

# LLE Short Course Trial In Digital Healthcare

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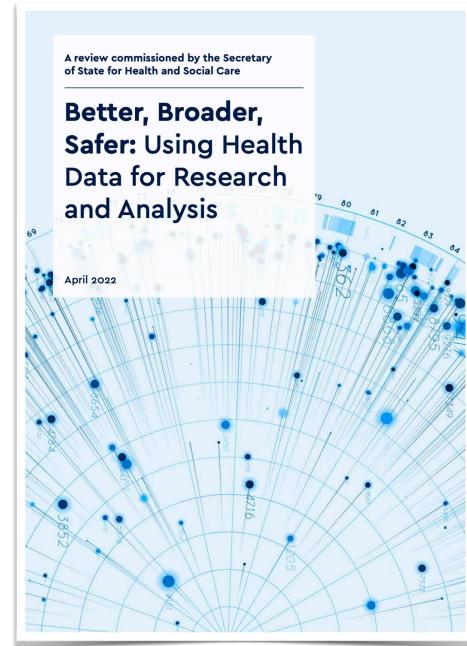
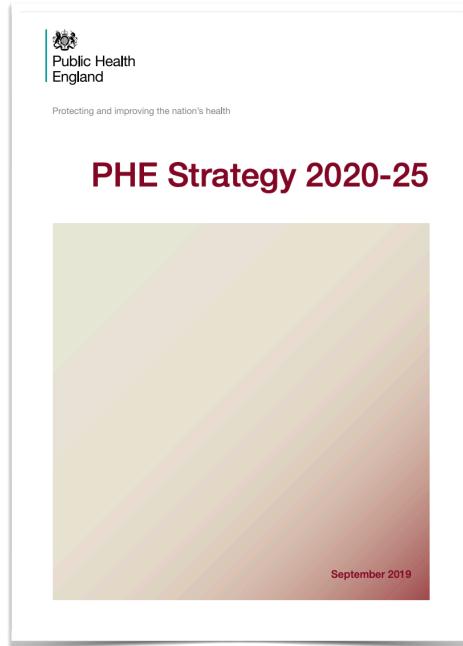
**Monday 9th May 2022**



**The  
Alan Turing  
Institute**

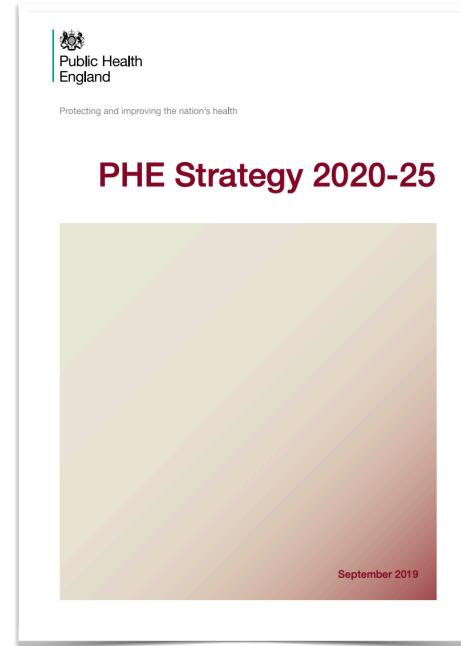


Department for  
Digital, Culture  
Media & Sport



**“Within 20 years, 90% of all jobs in the NHS will require some element of digital skills. Staff will need to be able to navigate a data-rich healthcare environment”**

The Topol Review, 2019 (<https://topol.hee.nhs.uk/>)



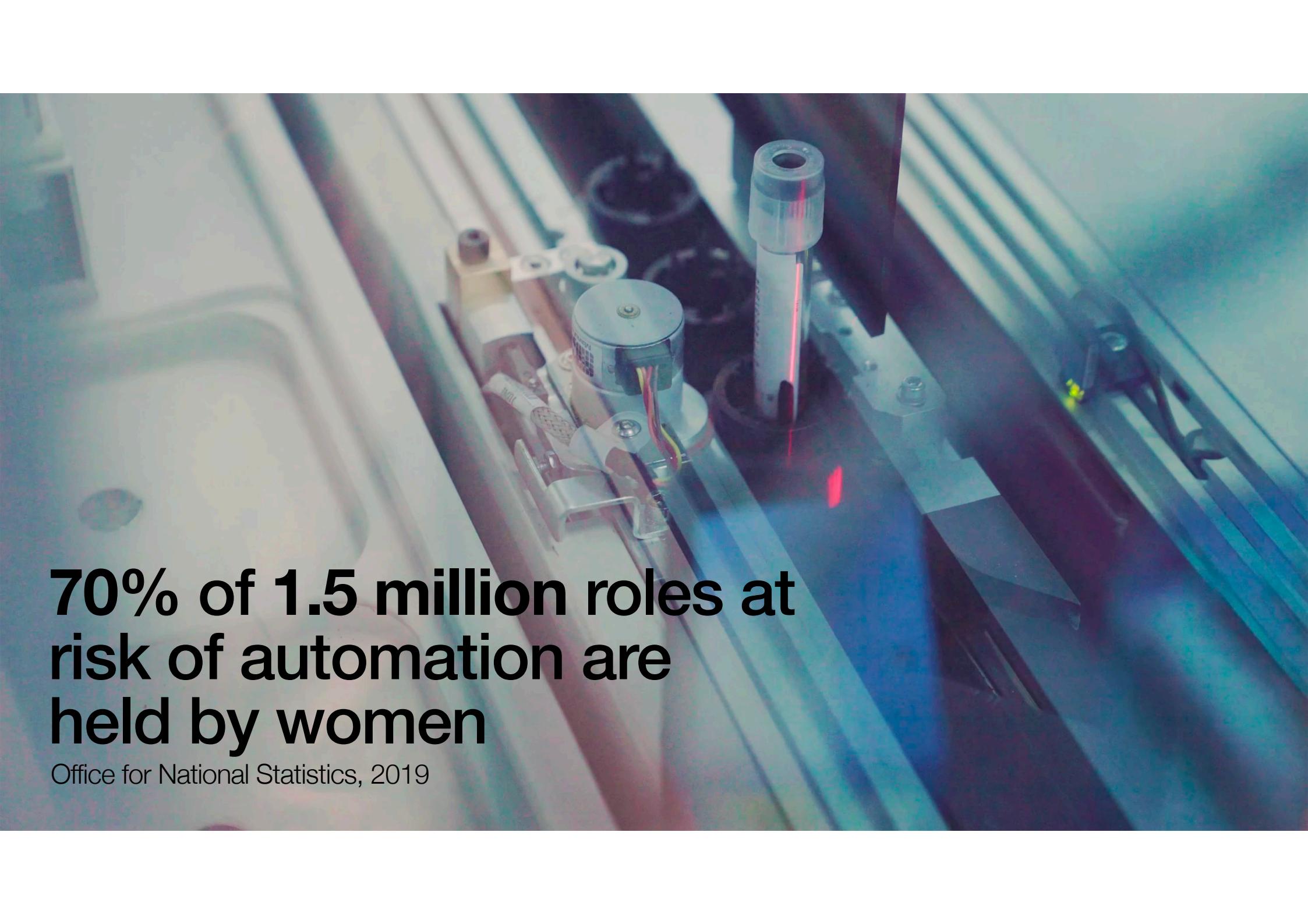
**Public Health England's priorities for the next 5 years; for data, AI and innovation to transform the prevention, early diagnosis and treatment of chronic diseases by 2030**

**PHE Strategy 2020 to 2025**



# **80% of 2030's workforce are already in employment**

Industrial Strategy Council (2019), UK Skills Mismatch 2030 Report



**70% of 1.5 million roles at  
risk of automation are  
held by women**

Office for National Statistics, 2019

# Newcastle pedagogic innovation in Data Science and AI

**2018:** HEFCE Catalyst Fund (PI Forshaw) “Addressing the national data analytics skills shortage: co-creation of an industry-led Data Science programme.” £250,997.86

**2020:** OfS, DCMS and Office for AI (PI Forshaw)  
“Widening access to postgraduate training in data science and AI.”  
£549,956 (OfS) + £968,134 (Co-Investment)

**2021:** Dept. for Digital, Culture, Media and Sport (PI Forshaw) “National Data Strategy Pilot in Foundational Data Skills for Undergraduates.” £146,464

**2021:** Research England and Office for Students (Co-I Forshaw) “Promoting an anti-racist Postgraduate Researcher (PGR) lifecourse (PRO-LIFT).” £1,286,273

**2021:** EPSRC (PI Forshaw) “Pedagogic innovation in (non-)cognate Data/AI Education through industry-academic co-creation.” £260,493

**2022:** DCMS/OAI will announce further funding for widening participation scholarships in Jan/Feb ‘22

**2021:** DfE (Valentine and Forshaw) Higher education short course trial in Digital Healthcare. £201,617

## Widening Participation and EDI

## Expansion to non-cognate Capacity Building



# Partners

- Newcastle upon Tyne Hospital NHS Foundation Trust (NuTH)
- Cumbria, Northumberland, Tyne and Wear NHS Trust
- Health Education England North East
- Newcastle Health Innovation Partnership (NHIP)
- Faculty of Clinical Informatics (FCI)
- Integrated Care System (iCS)

The Newcastle upon Tyne Hospitals  
NHS Foundation Trust



Cumbria, Northumberland,  
Tyne and Wear  
NHS Foundation Trust



NHS Foundation Trust



# Course Outline

- Foundational data science training brings significant potential to close the gap in technical understanding required to translate data and AI use cases into clinical value, to develop a culture of trust in the use of data and provide guidance on developing capacity in data science and AI.
- Our training will empower participants to identify real opportunities and gaps and offers practical guidance to support their role in the governance of these systems.
- The programme will address critical issues around EDI in the treatment and interpretation of data, ensuring that practitioners understand the limitations as well as the benefits of data science.
- 2x20 credit modules at Level 6  
Foundational data science literacy for Healthcare,  
Applied Data Science for Healthcare
- Across one or two academic years  
(within 12 months for LLE eligibility)





Funding opportunity

## Expression of interest: digital health hub pilot scheme

Opportunity status: Open

Funders: [Engineering and Physical Sciences Research Council \(EPSRC\)](#)

Funding type: Grant

Total fund: £8,000,000

Maximum award: £4,000,000

Publication date: 31 March 2022

Opening date: 31 March 2022 16:00 UK time

Closing date: 11 August 2022 16:00 UK time

Last updated: 30 May 2022

[Start application ▶](#)

### Timeline

31 March 2022 16:00

Opening date

31 May 2022 10:00

Webinar

28 June 2022 16:00

Expression of interest closing date

11 August 2022 16:00

Full proposal closing date

February 2023

Interview panel

- <https://www.ed.ac.uk/bayes/about-us/education/workforce-development/courses/health-datascience-22>