

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 20, 2020 with Johns Hopkins Data from 6/19/2020.

- **Predicted daily deaths on 8/18/2020: 1,243** (yesterday: 1,190; ~ 72,000 per 2 months)
- **Predicted daily cases on 8/18/2020: 30,737** (yesterday: 28,914)
- **Total deaths predicted by 8/18/2020: 192,219** (yesterday: 189,275 until 8/17)
- **Excluding New York & New Jersey: 145,919** (yesterday: 143,129 until 8/17)

Summary

Today's numbers continue the trend of steady increases we have seen for the last week. Compared to 6 days ago, the number of daily cases at the end of the forecast period has increased by more than 50%, from 19,170 to 30,737.

The data from Johns Hopkins show several irregularities. For North Carolina, the data did not show any new cases yesterday, even though the NC COVID-19 dashboard shows 1,652 new cases. I corrected this for the model run.

Two other states also do not show any new cases in yesterday's data: Mississippi and Louisiana. The Louisiana state web page cites a "new process for improved de-duplication" as the cause for removing 1,666 "duplicate" cases. The note is undated, but appears recent.

The Mississippi web page states "technical problems in our data reporting system" and has not been updated for two days, since June 17. Before June 17, Mississippi reported about 550 to 600 new cases per day, with a stable to increasing trend.

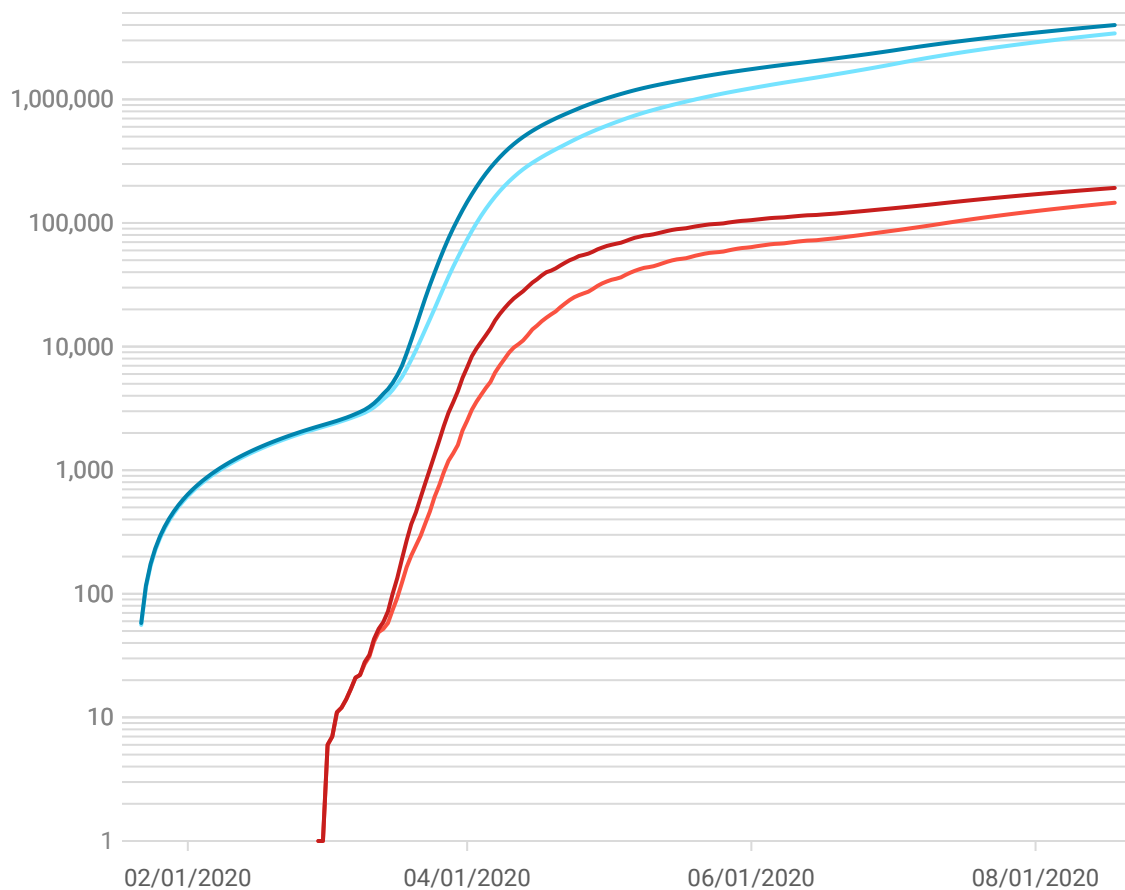
Worldometers reports 33,539 new COVID-19 cases for yesterday. This number includes 384 cases for Mississippi (which is the reported number for June 17), but no cases for Louisiana.

Nevertheless, this is the highest number of new COVID-19 cases in the US since May 1.

Total projected COVID-19 cases and deaths

Future growth in cases per day limited to 14 days.

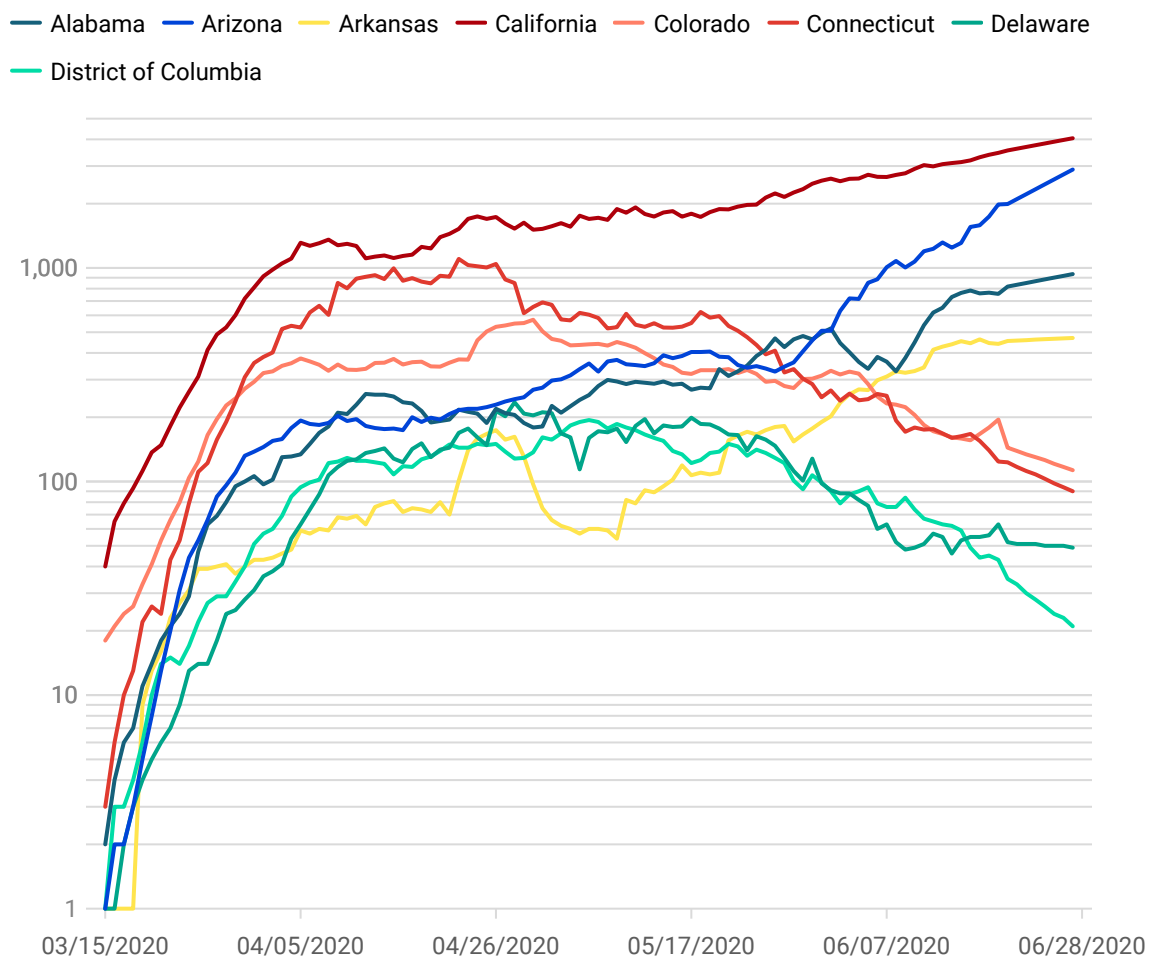
— Total cases — Cases without NJ & NY — Total deaths — Total deaths without NJ & NY



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

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

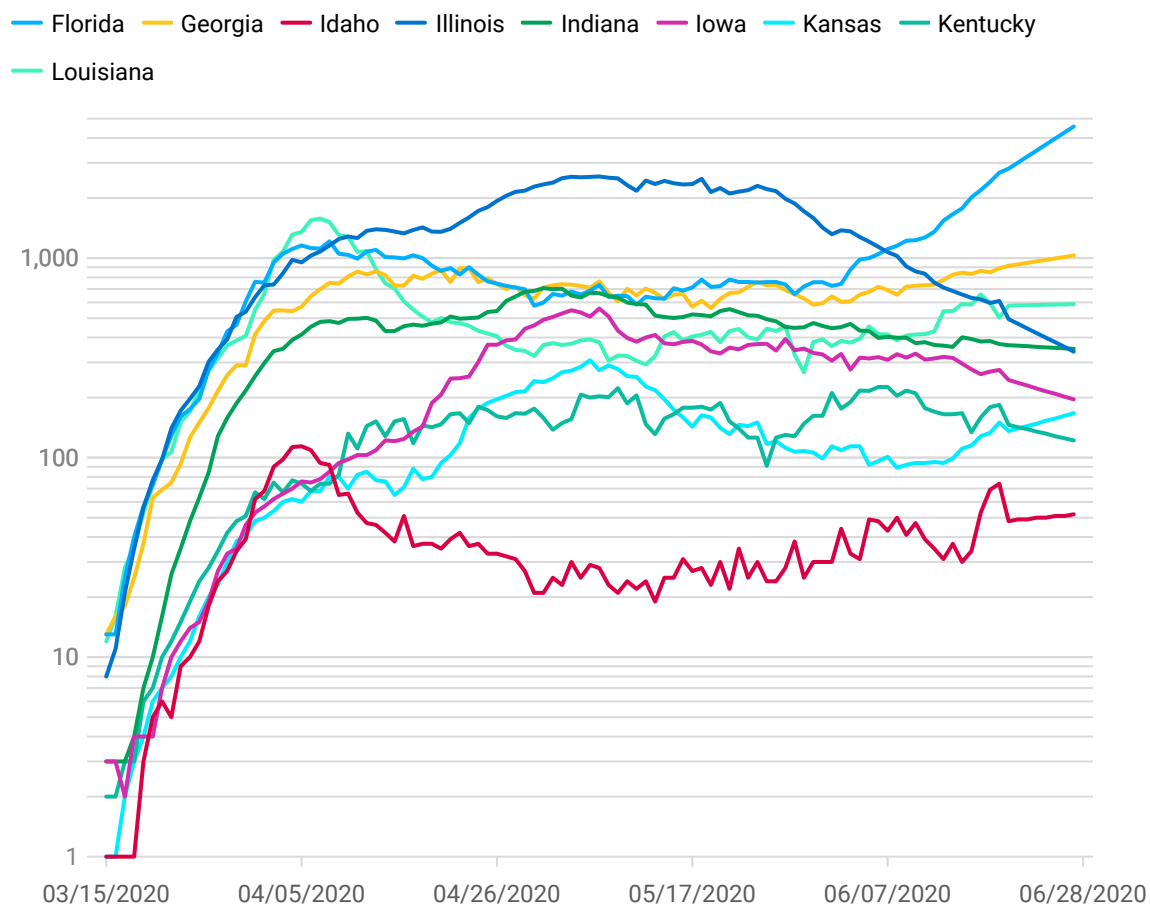
Actual and projected daily COVID-19 cases by state (AL-DC)



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)

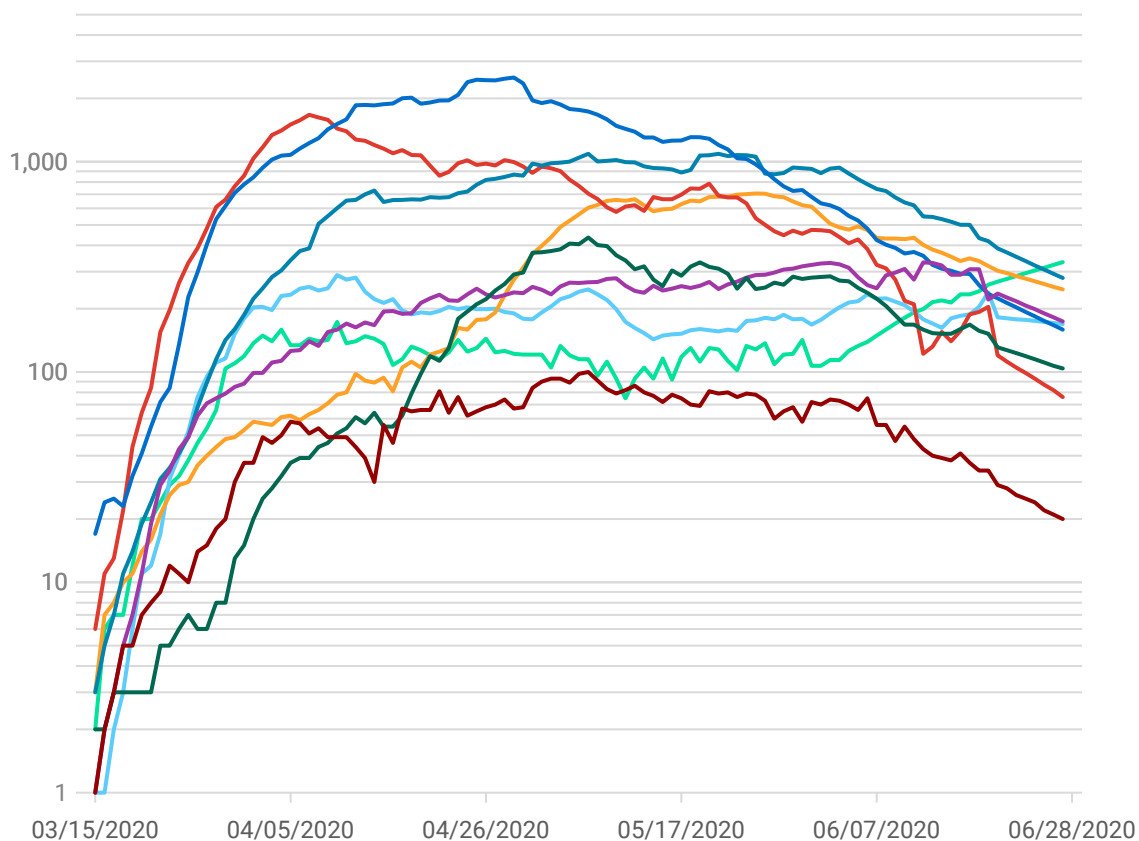


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

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

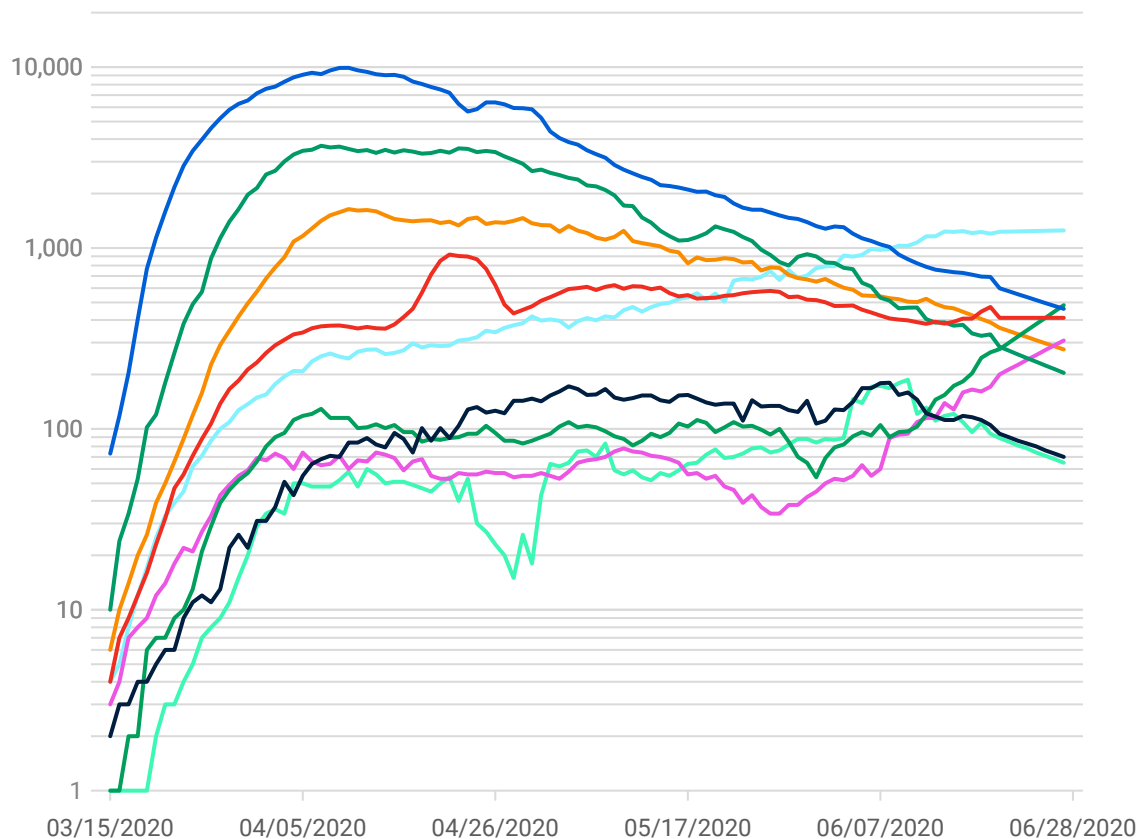


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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

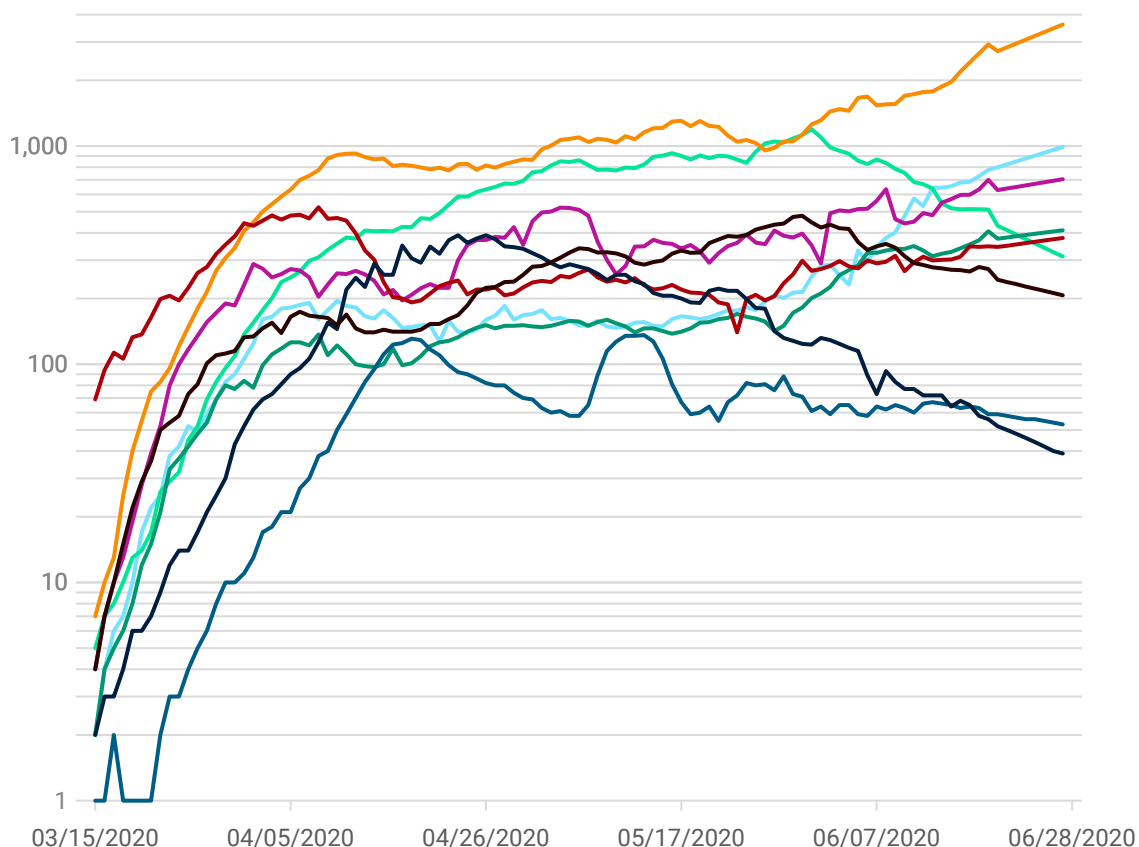


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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



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

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