

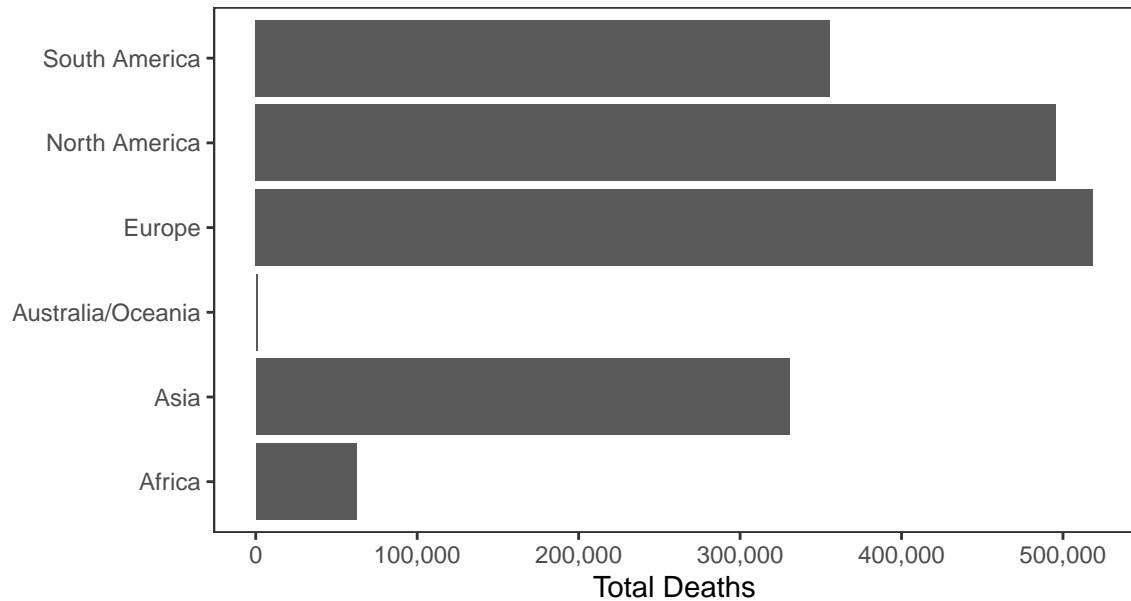
Erik's Covid-19 Chart Pack

Data updated 2020-12-27 12:54:27. 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 80,711,457 confirmed Covid-19 cases and 1,764,424 deaths worldwide.

Deaths



Cases

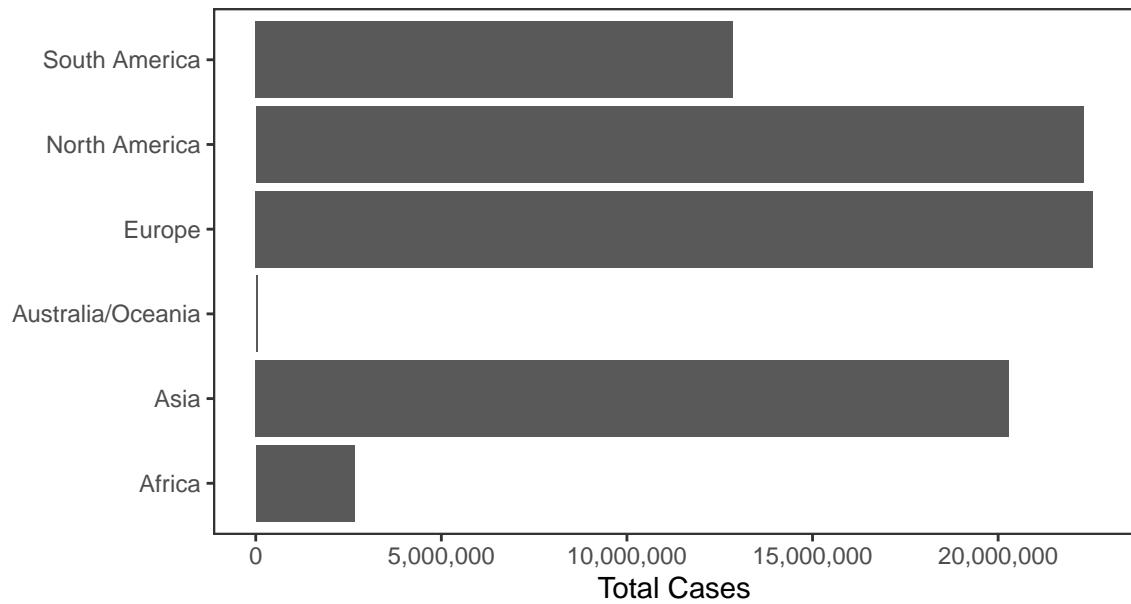
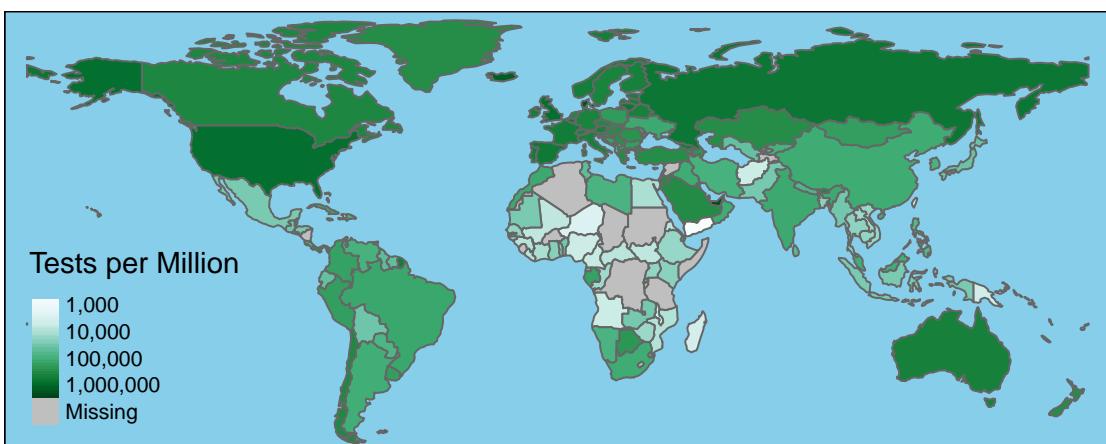
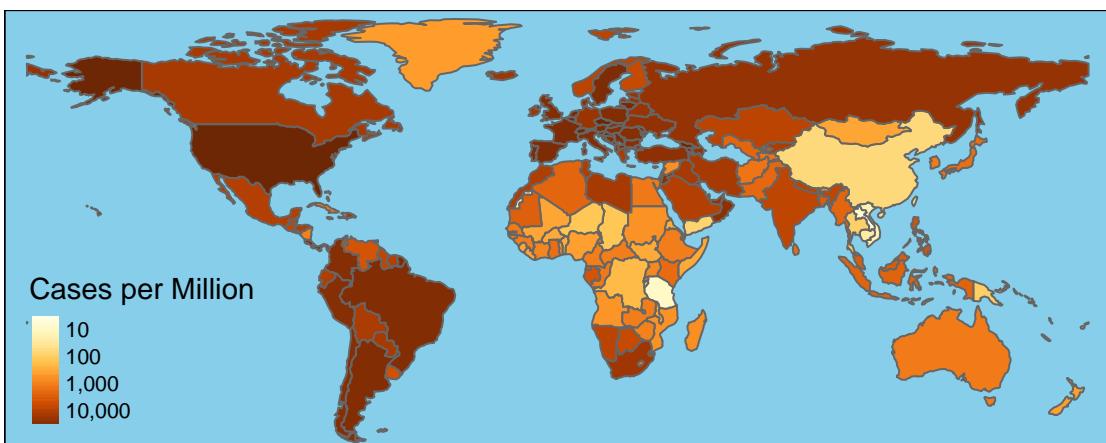
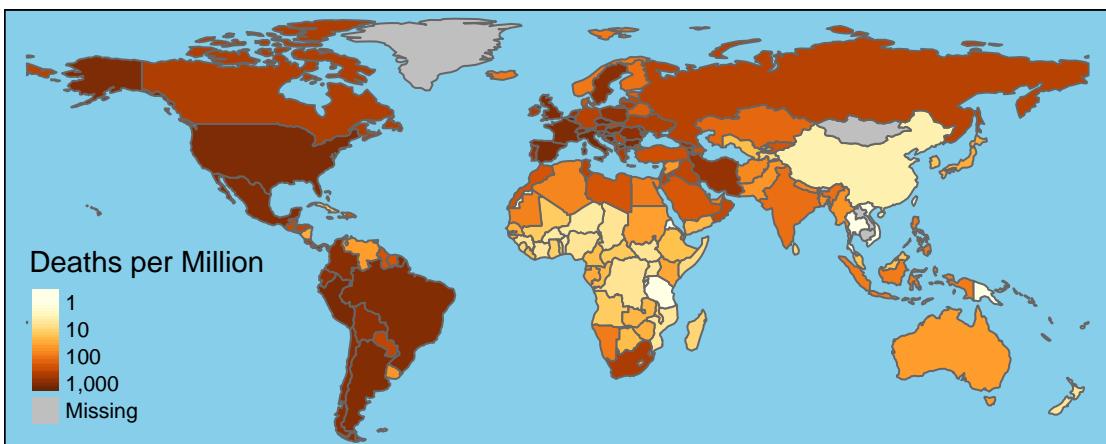


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	19,433,847	339,921	160,604	1,408
India	10,188,392	147,659	18,574	280
Brazil	7,465,806	190,815	17,246	300
Russia	3,021,964	54,226	29,258	567
France	2,550,864	62,573	3,093	146
UK	2,257,844	70,436	36,532	241
Turkey	2,133,373	19,624	15,118	253
Italy	2,038,783	71,620	10,429	261
Spain	1,869,610	49,824	0	0
Germany	1,643,169	30,157	10,432	189
Colombia	1,584,903	41,943	10,196	253
Argentina	1,578,267	42,501	3,713	79
Mexico	1,372,243	121,837	9,679	665
Poland	1,254,121	27,061	5,212	69
Iran	1,194,963	54,574	5,760	134
Ukraine	1,019,876	17,702	7,709	121
Peru	1,006,318	37,414	772	46
South Africa	994,911	26,521	11,552	245
Netherlands	753,905	10,970	9,848	46
Indonesia	706,837	20,994	6,740	147



National Data

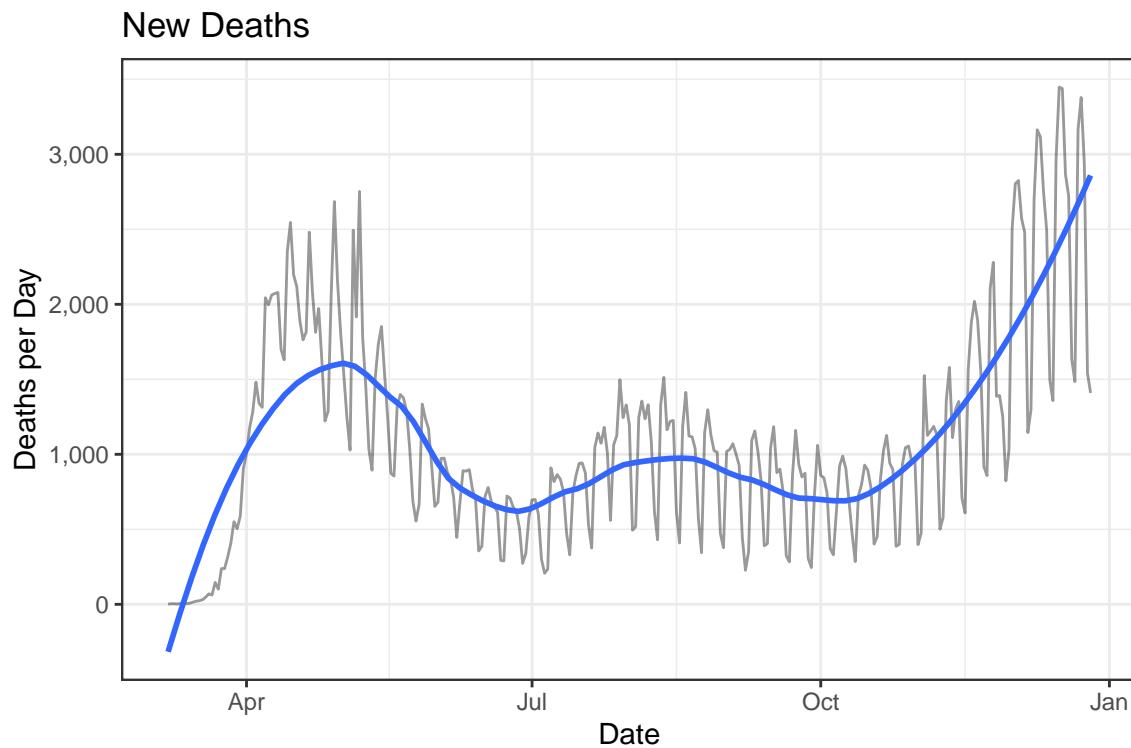
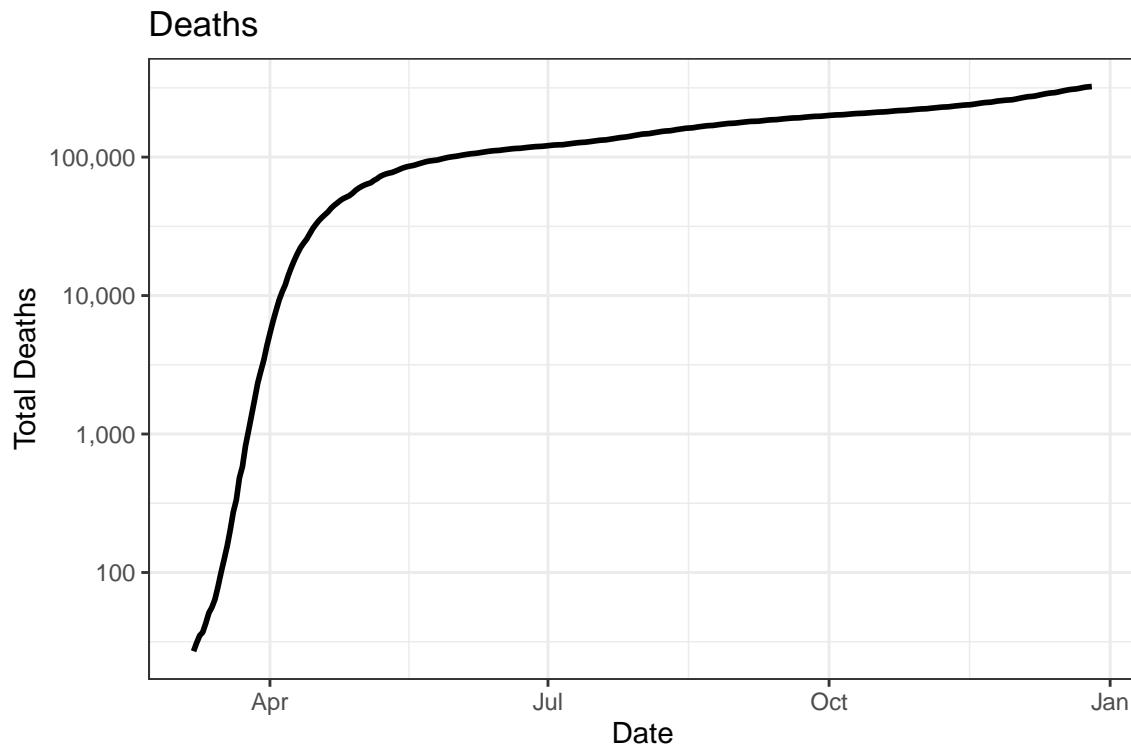
There have been 18,755,195 confirmed Covid-19 cases and 323,401 deaths in the United States.

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

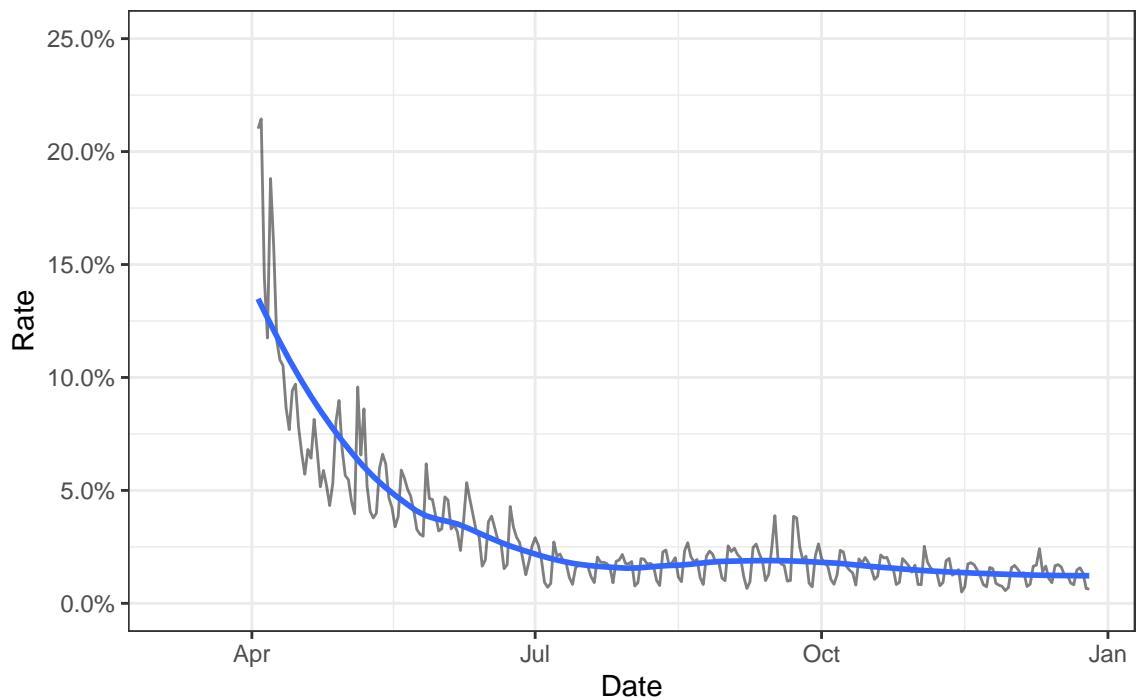
Date	Cases	Deaths	New Cases	New Deaths
2020-12-26	18,755,195	323,401	189,268	1,409
2020-12-25	18,565,927	321,992	124,498	1,541
2020-12-24	18,441,429	320,451	202,579	2,938
2020-12-23	18,238,850	317,513	220,834	3,379
2020-12-22	18,018,016	314,134	189,932	3,166
2020-12-21	17,828,084	310,968	178,191	1,485
2020-12-20	17,649,893	309,483	196,017	1,633
2020-12-19	17,453,876	307,850	202,812	2,723
2020-12-18	17,251,064	305,127	239,246	2,866
2020-12-17	17,011,818	302,261	240,156	3,438
2020-12-16	16,771,662	298,823	231,653	3,448
2020-12-15	16,540,009	295,375	189,783	2,971
2020-12-14	16,350,226	292,404	192,466	1,358
2020-12-13	16,157,760	291,046	185,801	1,494

Deaths

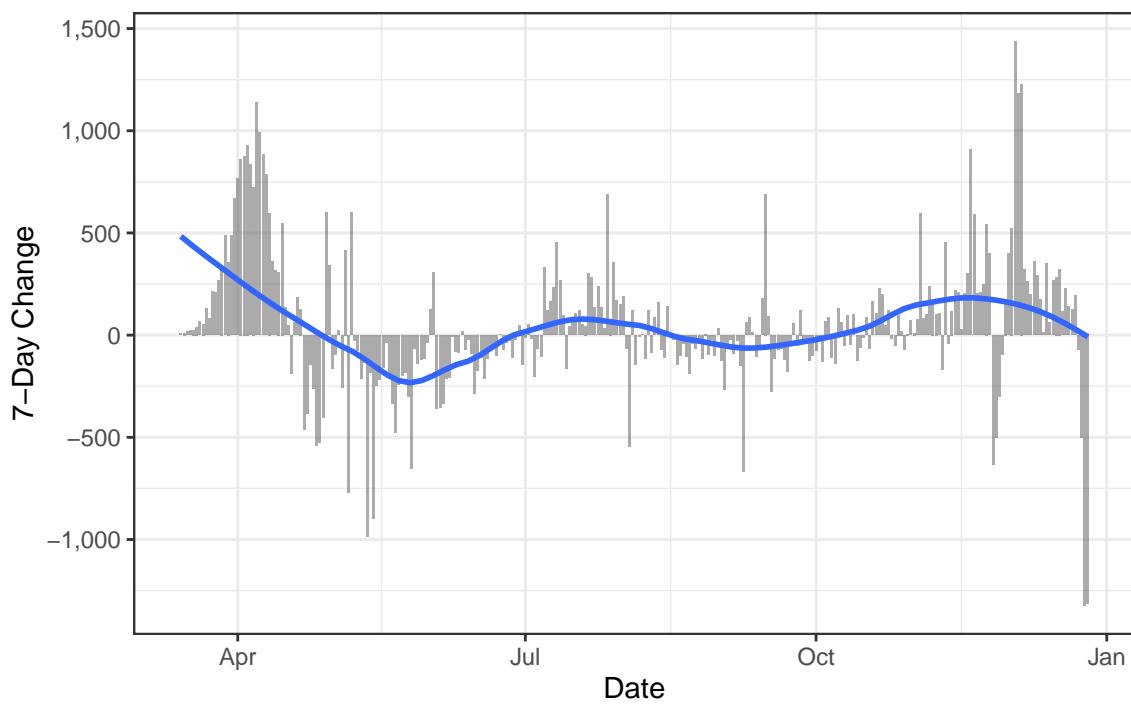
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

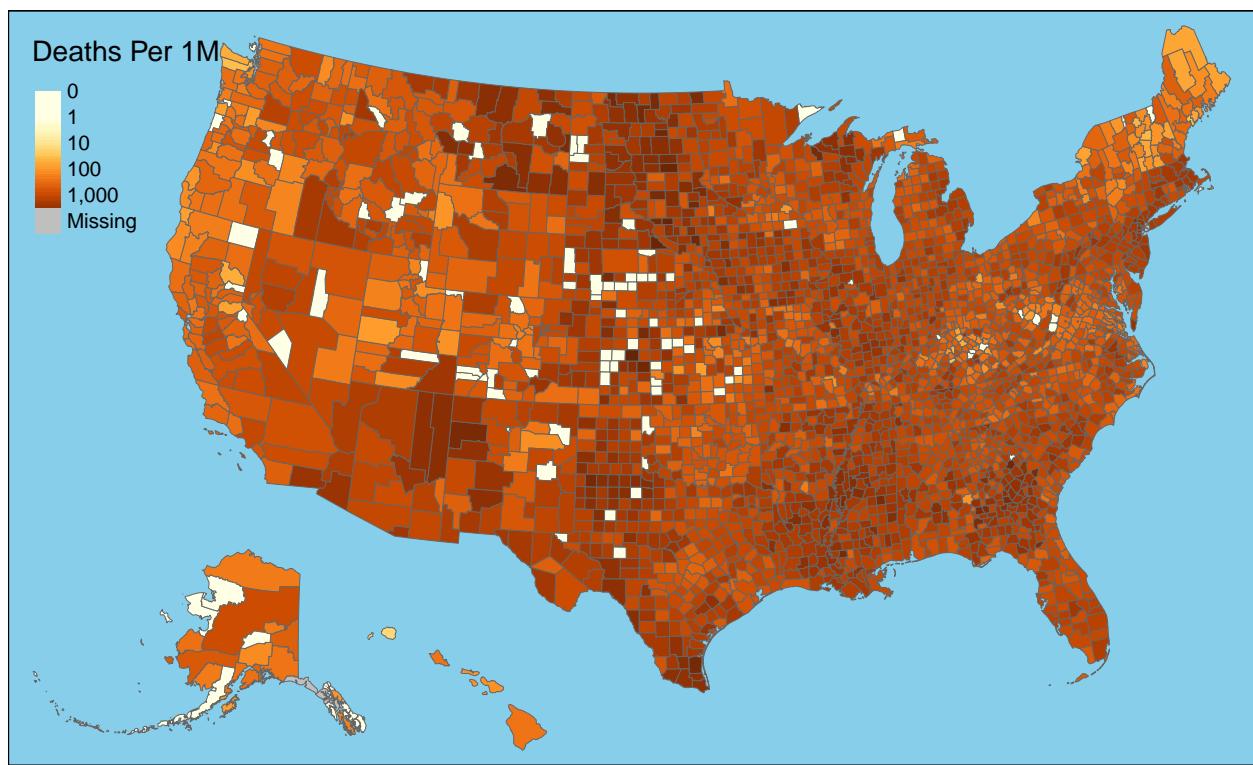


Daily Case Mortality Rate



One-Week Change in Daily Deaths

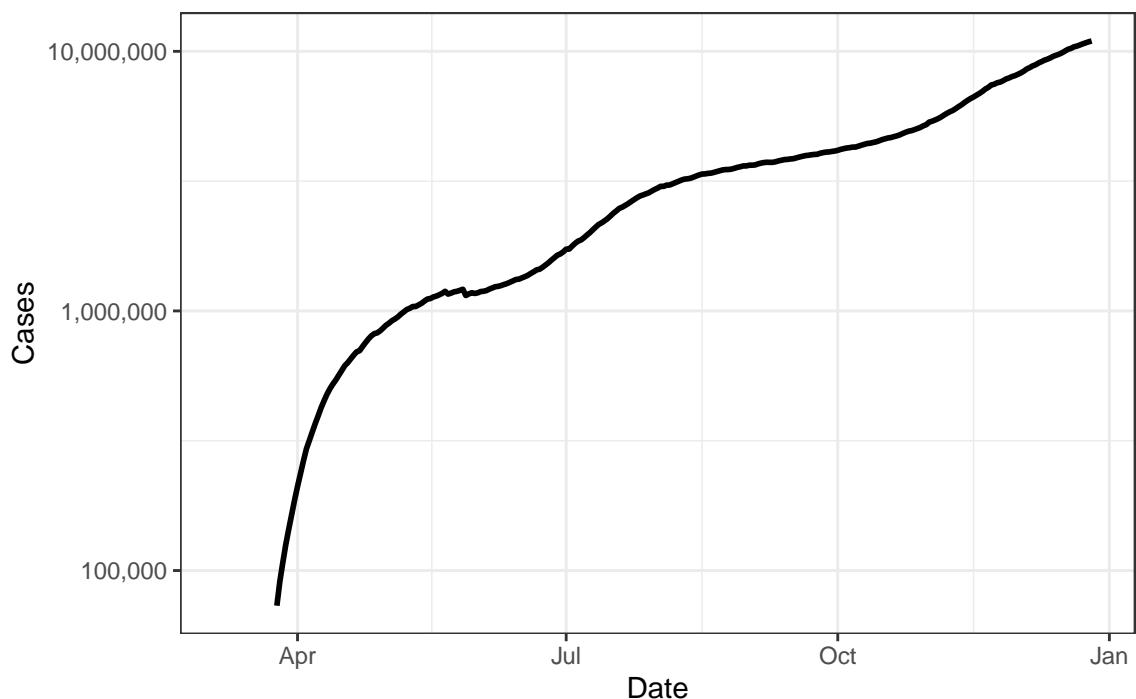




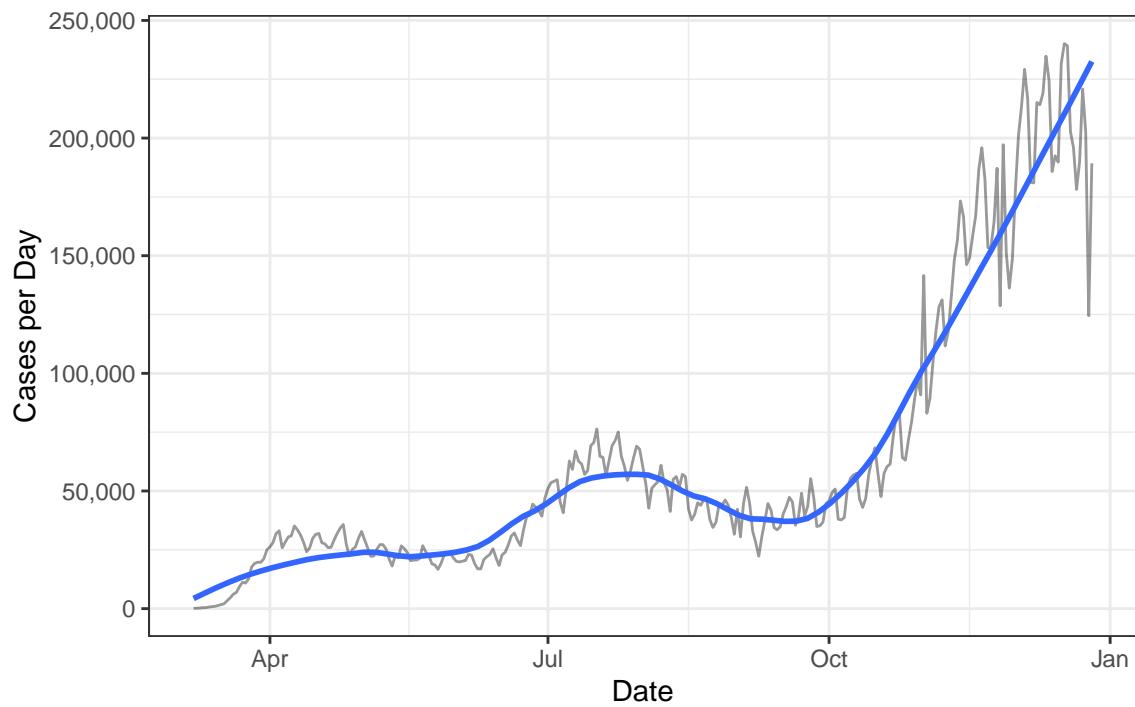
Cases

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

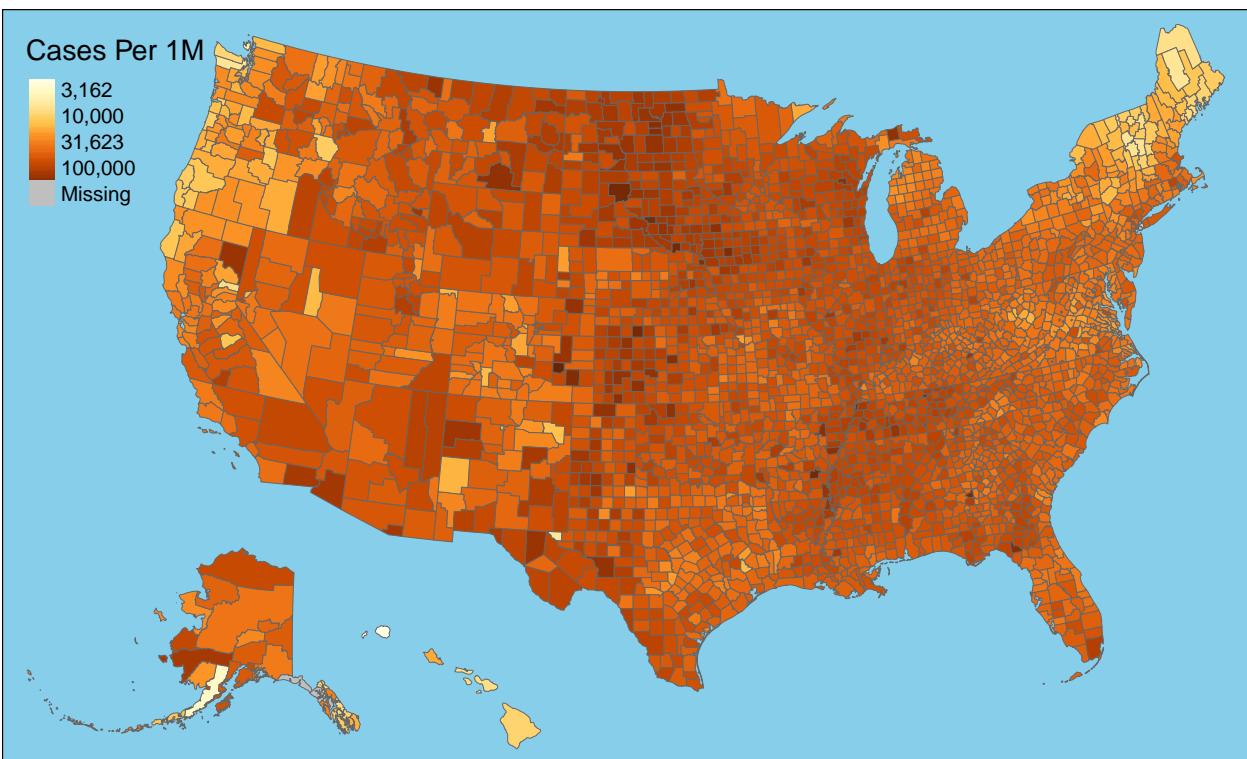
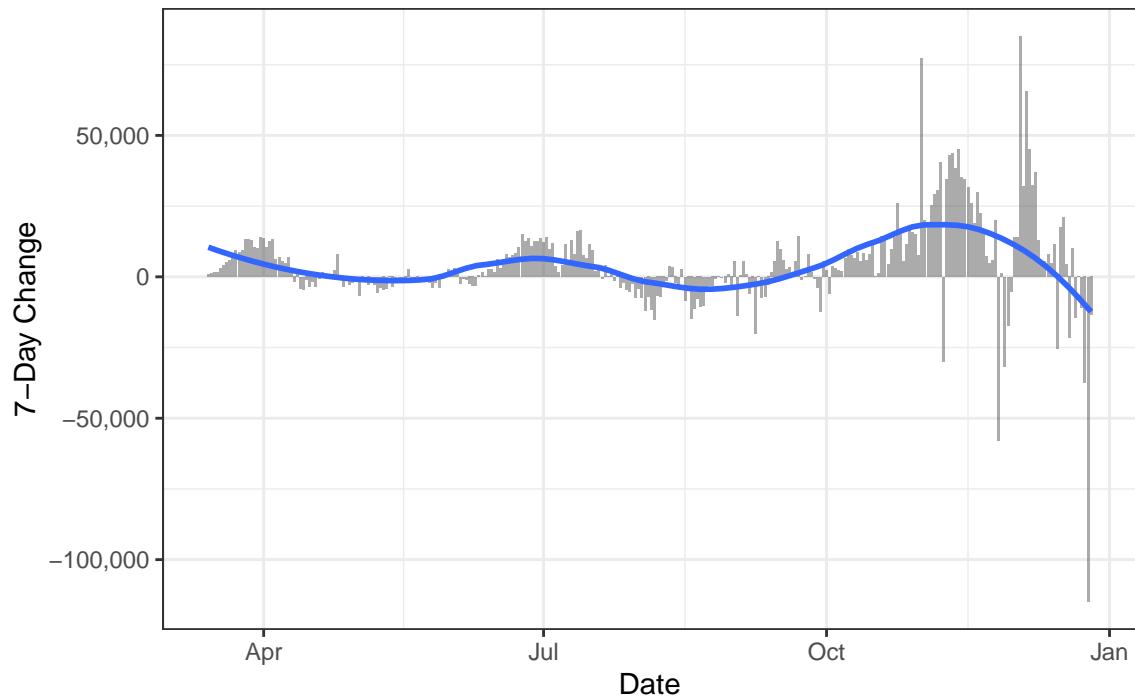
Active Cases



New Cases

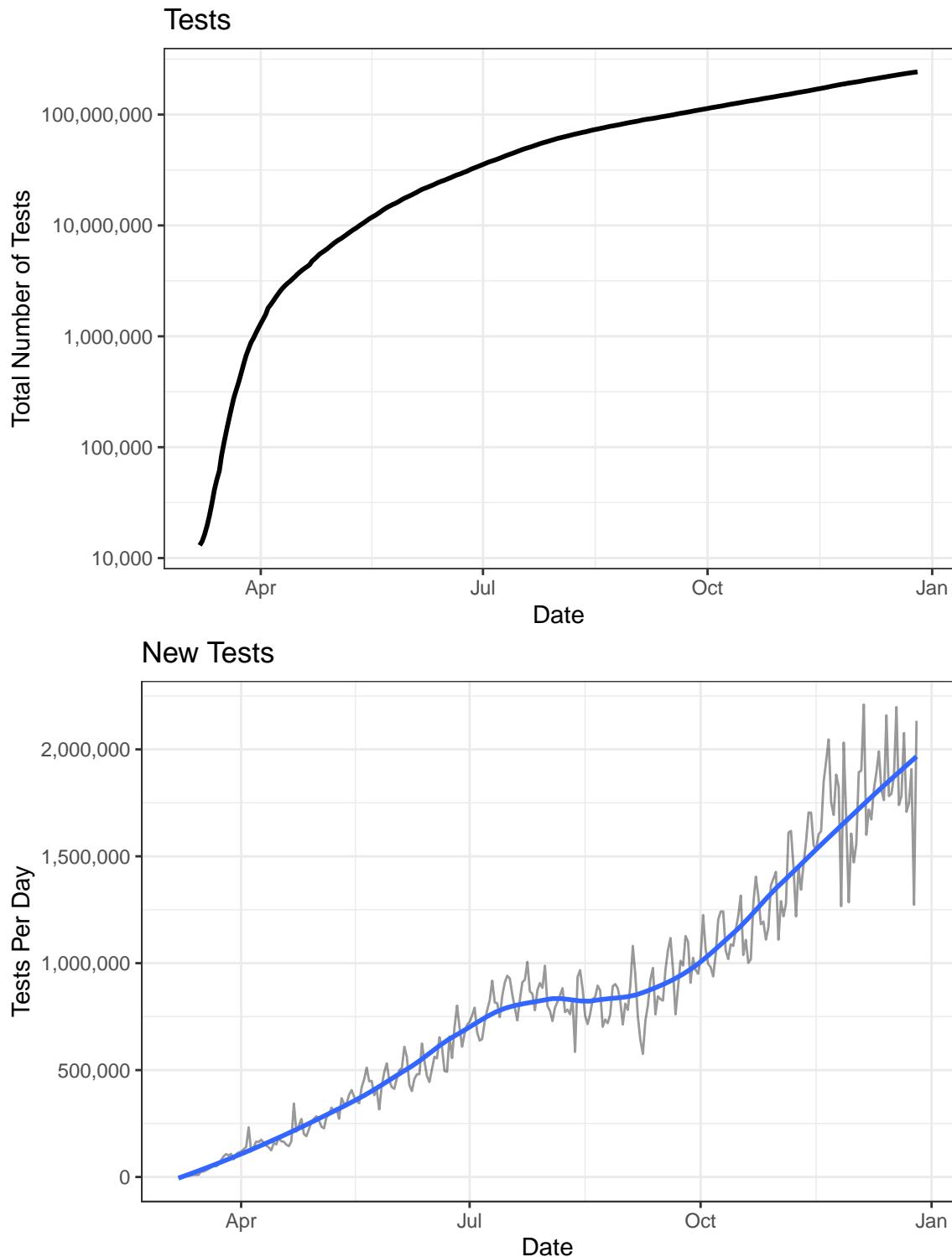


One-Week Change in Daily Cases

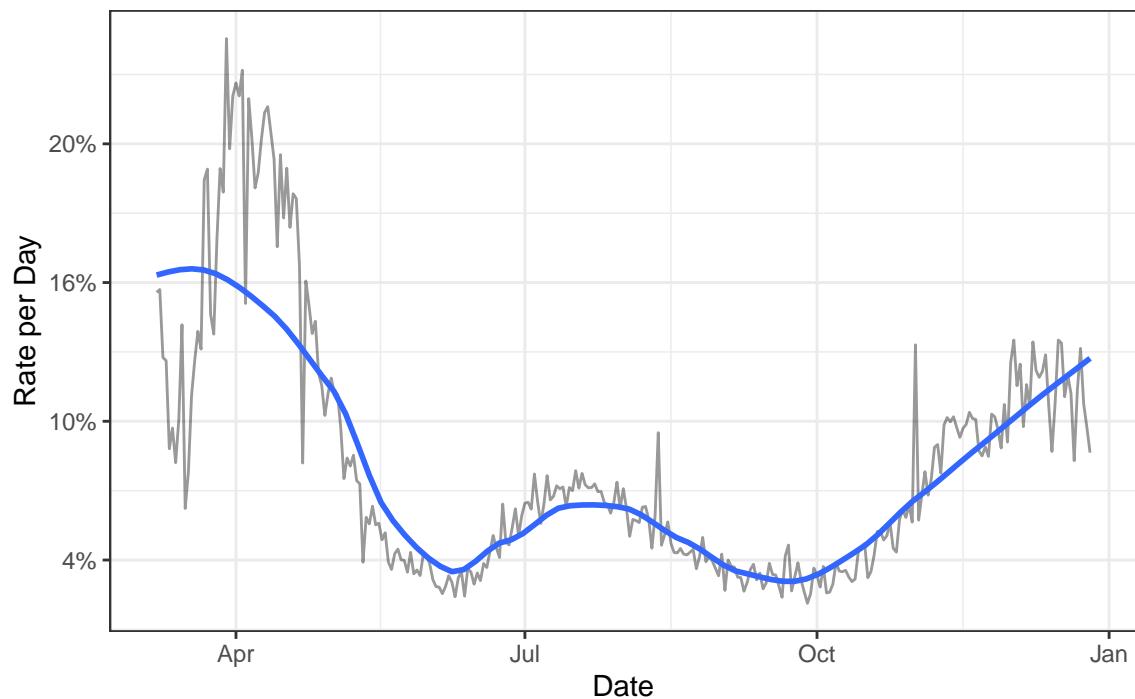


Testing

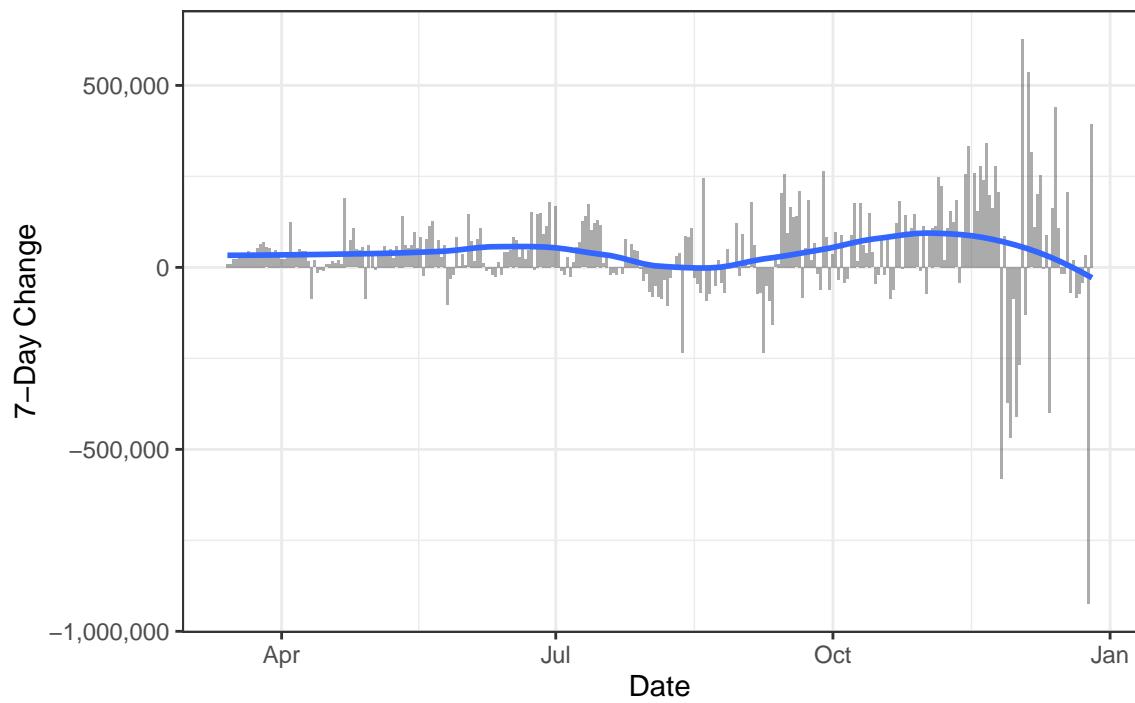
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

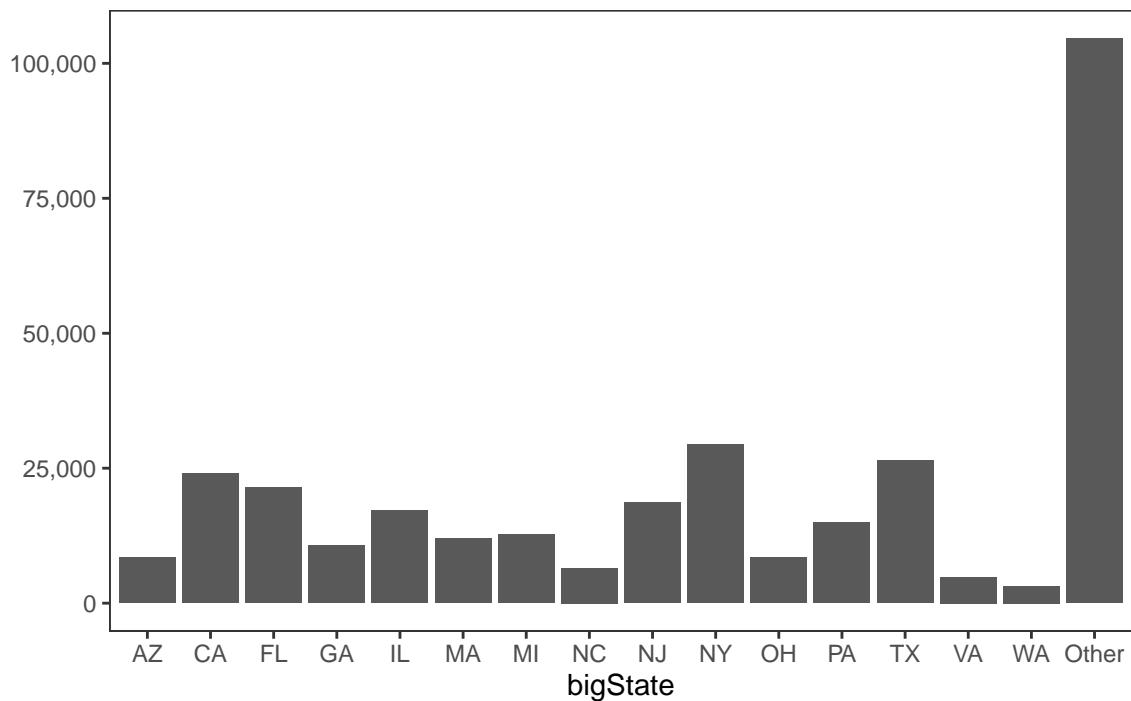


State Data

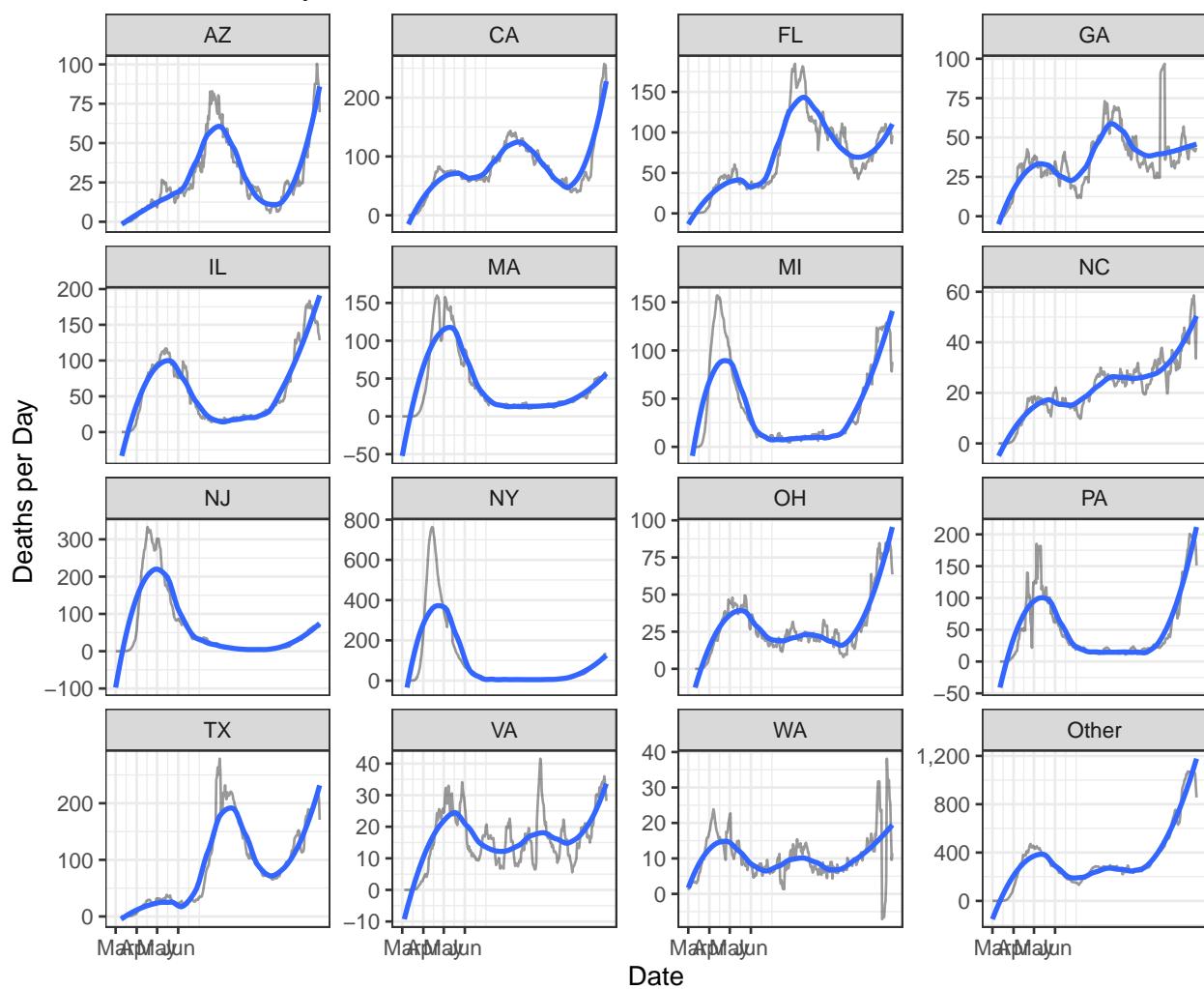
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

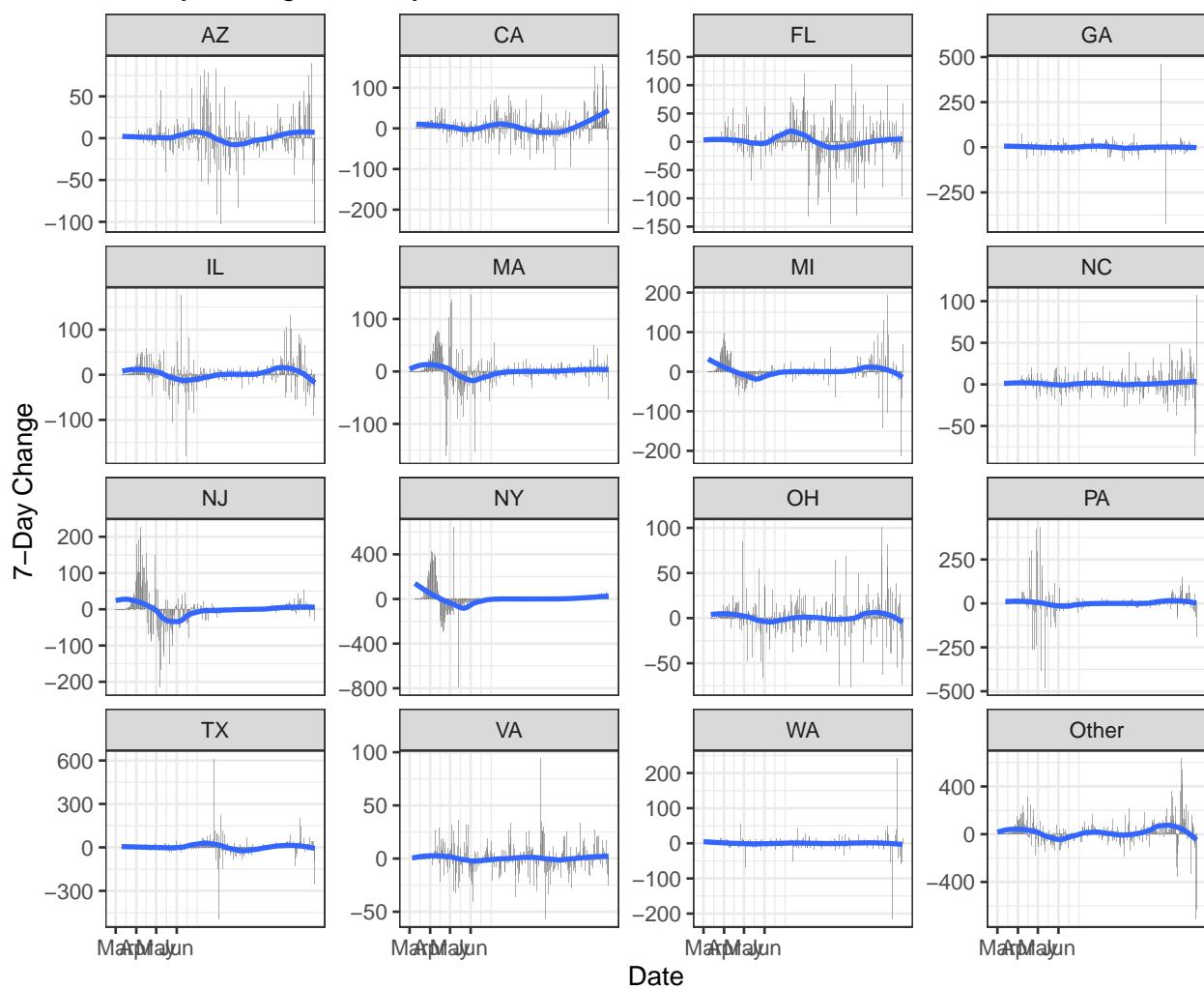
Deaths by State

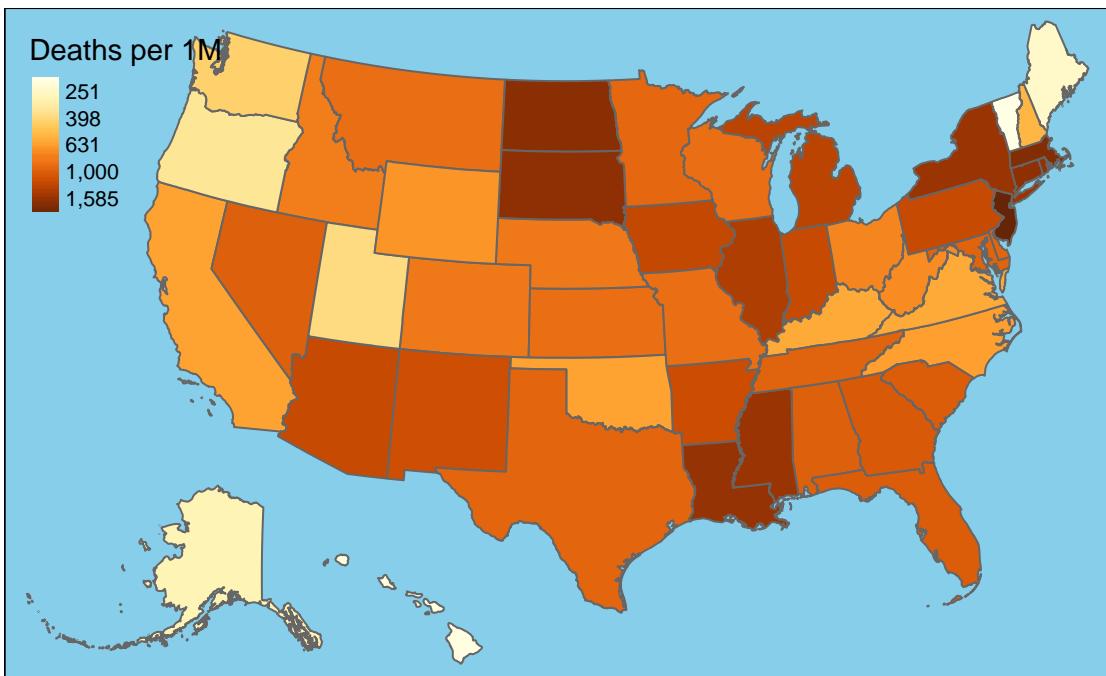
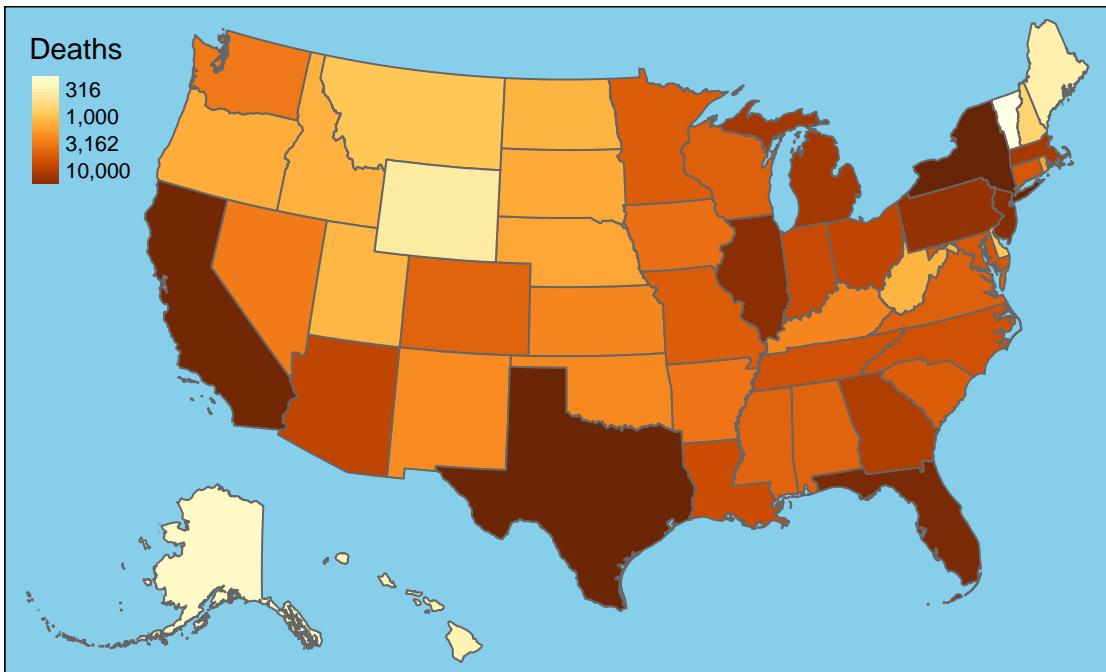


New Deaths by State



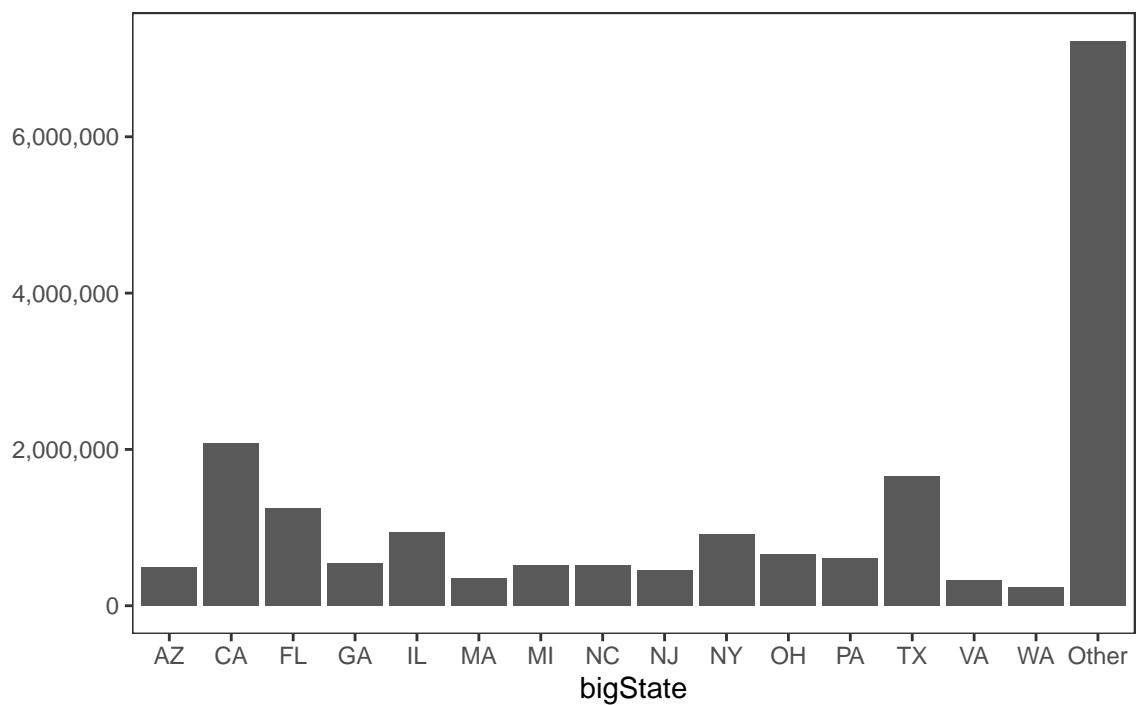
7-Day Change in Daily Deaths



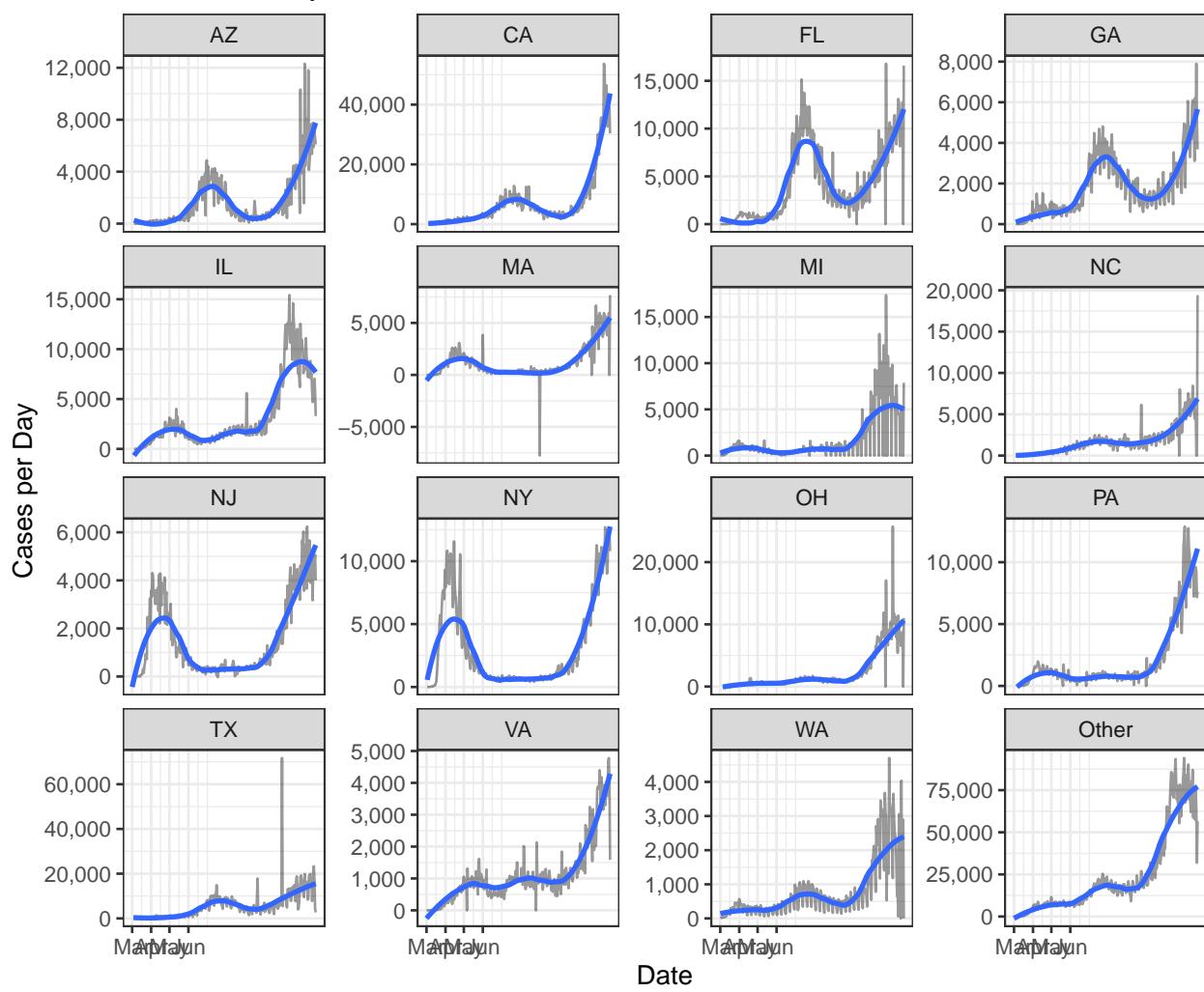


Cases

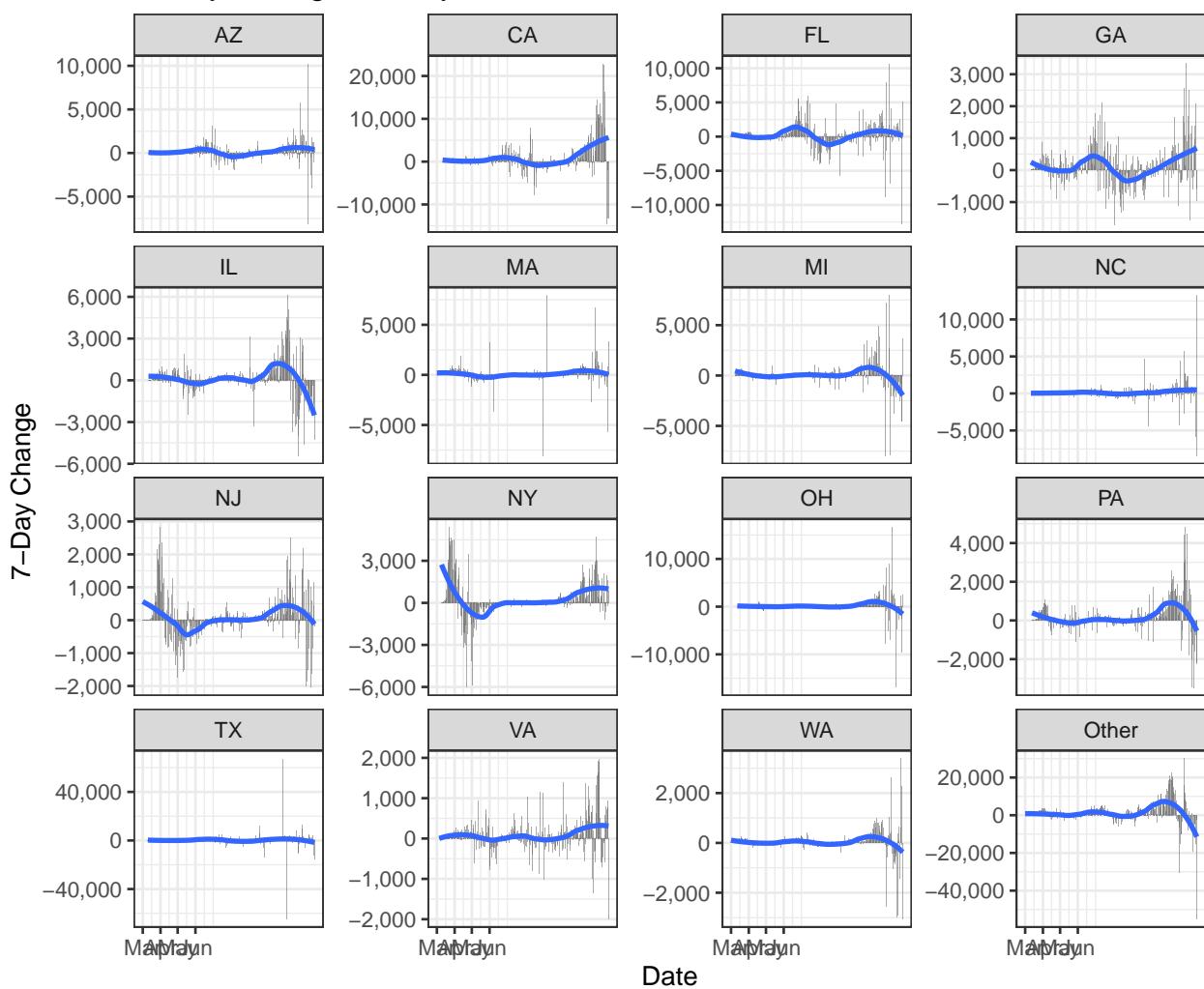
Cases by State

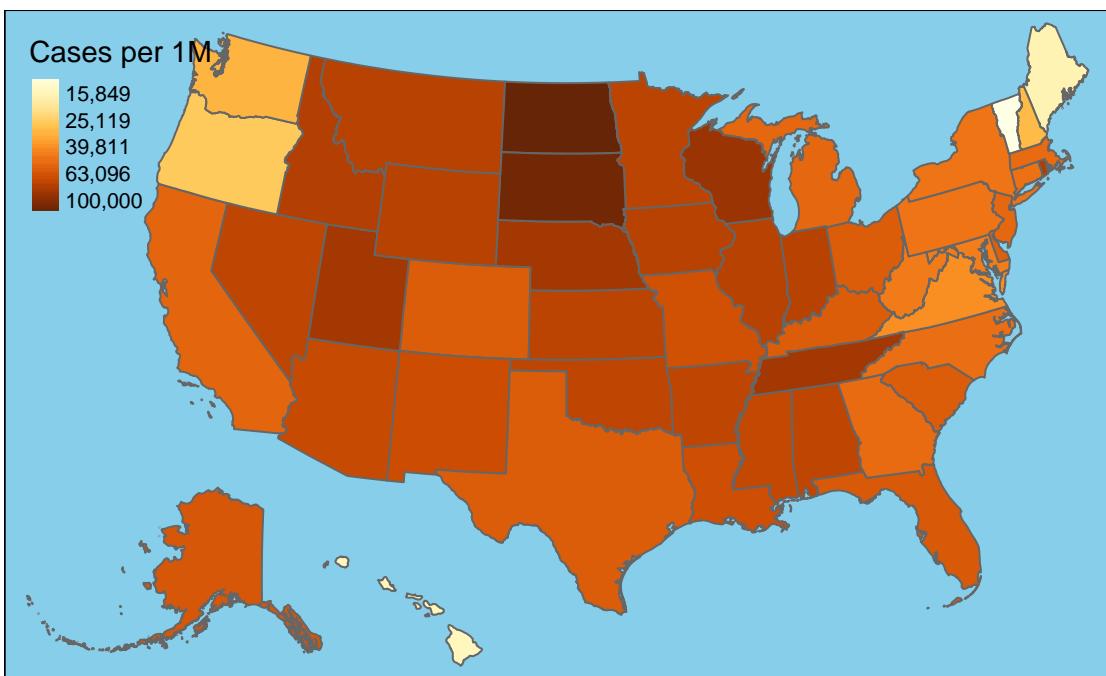
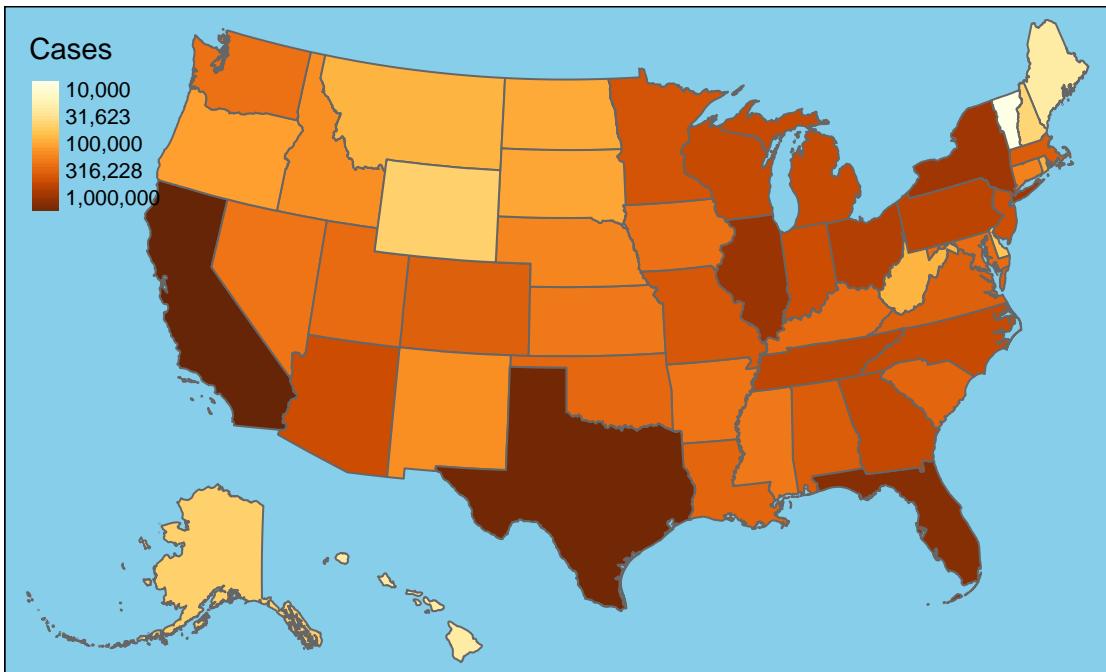


New Cases by State

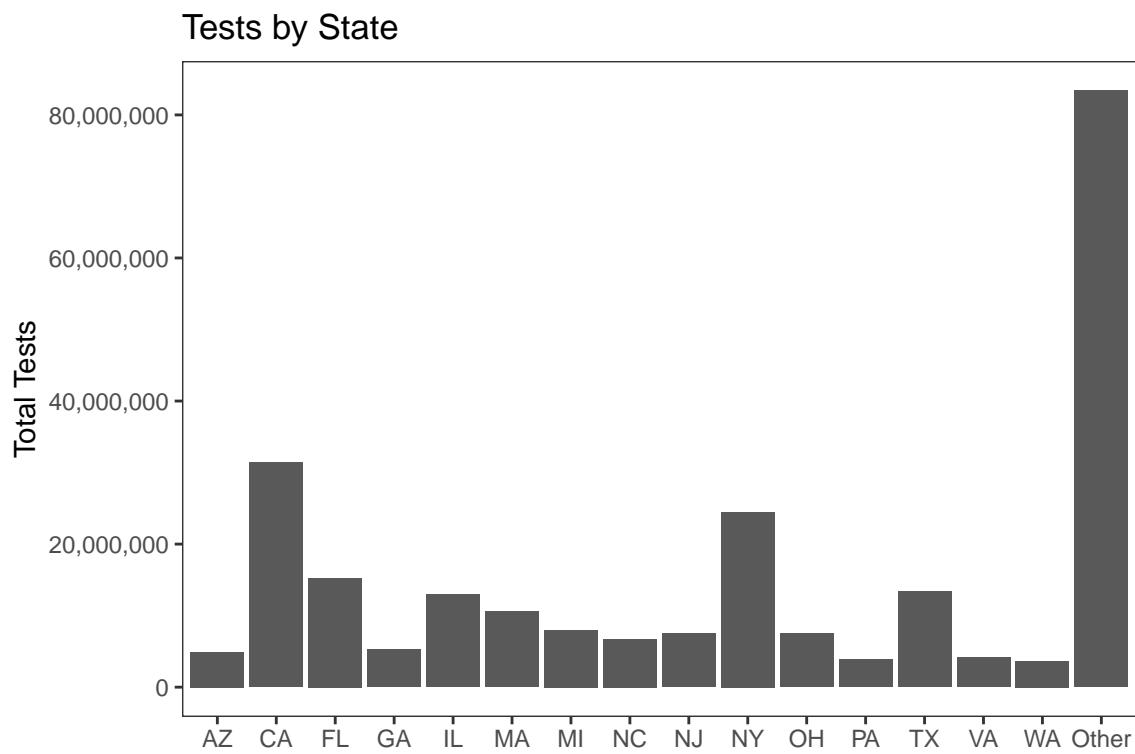


7-Day Change in Daily Cases

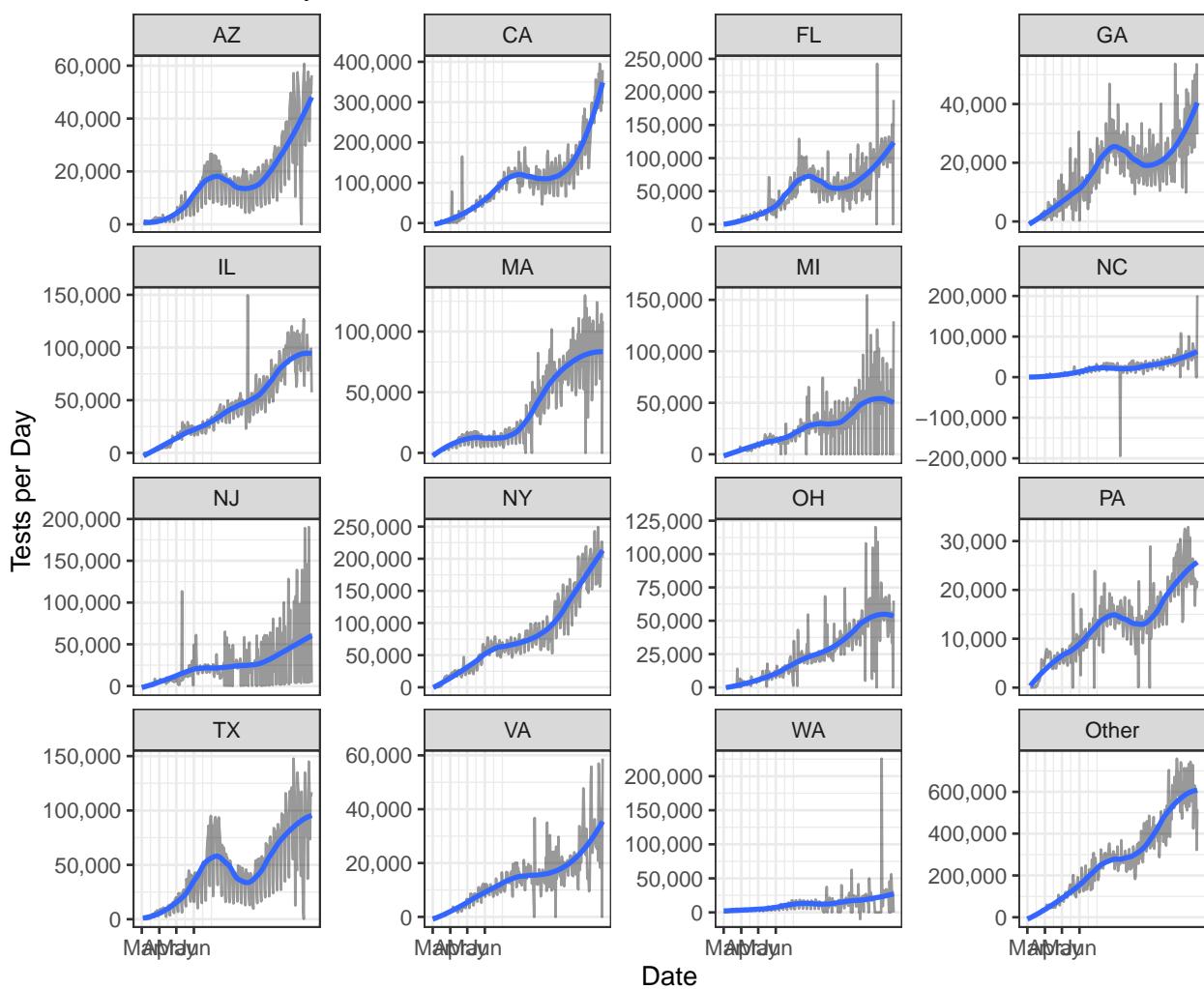


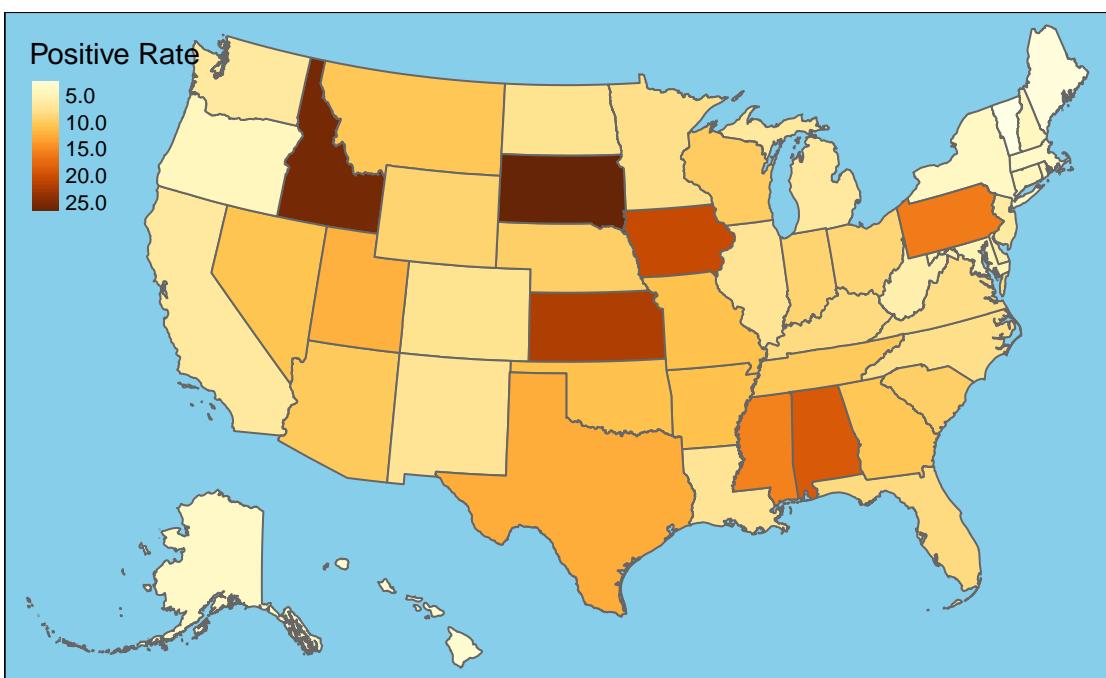
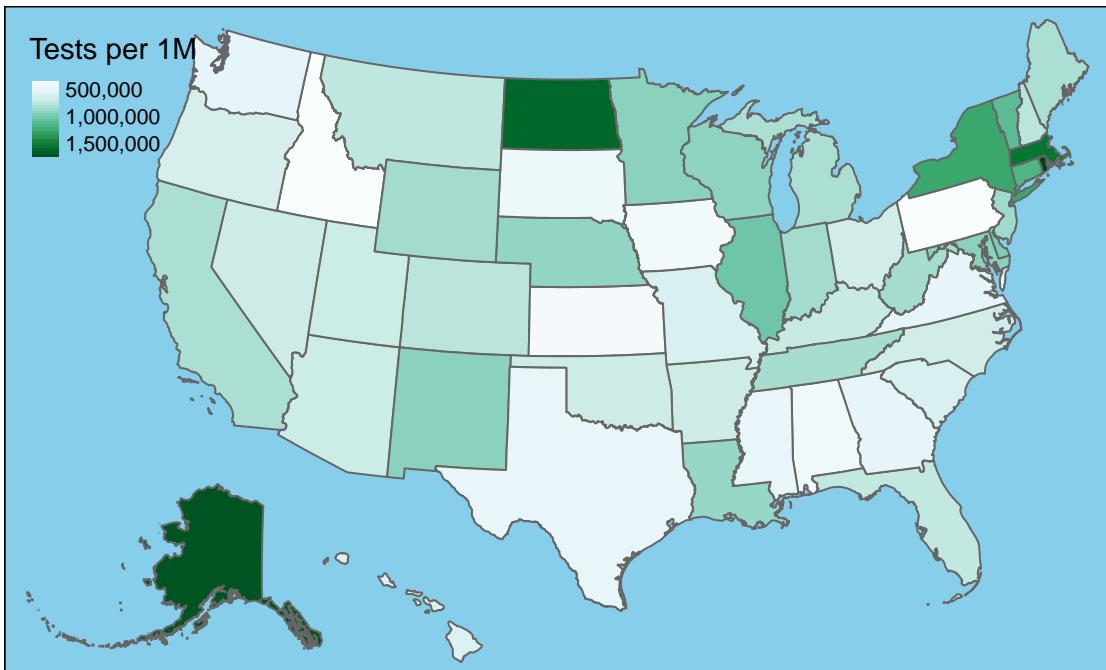


Testing

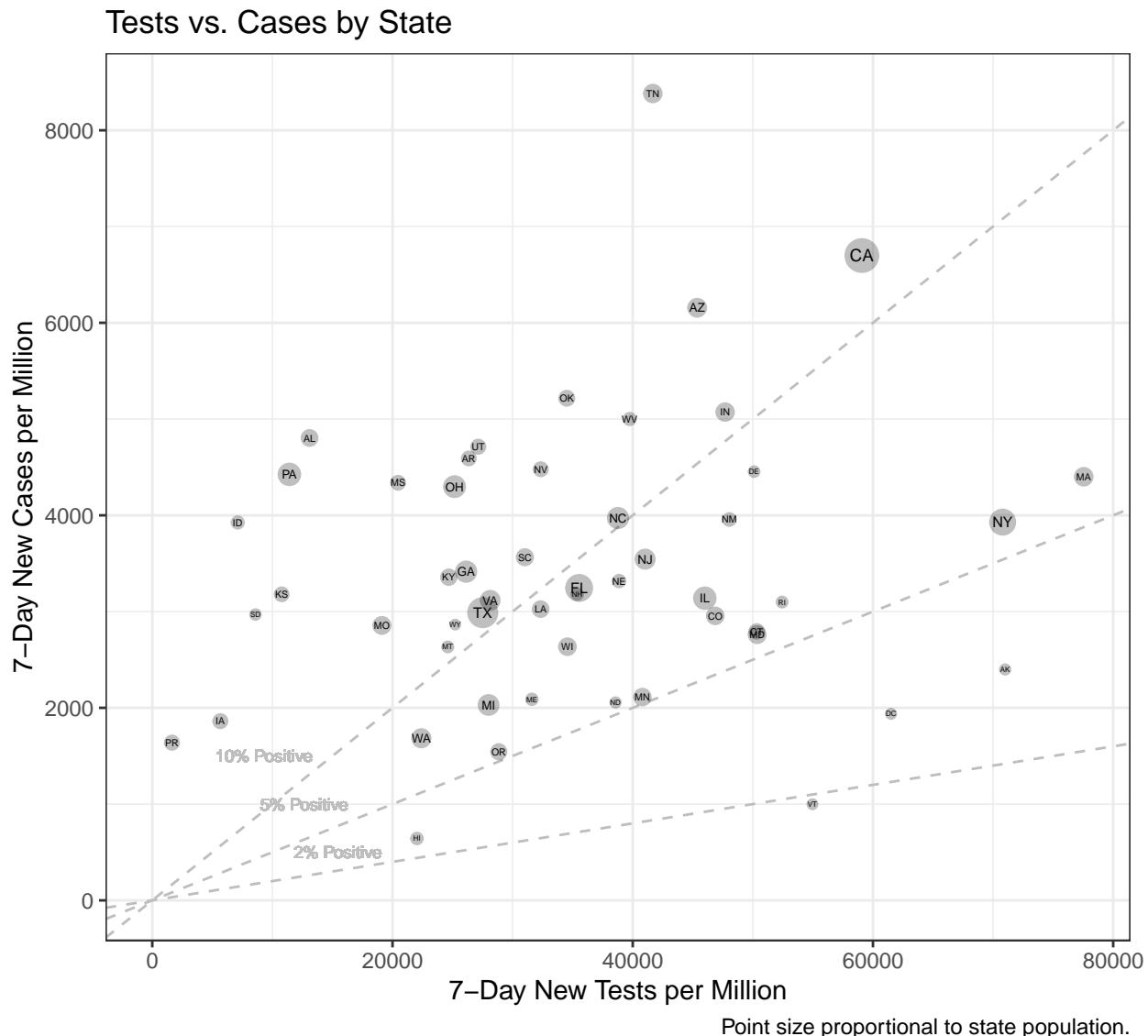


New Tests by State





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.



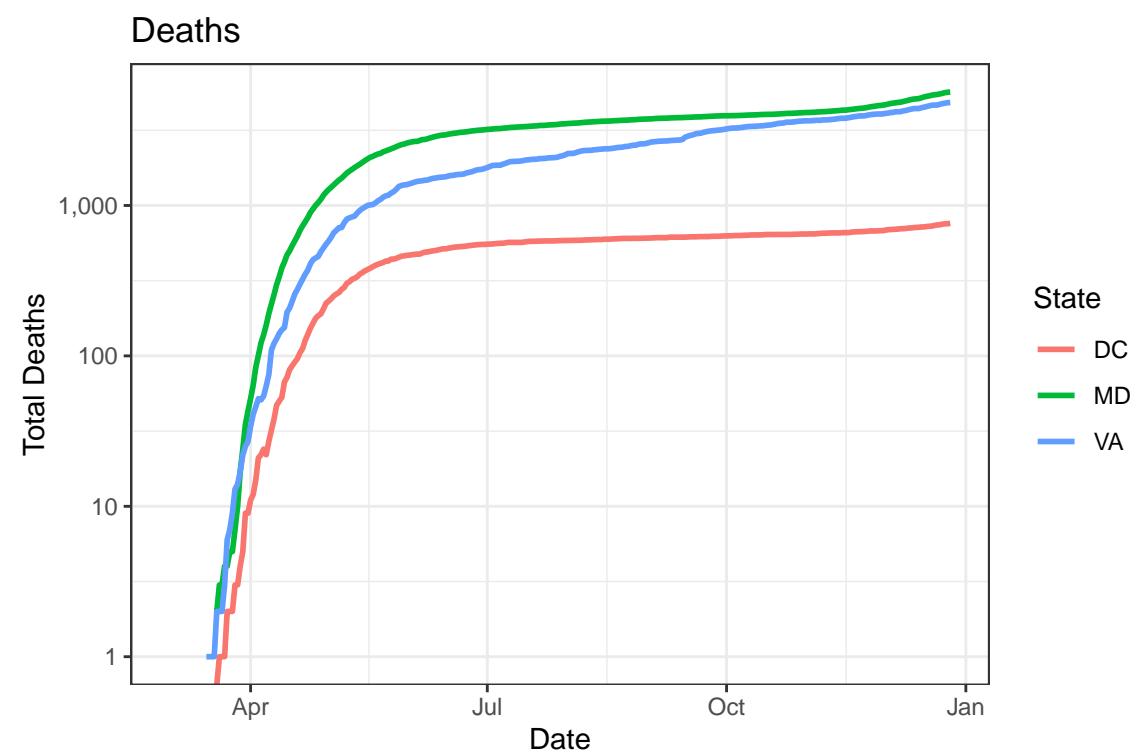
Local Data

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

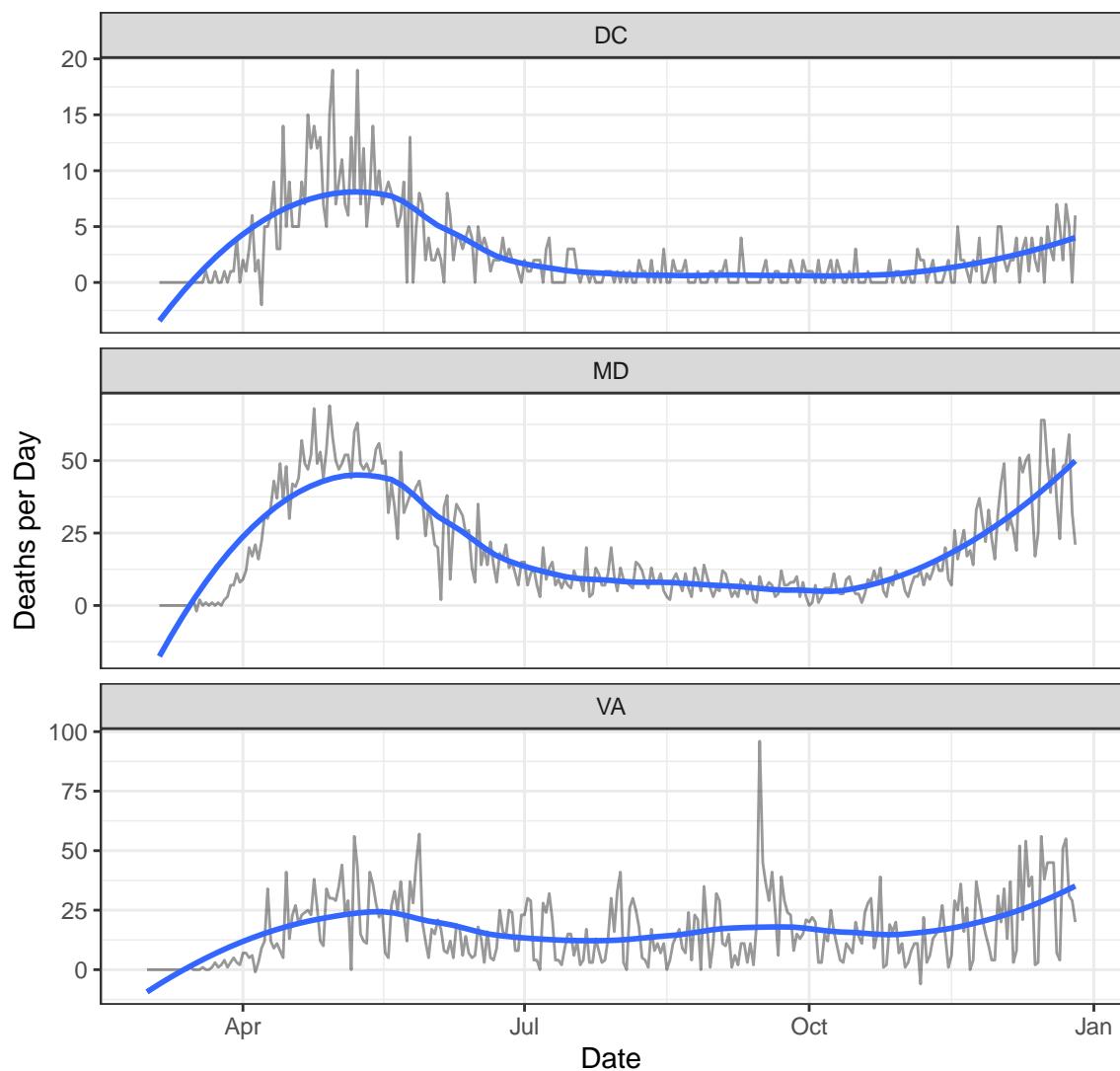
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	27,710	762	274	6
MD	265,440	5,680	2,280	21
VA	329,577	4,840	1,584	20

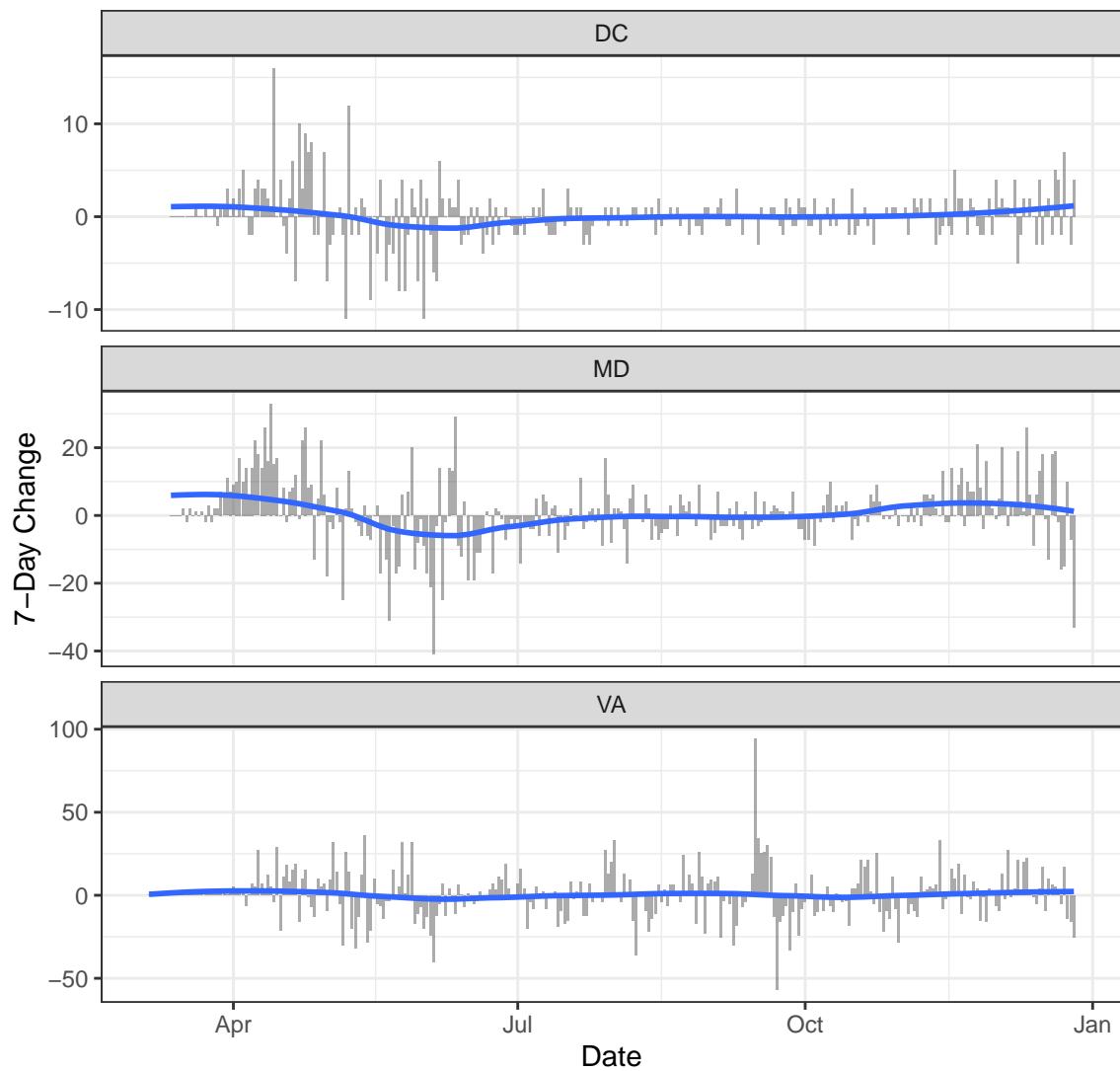
Deaths

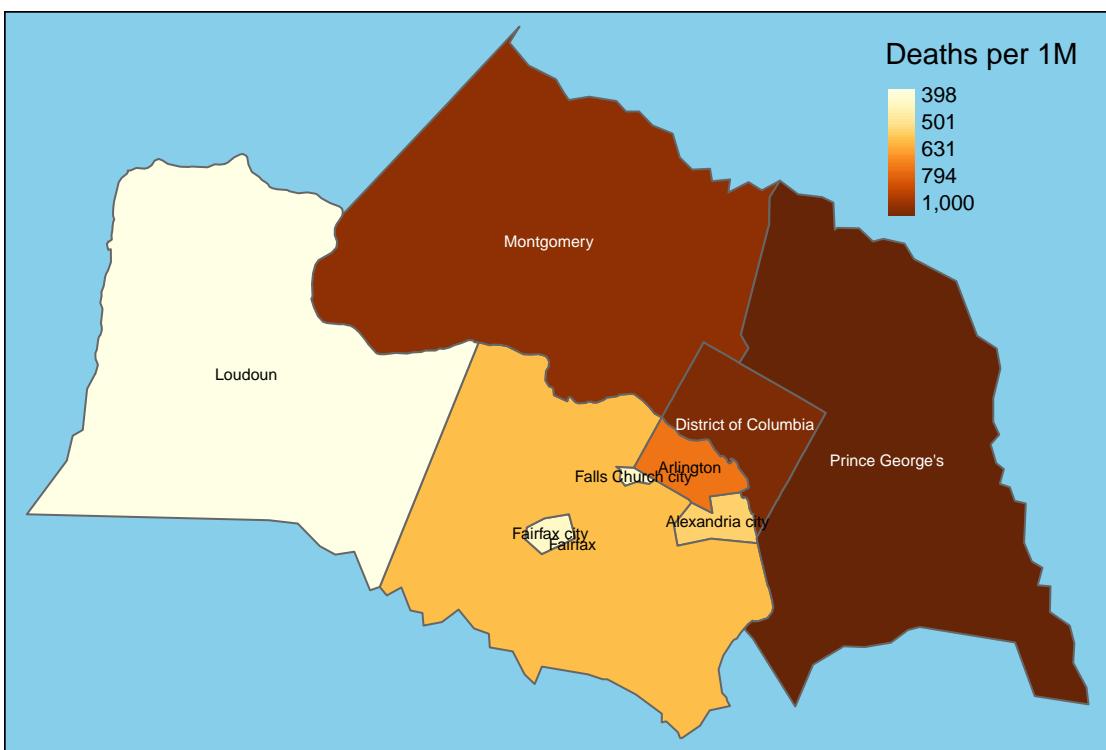
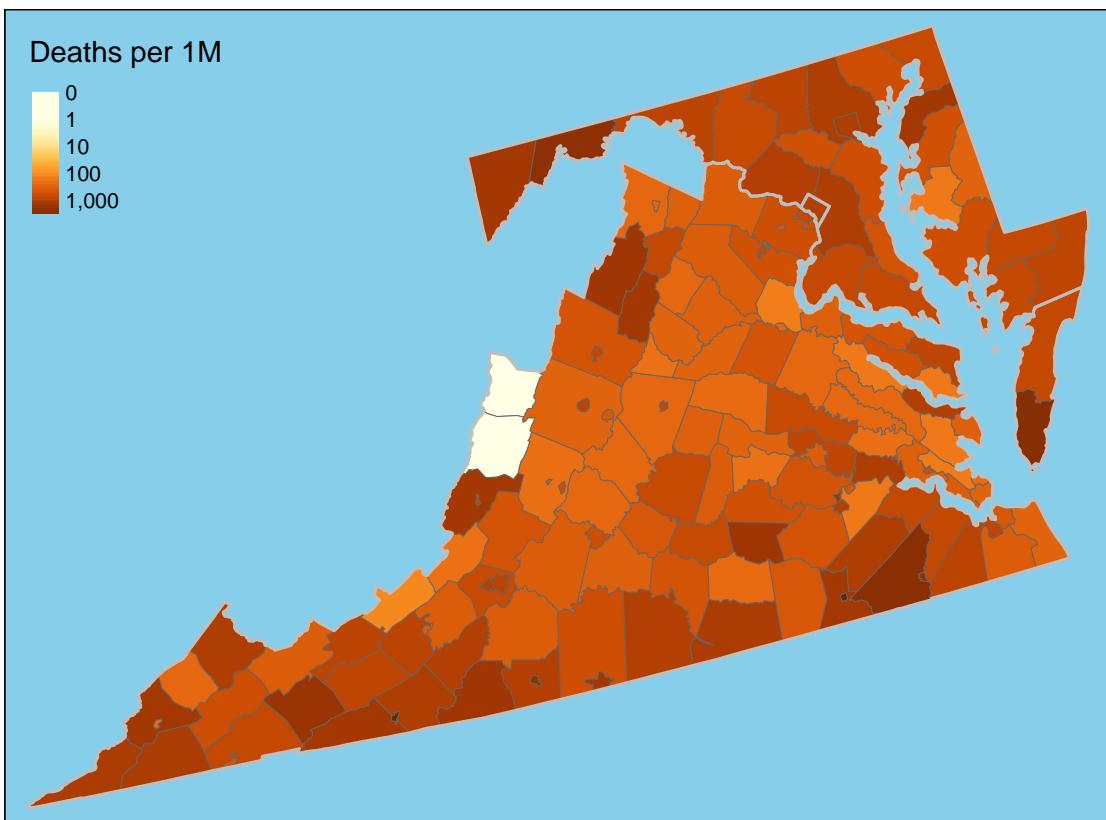


New Deaths

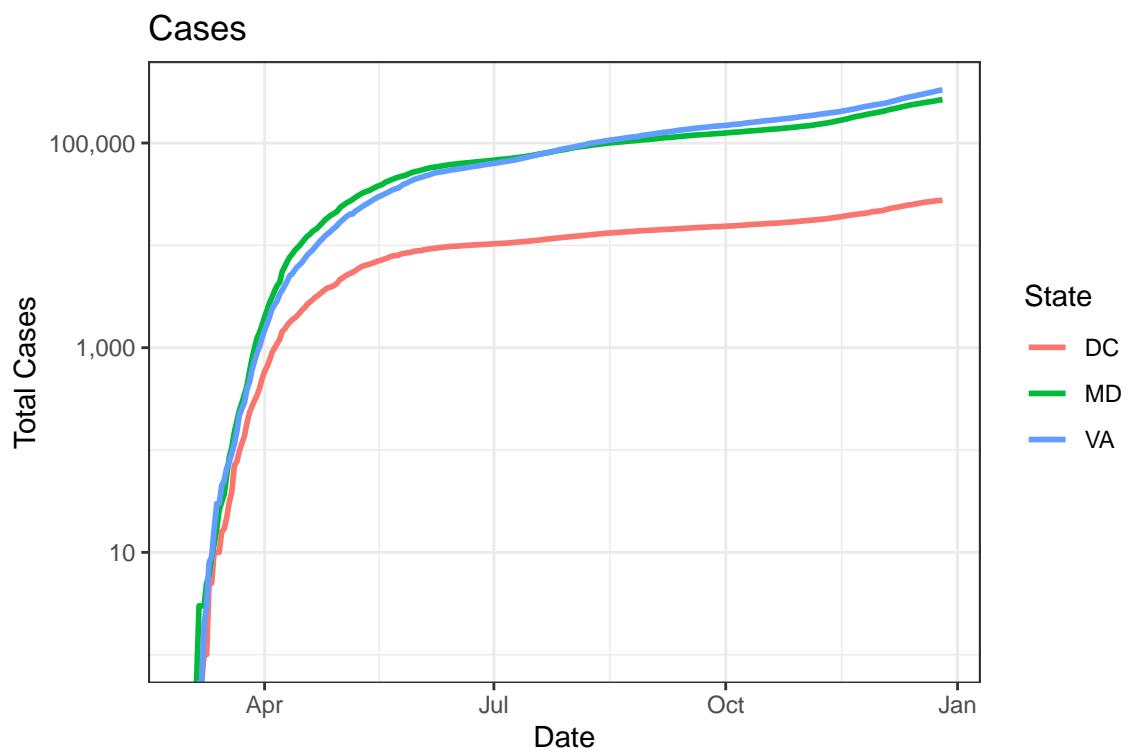


One-Week Change in Daily Deaths

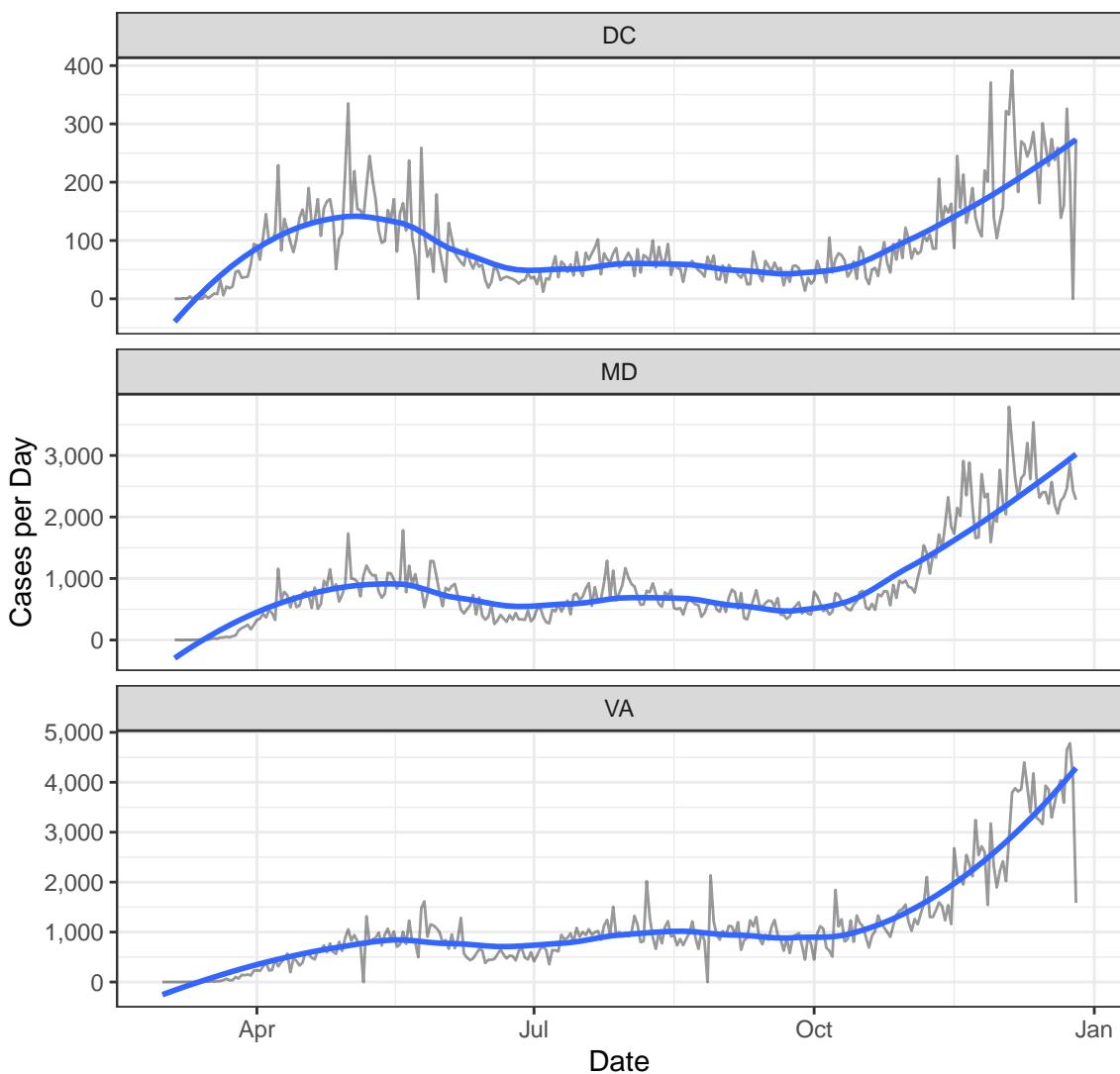




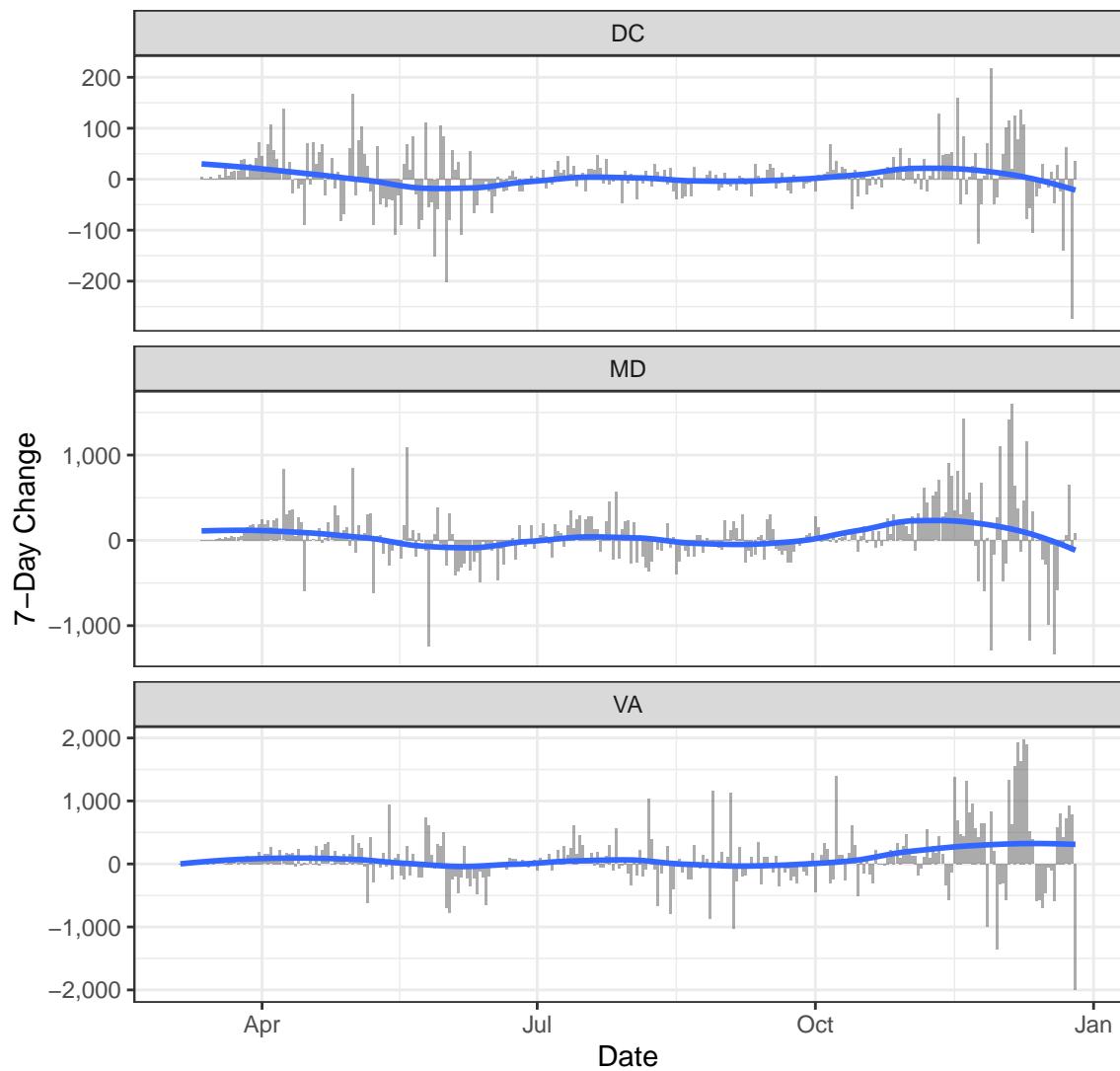
Cases

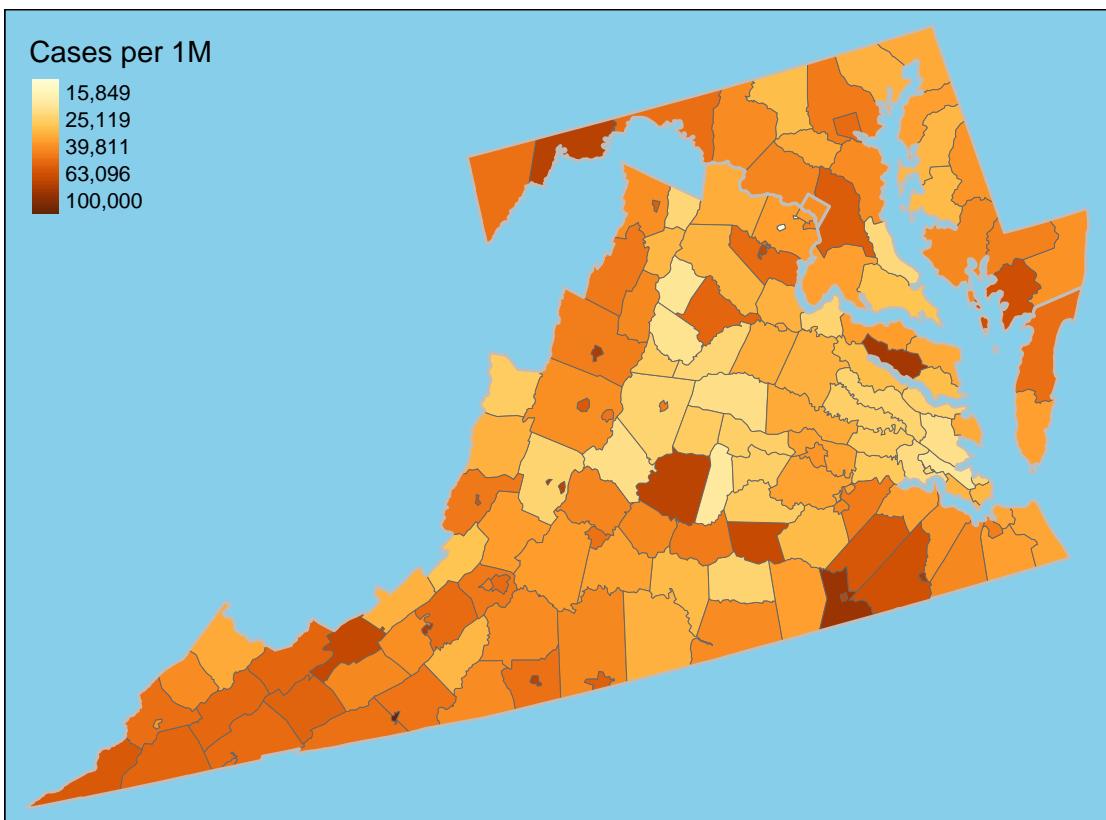


New Cases

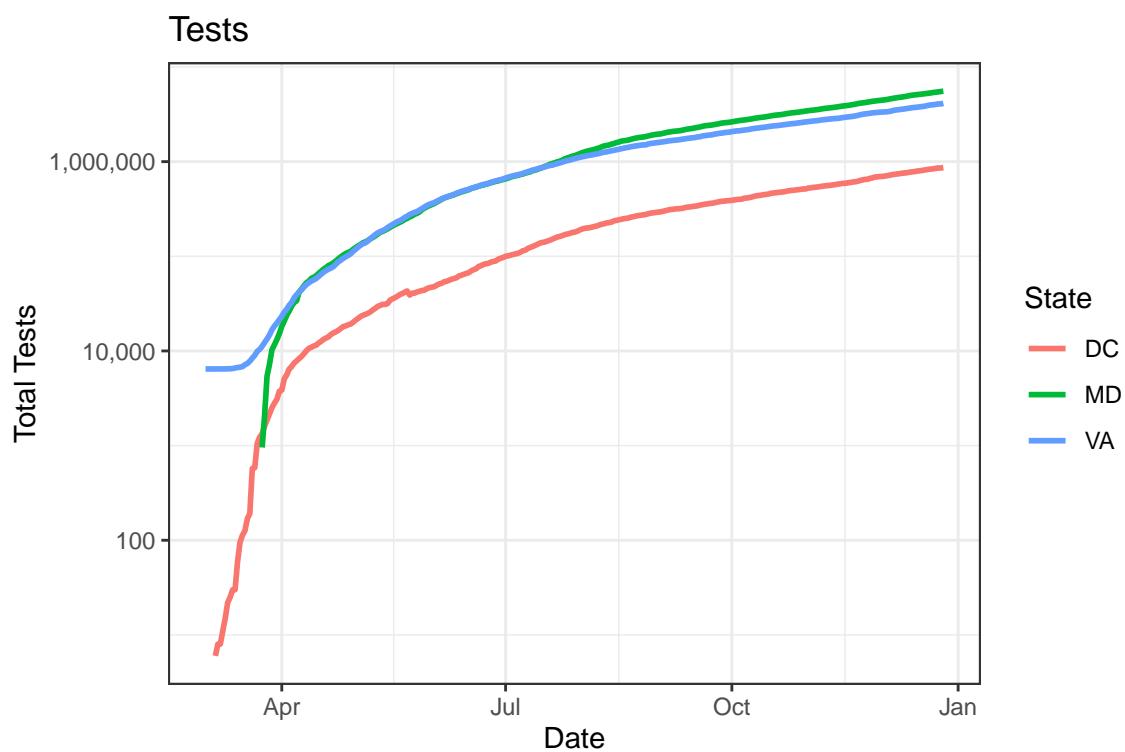


One-Week Change in Daily Cases

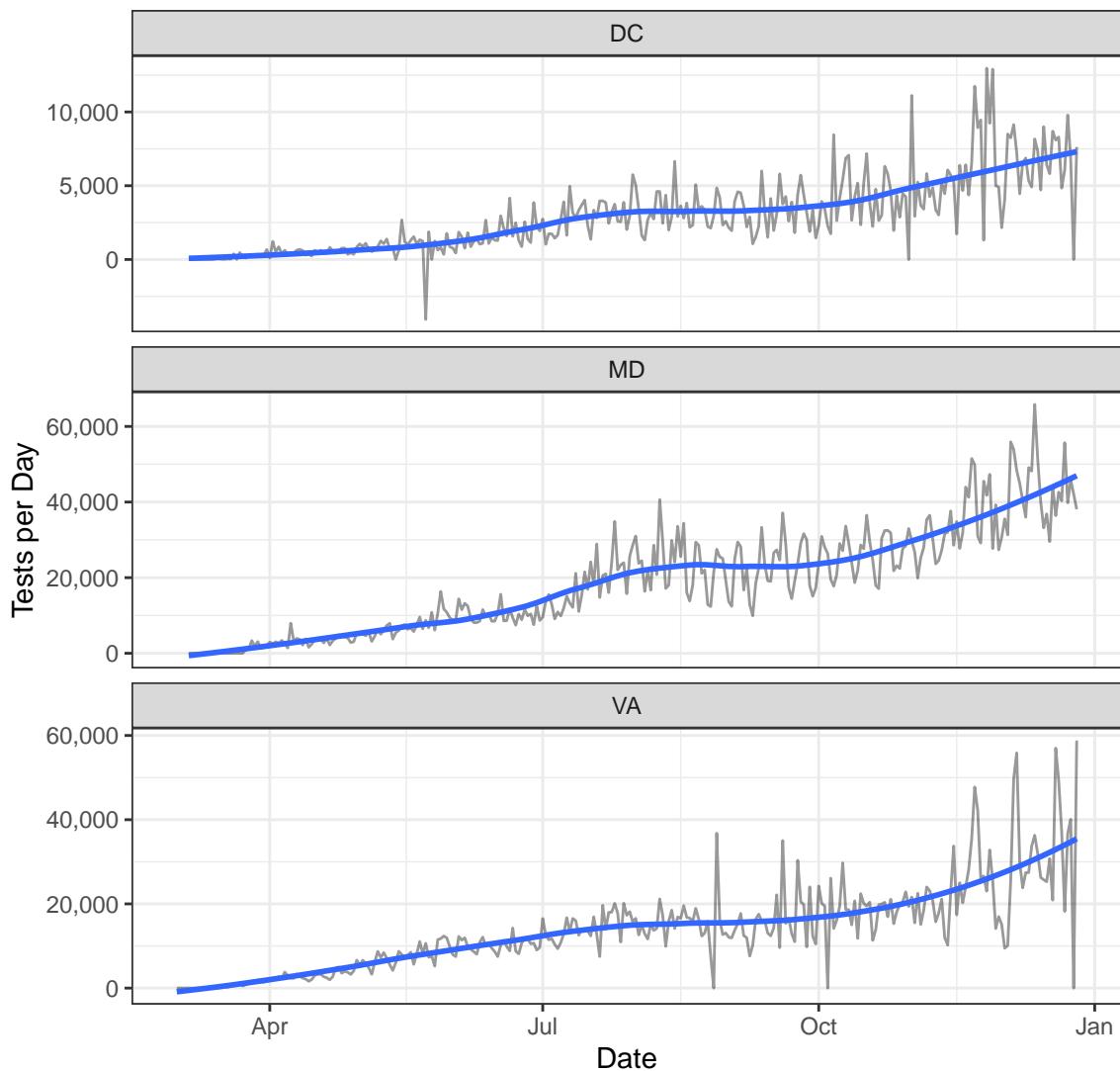




Testing



New Tests



Positive Test Rate

