

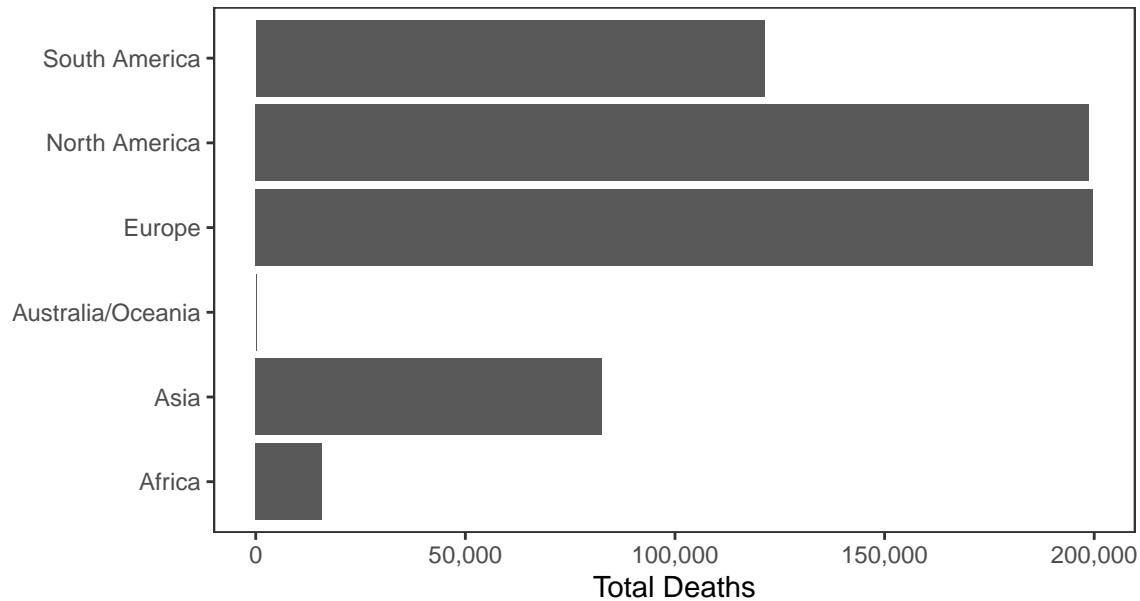
Erik's Covid-19 Chart Pack

Data updated 2020-07-22 18:20:46. 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 15,085,083 confirmed Covid-19 cases and 618,504 deaths worldwide.

Deaths



Cases

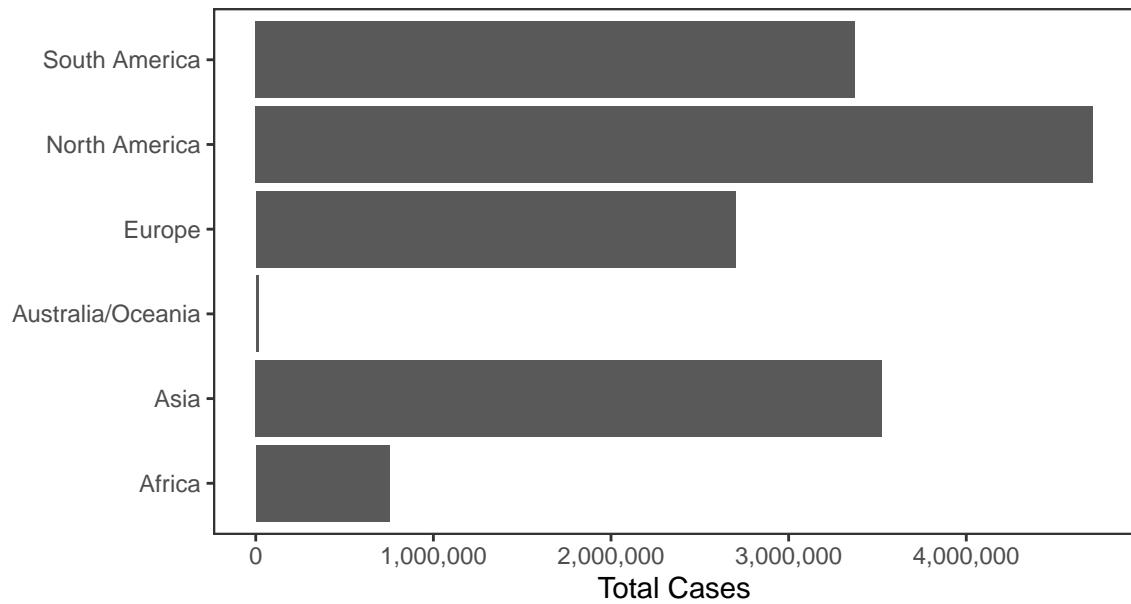
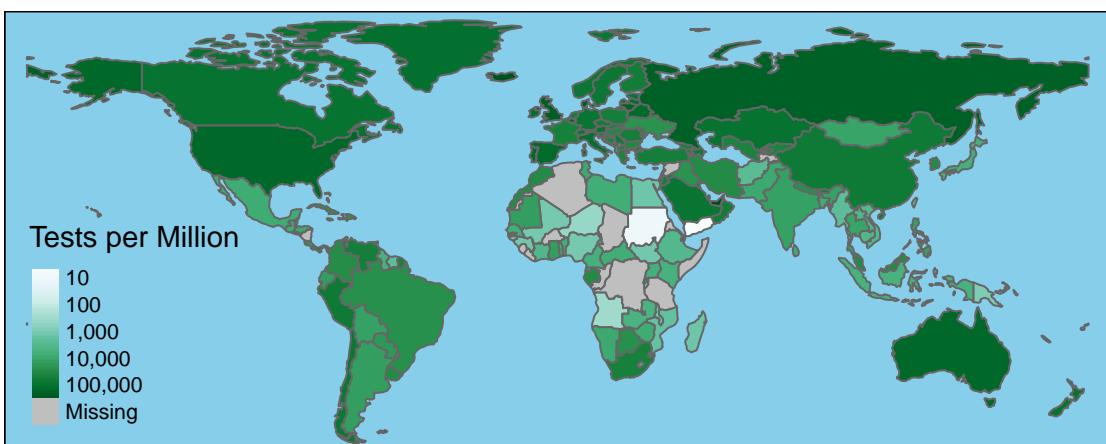
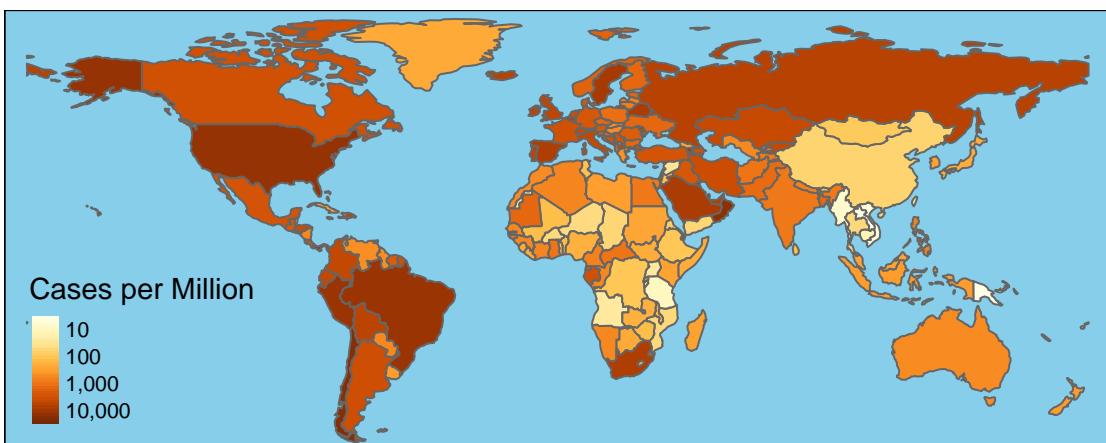
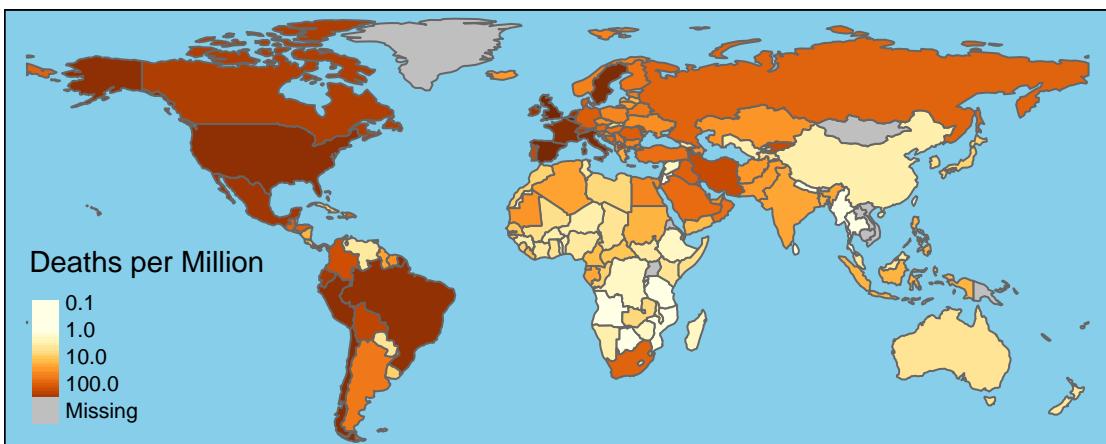


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	4,028,569	144,953	67,140	1,119
Brazil	2,166,532	81,597	44,887	1,346
India	1,194,085	28,770	39,168	671
Russia	783,328	12,580	5,842	153
South Africa	381,798	5,368	8,170	195
Peru	362,087	13,579	4,406	195
Mexico	349,396	39,485	5,172	301
Chile	334,683	8,677	1,654	44
Spain	313,274	28,424	1,358	2
UK	295,817	45,422	445	110
Iran	278,827	14,634	2,625	229
Pakistan	266,096	5,639	1,013	40
Saudi Arabia	255,825	2,557	2,476	34
Italy	244,752	35,073	128	15
Turkey	221,500	5,526	928	18
Colombia	211,038	7,166	7,033	237
Bangladesh	210,510	2,709	3,057	41
Germany	203,890	9,180	403	7
France	177,338	30,165	584	13
Argentina	136,118	2,490	5,344	117



National Data

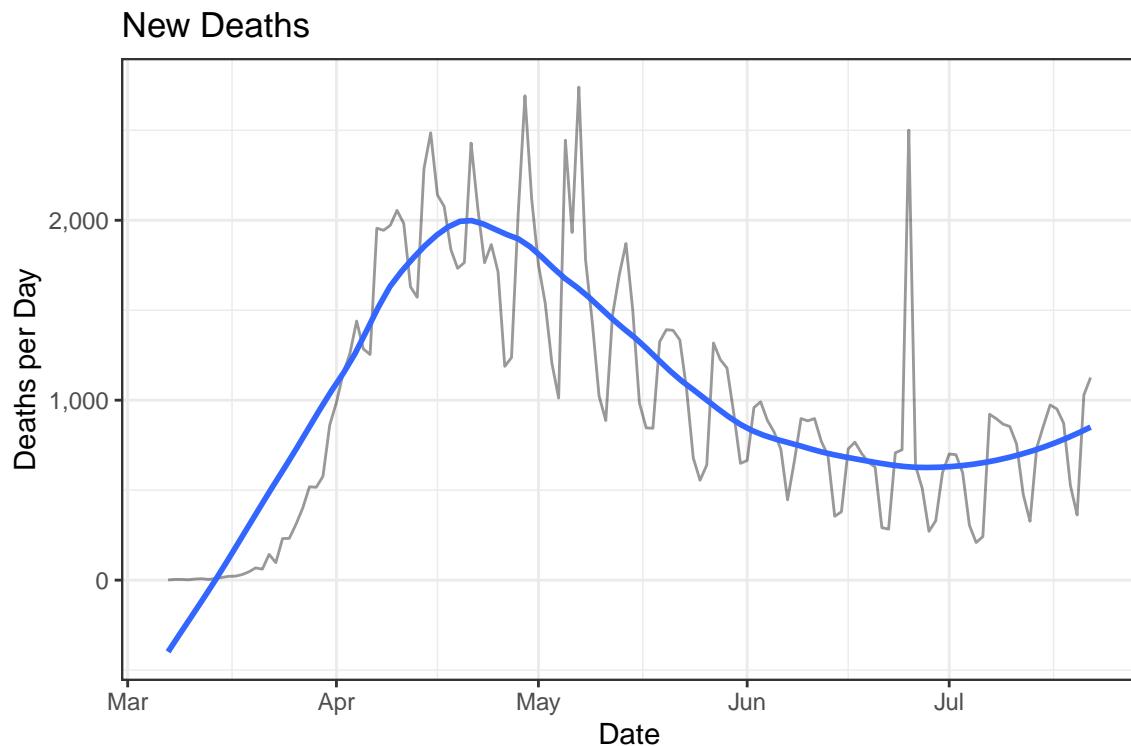
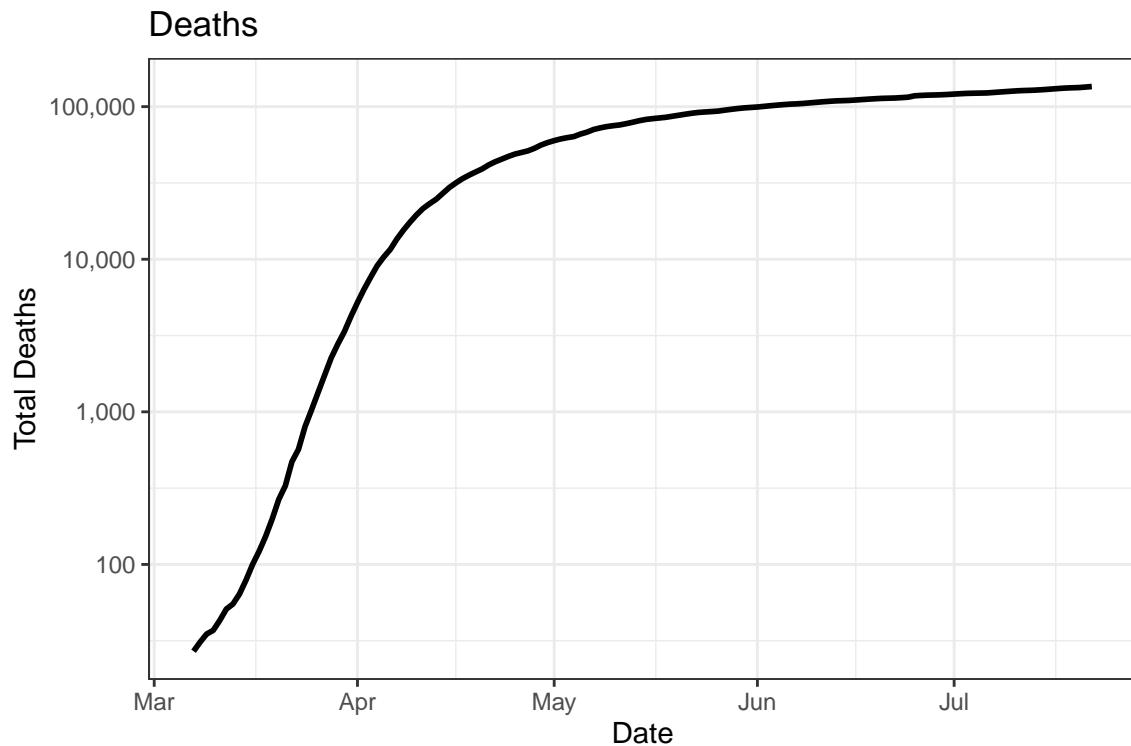
There have been 3,946,708 confirmed Covid-19 cases and 135,438 deaths in the United States.

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

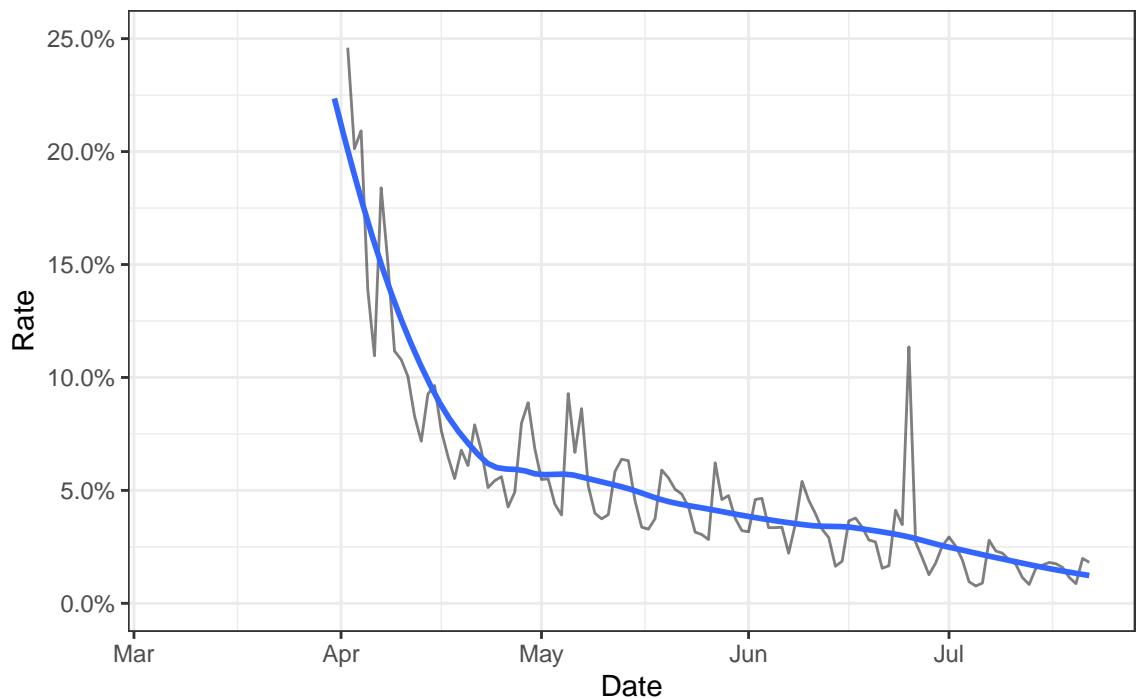
Date	Cases	Deaths	New Cases	New Deaths
2020-07-22	3,946,708	135,438	70,043	1,126
2020-07-21	3,876,665	134,312	62,749	1,029
2020-07-20	3,813,916	133,283	56,971	362
2020-07-19	3,756,945	132,921	64,884	526
2020-07-18	3,692,061	132,395	65,180	872
2020-07-17	3,626,881	131,523	77,233	951
2020-07-16	3,549,648	130,572	70,953	974
2020-07-15	3,478,695	129,598	65,382	858
2020-07-14	3,413,313	128,740	62,879	736
2020-07-13	3,350,434	128,004	58,465	327
2020-07-12	3,291,969	127,677	60,978	476
2020-07-11	3,230,991	127,201	63,007	757
2020-07-10	3,167,984	126,444	66,645	854
2020-07-09	3,101,339	125,590	58,836	867

Deaths

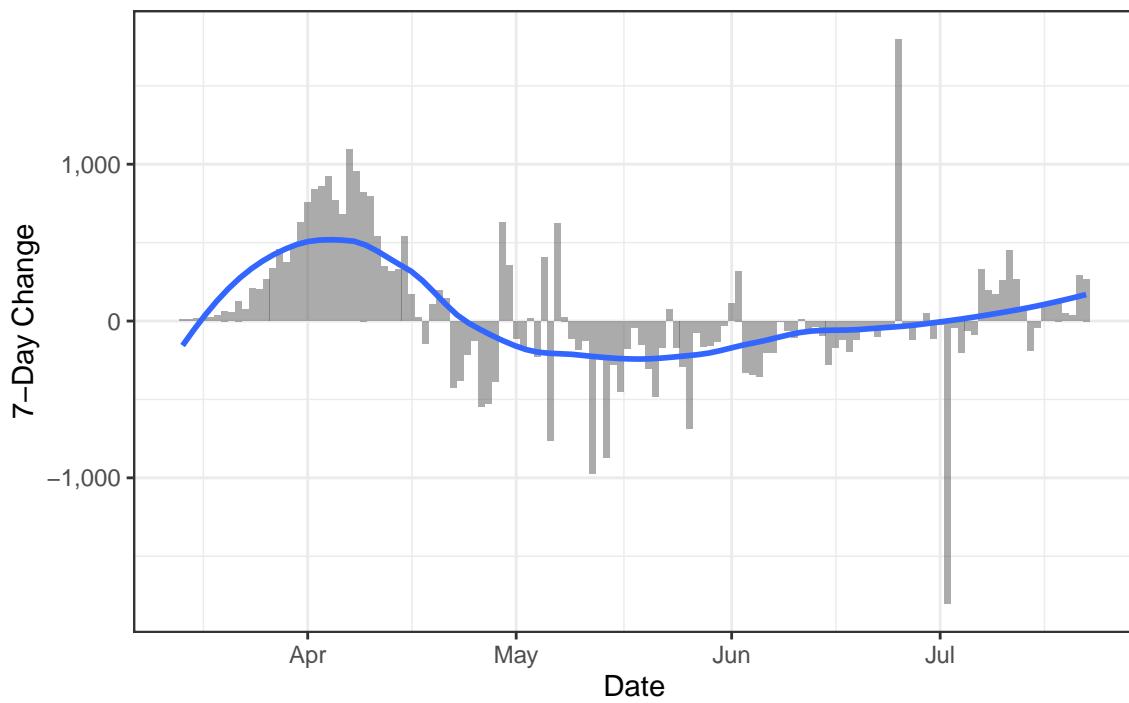
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

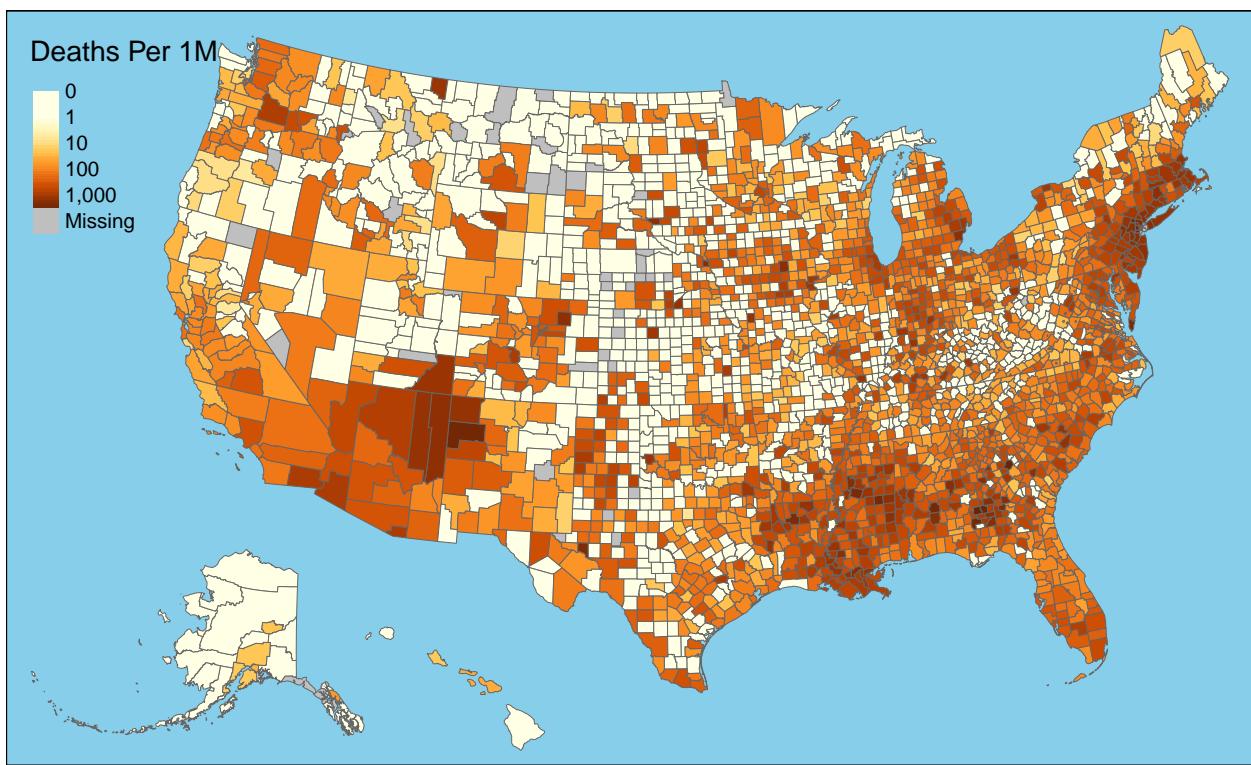


Daily Case Mortality Rate



One-Week Change in Daily Deaths

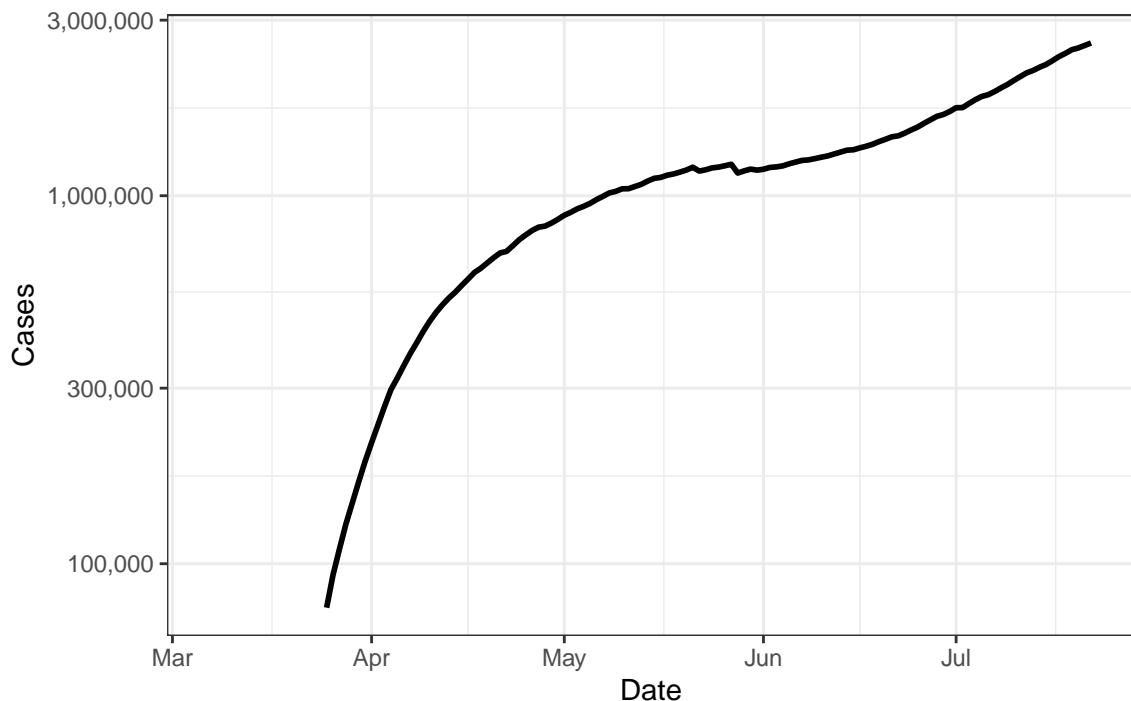




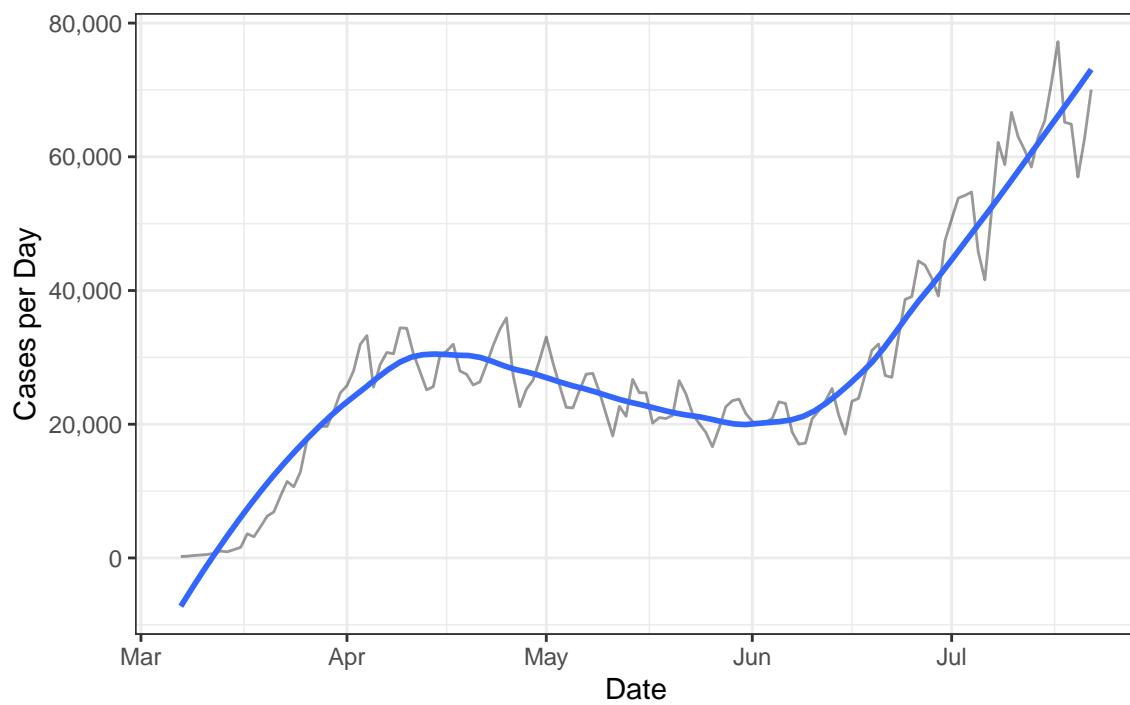
Cases

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

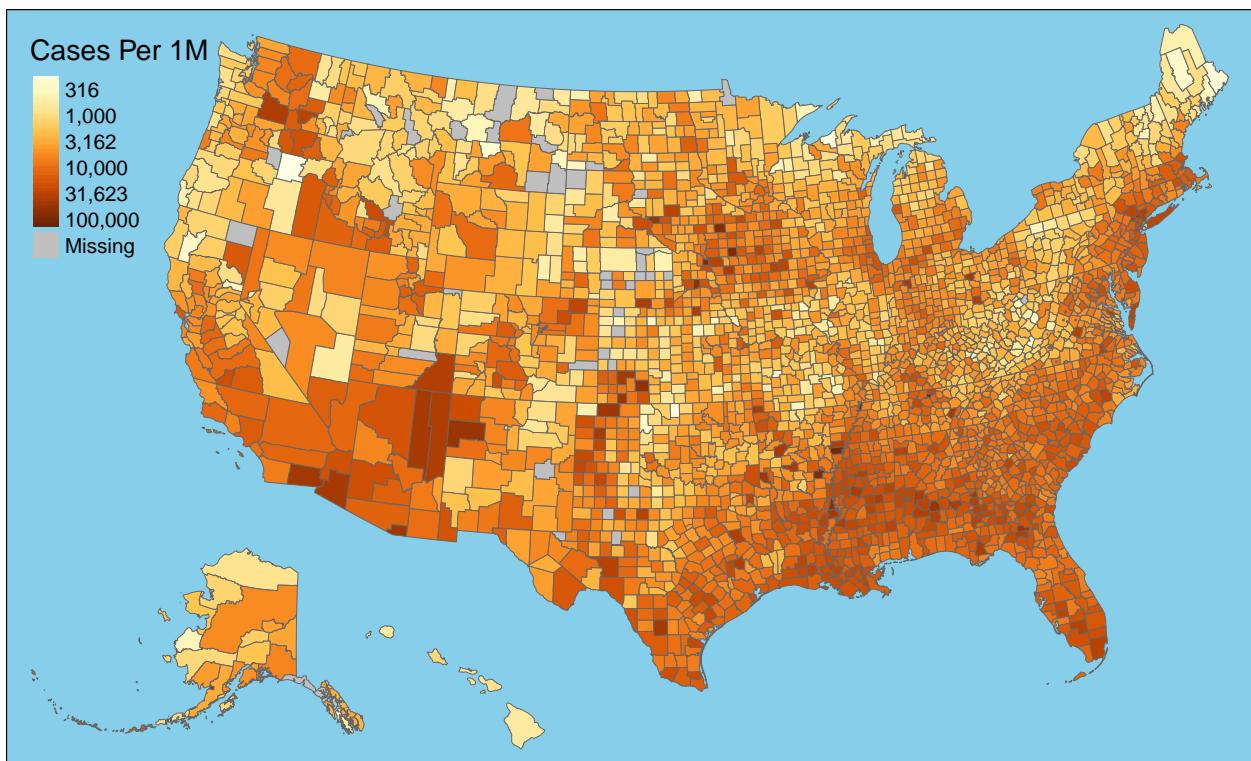
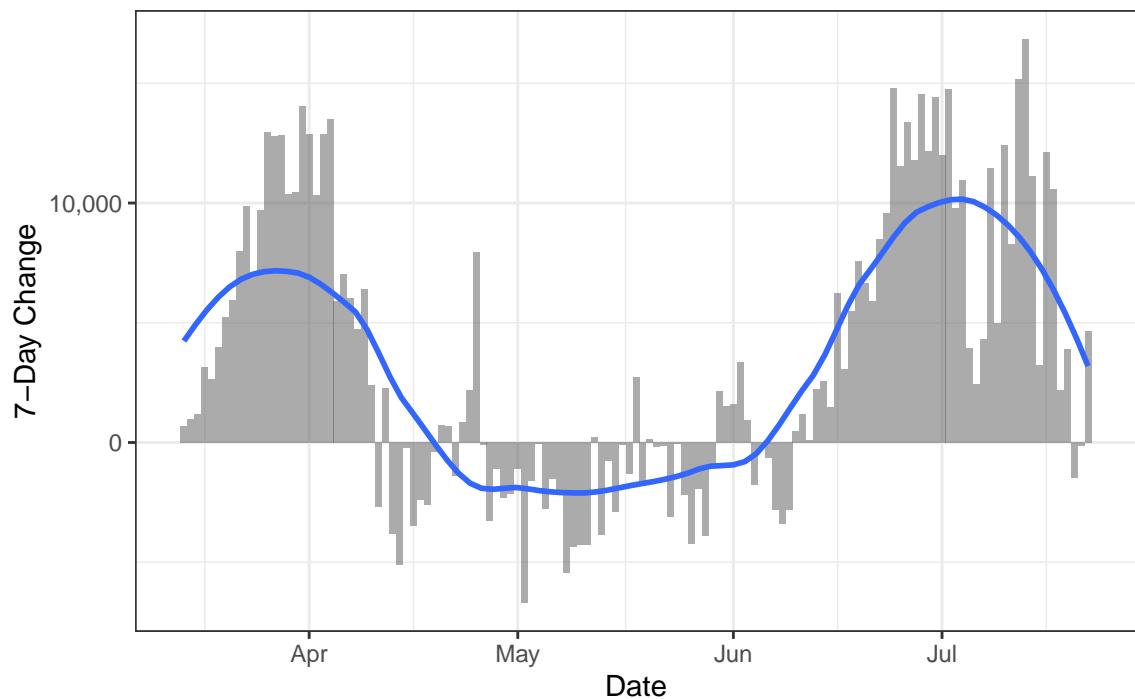
Active Cases



New Cases

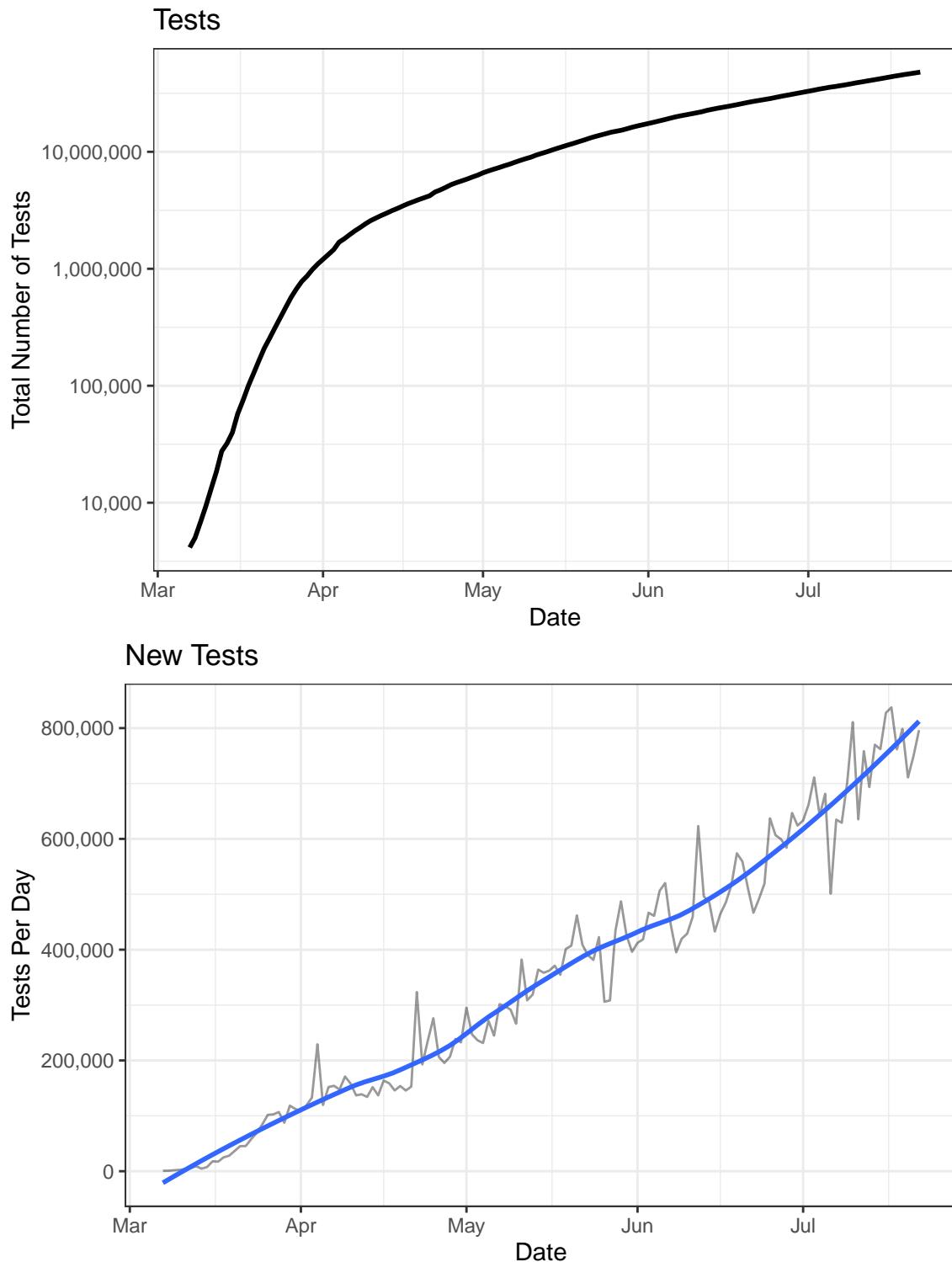


One-Week Change in Daily Cases

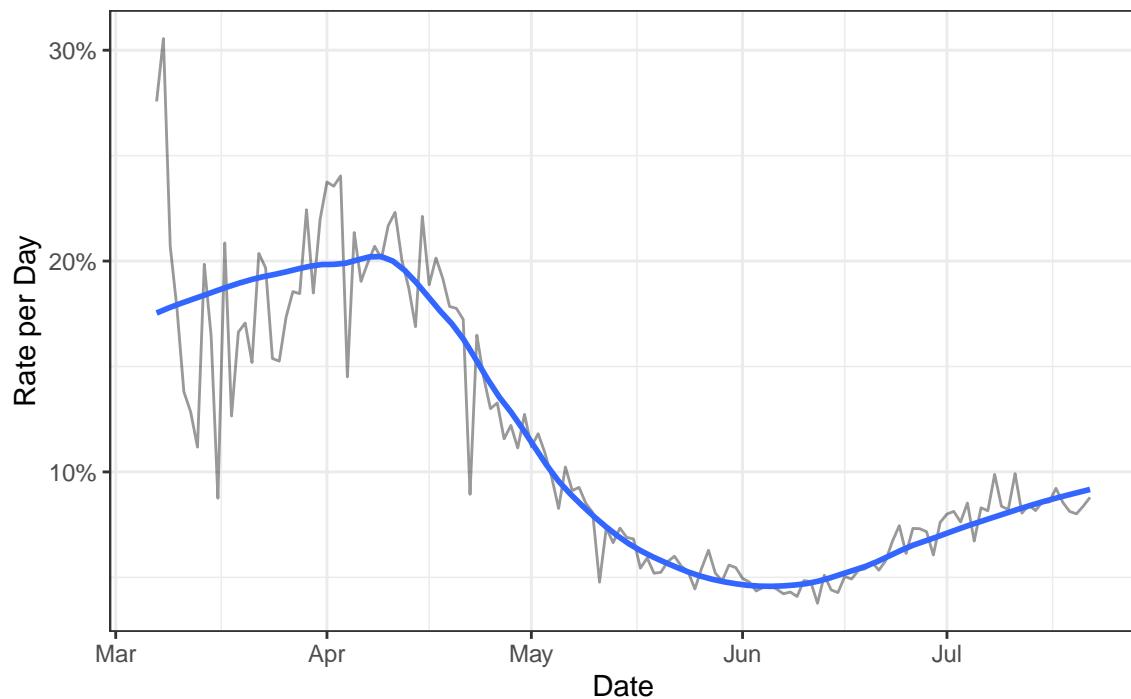


Testing

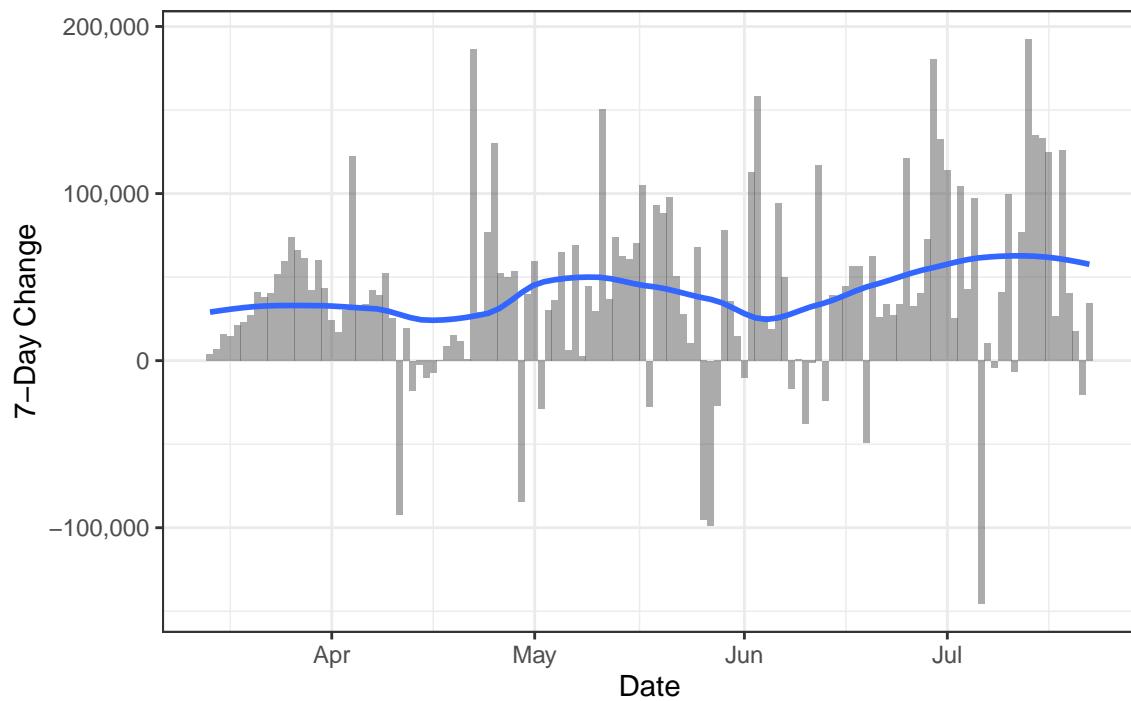
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

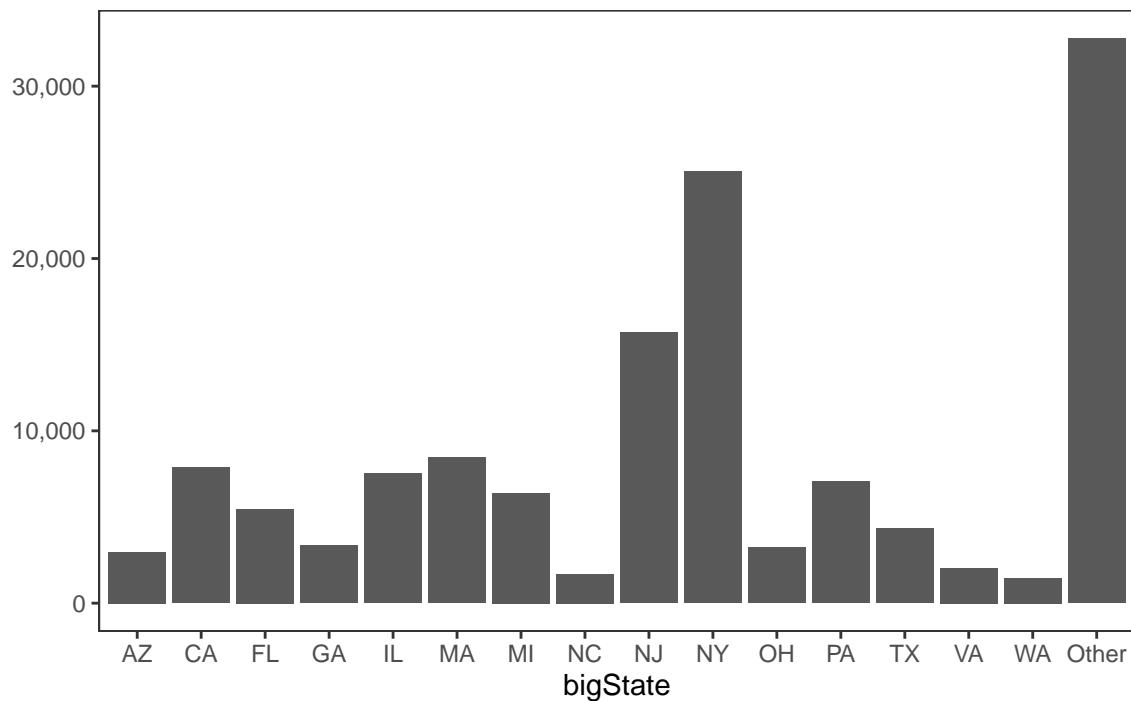


State Data

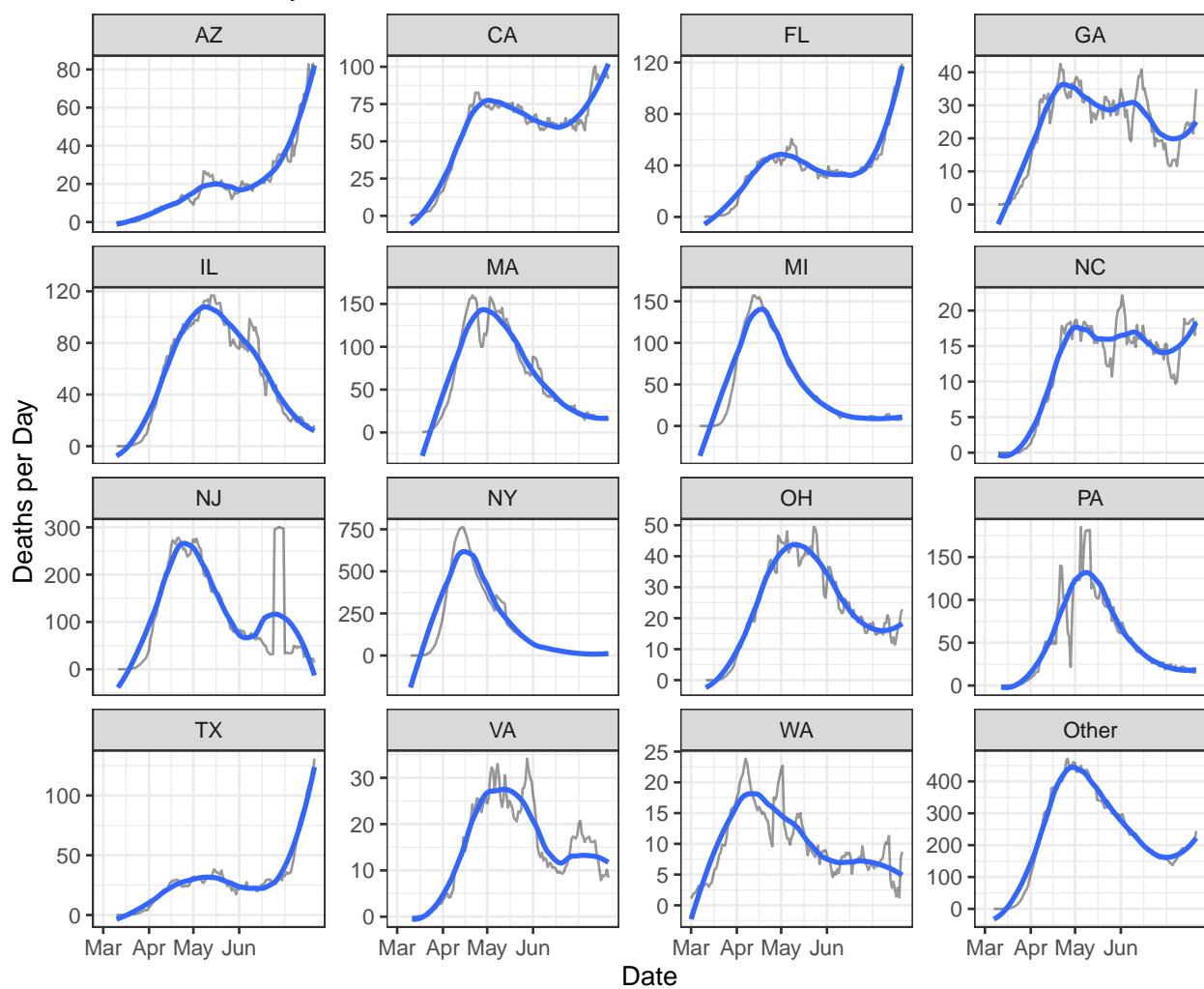
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

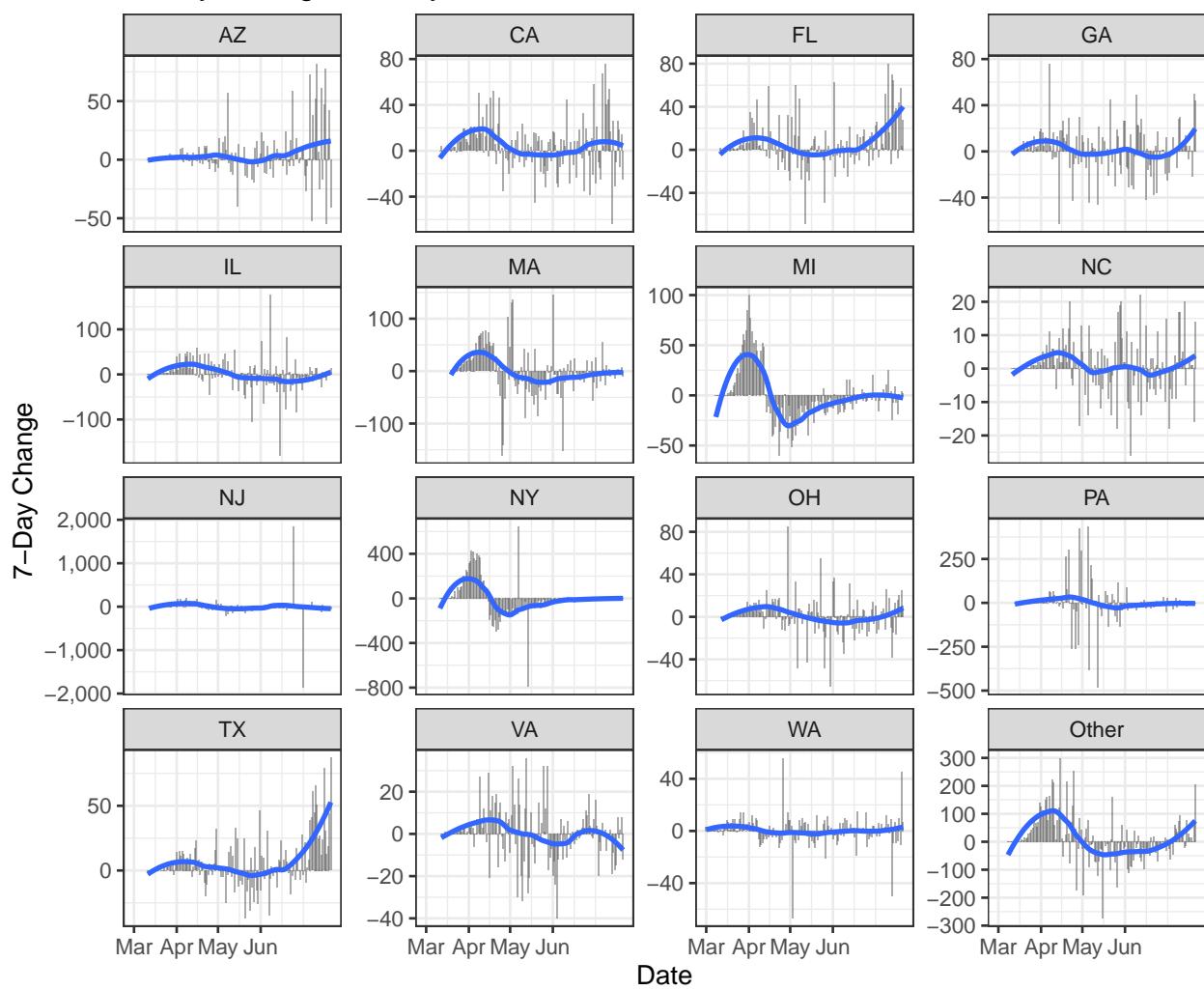
Deaths by State

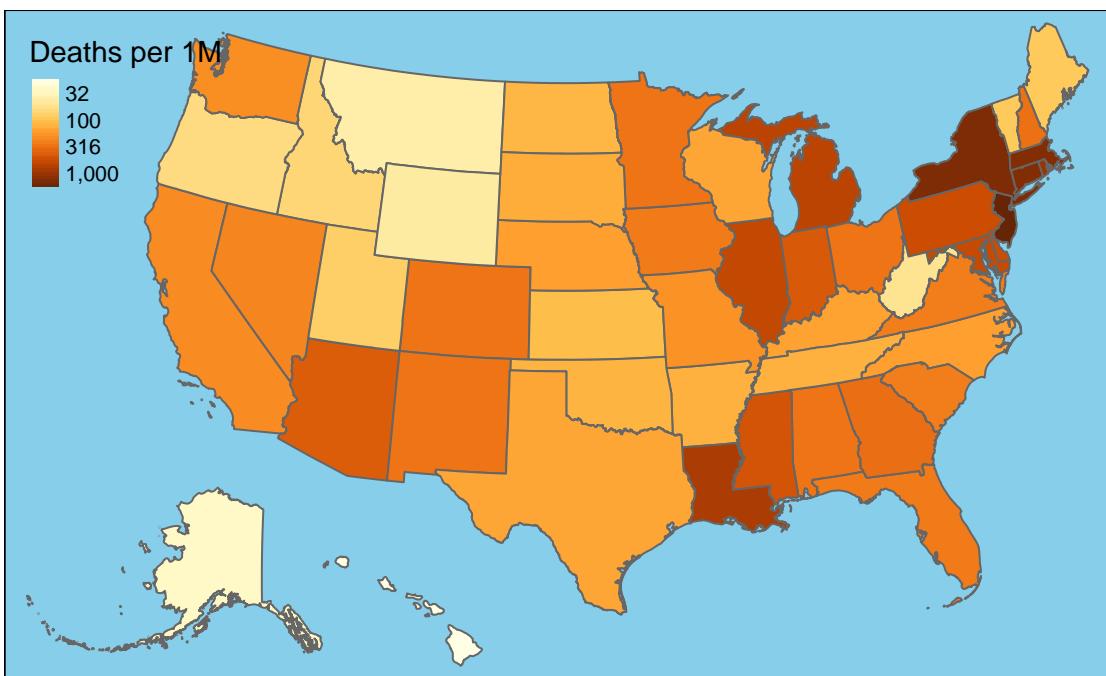
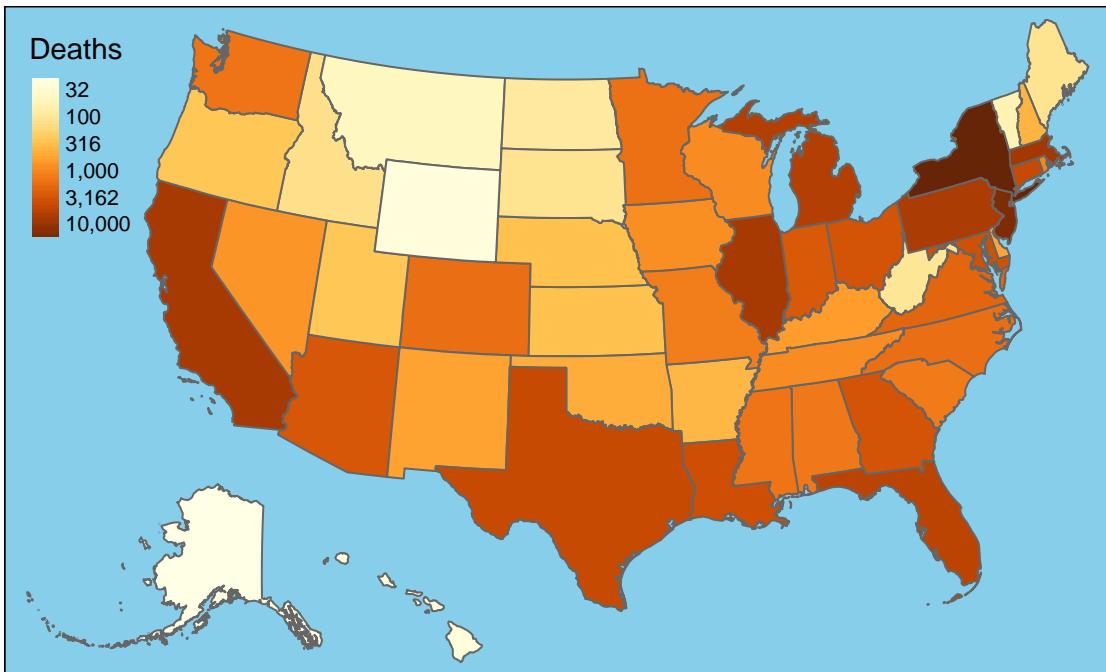


New Deaths by State



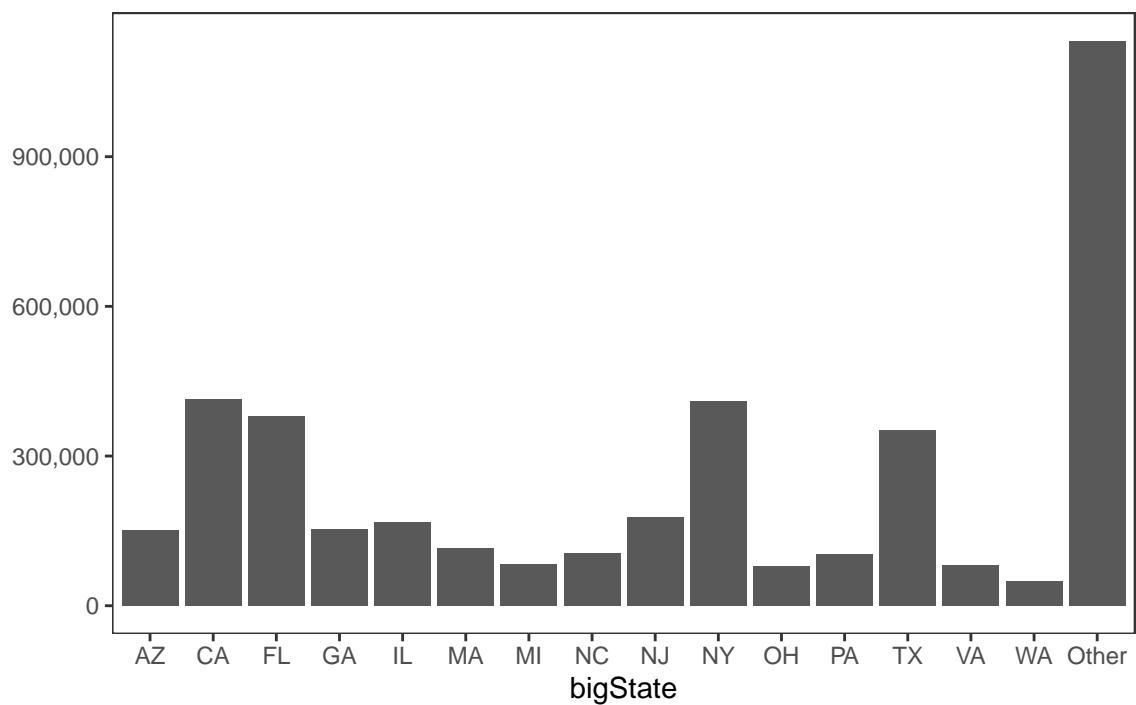
7-Day Change in Daily Deaths



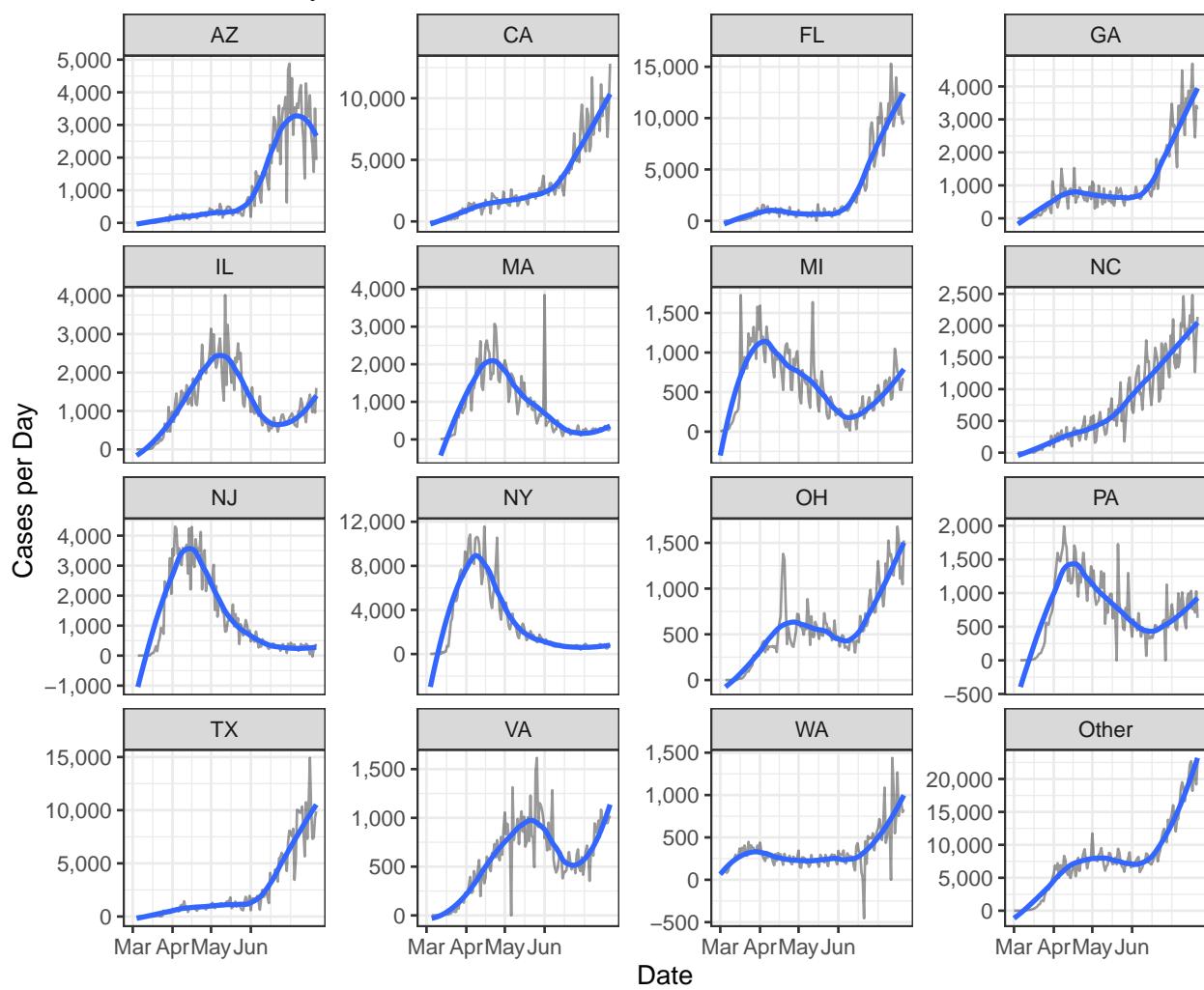


Cases

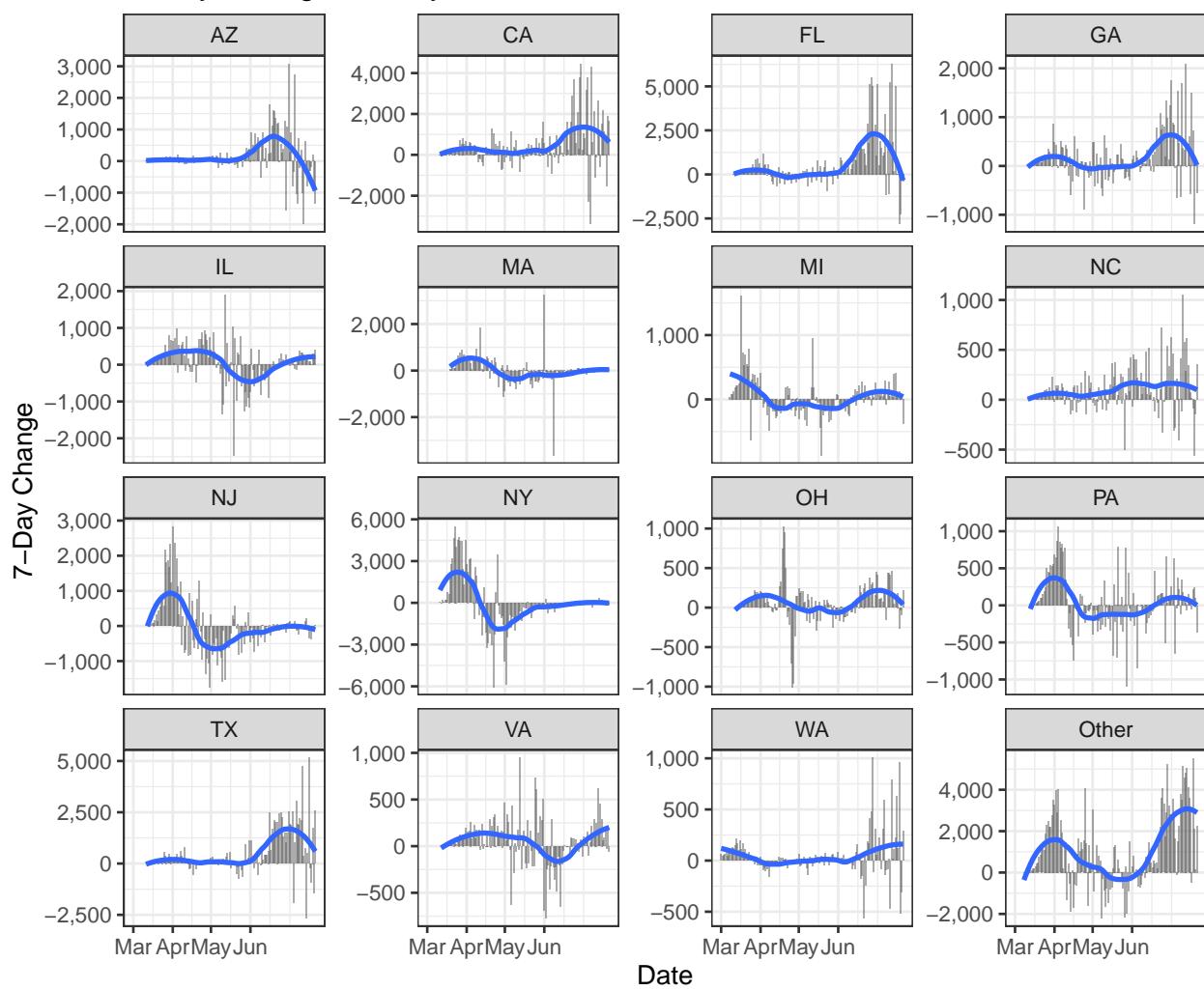
Cases by State

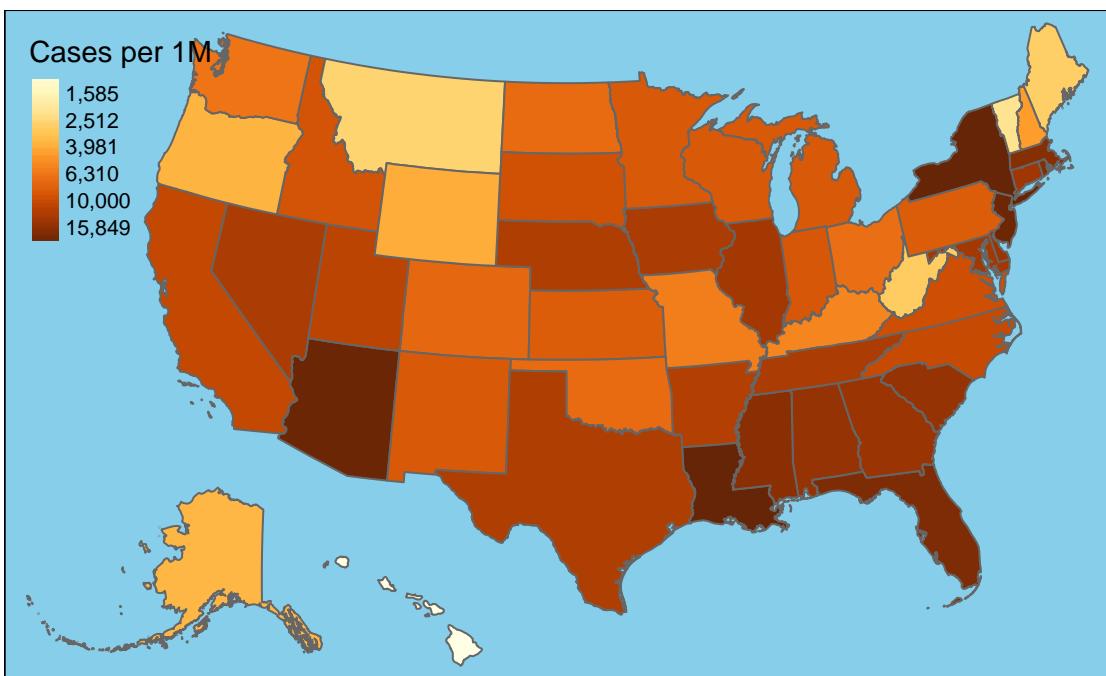
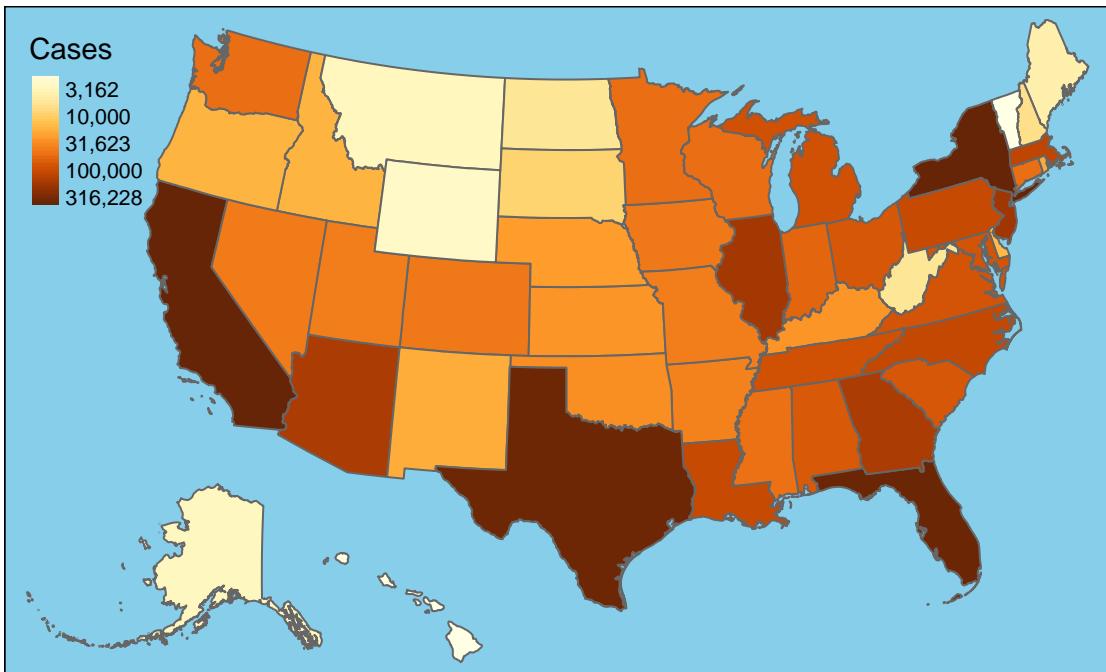


New Cases by State

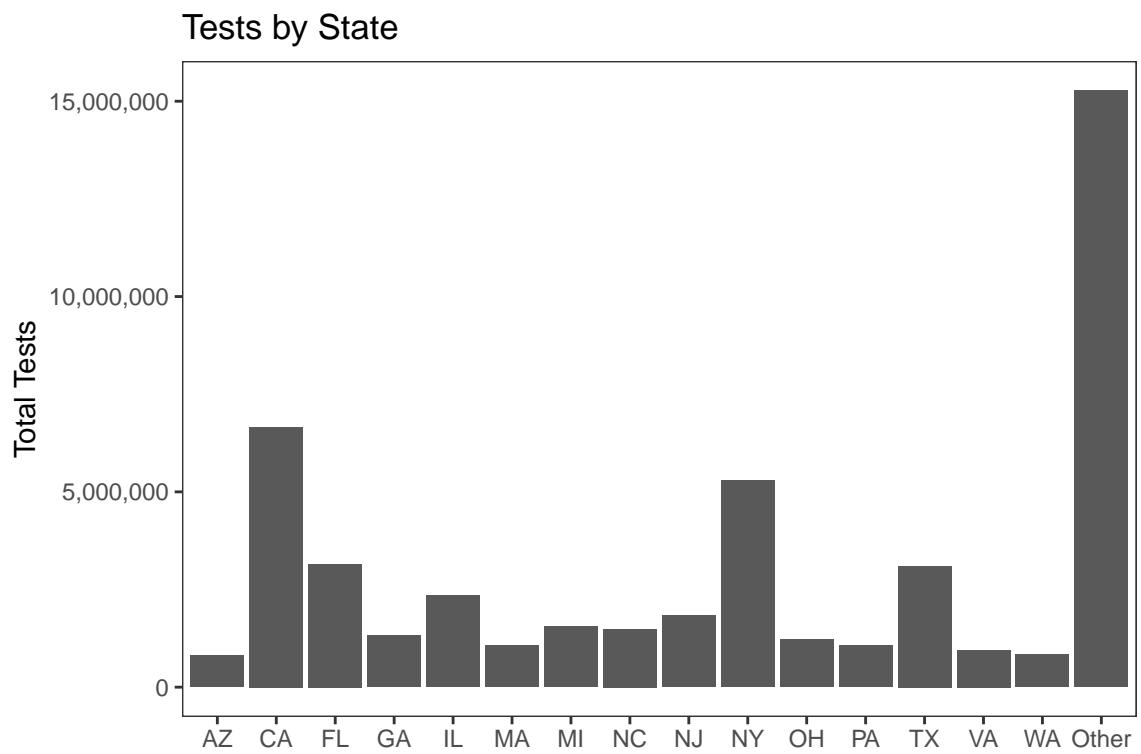


7-Day Change in Daily Cases

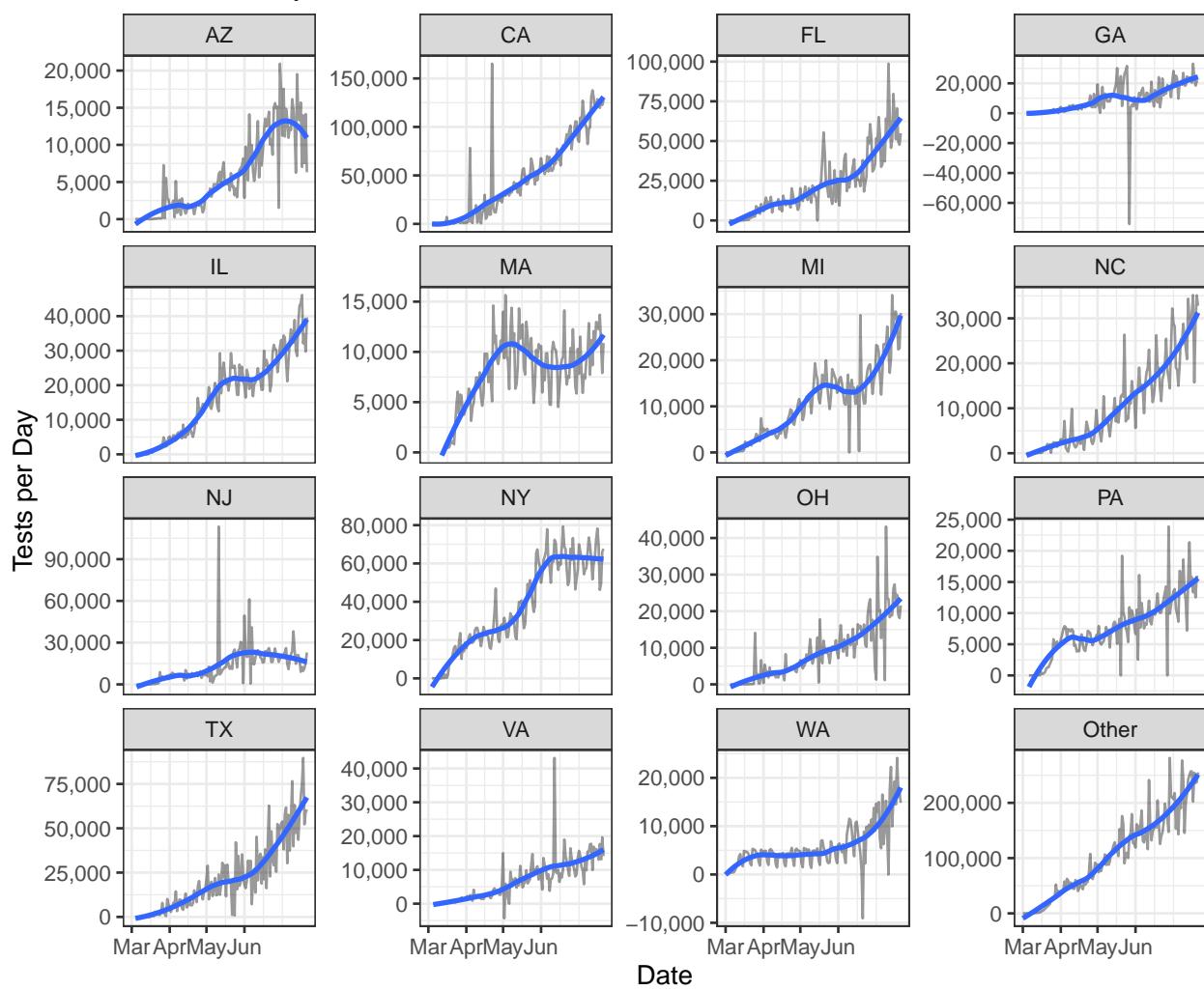


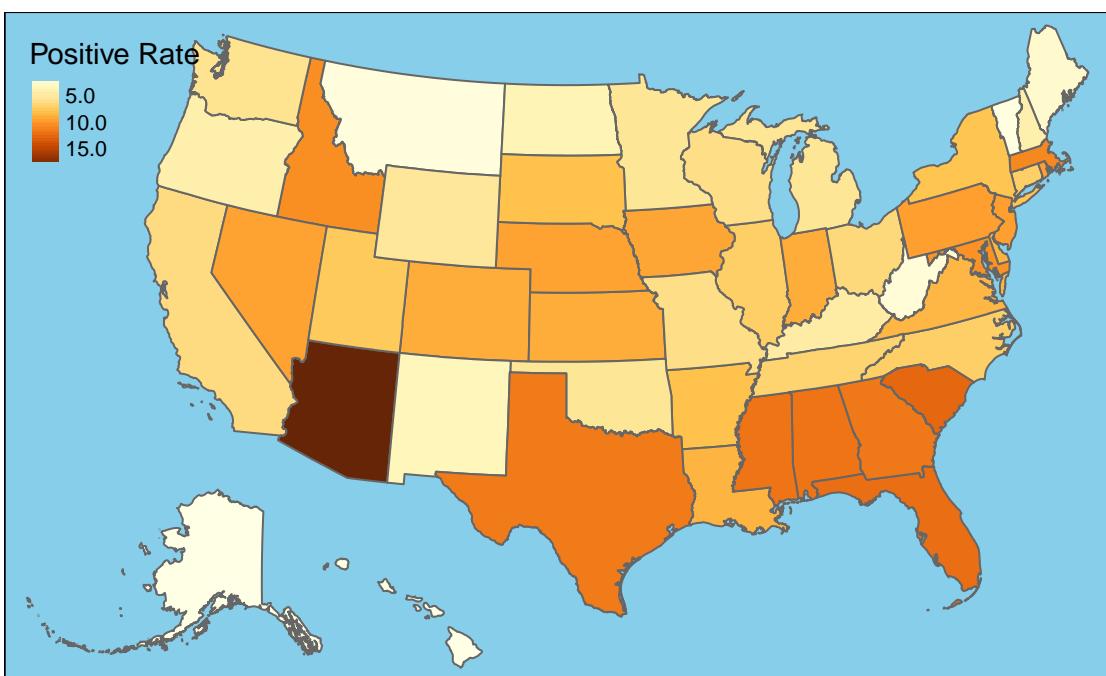
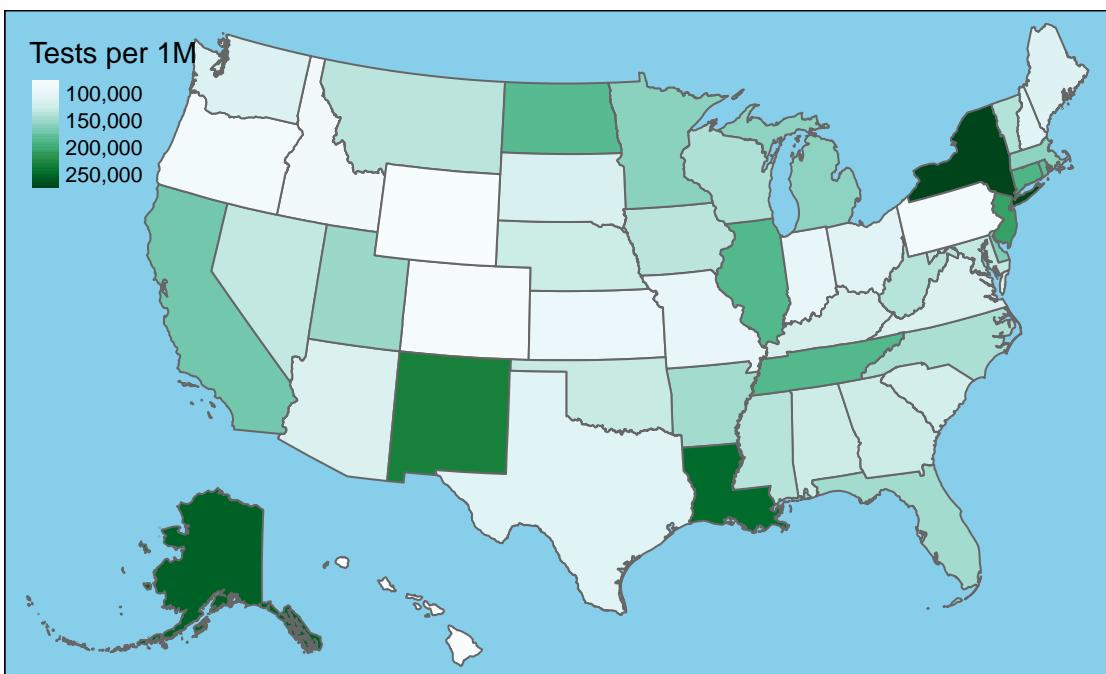


Testing



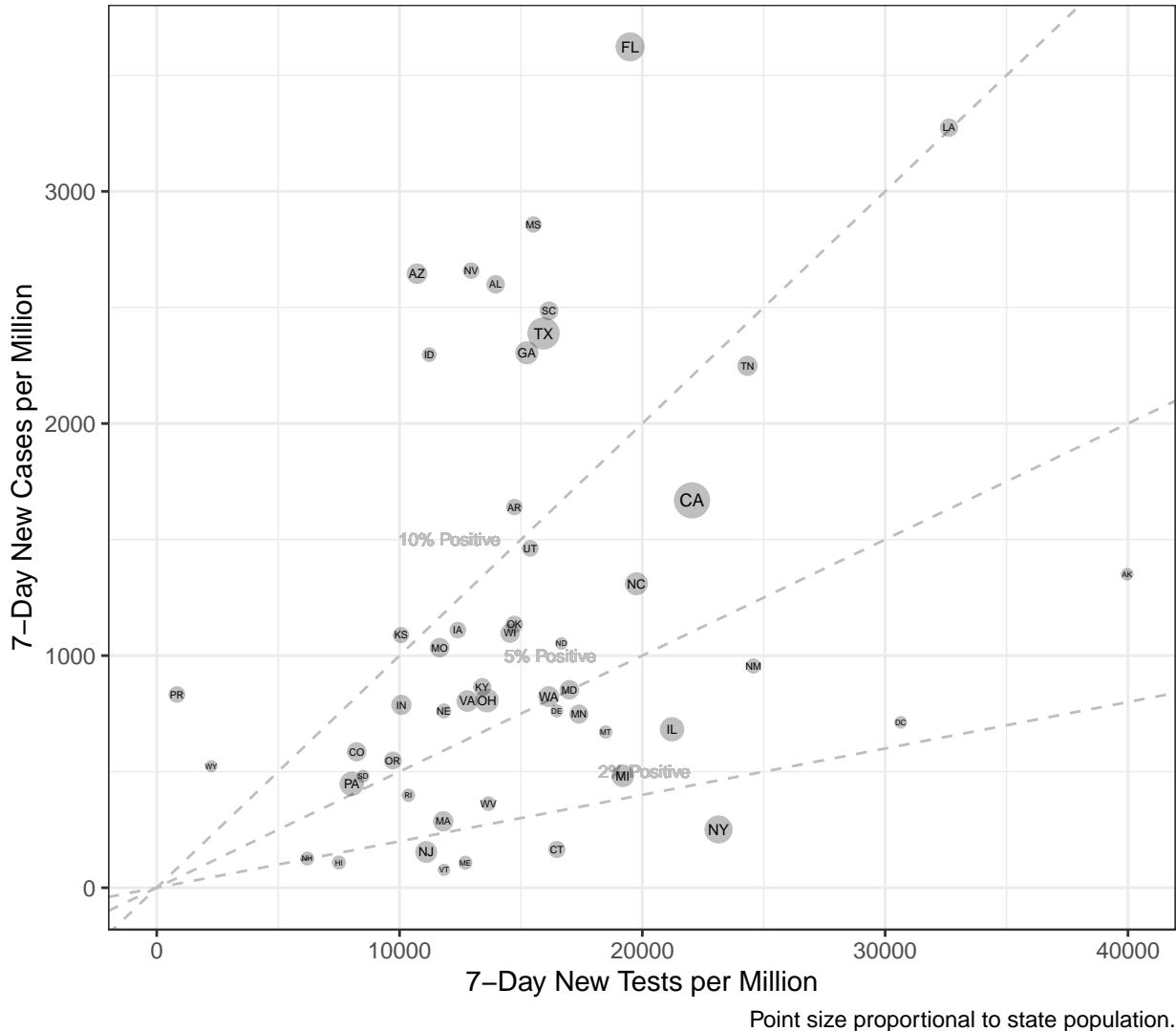
New Tests by State





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.

Tests vs. Cases by State



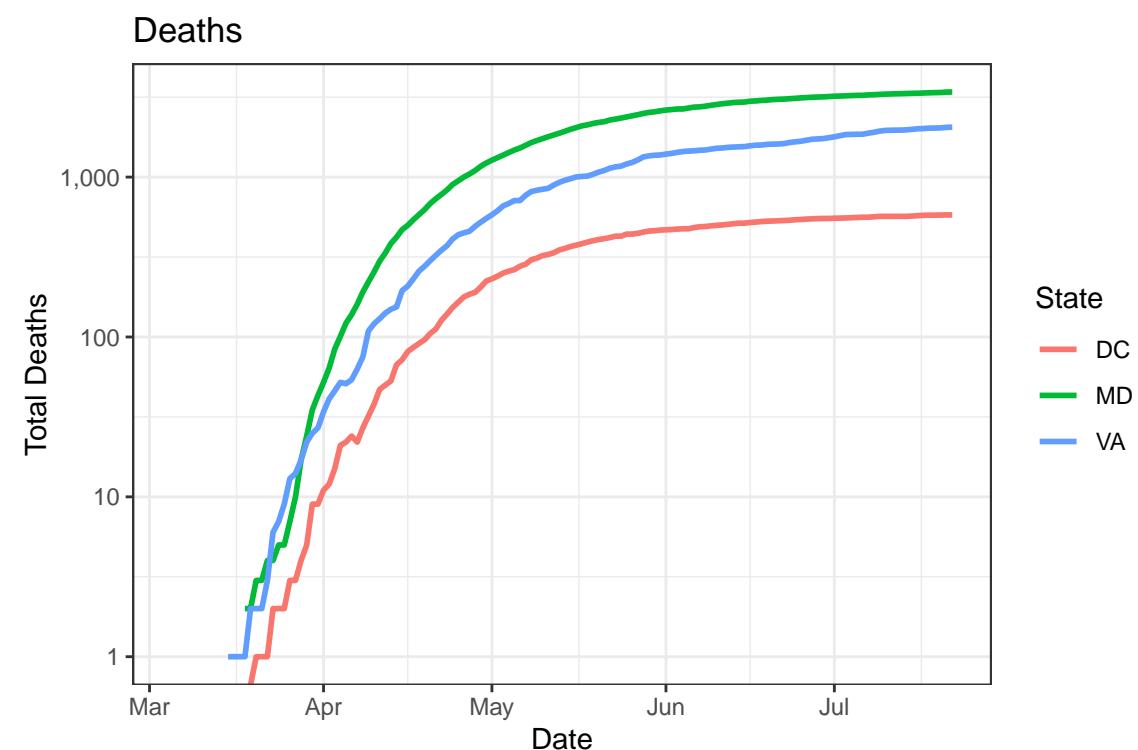
Local Data

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

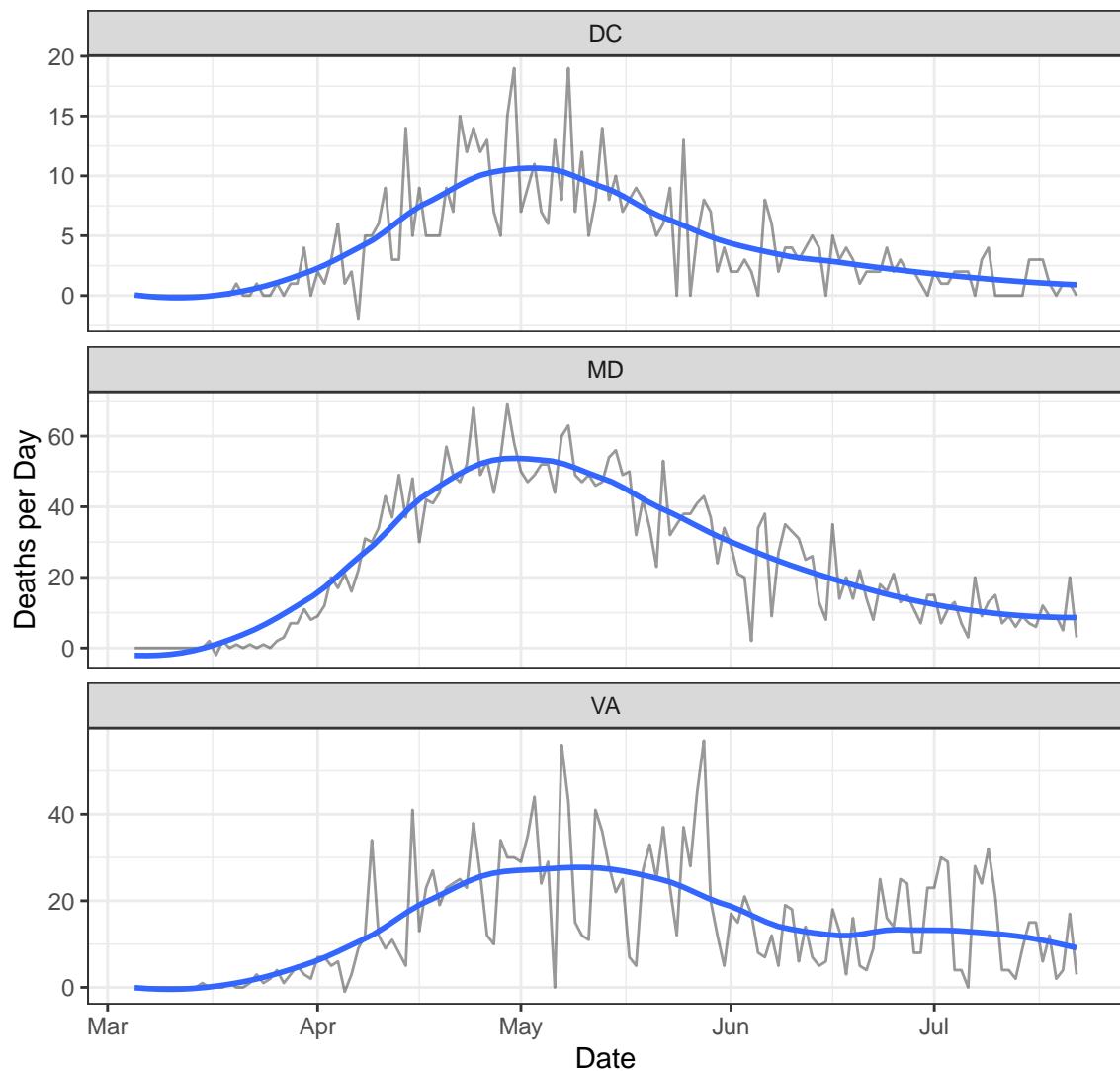
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,529	580	102	0
MD	80,172	3,405	627	3
VA	80,393	2,051	1,022	3

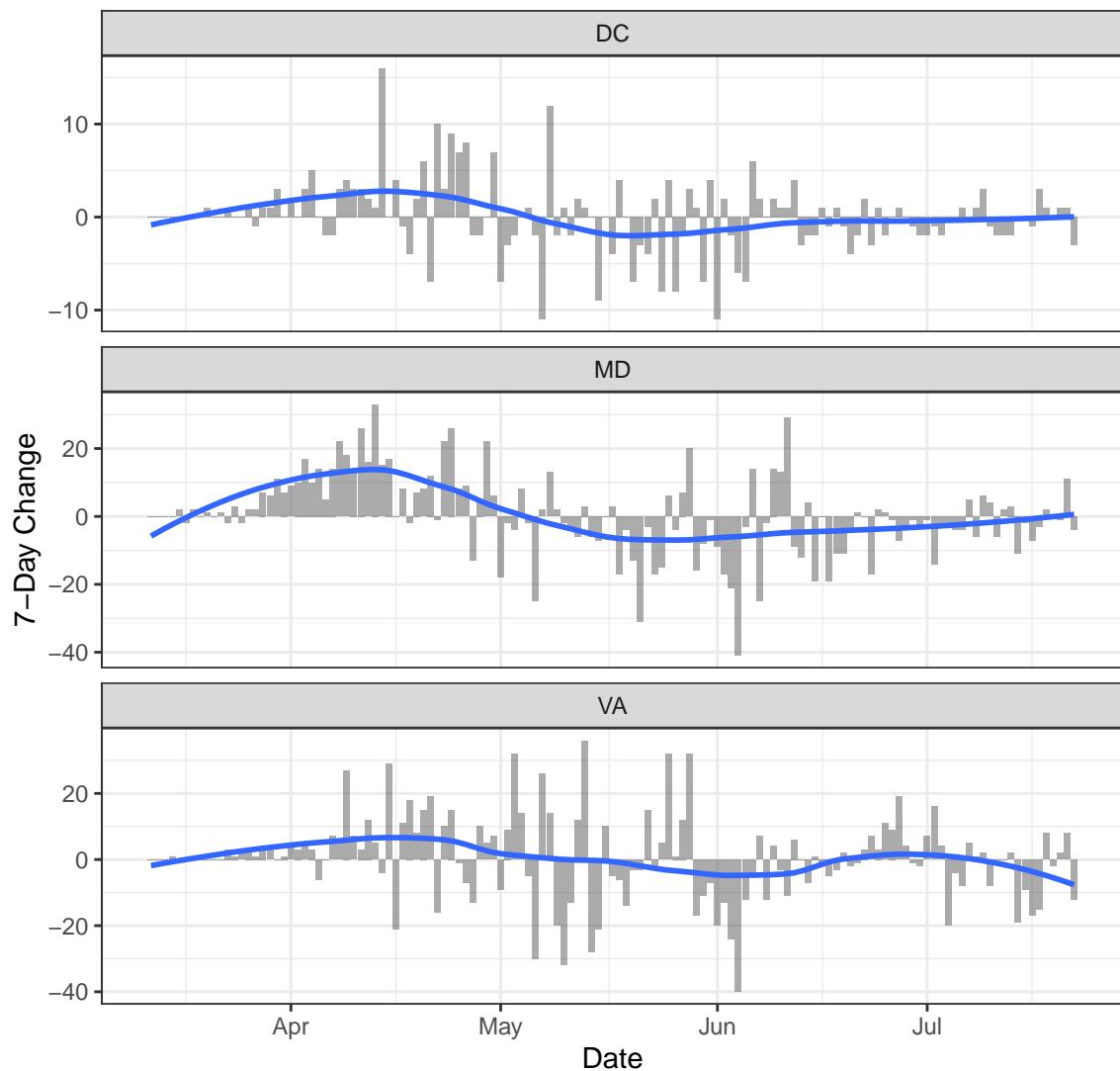
Deaths

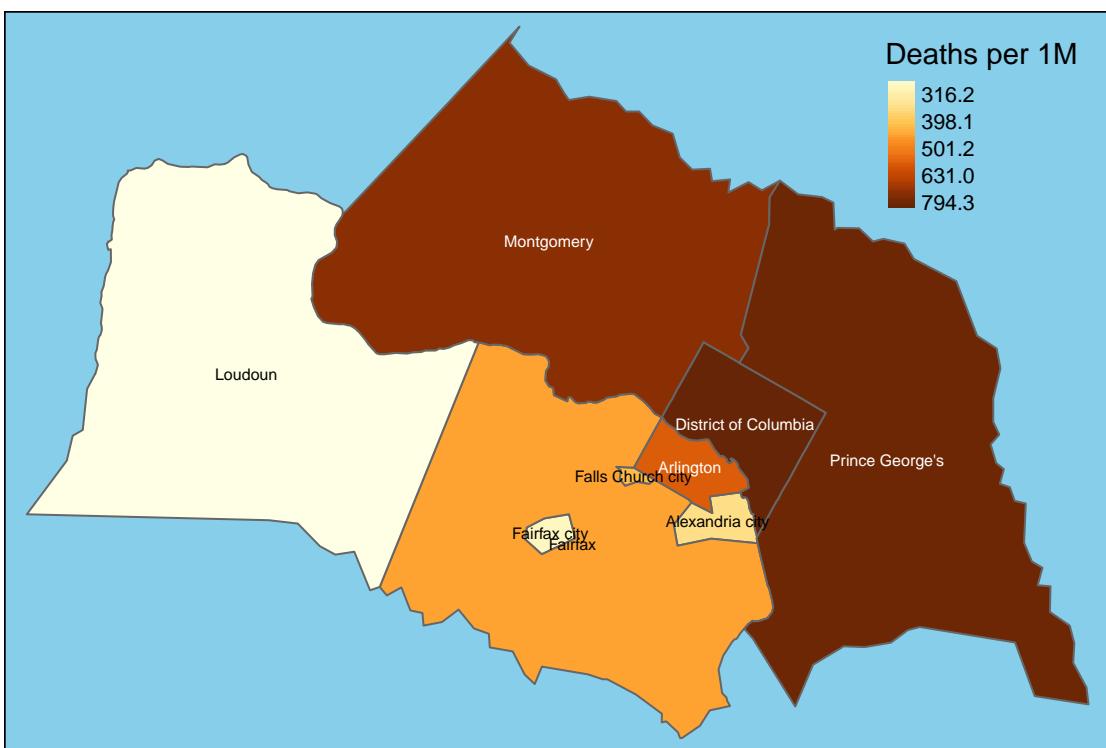
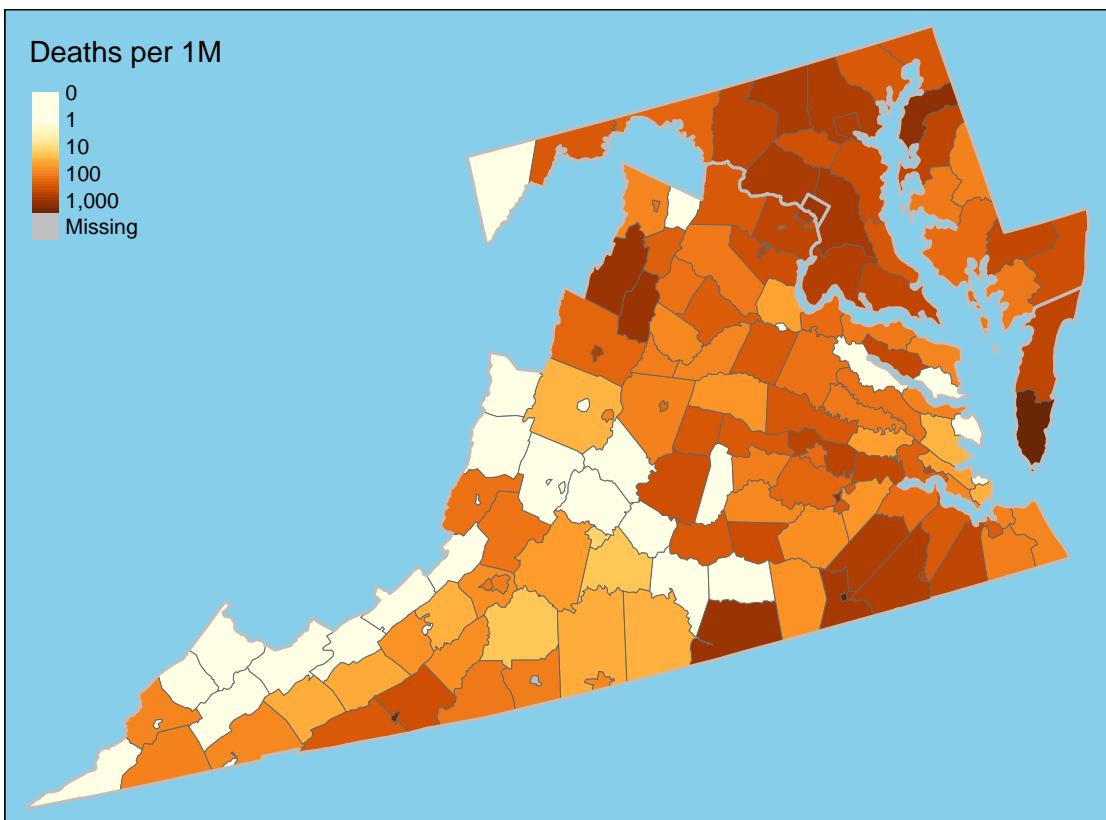


New Deaths

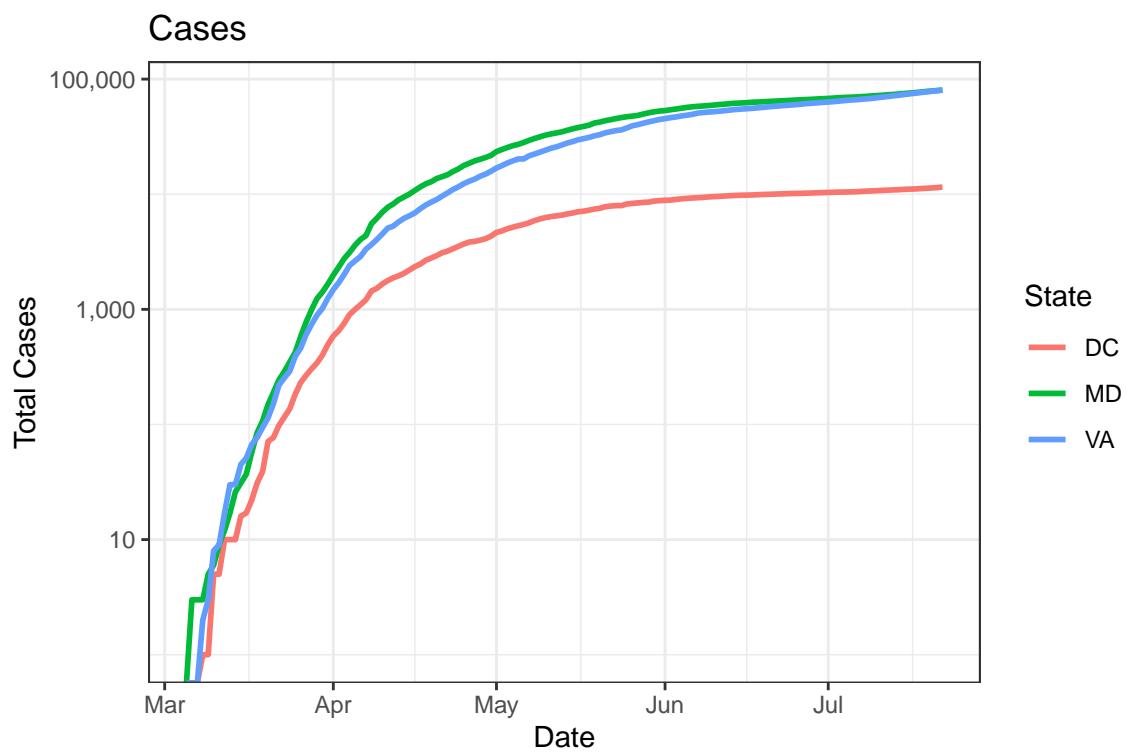


One-Week Change in Daily Deaths

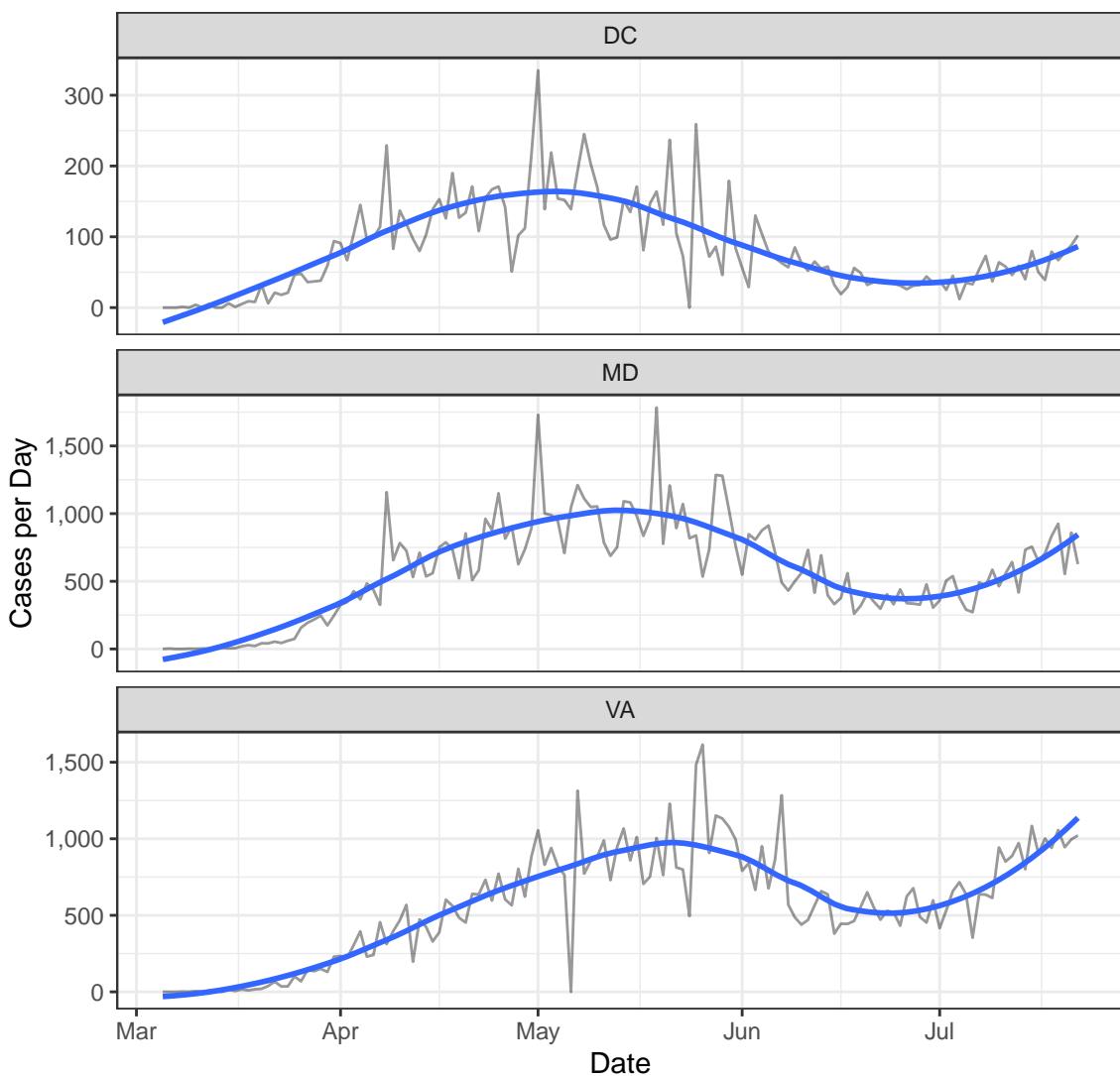




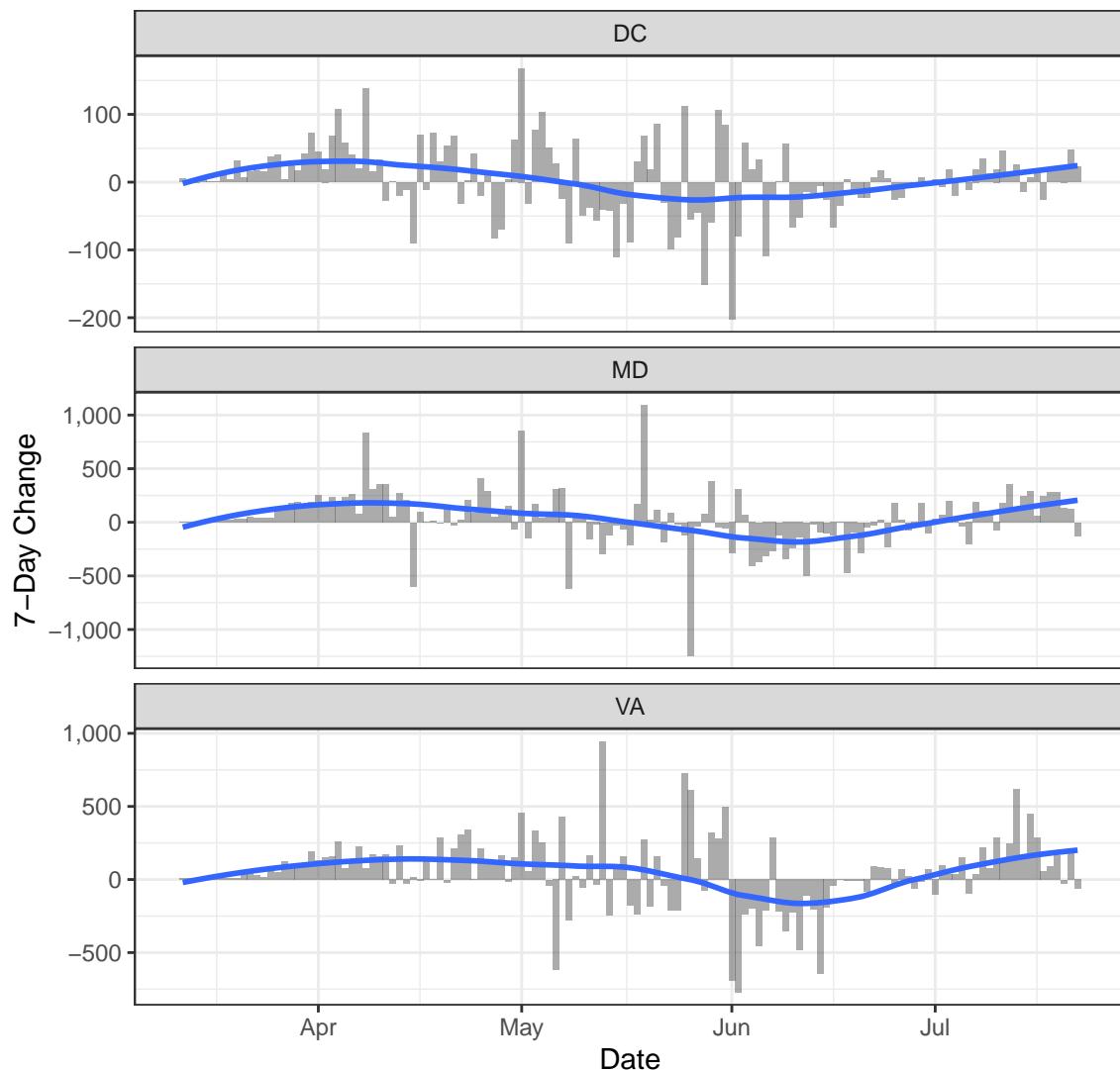
Cases

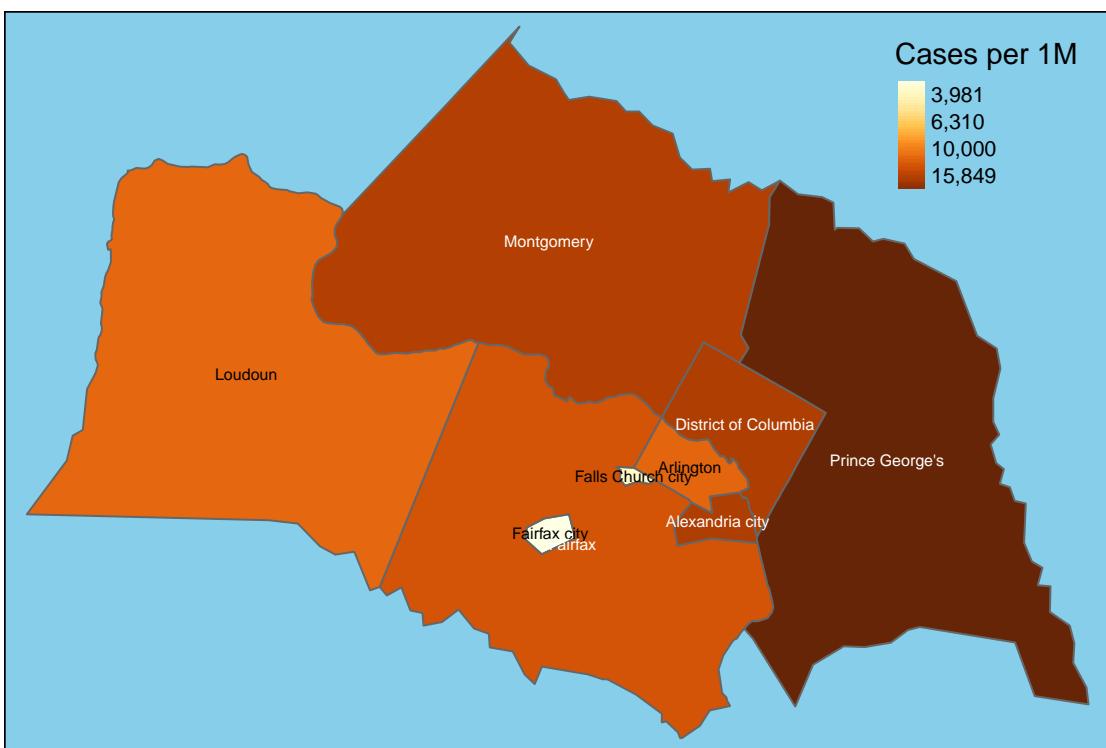
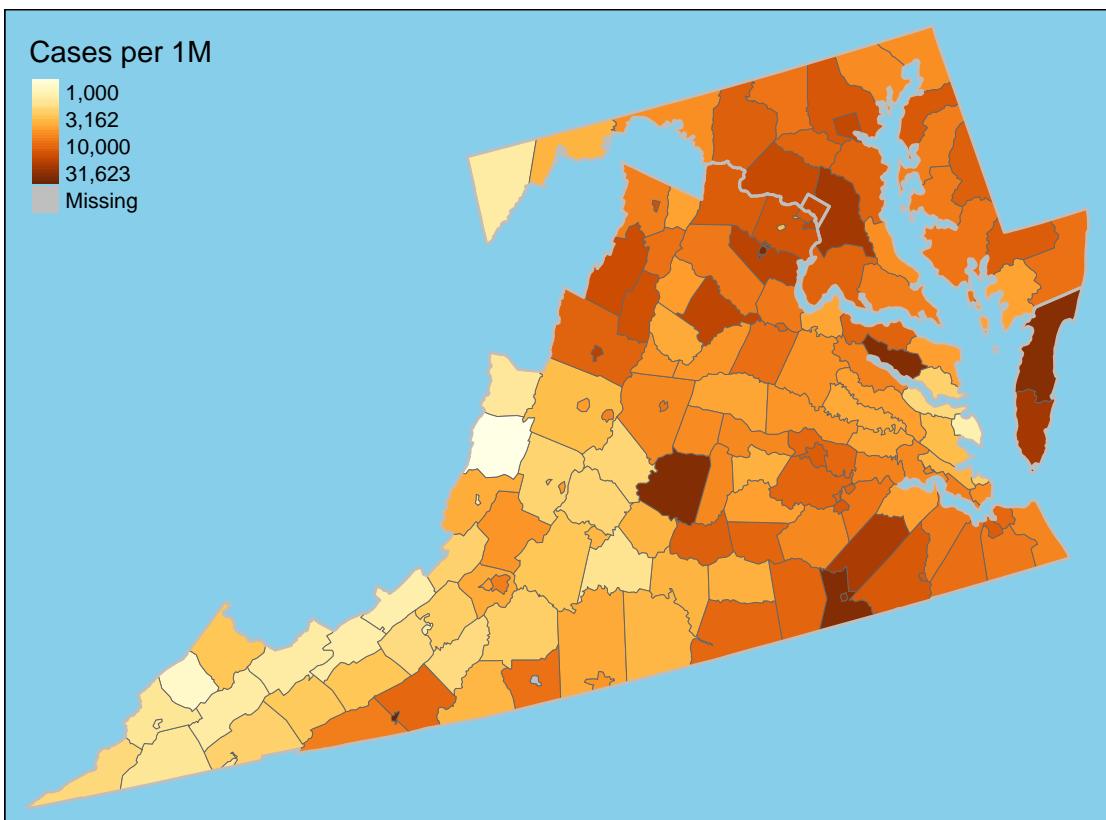


New Cases

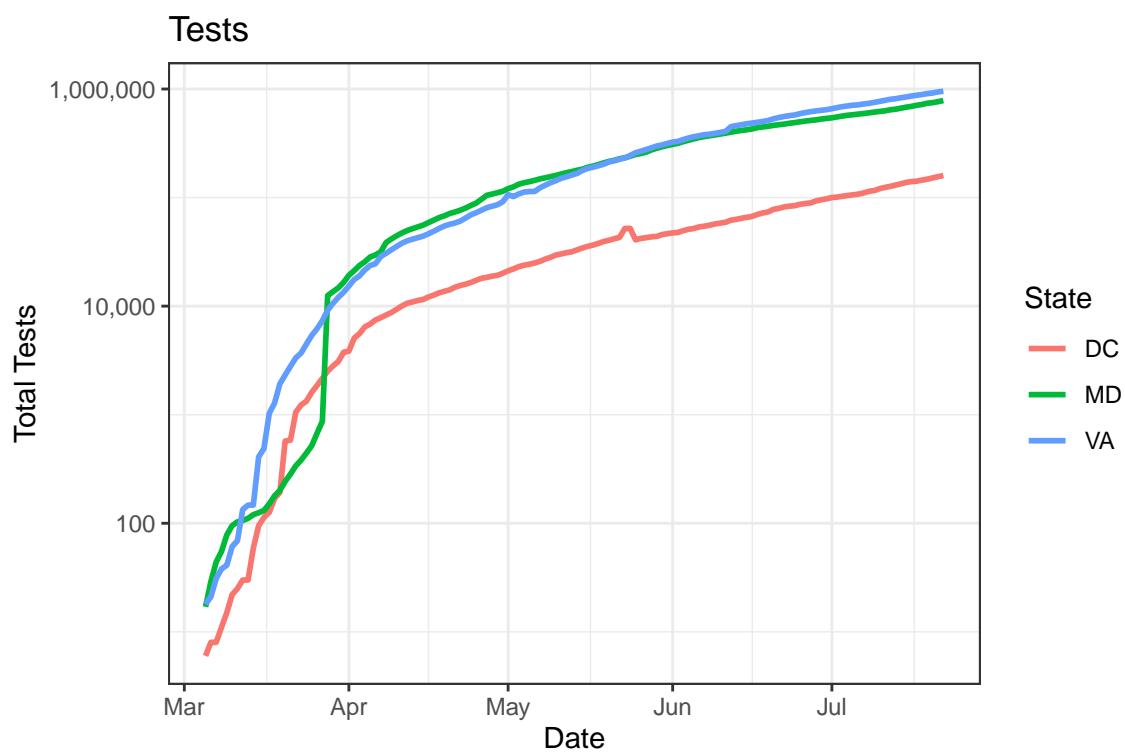


One-Week Change in Daily Cases

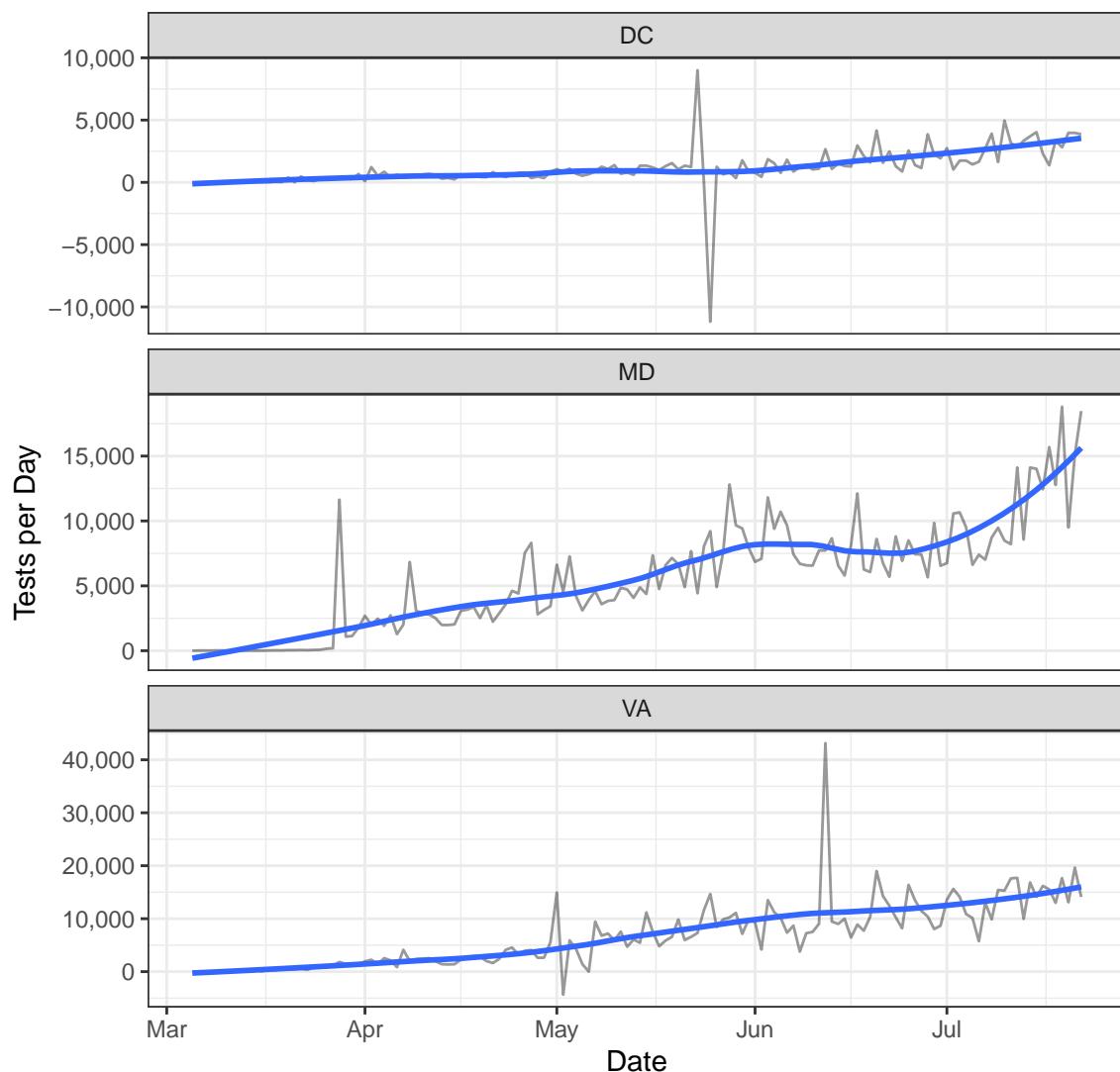




Testing



New Tests



Positive Test Rate

