

Local Industrial Strategy and the pursuit of inclusive growth

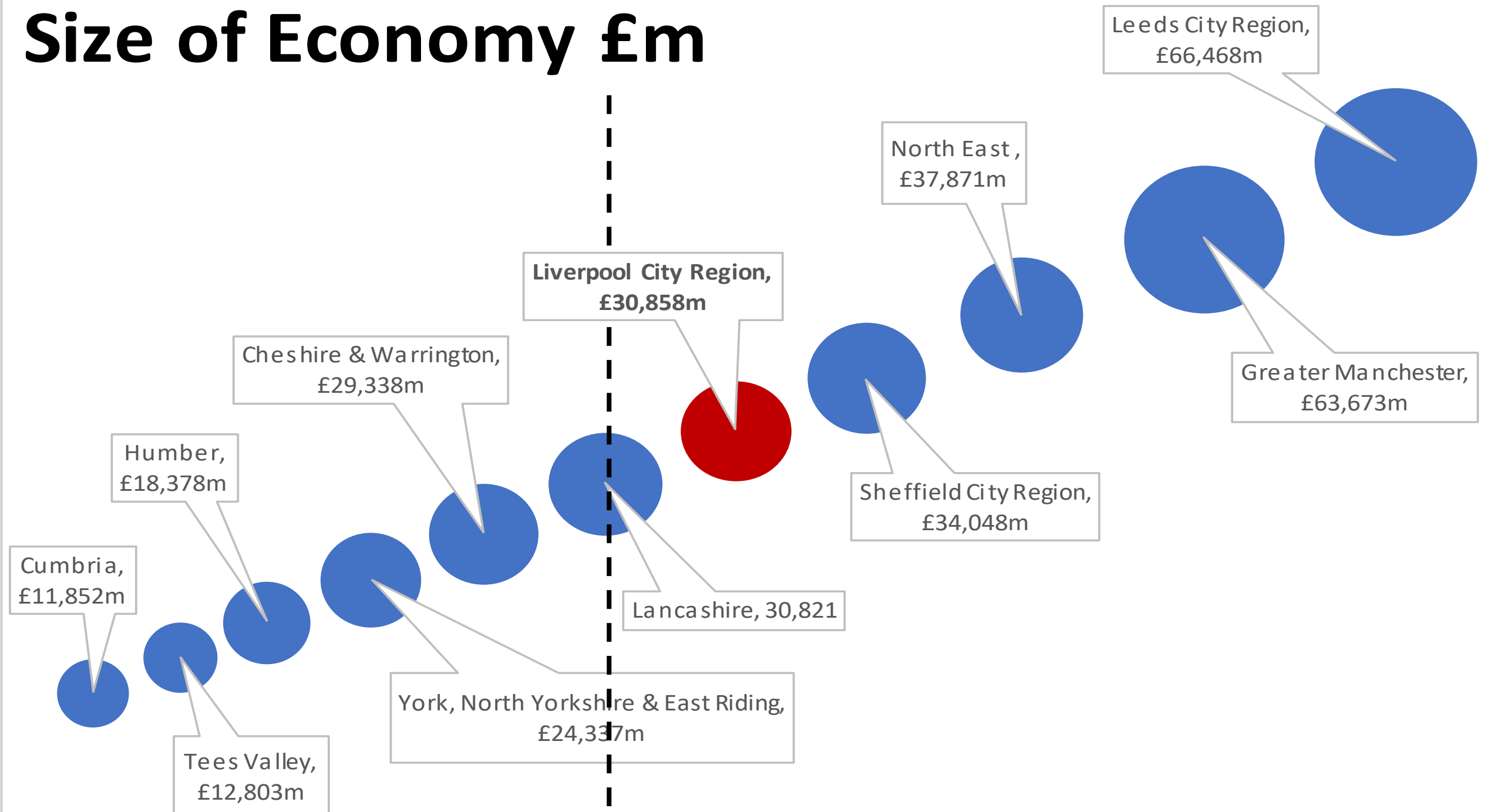
Mark Basnett
Managing Director

A Decade of Growth

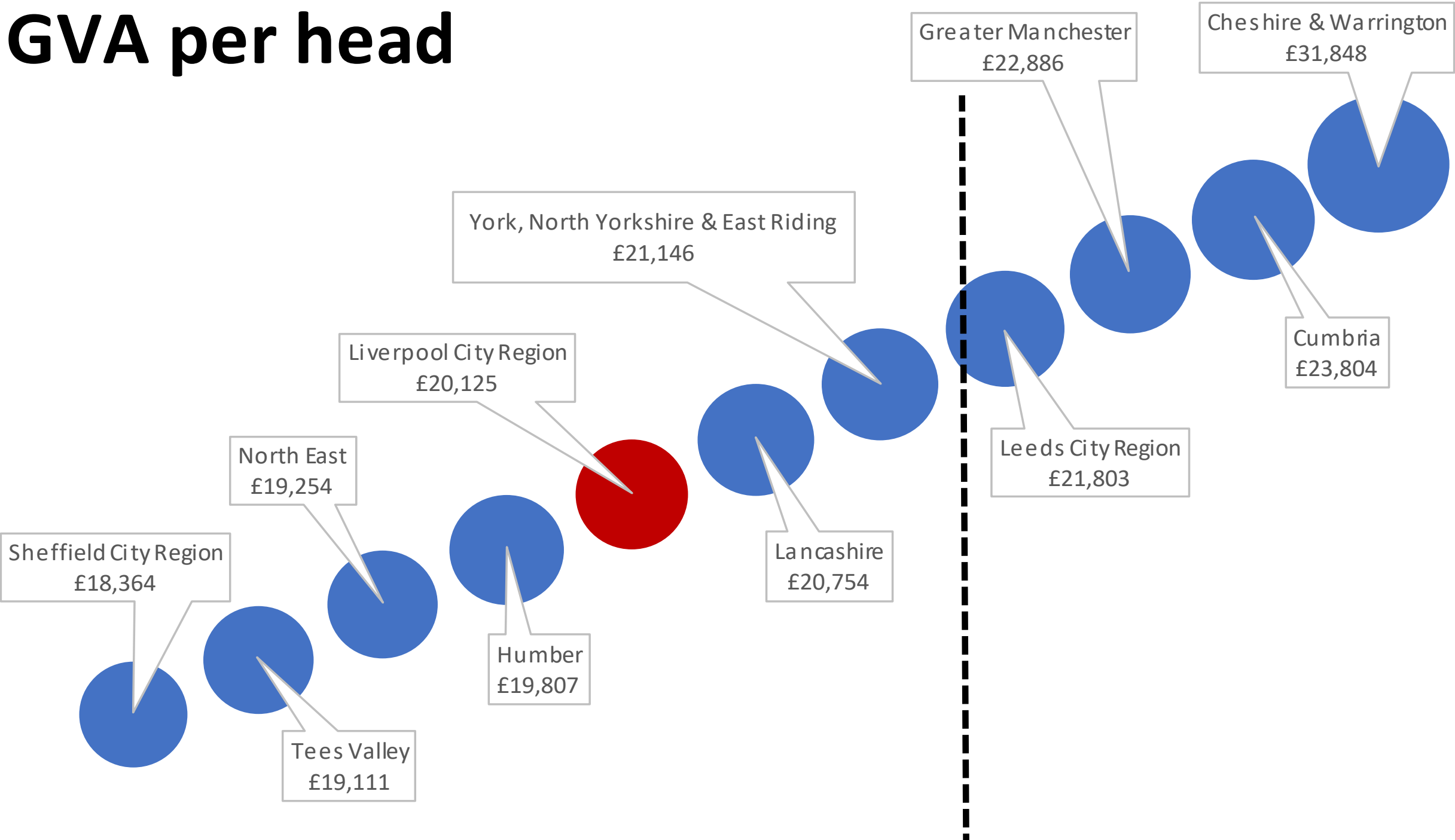
- 10 years
- 100 investments
- £10bn invested
- 24,000 additional jobs
- 8,000 additional businesses

And Yet.....

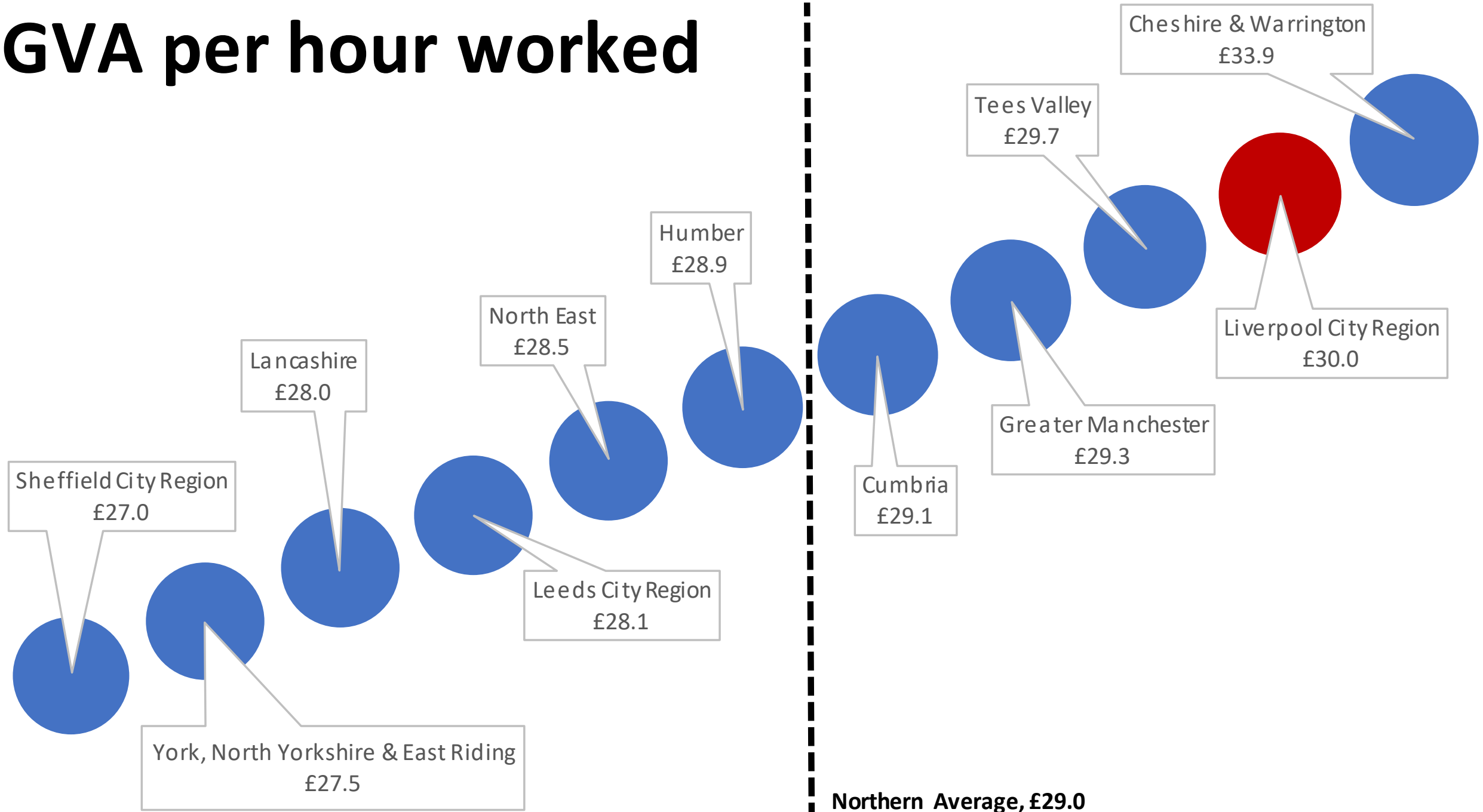
Size of Economy £m



GVA per head

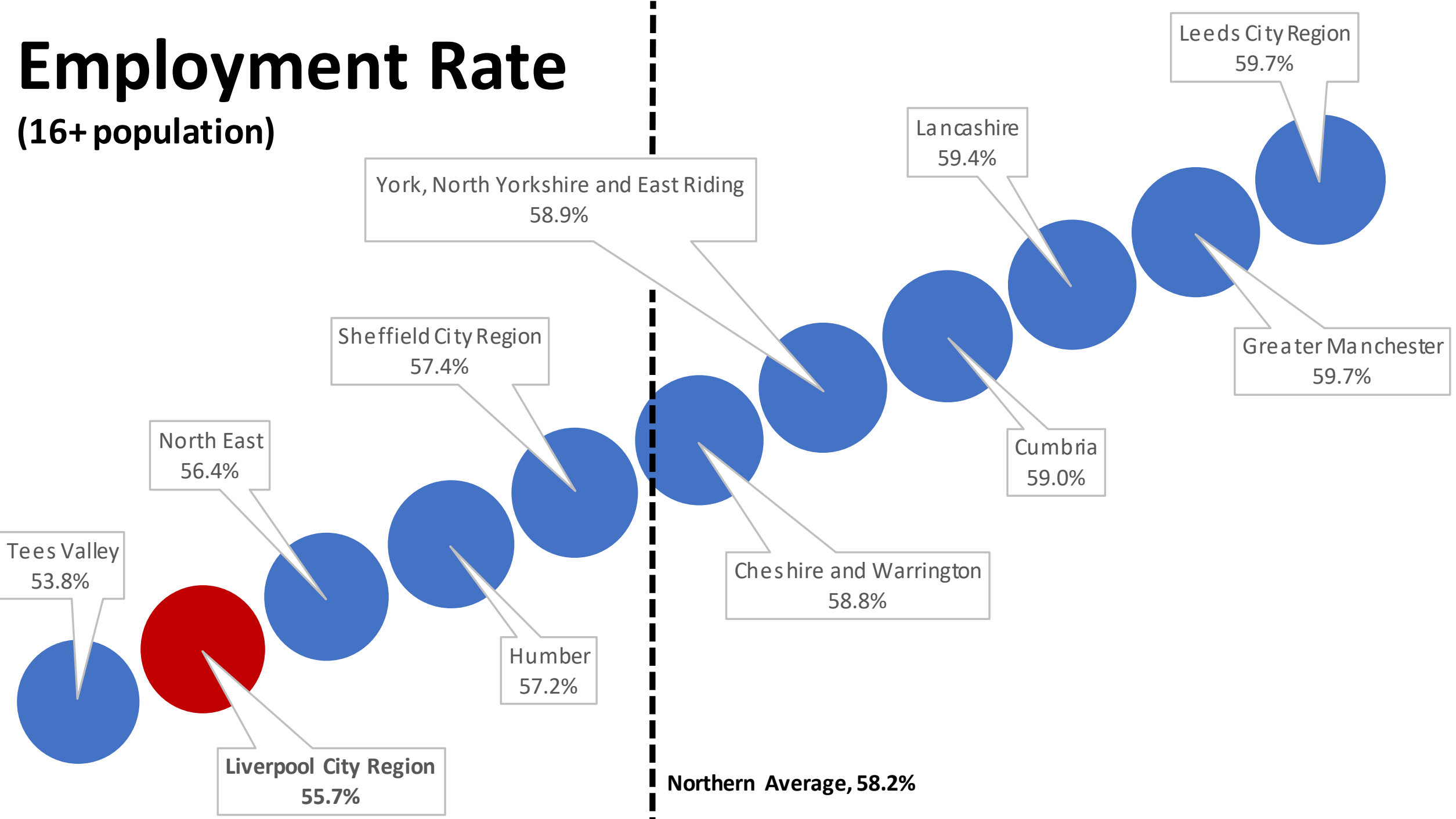


GVA per hour worked



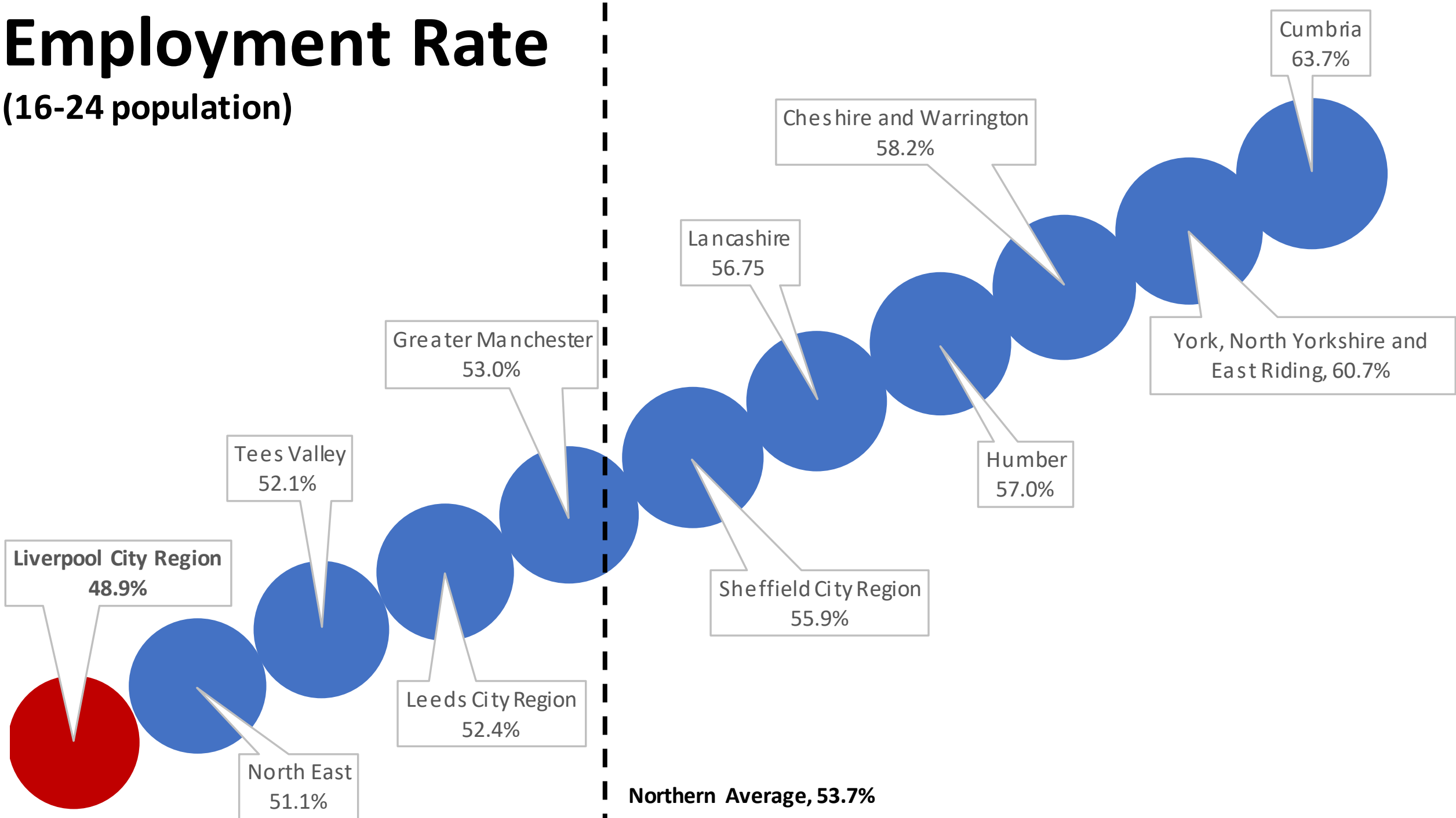
Employment Rate

(16+ population)



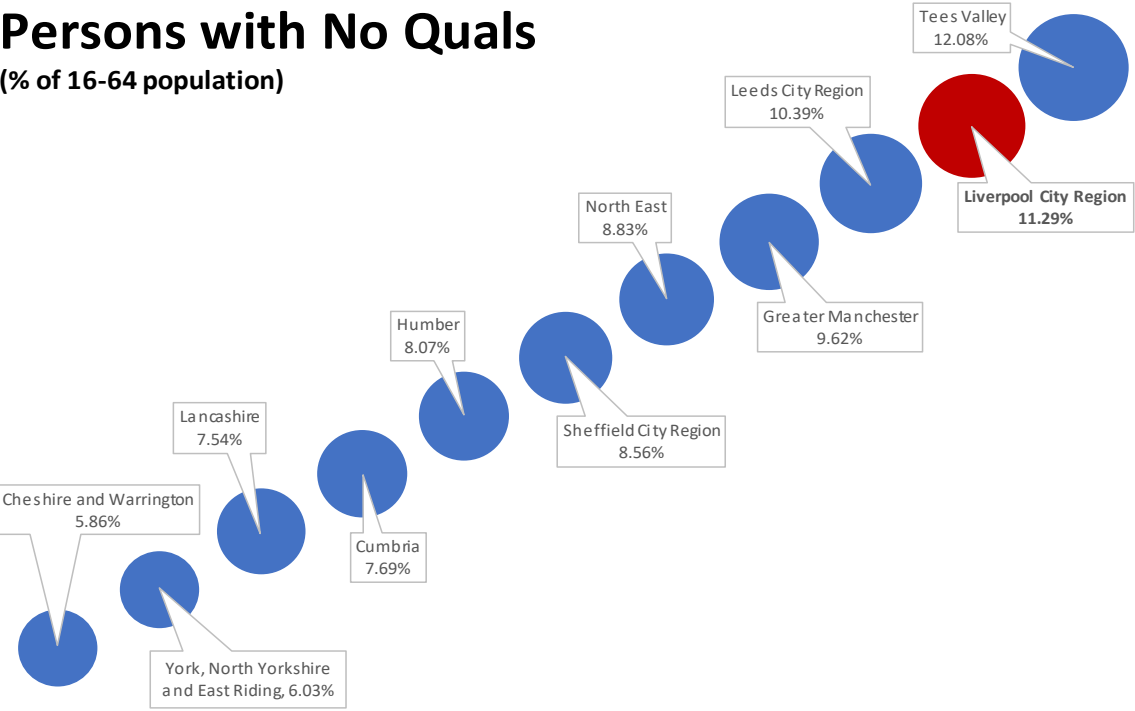
Employment Rate

(16-24 population)



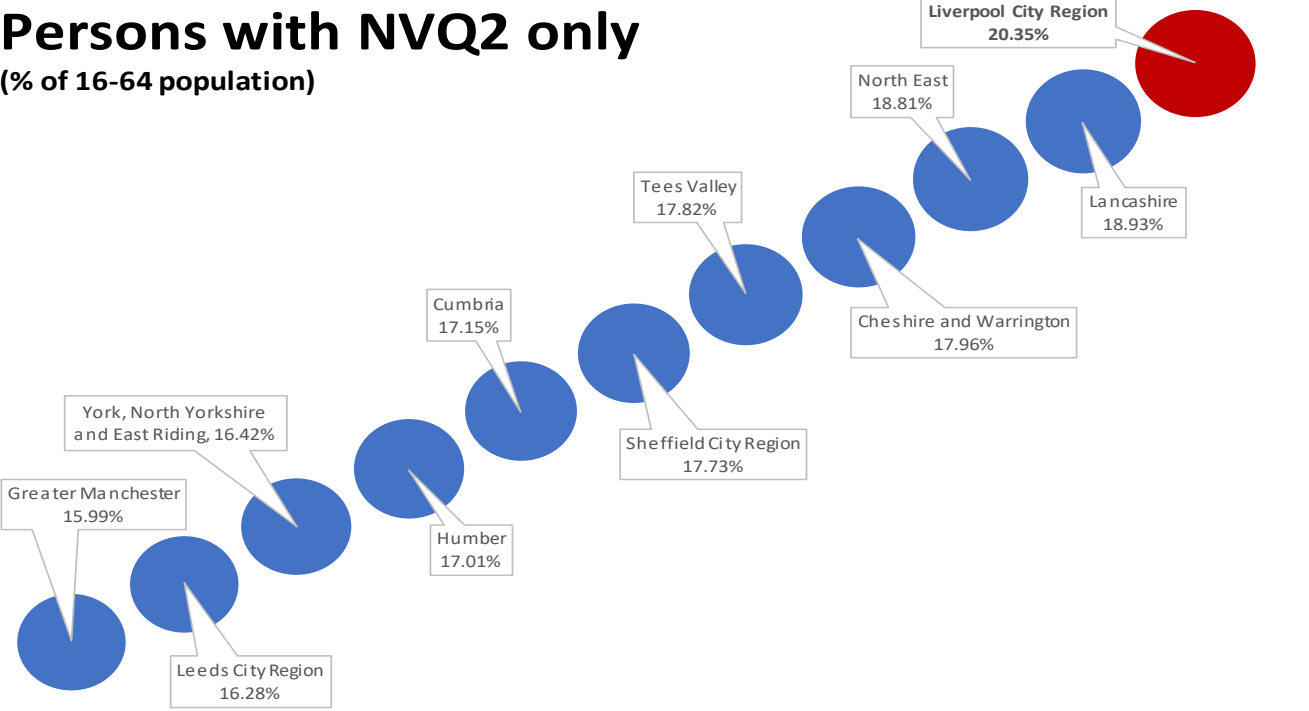
Persons with No Quals

(% of 16-64 population)



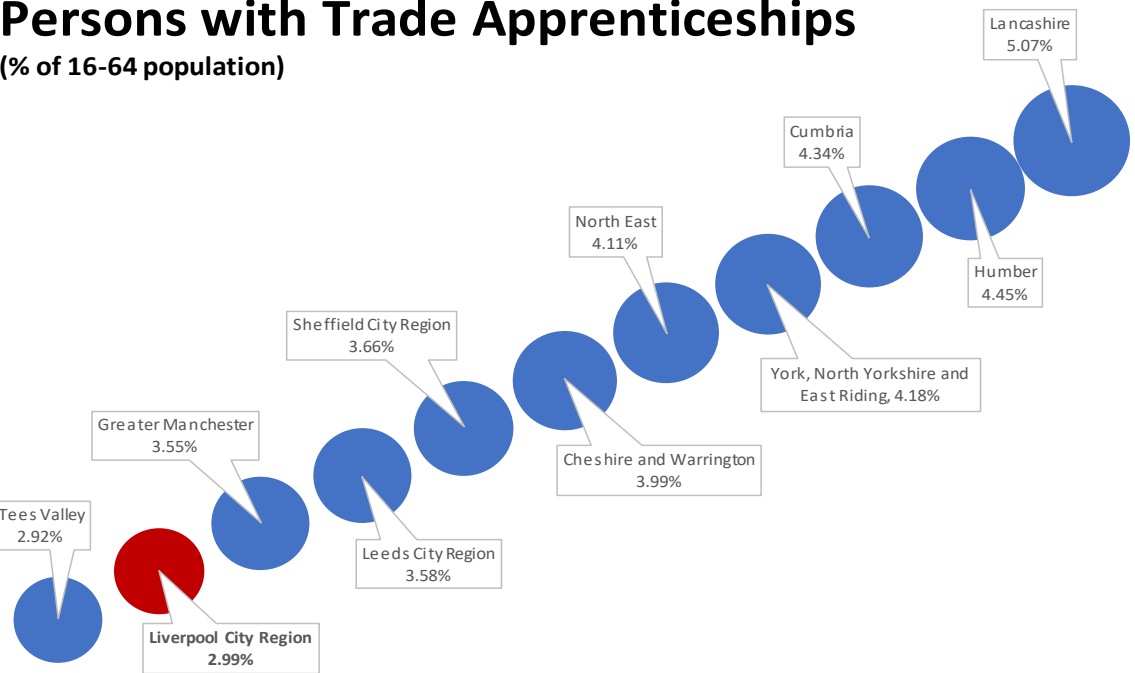
Persons with NVQ2 only

(% of 16-64 population)



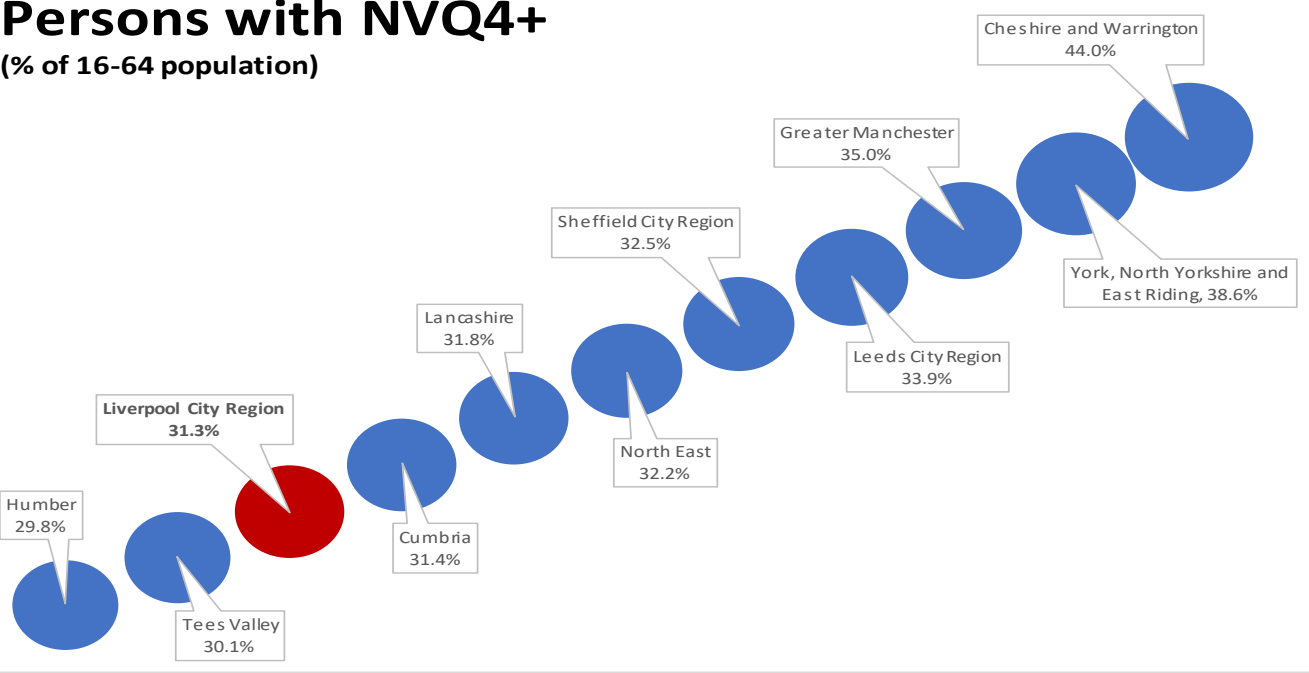
Persons with Trade Apprenticeships

(% of 16-64 population)



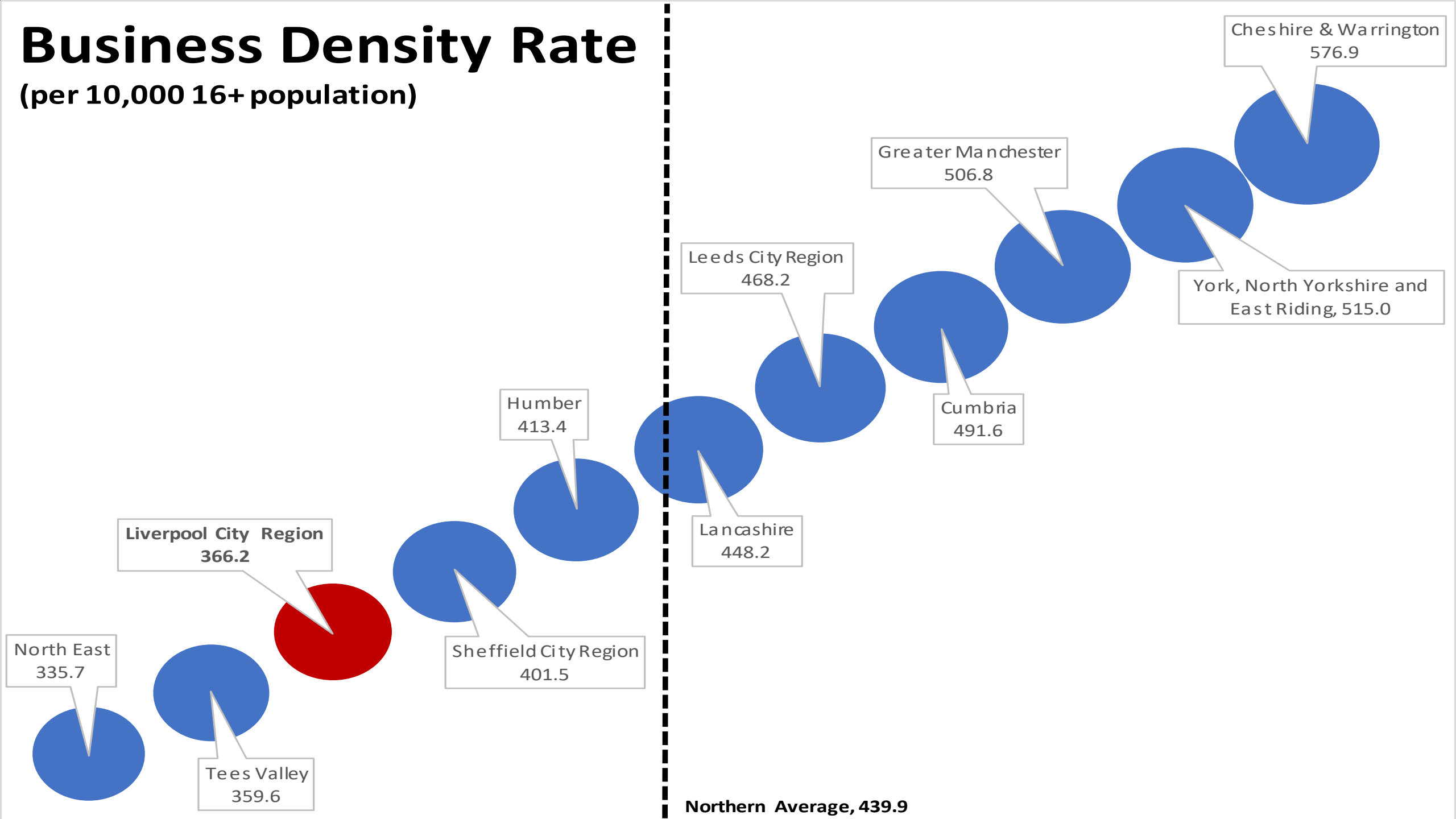
Persons with NVQ4+

(% of 16-64 population)



Business Density Rate

(per 10,000 16+ population)



City Region Challenges

- More Jobs
- More Local People in Jobs
- More Skills for business needs
- More Apprenticeships
- More Business Survival
- More Business Growth

Local Industrial Strategy

Industrial Strategy: Grand Challenges

Artificial Intelligence

“We will put the UK at the forefront of the artificial intelligence and data revolution”

Aging Society

“We will harness the power of innovation to help meet the needs of an ageing society”

Clean Growth

“We will maximise the opportunities for UK industry from the global shift to clean growth”

Future of Mobility

“We will become a world leader in the way people, goods and service move”

Artificial Intelligence

The background of the image is a complex, abstract visualization. It features a dense network of thin, bright green lines that radiate from a central point, creating a starburst or explosion effect. Interspersed among these lines are numerous small, glowing green dots. A prominent, thicker blue line with a wavy, undulating path cuts across the right side of the image. The overall color palette is dominated by vibrant green and deep blue, set against a dark, almost black background, which gives the impression of a high-tech, digital environment or a representation of artificial neural networks.

Artificial Intelligence

Opportunities

- Full Fibre “superspine” & global digital interchange
- National AI Solutions Hub
- World’s 1st “Living Hospital”
- Digital inclusion trailblazer
- 1 of only 6 UK 5G testbeds

Key Facts

- World leading capability in industrial application of high performance & cognitive computing
- 3 transatlantic fibreoptic cable connections
- 4 Global Digital Exemplar Hospitals (most in UK)
- LCR digital/createch sector growth 3x faster than England avg over last 10 years; £1.3bn GVA, 11,000 jobs

World Class Companies

- IBM Research
- SciTech Daresbury data centric cluster
- Shop Direct, Telefonica/O2, Unilever (global data centres & cybersecurity)
- SMEs include Evoke Creative, The Lead Agency, Lime Pictures, Ph.Creative, Red Ninja, vTime, e-health cluster

World Class Facilities

- UK’s most powerful industrial supercomputer at the national Science & Innovation campus at Daresbury
- Unique STFC Hartree Centre colocation with IBM Watson
- Sensor City: one of world’s 1st sensor/IoT tech. incubators
- University of Liverpool is the UK’s leading Computer Sciences Dept., also at the heart of Knowledge Quarter Liverpool
- Baltic Triangle: coolest place to live in the UK (Times, 2017)

Clean Growth



Clean Growth

Opportunities

- UK's Renewable Energy Coast
- Mersey Tidal Commission: Tidal Energy
- Carbon Capture & Utilisation
- UK Hydrogen Production & Services Hub
- Centre for Modular Infrastructure Manufacturing
- Offshore Wind investment and development centre

Key Facts

- 1,500 businesses: 35,000 employees
- £2bn GVA contribution per annum
- £4.3bn investment in offshore windfarms
- Globally significant location for offshore wind
- Growing Low Carbon supply chain
- First deployment of NextGen offshore turbines and energy storage

World Class Companies

- Orsted, ABB, Cadent, Drax, Innogy
- Iberdrola, Clarke Energy, Mitsubishi Vestas
- Cammell Laird, Peel Ports, BOC Linde
- Inovyn, Bibby, Knauf, E-On, Ulemco, Stobart
- Ansaldo Westinghouse, Wood, Office for Nuclear Regulation, Ineos, Stiebel Eltron, Hutchinson

World Class Facilities

- Port of Liverpool Biomass Facility
- Europe's largest Chlor Alkali Hydrogen facility
- National Oceanography Centre, MTC, Knauf R&D
- Stephenson Institute for Renewable Energy
- Nuclear AMRC, BRE Future Housing Centre

Future Mobility



Future Mobility

Opportunities

- Alstom Technology Centre for Hydrogen Rail
- Global Logistics Hub for Northern UK and Ireland
- UK Centre for Late Configuration Manufacturing and Port Related Food/Processing Business
- Global Cruise Liner Destination
- Assembly & Development of Large Logistics Parks

Key Facts

- 20,000 employees
- £1bn GVA contribution per annum
- 35m people closer to Liverpool than Southern UK Ports
- Closest port to over 50% of UK manufacturing
- Most Central Port in the UK

World Class Companies

- Peel Ports, Bibby Group, Cammell Laird,
- Alstom, ACL, Maersk; MSC, CMA CGM, Stena Line
- Unipart, ABP, NS Shipping, Transglobal Express
- QVC, TJ Morris, Matalan, Amazon, B&M
- Stobart Group, Abbey Group, Potter Logistics
- Seacon Logistics, Warrant Group

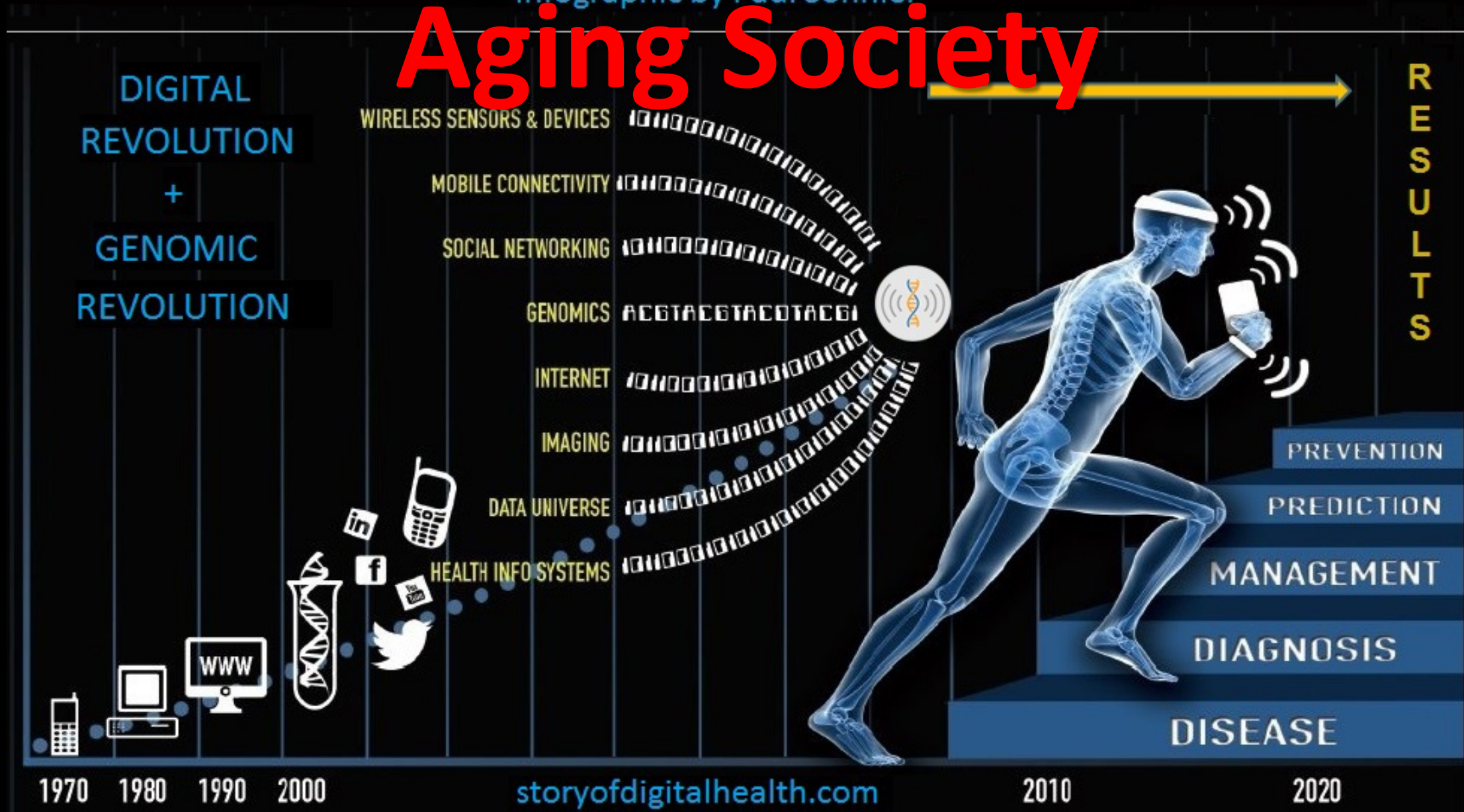
World Class Facilities

- Port of Liverpool; Manchester Ship Canal
- Liverpool 2: Deep Water Container Facility
- Liverpool John Lennon Airport
- Cammel Laird Construction Hall, wet and dry docks
- Mersey Gateway Bridge & Motorway network
- Knowsley Industrial Park; St Helens Logistics
- LJMU, Northern Logistics Academy; Port Academy

THE DIGITAL HEALTH REVOLUTION

Infographic by Paul Sonnier

Aging Society



Aging Society

Opportunities

- Global Centre for Infectious Disease Research
- European Capital for Biomanufacturing
- Digital Health and MedTech Excellence
- UK Centre for Clinical Trials and medicines development
- Social Innovation Excellence

Key Facts

- £4.4bn healthcare cluster
- >125,000 employees – >20% of the City Region's workforce
- European capital of vaccine production
- UK centre for healthcare professional training

World Class Organisations

- Industry – including Astra Zeneca, Seqirus, Allergan Eli Lilly/Elanco, Bristol Myers Squibb, Mast Group
- Universities - University of Liverpool, Liverpool John Moores University, Liverpool School of Tropical Medicine
- NHS including - Alder Hey, Royal Liverpool, Walton, Clatterbridge, Mersey Care, Liverpool Women's
- Royal College of Physicians

World Class Facilities

- Sci-Tech Daresbury & STFC Hartree Centre
- Knowledge Quarter, including Universities, NHS, Life Sciences Accelerator and Liverpool Science Park
- NIHR Clinical Research Facilities and resources

People & Skills

People & Skills

The real productivity challenge for the City Region lies with our people...

- The data shows that whilst they work hard, there are too few in employment
- Broadly, their skills levels are below average, and wages track this
- Schooling and skills outcomes for young people are amongst the worst in the UK
- The 2nd and 4th 'poorest' wards in the UK, according to the Index of Multiple Deprivation, are within the City Region
- And they face significant health challenges and caring responsibilities – life expectancy for an adult male is 15 years below national average

Our Local Industrial Strategy must make this our primary Grand Challenge



Thank You
Any Questions?