

More

Corona Virus Science

This blog explains some of the science related to the corona virus (COVID-19) € perspective. Most posts contain links to the underlying research.

COVID-19 Model Projections

This page contains graphs with the latest COVID-19 projections for the US from the "Data Trend Model". Previous predictions can be downloaded from Github.

Last model run

June 11, 2020 with Johns Hopkins Data from 6/10/2020.

- **Predicted daily deaths on 8/9/2020: 823** (yesterday: 1,232; ~ 50,000 per 2 months)
- **Predicted daily cases on 8/9/2020: 18,532** (yesterday: 22,786)
- **Total deaths predicted by 8/9/2020: 168,966** (yesterday: 186,514 until 8/8)
- **Excluding New York & New Jersey: 123,251** (yesterday: 140,845 until 8/8)

Please note that the numbers are for yesterday distorted by bad reporting and recent reporting changes in Michigan. This was corrected in today's model run, as explained below.

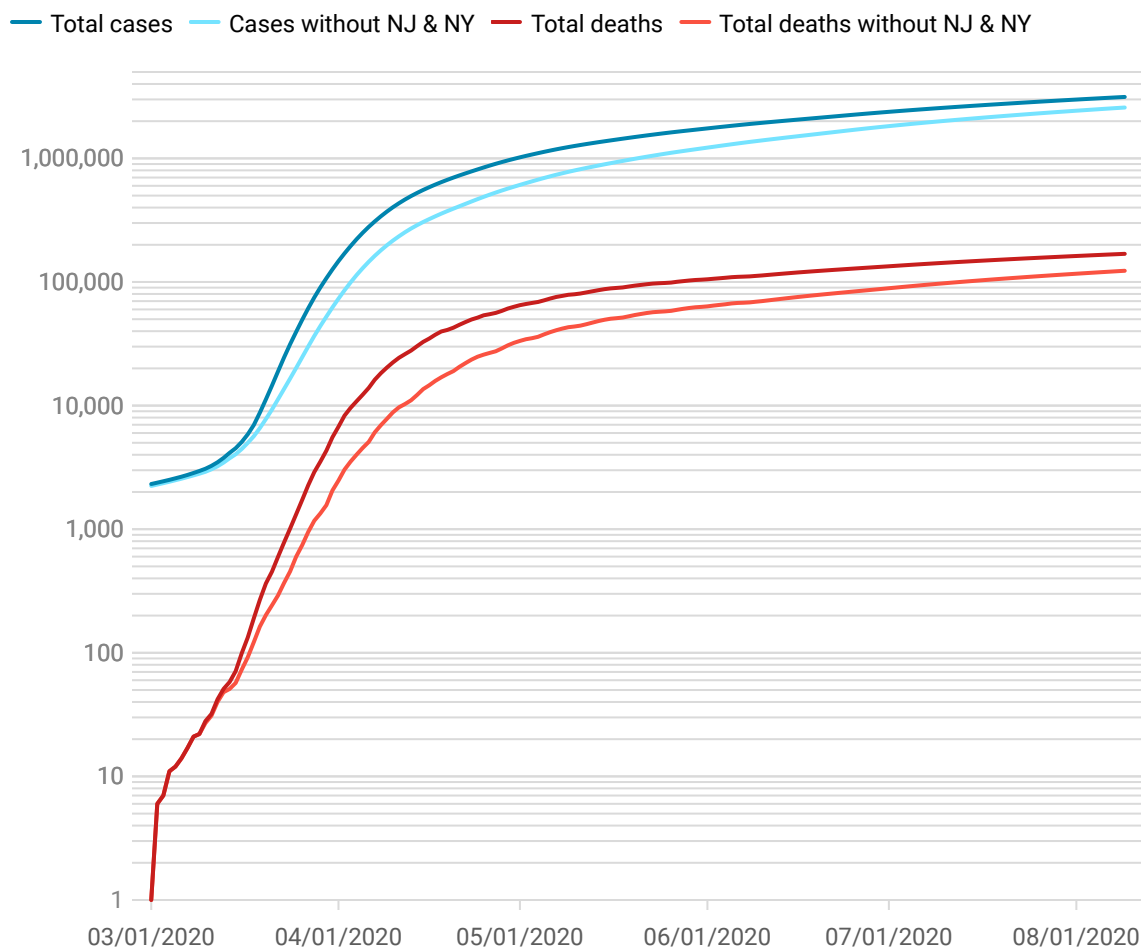
Summary

Today's includes corrections for an artifact in Michigan's reporting, where Michigan reported 5,759 new COVID-19 cases on 6/5/2020, which were all "probable" COVID-19 cases up to this day. This number was about 15-40 times higher than the typical number of cases Michigan had reported recently, which led to an inflation of the projected case counts. In today's and future model runs, only confirmed cases were considered for Michigan on 6/5/2020, which removes the artifact. With this correction, today's numbers are very similar to yesterday's.

Massachusetts is showing a similar artifact, but the increase in reported numbers was smaller, and spread over 7 days (from 6/1 to 6/7). As a result of this reporting artifact, the prediction for Massachusetts is currently too optimistic, and predicts a faster drop than would be expected. However, the effect of this on the overall numbers is only small, and will diminish further in the next 10-15 days.

Total projected COVID-19 cases and deaths

Future growth in cases per day limited to 14 days.

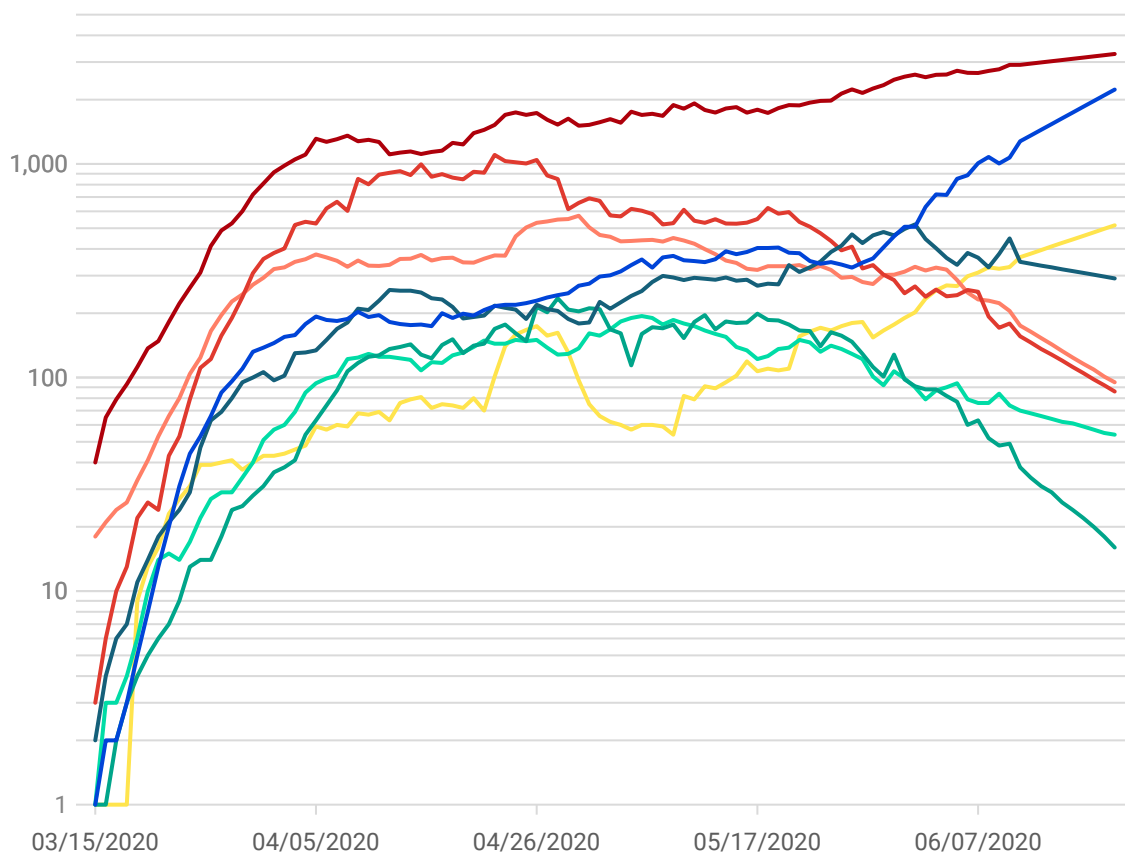


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

Chart: covid19science.blogspot.com • [Get the data](#) • Created with [Datawrapper](#)

Actual and projected daily COVID-19 cases by state (AL-DC)

Alabama Arizona Arkansas California Colorado Connecticut Delaware
District of Columbia

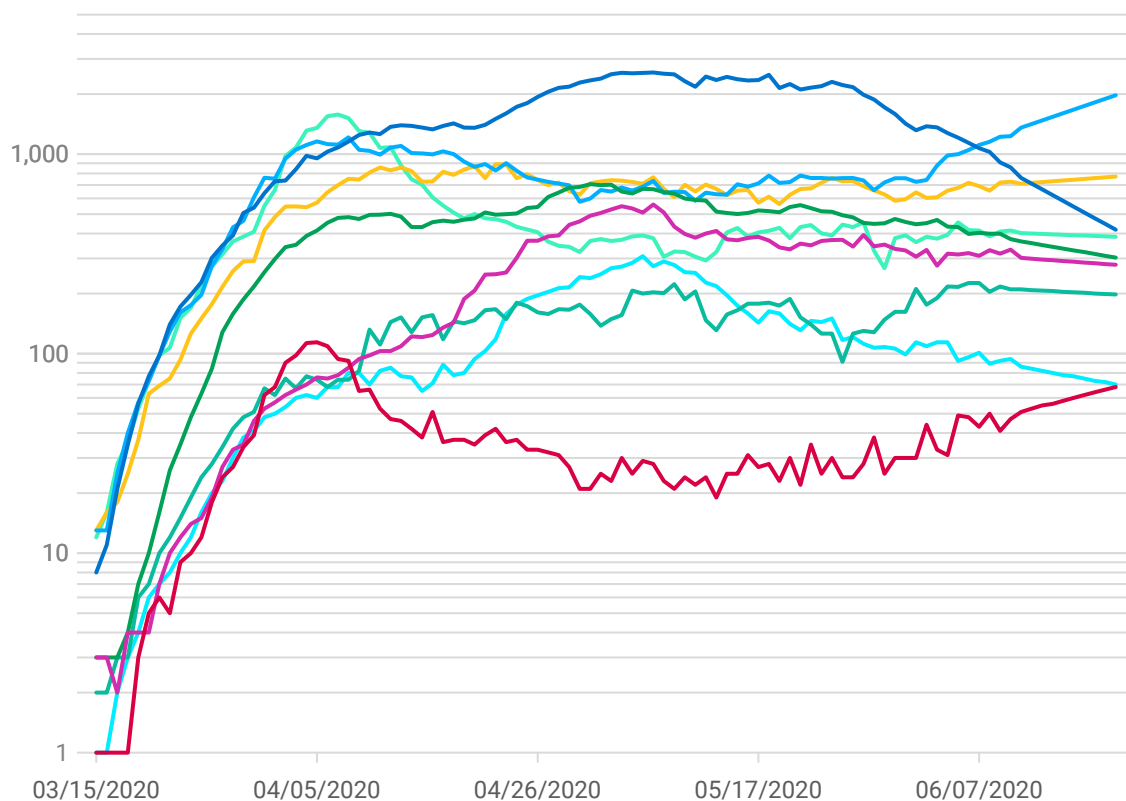


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

Chart: covid19science.blogspot.com • [Get the data](#) • Created with [Datawrapper](#)

Actual and projected daily COVID-19 cases by state (FL-LA)

Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky
Louisiana

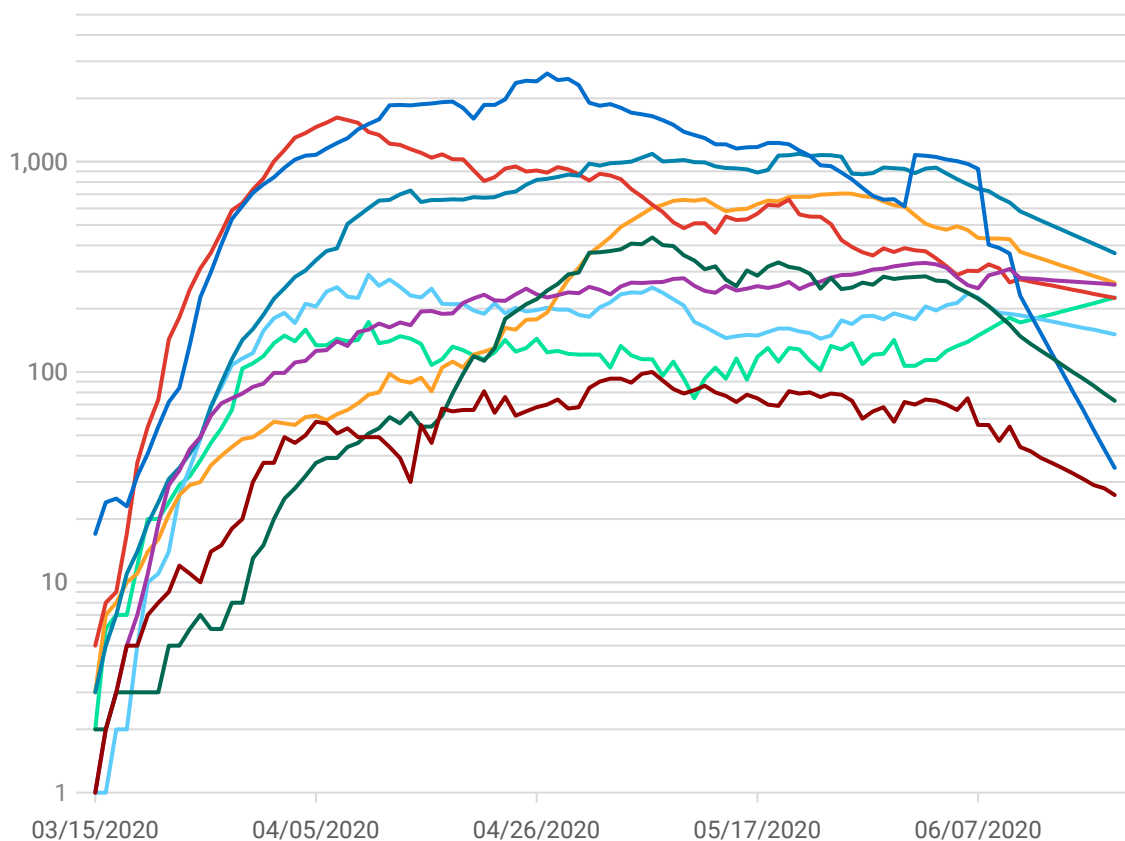


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

Chart: covid19science.blogspot.com • [Get the data](#) • Created with [Datawrapper](#)

Actual and projected daily COVID-19 cases by state (MD-NH)

— Maryland — Massachusetts — Michigan — Minnesota — Mississippi — Missouri — Nebraska — Nevada — New Hampshire

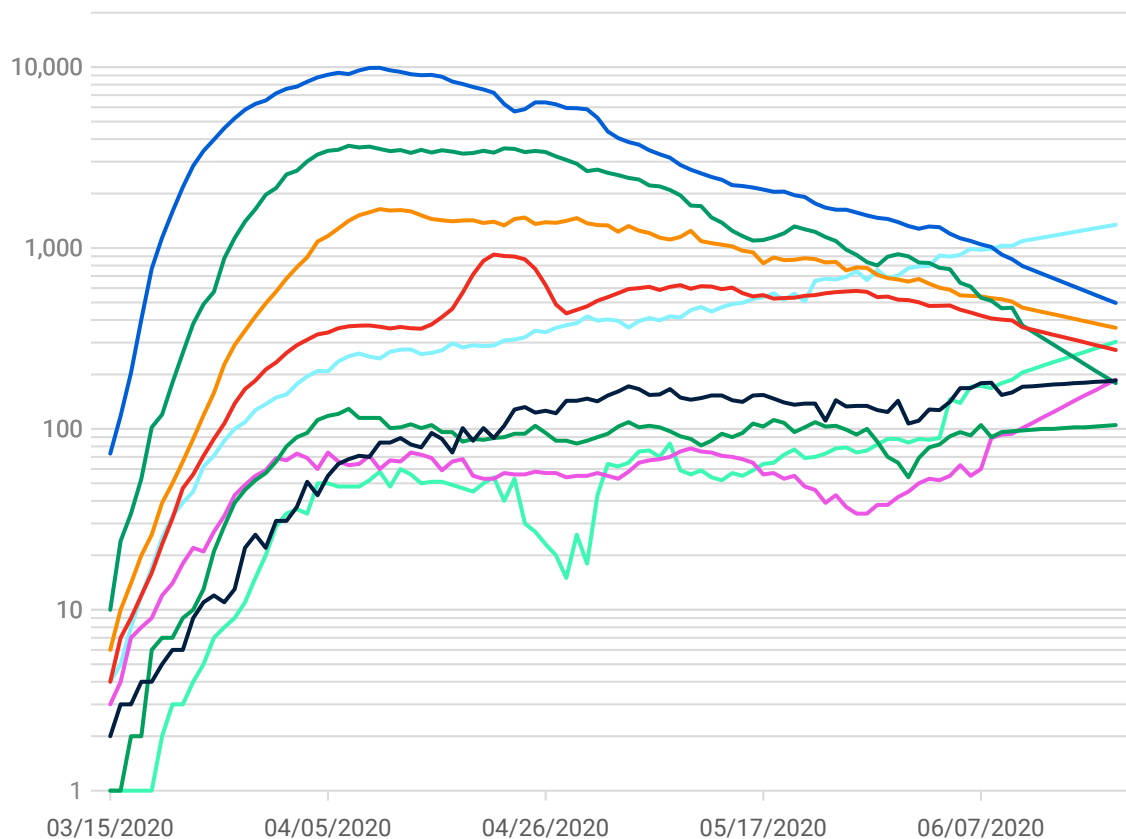


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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Actual and projected daily COVID-19 cases by state (NM-PR)

New Jersey New Mexico New York North Carolina Ohio Oklahoma Oregon
Pennsylvania Puerto Rico

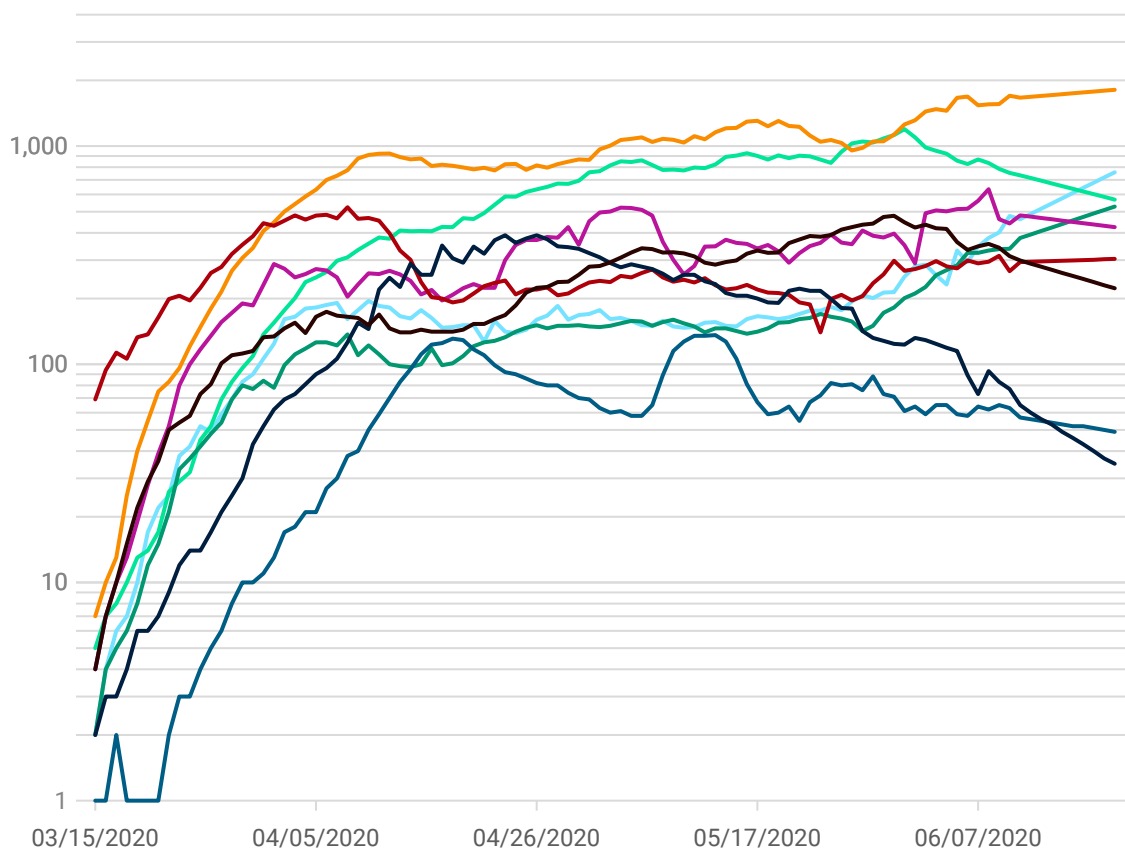


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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Actual and projected daily COVID-19 cases by state (RI-WI)

— Rhode Island — South Carolina — South Dakota — Tennessee — Texas — Utah — Virginia
— Washington — Wisconsin



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