

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.

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## 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 23, 2020 with Johns Hopkins Data from 5/22/2020.

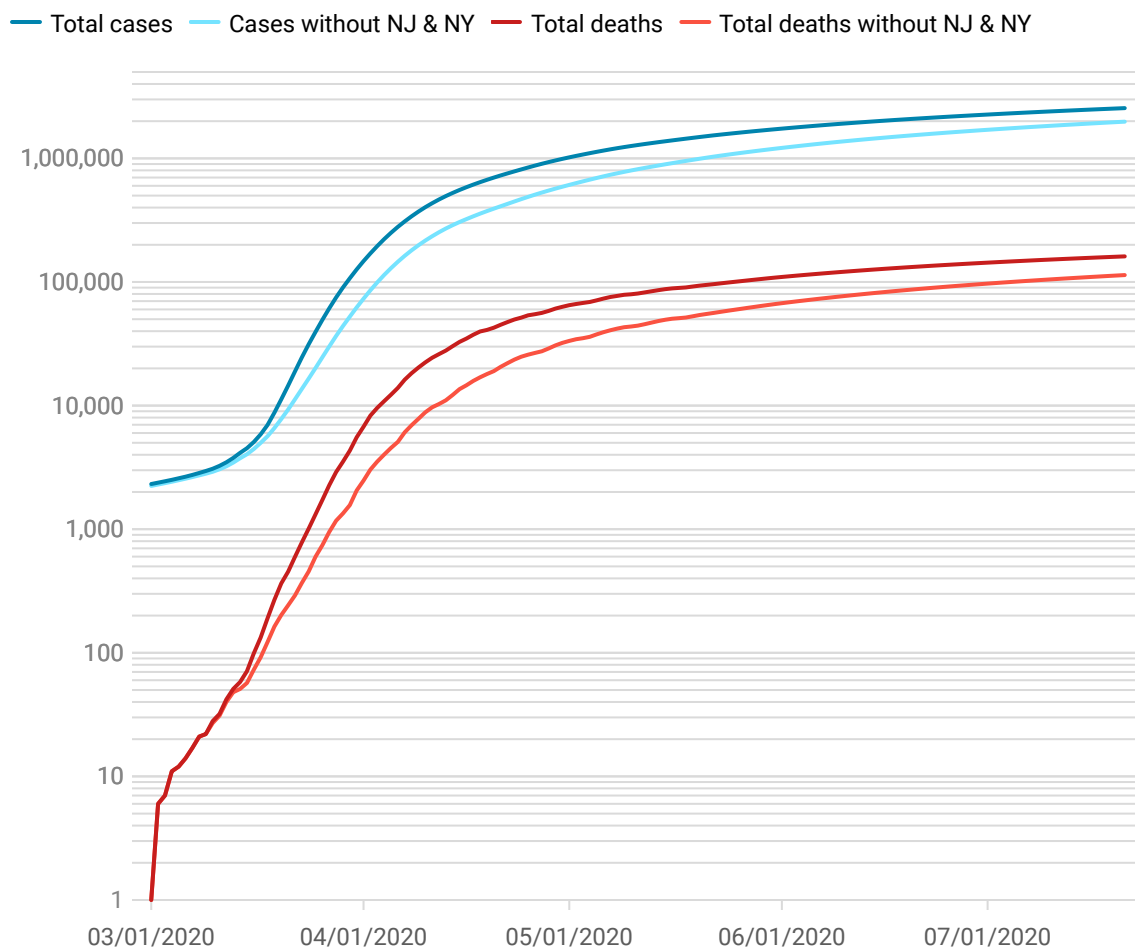
- **Total deaths predicted by 7/21/2020: 161,159** (yesterday: 159,688 until 7/20)
- **Excluding New York & New Jersey: 113,765** (yesterday: 112,804 until 7/20)
- **Predicted daily cases on 7/21/2020: 13,589** (yesterday: 13,672)
- **Predicted daily deaths on 7/21/2020: 828** (yesterday: 837 ~ 50,000 per 2 months)

### Summary

Today's totals are slightly higher than yesterday. This is the seventh successive day of increases. But while predicted totals are higher, the number of predicted daily cases and deaths at the end of the forecast has gone down a little bit. This, however, is expected, since the model limits any increases in daily case numbers to 14 days, while allowing decreases for the entire time period. Without limiting the time that case numbers in a state can grow, the predicted number of daily deaths would be 25,209, and the number of daily deaths would be 1,125.

## Total projected COVID-19 cases and deaths

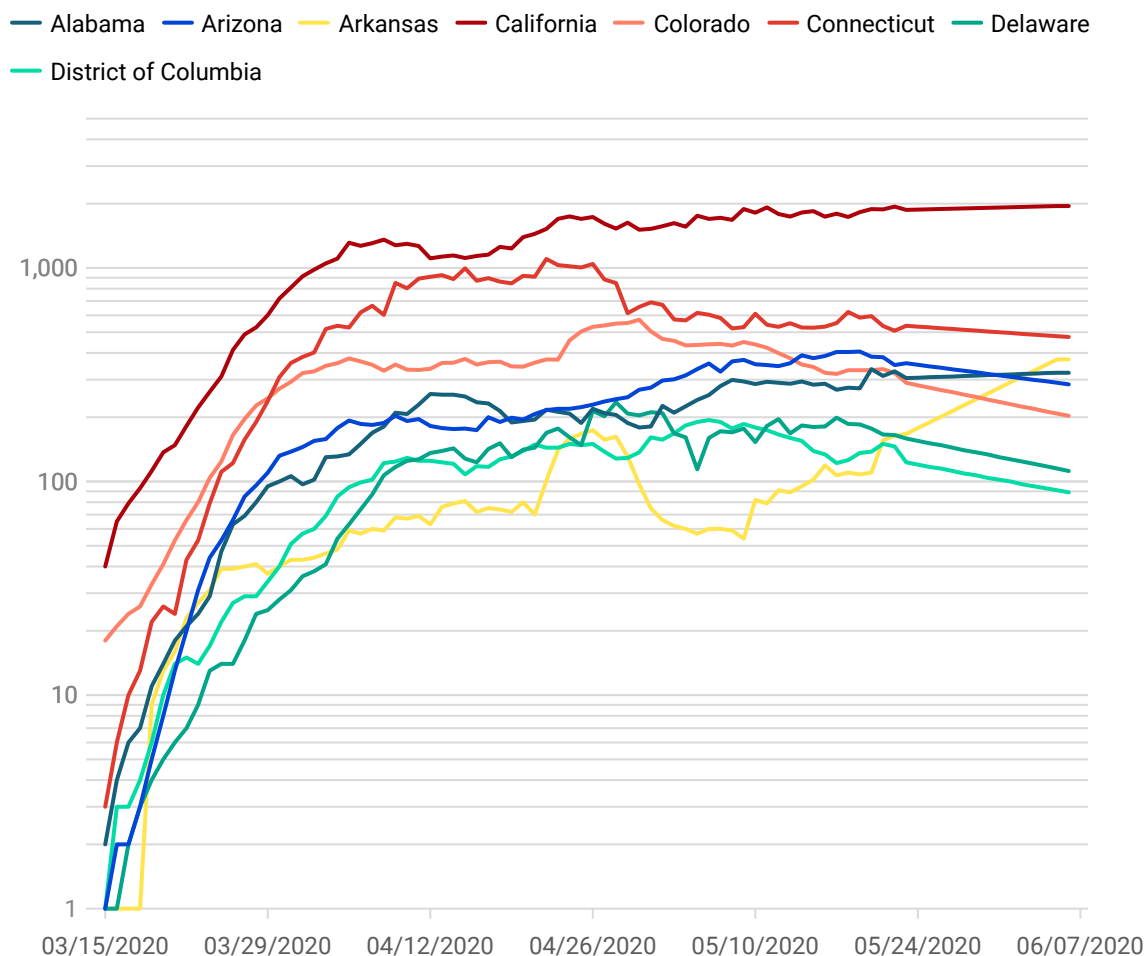
Future growth in cases per day limited to 14 days.



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

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

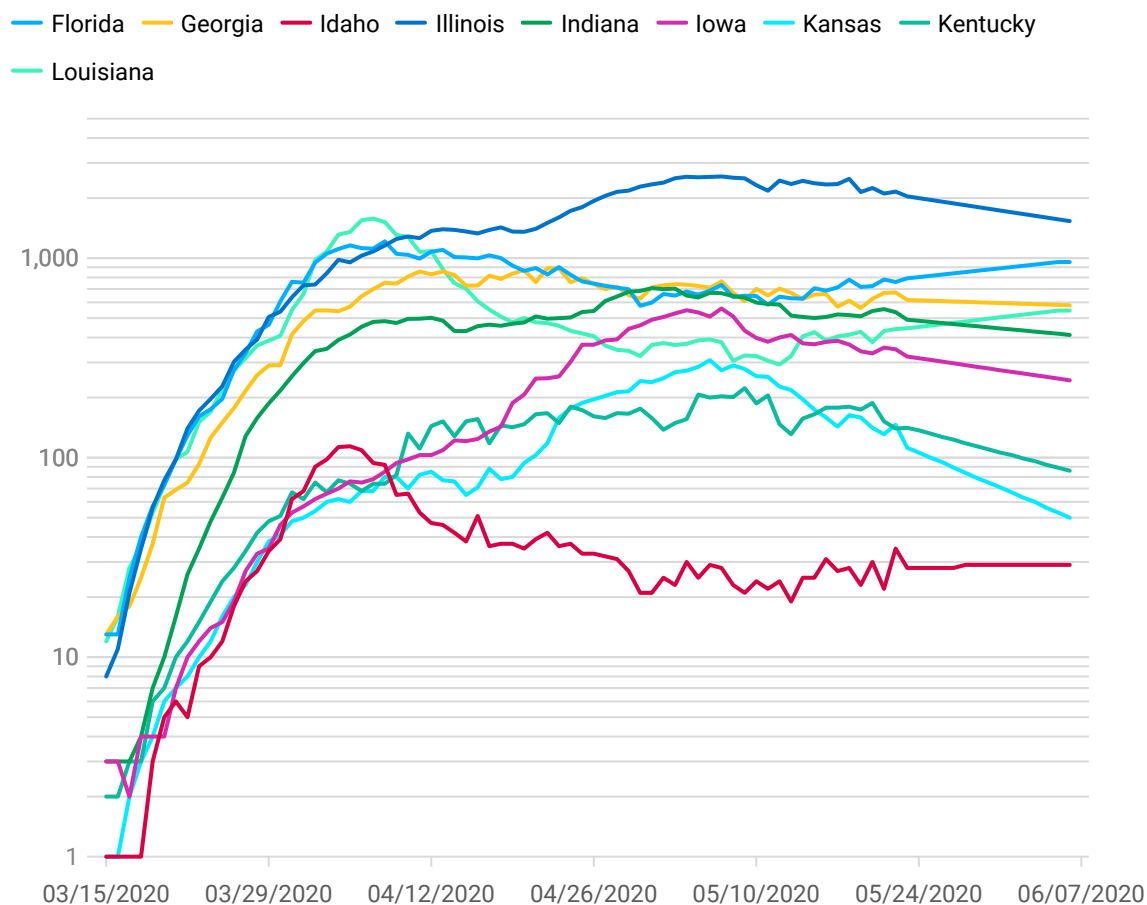
## Actual and projected daily COVID-19 cases by state (AL-DC)



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)

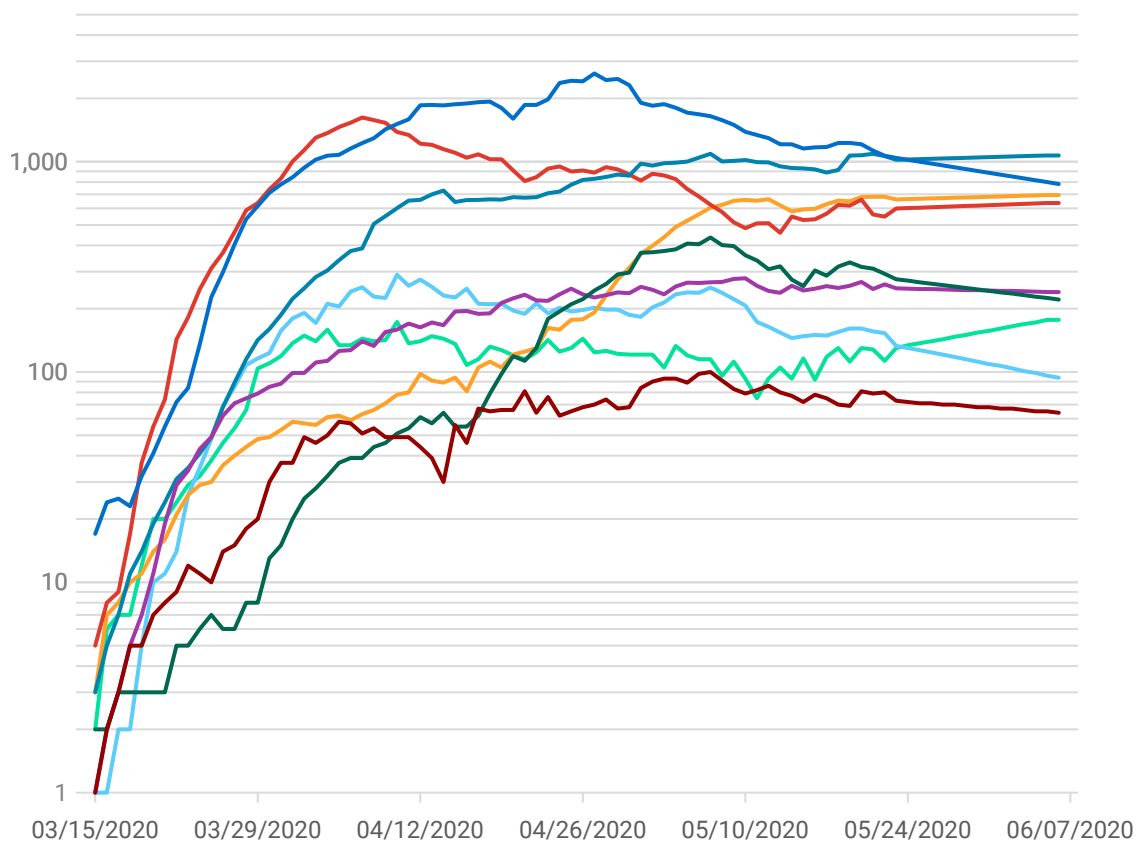


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

Chart: [covid19science.blogspot.com](https://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

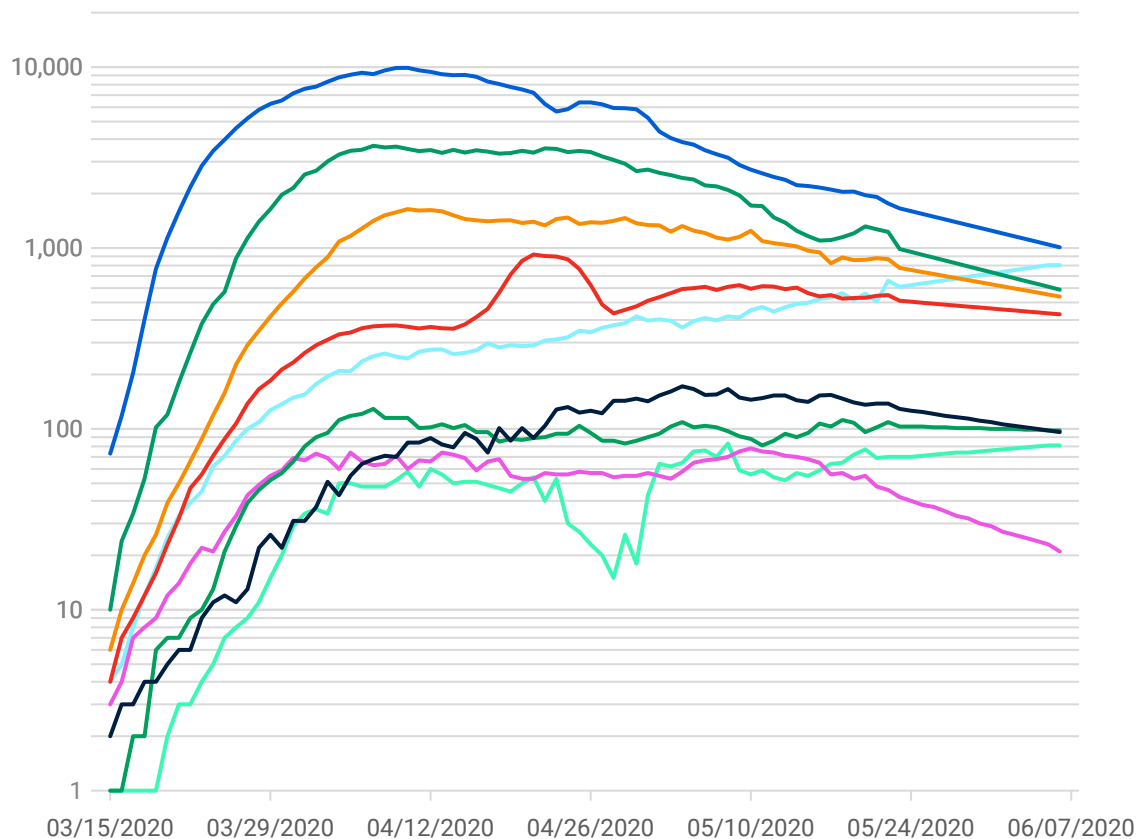


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

## 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

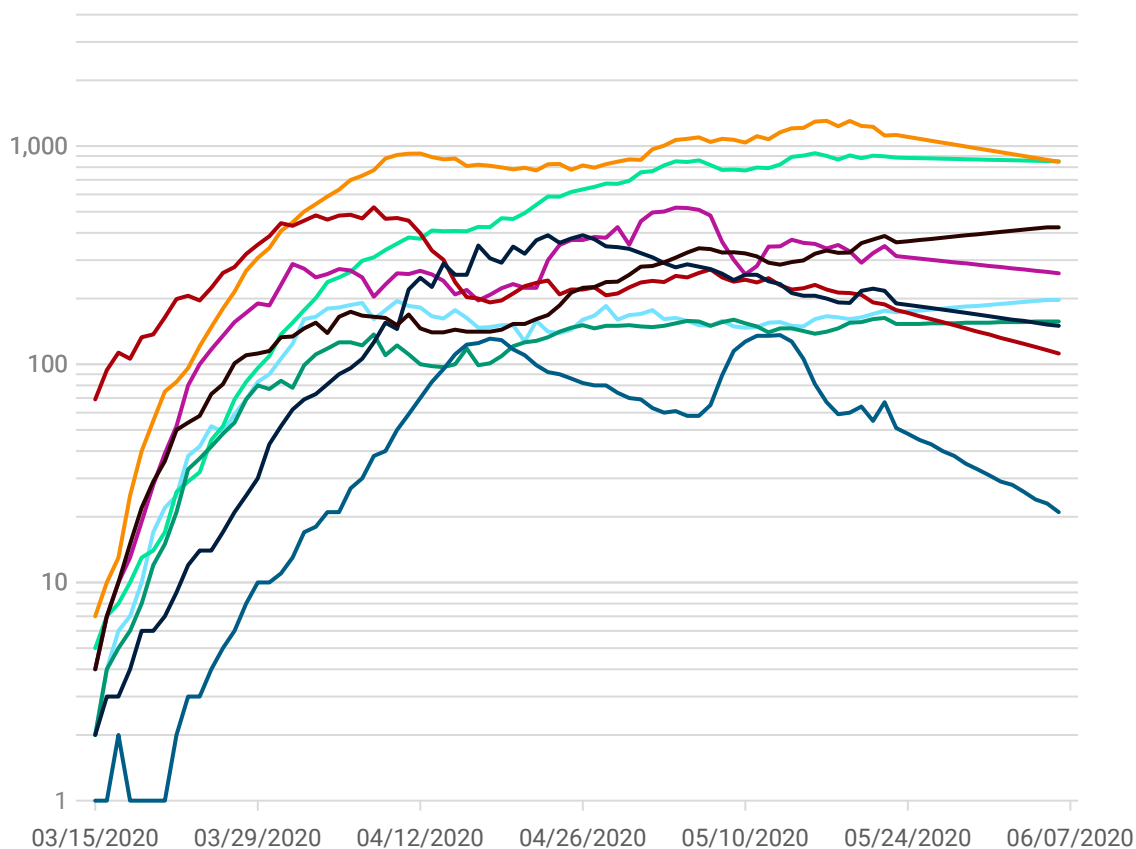


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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



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

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