The approach is based on rich set of feature extraction (rate of change of ILI, quadratic and cubic terms, cumulative ILI)  and machine learning based model development.  To generate point predictions for each of the seven targets, Support Vector Machine (SVM) regression models were trained on a training data set. Predictions are tested on a separate test data set. The standard deviation of errors over the test data set are used to define normal-distribution-based probabilities, which are then assigned to different bins for interval predictions.

Our approach is consistent between both the FluSight 2017-2018 and State FluSight 2017-2018 contests.