



*Yorkshire
& Humber*
AHSN

**Transforming Lives
Through Innovation**

Strength, Breadth, and Depth: Innovation in Leeds City Region and the wider Yorkshire and Humber Geography

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Leeds City Region



Largest regional economy outside London



109,000 businesses and a GVA of over £69 billion



Skilled workforce of 1.4 million people



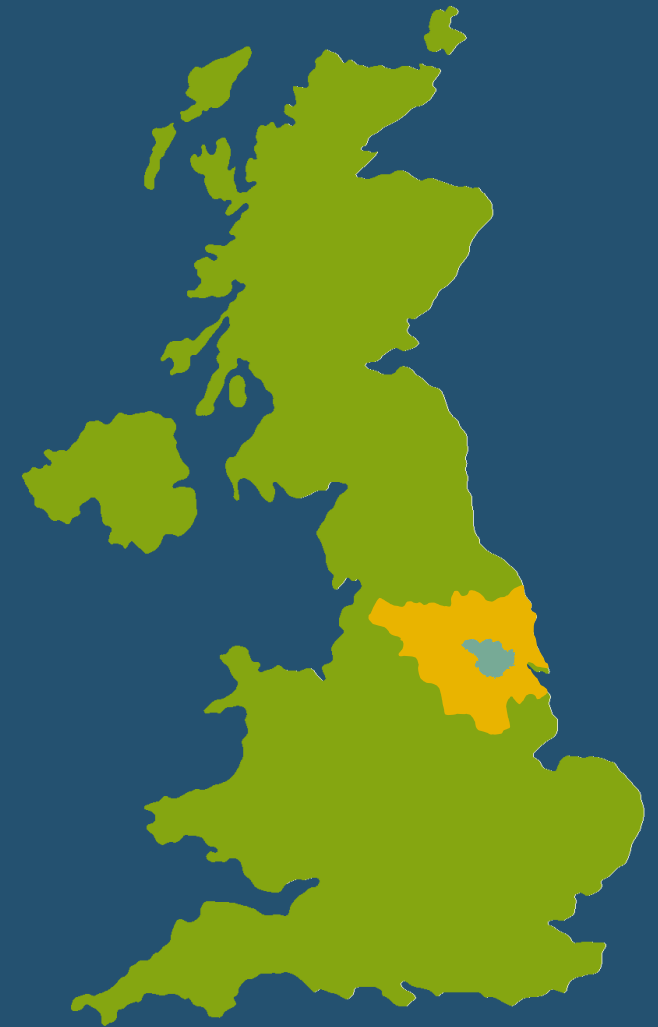
Nine universities (largest cluster outside London) producing 39,000 graduates per year. Over 15,000 in STEM subjects, the highest outside of London



The cost of starting a business is 80% lower than London



Leeds was named the best city in the UK to start a business and the City Region one of the best places in Europe



Place

Cluster

Collaborate
& Grow

Leeds City Region- Health



27 NHS Organisations including NHS England, the largest single health commissioner in the world



196,000 People employed across health and life sciences



A cluster of 250 medical device companies - the largest in the UK – and 65 of which are dedicated digital health companies



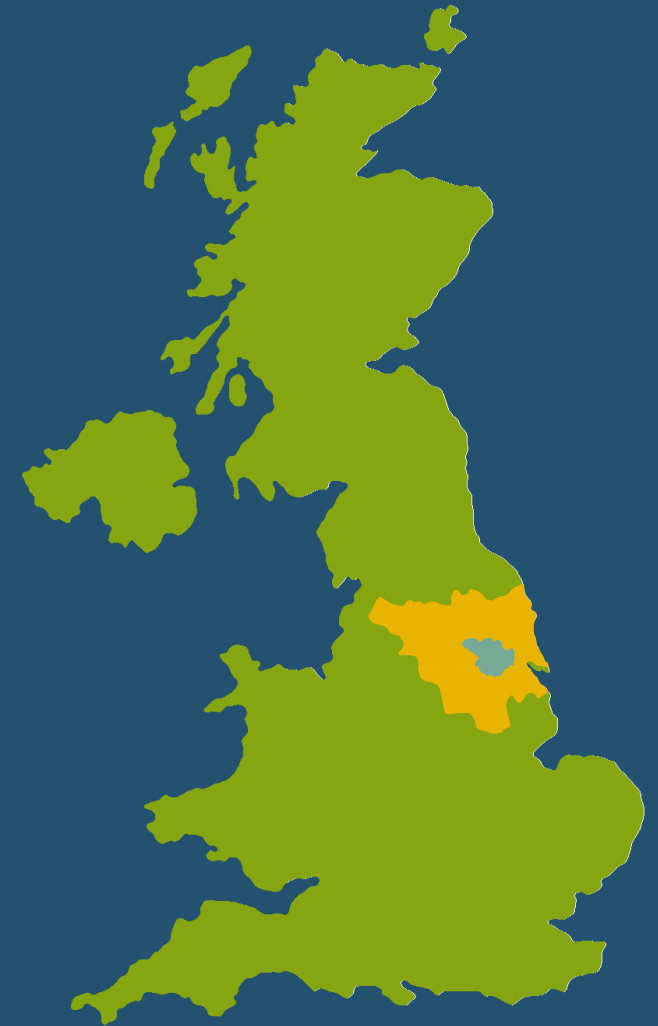
22% of all UK digital health technology jobs



Leeds is home to the largest Teaching Hospital Trust in the UK and one of the largest in Europe, with over 17,500 staff



Local connectivity, national reach, and collaboration across the private, public, and voluntary sectors



Place

Cluster

Collaborate
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Leeds City Region- Support Networks & Collaborators

NIHR | Leeds Biomedical
Research Centre



Access to funding programmes and a growing network of investors based in the region



3 Incubator and research gateway hubs, plus a wealth of investment, accelerator and support programmes



Ideal test bed, including clinical trial facilities conducting 12,000 trials a year



Access to a wealth of NHS and other health-system organisations to collaborate with and grow

Place

Cluster

Collaborate
& Grow



Yorkshire and the Humber

- **5.7m** citizens
- **3** Integrated Care Systems
- **£12.4bn** annual health and social care investment
- **19** Acute Trusts of which
- **6** are also Teaching Hospitals
- **11** Mental Health and Care Trusts
- **16** Clinical Commissioning Groups
- **754** GP Practices
- Over **1,500** care homes
- **12** Universities
- More than **677** Life science companies

Yorkshire and the Humber- Health



Breadth and depth of health and life sciences innovation infrastructure, connectivity, and of centres of excellence



MedTech accounts for 62% of all life sciences employment in Yorkshire and the Humber (the highest proportion in the UK)



Yorkshire and Humber is the UK's second highest region for MedTech employment



Between 2011 and 2020, over 1.700 new private sector jobs were created in the region's life sciences sector



Health innovation is one the North of England's 4 prime capabilities

Supporting innovators to develop products, produce evidence, and create company growth

Supporting import of cutting-edge innovations from overseas aligned to demand

Supporting innovators from overseas to base themselves in the region, attract investment, and achieve spread/adoption of their innovations

Working in partnership with the health system to match demand to supply

Growing the region's innovation ecosystem

Driving regional economic growth



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Tackling the big health-related challenges which exist in our region and beyond

Exporting the best of the UK's innovations and knowledge to meet overseas health demands and challenges

Driving spread/adoption of health innovation to improve health outcomes and reduce costs

Transforming lives through innovation

Our Impact

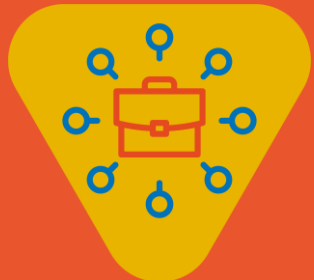
As a result of our work between 2018 and 2020, we estimate that at least:



103,000 patients benefitted from better, safer care



£72m was saved by the healthcare system



526 innovator companies received out support

Additionally, in 2020-21, we estimate that:



£5.3m of new healthcare investment was brought to our region



1,500 patients were able to self-monitor their COVID symptoms with pulse oximeters



£1.8m of maternity bed days were avoided through our PIGF testing programme

Propel@YH

US Boot Camp

A week of activities for US Health Tech companies: offering support, advice, engagement, and networking aimed at providing a strong 'landing pad' to move into the UK market

- Focussing upon:
 - structure, organisations, strategies, programmes, and funding in the NHS
 - creating connections with NHS organisations within Yorkshire and Humber
 - evidence and evaluation requirements
 - governance, clinical safety, assurance, and confidentiality
 - legal aspects for suppliers including confidentiality, data protection, IP, and medical device requirements
 - financial aspects including funding and scaling up
 - the Leeds, Nexus, University of Leeds, and wider innovation support ecosystem
 - identifying further medium-long term support and collaboration

Why the Leeds City Region?

- Positioning yourself within a cluster of health and life sciences assets and activity
- Access to a skilled workforce and a wealth of NHS organisations
- A perfect springboard into health and life sciences assets and opportunities in the wider Yorkshire and Humber region and the rest of the UK
- Access to a wealth of potential collaborators to work with and learn from
- Access to a wide range of support programmes and organisations such as the AHSN



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Photography: Welcome to Yorkshire | <https://www.yorkshire.com/>



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