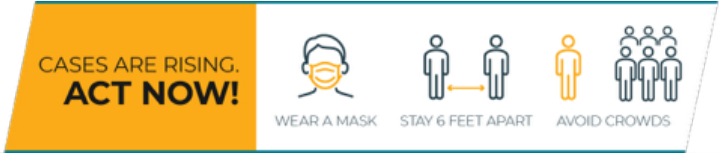


COVID-19



COVID-19 Forecasts: Hospitalizations

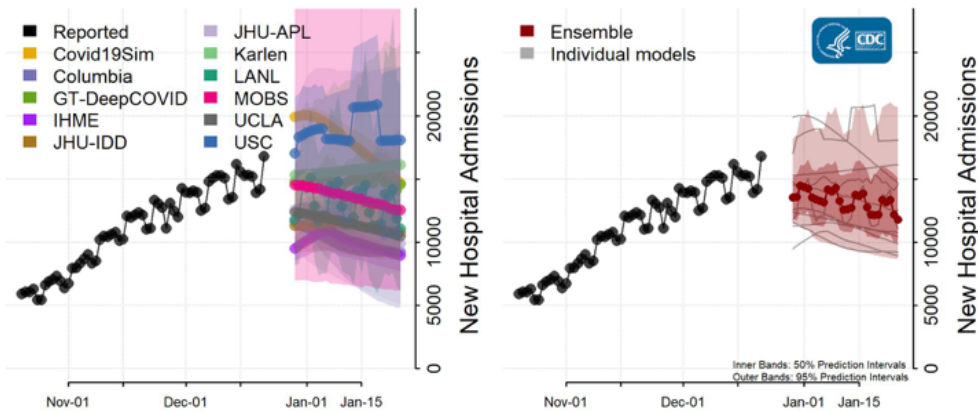
Updated Dec. 30, 2020 [Print](#)

Interpretation of Forecasts of New Hospitalizations

- This week, CDC received forecasts of daily, new reported COVID-19 hospital admissions over the next 4 weeks from 13 modeling groups. These models were used to create ensemble forecasts of hospital admissions for each jurisdiction, which are now displayed to the right of the individual models.
- This week's national ensemble predicts that 8,600 to 21,000 new confirmed COVID-19 hospital admissions will be reported January 25, 2021.

National Forecasts

National Forecast



- The figure shows the number of new confirmed COVID-19 hospital admissions reported nationally in the United States each day from October 20, 2020 to December 21, 2020 and the predicted number of new COVID-19 hospital admissions per day for the next 4 weeks, for December 28, 2020 through January 25, 2021.
- The forecasts make different assumptions about hospitalization rates and levels of social distancing and other interventions and use different methods to estimate the number of new hospital admissions. See model descriptions below for details.


[Download national forecast data](#) [XLS - 21 KB]

State Forecasts


State-level forecasts show the predicted number of new COVID-19 hospital admissions per day for the next 4 weeks by state. Each state uses a different scale, due to differences in the number of new COVID-19 hospital admissions per day in each state.

[Download state forecasts](#)  [PDF – 8 pages] ¹

[Download all forecast data](#)  [CSV – 2 MB]







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

Forecast Assumptions

The forecasts make different assumptions about social distancing measures and use different methods and data sets to estimate the number of new hospital admissions. Additional individual models details are available here; https://github.com/cdcepi/COVID-19-Forecasts/blob/master/COVID-19_Forecast_Model_Descriptions.md .

Additional information on use of HHS-reported hospital admissions for [COVID-19 forecasts](#)  is available here: <https://github.com/reichlab/covid19-forecast-hub/blob/master/data-processed/README.md#hospitalizations> .

Social distancing is incorporated into the forecasts in two different ways:

- 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: Covid19Sim)
 - [Johns Hopkins University, Infectious Disease Dynamics Lab](#)  (Model: JHU-IDD)
 - [Institute of Health Metrics and Evaluation](#)  (Model: IHME)
 - [University of California, Los Angeles](#)  (Model: UCLA)
- These modeling groups assume that existing social distancing measures in each jurisdiction will continue through the projected 4-week time period:
 - [Georgia Institute of Technology, College of Computing,](#)  (Model: GT-DeepCOVID)
 - [Google and Harvard School of Public Health](#)  (Model: Google-HSPH)
 - [Johns Hopkins University, Applied Physics Lab](#)  (Model: JHU-APL)
 - [Karlen Working Group](#)  (Model: Karlen)
 - [Los Alamos National Laboratory](#)  (Model: LANL)
 - [Northeastern University, Laboratory for the Modeling of Biological and Socio-technical System](#)  (Model: MOBS)
 - [University of California, Santa Barbara](#)  (Model: UCSB)
 - [University of Southern California](#)  (Model: USC)

¹ 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: Hospitalizations](#)

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

[CDC COVID Data Tracker](#)

[COVID-19 Mathematical Modeling](#)

Last Updated Dec. 30, 2020

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