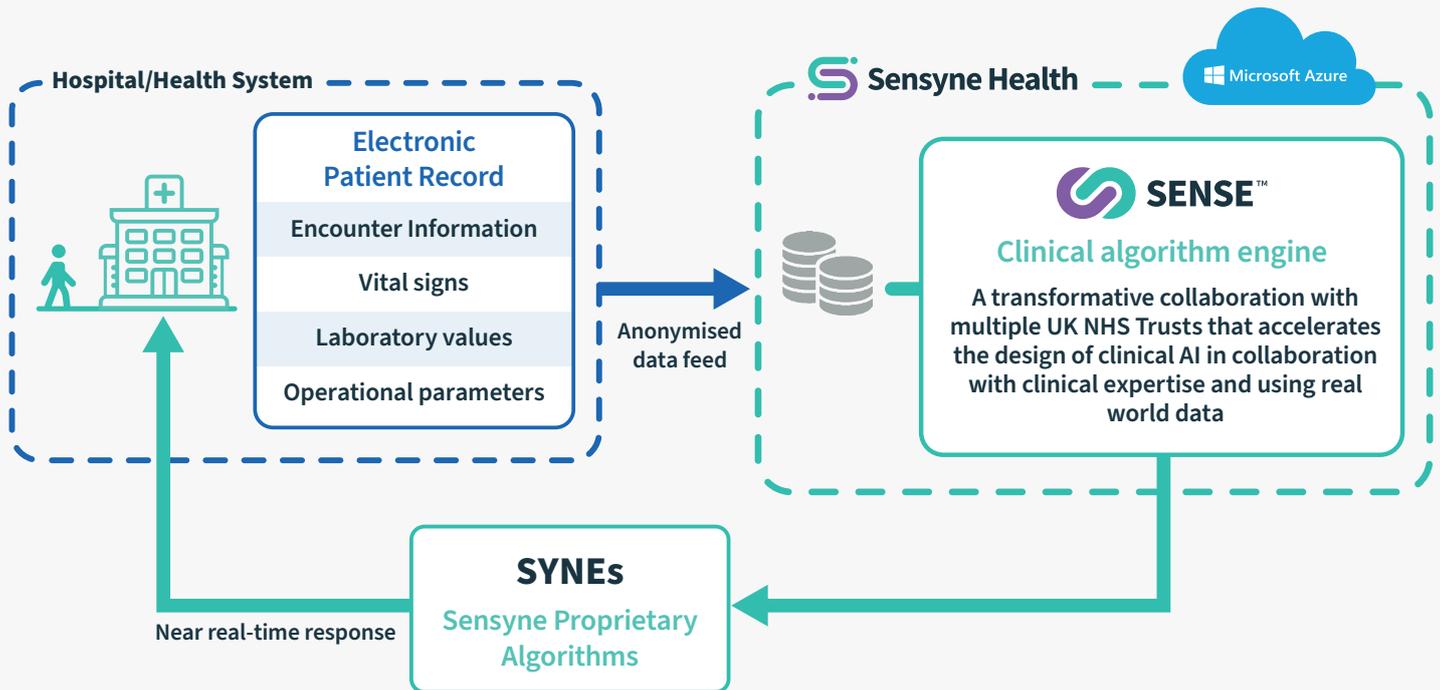


The clinical algorithm engine to provide AI-powered real-time clinical management support across multiple conditions



SENSE aims to unlock a more proactive or ‘anticipatory’ model of care



**Personalised AI-powered insights that help clinicians take preventative action earlier**

Real-time decision support to prevent avoidable hospitalisation and acute deterioration



**Predictive models to help managers to make better operational decisions**

Spot problems or pinch-points in time to take action and to reallocate resources



**Insights drawn from analysis of large sets of deidentified real-world NHS data**

Securely held in a Microsoft Azure cloud environment strictly according to the best standards of privacy and information governance



**Actionable and ‘explainable’ insights**

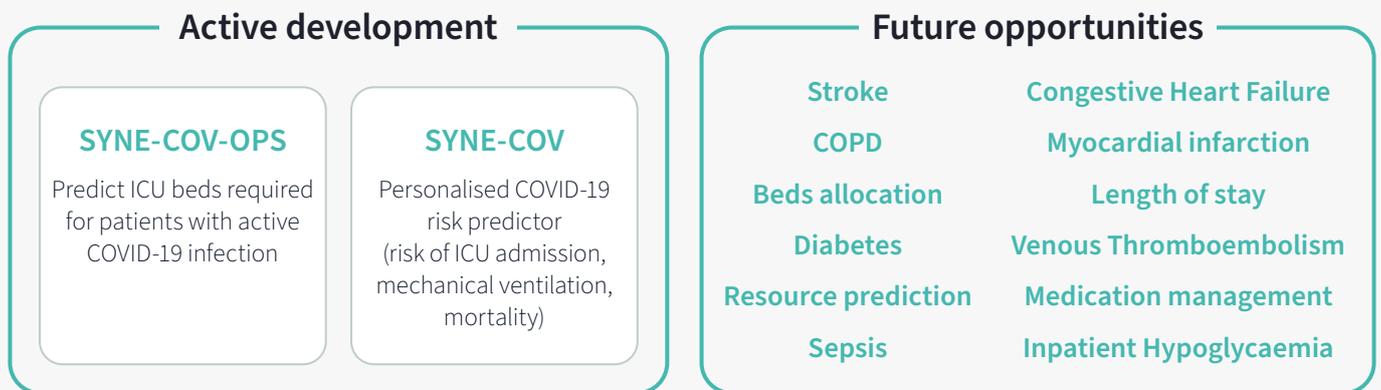
Predictions that have impact, the basis of which are clearly and accurately explained



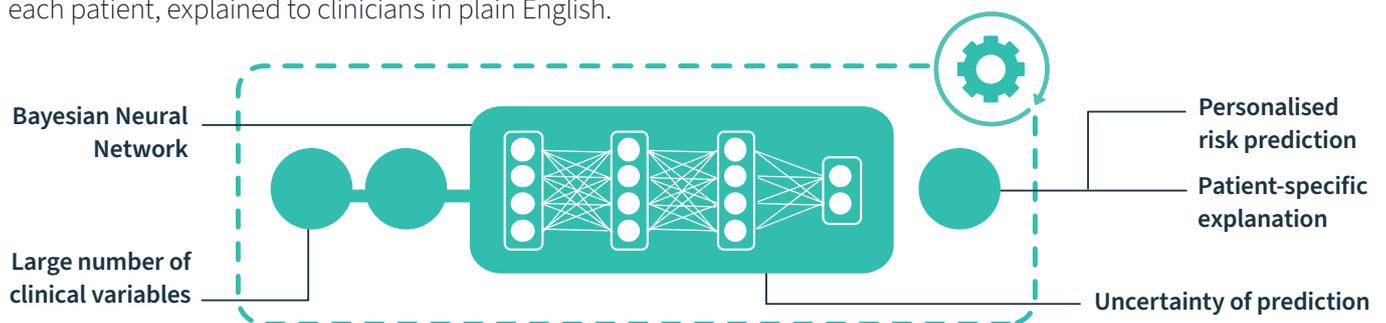
**Technologies designed with and for the NHS**

AI designed working closely with NHS clinicians, targeted on front-line problems and supported by clinical evidence

## One AI platform, multiple conditions



In contrast to other risk prediction engines, SENSE uses advanced Neural Network technology to process large quantities of clinical variables simultaneously providing personalised predictions with quantifiable certainty levels for each patient, explained to clinicians in plain English.



Clinically led and scientifically validated

Heldt et al., medRxiv, 2020

Fletcher et al., medRxiv, 2020

Abu-Jamous et al., medRxiv, 2020

Andreotti et al., Arxiv 2020

Velardo et al., JMIR (pre-print) 2020

## Potential benefits of SENSE



Improve patient outcomes



Regulated algorithms



Increase capacity through clinical efficiency



Interoperable with existing systems



Rapid, better informed clinical decisions



Enhanced security & privacy



Improve operational efficiency



Increased data accuracy

For more information on availability, please contact:  
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[www.sensynehealth.com](http://www.sensynehealth.com)

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