FluSight National Analysis 2021-2023

CDC FluSight Team

2024-04-02

#### 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 | 55.56 | 88.89 | 100.00 |
| UMass-trends\_ensemble | 301.67 | 0.72 | 485.97 | 45.83 | 84.72 | 100.00 |
| CMU-TimeSeries | 316.02 | 0.76 | 355.28 | 87.50 | 100.00 | 100.00 |
| Flusight-ensemble | 350.65 | 0.84 | 559.53 | 45.83 | 90.28 | 100.00 |
| SigSci-TSENS | 356.15 | 0.86 | 574.29 | 33.33 | 90.28 | 100.00 |
| CU-ensemble | 363.88 | 0.87 | 552.35 | 15.28 | 68.06 | 100.00 |
| Flusight-baseline | 418.70 | 1.00 | 684.62 | 26.39 | 87.50 | 100.00 |
| UT\_FluCast-Voltaire | 440.00 | 1.07 | 633.96 | 37.50 | 84.72 | 100.00 |
| GT-FluFNP | 461.10 | 1.12 | 660.28 | 44.44 | 75.00 | 100.00 |
| CEID-Walk | 471.77 | 1.16 | 679.19 | 28.12 | 57.81 | 88.89 |
| SGroup-RandomForest | 495.62 | 1.20 | 727.54 | 69.44 | 100.00 | 100.00 |
| MOBS-GLEAM\_FLUH | 486.49 | 1.22 | 727.21 | 17.65 | 63.24 | 94.44 |
| IEM\_Health-FluProject | 613.93 | 1.48 | 785.61 | 41.67 | 97.22 | 100.00 |
| LUcompUncertLab-TEVA | 618.39 | 1.49 | 895.44 | 12.50 | 56.25 | 88.89 |
| LUcompUncertLab-VAR2K | 643.17 | 1.54 | 928.09 | 14.06 | 60.94 | 88.89 |
| UVAFluX-Ensemble | 757.94 | 1.78 | 655.74 | 70.83 | 94.44 | 100.00 |
| LUcompUncertLab-VAR2K\_plusCOVID | 747.56 | 1.79 | 888.94 | 6.25 | 14.06 | 88.89 |
| LUcompUncertLab-VAR2\_plusCOVID | 754.84 | 1.83 | 865.00 | 7.35 | 16.18 | 94.44 |
| LUcompUncertLab-VAR2 | 863.37 | 2.10 | 1077.69 | 4.41 | 30.88 | 94.44 |
| SGroup-SIkJalpha | 1028.91 | 2.48 | 1543.18 | 15.28 | 48.61 | 100.00 |
| GH-Flusight | 1124.18 | 2.71 | 1141.29 | 0.00 | 1.47 | 94.44 |
| LosAlamos\_NAU-CModel\_Flu | 1395.41 | 3.43 | 1801.90 | 6.94 | 15.28 | 100.00 |
| **2022-2023** | | | | | | |
| MOBS-GLEAM\_FLUH | 1509.55 | 0.41 | 2270.89 | 42.31 | 90.38 | 100.00 |
| CMU-TimeSeries | 2043.33 | 0.55 | 3064.96 | 67.31 | 90.38 | 100.00 |
| PSI-DICE | 2087.92 | 0.57 | 2780.90 | 52.88 | 70.19 | 100.00 |
| Flusight-ensemble | 2466.05 | 0.67 | 3439.47 | 55.77 | 75.00 | 100.00 |
| CU-ensemble | 2800.38 | 0.68 | 3210.70 | 36.36 | 51.14 | 84.62 |
| MIGHTE-Nsemble | 2666.71 | 0.73 | 3480.24 | 53.00 | 68.00 | 96.15 |
| SGroup-RandomForest | 2869.94 | 0.78 | 3993.83 | 57.00 | 80.00 | 96.15 |
| SigSci-TSENS | 2891.23 | 0.78 | 3972.84 | 56.52 | 73.91 | 88.46 |
| UMass-trends\_ensemble | 2914.47 | 0.78 | 3870.83 | 51.92 | 66.35 | 100.00 |
| CEPH-Rtrend\_fluH | 2886.69 | 0.80 | 3208.62 | 33.70 | 57.61 | 88.46 |
| UVAFluX-Ensemble | 3007.81 | 0.80 | 4216.99 | 35.58 | 67.31 | 100.00 |
| GT-FluFNP | 2999.90 | 0.81 | 3516.60 | 57.69 | 68.27 | 100.00 |
| UGA\_flucast-OKeeffe | 3466.83 | 0.94 | 4306.36 | 32.00 | 49.00 | 96.15 |
| UNC\_IDD-InfluPaint | 3221.15 | 0.98 | 4092.70 | 36.25 | 75.00 | 76.92 |
| Flusight-baseline | 3724.31 | 1.00 | 4281.00 | 43.27 | 58.65 | 100.00 |
| NIH-Flu\_ARIMA | 3910.19 | 1.01 | 4598.75 | 31.25 | 100.00 | 92.31 |
| ISU\_NiemiLab-Flu | 5096.20 | 1.24 | 5870.45 | 17.50 | 37.50 | 76.92 |
| JHU\_IDD-CovidSP | 8230.60 | 2.21 | 9494.40 | 31.82 | 63.64 | 84.62 |