More

Corona Virus Science

This blog explains some of the science related to the corona virus (COVID-19) ε 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 24, 2020 with Johns Hopkins Data from 6/23/2020.

- **Predicted daily deaths on 8/22/2020: 1,860** (yesterday: 1,707; ~ 112,000 per 2 months)
- **Predicted daily cases on 8/22/2020: 50,265** (yesterday: 45,659)
- **Total deaths predicted by 8/22/2020: 222,630** (yesterday: 214,415 until 8/21)
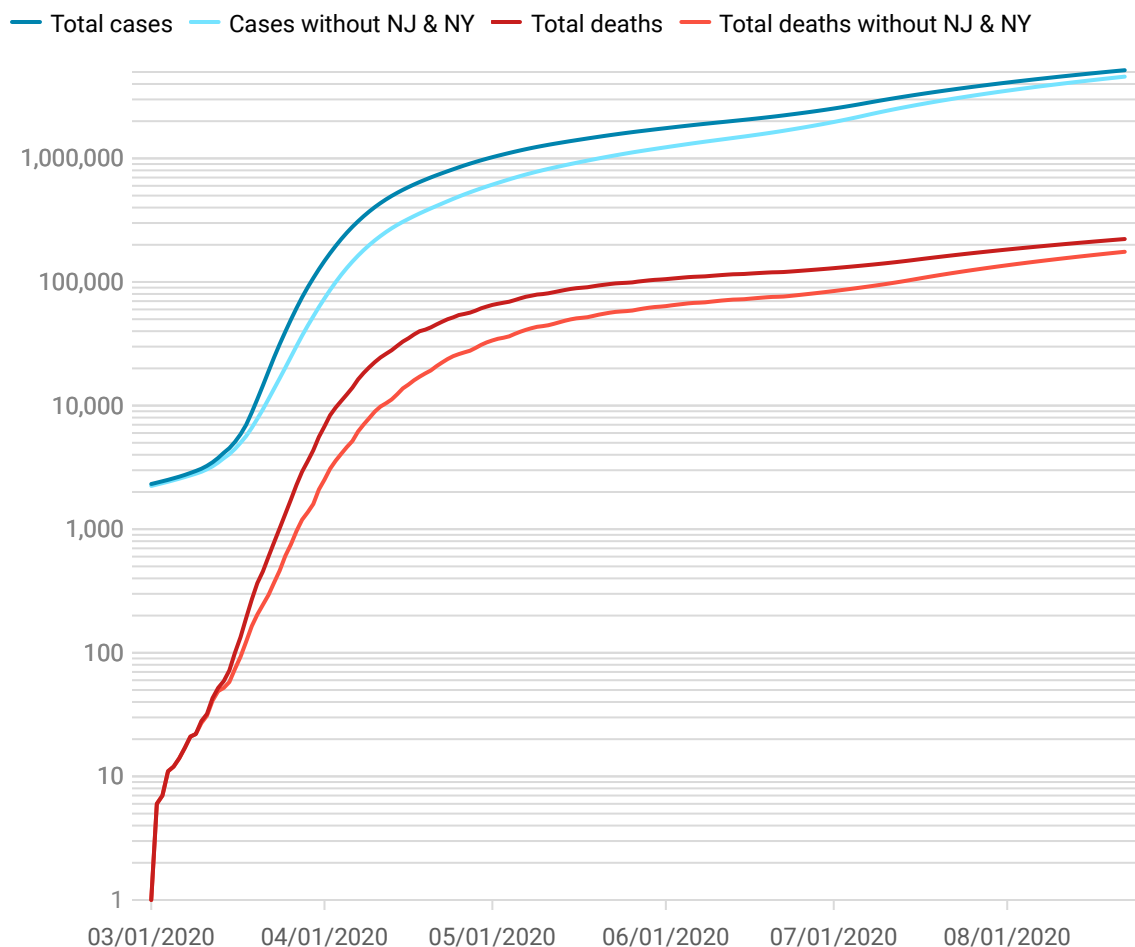- **Excluding New York & New Jersey: 175,562** (yesterday: 167,627 until 8/21)

Summary

Once again, today's numbers show a large increase compared to yesterday. The rapid growth in Texas required extending the y-axis range in the graph, and the graphs that includes Arizona, California, and Florida will probably also require such an adjustment soon.

Compared to the model predictions at the end of May, the number of predicted daily COVID-19 cases has grown more than 4-fold, from 11,691 in the model run from 5/30 to 50,265. The number of predicted deaths has grown more than 3-fold, from 585 to 1,860. The lower factor for the increase in deaths is primarily due the increase in testing.

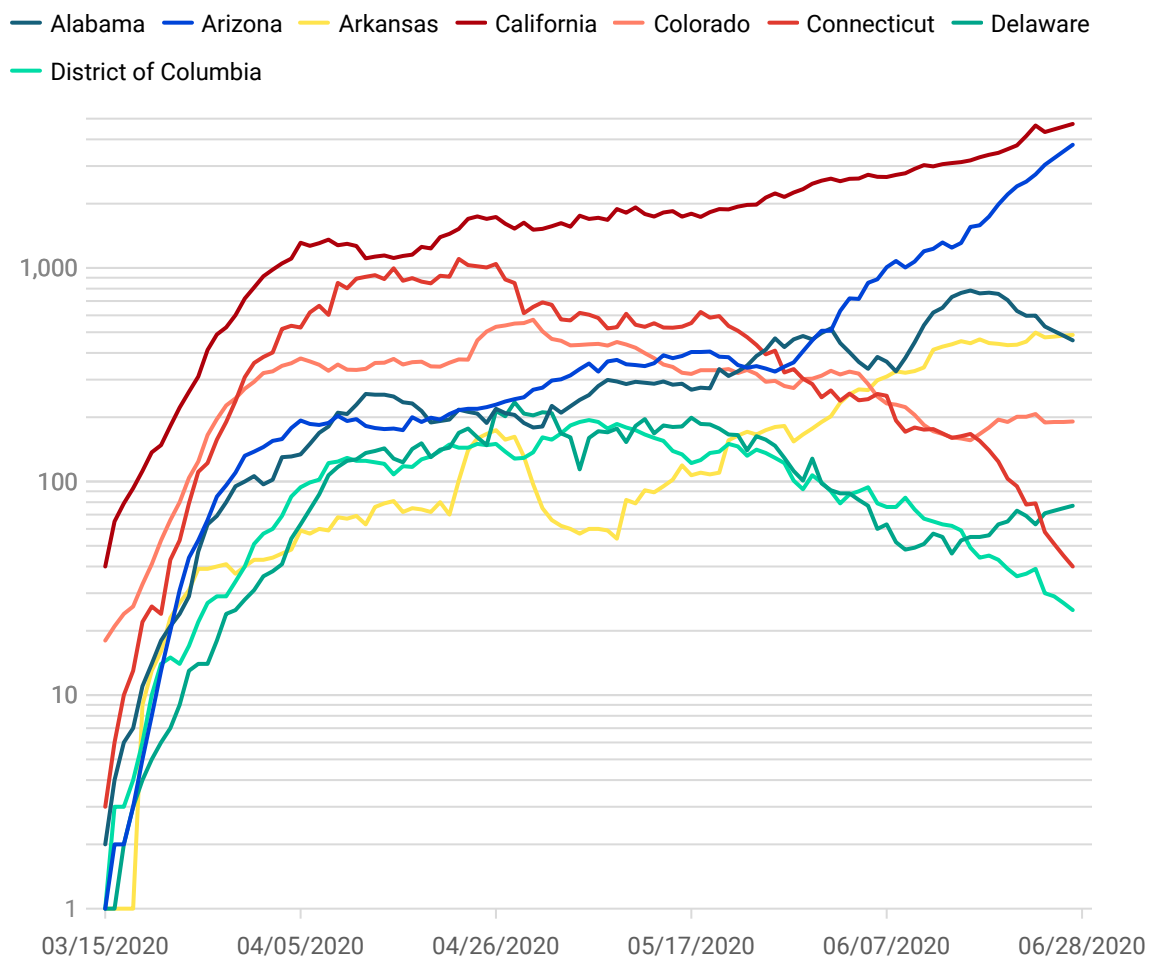# Total projected COVID-19 cases and deaths

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)

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

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

Chart: covid19science.blogspot.com • Get the data • Created with Datawrapper

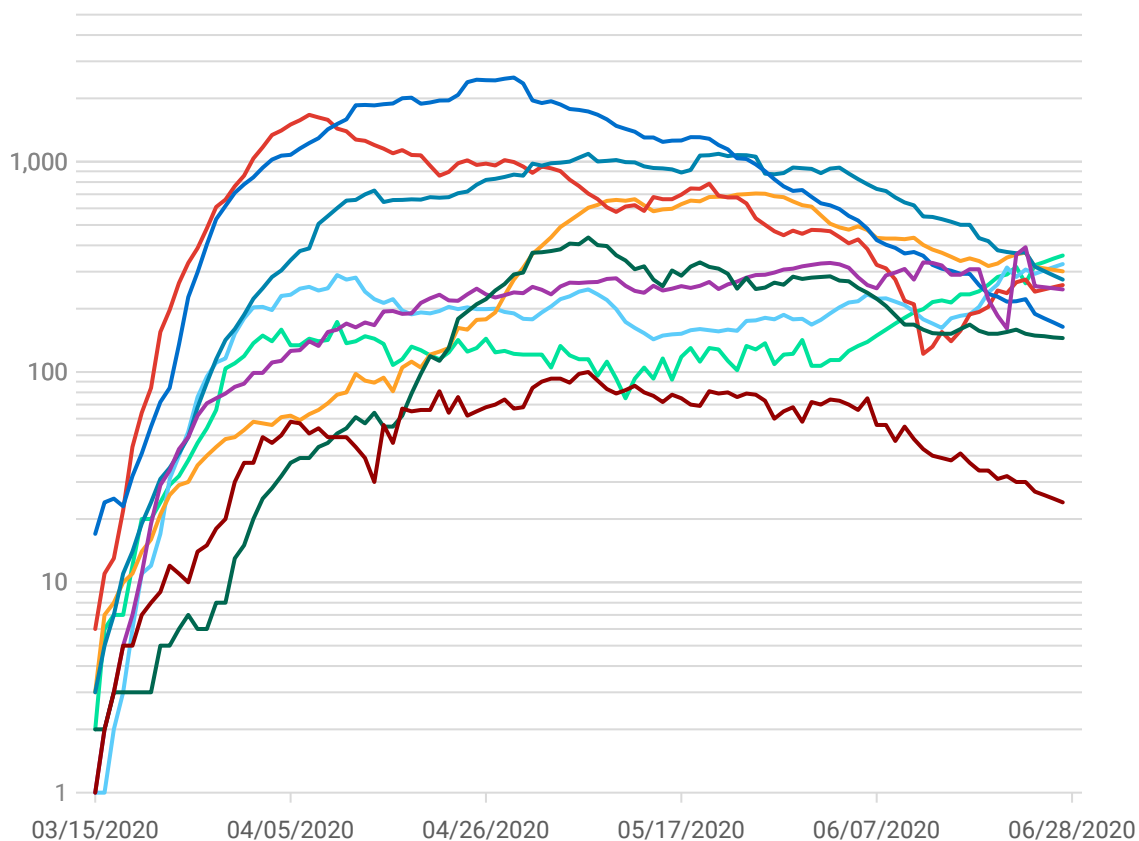# Actual and projected daily COVID-19 cases by state (FL-LA)

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

— Louisiana

Daily model projections at https://covid19science.blogspot.com/p/covid-19-model-projections.html
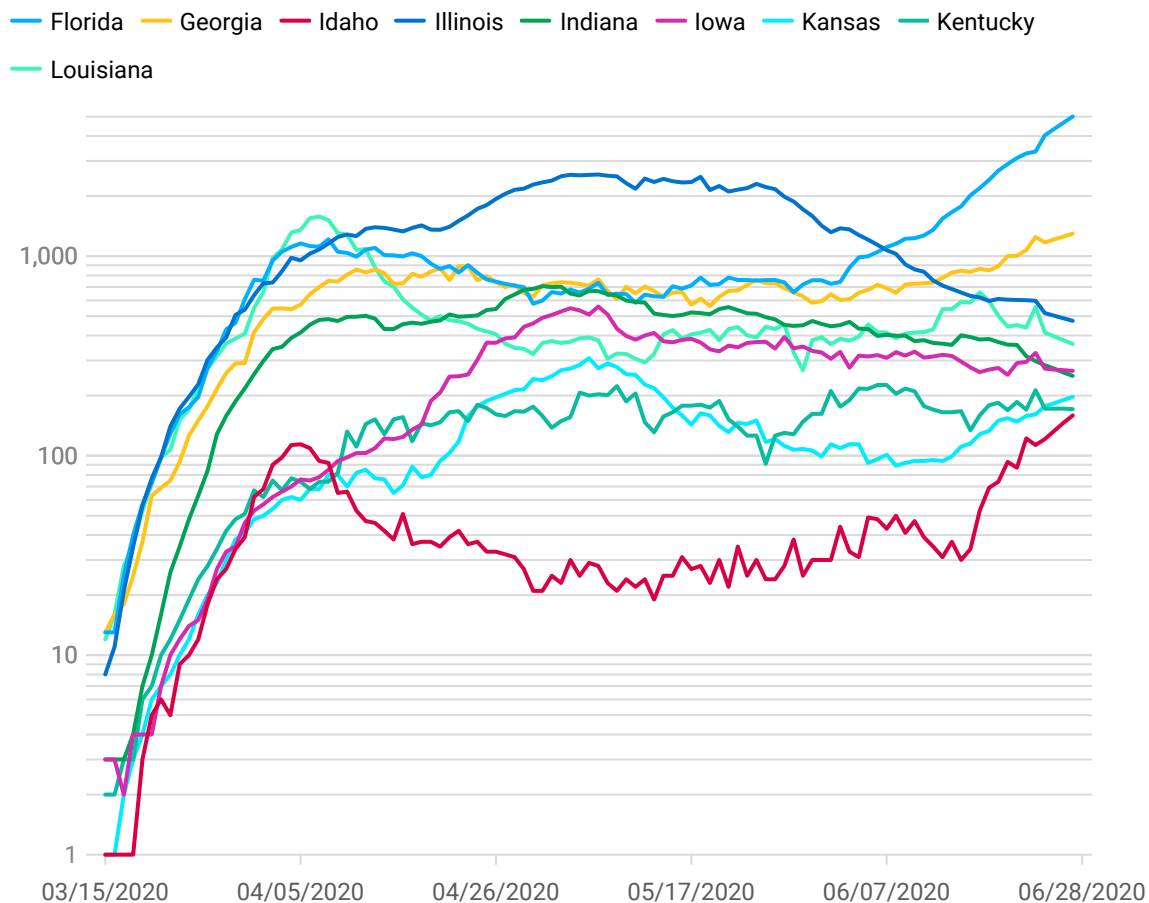
Chart: covid19science.blogspot.com • Get the data • Created with Datawrapper

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

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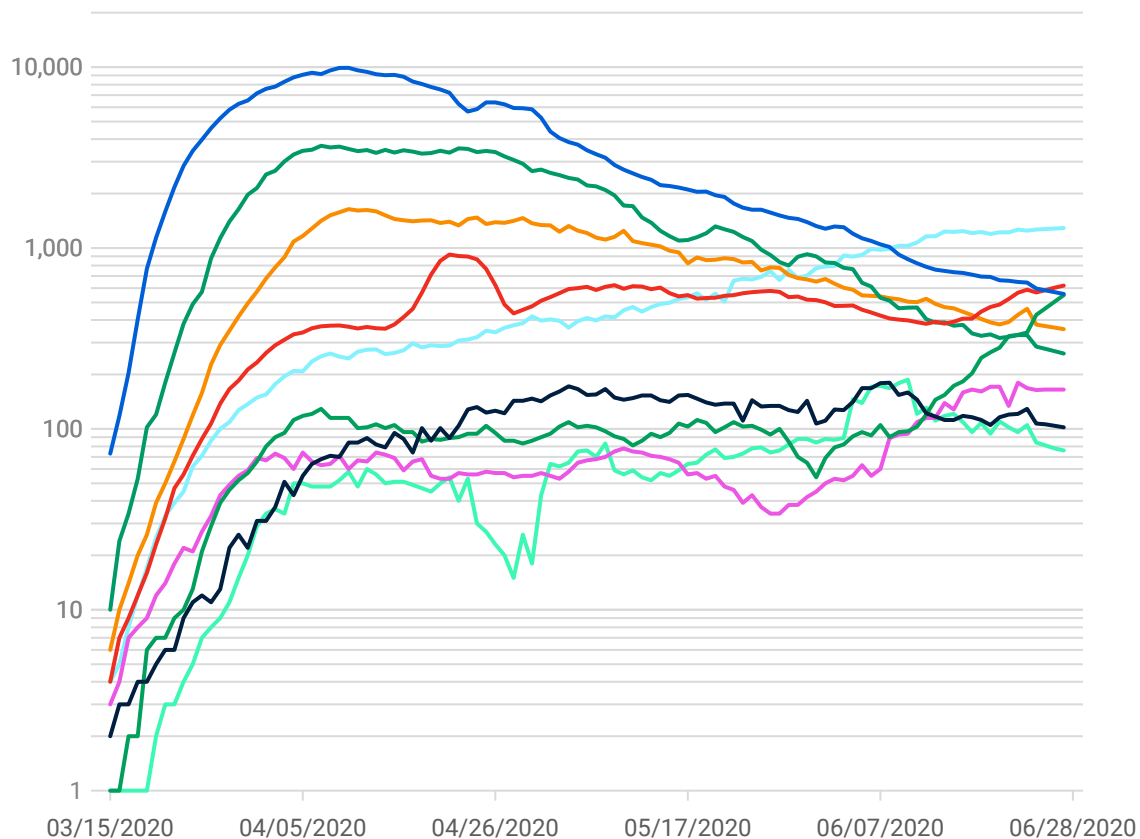
— Nebraska   — Nevada   — New Hampshire

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
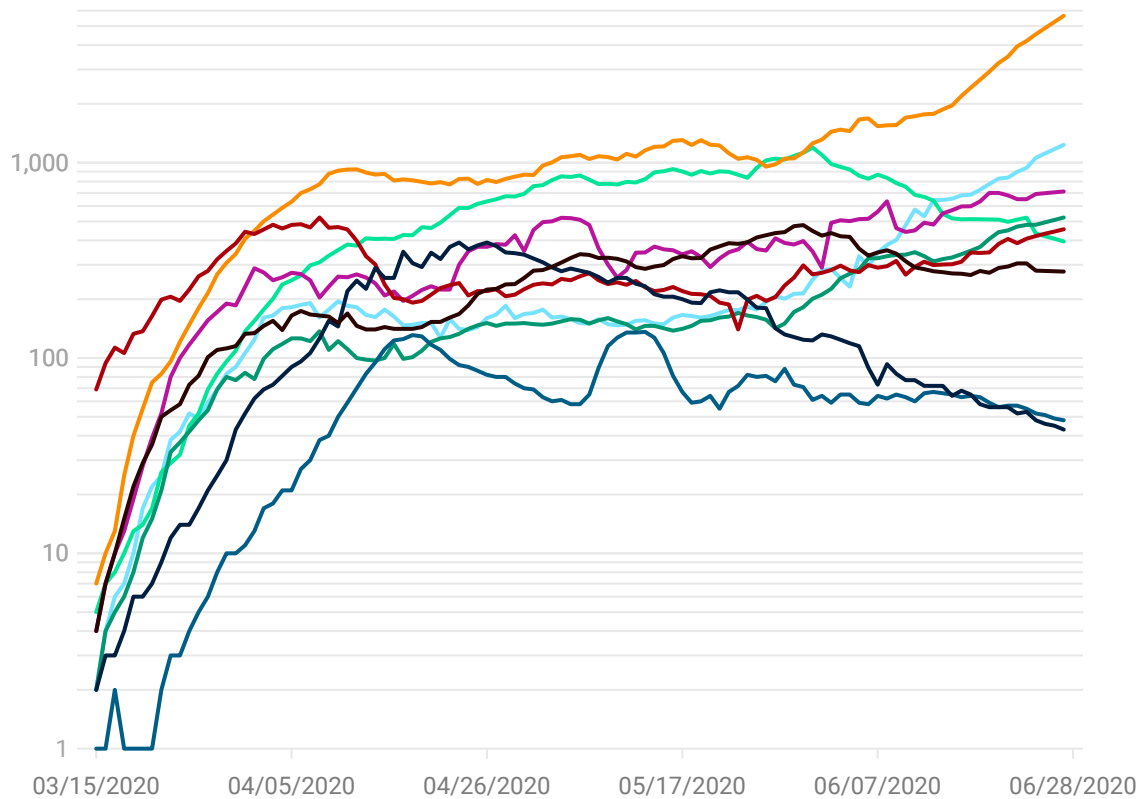
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Actual and projected daily COVID-19 cases by state (RI-WI)

— Rhode Island — South Carolina — South Dakota — Tennessee — Texas — Utah — Virginia
— Washington — Wisconsin

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