



Influenza (Flu)



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Forecasts of Flu Hospitalizations

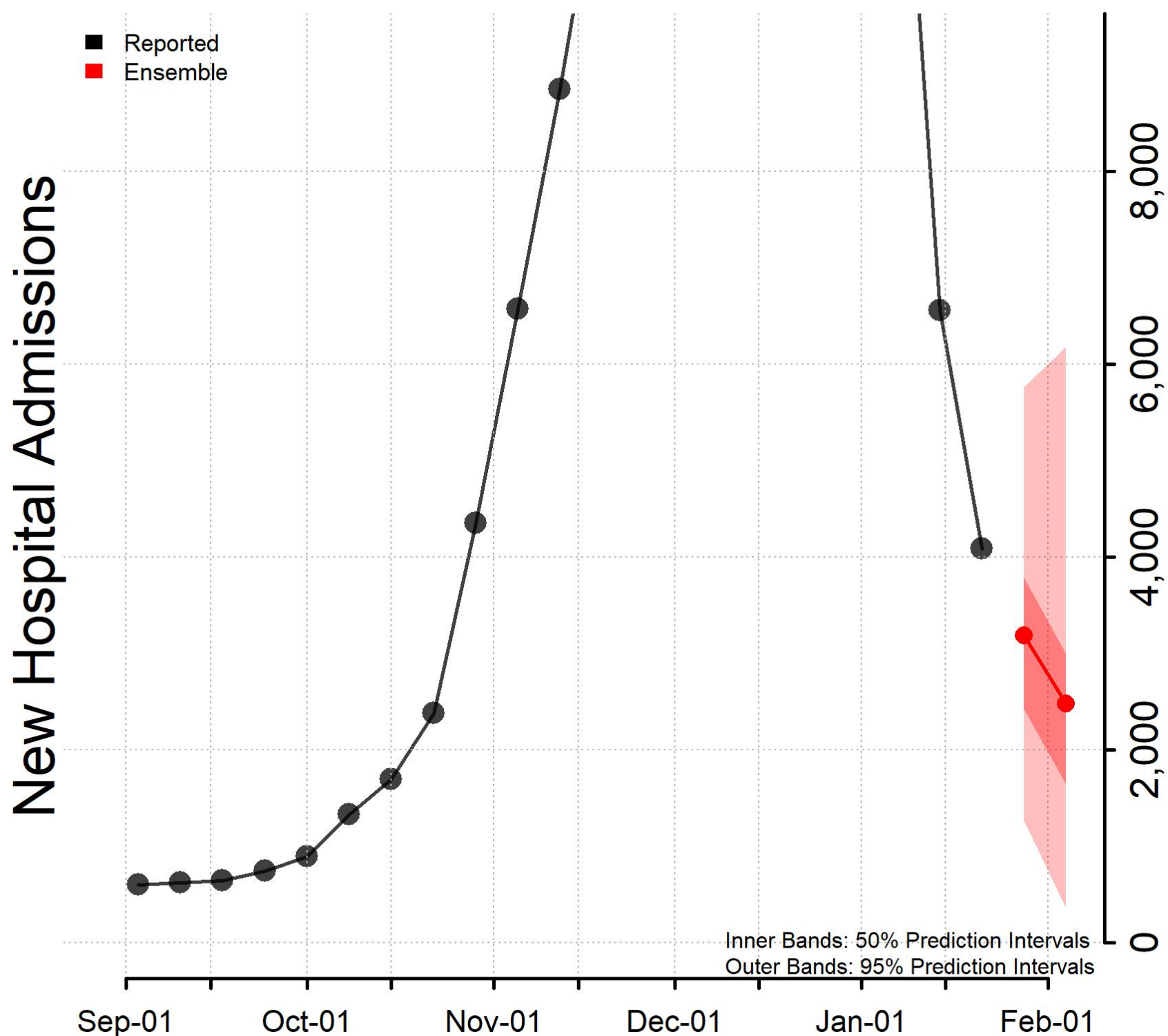
Updated January 25, 2023

Reported and forecasted new influenza hospitalizations as of January 24, 2023.

Interpretation of National Forecasts of New Hospitalizations

- This week's ensemble predicts that the number of new weekly confirmed influenza hospital admissions will likely decrease nationally, with **360 to 6,200** new confirmed influenza hospital admissions likely reported in the week ending February 4, 2023.
- This week, 20 modeling groups contributed 23 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 January 21 and forecasted new influenza hospital admissions per week over the next 2 weeks, through February 4. Hospitals are required to report laboratory-confirmed influenza hospitalizations to HHS Protect daily. See [COVID-19 Guidance for Hospital Reporting and FAQs](#)   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 - 646 KB]

[Download all forecast data](#) [XLS - 213 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)

[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: Hierarchical Compartmental Model)

[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 Guelph Dynamics Training Lab](#)  (Model: Influenza Piecewise Linear University of Guelph model)

[University of Massachusetts-Amherst](#)  (Model: GBQ)

[University of Massachusetts-Amherst](#)  (Model: UMass-trends_ensemble)

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

[Virginia Tech, Sanghani Center for Artificial Intelligence and Data Analytics](#)  (Model: VTSanghani-ExogModel)

Last Reviewed: January 25, 2023