

Forecasting Covid-19 hospital admissions in England

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We have been making forecasts of hospital admissions for NHS Trusts (defined as a small group of hospitals) in England since September 2020. We make probabilistic forecasts with multiple forecasting models, using data on Covid-19 hospital admissions and cases. We combine these individual forecasts into an ensemble forecast, which, when evaluated for probabilistic accuracy using the weighted interval score, consistently outperforms the individual models for different forecast horizons and locations. This talk will outline the methodology behind making and evaluating these forecasts, as well as how they have been used to monitor the Covid-19 epidemic in England.