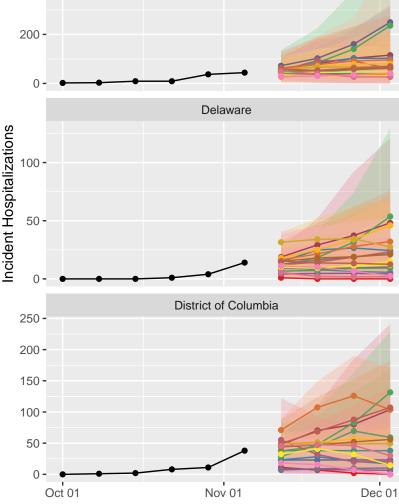
Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Alabama, Alaska, Arizona Selected forecast date(s): 2022-11-07 Model Alabama CEPH-Rtrend fluH 6000 -CMU-TimeSeries CU-ensemble 4000 -GT-FluFNP ISU_NiemiLab-Flu 2000 -JHU_IDD-CovidSP LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment LUcompUncertLab-KalmanFilter Alaska 250 -MIGHTE-Nsemble Incident Hospitalizations MOBS-GLEAM_FLUH 200 -PSI-DICE 150 **-**SGroup-RandomForest 100 -SigSci-CREG SigSci-TSENS 50 -UGA_flucast-OKeeffe 0 -UMass-trends_ensemble Arizona UVAFluX-Ensemble VTSanghani-ExogModel 750 -VTSanghani-Transformer 500 -Prediction Interval 250 -95% Truth Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): California, Arkansas, Colorado Selected forecast date(s): 2022-11-07 Arkansas 1200 -900 -Prediction Interval 600 -95% 300 -Truth Observed Data (HealthData) California Incident Hospitalizations 6000 -Model CADPH-FluCAT_Ensemble MOBS-GLEAM_FLUH 4000 -CEPH-Rtrend_fluH NIH-Flu_ARIMA CMU-TimeSeries PSI-DICE 2000 -SGroup-RandomForest CU-ensemble GT-FluFNP SigSci-CREG ISU_NiemiLab-Flu SigSci-TSENS Colorado JHU_IDD-CovidSP UGA_flucast-OKeeffe LUcompUncertLab-ensemble_rclp UMass-trends_ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble 400 -LUcompUncertLab-KalmanFilter VTSanghani-ExogModel MIGHTE-Nsemble VTSanghani-Transformer 200 -Nov 01 Dec 01 Oct 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Connecticut, Delaware, District of Columbia Selected forecast date(s): 2022-11-07 Model Connecticut CEPH-Rtrend fluH 600 -CMU-TimeSeries CU-ensemble 400 -GT-FluFNP ISU_NiemiLab-Flu 200 -JHU_IDD-CovidSP LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment LUcompUncertLab-KalmanFilter Delaware MIGHTE-Nsemble MOBS-GLEAM_FLUH 100 -NIH-Flu_ARIMA PSI-DICE 50 -SGroup-RandomForest



→ VTSanghani–Transformer

Prediction Interval

95%

SigSci-TSENS

UGA_flucast-OKeeffe

UVAFluX-Ensemble

UMass-trends ensemble

VTSanghani-ExogModel

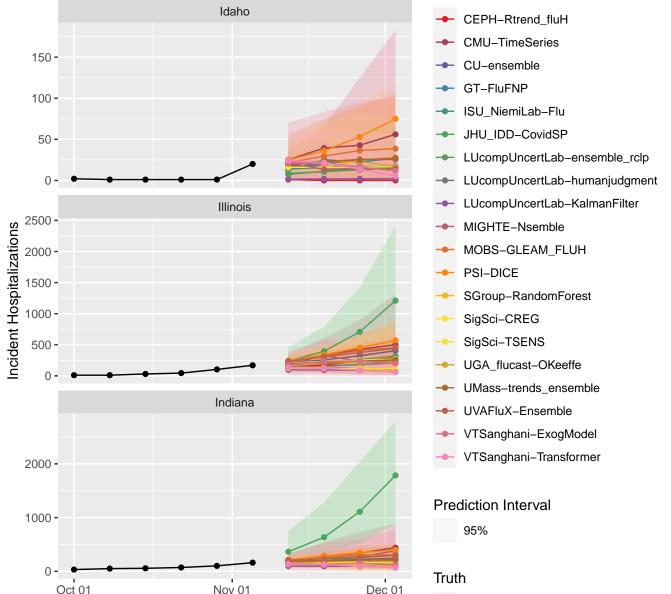
Tr. .41

Truth

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Florida, Georgia, Hawaii Selected forecast date(s): 2022-11-07 Florida 1500 -1000 -Prediction Interval 95% 500 -Truth Observed Data (HealthData) Georgia 3000 ncident Hospitalizations Model CEPH-Rtrend_fluH NIH-Flu_ARIMA 2000 -CMU-TimeSeries PSI-DICE CU-ensemble SGroup-RandomForest 000 -SigSci-CREG GT-FluFNP ISU_NiemiLab-Flu SigSci-TSENS JHU_IDD-CovidSP UGA_flucast-OKeeffe Hawaii LUcompUncertLab-ensemble_rclp UMass-trends_ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble LUcompUncertLab-KalmanFilter VTSanghani-ExogModel 40 -MIGHTE-Nsemble VTSanghani-Transformer MOBS-GLEAM_FLUH 20 -0 -Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Idaho, Illinois, Indiana Selected forecast date(s): 2022–11–07

Model



Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Iowa, Kansas, Kentucky Selected forecast date(s): 2022-11-07 Model Iowa CEPH-Rtrend fluH 500 -CMU-TimeSeries 400 -CU-ensemble GT-FluFNP 300 -ISU_NiemiLab-Flu 200 -JHU_IDD-CovidSP 100 -LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment 0 -LUcompUncertLab-KalmanFilter Kansas MIGHTE-Nsemble ncident Hospitalizations 600 -MOBS-GLEAM_FLUH PSI-DICE 400 -SGroup-RandomForest SigSci-CREG 200 -SigSci-TSENS UGA_flucast-OKeeffe 0 UMass-trends_ensemble Kentucky UVAFluX-Ensemble 1500 -VTSanghani-ExogModel VTSanghani-Transformer 1000 -Prediction Interval 500 -95% Truth

Dec 01

Observed Date (Health Date)

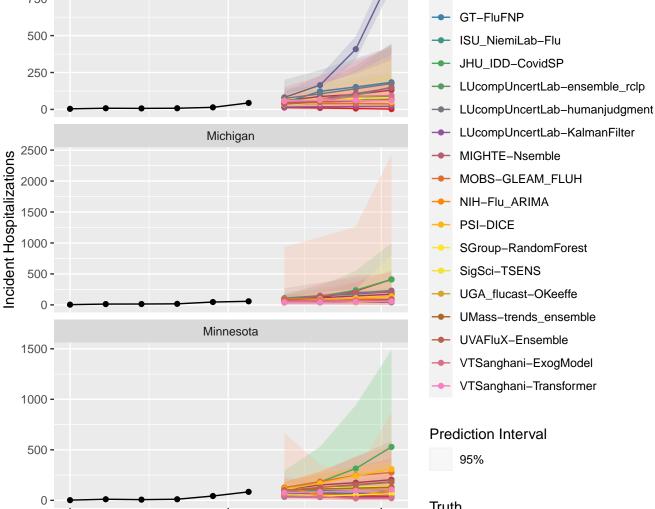
Nov 01

Oct 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Louisiana, Maine, Maryland Selected forecast date(s): 2022-11-07 Louisiana 2500 -2000 -1500 -Prediction Interval 1000 -95% 500 -Truth Observed Data (HealthData) Maine 60 ncident Hospitalizations Model CEPH-Rtrend_fluH 40 -NIH-Flu_ARIMA PSI-DICE CMU-TimeSeries CU-ensemble SGroup-RandomForest 20 -SigSci-CREG GT-FluFNP ISU_NiemiLab-Flu SigSci-TSENS JHU_IDD-CovidSP UGA_flucast-OKeeffe Maryland LUcompUncertLab-ensemble_rclp UMass-trends_ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble 1500 -LUcompUncertLab-KalmanFilter VTSanghani-ExogModel MIGHTE-Nsemble VTSanghani-Transformer 1000 -MOBS-GLEAM_FLUH 500 -Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted

Selected location(s): Massachusetts, Michigan, Minnesota Selected forecast date(s): 2022-11-07 Model Massachusetts CEPH-Rtrend fluH 1000 -CMU-TimeSeries CU-ensemble 750 -GT-FluFNP ISU_NiemiLab-Flu JHU_IDD-CovidSP



Nov 01

Oct 01

LUcompUncertLab-KalmanFilter MIGHTE-Nsemble MOBS-GLEAM_FLUH

PSI-DICE SGroup-RandomForest

UGA_flucast-OKeeffe UMass-trends_ensemble

UVAFluX-Ensemble VTSanghani-ExogModel

Prediction Interval

Dec 01

Truth

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Mississippi, Missouri, Montana Selected forecast date(s): 2022-11-07 Model Mississippi CEPH-Rtrend fluH CMU-TimeSeries 2000 -CU-ensemble 1500 -GT-FluFNP ISU_NiemiLab-Flu 1000 -JHU_IDD-CovidSP 500 -LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment 0 -LUcompUncertLab-KalmanFilter Missouri MIGHTE-Nsemble ncident Hospitalizations 1500 -MOBS-GLEAM_FLUH PSI-DICE 000 -SGroup-RandomForest SigSci-CREG 500 -SigSci-TSENS UGA_flucast-OKeeffe 0 -UMass-trends_ensemble Montana UVAFluX-Ensemble VTSanghani-ExogModel 90 -VTSanghani-Transformer 60 -Prediction Interval 30 -95% Truth Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Nebraska, Nevada, New Hampshire Selected forecast date(s): 2022-11-07 Model Nebraska CEPH-Rtrend fluH CMU-TimeSeries 600 -CU-ensemble GT-FluFNP 400 -ISU_NiemiLab-Flu JHU_IDD-CovidSP 200 -LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment LUcompUncertLab-KalmanFilter Nevada MIGHTE-Nsemble ncident Hospitalizations MOBS-GLEAM_FLUH 000 -PSI-DICE SGroup-RandomForest SigSci-CREG 500 -SigSci-TSENS UGA_flucast-OKeeffe 0 -UMass-trends_ensemble New Hampshire UVAFluX-Ensemble VTSanghani-ExogModel 60 -VTSanghani-Transformer 40 -Prediction Interval 20 -95% Truth Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): New Jersey, New Mexico, New York Selected forecast date(s): 2022-11-07 **New Jersey** 2000 -1500 -Prediction Interval 1000 -95% 500 -Truth Observed Data (HealthData) New Mexico ncident Hospitalizations 600 -Model CEPH-Rtrend_fluH NIH-Flu_ARIMA 400 -CMU-TimeSeries PSI-DICE SGroup-RandomForest CU-ensemble 200 -SigSci-CREG GT-FluFNP ISU_NiemiLab-Flu SigSci-TSENS JHU_IDD-CovidSP UGA_flucast-OKeeffe New York LUcompUncertLab-ensemble_rclp UMass-trends_ensemble 3000 -LUcompUncertLab-humanjudgment UVAFluX-Ensemble LUcompUncertLab-KalmanFilter VTSanghani-ExogModel 2000 -MIGHTE-Nsemble VTSanghani-Transformer MOBS-GLEAM_FLUH 1000 -Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): North Carolina, North Dakota, Ohio Selected forecast date(s): 2022-11-07 North Carolina 3000 -2000 -Prediction Interval 95% 1000 -Truth Observed Data (HealthData) North Dakota ncident Hospitalizations Model 100 -CEPH-Rtrend_fluH NIH-Flu_ARIMA CMU-TimeSeries PSI-DICE SGroup-RandomForest CU-ensemble 50 -SigSci-CREG GT-FluFNP ISU_NiemiLab-Flu SigSci-TSENS JHU_IDD-CovidSP UGA_flucast-OKeeffe Ohio LUcompUncertLab-ensemble_rclp UMass-trends_ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble 3000 -LUcompUncertLab-KalmanFilter VTSanghani-ExogModel MIGHTE-Nsemble VTSanghani-Transformer 2000 -MOBS-GLEAM_FLUH 1000 -Nov 01 Dec 01 Oct 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Oklahoma, Oregon, Pennsylvania Selected forecast date(s): 2022-11-07 Oklahoma 1000 -Prediction Interval 95% 500 -Truth Observed Data (HealthData) Oregon Incident Hospitalizations Model 400 -CEPH-Rtrend_fluH NIH-Flu_ARIMA 300 -CMU-TimeSeries PSI-DICE 200 -CU-ensemble SGroup-RandomForest SigSci-CREG GT-FluFNP 100 -ISU_NiemiLab-Flu SigSci-TSENS JHU_IDD-CovidSP UGA_flucast-OKeeffe Pennsylvania LUcompUncertLab-ensemble_rclp UMass-trends_ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble 3000 -LUcompUncertLab-KalmanFilter VTSanghani-ExogModel MIGHTE-Nsemble VTSanghani-Transformer 2000 -MOBS-GLEAM_FLUH 1000 -Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Rhode Island, South Carolina, South Dakota Selected forecast date(s): 2022-11-07 Model Rhode Island CEPH-Rtrend fluH 50 -CMU-TimeSeries 40 -CU-ensemble GT-FluFNP 30 -ISU_NiemiLab-Flu 20 -JHU_IDD-CovidSP 10 -LUcompUncertLab-ensemble_rclp 0 -LUcompUncertLab-humanjudgment LUcompUncertLab-KalmanFilter South Carolina MIGHTE-Nsemble Incident Hospitalizations 3000 -MOBS-GLEAM_FLUH PSI-DICE 2000 -SGroup-RandomForest SigSci-CREG 1000 -SigSci-TSENS UGA_flucast-OKeeffe 0 UMass-trends_ensemble South Dakota UVAFluX-Ensemble 400 -VTSanghani-ExogModel 300 -VTSanghani-Transformer 200 -Prediction Interval 95% 100 -Truth Oct 01 Nov 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Tennessee, Texas, Utah Selected forecast date(s): 2022-11-07 Tennessee 2500 -2000 -1500 -Prediction Interval 1000 -95% 500 -Truth Observed Data (HealthData) Texas Incident Hospitalizations Model 6000 -CEPH-Rtrend_fluH NIH-Flu_ARIMA 4000 -CMU-TimeSeries PSI-DICE CU-ensemble SGroup-RandomForest 2000 -SigSci-CREG GT-FluFNP ISU_NiemiLab-Flu SigSci-TSENS JHU_IDD-CovidSP UGA_flucast-OKeeffe Utah LUcompUncertLab-ensemble_rclp UMass-trends_ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble 75 -LUcompUncertLab-KalmanFilter VTSanghani-ExogModel MIGHTE-Nsemble VTSanghani-Transformer 50 -MOBS-GLEAM_FLUH 25 -Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Vermont, Virginia, Washington Selected forecast date(s): 2022-11-07 Model Vermont CEPH-Rtrend fluH 30 -CMU-TimeSeries CU-ensemble 20 -GT-FluFNP ISU_NiemiLab-Flu 10 -JHU_IDD-CovidSP LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment 0 -LUcompUncertLab-KalmanFilter Virginia MIGHTE-Nsemble 5000 ncident Hospitalizations MOBS-GLEAM_FLUH 4000 -PSI-DICE 3000 -SGroup-RandomForest 2000 -SigSci-CREG SigSci-TSENS 1000 -UGA_flucast-OKeeffe 0 UMass-trends_ensemble Washington UVAFluX-Ensemble 500 -VTSanghani-ExogModel 400 -VTSanghani-Transformer 300 -Prediction Interval 200 -95% 100 -Truth Oct 01 Nov 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): West Virginia, Wisconsin, Wyoming Selected forecast date(s): 2022-11-07 Model West Virginia CEPH-Rtrend fluH 800 -CMU-TimeSeries 600 -CU-ensemble GT-FluFNP 400 -ISU_NiemiLab-Flu JHU_IDD-CovidSP 200 -LUcompUncertLab-ensemble_rclp LUcompUncertLab-humanjudgment 0 -LUcompUncertLab-KalmanFilter Wisconsin 1500 -MIGHTE-Nsemble Incident Hospitalizations MOBS-GLEAM_FLUH PSI-DICE 1000 -SGroup-RandomForest SigSci-CREG 500 -SigSci-TSENS UGA_flucast-OKeeffe 0 -UMass-trends_ensemble Wyoming UVAFluX-Ensemble 150 -VTSanghani-ExogModel VTSanghani-Transformer 100 -Prediction Interval 50 -95% 0 -Truth Nov 01 Oct 01 Dec 01

Weekly Influenza Incident Hospitalizations: observed and forecasted Selected location(s): Puerto Rico, Virgin Islands, United States Selected forecast date(s): 2022-11-07 Puerto Rico 400 -Model CEPH-Rtrend_fluH NIH-Flu_ARIMA 200 -CMU-TimeSeries PSI-DICE CU-ensemble SGroup-RandomForest GT-FluFNP SigSci-TSENS **United States** ISU NiemiLab-Flu UGA flucast-OKeeffe 80000 -Incident Hospitalizations JHU IDD-CovidSP UGuelph-FluPLUG 60000 -LUcompUncertLab-ensemble rclp UMass-trends ensemble LUcompUncertLab-humanjudgment UVAFluX-Ensemble 40000 -LUcompUncertLab-KalmanFilter VTSanghani-ExogModel MIGHTE-Nsemble VTSanghani-Transformer 20000 -MOBS-GLEAM_FLUH Prediction Interval Virgin Islands 10.0 -95% 7.5 -Truth 5.0 -Observed Data (HealthData) 2.5 -

Nov 01

Oct 01

Dec 01