FluSight National Analysis 2021-2023

CDC FluSight Team

2023-12-08

#### Get data

## Results

##### WIS Calculations

##### Season inc rankings: Table S5

Table S5

| Model | Absolute WIS | Relative WIS | MAE | 50% Coverage (%) | 95% Coverage (%) | % of Forecasts Submitted |
| --- | --- | --- | --- | --- | --- | --- |
| **2021-2022** | | | | | | |
| PSI-DICE | 296.70 | 0.71 | 421.38 | 56 | 89 | 100 |
| UMass-trends\_ensemble | 301.67 | 0.72 | 485.97 | 46 | 85 | 100 |
| CMU-TimeSeries | 316.02 | 0.75 | 355.28 | 88 | 100 | 100 |
| Flusight-ensemble | 350.65 | 0.84 | 559.53 | 46 | 90 | 100 |
| SigSci-TSENS | 356.15 | 0.85 | 574.29 | 33 | 90 | 100 |
| CU-ensemble | 363.88 | 0.87 | 552.35 | 15 | 68 | 100 |
| Flusight-baseline | 418.70 | 1.00 | 684.62 | 26 | 88 | 100 |
| UT\_FluCast-Voltaire | 440.00 | 1.05 | 633.96 | 38 | 85 | 100 |
| GT-FluFNP | 461.10 | 1.10 | 660.28 | 44 | 75 | 100 |
| CEID-Walk | 471.77 | 1.15 | 679.19 | 28 | 58 | 89 |
| SGroup-RandomForest | 495.62 | 1.18 | 727.54 | 69 | 100 | 100 |
| MOBS-GLEAM\_FLUH | 486.49 | 1.22 | 727.21 | 18 | 63 | 94 |
| IEM\_Health-FluProject | 613.93 | 1.47 | 785.61 | 42 | 97 | 100 |
| LUcompUncertLab-TEVA | 618.39 | 1.52 | 895.44 | 12 | 56 | 89 |
| LUcompUncertLab-VAR2K | 643.17 | 1.58 | 928.09 | 14 | 61 | 89 |
| UVAFluX-Ensemble | 757.94 | 1.81 | 655.74 | 71 | 94 | 100 |
| LUcompUncertLab-VAR2K\_plusCOVID | 747.56 | 1.84 | 888.94 | 6 | 14 | 89 |
| LUcompUncertLab-VAR2\_plusCOVID | 754.84 | 1.84 | 865.00 | 7 | 16 | 94 |
| LUcompUncertLab-VAR2 | 863.37 | 2.10 | 1077.69 | 4 | 31 | 94 |
| SGroup-SIkJalpha | 1028.91 | 2.46 | 1543.18 | 15 | 49 | 100 |
| GH-Flusight | 1124.18 | 2.80 | 1141.29 | 0 | 1 | 94 |
| LosAlamos\_NAU-CModel\_Flu | 1395.41 | 3.33 | 1801.90 | 7 | 15 | 100 |
| **2022-2023** | | | | | | |
| MOBS-GLEAM\_FLUH | 1509.55 | 0.41 | 2270.89 | 42 | 90 | 100 |
| CMU-TimeSeries | 2043.33 | 0.55 | 3064.96 | 67 | 90 | 100 |
| PSI-DICE | 2087.92 | 0.56 | 2780.90 | 53 | 70 | 100 |
| Flusight-ensemble | 2466.05 | 0.66 | 3439.47 | 56 | 75 | 100 |
| CU-ensemble | 2800.38 | 0.70 | 3210.70 | 36 | 51 | 85 |
| MIGHTE-Nsemble | 2666.71 | 0.71 | 3480.24 | 53 | 68 | 96 |
| SigSci-TSENS | 2891.23 | 0.73 | 3972.84 | 57 | 74 | 88 |
| UMass-trends\_ensemble | 2914.47 | 0.78 | 3870.83 | 52 | 66 | 100 |
| SGroup-RandomForest | 2869.94 | 0.80 | 3993.83 | 57 | 80 | 96 |
| CEPH-Rtrend\_fluH | 2886.69 | 0.81 | 3208.62 | 34 | 58 | 88 |
| GT-FluFNP | 2999.90 | 0.81 | 3516.60 | 58 | 68 | 100 |
| UVAFluX-Ensemble | 3007.81 | 0.81 | 4216.99 | 36 | 67 | 100 |
| UNC\_IDD-InfluPaint | 3221.15 | 0.95 | 4092.70 | 36 | 75 | 77 |
| UGA\_flucast-OKeeffe | 3466.83 | 0.97 | 4306.36 | 32 | 49 | 96 |
| Flusight-baseline | 3724.31 | 1.00 | 4281.00 | 43 | 59 | 100 |
| NIH-Flu\_ARIMA | 3910.19 | 1.03 | 4598.75 | 31 | 100 | 92 |
| ISU\_NiemiLab-Flu | 5096.20 | 1.26 | 5870.45 | 18 | 38 | 77 |
| JHU\_IDD-CovidSP | 8230.60 | 2.22 | 9494.40 | 32 | 64 | 85 |