

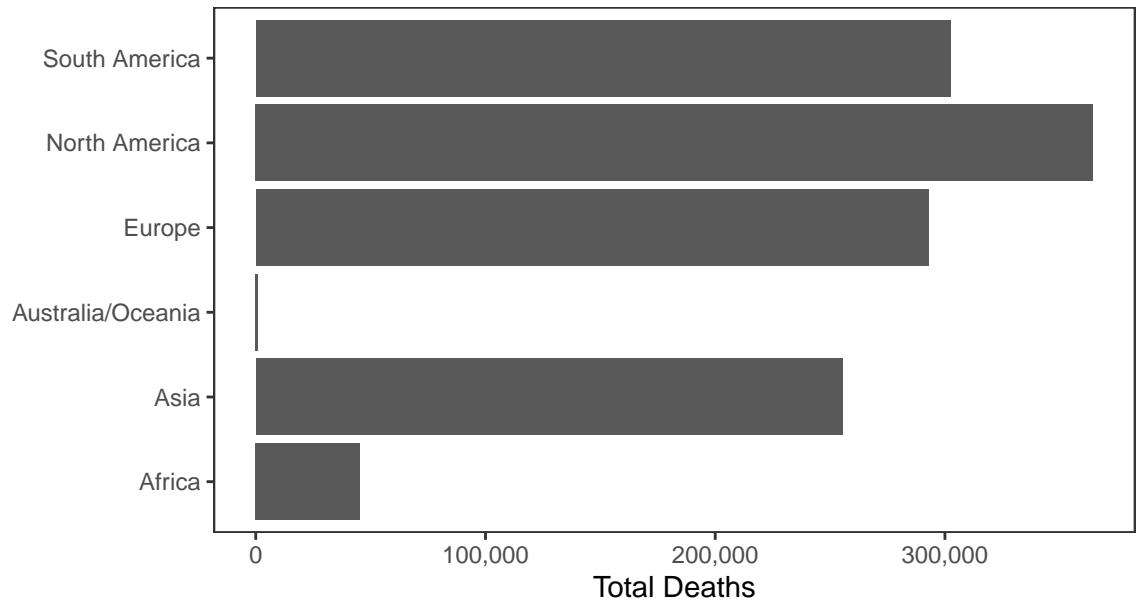
Erik's Covid-19 Chart Pack

Data updated 2020-11-09 11:55:31. 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 50,723,121 confirmed Covid-19 cases and 1,261,747 deaths worldwide.

Deaths



Cases

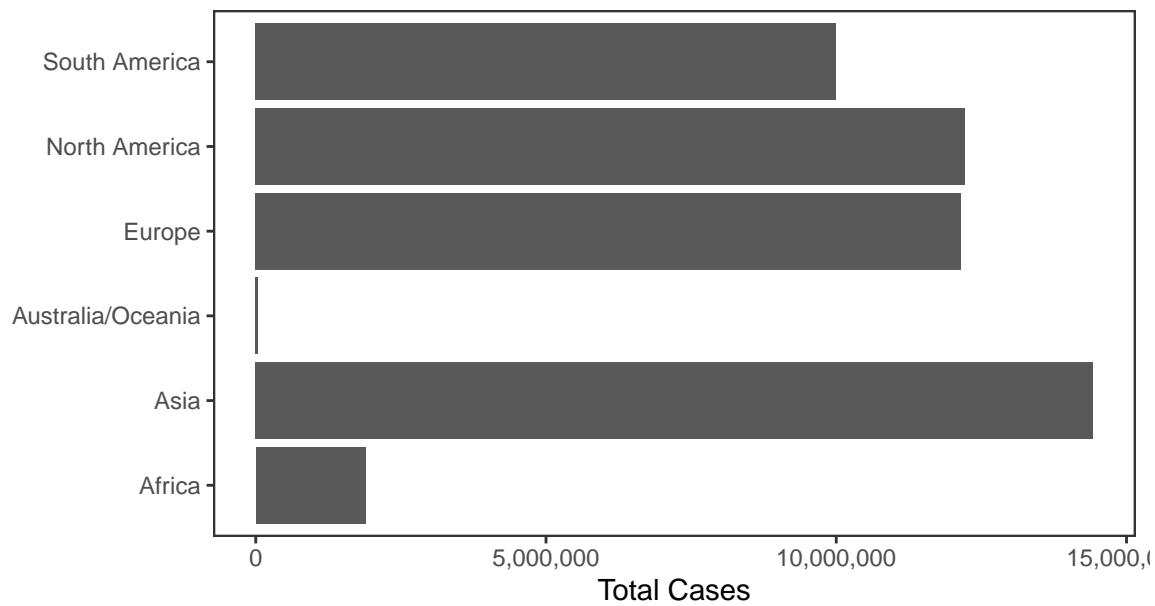
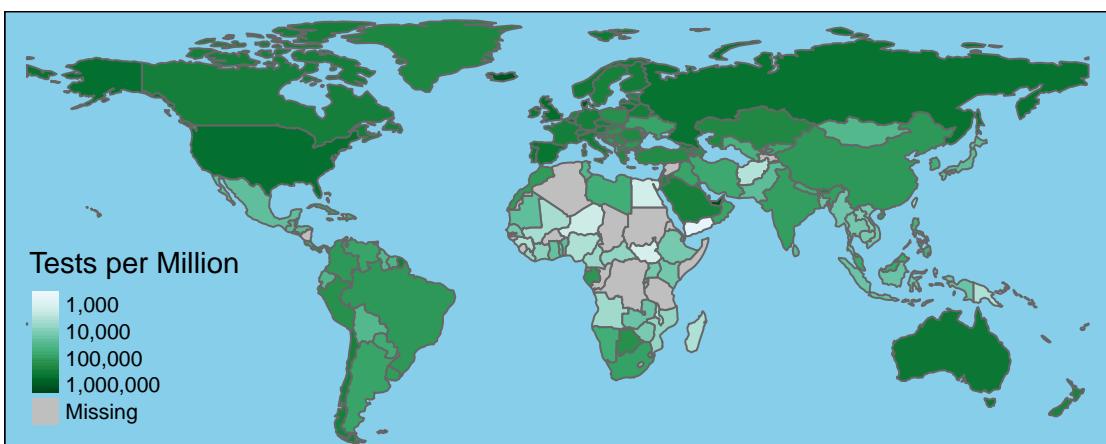
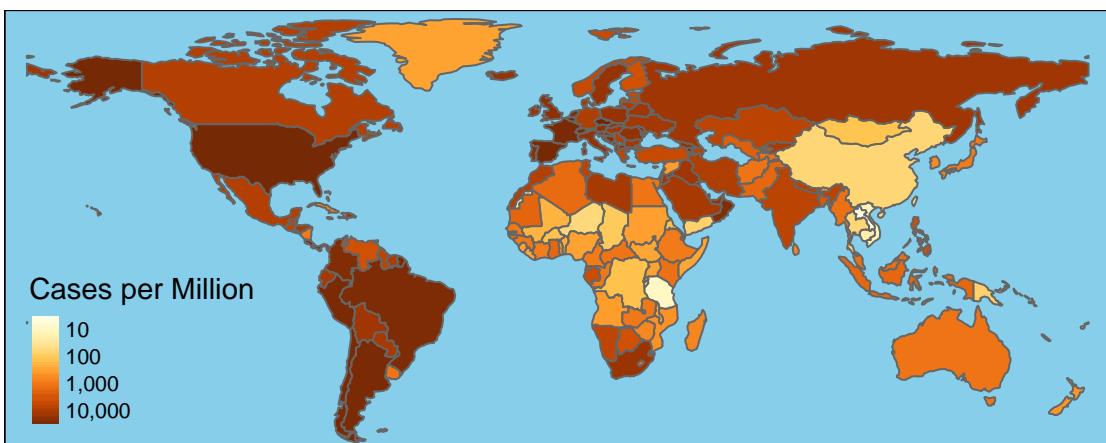
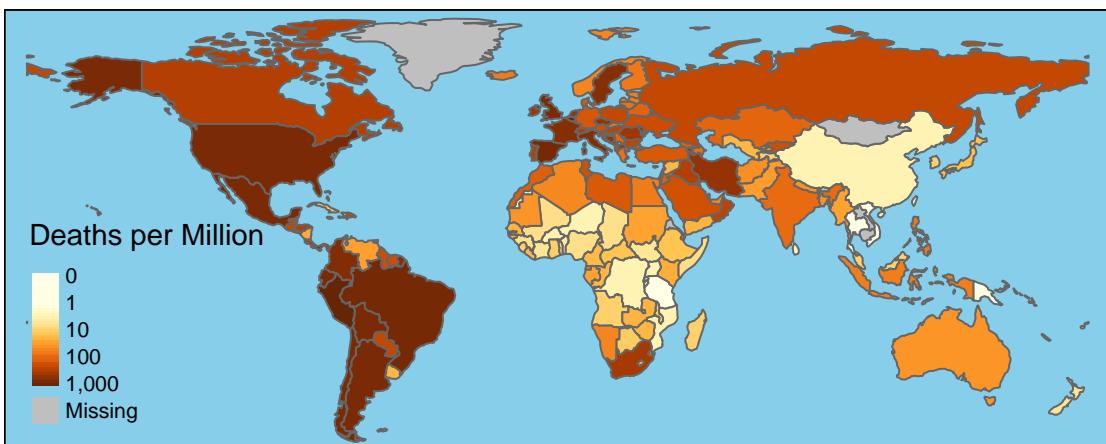


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	10,288,507	243,768	102,694	512
India	8,553,864	126,653	46,661	491
Brazil	5,664,115	162,397	10,554	111
France	1,787,324	40,439	38,619	270
Russia	1,774,334	30,537	20,498	286
Spain	1,388,411	38,833	0	0
Argentina	1,242,182	33,560	5,331	212
UK	1,192,013	49,044	20,572	156
Colombia	1,143,887	32,791	7,440	196
Mexico	961,938	94,808	6,810	485
Italy	935,102	41,394	32,614	331
Peru	922,333	34,879	2,323	39
South Africa	737,278	19,809	1,372	20
Iran	682,486	38,291	9,236	459
Germany	672,507	11,505	14,026	70
Poland	546,425	7,872	24,785	236
Chile	521,558	14,543	1,581	44
Iraq	498,549	11,327	2,530	44
Belgium	494,168	12,907	6,124	199
Ukraine	460,331	8,450	9,397	138



National Data

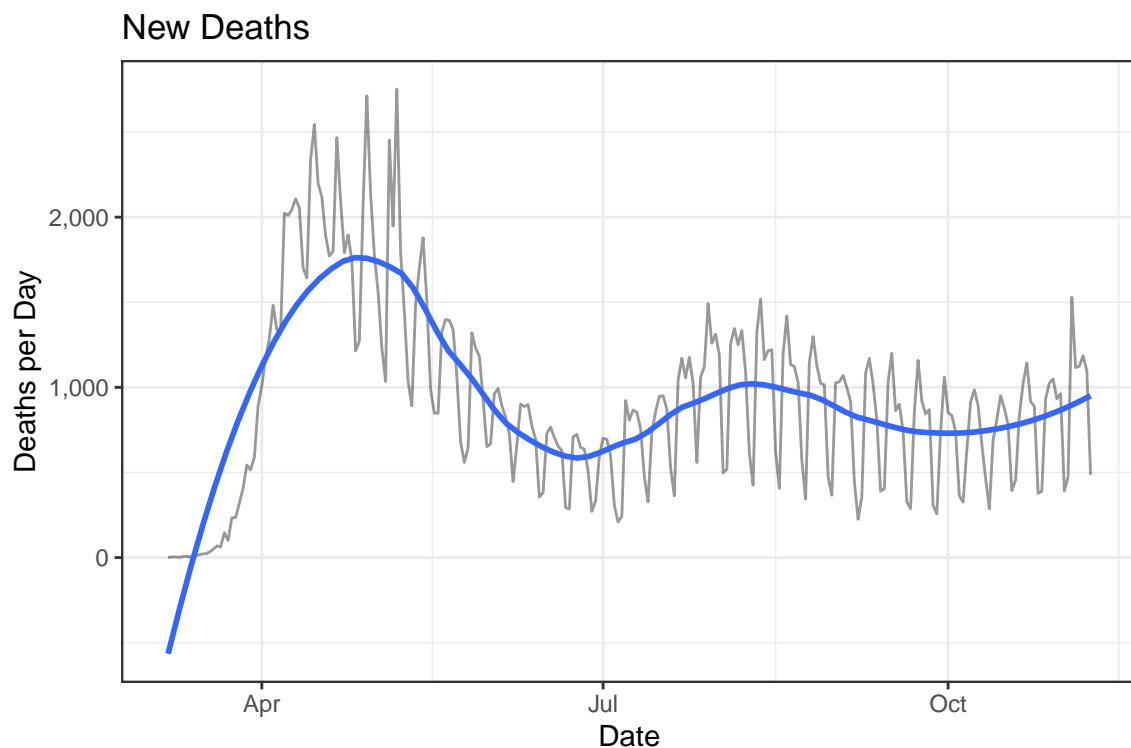
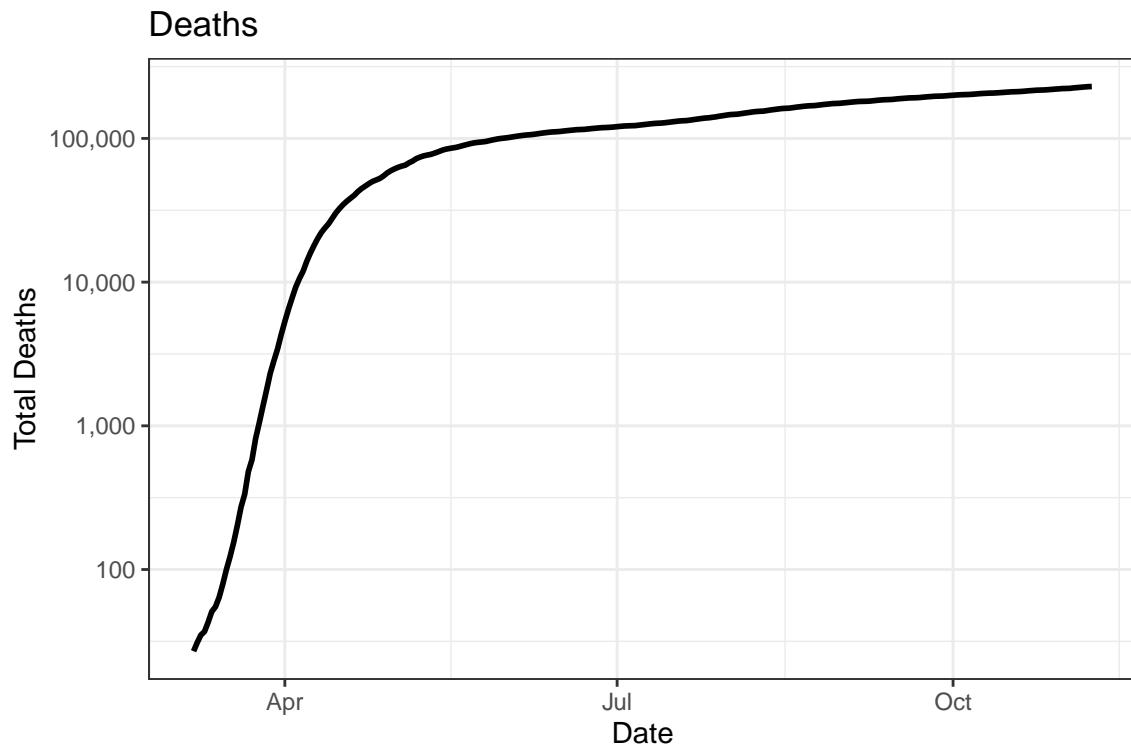
There have been 9,871,751 confirmed Covid-19 cases and 229,724 deaths in the United States.

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

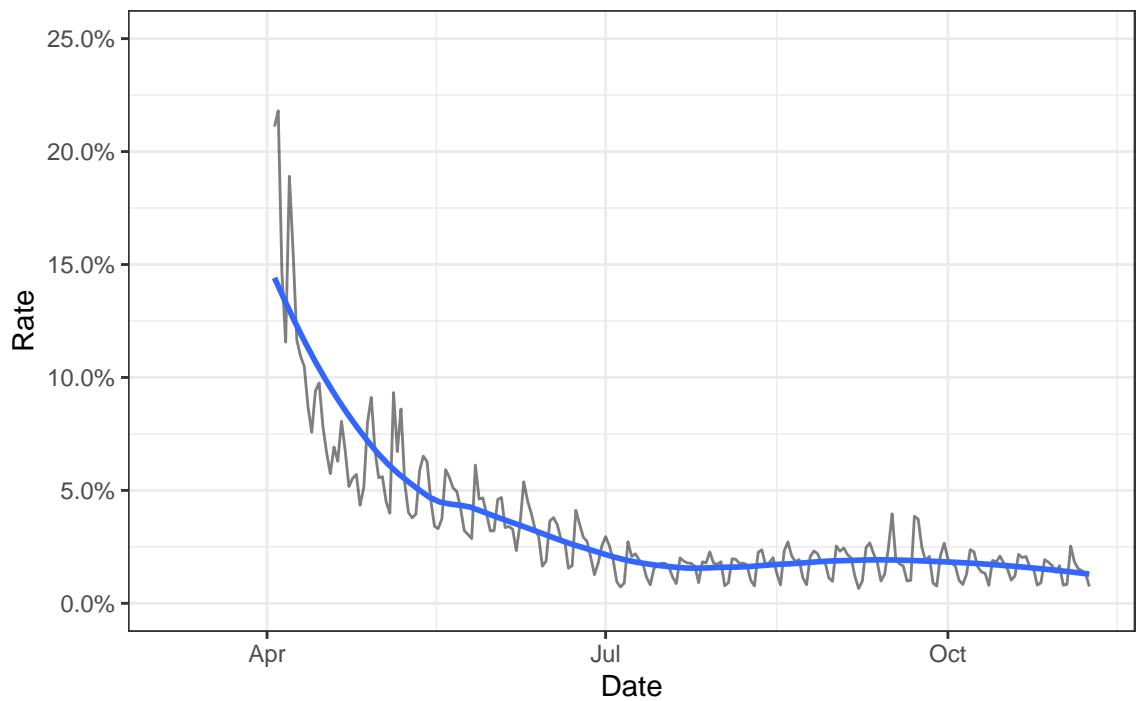
Date	Cases	Deaths	New Cases	New Deaths
2020-11-08	9,871,751	229,724	110,270	486
2020-11-07	9,761,481	229,238	128,396	1,097
2020-11-06	9,633,085	228,141	125,252	1,186
2020-11-05	9,507,833	226,955	116,153	1,124
2020-11-04	9,391,680	225,831	103,067	1,116
2020-11-03	9,288,613	224,715	86,081	1,529
2020-11-02	9,202,532	223,186	82,248	476
2020-11-01	9,120,284	222,710	74,051	391
2020-10-31	9,046,233	222,319	90,492	963
2020-10-30	8,955,741	221,356	96,709	933
2020-10-29	8,859,032	220,423	87,993	1,049
2020-10-28	8,771,039	219,374	78,637	1,025
2020-10-27	8,692,402	218,349	72,997	931
2020-10-26	8,619,405	217,418	62,103	389

Deaths

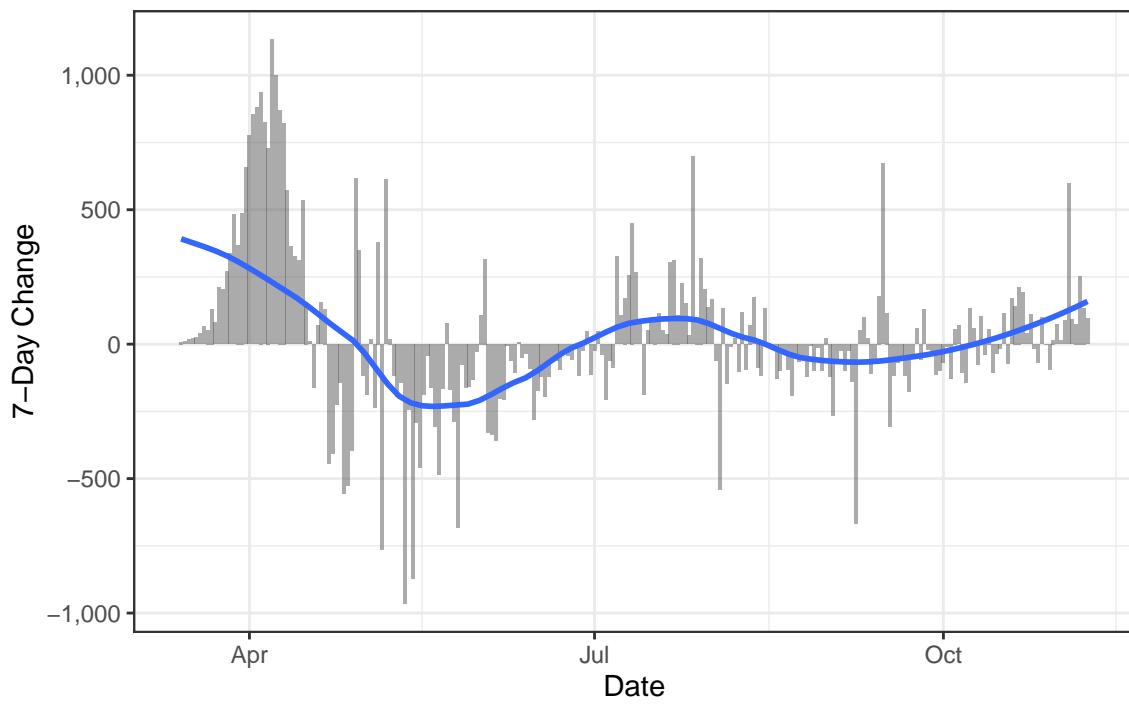
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

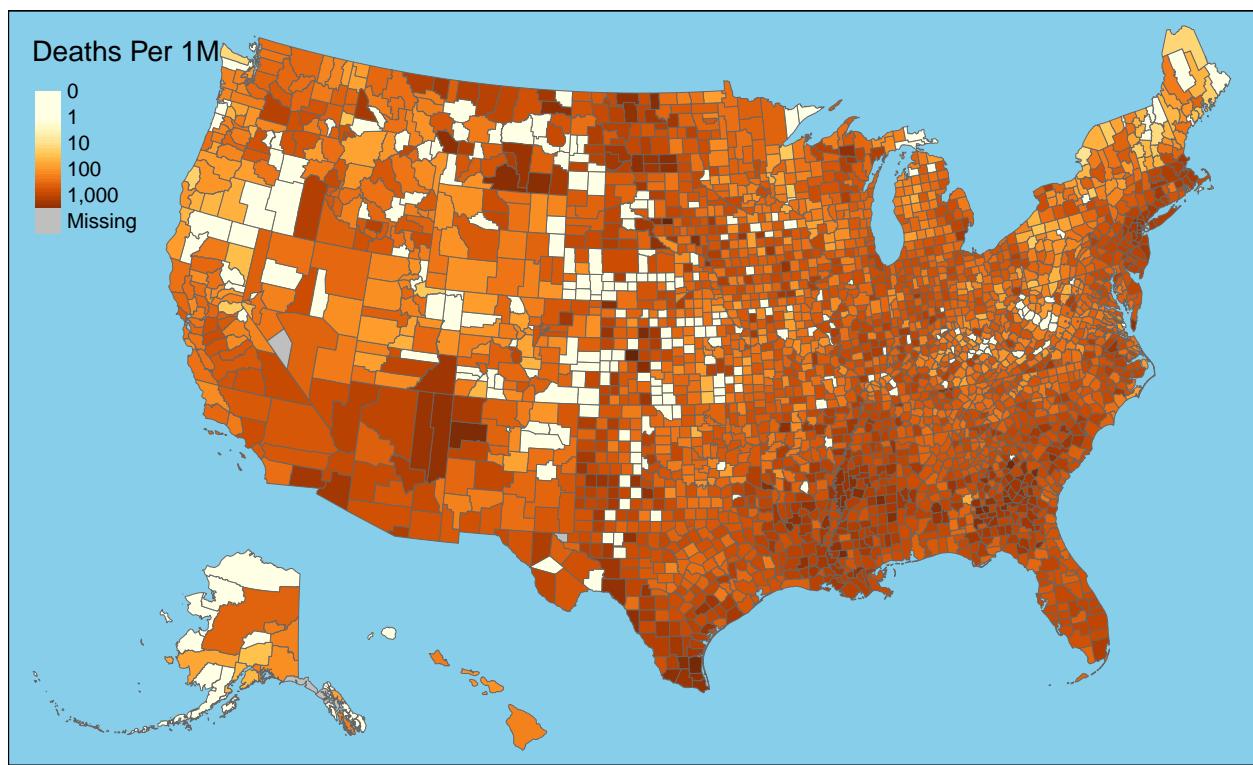


Daily Case Mortailty Rate



One-Week Change in Daily Deaths

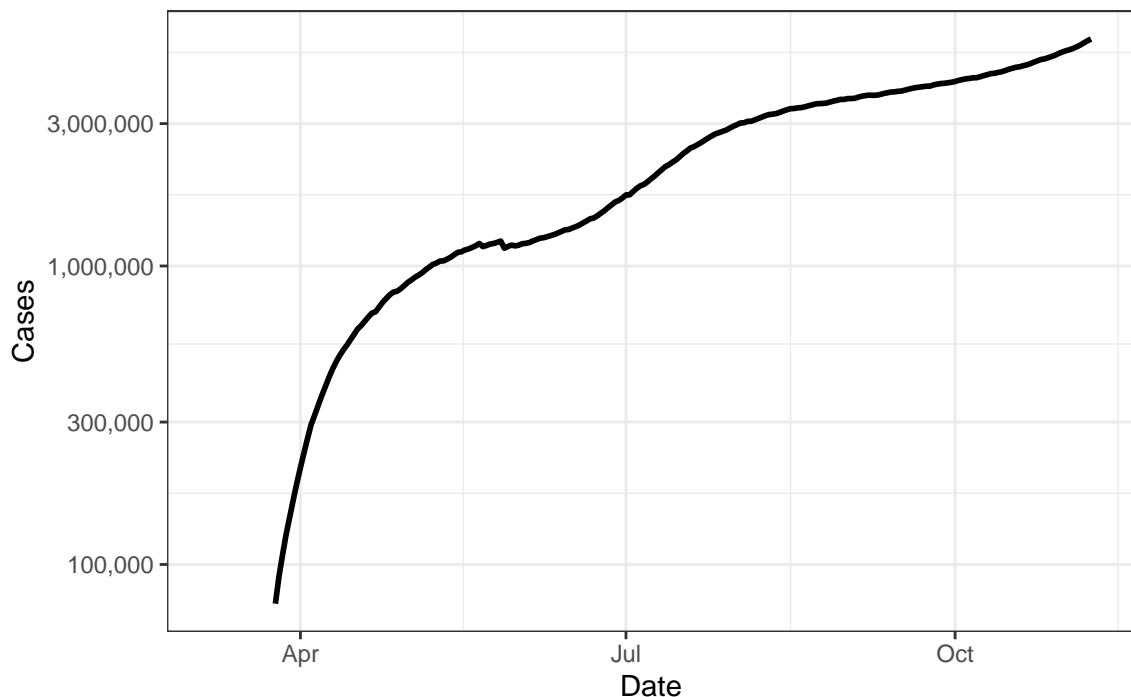




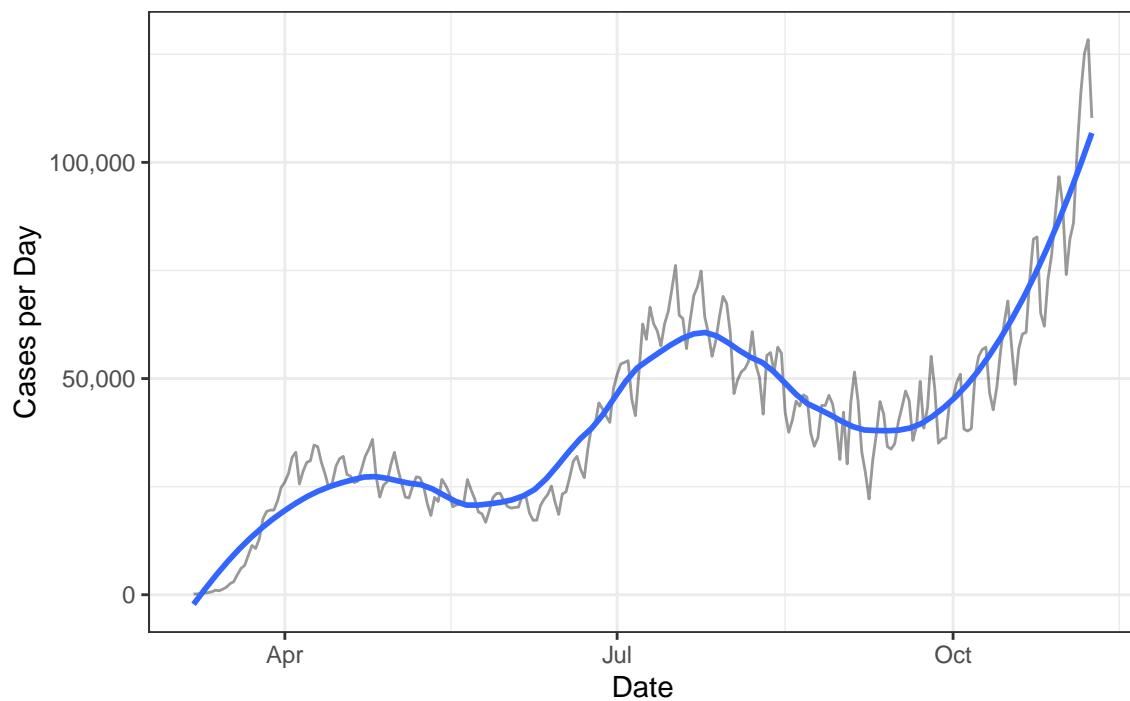
Cases

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

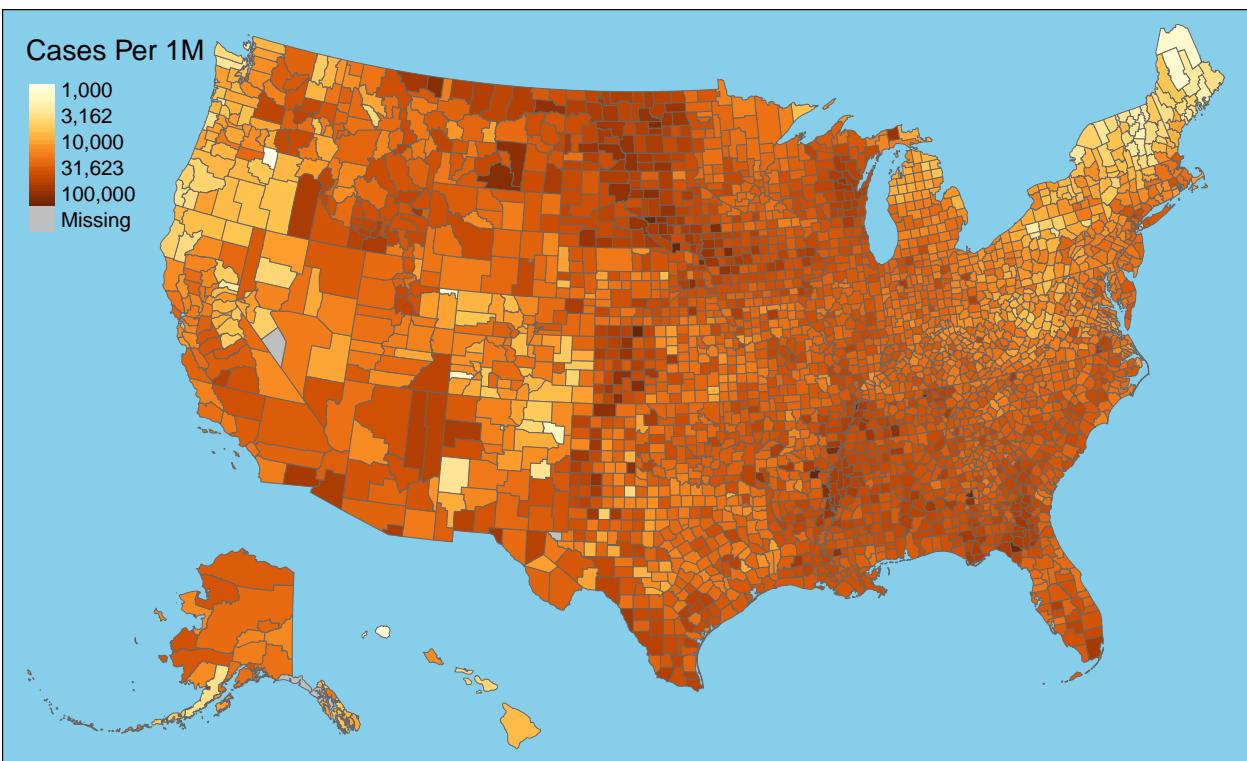
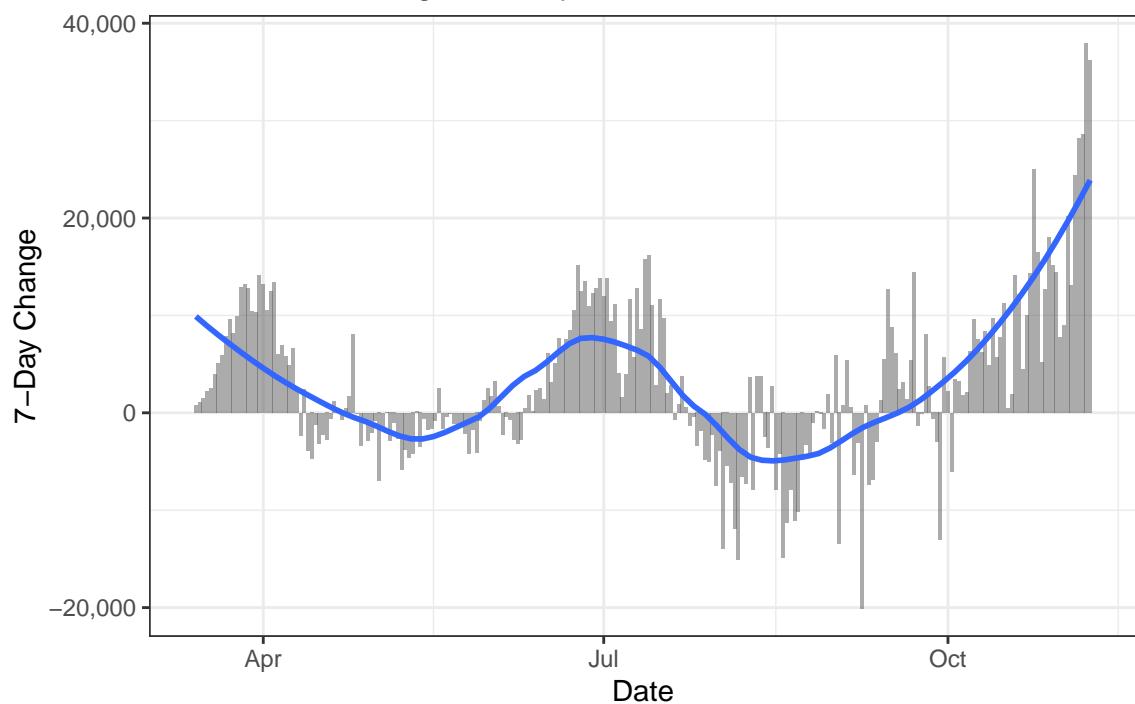
Active Cases



New Cases

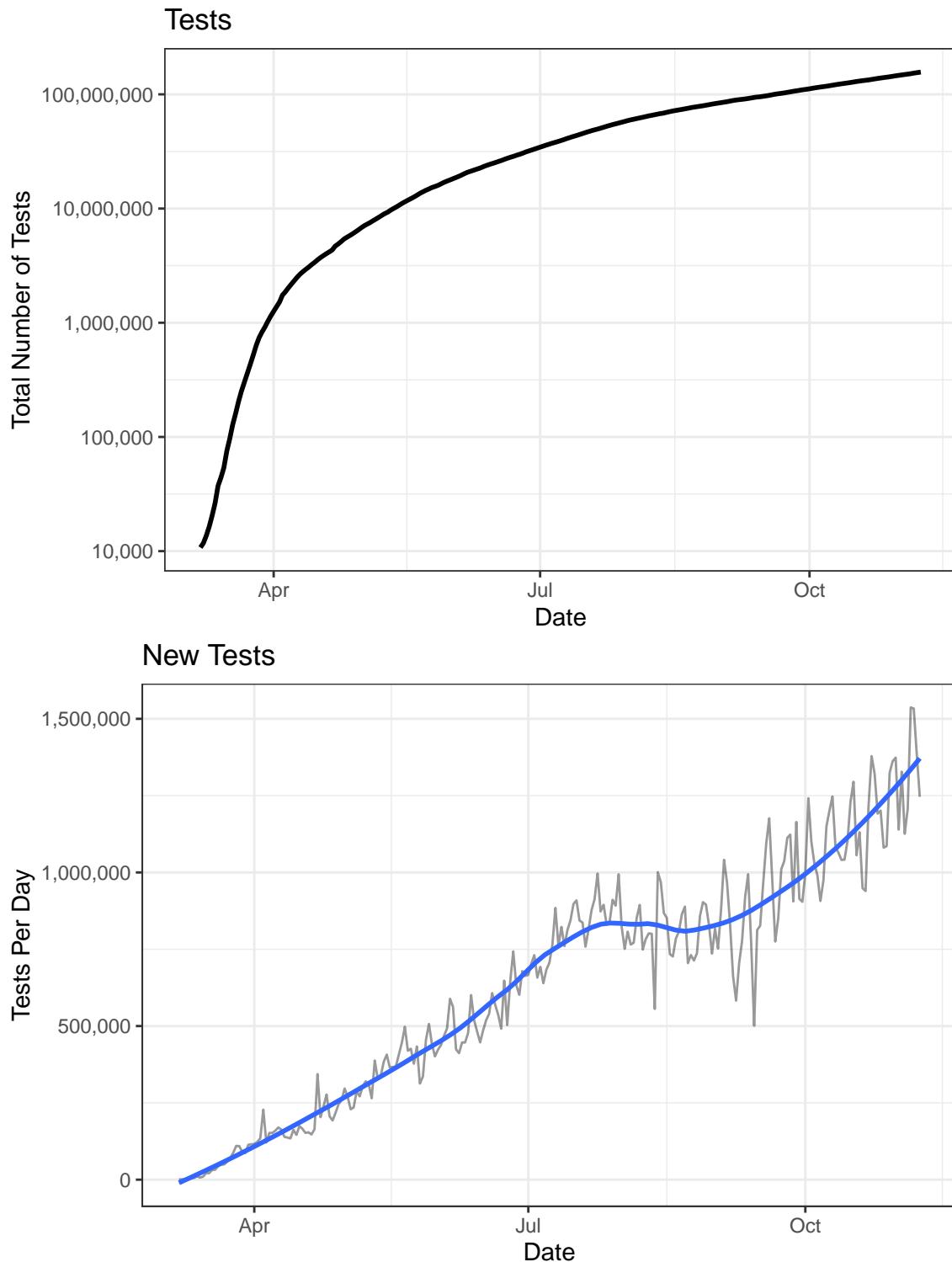


One-Week Change in Daily Cases

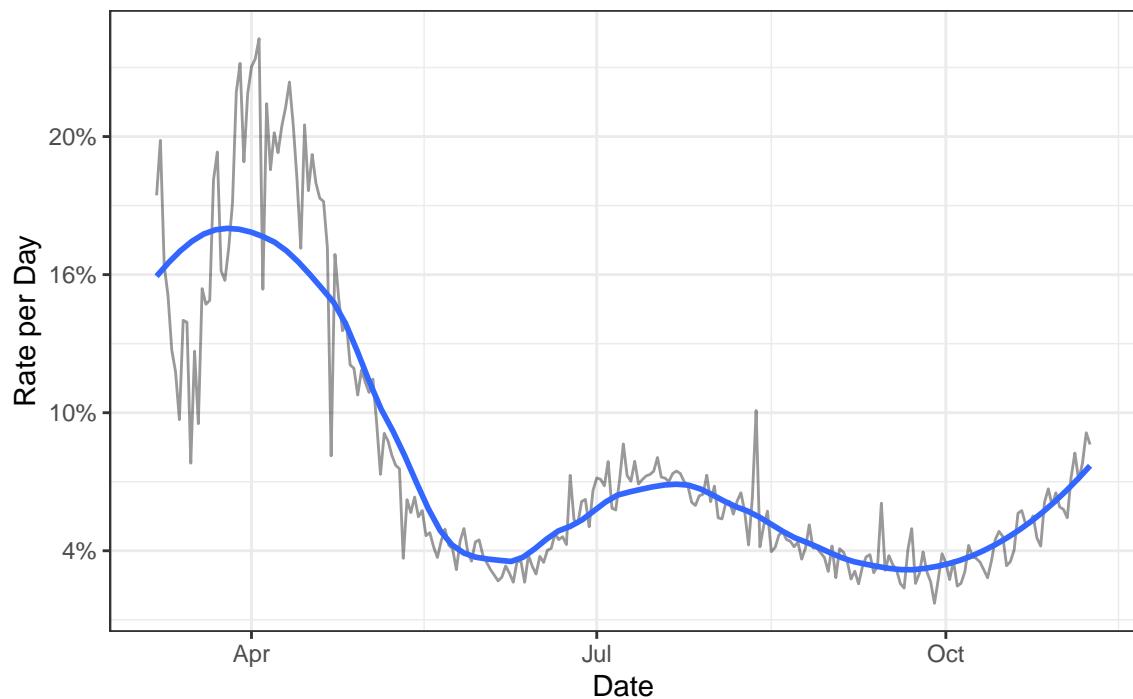


Testing

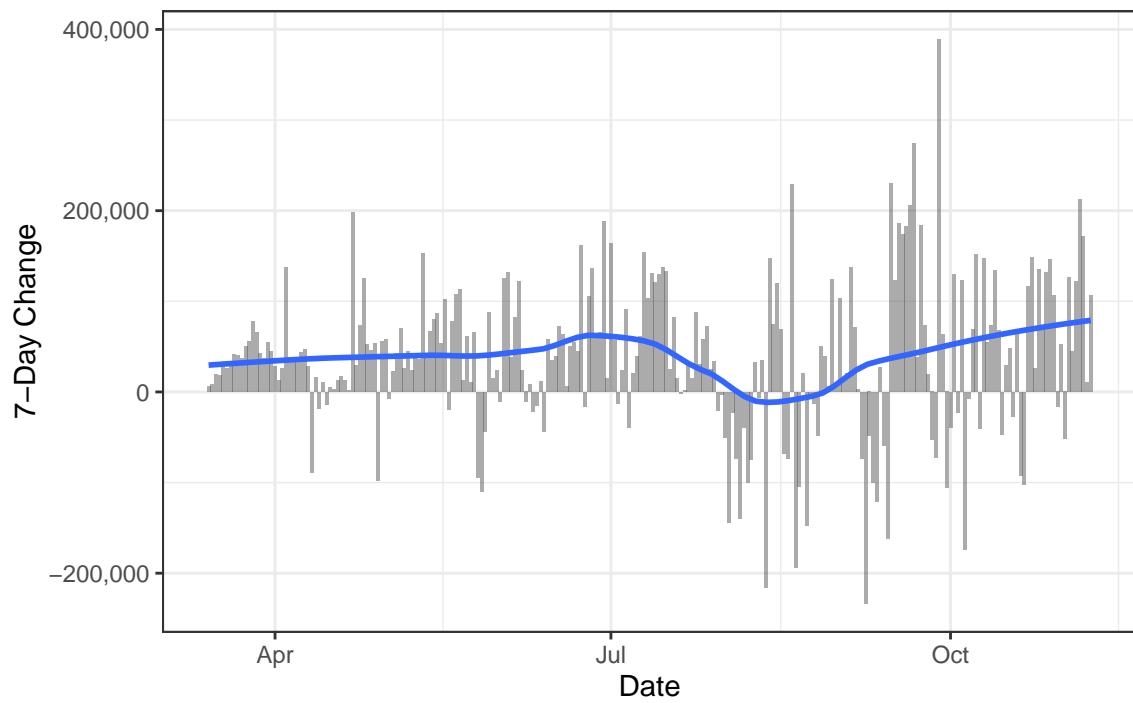
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

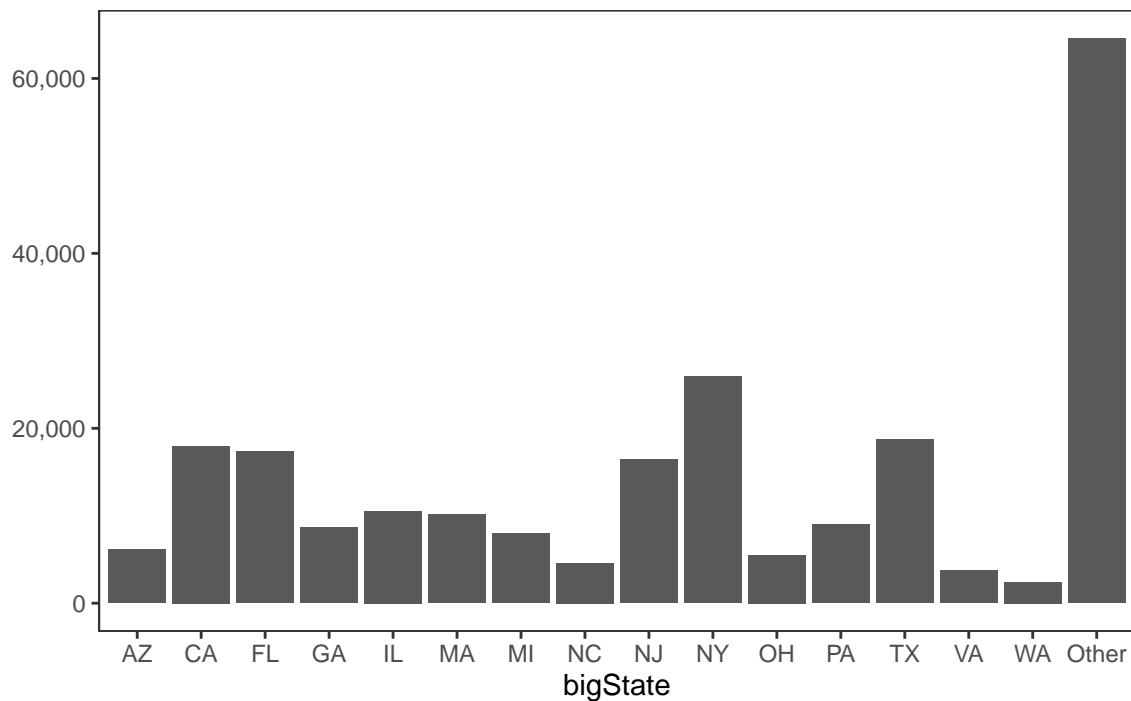


State Data

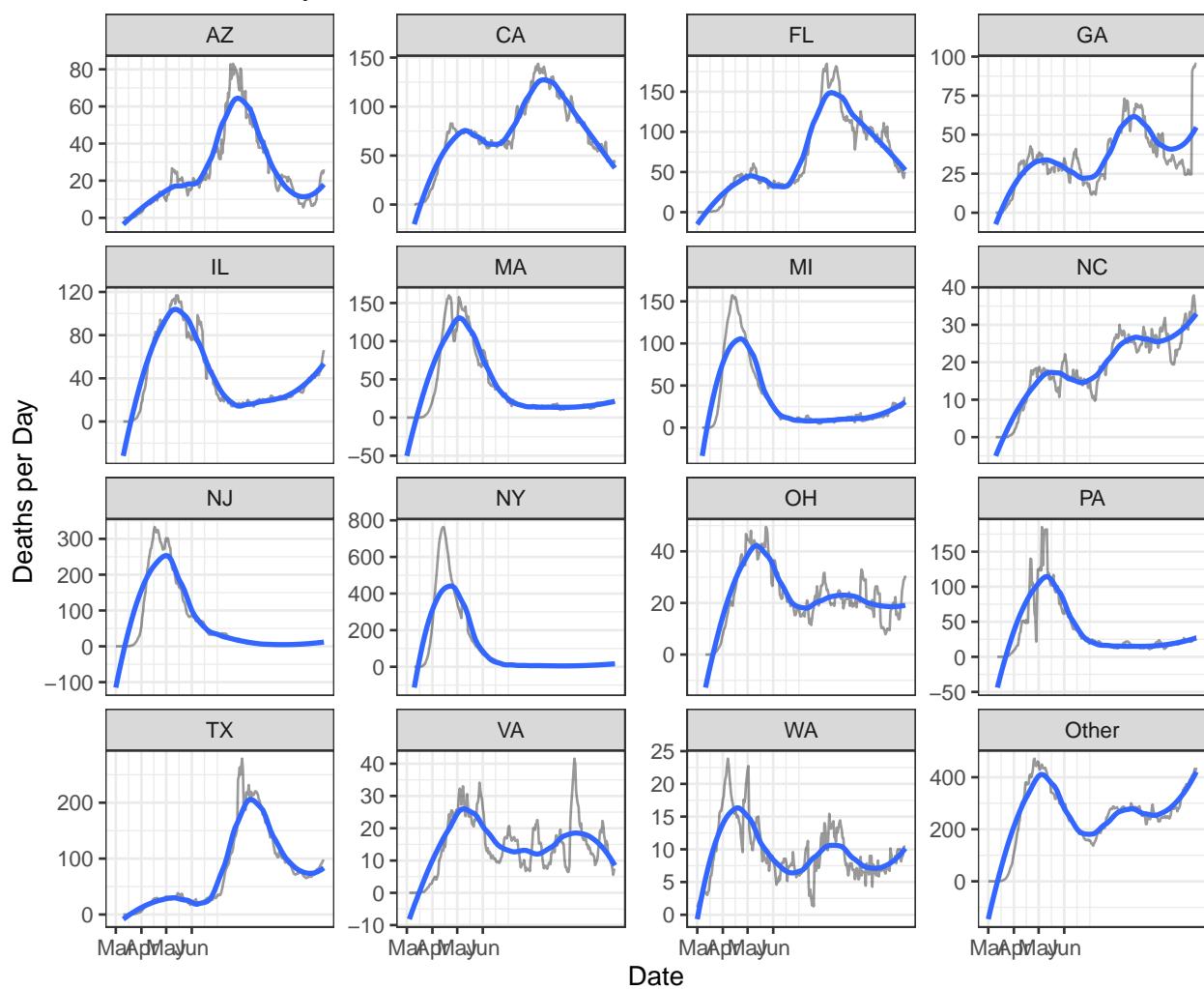
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

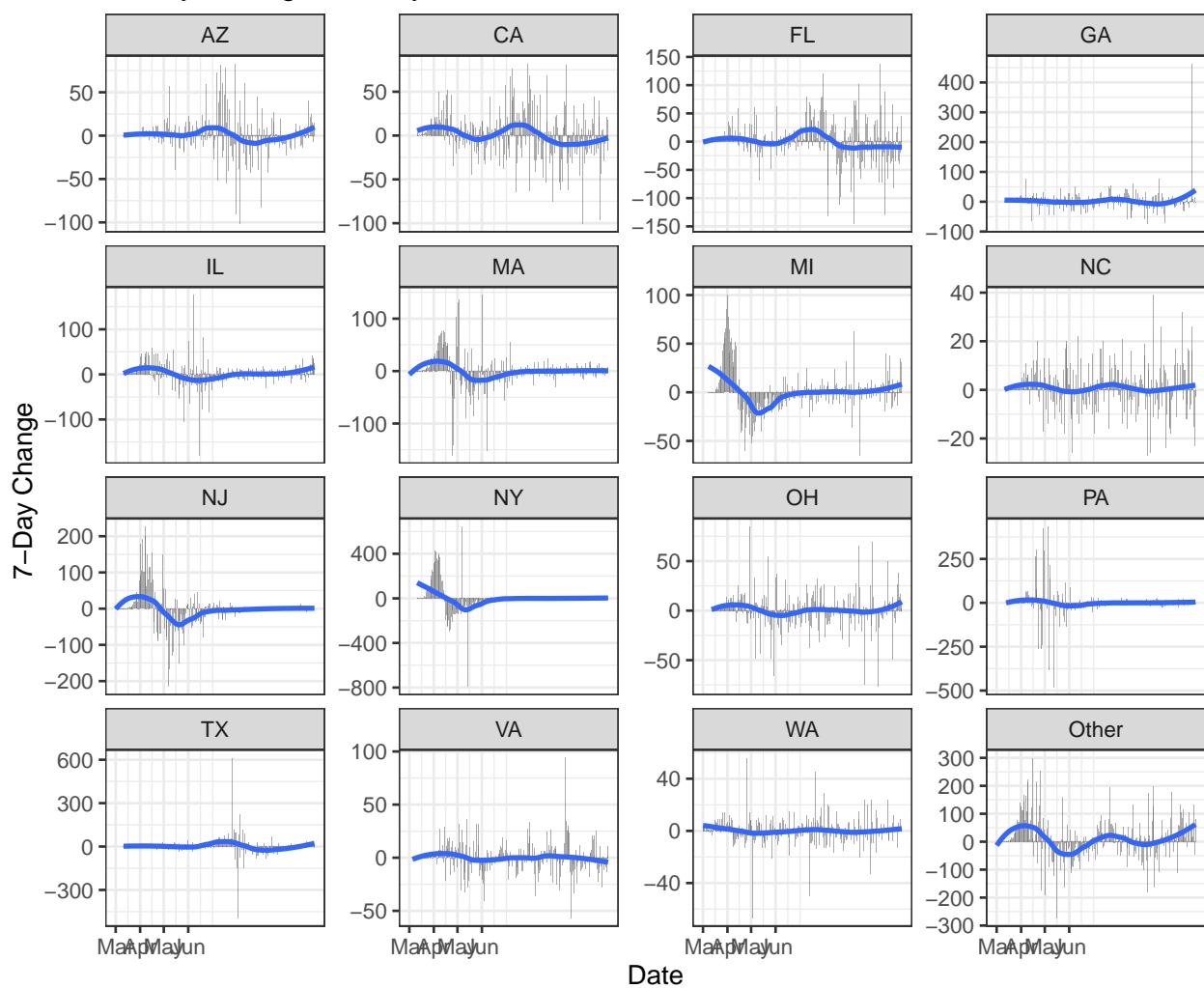
Deaths by State

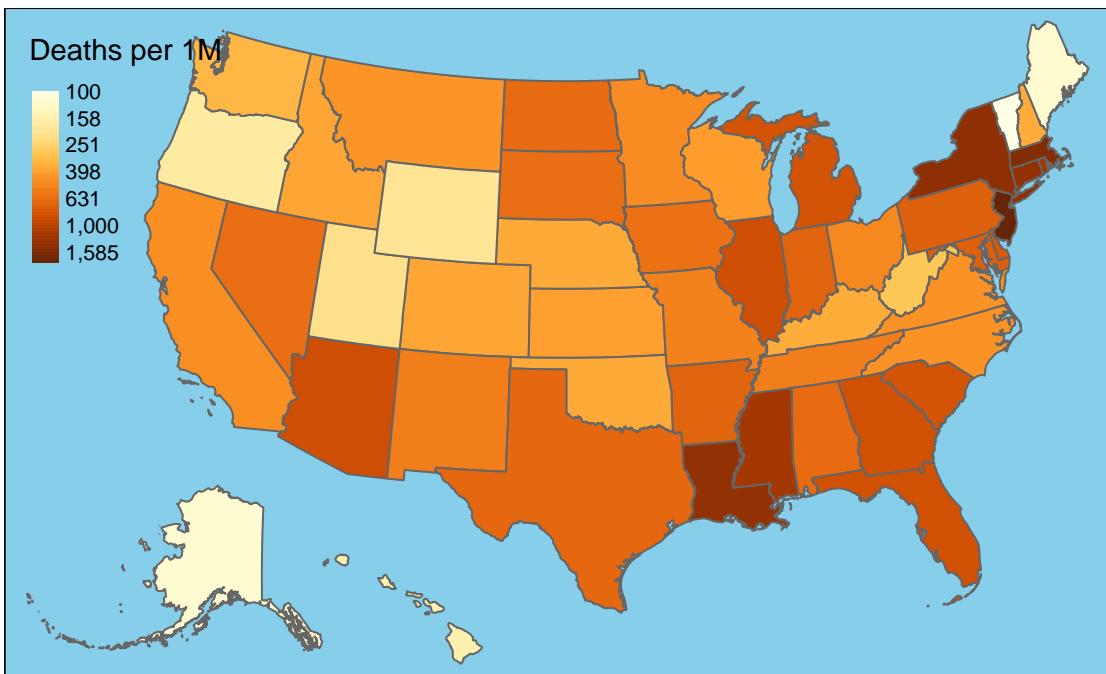
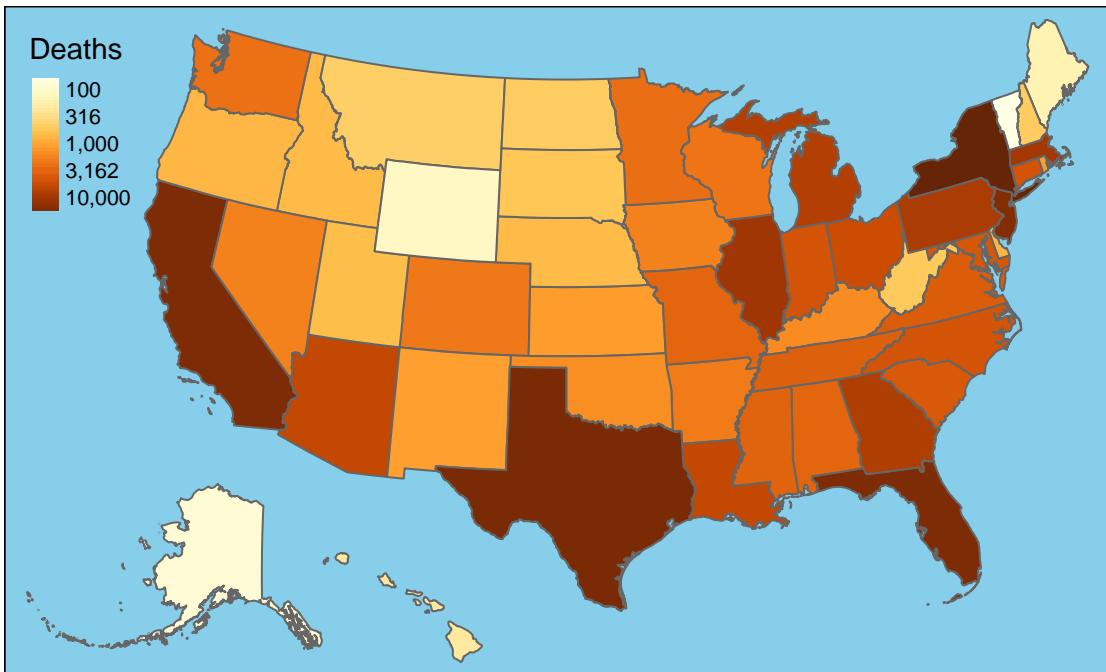


New Deaths by State



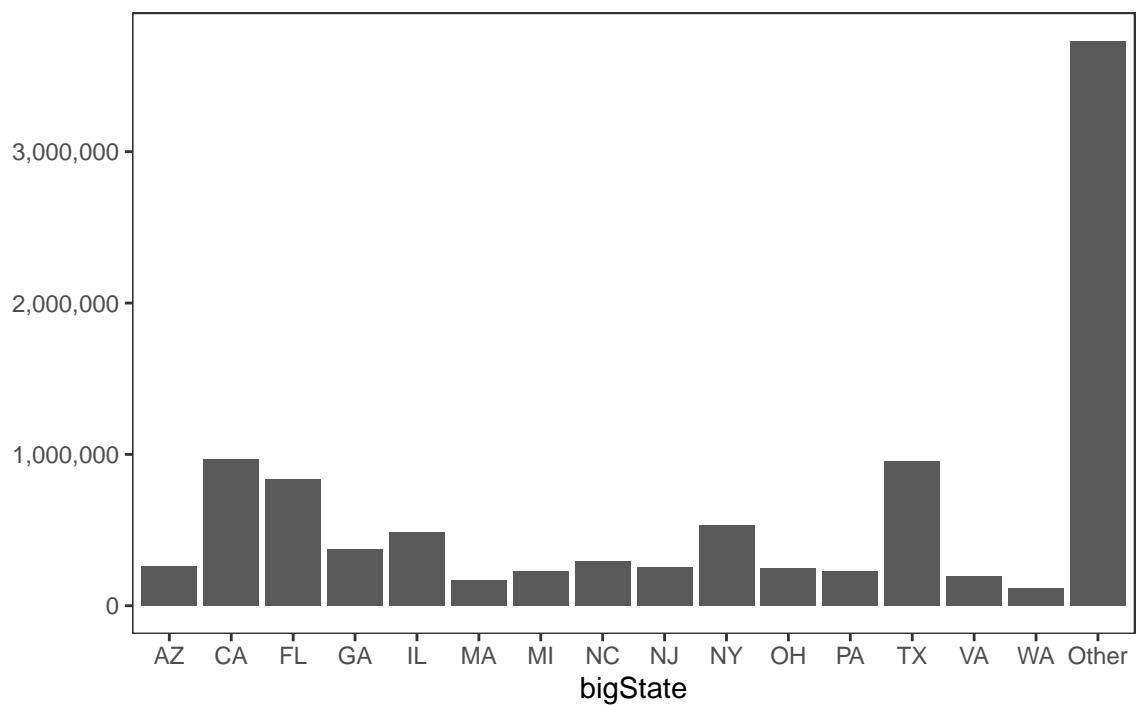
7-Day Change in Daily Deaths



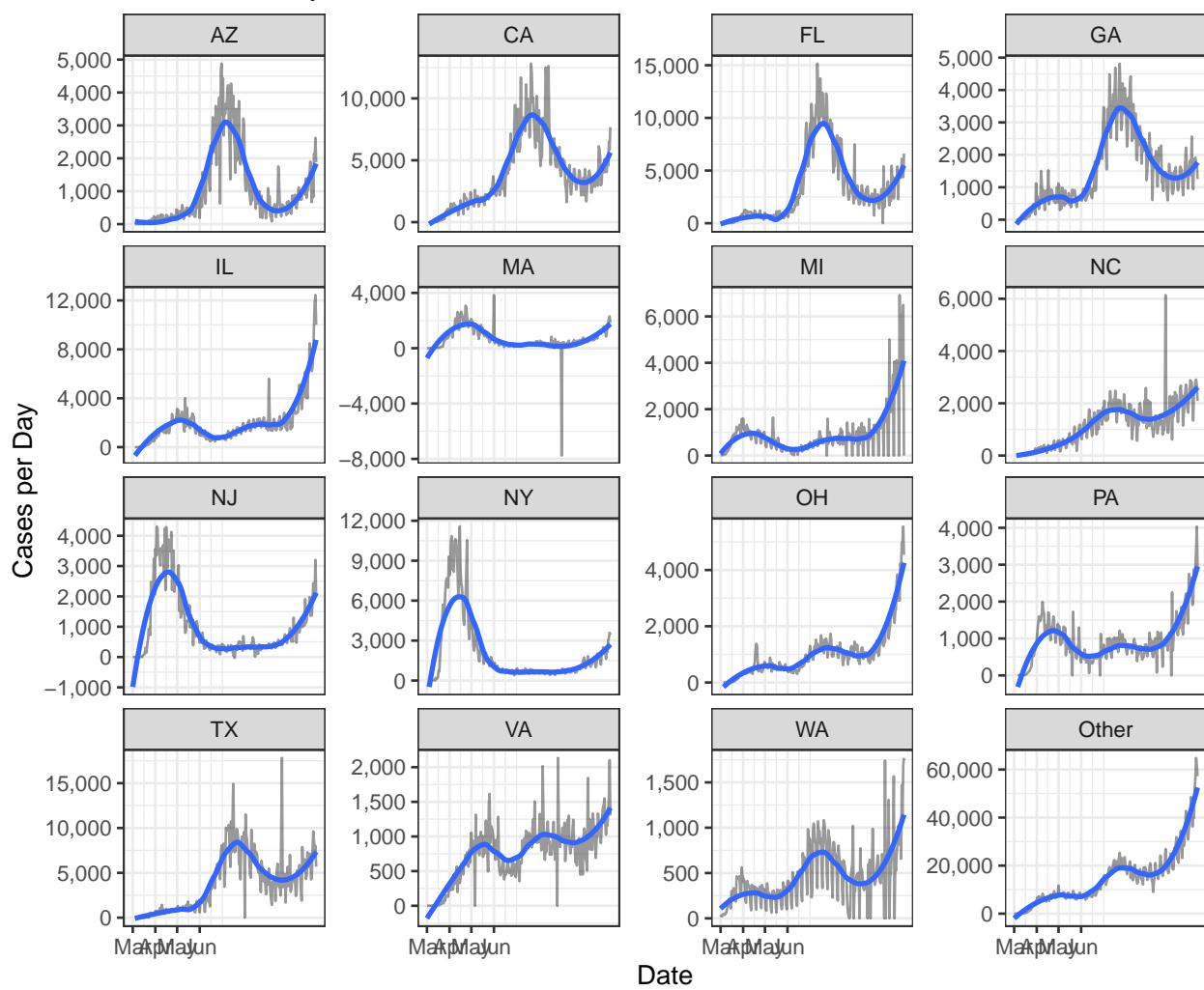


Cases

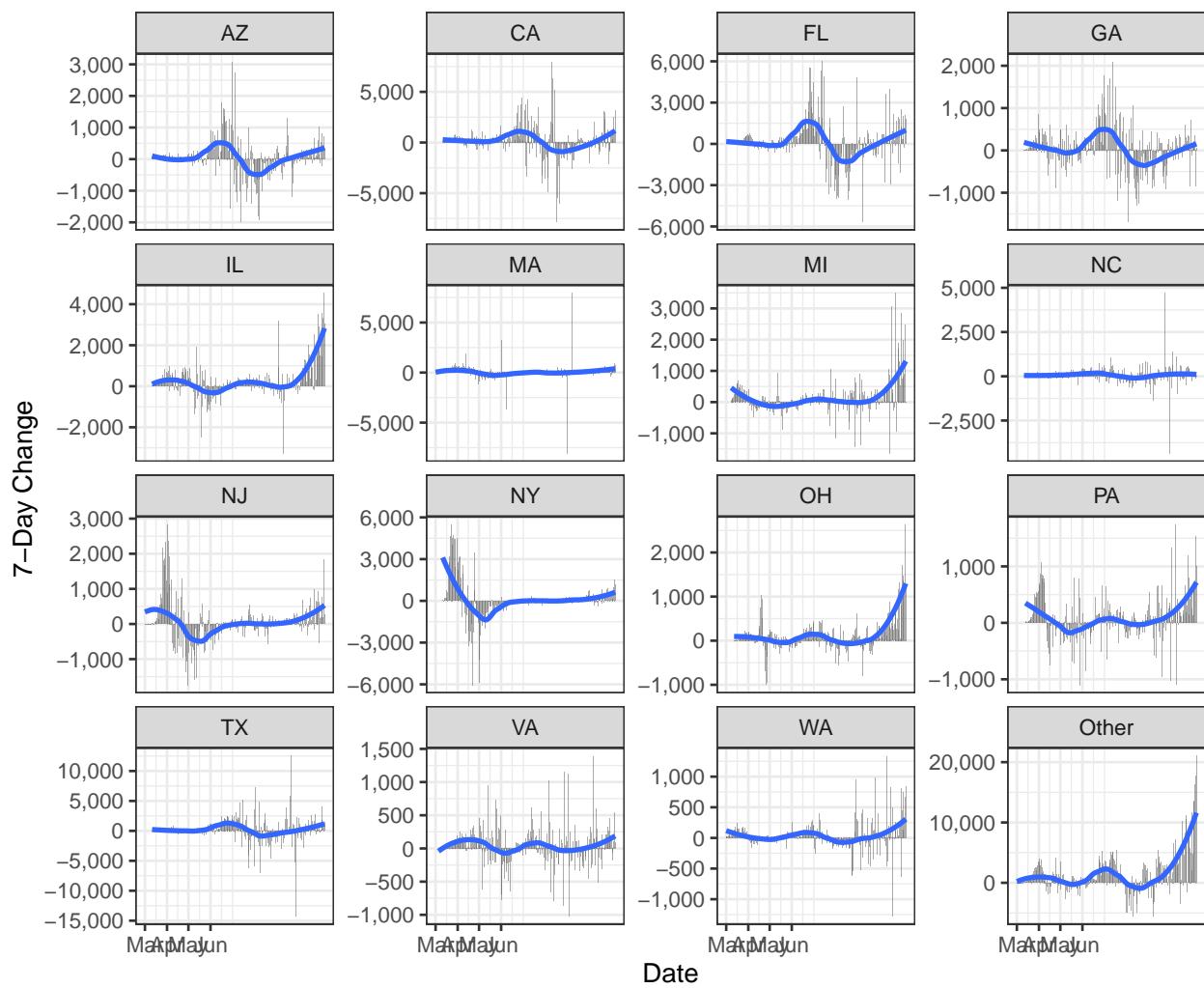
Cases by State

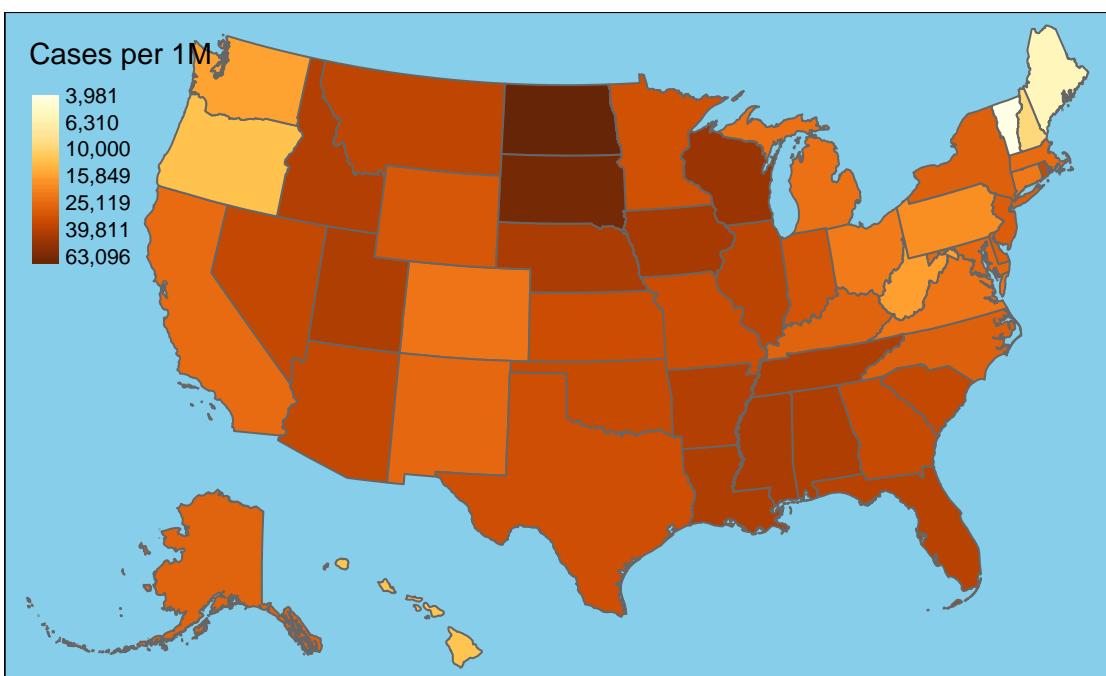
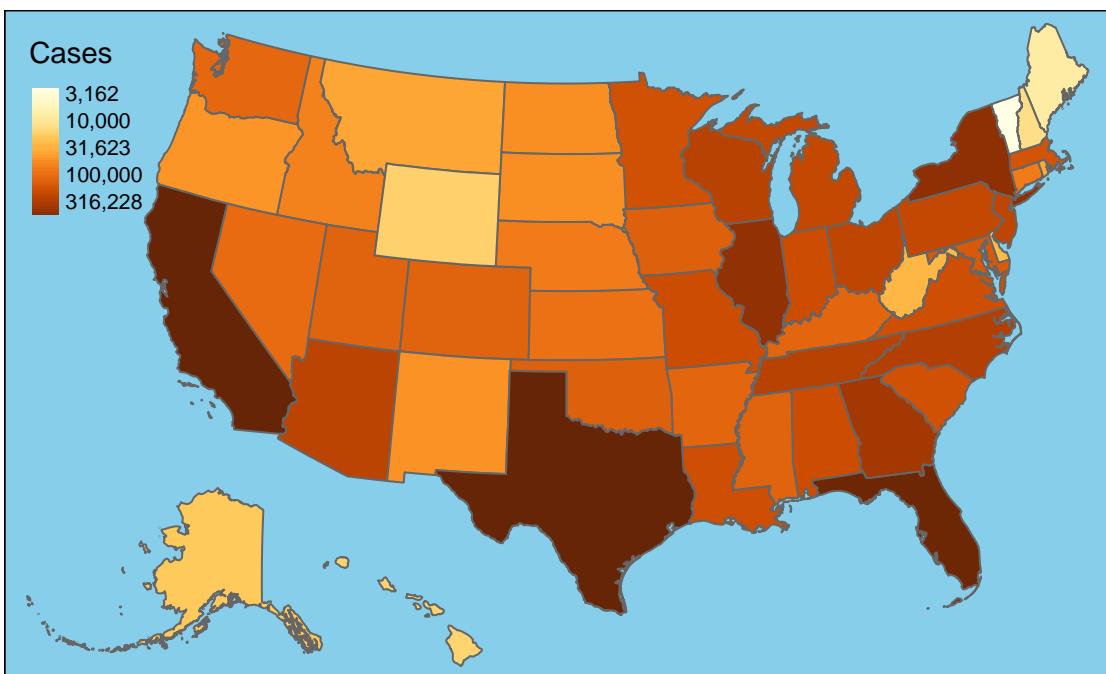


New Cases by State



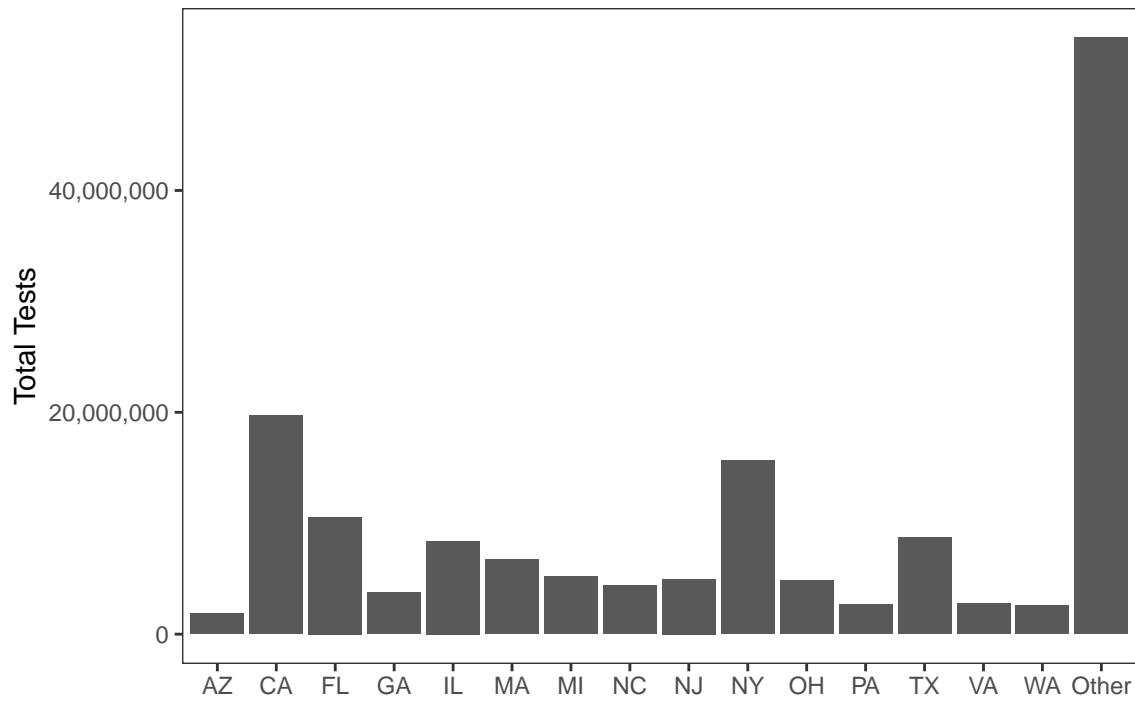
7-Day Change in Daily Cases



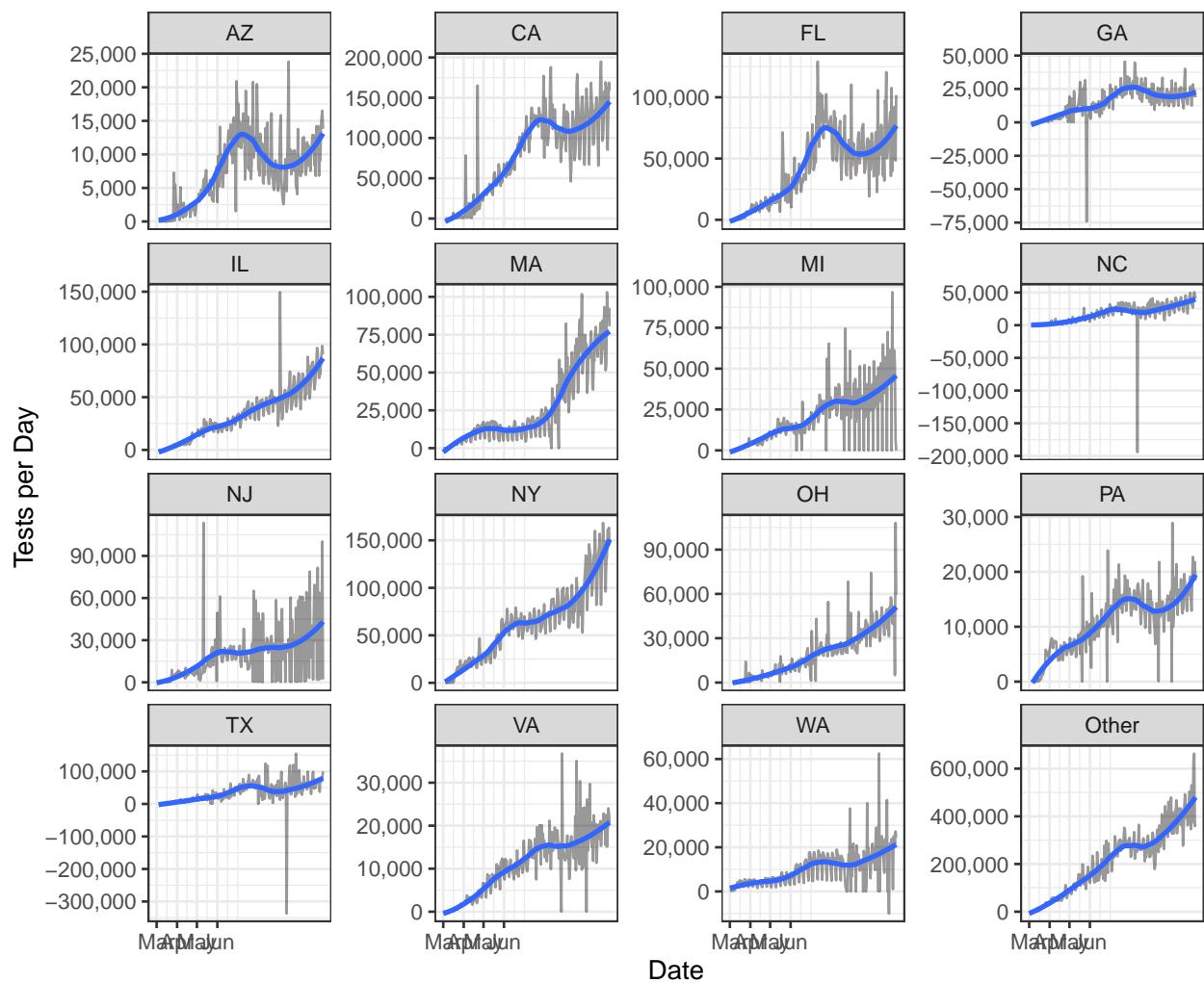


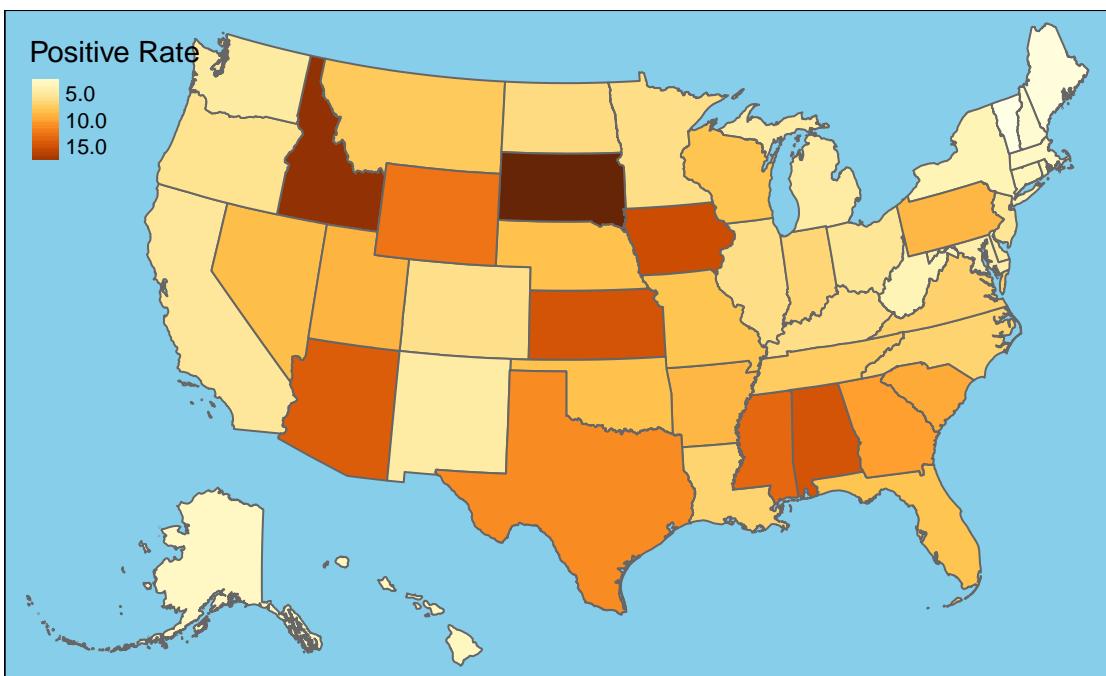
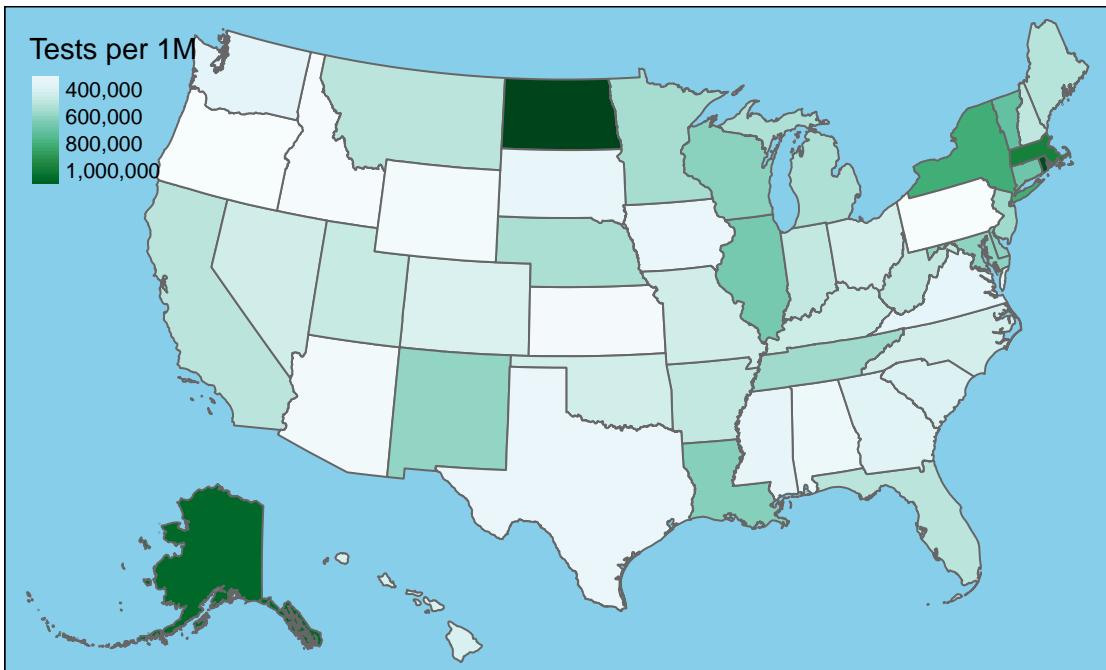
Testing

Tests by State

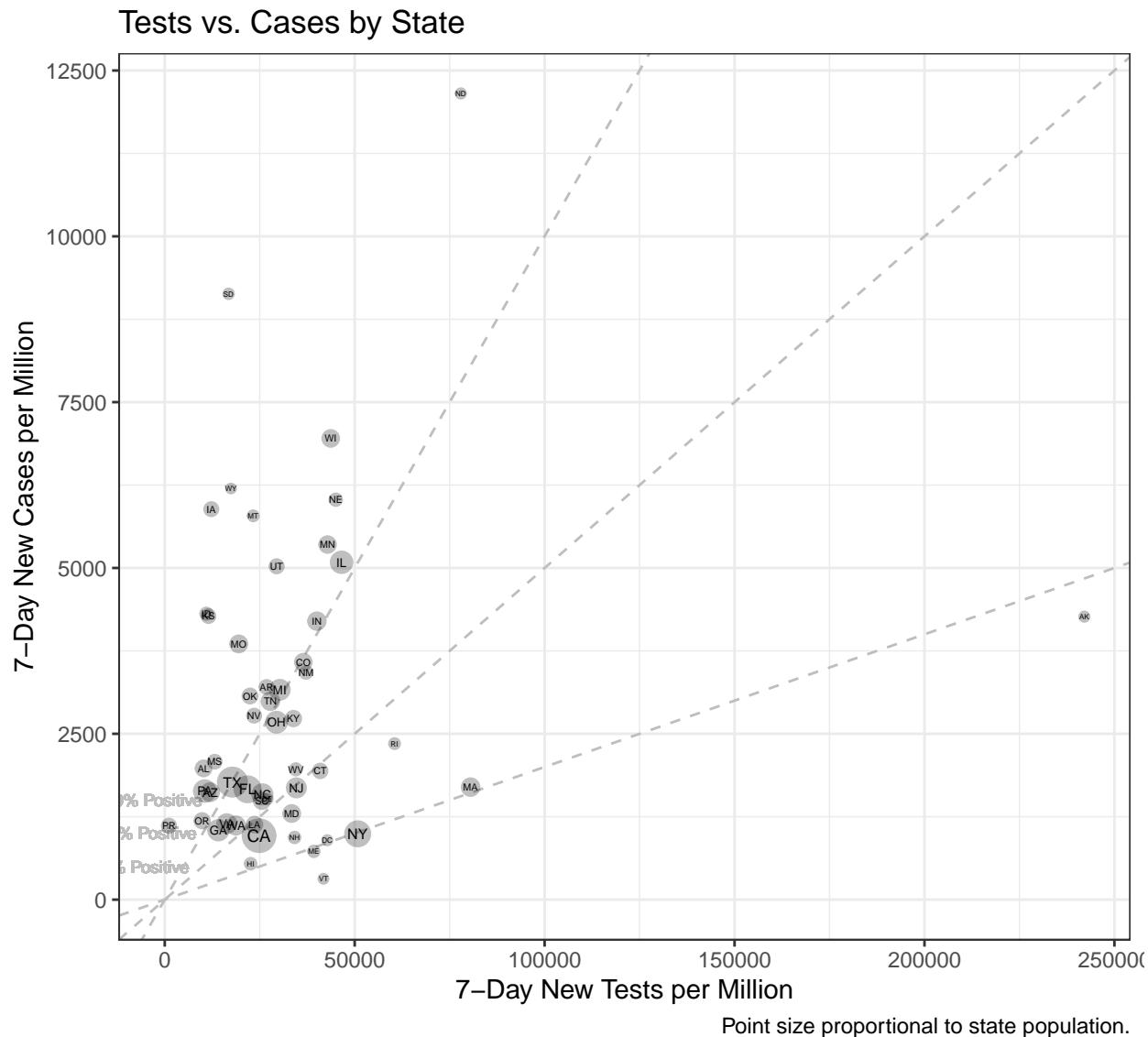


New Tests by State





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.



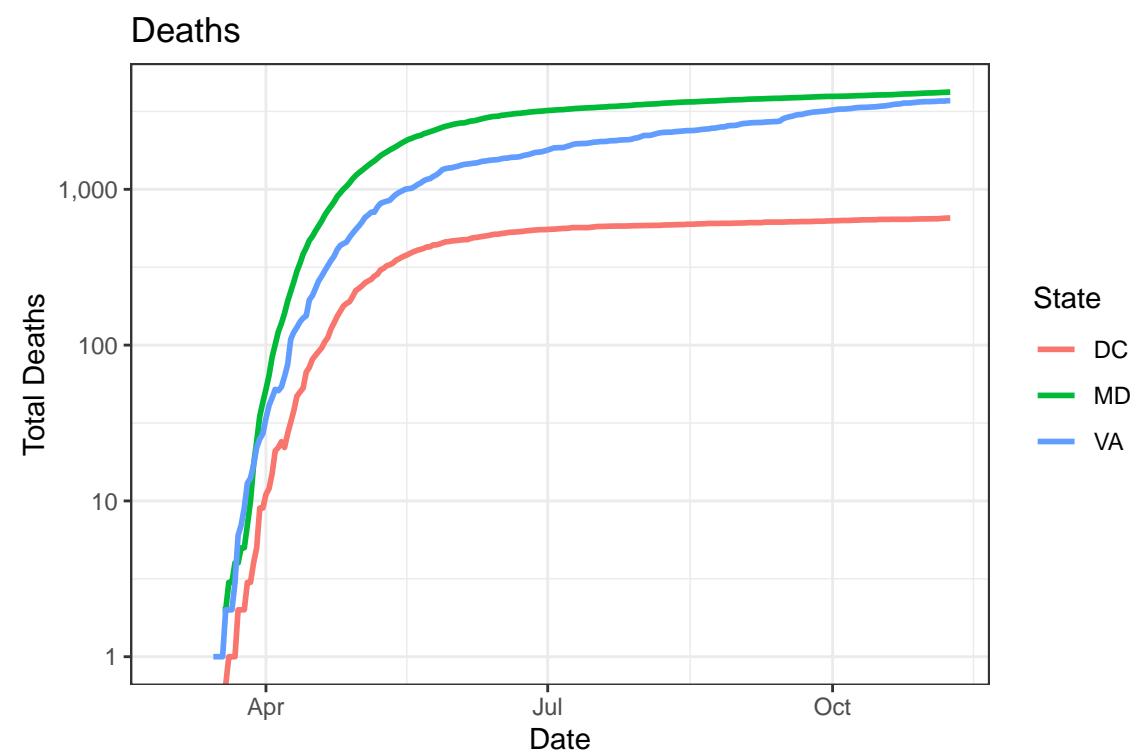
Local Data

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

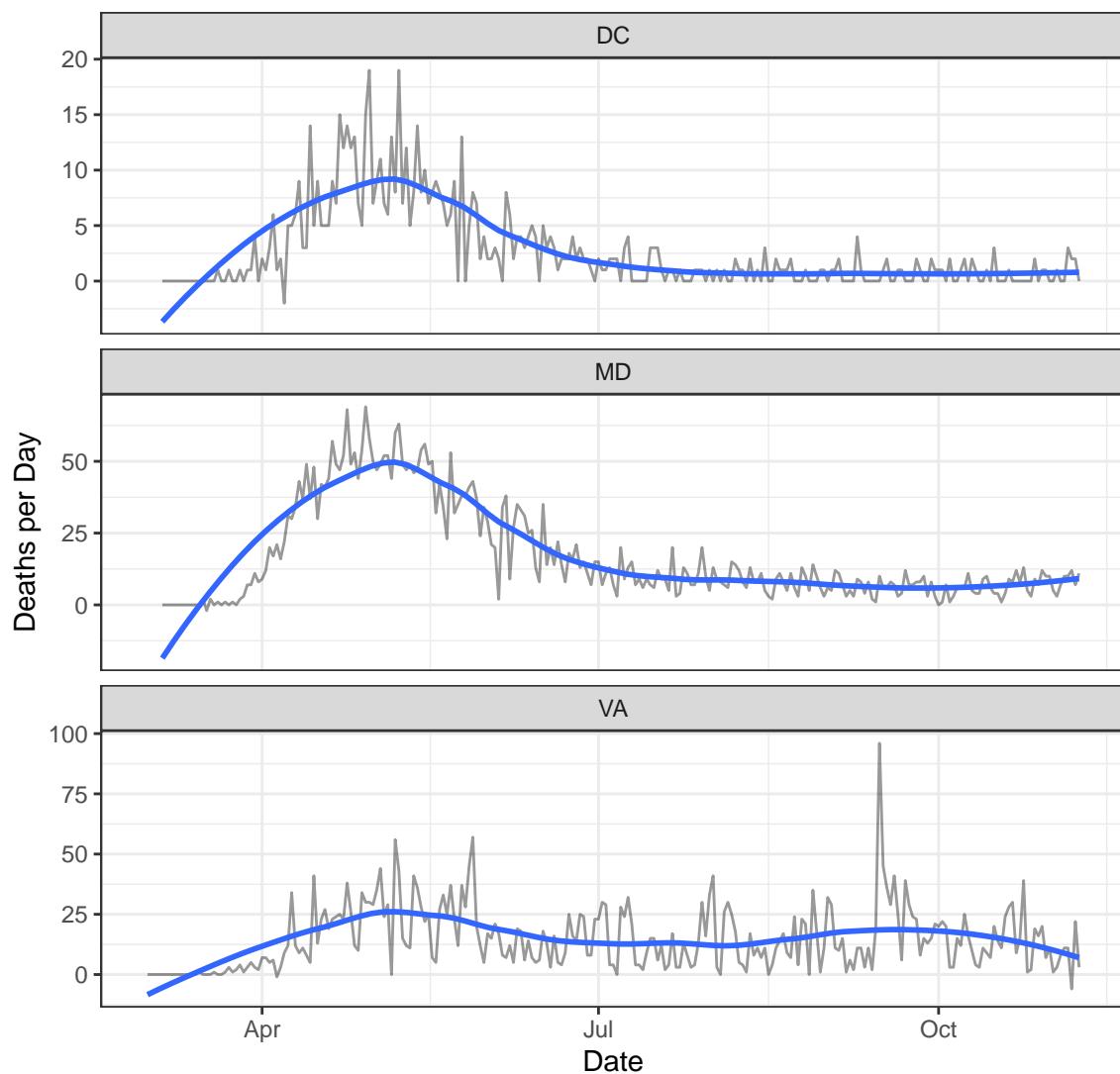
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	18,001	654	110	0
MD	153,996	4,212	1,081	11
VA	192,175	3,707	1,302	3

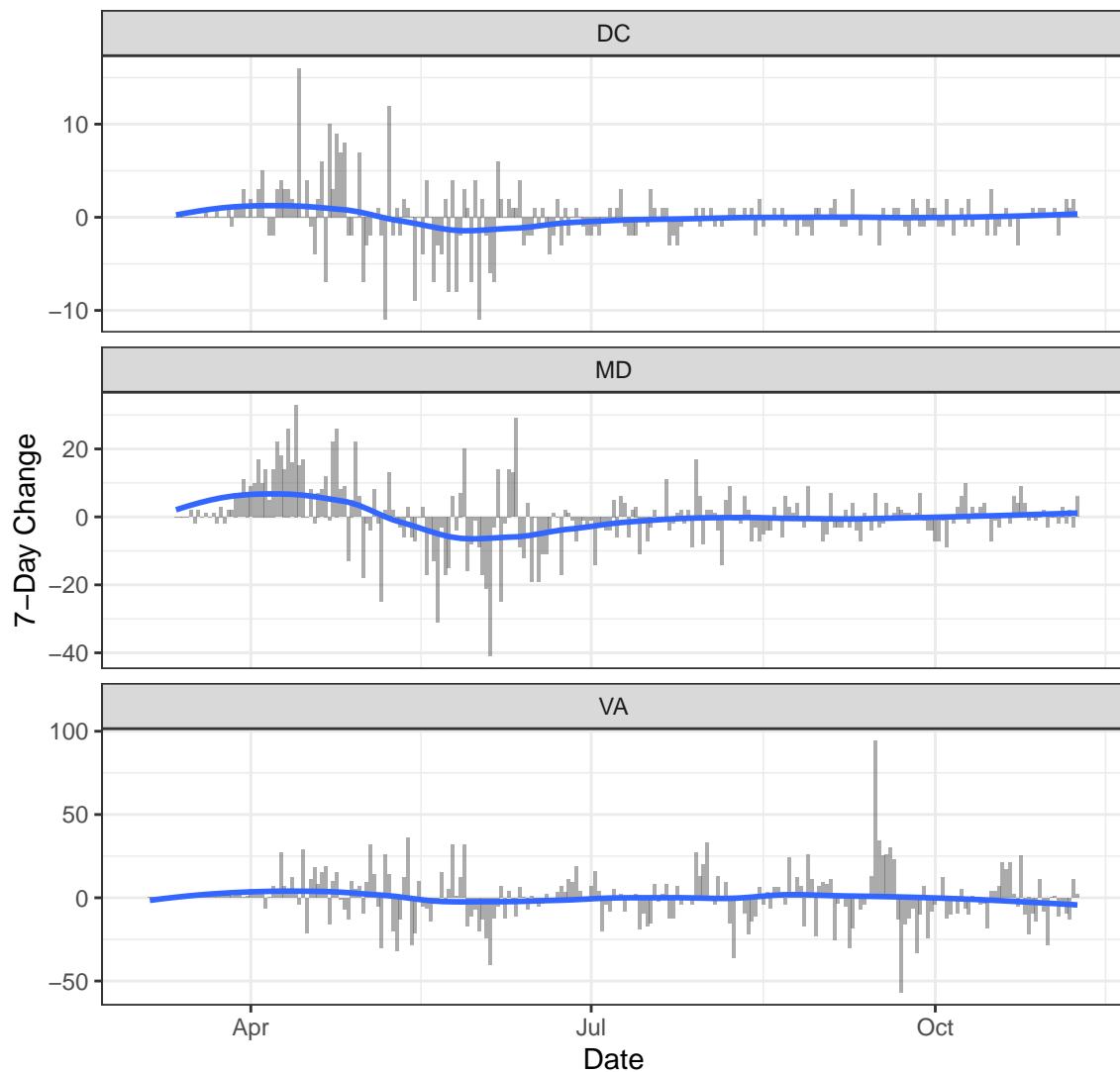
Deaths

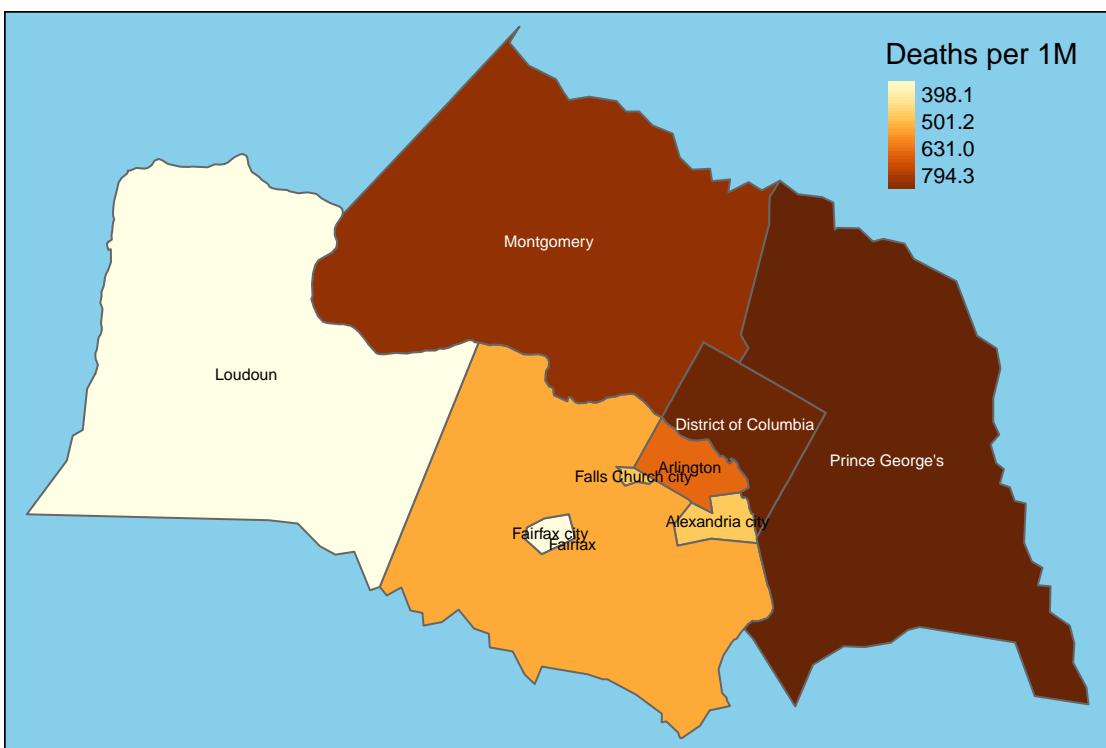
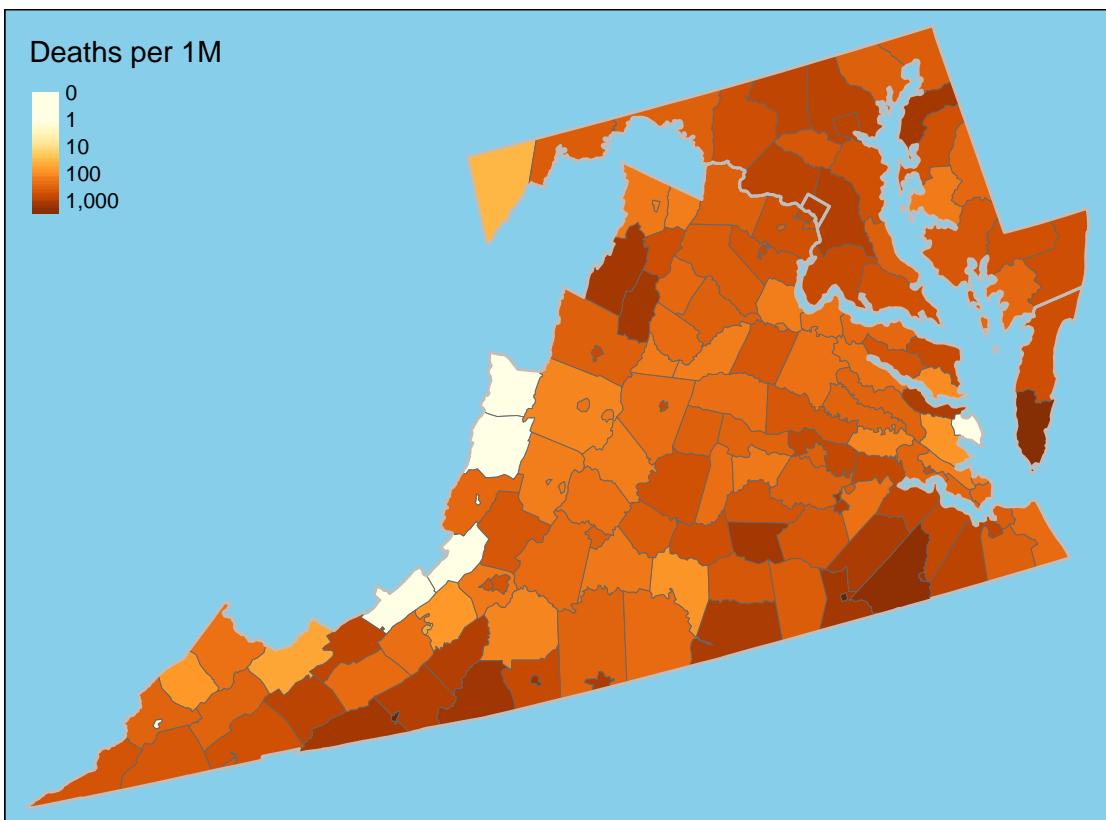


New Deaths

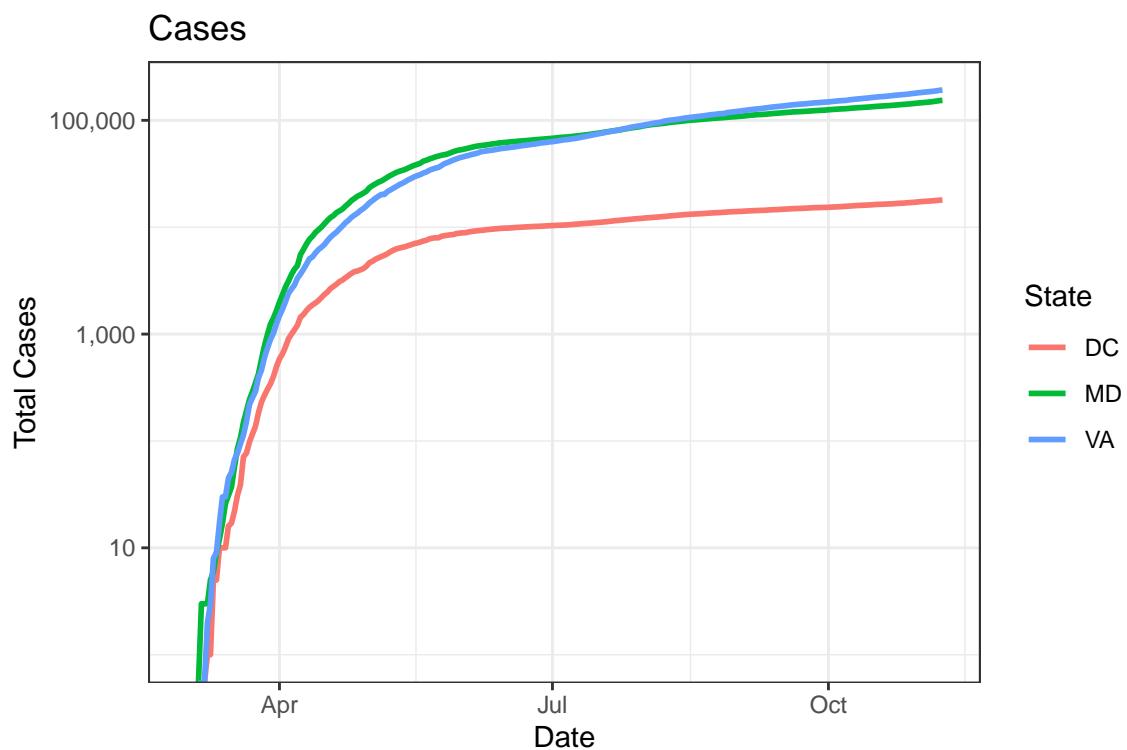


One-Week Change in Daily Deaths

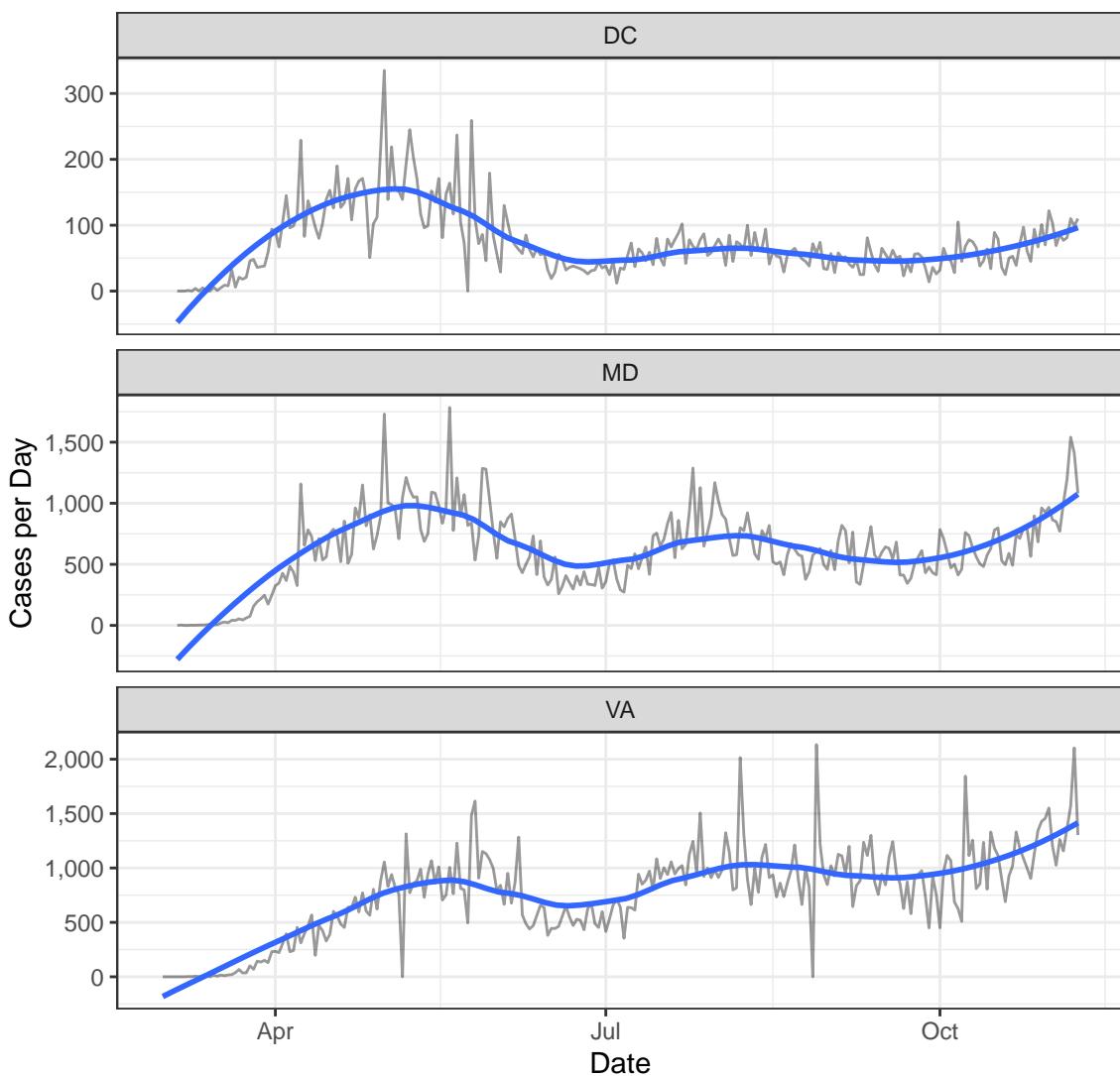




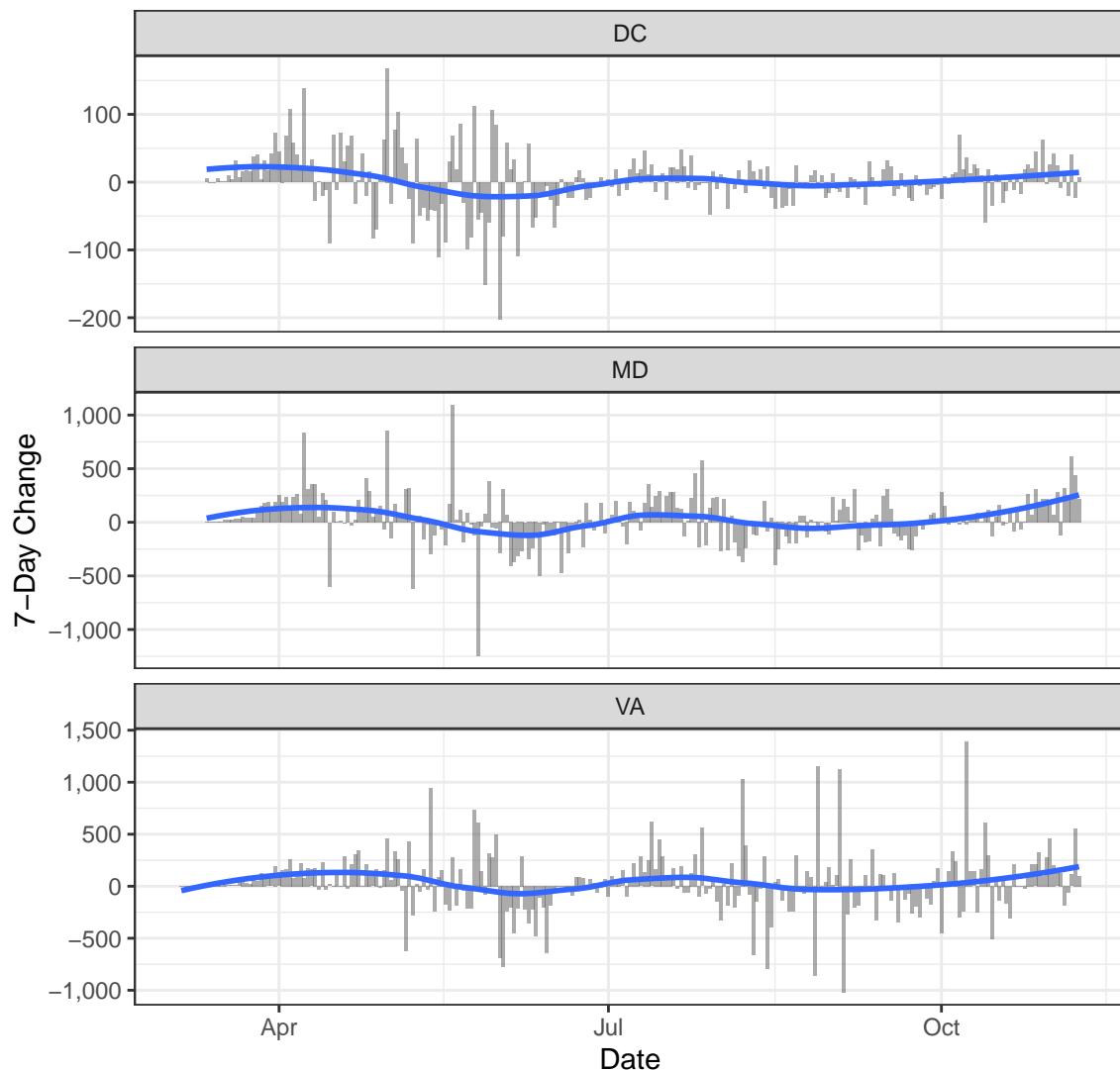
Cases

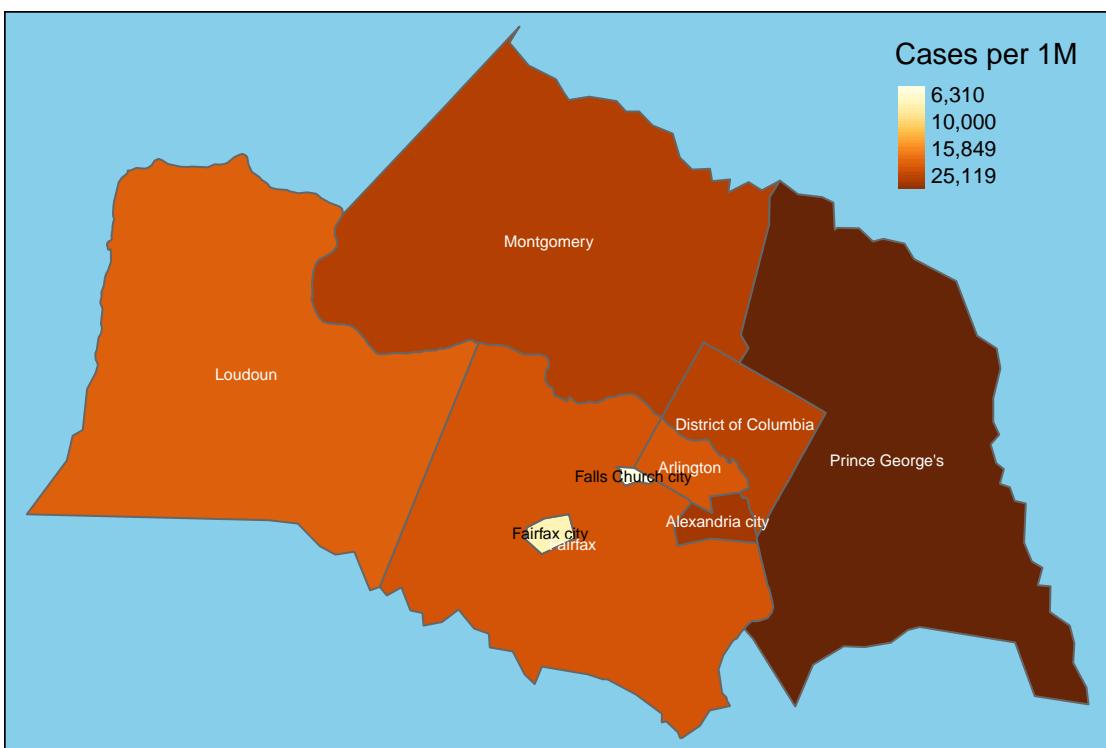
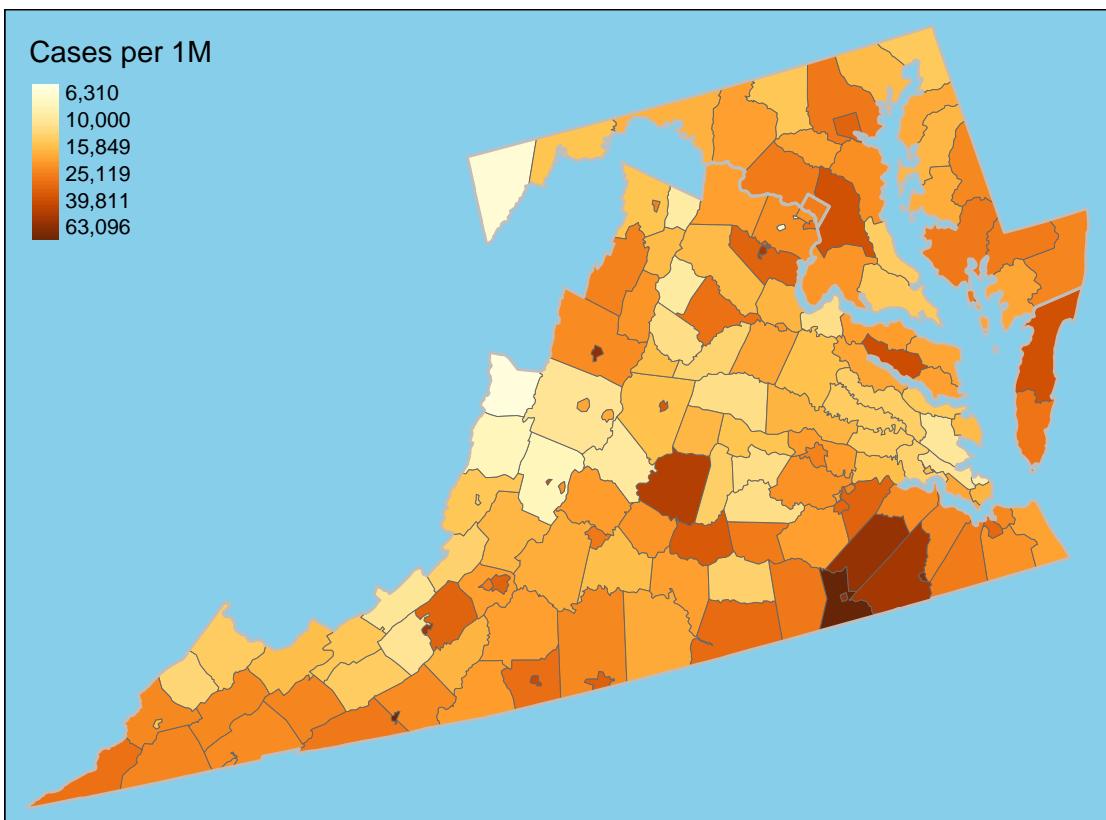


New Cases

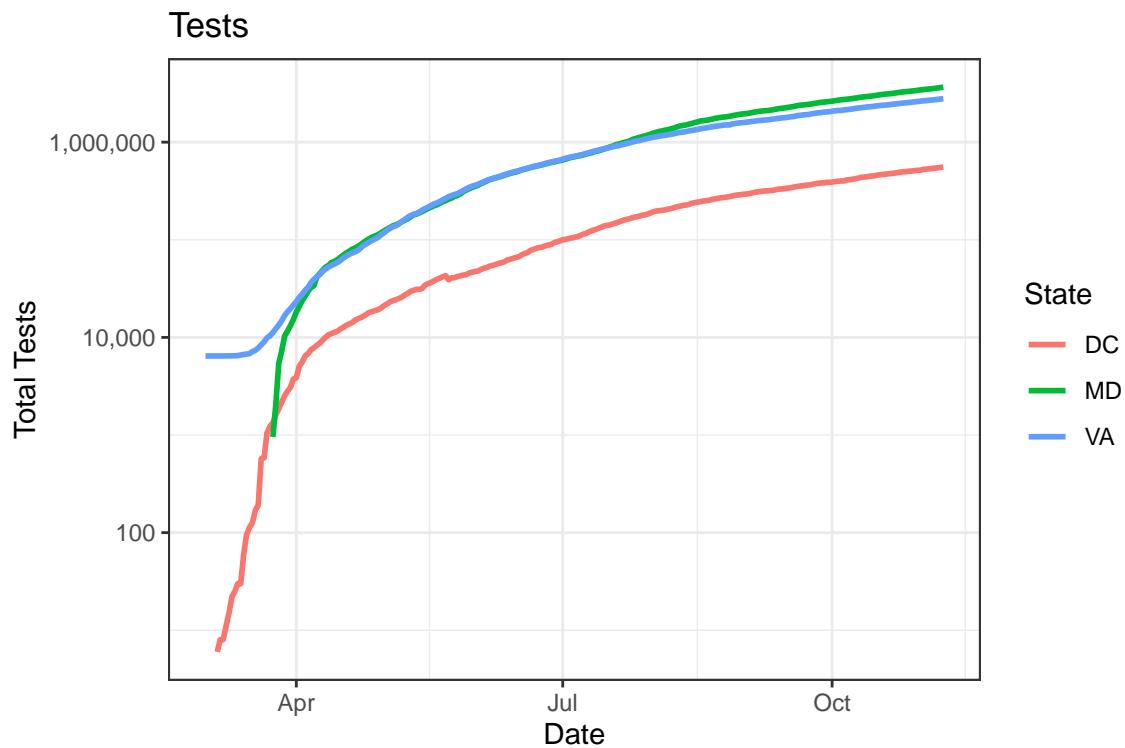


One-Week Change in Daily Cases

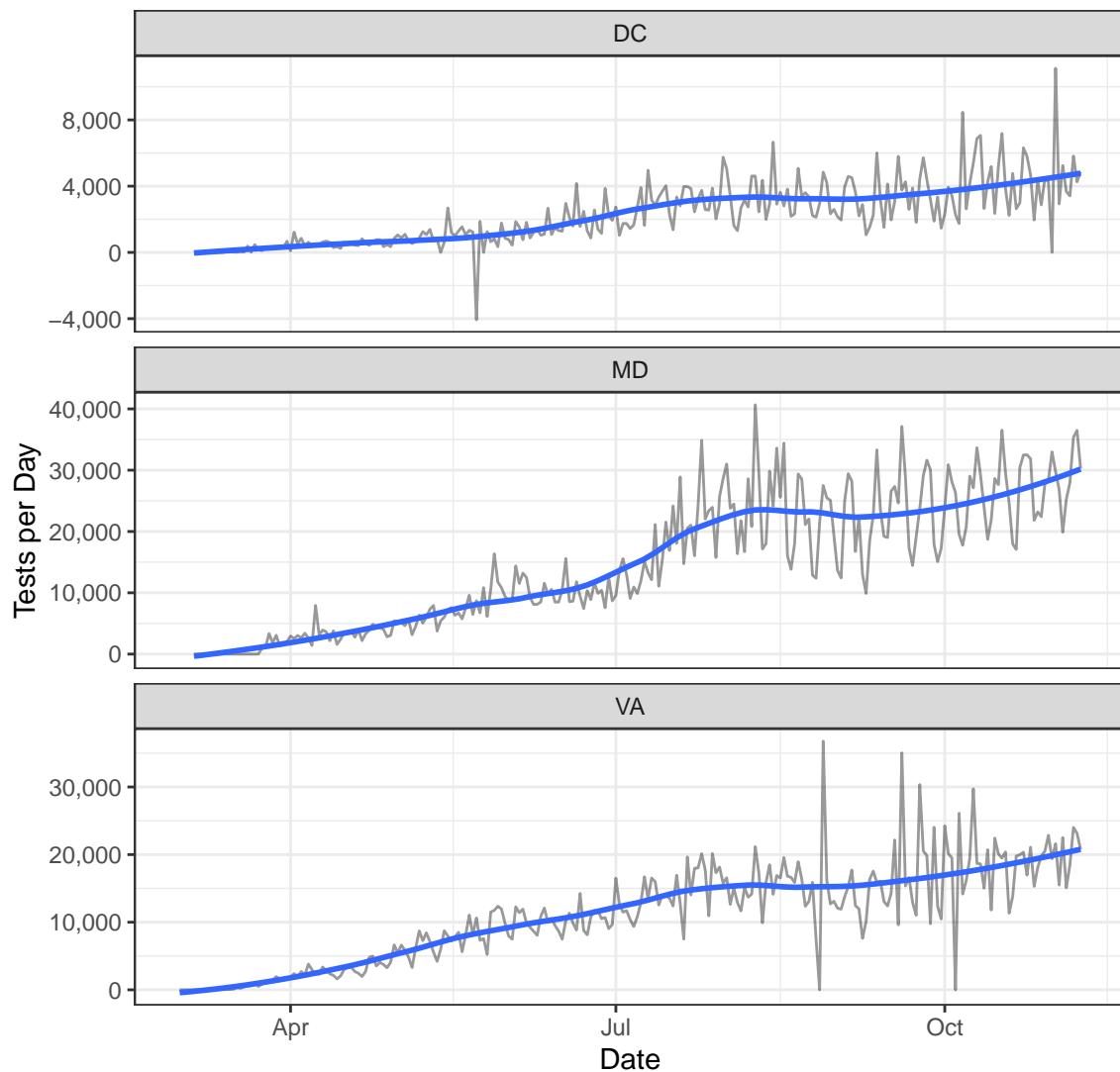




Testing



New Tests



Positive Test Rate

