

### **FluSight 17-18 Versions**

- Vixen: Model-inference ensemble forecast using a SEIRS compartmental model coupled with state space estimation and dynamic error growth correction.
- Network: Forecasts for seasonal targets (peak week, peak intensity and onset week) are generated using a metapopulation model - Ensemble Adjusted Kalman filter (EAKF) forecast system at regional level informed by human mobility data. Forecasts for 1-4 weeks ahead are from humidity-driven SIRS-EAKF system with dynamical error correction.
- Puffins: Superensemble of 6 model-inference forecasting variants and 1 statistical forecasting methods.
- Sel: Discretionary selection by target. Most likely approach will be: peak intensity using a superensemble (Puffins); 1-4 week incidence using model-inference with a compartmental model coupled with state space estimation and dynamic error growth correction (Vixen); onset using a network model; peak timing from a statistical model.

### **State ILI 17-18 Versions**

- ColumbiaU: Humidity-driven SIRS-EAKF system.
- ColumbiaU1: As ColumbiaU, but using alternative ILI observations.