

Table S3

| Model | Absolute WIS | Relative WIS | MAE | 50% Coverage (%) | 95% Coverage (%) | % of Forecasts Submitted |
|---------------------------------|--------------|--------------|------|------------------|------------------|--------------------------|
| 2021-2022 | | | | | | |
| CMU-TimeSeries | 0.31 | 0.79 | 0.47 | 0.47 | 0.90 | 100.00 |
| Flusight-ensemble | 0.33 | 0.83 | 0.50 | 0.48 | 0.86 | 100.00 |
| PSI-DICE | 0.33 | 0.84 | 0.50 | 0.43 | 0.82 | 100.00 |
| UMass-trends_ensemble | 0.36 | 0.91 | 0.53 | 0.71 | 0.97 | 100.00 |
| SGroup-RandomForest | 0.38 | 0.97 | 0.59 | 0.47 | 0.95 | 100.00 |
| CEID-Walk | 0.39 | 0.98 | 0.55 | 0.52 | 0.82 | 88.89 |
| CU-ensemble | 0.39 | 0.98 | 0.57 | 0.44 | 0.77 | 100.00 |
| GT-FluFNP | 0.38 | 0.98 | 0.54 | 0.39 | 0.69 | 96.15 |
| Flusight-baseline | 0.40 | 1.00 | 0.56 | 0.49 | 0.83 | 100.00 |
| SigSci-TSENS | 0.40 | 1.01 | 0.55 | 0.38 | 0.72 | 95.73 |
| IEM_Health-FluProject | 0.40 | 1.02 | 0.58 | 0.50 | 0.85 | 100.00 |
| LUcompUncertLab-TEVA | 0.41 | 1.04 | 0.59 | 0.54 | 0.86 | 88.89 |
| MOBS-GLEAM_FLUH | 0.42 | 1.07 | 0.59 | 0.32 | 0.63 | 90.60 |
| LUcompUncertLab-VAR2_plusCOVID | 0.42 | 1.08 | 0.60 | 0.42 | 0.74 | 94.44 |
| UVAFluX-Ensemble | 0.45 | 1.14 | 0.57 | 0.38 | 0.64 | 98.50 |
| UT_FluCast-Voltaire | 0.45 | 1.15 | 0.71 | 0.50 | 0.91 | 99.25 |
| LUcompUncertLab-VAR2K_plusCOVID | 0.47 | 1.19 | 0.68 | 0.42 | 0.74 | 88.89 |
| SGroup-SlkJalpha | 0.49 | 1.24 | 0.63 | 0.18 | 0.46 | 100.00 |
| LUcompUncertLab-VAR2 | 0.53 | 1.35 | 0.77 | 0.39 | 0.72 | 94.44 |
| LUcompUncertLab-VAR2K | 0.61 | 1.54 | 0.93 | 0.42 | 0.83 | 88.89 |
| LosAlamos_NAU-CModel_Flu | 0.63 | 1.62 | 0.90 | 0.26 | 0.59 | 100.00 |
| GH-Flusight | 0.74 | 1.88 | 0.79 | 0.06 | 0.13 | 94.44 |
| SigSci-CREG | 0.80 | 2.06 | 1.04 | 0.19 | 0.44 | 88.68 |
| 2022-2023 | | | | | | |
| MOBS-GLEAM_FLUH | 0.37 | 0.66 | 0.54 | 0.38 | 0.75 | 92.90 |
| CMU-TimeSeries | 0.41 | 0.70 | 0.62 | 0.46 | 0.84 | 94.16 |
| MIGHTE-Nsemble | 0.41 | 0.70 | 0.58 | 0.48 | 0.79 | 95.99 |
| PSI-DICE | 0.42 | 0.71 | 0.60 | 0.45 | 0.77 | 100.00 |
| Flusight-ensemble | 0.44 | 0.74 | 0.62 | 0.51 | 0.77 | 100.00 |
| JHU_IDD-CovidSP | 0.49 | 0.82 | 0.69 | 0.47 | 0.78 | 82.54 |
| UMass-trends_ensemble | 0.49 | 0.83 | 0.69 | 0.60 | 0.87 | 100.00 |
| CU-ensemble | 0.51 | 0.85 | 0.69 | 0.45 | 0.66 | 84.62 |
| SGroup-RandomForest | 0.52 | 0.87 | 0.75 | 0.48 | 0.81 | 96.15 |
| GT-FluFNP | 0.53 | 0.90 | 0.66 | 0.52 | 0.72 | 94.82 |
| UNC_IDD-InfluPaint | 0.52 | 0.96 | 0.74 | 0.36 | 0.71 | 75.37 |
| Flusight-baseline | 0.59 | 1.00 | 0.73 | 0.41 | 0.68 | 100.00 |
| UGA_flucast-OKeeffe | 0.61 | 1.02 | 0.82 | 0.41 | 0.67 | 94.30 |
| UVAFluX-Ensemble | 0.61 | 1.02 | 0.75 | 0.20 | 0.39 | 98.08 |
| VTsanghani-ExogModel | 0.63 | 1.04 | 0.83 | 0.27 | 0.58 | 80.77 |
| CEPH-Rtrend_fluH | 0.58 | 1.07 | 0.89 | 0.38 | 0.74 | 88.46 |
| SigSci-TSENS | 0.66 | 1.11 | 0.88 | 0.50 | 0.68 | 92.97 |
| SigSci-CREG | 0.68 | 1.16 | 0.83 | 0.32 | 0.54 | 89.72 |
| ISU_NiemiLab-Flu | 0.71 | 1.25 | 0.93 | 0.29 | 0.51 | 76.92 |