

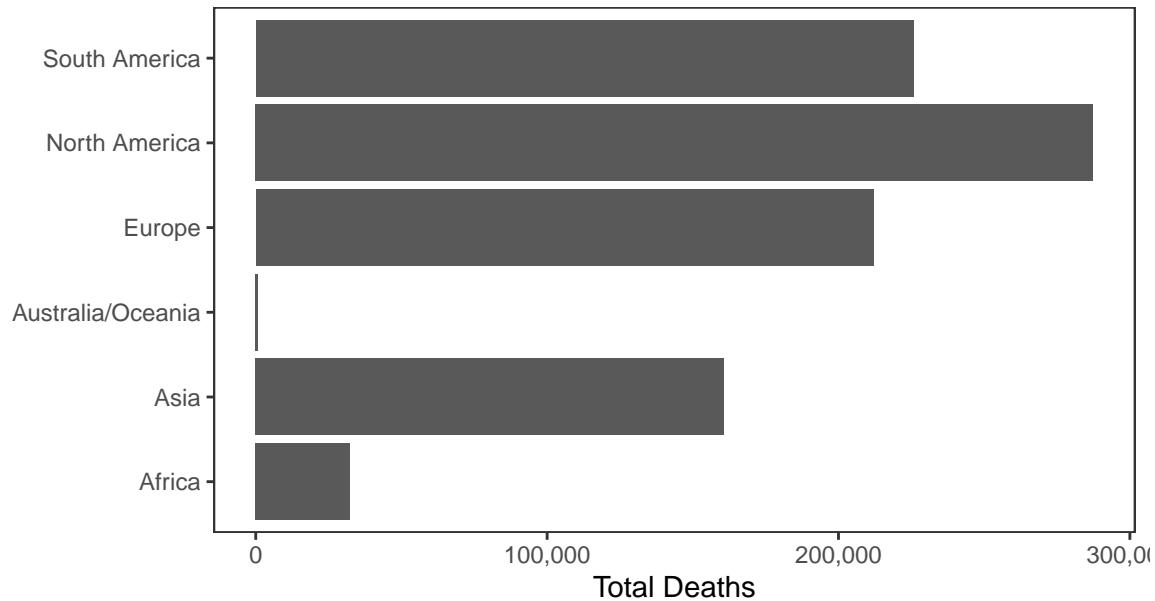
Erik's Covid-19 Chart Pack

Data updated 2020-09-12 13:40:55. 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 28,647,971 confirmed Covid-19 cases and 919,097 deaths worldwide.

Deaths



Cases

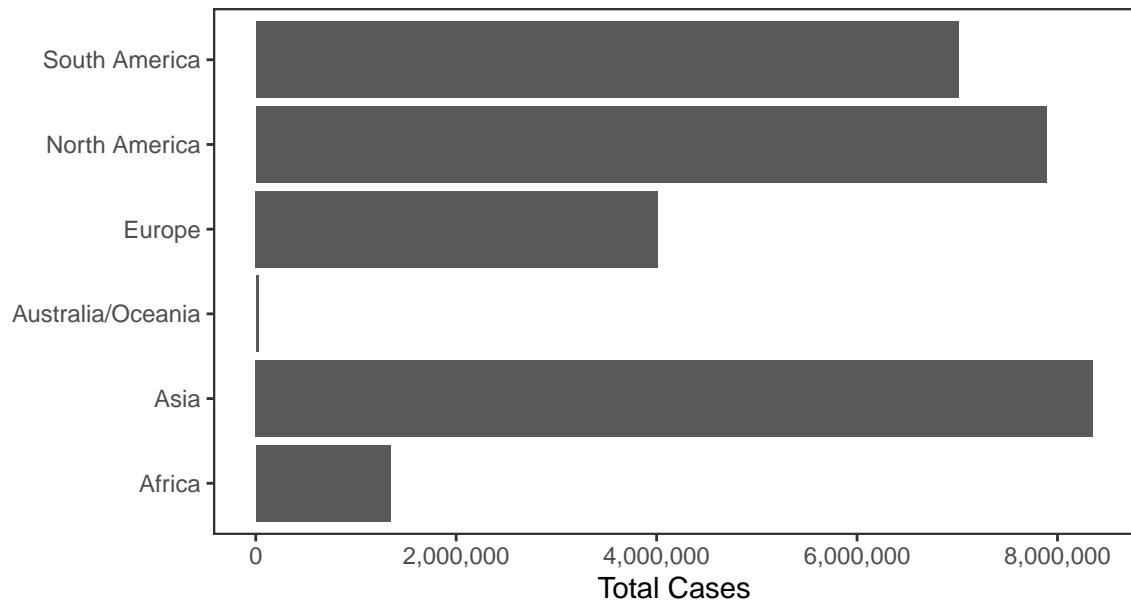
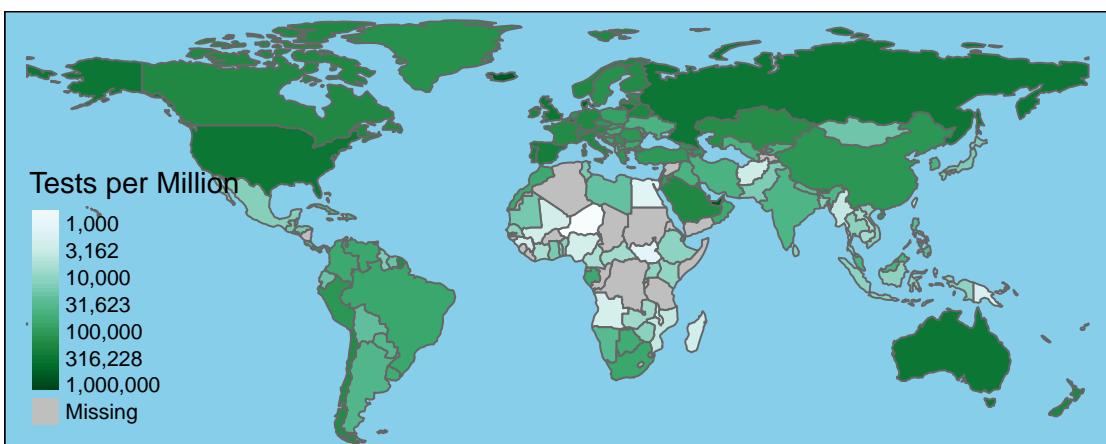
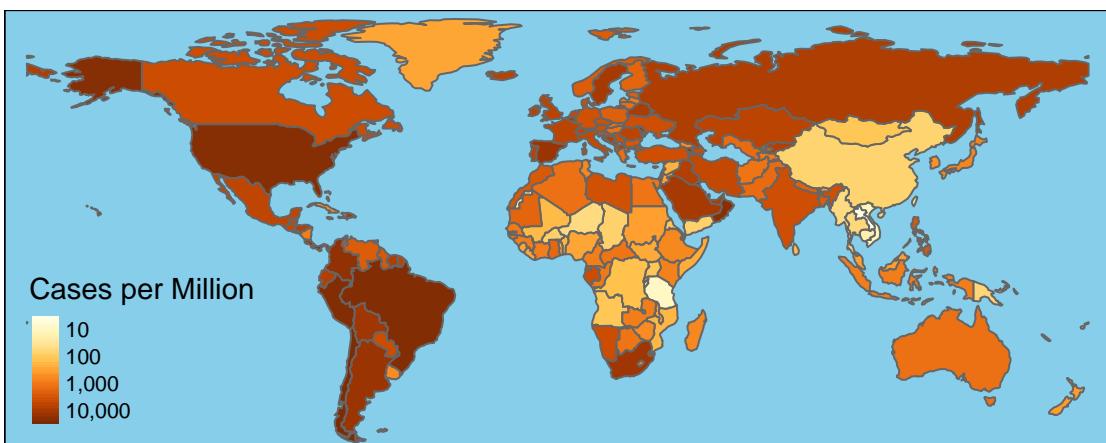
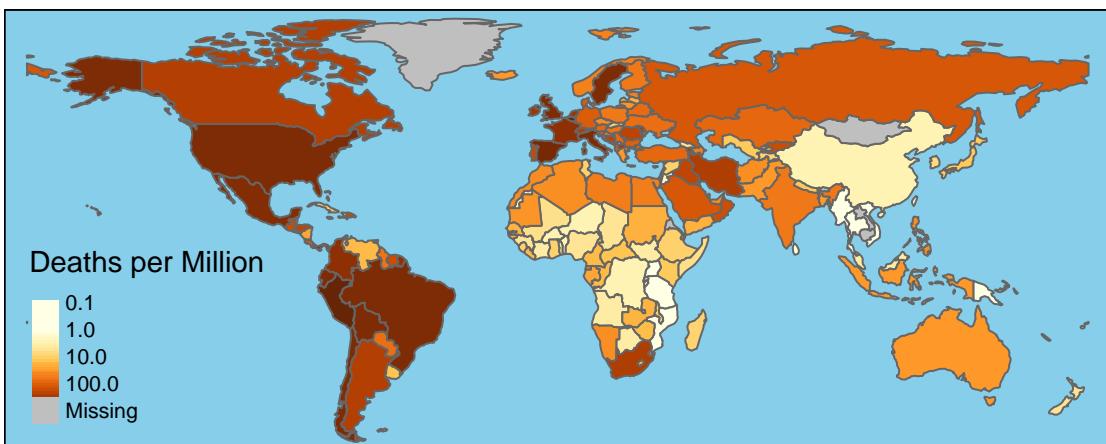


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,636,247	197,421	46,600	1,094
India	4,657,379	77,506	97,654	1,202
Brazil	4,283,978	130,474	44,215	899
Russia	1,051,874	18,365	5,504	102
Peru	716,670	30,470	6,603	126
Colombia	702,088	22,518	7,424	243
Mexico	652,364	69,649	4,857	554
South Africa	646,398	15,378	1,960	113
Spain	576,697	29,747	4,708	48
Argentina	535,705	11,148	11,507	241
Chile	430,535	11,850	1,860	69
Iran	397,801	22,913	2,313	115
France	363,350	30,893	9,406	80
UK	361,677	41,614	3,539	6
Bangladesh	334,762	4,668	1,792	34
Saudi Arabia	324,407	4,213	687	24
Pakistan	300,371	6,370	516	5
Turkey	288,126	6,951	1,671	56
Italy	284,796	35,597	1,616	10
Iraq	282,672	7,881	4,254	67



National Data

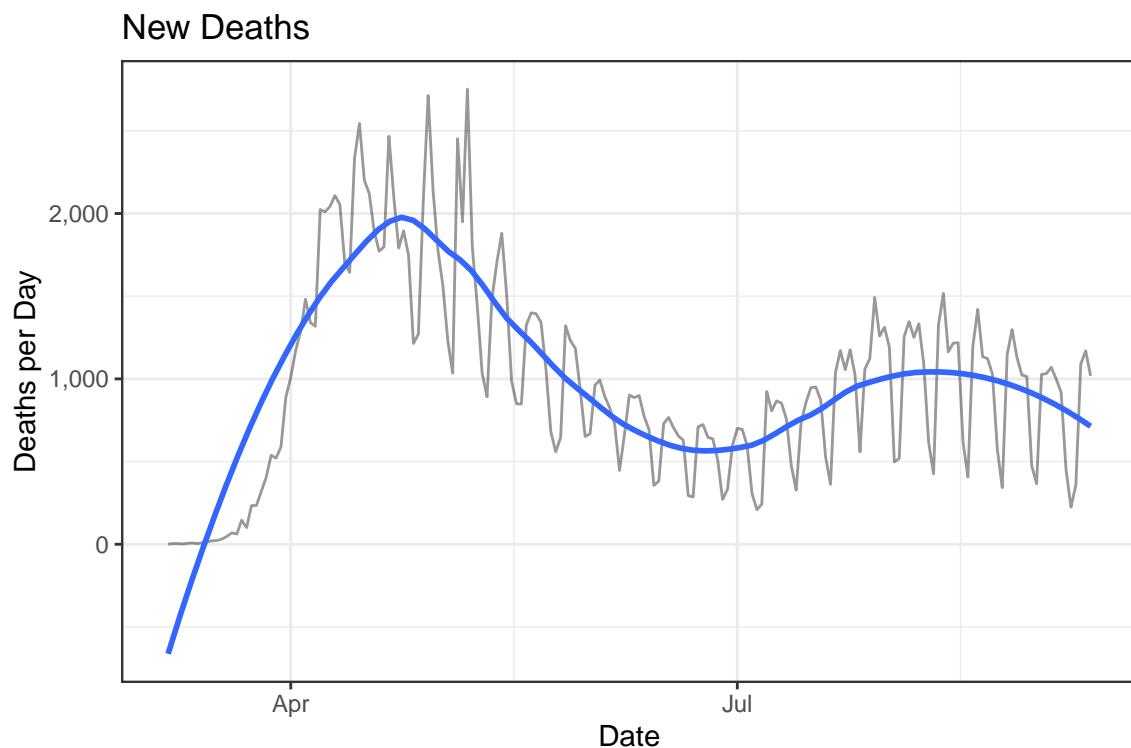
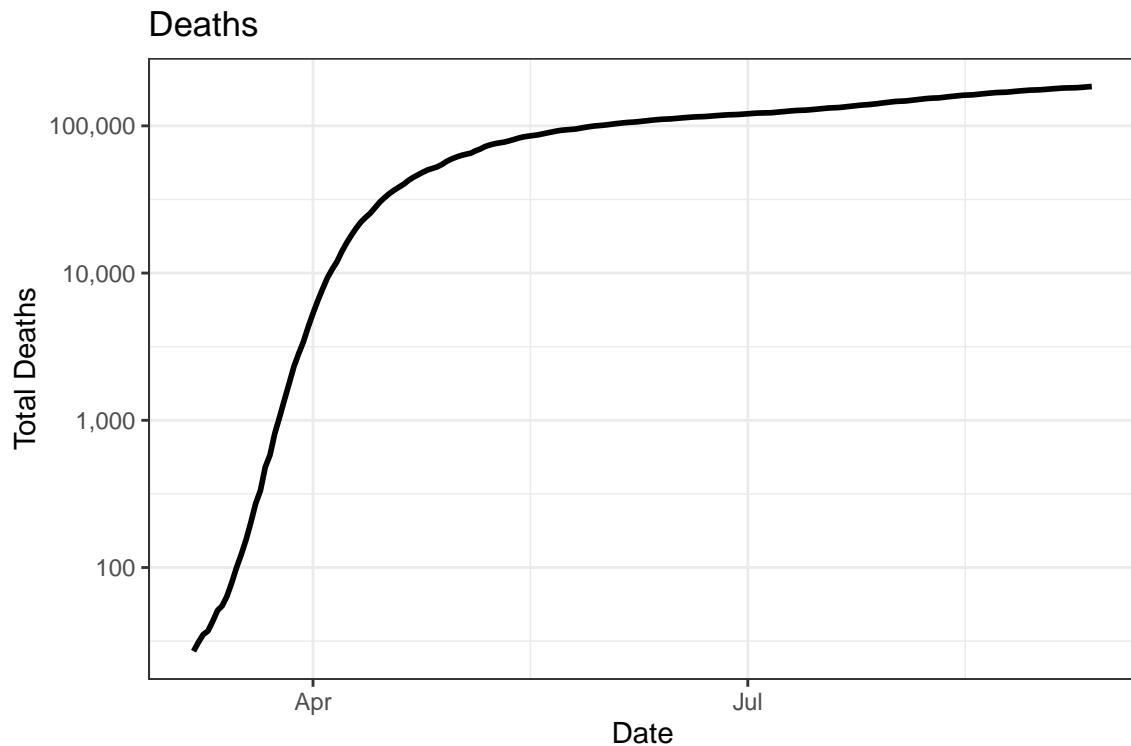
There have been 6,411,913 confirmed Covid-19 cases and 184,967 deaths in the United States.

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

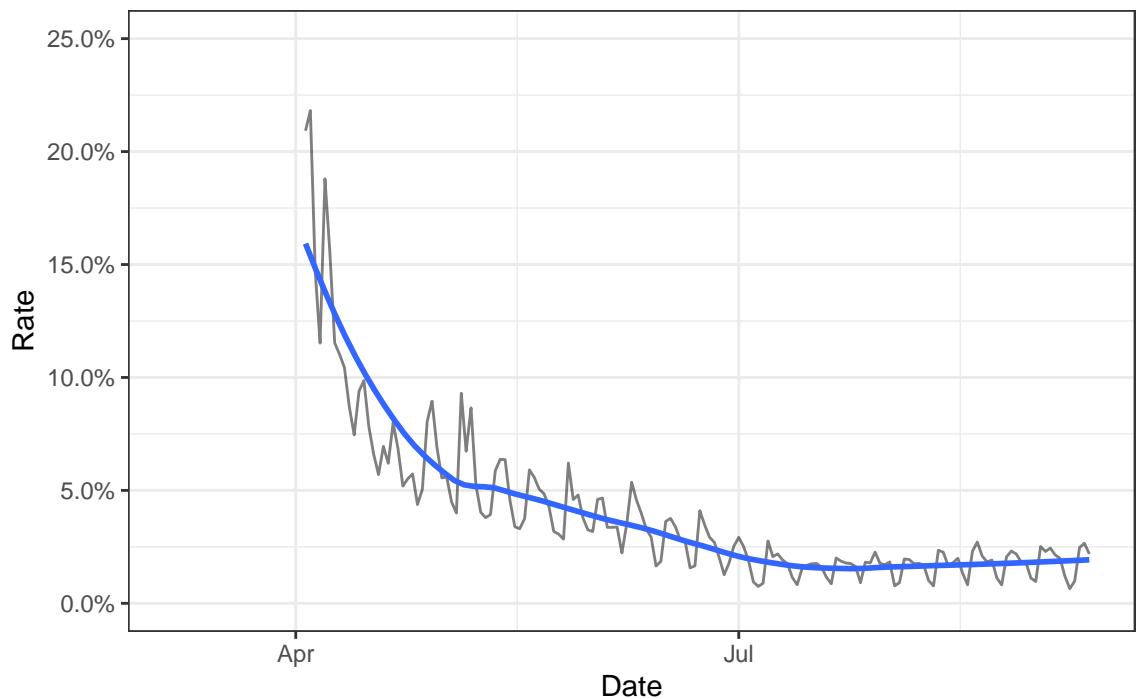
Date	Cases	Deaths	New Cases	New Deaths
2020-09-11	6,411,913	184,967	44,927	1,018
2020-09-10	6,366,986	183,949	37,581	1,170
2020-09-09	6,329,405	182,779	30,983	1,089
2020-09-08	6,298,422	181,690	22,223	358
2020-09-07	6,276,199	181,332	28,682	225
2020-09-06	6,247,517	181,107	33,117	449
2020-09-05	6,214,400	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
2020-08-29	5,929,247	174,772	44,501	1,015

Deaths

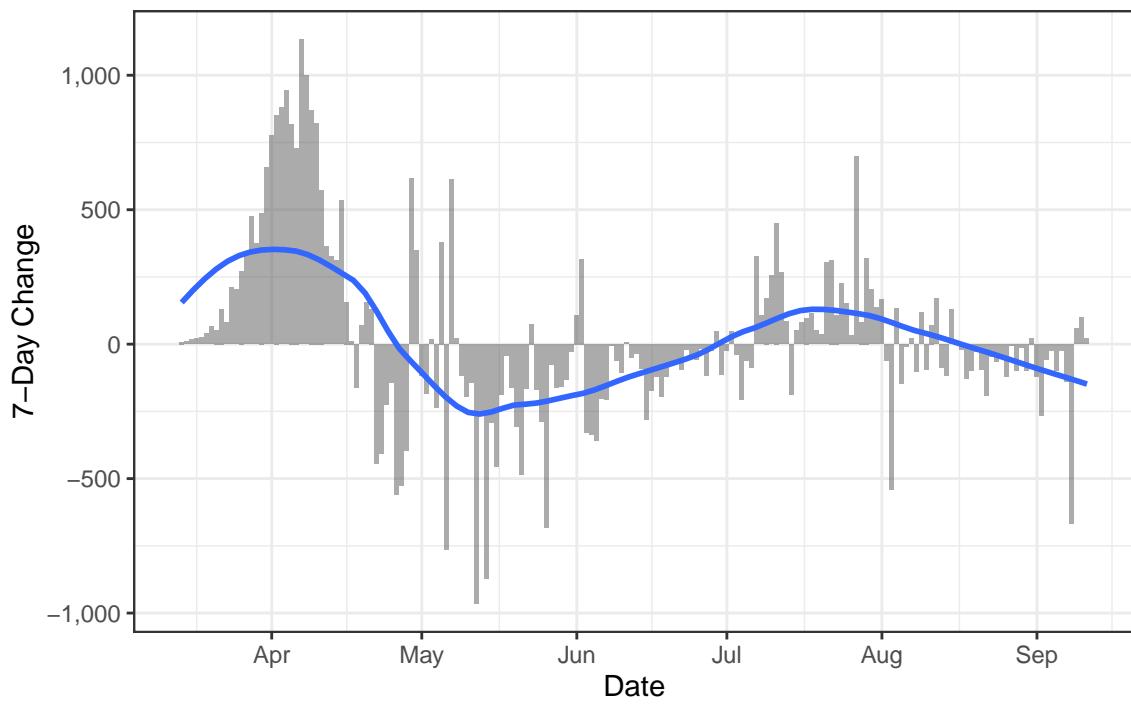
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

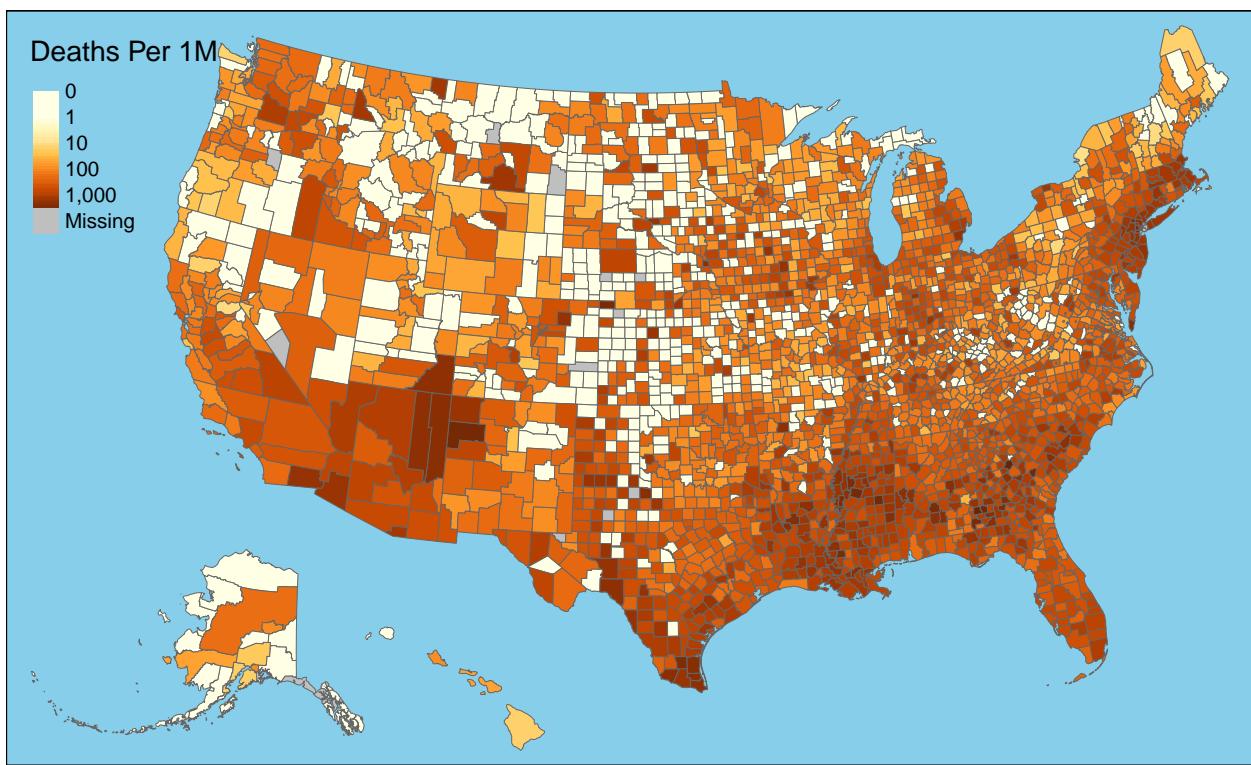


Daily Case Mortality Rate



One-Week Change in Daily Deaths

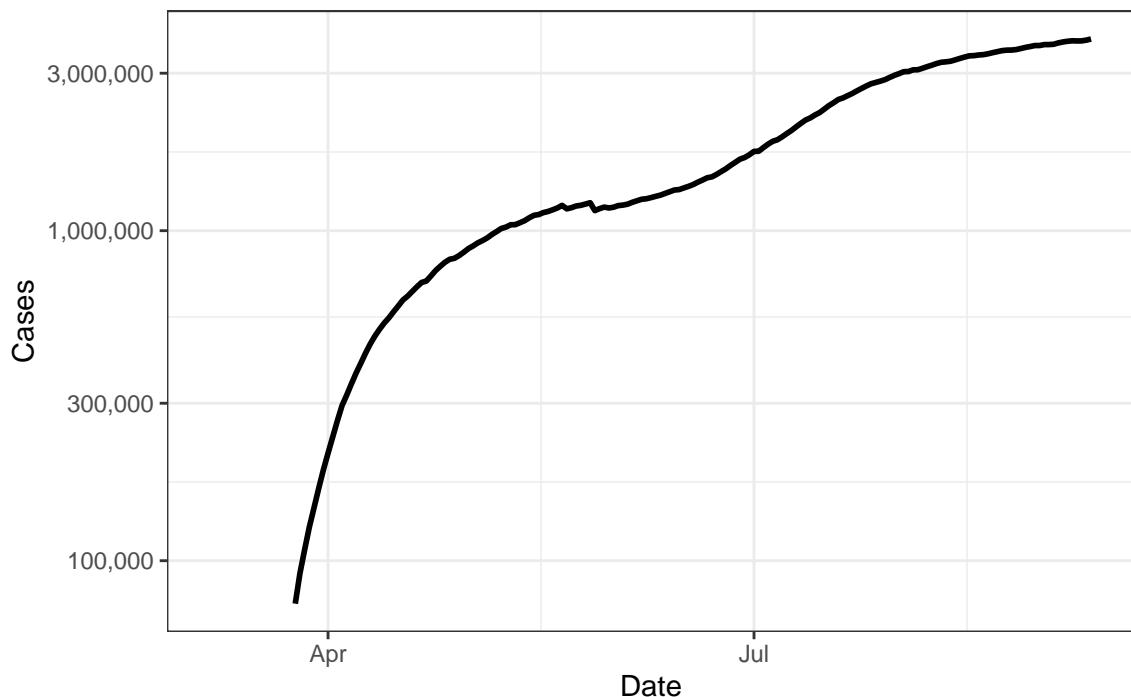




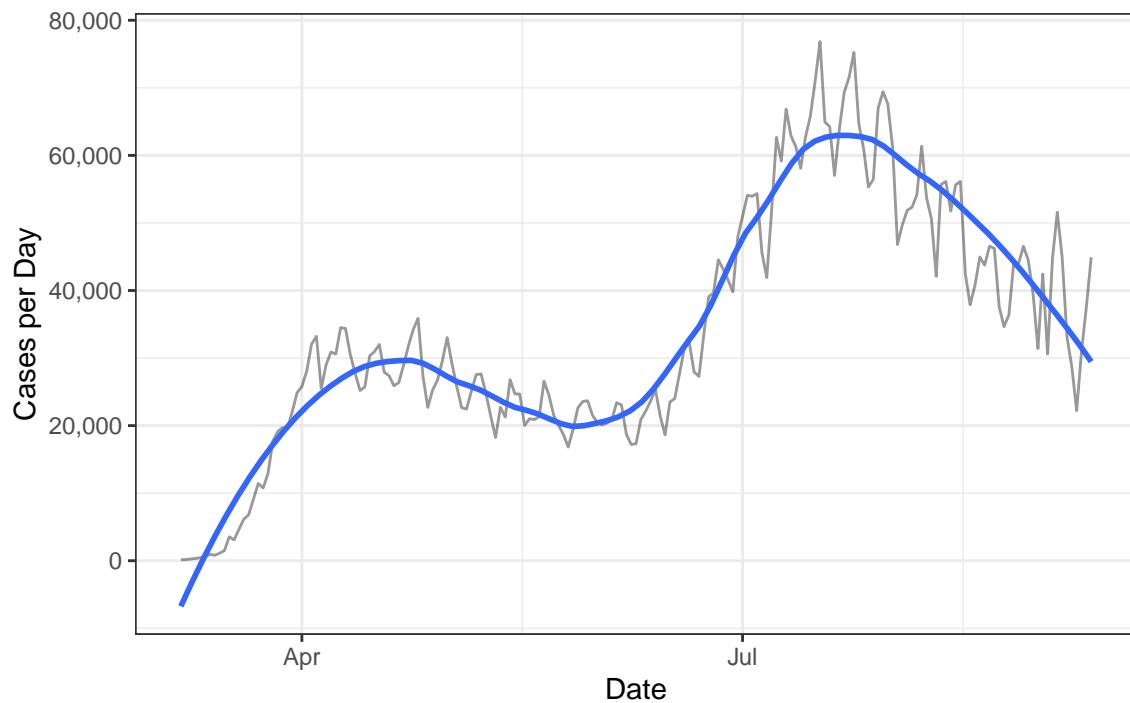
Cases

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

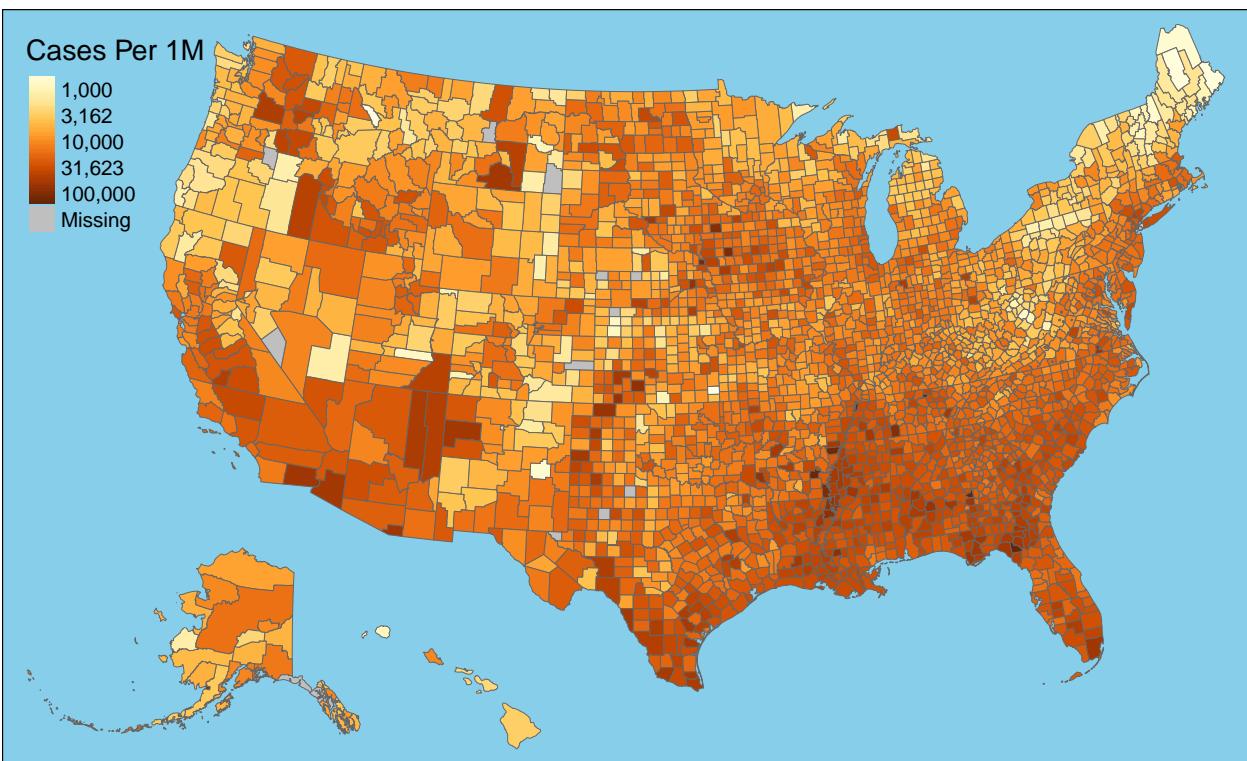
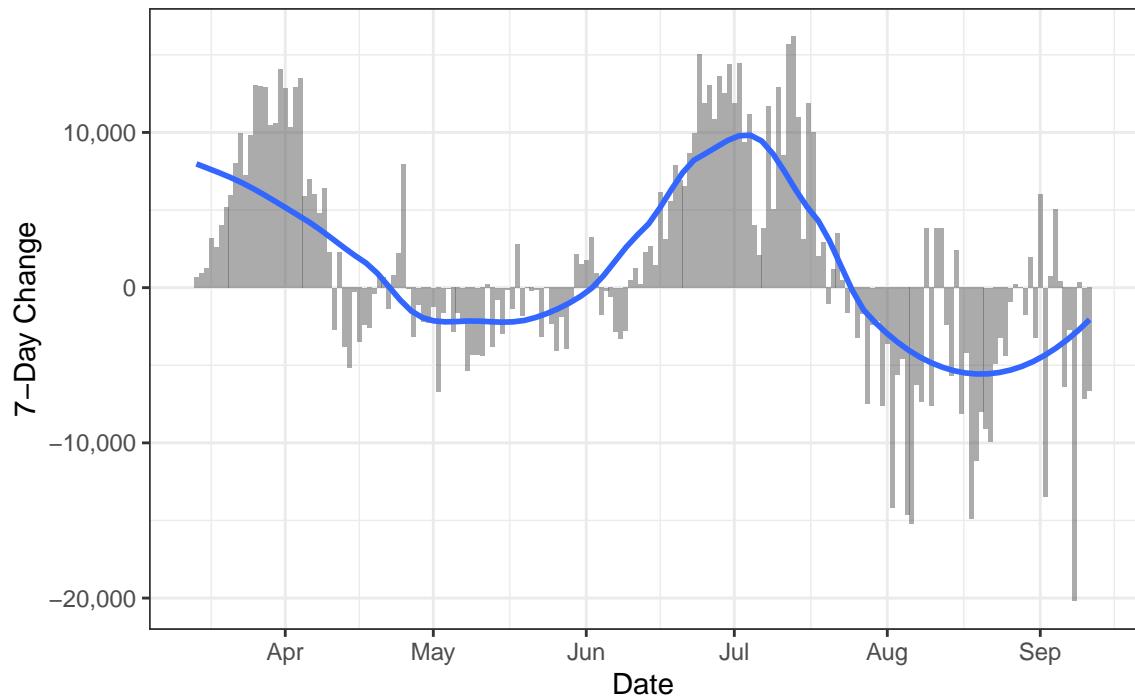
Active Cases



New Cases

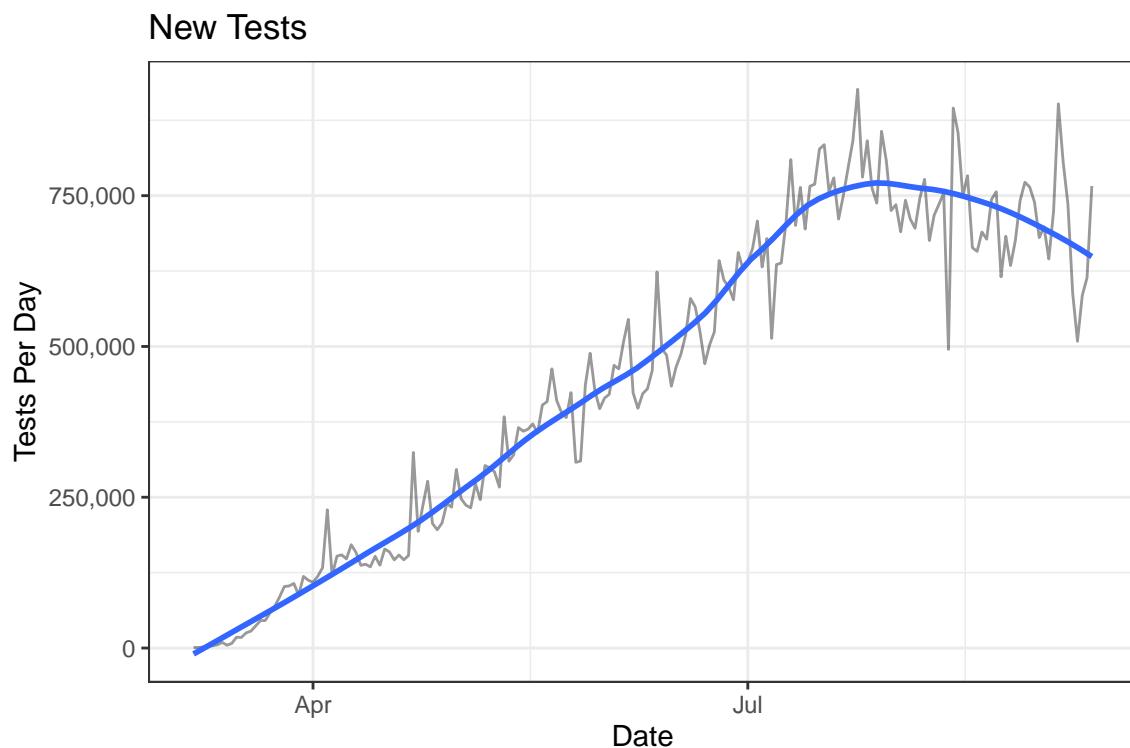
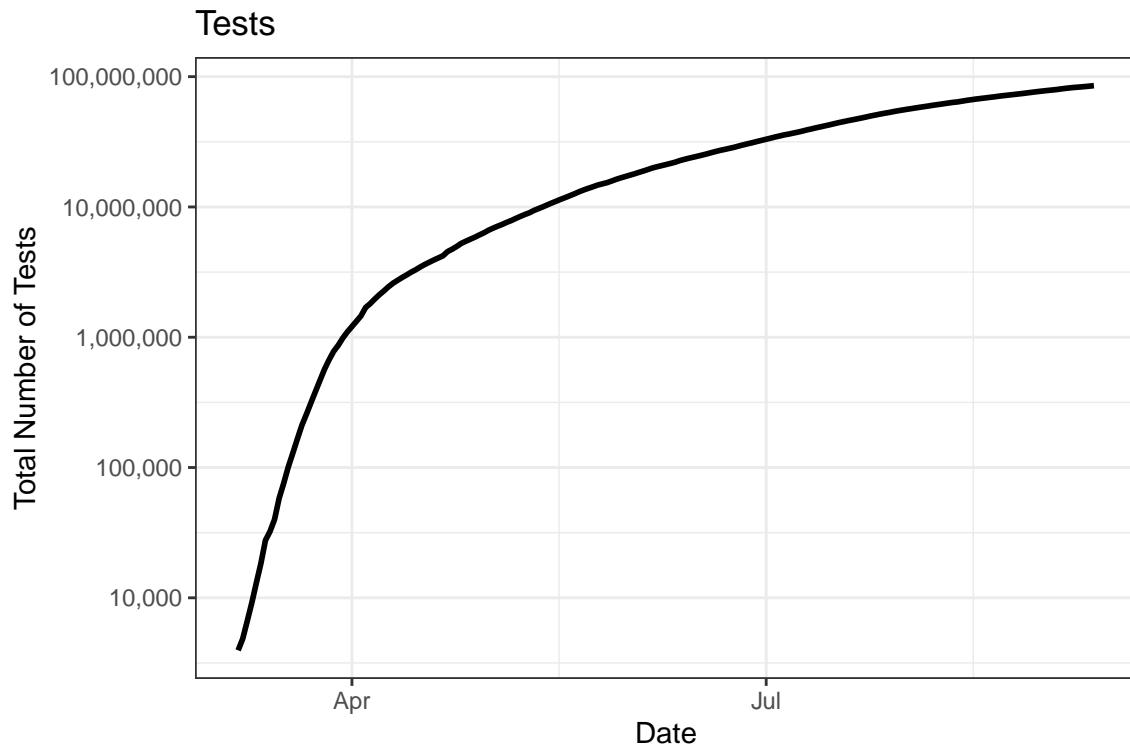


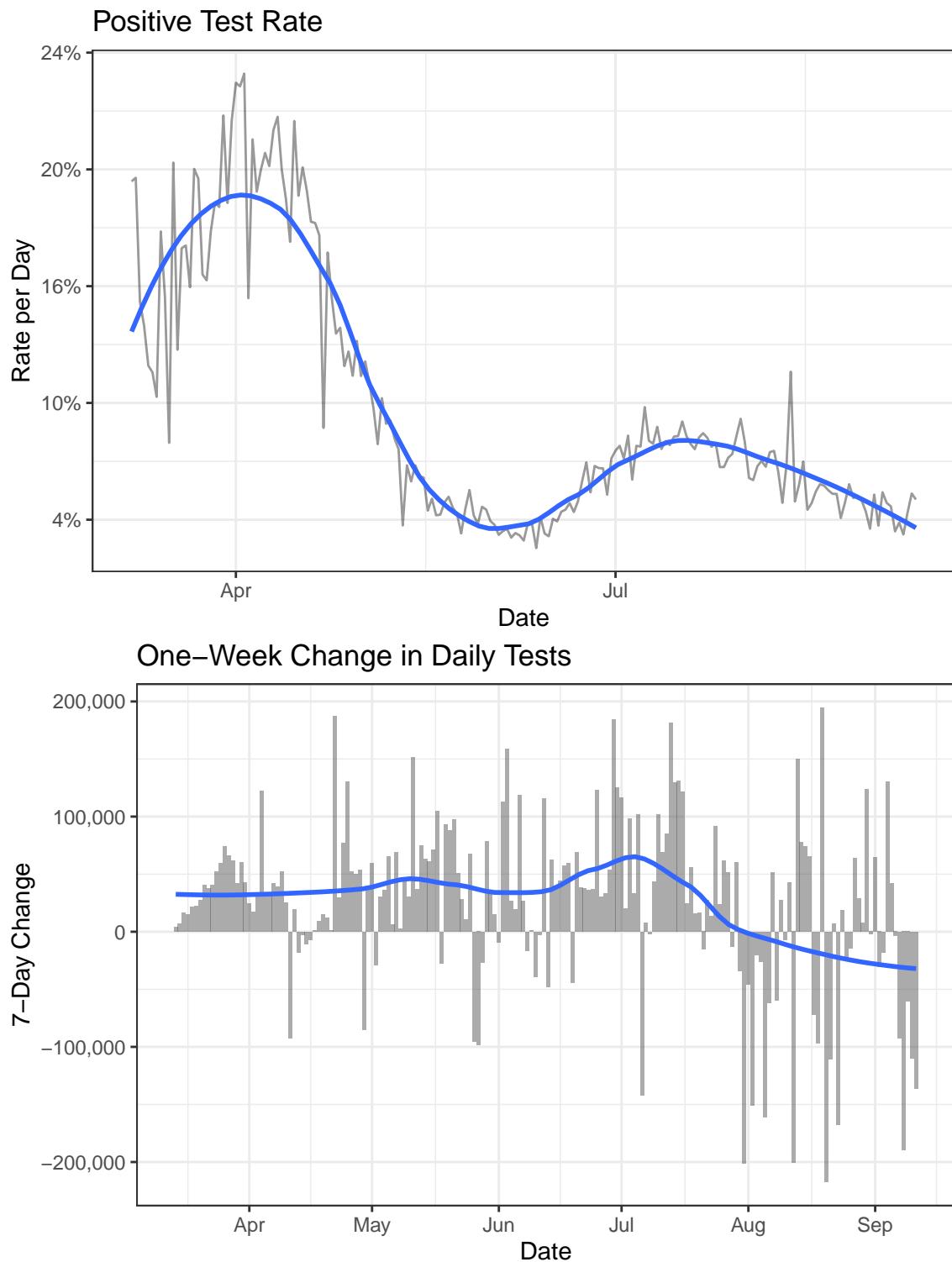
One-Week Change in Daily Cases



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.



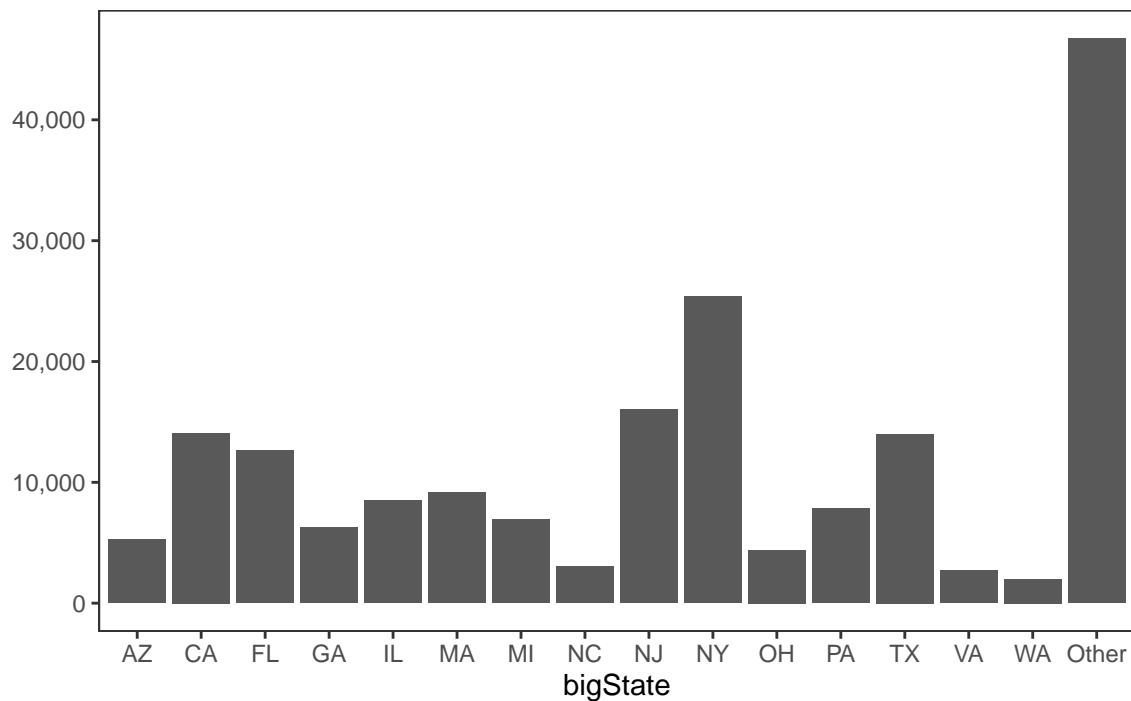


State Data

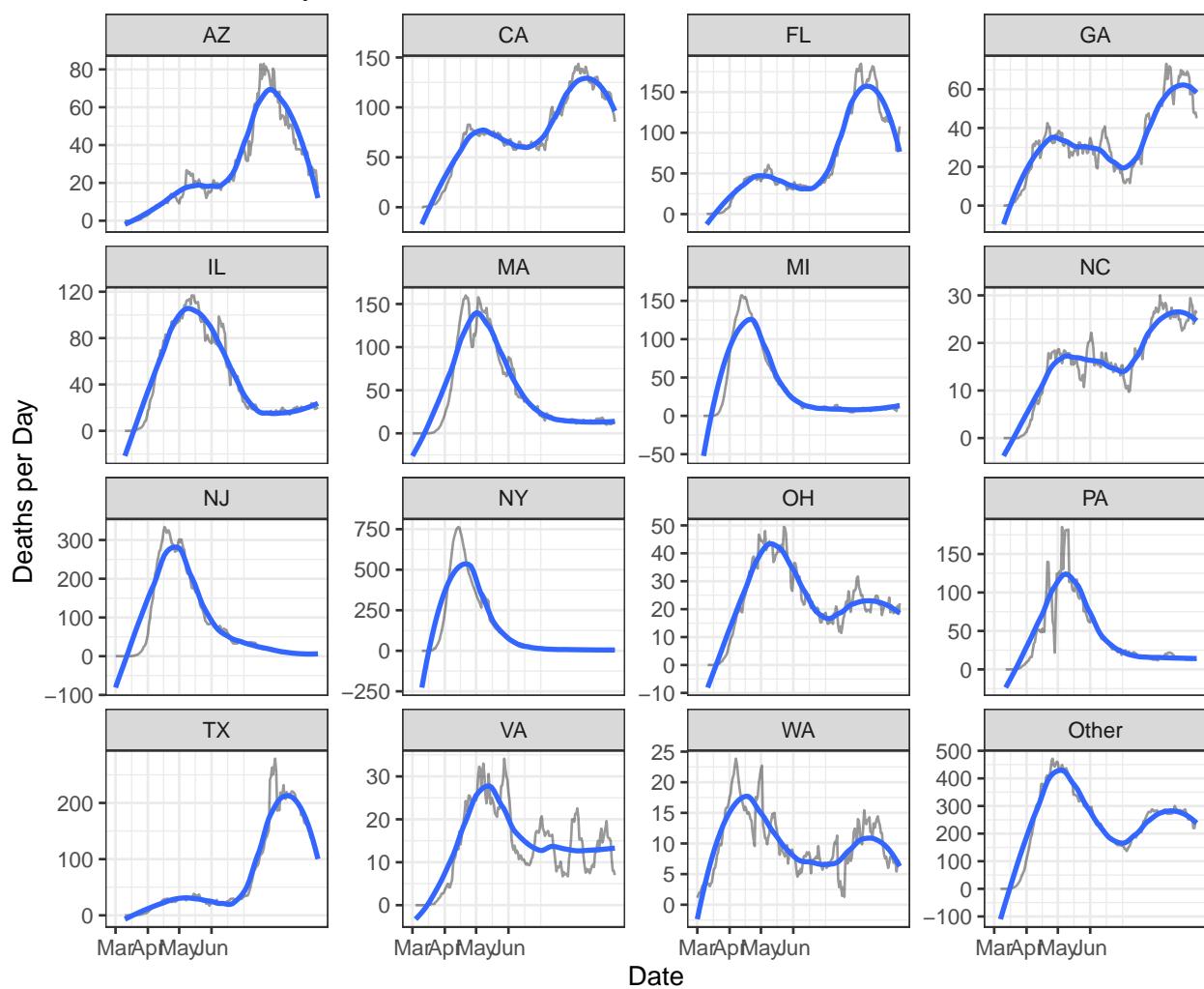
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

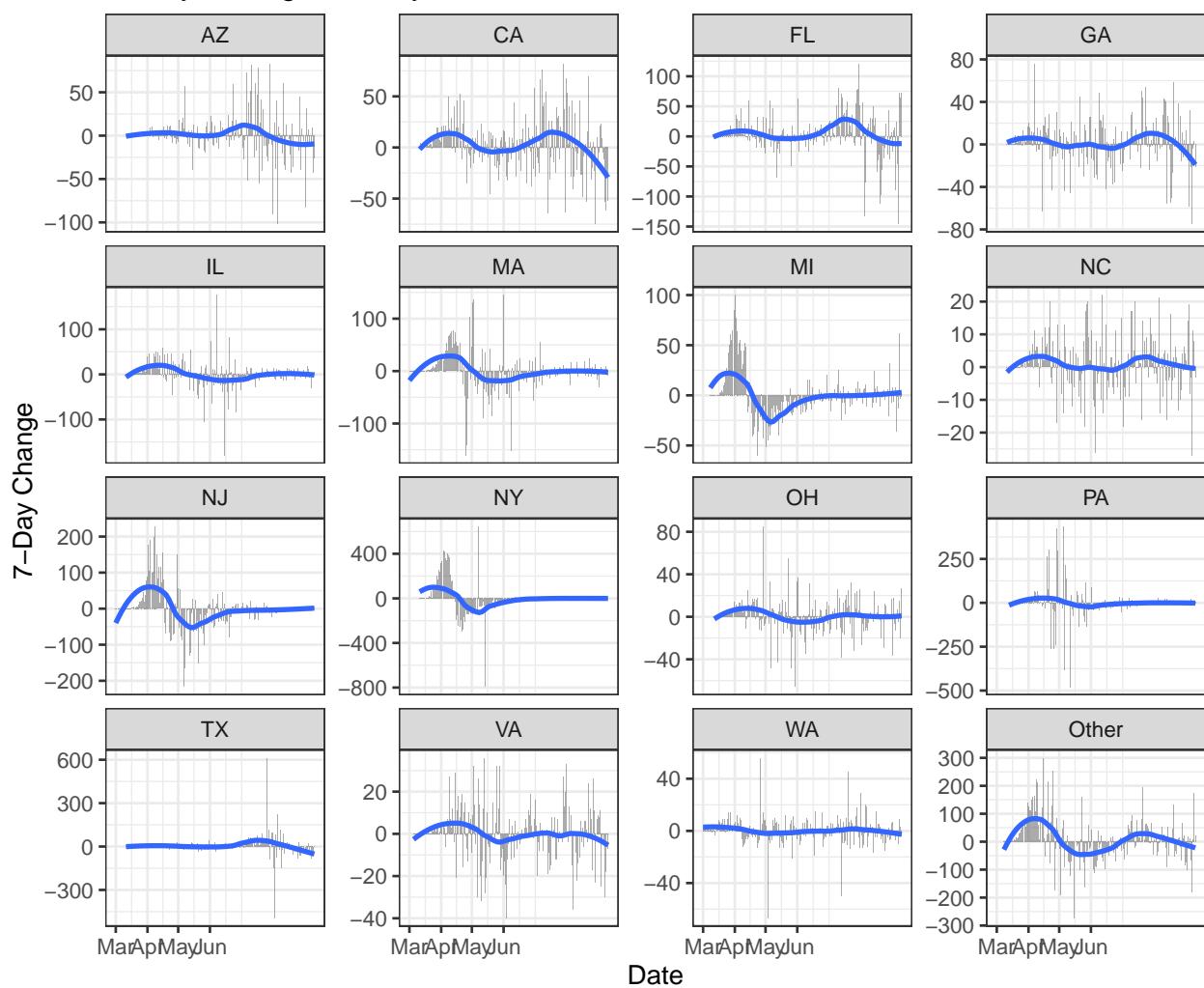
Deaths by State

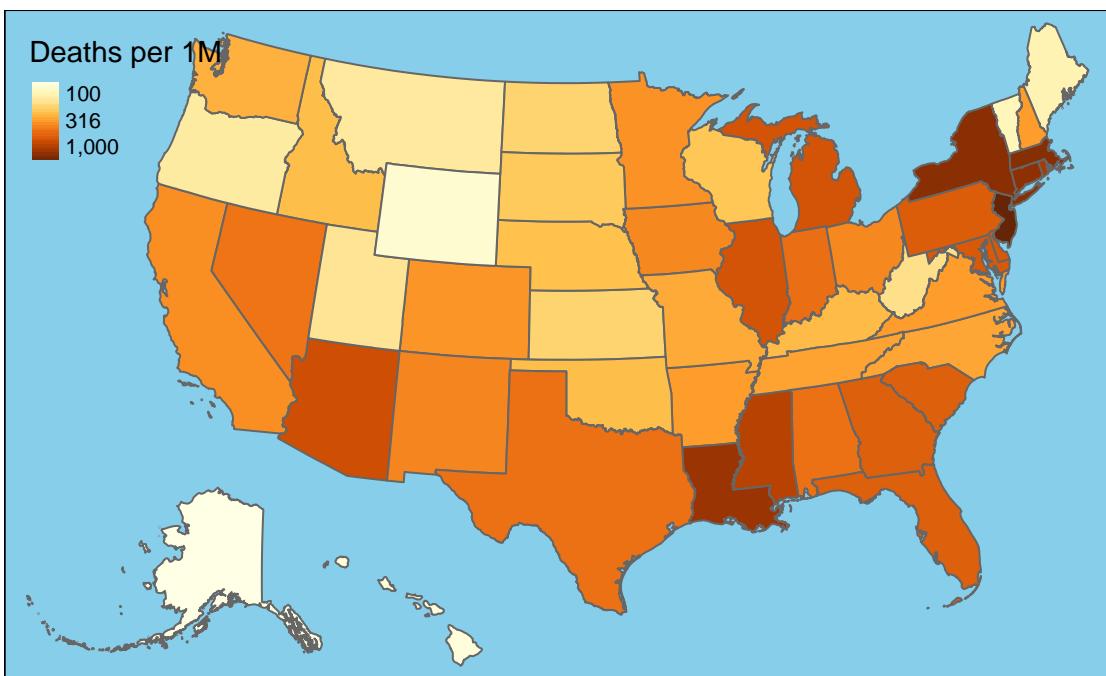
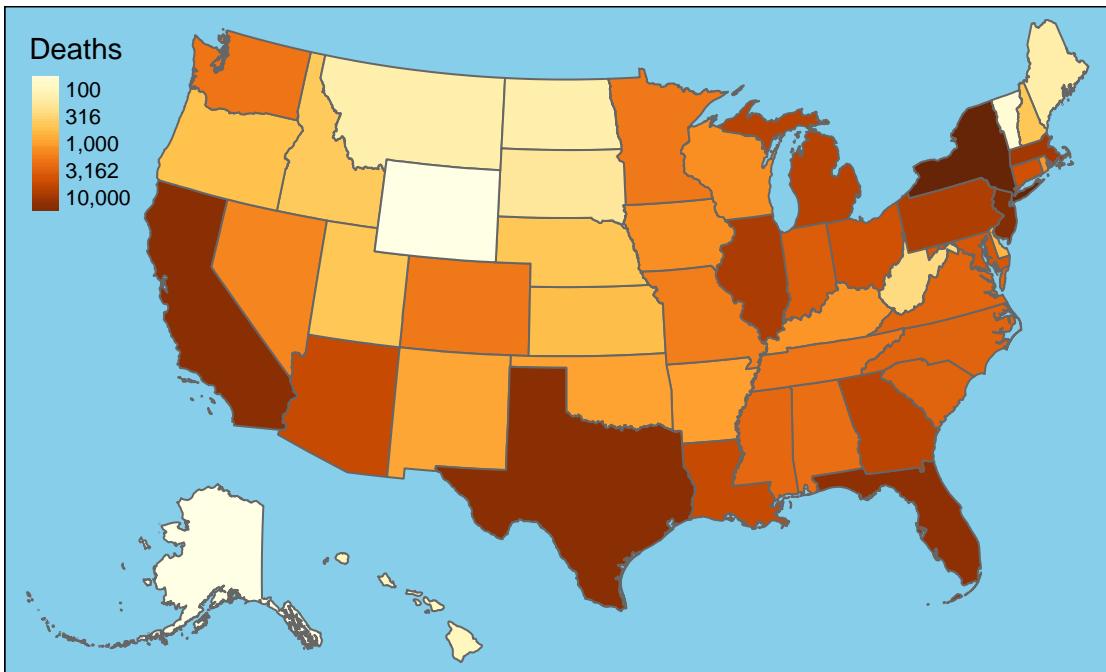


New Deaths by State



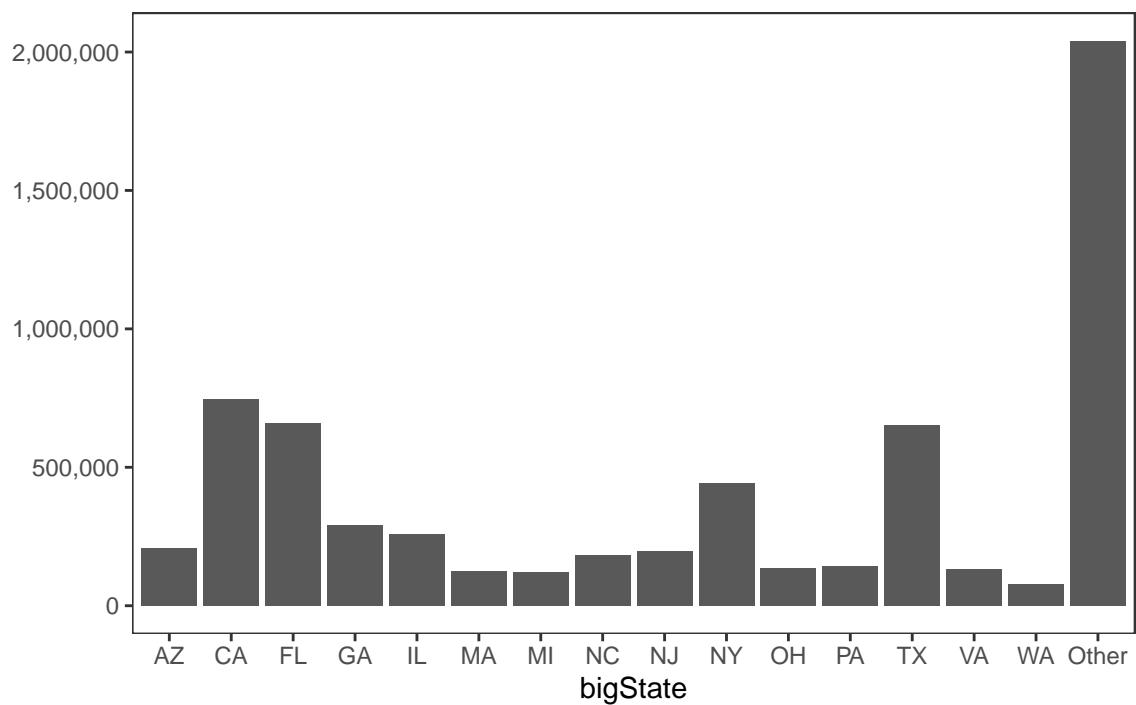
7-Day Change in Daily Deaths



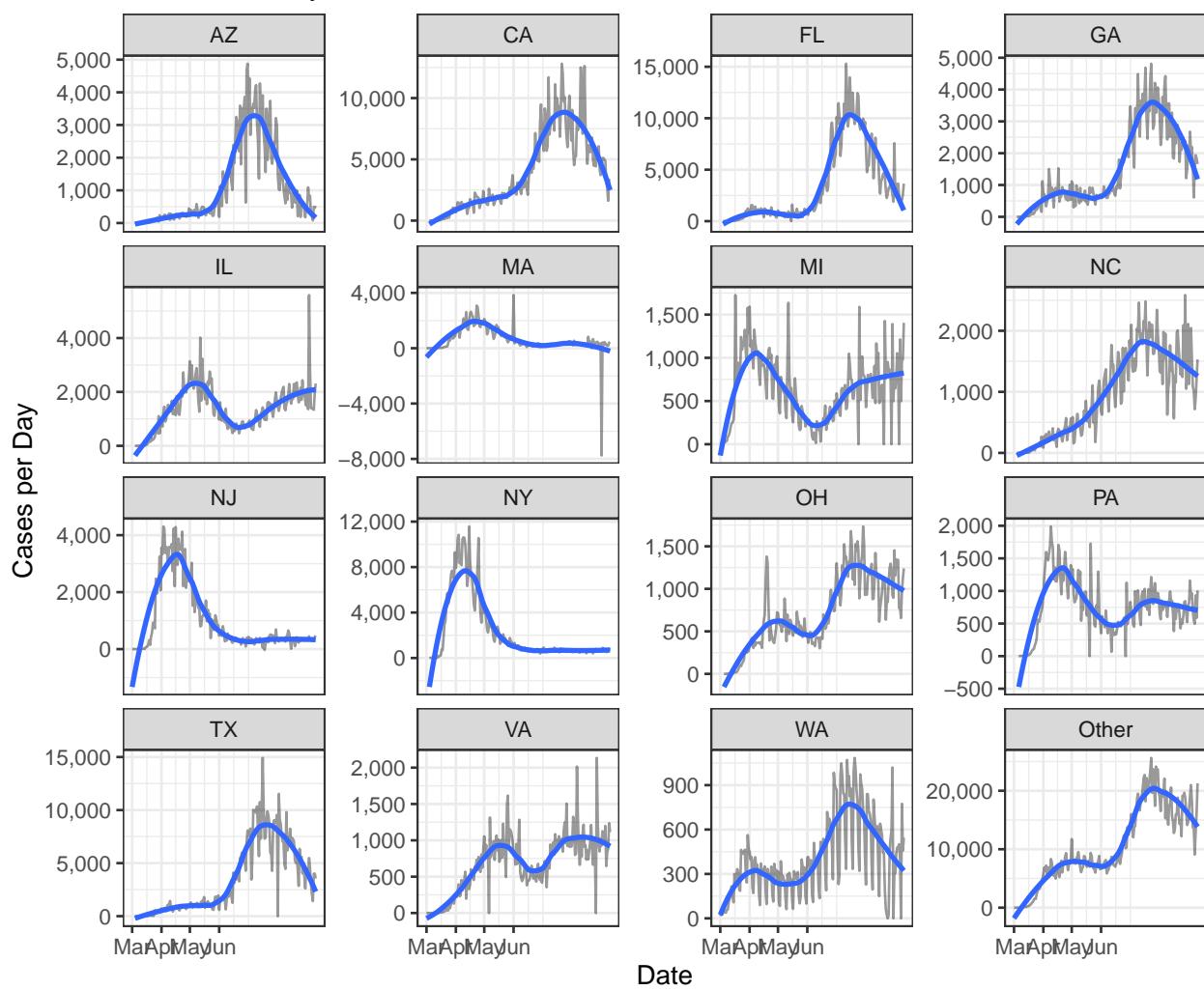


Cases

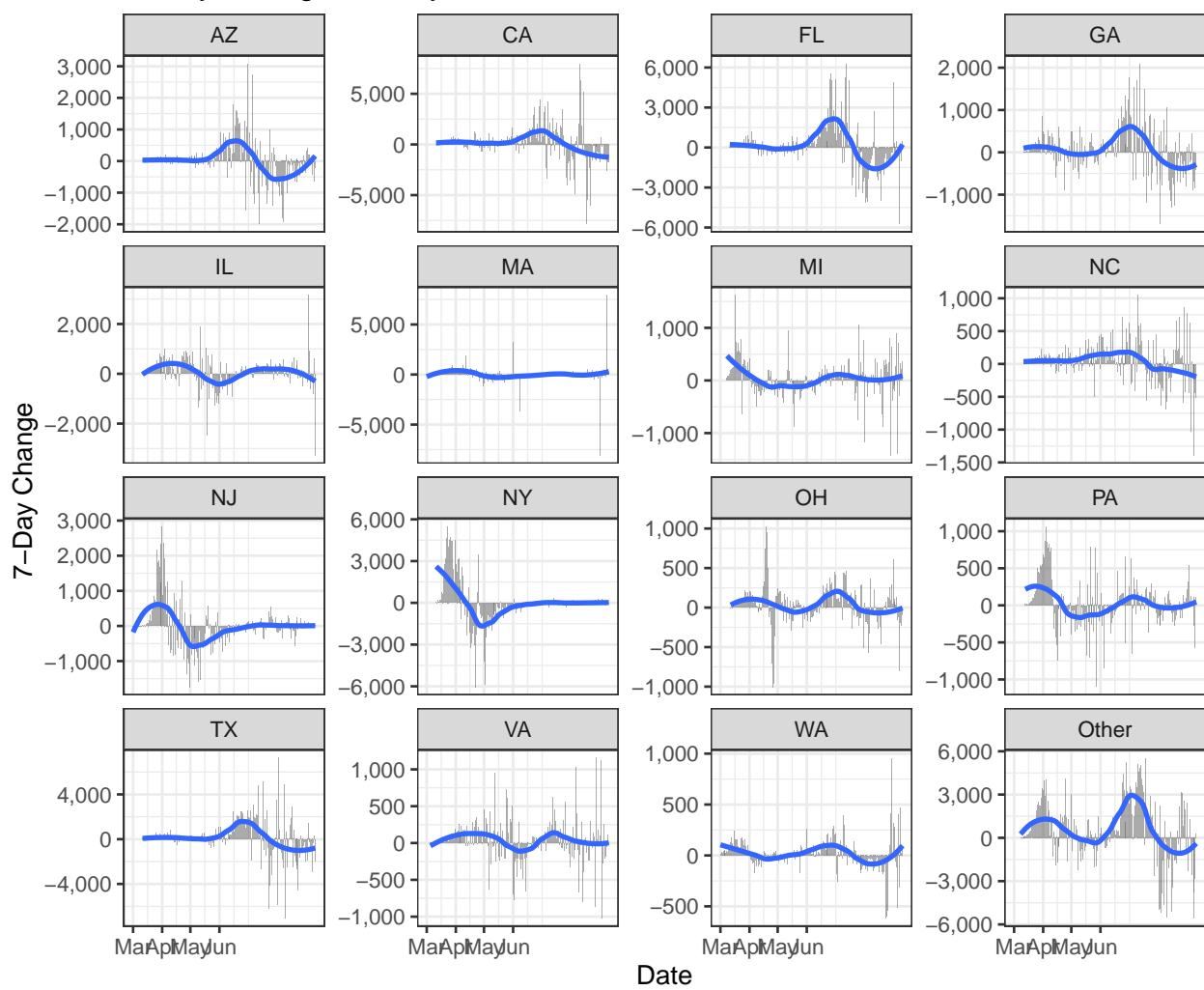
Cases by State

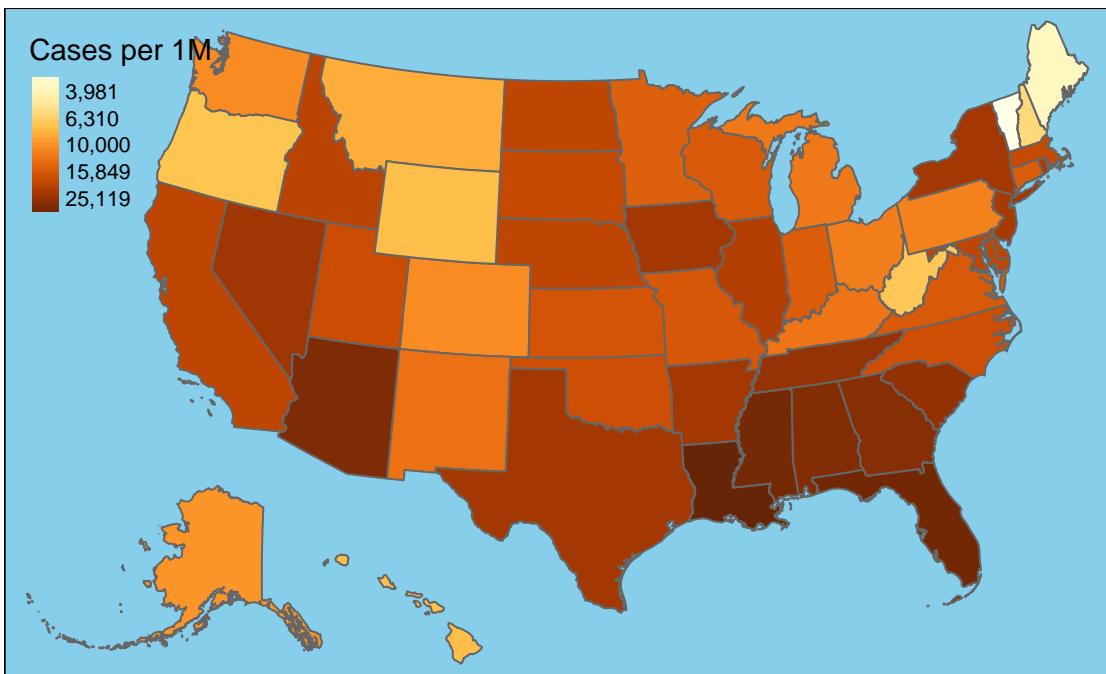
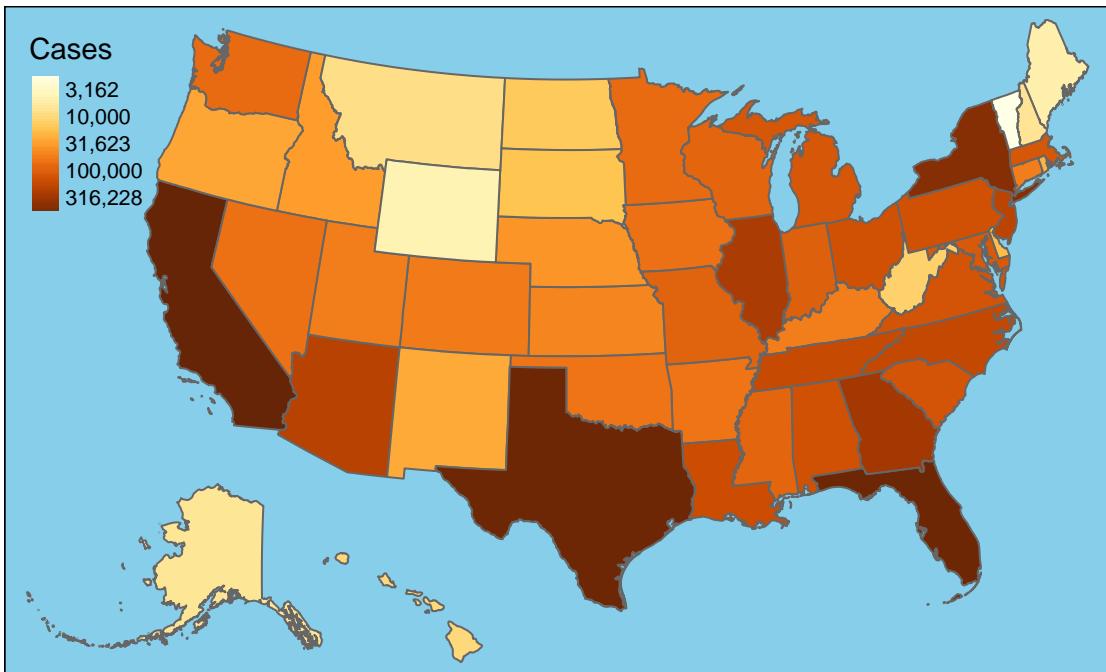


New Cases by State



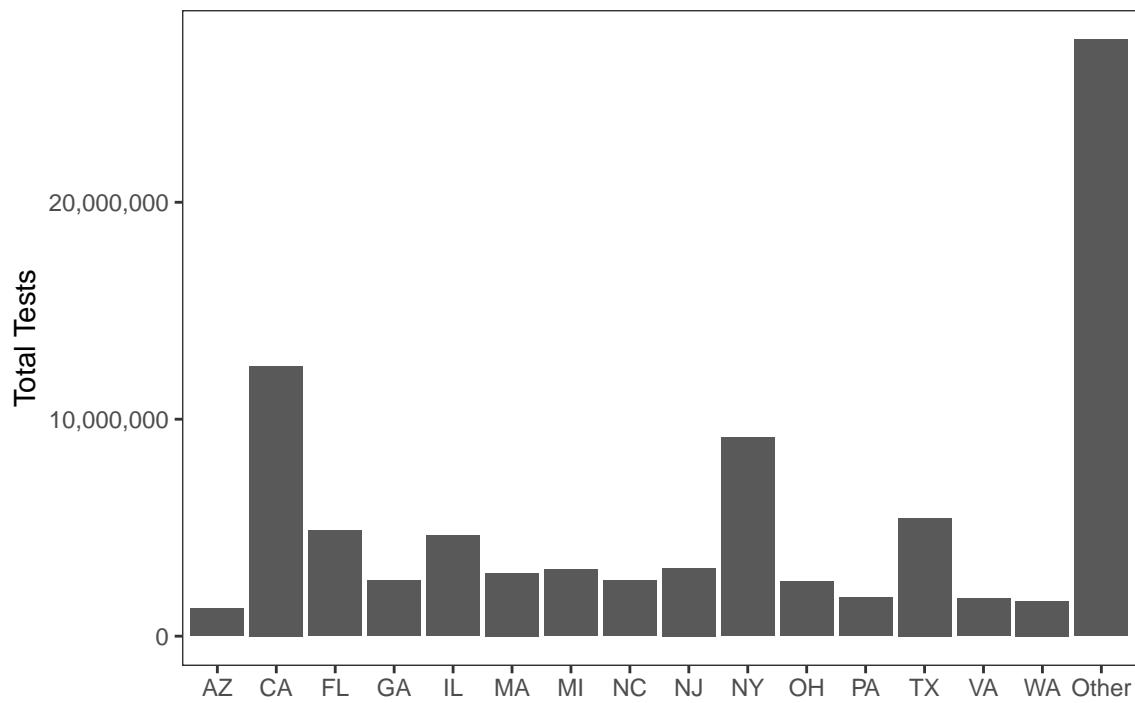
7-Day Change in Daily Cases



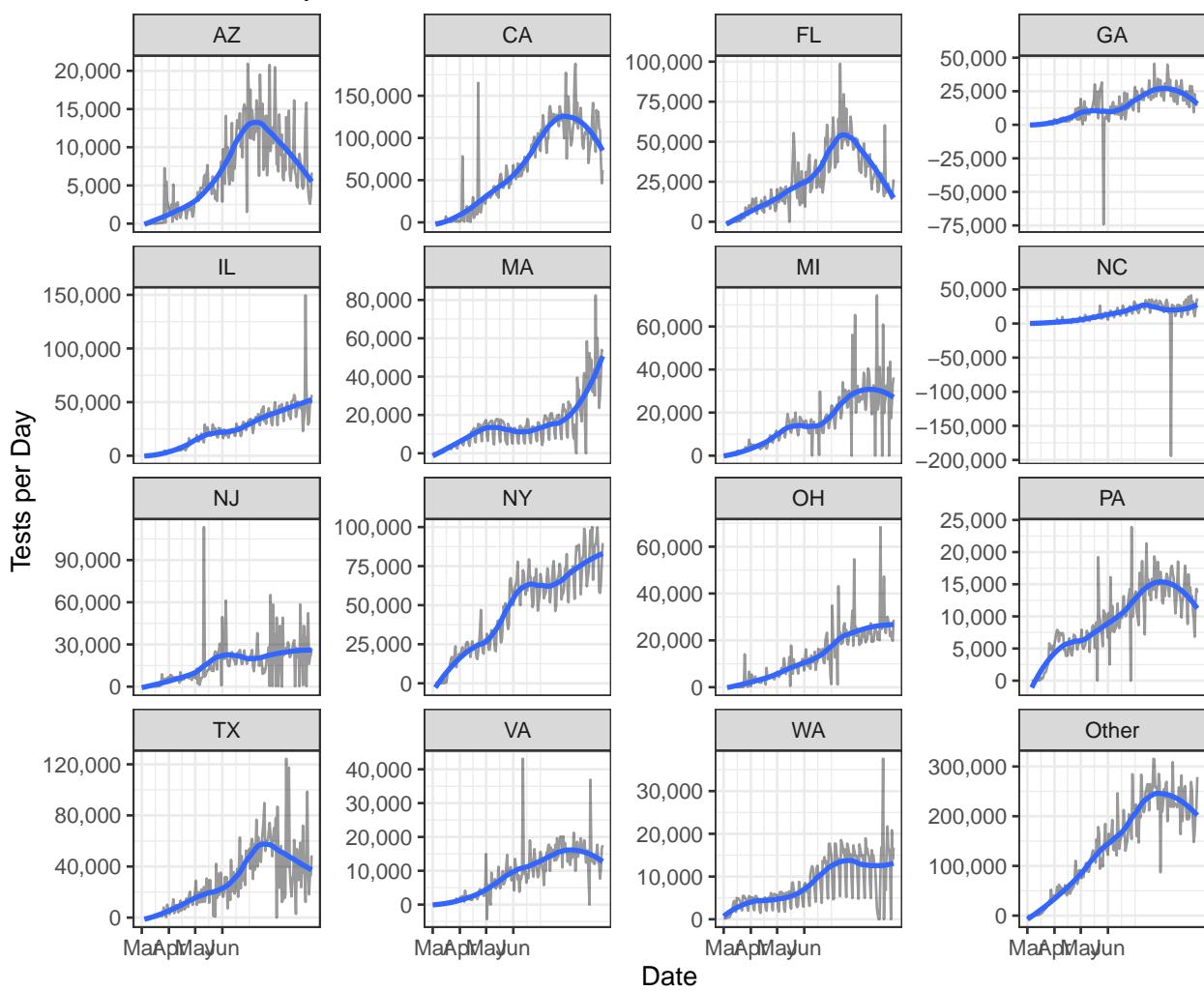


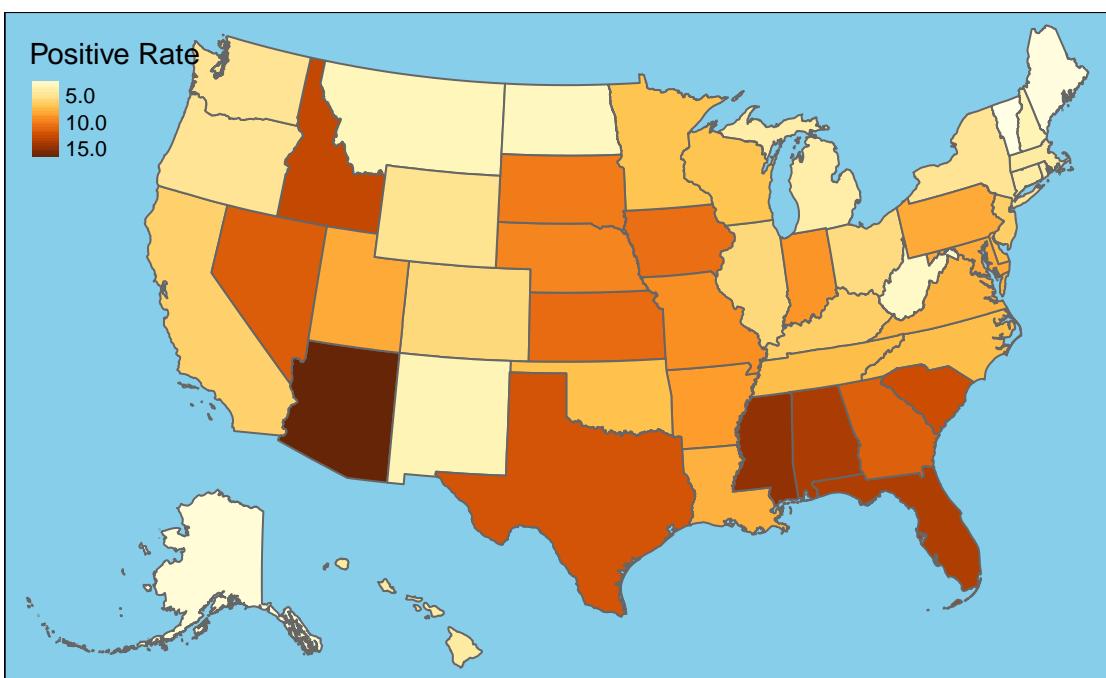
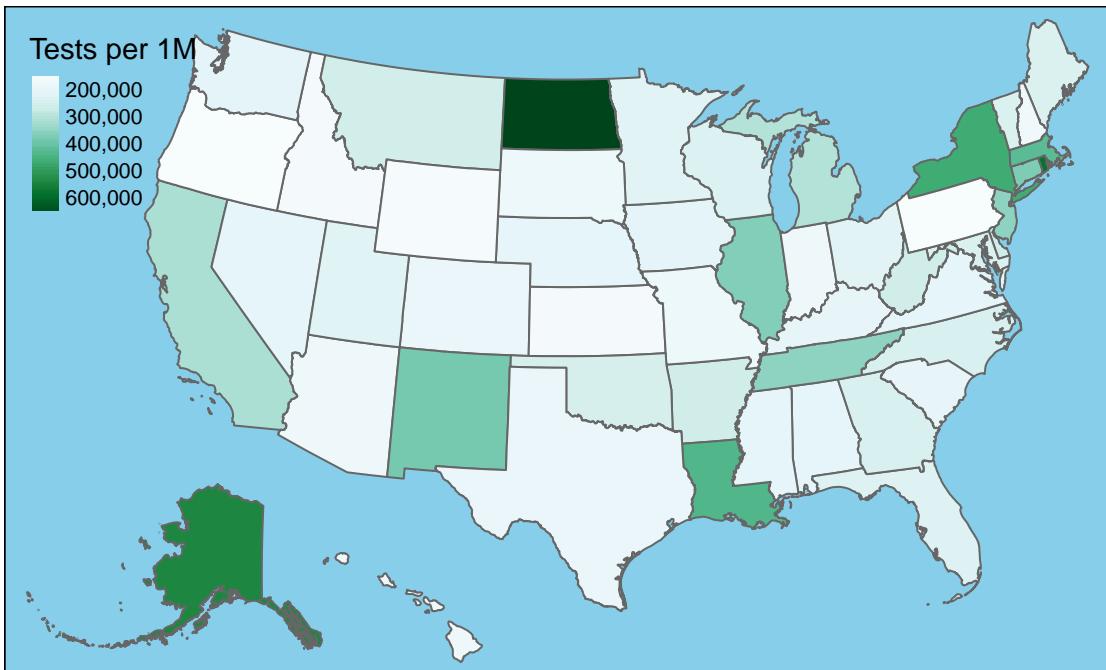
Testing

Tests by State



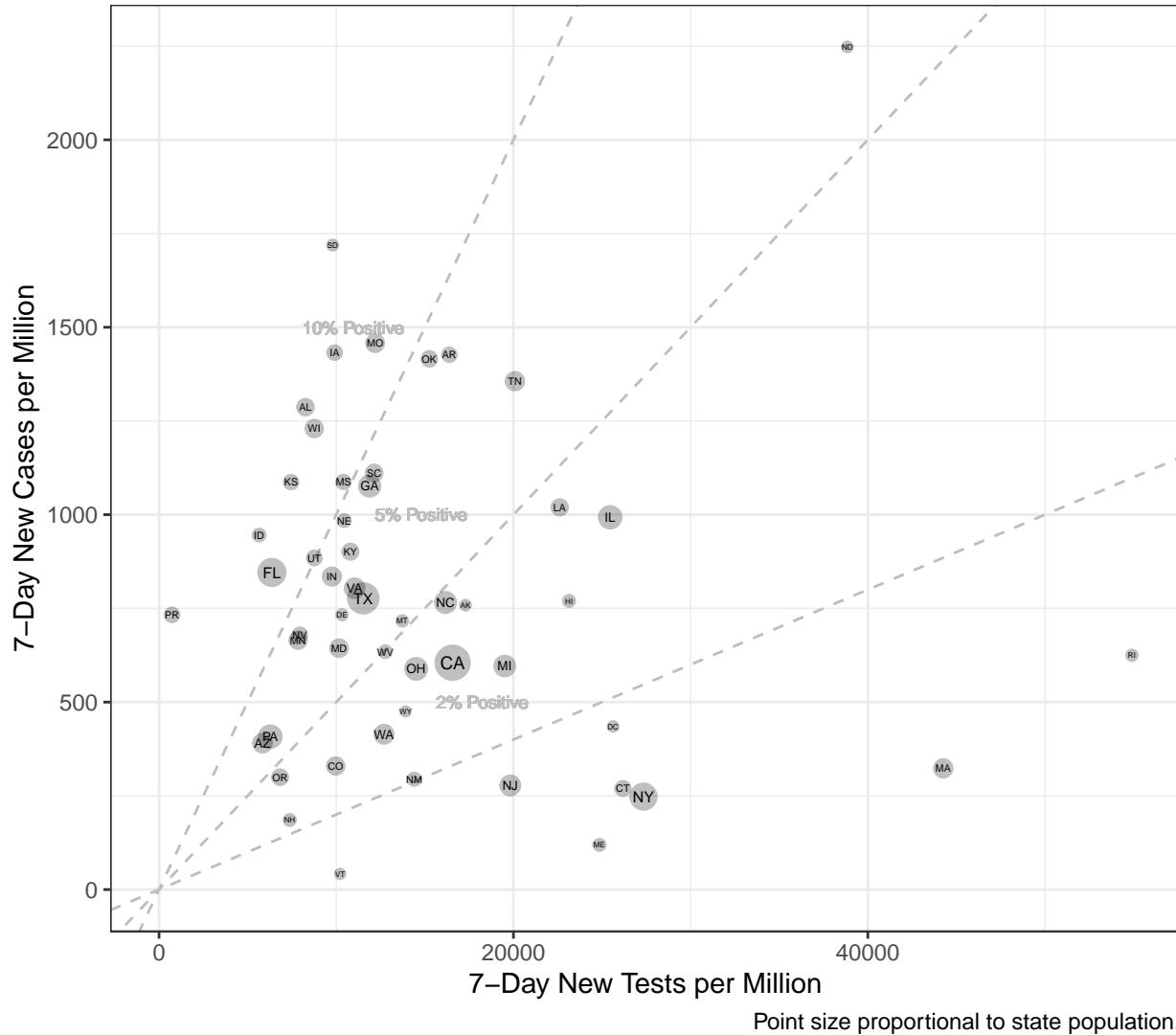
New Tests by State





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.

Tests vs. Cases by State



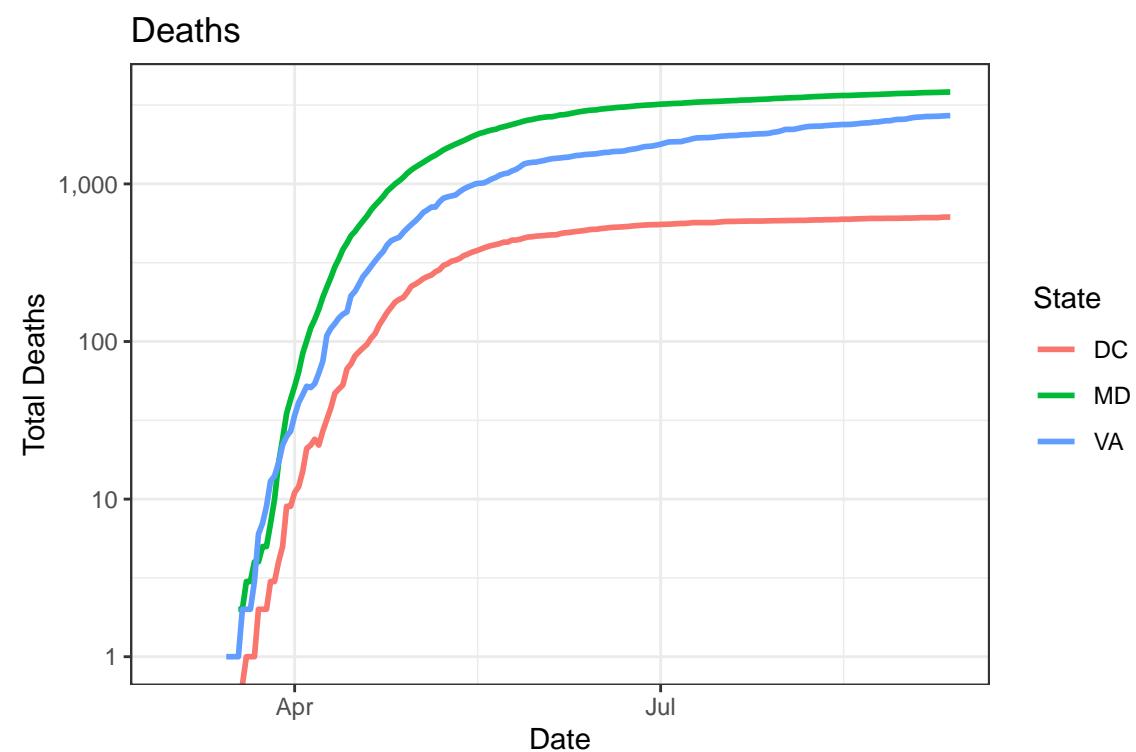
Local Data

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

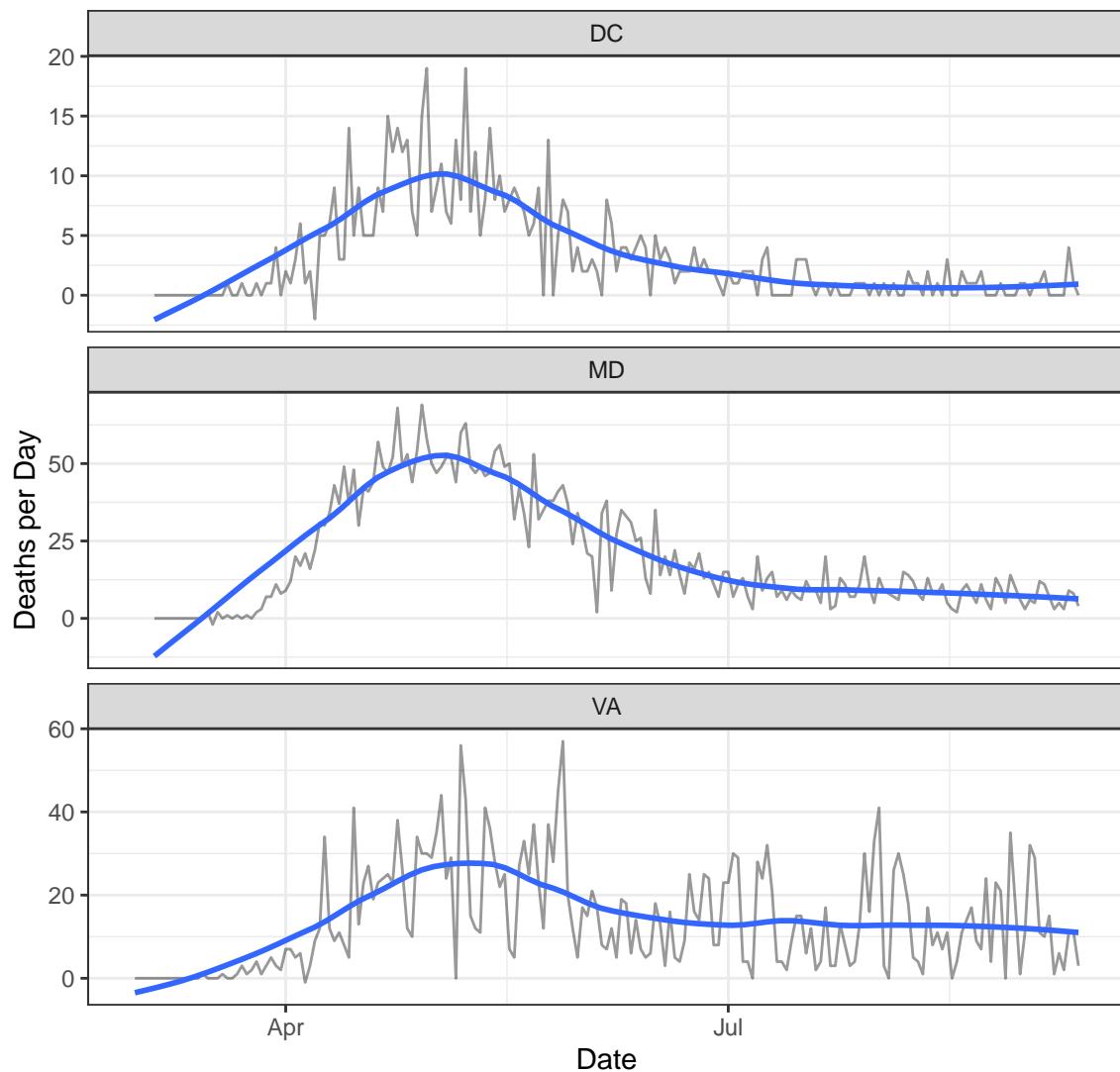
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,493	616	81	0
MD	114,724	3,828	646	4
VA	131,640	2,711	1,115	3

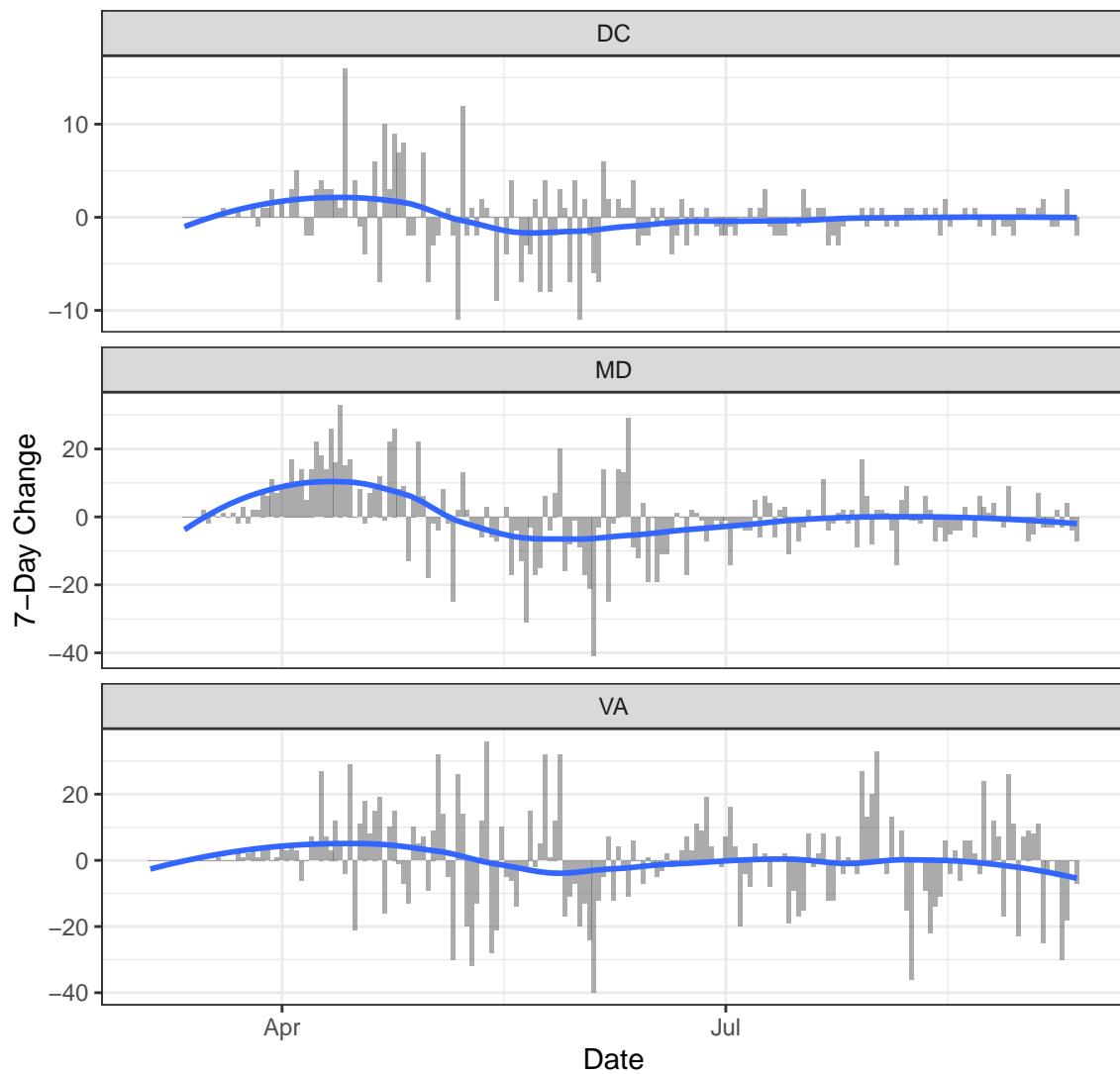
Deaths

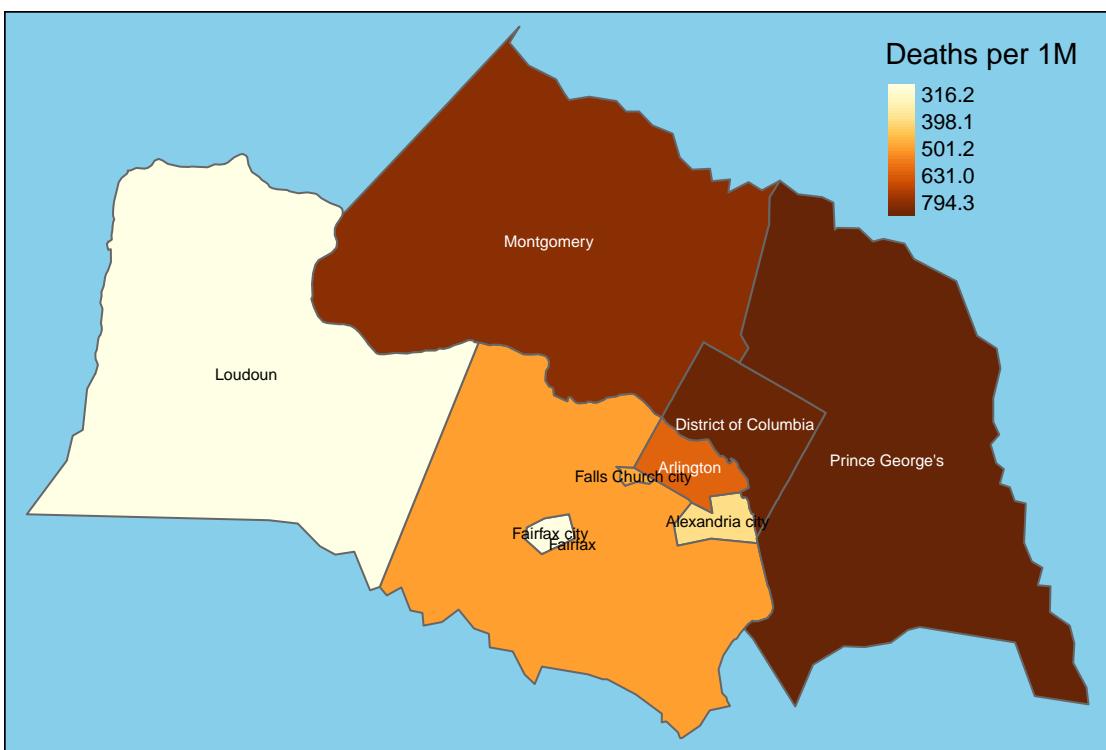
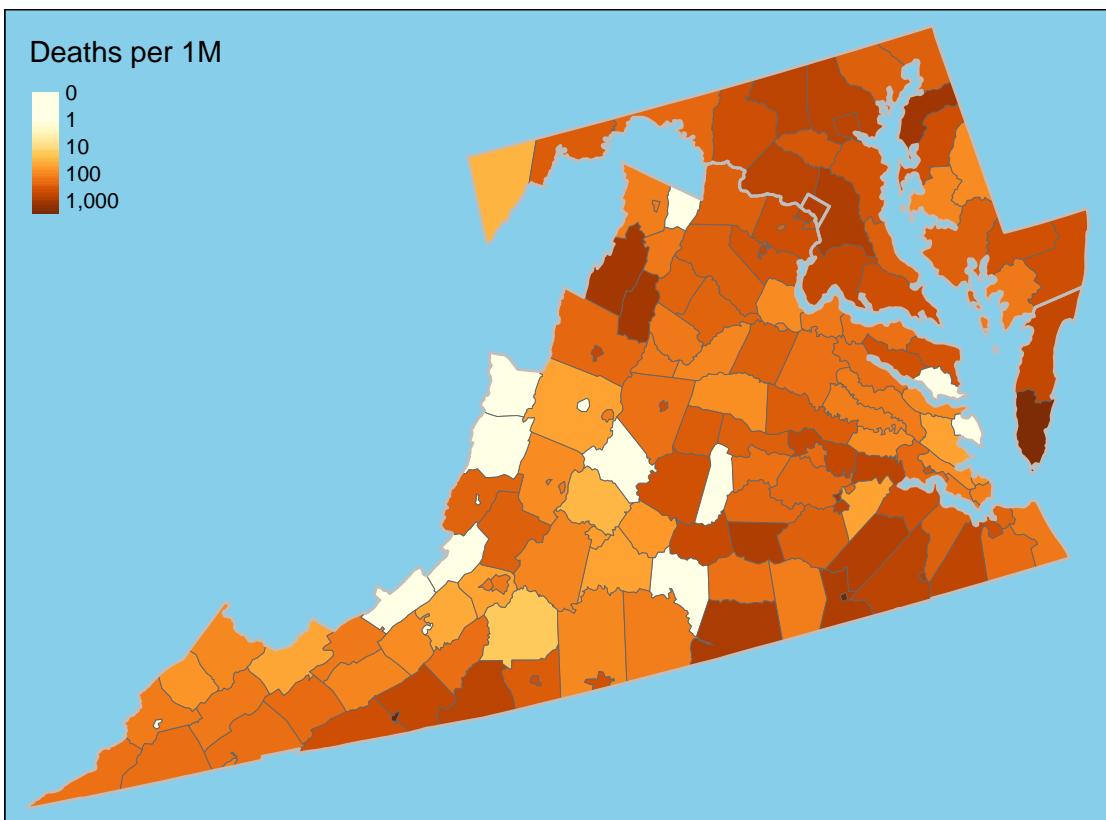


New Deaths

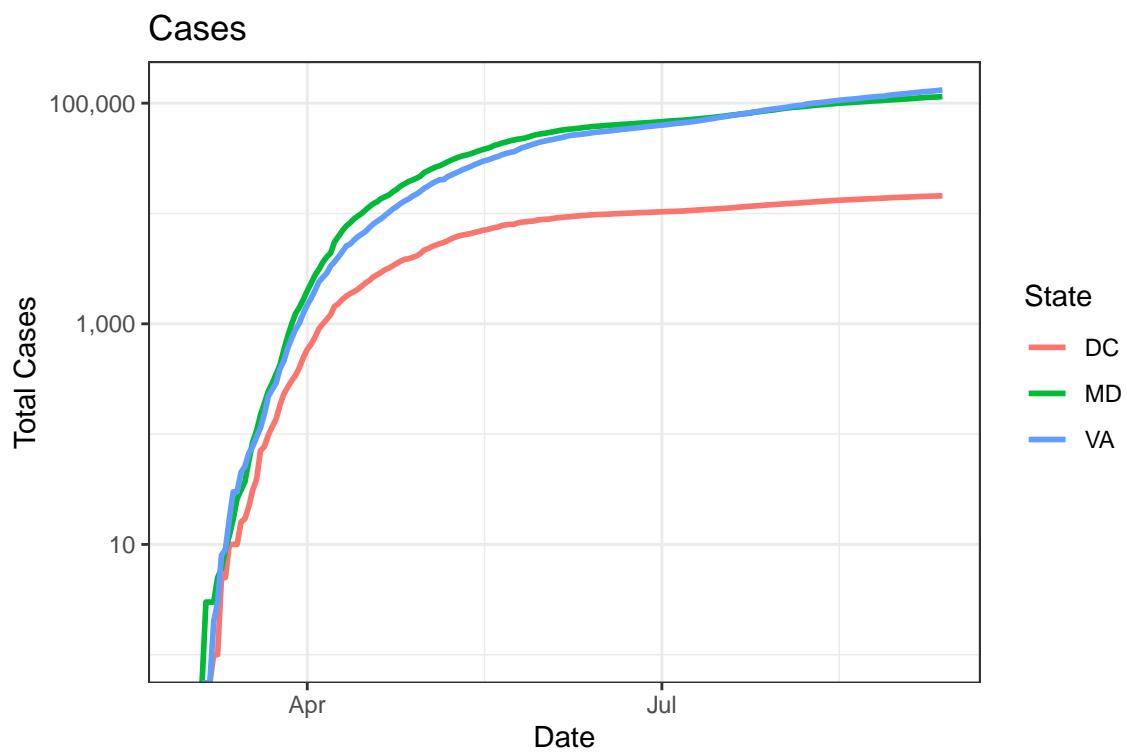


One-Week Change in Daily Deaths

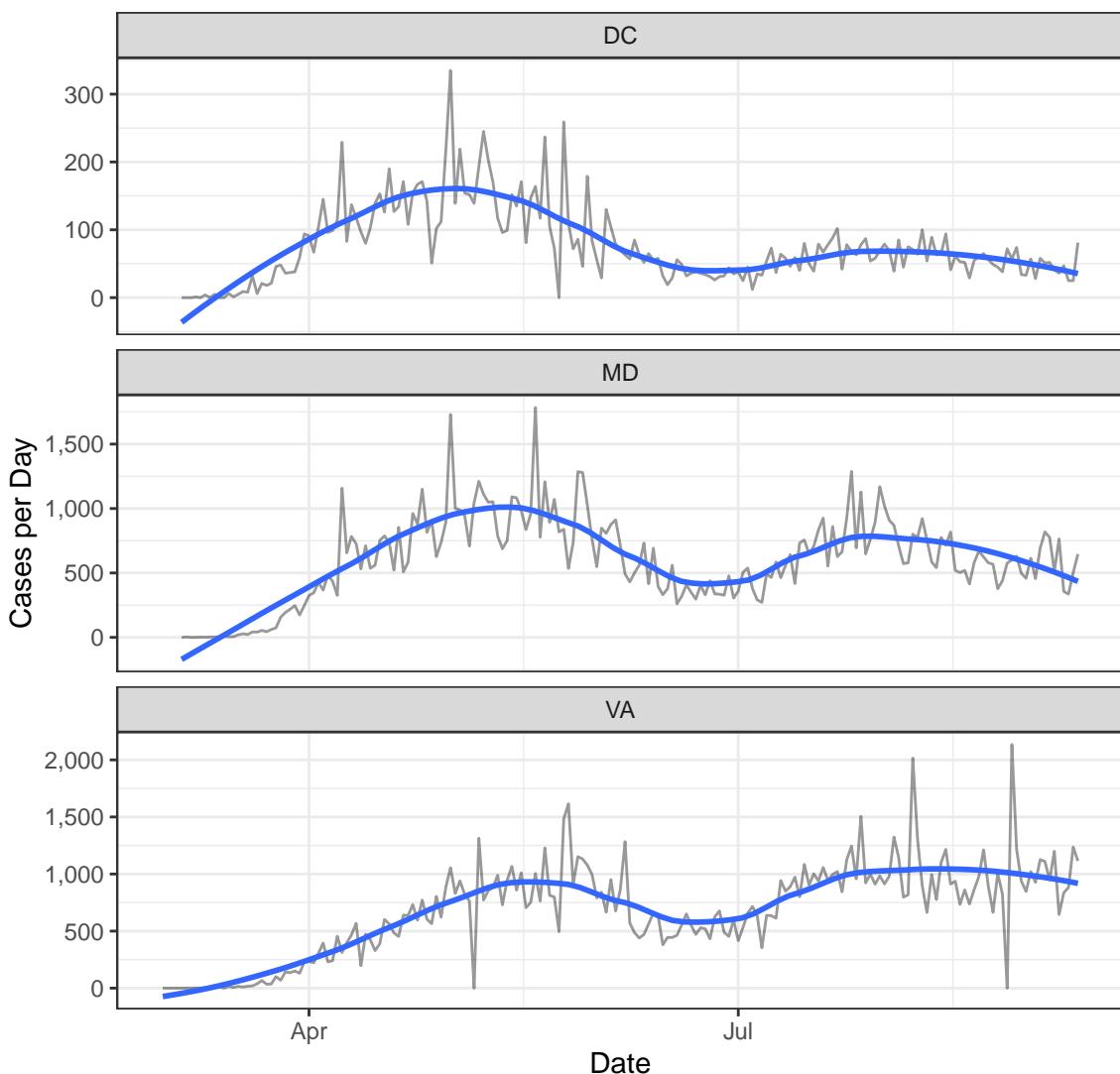




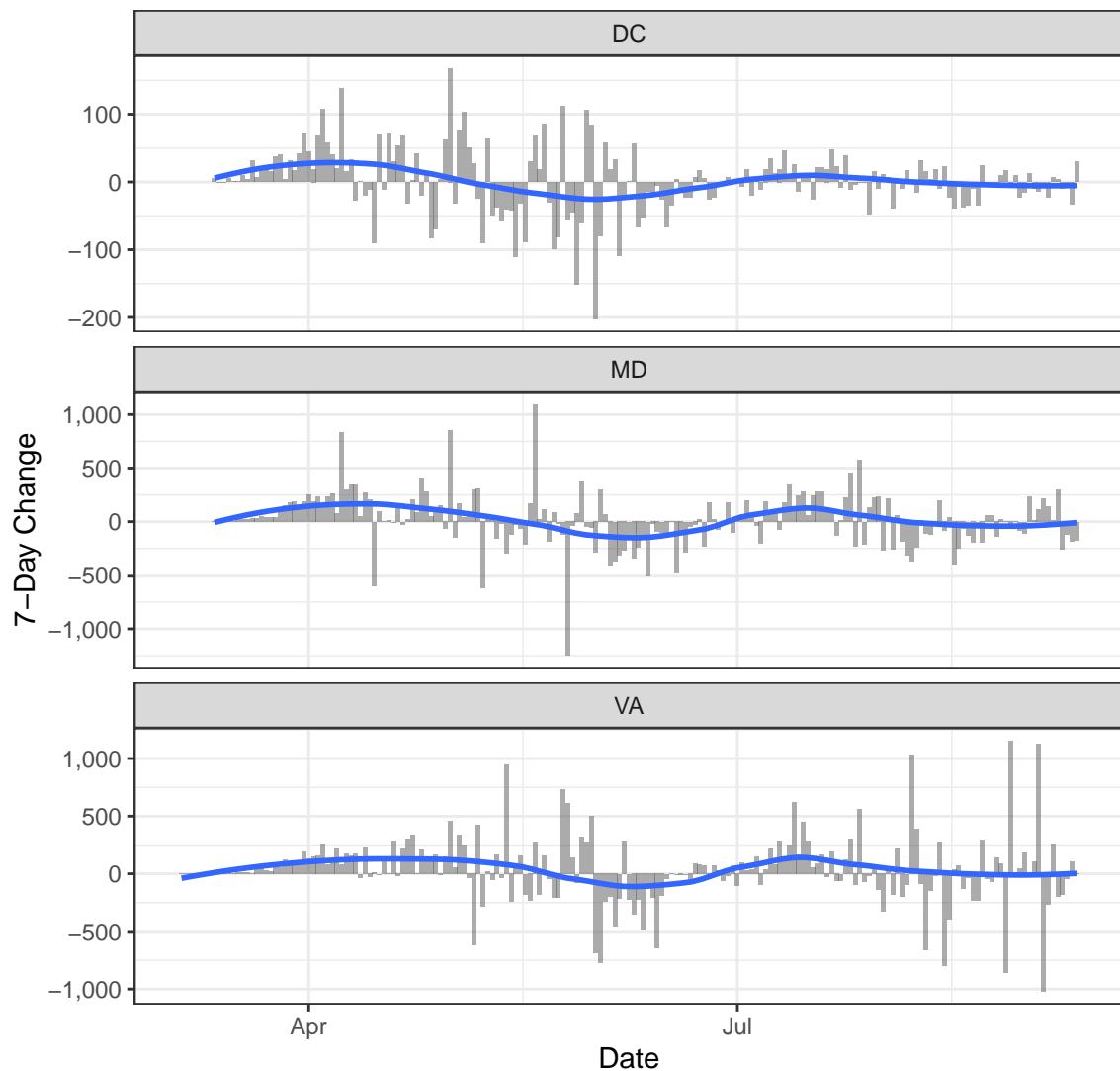
Cases

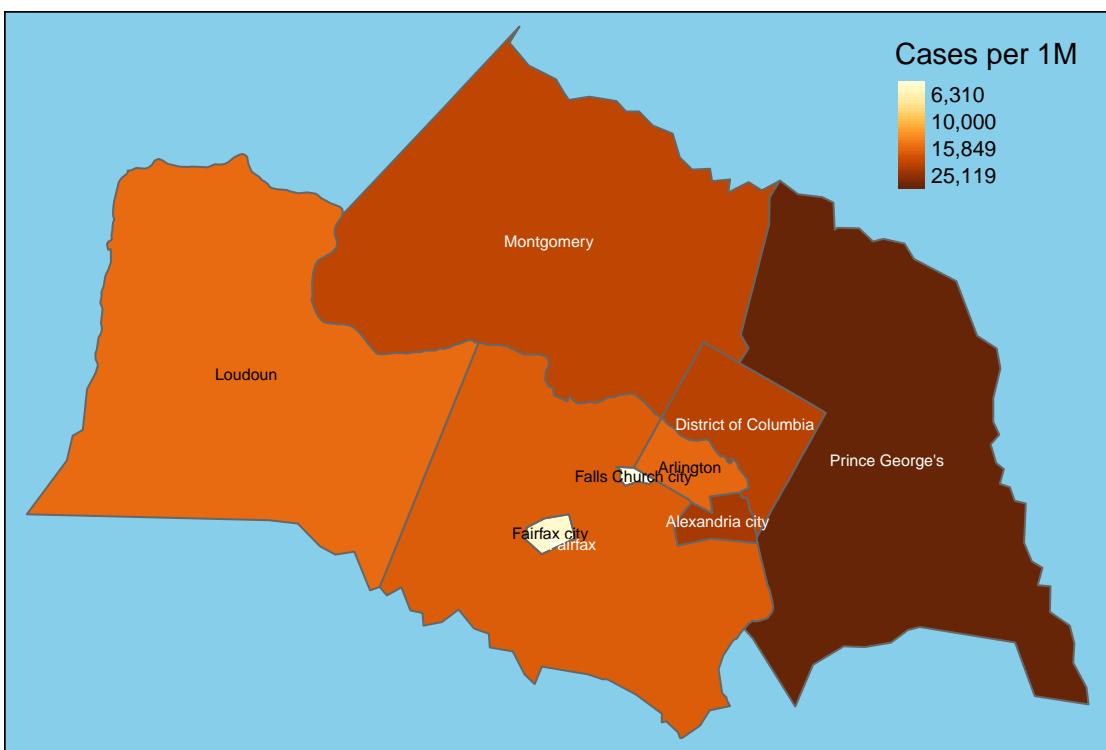
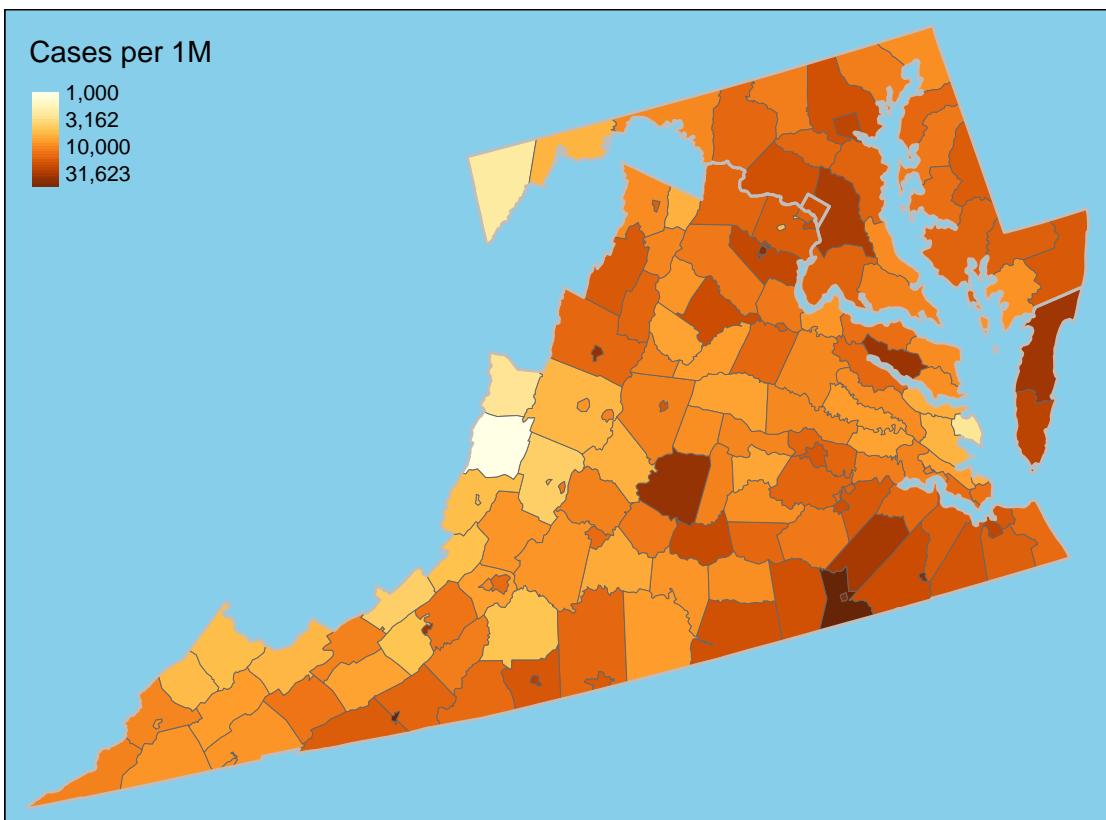


New Cases

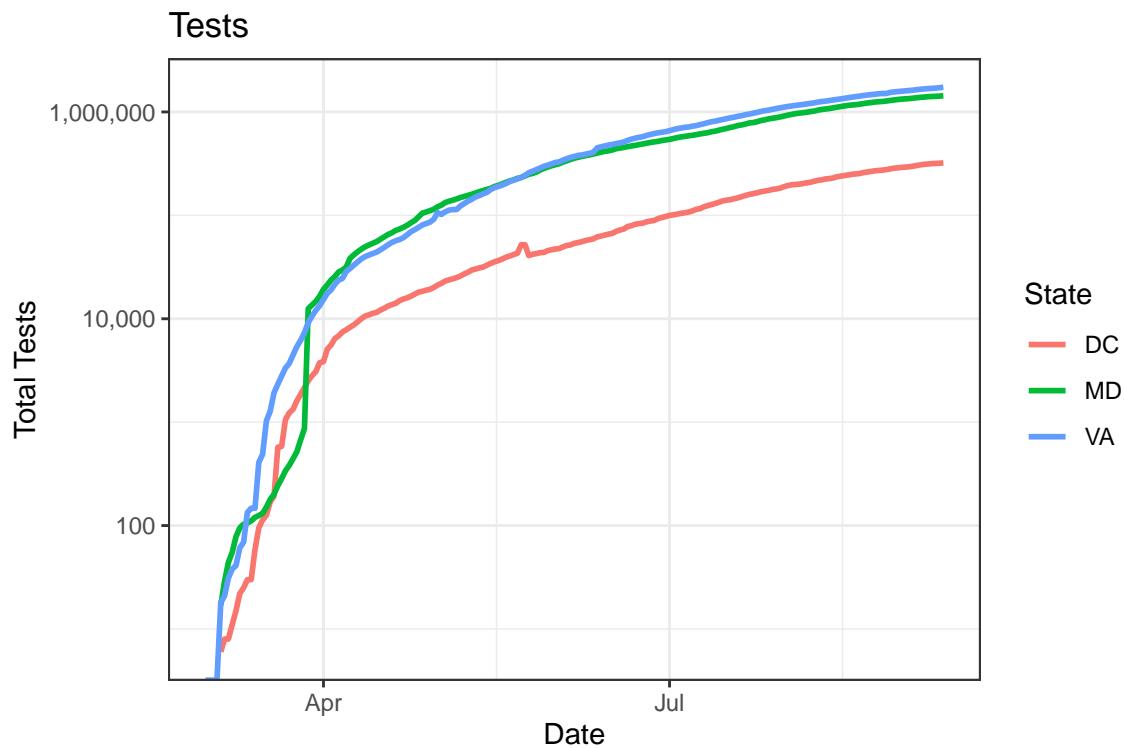


One-Week Change in Daily Cases

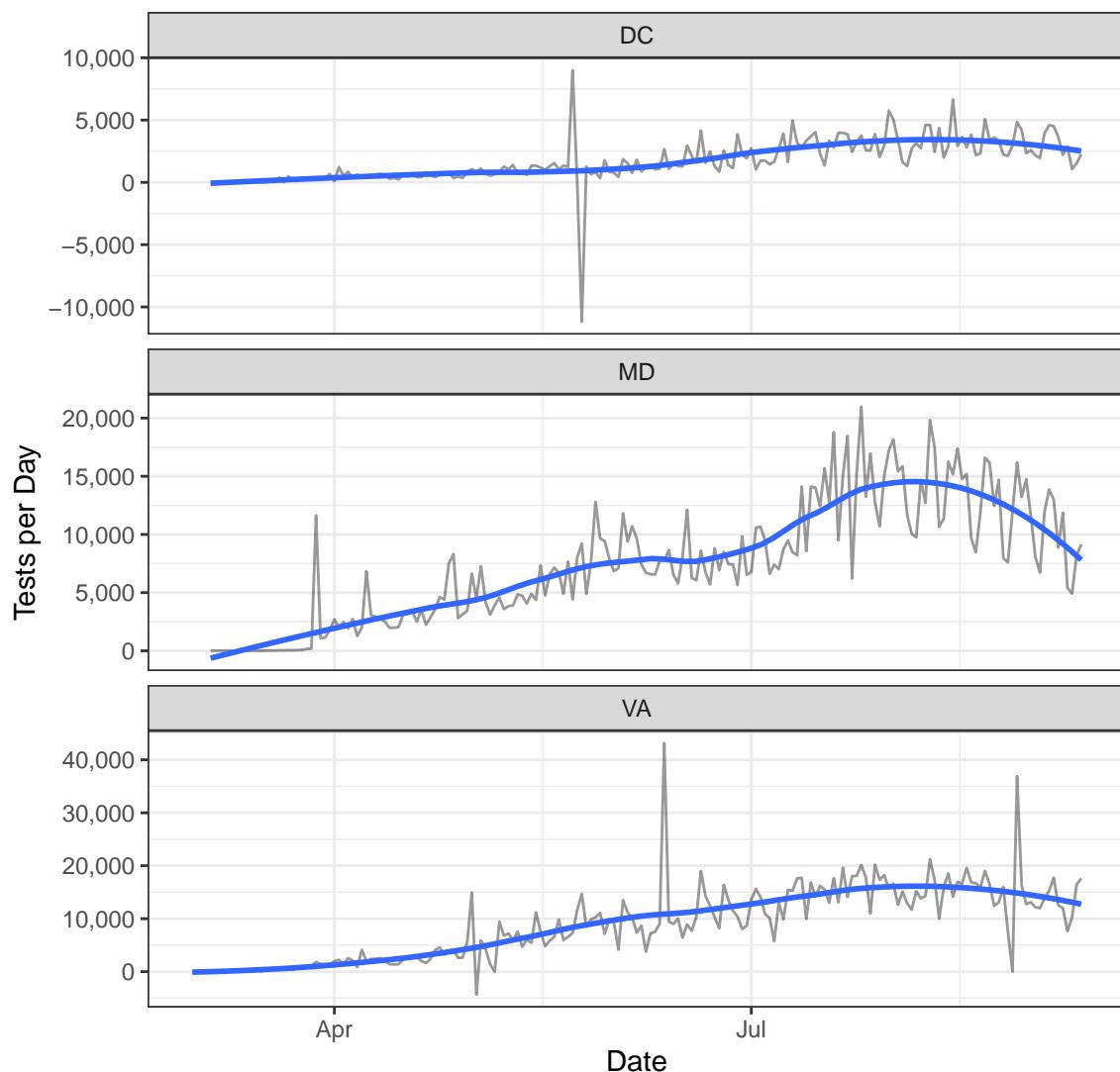




Testing



New Tests



Positive Test Rate

