

# COVID-19

**ACT NOW!**



- Home
- Your Health
- Vaccines
- Cases & Data**
- Work & School
- Healthcare Workers
- Health Depts
- More

## Cases, Data & Surveillance

- US Cases & Deaths
- Cases & Deaths by County
- Testing Data in the US
- Hospitalizations & Emergency Dept Visits
- Serology (Antibody) Surveillance
- Estimated COVID-19 Burden
- Wastewater Surveillance
- Forecasting**
- Case Forecasts
- Death Forecasts**
- Previous Death Forecasts
- Hospitalization Forecasts
- Forecasting: Background
- Special Populations Data
- COVIDView Weekly Summary
- Sequencing for SARS-CoV-2 (SPHERES)
- Epidemiology for COVID-19

### Get Email Updates

To receive email updates about COVID-19, enter your email address:

Email Address

What's this?

Submit

## COVID-19 Forecasts: Deaths

Updated Jan. 29, 2021 [Print](#)

Observed and forecasted new and total reported COVID-19 deaths as of January 25, 2021.

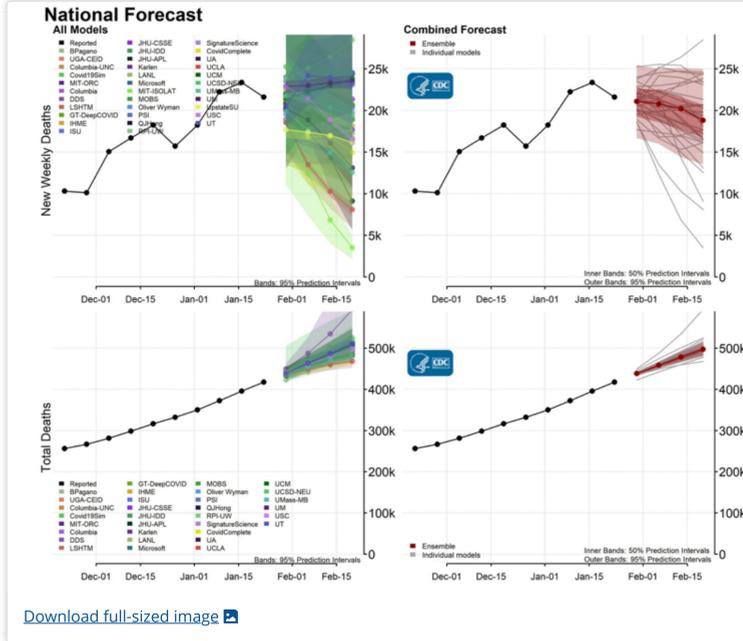
### Interpretation of Forecasts of New and Total Deaths

- This week, CDC received forecasts of COVID-19 deaths over the next 4 weeks from 38 modeling groups that were included in the ensemble forecasts. Of the 38 groups, 33 provided forecasts for both new and total deaths, two groups forecasted total deaths only, and three forecasted new deaths only.
- This week's national [ensemble forecast](#) predicts that the number of newly reported COVID-19 deaths will likely decrease over the next 4 weeks, with 13,500 to 25,000 new deaths likely reported in the week ending February 20, 2021. The national ensemble predicts that a total of 479,000 to 514,000 COVID-19 deaths will be reported by this date.
- The state- and territory-level ensemble forecasts predict that over the next 4 weeks, the number of newly reported deaths per week will likely decrease in 10 jurisdictions, which are indicated in the forecast plots below. Trends in numbers of future reported deaths are uncertain or predicted to remain stable in the other states and territories.

#### On This Page

- [National Forecast](#)
- [State Forecasts](#)
- [Ensemble Forecast](#)
- [Forecast Assumptions](#)

### National Forecast



[Download full-sized image](#)

- The top row of the figure shows the number of new COVID-19 deaths reported in the United States each week from November 21 through January 23 and forecasted new deaths over the next 4 weeks, through February 20.
- The bottom row of the figure shows the number of total COVID-19 deaths in the United States each week from November 21 through January 23 and the forecasted number of total COVID-19 deaths over the next 4 weeks, through February 20.
- Models make various assumptions about the levels of social distancing and other interventions, which may not reflect recent changes in behavior.

[Download national forecast data](#) [XLS - 29 KB]

### State Forecasts

Plots of individual state forecasts, each state-level [ensemble forecast](#), and the underlying data can be downloaded below. Each state forecast figure uses a different scale, due to differences in the number of COVID-19 deaths between states.

[Download state forecasts](#) [1.75 MB, 29 pages]<sup>1</sup>

[Download forecast data](#) [CSV - 1 MB]

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

**Forecasts on COVID Data Tracker**  
View interactive visualizations of current and past cumulative and weekly COVID-19 death forecasts for the U.S. states and territories. Also, find maps and charts tracking cases, deaths, and trends of COVID-19 in the U.S.

### Ensemble Forecast

An "ensemble" forecast combines each of the independently developed forecasts into one aggregate forecast to improve prediction over the next 4 weeks. Both national- and state-level ensemble forecasts are developed for predicting new and total COVID-19 deaths reported each week for the next 4 weeks. [Ensemble Forecasts of Coronavirus Disease 2019 \(COVID-19\) in the U.S.](#) describes its accuracy in short-term predictions and its usefulness as a real-time tool to help guide policy and planning.

### Forecast Inclusion and Assumptions

The forecast included in the ensembles are displayed below. Forecasts are included when they meet a set of submission and data quality requirements, further described here: <https://github.com/reichlab/covid-19-forecast-hub#ensemble-model>.

The forecasts make different assumptions about how social distancing measures will change in the future. 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). The list below includes all models that submitted a national- or state-level forecast.

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: Covid19Sim)
  - [Google and Harvard School of Public Health](#) (Model: Google-HSPH)
  - [Institute for Health Metrics and Evaluation](#) (Model: IHME)
  - [Johns Hopkins University, Infectious Disease Dynamics Lab](#) (Model: JHU-IDD)
  - [Predictive Science Inc.](#) (Model: PSI)
  - [University of California, Los Angeles](#) (Model: UCLA)
- These modeling groups assume that existing social distancing measures will continue through the projected 4-week time period:
  - [Bob Pagano](#) (Model: BPagano)
  - [Carnegie Mellon Delphi Group](#) (Model: CMU)
  - [Columbia University and University of North Carolina](#) (Model: Columbia-UNC)
  - [Discrete Dynamical Systems](#) (Model: DDS)
  - [Georgia Institute of Technology, College of Computing](#) (Model: GT-DeepCOVID)
  - [Iowa State University](#) (Model: ISU)
  - [Johns Hopkins University Applied Physics Lab](#) (Model: JHU-APL)
  - [Johns Hopkins University, Center for Systems Science and Engineering](#) (Model: JHU-CSSE)
  - [Karlen Working Group](#) (Model: Karlen)
  - [London School of Hygiene and Tropical Medicine](#) (Model: LSHTM)
  - [Los Alamos National Laboratory](#) (Model: LANL)
  - [Massachusetts Institute of Technology, Institute for Data, Systems, and Society](#) (Model: MIT-ISOLAT)
  - [Massachusetts Institute of Technology, Operations Research Center](#) (Model: MIT-ORC)
  - [Microsoft AI](#) (Model: Microsoft)
  - [Northeastern University, Laboratory for the Modeling of Biological and Socio-technical Systems](#) (Model: MOBS)
  - [Oliver Wyman](#) (Model: Oliver Wyman)
  - [Qi-Jun Hong](#) (Model: QJHong)
  - [Rensselaer Polytechnic Institute and University of Washington](#) (Model: RPI-UW)
  - [Signature Science](#) (Model: SignatureScience)
  - [Steve McCannell](#) (Model: CovidComplete)
  - [State University of New York, Upstate Medical University and Syracuse University](#) (Model: UpstateSU)
  - [University of Arizona](#) (Model: UA)
  - [University of California, Merced](#) (Model: UCM)
  - [University of California, Santa Barbara](#) (Model: UCSB)
  - [University of California, San Diego and Northeastern University](#) (Model: UCSD-NEU)
  - [University of Georgia, Center for the Ecology of Infectious Disease](#) (Model: UGA-CEID)
  - [University of Massachusetts, Amherst](#) (Models: UMass-MB and Ensemble)
  - [University of Michigan](#) (Model: UM)
  - [University of Southern California](#) (Model: USC)
  - [University of Texas, Austin](#) (Model: UT)
  - [Walmart Labs Data Science Team](#) (Model: Walmart)

<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: Deaths](#)
- [FAQ: COVID-19 Data and Surveillance](#)
- [CDC COVID Data Tracker](#)
- [COVID-19 Mathematical Modeling](#)
- [Ensemble Forecasts of Coronavirus Disease 2019 \(COVID-19\) in the U.S.](#)



Last Updated Jan. 29, 2021  
Content source: National Center for Immunization and Respiratory Diseases (NCIRD), Division of Viral Diseases

**HAVE QUESTIONS?**  
Visit CDC-INFO  
Call 800-232-4636  
Email CDC-INFO  
Open 24/7

**CDC INFORMATION**  
About CDC  
Jobs  
Funding  
Policies  
File Viewers & Players

**Privacy**  
FOIA  
No Fear Act  
NID  
Nondiscrimination  
Accessibility

**CONNECT WITH CDC**  
Facebook, Twitter, Instagram, LinkedIn, YouTube, RSS, Email

U.S. Department of Health & Human Services

USA.gov

[CDC Website Exit Disclaimer](#)

#### LANGUAGE ASSISTANCE

- Español
- Tagalog
- Français
- Deutsch
- 繁體中文
- Русский
- Polski
- 日本語
- Tiếng Việt
- العربية
- Português
- فارسي
- 한국어
- Kreyòl Ayisyen
- Italiano
- English