Bridging the Gap

Implementing Digital & Artificial Intelligence (AI) technologies

Friday 12 March 2021 - 10 am



Welcome

- Webinar is being recorded and will be used to support post event materials
- To ask questions during the session use the Q&A function
- Do 'upvote' questions in the Q&A that you would like asked (to do this just click the 'thumbs up' next to the question)
- Post event materials will be shared in the next few days



Workshop Objectives

- Provide innovators an opportunity to:
 - Interact with leaders from across the health and care sector and industry
 - Share experiences to overcome barriers and challenges in getting digital and AI innovations to patients
 - Receive practical advice to support development, implementation and scaling of digital technologies that incorporate machine learning and AI



The AHSN approach

Local focus, national impact.

- A connected 'Network of Networks'
- A broker between the NHS & industry, and a trusted partner to signpost to solutions
- AHSNs work locally: Each AHSN is embedded in its regional health and care community
- And nationally: Each AHSN is part of the national AHSN Network
 - a unique collaborative of expertise and experience
 - sharing learning
 - o pooling intelligence
 - benefitting from a pipeline of emerging and proven solutions from around the country.







From insight to impact: helping innovators navigate complex systems and generate value









Insight Idea Implementation Impact

- 1. Identify needs and communicate demand
- 2. Signposting
- 3. Broker Real World Validation
- 4. Support Adoption & Spread



Success **AHSN Innovation Pathway** Adoption 0 Commercialisation Brokering Markets Finance Intellectual Property Evaluation Clinical Trials **Health Economics** Ideas Culture

During 2019/20, The AHSN Network has provided support to...



2,540 companies, with...



43

158
companies have
created long term
strategic partnerships

Leading to...







Implementing Digital & Artificial Intelligence (AI) technologies: workshop



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Medical
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Mark Lomax, CEO, PEP Health



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NHS Improvement



Prof. Peter Bannister

Bridging the Gap

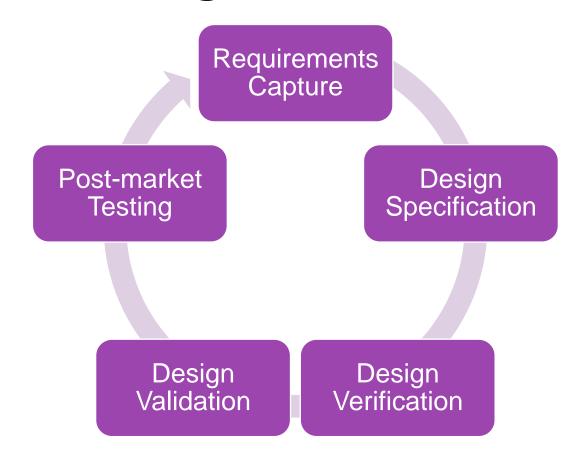








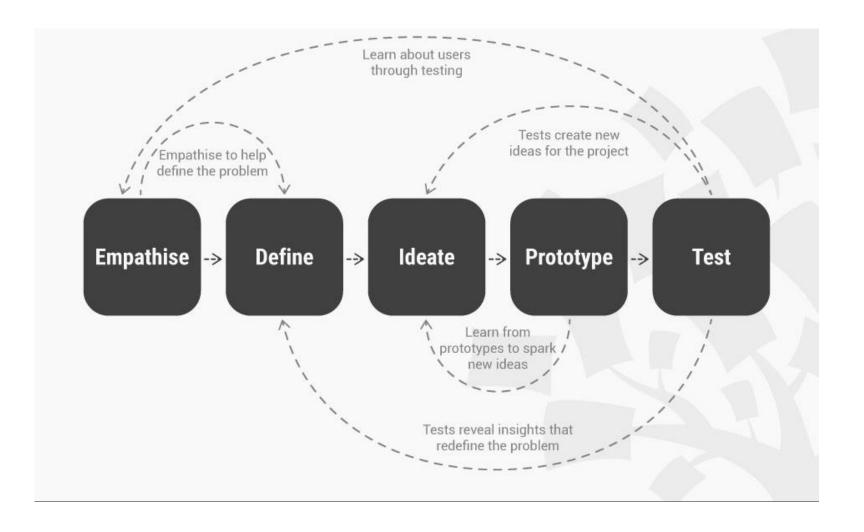
Overview of the Design Process



Key Stakeholders

- Patients
- Clinical Users
- Engineers
- Regulators
- Procurement
- IT
- Investors
- Government

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Cross-Sector Collaboration





Find out more



Andy Cachaldora

General Manager N.Europe
GE Digital Services

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Rudy Benfredj

Founder & CEO, Mendelian

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Mark Lomax

CEO, PEP Health

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Dan Bamford

Deputy Director AI Award,

NHS England & NHS Improvement

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AI in Health and Care Award

ΛCCELERATED ΛCCESS COLLABORATIVE





Dan Bamford, Deputy Director Al Award

March 2021

www.england.nhs.uk/aac

@AACinnovation

>>>>>>> WHAT IS THE AWARD >>>>>>>

- £140m fund run by Accelerated Access Collaborative
- Funding available over four years through a competitive process for AI technologies that support the aims of the NHS Long Term Plan
- Key programme within £250m NHS AI Lab
- Aims to establish the UK as the preeminent destination for developing and scaling health and care Al

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

1. Fund leading AI innovators to develop their technologies in UK

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

3. Accelerate adoption and spread of proven Al technologies across NHS

Feasibility	Development & clinical evaluation	Real World Testing	Initial Health System Adoption	National Scale-up
Phase 1 Al Award NIHR	Phase 2 Al Award NIHR	Phase 3 AI Award NHSX/AAC	Phase 4 AI 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	12-36 months Funding uncapped but typically range £1m - 7m	Not eligible for research and development funding under this programme

Overview of Round 1 Phase 4 Sites England 66 sites DA 4 sites Scotland Brainomix: 1 site **North East and North** RITA: 1 site Cumbria Veye: 1 site Kheiron: 1 site **Innovation Agency AHSN** Echo: 1 site Mirada: 1 site Zio: 1 site Echo: 1 site Zio: 1 site Veye: 1 site Yorkshire and Humber AHSN **East Midlands AHSN** Healthyio: 1 site **Health Innovation Manchester** DrDoctor: 1 site Echo: 1 site RITA: 1 site Mirada: 1 site Zio: 1 site Zio: 1 site **Eastern AHSN** Optos: 2 site Echo: 1 site Zio: 1 site **West Midlands AHSN** Optos: 1 site

West of England AHSN

Kheiron: 1 site Echo: 1 site Zio: 2 site Optos: 1 site

South West AHSN

RITA: 1 site

DrDoctor: 1 site

Zio: 1 site

Kheiron:1 site Brainomix: 1 site Optos: 1 site

Wales

Kheiron: 1 site

Wessex AHSN Zio: 1 site

Healthyio: 1 site Optos: 2 site Veye: 1 site

Oxford AHSN Brainomix: 1 site

Healthyio: 2 site Echo: 2 site DrDoctor: 1 site Mirada: 1 site

Optos: 1 site

Kent Surrey Sussex AHSN

Brainomix: 1 site RITA: 1 site Healthyio: 1 site Mirada: 1 site Optos: 1 site

Imperial College

Health Partners

DrDoctor: 2 sites

Optos: 1 site

Zio: 2 site

Kheiron:1 site

UCL Partners

Kheiron: 1 site Brainomix: 1 site DrDoctor: 1 site Healthyio: 1 site Optos: 1 site

Health Innovation Network

DrDoctor: 1 site Echo: 1 site Zio: 4 site Veye: 1 site

Bridging the Gap - free, confidential, 1:1 advice sessions 15-18 March

https://www.ahsninnovationexchange.co.uk/bridging-gapfree-confidential-11-advice-sessions

Bridging the Gap



Resources for Innovators



Clinical trials toolkit

Learn everything you need to know about running a clinical trial for your innovation.



Market access toolkit

Market access refers to the ability of a company or country to sell goods and services into new markets. Understand what you need to build into a market access plan in our toolkit.



Procurement toolkit

How does procurement work in the NHS? Find out in our toolkit.



Finance toolkit

Learn about grant funding and the funding landscape in our toolkit for innovators and researchers.



→ Read more

MedTech regulatory toolkit

The MedTech landscape is complex and tightly regulated. Understand what innovators need to know to navigate these regulations and the NHS digital standards in our toolkit.



→ Read more

Digital framework and development toolkit

Understand procurement frameworks for digital products, including NHS, ORCHA and EMISapp libraries and NHS digital standards.



Our events

Learn about our face-to-face or online events to support innovators



Find out more

Digital framework and development toolkit

Understand procurement frameworks for digital products, including NHS, ORCHA and EMISapp libraries and NHS digital standards.



→ Read more

Health economics and evaluation toolkit

Health economic evaluations help assess the clinical and cost effectiveness of innovations. Find out more in our toolkit.



Read more

Business case toolkit

A business case evaluates the benefit, cost and risk of strategic options and provides a rationale for the proposed solution. Find out how to build one in our toolkit.



→ Read more

Value proposition toolkit

Learn how to build your value proposition and translate an innovation into a clear value-based solution to meet an unmet



→ Read more

Understanding NHS England functions and terminology

How does the NHS in England work? What do all the acronyms mean? Find out in our toolkit.



→ Read more

Patient engagement toolkit

How do you effectively involve patients in service design? Find out in our toolkit.





- https://www.easternahsn.org/innovators/r esources/
- 25 March: Insights to Impact masterclass NHS MedTech reimbursement
- 26 March: Insights to Impact masterclass NHS Digital reimbursement
- 1 April: Insights to Impact masterclass National Institute for Health and Care Excellence (NICE)

