Al in Health and Care Award







Dan Bamford, Deputy Director Al Award

www.england.nhs.uk/aac

@AACinnovation

Part of the £250m NHS Al Lab run by NHSX

£140m available over three years through a competitive process for Al technologies that support the aims of the NHS Long Term Plan

Four phases of Al Award from proof of concept to initial adoption into NHS or social care settings

Fund leading AI innovators to develop their technologies in UK

Build a world-class real-world AI testing infrastructure in UK

Accelerate adoption and spread of proven Al technologies across NHS

Establish the UK as the preeminent destination for developing and scaling health and care AI

For Round 2 onwards, bids will be assessed by a single decision-making panel

Feasibility	Development & clinical evaluation	Real World Testing	Initial Health System Adoption	National Scale-up
Phase I Al Award NIHR	Phase 2 Al Award NIHR	Phase 3 AI Award NHSX/AAC	Phase 4 Al Award NHSX/AAC	Phase 5 Not fundable
To show product and clinical feasibility of the proposed concept, product or service	To develop prototypes and generate early clinical safety/efficacy data towards CE/UKCA marking	First real-world testing in health and social care settings to develop evidence of efficacy and preliminary proof of effectiveness, including evidence for routes to implementation to enable more rapid adoption	To facilitate initial systems adoption of the AI technologies with market authorisation into the NHS, evaluating the AI technology within clinical or operational pathways to determine efficacy or accuracy, and clinical and economic impact	To address barriers to adoption into routine care for NICE-approved products with proven health system benefits, in order to facilitate rapid uptake nationally
6-12 months Up to £150k	12-36 months Funding uncapped but typically range £500k-1.5m	12-36 months Funding uncapped but typically range £500k-1.5m	I 2-36 months Funding uncapped but typically range £1 m - 7m	Not eligible for research and development funding under this programme

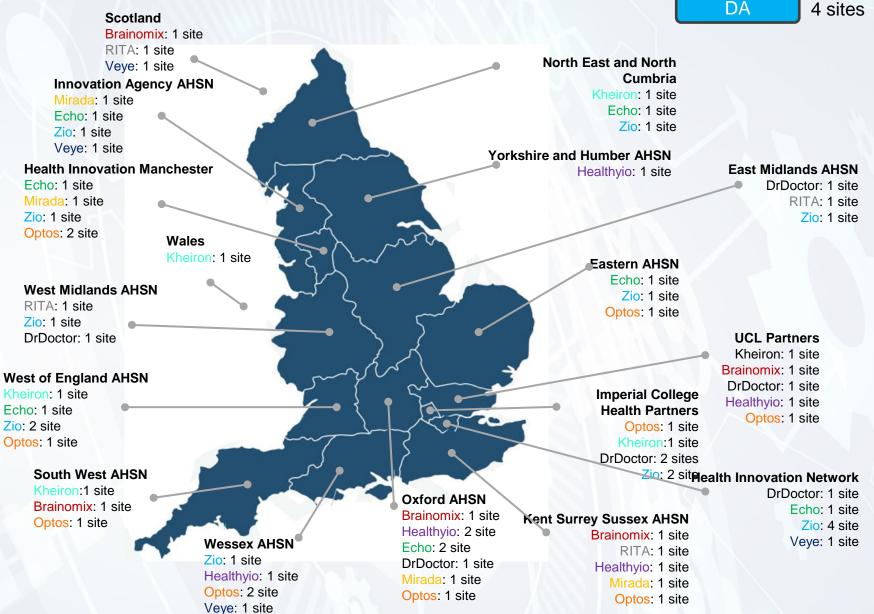
>>>>>>> RI Phase 4 Winners >>>>>>>>

Theme	Name	Description	Company
Imaging	Optos Al	Machine learning algorithm to analyse images of the back of the eye for the presence/severity of any diabetic retinopathy, and then advises if referral to an eye care specialist is needed (based on the local clinical pathway).	
Imaging	Mia	Deep learning software that has been developed to solve critical challenges in the NHS Breast Screening Programme (NHSBSP), including reducing missed cancers, tackling the escalating shortage of radiologists and improving delays that put women's lives at risk.	
Imaging	e-Stroke Suite	A set of tools that uses AI methods to interpret acute stroke brain scans, and helps doctors make the right choices about treatment and the need for specialist transfer of patients with confidence. It also provides a platform for doctors to share information between hospitals in real-time, avoiding the delays that can occur.	
Imaging	Veye	An AI platform to optimise oncology pathways, which can be integrated into existing software systems. Veye Chest, the first clinical application, is unique in its ability to currently automate early lung cancer detection, and soon also support treatment response assessment	
reatment Planning	DLCExpert	Automation of the time-consuming and skill-intensive task of contouring healthy organs on medical images for radiotherapy planning so that they are not irradiated during treatment.	
Operational Efficiency	DrDr	Al to ensure attendance is as high as possible by using past appointment attendance and demographic data to predict those less likely to attend in the future and customises communication with these demographics accordingly.	
Operational Efficiency	Referral Intelligence and Triage Automation	GPs. significantly speeding up this process.	
Triage	Healthy.io	Using a home test kit and mobile app, Healthy.io's solution empowers patients to self-test at home with clinical grade results. Fully integrated to the Electronic Medical Record (EMR), real-time results are available for clinician review and follow-up. Shifting testing to the home increases uptake, improves quality, reduces workload in primary care, and creates savings.	
Triage	EchoGo Pro	A fully automated and scalable application for quantification and interpretation of stress echocardiograms that autonomously processes "real world" echocardiographic image studies to predict prognostically significant cardiac disease.	
Triage	Zio	A complete and clinically proven ambulatory ECG monitoring service, utilising powerful AI-led processing and analysis to support clinical workflows and improve the diagnostic yield and timeliness of cardiac monitoring.	

Overview of Round I Phase 4 Sites

England 66 sites

DA 4 sites



>>>>>> HOW THE EVALUATION WORKS >>>>>>>

- As part of Round 3 and 4 awards, NHSX will likely commission independent evaluations of the funded activity.
- We will pair technologies with an appropriate evaluation team, with the skills and expertise to evaluate your technology and ensure there is a cultural fit between the two teams.
- The outputs of the evaluations will be published on the NHSX website.
- These evaluations are designed to build the evidence base required for NICE guidance and/or PHE approval.
- Technology bids should not include costs associated with evaluation, as these are funded separately by NHSX.

R2 TIMELINE

Stage I Application

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Stage I Shortlisting



Stage 2
Applications



Stage 2 Interview (Phase 2-4)

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Opens: 3 Nov 2020 Closes: 8 Dec 2020

January 2021

Opens: Feb 2021 Closes: Mar 2021

April 2021

Outcomes announced May 2021

>>>>>>> RESOURCES & ADVICE >>>>>>>>>>>

NIHR website:

- Application guidance, template application form, FAQs, NIHR standard contracts (https://www.nihr.ac.uk/explore-nihr/funding-programmes/ai-award.htm)
- Application portal (https://pmo.ccgranttracker.com/Login.aspx)
- Enquiry form (click this link)

Al Lab Virtual Hub (https://www.nhsx.nhs.uk/ai-lab/ai-lab-virtual-hub/)

- Copies of webinars
- Case studies and advice from successful applicants to Round I

More information on the Al Lab and Al in Health and Care Award



www.nhsx.nhs.uk/ai-lab/



enquiries@ai-award.info www.nihr.ac.uk/explore-nihr/fundingprogrammes/ai-award.htm

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