

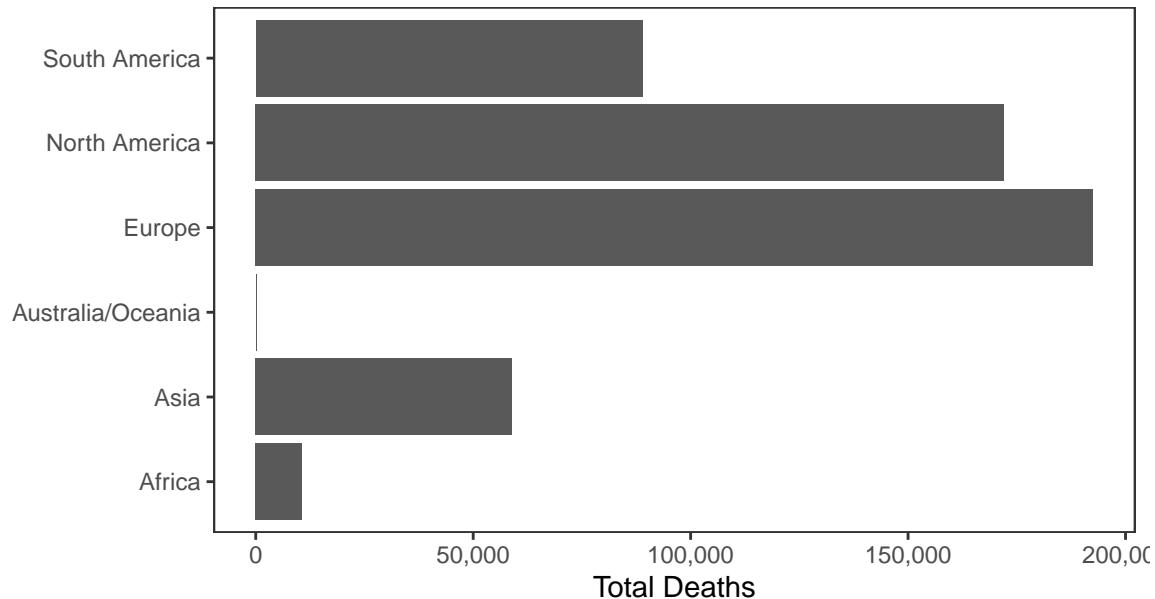
Erik's Covid-19 Chart Pack

Data updated 2020-07-03 19:17:33. 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 10,972,916 confirmed Covid-19 cases and 523,242 deaths worldwide.

Deaths



Cases

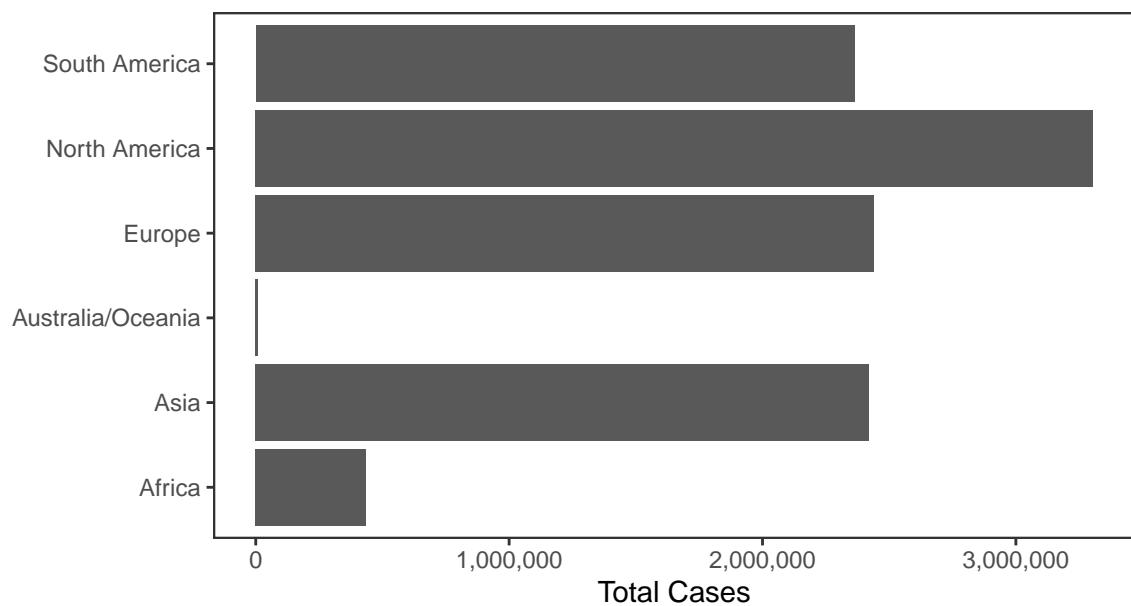
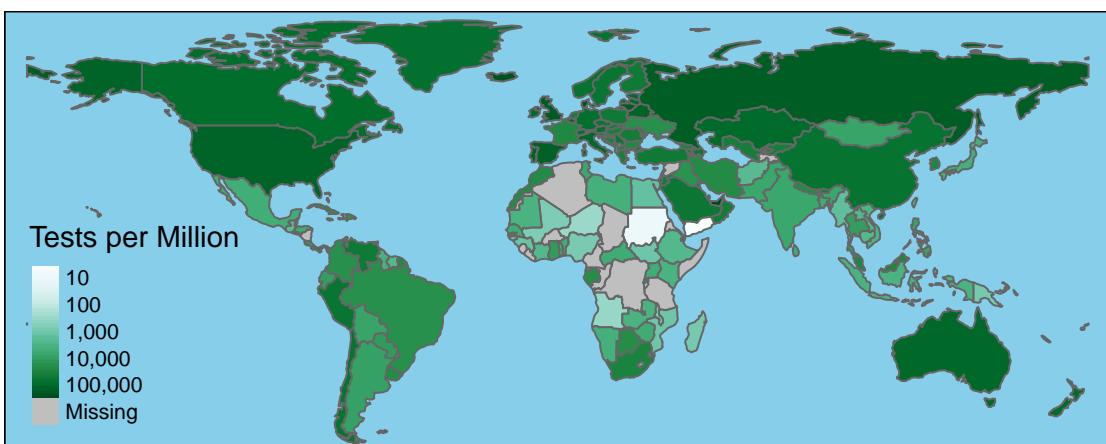
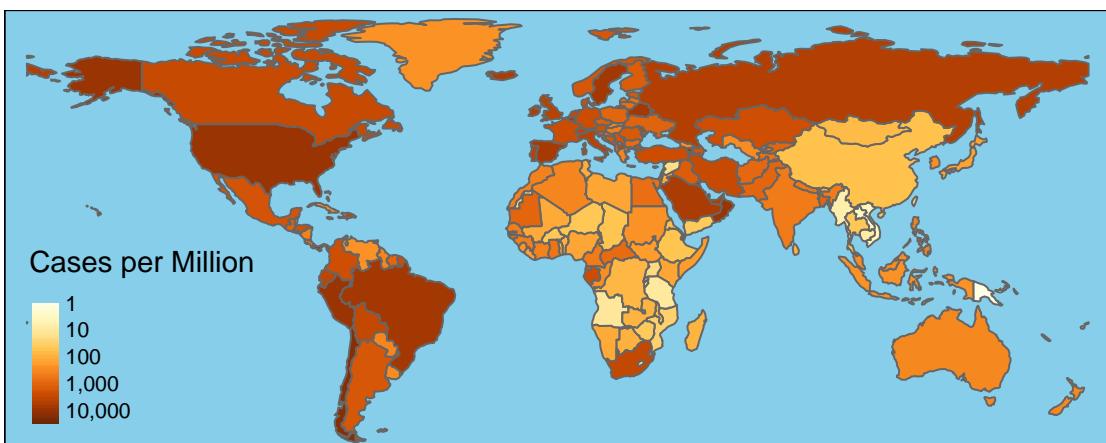
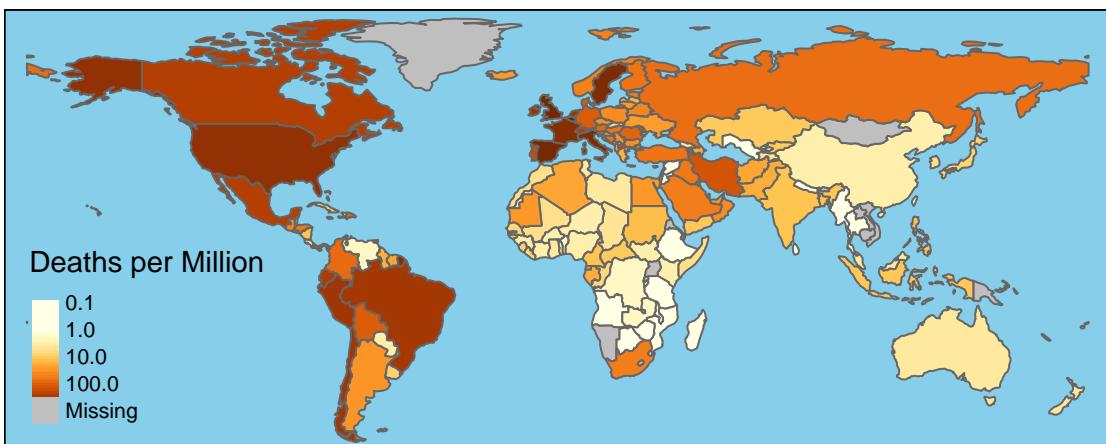


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	2,835,684	131,485	57,232	687
Brazil	1,501,353	61,990	47,984	1,277
Russia	661,165	9,683	6,760	147
India	627,168	18,225	21,948	377
Spain	297,183	28,368	444	5
Peru	292,004	10,045	3,527	185
Chile	284,541	5,920	2,498	167
UK	283,757	43,995	576	89
Italy	240,961	34,818	201	30
Iran	232,863	11,106	2,652	148
Mexico	231,770	28,510	5,681	741
Pakistan	217,809	4,473	4,339	78
Turkey	202,284	5,167	1,186	17
Saudi Arabia	197,608	1,752	3,383	54
Germany	196,717	9,064	393	3
South Africa	168,061	2,844	8,728	95
France	166,378	29,875	659	14
Bangladesh	153,277	1,926	4,019	38
Colombia	106,110	3,641	4,101	171
Canada	104,772	8,642	501	27



National Data

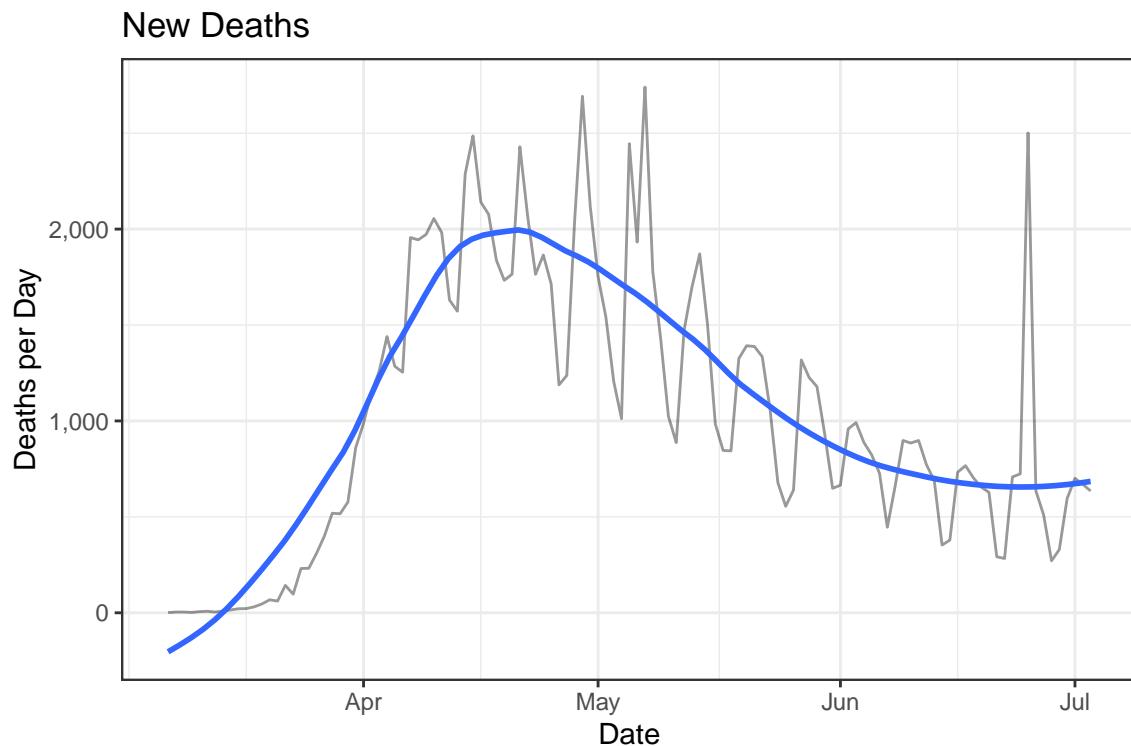
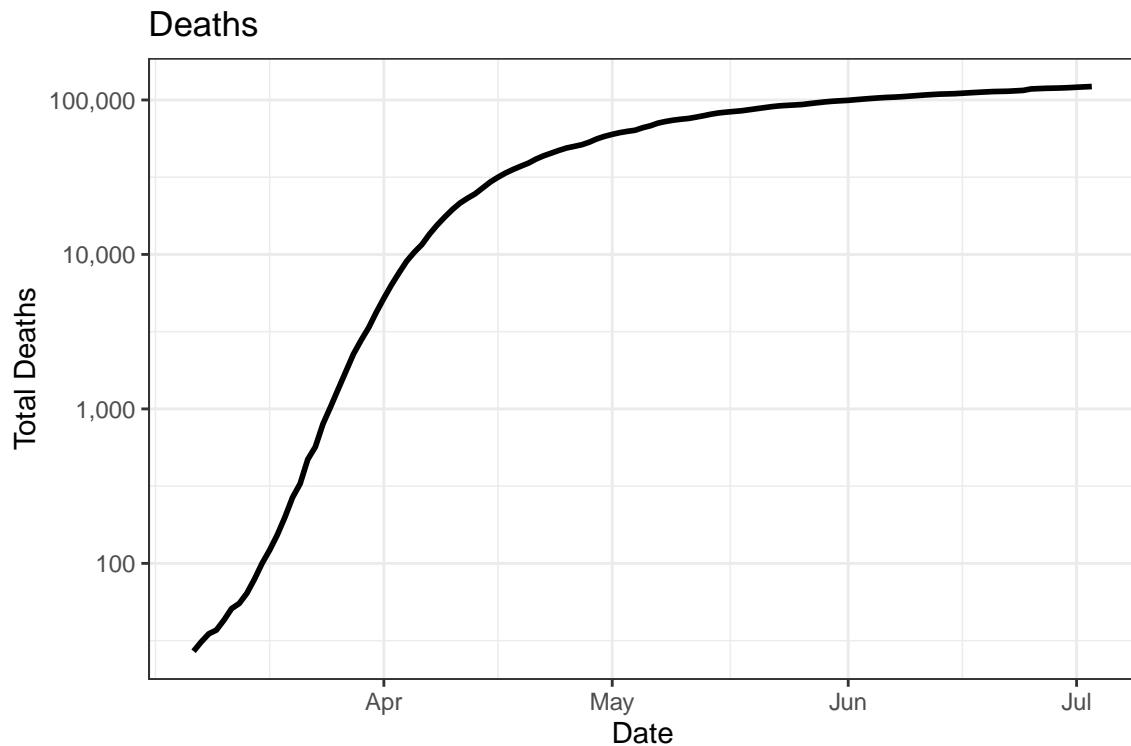
There have been 2,786,059 confirmed Covid-19 cases and 122,158 deaths in the United States.

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

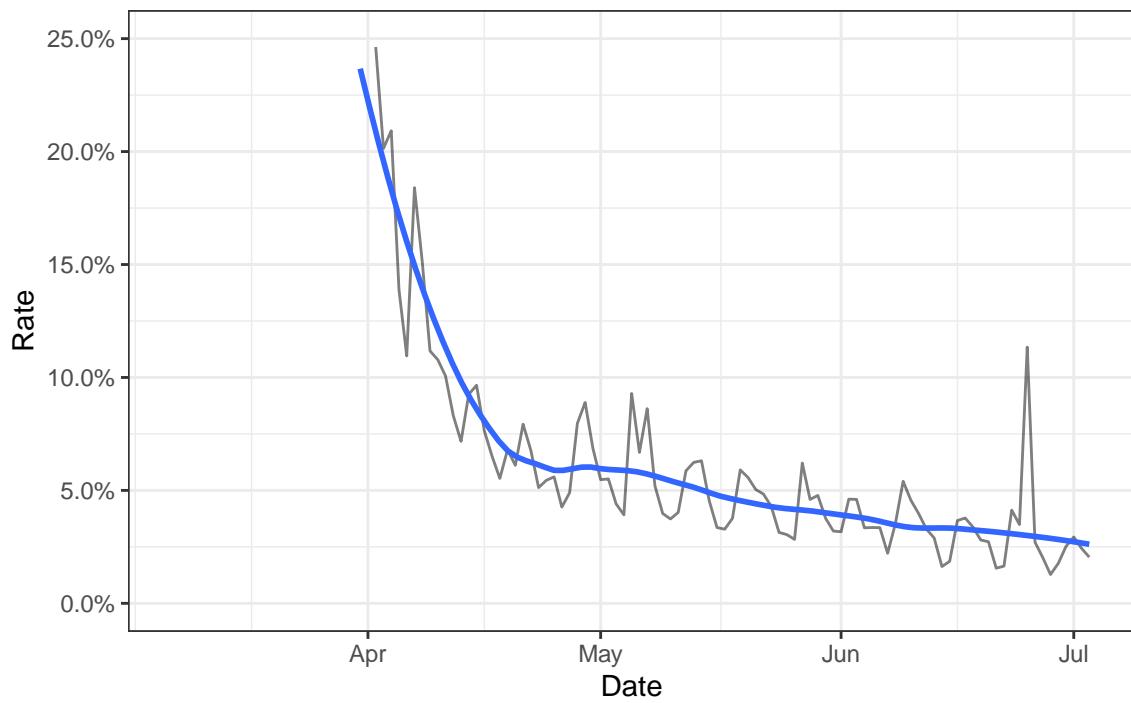
Date	Cases	Deaths	New Cases	New Deaths
2020-07-03	2,786,059	122,158	57,562	635
2020-07-02	2,728,497	121,523	53,684	670
2020-07-01	2,674,813	120,853	52,982	701
2020-06-30	2,621,831	120,152	44,358	596
2020-06-29	2,577,473	119,556	36,490	330
2020-06-28	2,540,983	119,226	42,161	271
2020-06-27	2,498,822	118,955	43,471	509
2020-06-26	2,455,351	118,446	44,373	636
2020-06-25	2,410,978	117,810	39,061	2,501
2020-06-24	2,371,917	115,309	38,706	724
2020-06-23	2,333,211	114,585	33,018	708
2020-06-22	2,300,193	113,877	27,080	283
2020-06-21	2,273,113	113,594	27,257	292
2020-06-20	2,245,856	113,302	31,958	628

Deaths

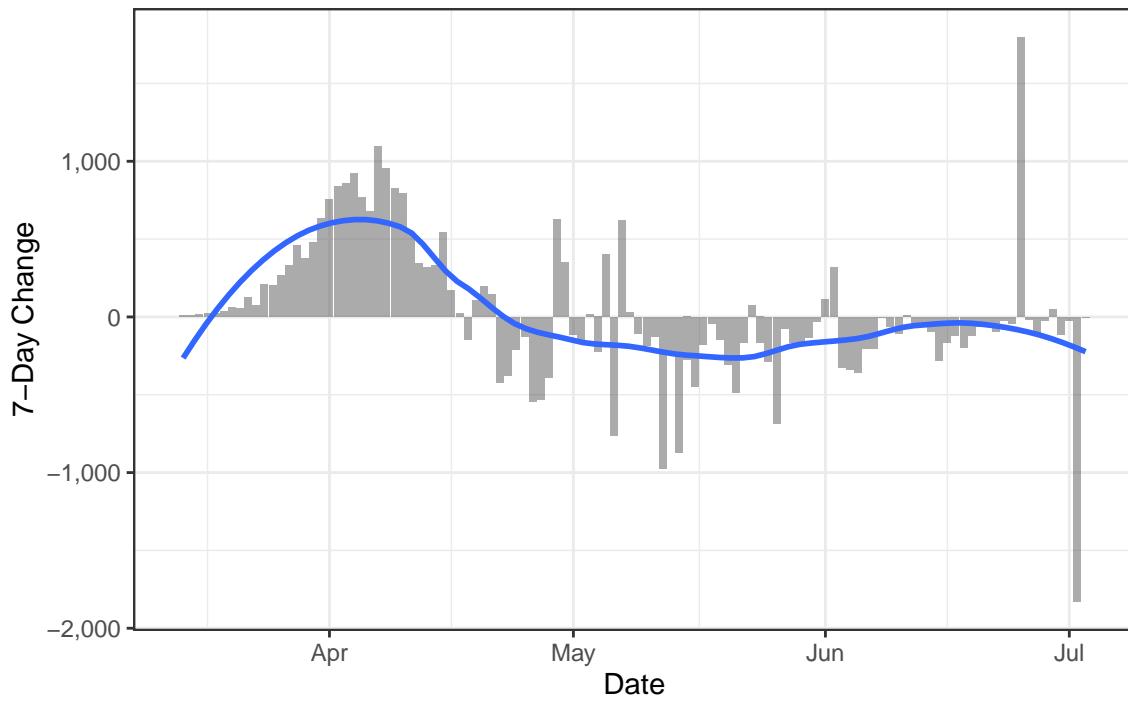
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

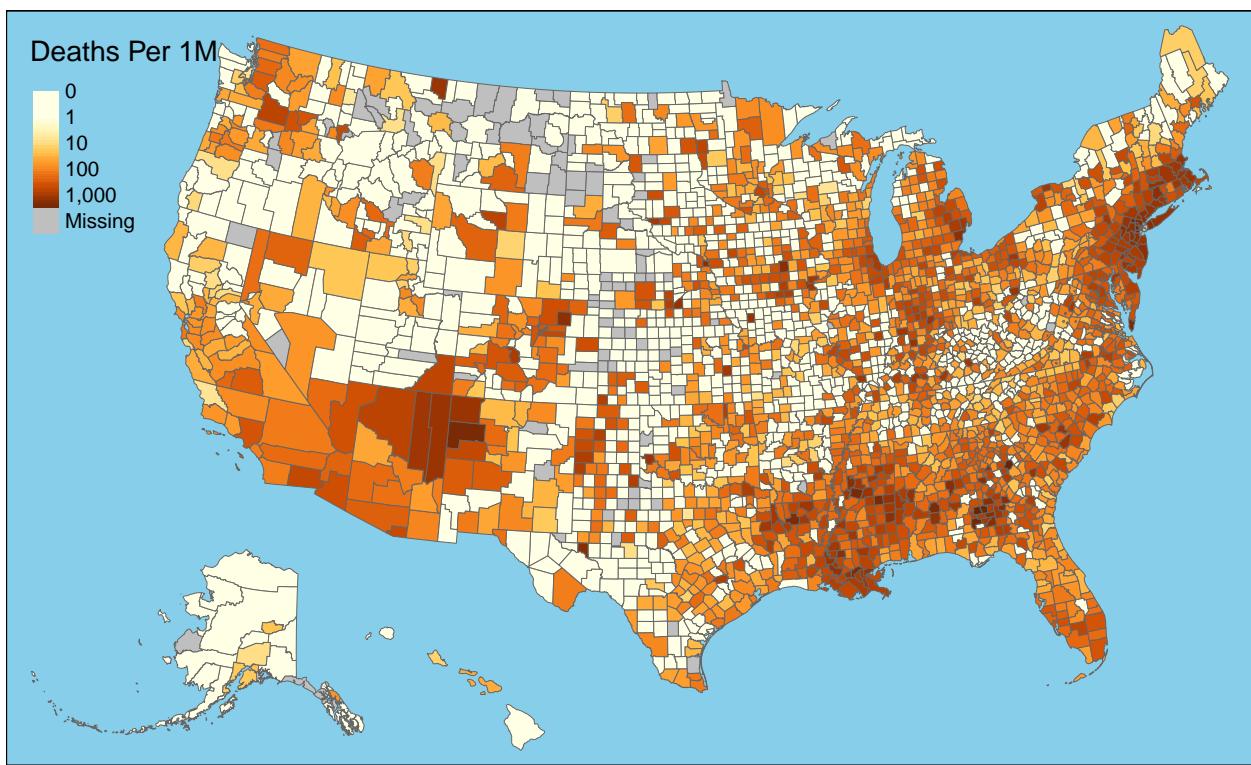


Daily Case Mortality Rate



One-Week Change in Daily Deaths

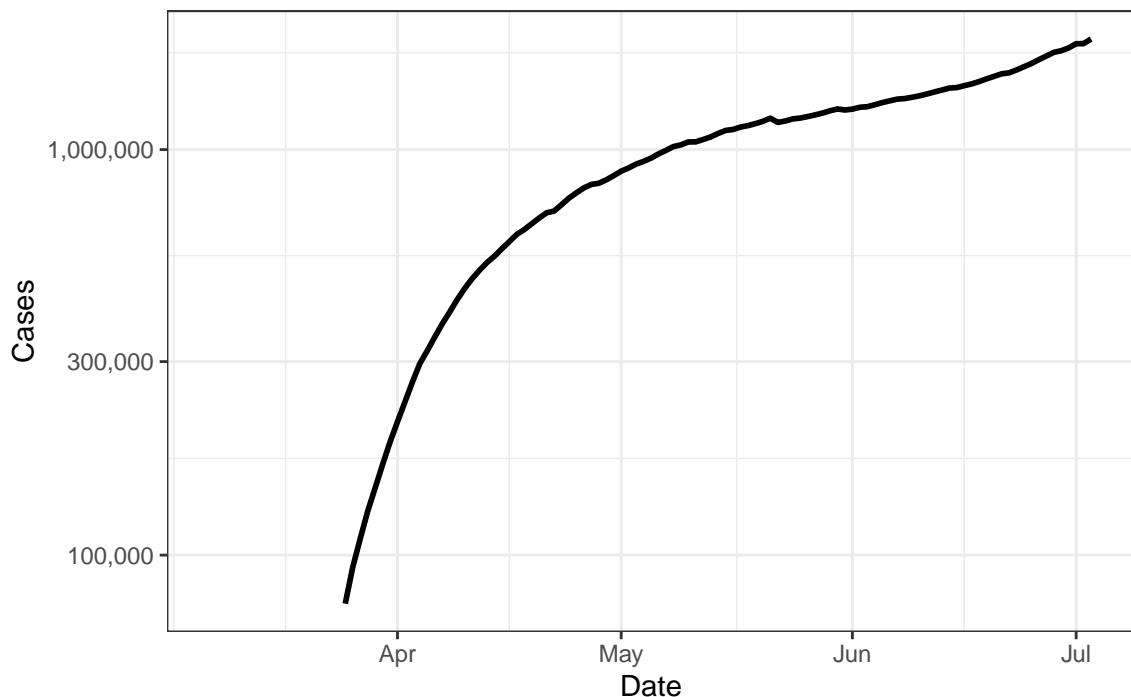




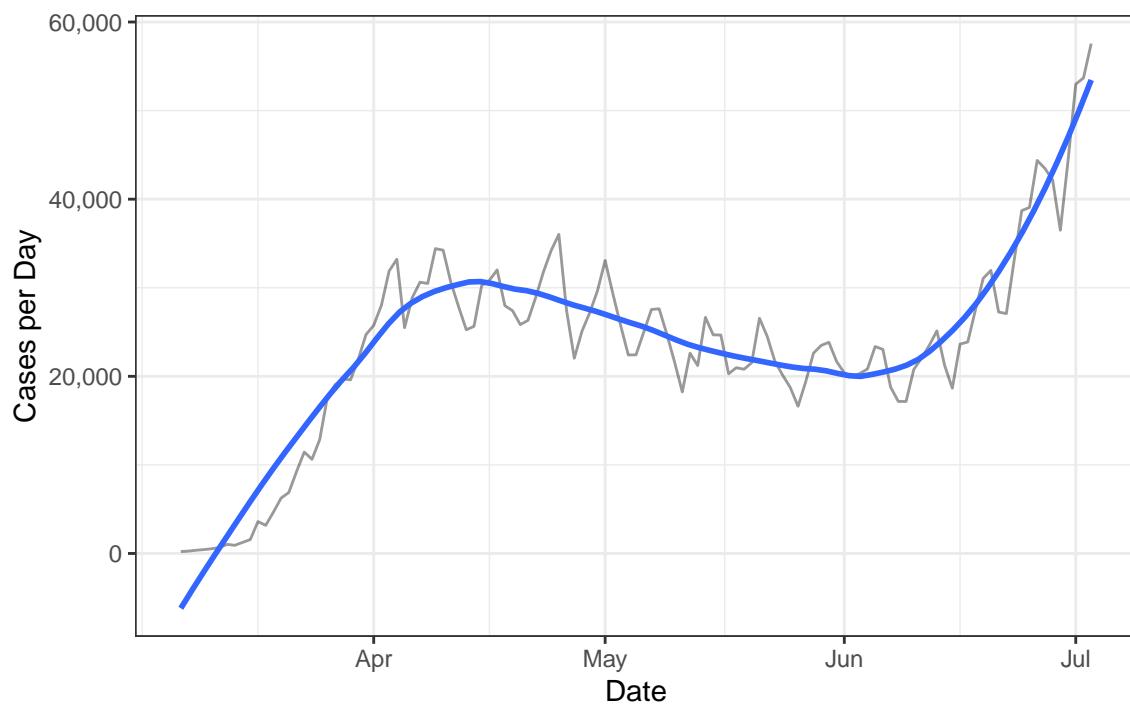
Cases

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

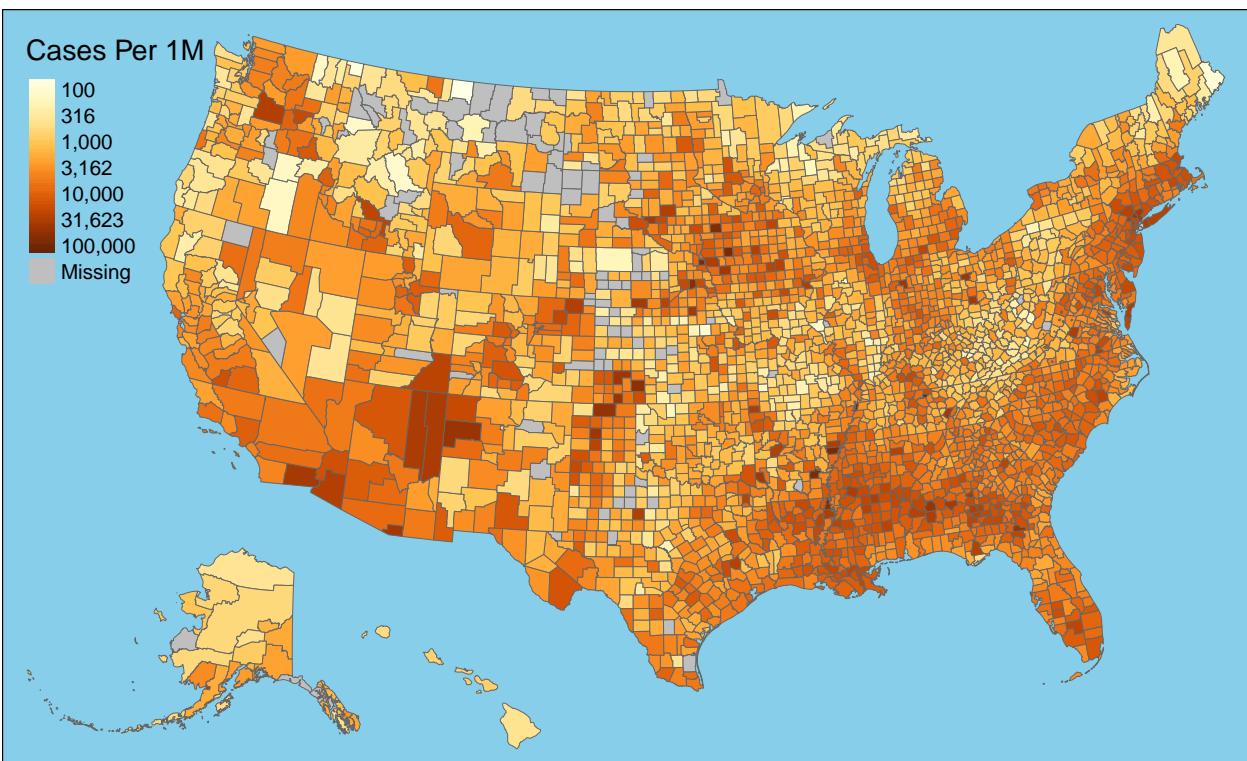
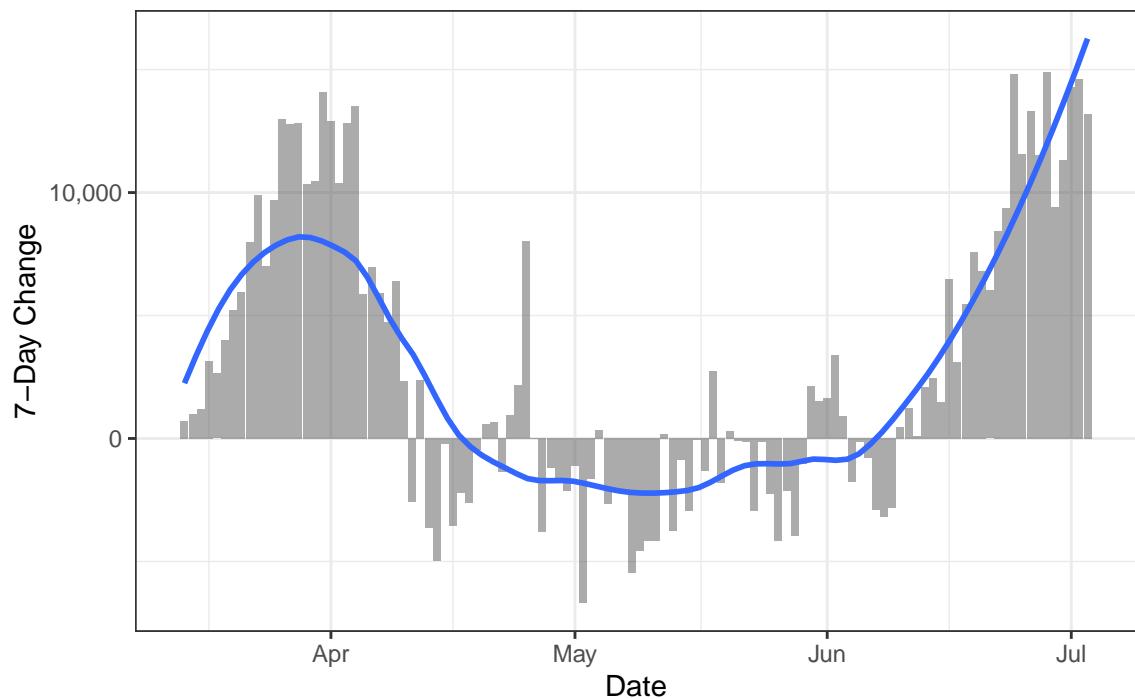
Active Cases



New Cases



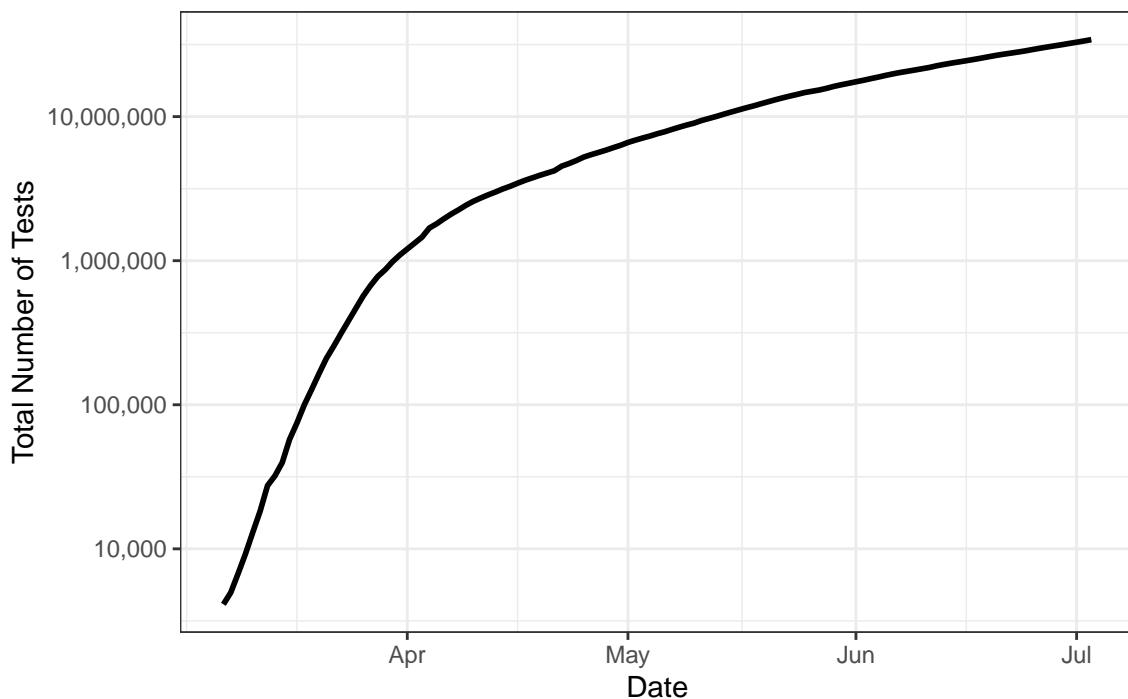
One-Week Change in Daily Cases



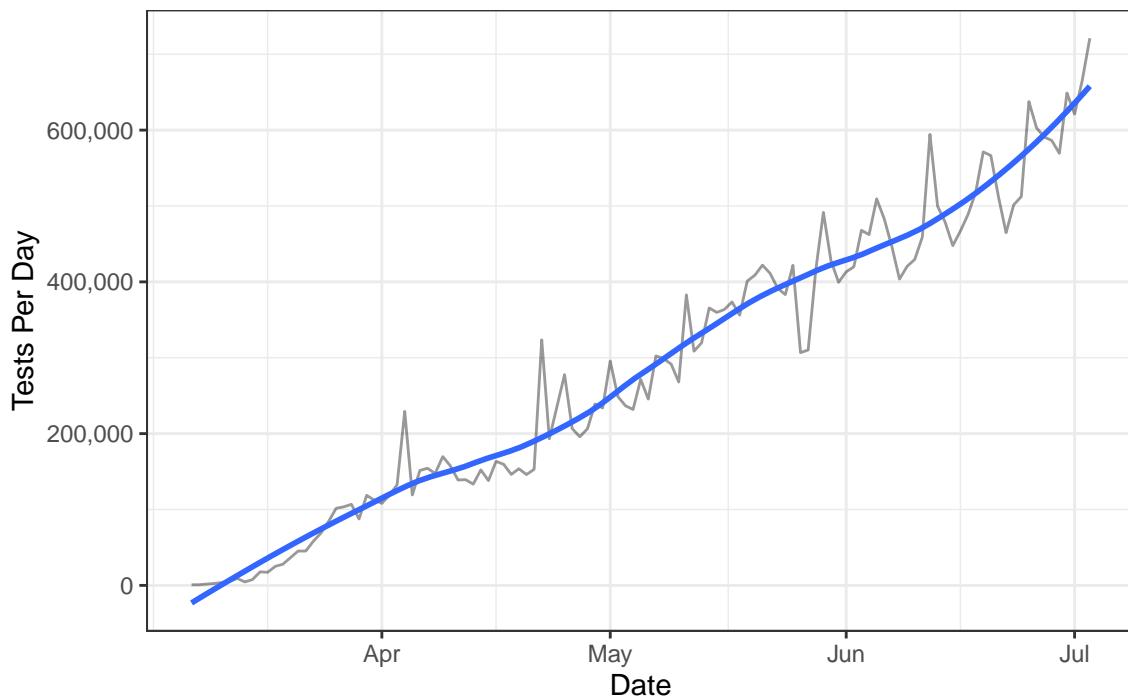
Testing

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.

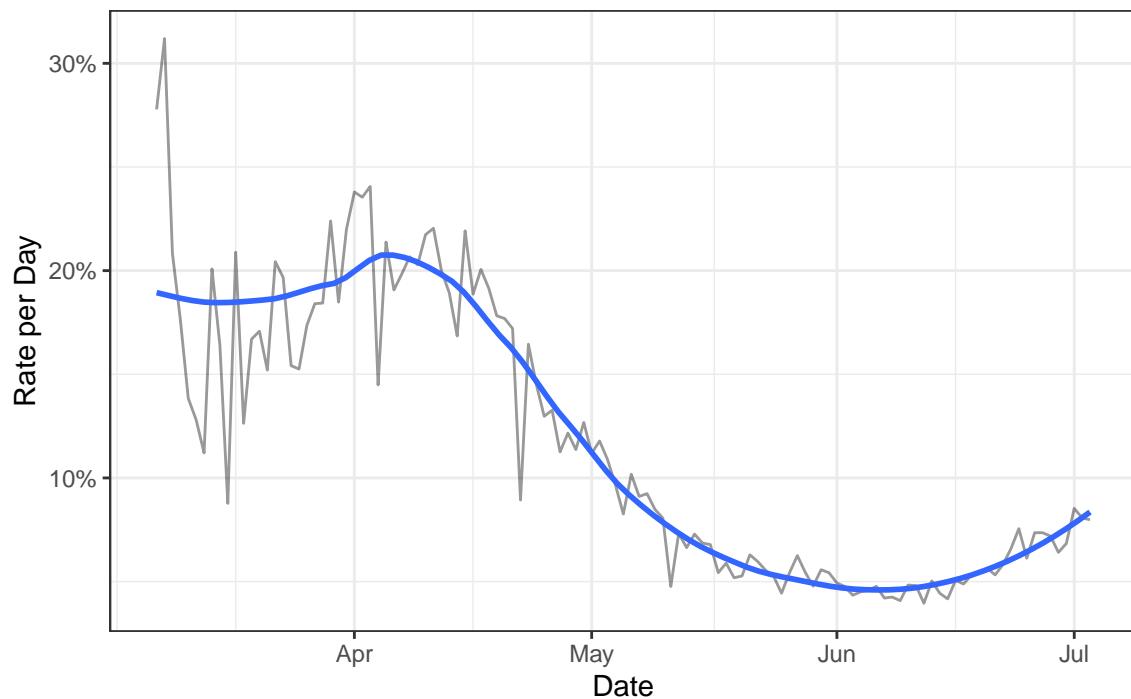
Tests



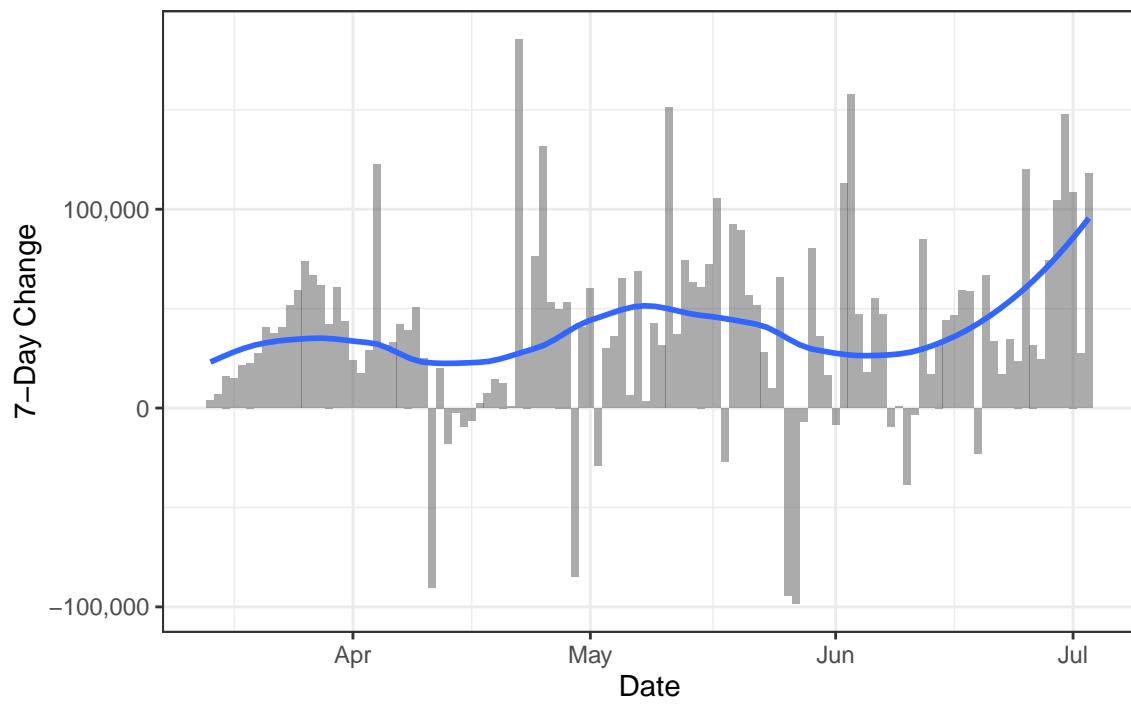
New Tests



Positive Test Rate



One-Week Change in Daily Tests

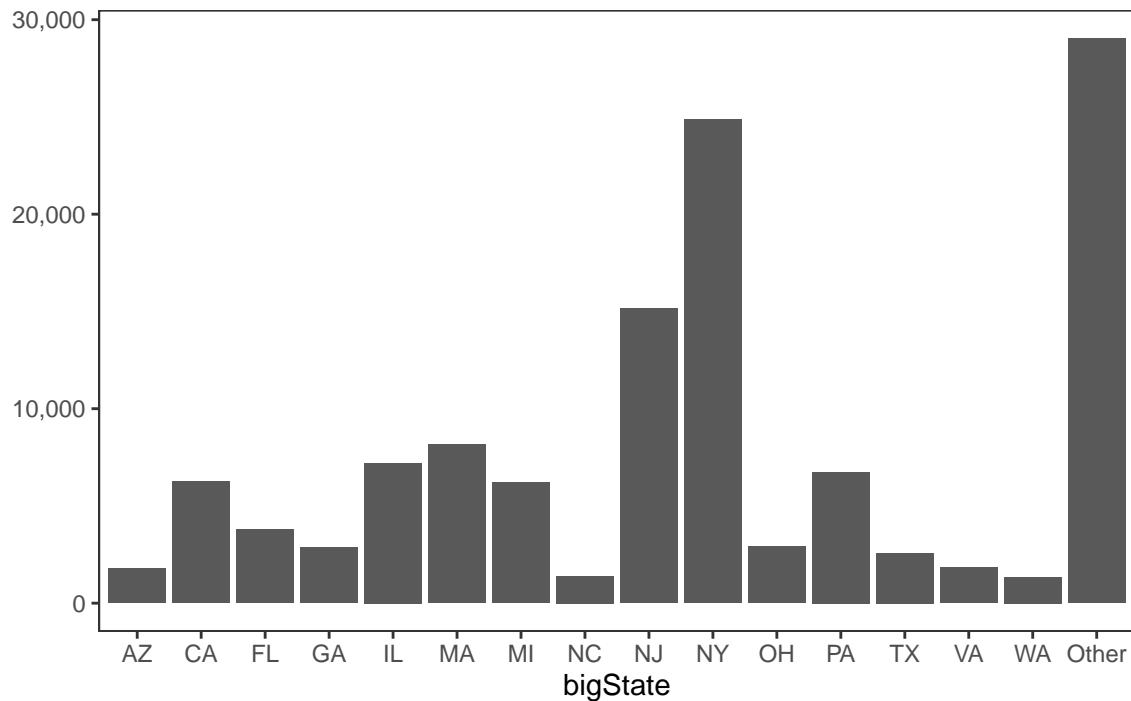


State Data

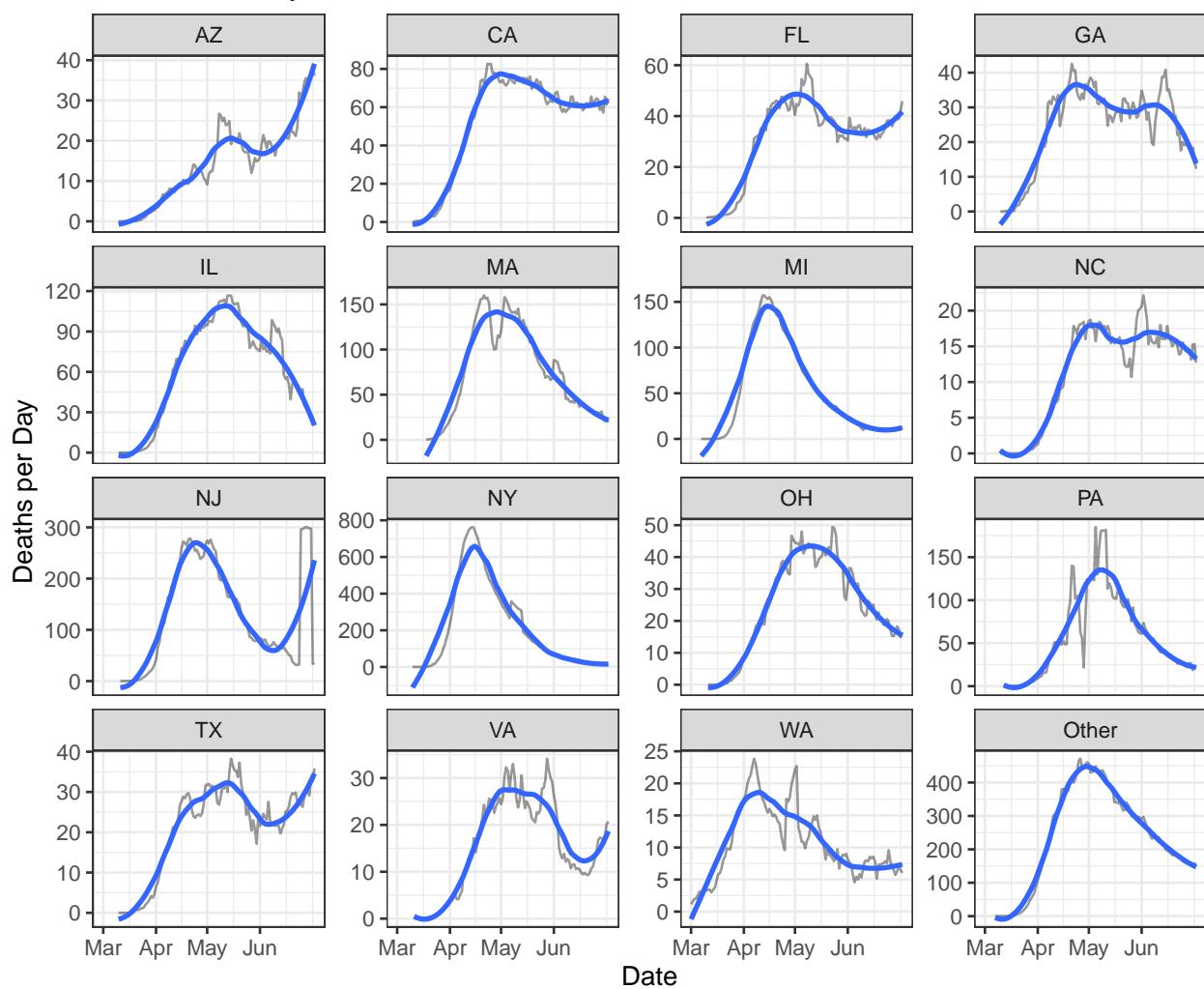
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

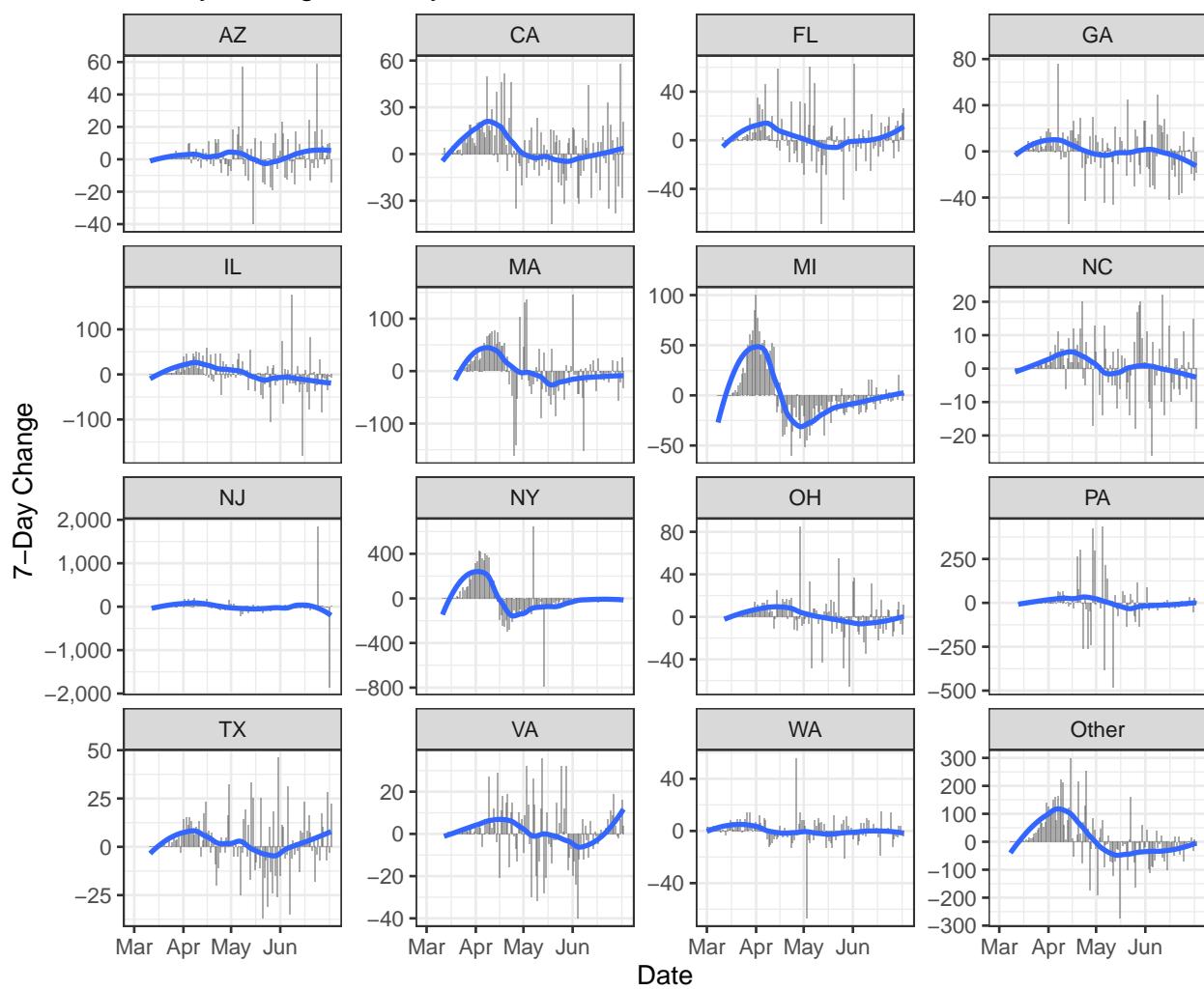
Deaths by State

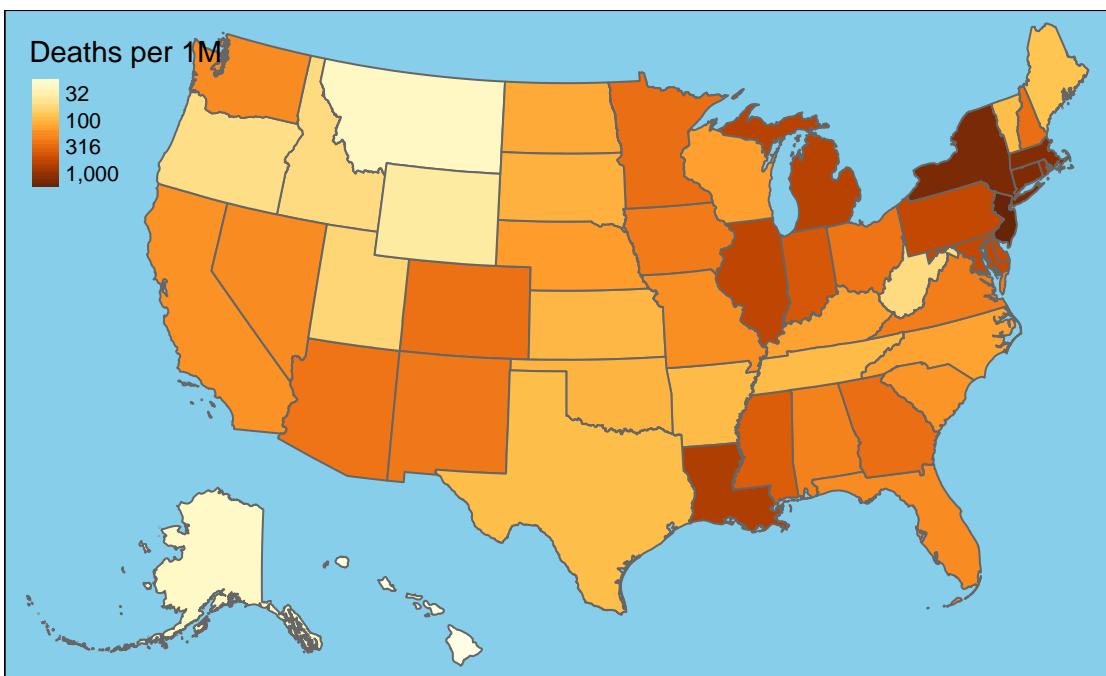
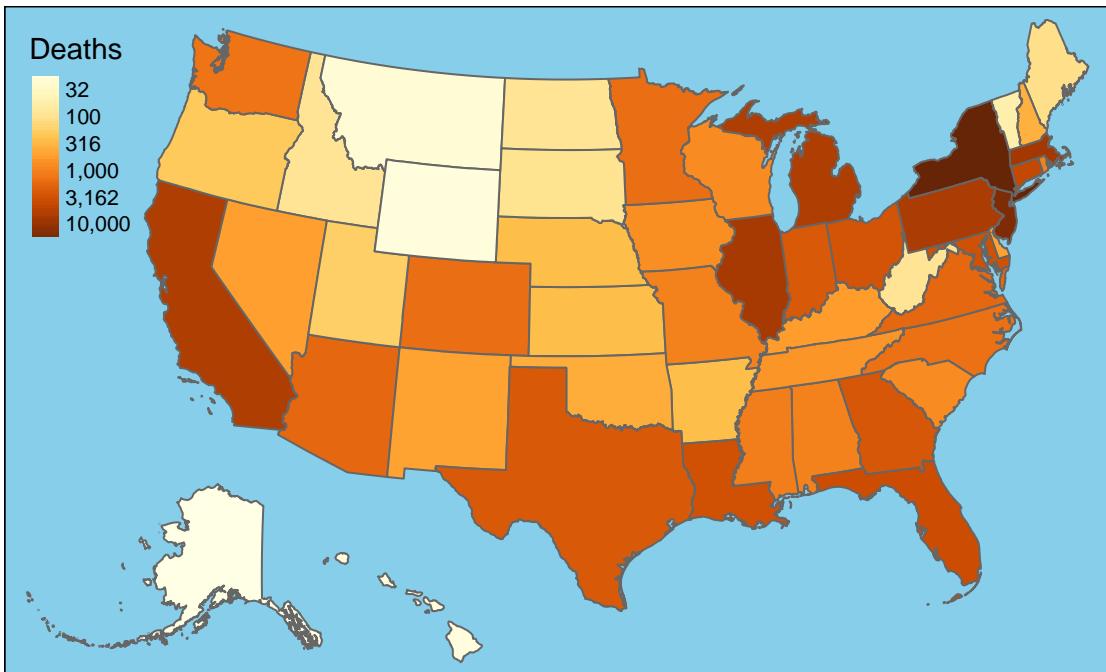


New Deaths by State



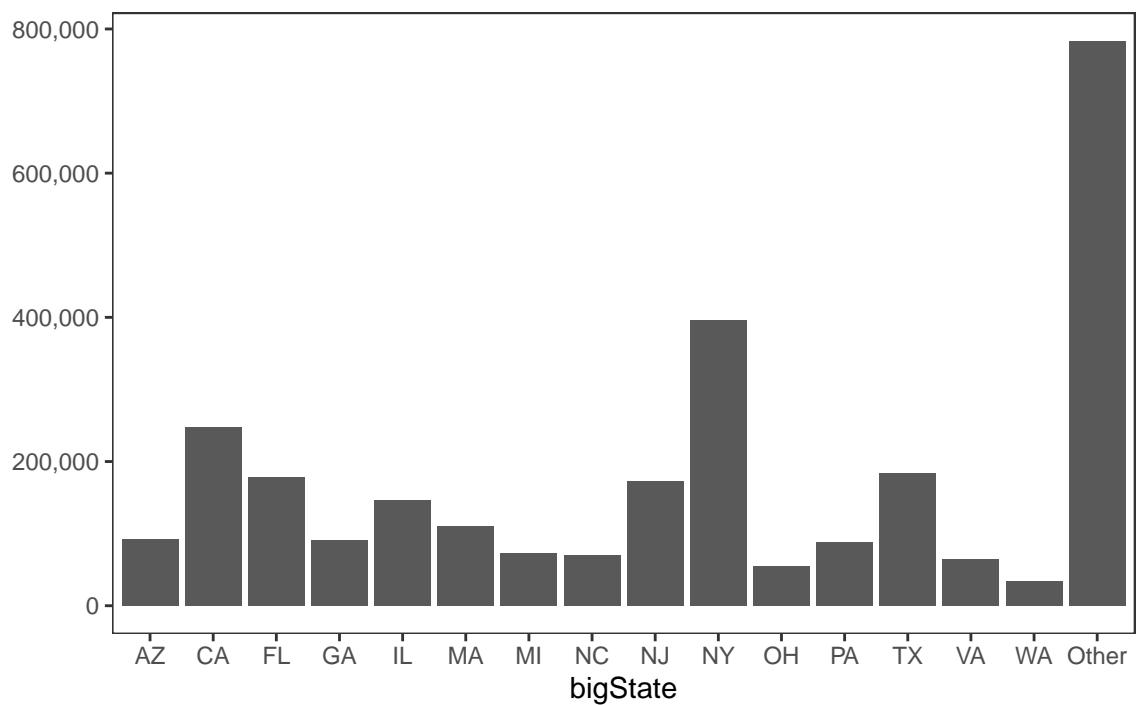
7-Day Change in Daily Deaths



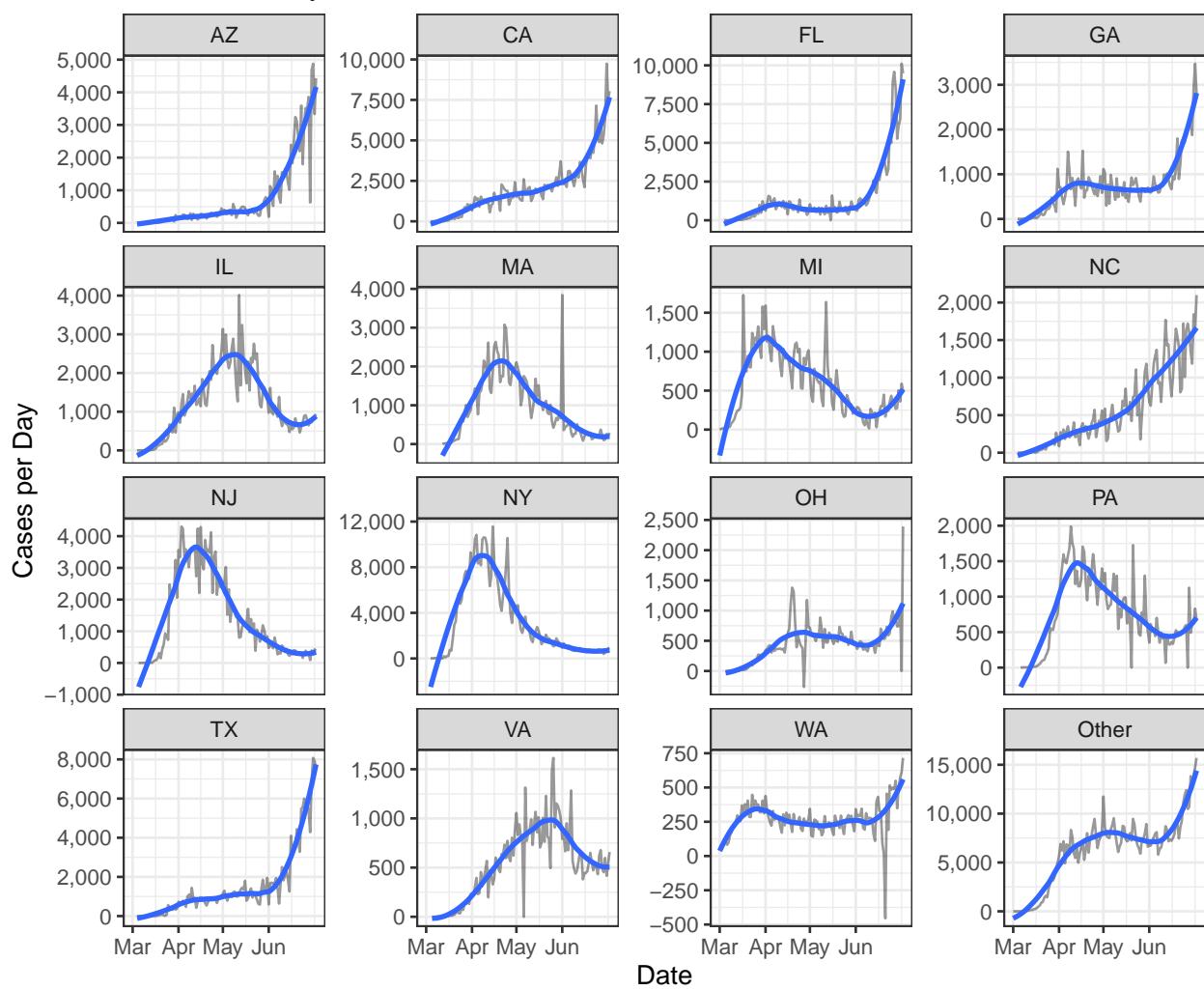


Cases

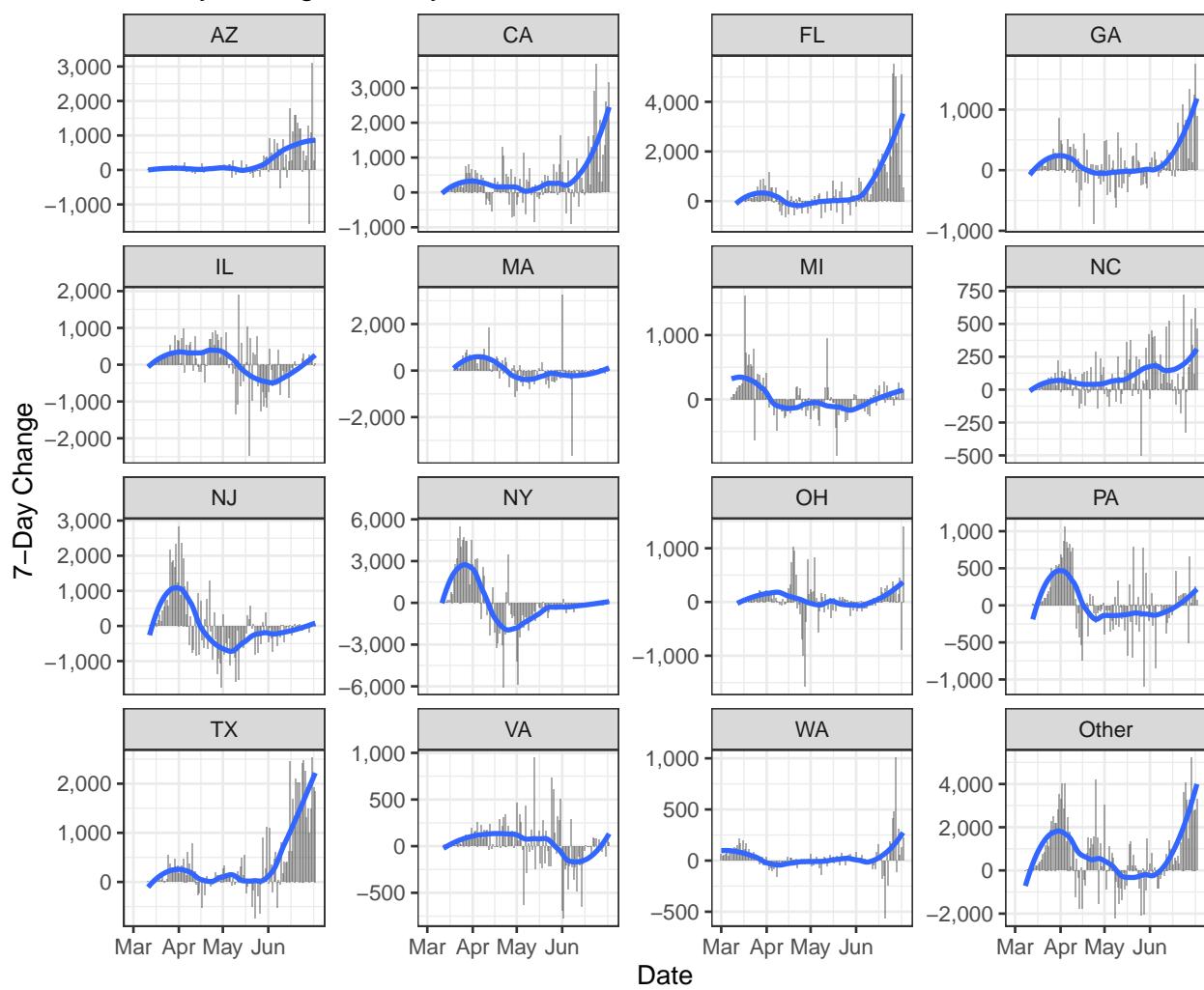
Cases by State

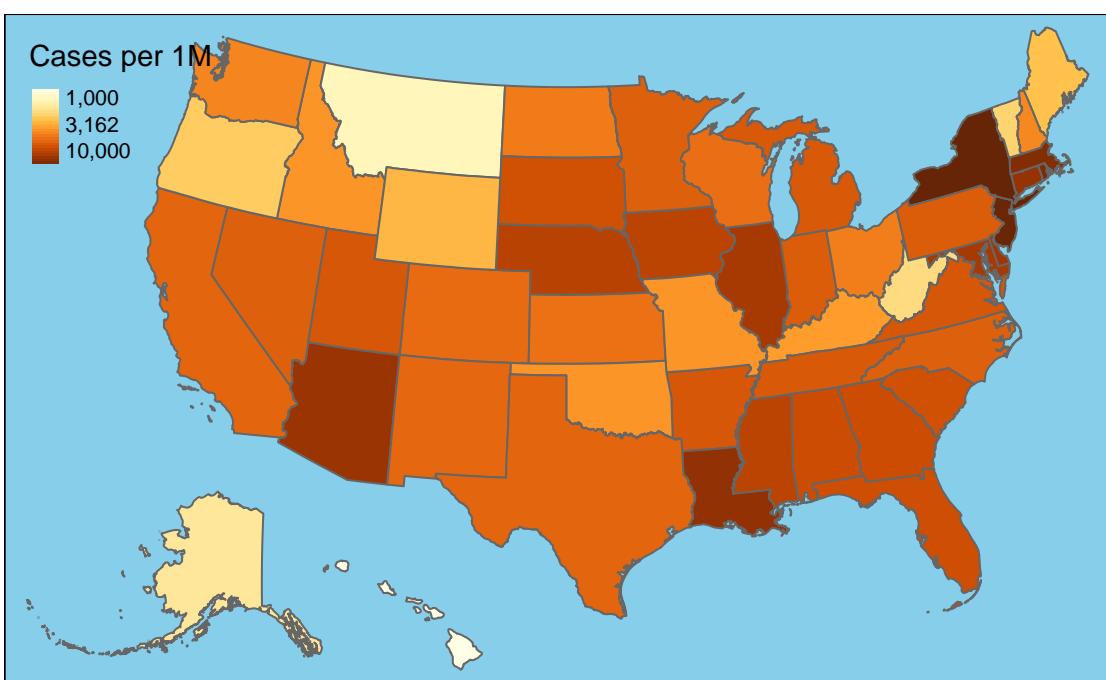
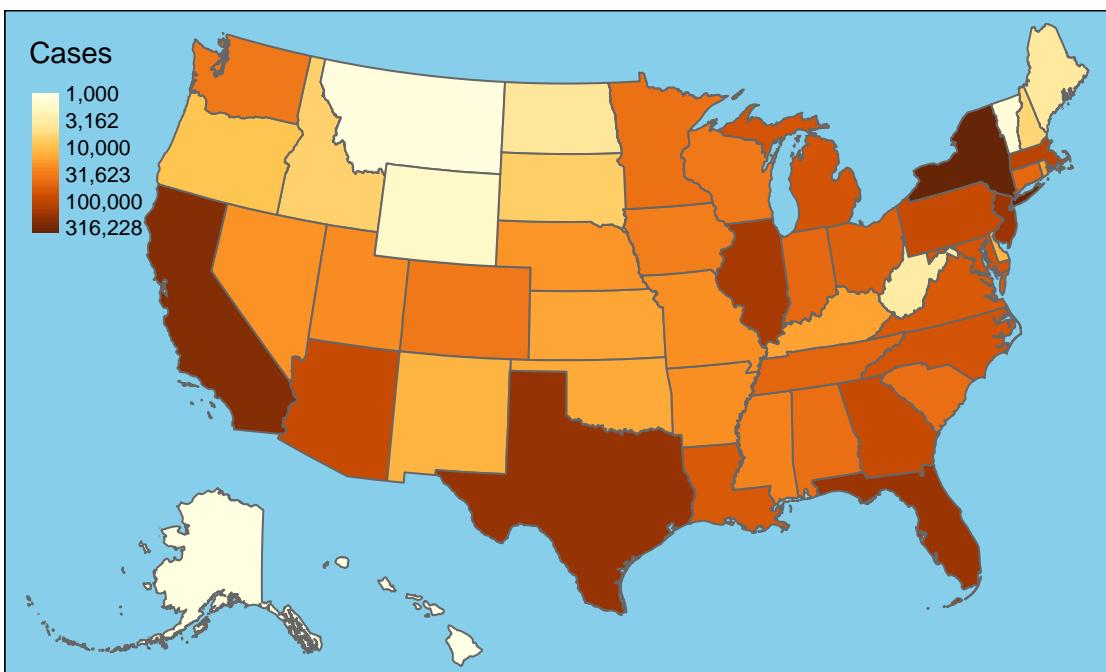


New Cases by State



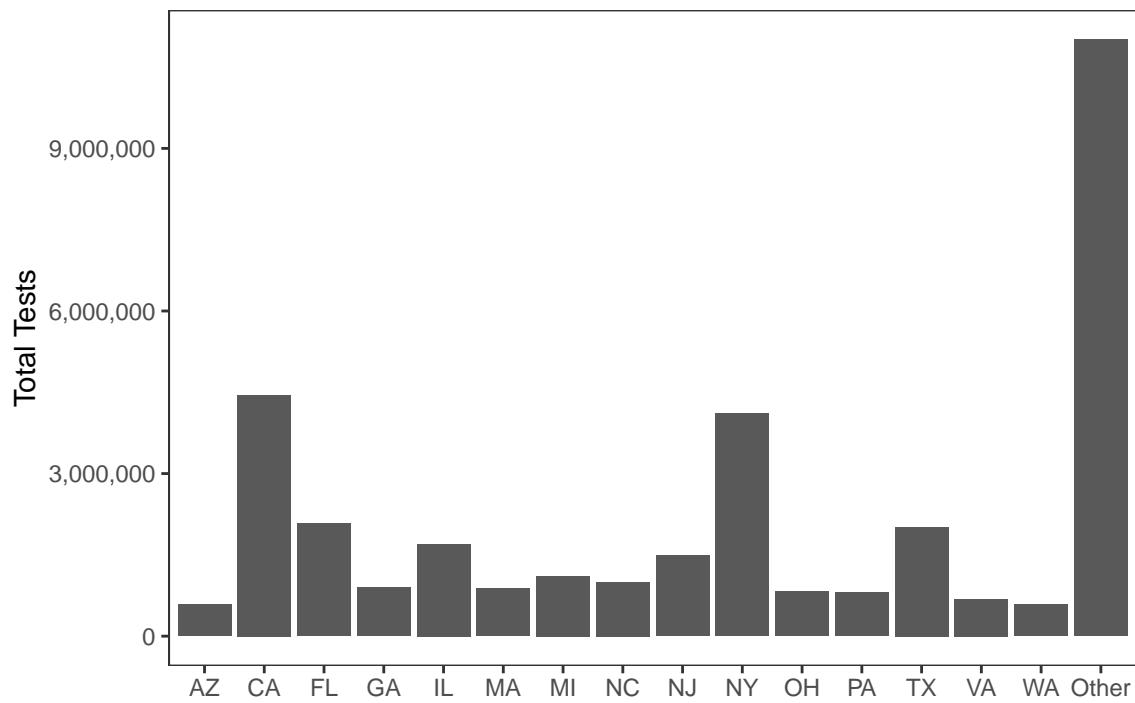
7-Day Change in Daily Cases



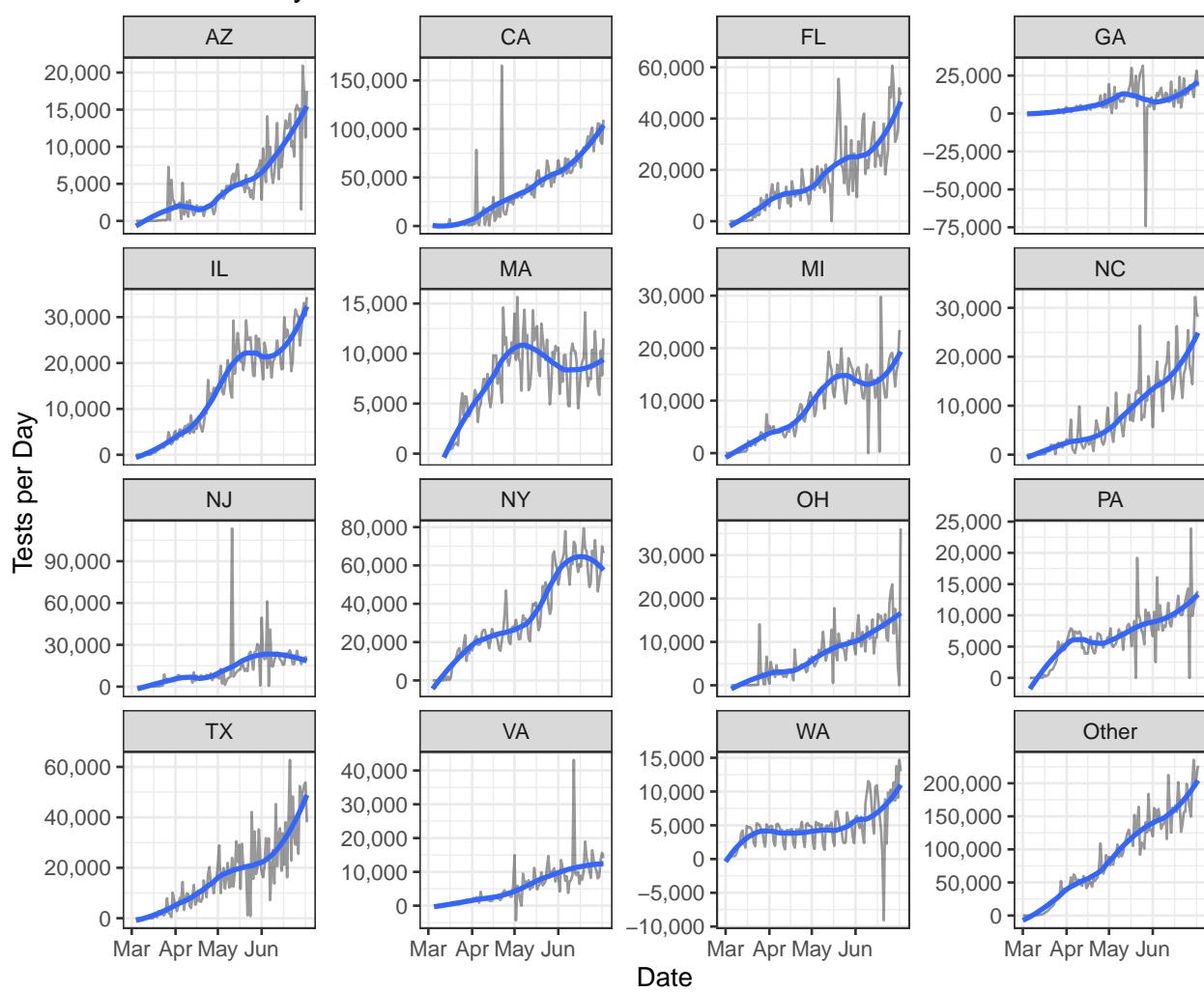


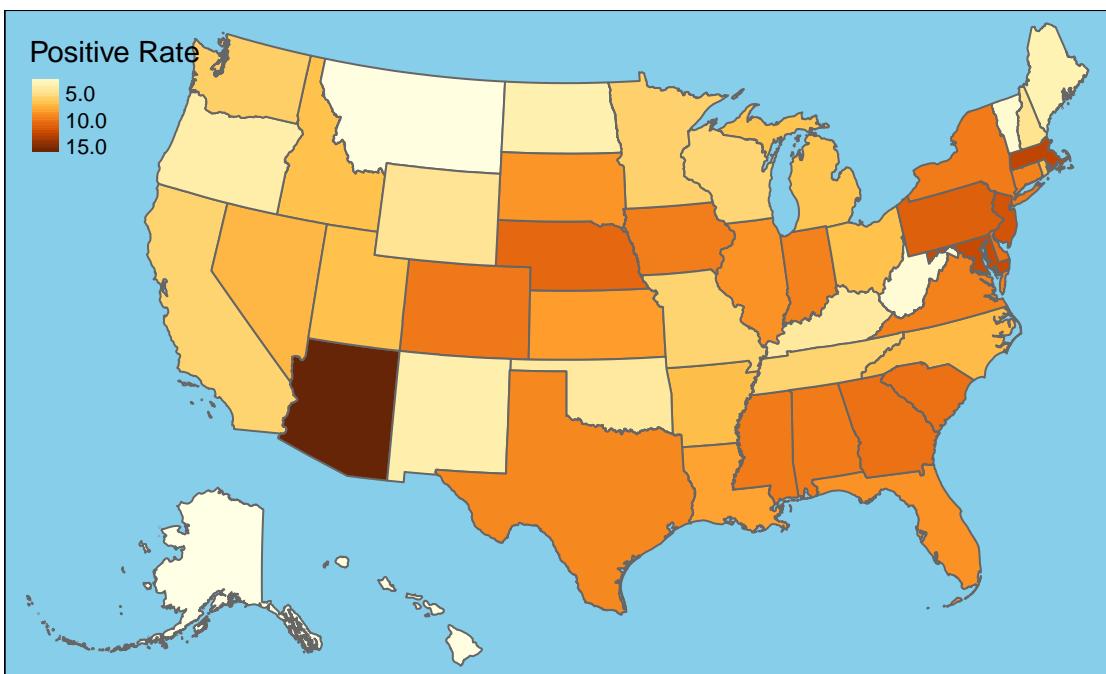
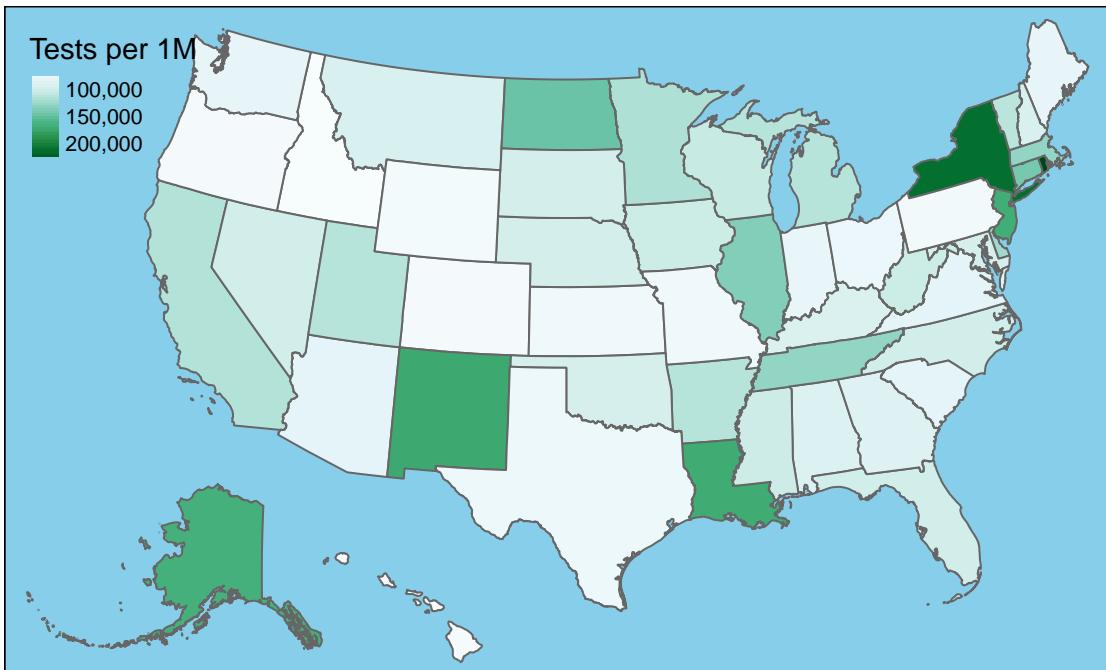
Testing

Tests by State



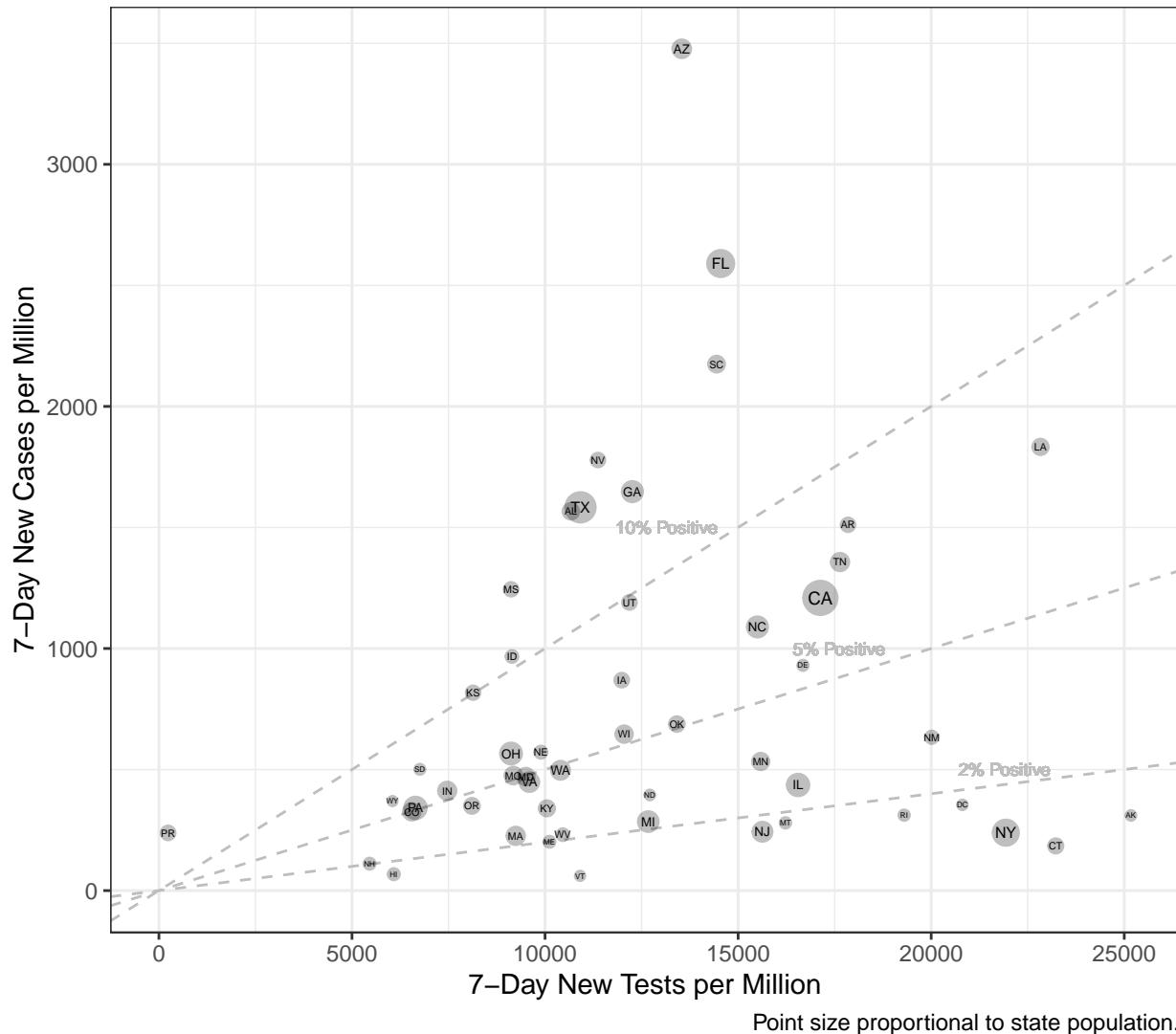
New Tests by State





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.

Tests vs. Cases by State



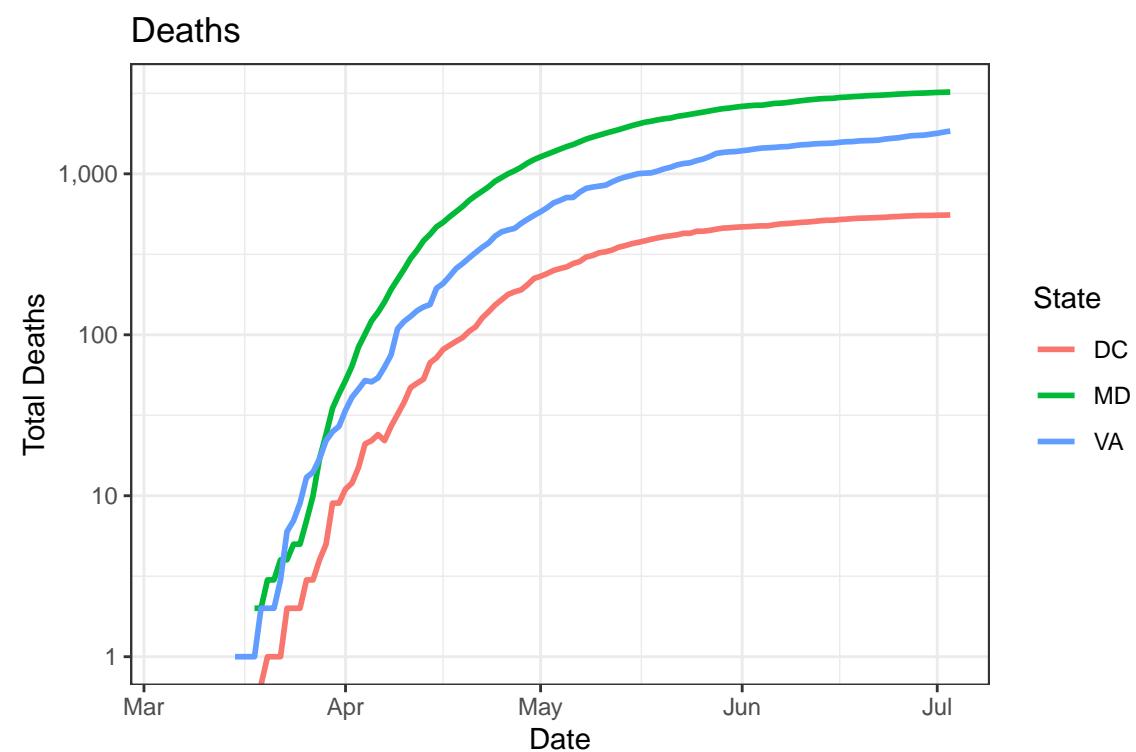
Local Data

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

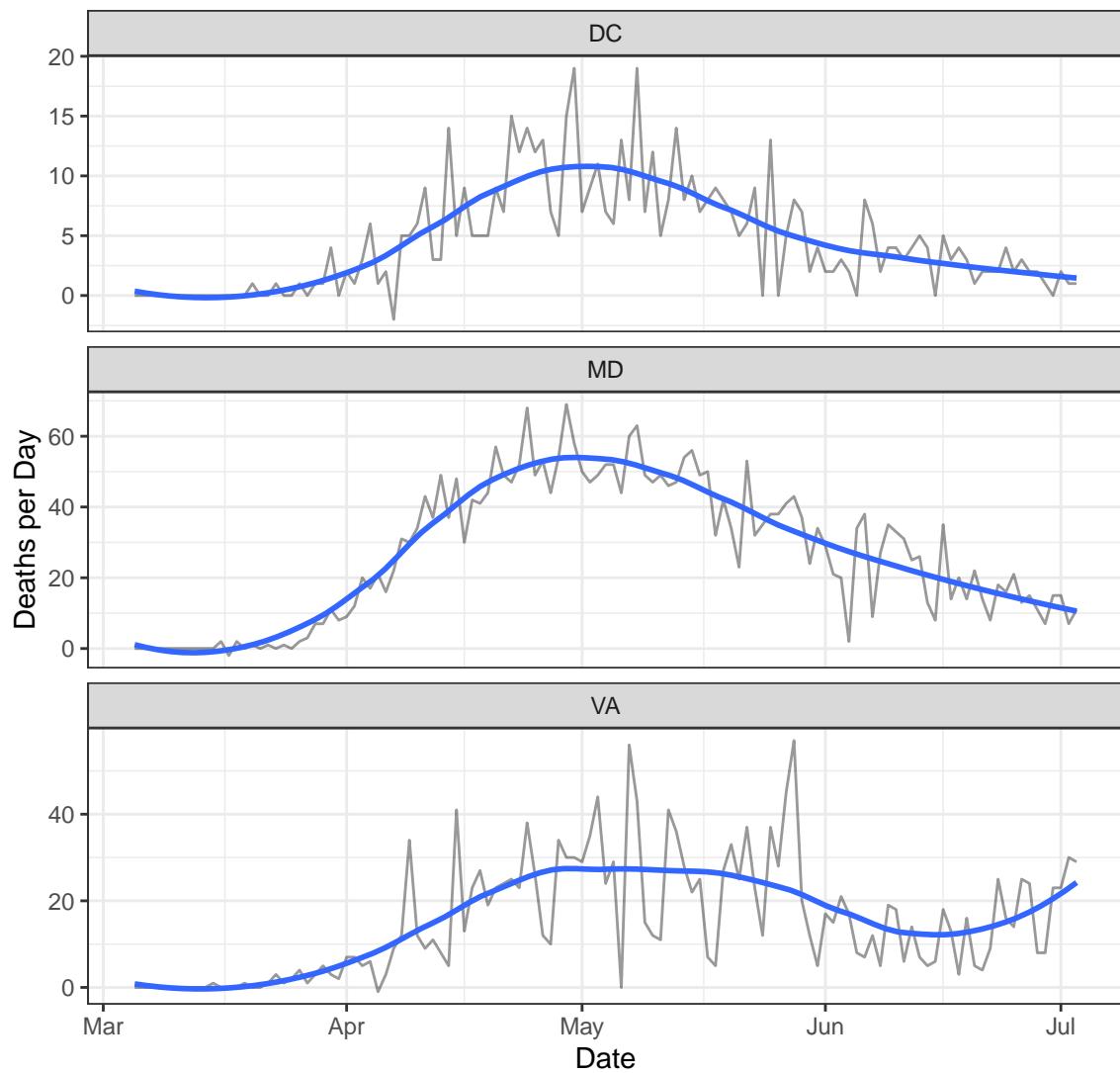
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	10,435	555	45	1
MD	68,961	3,223	538	11
VA	64,393	1,845	658	29

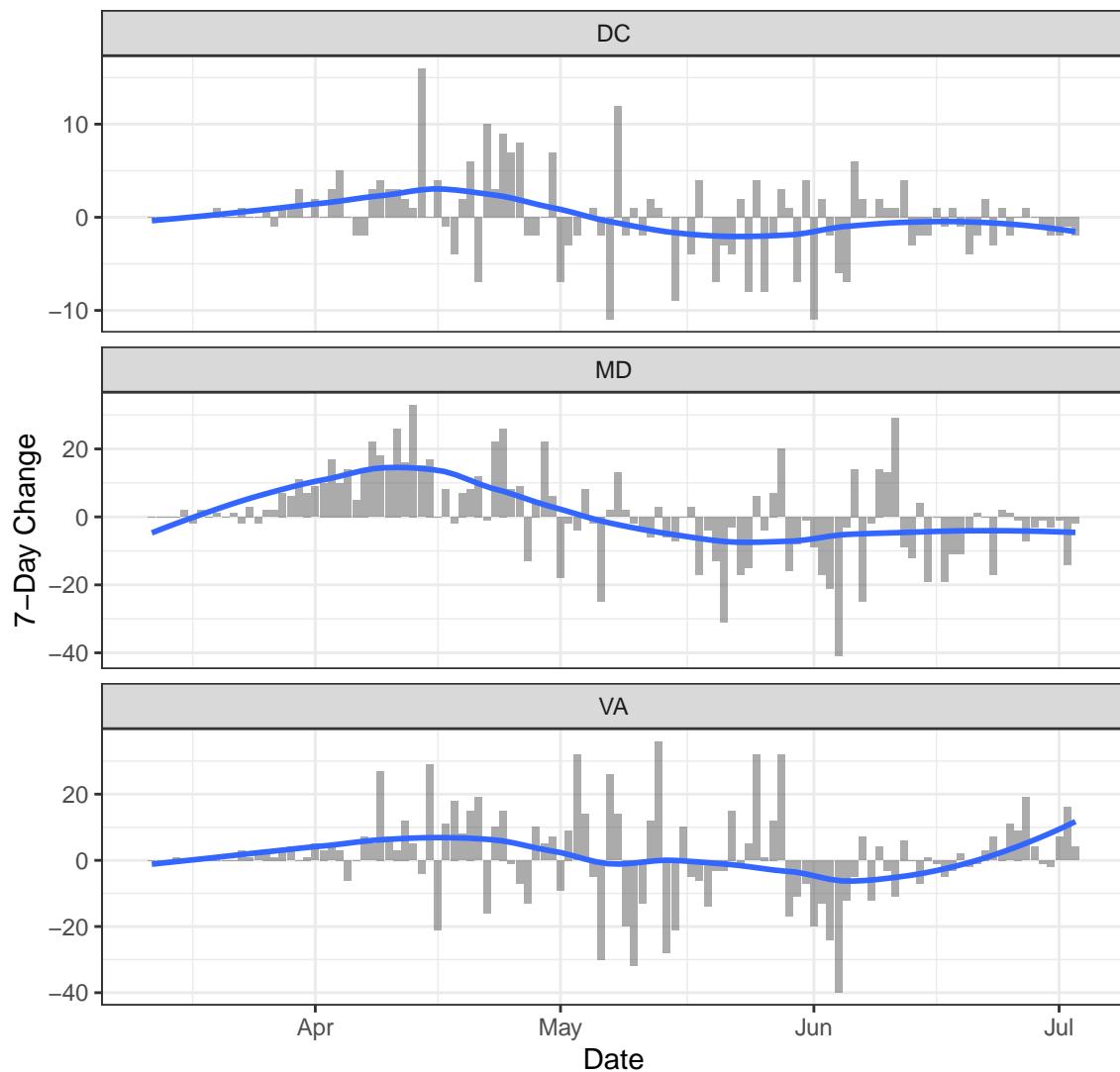
Deaths

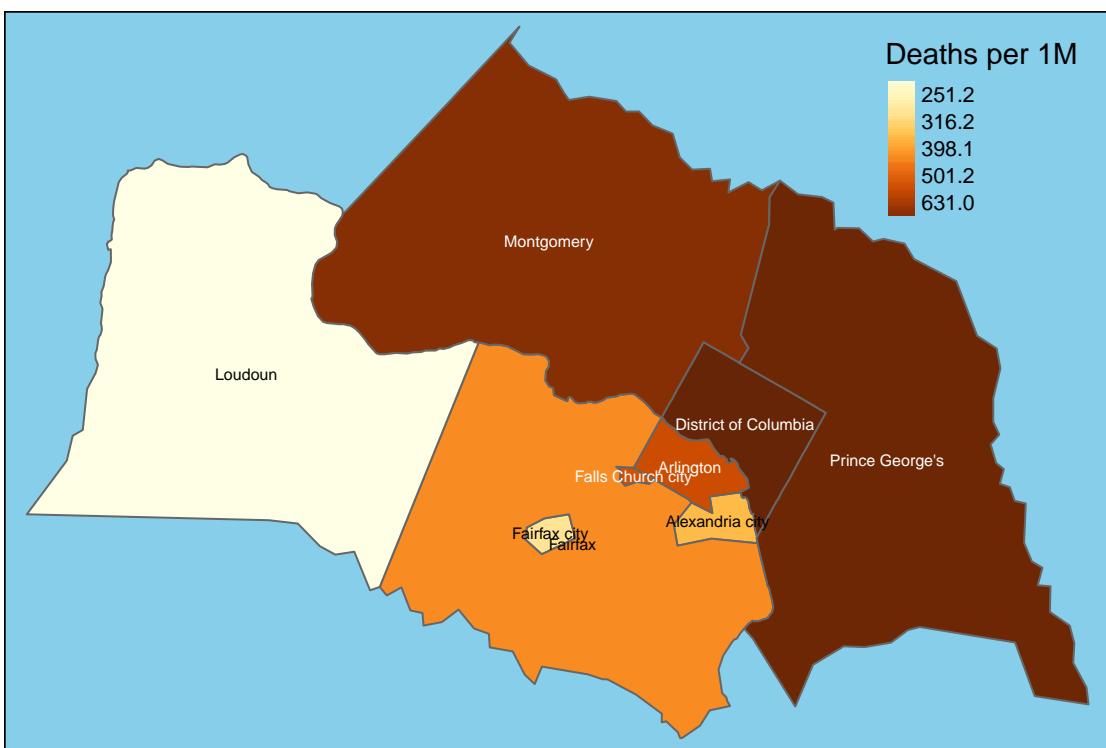
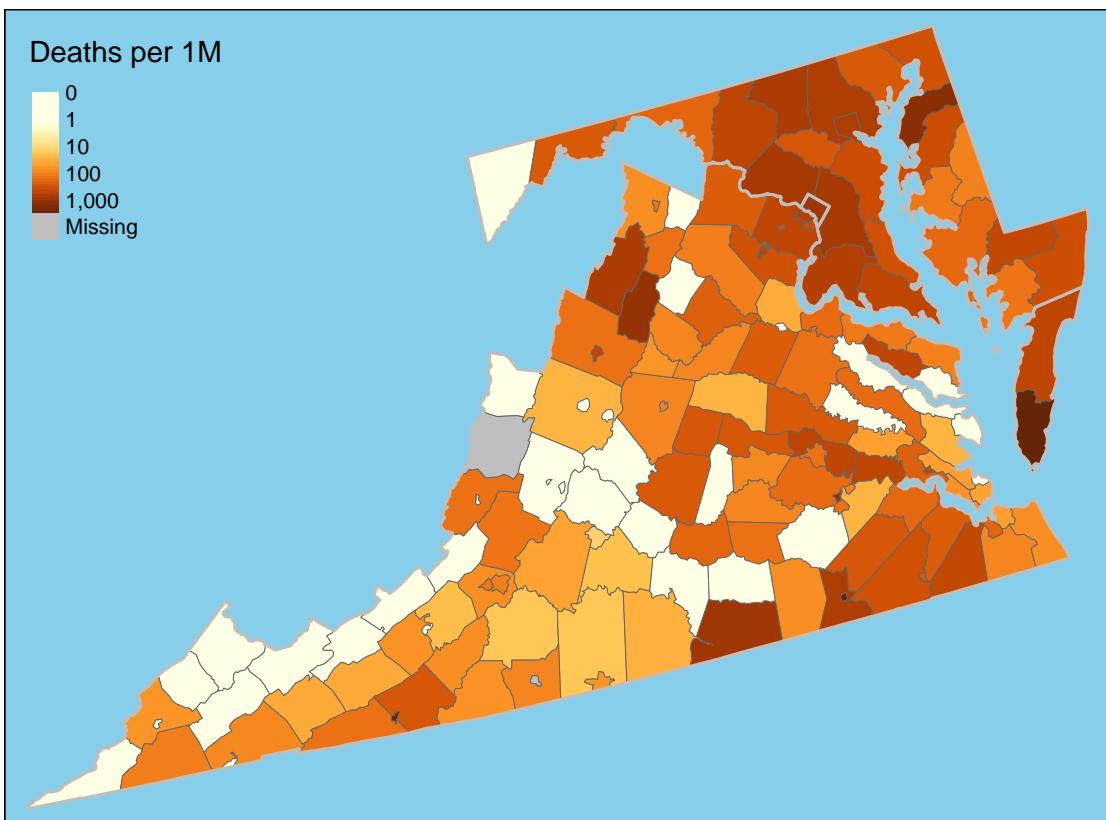


New Deaths

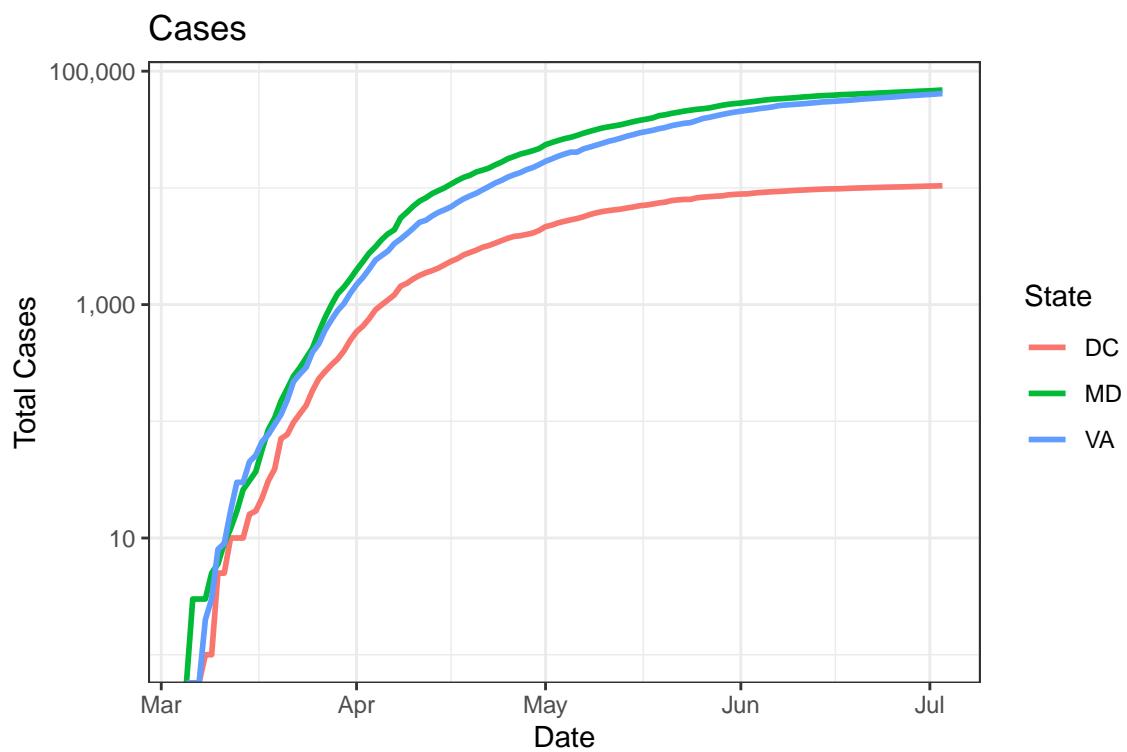


One-Week Change in Daily Deaths

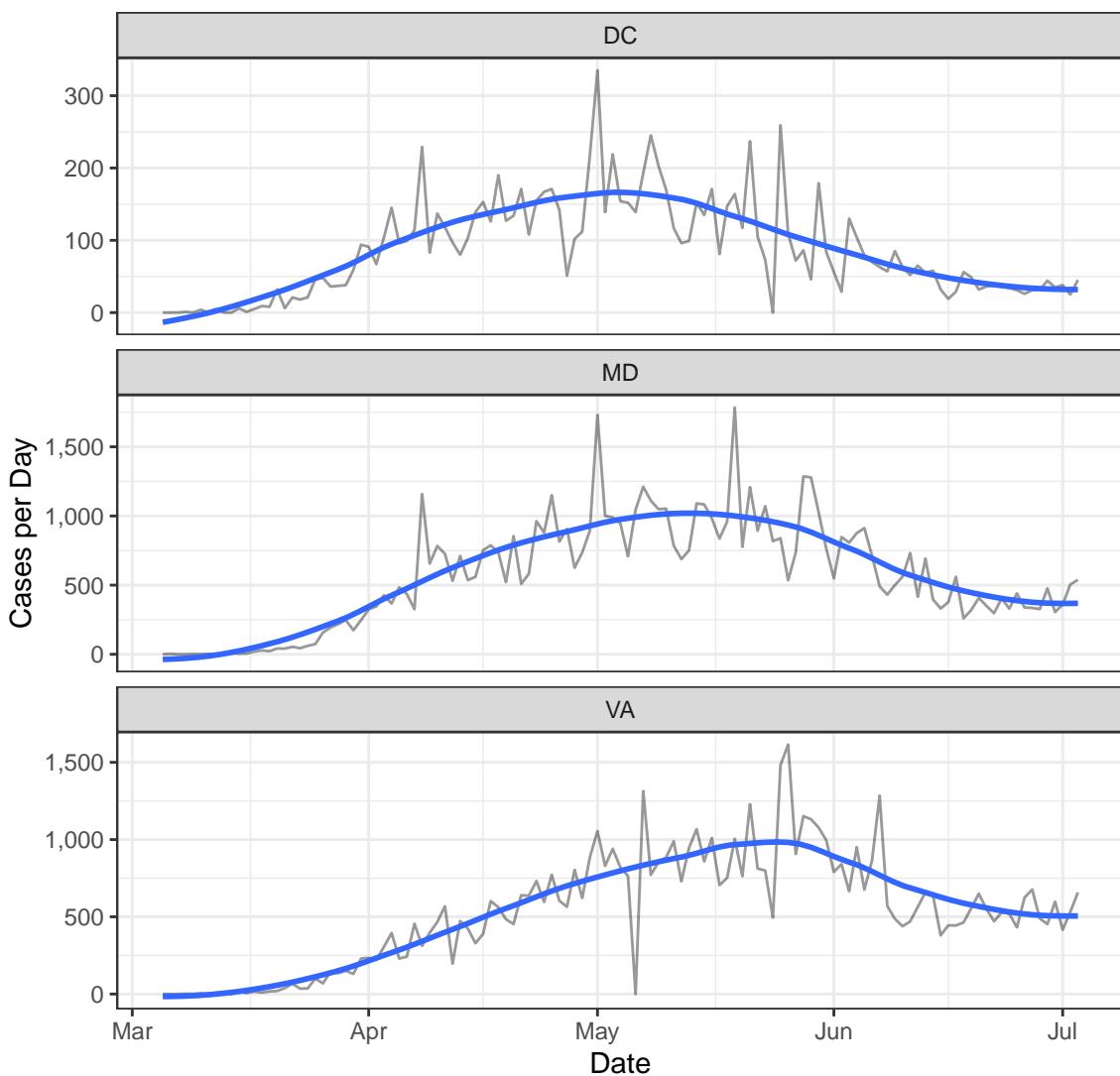




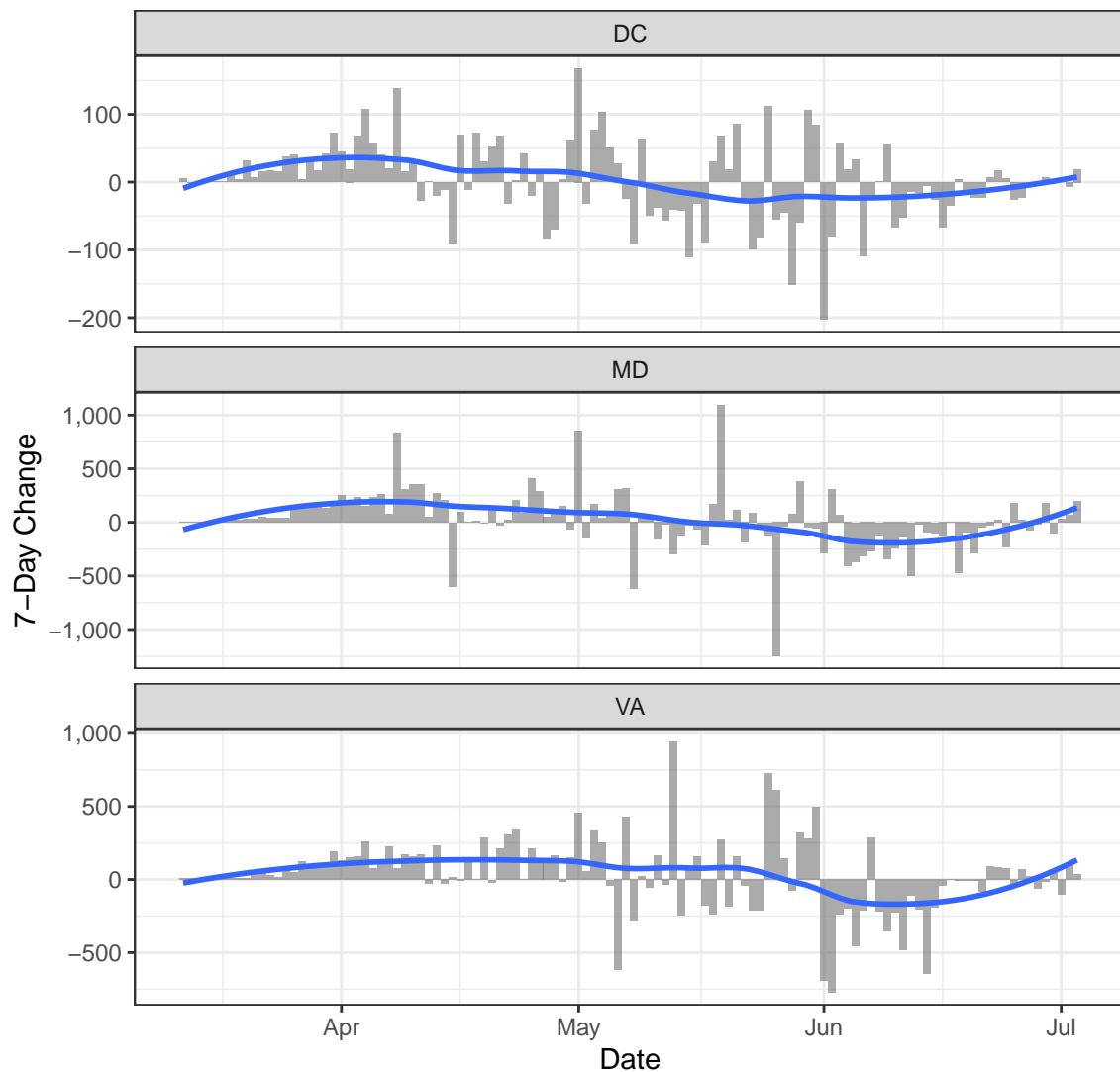
Cases

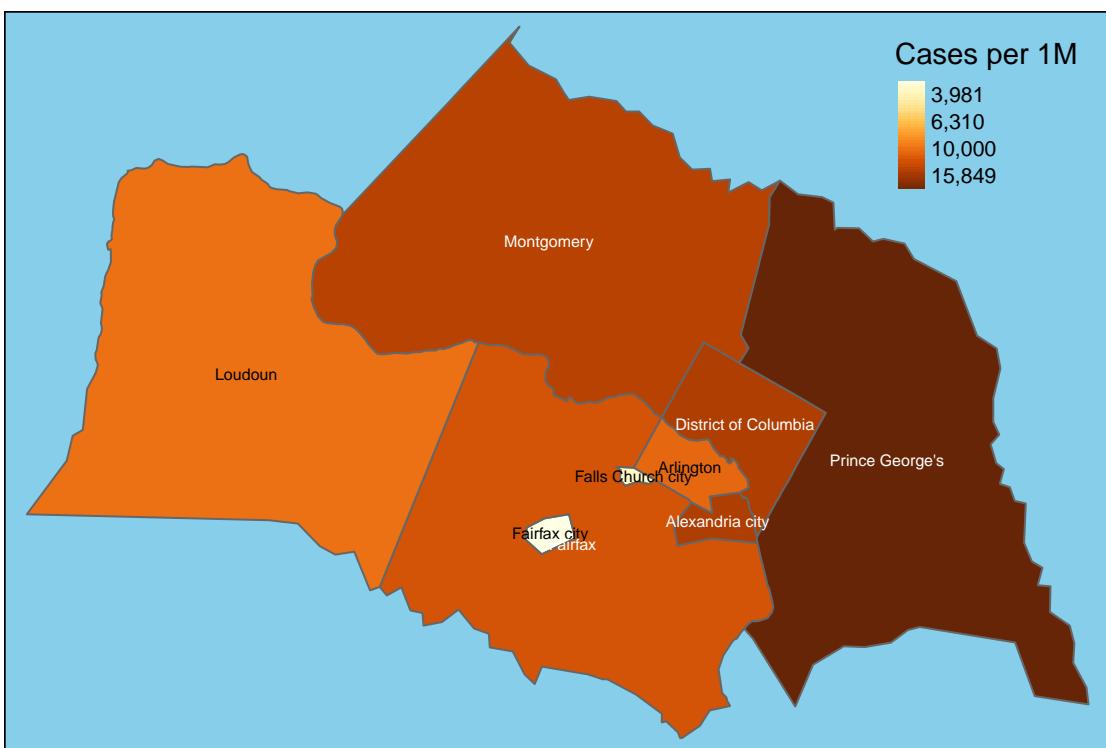
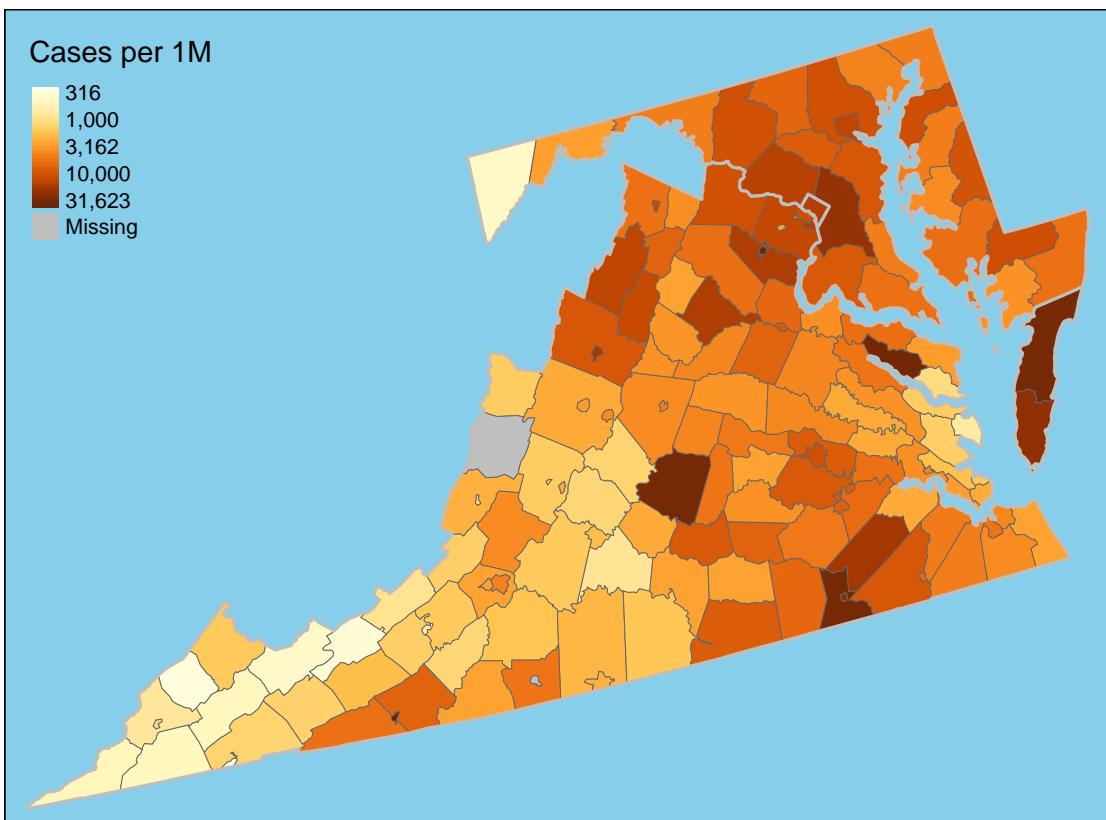


New Cases

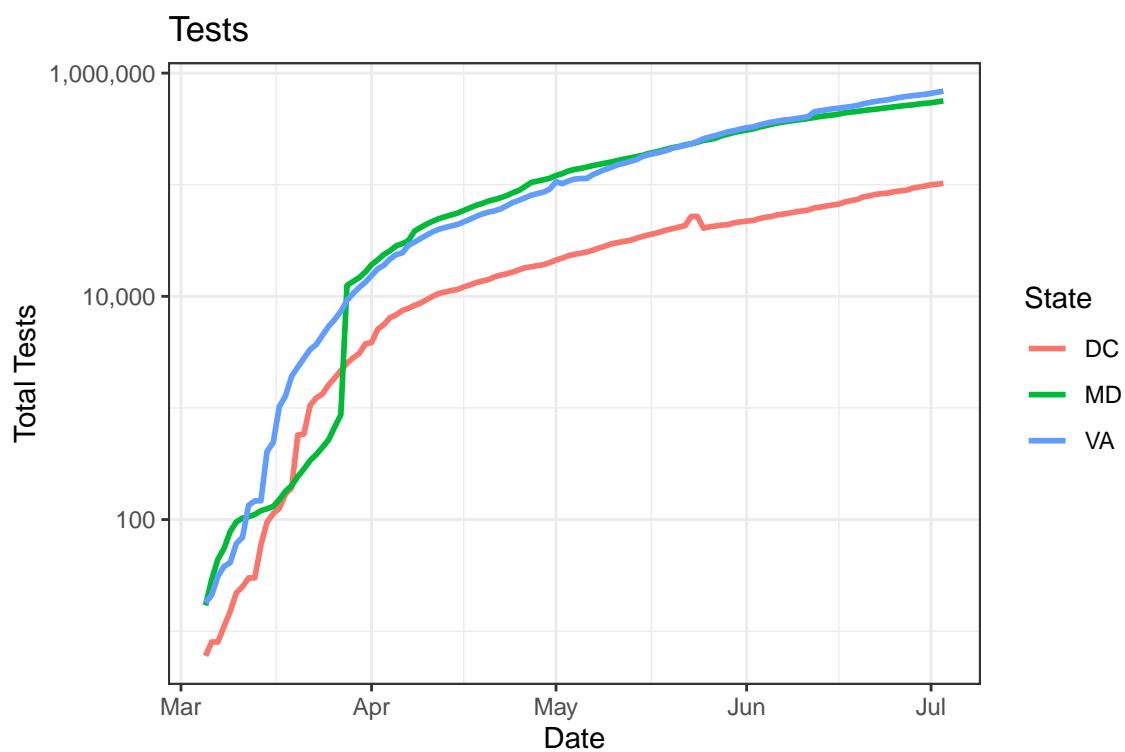


One-Week Change in Daily Cases

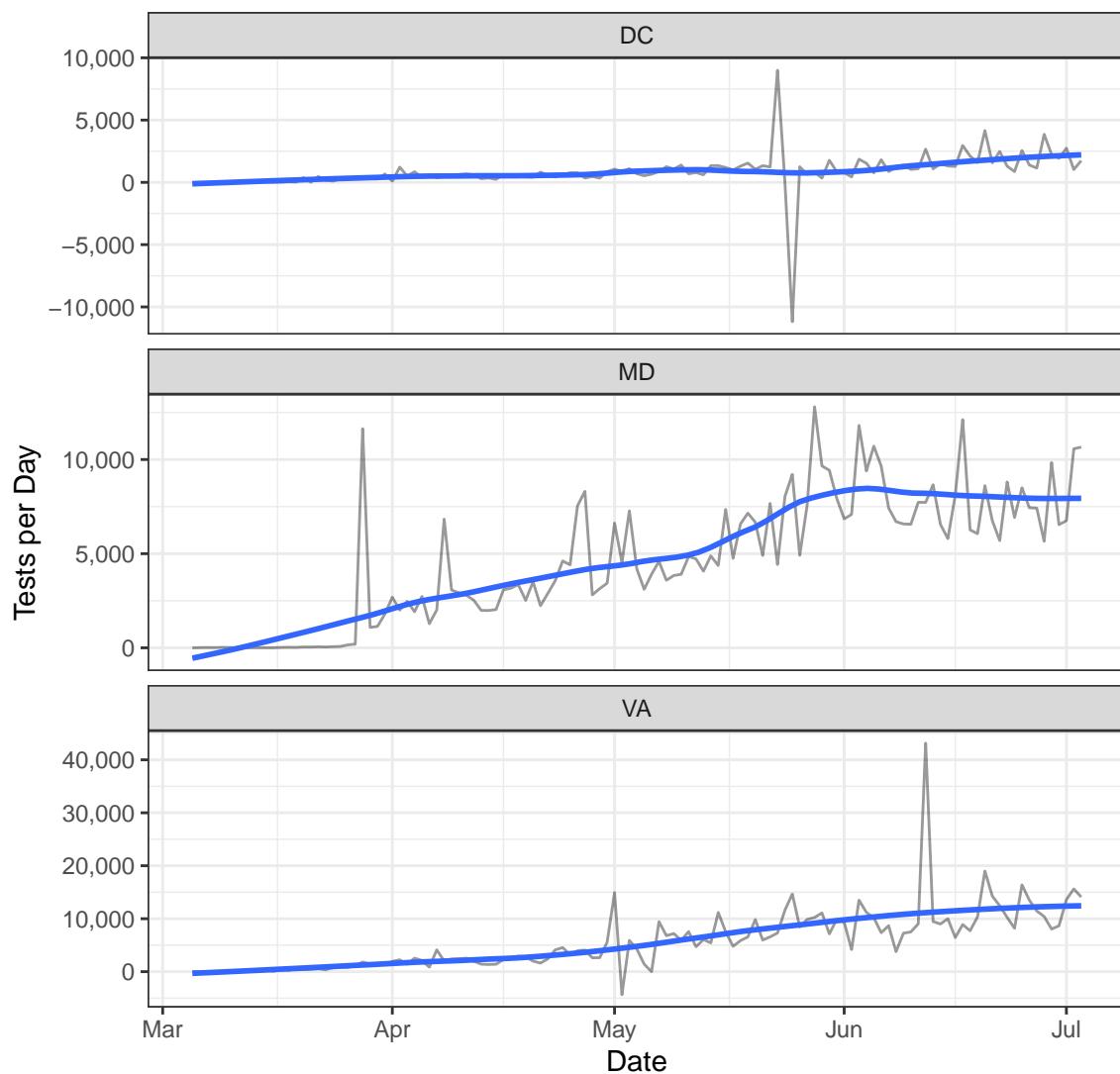




Testing



New Tests



Positive Test Rate

