

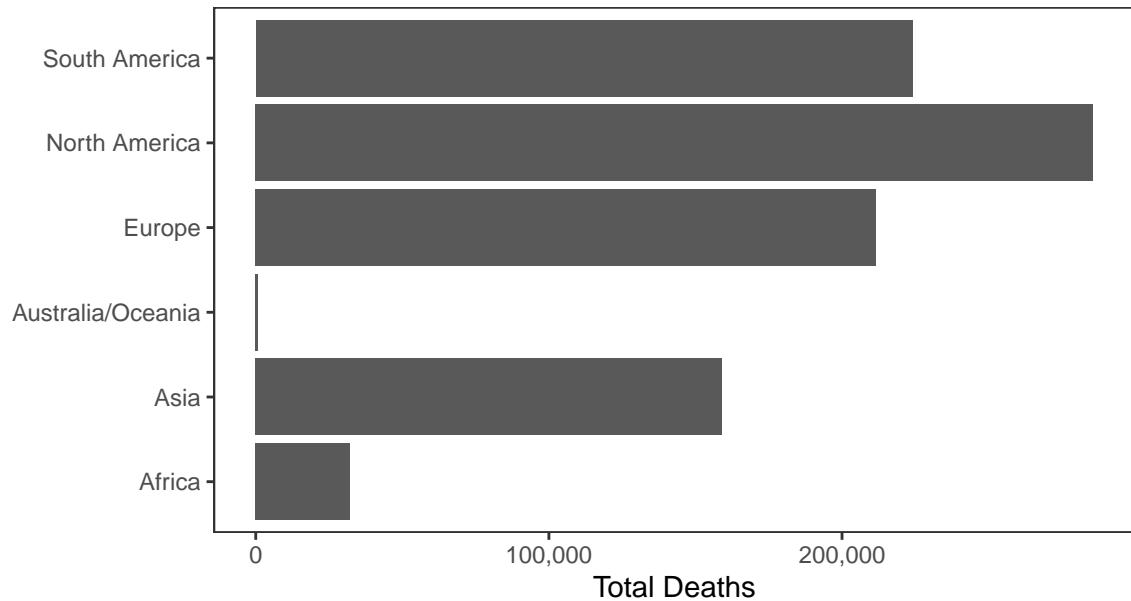
Erik's Covid-19 Chart Pack

Data updated 2020-09-11 09:08:16. 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 28,317,965 confirmed Covid-19 cases and 913,291 deaths worldwide.

Deaths



Cases

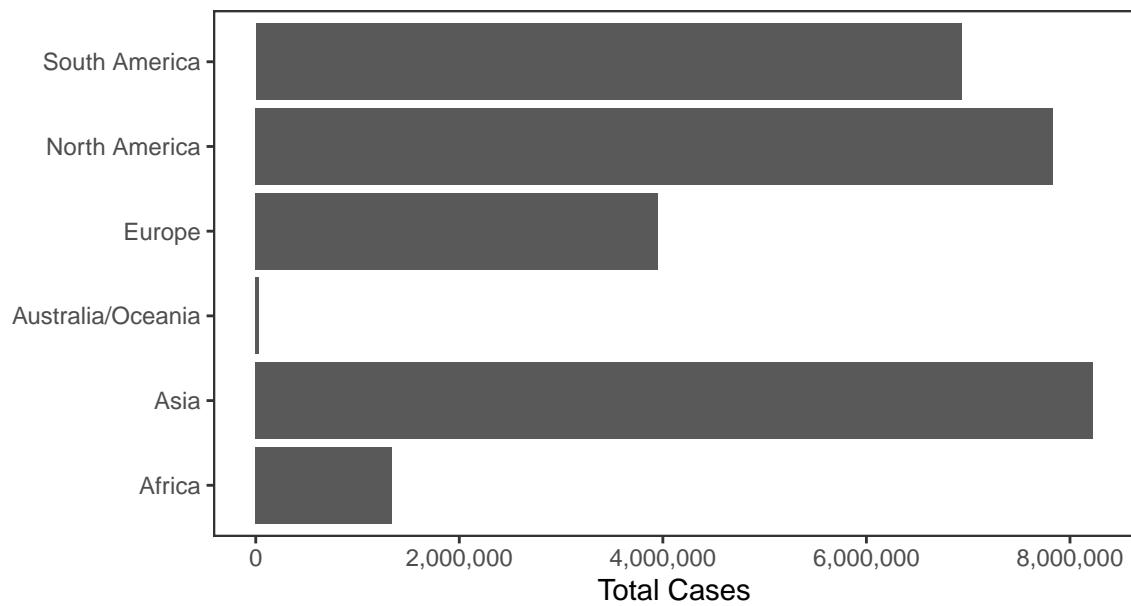
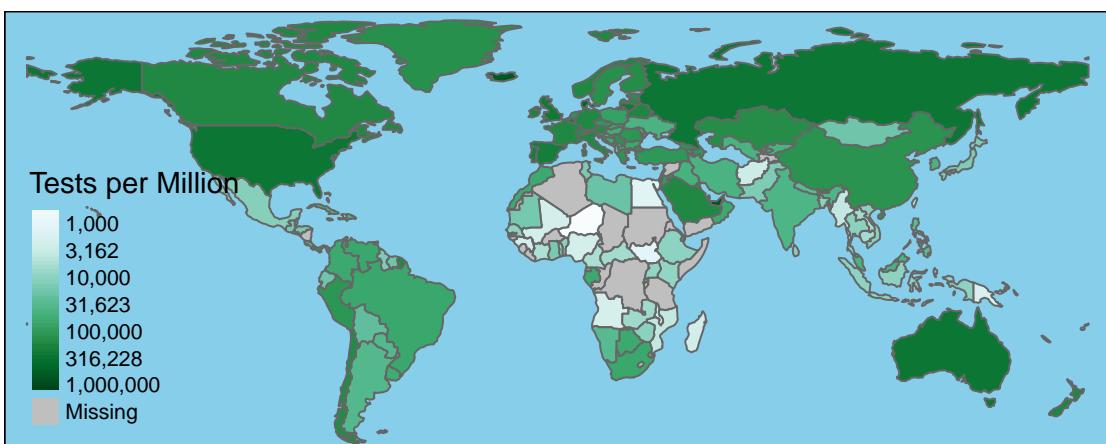
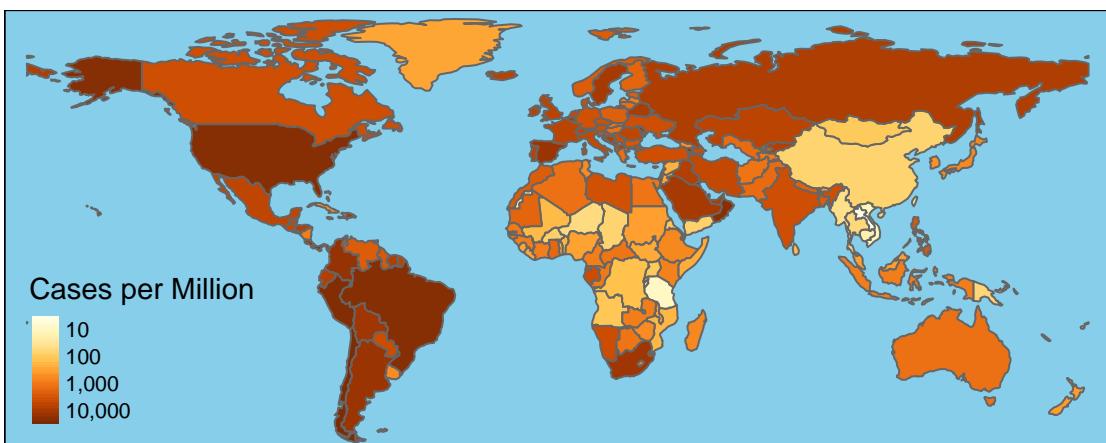
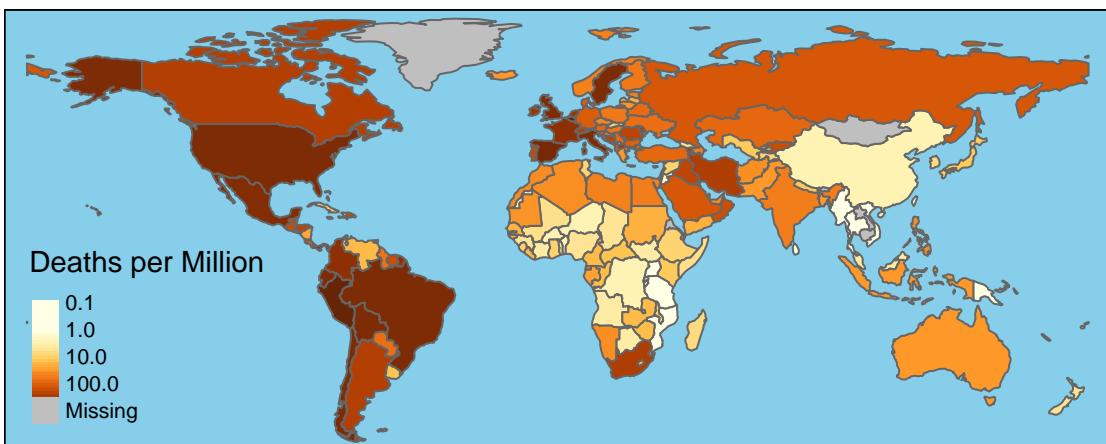


Table 1: Top Countries by Total Cases

Country	Cases	Deaths	New Cases	New Deaths
USA	6,588,163	196,328	38,811	1,090
India	4,559,725	76,304	96,760	1,213
Brazil	4,239,763	129,575	40,431	922
Russia	1,046,370	18,263	5,363	128
Peru	710,067	30,344	7,291	108
Colombia	694,664	22,275	7,808	222
Mexico	647,507	69,095	4,647	611
South Africa	644,438	15,265	2,007	97
Spain	554,143	29,699	10,764	71
Argentina	524,198	10,907	11,905	249
Chile	428,669	11,781	1,642	79
Iran	395,488	22,798	2,063	129
UK	358,138	41,608	2,919	14
France	353,944	30,813	9,843	19
Bangladesh	332,970	4,634	1,892	41
Saudi Arabia	323,720	4,189	708	24
Pakistan	299,855	6,365	196	6
Turkey	286,455	6,895	1,512	58
Italy	283,180	35,587	1,597	10
Iraq	278,418	7,814	4,597	82



National Data

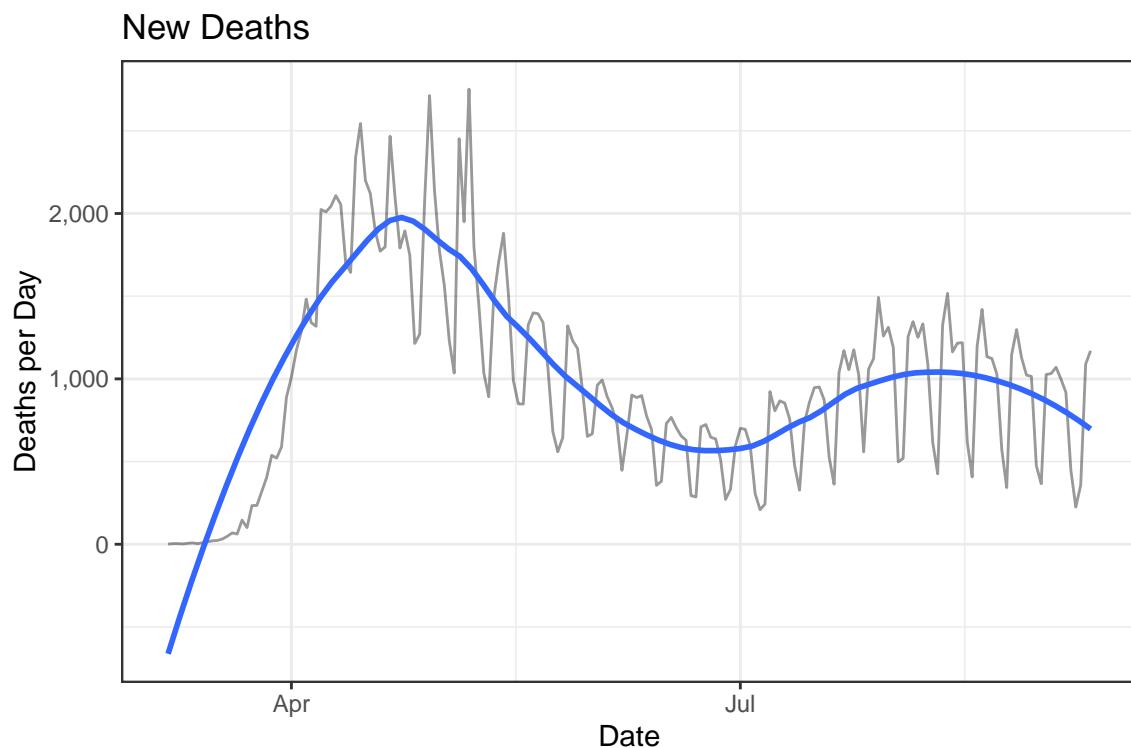
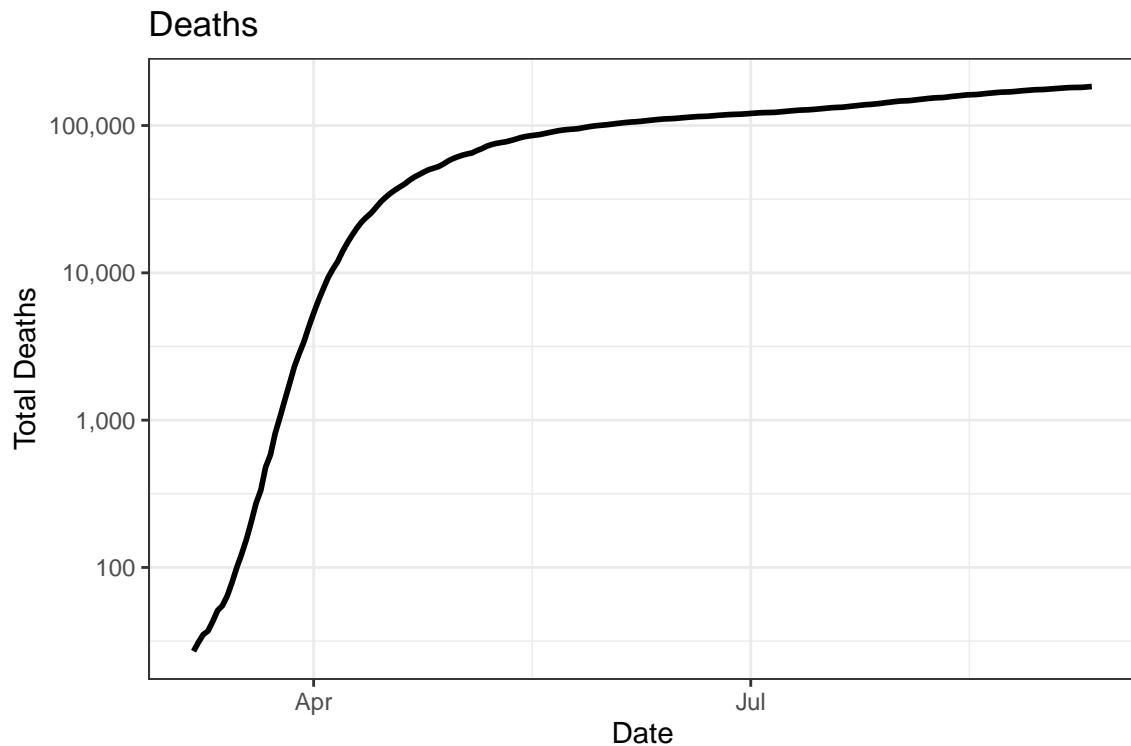
There have been 6,366,986 confirmed Covid-19 cases and 183,949 deaths in the United States.

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

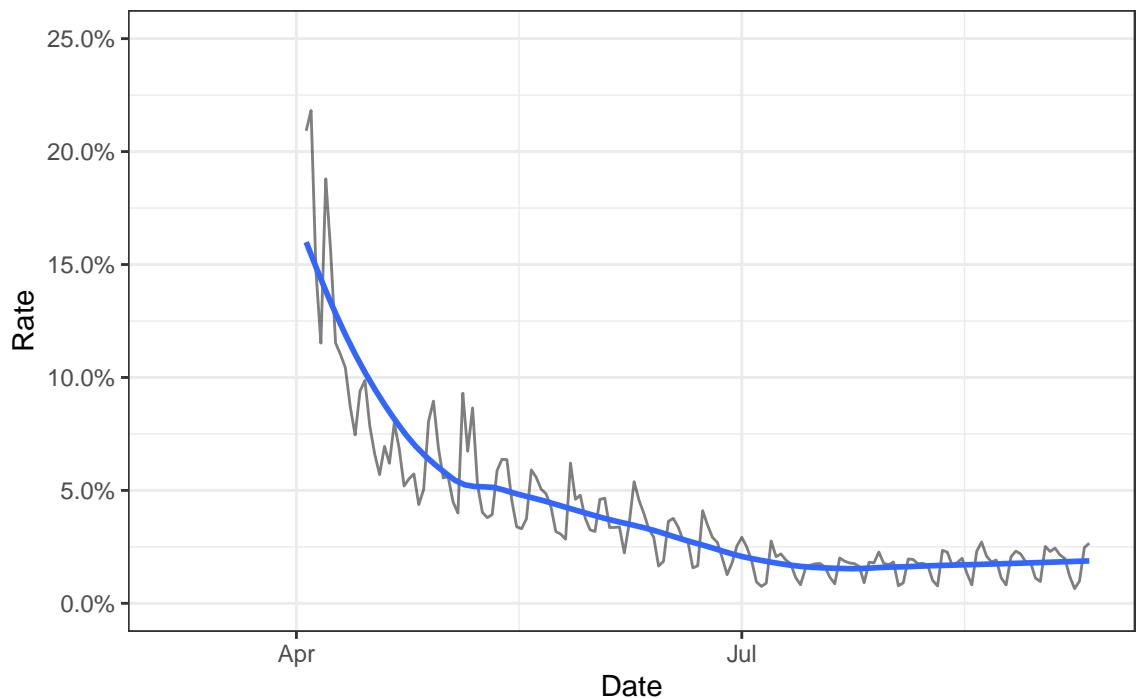
Date	Cases	Deaths	New Cases	New Deaths
2020-09-10	6,366,986	183,949	37,581	1,170
2020-09-09	6,329,405	182,779	30,983	1,089
2020-09-08	6,298,422	181,690	22,219	358
2020-09-07	6,276,203	181,332	28,681	225
2020-09-06	6,247,522	181,107	33,115	449
2020-09-05	6,214,407	180,658	44,910	918
2020-09-04	6,169,497	179,740	51,593	998
2020-09-03	6,117,904	178,742	44,717	1,070
2020-09-02	6,073,187	177,672	30,604	1,032
2020-09-01	6,042,583	176,640	42,423	1,027
2020-08-31	6,000,160	175,613	31,406	366
2020-08-30	5,968,754	175,247	39,498	475
2020-08-29	5,929,256	174,772	44,502	1,015
2020-08-28	5,884,754	173,757	46,546	1,023

Deaths

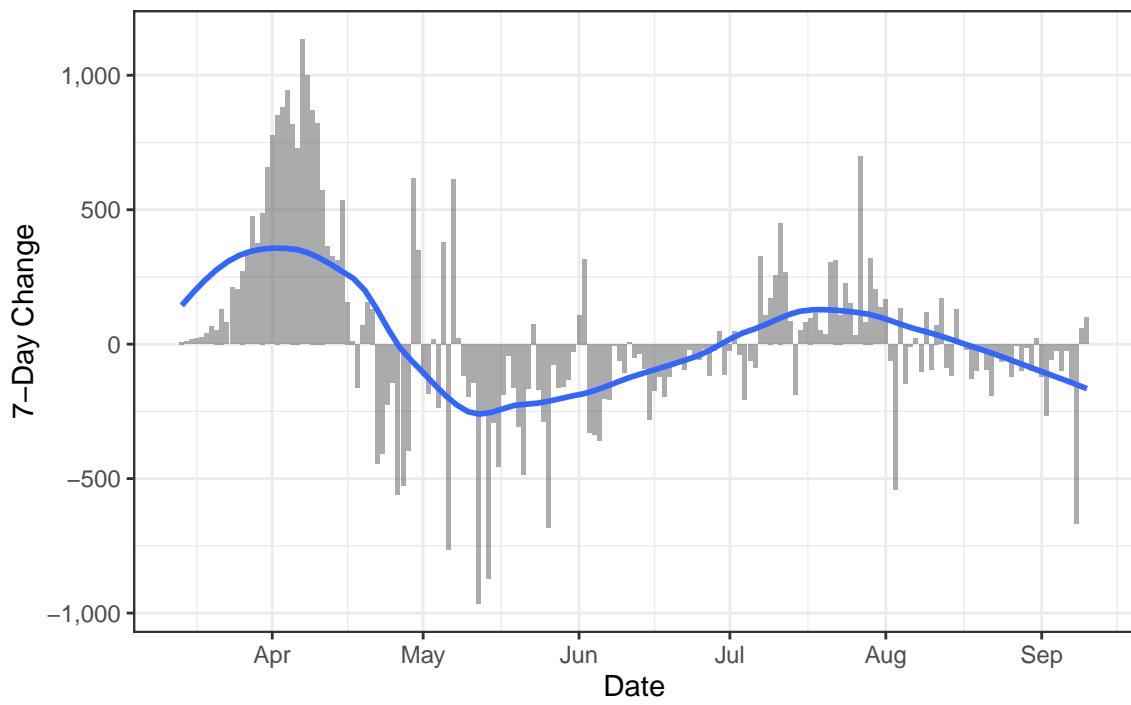
Because the effects of the virus can take several weeks to manifest in patients, deaths are a lagging indicator of contagion, but they may be a more reliable than case counts, which are a function of both the prevalence of the disease and the rate of testing. The case mortality rate is a very crude indicator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

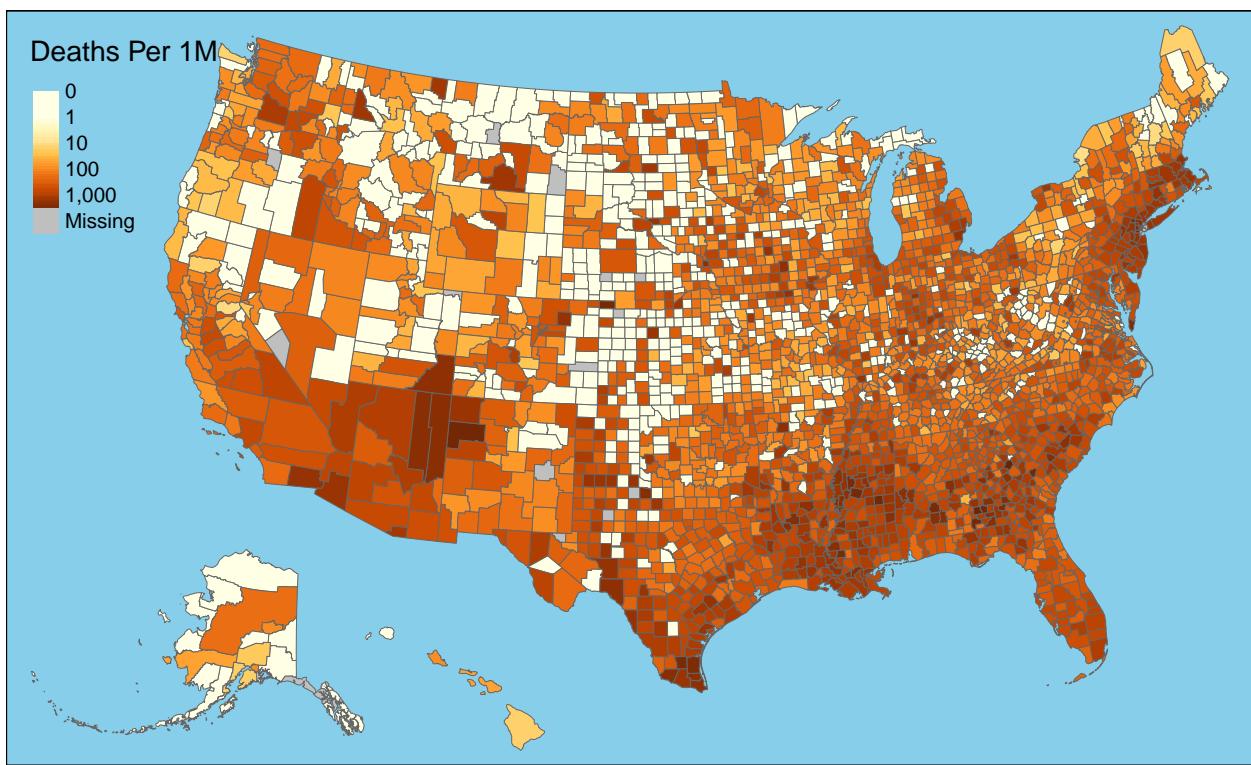


Daily Case Mortality Rate



One-Week Change in Daily Deaths

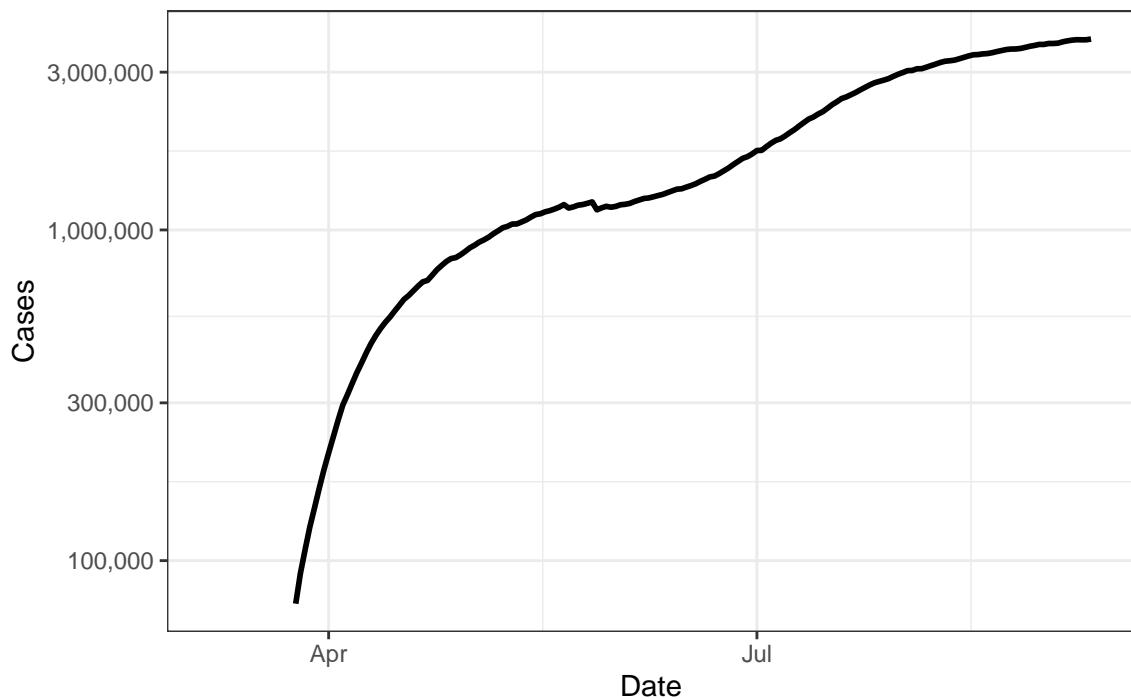




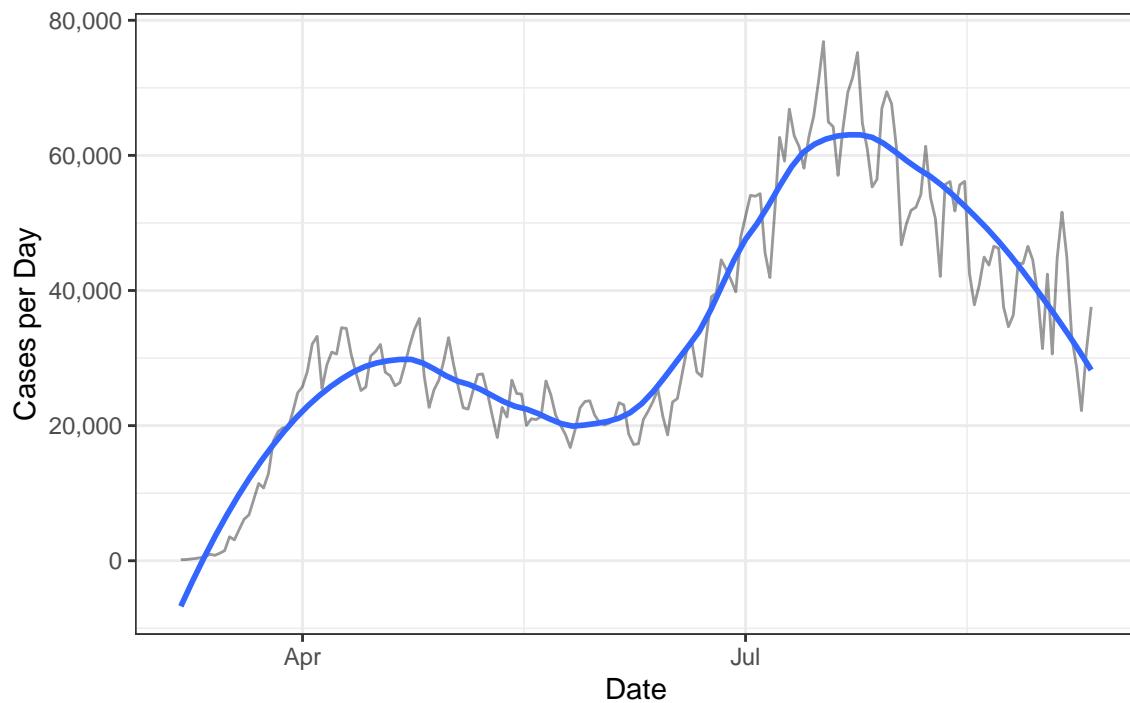
Cases

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

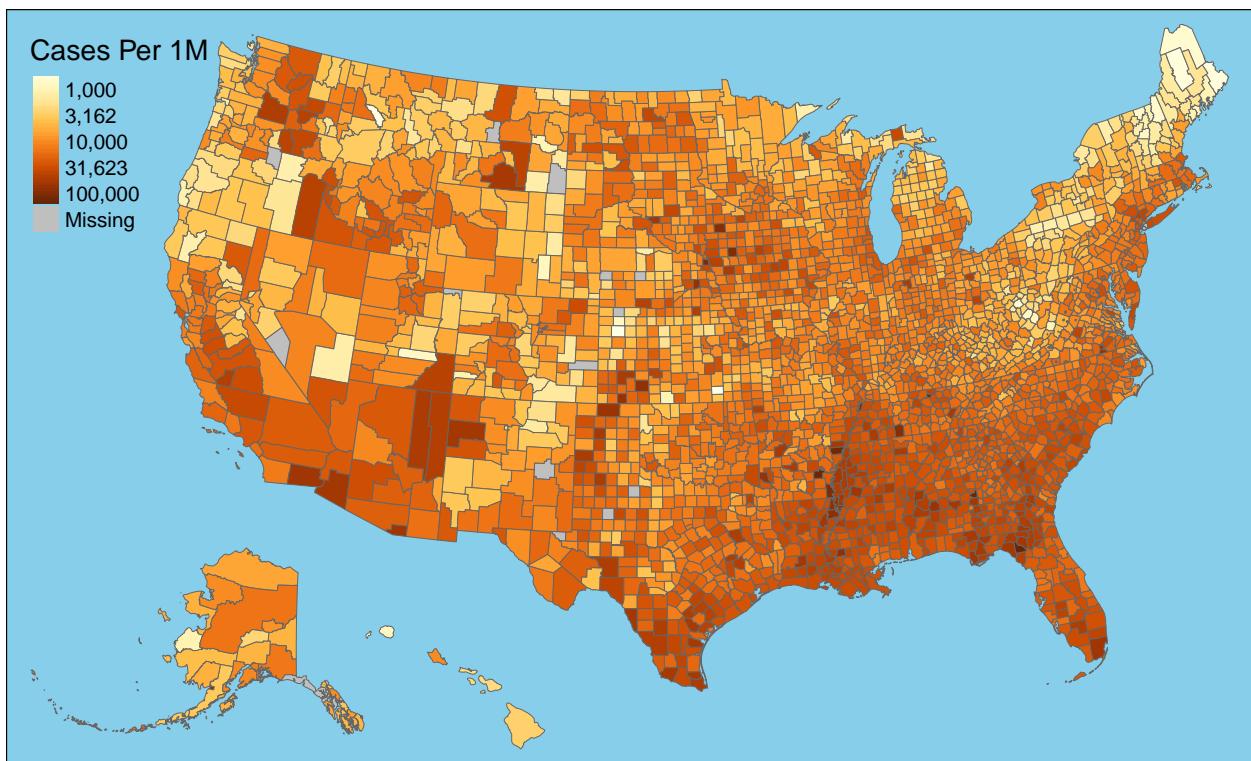
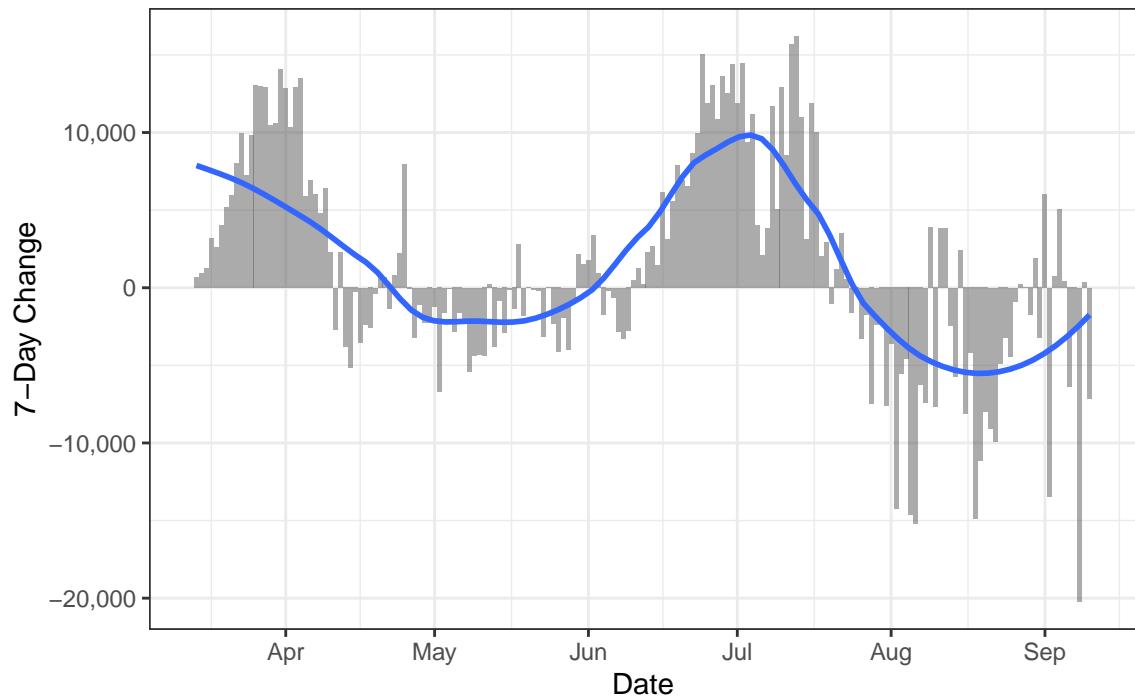
Active Cases



New Cases

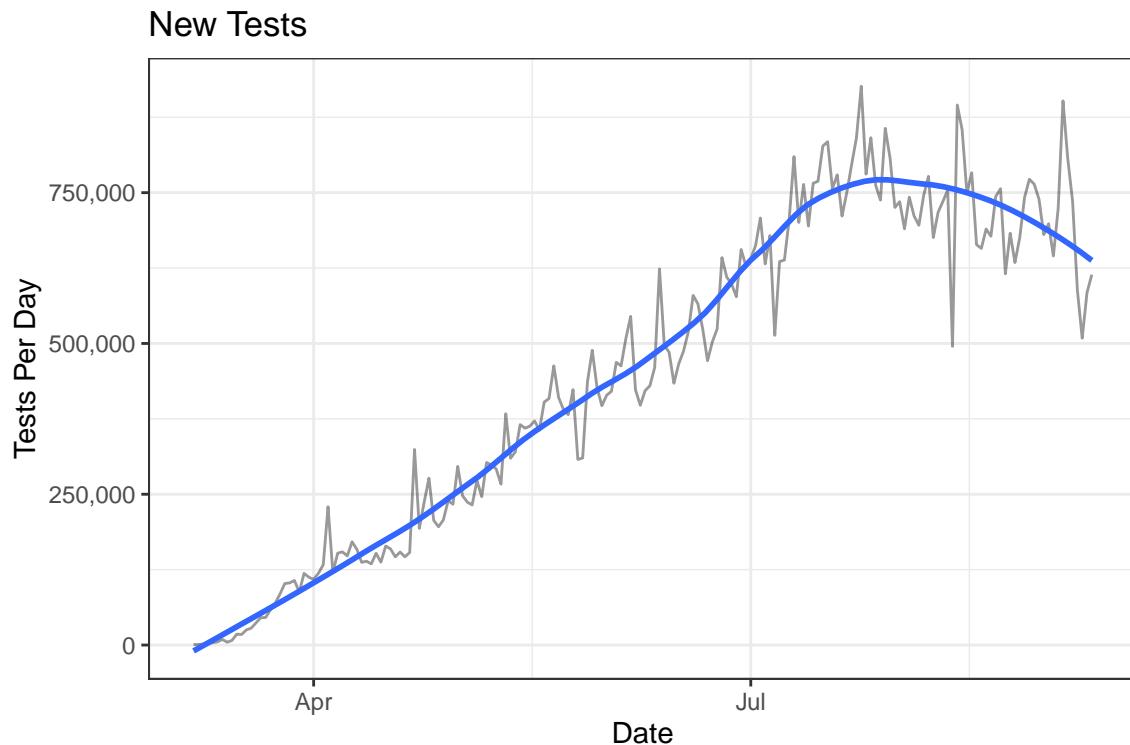
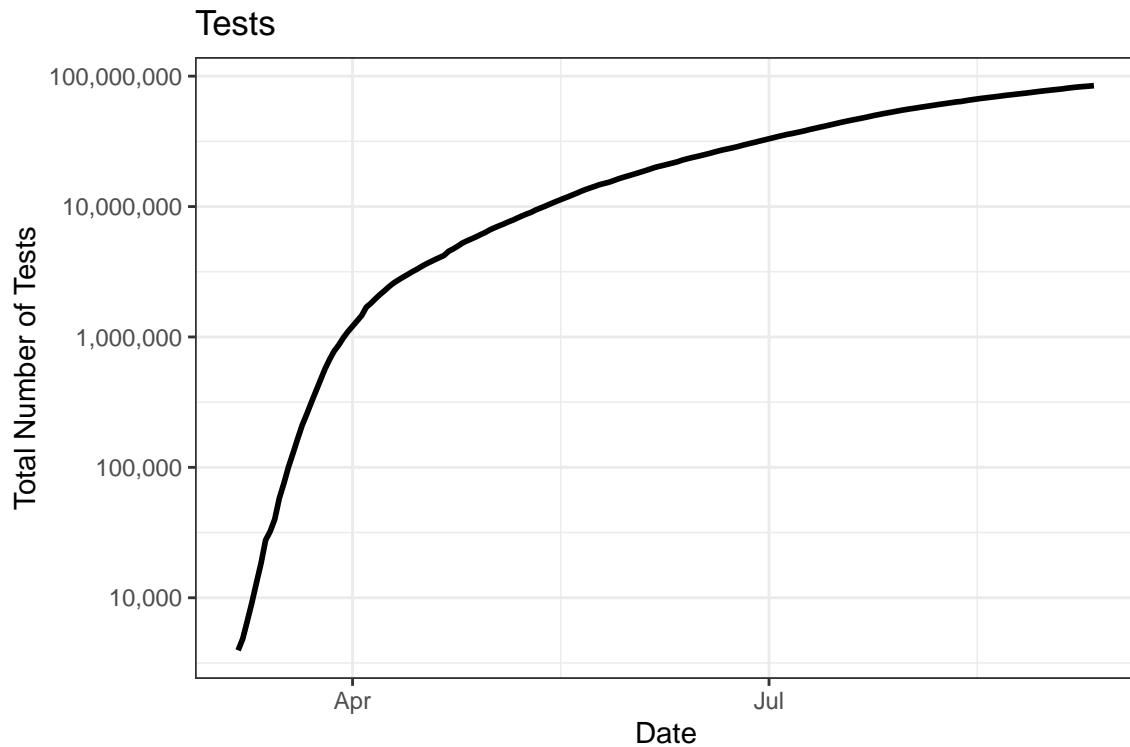


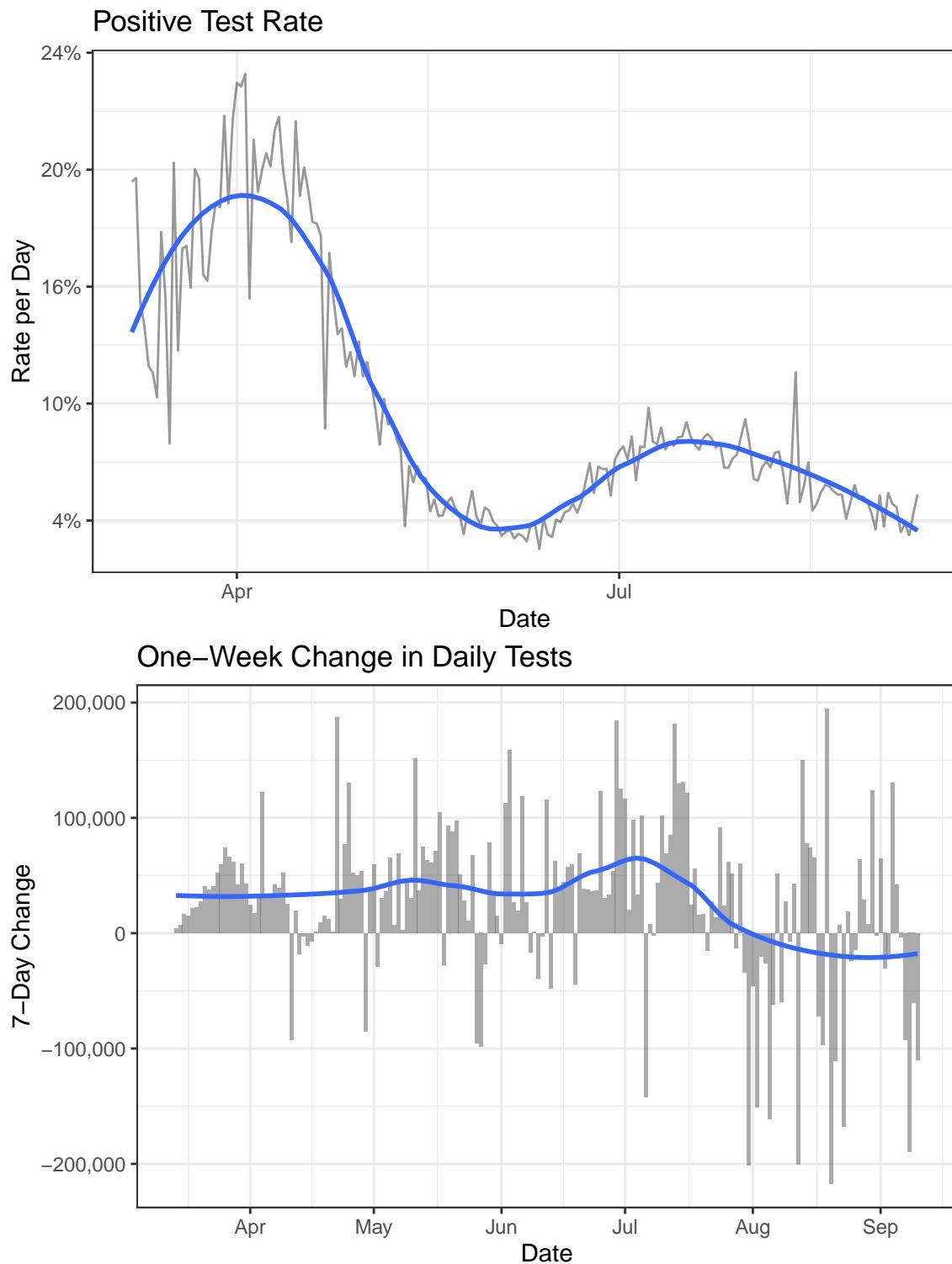
One-Week Change in Daily Cases



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.



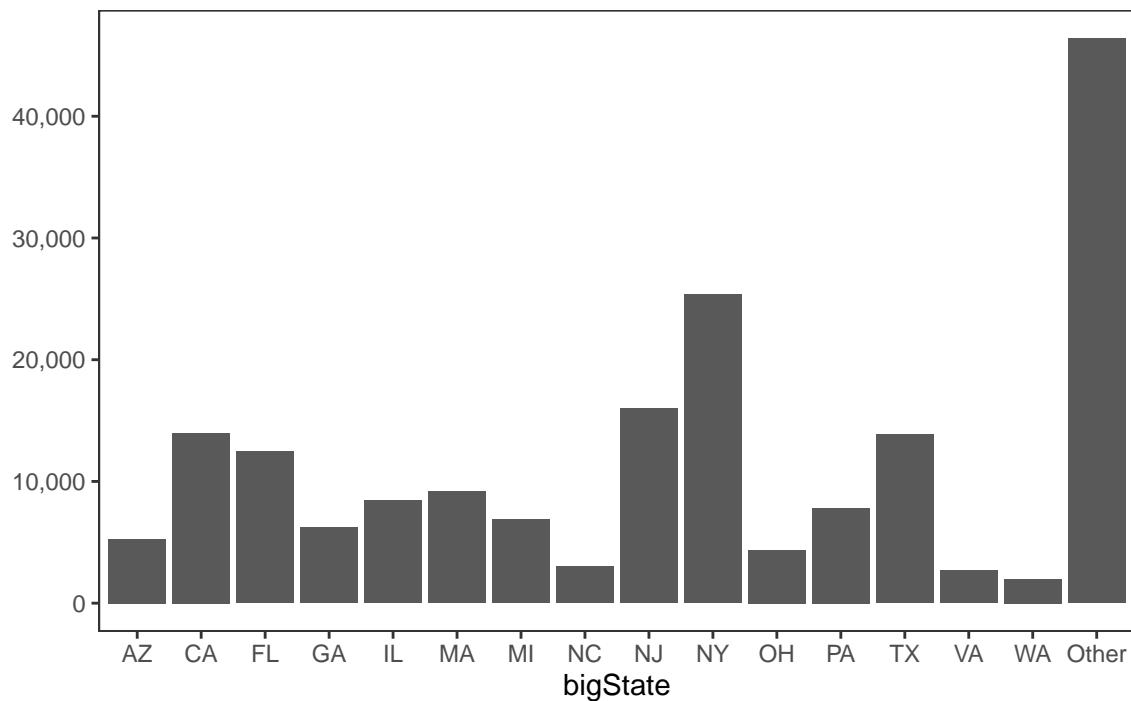


State Data

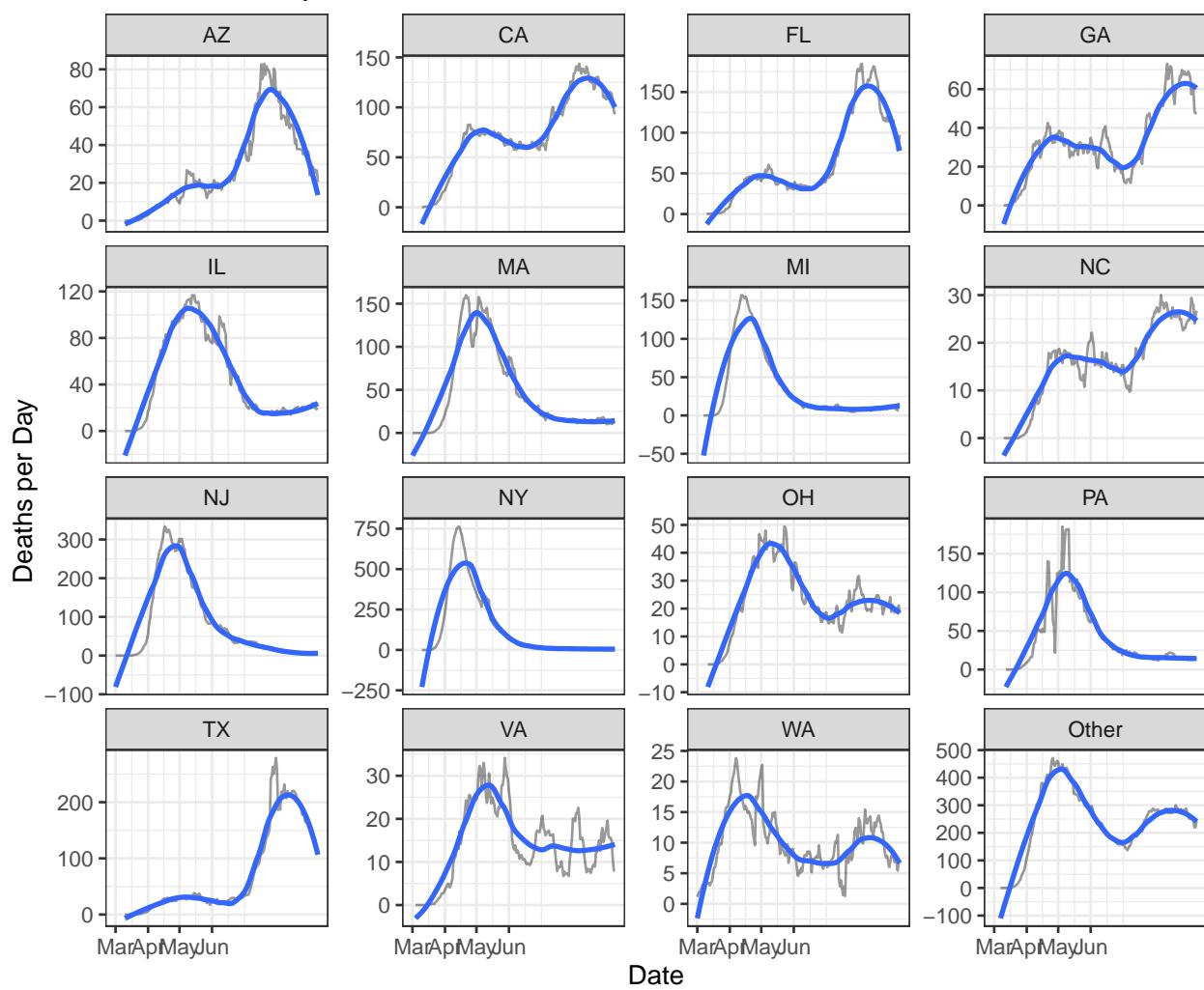
This section summarizes state-level data. Most data are reported for the largest 15 states by population, which account for NaN percent of the total U.S. population.

Deaths

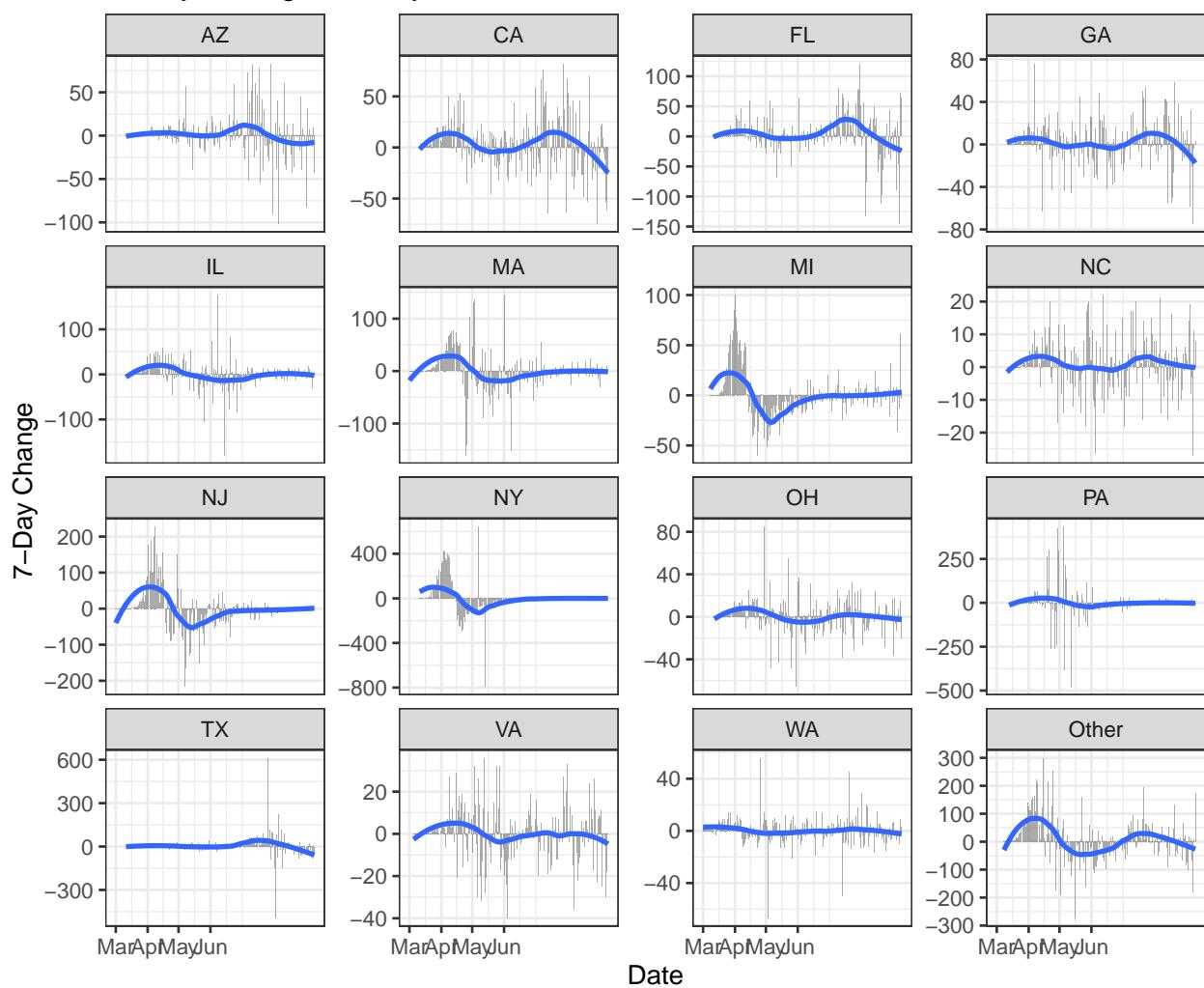
Deaths by State

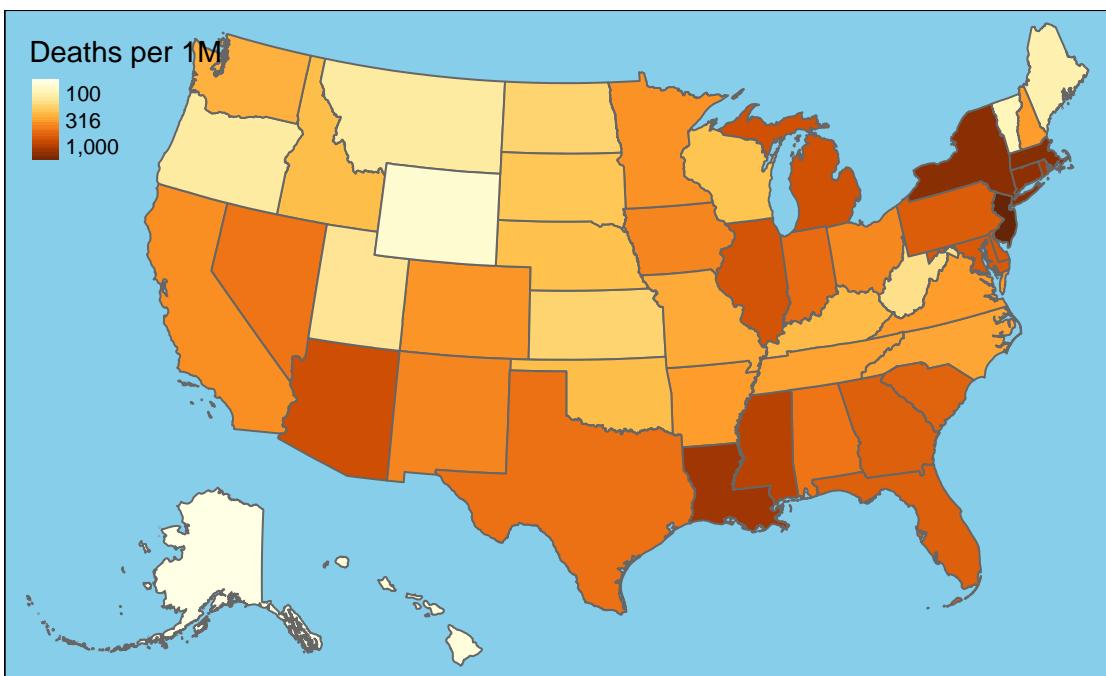
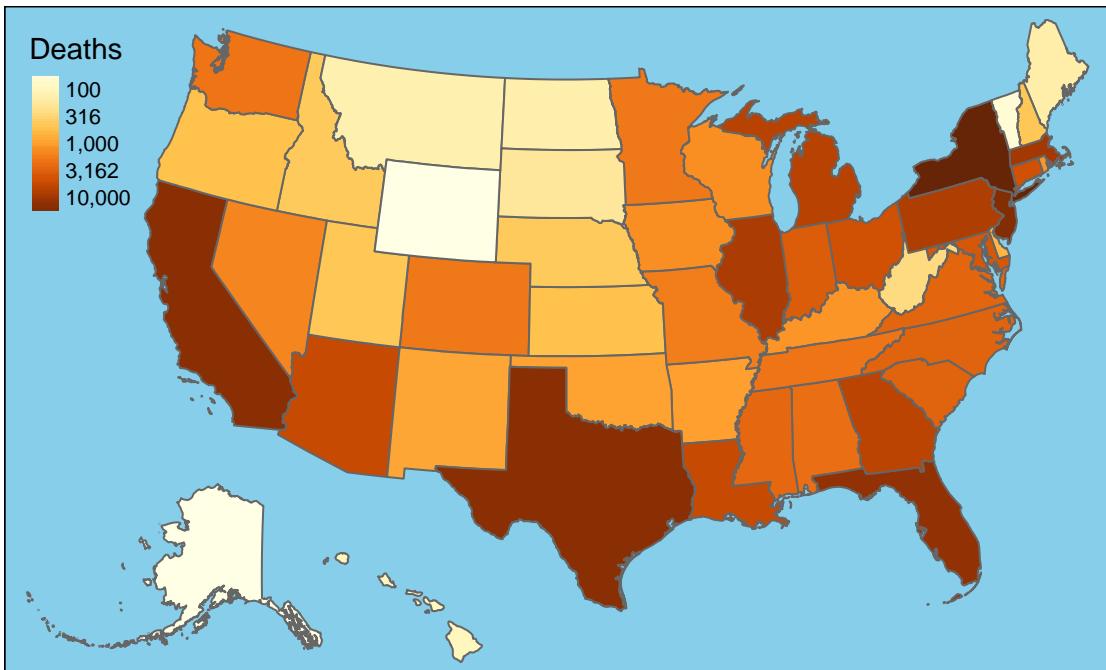


New Deaths by State



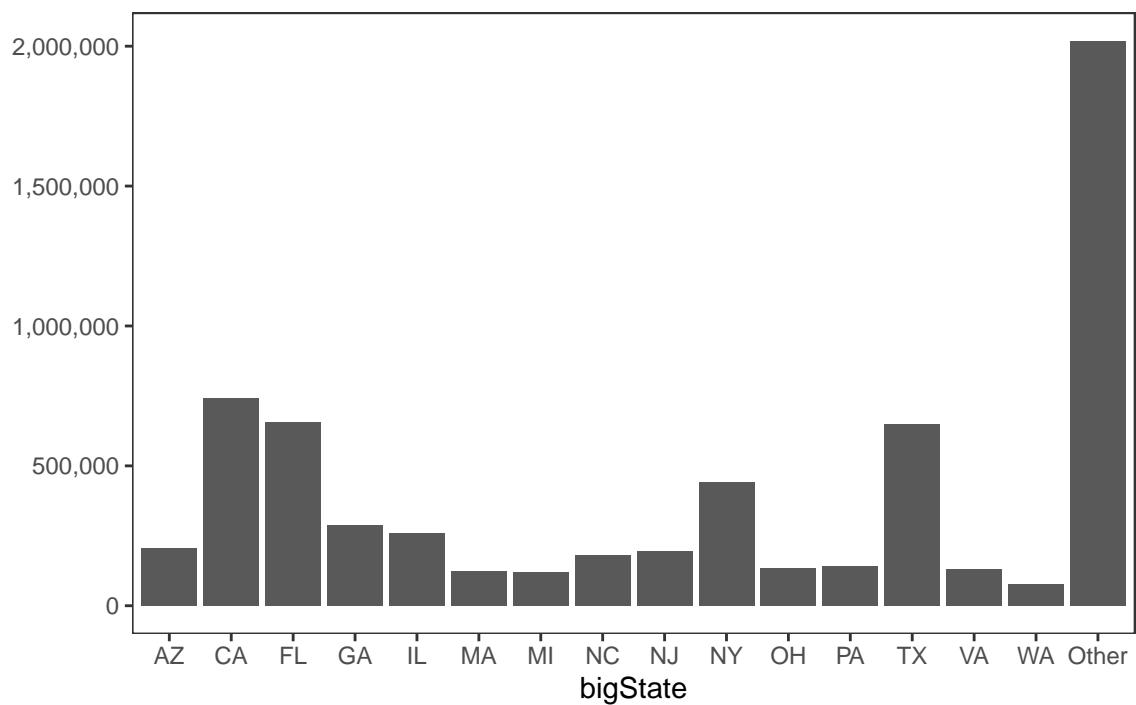
7-Day Change in Daily Deaths



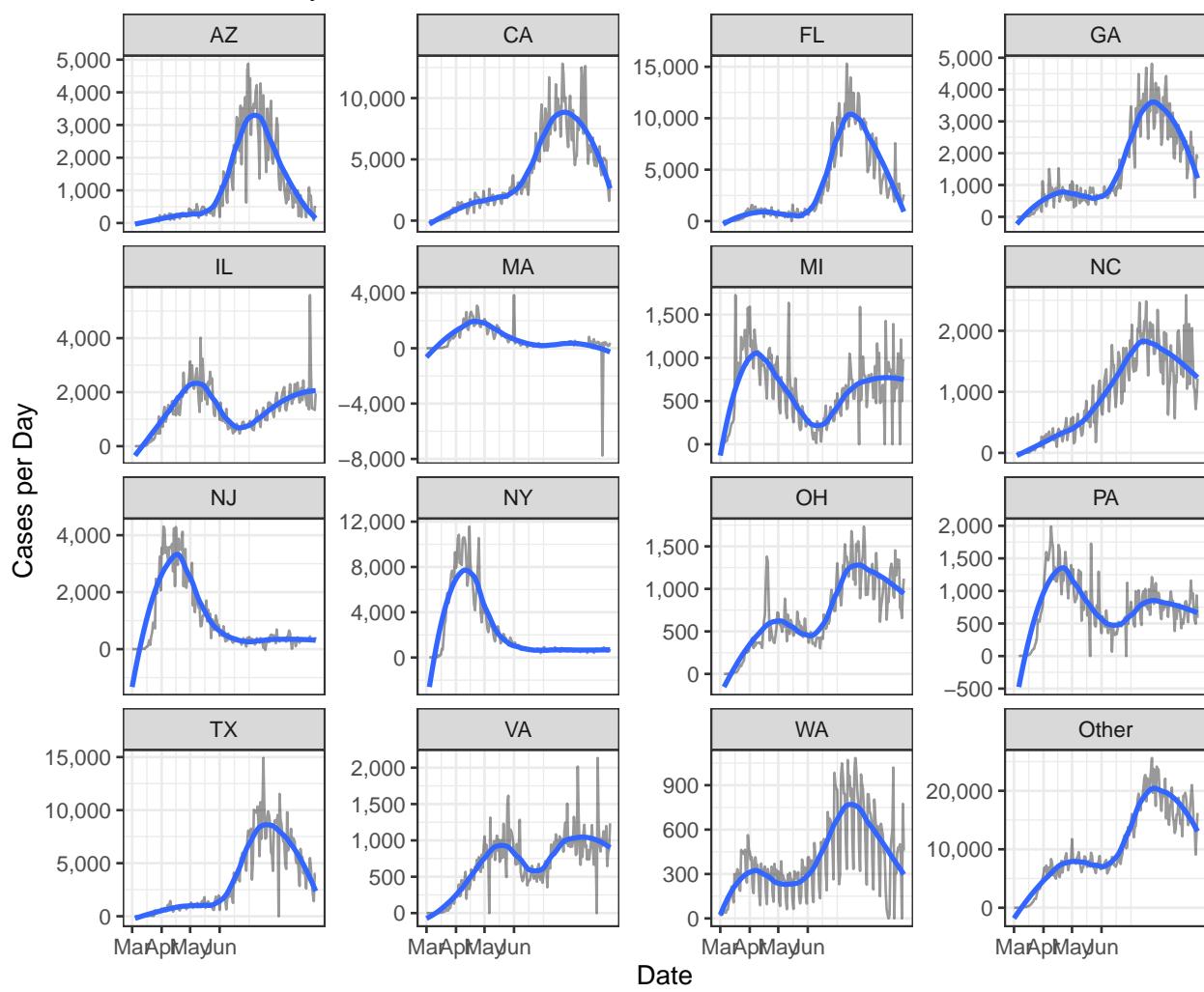


Cases

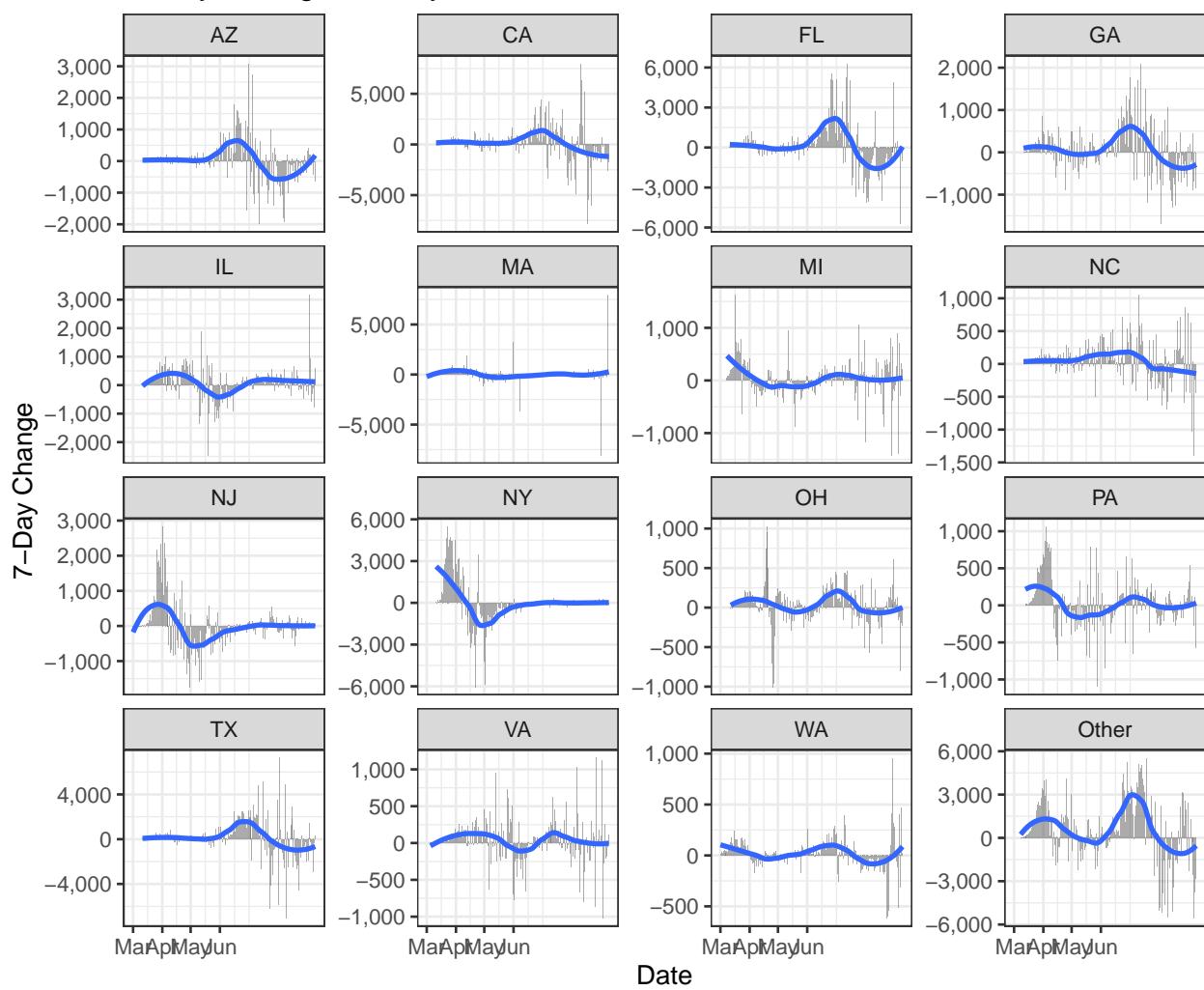
Cases by State

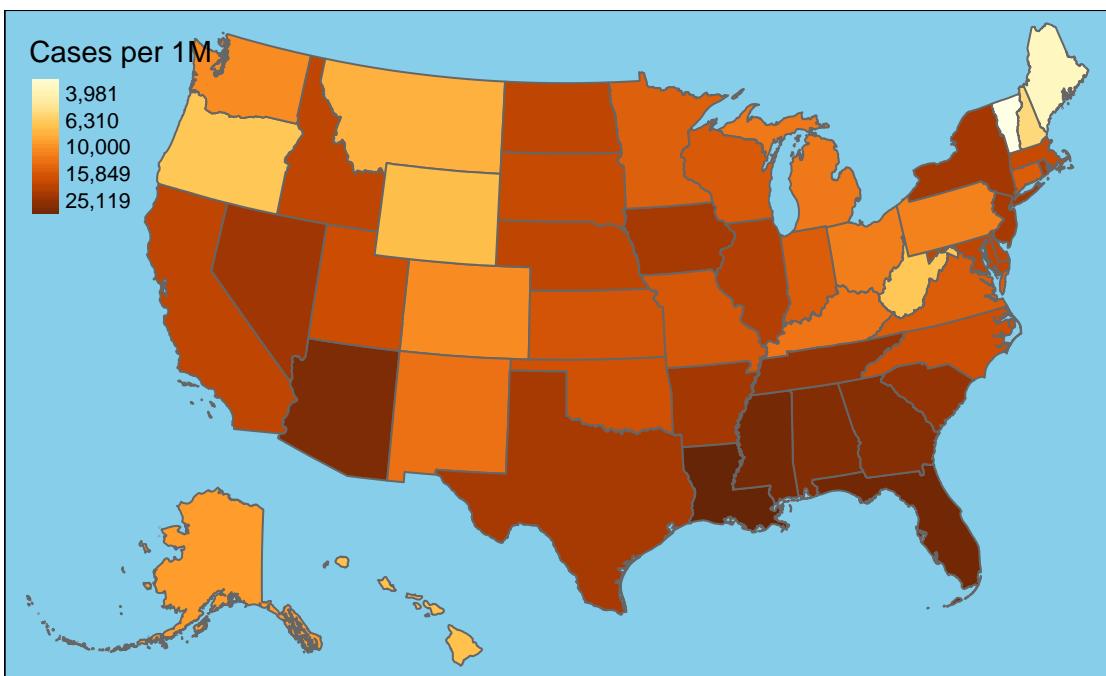
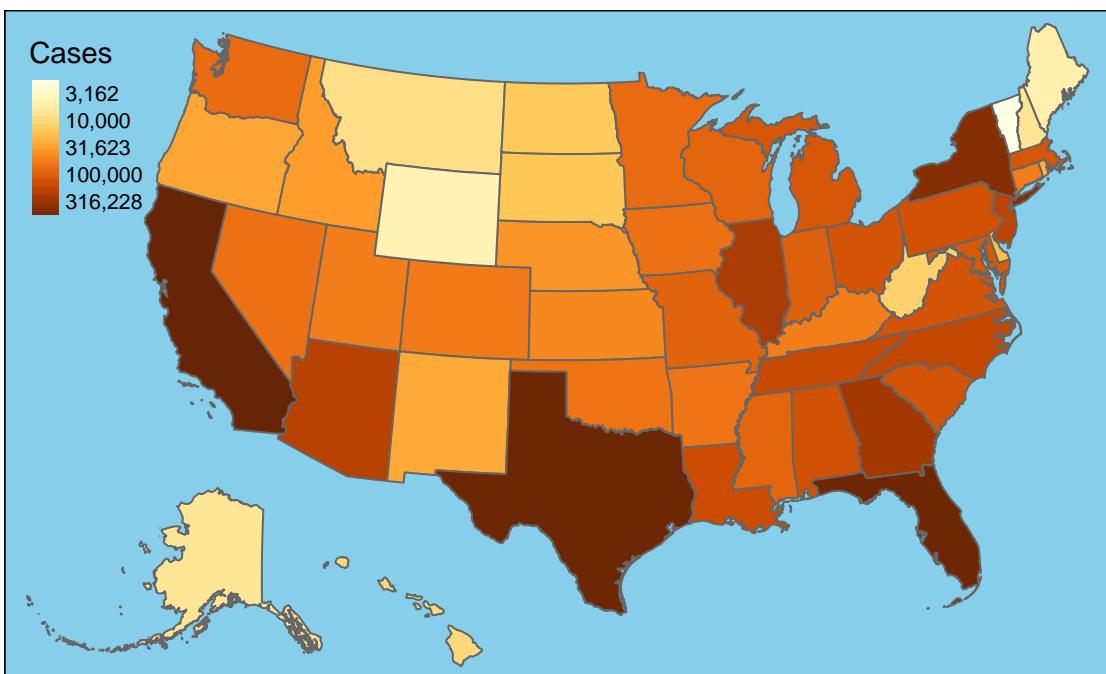


New Cases by State



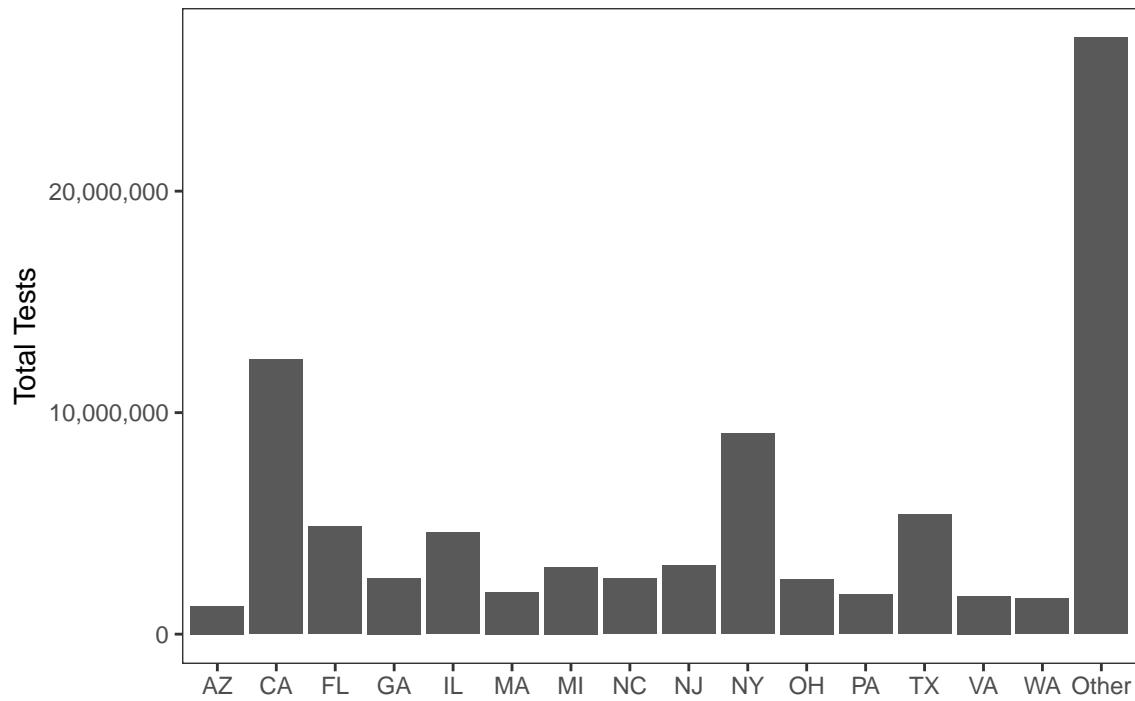
7-Day Change in Daily Cases



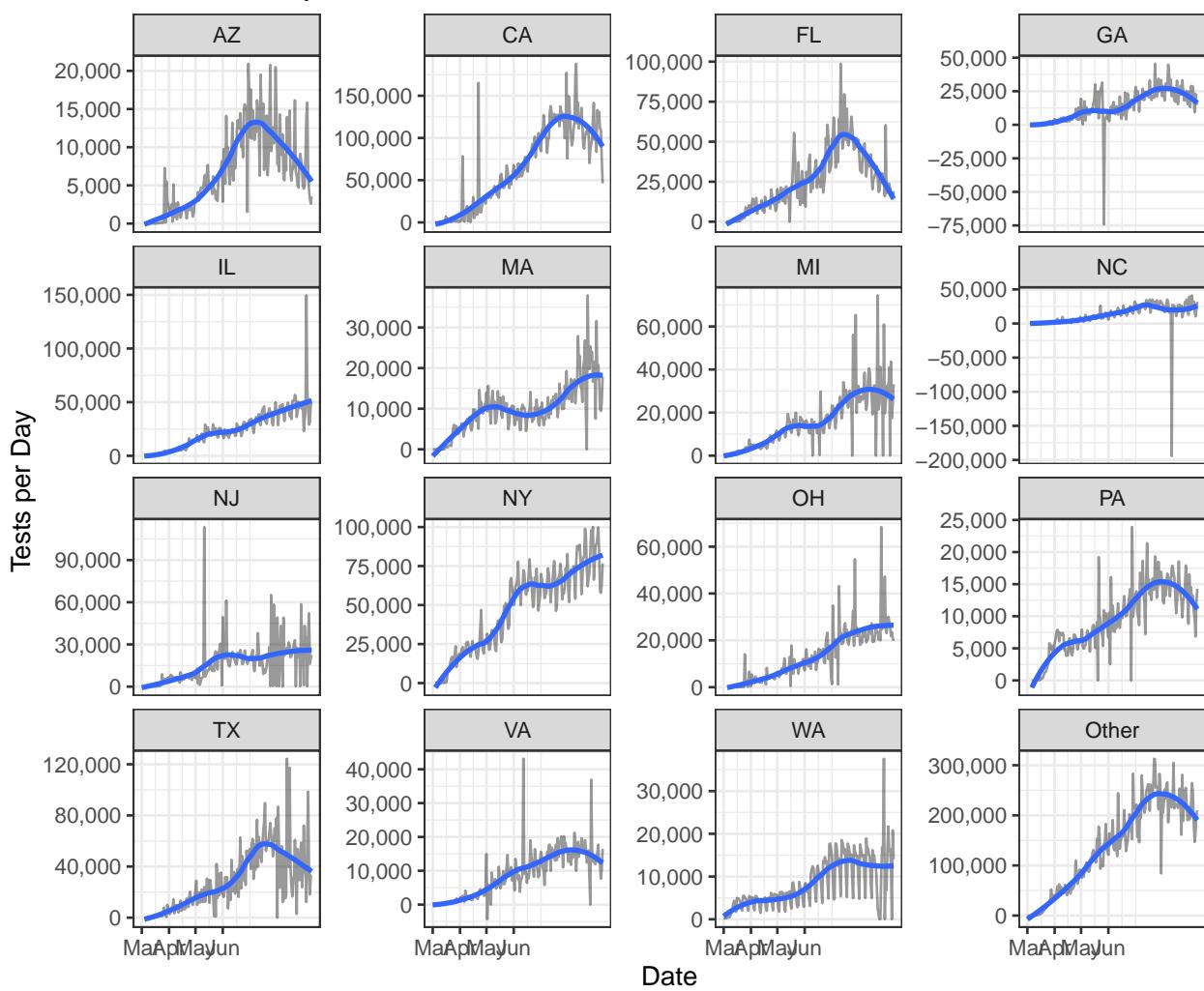


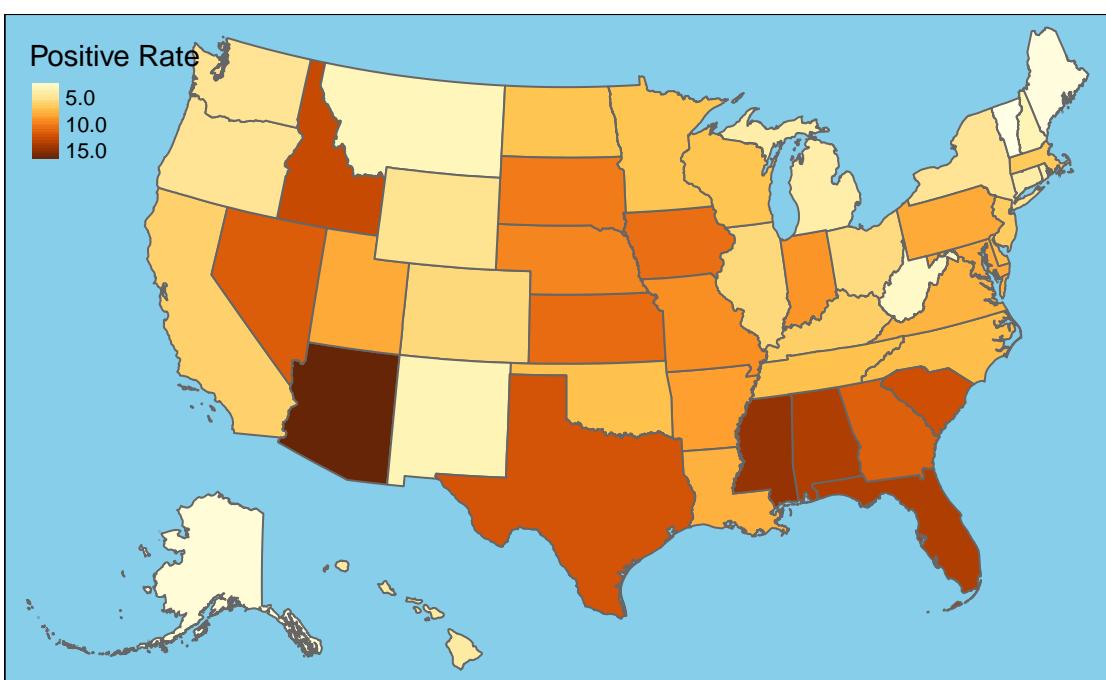
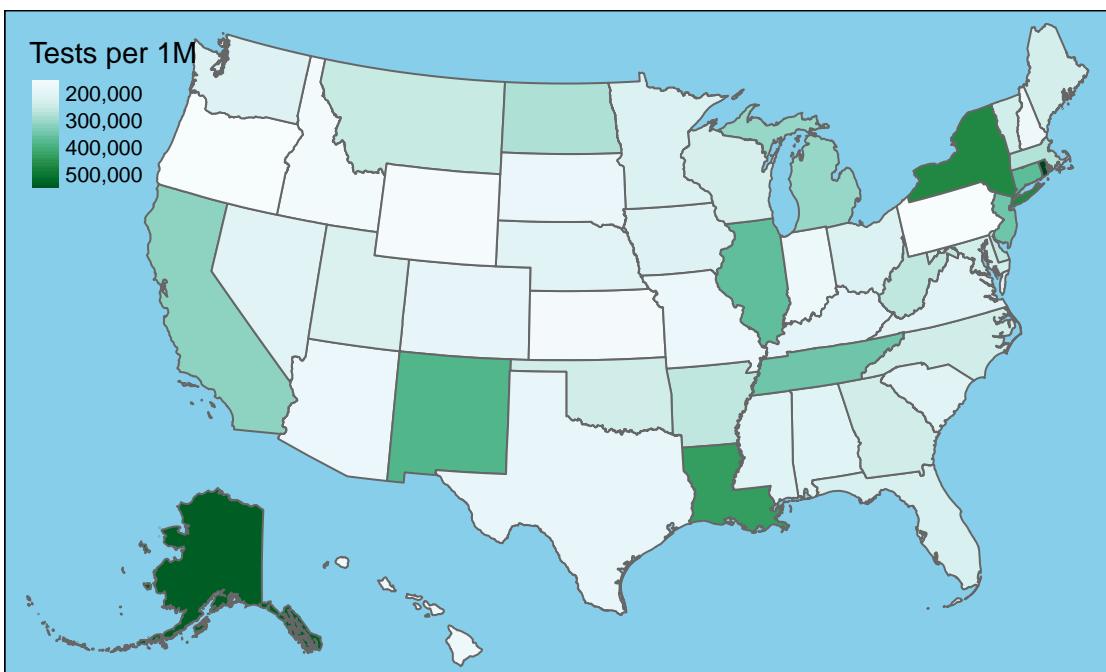
Testing

Tests by State



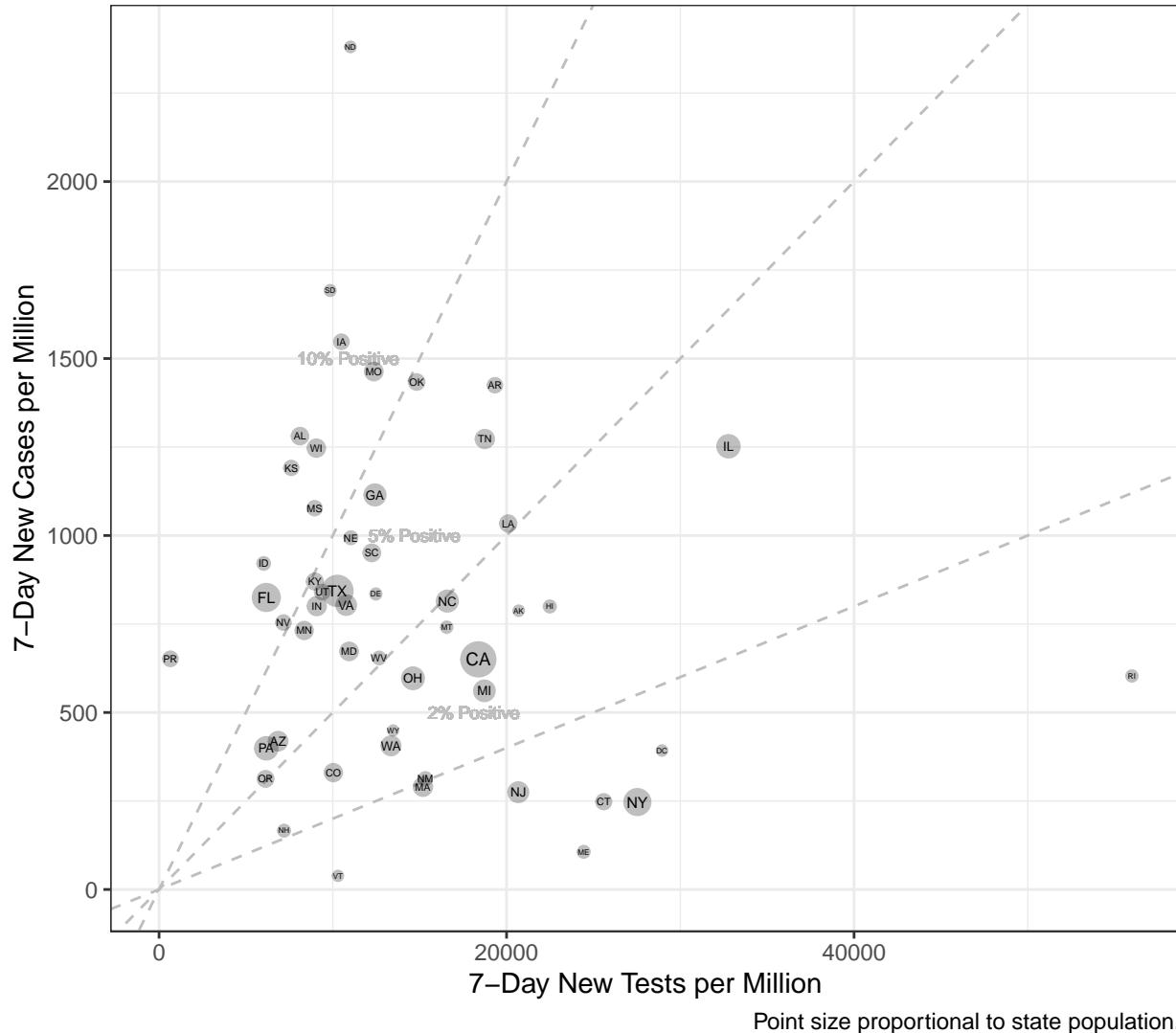
New Tests by State





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



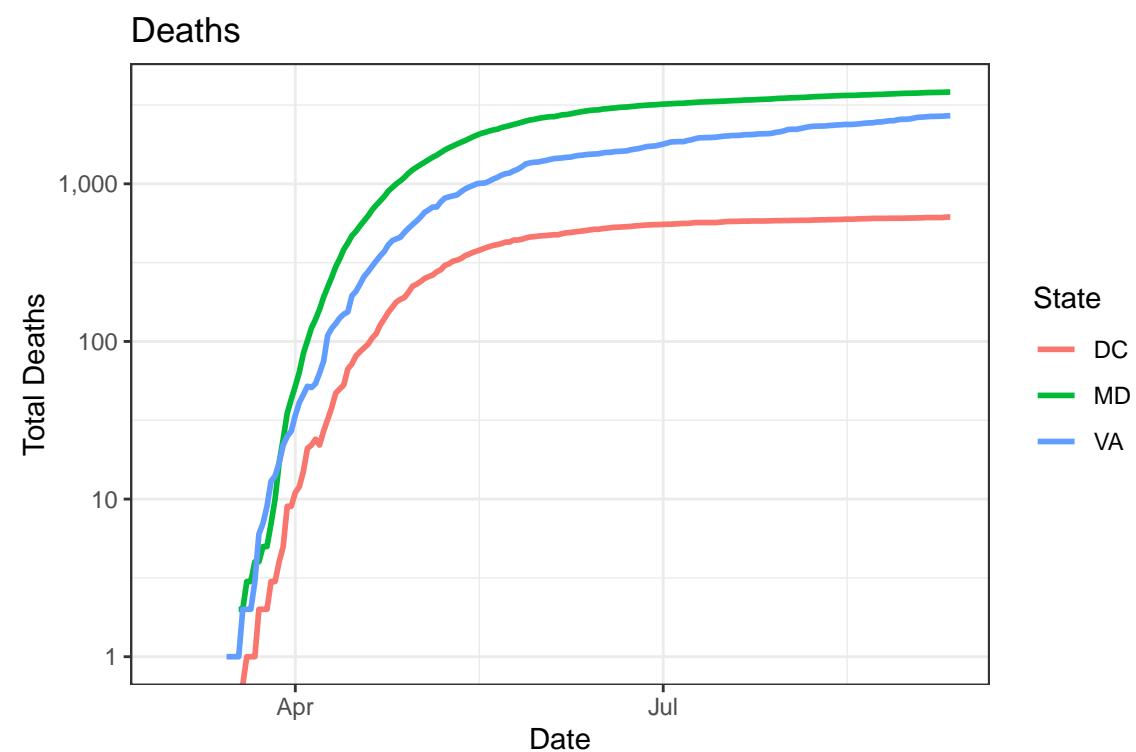
Local Data

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

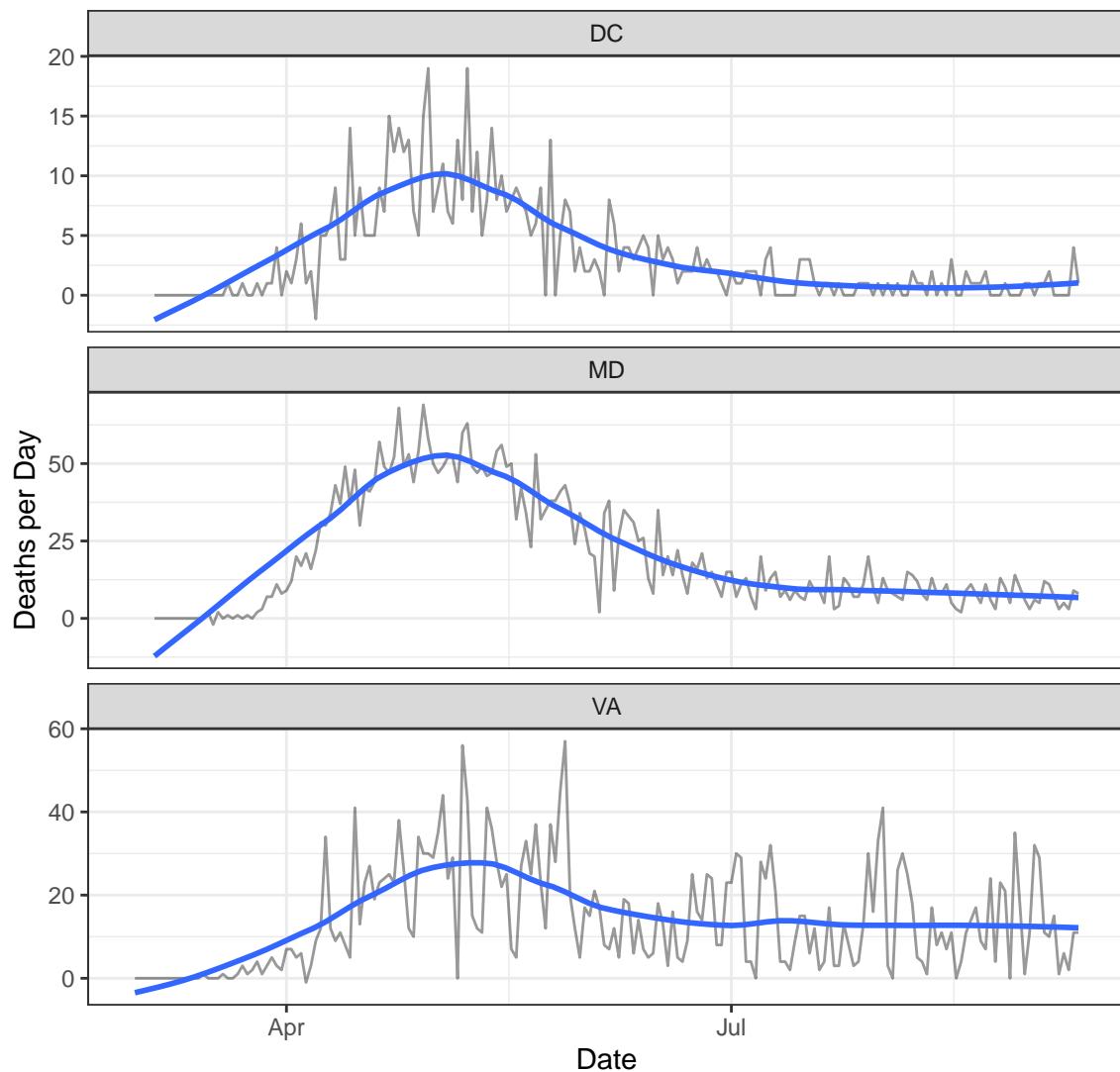
Table 3: Latest Local Data

State	Cases	Deaths	New Cases	New Deaths
DC	14,412	616	25	1
MD	114,078	3,824	503	8
VA	130,525	2,708	1,236	11

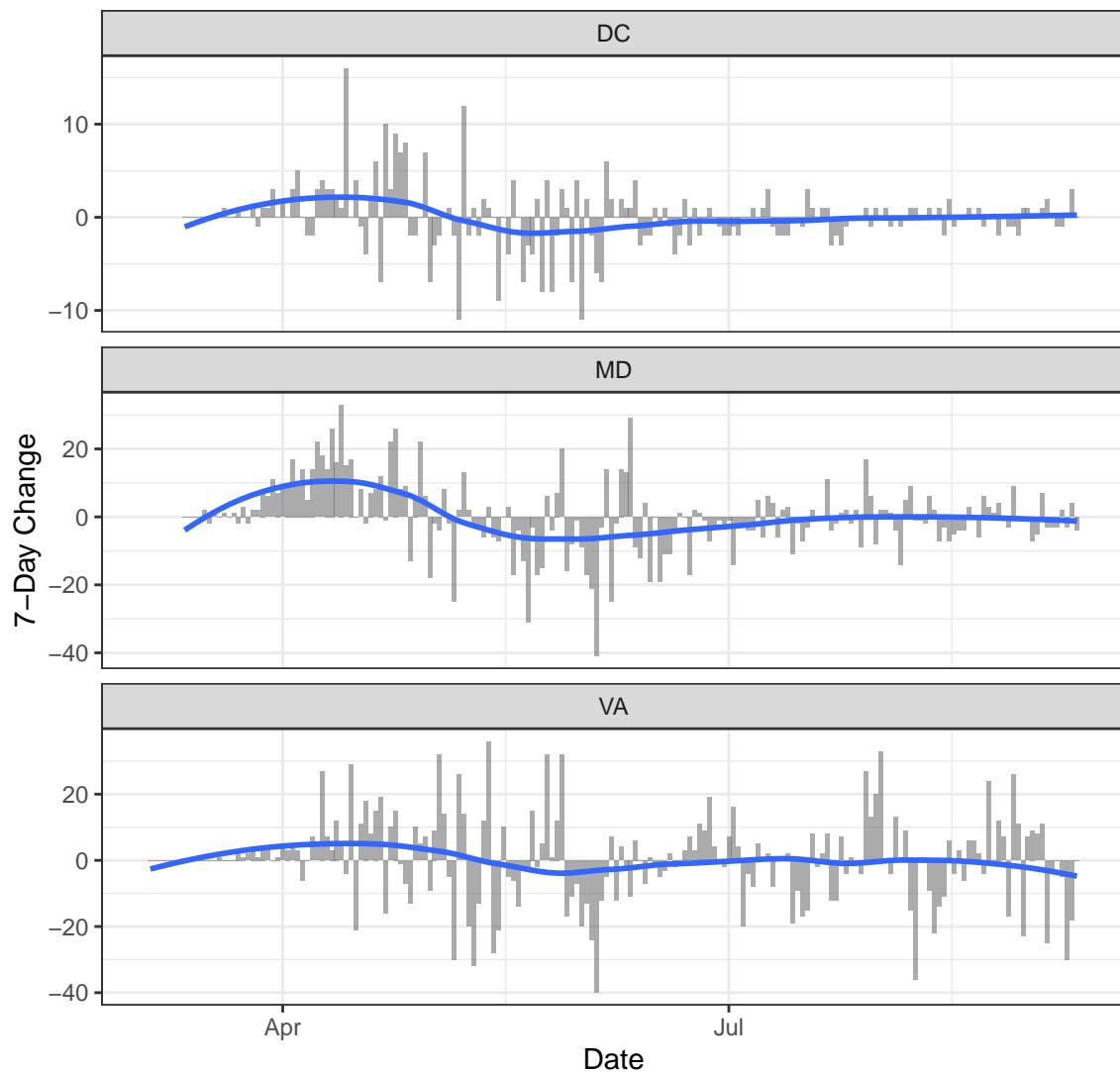
Deaths

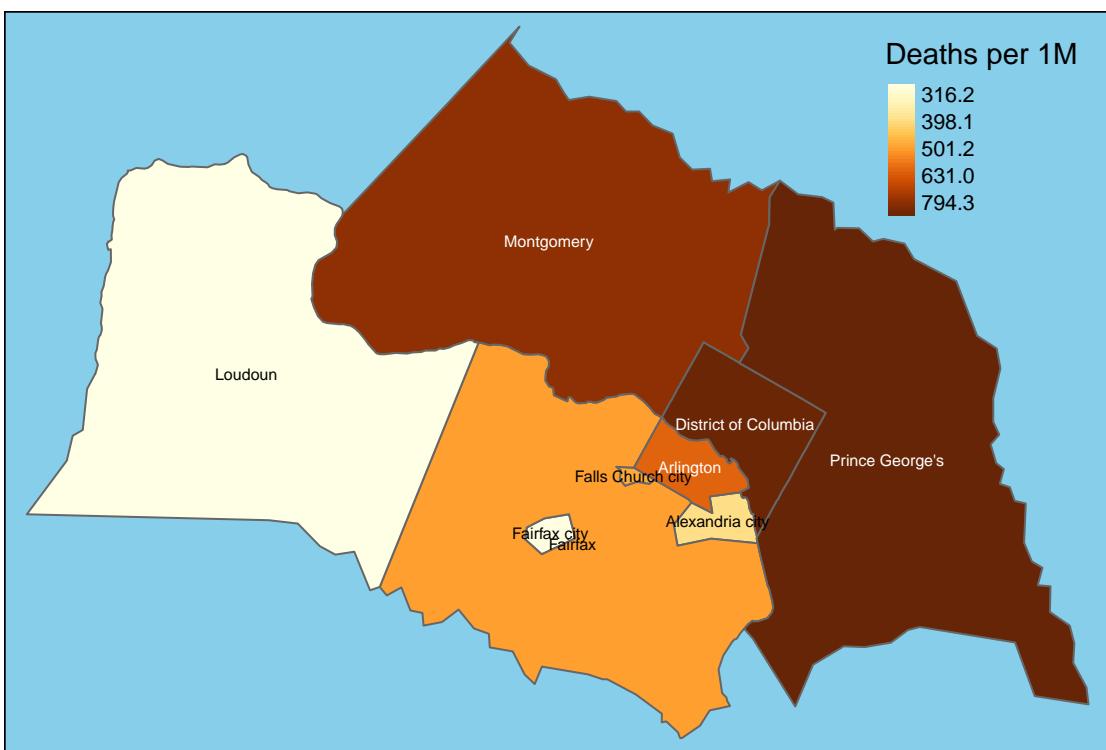
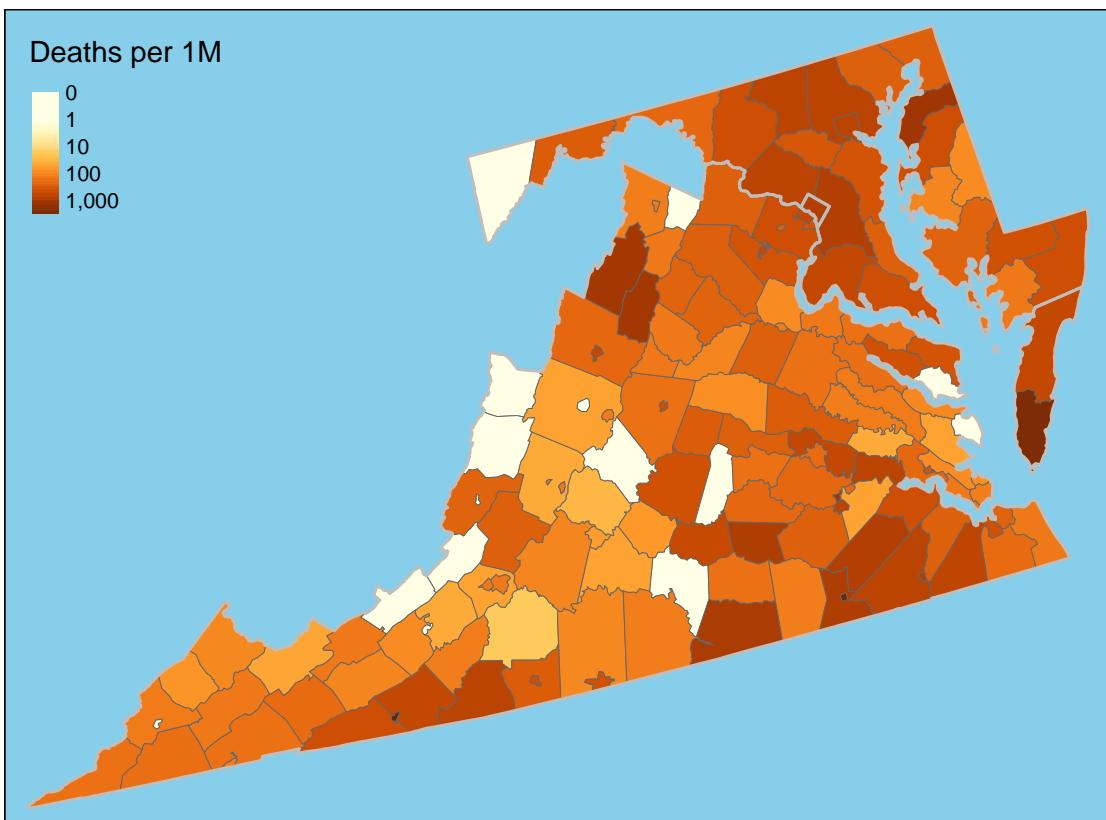


New Deaths

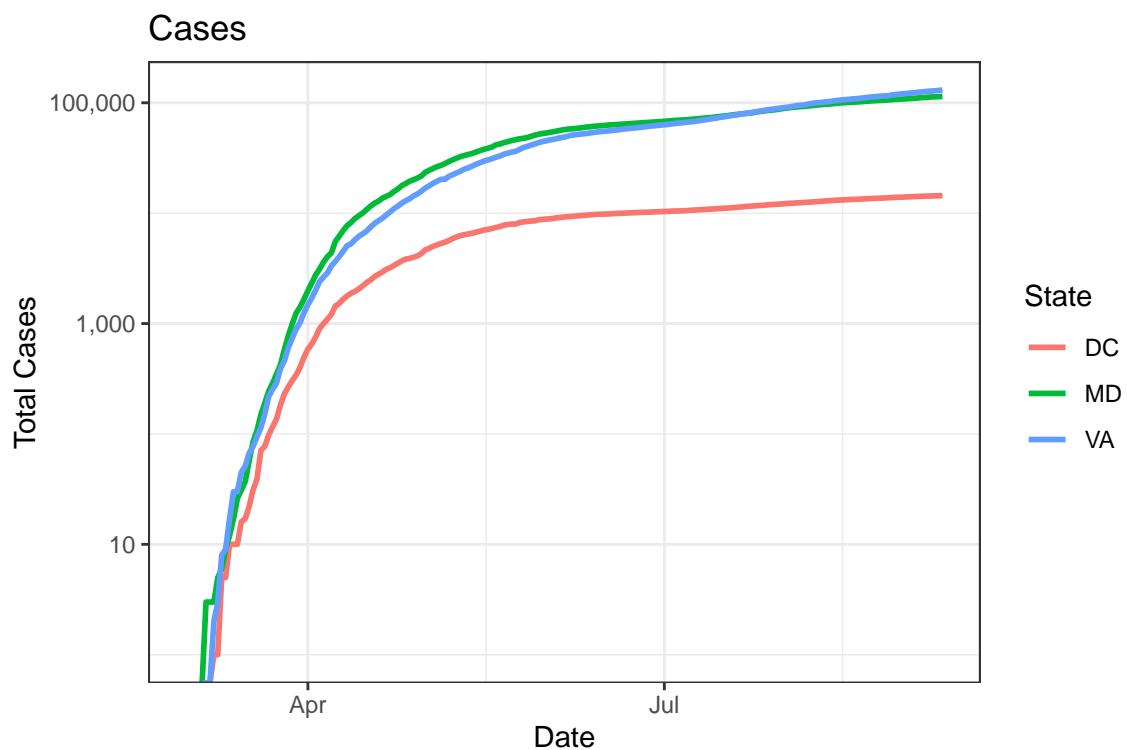


One-Week Change in Daily Deaths

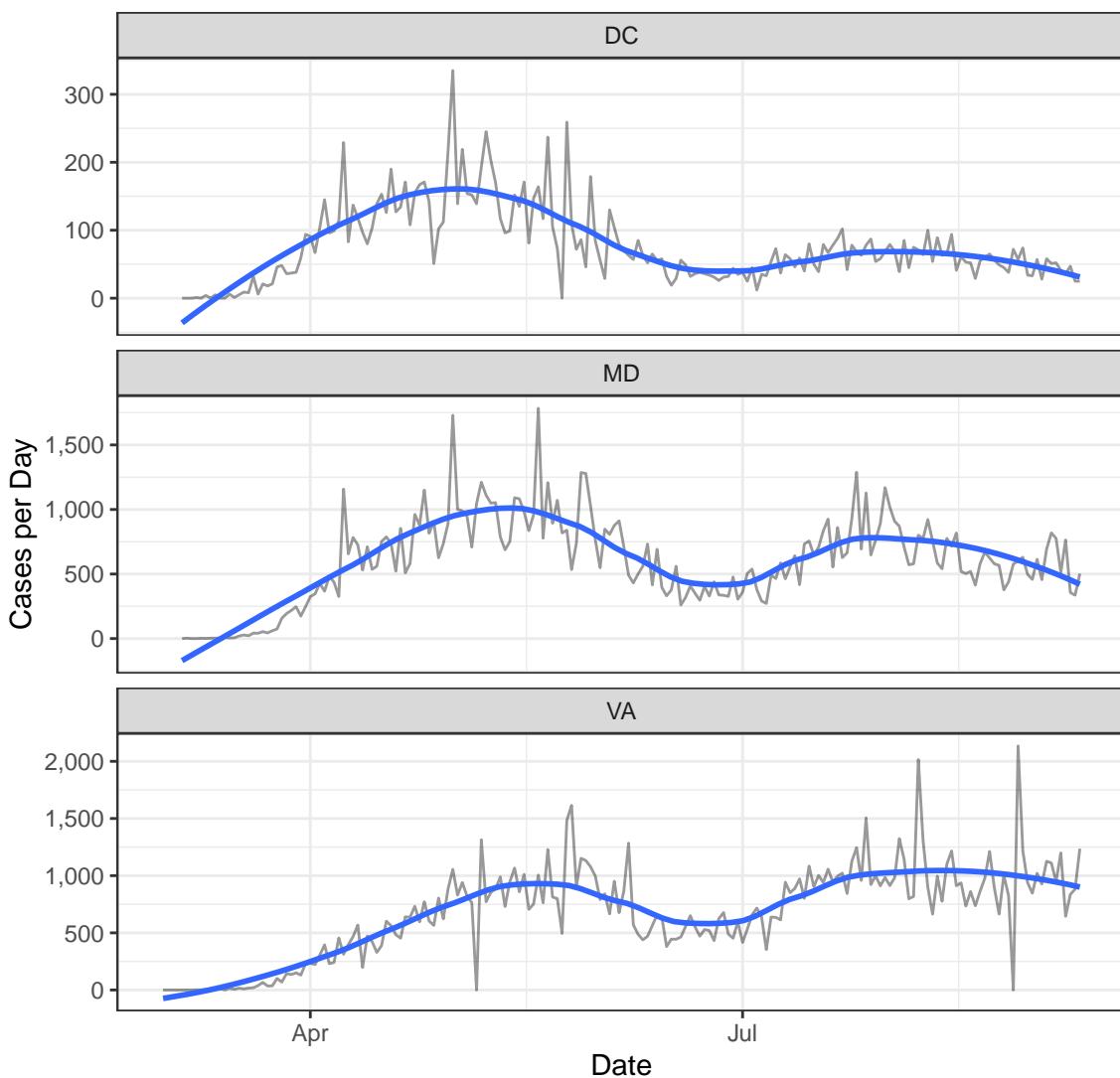




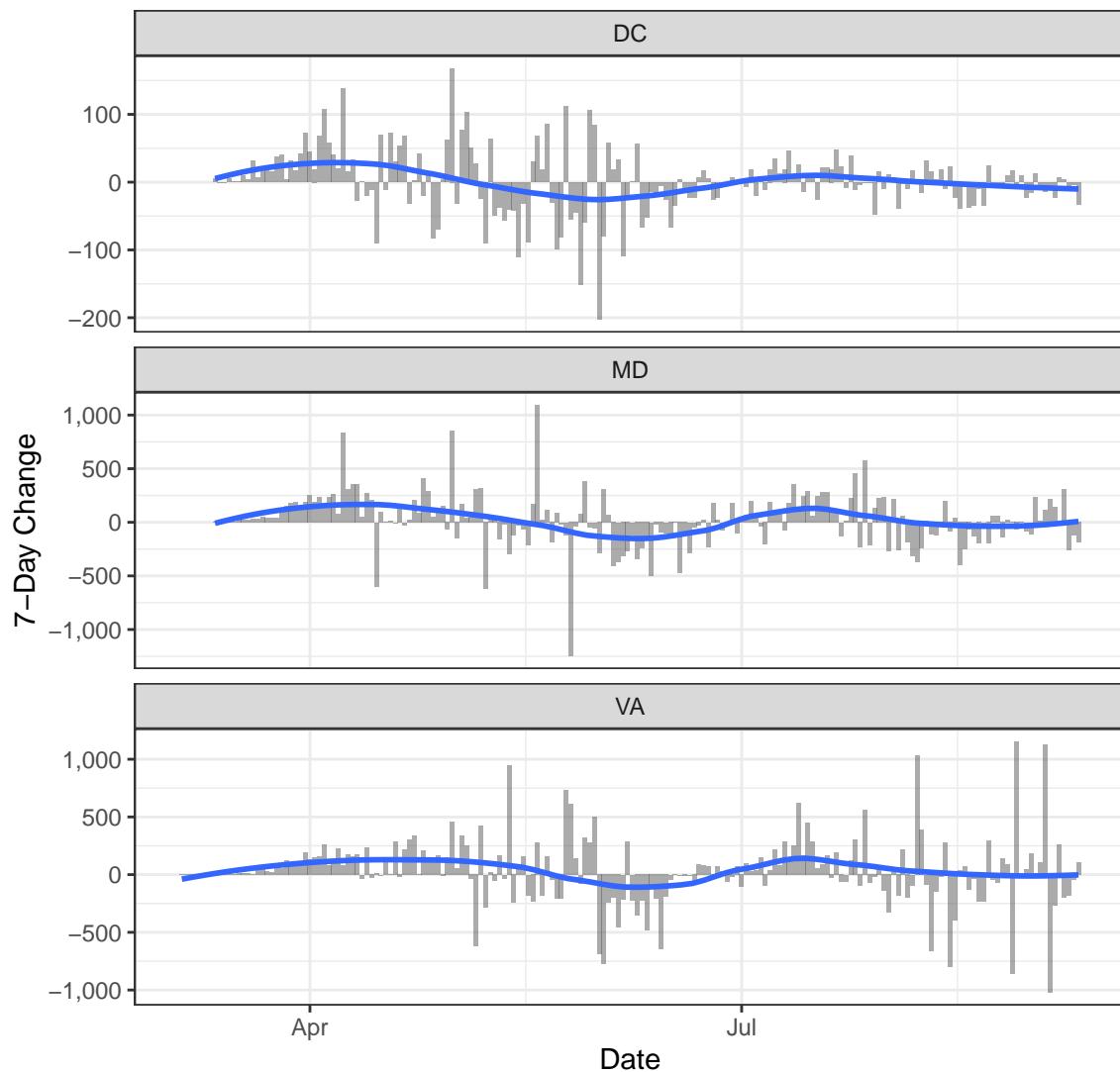
Cases

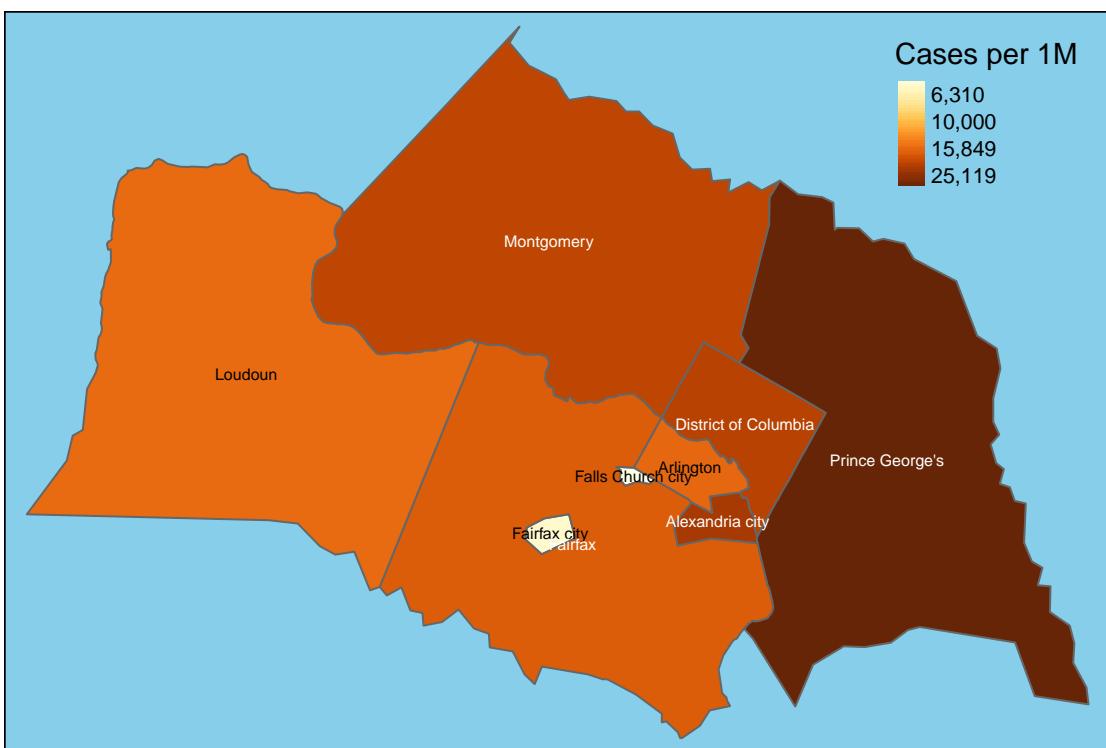
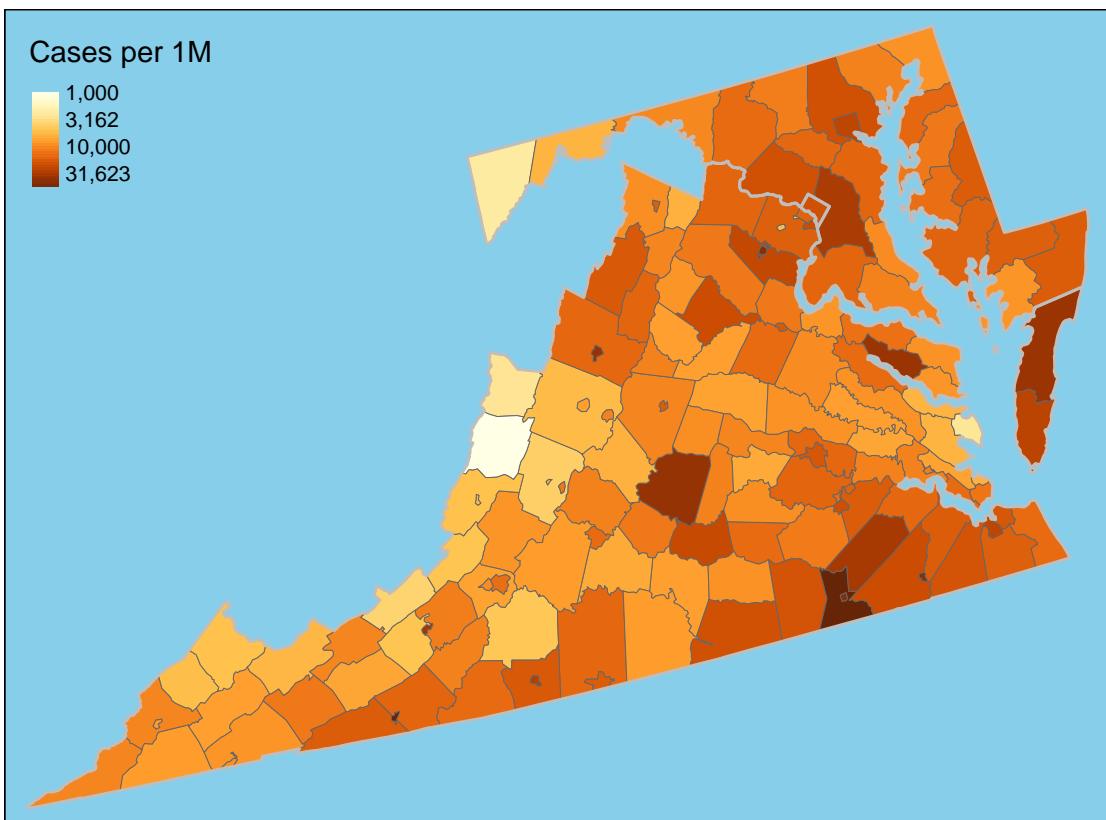


New Cases

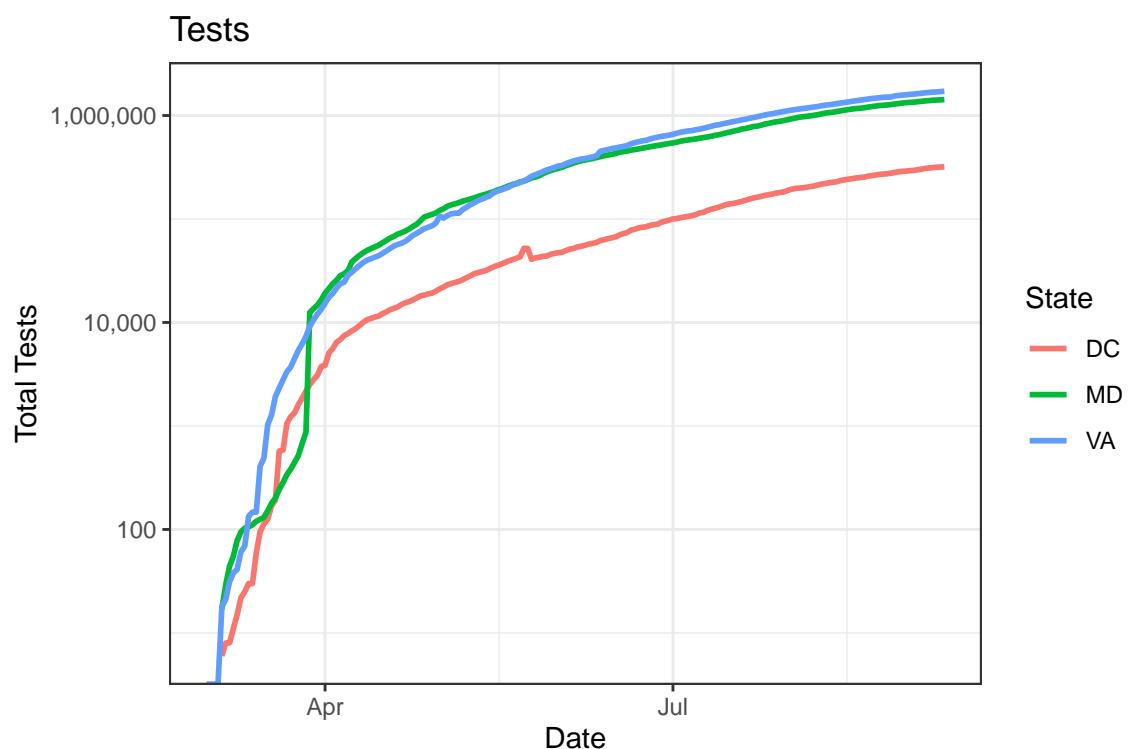


One-Week Change in Daily Cases

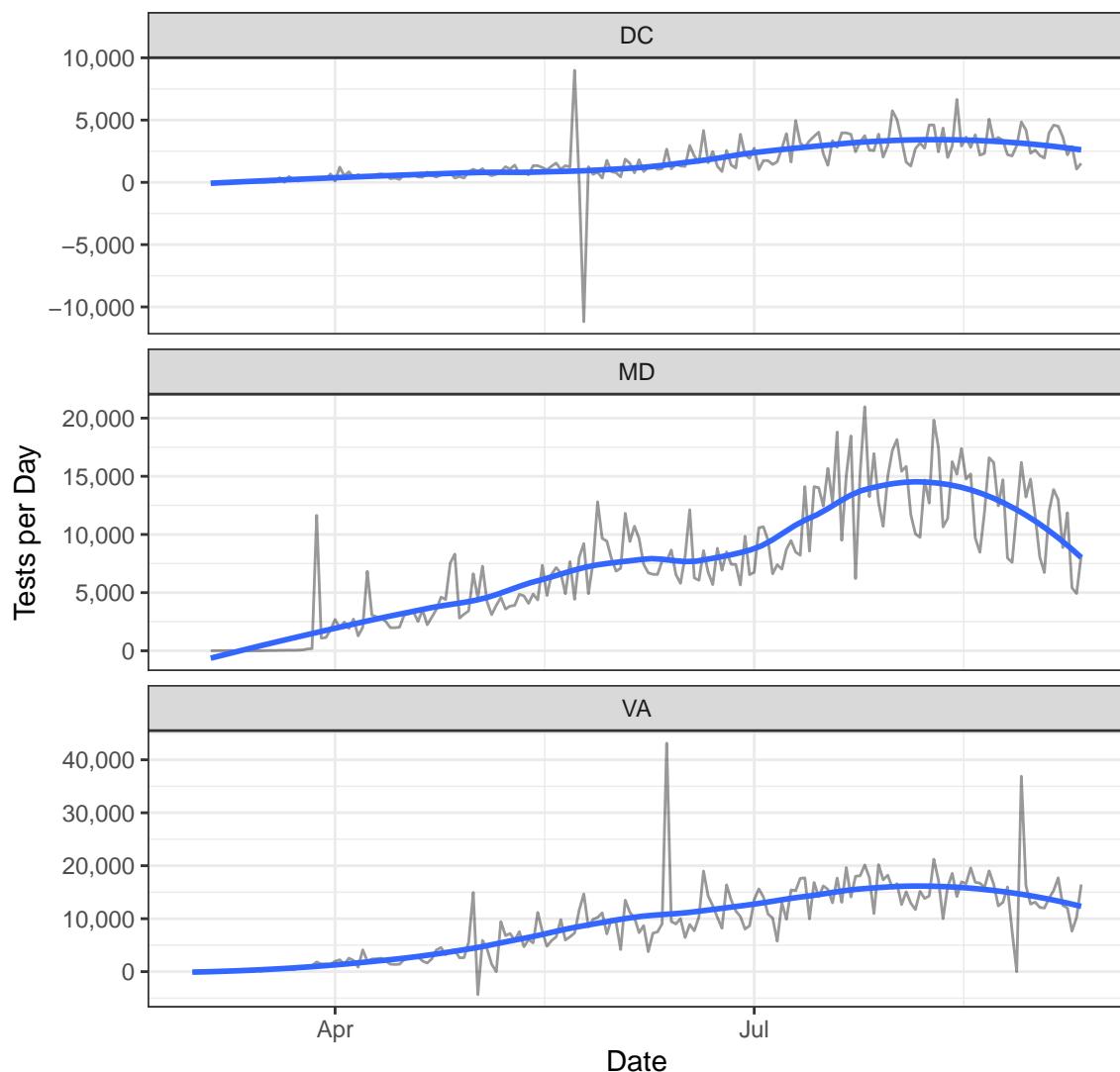




Testing



New Tests



Positive Test Rate

