

# Coronavirus Disease 2019 (COVID-19)

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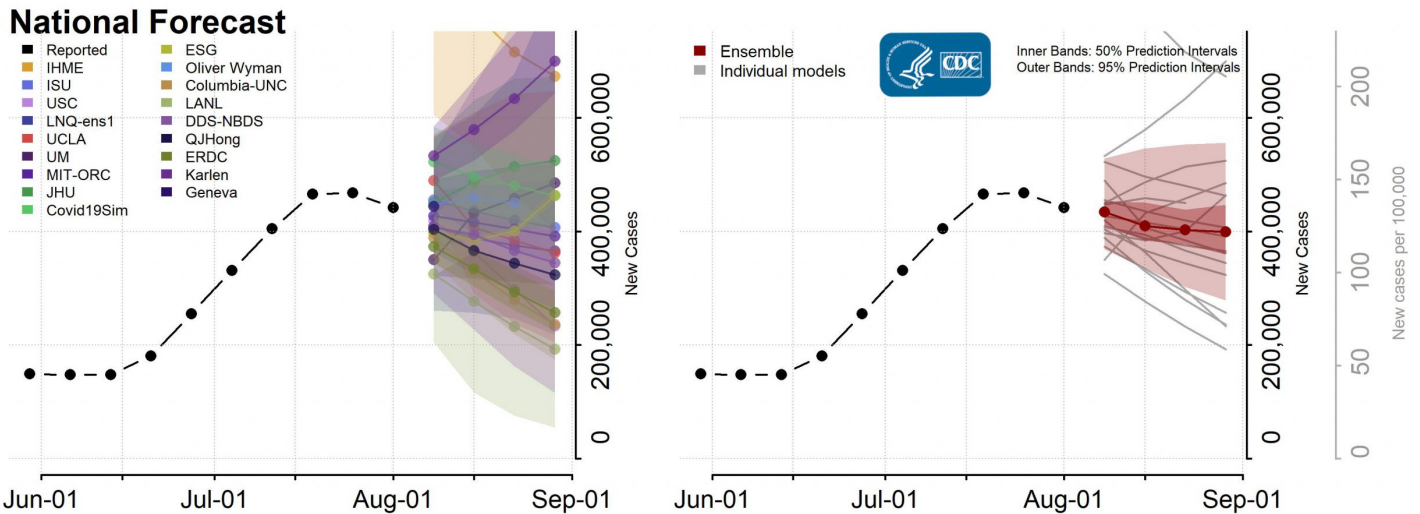
## COVID-19 Forecasts: Cases

Updated Aug. 13, 2020 [Print](#)

### Interpretation of Forecasts of New Cases

- This week CDC received forecasts that predict the number of new reported COVID-19 cases over the next four weeks, for the nation, states and territories, and counties. A total of 23 modeling groups submitted forecasts for one or more jurisdictions.
- This week’s national ensemble forecast predicts that weekly reports of new COVID-19 cases may decrease over the next month, with 186,000 to 538,000 new cases reported during the week ending September 5, 2020.
- The state- and territory-level ensemble forecasts indicate that the number of new reported cases per week are likely to decrease over the next four weeks in Alabama, Arizona, Georgia, Guam, Louisiana, Nevada, the Northern Mariana Islands, Texas, and the Virgin Islands.
- Information about participating modeling groups, with model names, intervention assumptions, and methods, is available at [https://github.com/cdcepi/COVID-19-Forecasts/blob/master/COVID-19\\_Forecast\\_Model\\_Descriptions.md](https://github.com/cdcepi/COVID-19-Forecasts/blob/master/COVID-19_Forecast_Model_Descriptions.md)

### National Forecasts



- The figure shows the number of new COVID-19 cases reported nationally in the United States each week from June 6 to August 8, 2020, and forecasted new cases over the next four weeks, through September 5, 2020.


- Models make various assumptions about the levels of social distancing and other interventions, which may not reflect recent changes in behavior.

## State & County Forecasts


State-level and county-level forecast figures show observed and forecasted new COVID-19 cases in each location. Each forecast uses a different scale, due to differences in the numbers of COVID-19 cases occurring in each jurisdiction. To aid in comparisons between jurisdictions, the ensemble plot for each location has a second axis (in grey) that shows the expected number of cases per 100,000 people.

[Download forecasts for states and territories and for counties](#)  [PDF – 533 pages]<sup>1</sup>



















[Download forecast data](#)  [1 sheet]







Additional forecast data and information on forecast submission are available at the [COVID-19 Forecasting Hub](#) .

## Forecast Assumptions

The forecasts make different assumptions about social distancing measures. Information about individual models is available here: [https://github.com/cdcepi/COVID-19-Forecasts/blob/master/COVID-19\\_Forecast\\_Model\\_Descriptions.md](https://github.com/cdcepi/COVID-19-Forecasts/blob/master/COVID-19_Forecast_Model_Descriptions.md) .

Forecasts fall into one of three categories:

- These modeling groups make assumptions about how levels of social distancing will change in the future:
  - [Columbia University](#)  (Model: Columbia)
  - [Johns Hopkins University, Infectious Disease Dynamics Lab](#)  (Model: JHU)
  - [University of California, Los Angeles](#)  (Model: UCLA)
- These groups assume that existing social distancing measures will continue through the projected four-week time period:
  - [Berkeley Yu Group](#)  (Model: Yu\_Group)
  - [Carnegie Mellon University](#)  (Model: CMU)
  - [Center for Disease Dynamics, Economics & Policy](#)  (Model: CDDEP)
  - [Columbia University and University of North Carolina](#)  (Model: Columbia-UNC)
  - [Discrete Dynamical Systems](#)  (Model: DDS)
  - [Karlen Working Group](#)  (Model: Karlen)
  - [LockNQuay](#)  (Model: LNQ)
  - [Los Alamos National Laboratory](#)  (Model: LANL)
  - [Massachusetts Institute of Technology, Operations Research Center](#)  (Model: MIT-ORC)
  - [Oliver Wyman](#)  (Model: Oliver Wyman)
  - [Pandemic Central](#)  (Model: PandemicCentral)
  - [Qi-Jun Hong](#)  (Model: QJHong)
  - [Robert Walraven](#)  (Model: ESG)
  - [US Army Engineer Research and Development Center](#)   (Model: ERDC)

- [University of Geneva/Swiss Data Science Center \(one-week ahead forecasts only\)](#)  (Model: Geneva)
- [University of Georgia Center for the Ecology of Infectious Diseases Forecasting Working Group](#)  (Model: UGA-CEID)
- [University of Massachusetts, Amherst](#)  (Model: UMass)
- [University of Michigan](#)  (Model: UM)
- [University of Southern California](#)  (Model: USC)
- The [University of Virginia](#)  (Model: UVA) forecast combines three models, including two models which assume that existing control measures will remain in place and one model which assumes that interventions will change in the future.

<sup>1</sup> The full range of the prediction intervals is not visible for all state plots. Please see the forecast data for the full range of state specific prediction intervals.

## Additional Resources

[Previous COVID-19 Forecasts: Cases](#)

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[FAQ: COVID-19 Data and Surveillance](#)

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[CDC COVID Data Tracker](#)

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[COVID-19 Mathematical Modeling](#)

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Content source: [National Center for Immunization and Respiratory Diseases \(NCIRD\), Division of Viral Diseases](#)