



## Influenza (Flu)



[Influenza \(Flu\) Home](#)

# Forecasts of Flu Hospitalizations

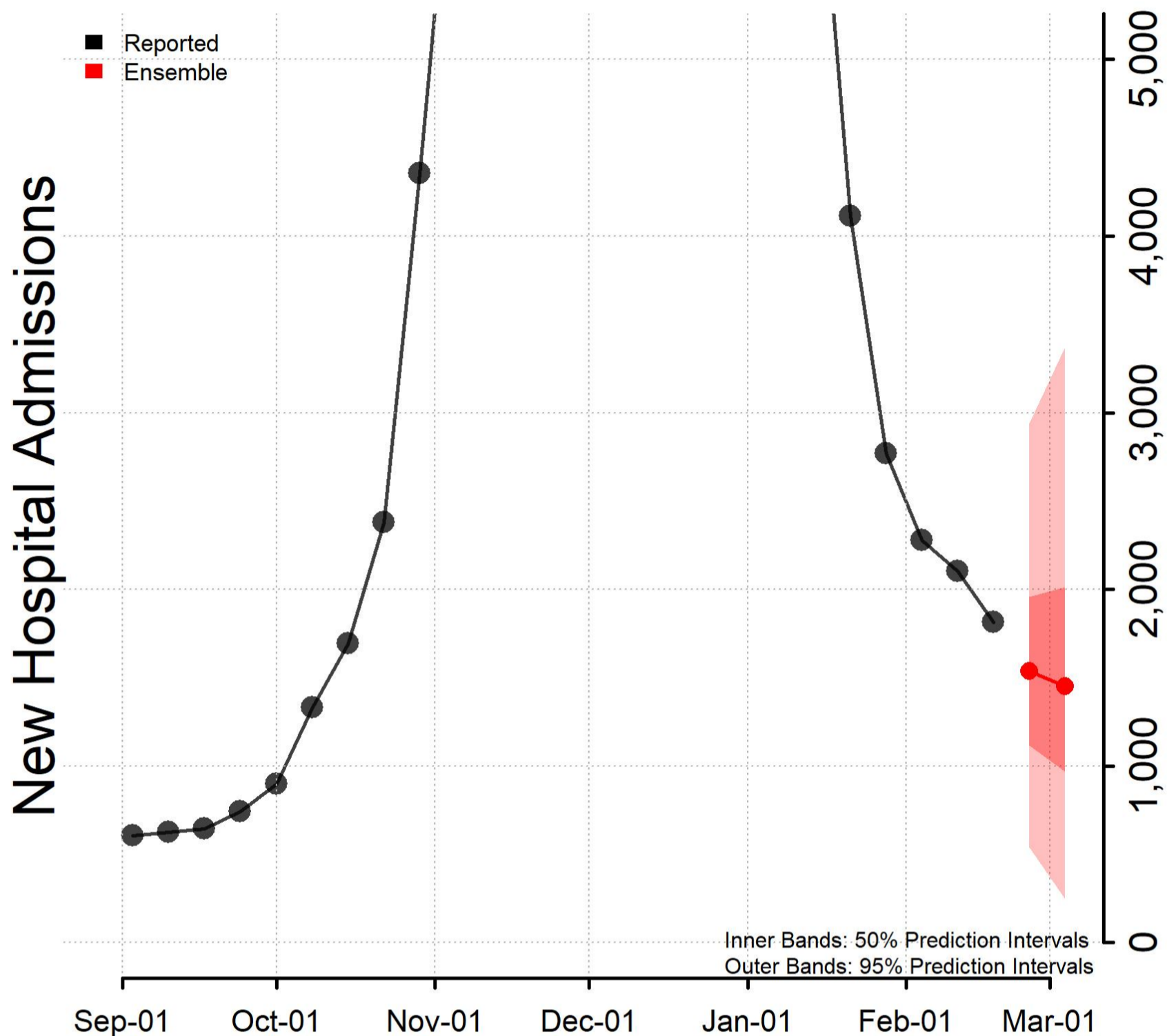
Updated February 22, 2023

## Reported and forecasted new influenza hospitalizations as of February 21, 2023.

### Interpretation of National Forecasts of New Hospitalizations

- This week's ensemble predicts that the number of new weekly confirmed influenza hospital admissions will remain stable or have an uncertain trend nationally, with **240 to 3,400** new confirmed influenza hospital admissions likely reported in the week ending March 4, 2023.
- This week, 18 modeling groups contributed 19 forecasts that were eligible for inclusion in the ensemble forecasts for at least one jurisdiction. Contributing teams are listed below.
- Ensemble forecasts combine forecasts from diverse models into one forecast. They have been among the most reliable forecasts in performance for previous influenza and COVID-19 forecasting efforts, but even the ensemble forecasts may not reliably predict rapid changes.
- The figure shows the number of new confirmed influenza hospital admissions reported in the United States each week from September 1 through February 18 and forecasted new influenza hospital admissions per week over the next 2 weeks, through March 4. Hospitals are required to report laboratory-confirmed influenza hospitalizations to HHS Protect daily. See [COVID-19 Guidance for Hospital Reporting and FAQs](#)  [669 KB, 52 pages]  for additional details on this guidance.

# National Forecast



[Download all national data](#) [XLS - 10 KB]

## State Forecasts

State-level forecasts show the predicted number of new influenza hospital admissions per week for the next 2 weeks by state. Each state forecast figure uses a different scale due to differences in the number of new influenza hospital admissions per week between states and only forecasts included in the ensemble are shown. Plots of the state-level ensemble forecasts and the underlying data can be downloaded below.

[Download state forecasts](#) [PDF - 620 KB]

[Download all forecast data](#) [XLS - 182 KB]


Additional forecast data and information about submitting forecasts are available at <https://github.com/cdcepi/Flusight-forecast-data> .

## Contributing Teams

[California Department of Public Health \(CADPH\)](#) (Model: FluCAT)

[Carnegie Mellon Delphi Group](#) (Model: CMU-TimeSeries)

[CEPH Lab at Indiana University](#)  (Model: Rtrend\_fluH)



[Columbia University](#)  (Model: CU-ensemble)


[Fogarty International Center, National Institutes of Health \(NIH\)](#)  (Model: Flu\_ARIMA)

[Georgia Institute of Technology](#)  (Model: GT-FluFNP)


[Iowa State Niemi Research Lab](#)  (Model: Flu Forecast)

[Johns Hopkins ID Dynamics](#)  (Model: CovidScenarioPipeline)

[Los Alamos National Lab and Northern Arizona University](#)  (Model: LosAlamos\_NAU-CModel\_Flu) [MIGHTE](#)  (Model: Nsemble)


[MOBS Lab at Northeastern](#)  (Model: MOBS-GLEAM\_FLUH)

[Predictive Science Inc](#)  (Model: PSI-DICE)

[Signature Science](#)  (Model: SigSci-CREG)

[Signature Science](#)  (Model: SigSci-TSENS)

[Srivastava Group](#)  (Model: SGroup-RandomForest)

[UGA\\_flucast](#)  (Model: UGA\_flucast-OKeeffe)

[UNC Infectious Disease Dynamics](#)  (Model: Influpaint)

[University of Massachusetts-Amherst](#)  (Model: UMass-trends\_ensemble)

[University of Virginia, Biocomplexity Institute](#)  (Model: UVAFluX-Ensemble)

Last Reviewed: February 22, 2023