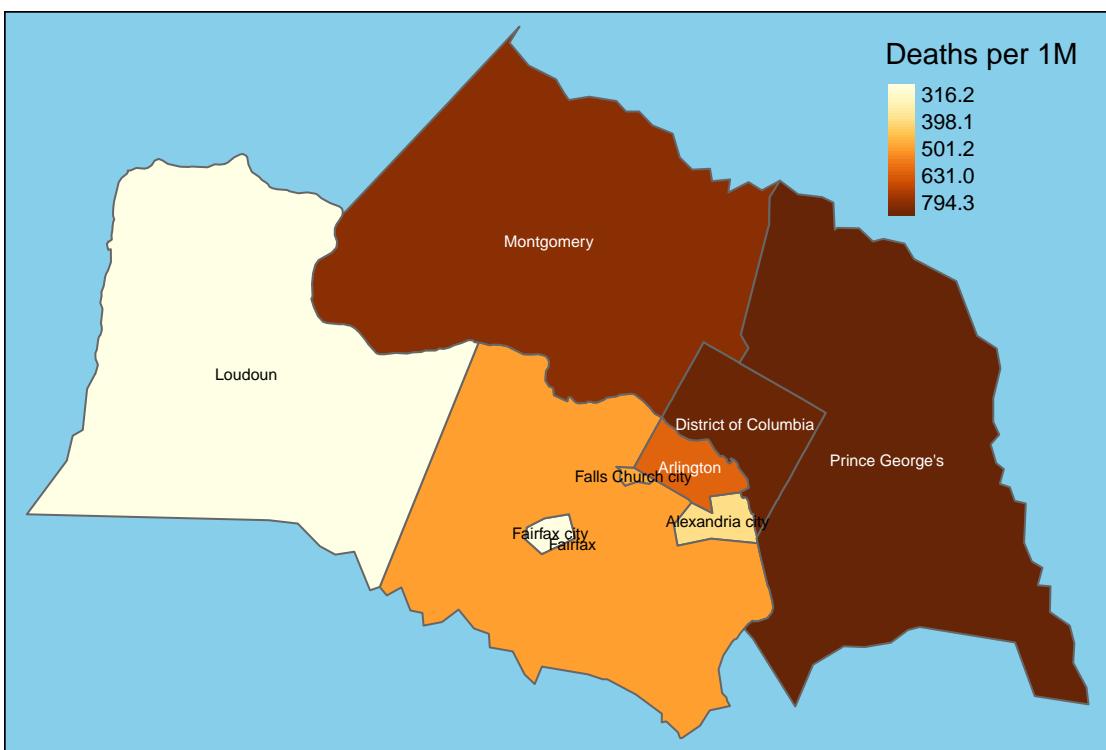
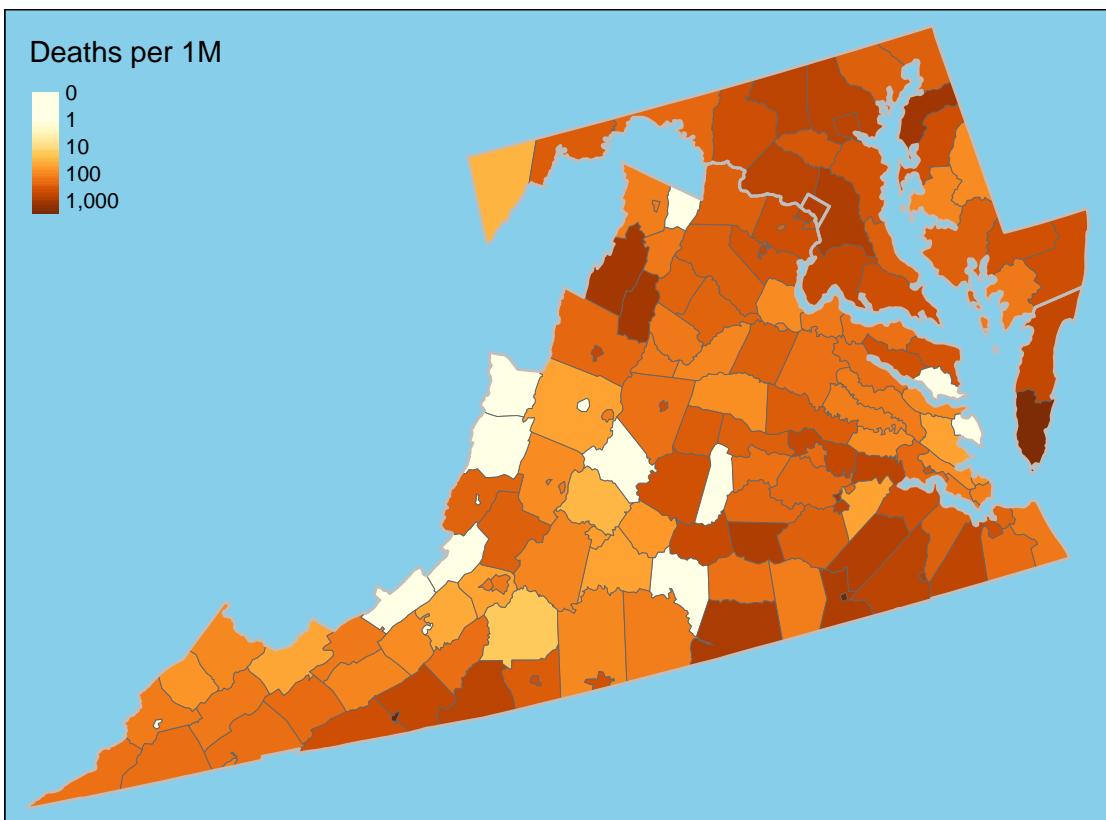


New Deaths

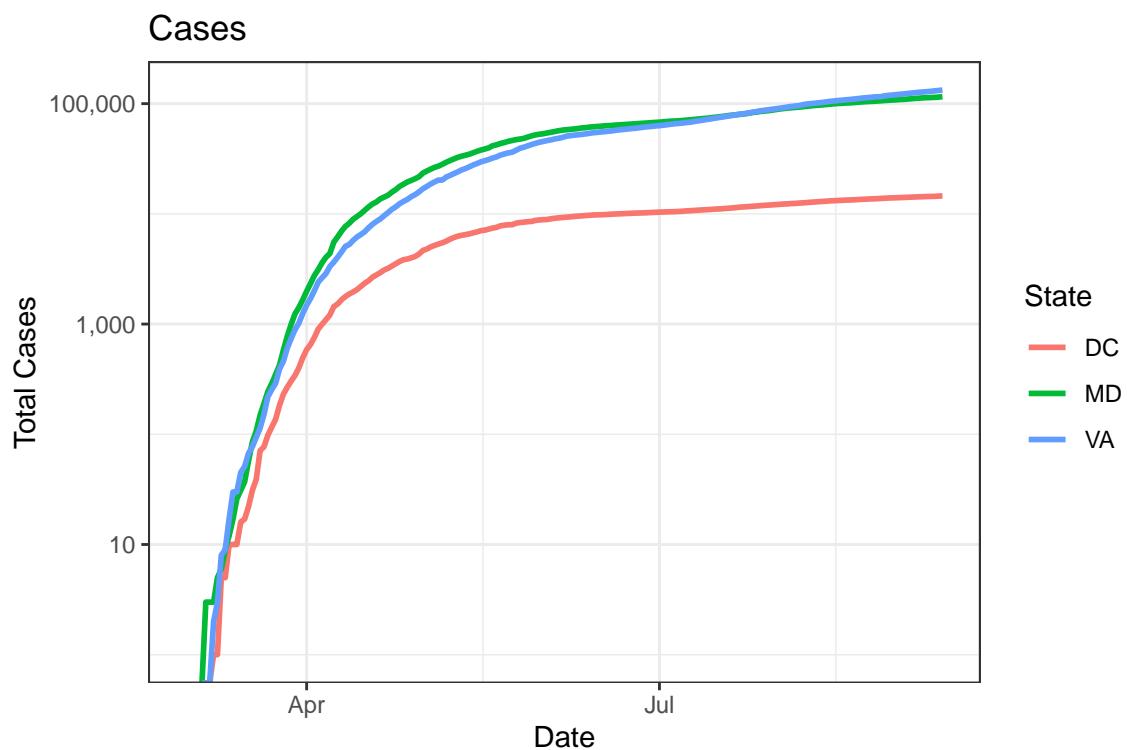


One-Week Change in Daily Deaths

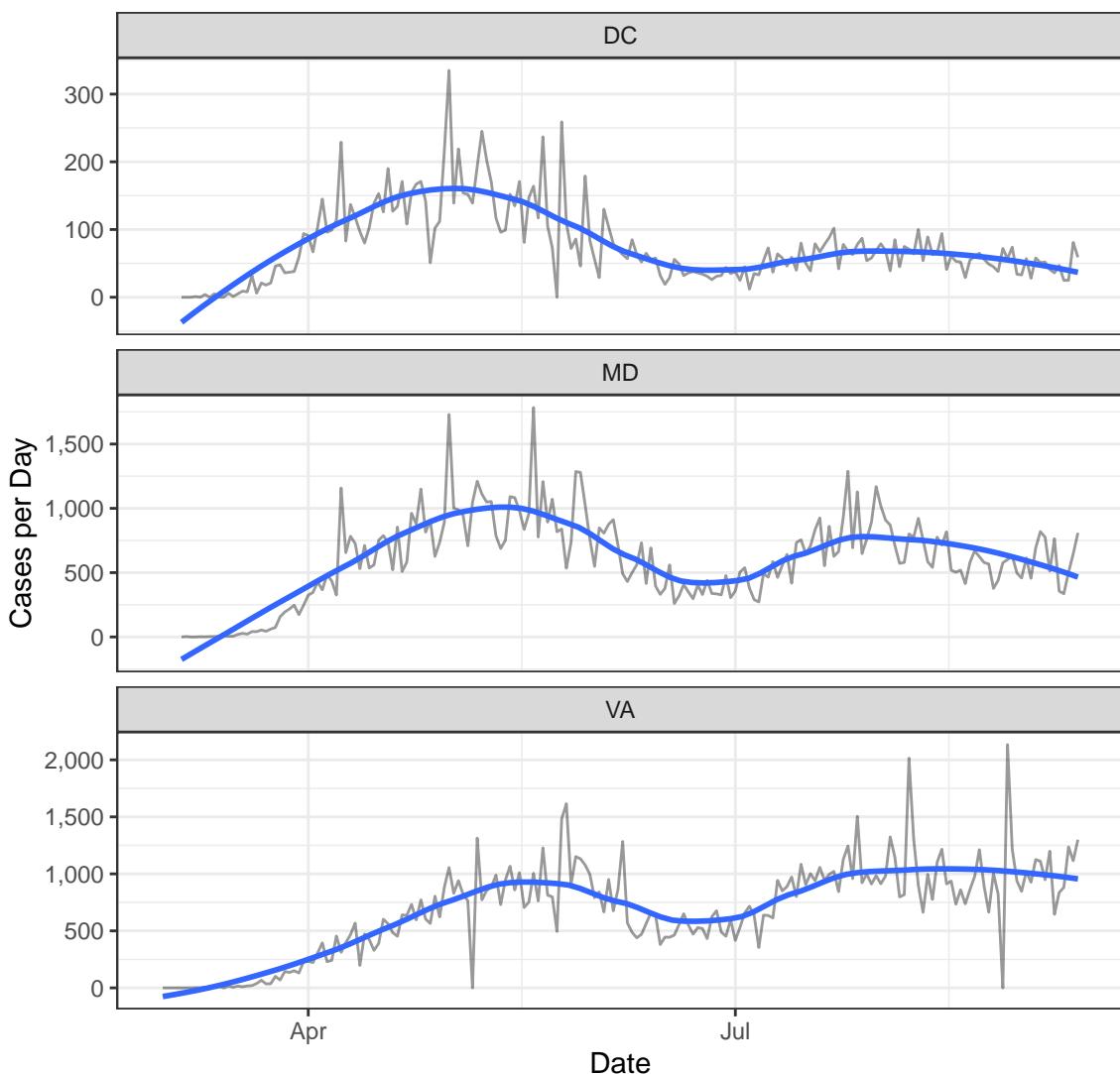




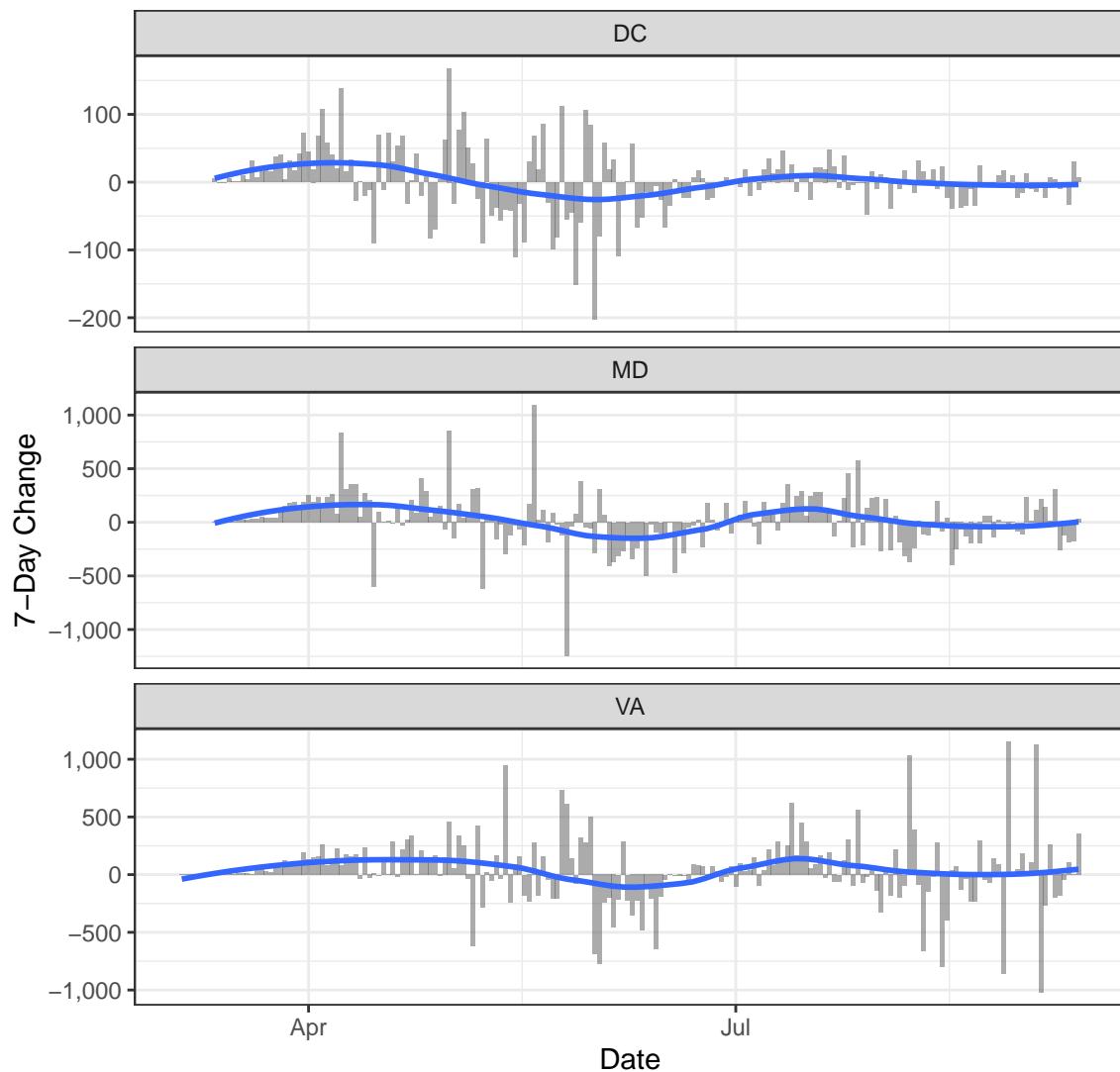
Cases

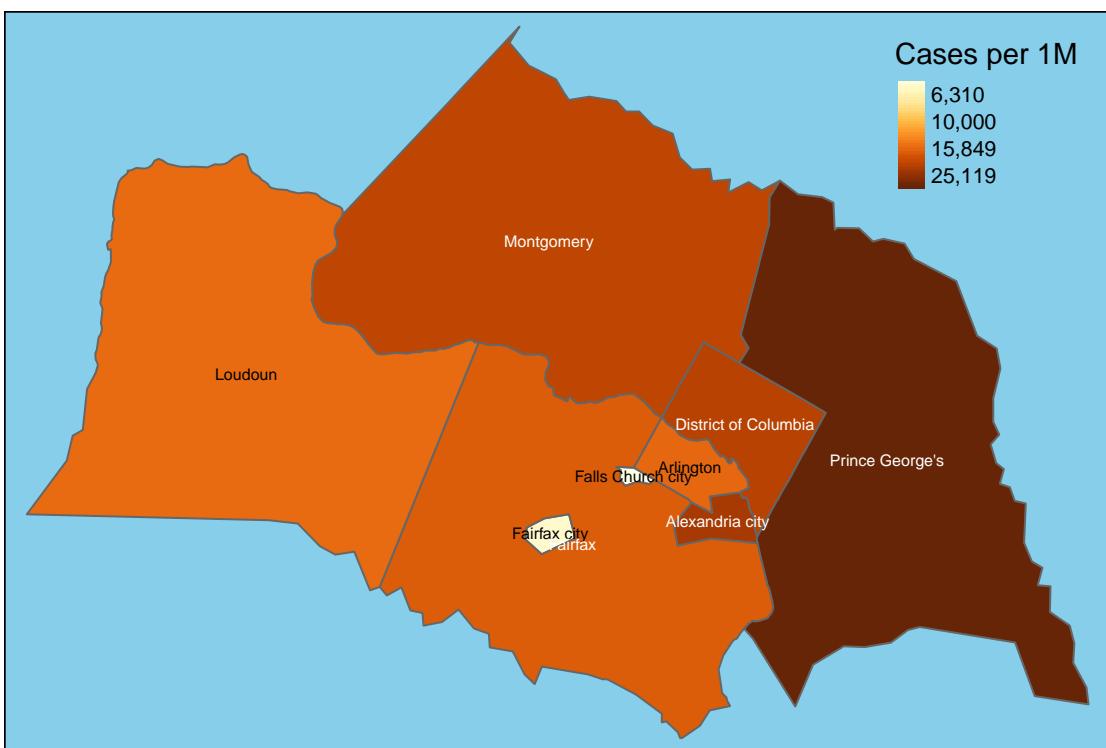
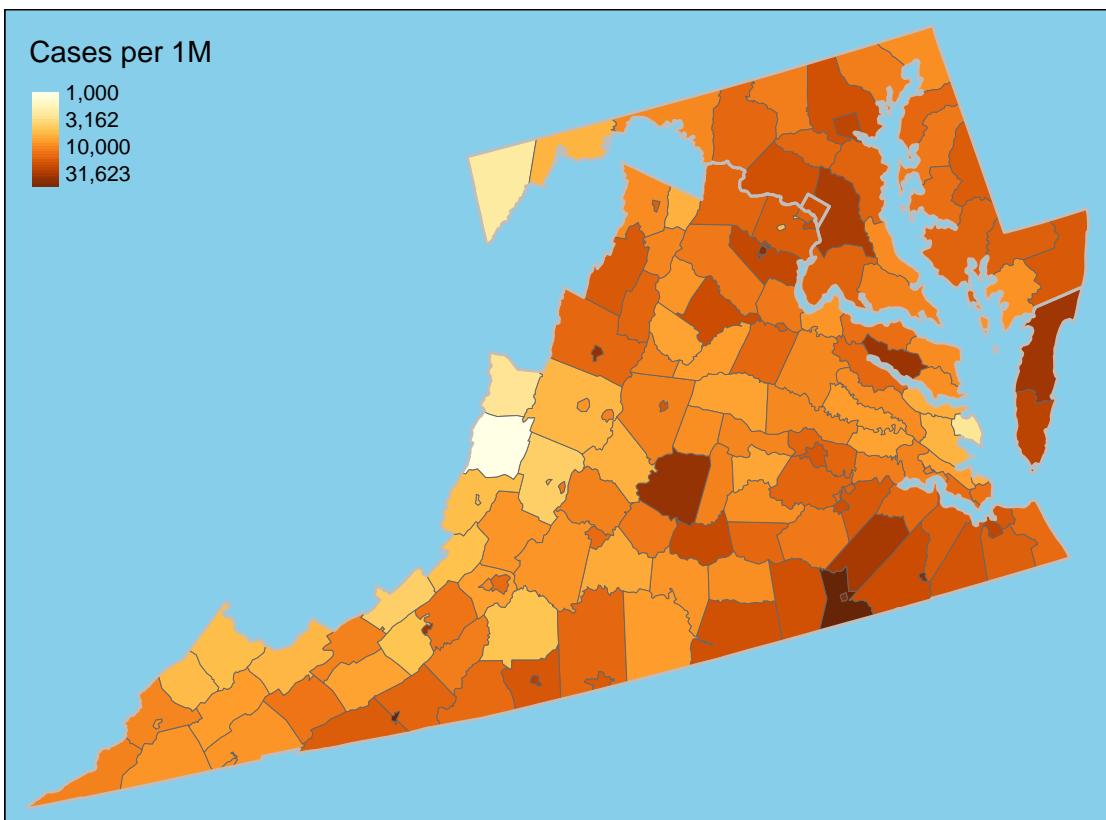


New Cases

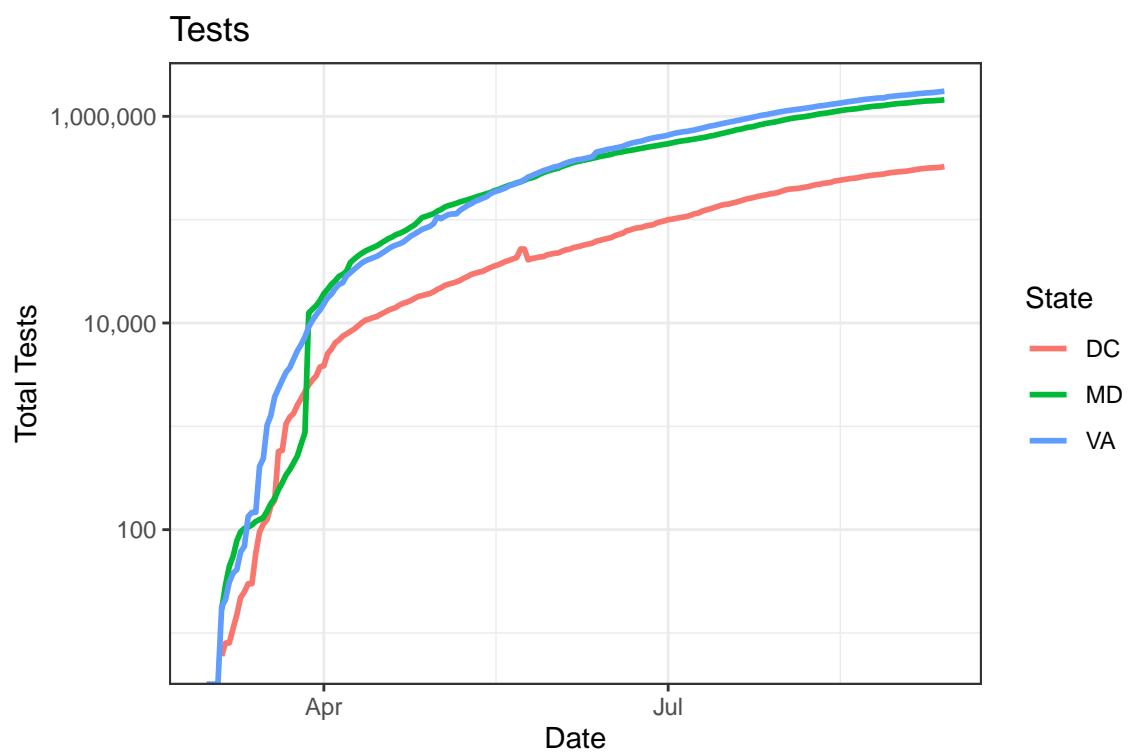


One-Week Change in Daily Cases

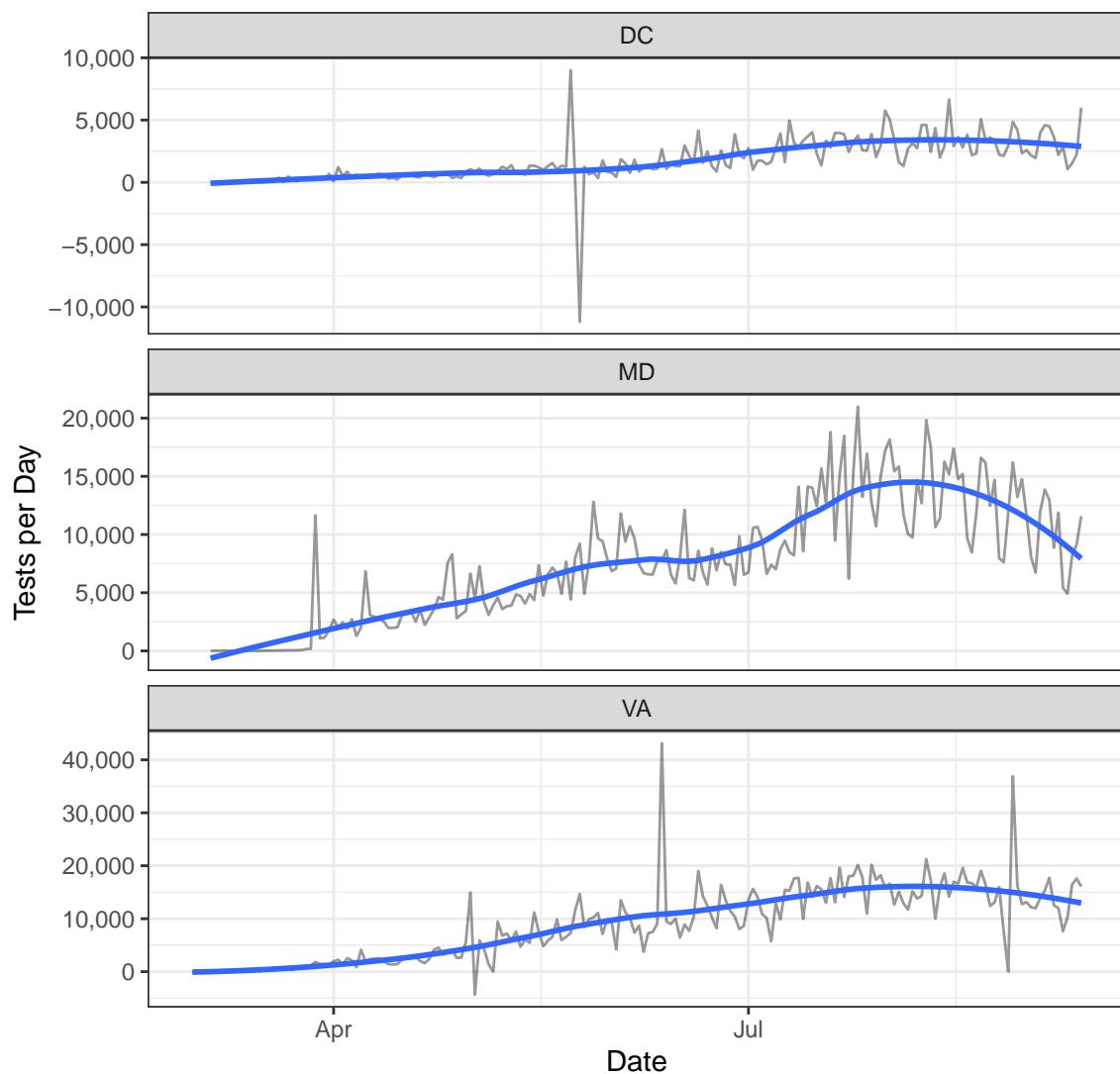




Testing



New Tests



Positive Test Rate

