



Dominic Cushnan

**Head of AI Imaging
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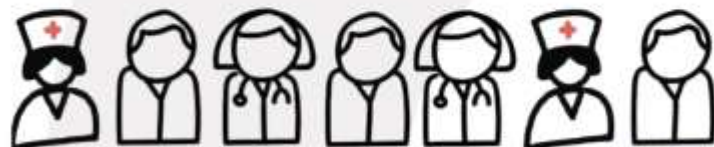


Mark Halling-Brown

**Head of Scientific
Computing, Royal Surrey
County Hospital**

Implementing AI in Hospitals and Trusts in England

HOSPEEM Webinar: Partnerships in Digital Skills Development
17 November 2021 | 10.30 - 12.30 (CET)



PARTNERSHIPS IN DIGITAL SKILLS DEVELOPMENT

Implementing AI in Hospitals and Trusts in England

Dominic Cushnan, Head of AI Imaging, NHS AI Lab, NHSX

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November 2021



Introduction to NHSX



NHSX is a joint unit bringing together teams from NHS England and NHS Improvement, and the Department of Health and Social Care to **drive the digital transformation of health and care.**

NHS England and NHS Improvement



Department
of Health &
Social Care



We are a diverse team with a range of skills and expertise, including clinicians, technologists, policy experts, developers, data scientists and project managers.

Digitise

Level up NHS and social care services to ensure they have a core level of infrastructure, digitisation and skills



Connect

Join services together through technology, allowing health and care providers to share information with one another and take a shared approach to procurement and implementation



Transform

Using the platform of a digitised, interoperable, connected health and care system to deliver services more effectively and productively, and with the citizen at the centre



About the NHS AI Lab

A focal point for accelerating safe,
ethical and effective AI technologies



AI in Imaging

Supporting the development of imaging technology; from mechanisms used to safely collect and share data to validating AI imaging software.

The AI Skunkworks

Tackling challenging issues that can help speed up the adoption and use of AI in health and care settings.

The AI in Health and Care Award

Accelerate the testing and evaluation of the most promising AI technologies which meet the strategic aims of the NHS Long Term Plan.

AI Ethics Initiative

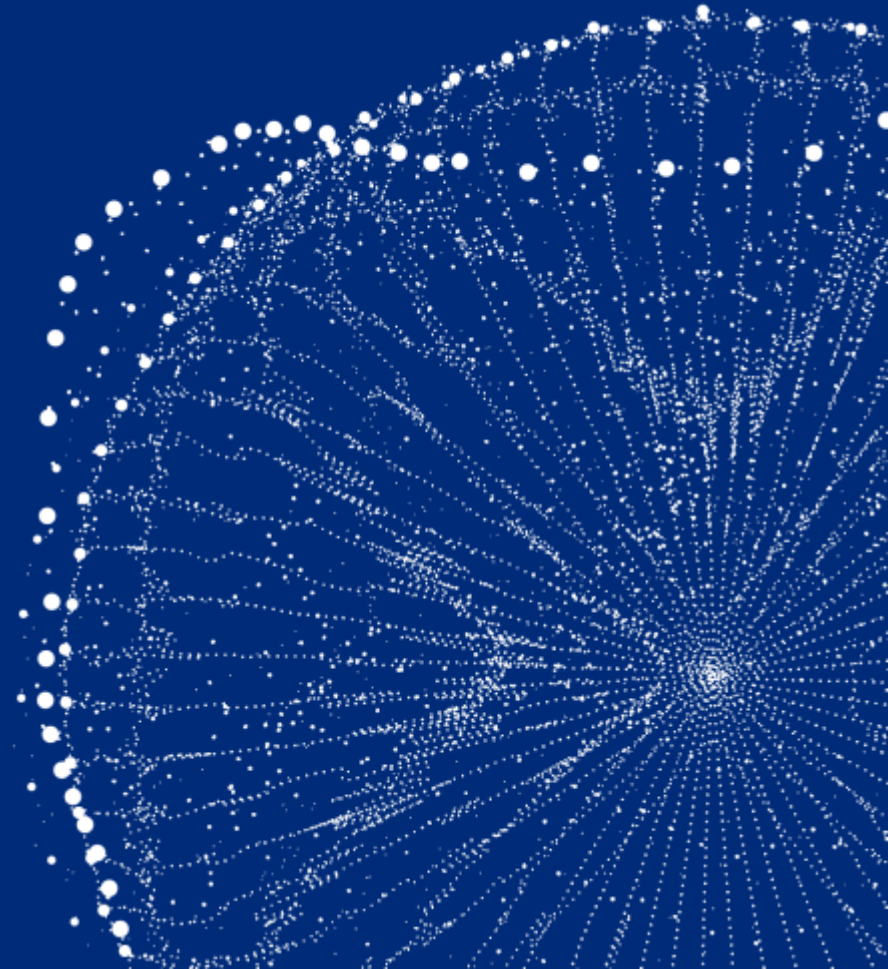
The AI Ethics Initiative will improve ethical and regulatory assurance for the development and deployment of AI-driven technologies in health and care through research and the trialling of practical interventions.

The AI Regulation Ecosystem

Enable a world leading safe and ethically robust ecosystem for the development and deployment of AI technologies.



AI in health and care Award



AI in Health and Care Award

The AI Award will deploy £140m over 4 years to accelerate the testing and evaluation of the most promising AI technologies.

The Award is open to applications from AI technologies with a variety of applications in health and social care, at any stage of their development cycle.



Some focus areas



**Health
Promotion &
Prevention**



**Diagnosis &
Treatment**



**System
Efficiency**



**ACCELERATED
ACCESS
COLLABORATIVE**

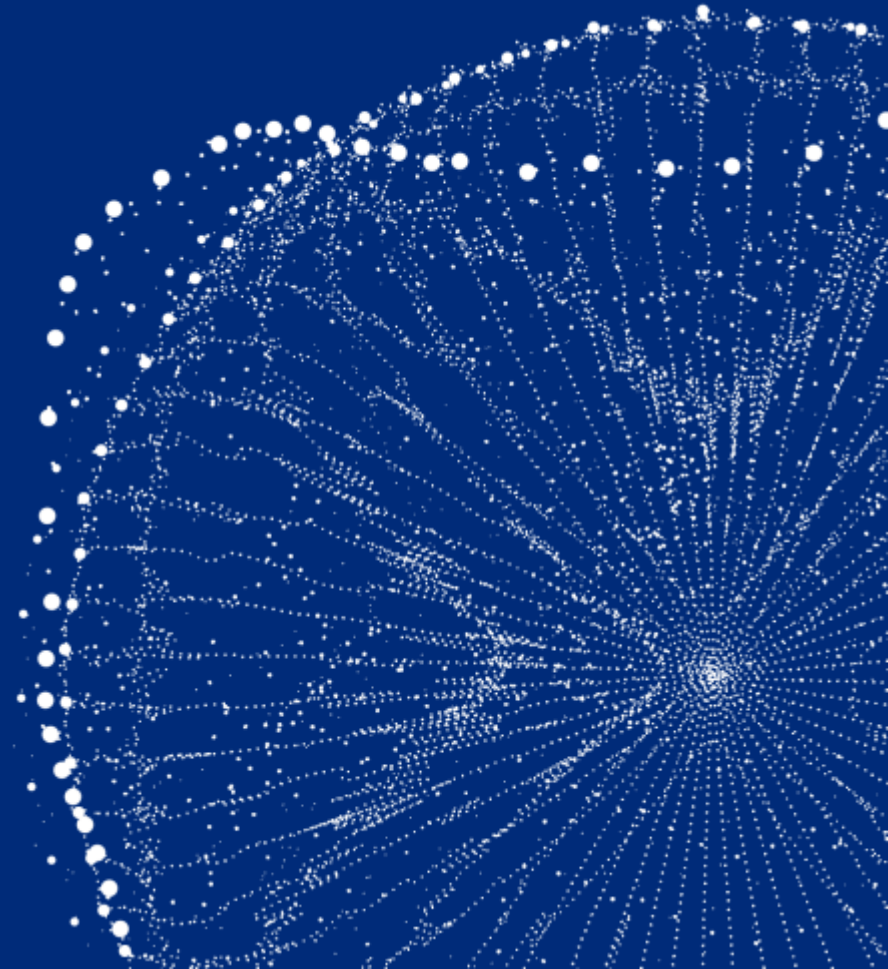
NIHR | National Institute
for Health Research



AI technologies are being trialled all over the UK as a result of £86 million funding from the AI in Health and Care Award.



AI Ethics



- Our focus will be on how to **counter the inequalities** that may arise from the ways that AI technologies are developed and deployed in health and care.
- We will **collaborate** with academia, the third sector, and other public bodies, to consider pressing challenges, such as:



Optimising AI to improve the health and care outcomes of minority ethnic communities



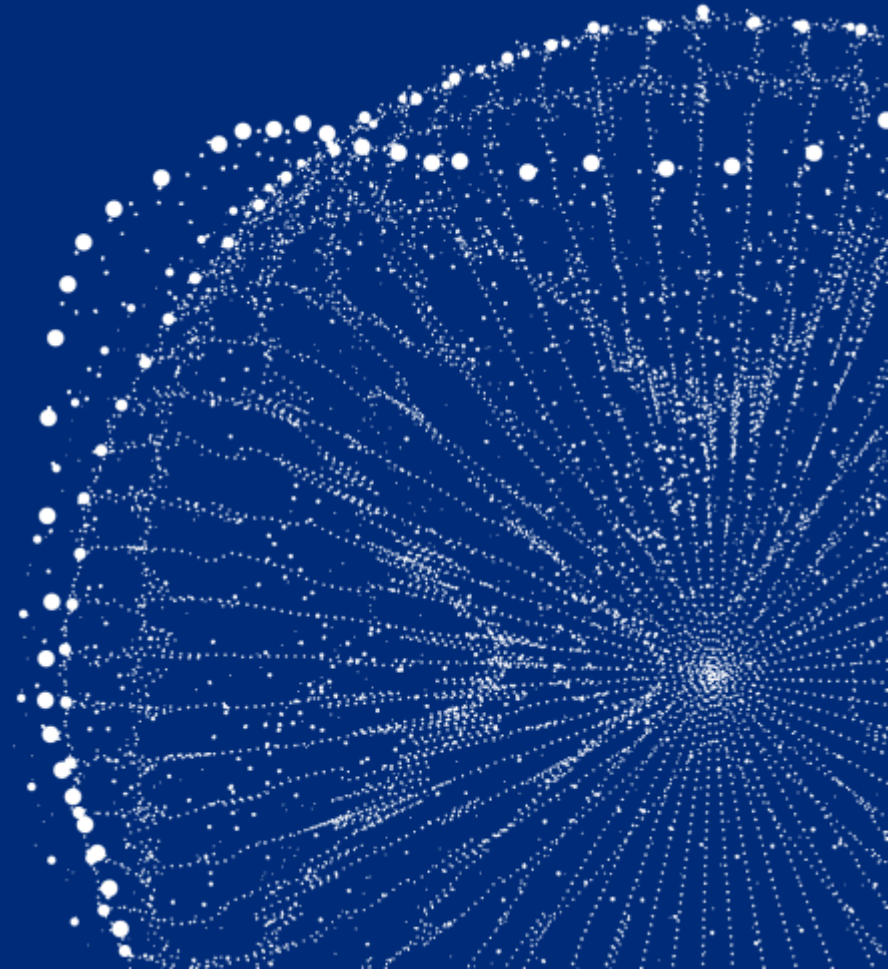
Facilitating early-stage exploration of algorithmic risks



Empowering healthcare professionals to make the most of AI



AI Regulation Programmes



The NHS AI Lab has initiated a programme of work with UK health and care regulators to enable a world leading, clear, accessible, **safe and ethically robust regulation ecosystem** for AI-driven technologies in health and care.



Providing support and guidance on regulation and evaluation of AI-driven technologies



Simplifying and coordinating the process for reviewing AI and data-driven medical devices



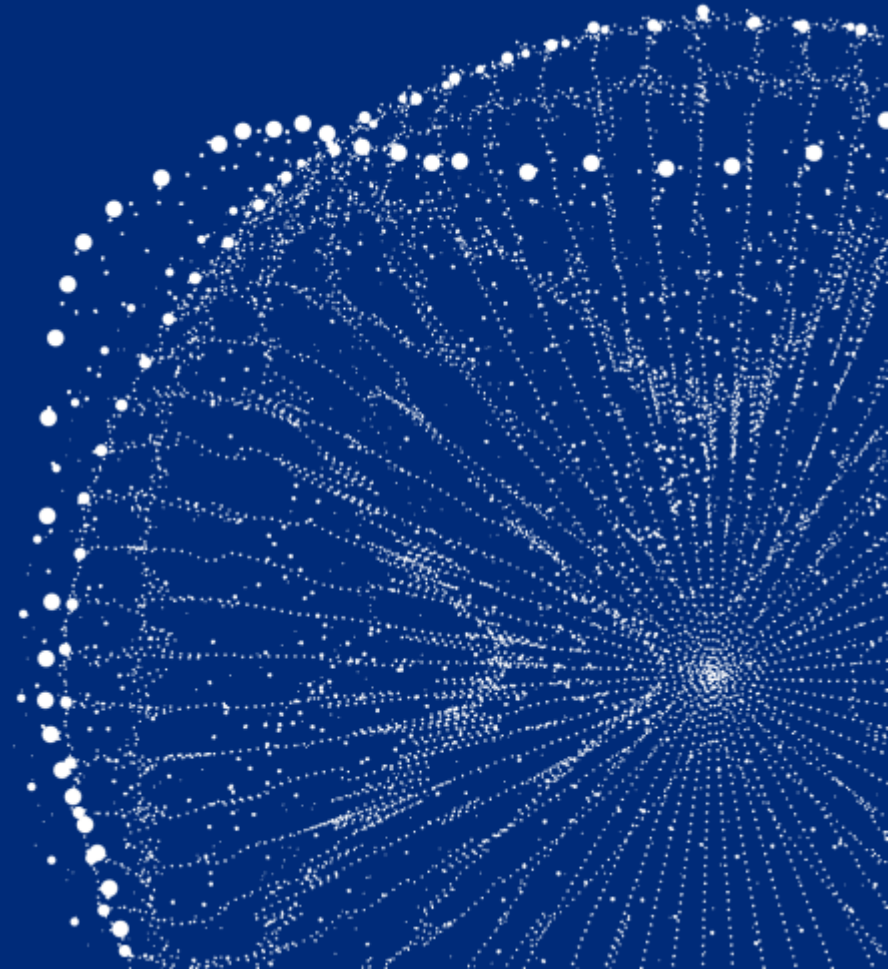
enhancing the post-market surveillance of digital healthcare products



establishing a regulatory pathway that could incorporate synthetic data



Guidance for procurers and developers



For those seeking to understand, develop and adopt AI visit our [AI Knowledge Hub](#).

Publications

- [A Buyer's Guide to AI in Health and Care](#)
- [AI for healthcare: creating an international approach together](#)
- [Artificial intelligence: how to get it right](#)
- [A guide to good practice for digital and data-driven health technologies](#)
- Use of AI in social care [case studies](#)



A Buyer's Guide to AI in Health and Care



'It is aimed at anyone likely to be involved in weighing up the **pros and cons** of buying a product that uses AI.

It offers **practical guidance** on the questions to be asking before and during any AI procurement exercise in health and care.

- What is the problem you are trying to solve?
- Why AI?
- Can you validate the product's performance claims?
- How well will the product work in your organisation?
- What do you need to have in place to give your project the best chance of success?'

A Buyer's Guide to AI in Health and Care, Nov 2020

