

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.

Please note that this model does not try to predict the effect of "re-opening". Since the model is based on extrapolation of trends in the last 2-3 weeks, any increases in COVID-19 cases from relaxed restrictions can take up to a month to be reflected in the predictions.

Last model run

May 8, 2020 with Johns Hopkins Data from 5/7/2020.

- **Total deaths predicted by 7/7/2020: 168,042** (yesterday:172,030 until 7/6)
- **Excluding New York & New Jersey: 120,073** (yesterday: 124,514 until 7/6)
- **Predicted daily cases on 7/7/2020: 18,384** (yesterday: 20,181)
- **Predicted daily death on 7/7/2020: 1,225** (~ 74,000 per 2 months)

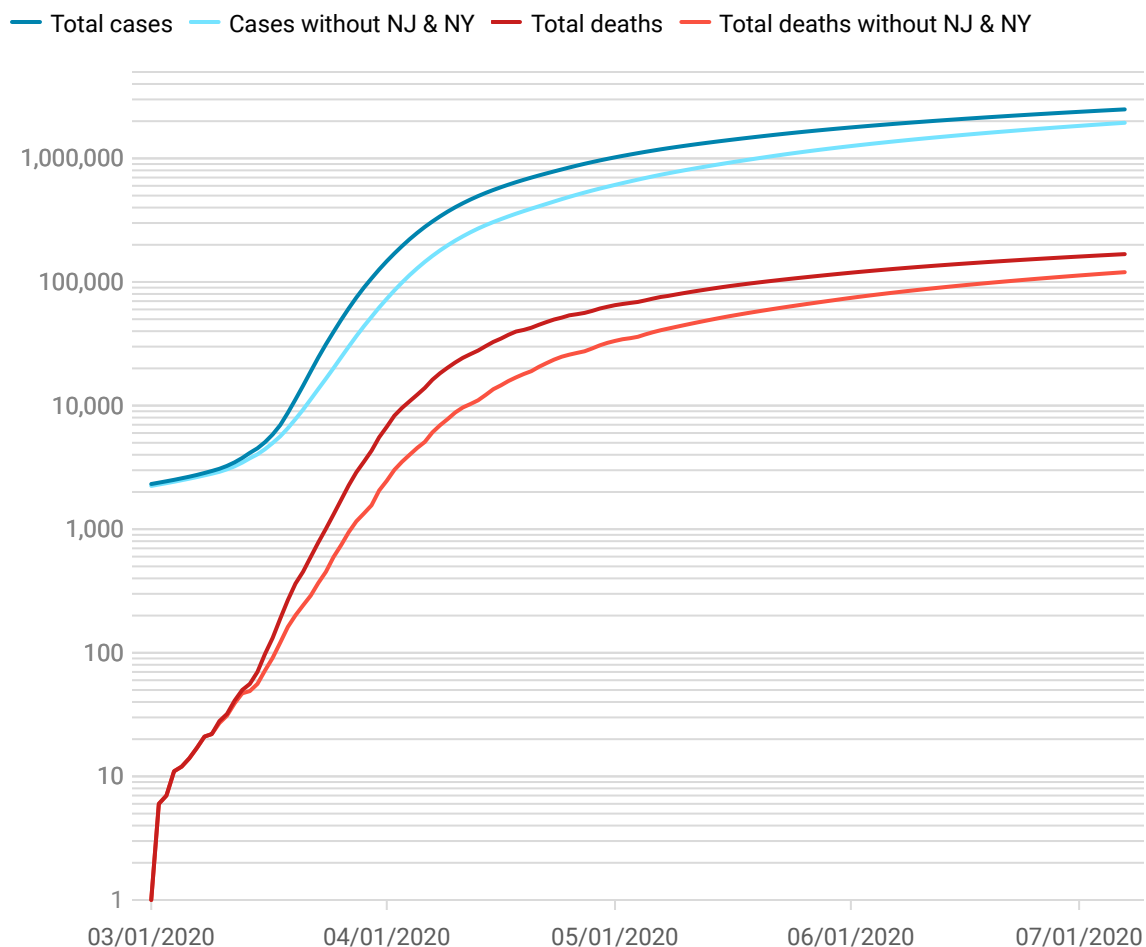
Summary

Today's numbers are lower than yesterday, continuing the trend observed for the last few days. This is despite an upwards trend in COVID-19 tests, with more than 300,000 test results reported for the last couple of days.

Illinois is now becoming the state with the highest number of new cases in the US, overtaking New York and New Jersey. Illinois is under a stay-at-home order that has a "broad" definition of businesses that are allowed to keep operating. As my earlier comparison of Nebraska and Montana has shown, this can be a significant factor in limiting the effectiveness of stay-at-home orders: the more people keep going to work, the more people will become infected, and then spread COVID-19.

Total projected COVID-19 cases and deaths

Future growth in cases per day limited to 14 days.

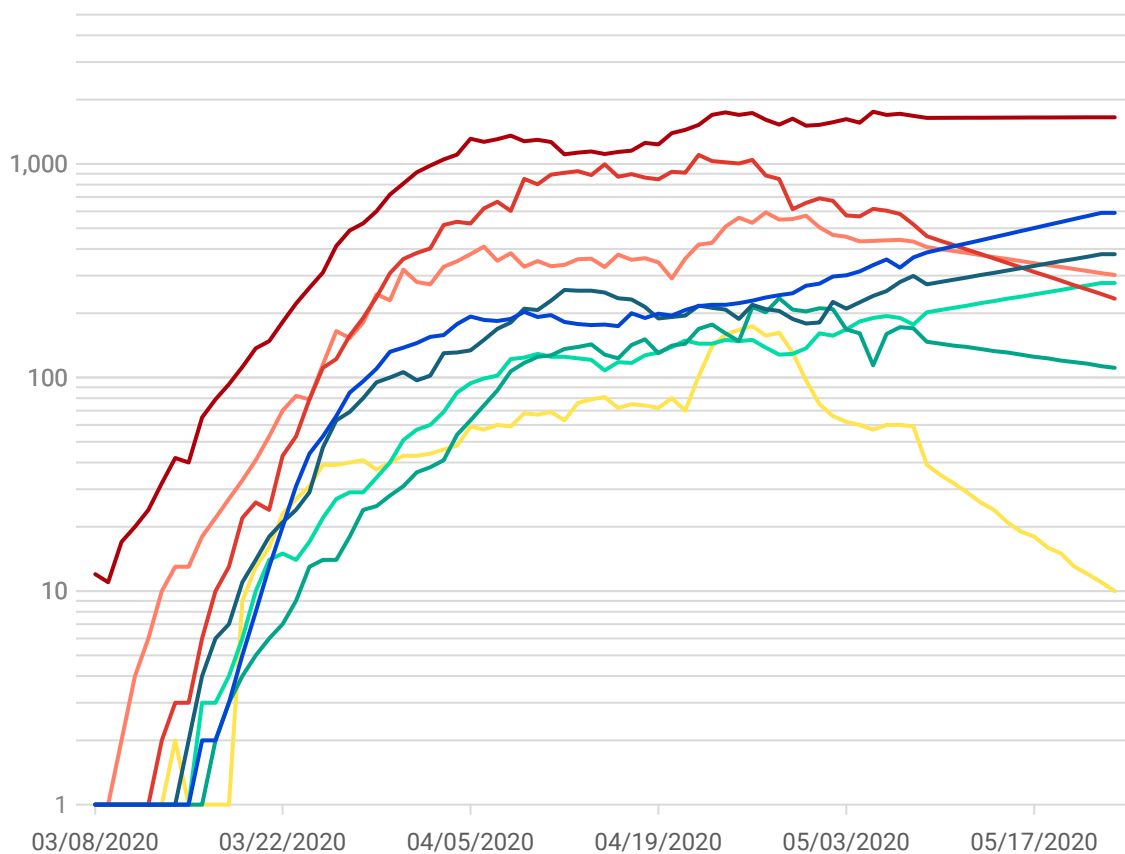


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

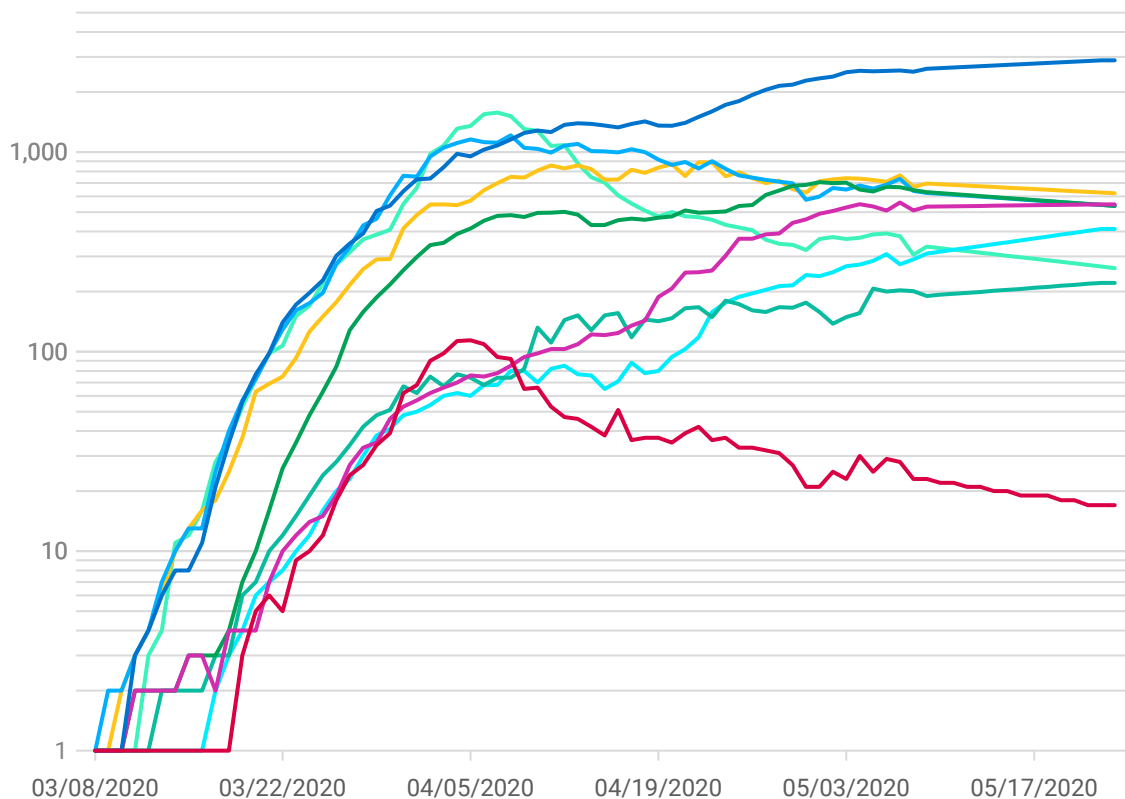


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky
Louisiana

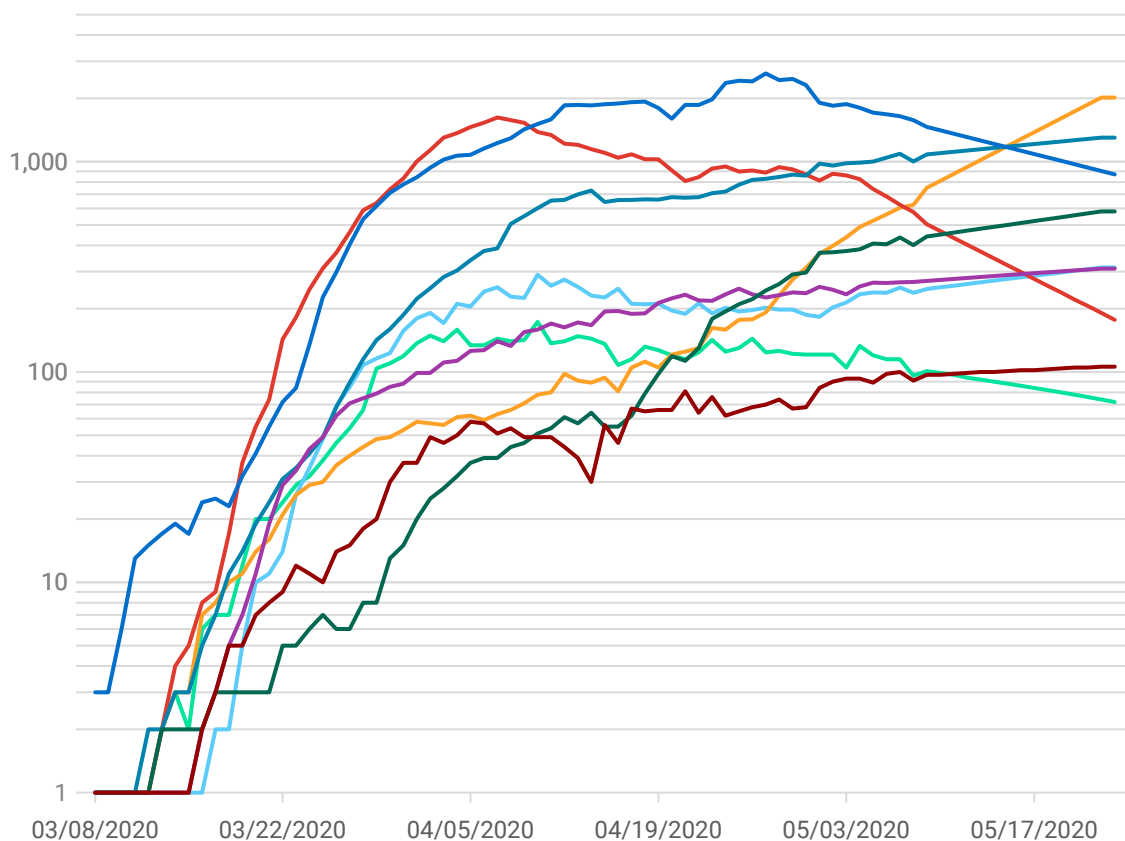


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

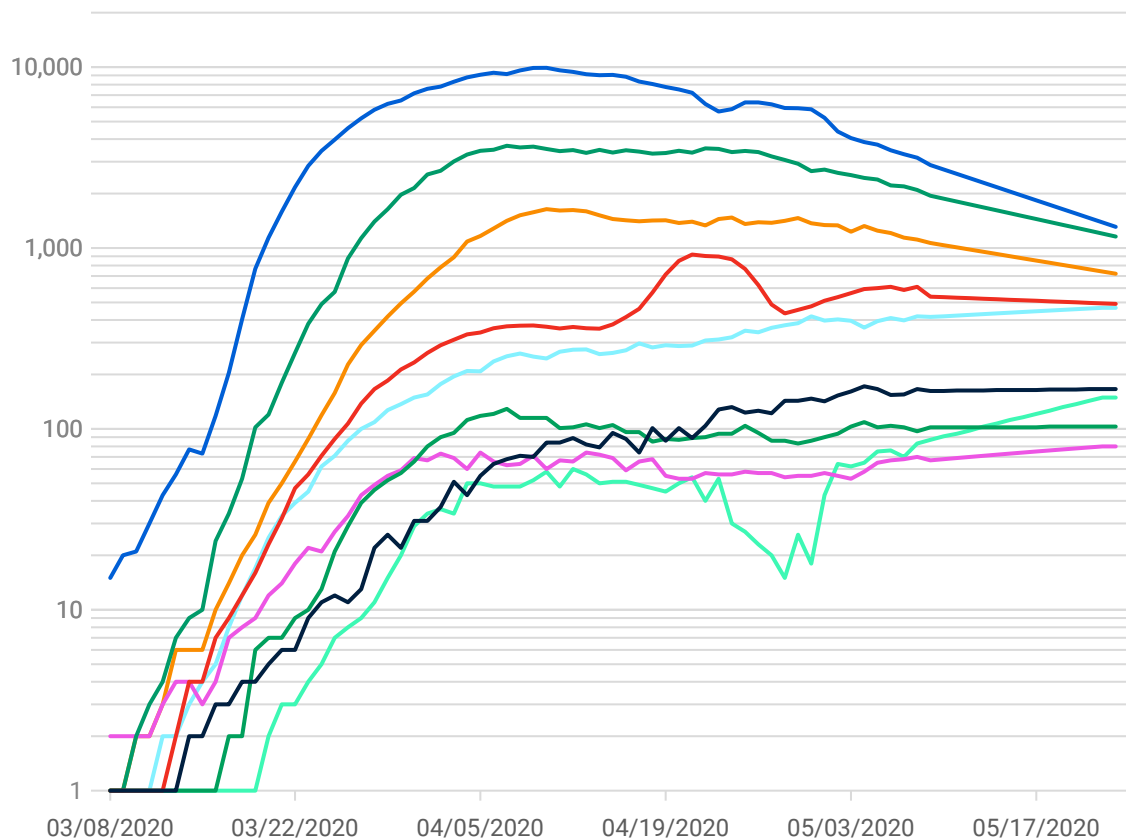


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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

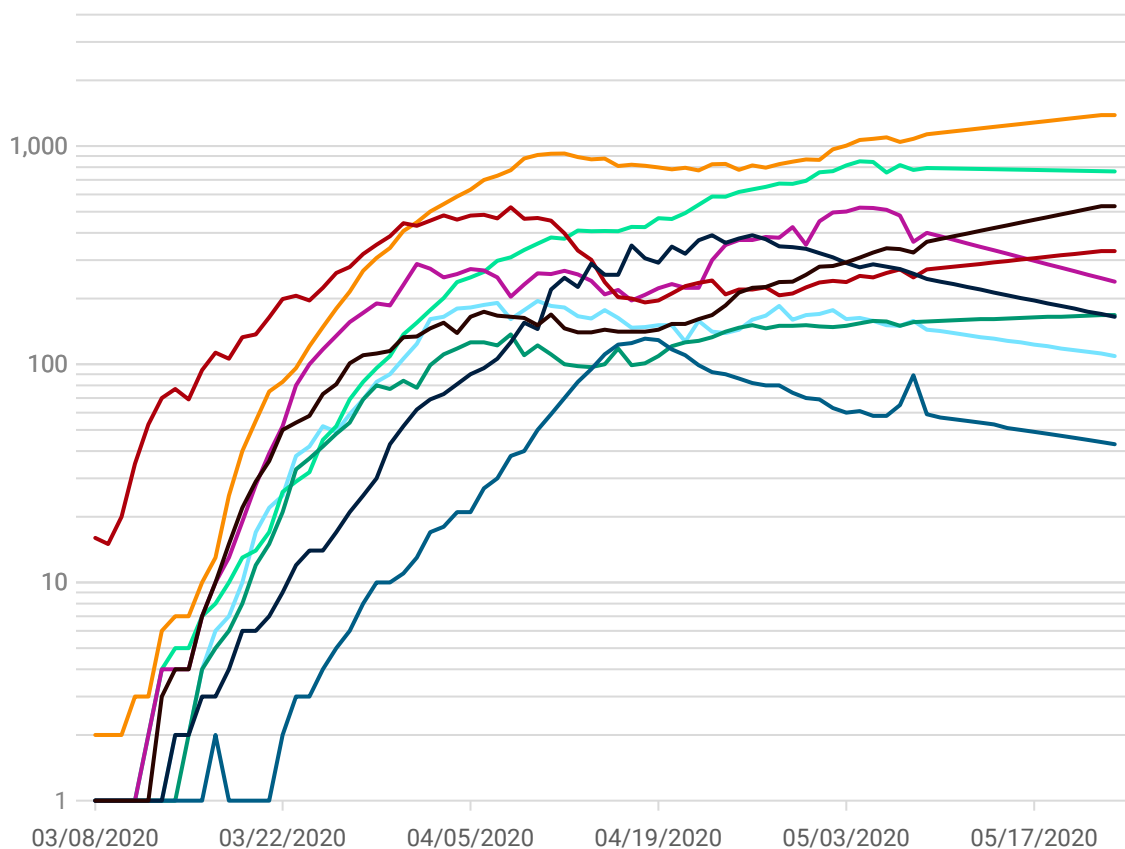


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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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