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 15, 2020 with Johns Hopkins Data from 5/14/2020.

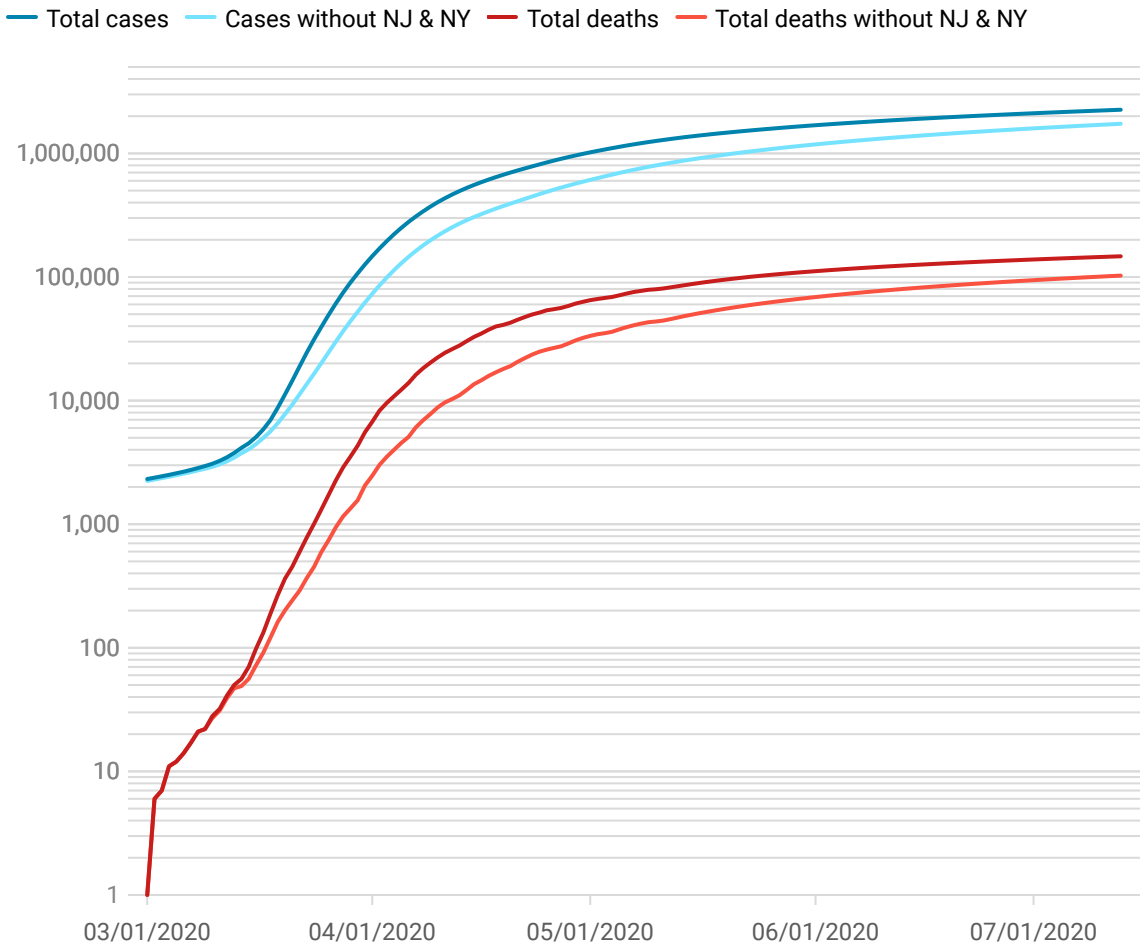
- **Total deaths predicted by 7/13/2020: 147,068** (yesterday:144,654 until 7/12)
- **Excluding New York & New Jersey: 102,599** (yesterday: 100,155 until 7/12)
- **Predicted daily cases on 7/13/2020: 11,534** (yesterday: 10,623)
- **Predicted daily death on 7/13/2020: 676** (~ 41,000 per 2 months)

Summary

Today's numbers show a slight increase over yesterday's number. For the first time yesterday, the state with the highest reported number of new COVID-19 cases was Illinois. The current projection has also has Illinois as the state with the highest number of cases at the end of May. At least one county in Illinois has announced that it has stopped enforcing the governor's stay-at-home order.
Texas shows an increasing trend, and is projected to have the third-highest number of daily COVID-19 cases before the end of the month, behind Illinois and California, and ahead of Virginia.

Total projected COVID-19 cases and deaths

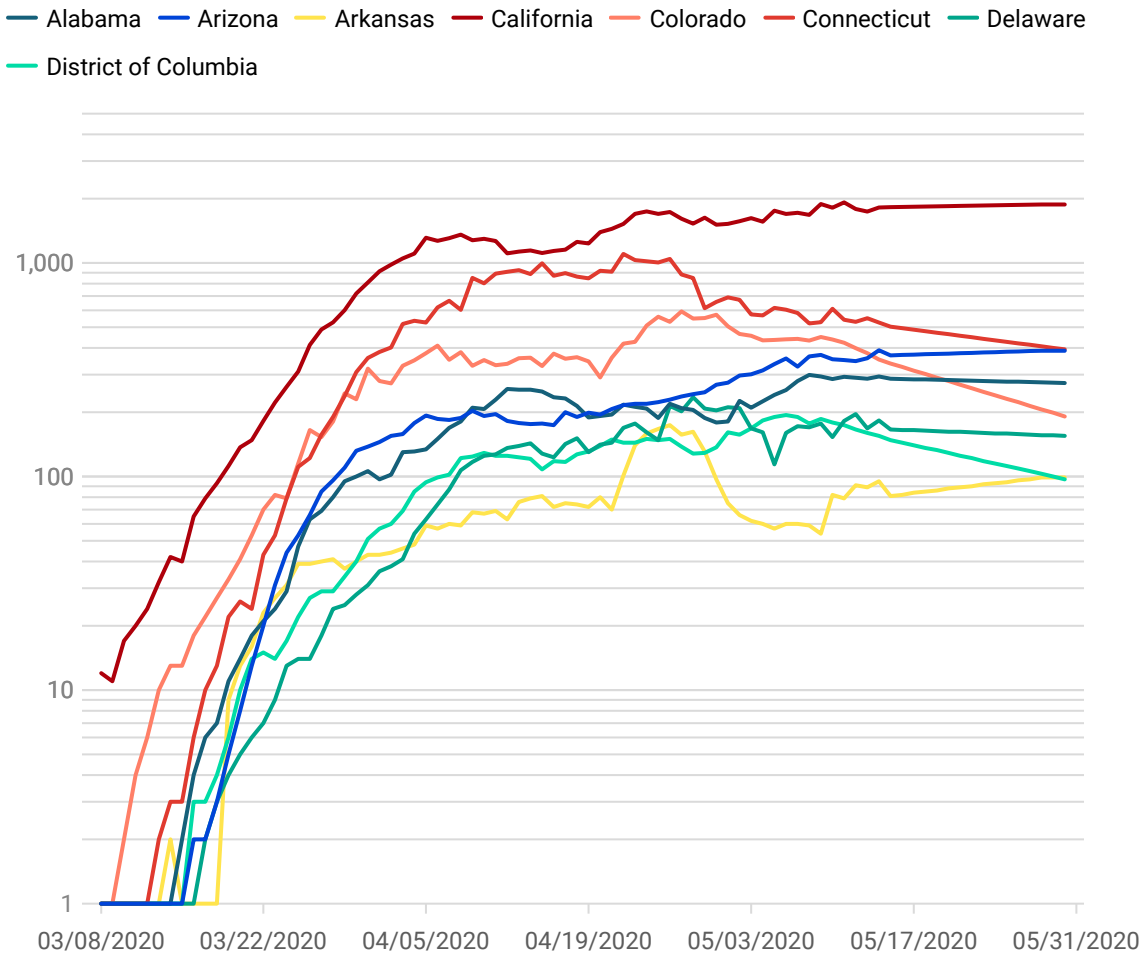
Future growth in cases per day limited to 14 days.



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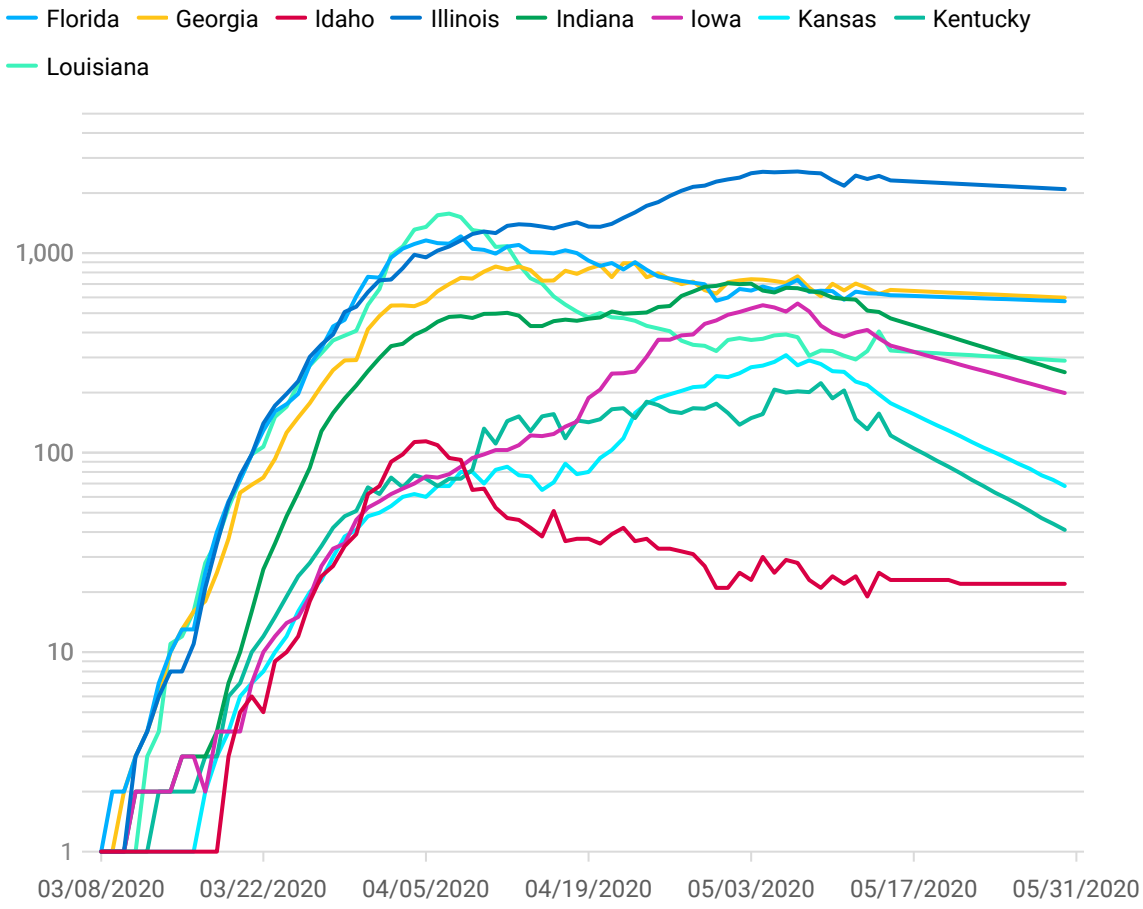
Actual and projected daily COVID-19 cases by state (FL-LA)



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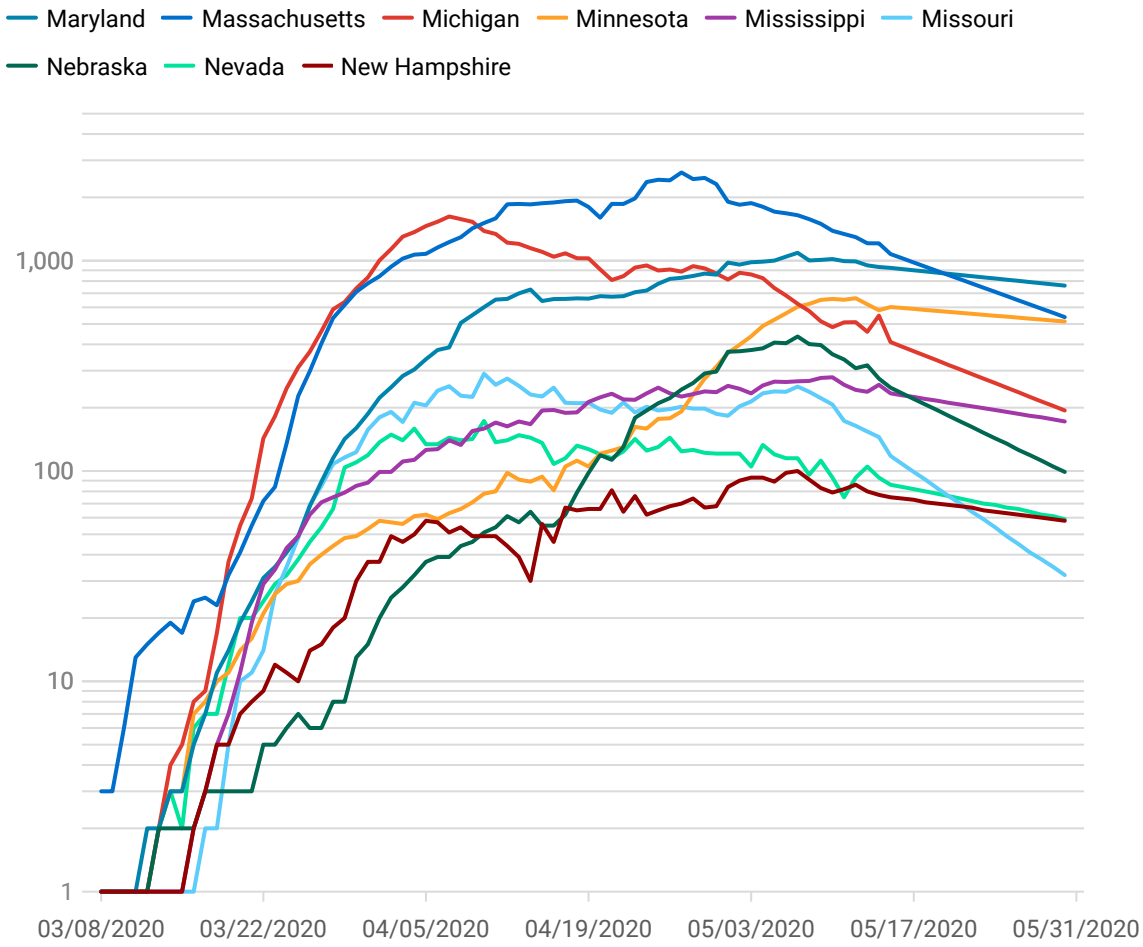
Actual and projected daily COVID-19 cases by state (MD-NH)



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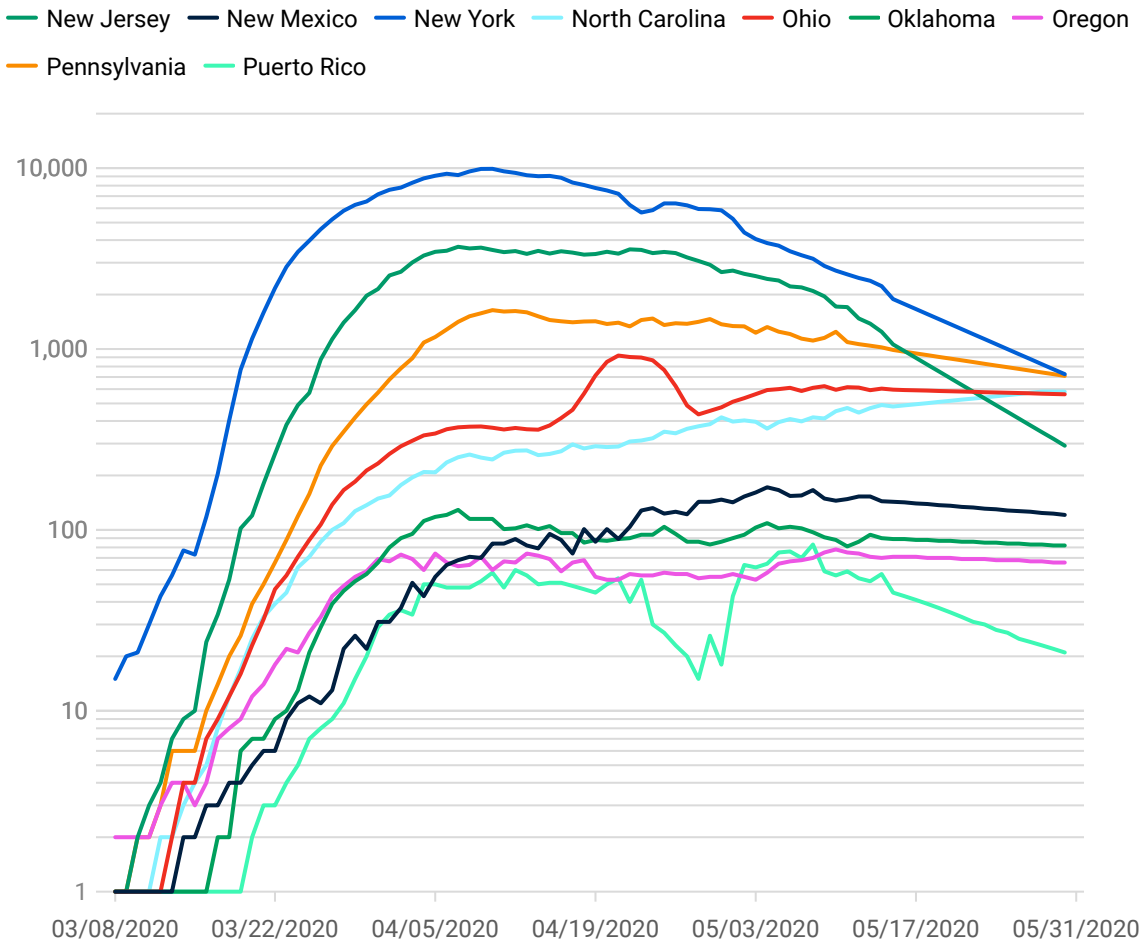
Actual and projected daily COVID-19 cases by state (NM-PR)



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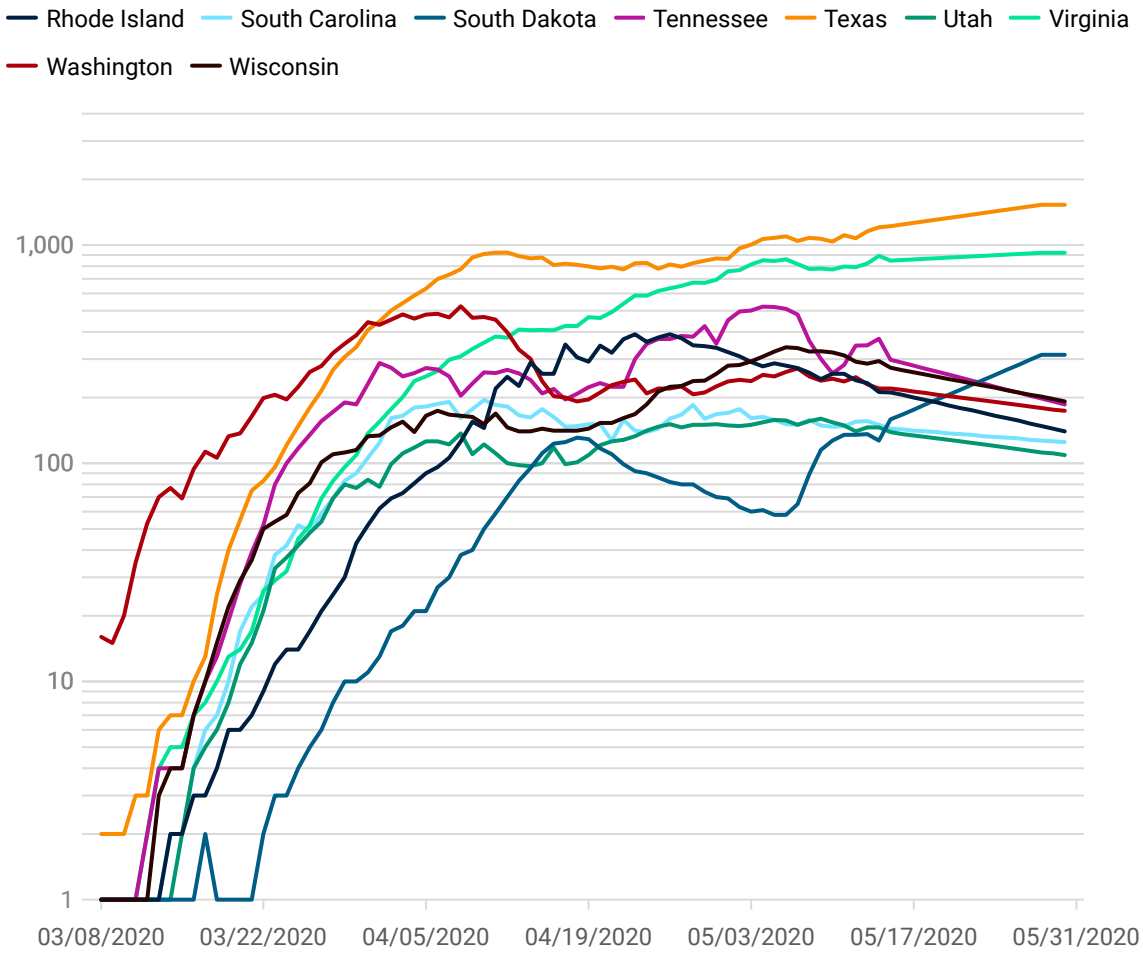
Actual and projected daily COVID-19 cases by state (RI-WI)



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