

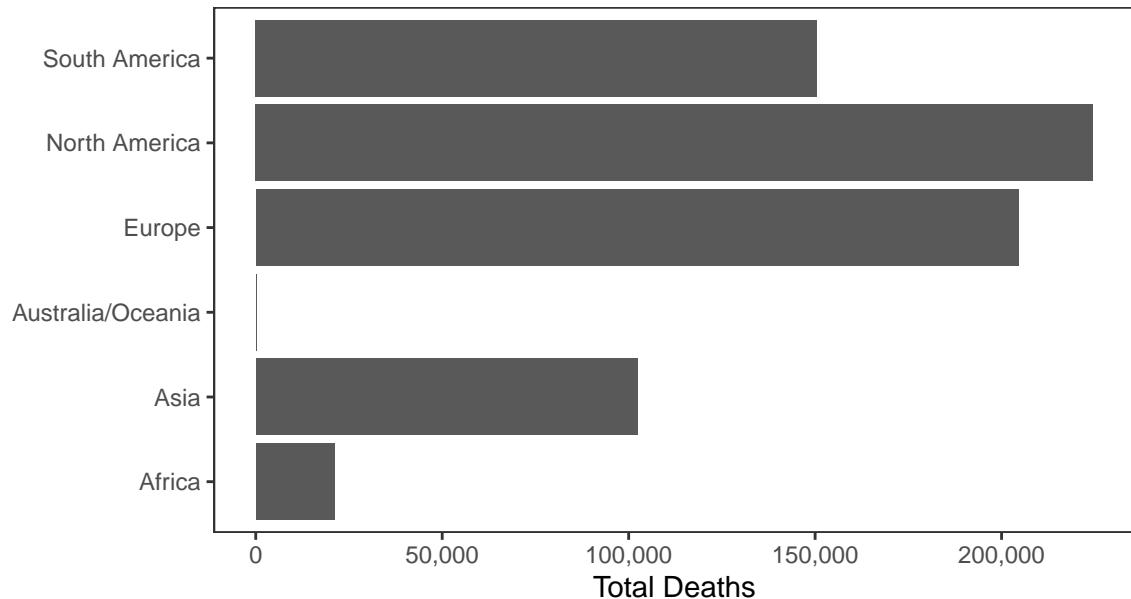
Erik's Covid-19 Chart Pack

Data updated 2020-08-05 18:22:07. 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 18,694,073 confirmed Covid-19 cases and 703,449 deaths worldwide.

Deaths



Cases

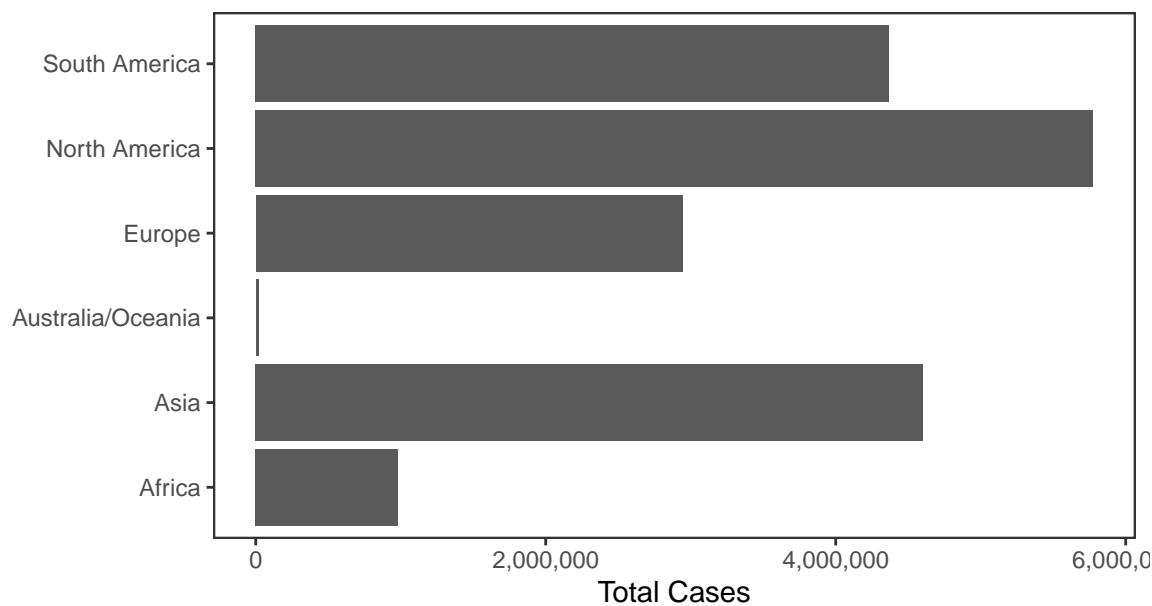
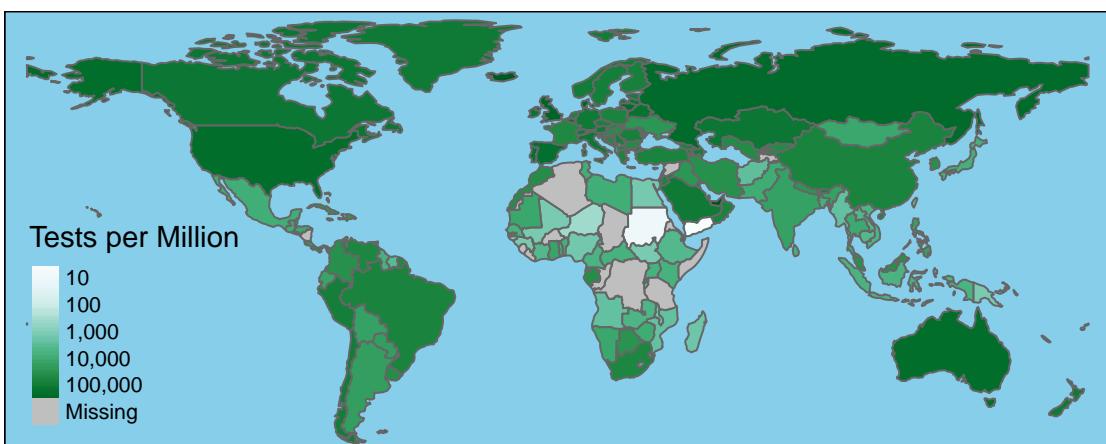
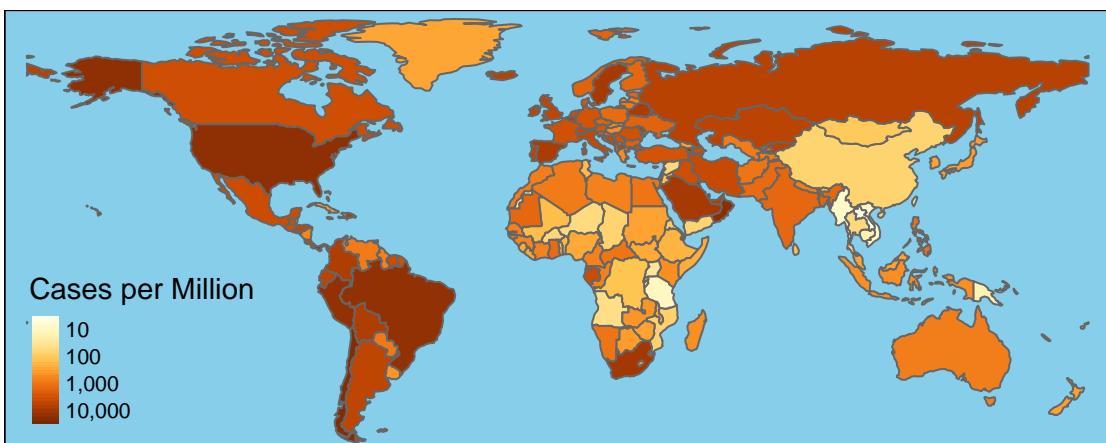
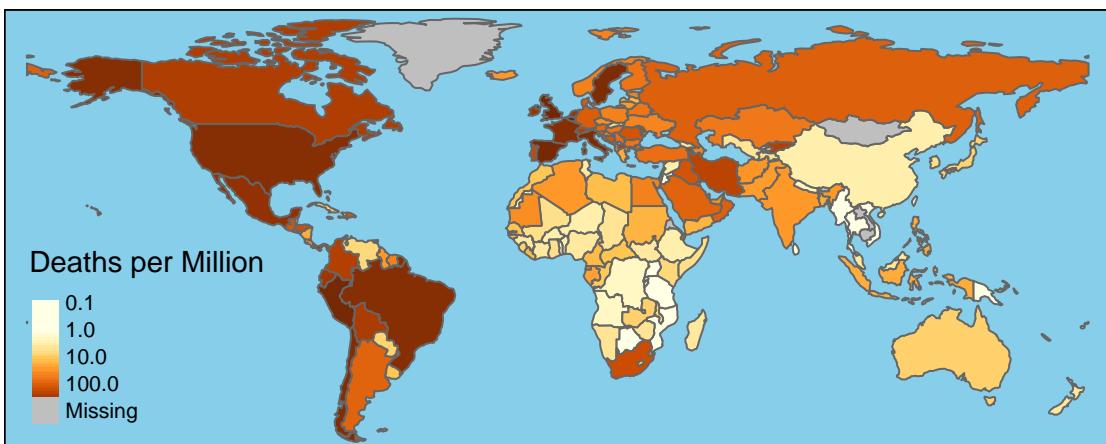


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	4,918,420	160,290	54,504	1,362
Brazil	2,808,076	96,096	56,411	1,394
India	1,906,613	39,820	51,282	849
Russia	861,423	14,351	5,159	144
South Africa	521,318	8,884	4,456	345
Mexico	443,813	48,012	4,767	266
Peru	439,890	20,007	6,790	196
Chile	362,962	9,745	1,469	38
Spain	349,894	28,498	5,760	26
Colombia	334,979	11,315	7,129	298
Iran	314,786	17,617	2,751	212
UK	306,293	46,299	670	89
Saudi Arabia	281,435	2,984	1,342	35
Pakistan	280,461	5,999	432	15
Italy	248,419	35,171	190	5
Bangladesh	244,020	3,234	1,918	50
Turkey	234,934	5,765	1,083	18
Argentina	213,535	3,979	6,792	166
Germany	213,080	9,232	760	0
France	192,334	30,296	1,039	2



National Data

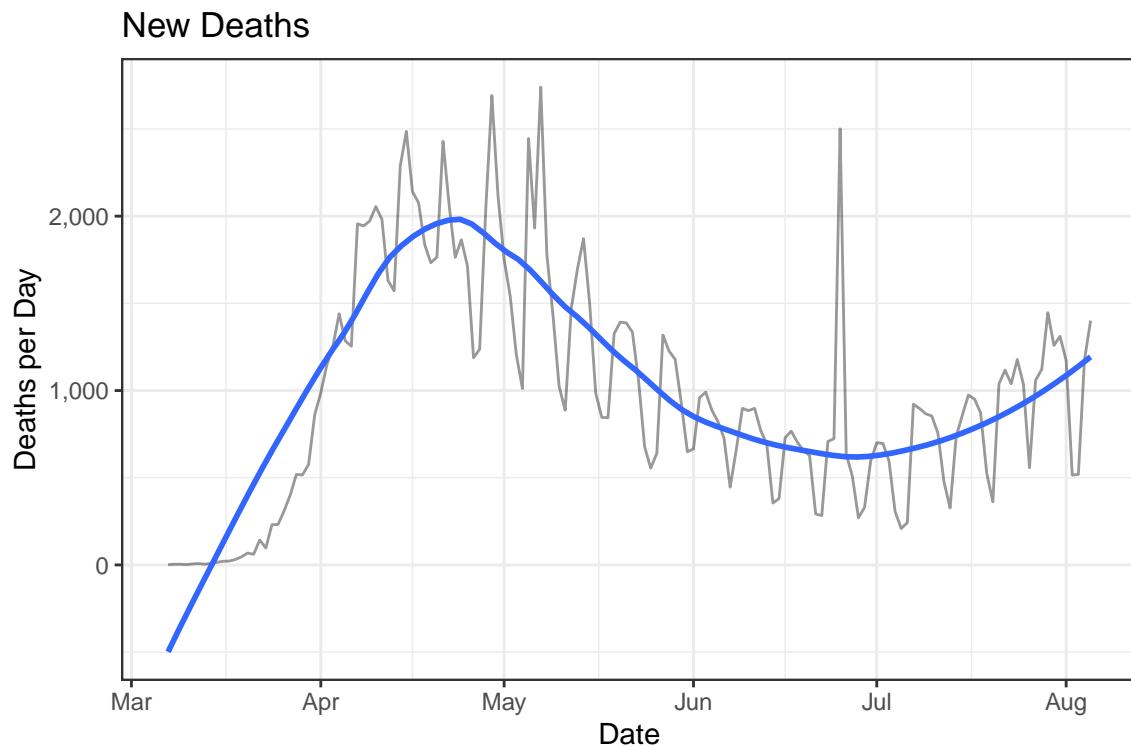
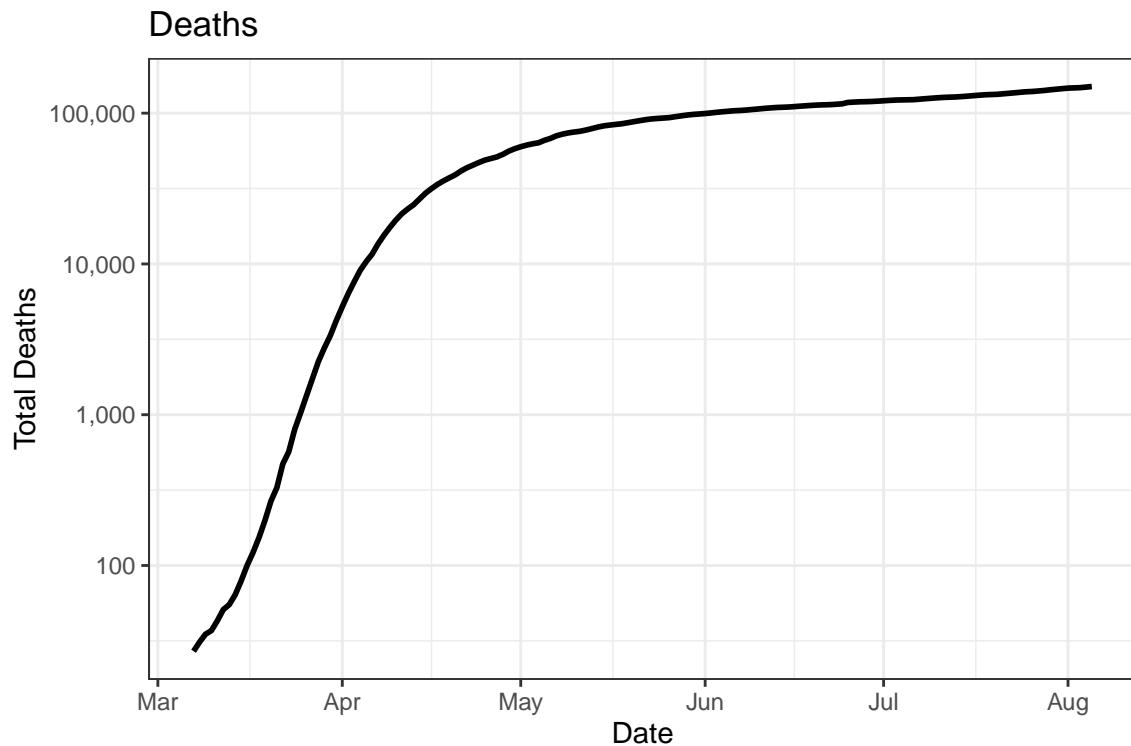
There have been 4,797,519 confirmed Covid-19 cases and 150,230 deaths in the United States.

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

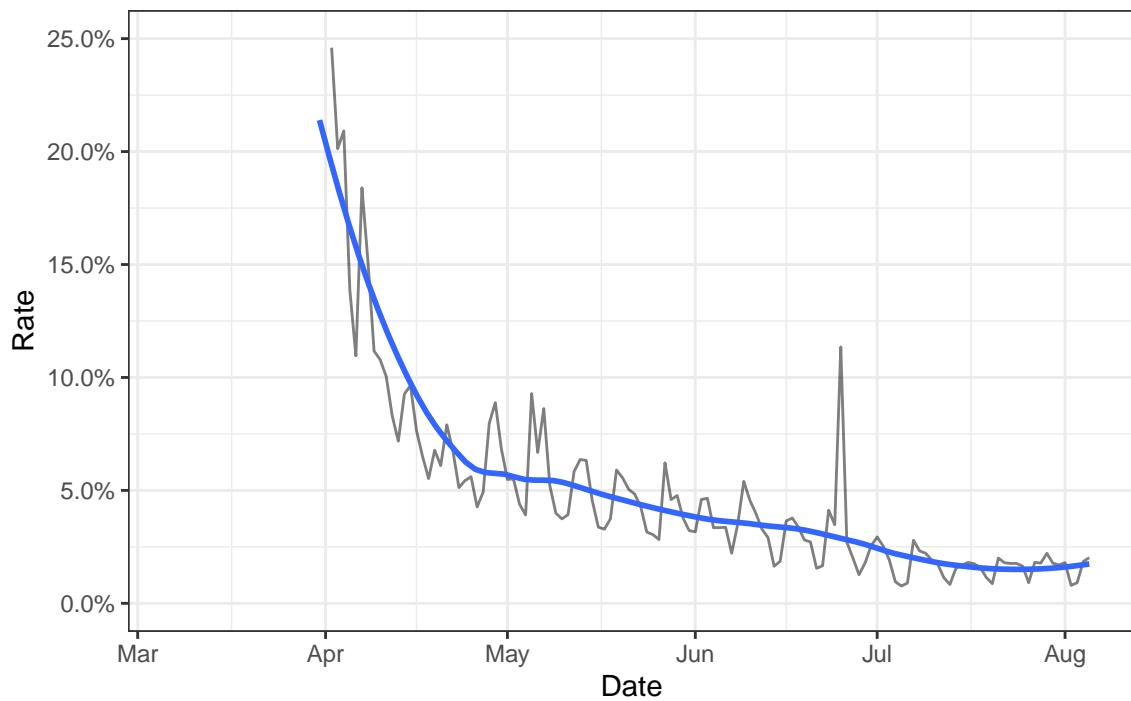
Date	Cases	Deaths	New Cases	New Deaths
2020-08-05	4,797,519	150,230	51,825	1,401
2020-08-04	4,745,694	148,829	51,568	1,176
2020-08-03	4,694,126	147,653	49,561	519
2020-08-02	4,644,565	147,134	48,694	515
2020-08-01	4,595,871	146,619	60,264	1,172
2020-07-31	4,535,607	145,447	67,755	1,311
2020-07-30	4,467,852	144,136	69,466	1,259
2020-07-29	4,398,386	142,877	66,969	1,447
2020-07-28	4,331,417	141,430	56,229	1,121
2020-07-27	4,275,188	140,309	55,134	1,059
2020-07-26	4,220,054	139,250	61,713	558
2020-07-25	4,158,341	138,692	65,413	1,037
2020-07-24	4,092,928	137,655	75,193	1,178
2020-07-23	4,017,735	136,477	71,027	1,039

Deaths

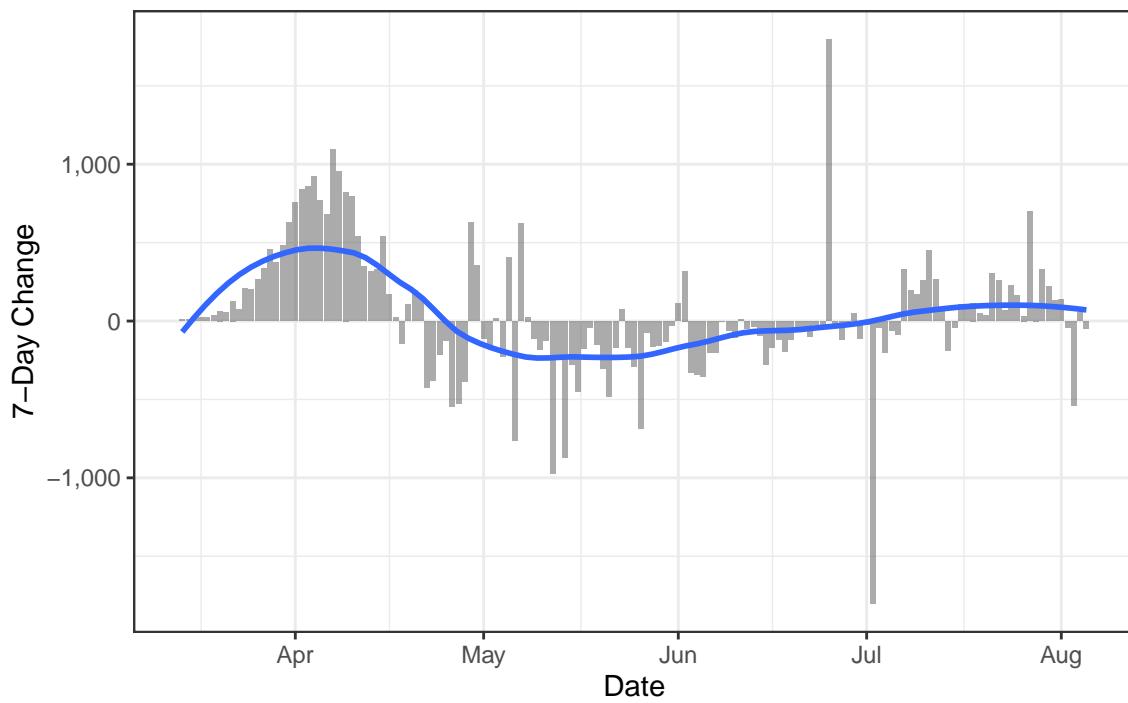
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

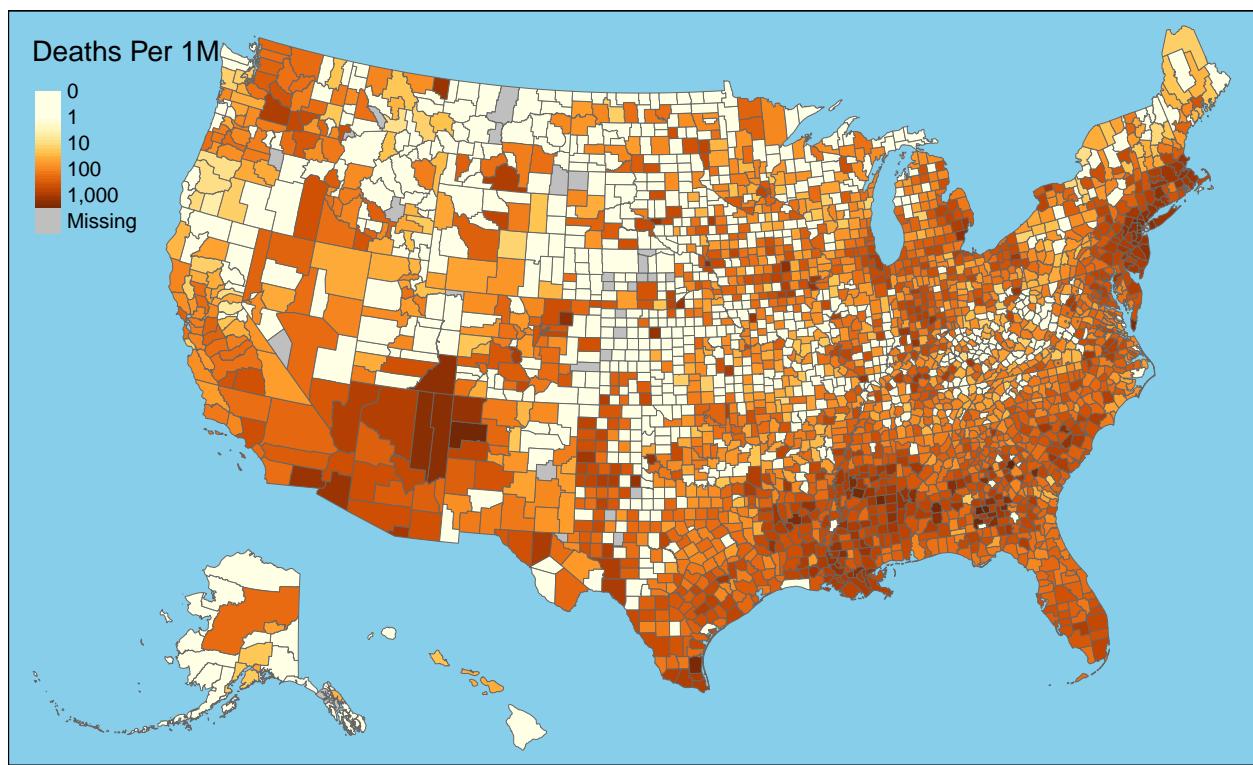


Daily Case Mortality Rate



One-Week Change in Daily Deaths

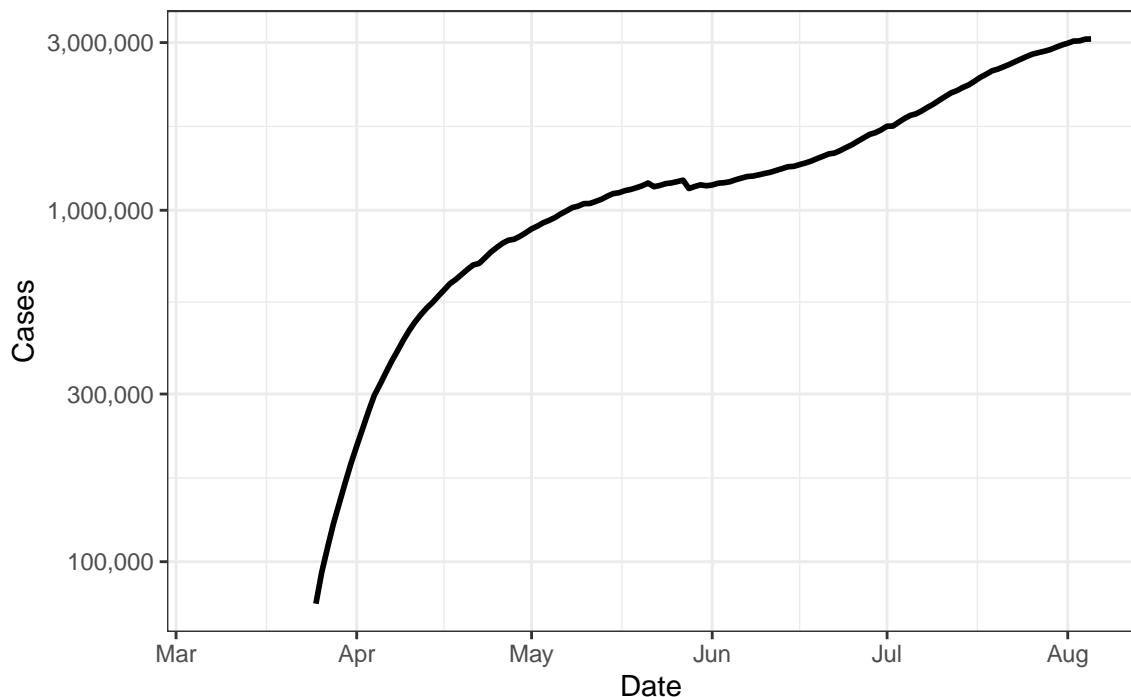




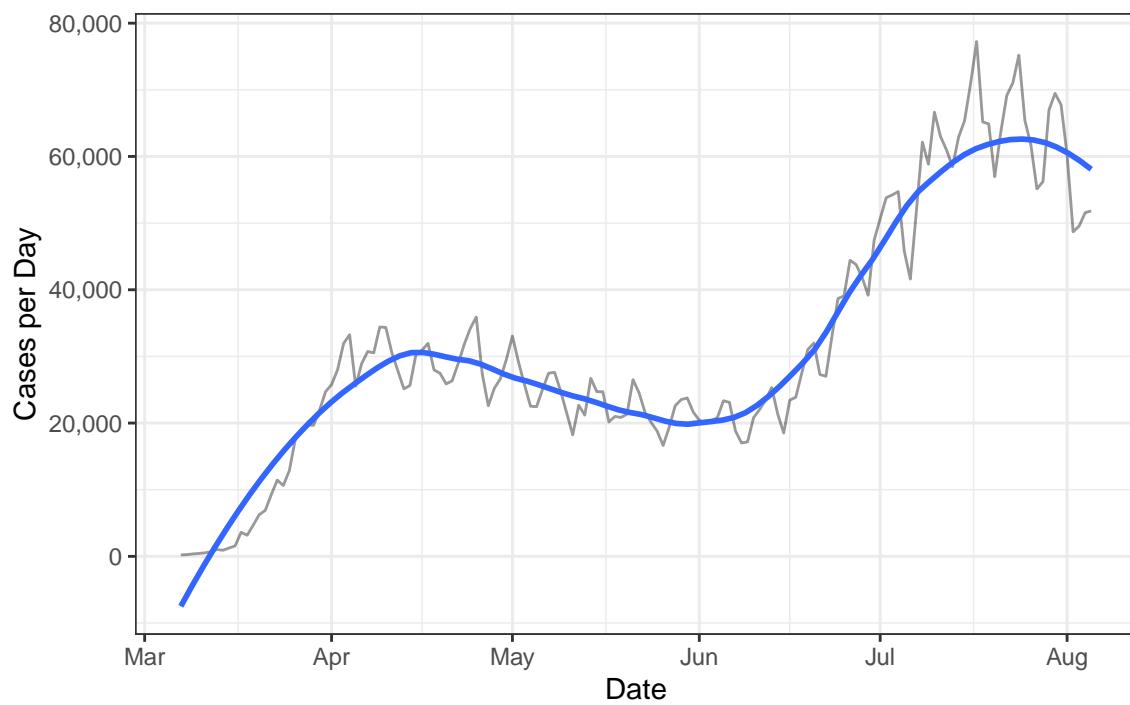
Cases

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

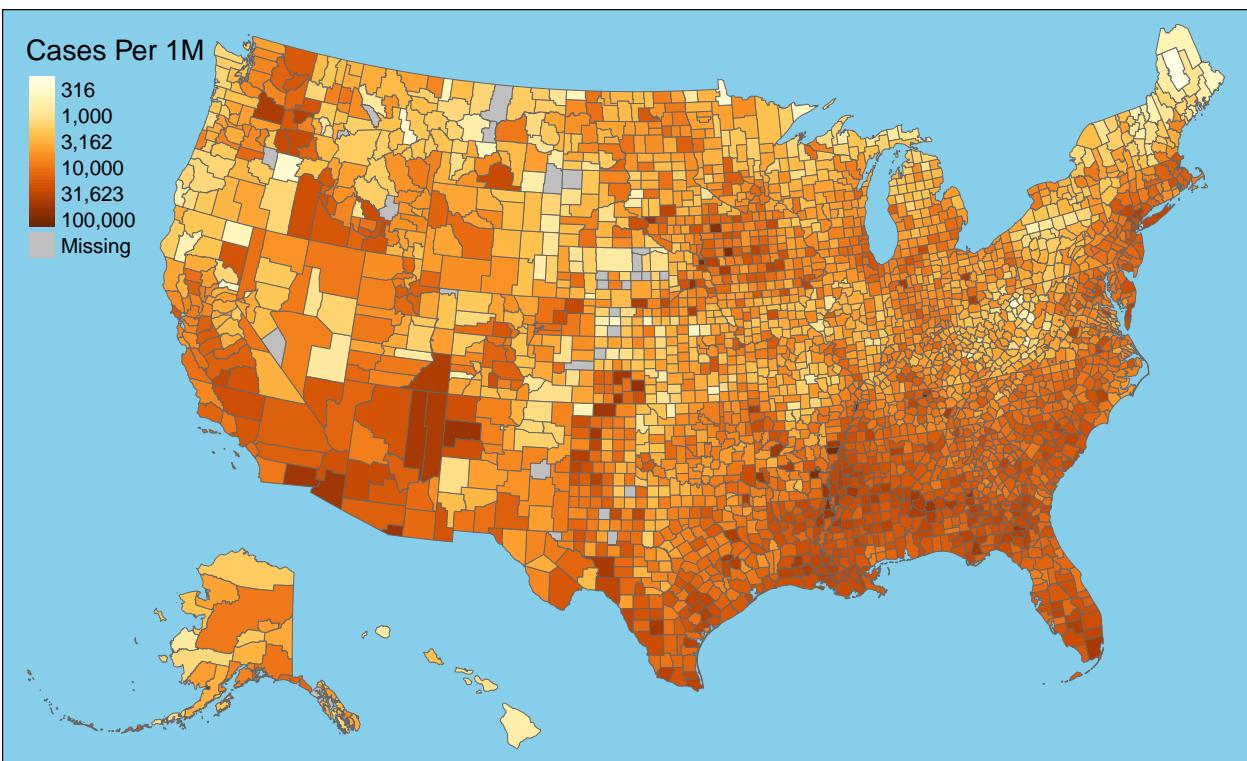
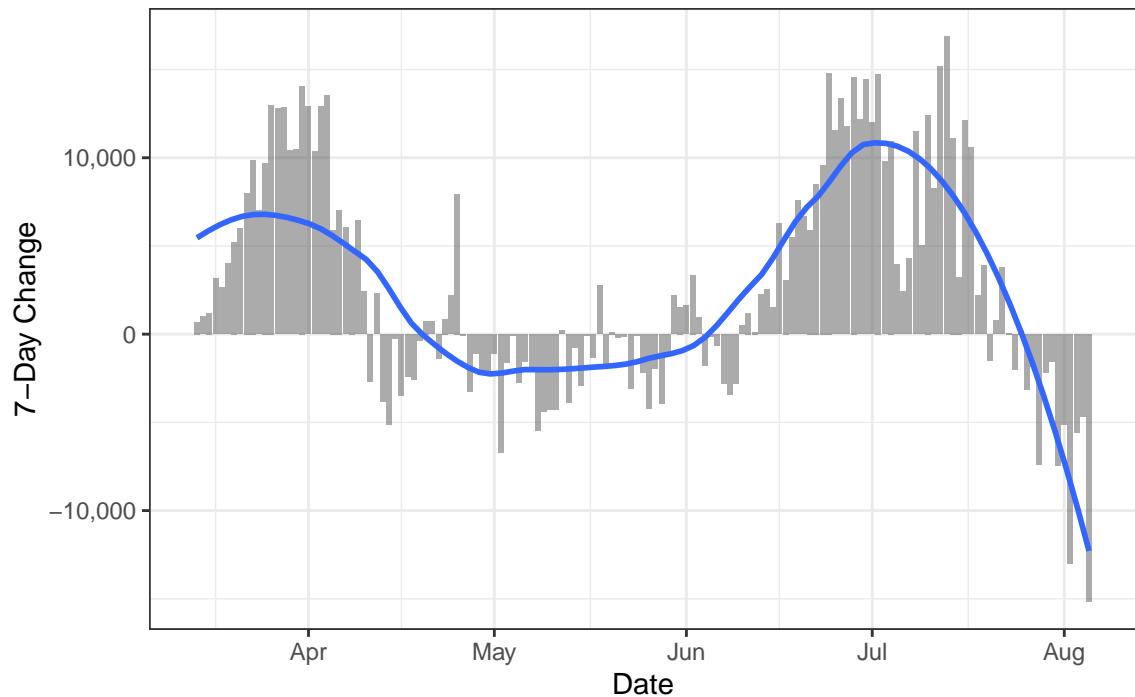
Active Cases



New Cases

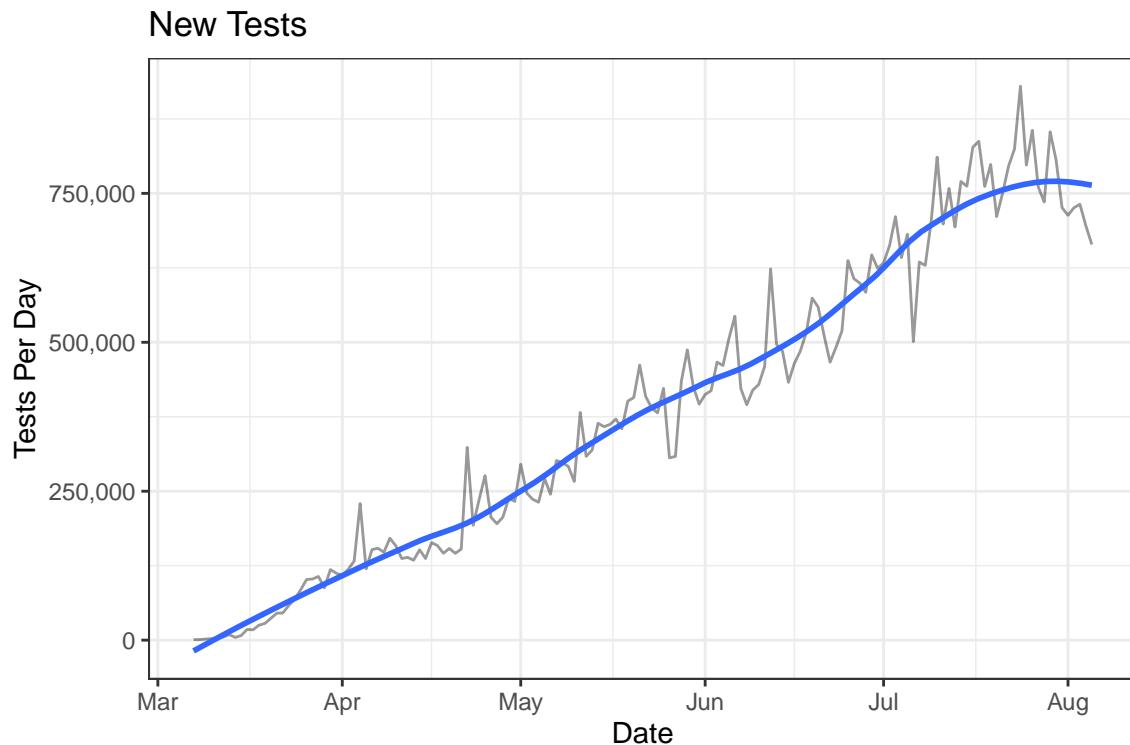
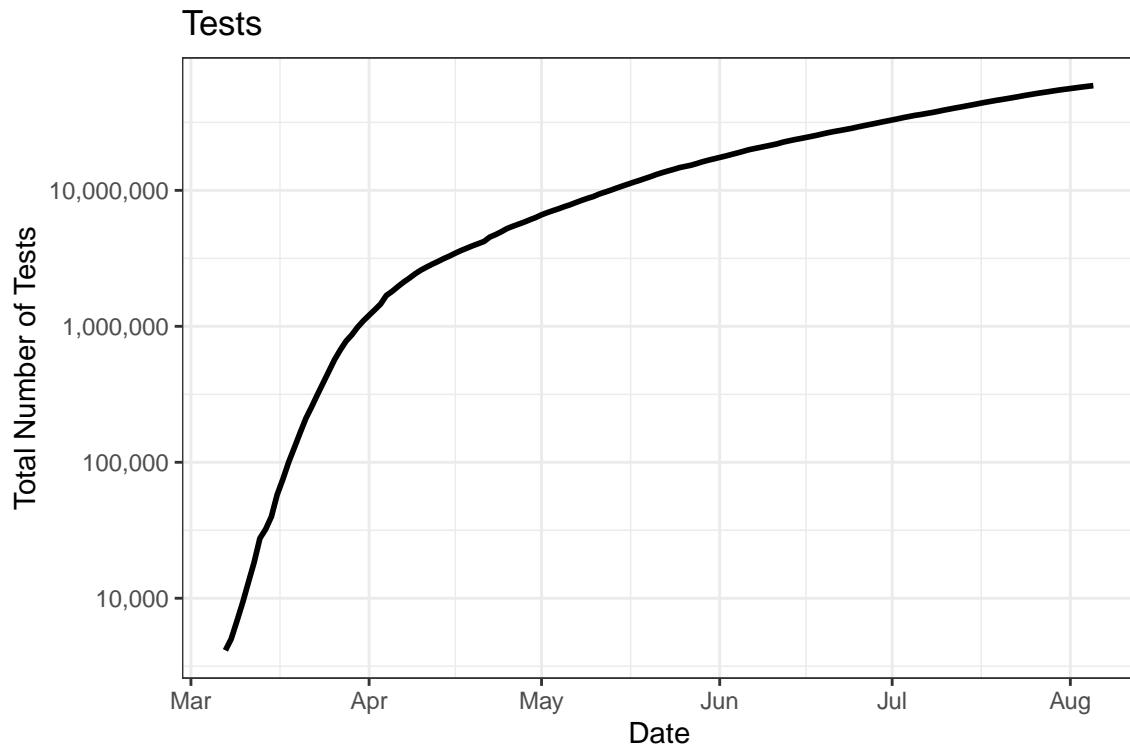


One-Week Change in Daily Cases

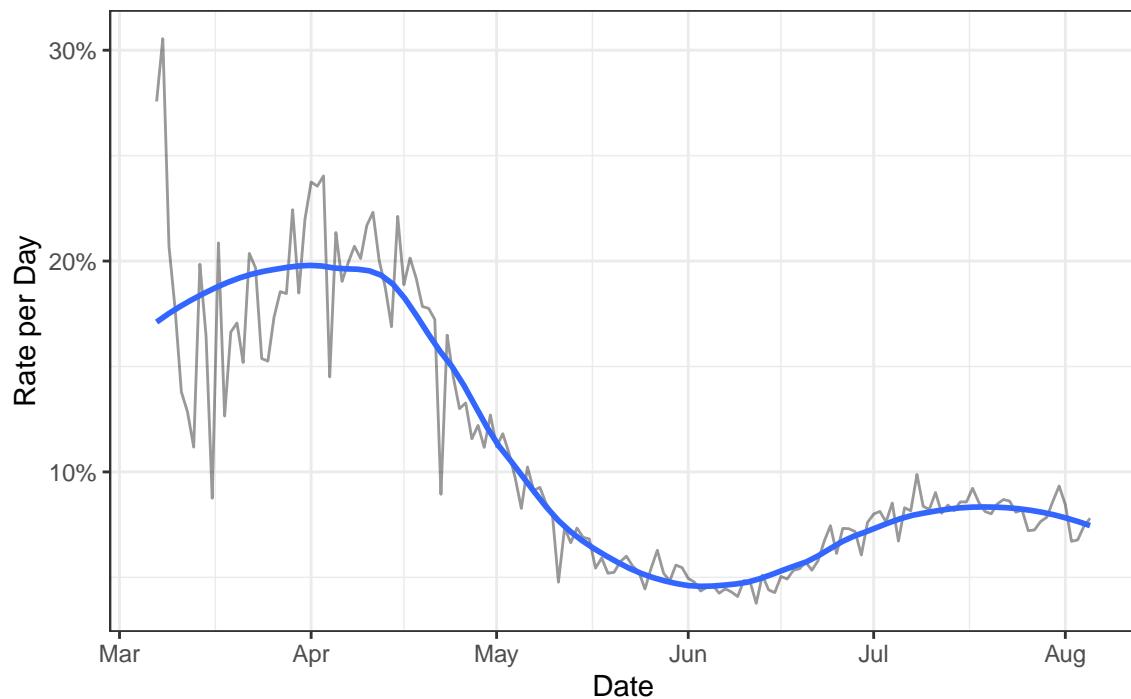


Testing

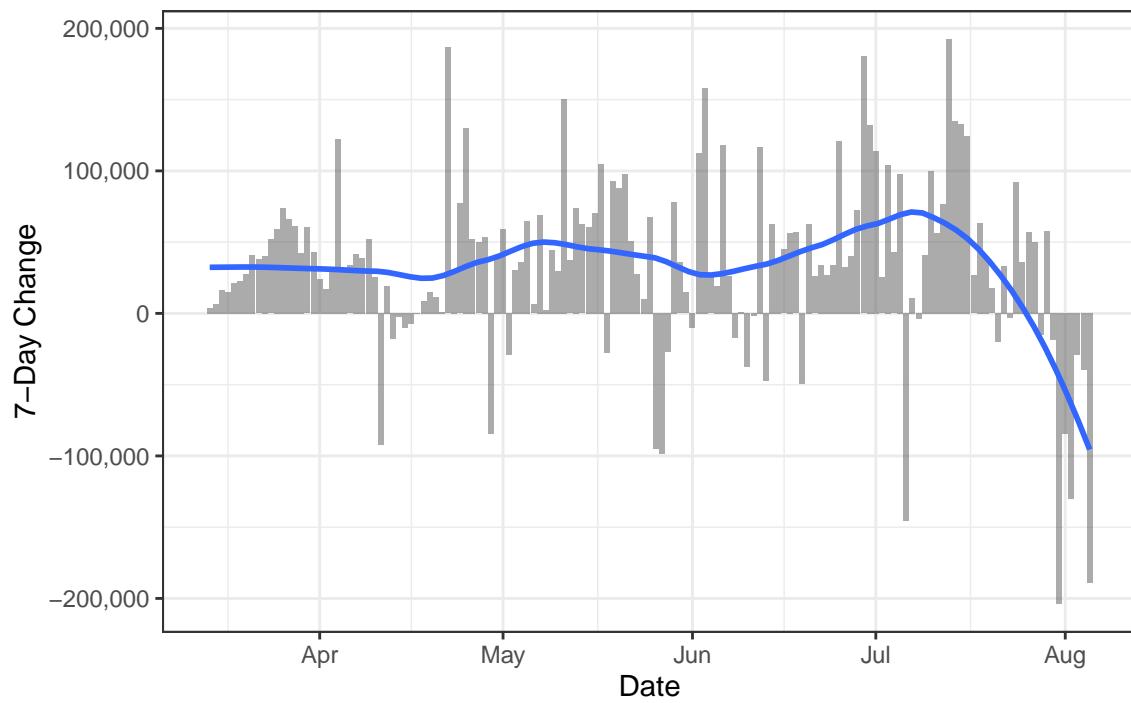
Widespread testing is necessary for managing the spread of the disease. The following charts show how testing in the United States has changed over time. When the supply of available tests is limited, they are typically only used for patients whose symptoms suggest they are likely to have contracted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



Positive Test Rate



One-Week Change in Daily Tests

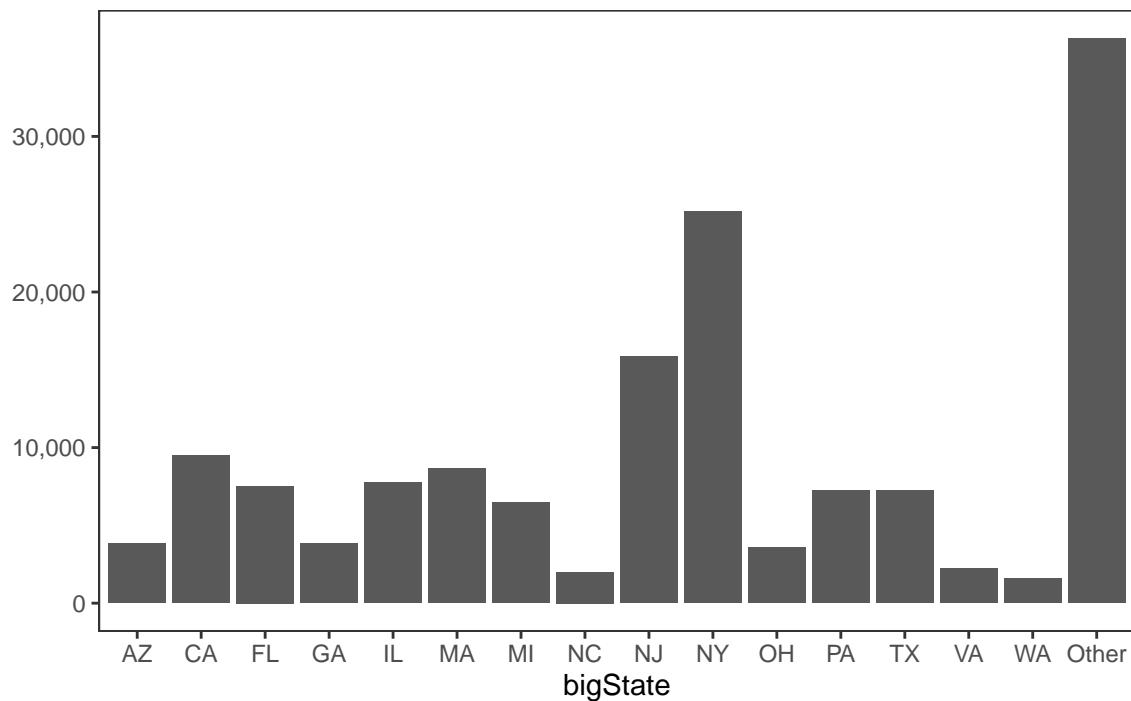


State Data

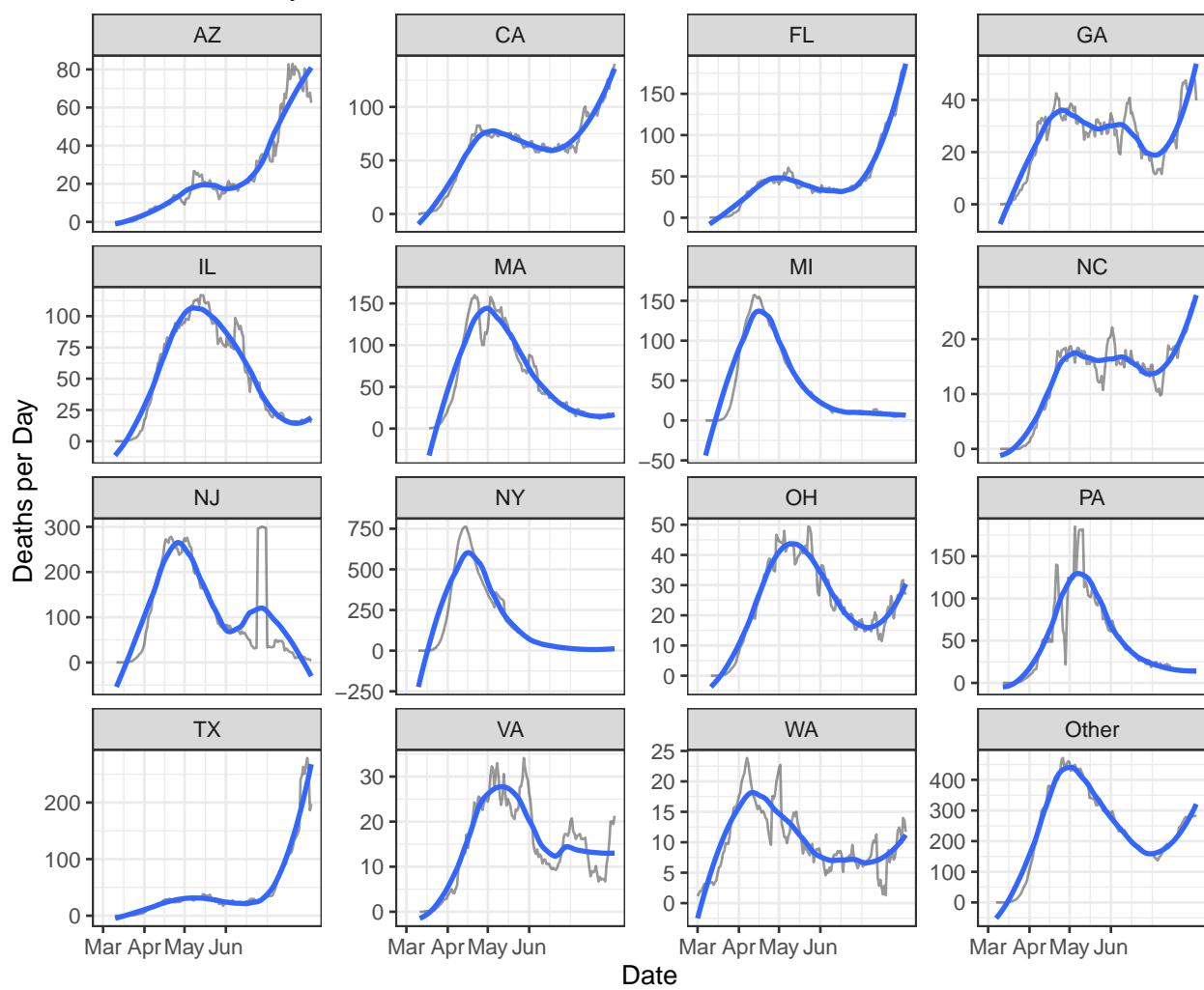
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

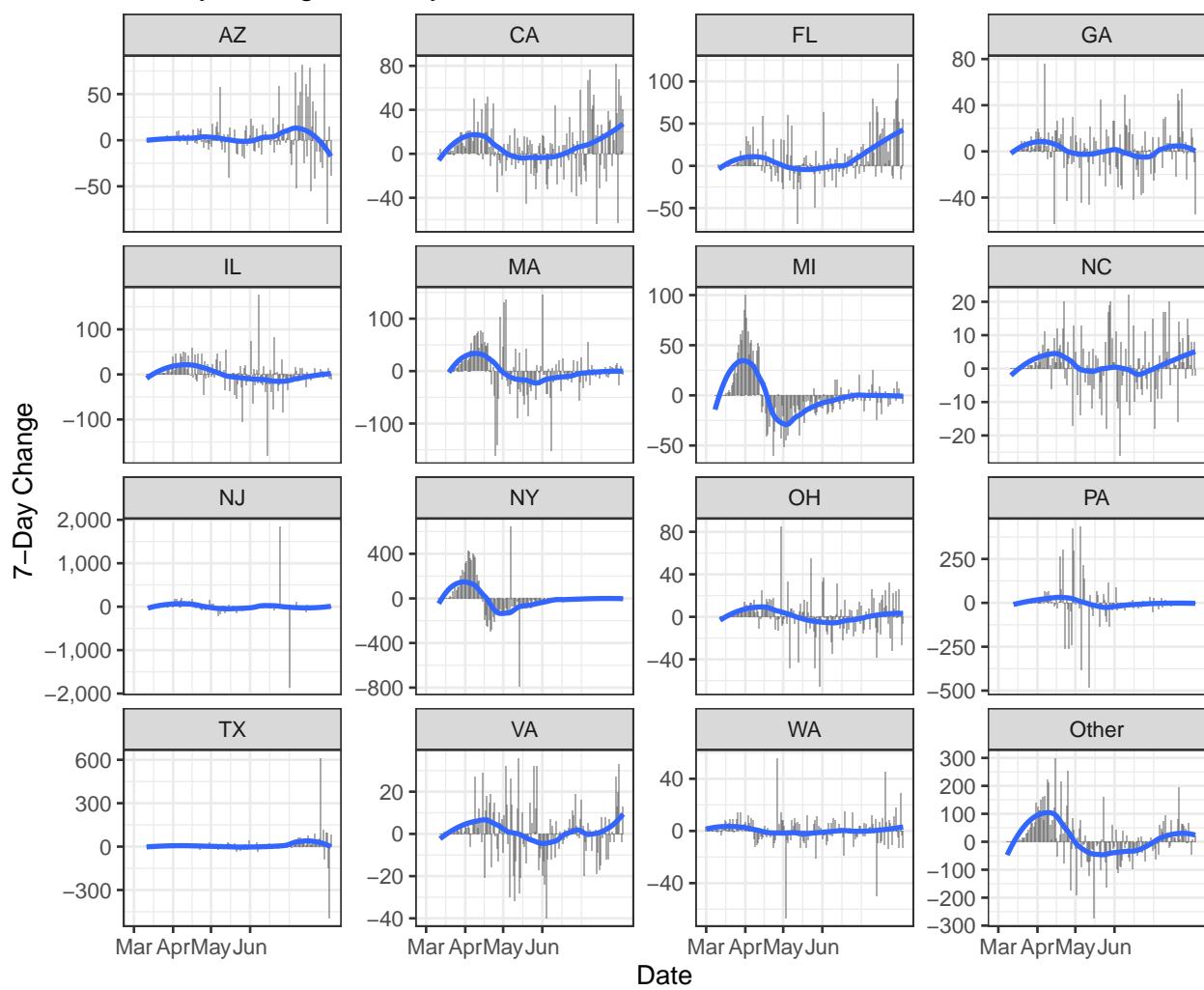
Deaths by State

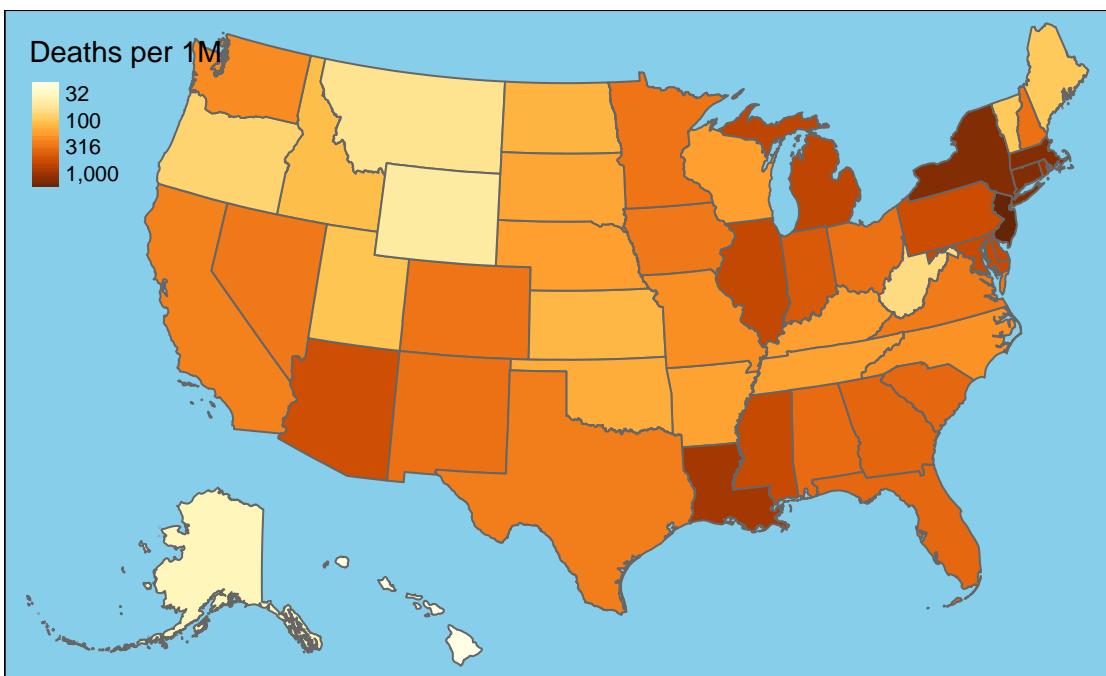
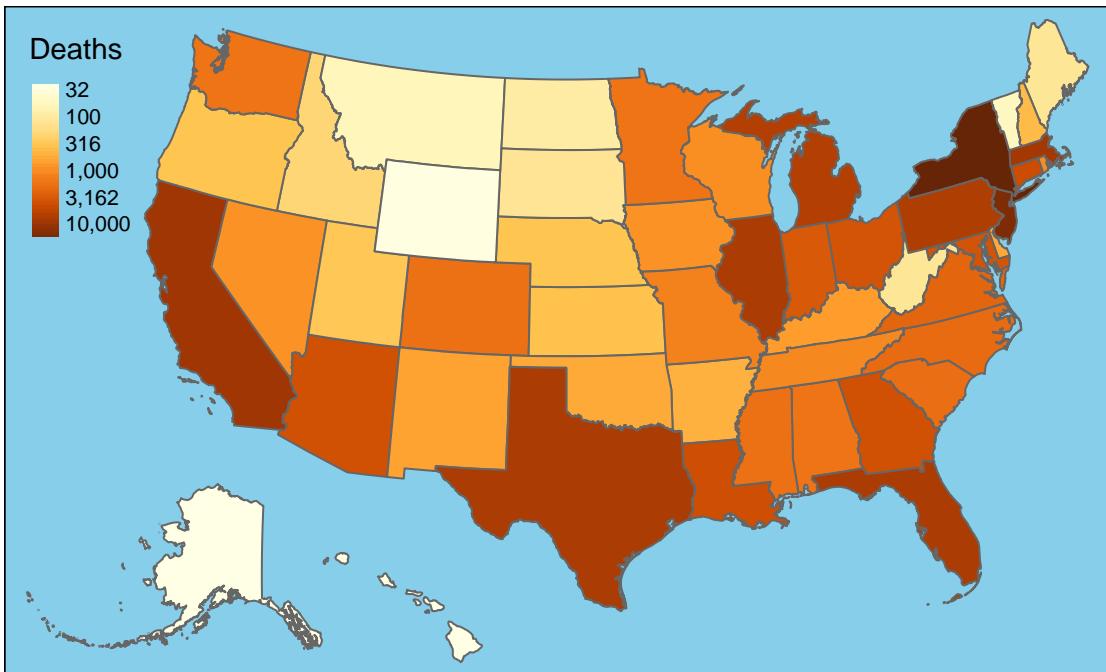


New Deaths by State



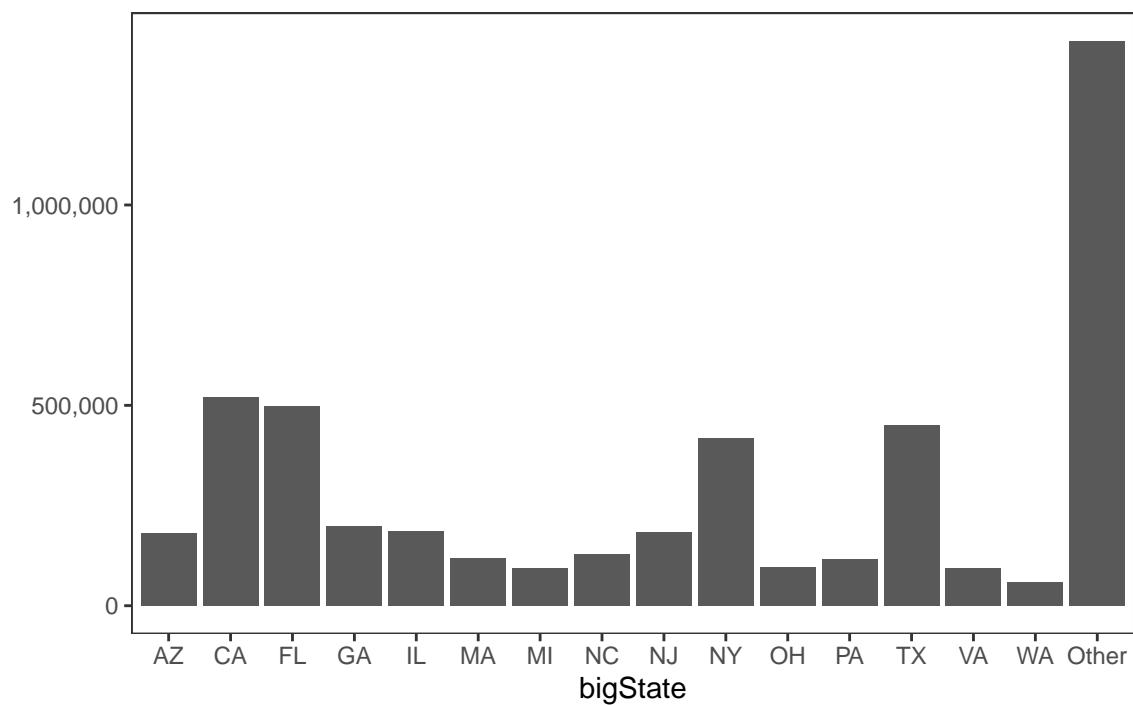
7-Day Change in Daily Deaths



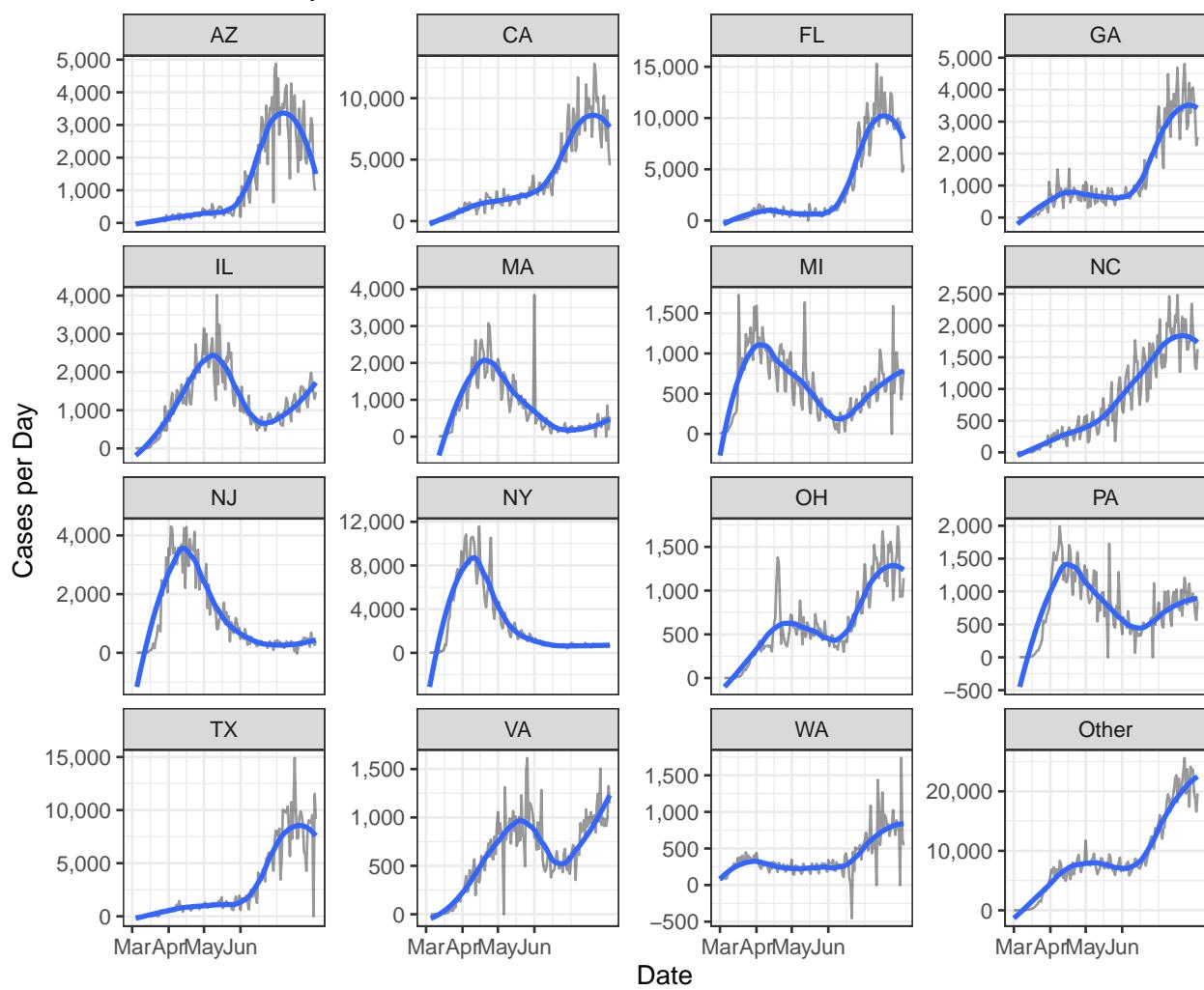


Cases

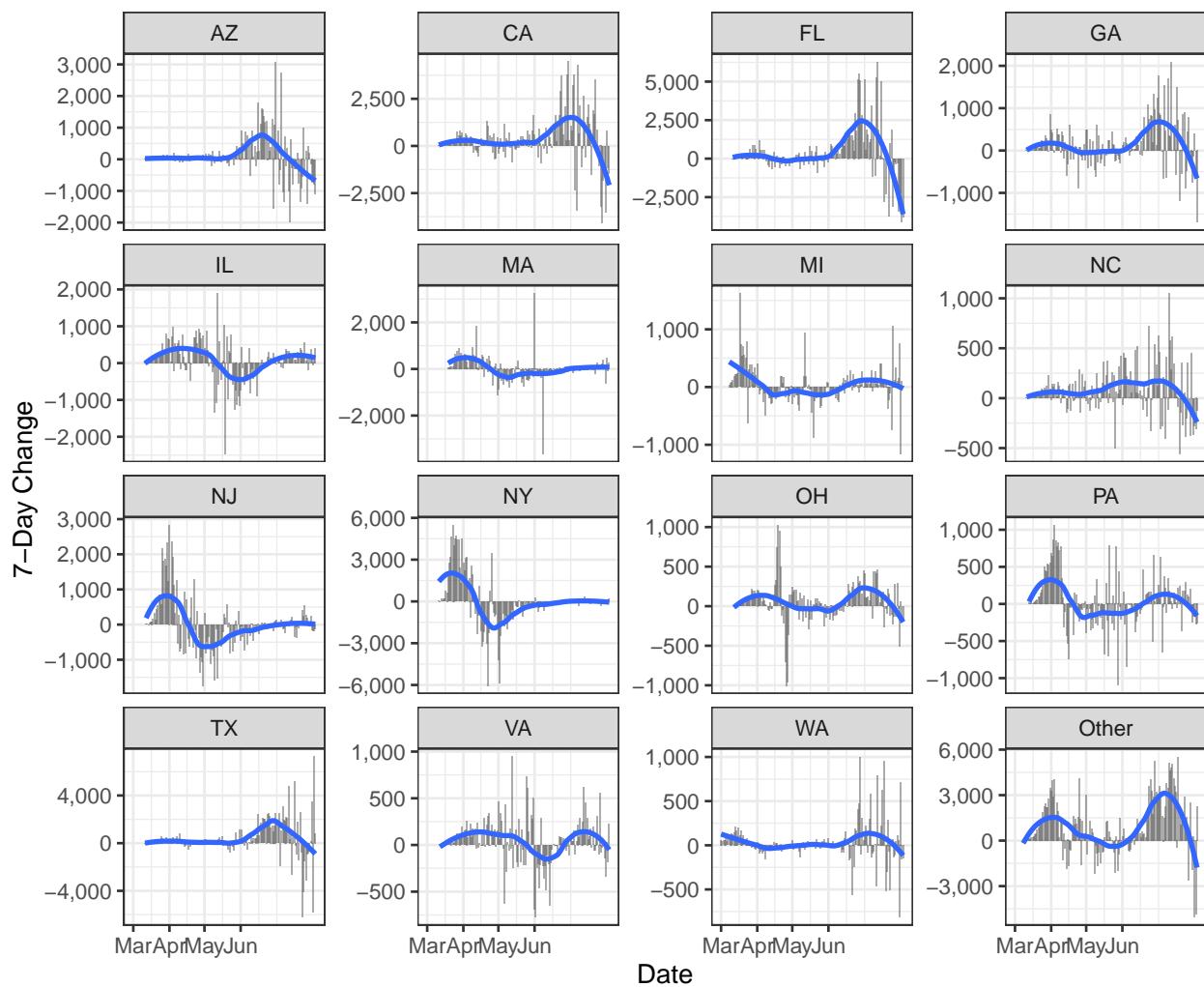
Cases by State

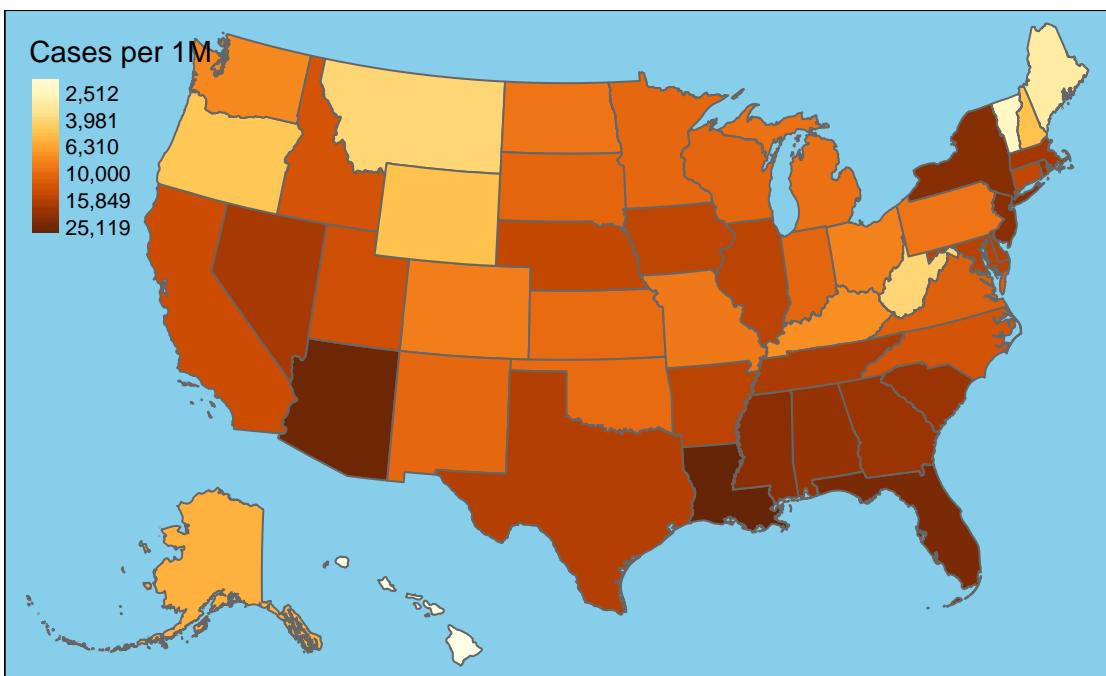
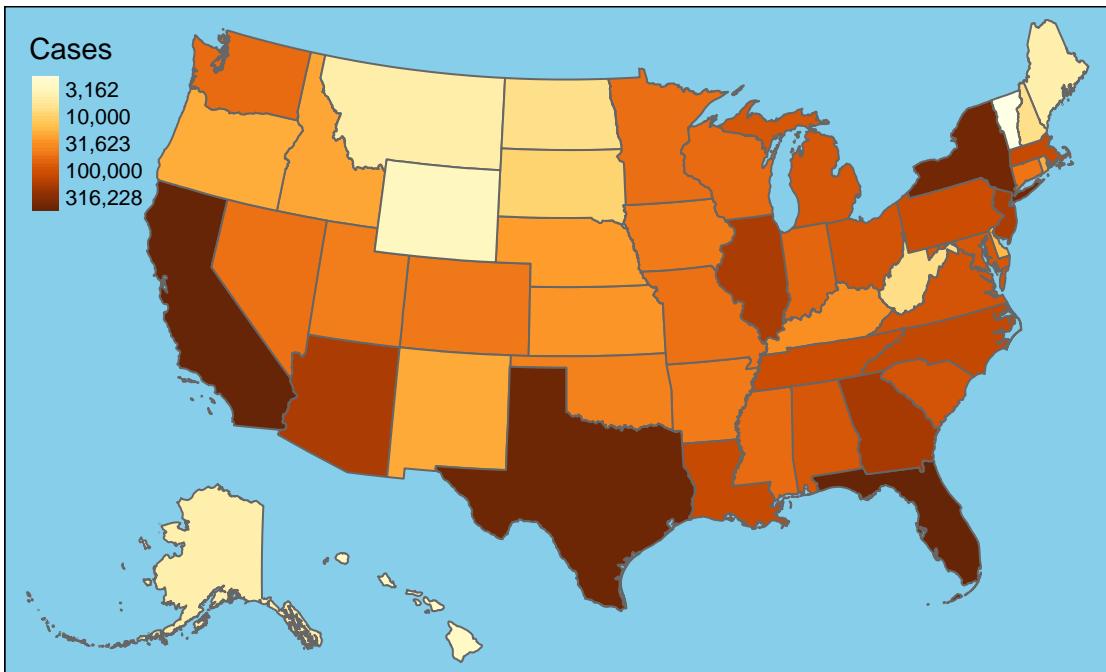


New Cases by State

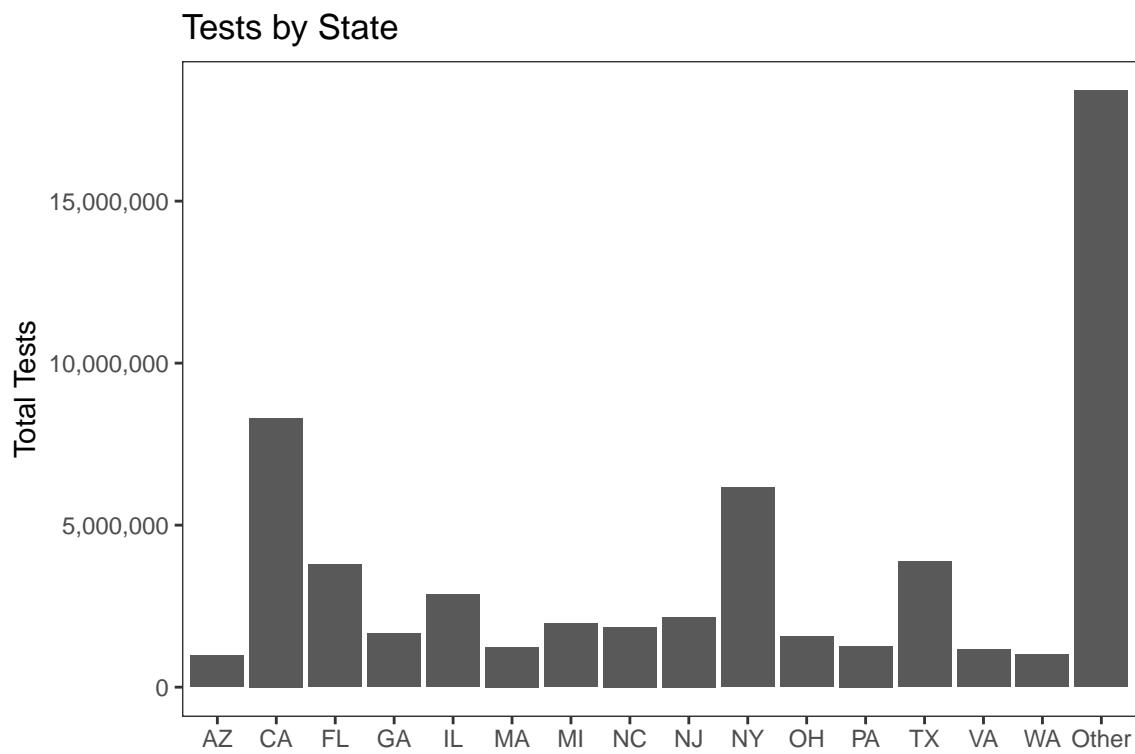


7-Day Change in Daily Cases

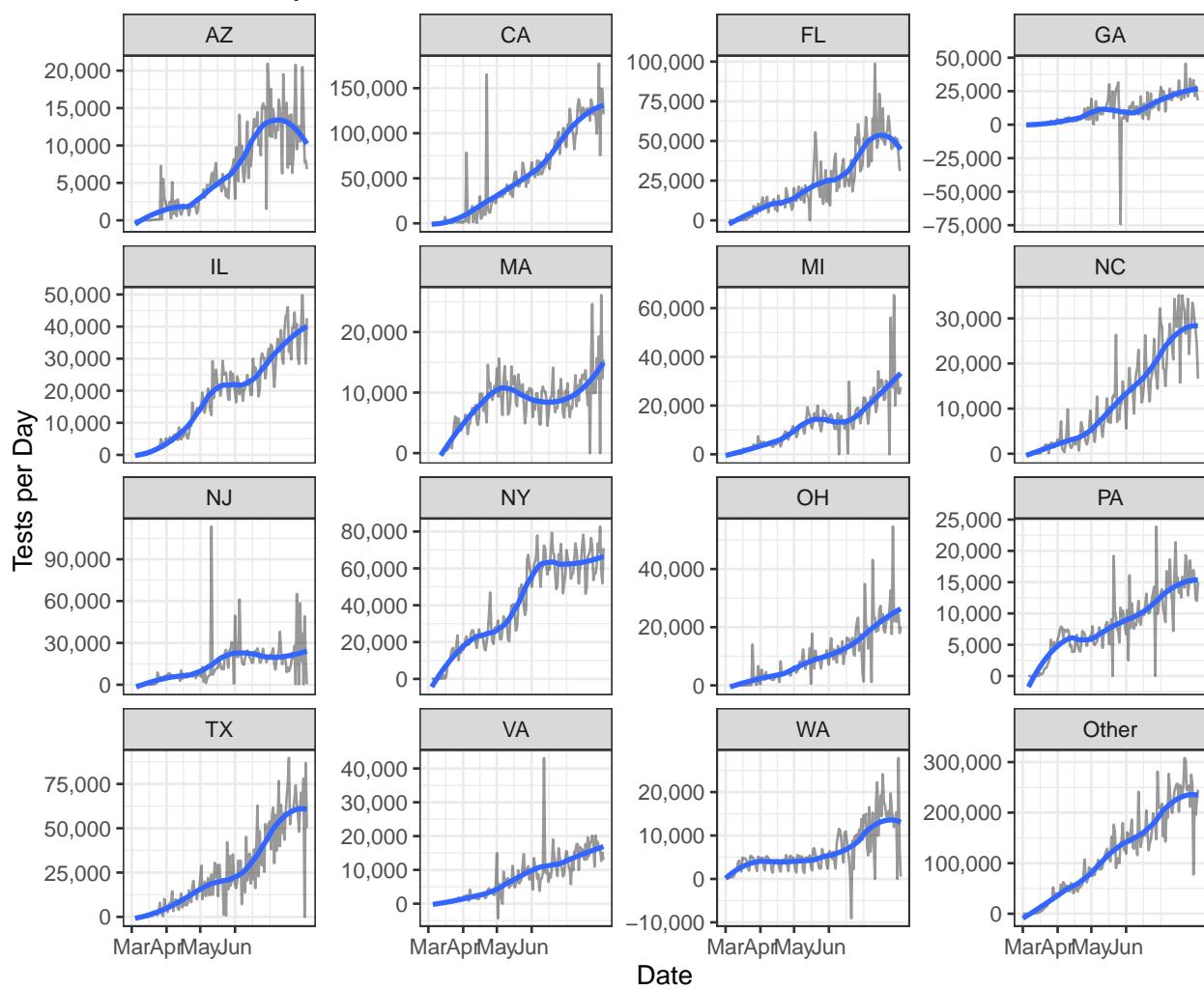


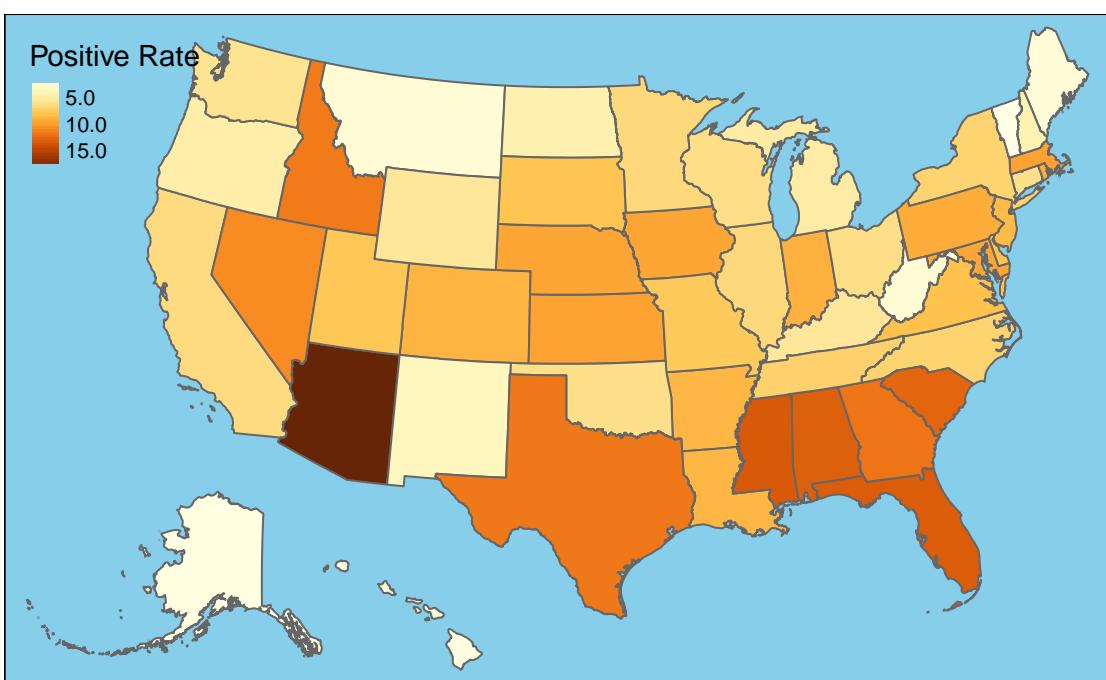
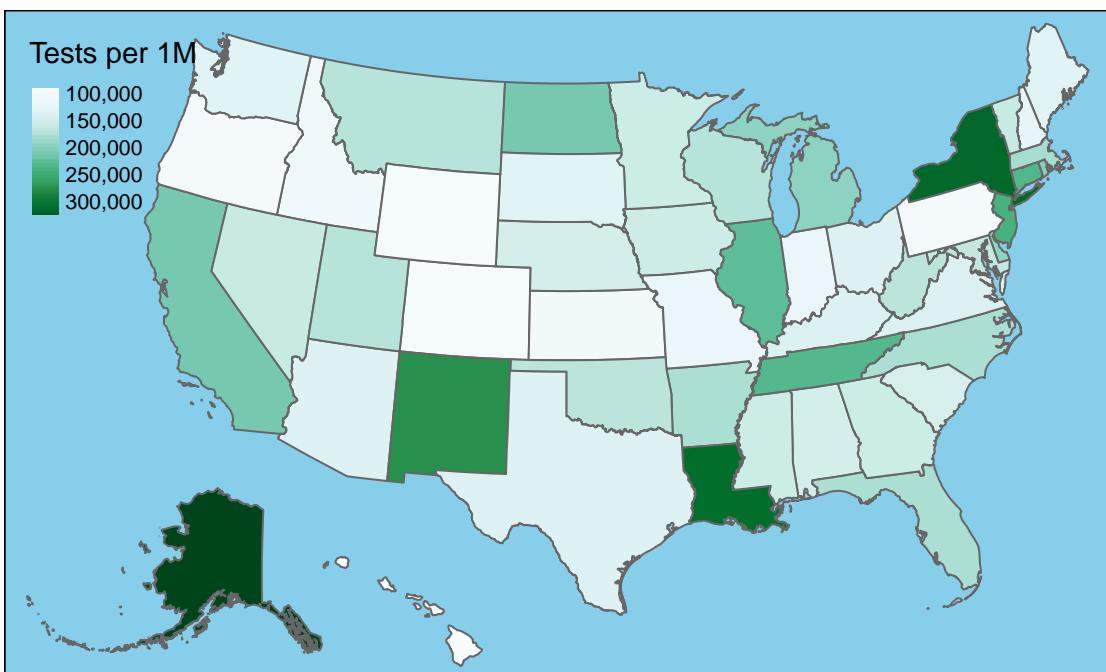


Testing

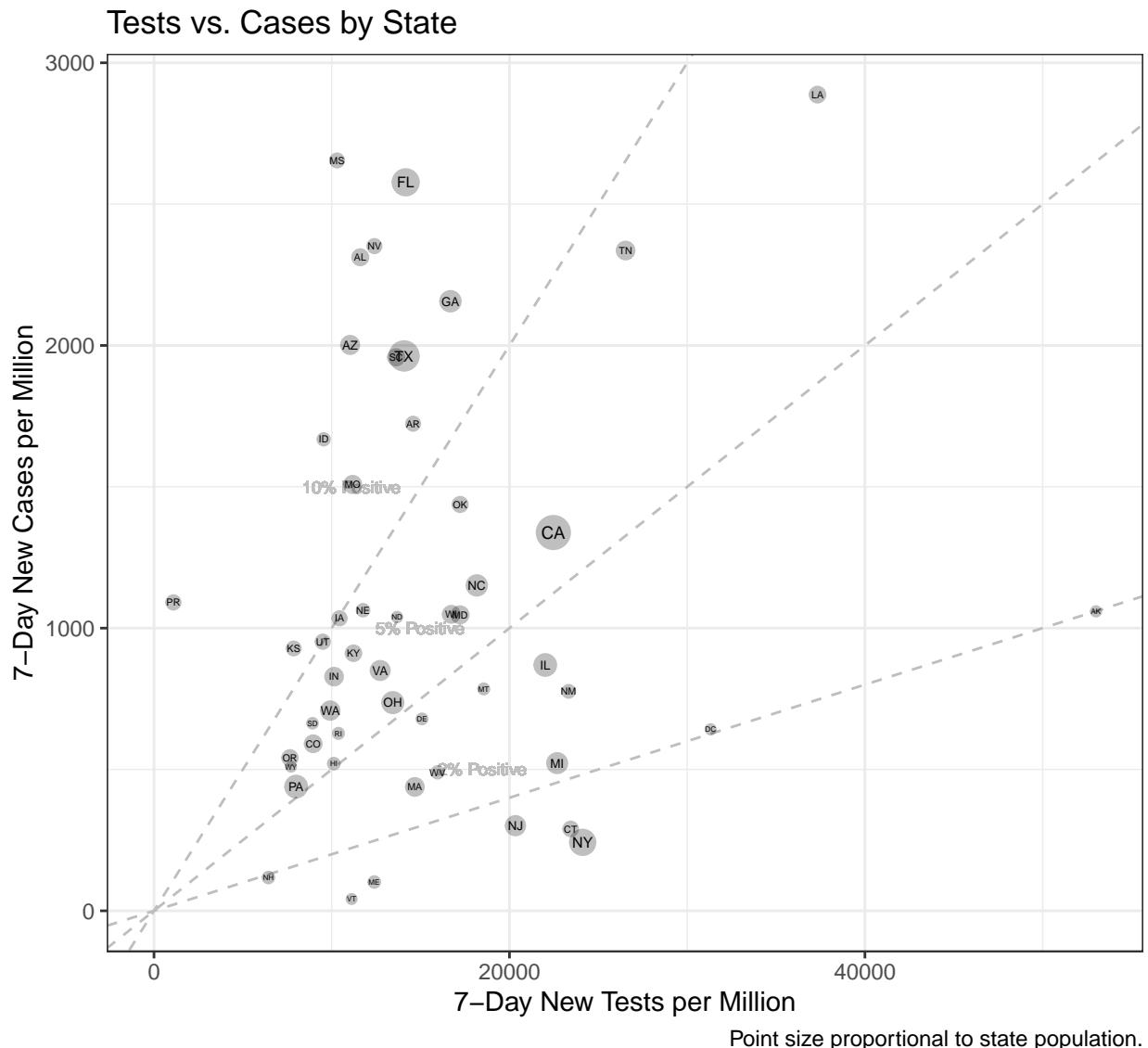


New Tests by State





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.



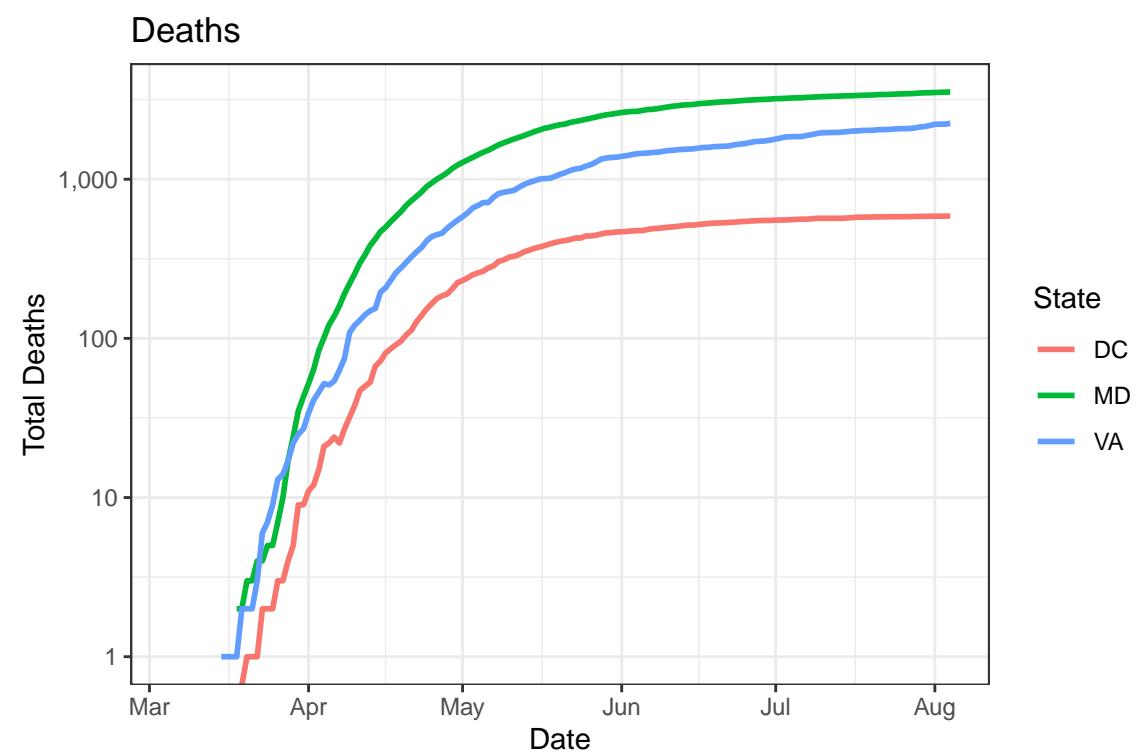
Local Data

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

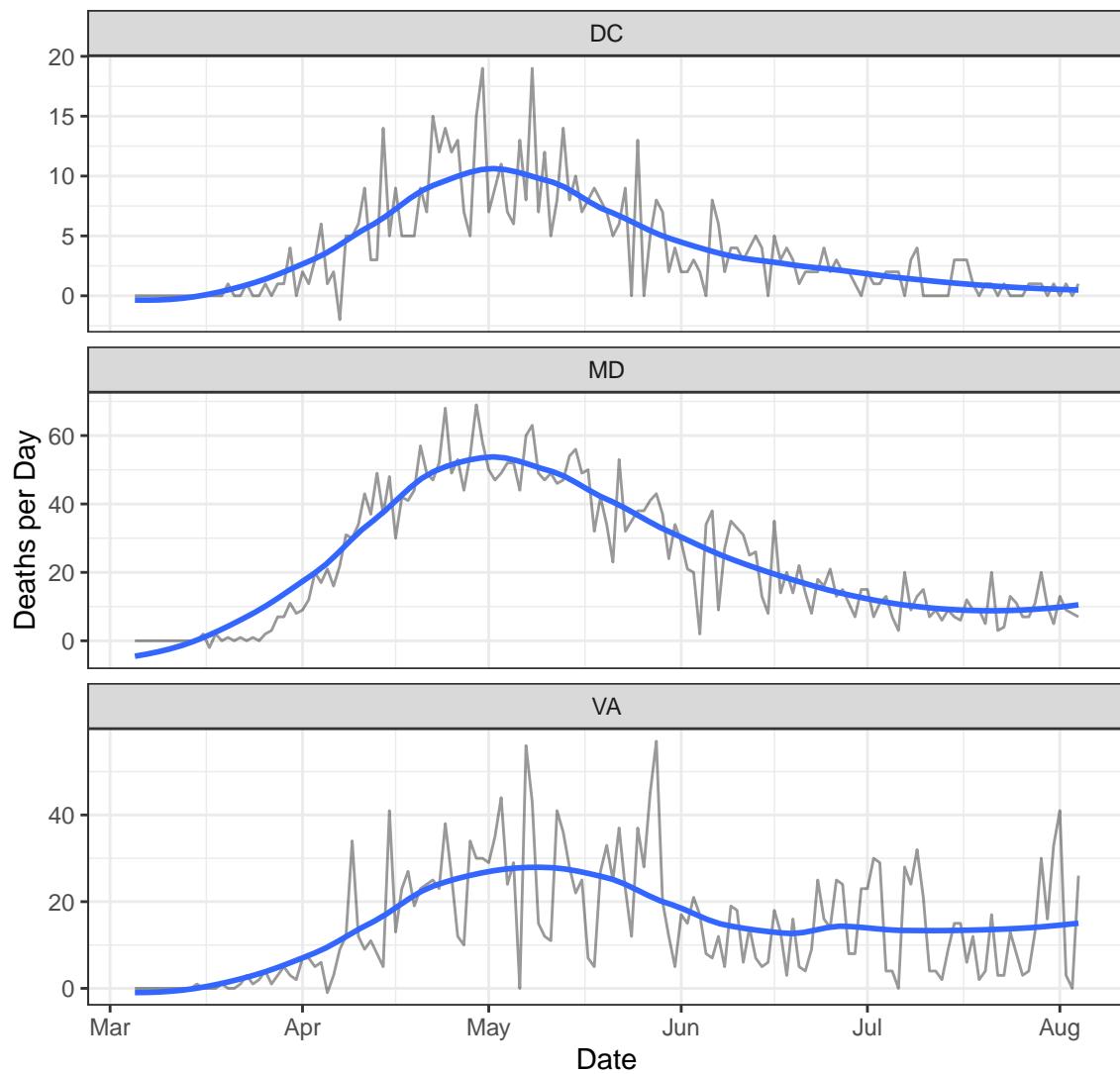
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	12,398	587	85	1
MD	91,854	3,530	710	7
VA	94,251	2,244	1,145	26

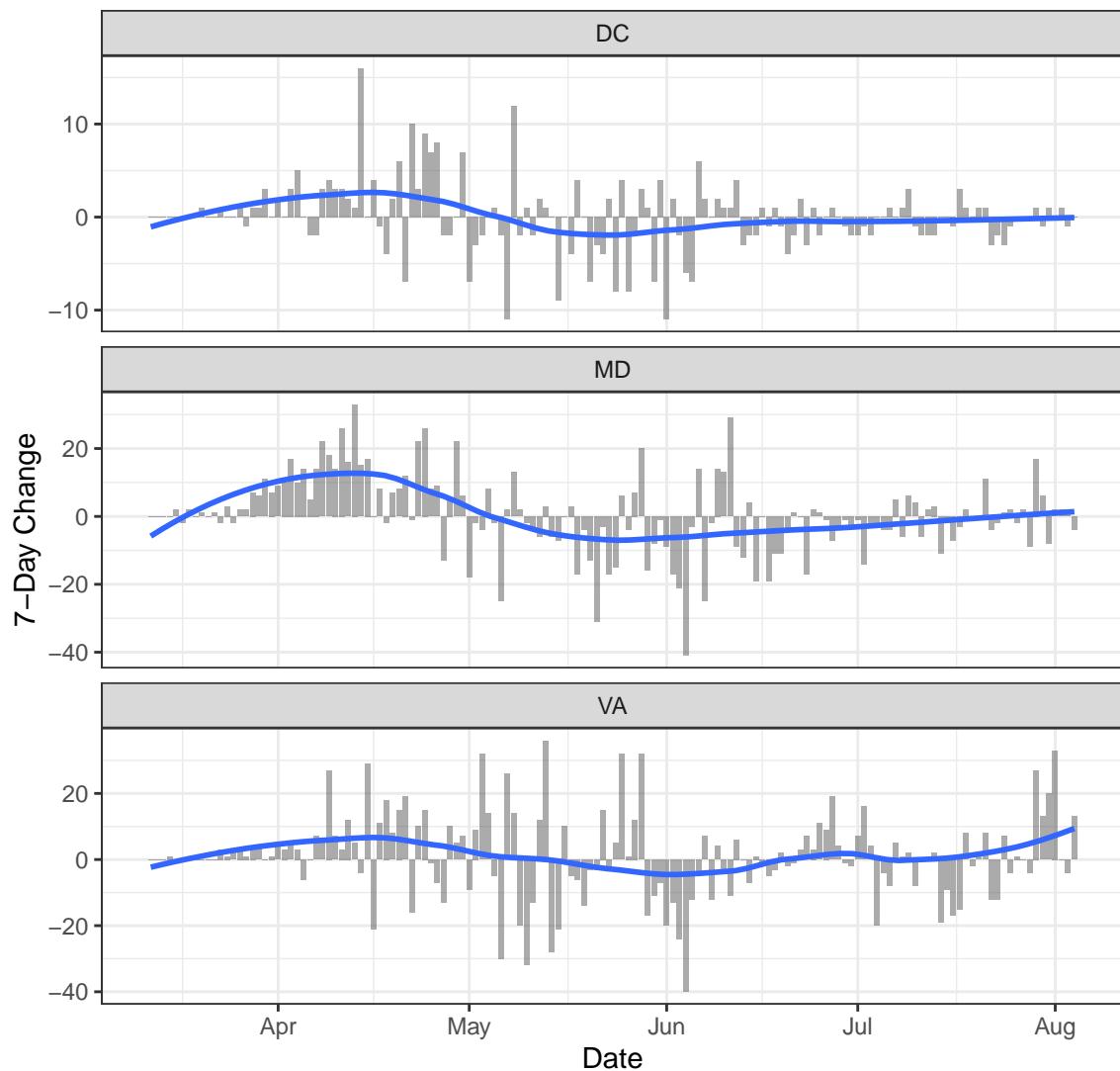
Deaths

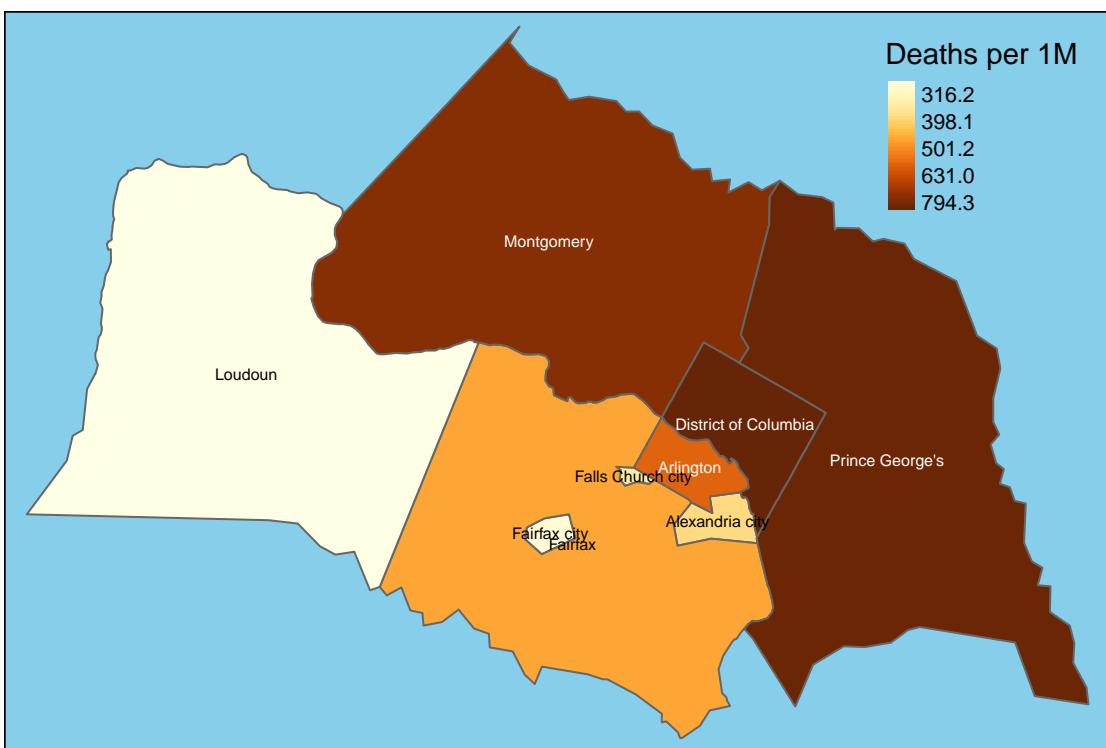
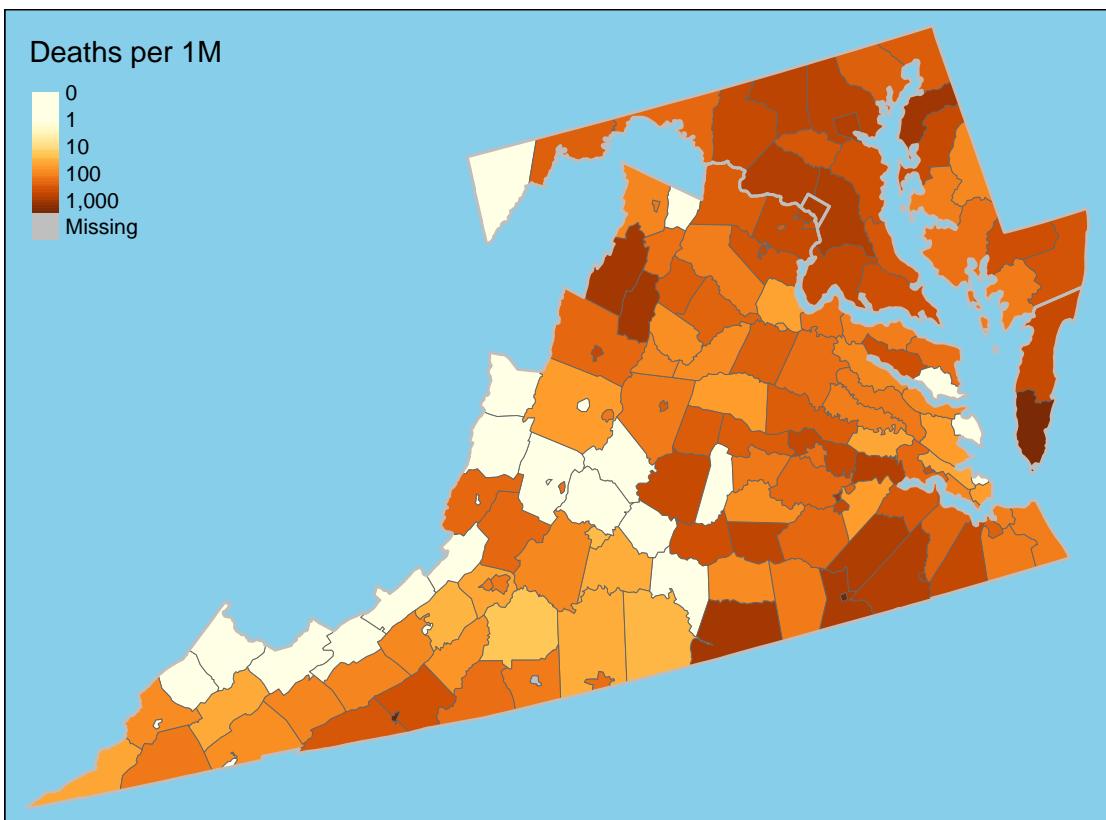


New Deaths

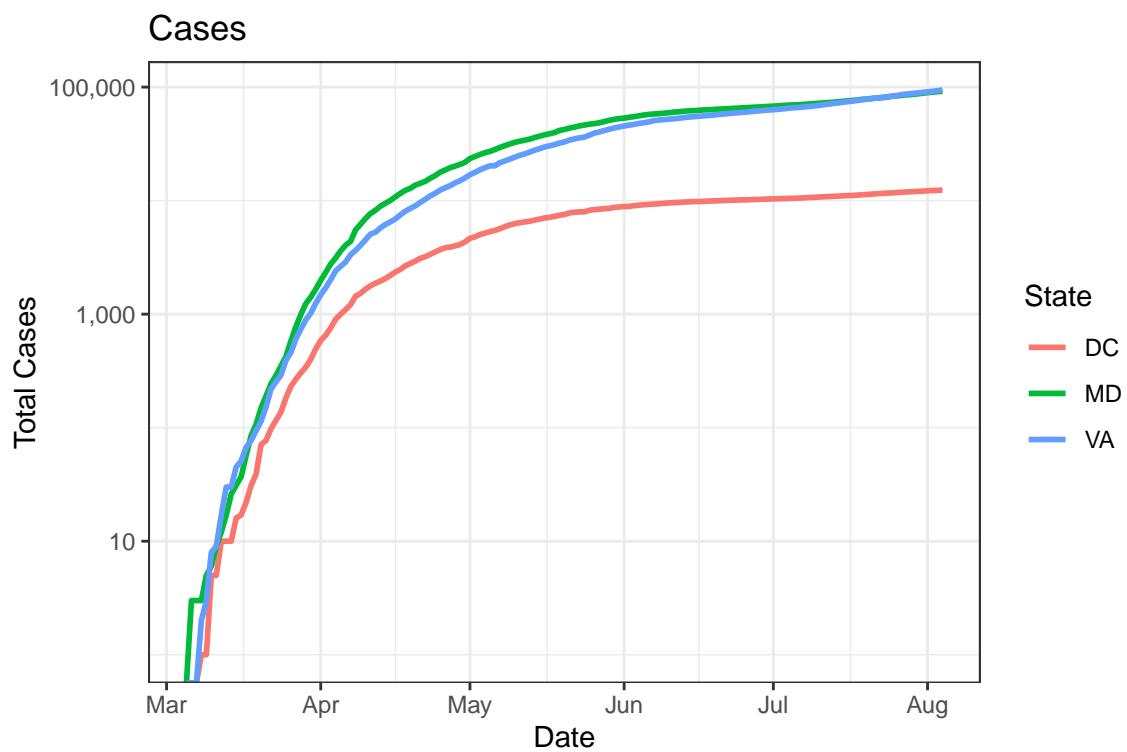


One-Week Change in Daily Deaths

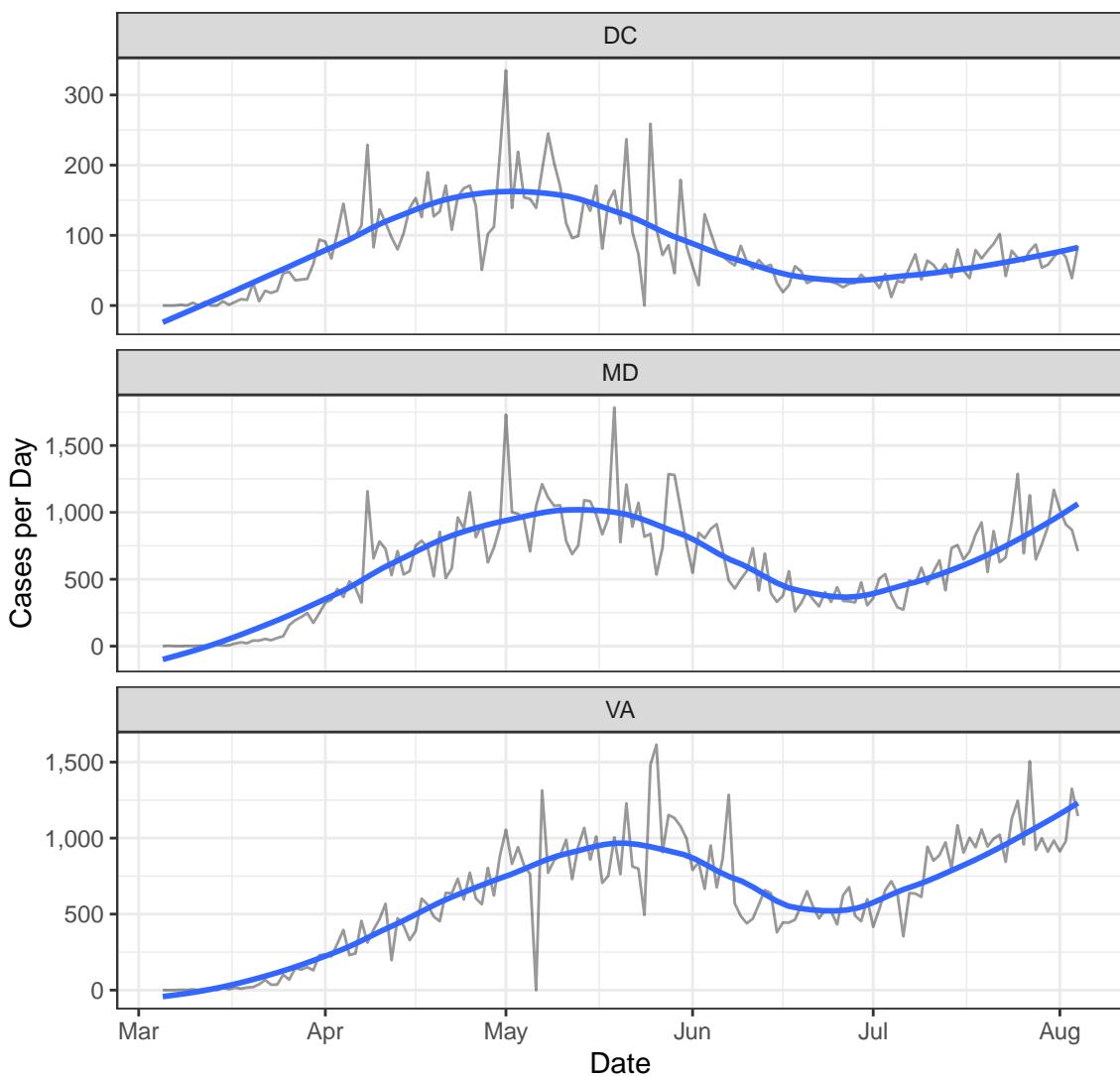




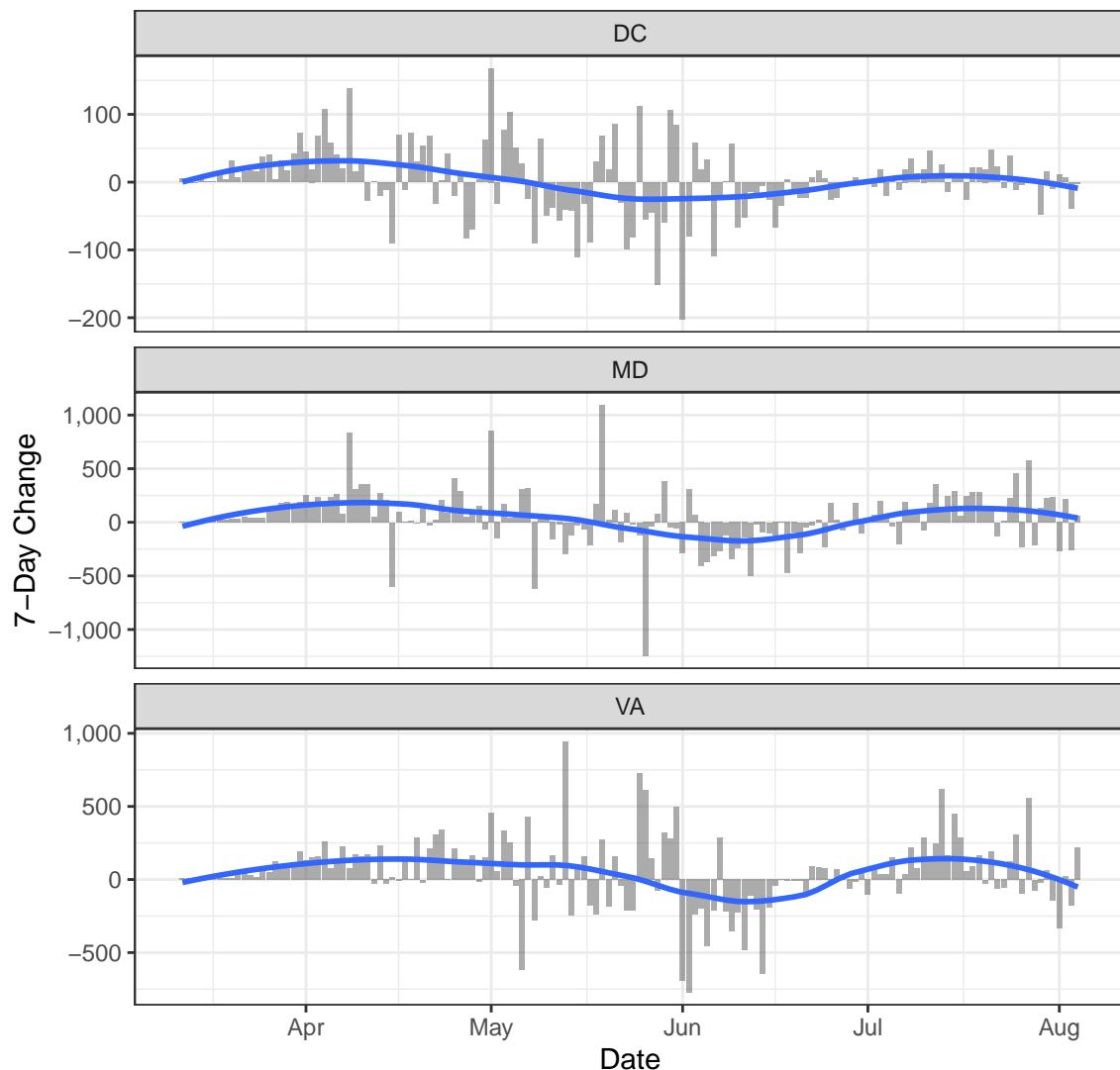
Cases

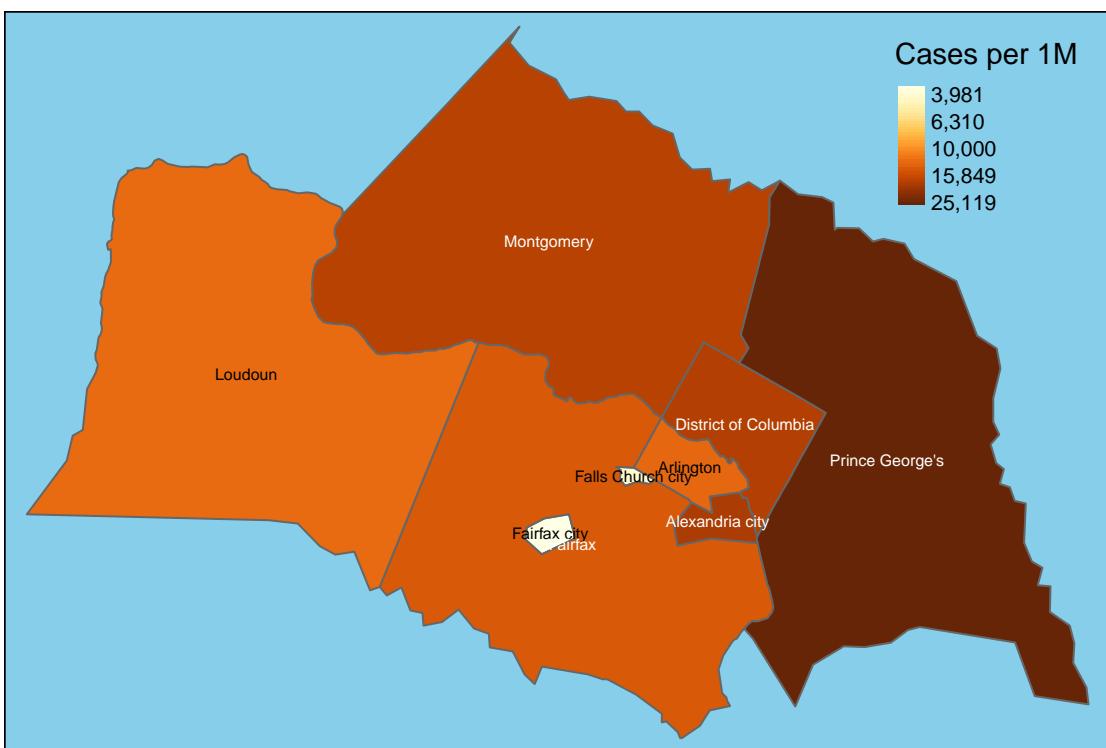
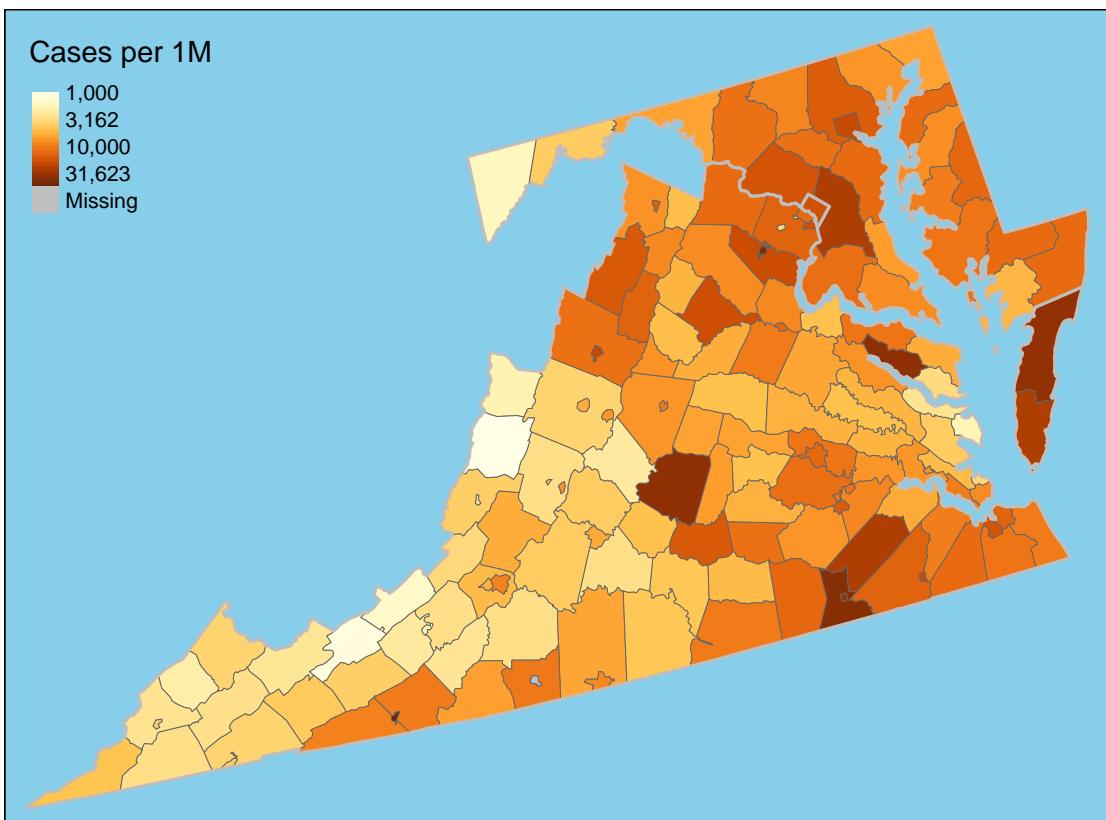


New Cases

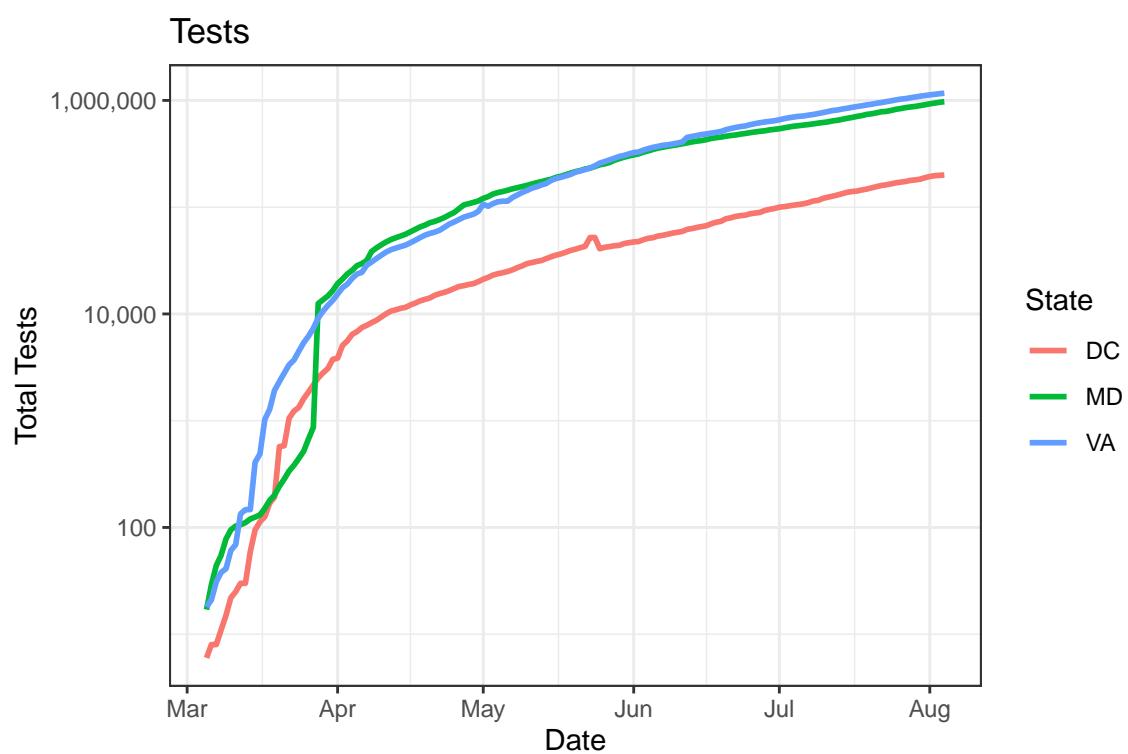


One-Week Change in Daily Cases

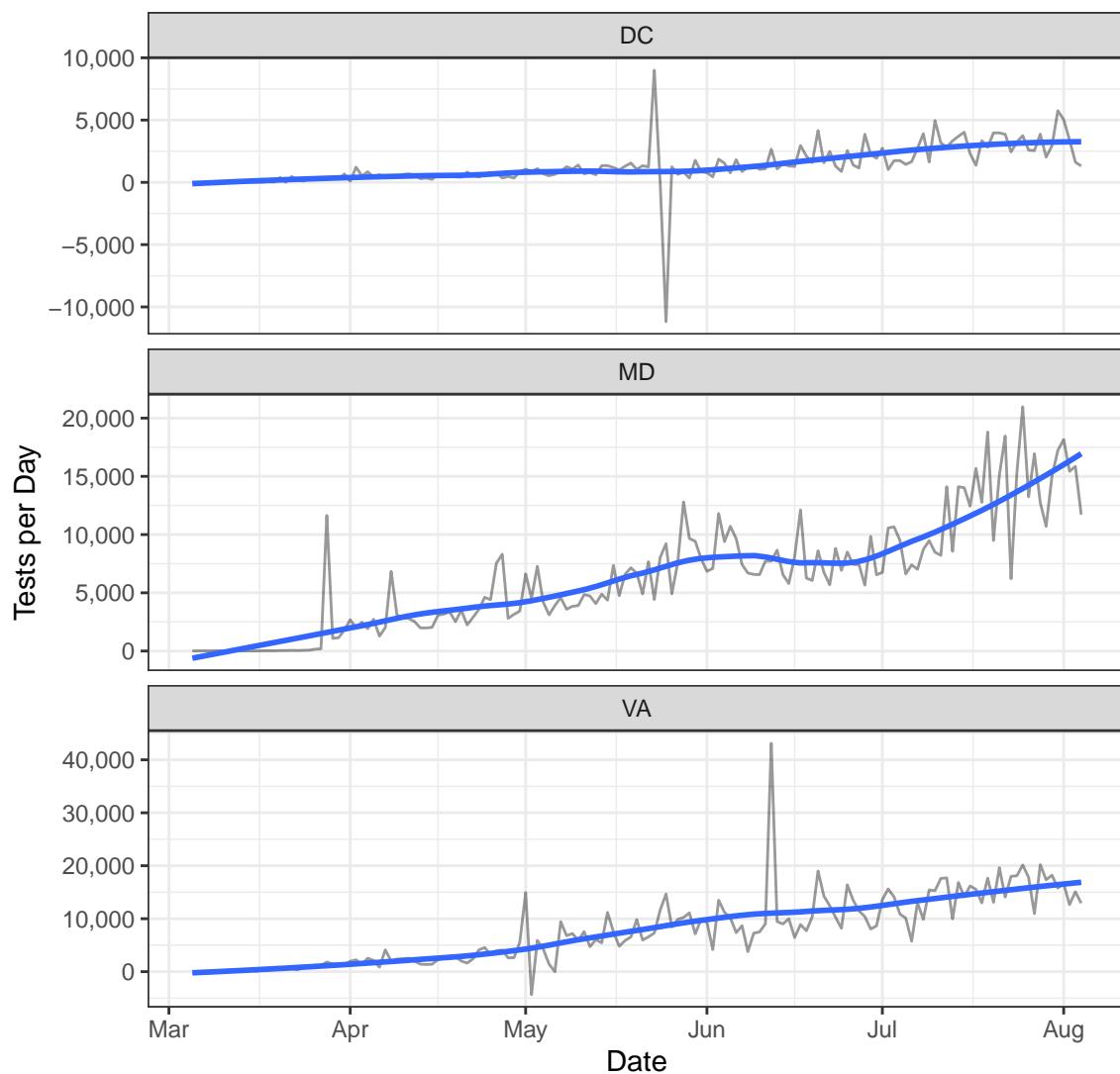




Testing



New Tests



Positive Test Rate

