

Influenza (Flu)



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# Forecasts of Flu Hospitalizations

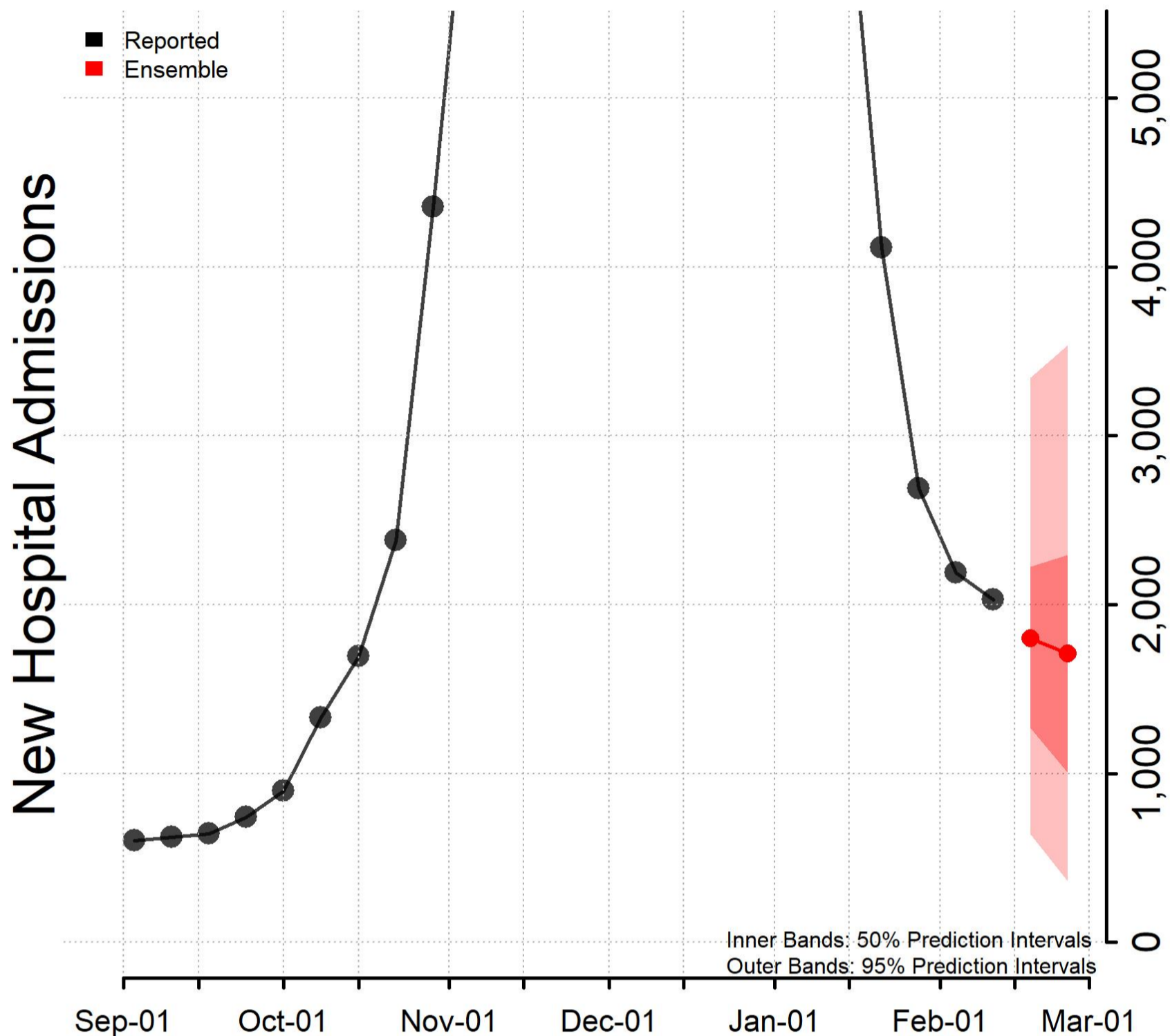
Updated February 16, 2023

## Reported and forecasted new influenza hospitalizations as of February 14, 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 **360 to 3,500** new confirmed influenza hospital admissions likely reported in the week ending February 25, 2023.
- This week, 20 modeling groups contributed 21 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 11 and forecasted new influenza hospital admissions per week over the next 2 weeks, through February 25. 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 - 693 KB]

[Download all forecast data](#) [XLS - 203 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)

LU Computational Uncertainty Lab [↗](#) (Model: LUcompUncertLab-humanjudgment)

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 Georgia Center for the Ecology of Infectious Diseases Forecasting Working Group [↗](#) (Model: CEID-Walk)

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

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

Last Reviewed: February 16, 2023