Corona Virus Science

This blog explains some of the science related to the corona virus (COVID-19) e
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 21, 2020 with Johns Hopkins Data from 5/20/2020.

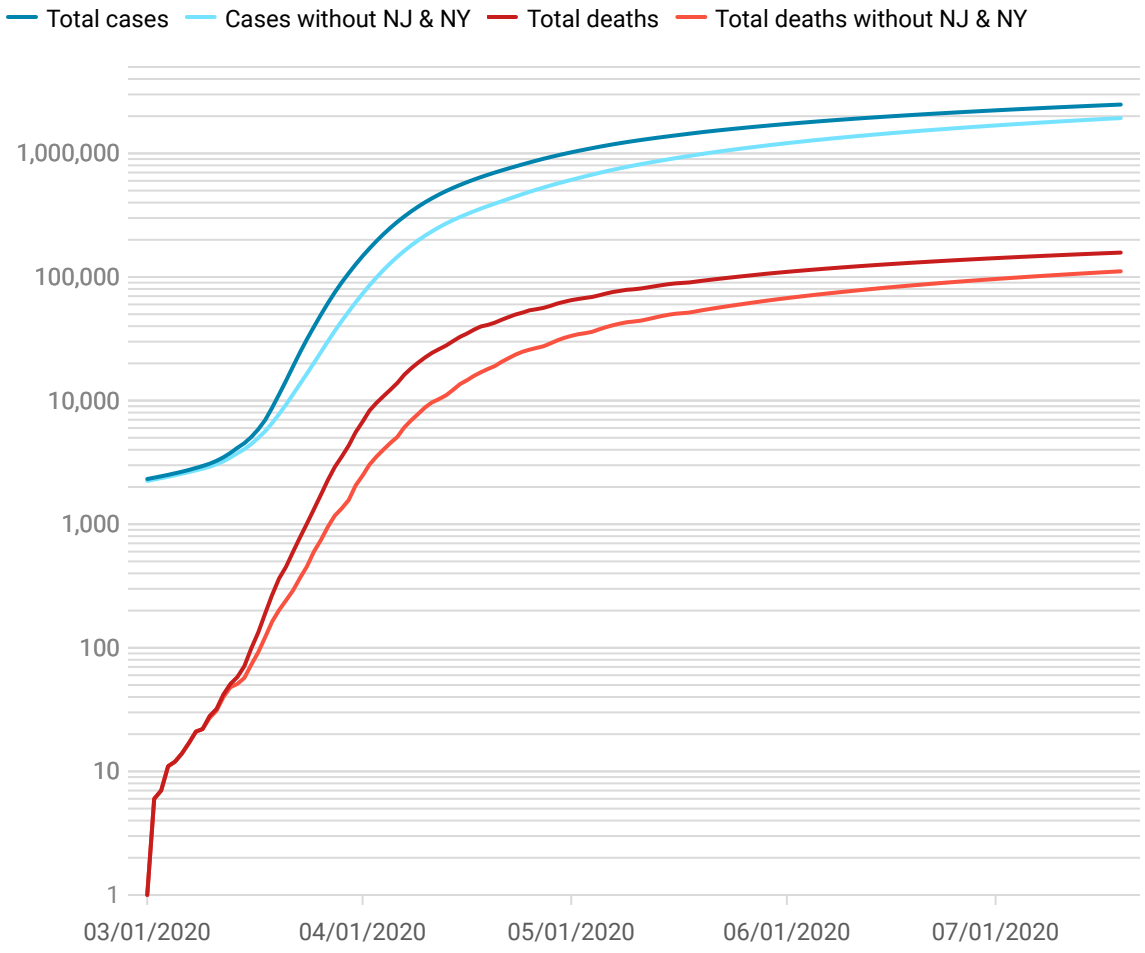
- **Total deaths predicted by 7/19/2020: 157,562** (yesterday:154,641 until 7/18)
- **Excluding New York & New Jersey: 111,180** (yesterday: 108,751 until 7/18)
- **Predicted daily cases on 7/19/2020: 13,472** (yesterday: 13,467)
- **Predicted daily death on 7/19/2020: 812** (yesterday: 781; ~ 49,000 per 2 months)

Summary

Today's numbers are higher than yesterday. In the last five days, the number of predicted daily deaths at the end of the forecast period has increased by 30%, from 623 to 812. Using 7-day trend lines only, the predicted number of daily deaths increases to 1,332. It is quite possible that we will see predictions move towards this higher number over the next week.

Total projected COVID-19 cases and deaths

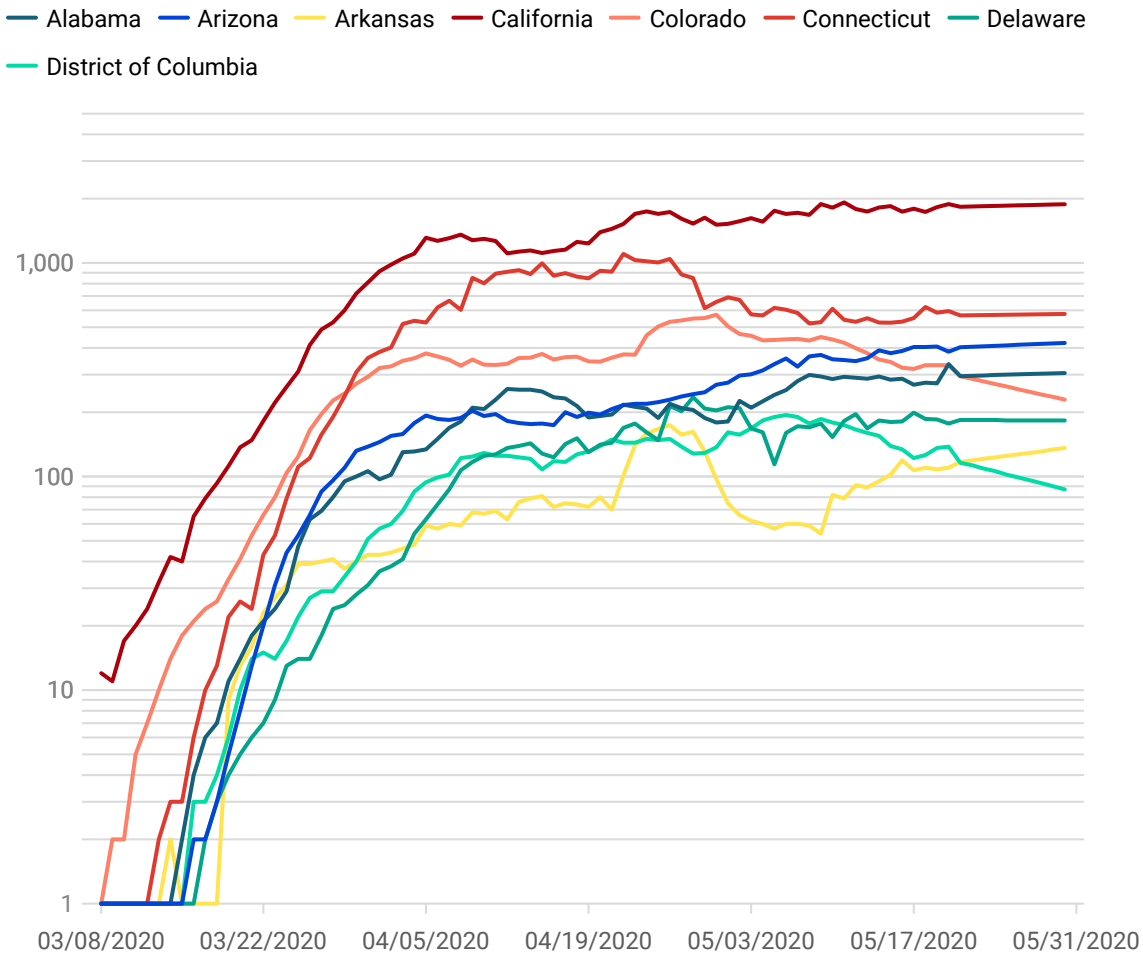
Future growth in cases per day limited to 14 days.



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)



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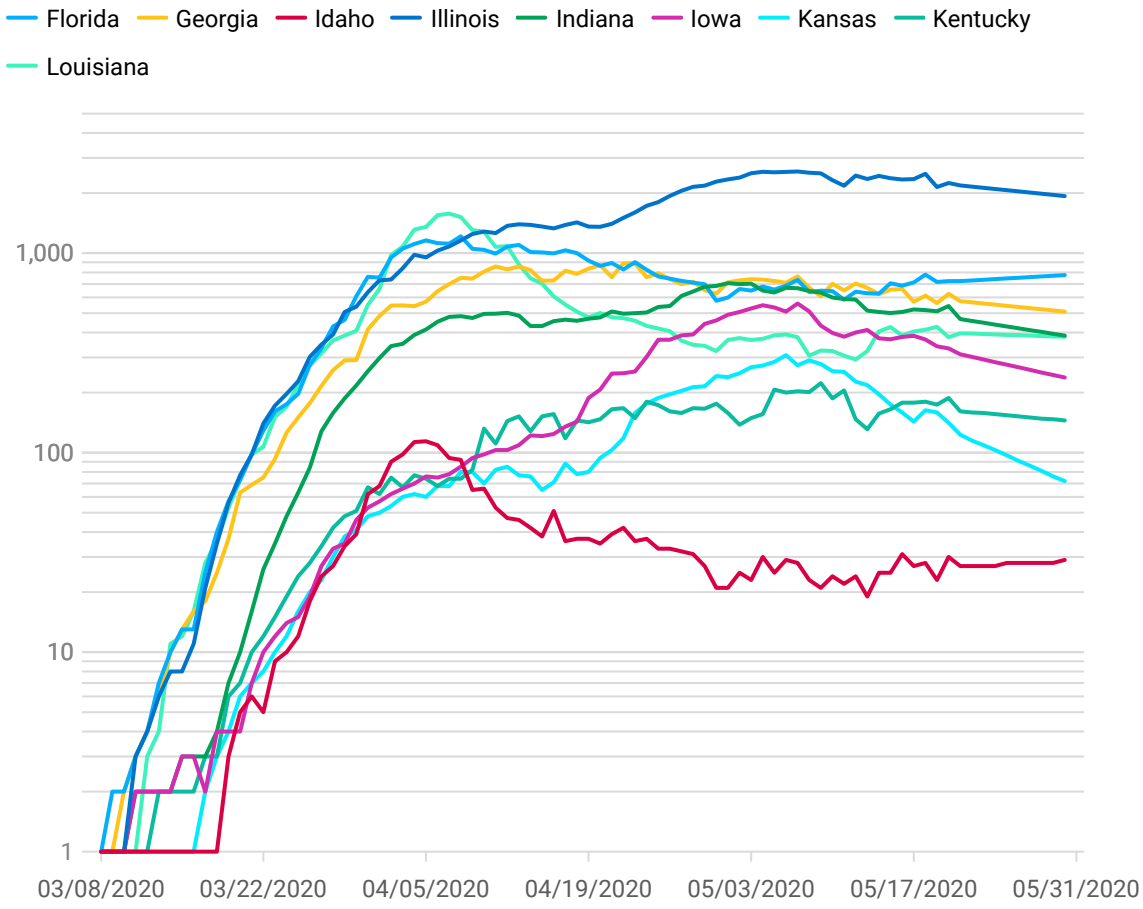
Actual and projected daily COVID-19 cases by state (FL-LA)



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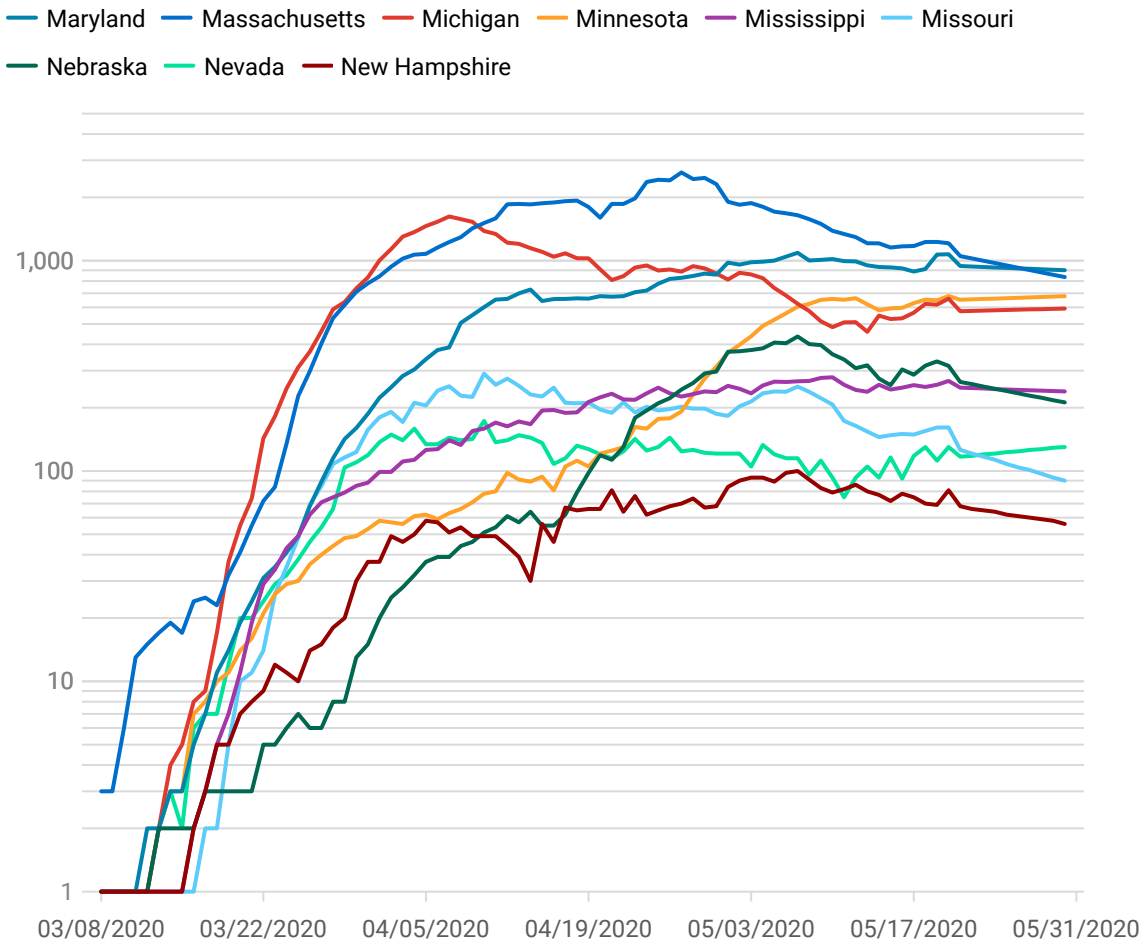
Actual and projected daily COVID-19 cases by state (MD-NH)



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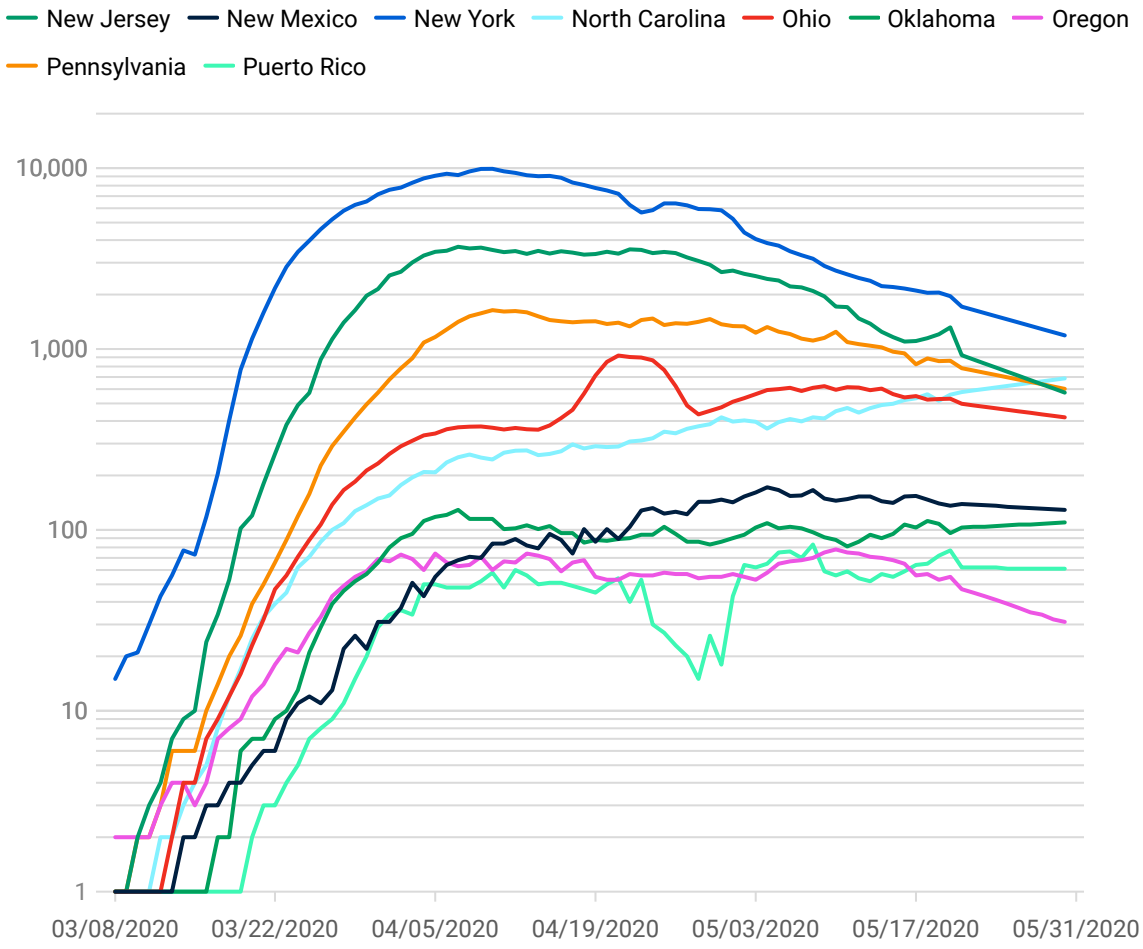
Actual and projected daily COVID-19 cases by state (NM-PR)



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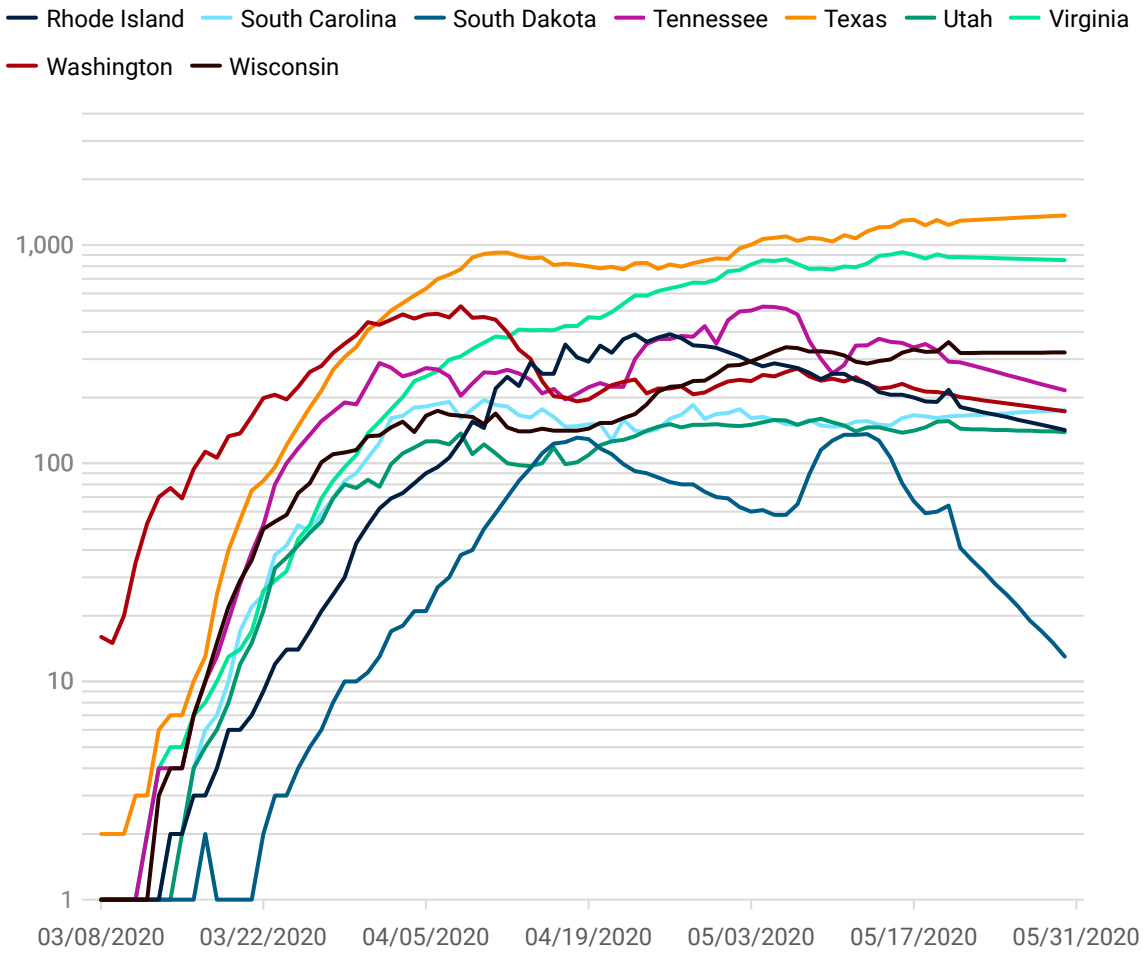
Actual and projected daily COVID-19 cases by state (RI-WI)



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