

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

May 1, 2020 with Johns Hopkins Data from 4/30/2020.

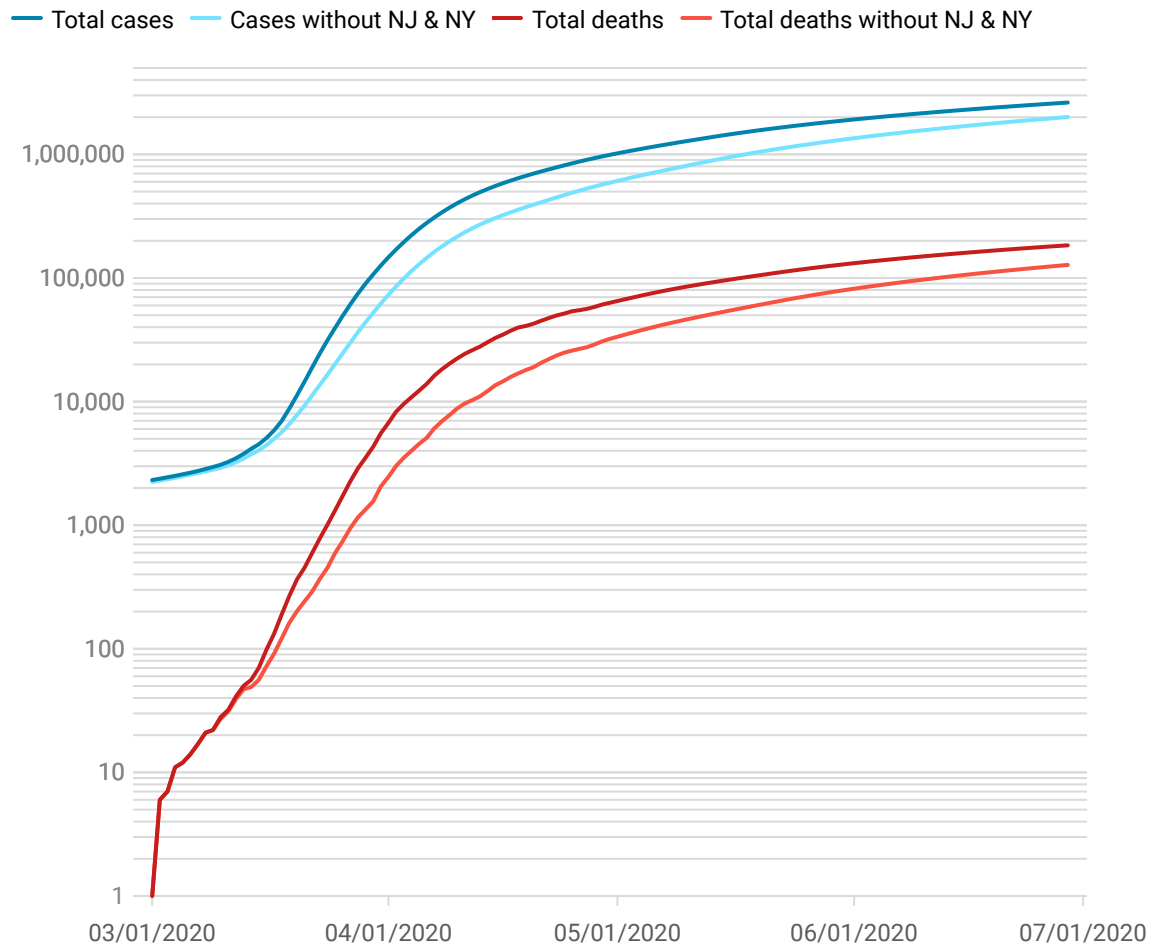
- **Total deaths predicted by 6/29/2020: 183,840** (yesterday: 182,502 until 6/28)
- **Excluding New York & New Jersey: 127,582** (yesterday: 125,568 until 6/28)
- **Predicted daily death on 6/29/2020: 1,733** (~ 104,000 per 2 months)

Summary

Today's numbers are very similar to yesterday's numbers, with a slight increase that results from running the forecast for one day longer (it always goes 60 days into the future). The changes for each state are small, and overall, changes mostly cancel each other out - small increases in the predicted cases for one state are matched by similar decreases in other states. In general, the projection fit the apparent trends well. The one exception is Ohio: the strong downward trend that the model predicts is probably (still) an artifact from the "prison cases bump" from 4/19 to 4/25. It seems more likely that the cases in Ohio will remain around 400-500 per day, rather than dropping down to 50, as the model currently predicts. The slope for the Ohio prediction should level out over the next 10 days as we move away from the "prison cases bump".

Total projected COVID-19 cases and deaths

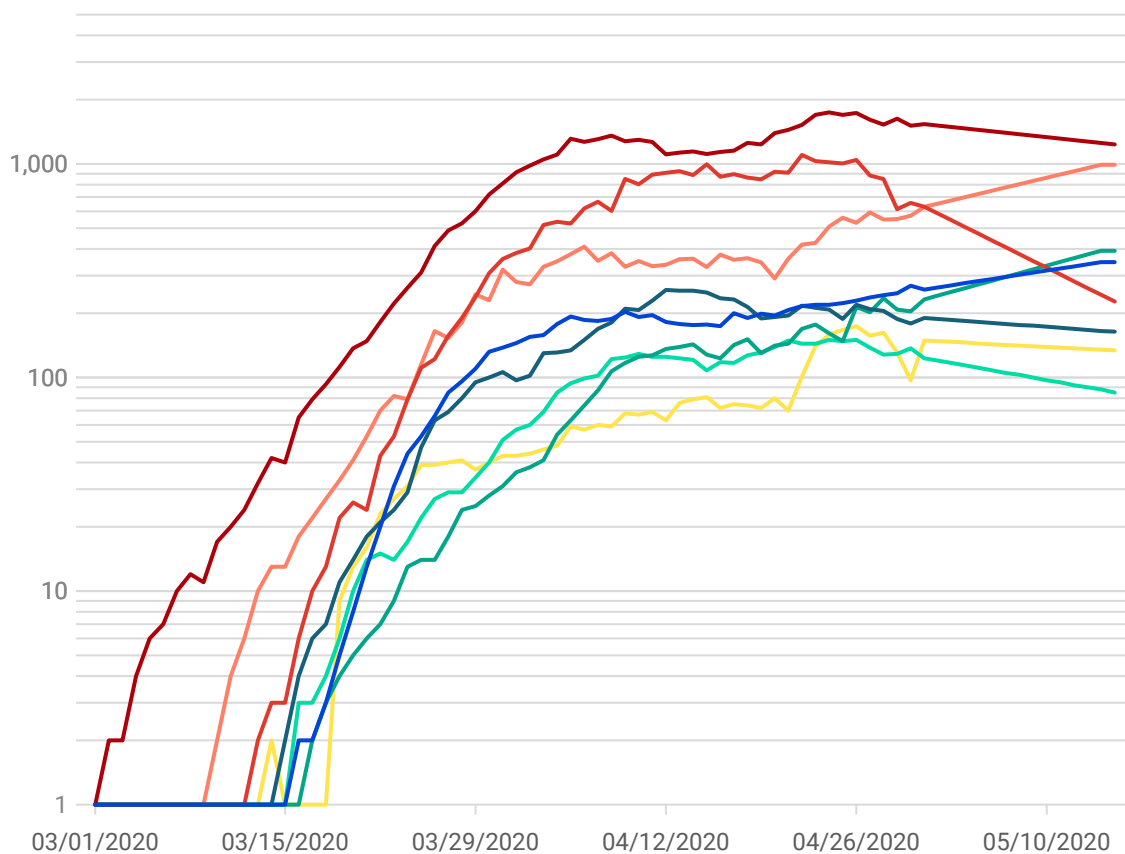
Future growth in cases per day limited to 14 days



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

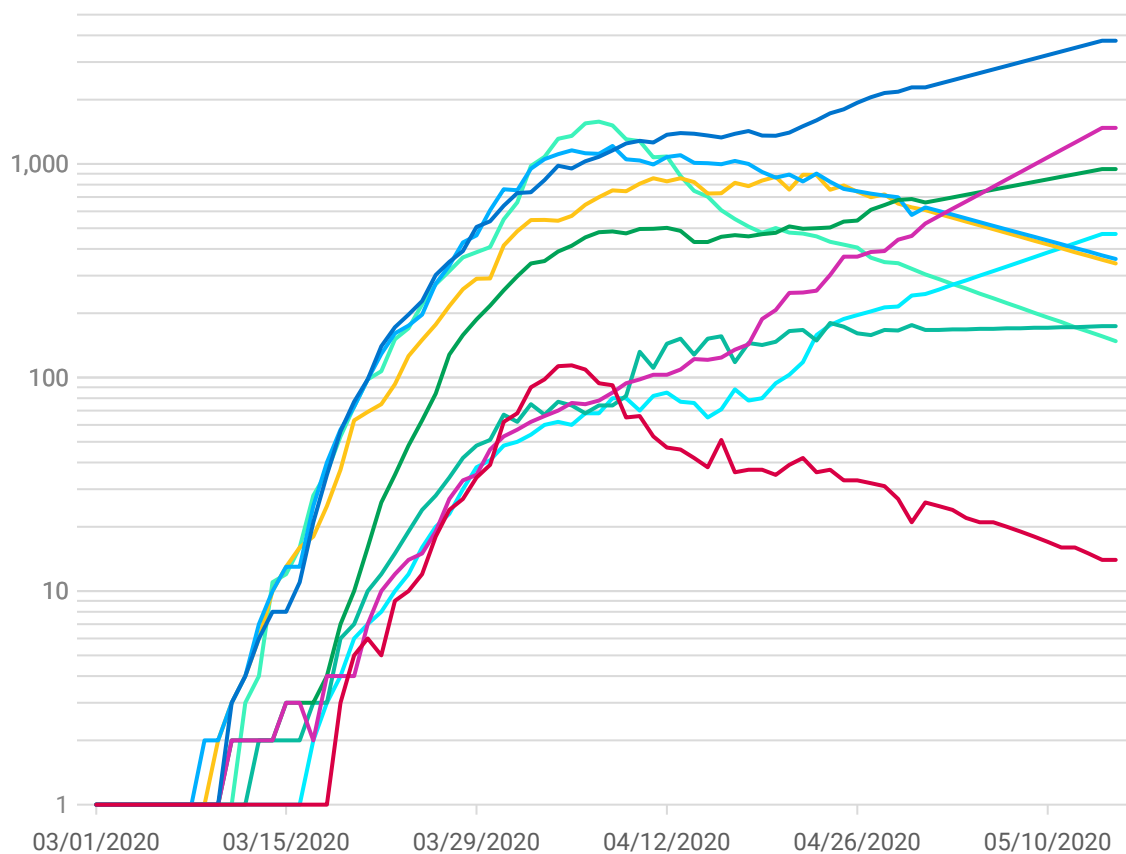
— Alabama — Arizona — Arkansas — California — Colorado — Connecticut — Delaware
— District of Columbia



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

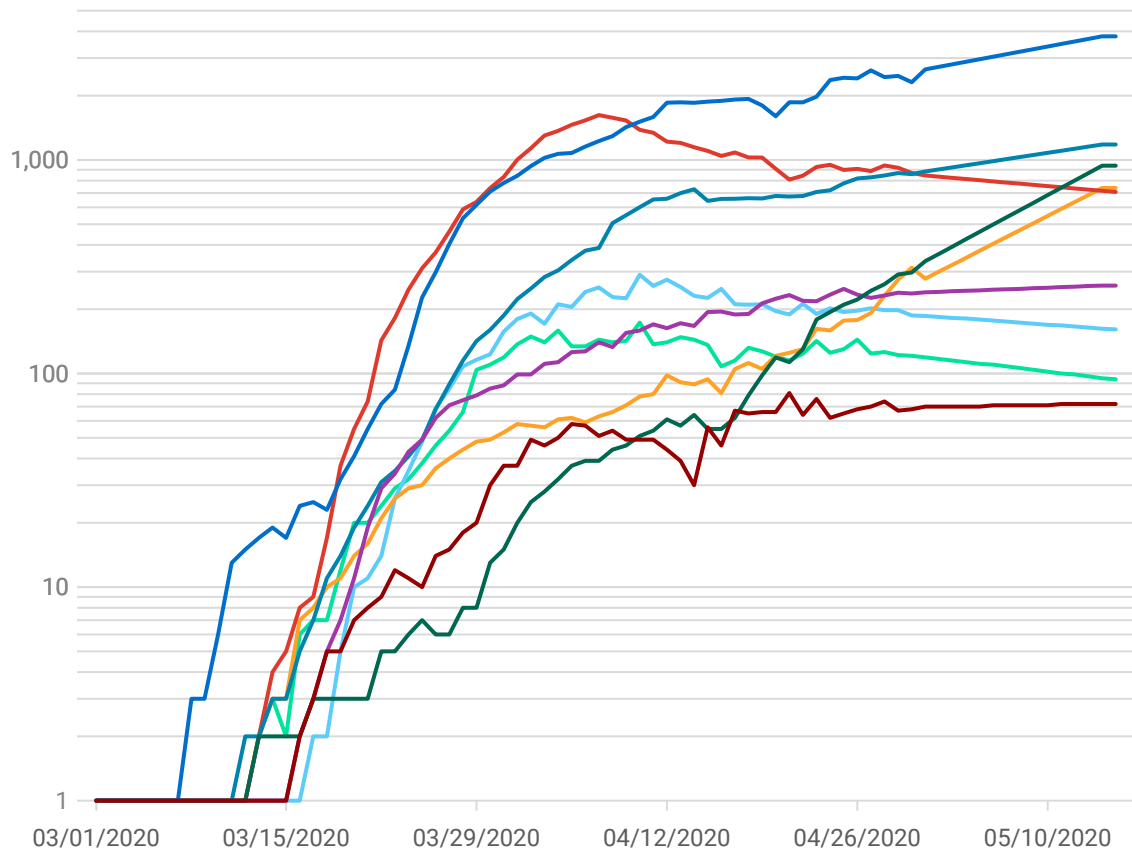
Florida Georgia Idaho Illinois Indiana Iowa Kansas Kentucky
Louisiana



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

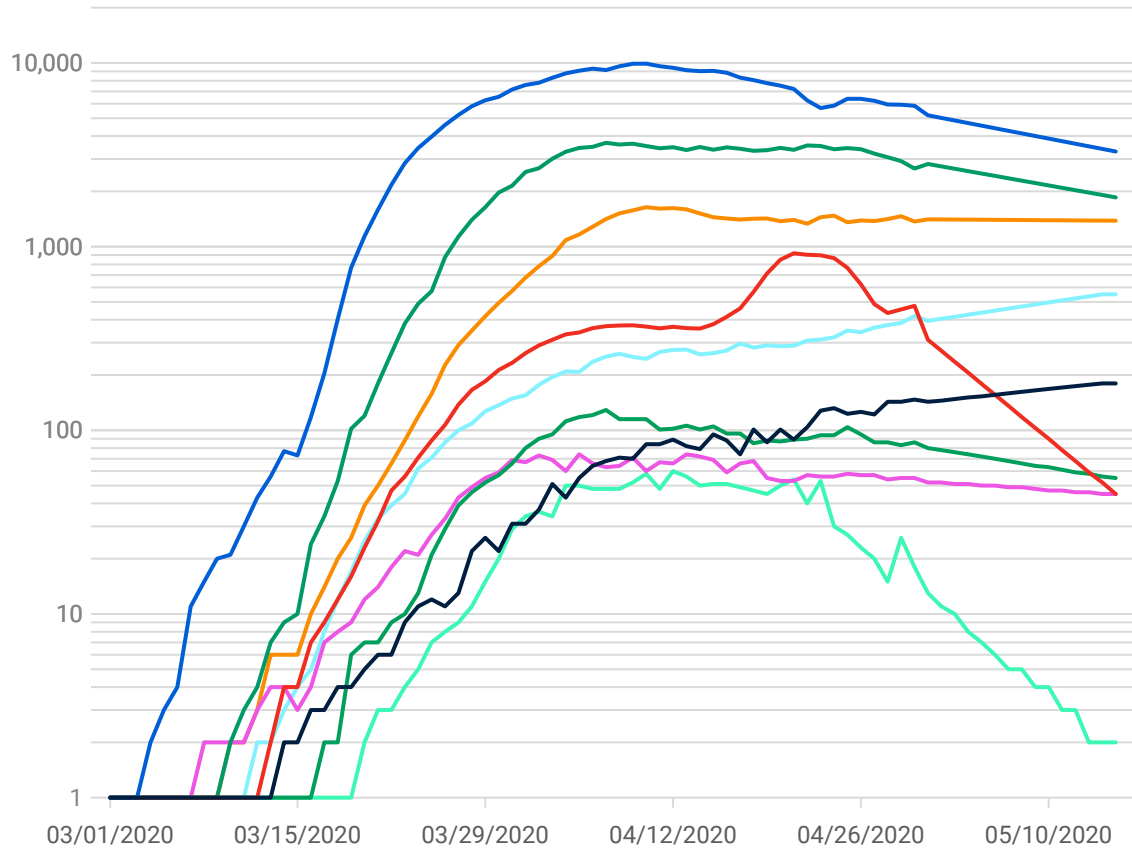
— Maryland — Massachusetts — Michigan — Minnesota — Mississippi — Missouri — Nebraska — Nevada — New Hampshire



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

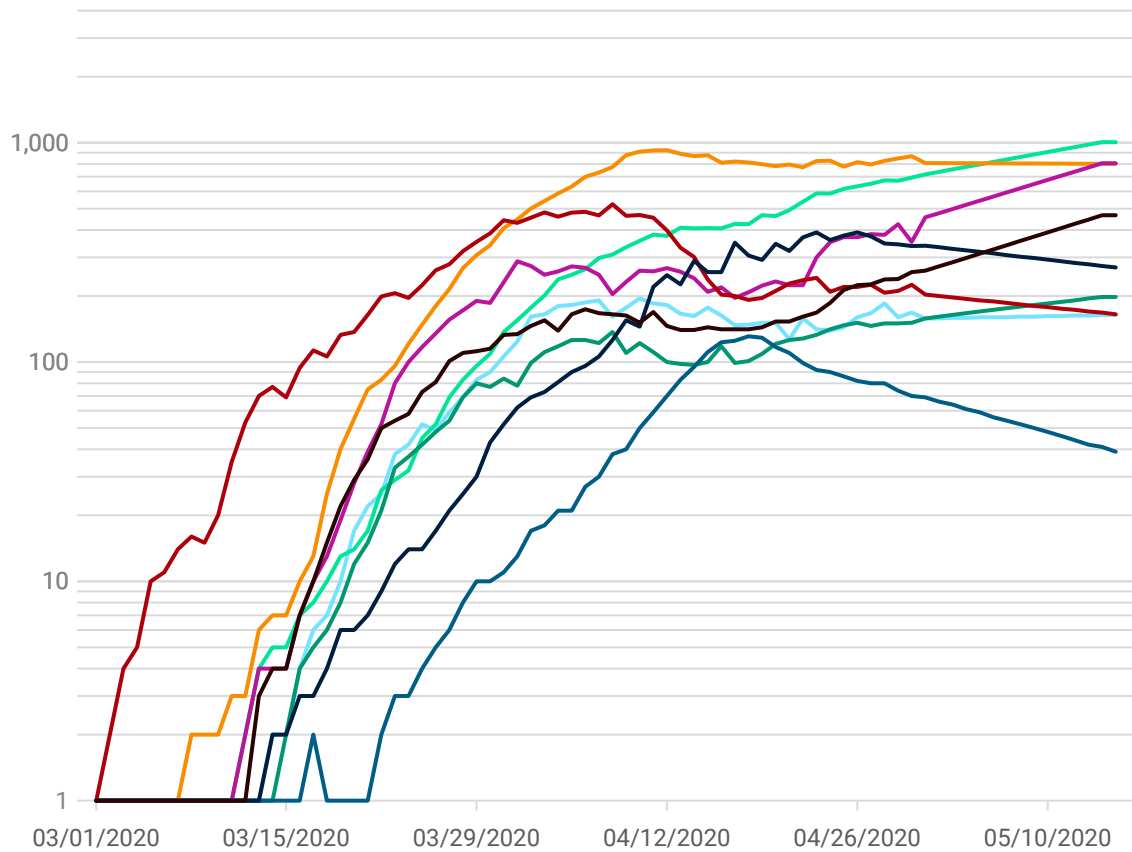
New Jersey New Mexico New York North Carolina Ohio Oklahoma Oregon
Pennsylvania Puerto Rico



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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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