

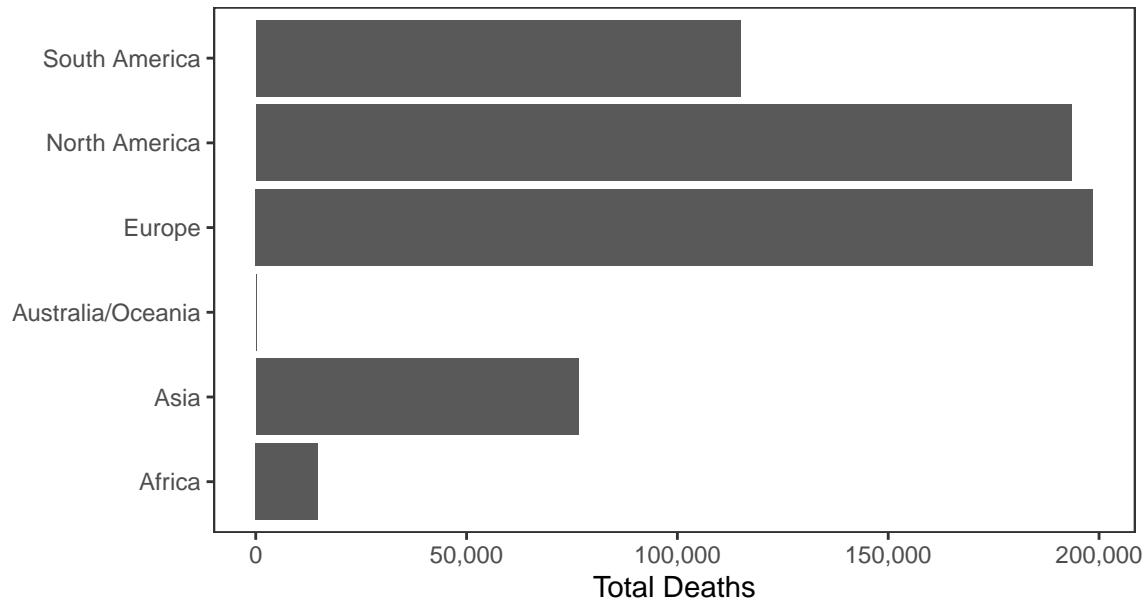
Erik's Covid-19 Chart Pack

Data updated 2020-07-18 18:12:06. 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 14,179,830 confirmed Covid-19 cases and 598,540 deaths worldwide.

Deaths



Cases

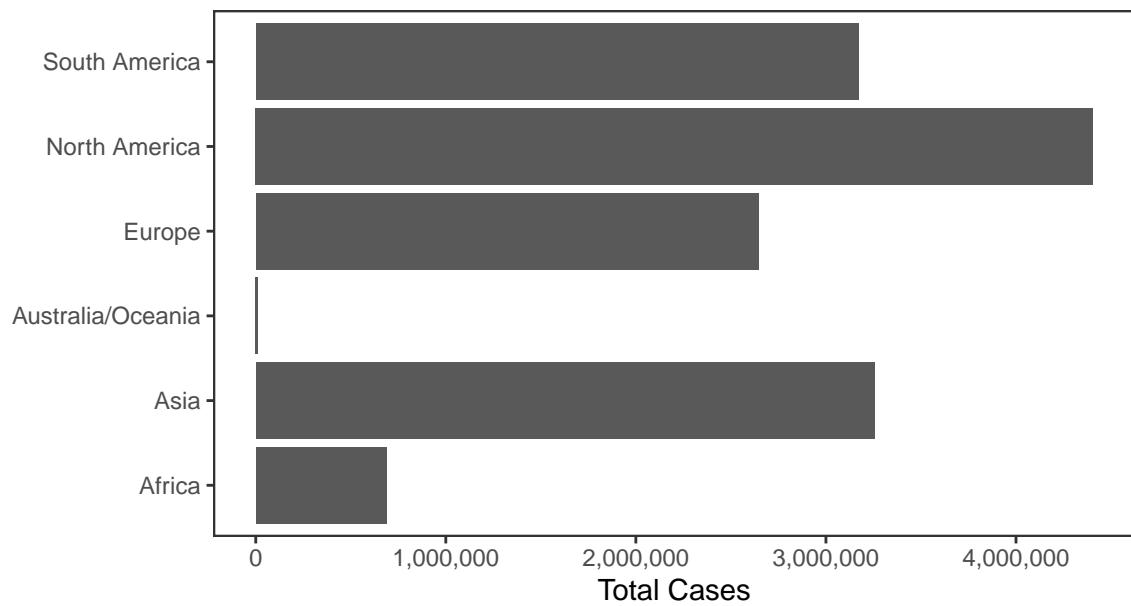
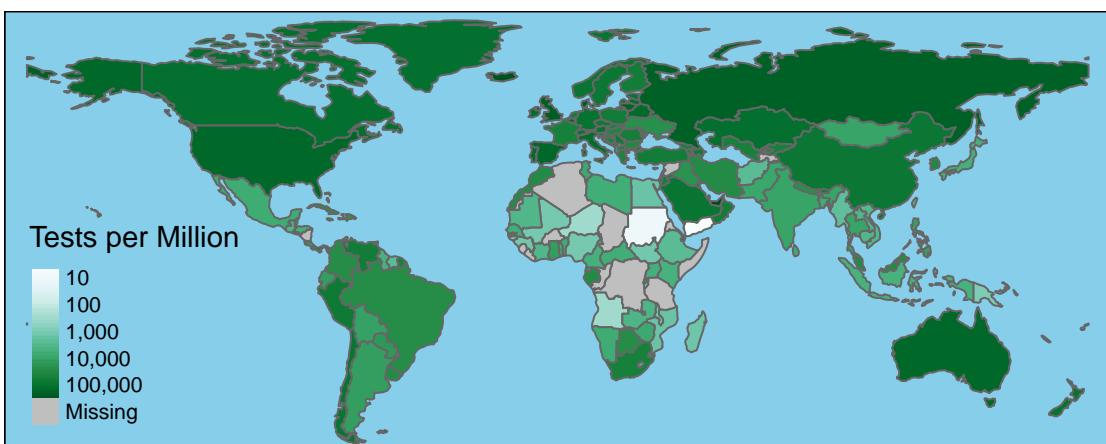
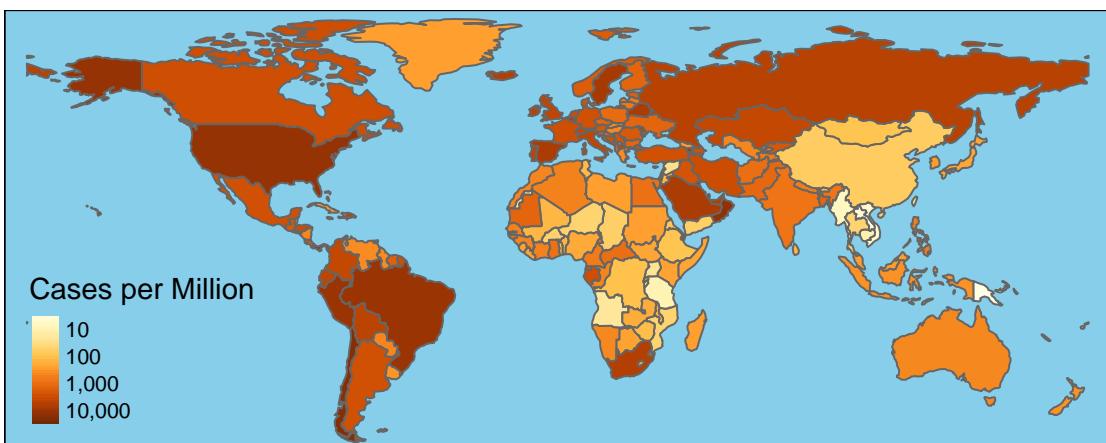
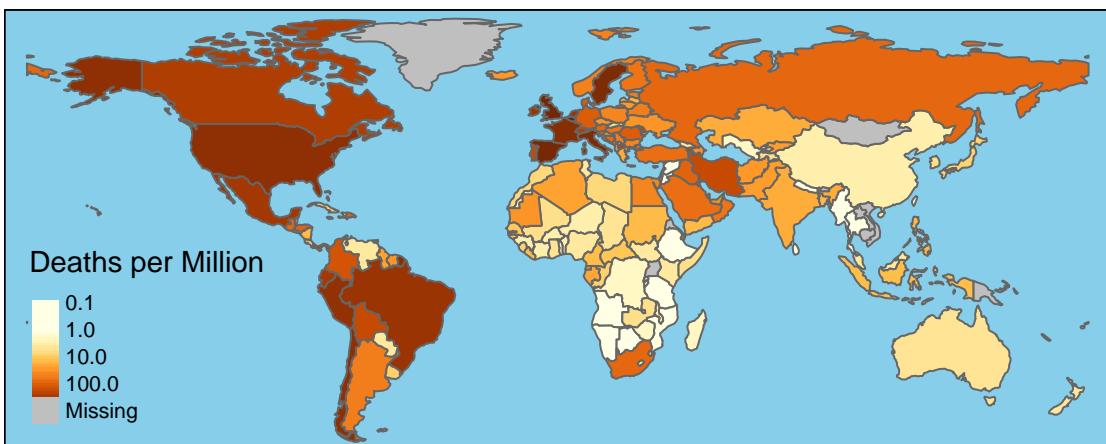


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	3,770,012	142,064	74,987	946
Brazil	2,048,697	77,932	33,959	1,110
India	1,040,457	26,285	34,820	676
Russia	759,203	12,123	6,406	186
Peru	345,537	12,799	3,951	184
South Africa	337,594	4,804	13,373	135
Chile	326,539	8,347	2,841	98
Mexico	324,041	37,574	6,406	668
Spain	307,335	28,420	1,400	4
UK	293,239	45,233	687	114
Iran	269,440	13,791	2,379	183
Pakistan	259,999	5,475	2,085	49
Saudi Arabia	245,851	2,407	2,613	37
Italy	243,967	35,028	231	11
Turkey	217,799	5,458	926	18
Germany	202,345	9,160	509	3
Bangladesh	199,357	2,547	3,034	51
Colombia	182,140	6,288	8,934	259
France	174,674	30,152	836	14
Argentina	119,301	2,178	4,518	66



National Data

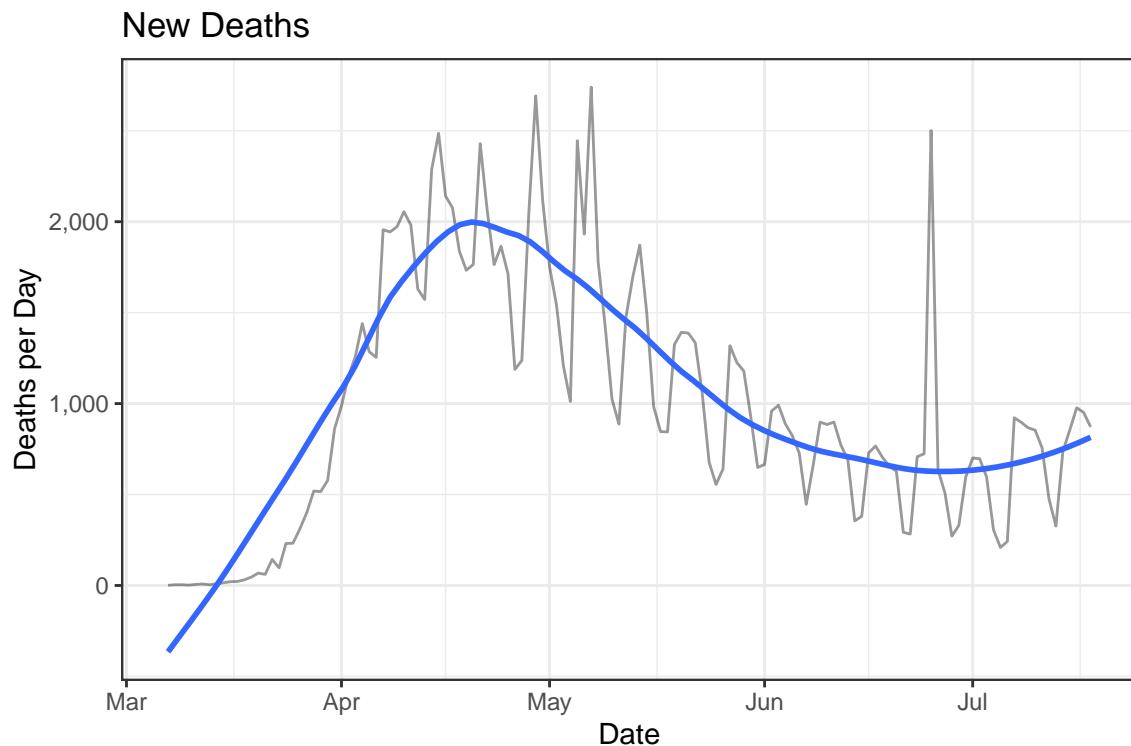
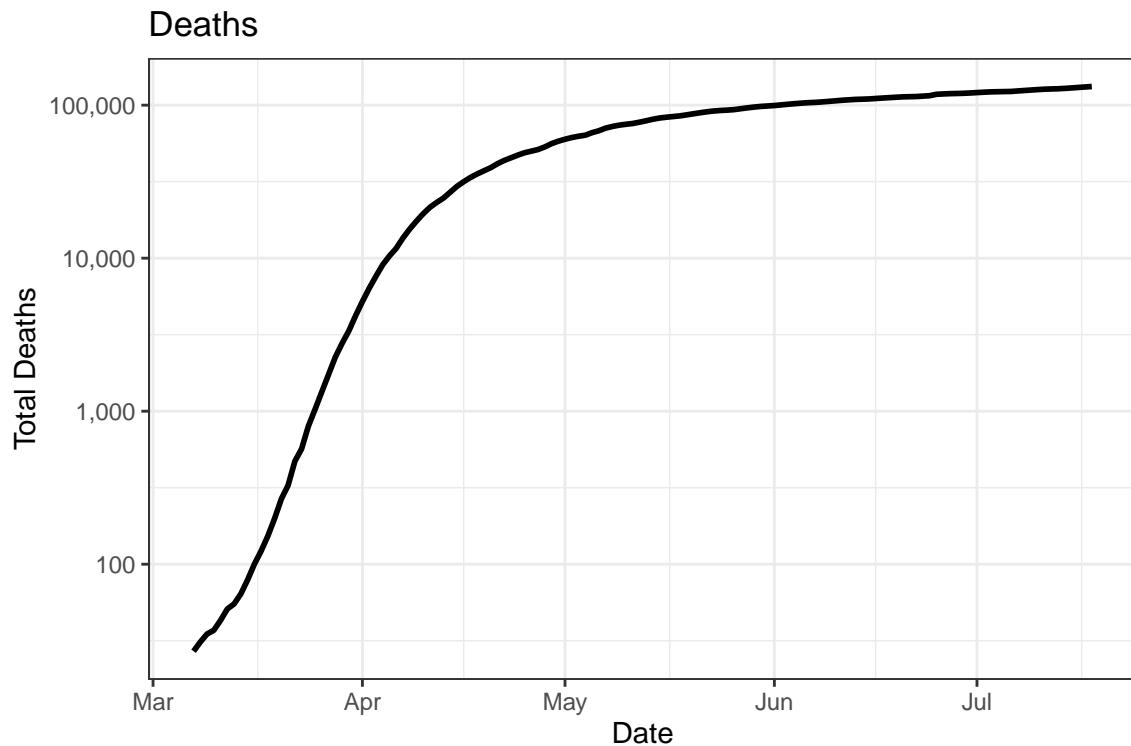
There have been 3,692,061 confirmed Covid-19 cases and 132,395 deaths in the United States.

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

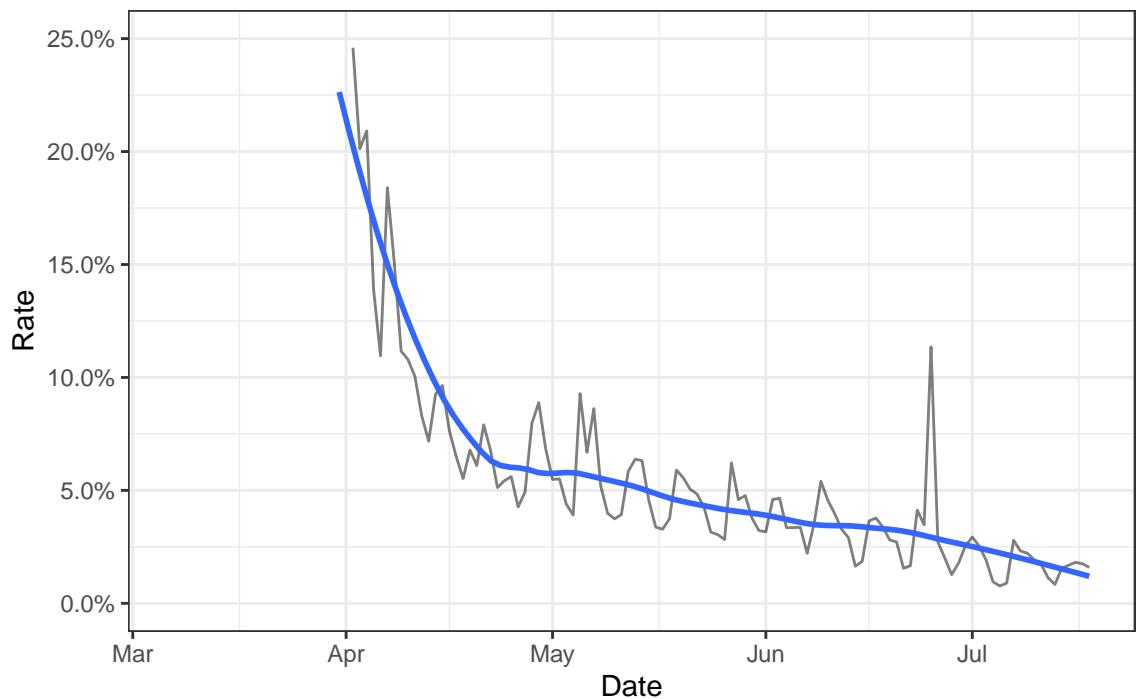
Date	Cases	Deaths	New Cases	New Deaths
2020-07-18	3,692,061	132,395	65,180	872
2020-07-17	3,626,881	131,523	77,233	951
2020-07-16	3,549,648	130,572	71,229	977
2020-07-15	3,478,419	129,595	65,106	855
2020-07-14	3,413,313	128,740	62,879	736
2020-07-13	3,350,434	128,004	58,465	327
2020-07-12	3,291,969	127,677	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
2020-07-08	3,042,503	124,723	62,147	897
2020-07-07	2,980,356	123,826	51,766	922
2020-07-06	2,928,590	122,904	41,600	242
2020-07-05	2,886,990	122,662	45,789	209

Deaths

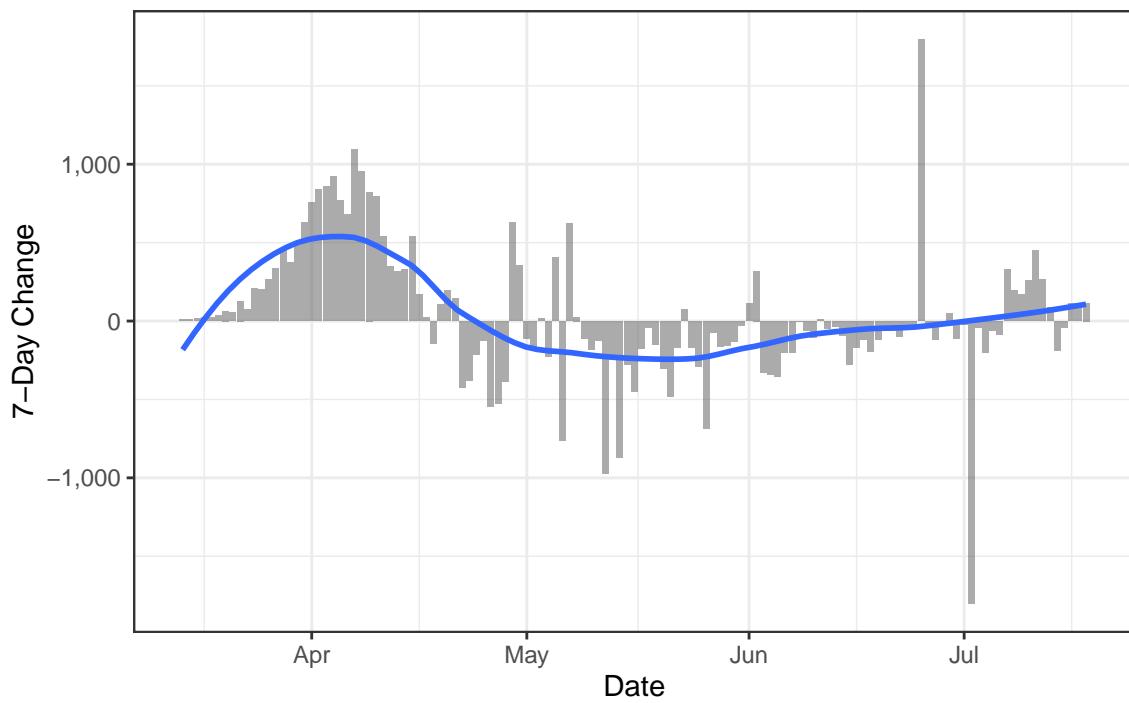
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

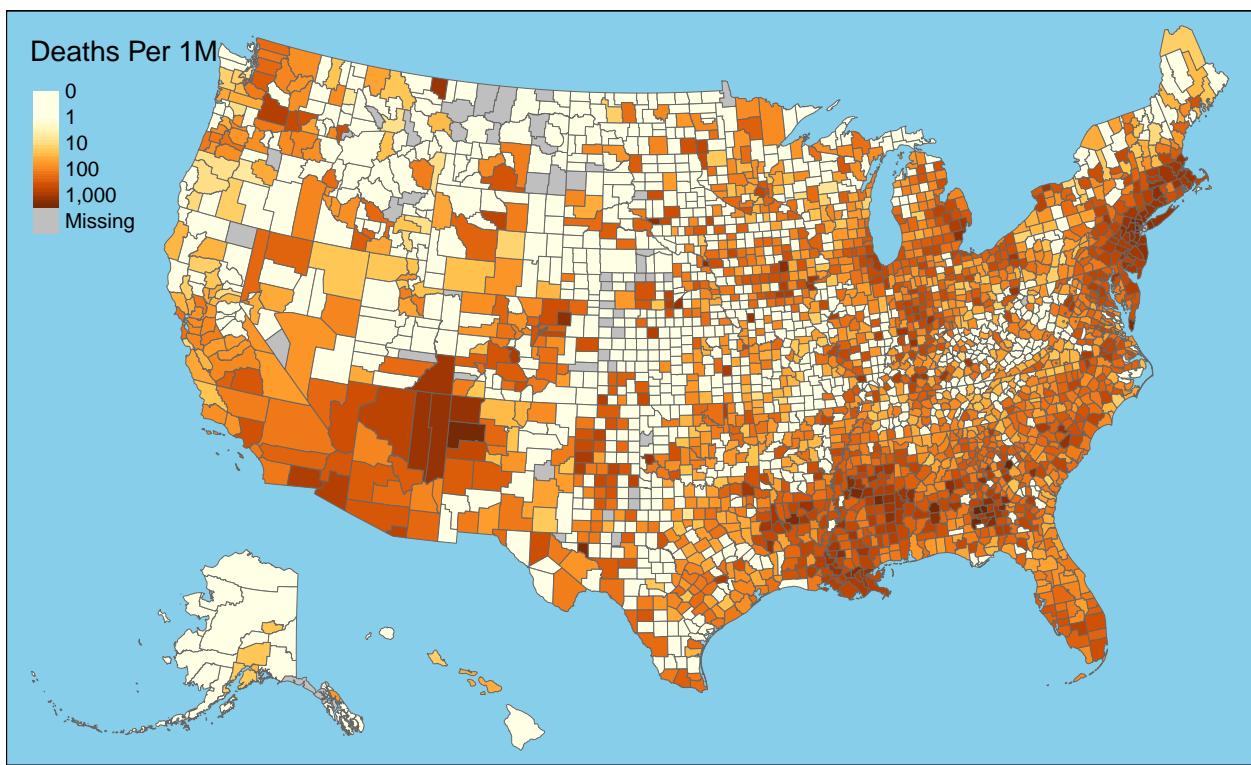


Daily Case Mortality Rate



One-Week Change in Daily Deaths

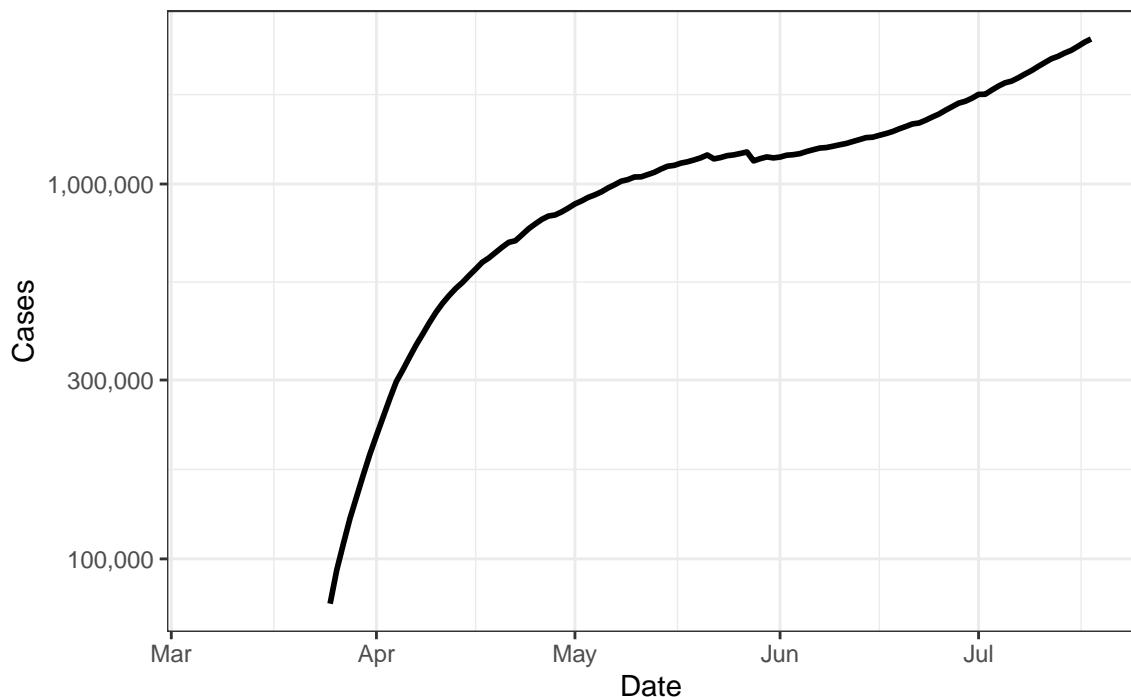




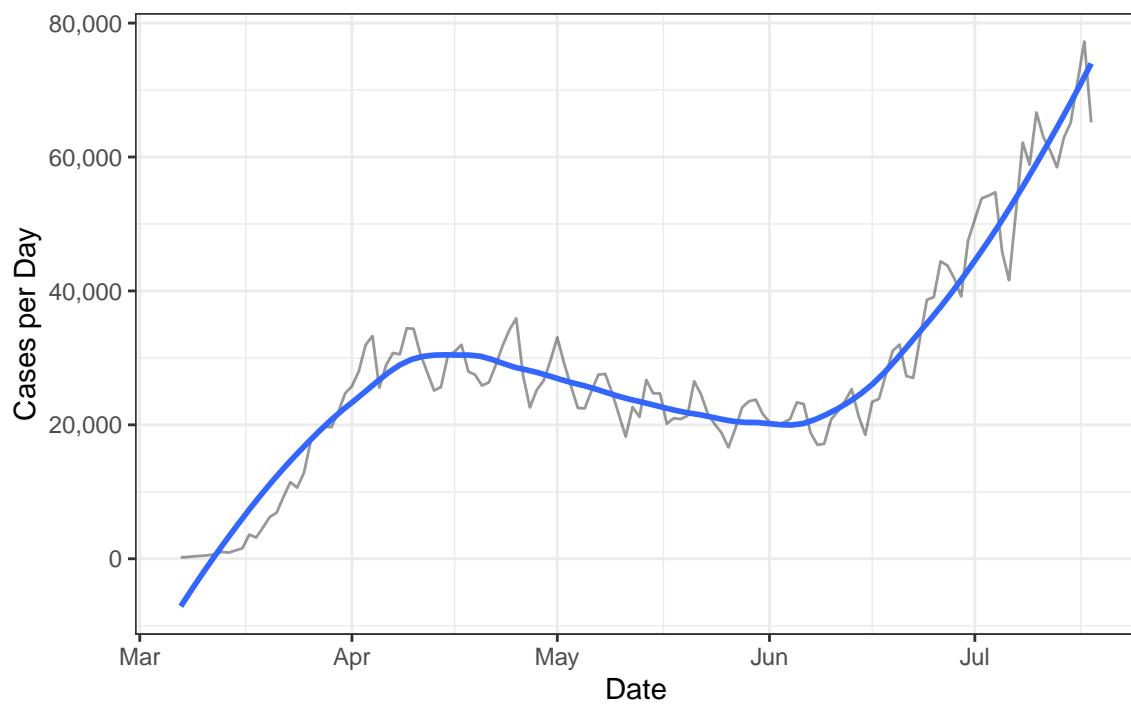
Cases

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

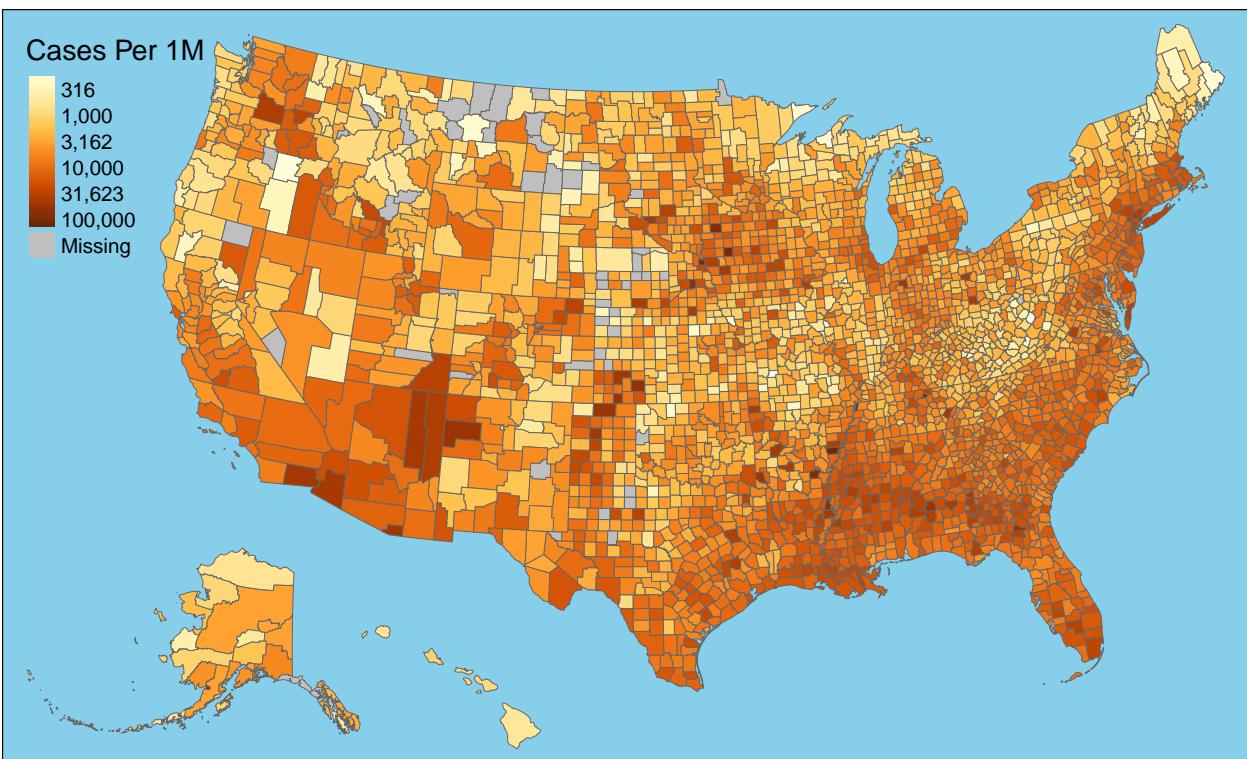
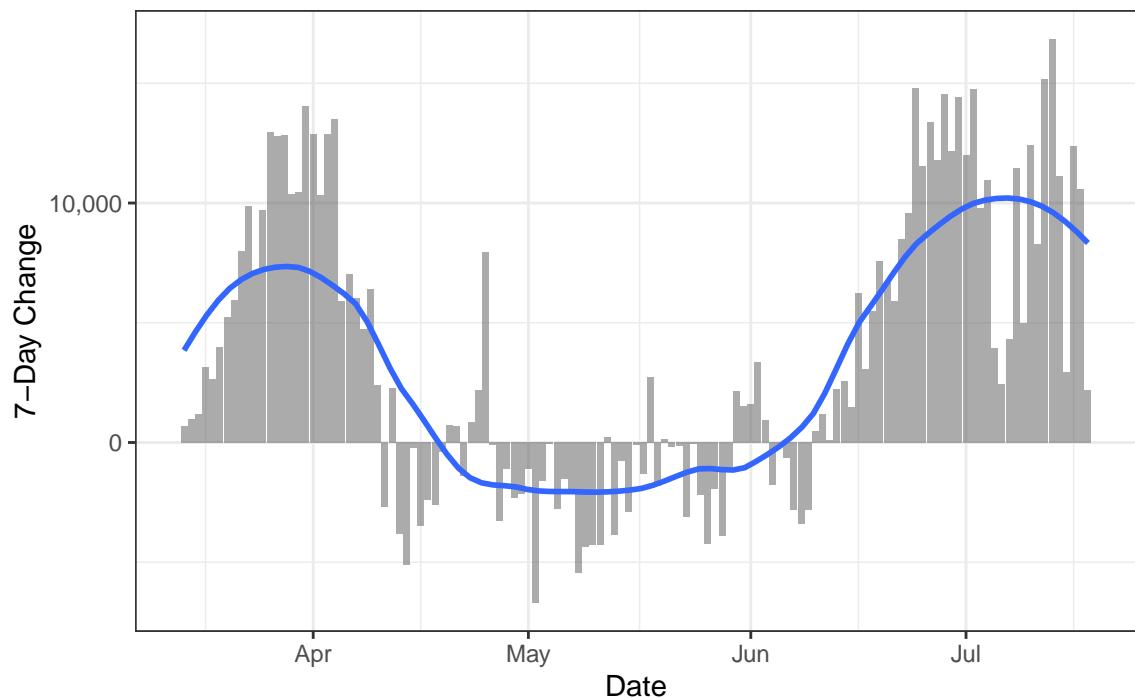
Active Cases



New Cases

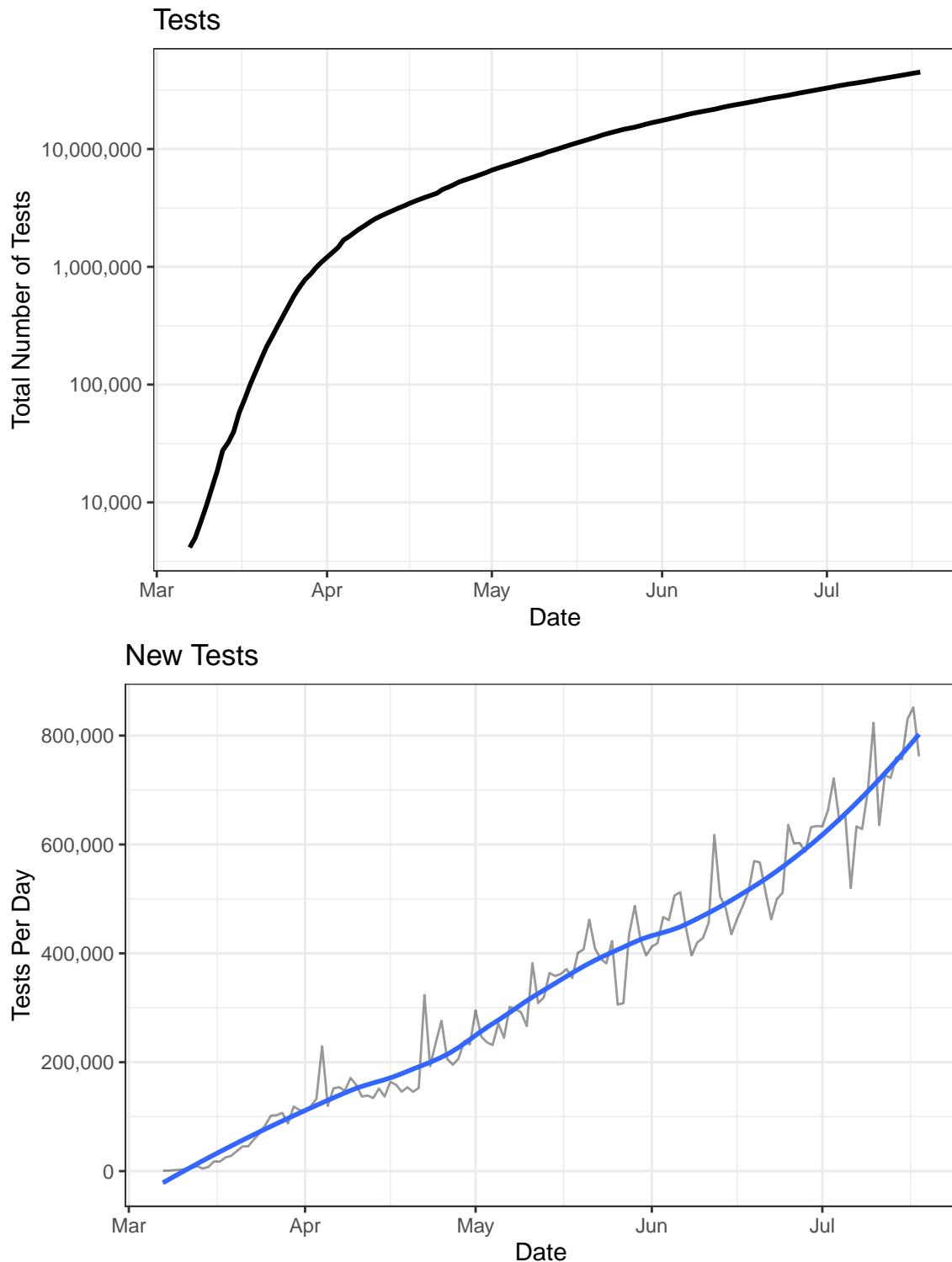


One-Week Change in Daily Cases

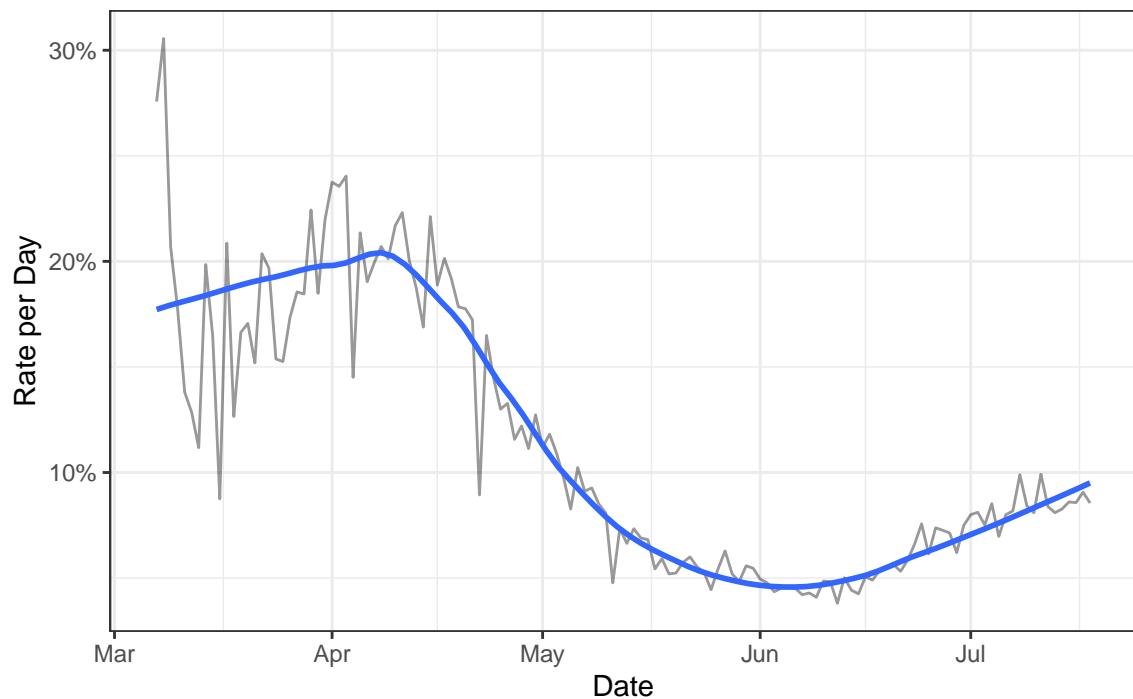


Testing

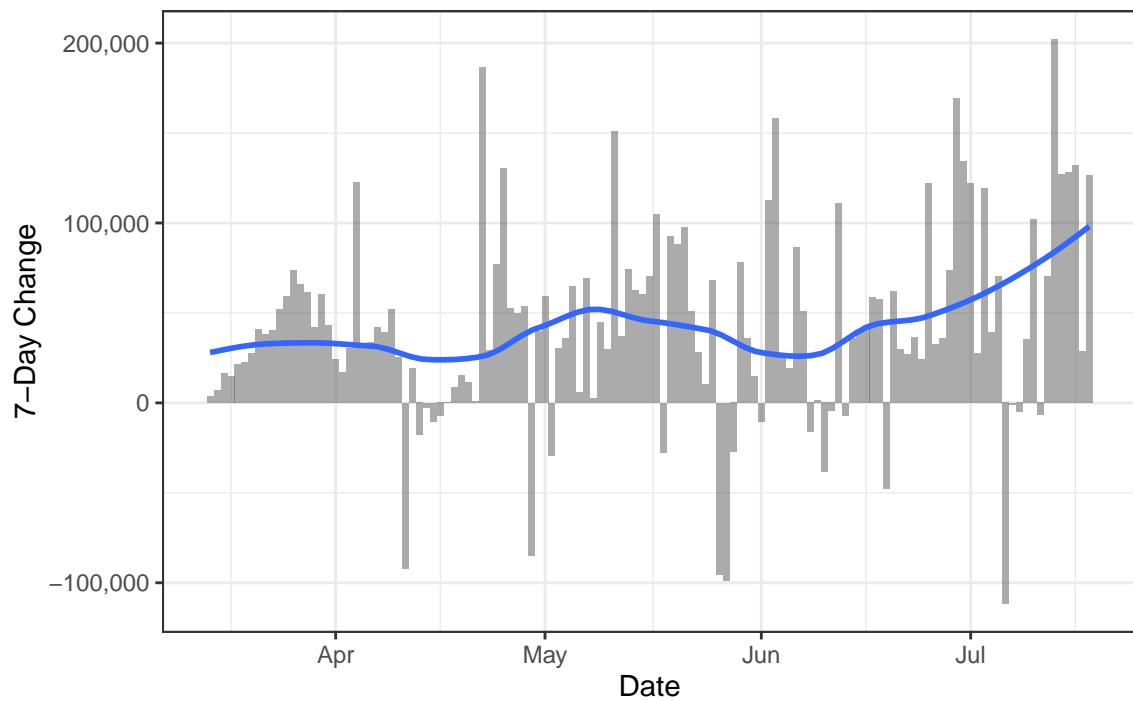
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

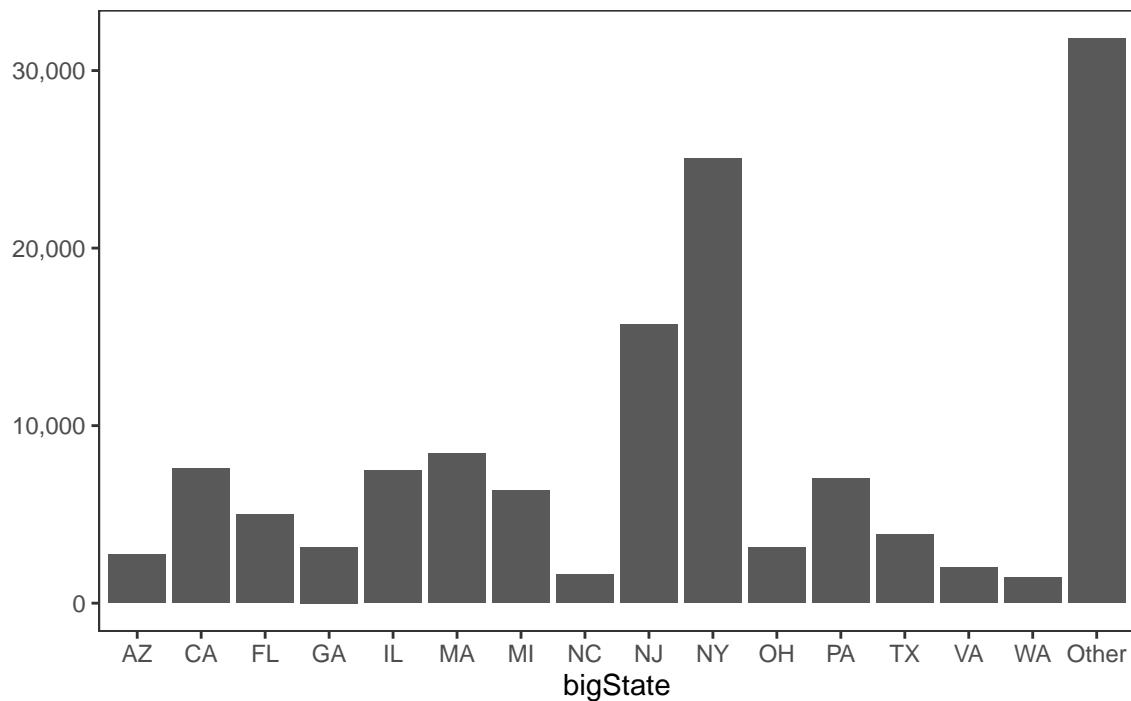


State Data

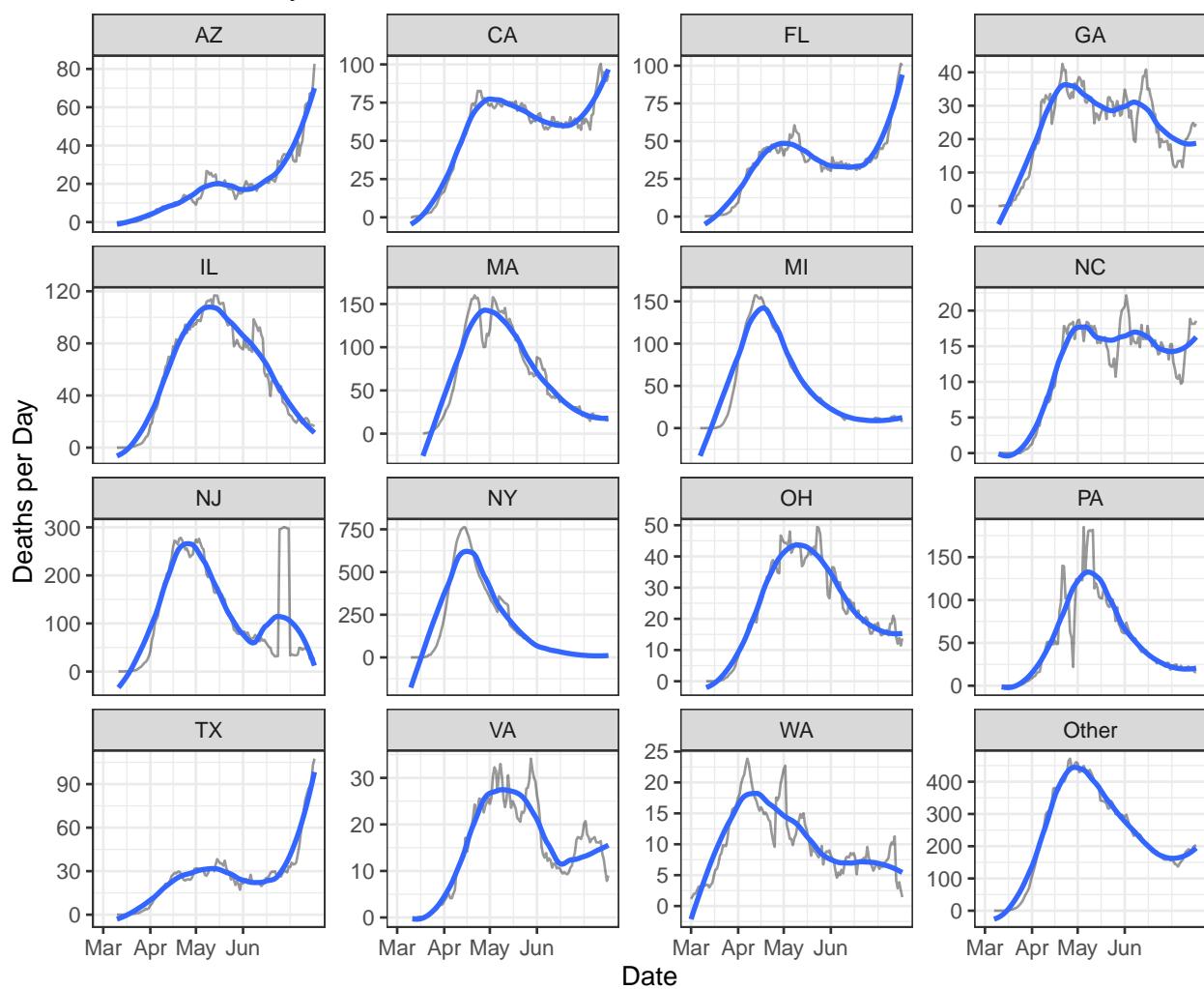
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

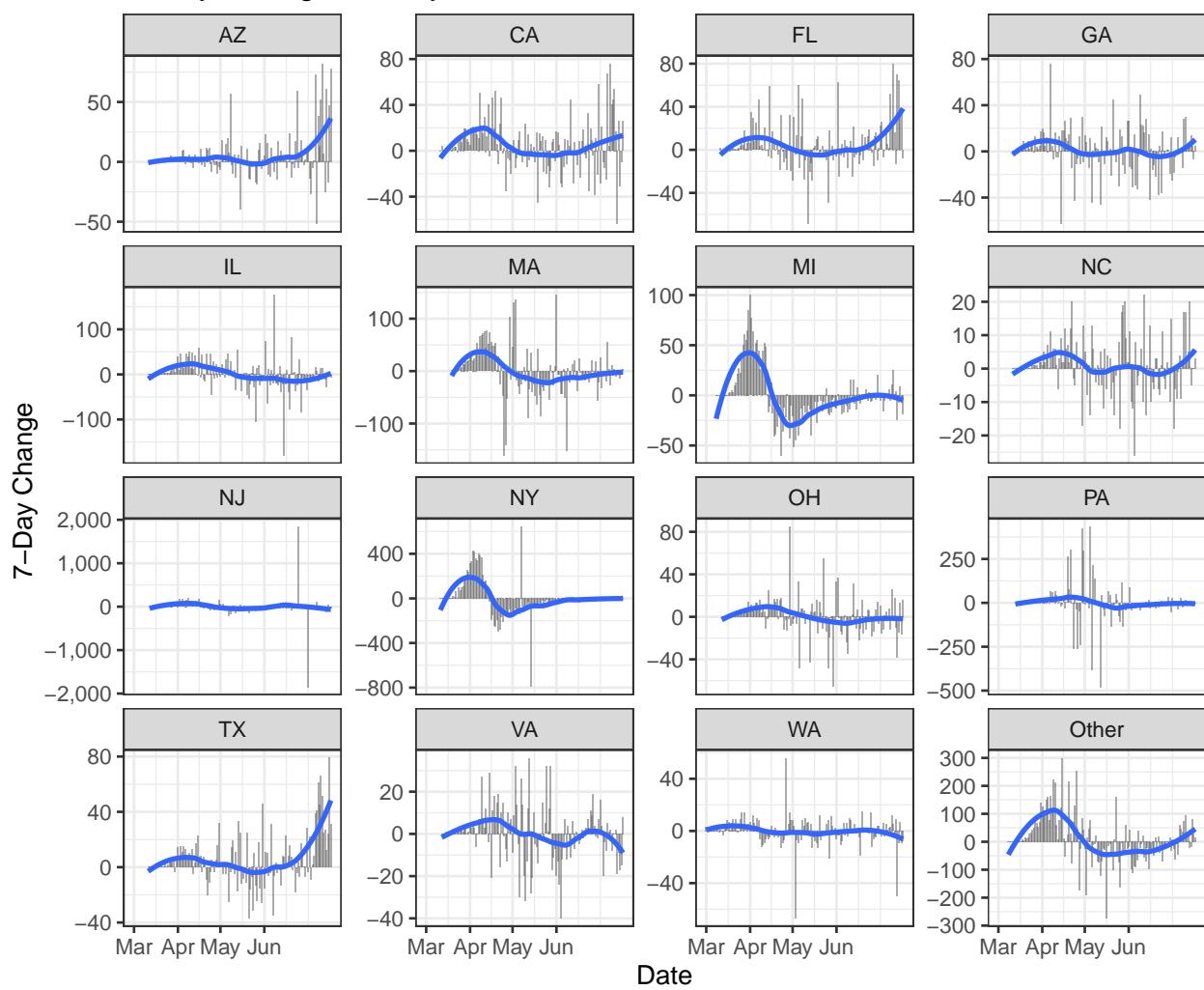
Deaths by State

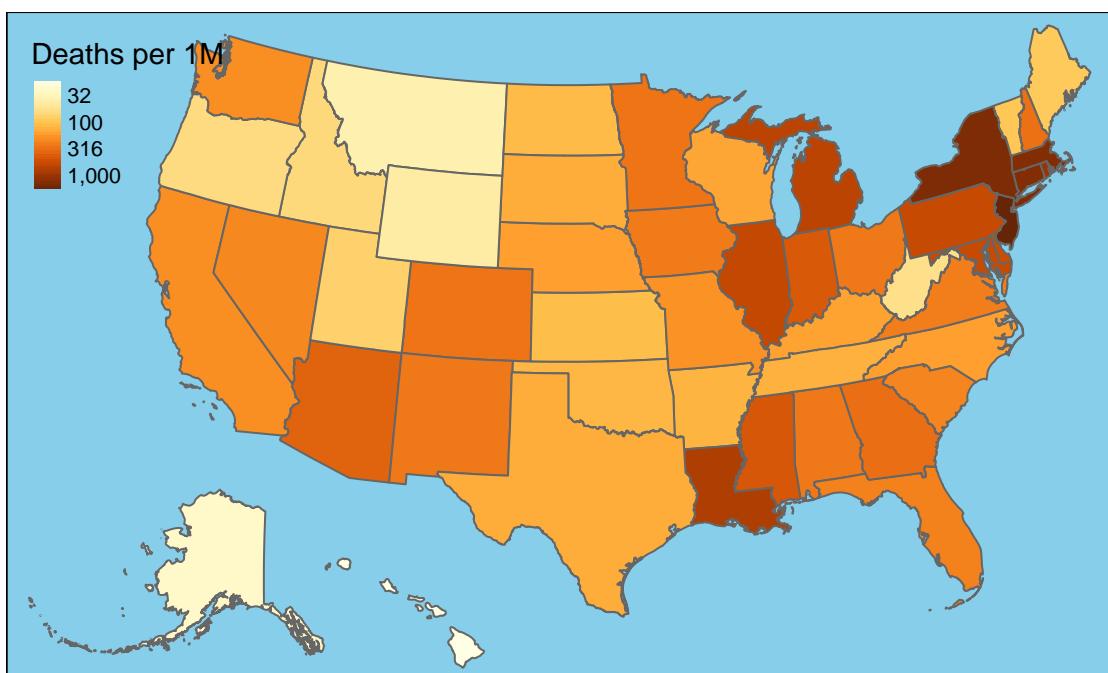
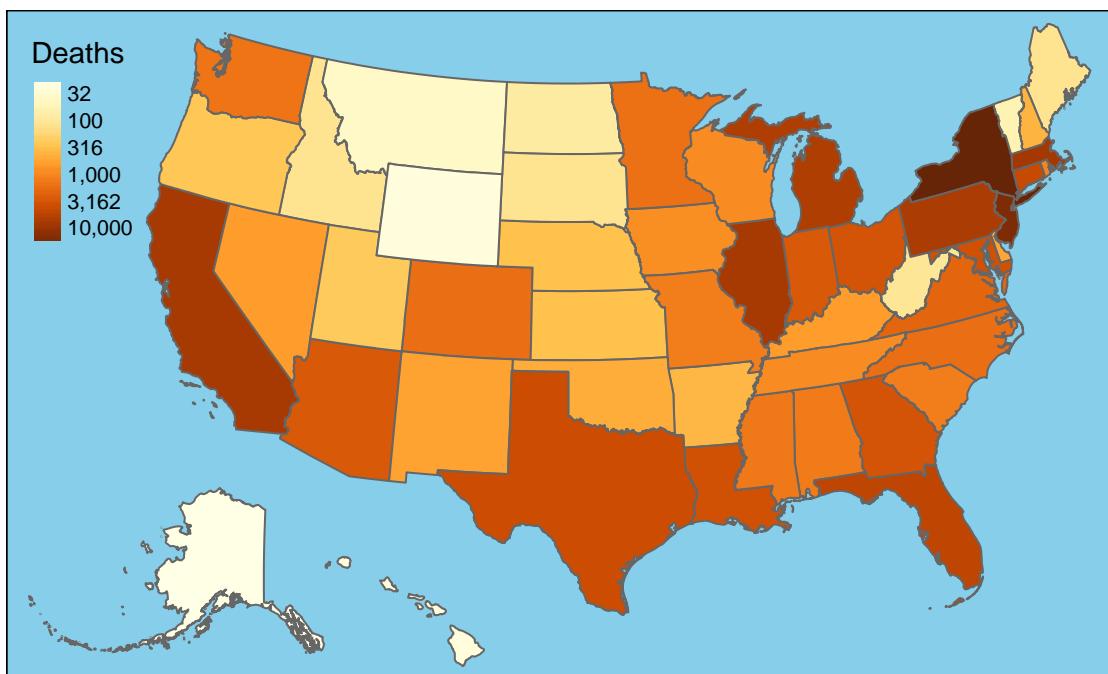


New Deaths by State



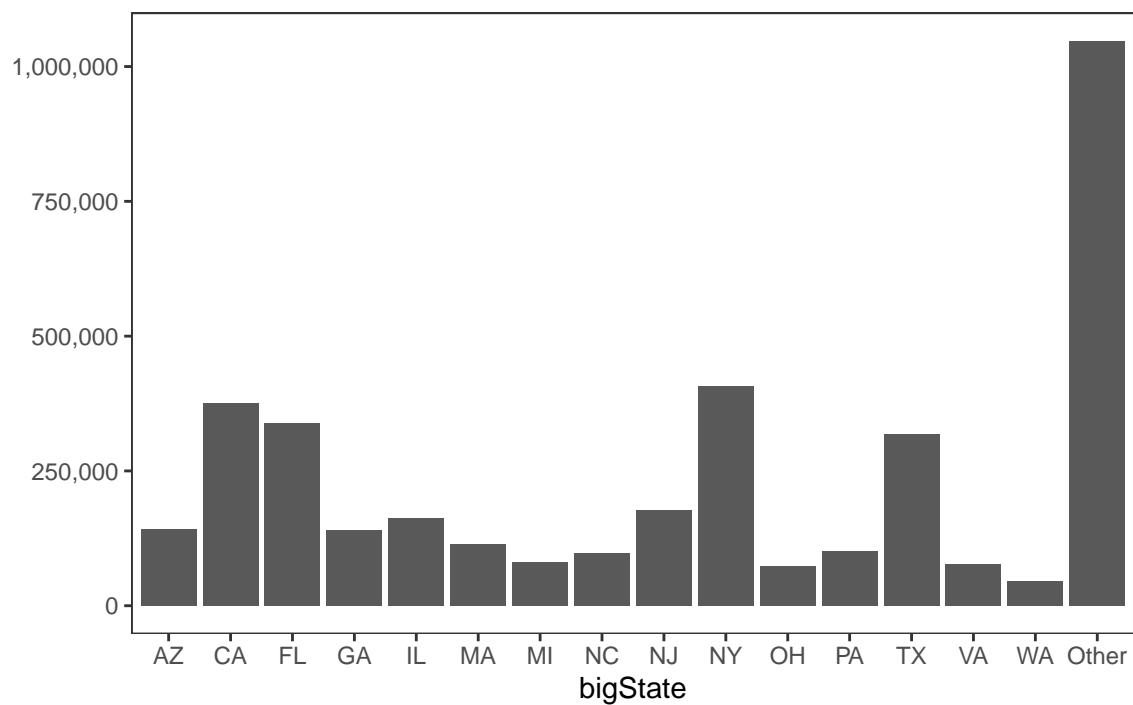
7-Day Change in Daily Deaths



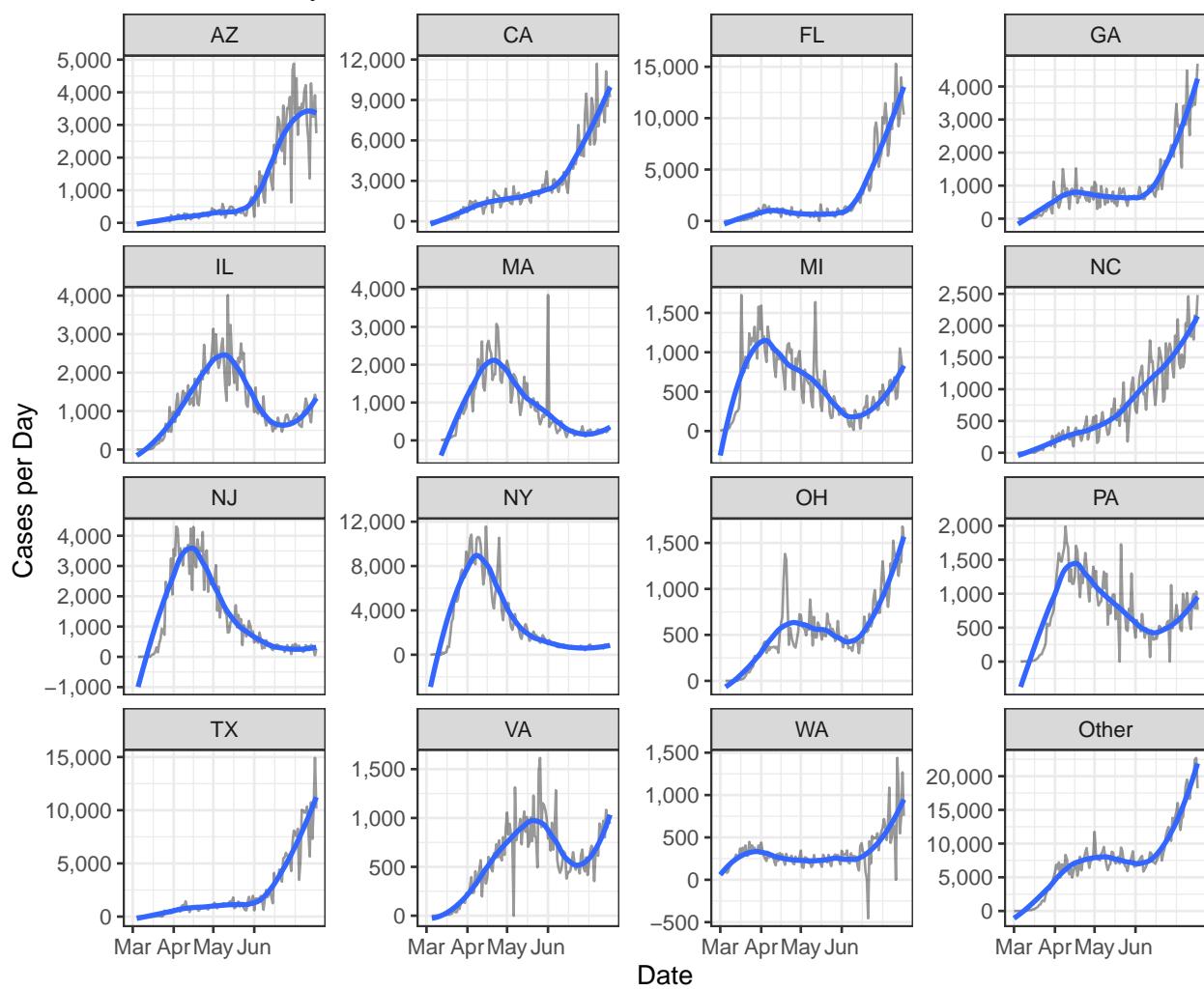


Cases

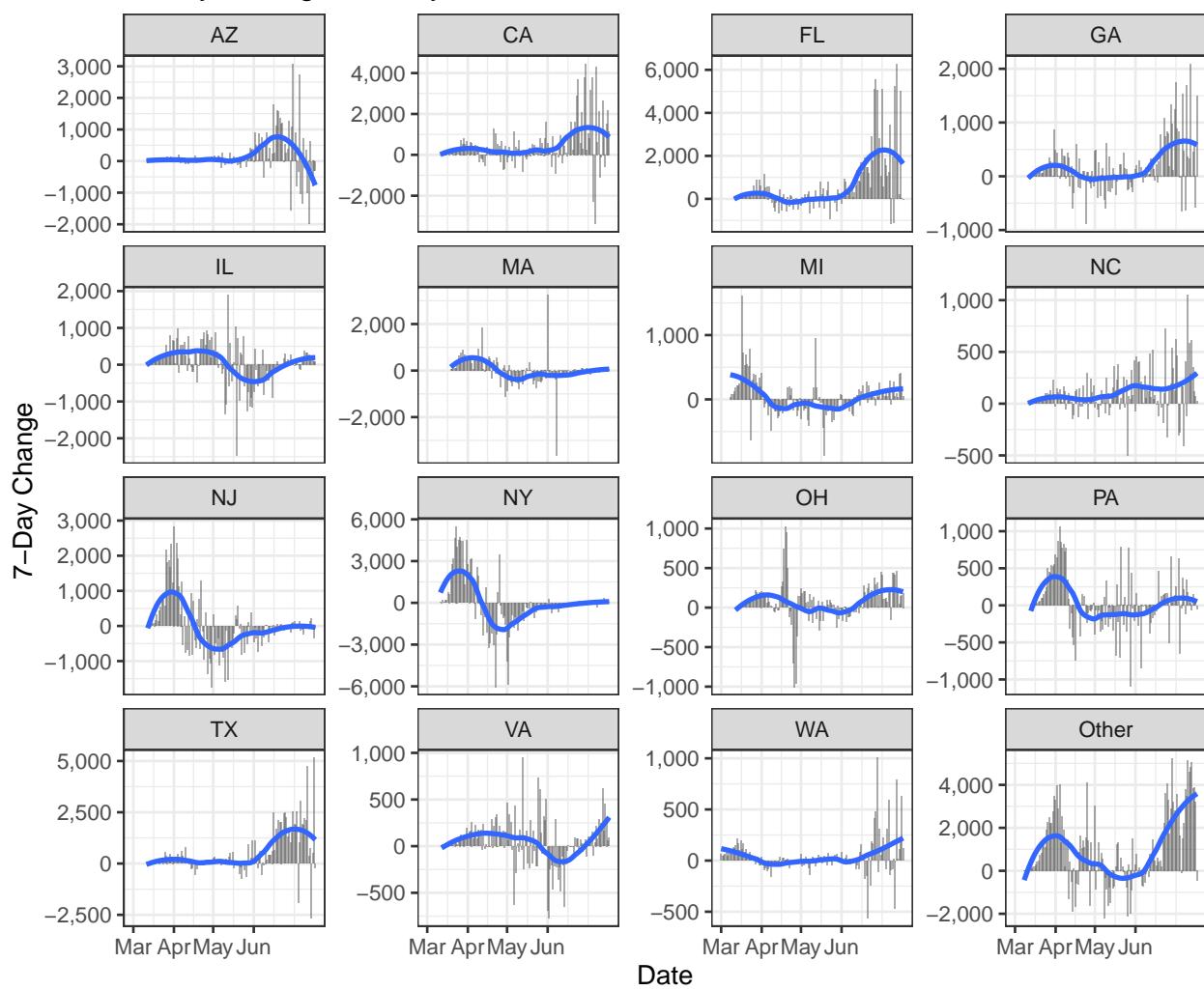
Cases by State

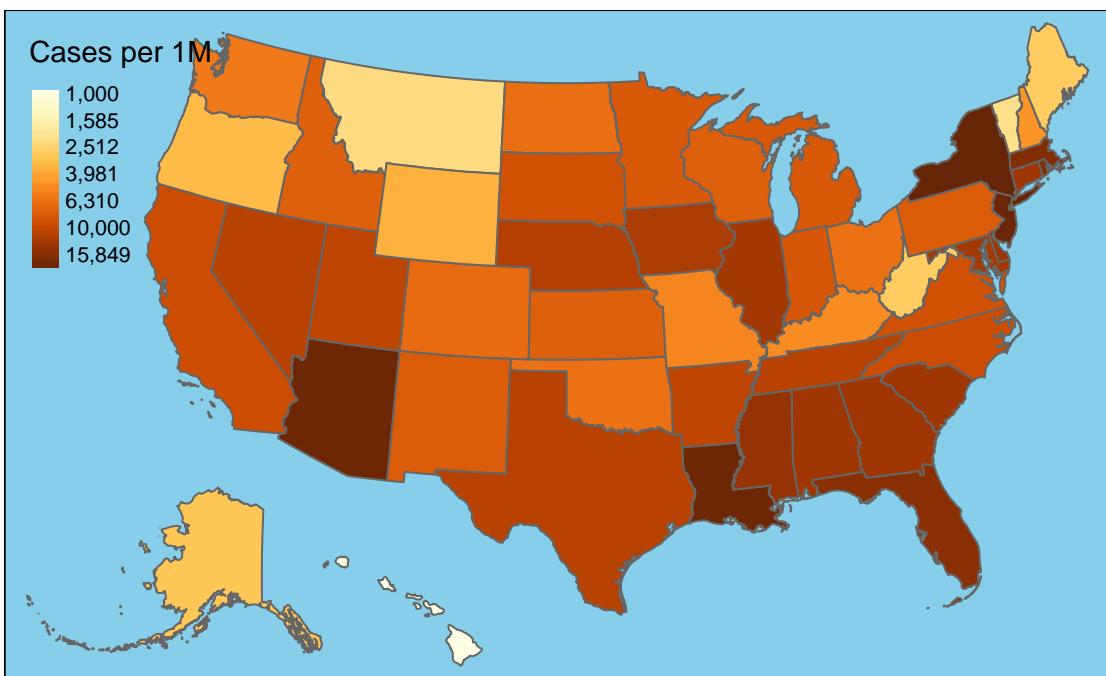
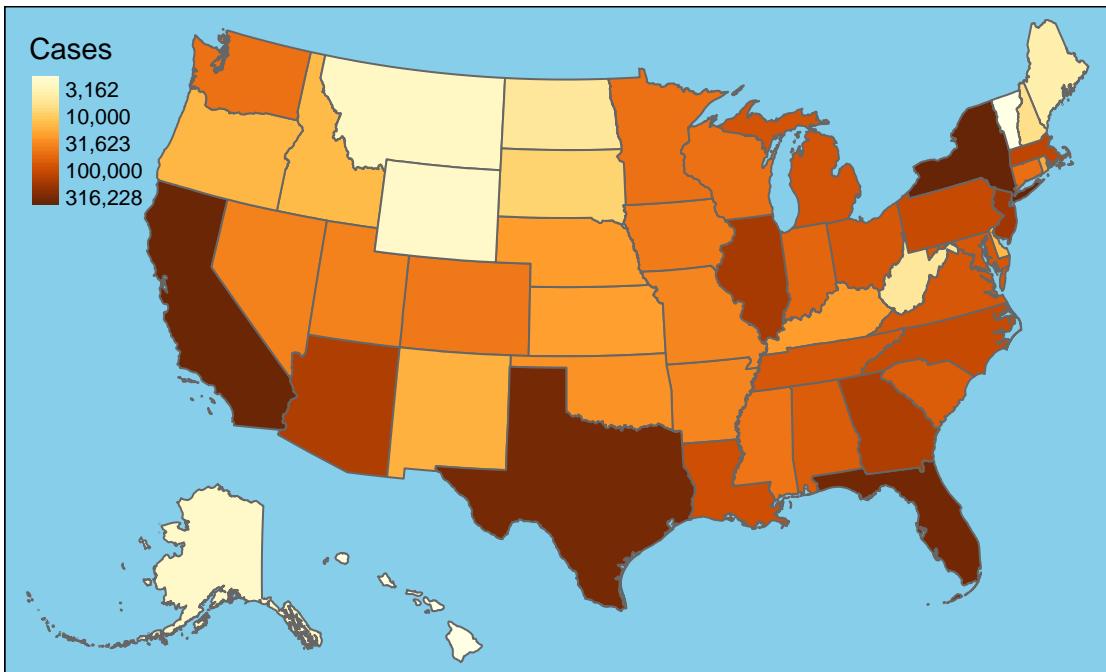


New Cases by State



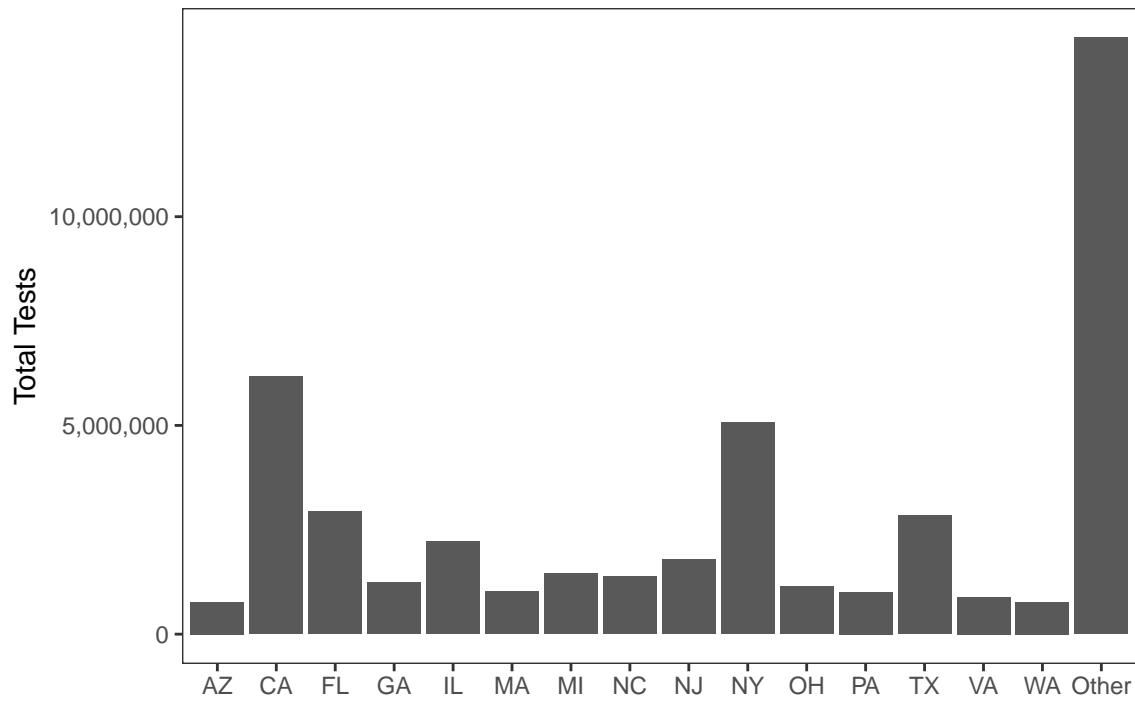
7-Day Change in Daily Cases



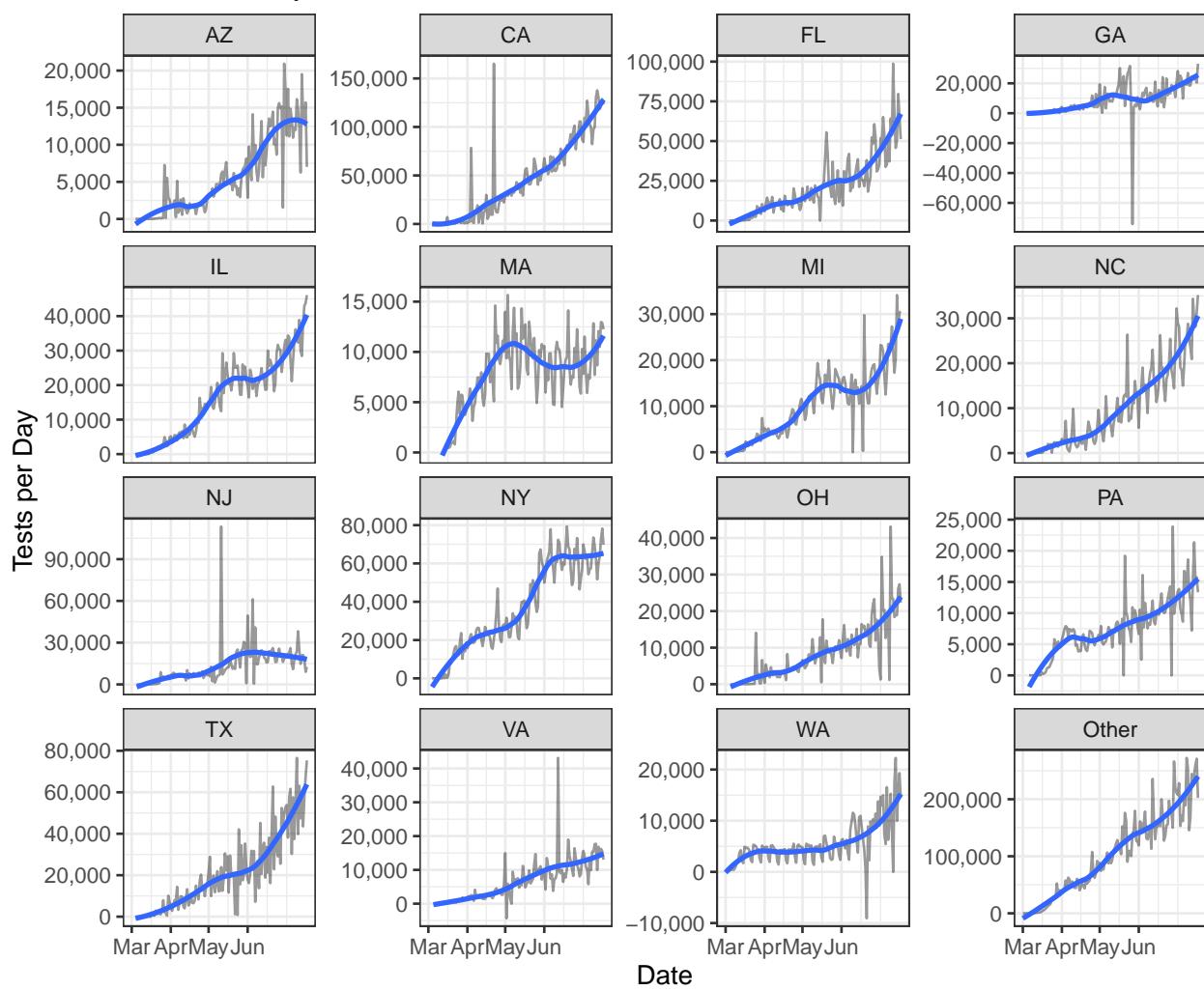


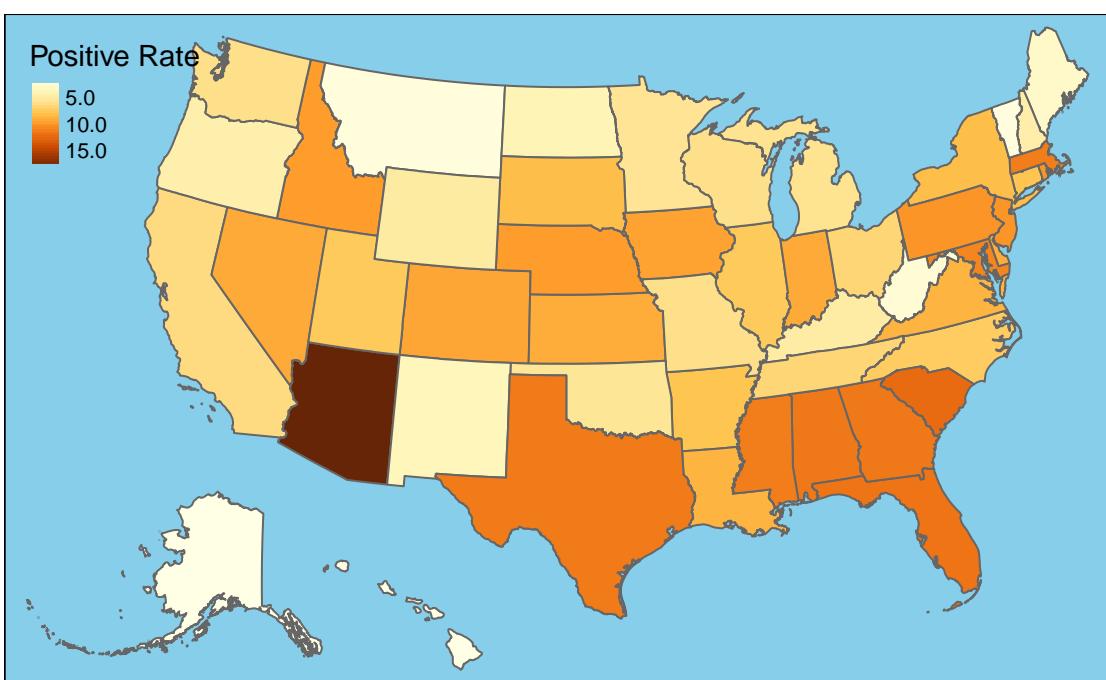
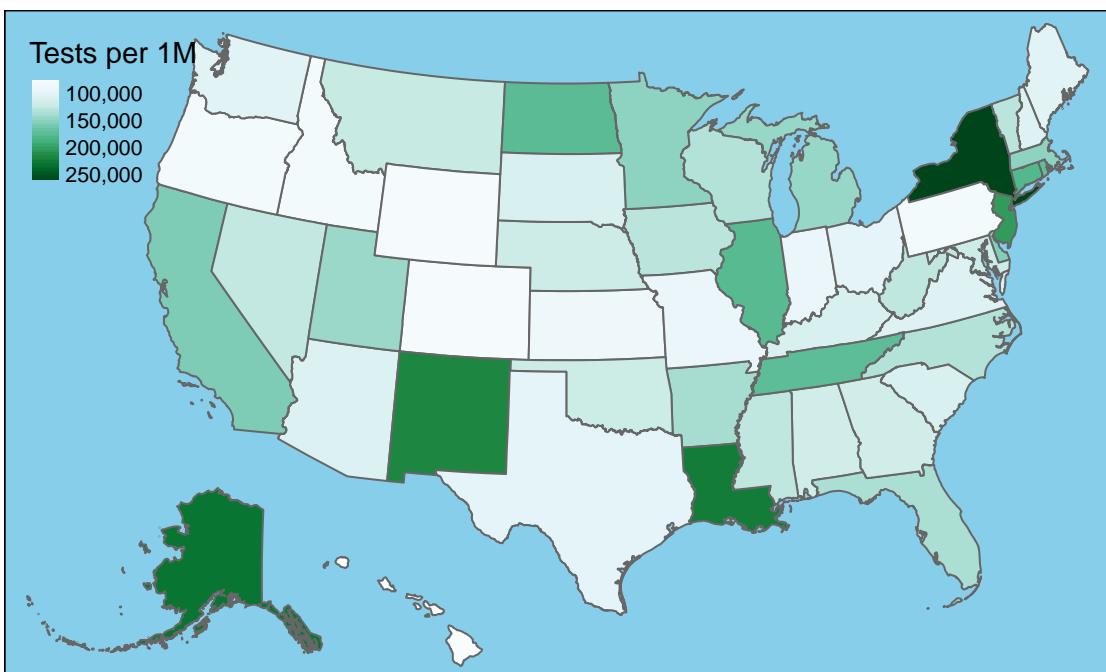
Testing

Tests by State

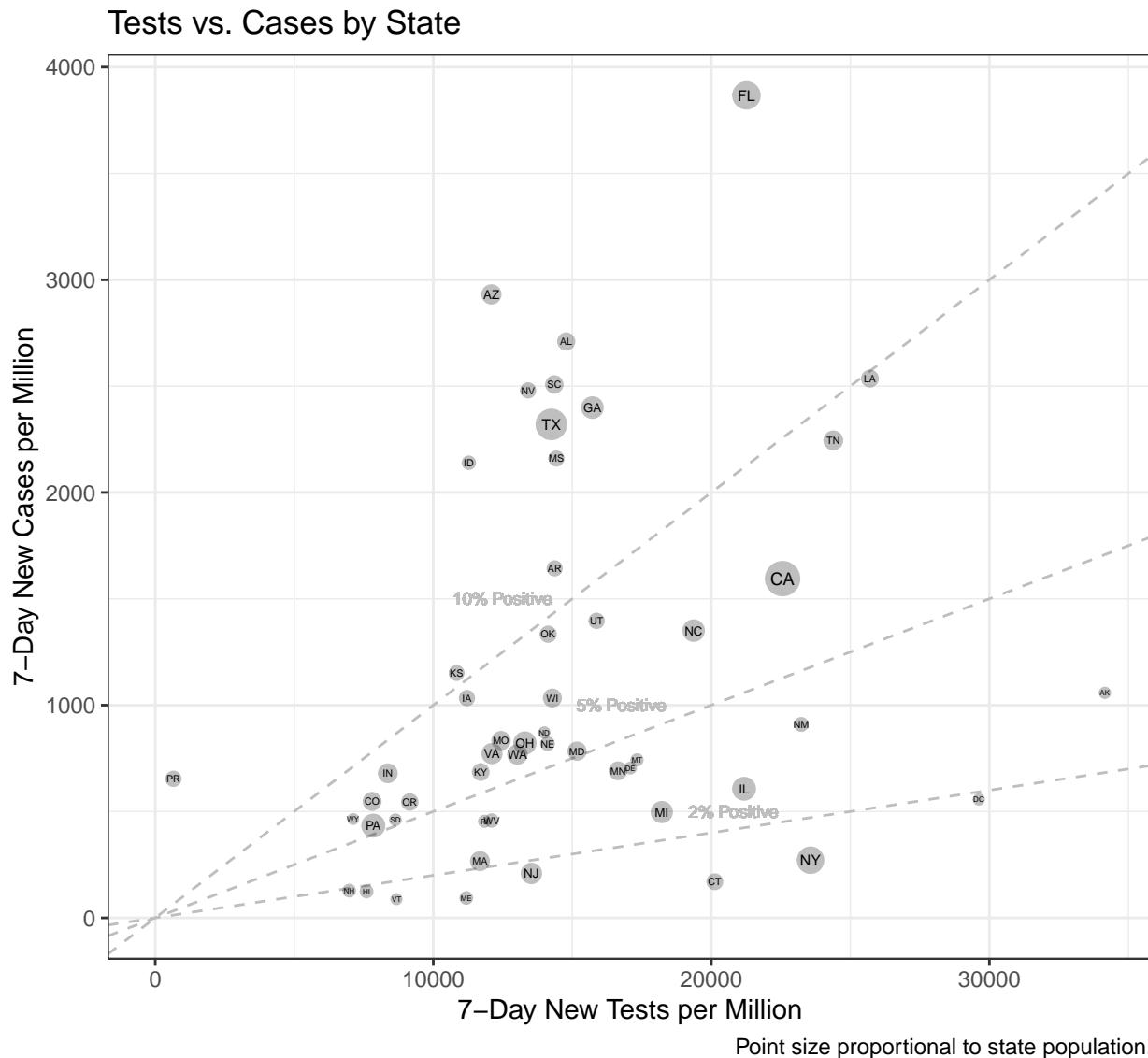


New Tests by State





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.



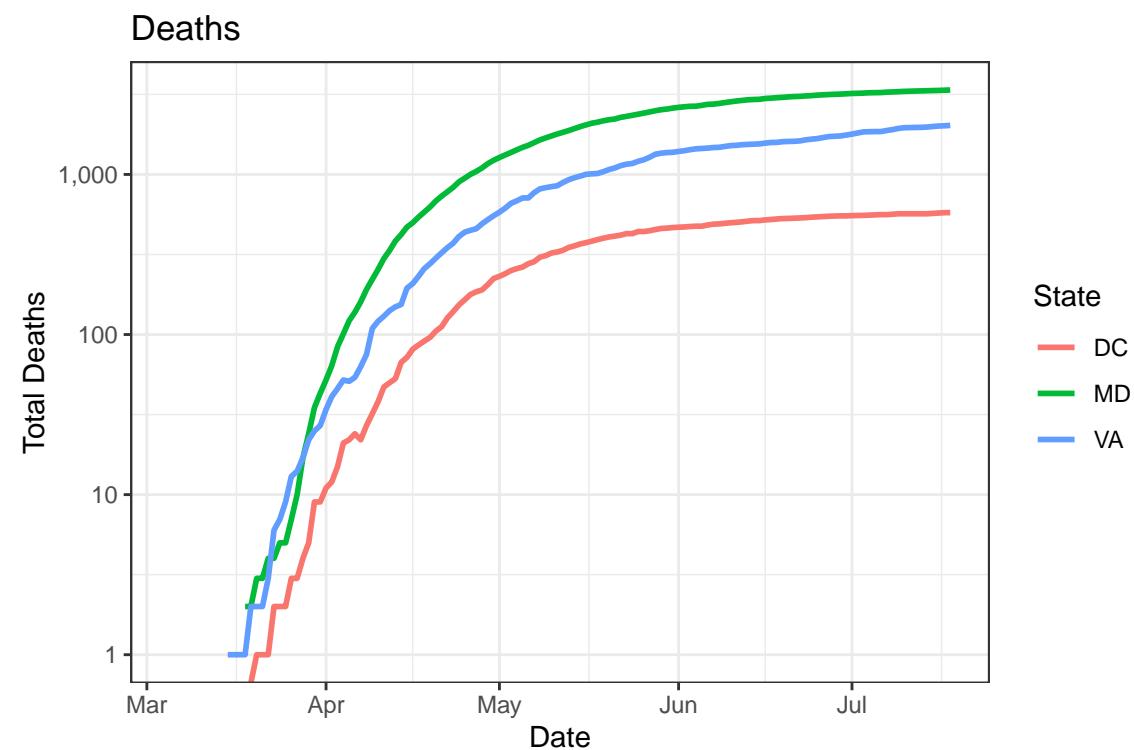
Local Data

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

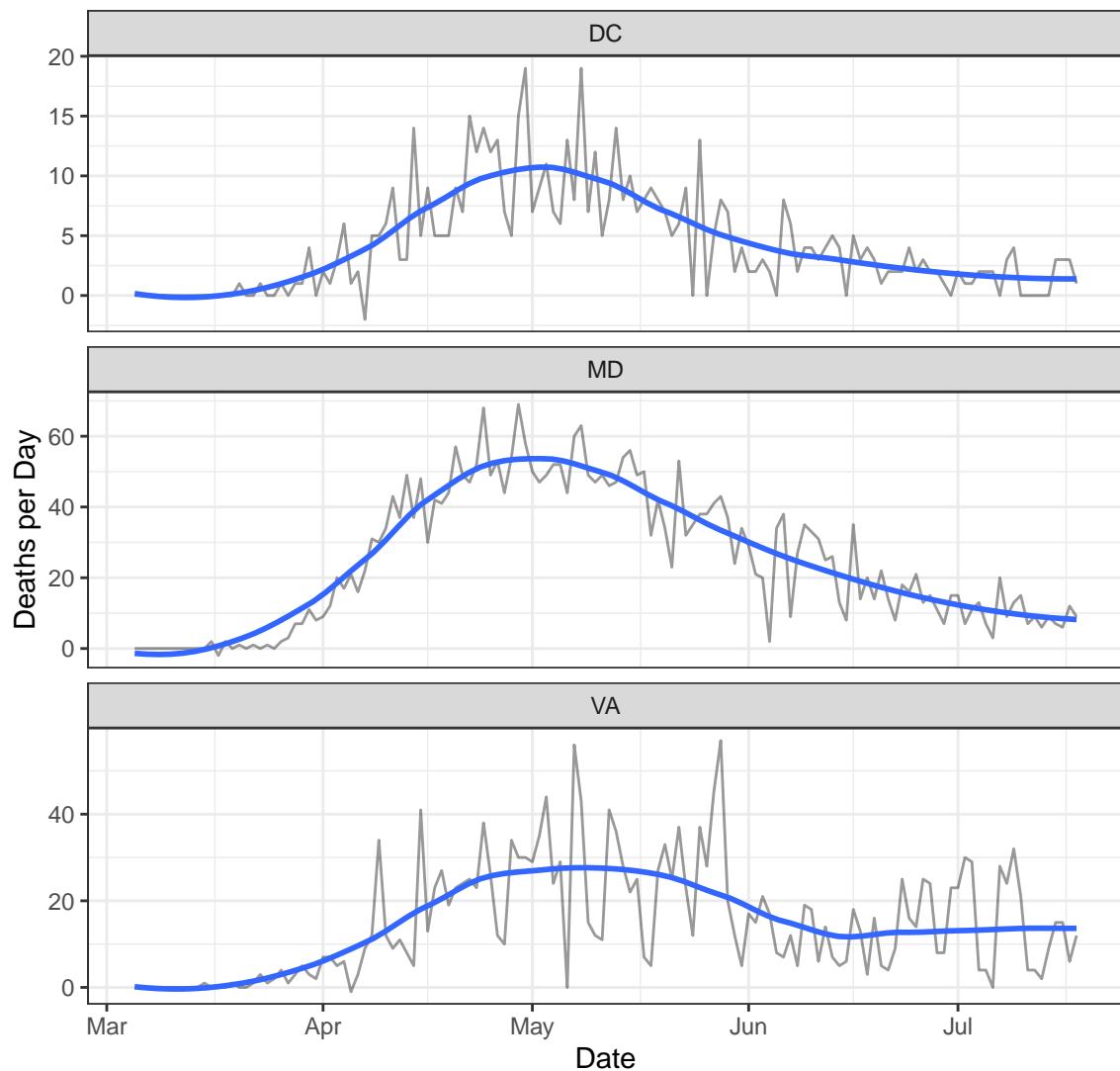
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	11,194	578	79	1
MD	77,206	3,368	835	9
VA	76,373	2,025	940	12

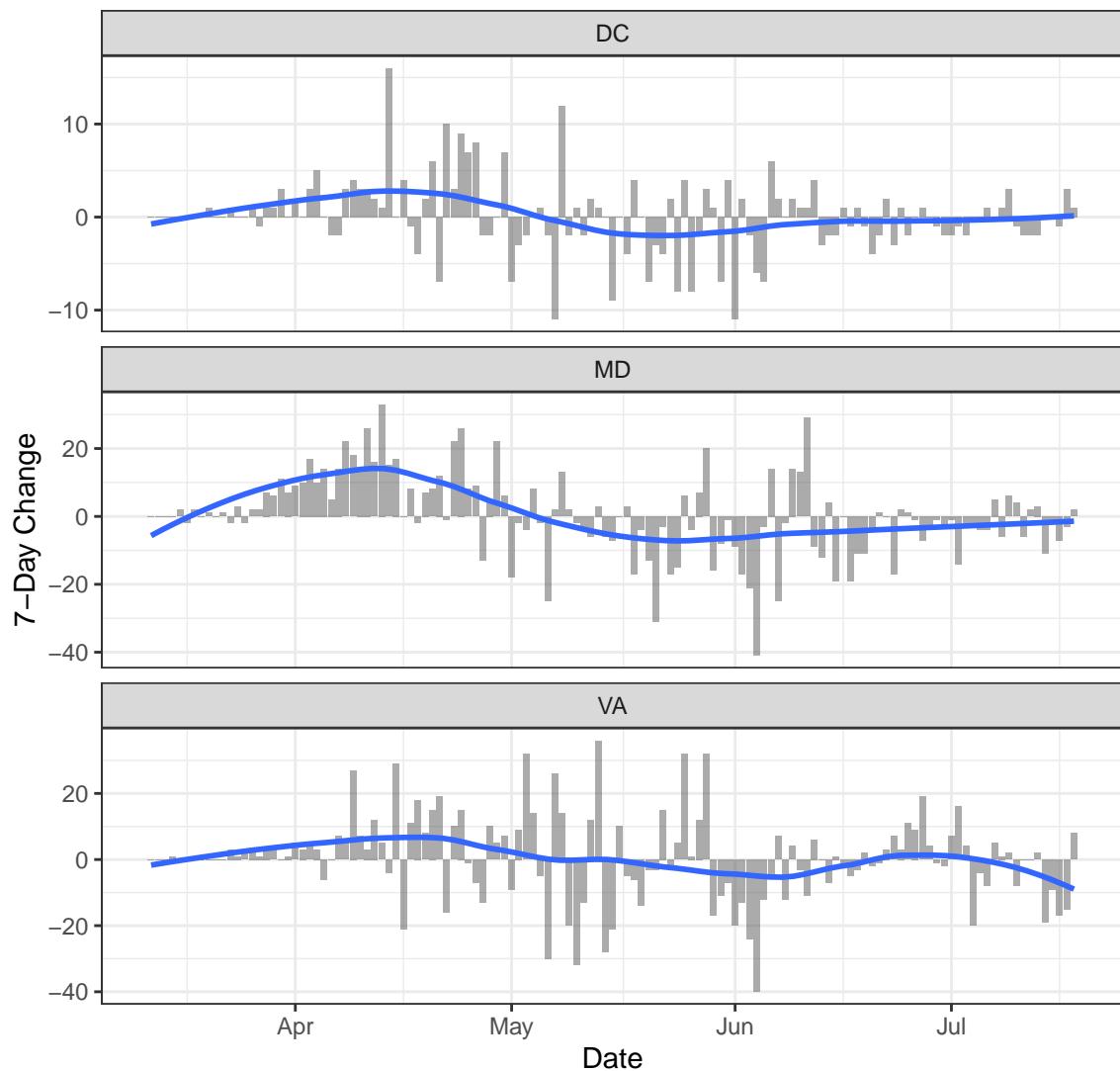
Deaths

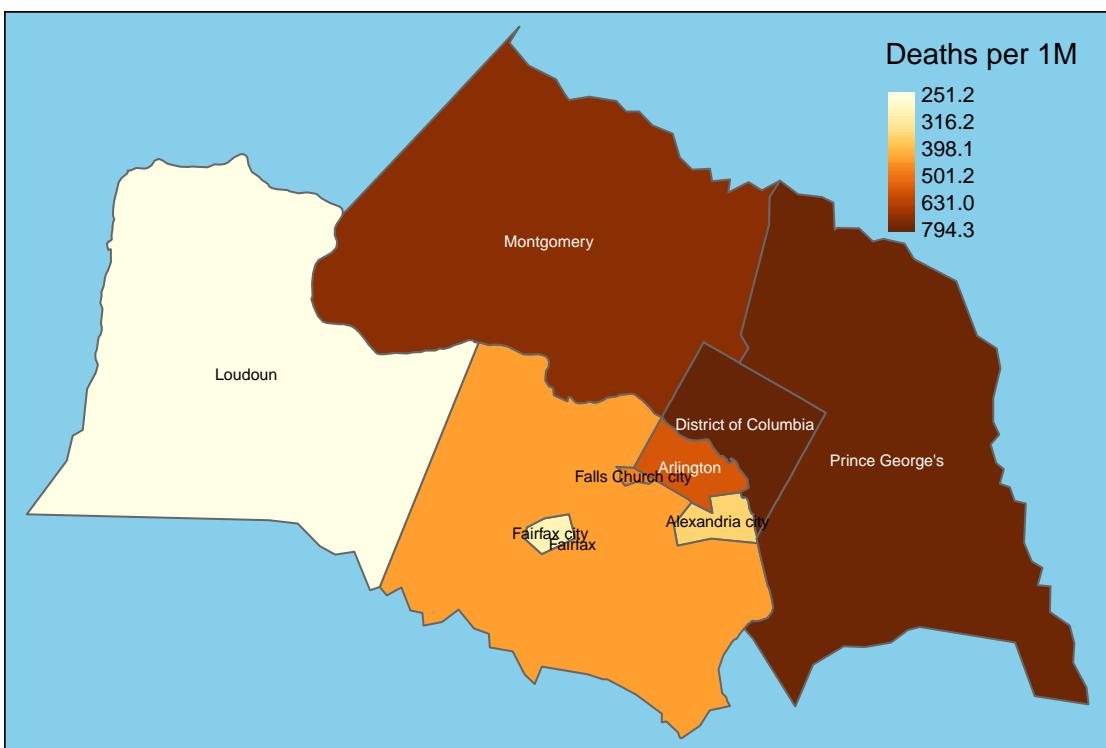
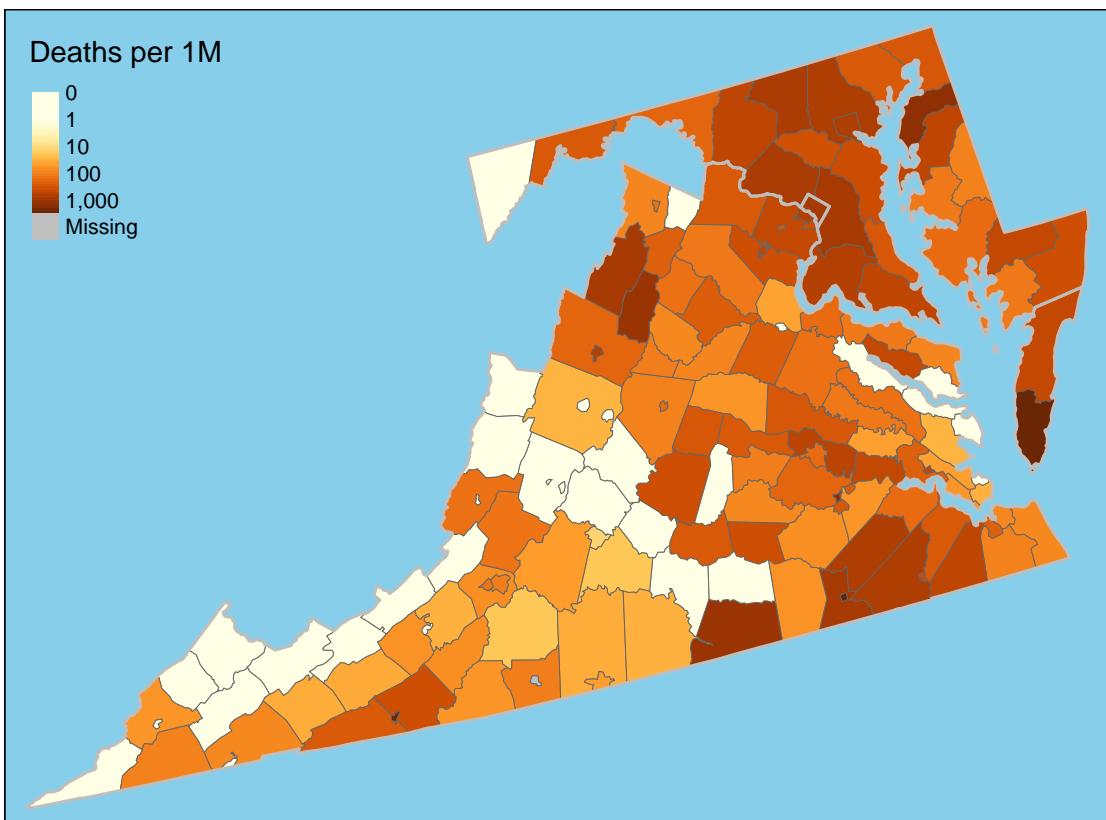


New Deaths

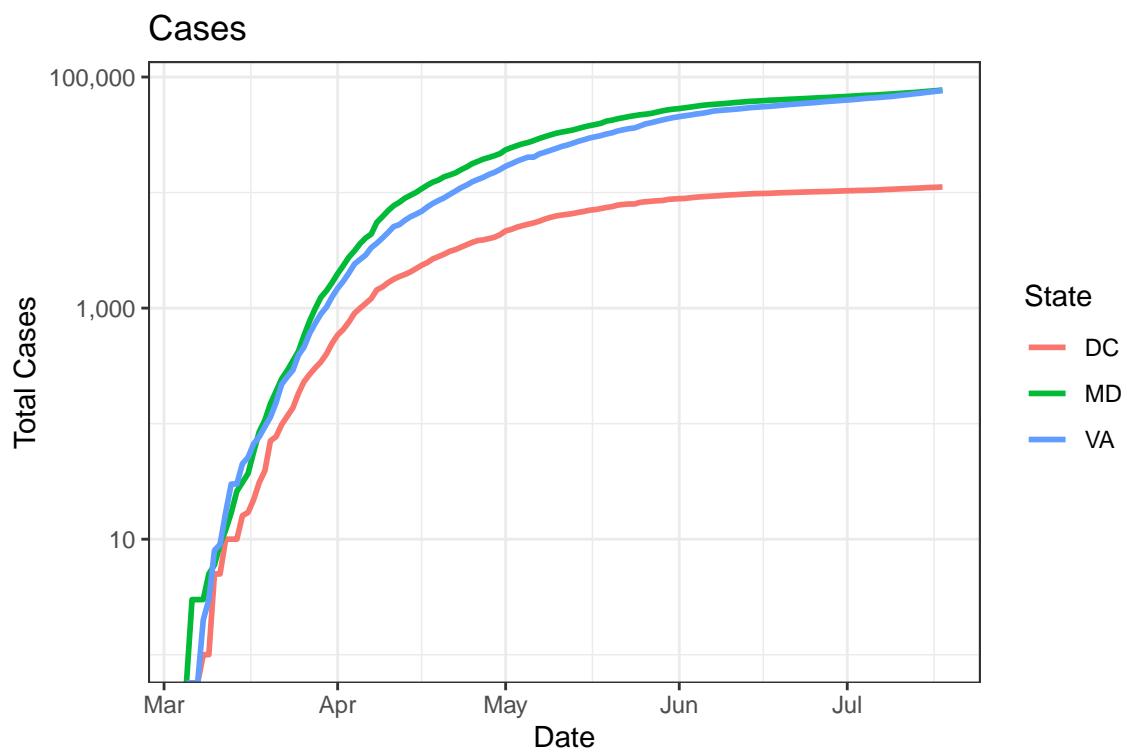


One-Week Change in Daily Deaths

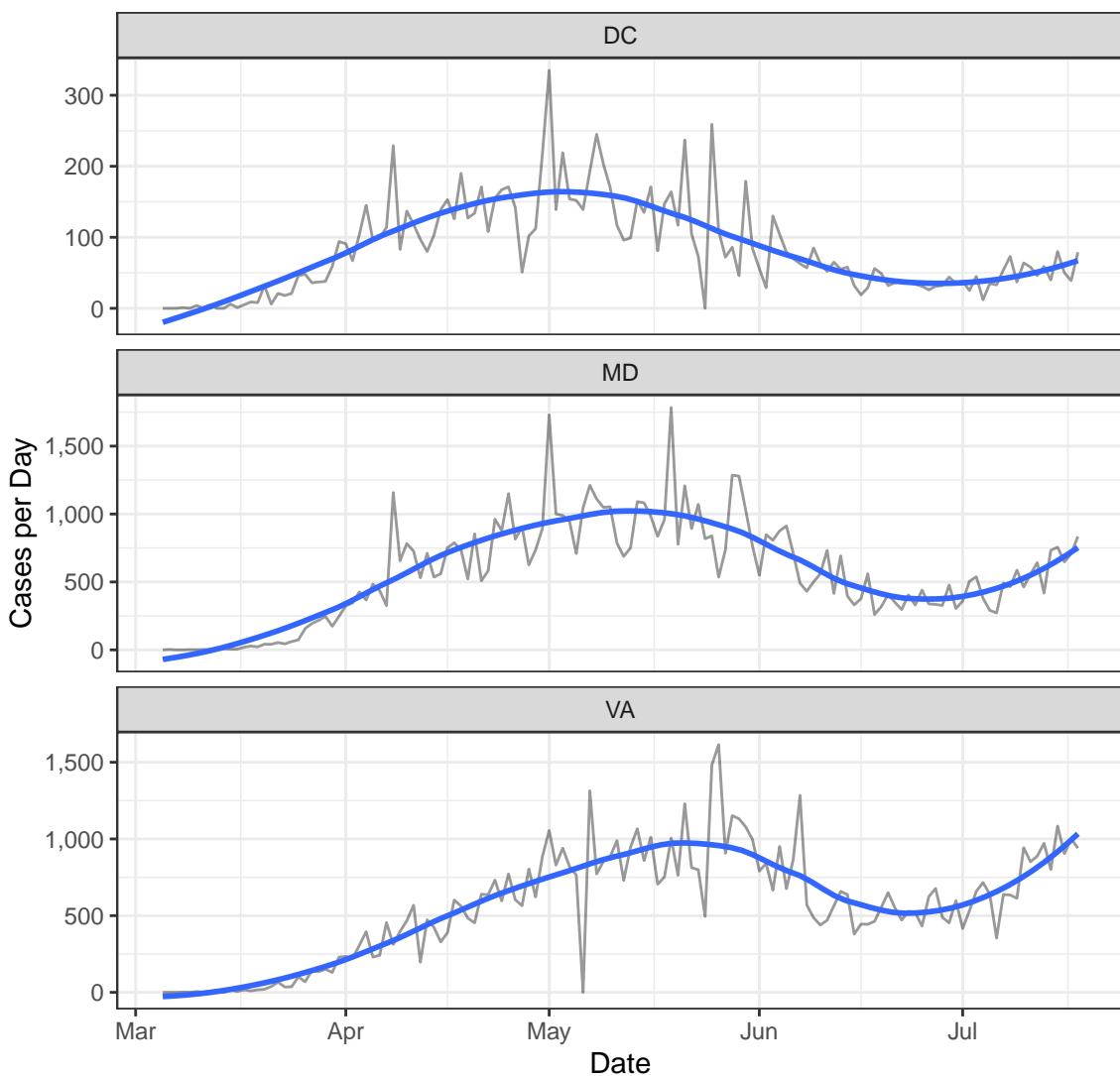




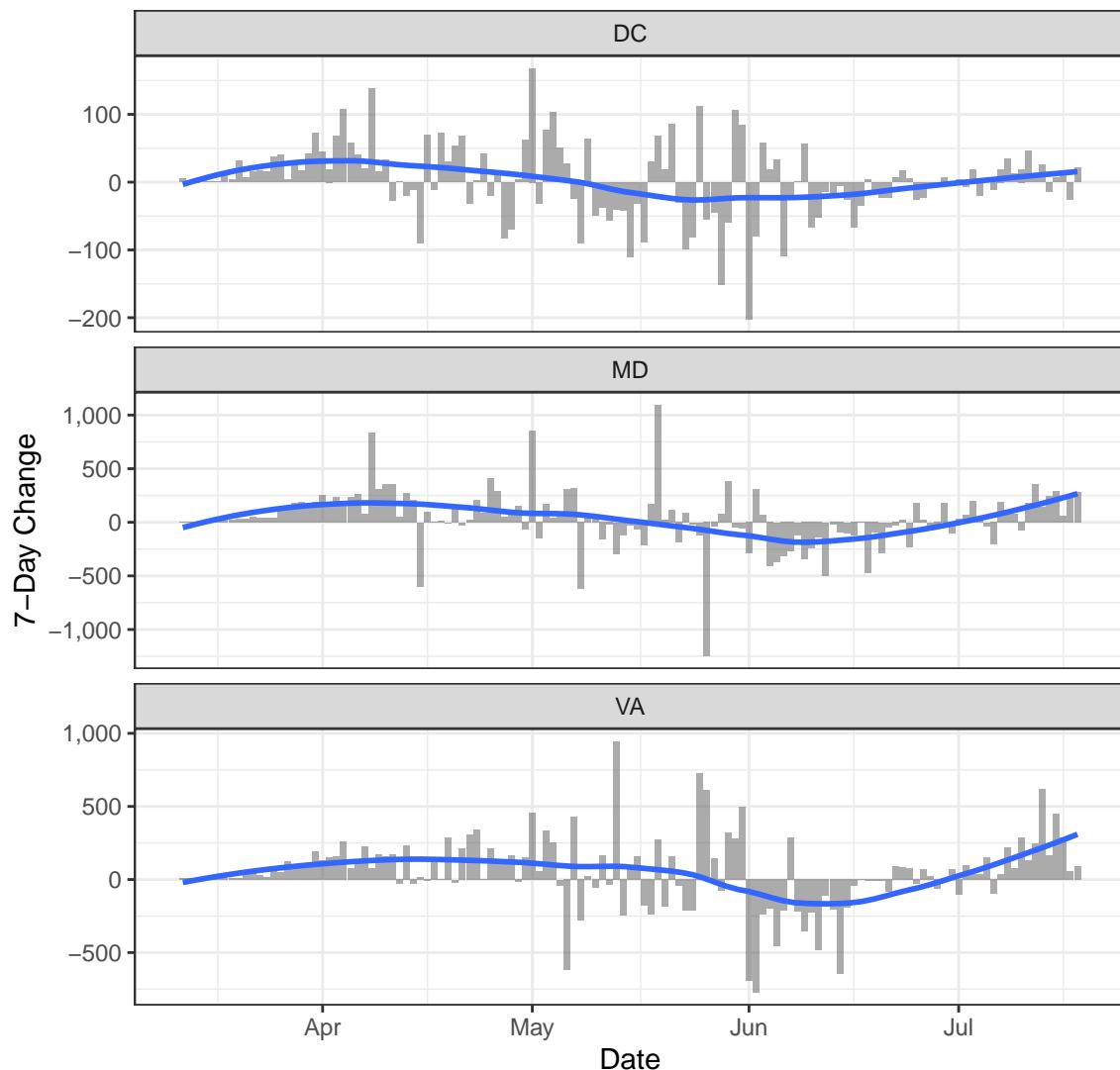
Cases

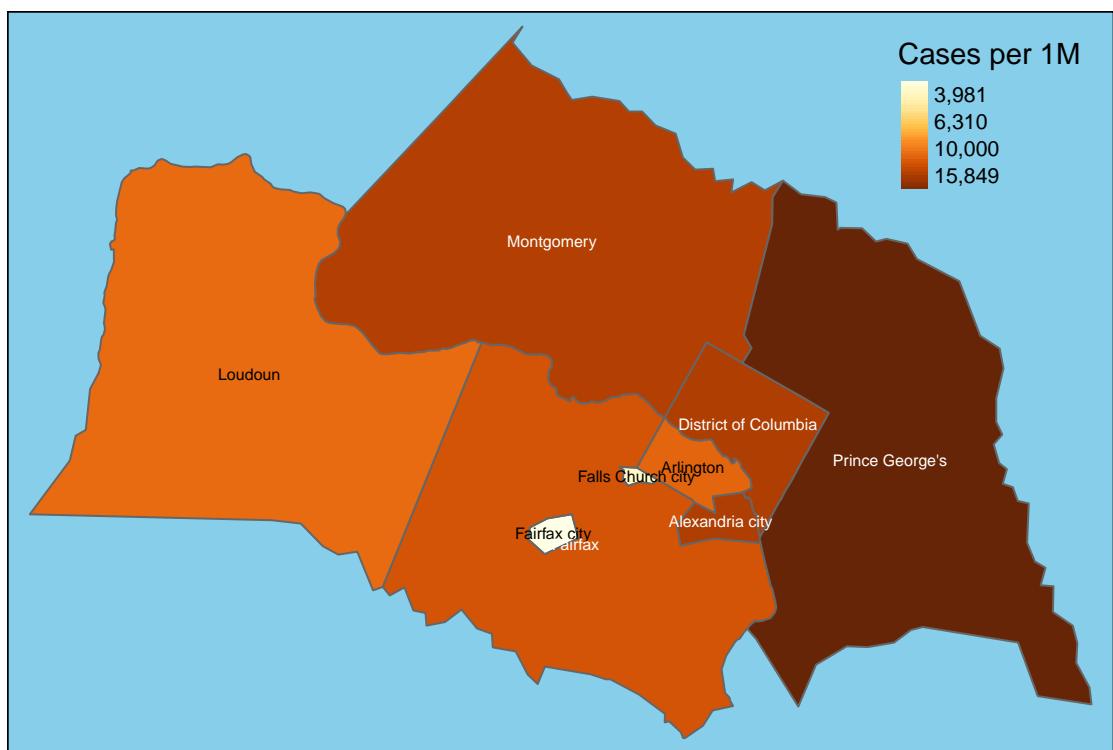
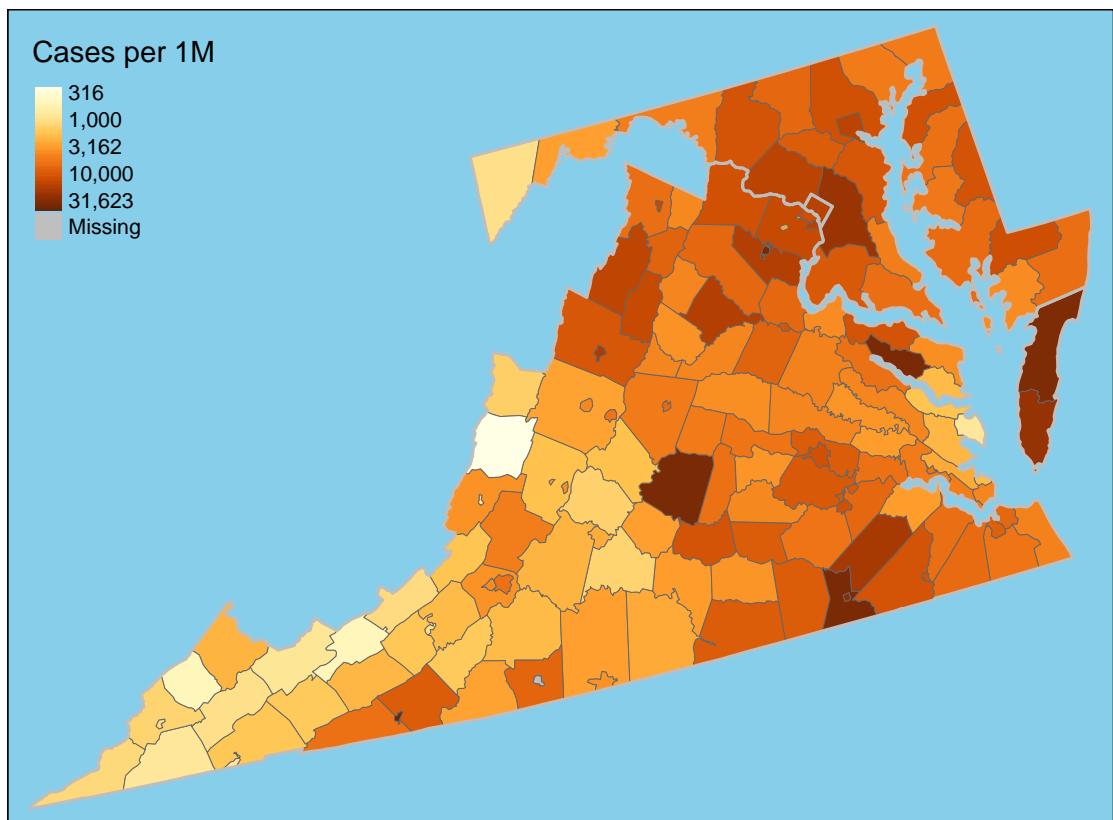


New Cases

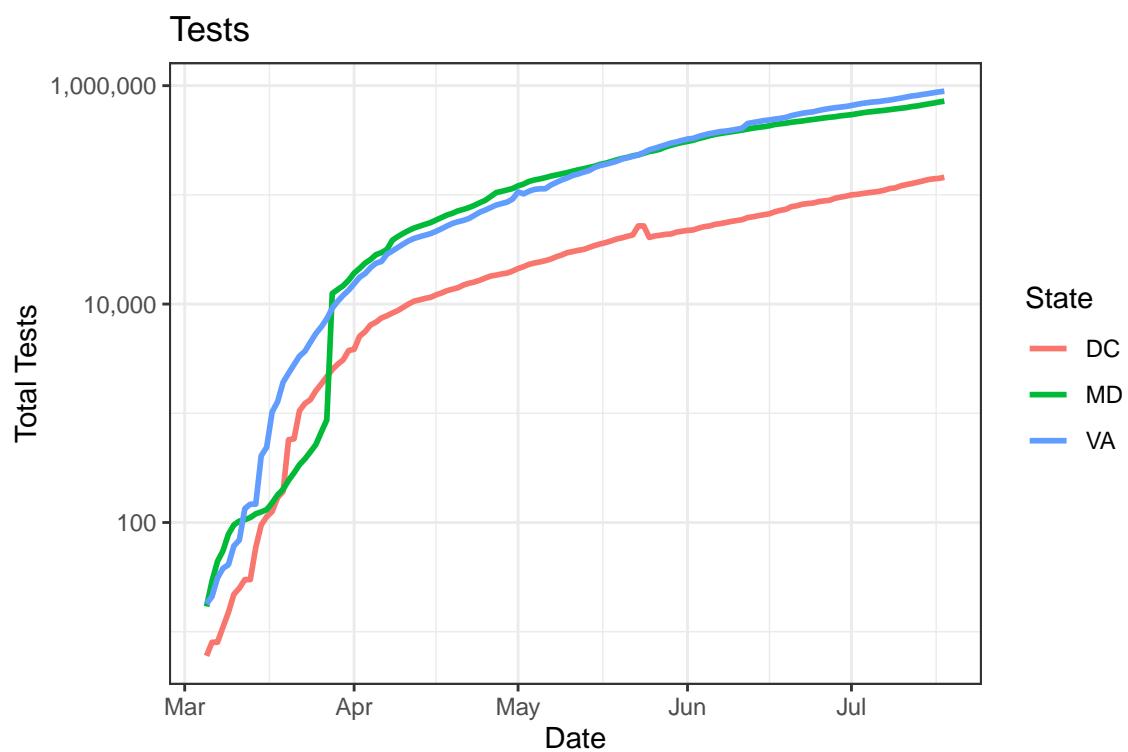


One-Week Change in Daily Cases

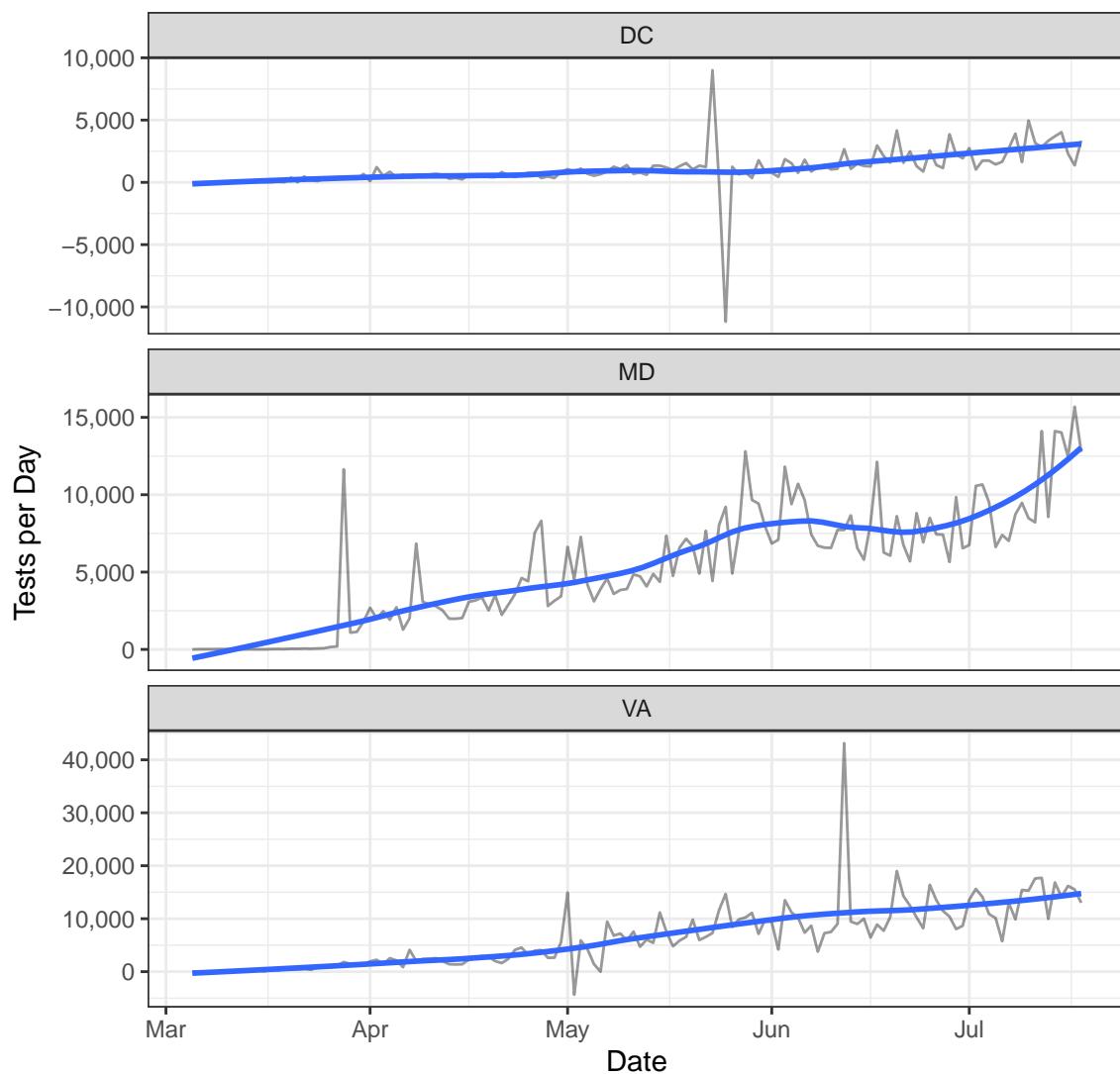




Testing



New Tests



Positive Test Rate

