More

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
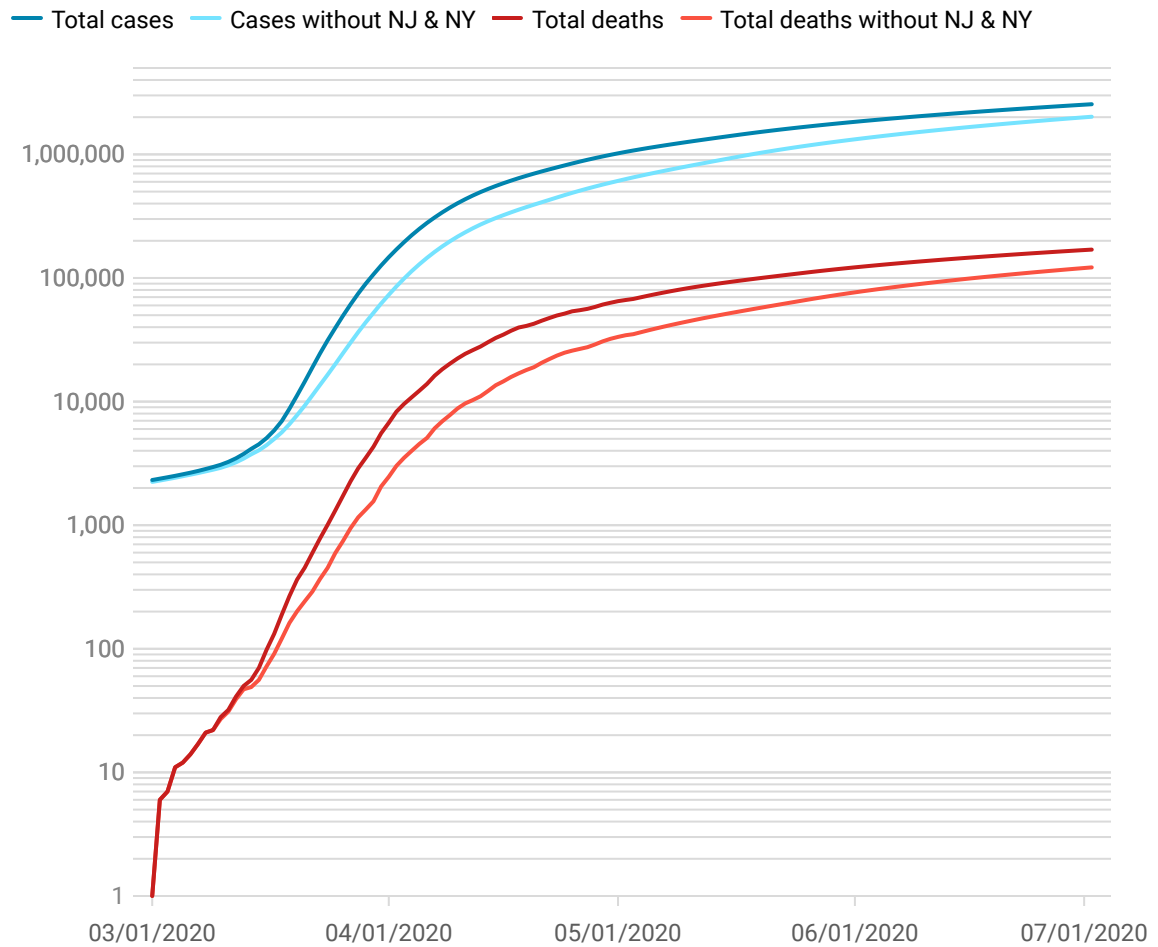
May 4, 2020 with Johns Hopkins Data from 5/3/2020.

- **Total deaths predicted by 7/2/2020: 169,721** (yesterday:171,443 until 7/1)
- **Excluding New York & New Jersey: 121,820** (yesterday: 121,631 until 7/1)
- **Predicted daily cases on 7/2/2020: 21,954** (yesterday: 20,980)
- **Predicted daily death on 7/2/2020: 1,433** (~ 86,000 per 2 months)

Summary

Today's predicted death are about 1% lower to yesterday. Like yesterday, this is primarily due to a drop in the predicted cases for New York. Case numbers for states excluding NY and NJ show a very small increase, as do the projected daily cases at the end of the forecast period. For most states, the observed changes are small. The projection for Ohio again looks too low; Ohio actually shows an upward trend over the last 7 days, but the model chose the 15-day trends that includes a spike from testing prisoners, and showed a downward trend. This could get even more pronounced in the next couple of days, but should disappear once the prison case spike is more than 15 days in the past.
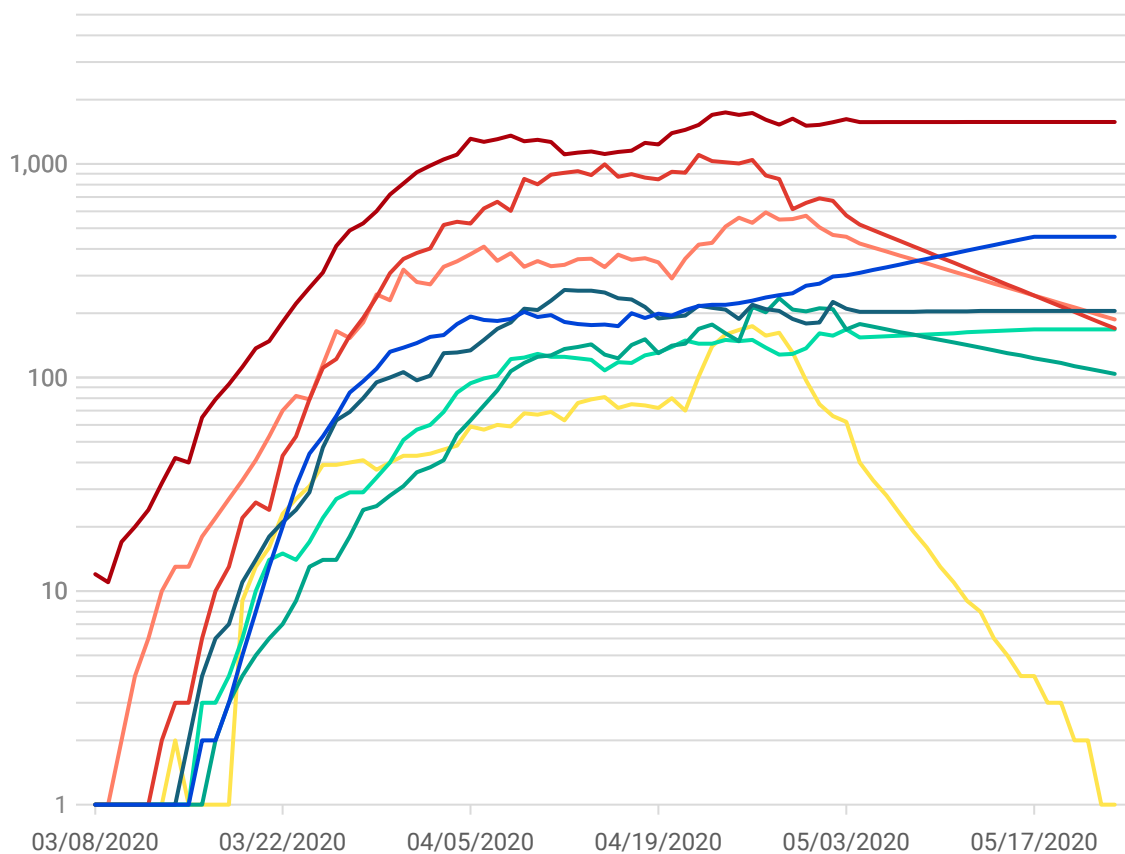
Total projected COVID-19 cases and deaths

Future growth in cases per day limited to 14 days

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

Get the data • Created with Datawrapper

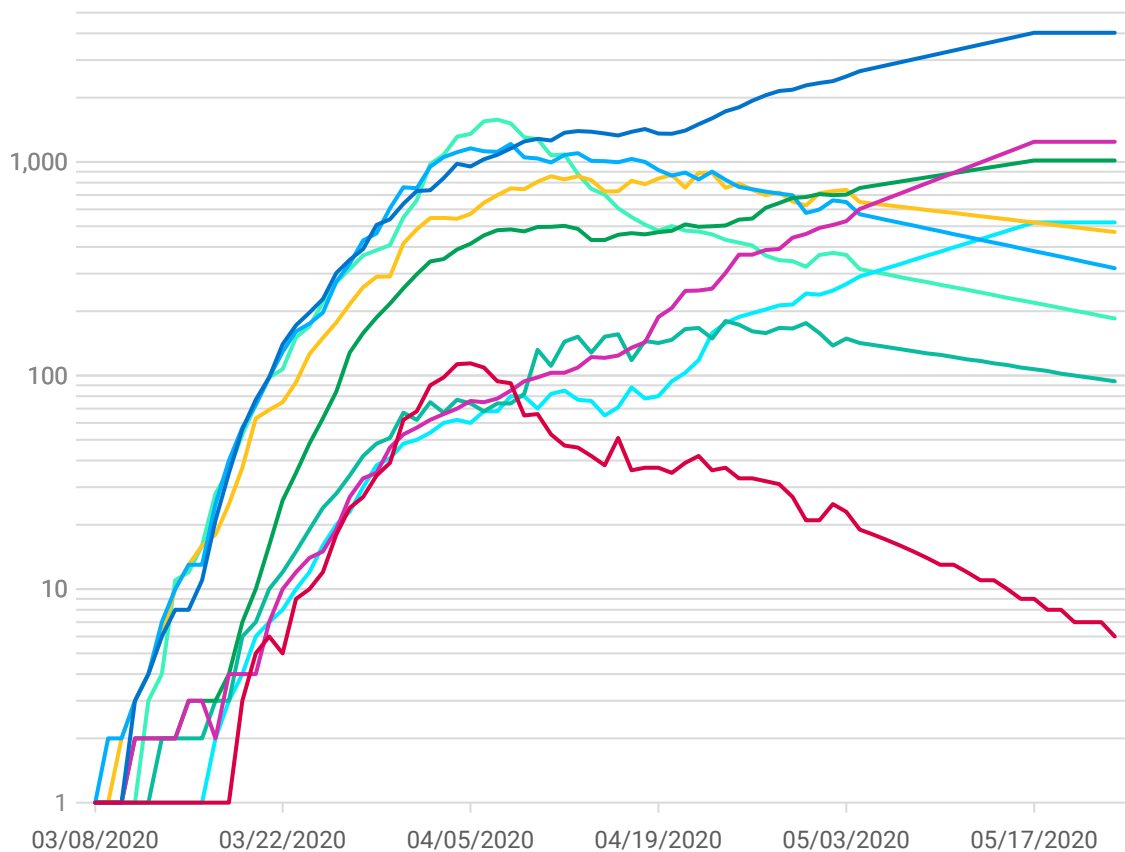# Actual and projected daily COVID-19 cases by state (AL-DC)

— Alabama — Arizona — Arkansas — California — Colorado — Connecticut — Delaware

— District of Columbia

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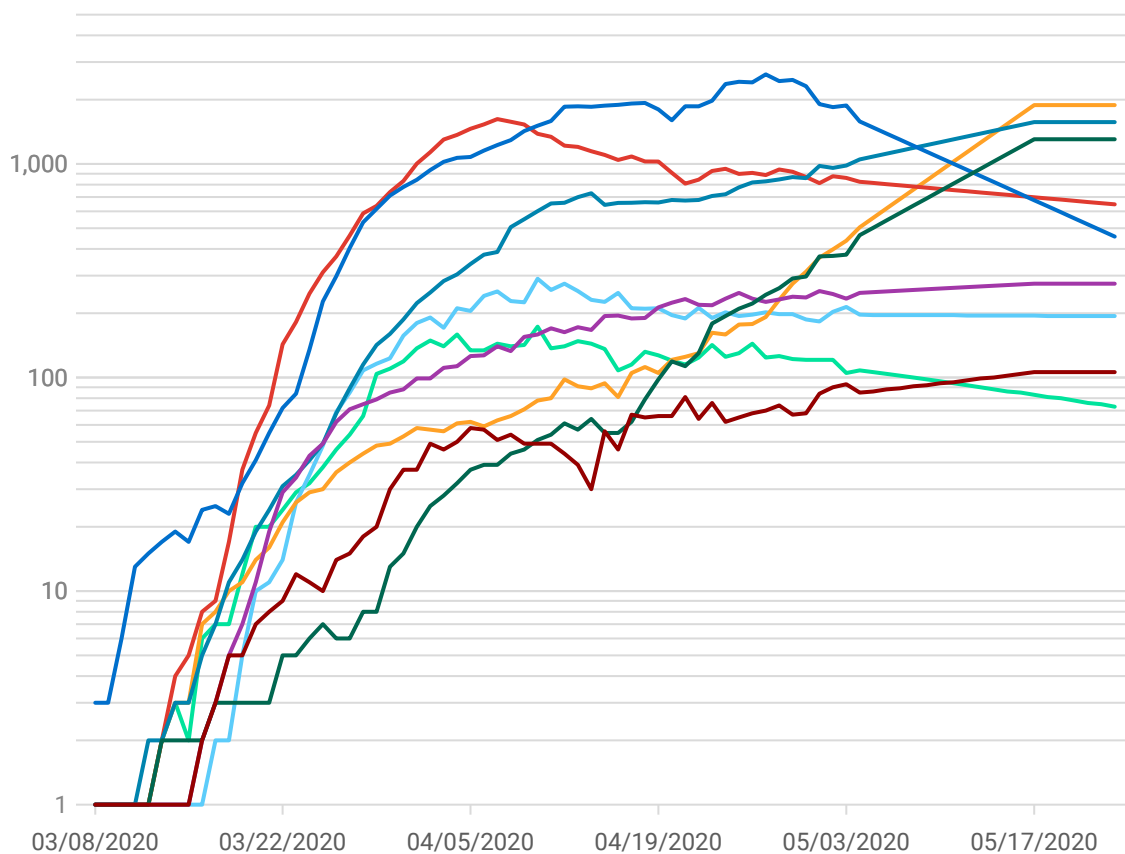## Actual and projected daily COVID-19 cases by state (FL-LA)

— Florida   — Georgia   — Idaho   — Illinois   — Indiana   — Iowa   — Kansas   — Kentucky
— Louisiana

Get the data • Created with Datawrapper

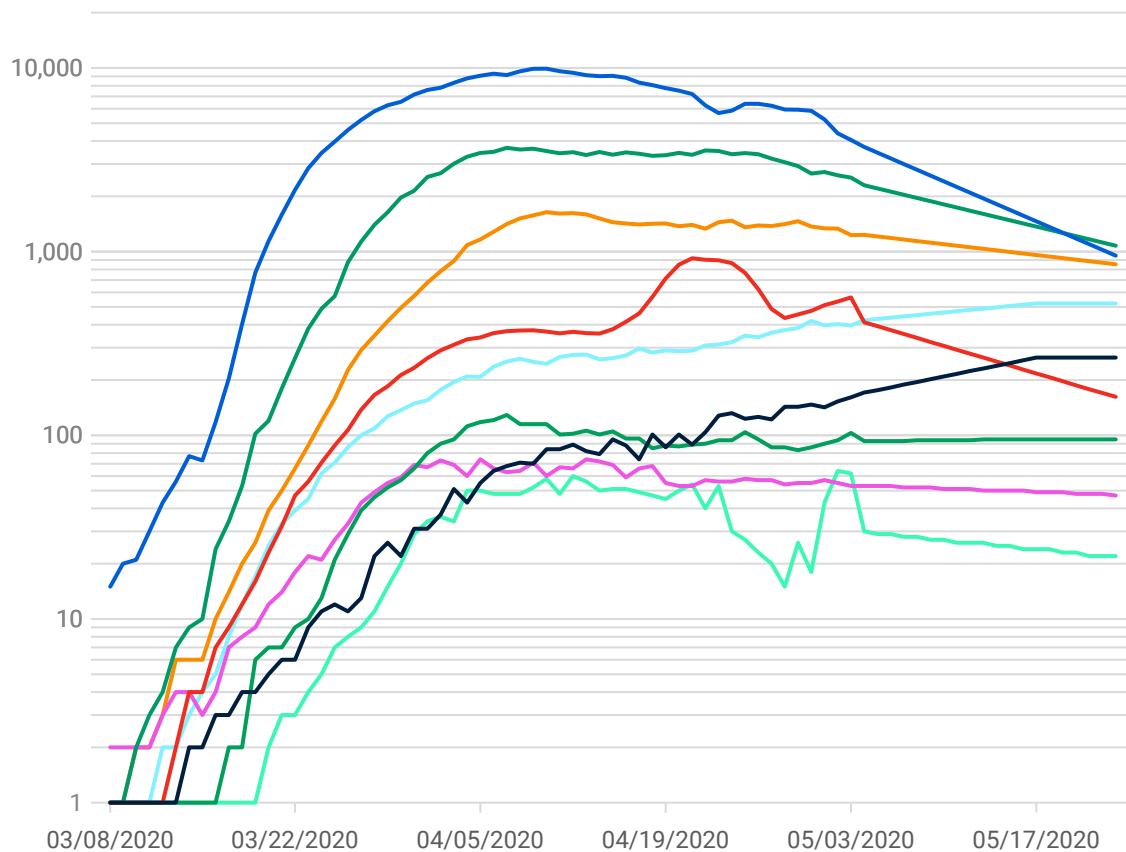# Actual and projected daily COVID-19 cases by state (MD-NH)

— Maryland   — Massachusetts   — Michigan   — Minnesota   — Mississippi   — Missouri

— Nebraska   — Nevada   — New Hampshire

Get the data • Created with Datawrapper

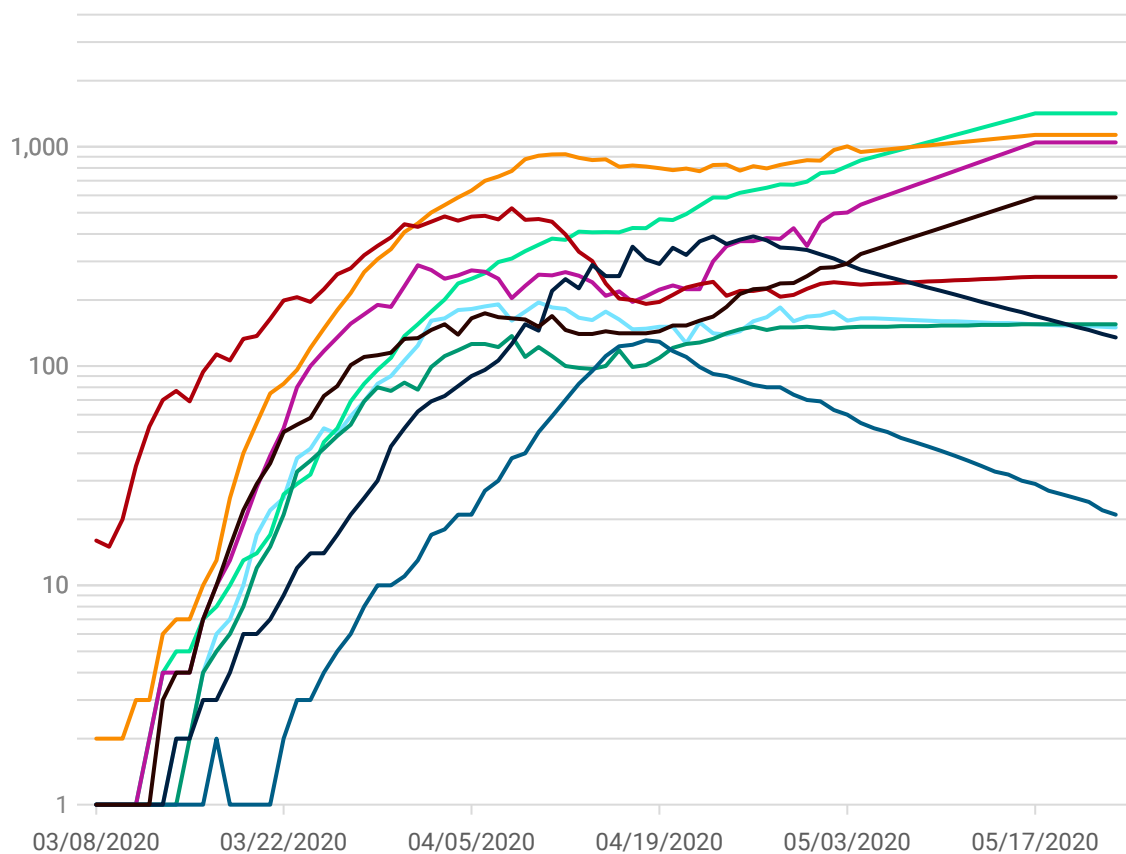## Actual and projected daily COVID-19 cases by state (NM-PR)

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

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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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