

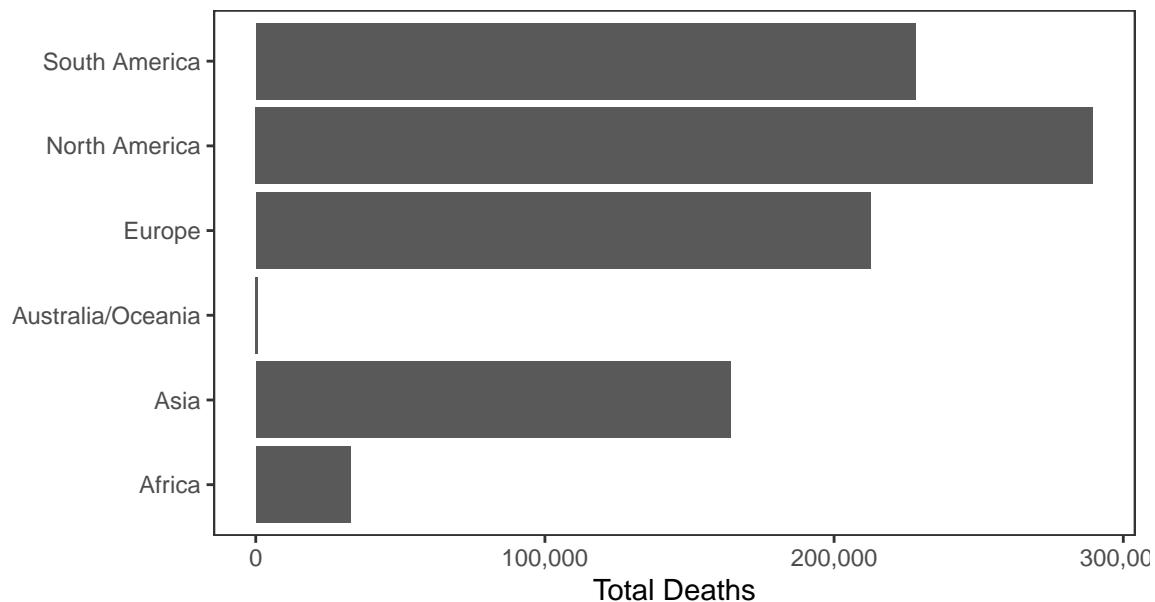
Erik's Covid-19 Chart Pack

Data updated 2020-09-13 22:00:31. 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 29,175,454 confirmed Covid-19 cases and 927,986 deaths worldwide.

Deaths



Cases

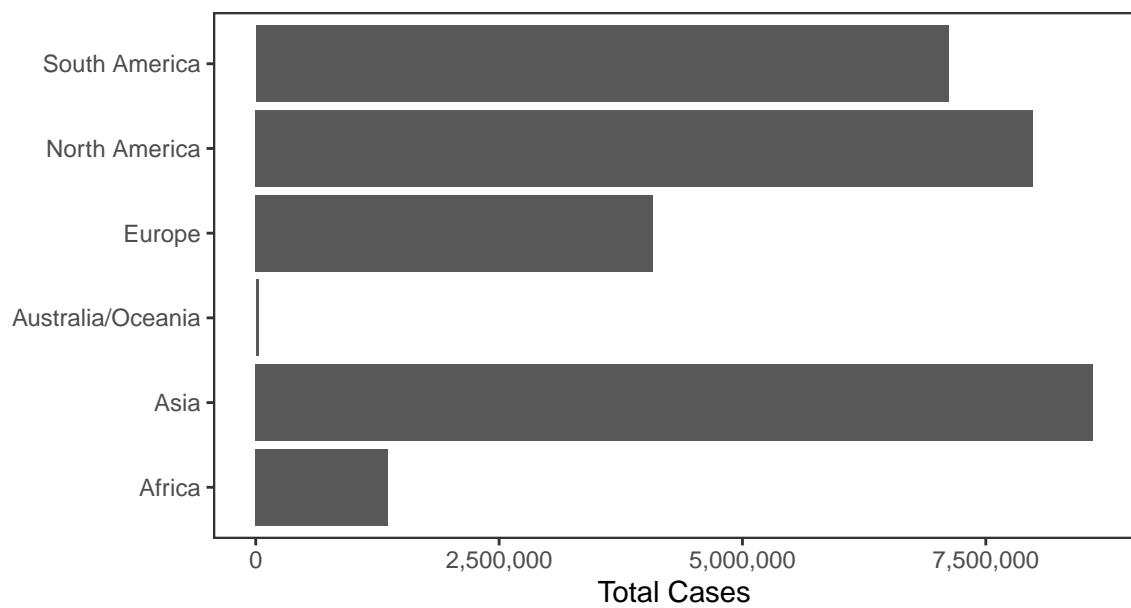
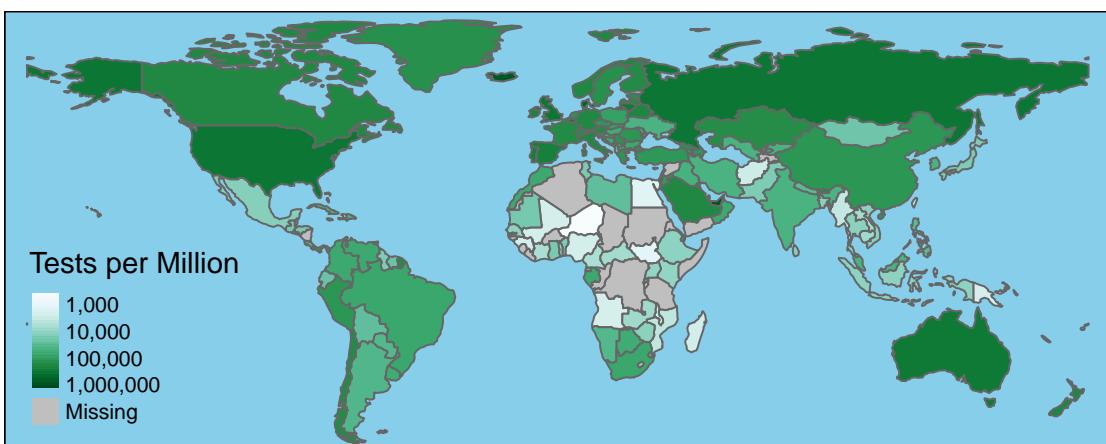
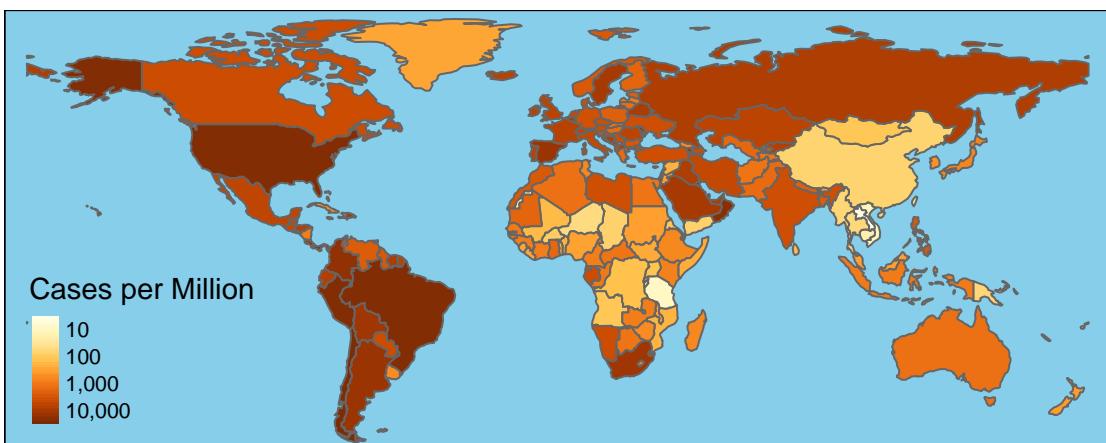
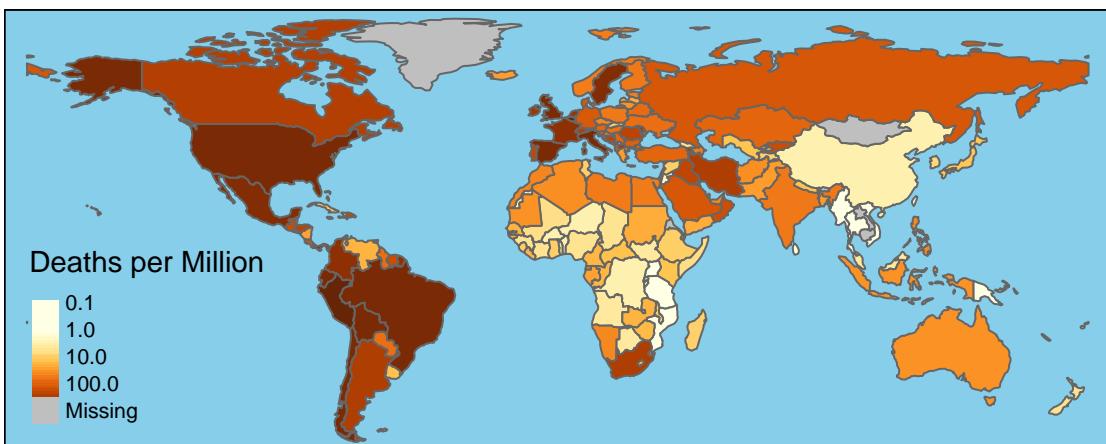


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,708,458	198,520	31,857	392
India	4,845,003	79,754	93,215	1,140
Brazil	4,330,455	131,663	14,597	389
Russia	1,062,811	18,578	5,449	94
Peru	729,619	30,710	6,787	117
Colombia	716,319	22,924	7,355	190
Mexico	663,973	70,604	5,674	421
South Africa	649,793	15,447	1,579	20
Spain	576,697	29,747	0	0
Argentina	555,537	11,352	9,056	89
Chile	434,748	11,949	2,082	54
Iran	402,029	23,157	2,089	128
France	381,094	30,916	7,183	6
UK	368,504	41,628	3,330	5
Bangladesh	337,520	4,733	1,476	31
Saudi Arabia	325,651	4,268	601	28
Pakistan	301,481	6,379	526	6
Turkey	291,162	7,056	1,527	57
Iraq	290,309	8,014	3,531	73
Italy	287,753	35,610	1,458	7



National Data

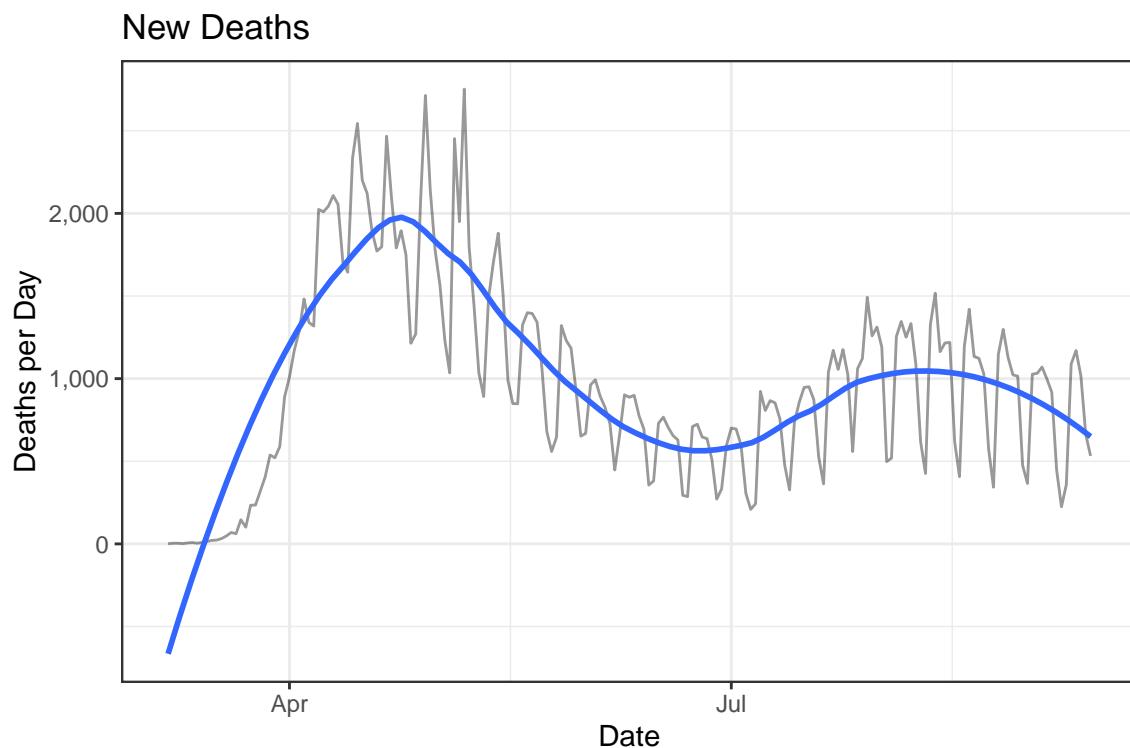
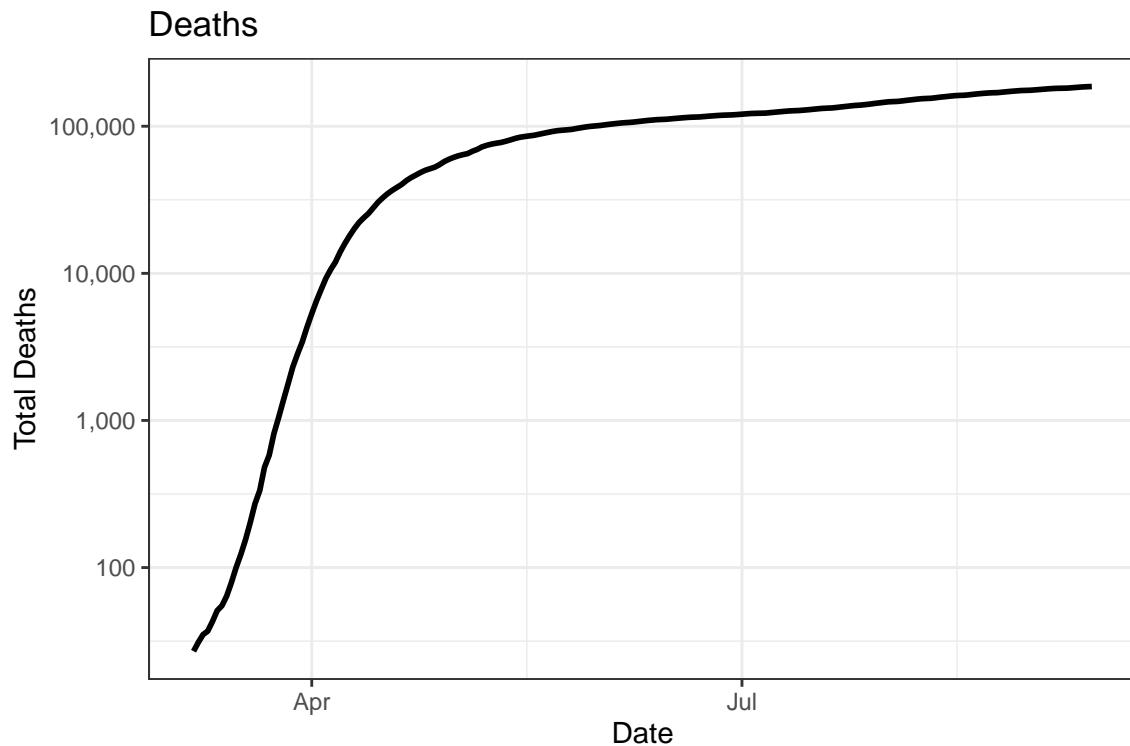
There have been 6,487,751 confirmed Covid-19 cases and 186,162 deaths in the United States.

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

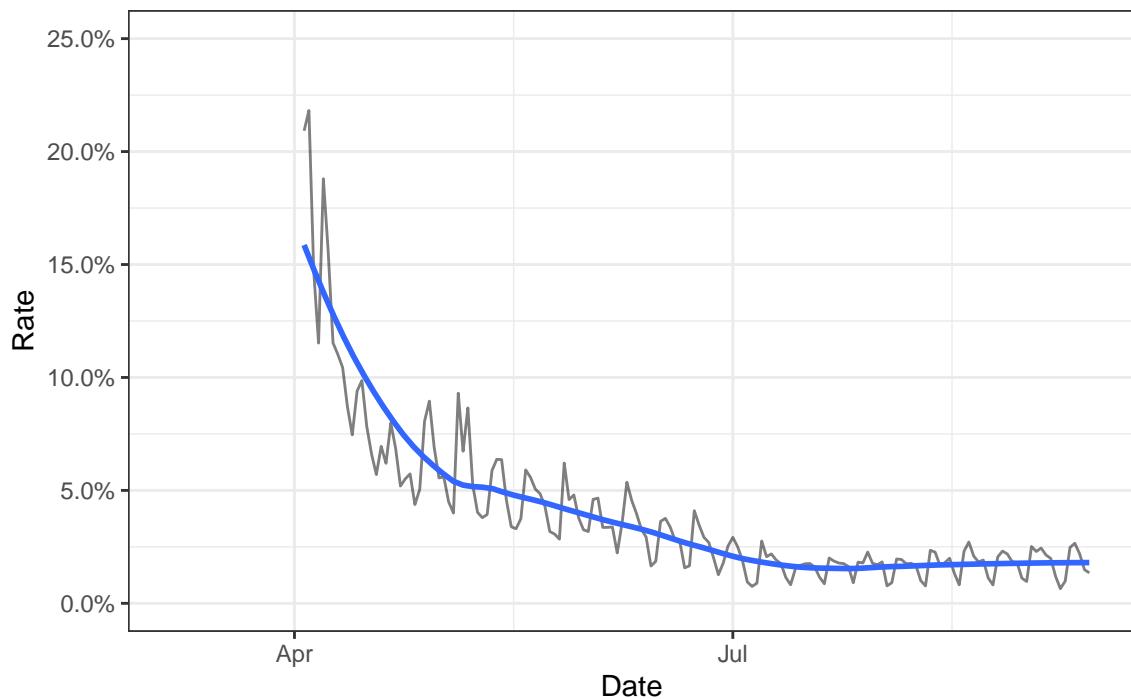
Date	Cases	Deaths	New Cases	New Deaths
2020-09-13	6,487,751	186,162	38,543	532
2020-09-12	6,449,208	185,630	37,295	663
2020-09-11	6,411,913	184,967	44,927	1,018
2020-09-10	6,366,986	183,949	37,581	1,170
2020-09-09	6,329,405	182,779	30,983	1,089
2020-09-08	6,298,422	181,690	22,223	358
2020-09-07	6,276,199	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

Deaths

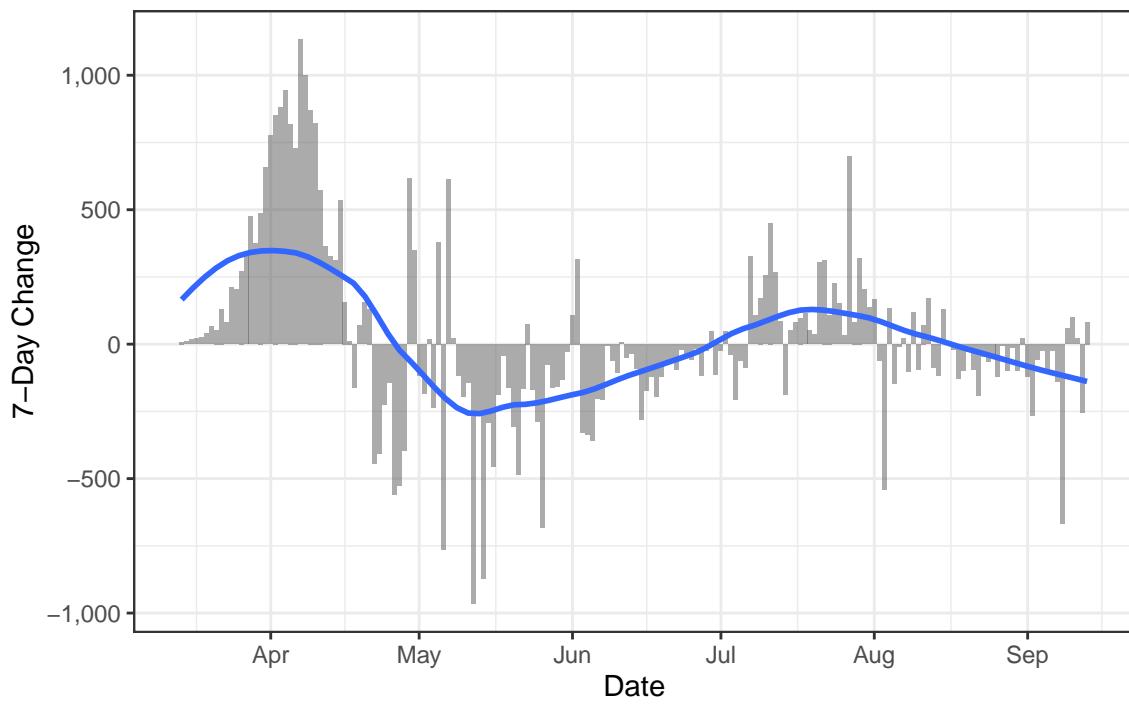
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

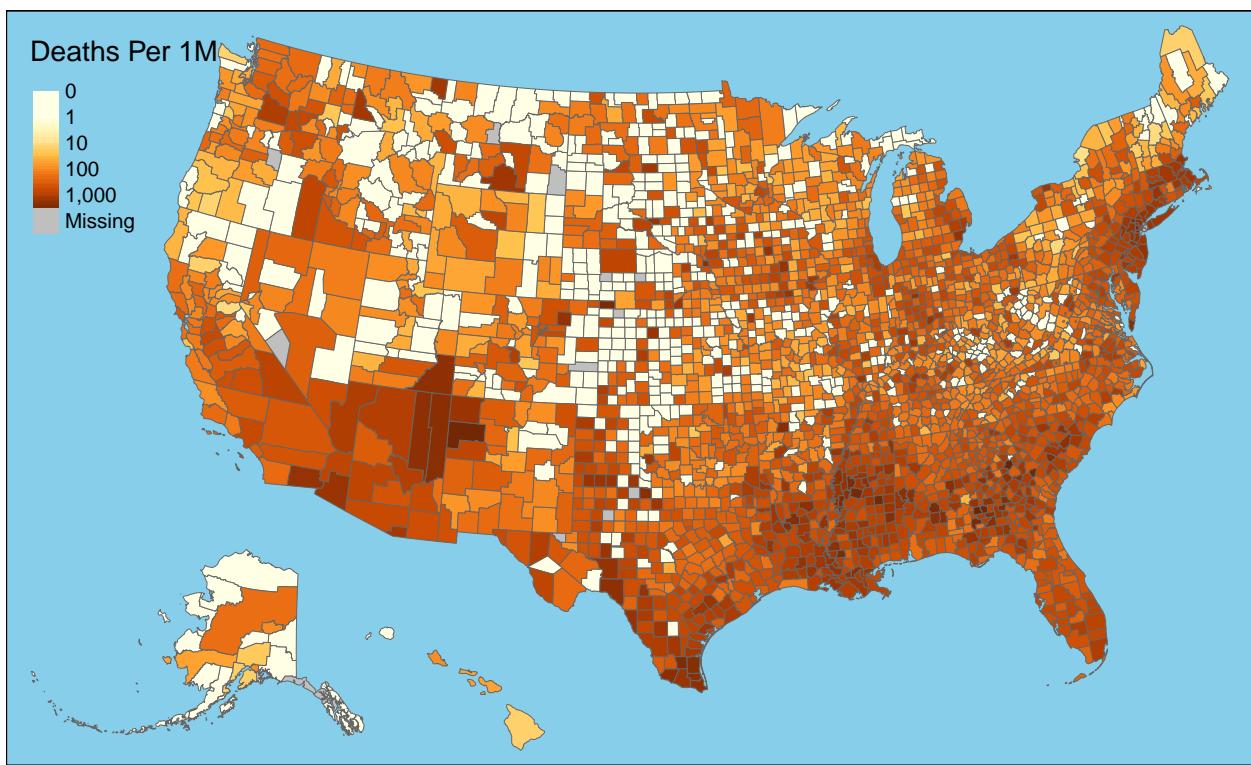


Daily Case Mortality Rate



One-Week Change in Daily Deaths

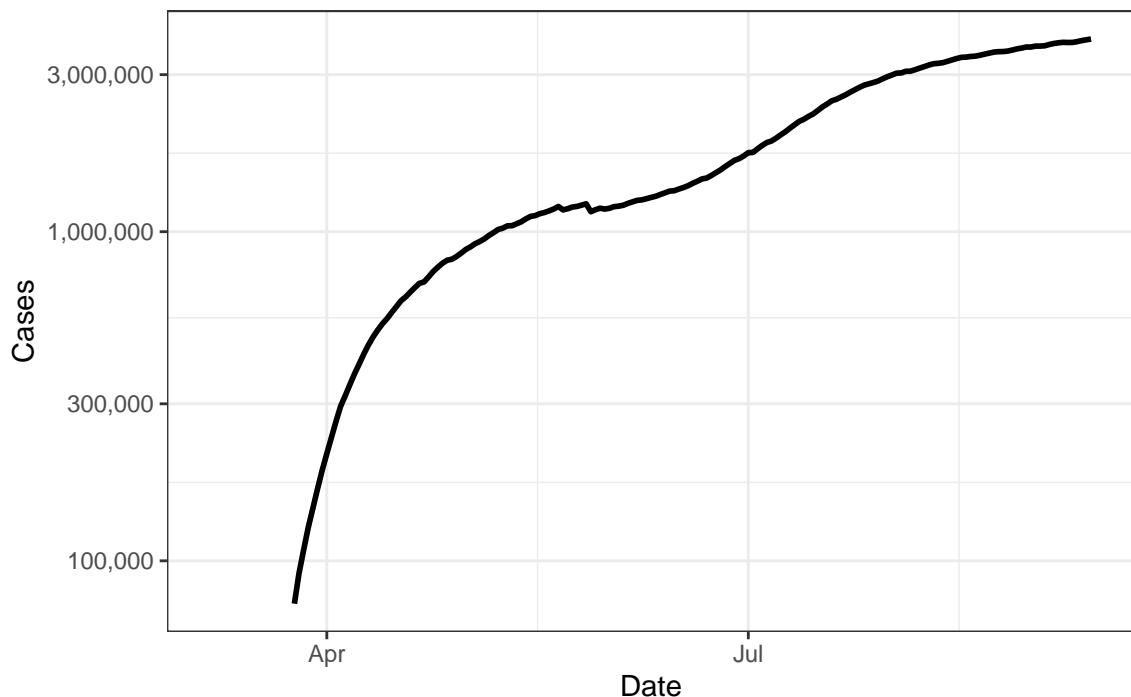




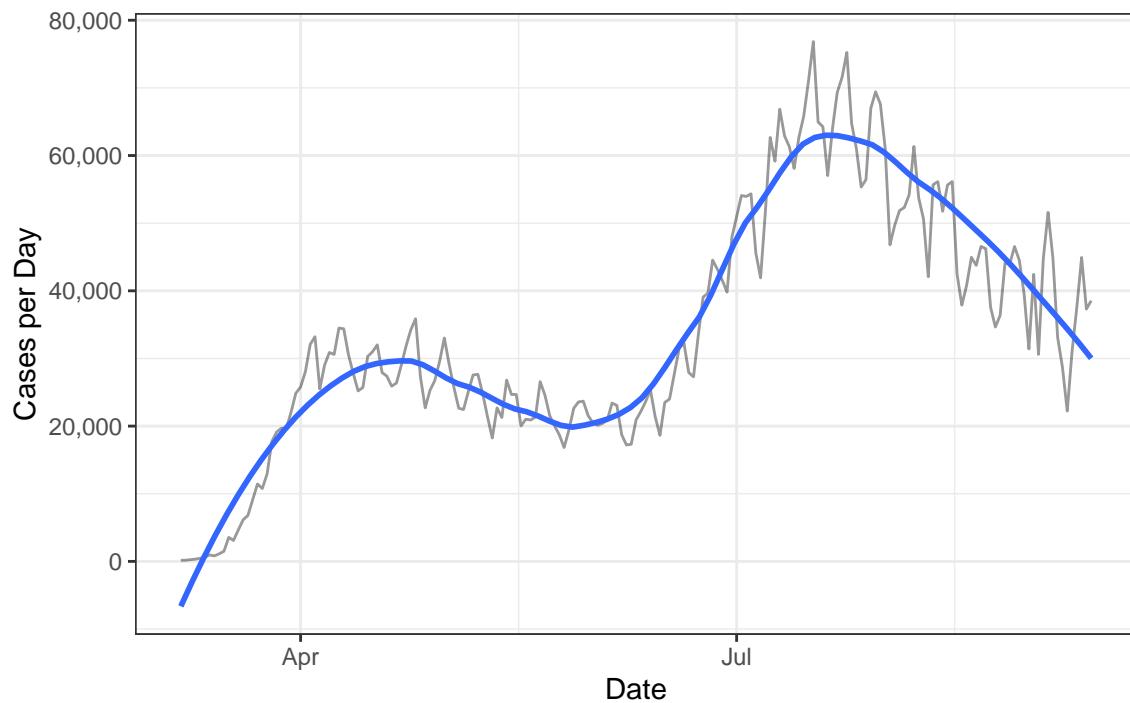
Cases

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

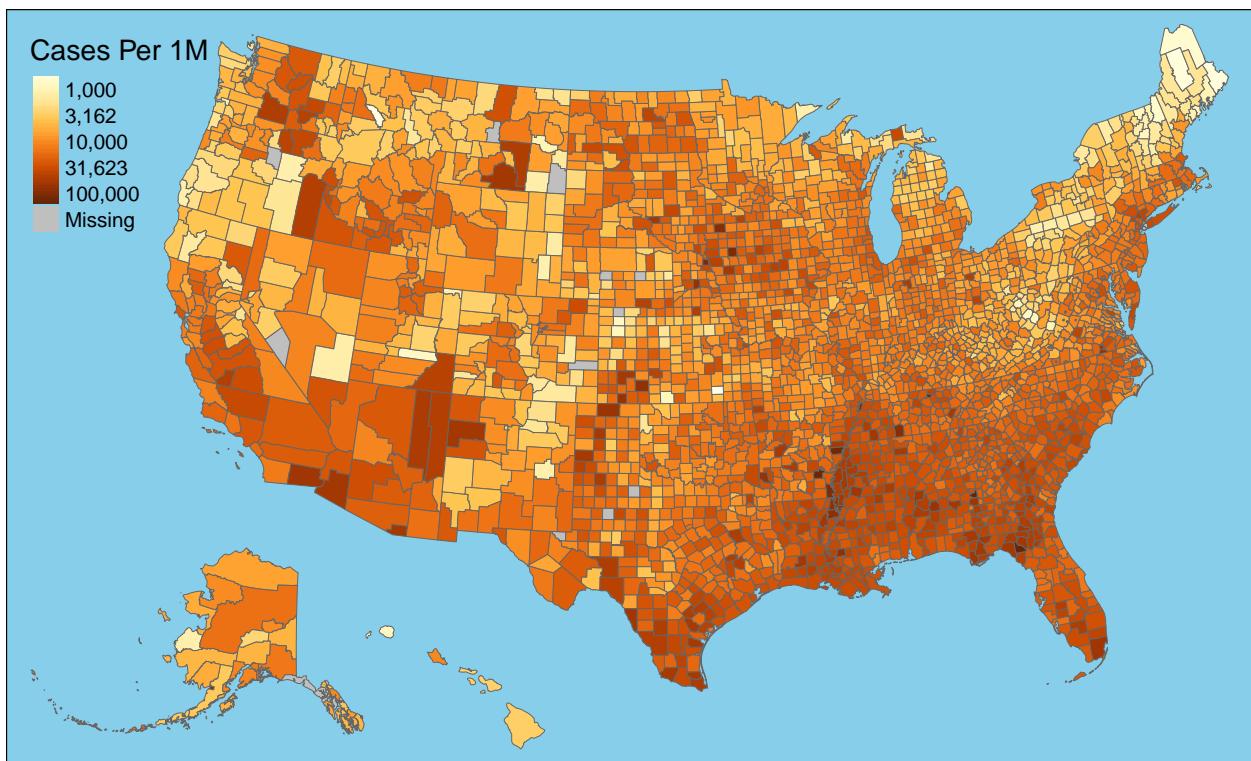
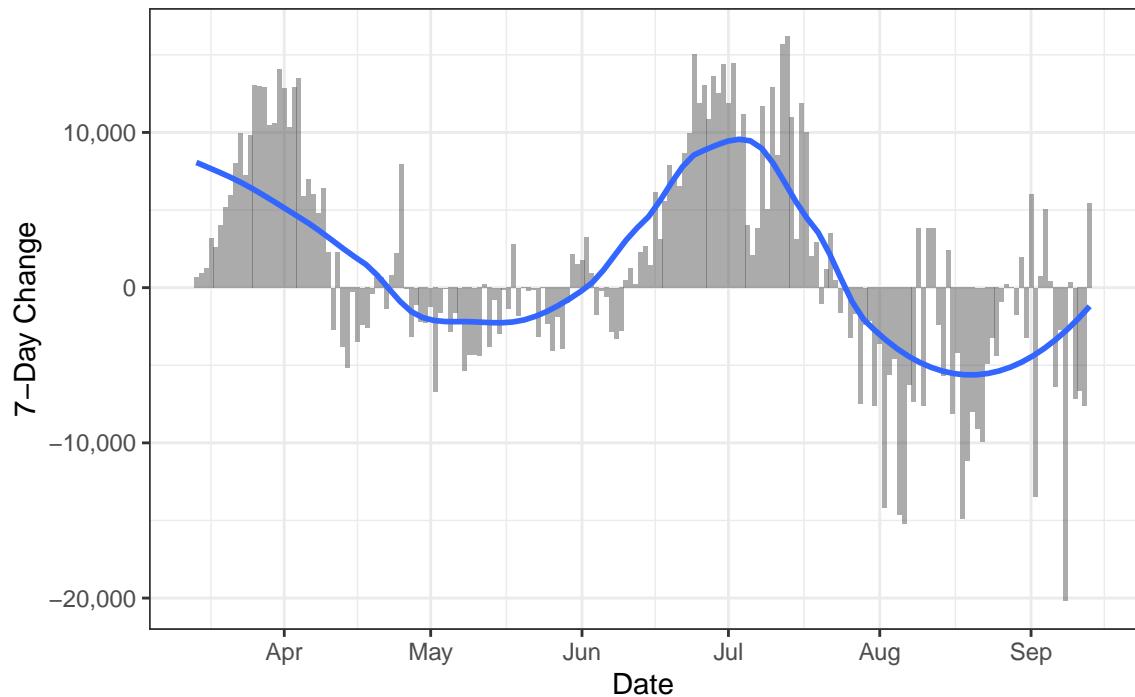
Active Cases



New Cases

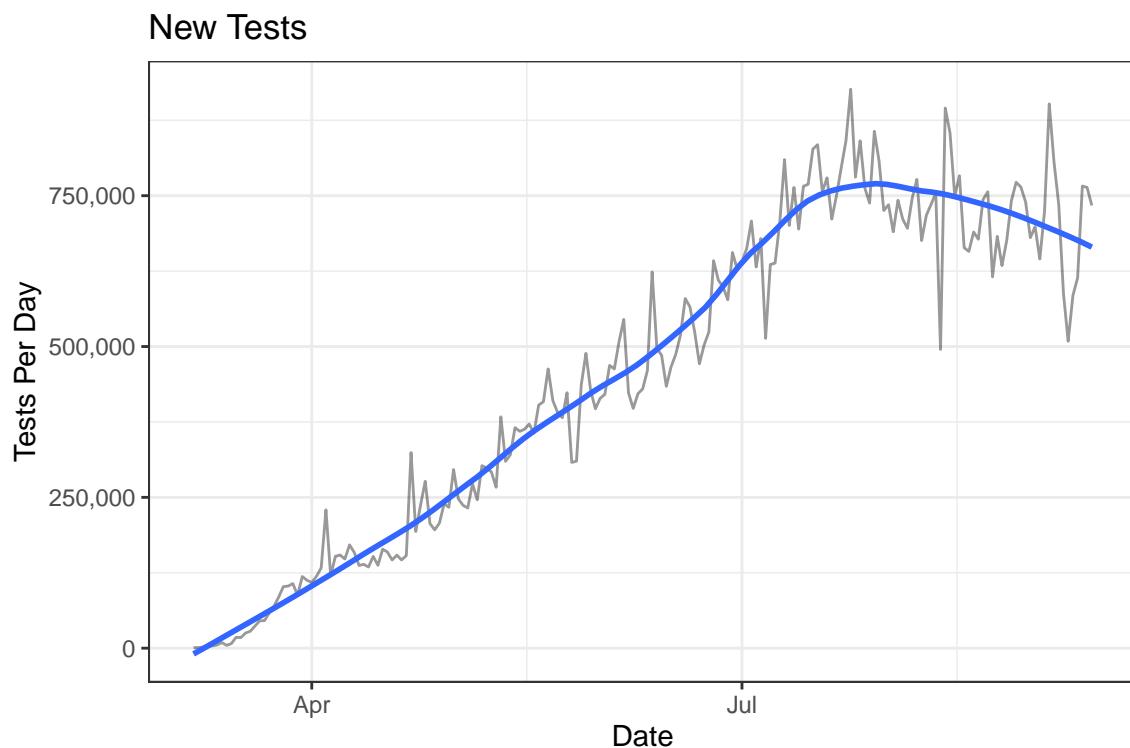
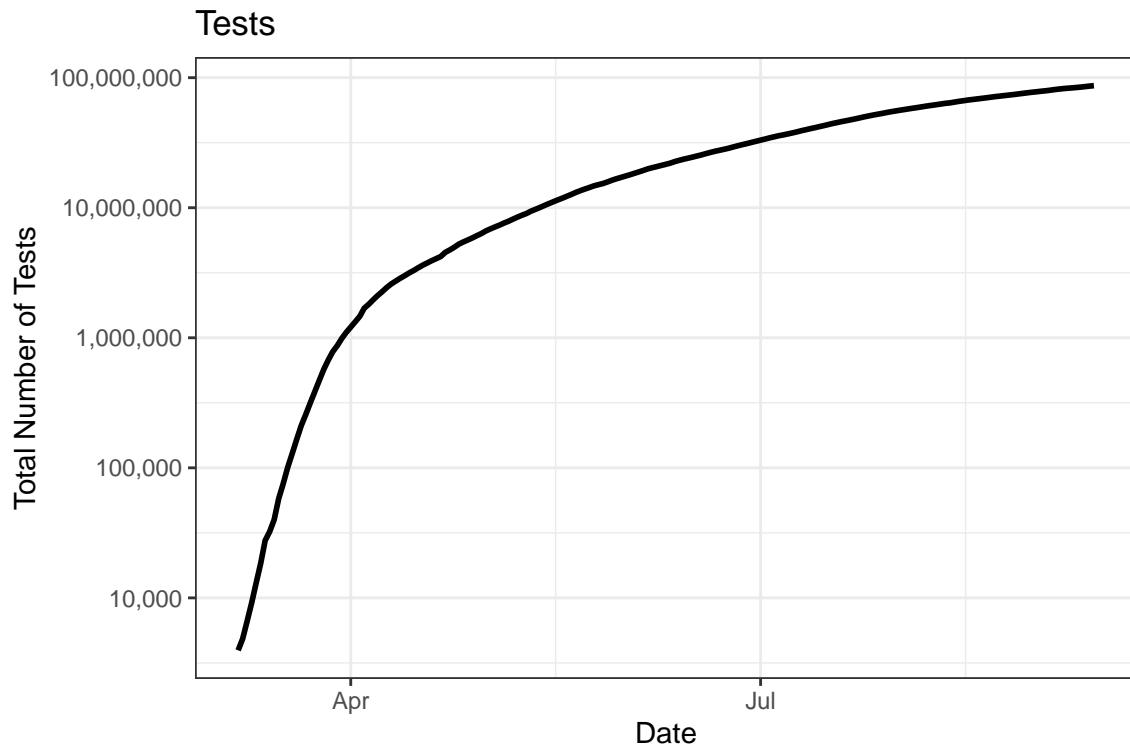


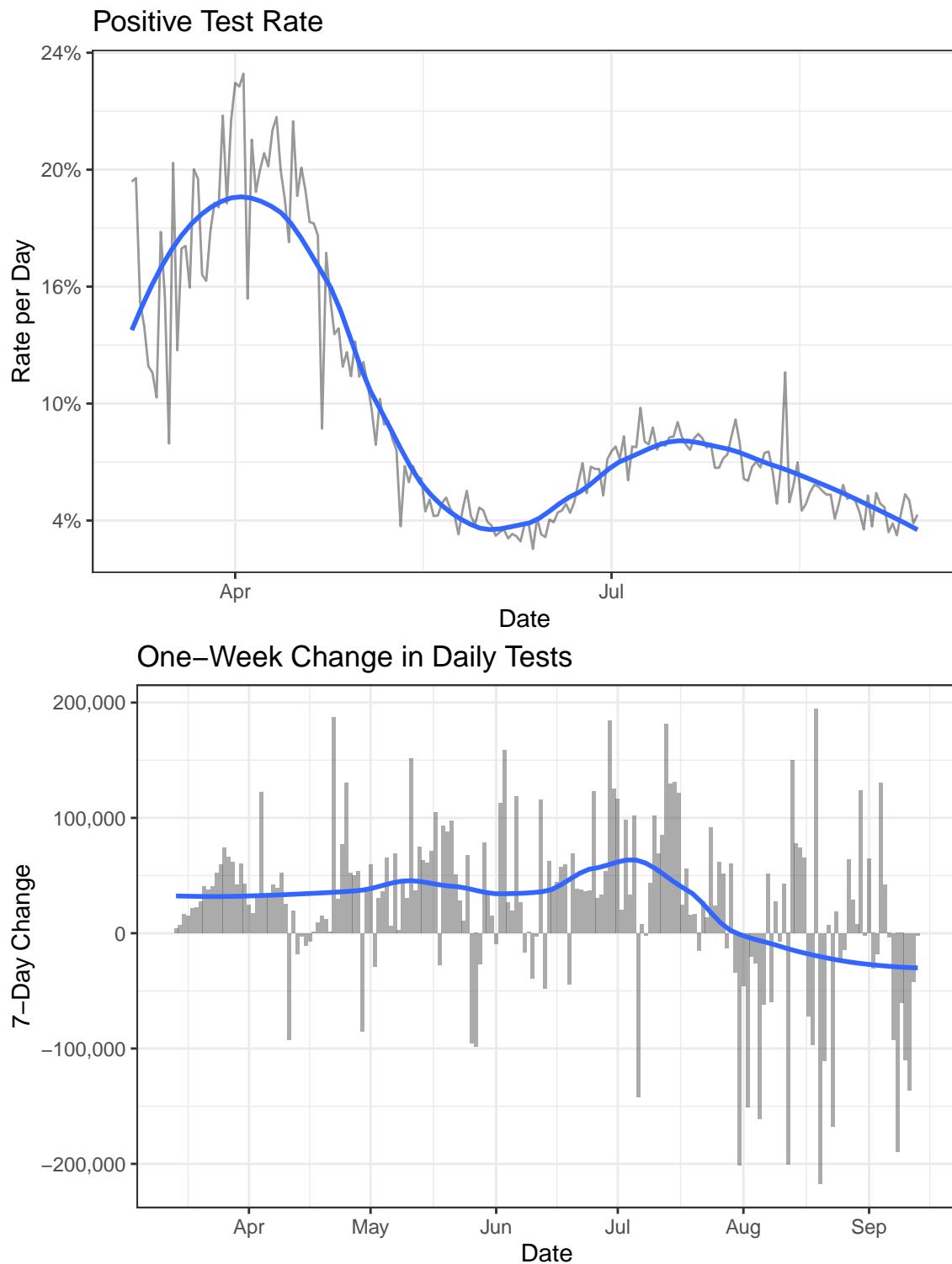
One-Week Change in Daily Cases



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.



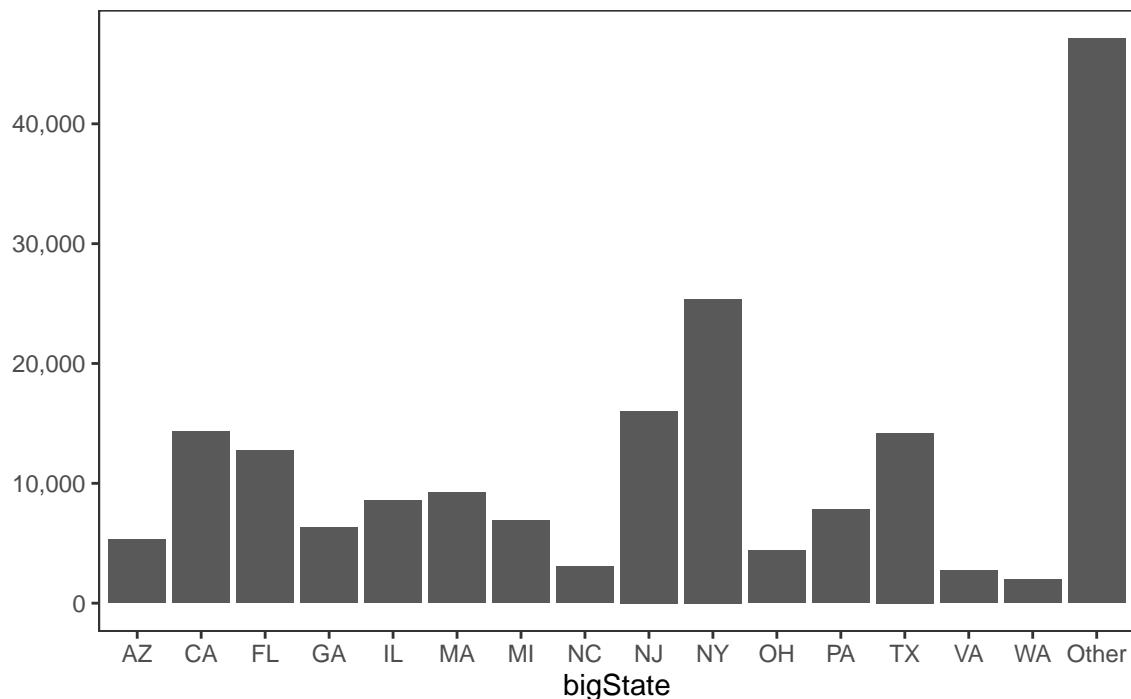


State Data

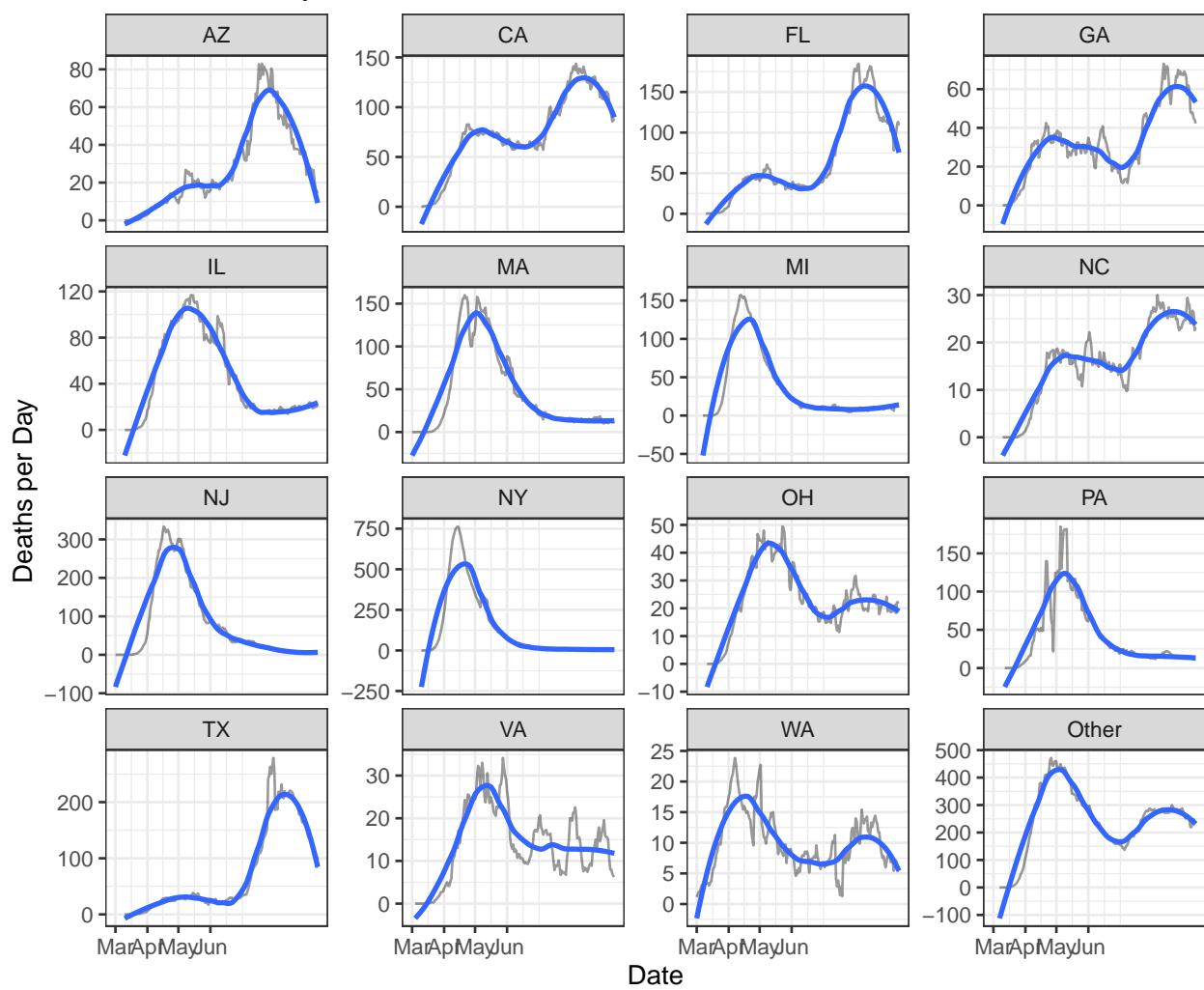
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

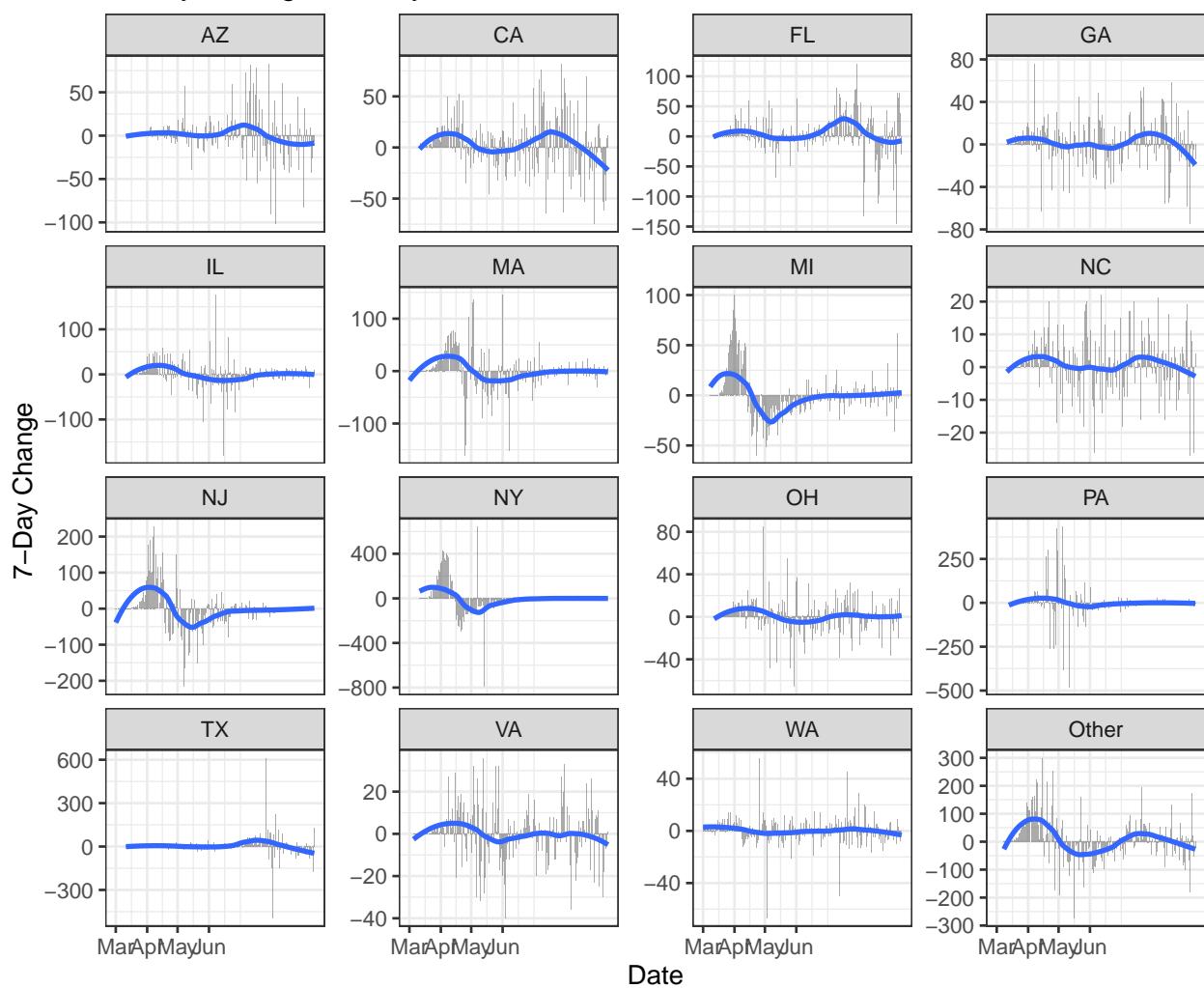
Deaths by State

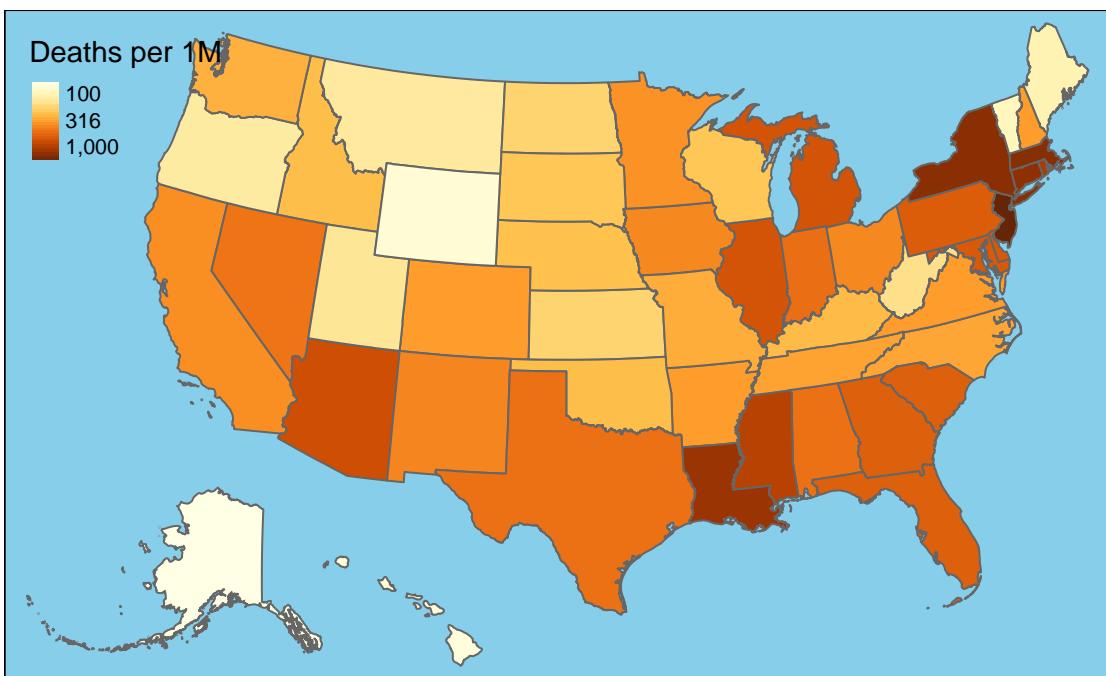
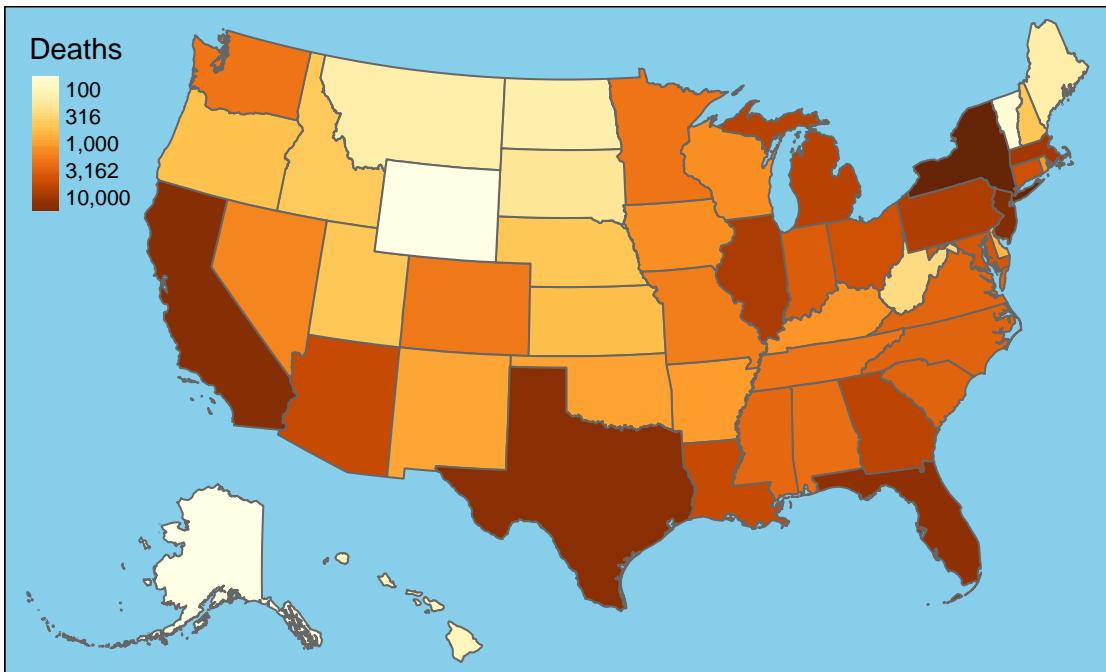


New Deaths by State



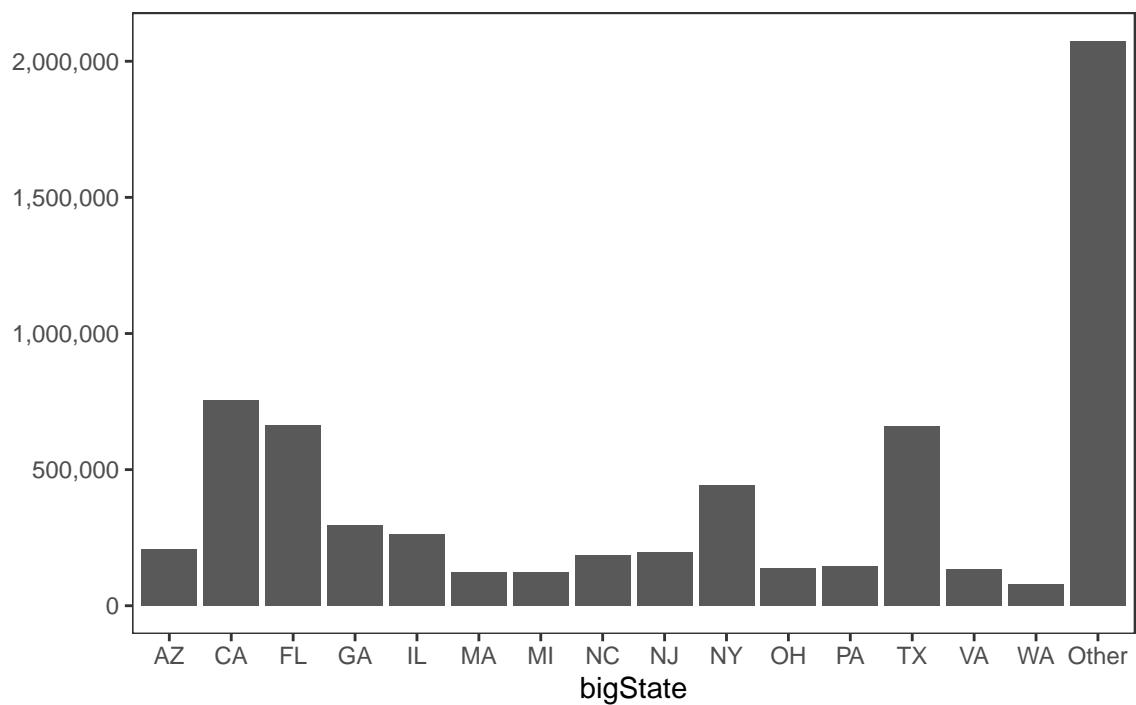
7-Day Change in Daily Deaths



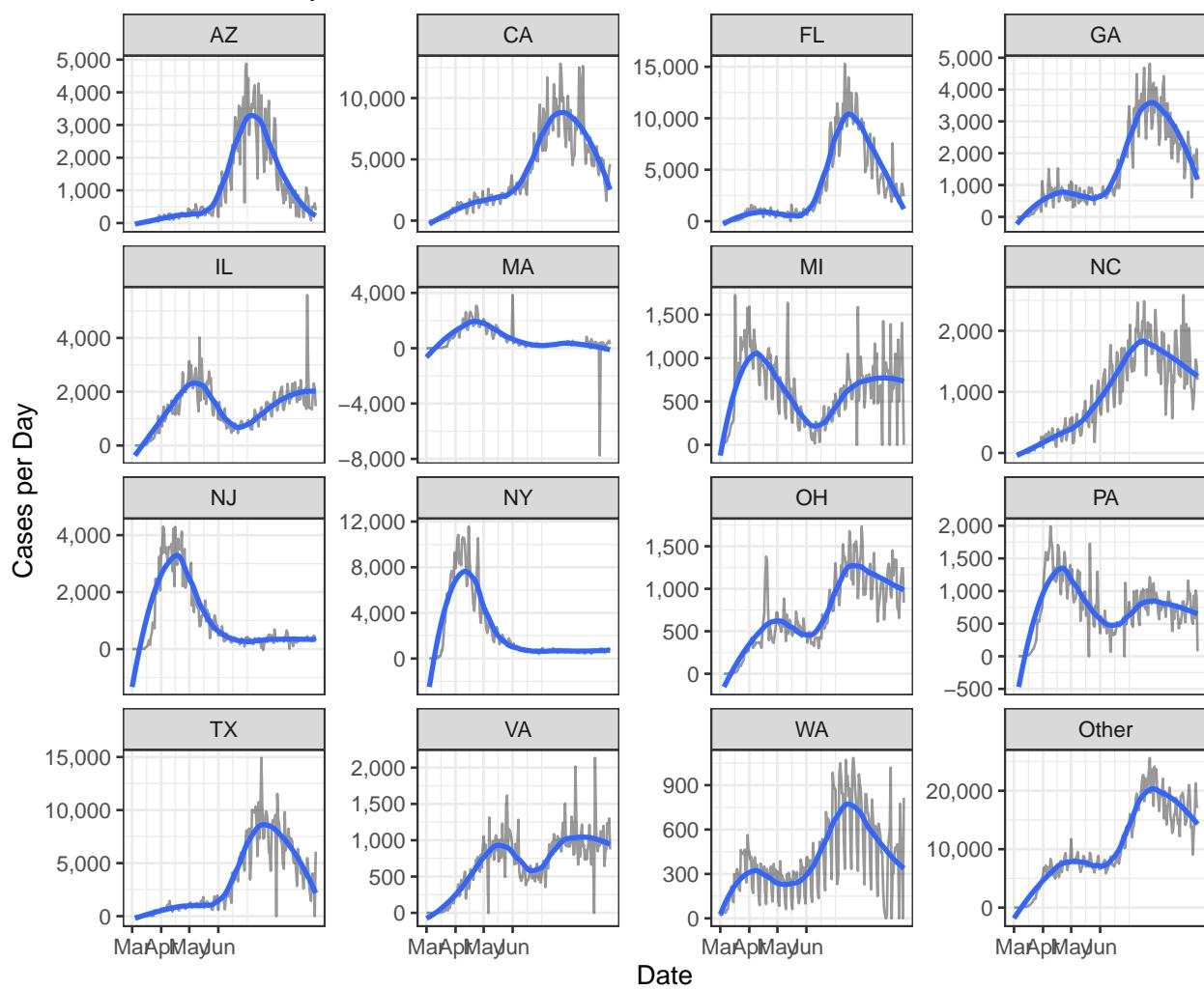


Cases

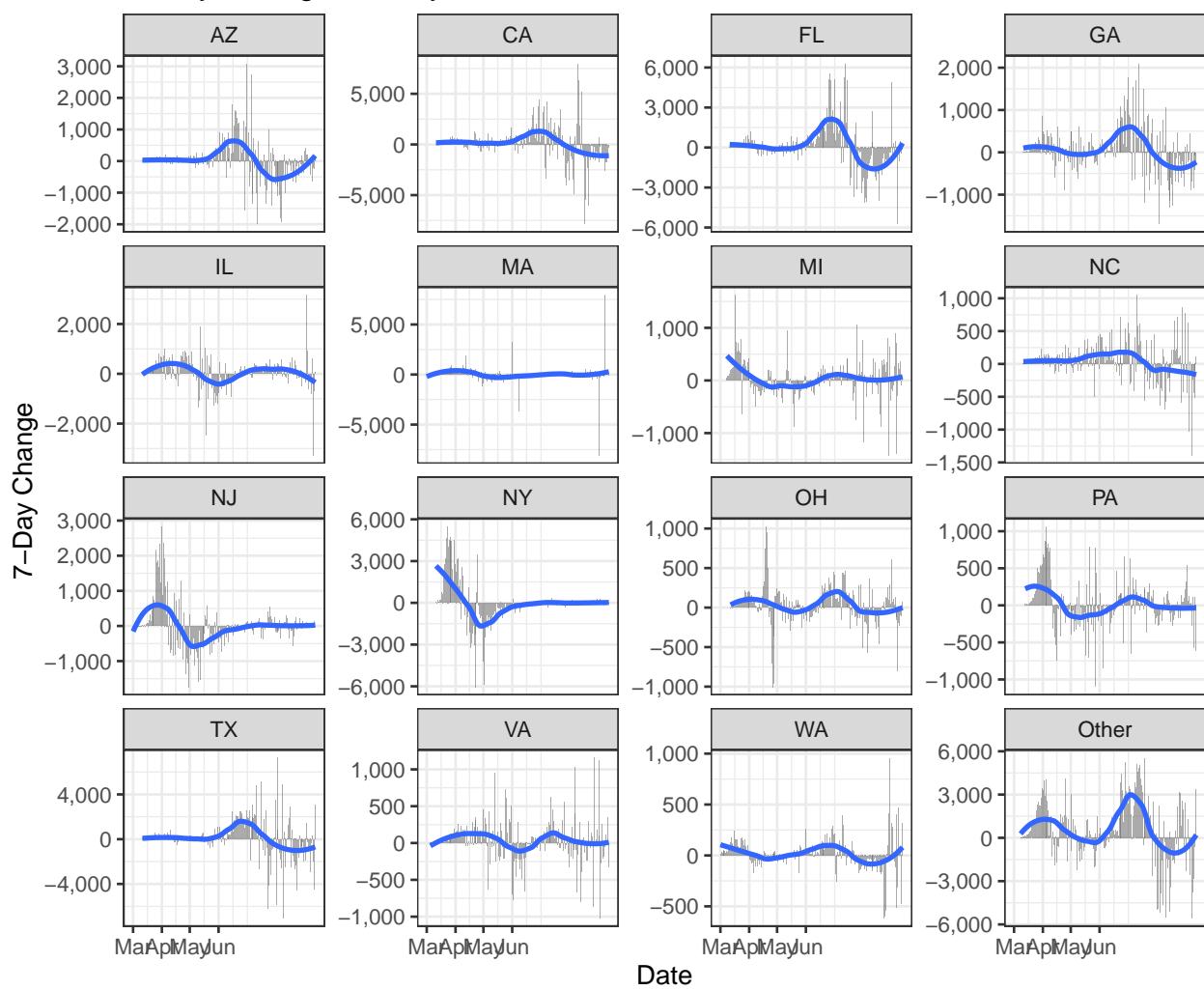
Cases by State

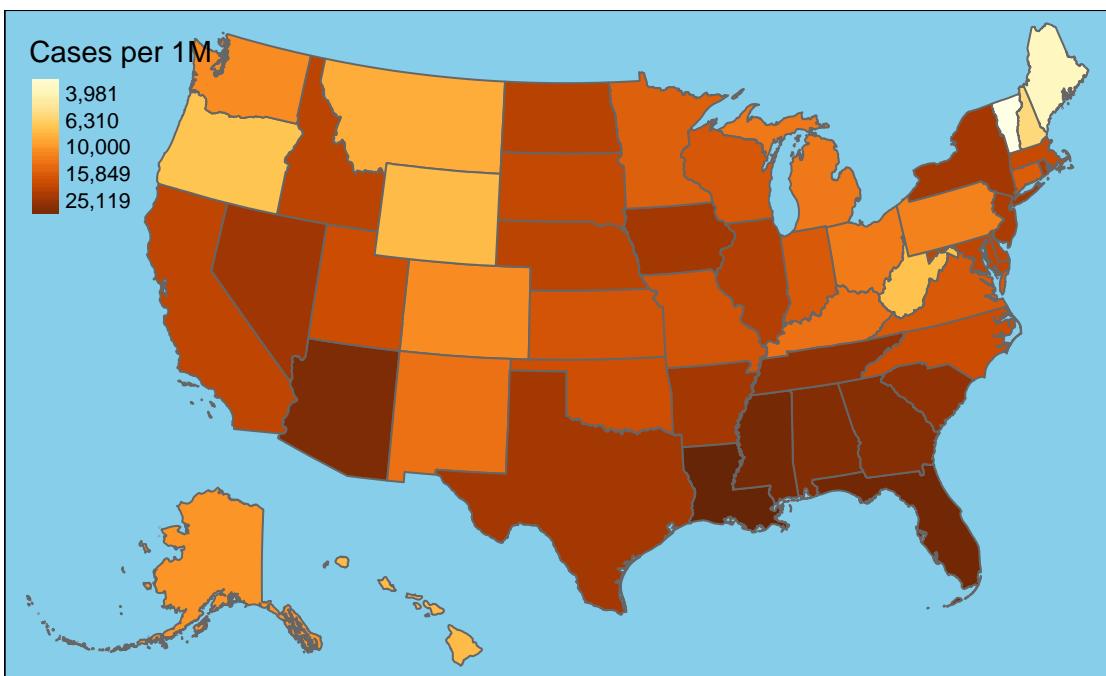
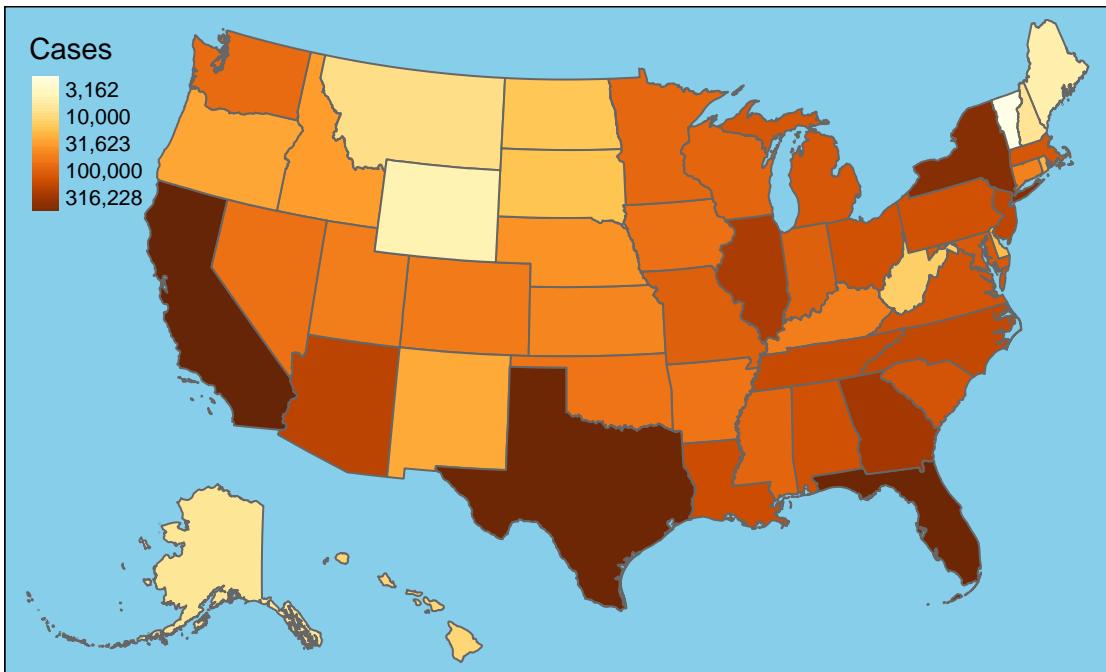


New Cases by State



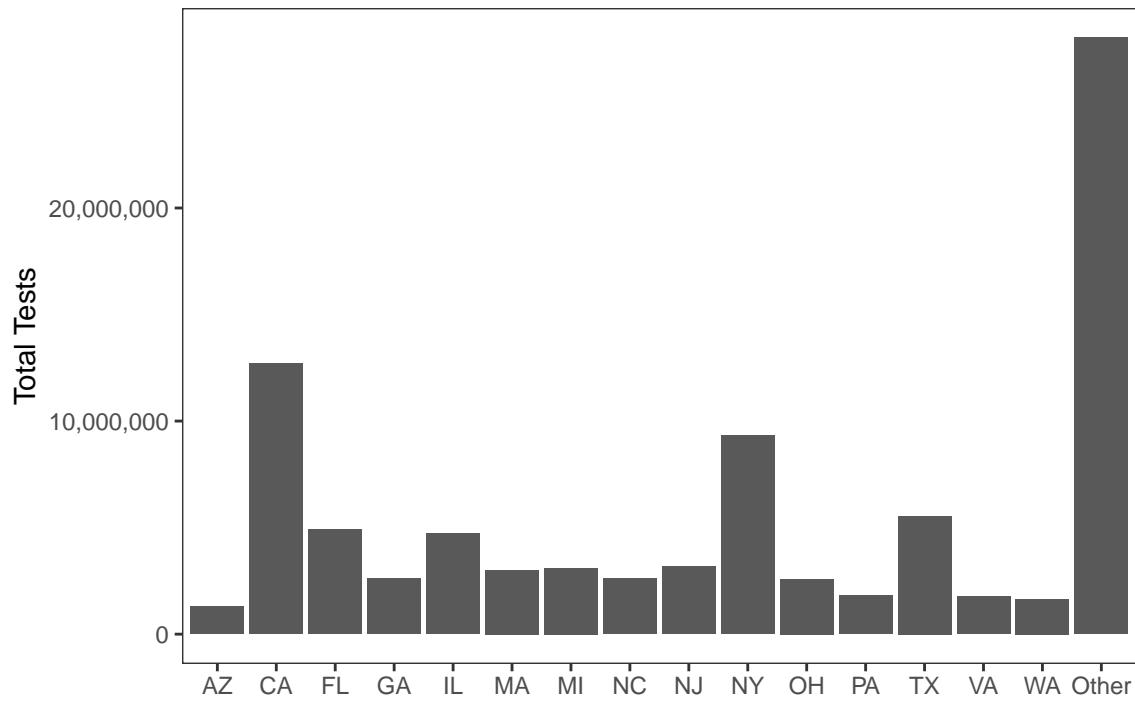
7-Day Change in Daily Cases



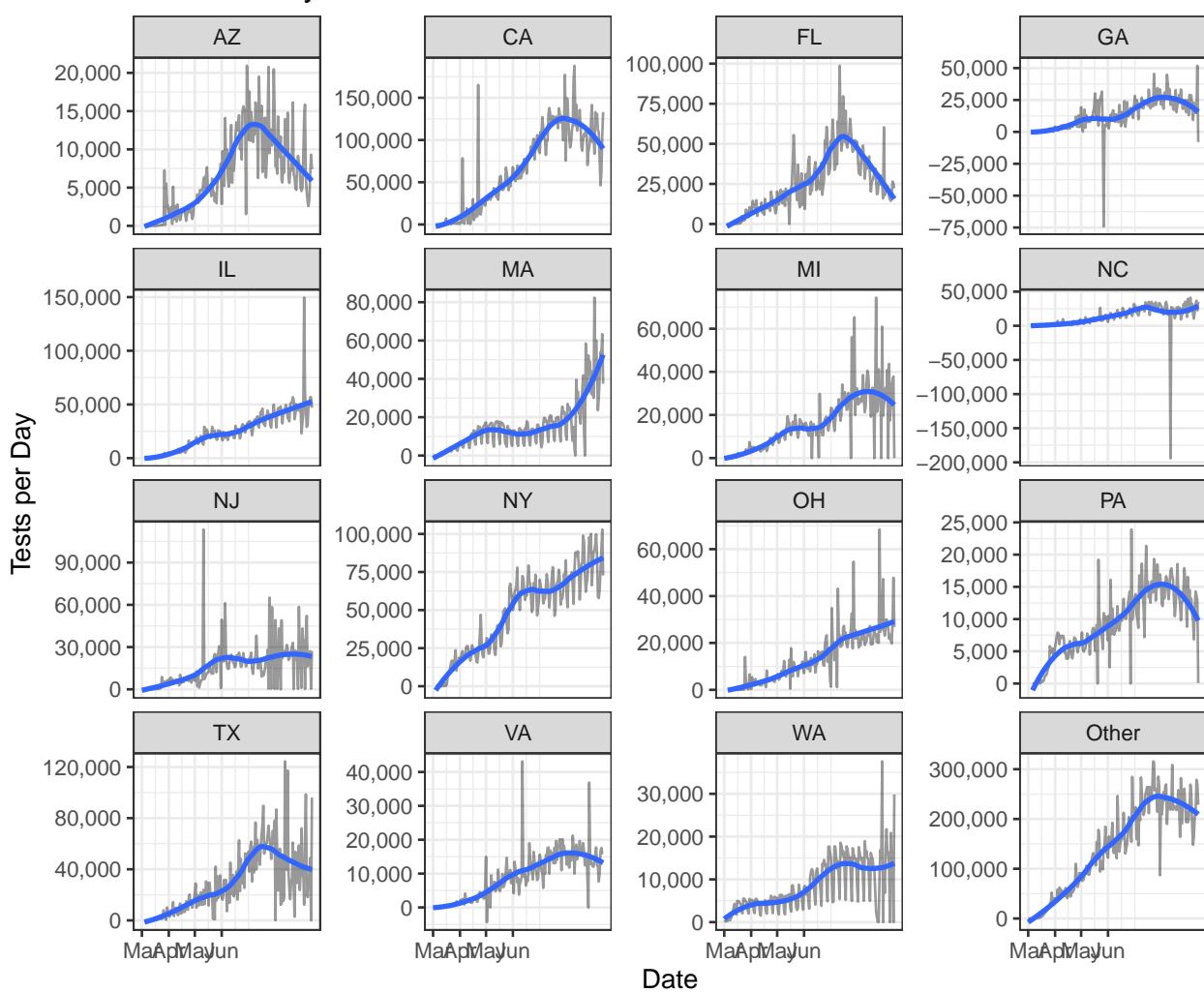


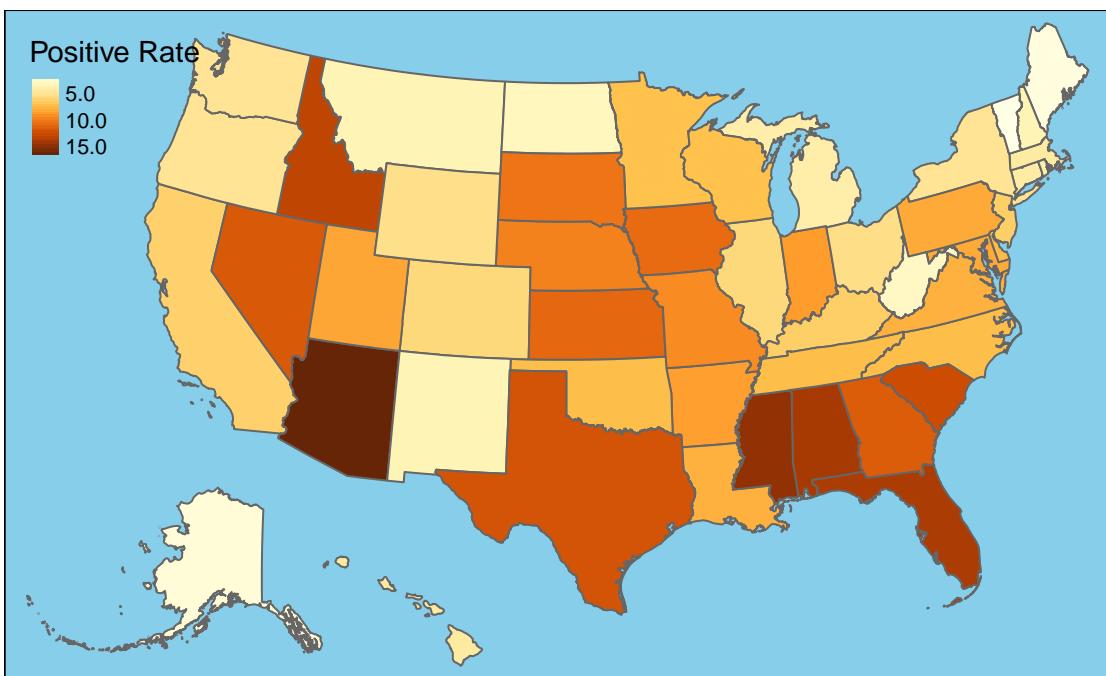
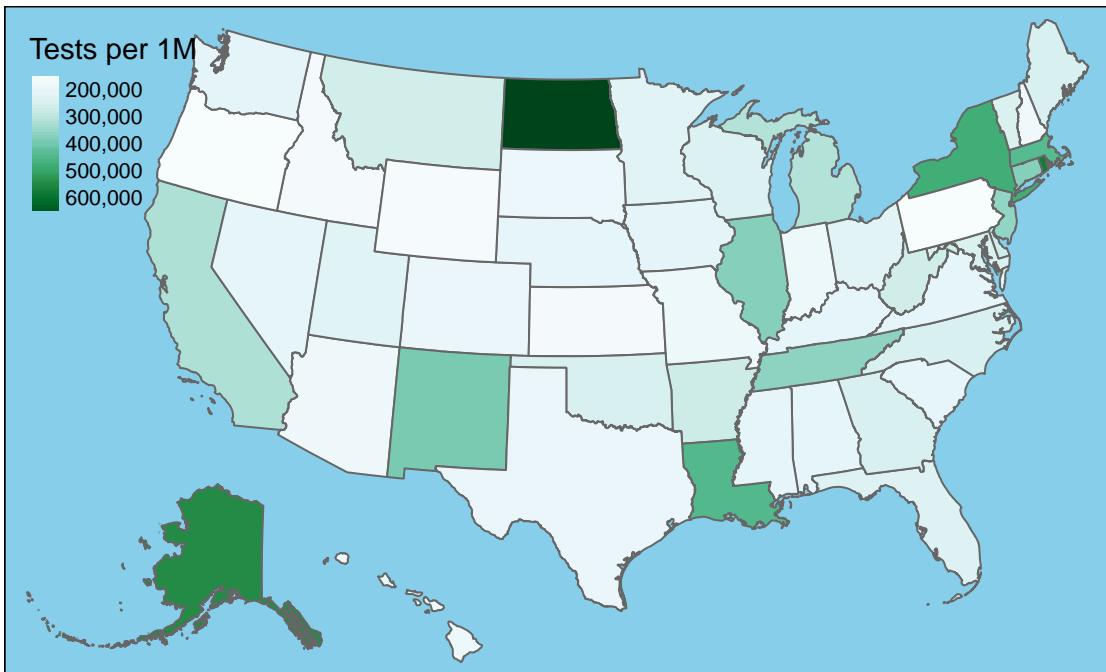
Testing

Tests by State



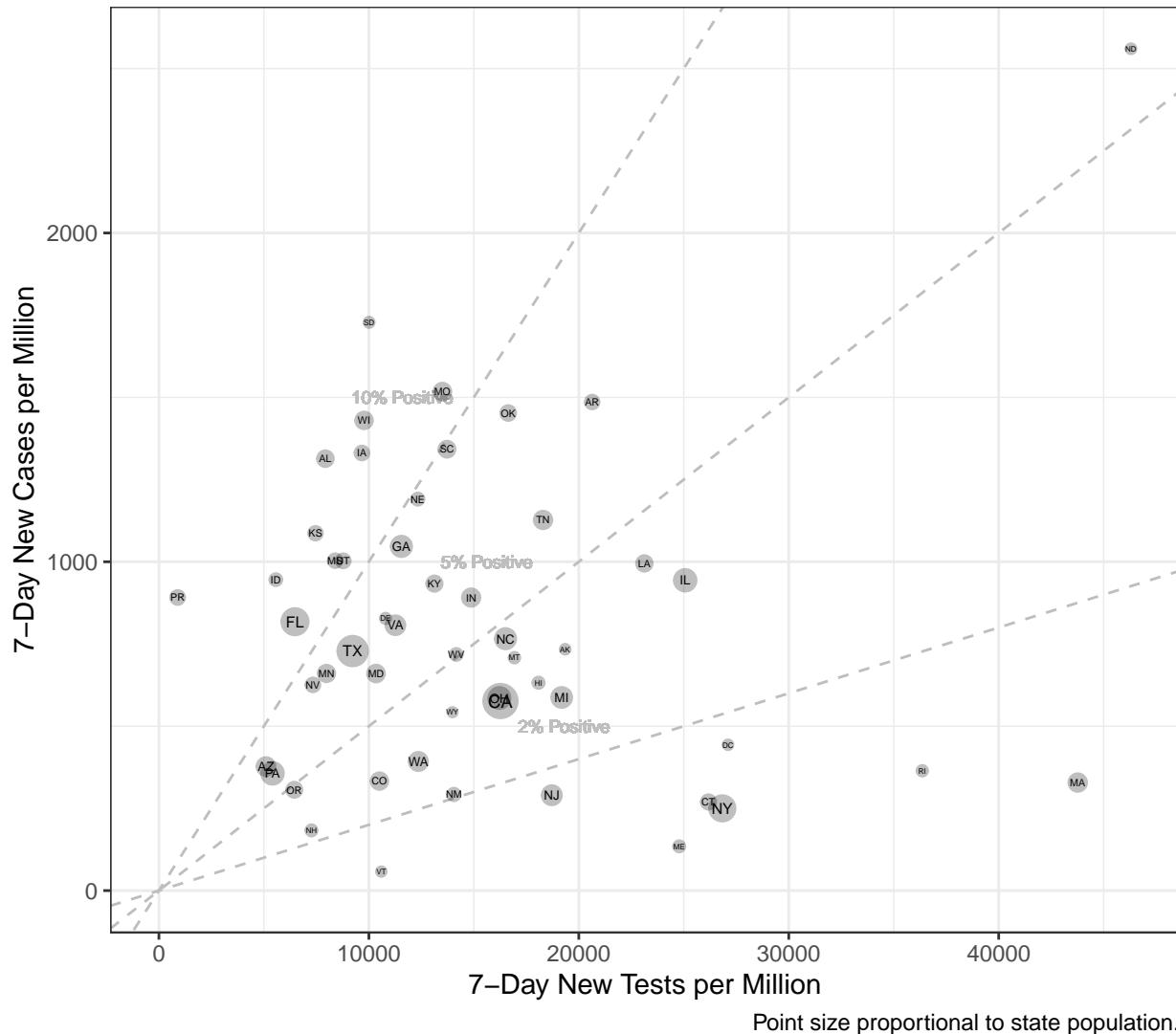
New Tests by State





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



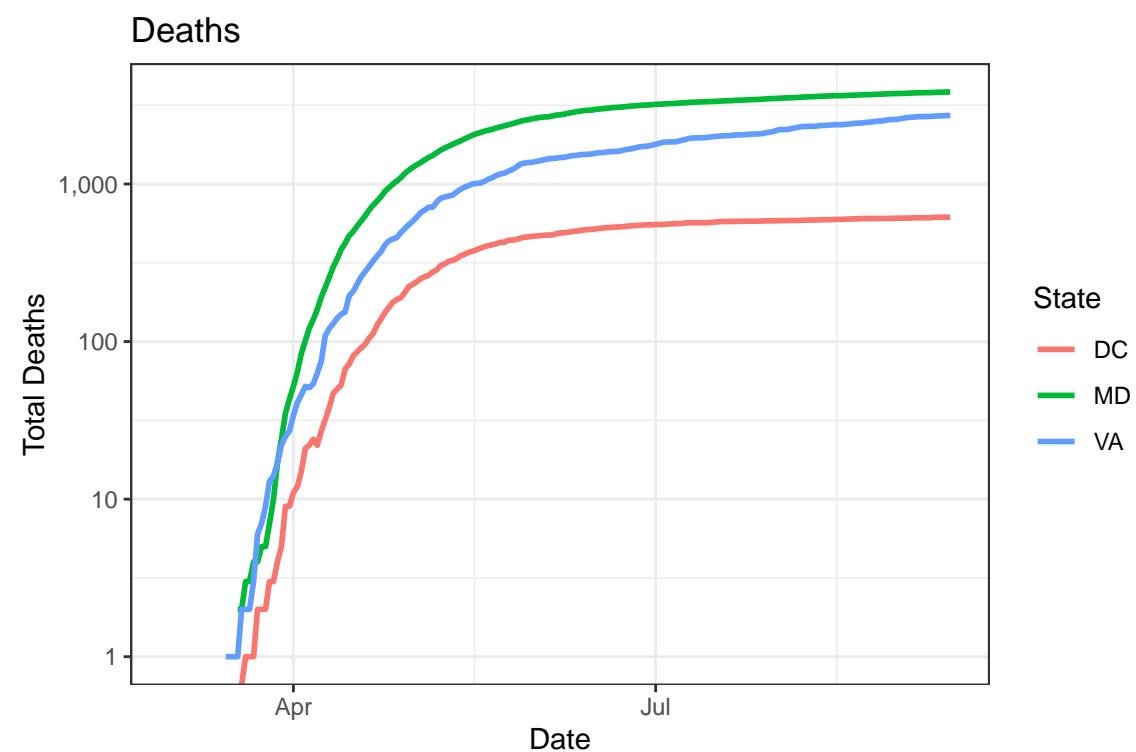
Local Data

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

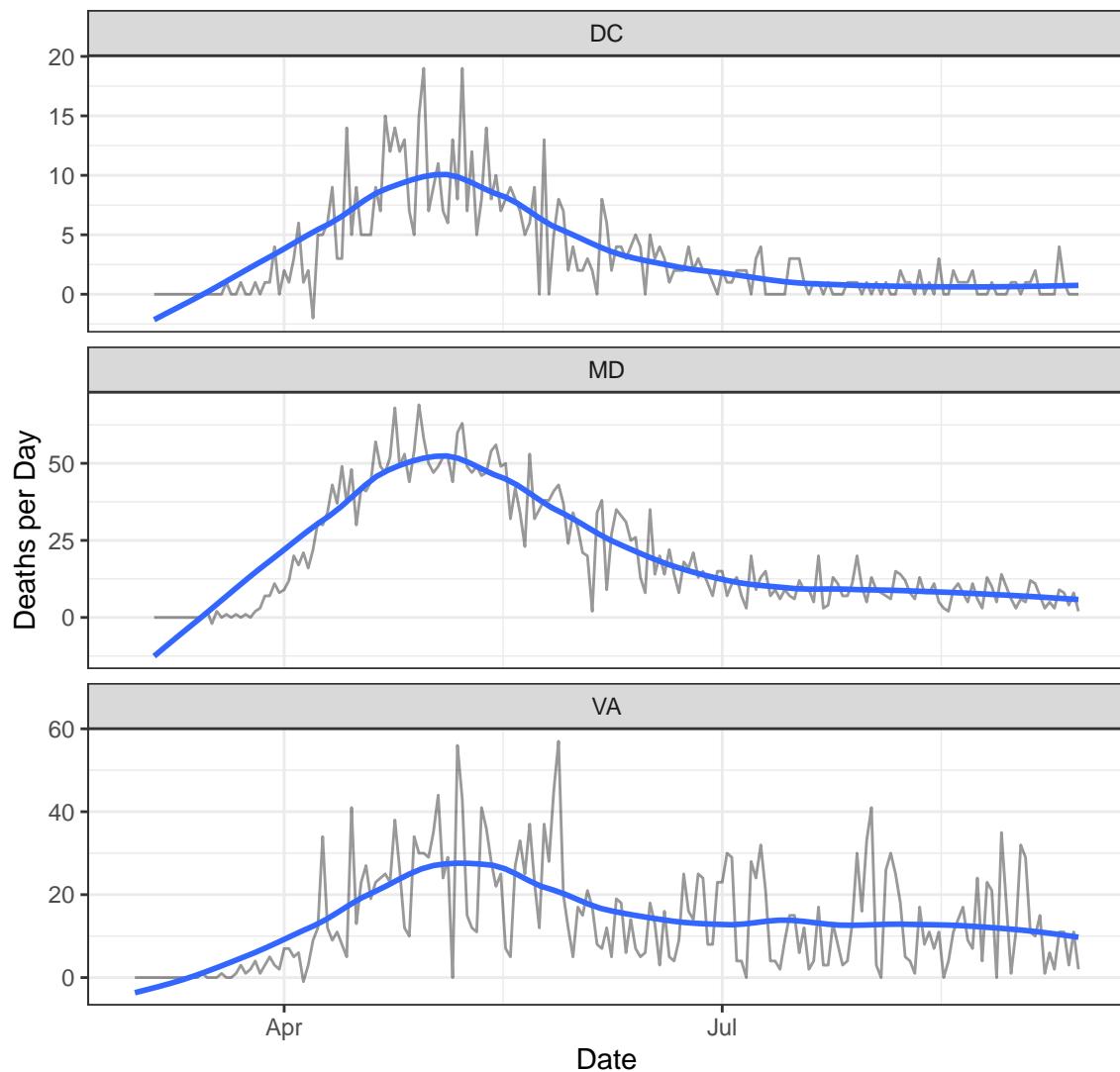
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,592	616	40	0
MD	116,110	3,838	577	2
VA	133,814	2,724	874	2

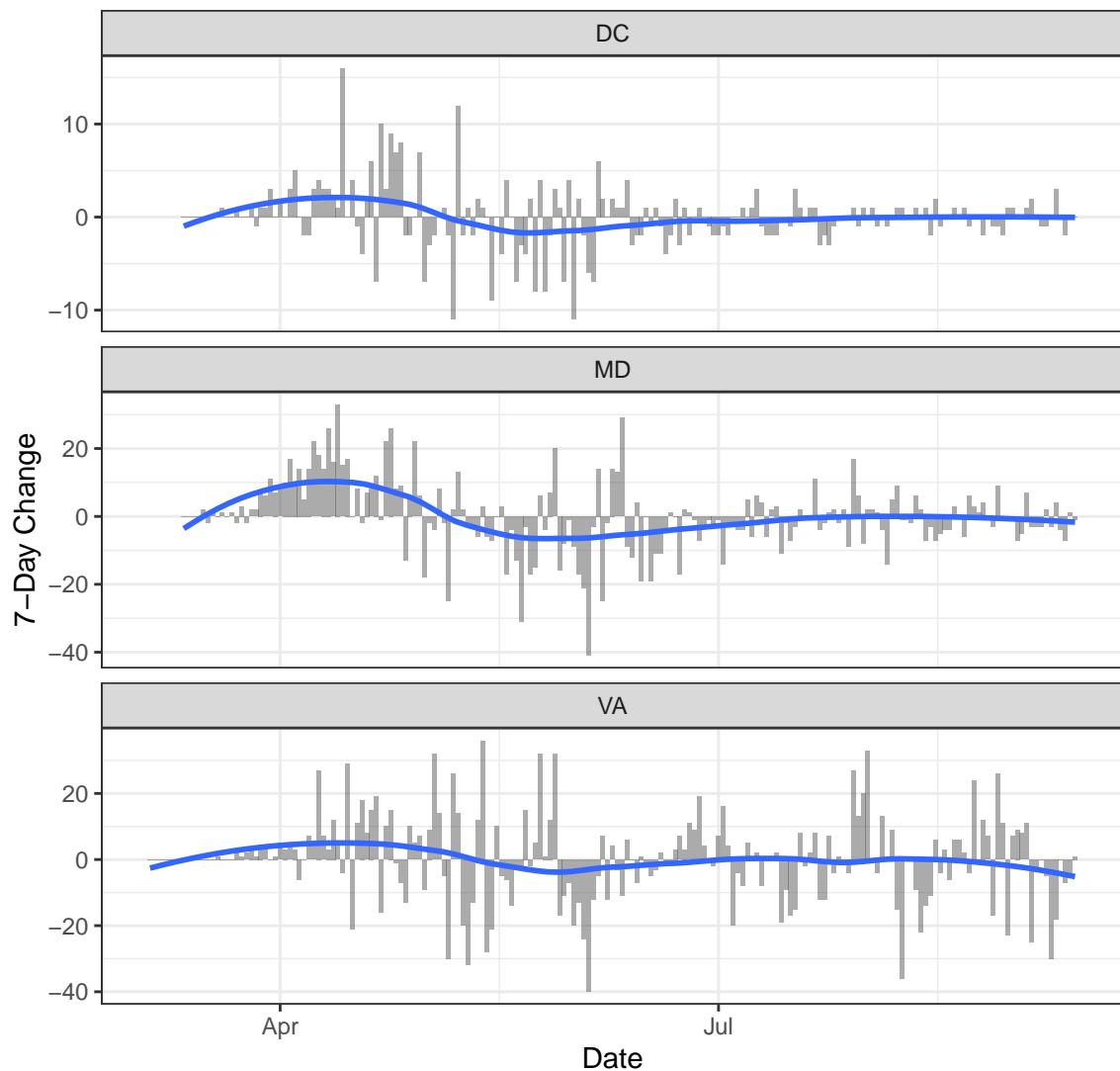
Deaths

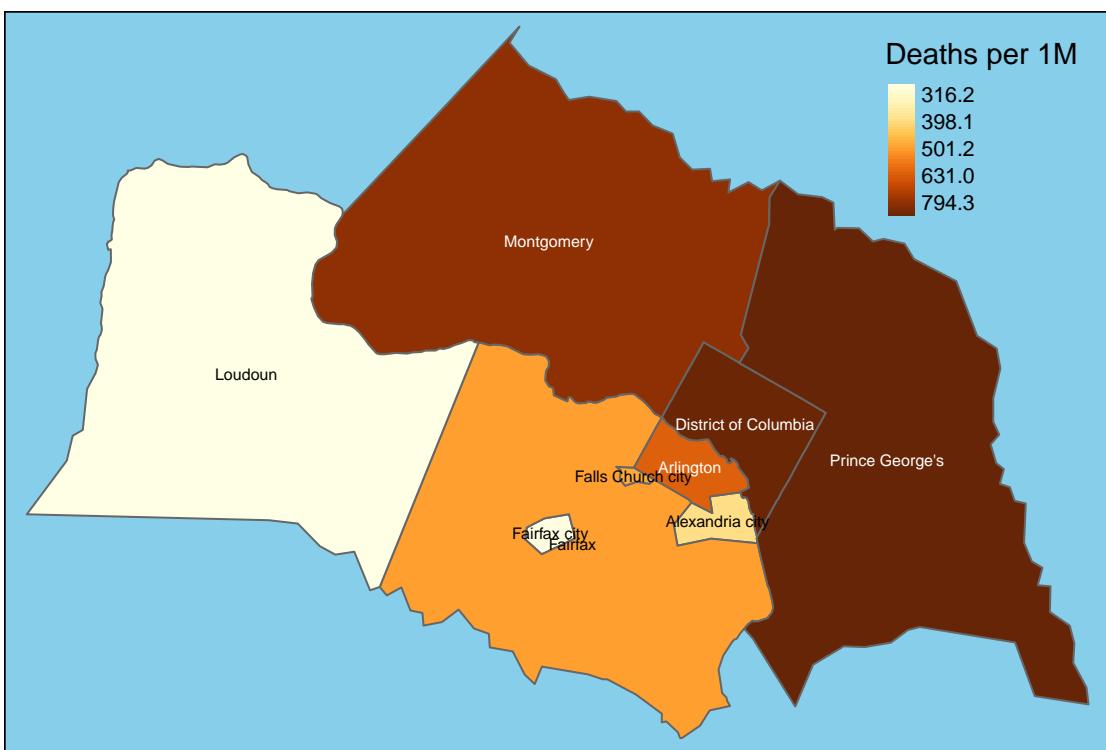
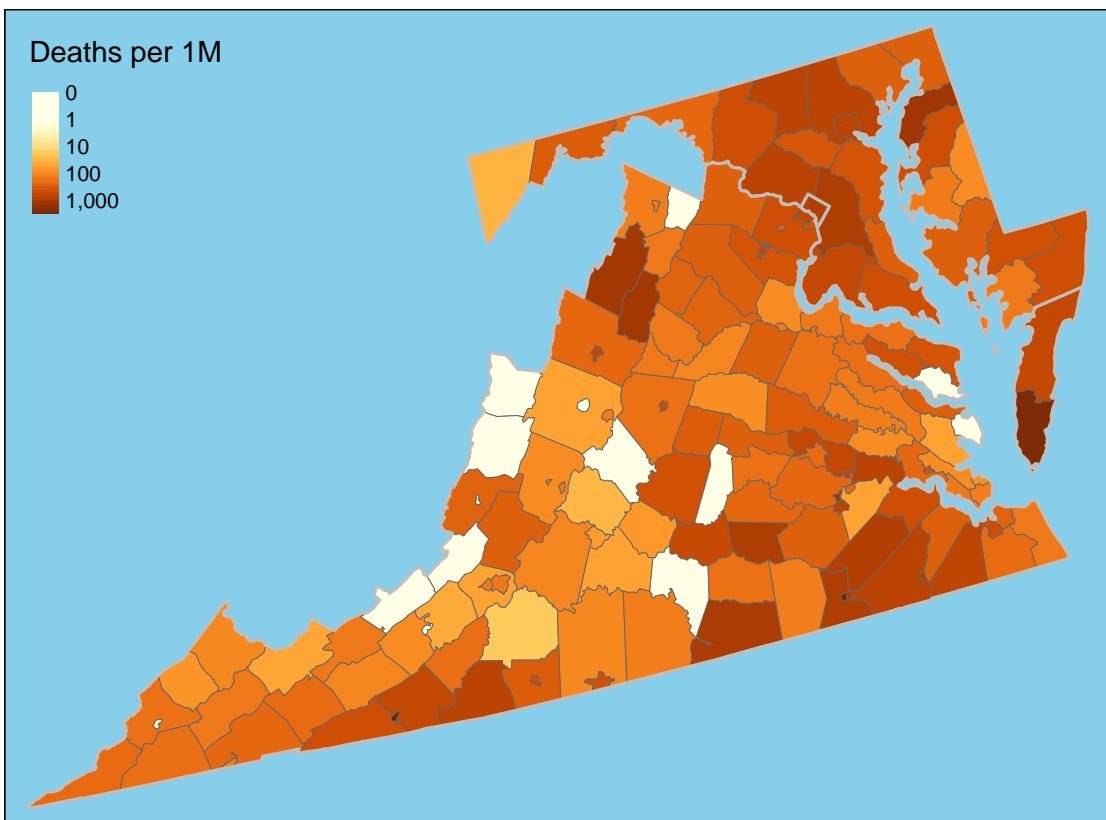


New Deaths

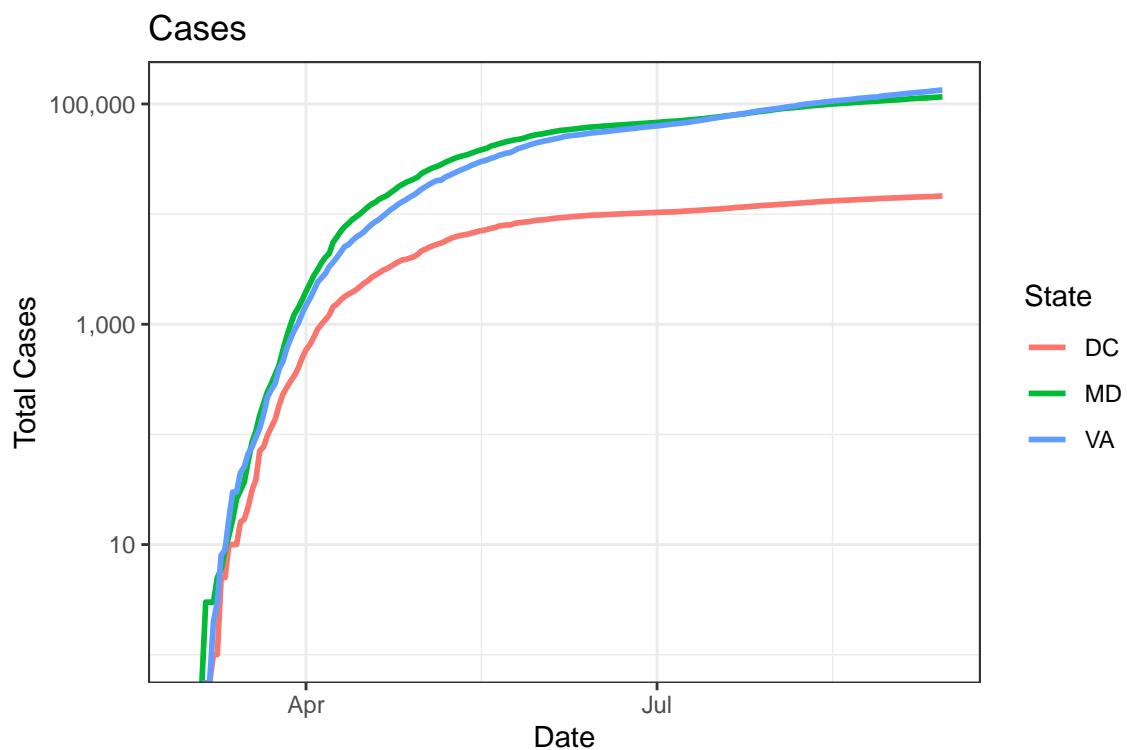


One-Week Change in Daily Deaths

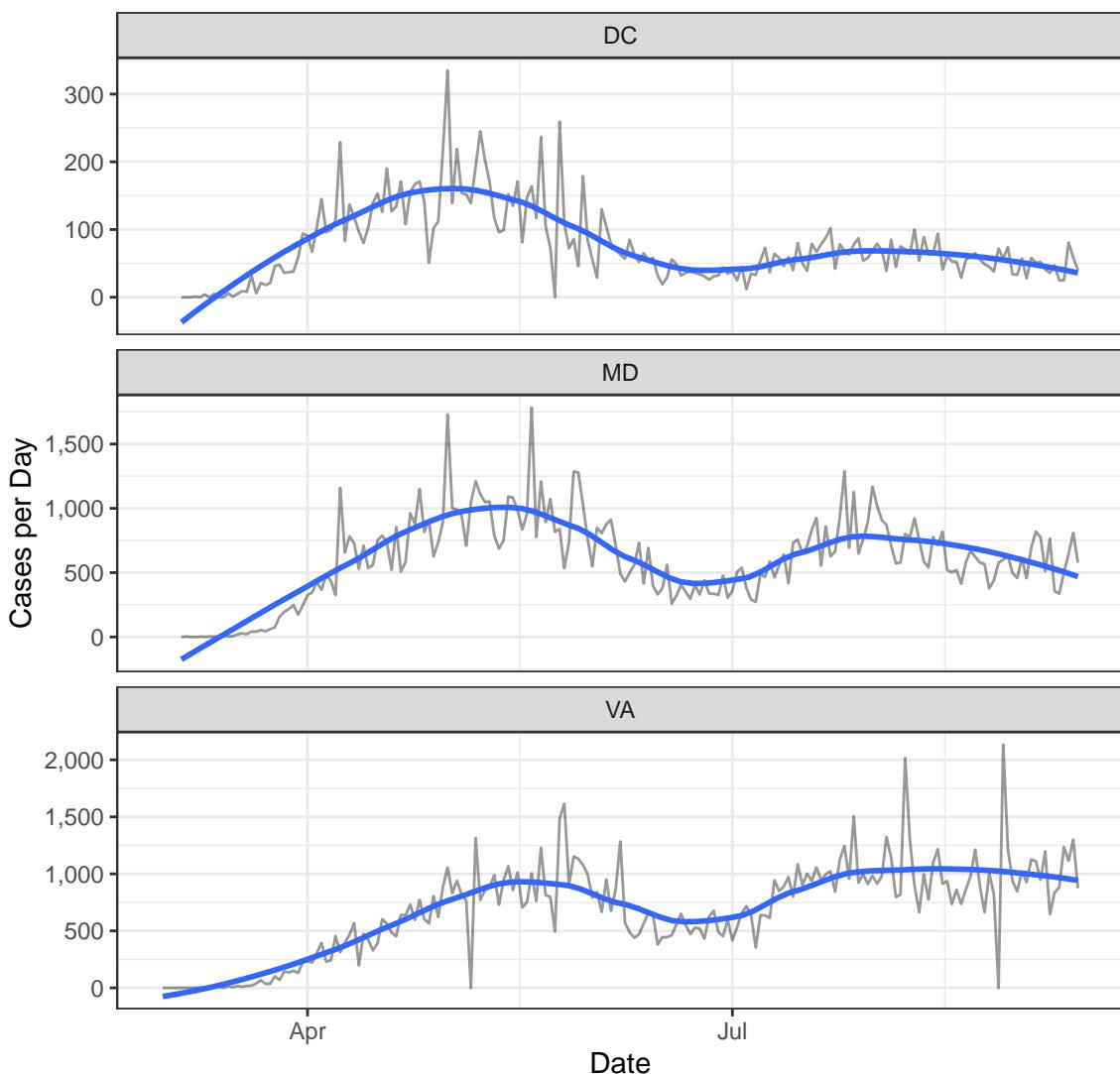




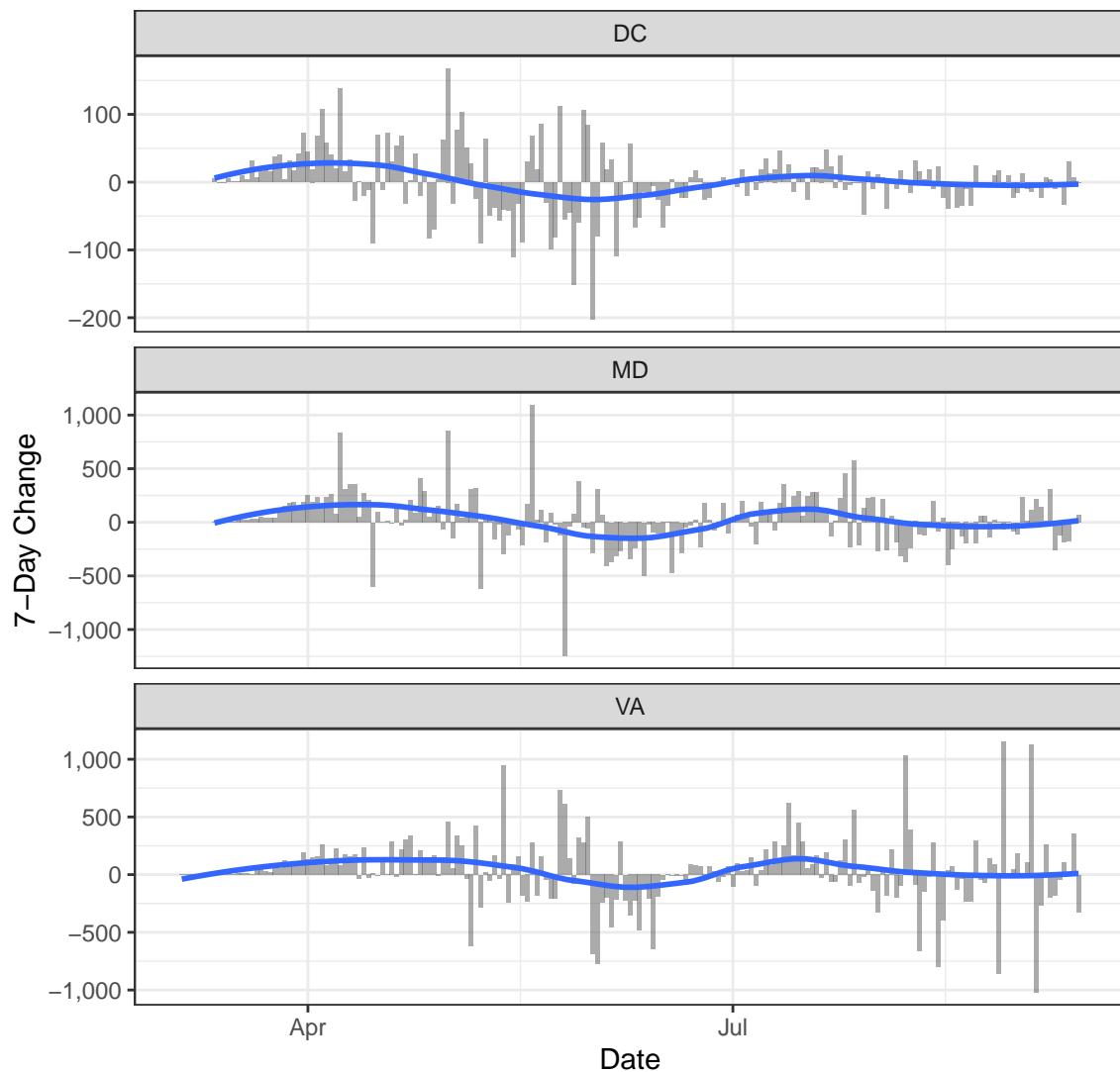
Cases

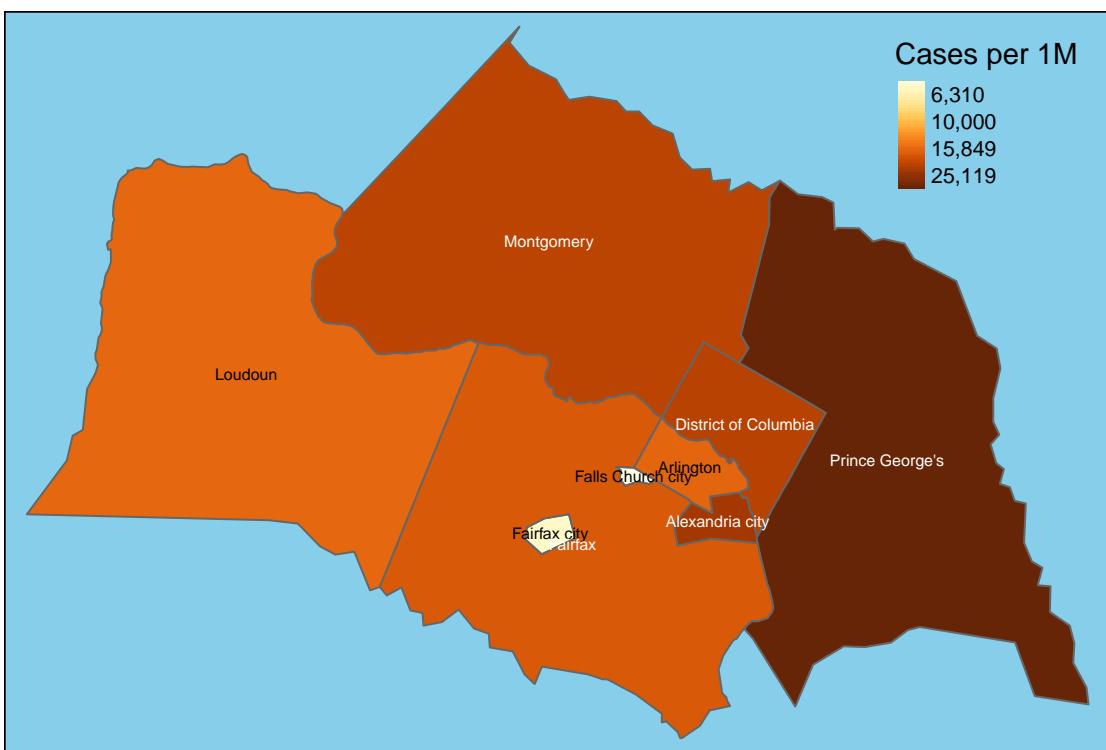
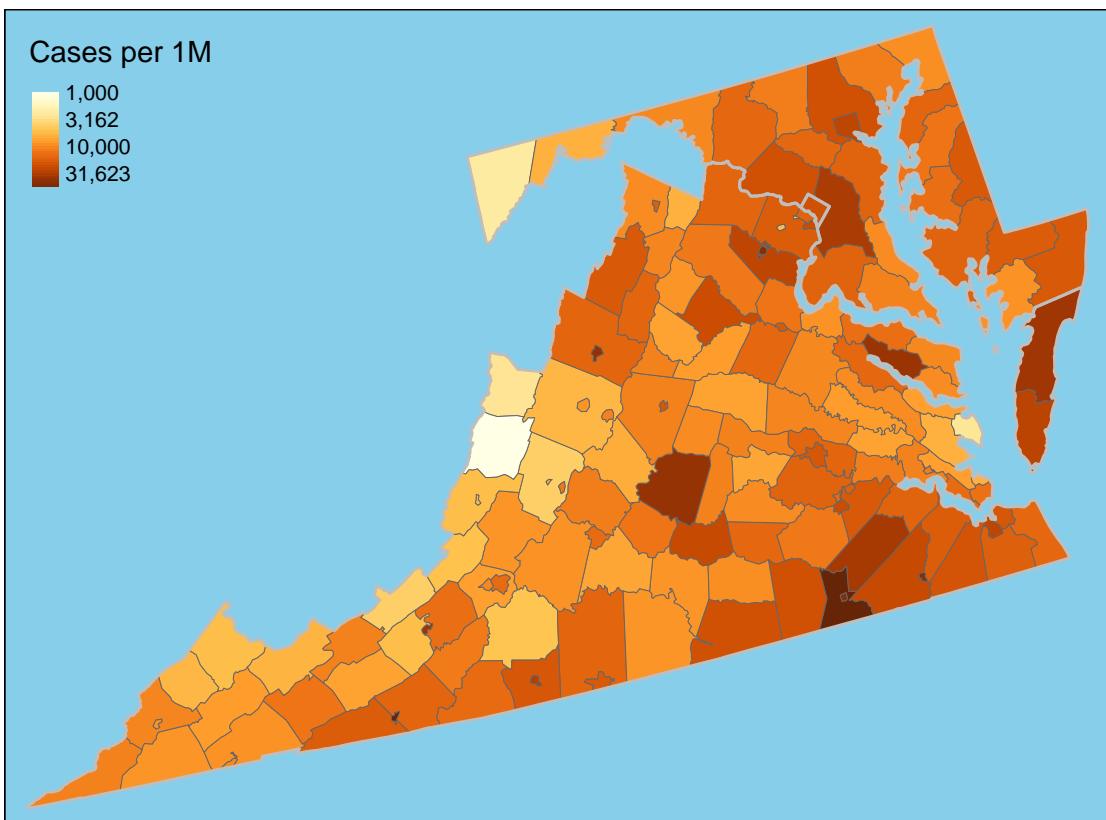


New Cases

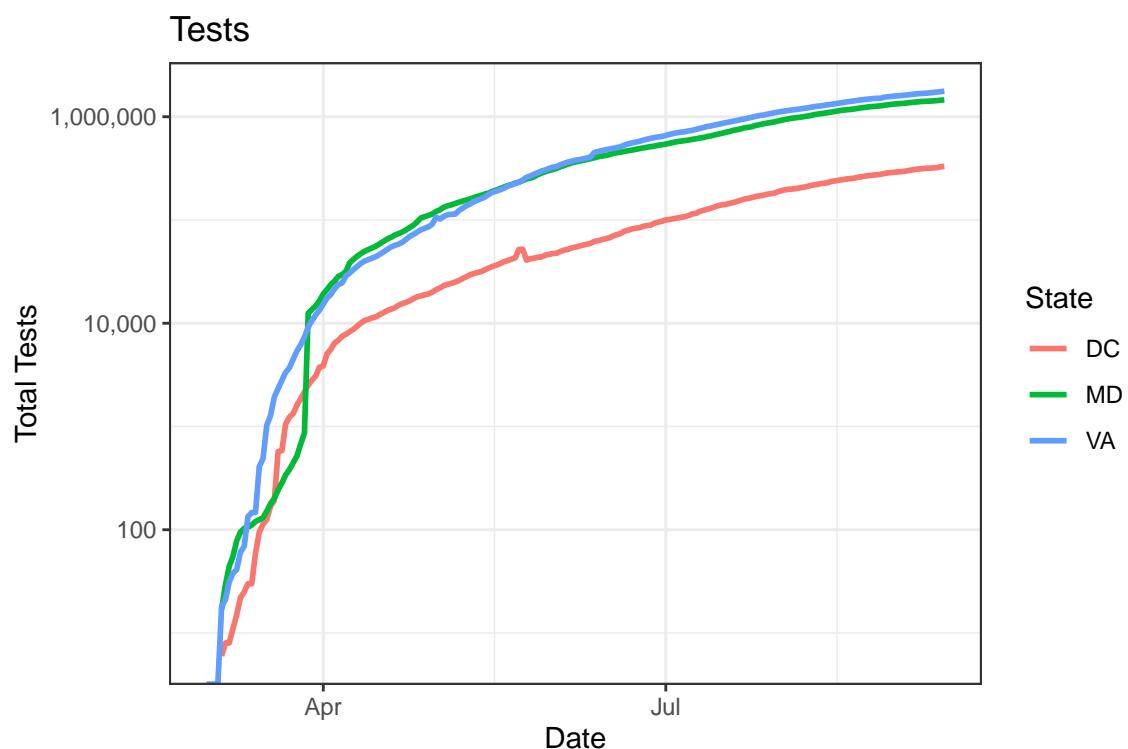


One-Week Change in Daily Cases

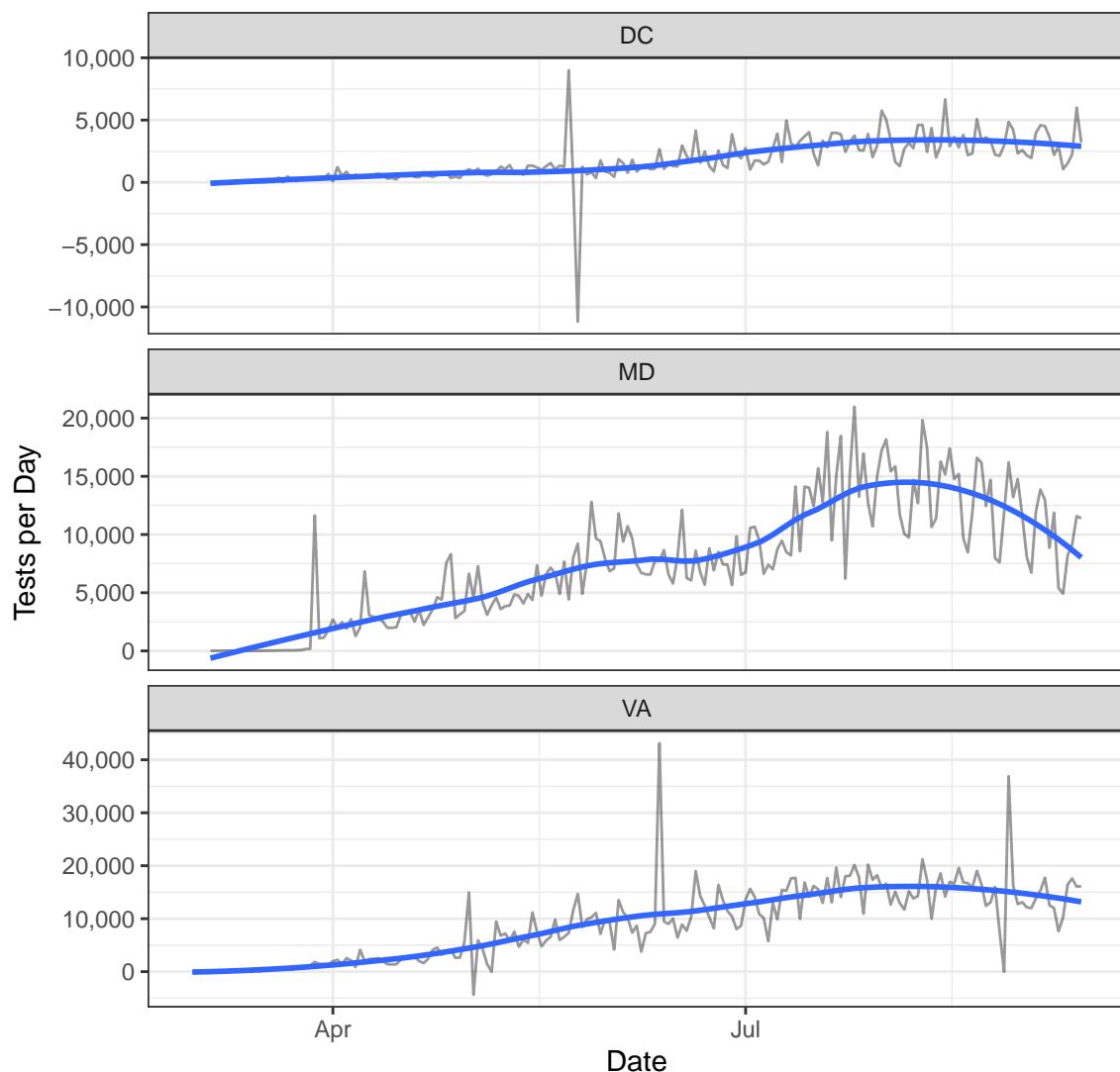




Testing



New Tests



Positive Test Rate

