

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

July 26, 2020 with Johns Hopkins Data from 7/25/2020.

- **Predicted daily deaths on 9/23/2020: 1,704** (previous run: 2,442; ~ 102,000 per 2 months)
- **Predicted daily cases on 9/23/2020: 52,860** (previous run: 86,754)
- **Total deaths predicted by 9/23/2020: 256,275** (previous run: 281,298 until 9/16)
- **Total predicted cases by 9/23/2020: 7,561,450** (previous run: 8,645,809 until 9/16)

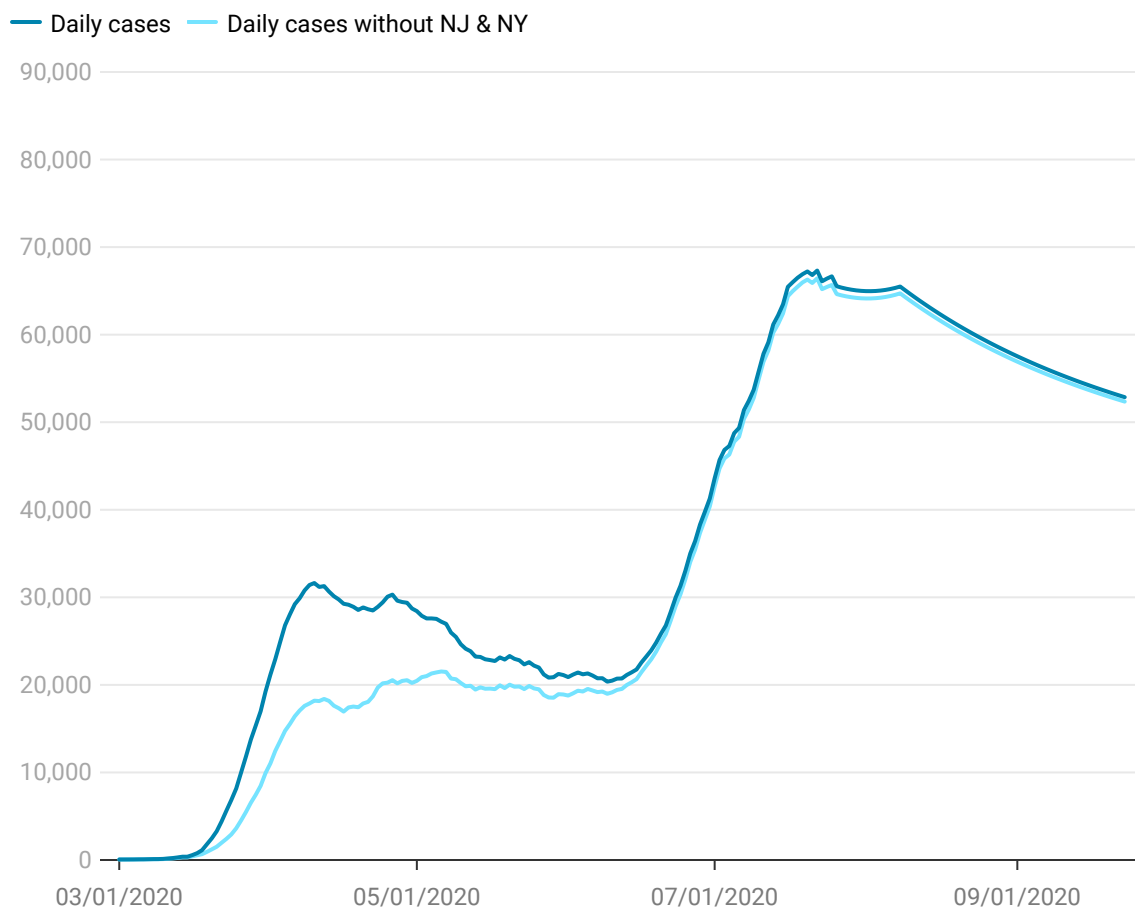
Summary

Compared to the last model run 7 days ago, all numbers show large drops. The biggest absolute changes are for Texas and Florida, where the model now predicts that case numbers will go down, rather than up as in last weeks run. Of the 44 states in the graphs below, the predicted case numbers are lower by at least 20% for a total of 20 states, while 11 states have predicted case numbers that increased by at least 20% over last weeks run.

Many states and regions have rolled back "re-opening" measures and issued face mask mandates, which is probably a major cause of the predicted drop. Furthermore, increased transmissions from the 4th of July weekend probably also played a role. New infections from 4th of July festivities would be expected to influence the previous model run quite heavily, if the delay between infection, symptoms, and testing is taken into consideration. But most such "4th of July infections" would have been reflected by last week.

Daily actual and projected COVID-19 cases

Using 7-day averages for actual cases; future growth limited to 14 days.

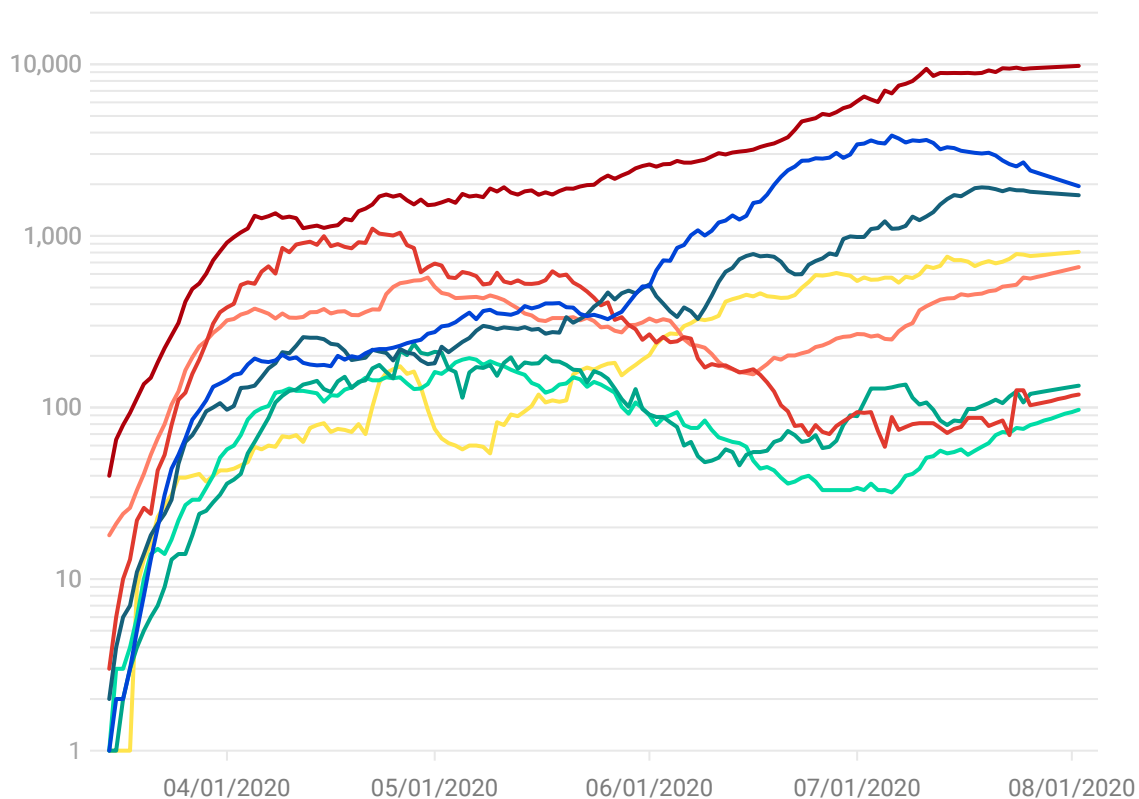


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

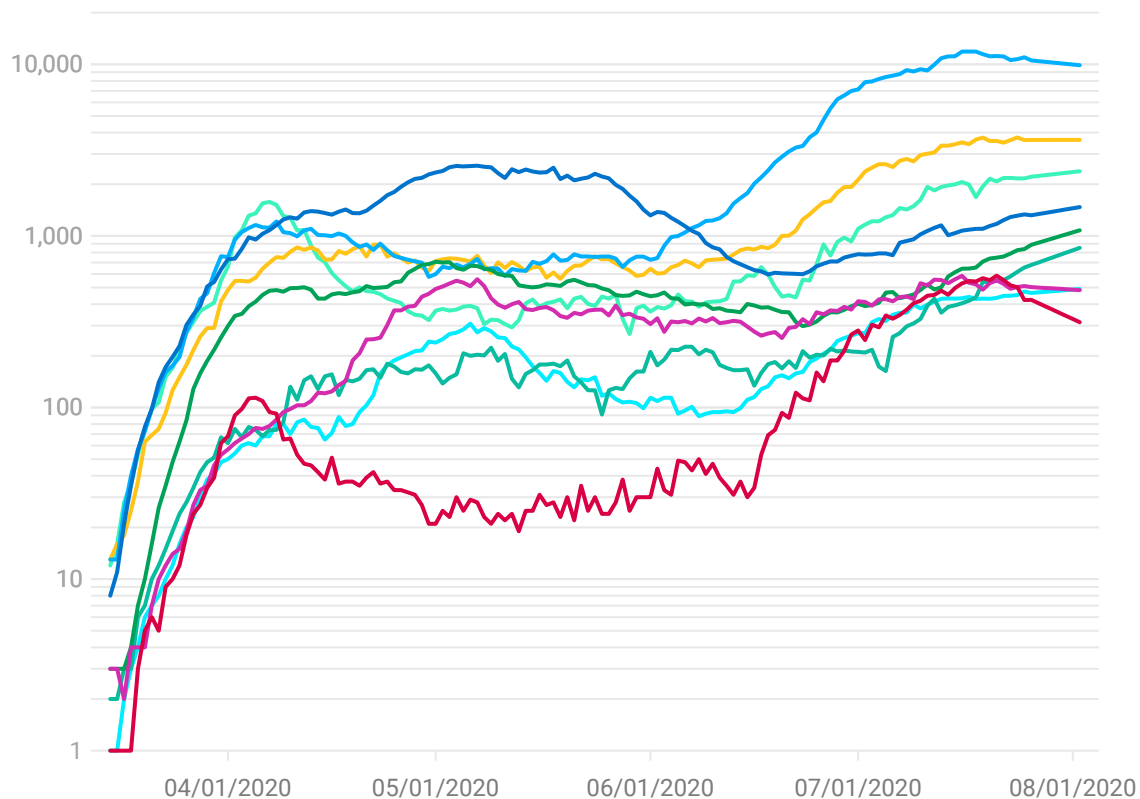


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky Louisiana

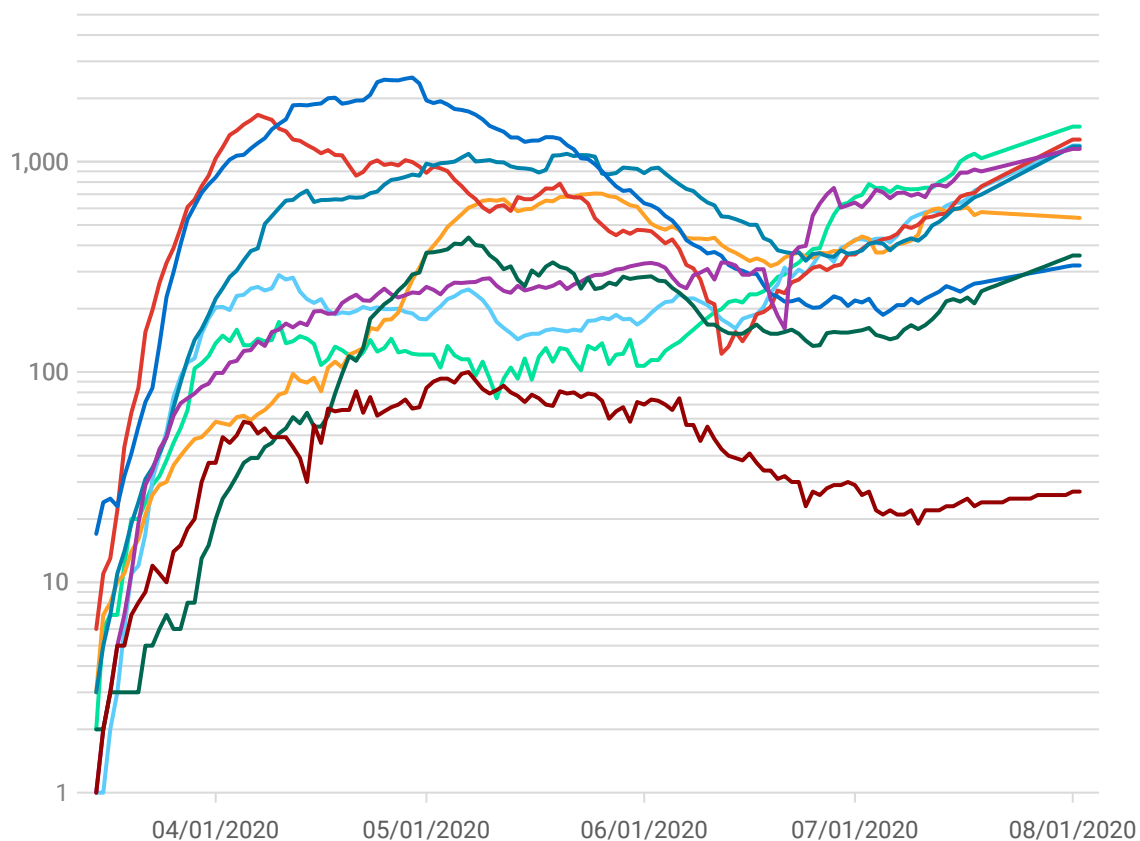


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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

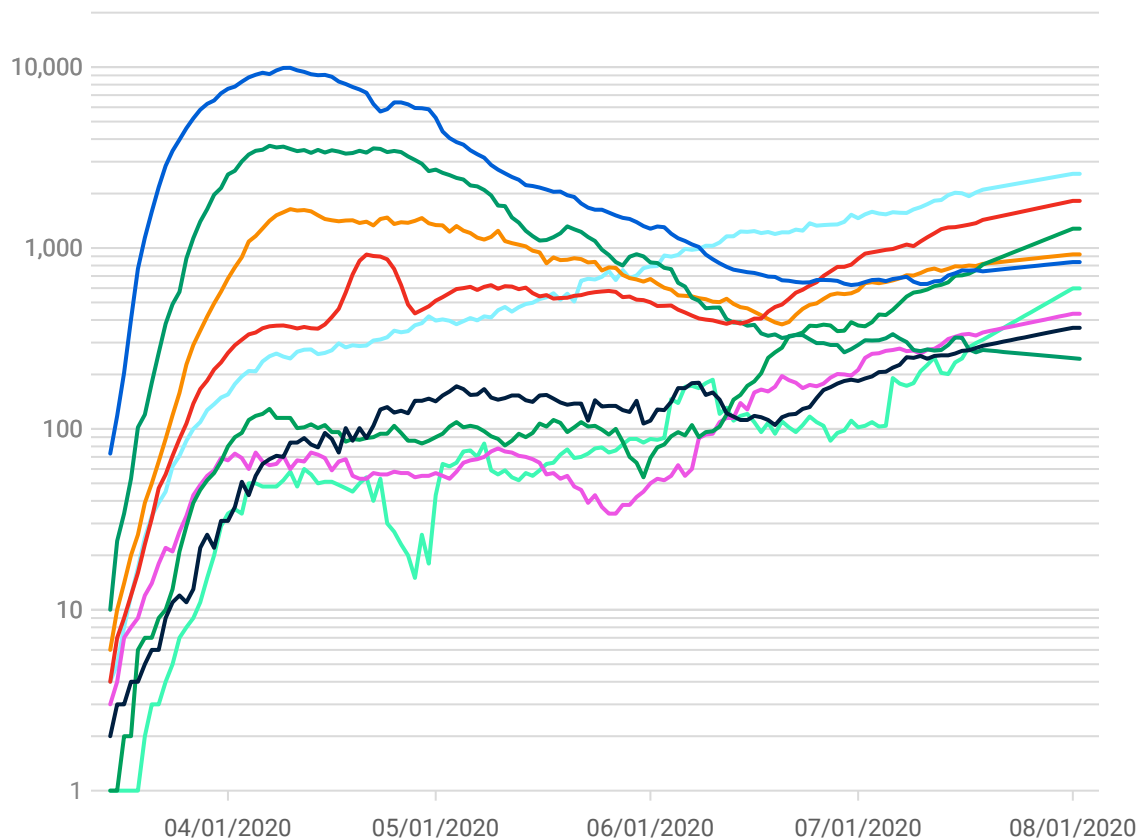


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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

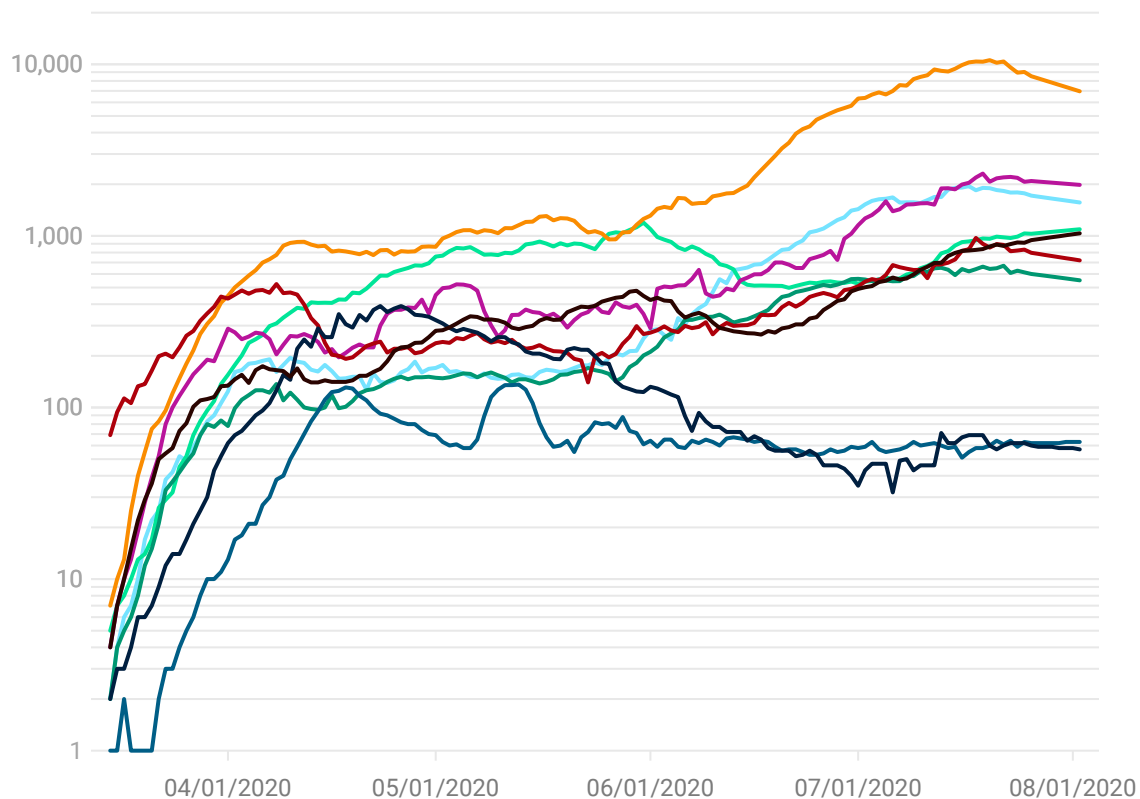


Daily model projections at <https://covid19science.blogspot.com/p/covid-19-model-projections.html>

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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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