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.

Last model run

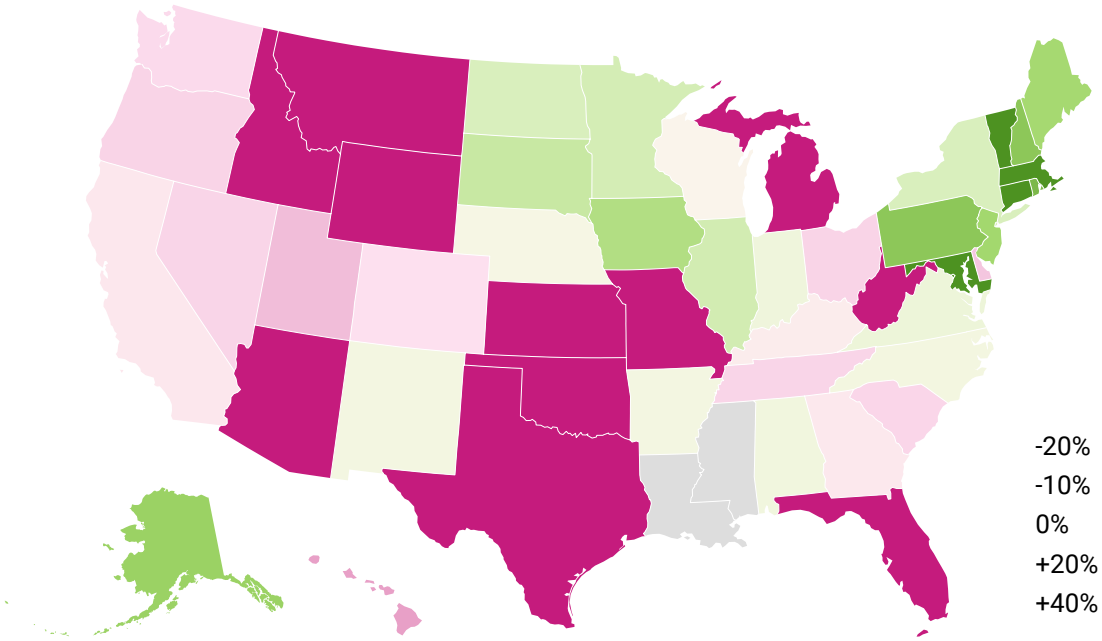
June 21, 2020 with Johns Hopkins Data from 6/20/2020.

- **Predicted daily deaths on 8/19/2020: 1,349** (yesterday: 1,243; ~ 81,000 per 2 months)
- **Predicted daily cases on 8/19/2020: 34,125** (yesterday: 30,737)
- **Total deaths predicted by 8/19/2020: 197,976** (yesterday:192,219 until 8/18)
- **Excluding New York & New Jersey: 151,548** (yesterday: 145,919 until 8/18)

Summary

Today's numbers show a large increase compared to yesterday. This chart shows the trends for US states over the last week:

7-Day trend in new COVID-19 cases by state



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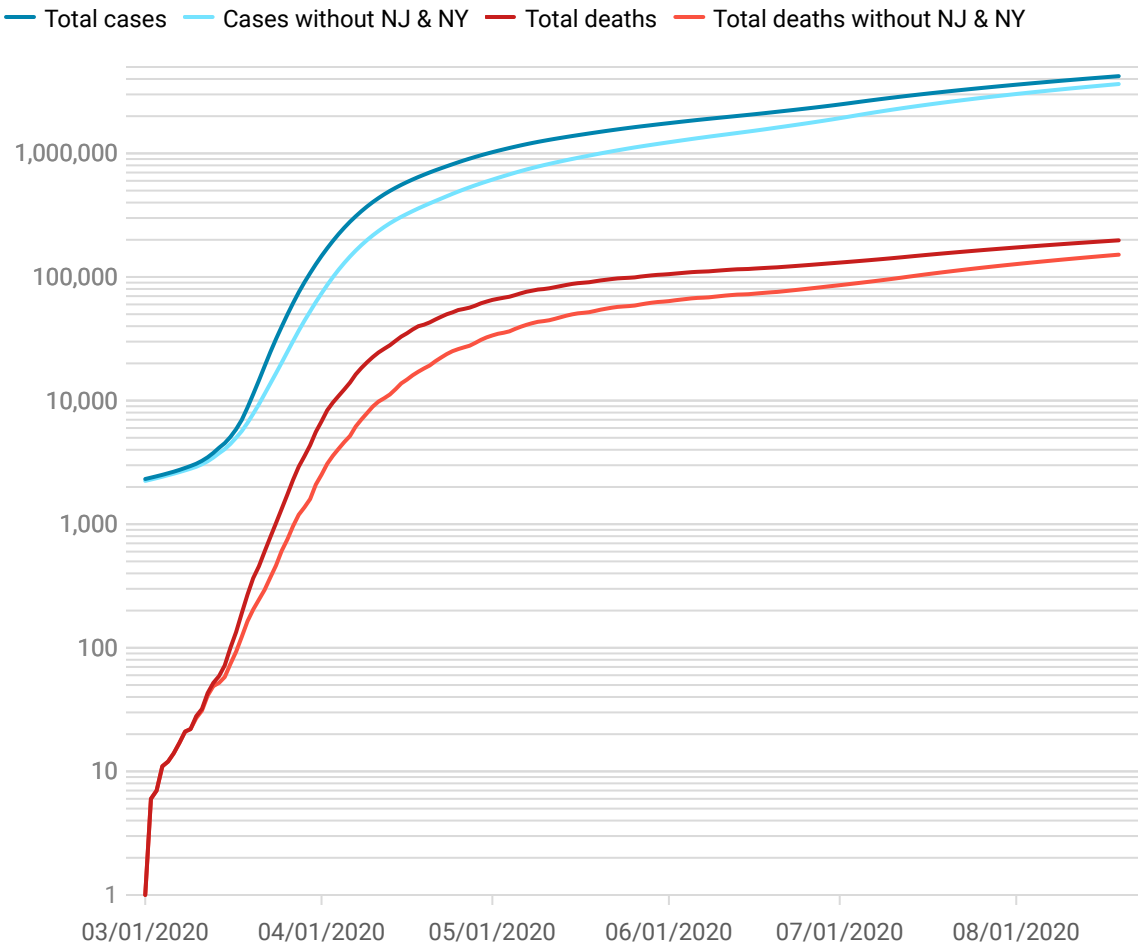
The graph is based on 7-day trends in reported new COVID-19 cases (smoothed using 7-day trailing averages). Louisiana and Mississippi did not report cases for several days during this time and are therefore excluded.

The three most populous states now report more than 4,000 new COVID-19 cases per day, and show increasing trends. Two of them, Texas and Florida, show weekly increases of more than 38%.

Total projected COVID-19 cases and deaths

Future growth in cases per day limited to 14 days.



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

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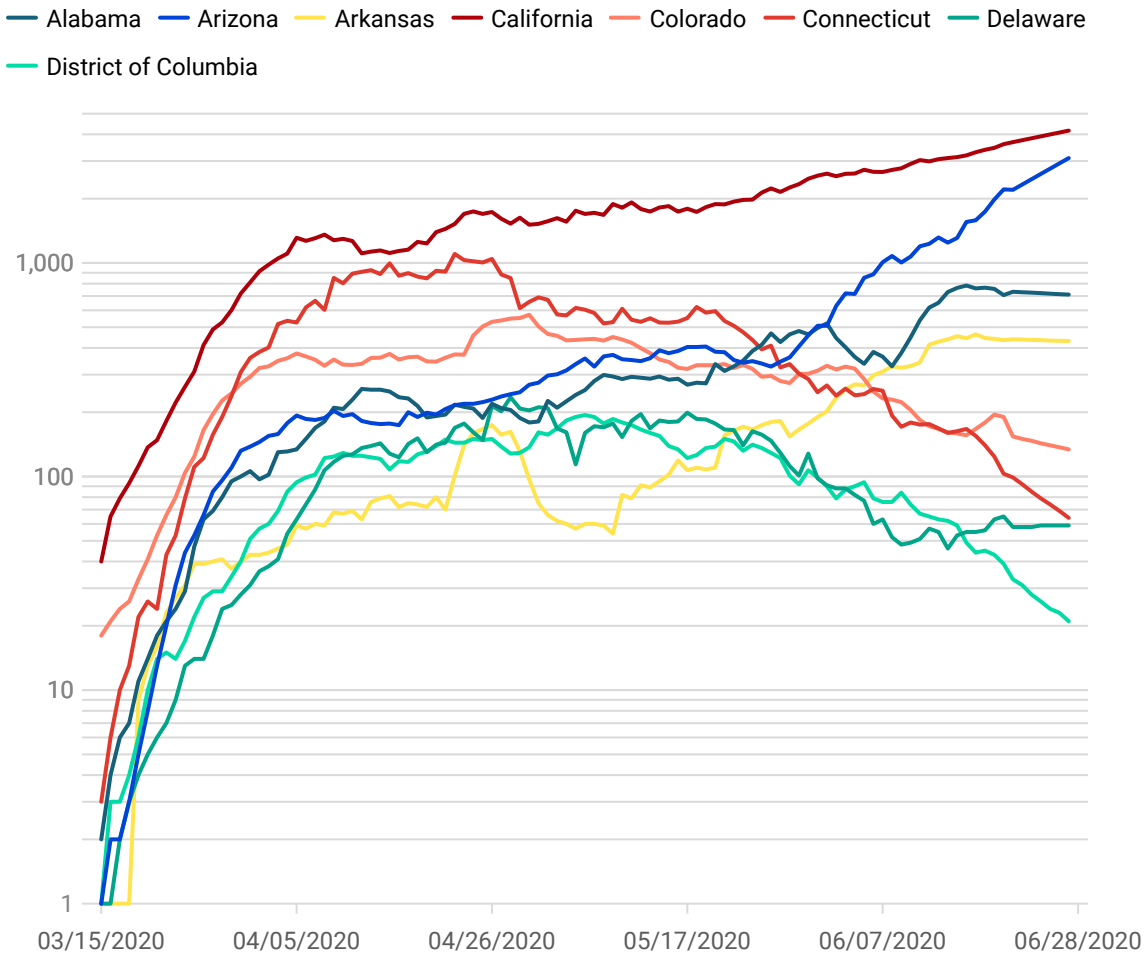
Actual and projected daily COVID-19 cases by state (AL-DC)



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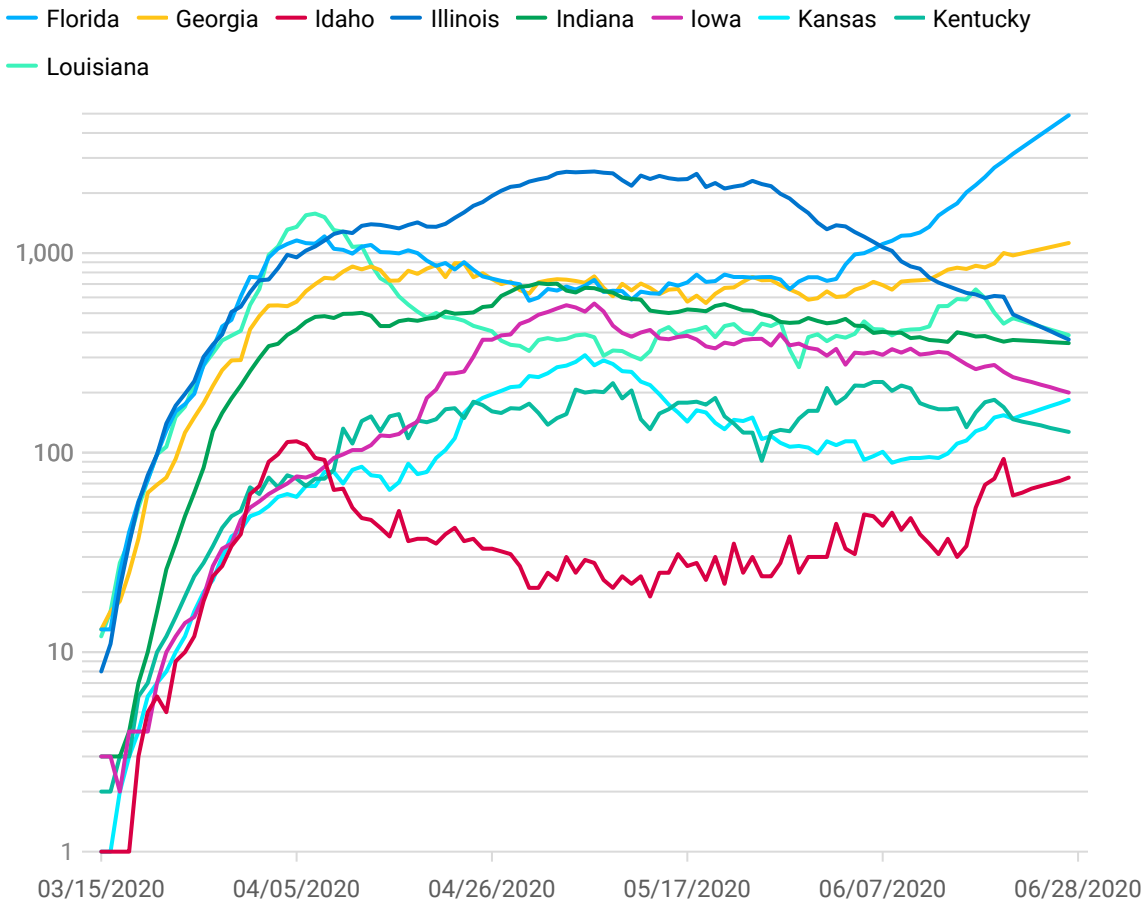
Actual and projected daily COVID-19 cases by state (FL-LA)



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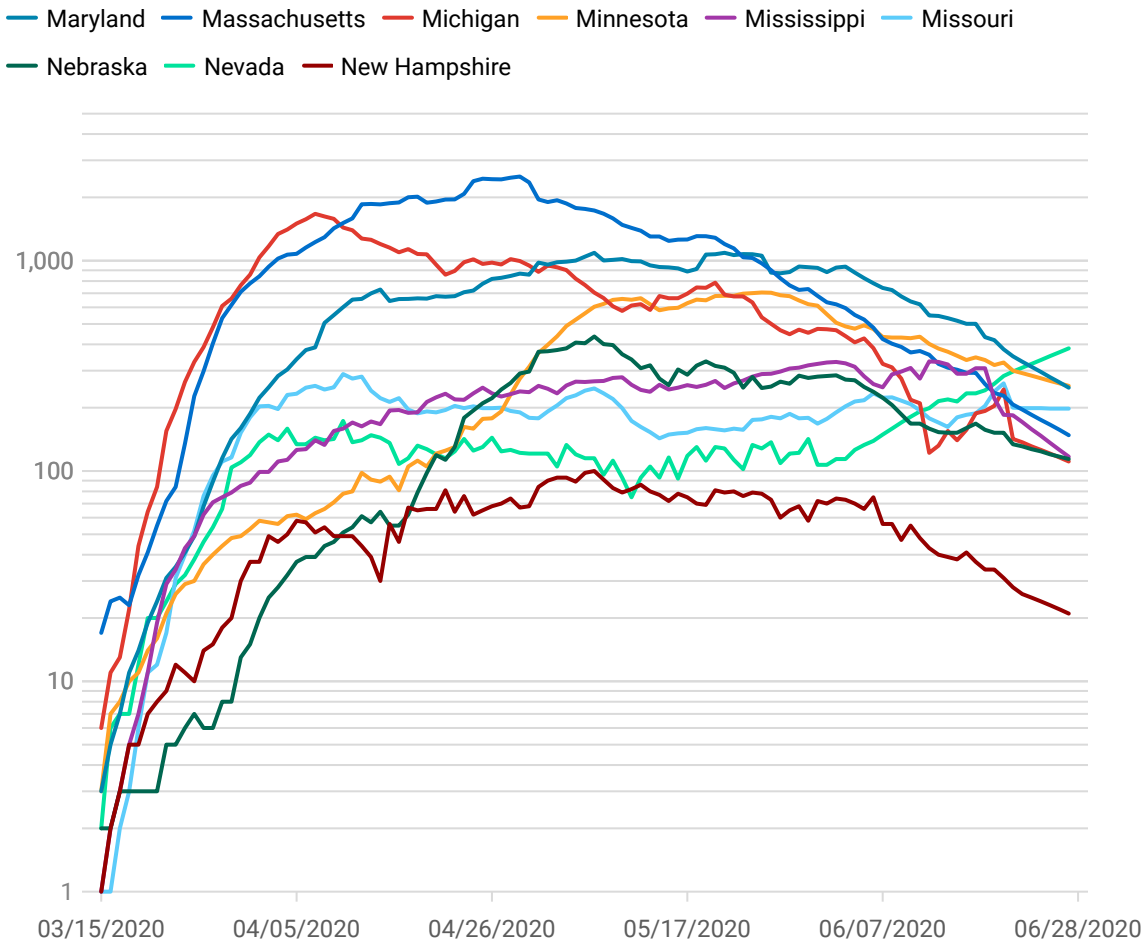
Actual and projected daily COVID-19 cases by state (MD-NH)



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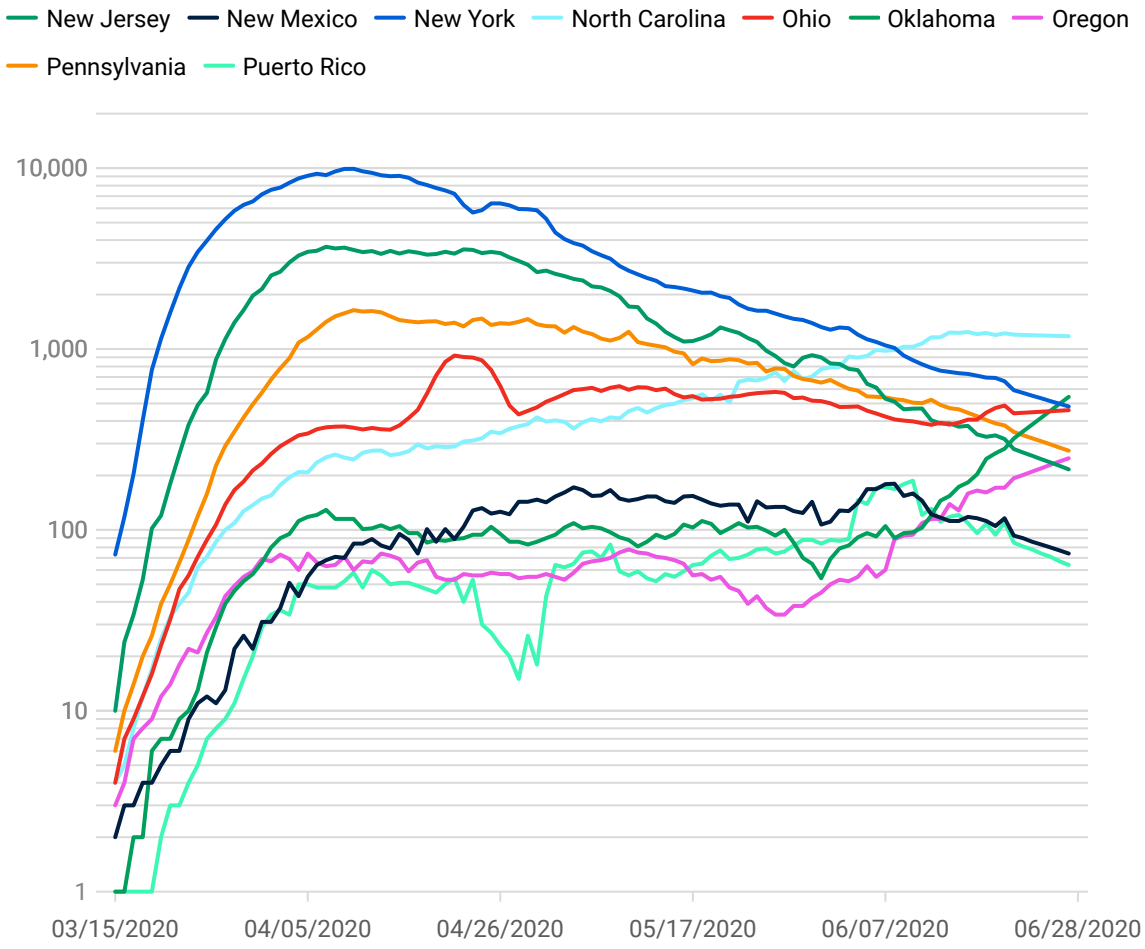
Actual and projected daily COVID-19 cases by state (NM-PR)



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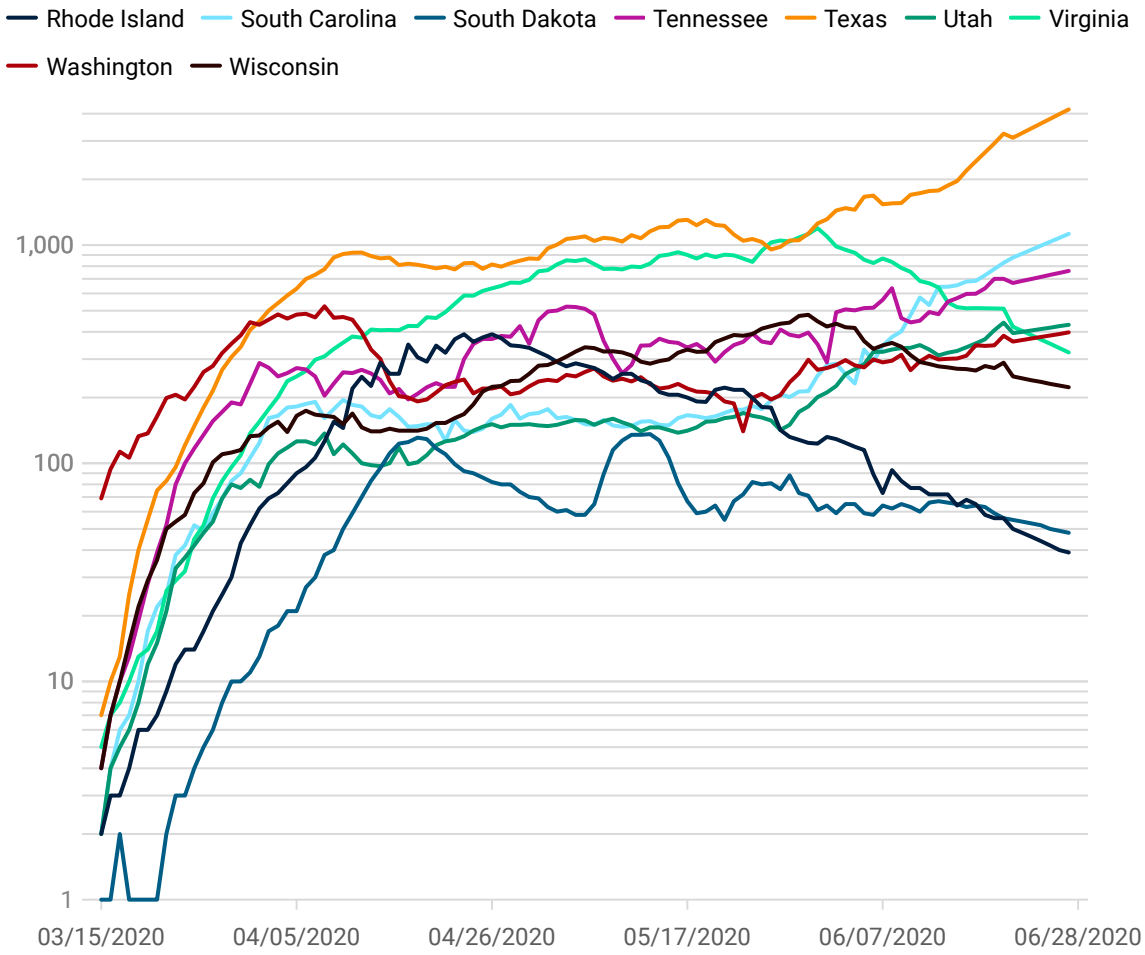
Actual and projected daily COVID-19 cases by state (RI-WI)



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