

# Coronavirus Disease 2019 (COVID-19)



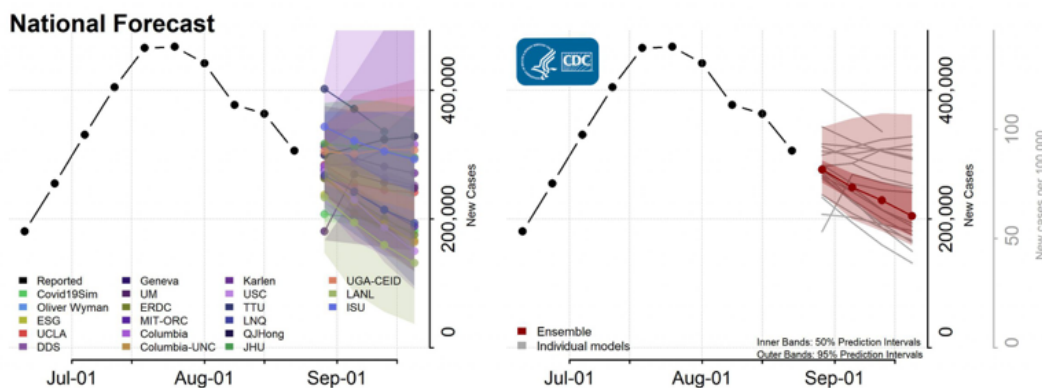
## COVID-19 Forecasts: Cases

Updated Aug. 28, 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 24 modeling groups submitted forecasts for one or more jurisdictions.
- This week's national ensemble forecast predicts that weekly reports of new COVID-19 cases will likely decrease over the next month, with 160,000 to 360,000 new cases reported during the week ending September 19, 2020.
- The state- and territory-level ensemble forecasts indicate that the number of new reported cases per week may decrease in 30 jurisdictions. Trends in numbers of future reported cases are uncertain or predicted to remain stable in the other jurisdictions.
- 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 20 to August 22, 2020, and forecasted new cases

over the next four weeks, through September 19, 2020


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

## 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 two categories:

- These modeling groups make assumptions about how levels of social distancing will change in the future:
  - [Columbia University](#)  (Model: Columbia)
  - [COVID-19 Simulator Consortium](#)  (Model: CovidSim)
  - [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:
  - [Carnegie Mellon University](#)  (Model: CMU)
  - [Columbia University and University of North Carolina](#)  (Model: Columbia-UNC)
  - [Discrete Dynamical Systems](#)  (Model: DDS)
  - [Iowa State University](#)  (Model: ISU)
  - [IQVIA Analytics Center of Excellence](#)  (Model: IQVIA)
  - [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)
- [Texas Tech University](#)  (Model: TTU)
- [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)

<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](#)