

Achievements 2025 - Working with others we have:



Launched the [Barts Life Sciences Cluster](#) in partnership with developers and secured ministerial backing. [£800m investment announced](#), corner-stoning the creation of one of the UK's largest and most concentrated life science clusters.



Collaborated with [AstraZeneca](#), using AI and NLP to [identify individuals at highest risk of lung cancer](#) by extracting diagnostic criteria from electronic health records. In trials, [42% of cancer cases were flagged an average of 16 months early](#).



Won project with [Queen Mary University of London](#) to [use AI to analyse rehabilitation](#) data from older adults with fragility fractures, with the aim to identify best practice in rehabilitation outcomes. The insights will [shape national policy](#).



As part of a consortium, secured [£43m to develop the UK's first multi-modal platform for AI cancer diagnosis and drug discovery](#). Now working with clinicians and researchers to develop use cases.



Launched [Barts Health Futures](#) at [Waltham Forest College](#), offering [T-Levels and healthcare training opportunities](#). A second hub at [Capital City College](#) opened in Sept focussed on [healthcare science](#).



[Doubled our followers on LinkedIn](#), expanding our reach among relevant stakeholders, underpinning our ambition to be [the national exemplar of innovation translation into the NHS](#).



Developed and tested an AI tool to [accelerate identification of patients with diabetic foot](#). [87 patients were highlighted for review, with only 8 known already](#). Nearly 20% of identified patients were at risk of issues requiring urgent attention. Subject to funding, the tool will launch in 2026.



Won project with [Queen Mary University of London](#) to [develop an AI-ECG solution as a screening tool](#) for patients with known or suspected heart disease. The AI tool aims to reduce demand – and thereby [shorten waiting lists](#) – for echocardiography and thus decrease the time to diagnose.



[Ran six webinars and workshops](#) focussed on clinical needs, such as innovation for elderly care, to [drive collaboration with London-based SMEs](#). The webinars helped SMEs align their innovations with NHS requirements. To date, seven SME projects have been proposed.



Developed the [PREDICT model](#), which uses patient and socioeconomic data from free-text narratives and public sources to [forecast and prevent emergency admissions for heart valve disease](#). This could save four critical-care bed days and about £5,000 per patient by shifting severe cases to elective care.



Worked with [Sanofi](#) and searched [~2.5million medical records and, using AI/NLP, identified 16 new patients at high-risk of the rare Gaucher disease](#). Identification of these patients [took hours](#), a process normally taking years. Currently discussing expanding the tool to identify 10 different rare diseases.



Completed market feedback on a proposed [Digital Health User Testing Platform to enable the North-east London population to test health apps prior to launch](#). This platform enables health technology companies to co-design solutions with staff and our diverse patient population, improving digital inclusion.



Evaluation of pathology blood films is highly time-consuming and labour intensive. We trialled an [AI model on blood films to identify patients at highest risk of blood cancer, speeding up diagnosis and support](#). The model achieved 84% accuracy. Work is underway to improve it with more training data.



Developed and deployed a [Patient Cohorting Tool](#) that enables researchers to confirm if Barts holds the data required to conduct their studies and [assesses study feasibility within minutes](#). The tool supports research with a [highly diverse population](#).



Signed [Memorandum of Understanding](#) with the [London School of Economics](#) to [develop models for evaluation of new healthcare technologies](#) and with the [ABHI](#) to [deepen links with innovative HealthTech companies](#).



[Submitted ~£14m collaborative bids, winning £11m of funding](#), aligned with clinical and strategic priorities.



Developed a Trust-wide [Platform for mature AI tools](#), offering a [one-stop location](#) for staff to access developed tools, thus helping to accelerate and scale AI deployment.

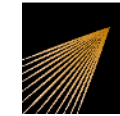
We thank our partners for their collaboration and commitment to driving innovation into healthcare



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