

# SKILLS ADVISORY PANELS

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Manager (Skills)**

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Policy Manager**

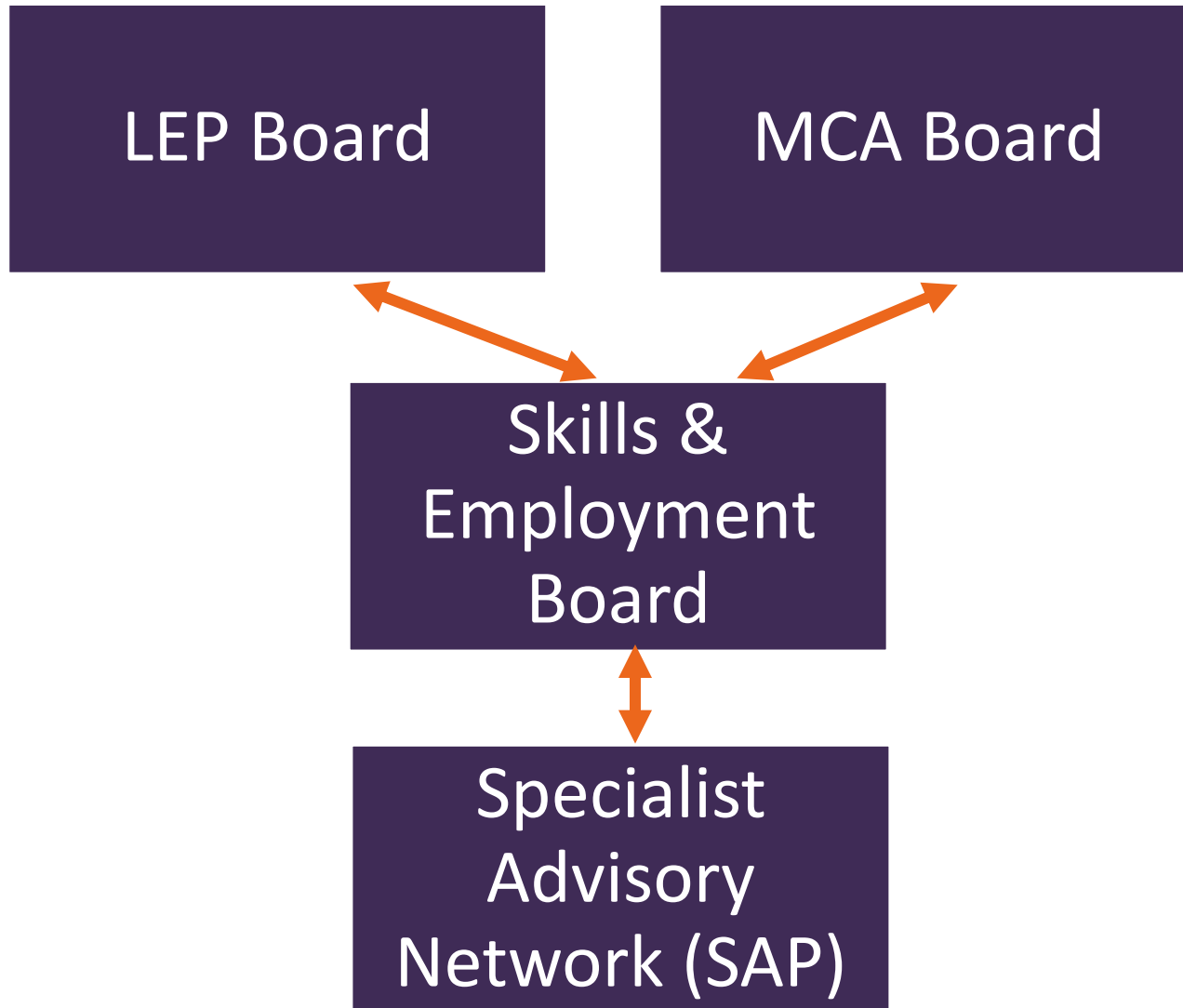
**Sheffield  
City Region**

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# SKILLS ADVISORY PANELS:

- SCR have scope to determine what SAPs are...
- Help LEP's fulfil their local leadership role in the skills system by helping us understand local areas current and future skills needs and labour market challenges.
- SAPs are being proposed by DfE “to improve consistency and support local areas to produce robust evidence to inform local decision-making on skills needs and priorities”.
- SAPs are expected to:
  - Generate analysis of their local skills and labour markets to understand the local position
  - Discuss and agree local skills needs priorities in the short-term and more longer-term
  - Consider how these will be met through local provision over time
  - Introduction to level playing field

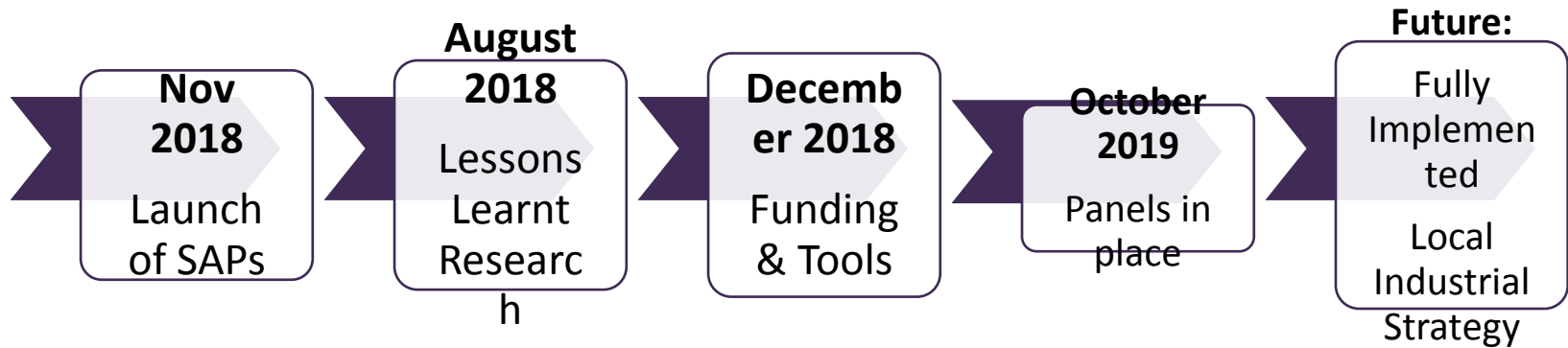
# HIERARCHY



# WHAT WILL THE SAP DO?

- The SCR SAP has yet to meet (expected Jan 2020).
- LEP Board, Skills and Employment Board
- Employers, FE, HE, Schools, ITPs, UTCs, NHS, JCP/DWP, DfE/ESFA and VCS
- Will consider robust evidence on local skills needs, wider labour market challenges and priorities to inform their skills agenda.
- Evidence:
  - Funding for evidence; building on Skills and Employment Chapter in the Evidence Base for Strategic Economic Plan and Emerging Local Industrial Strategy.

# INDICATIVE TIMESCALES



# SCR ECONOMIC STRATEGY

## Strategic Economic Plan (SEP)

- **Overarching Strategy** to set aspirations & priorities for SCR
- Emphasis on **inclusive economic growth**
- **Medium to Long-term**
- **Developed with stakeholders** – mainly local & regional

## Local Industrial Strategy (LIS)

- **Focused Plan** for driving growth in productivity
- Emphasis on **productivity drivers**
- **Co-developed and agreed with Government** – a bidding document (?)

# PROCESS & TIMESCALES

- Twin tracking SEP & LIS development
- Intra SCR engagement
- LA officer engagement already underway
- Private sector engagement – combination of set piece sessions & other focused forums
- Online evidence base
- Central government engagement

- **Summer** – engagement on evidence base and emerging priorities
- **November** – Draft documents
- LEP Board (**November & January**)
- MCA Board (**November & January**)
- **November 2019** – final draft of LIS
- **January 2019** – SEP & LIS published

# THANK YOU – QUESTIONS?

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**City Region**

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Systems science  
In Public Health and  
Health Economics Research

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# **Health in all policies: can whole systems, cross-sectoral economic evaluation help?**

## **A brief introduction to the Systems science In Public Health & Health Economic Research Consortium (SIPHER)**

**Directors: Prof. Petra Meier & Dr Robin Purshouse  
University of Sheffield**

# Our vision

**A shift from “*public health*”  
policy  
to *healthy* public policy  
to  
reduce chronic disease  
& tackle health inequalities**

**across local, regional & national  
governments**

# Challenges in moving towards health in all policy



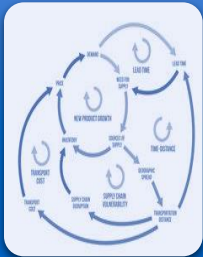
Our health is greatly determined by action in sectors other than health

*but* our evidence is often not geared to be relevant to these sectors.



Policy (cost-)effectiveness evaluations tend to have narrow sets of inputs and outputs

*but* for many policies there is a multitude of indirect, unexpected, long-range effects



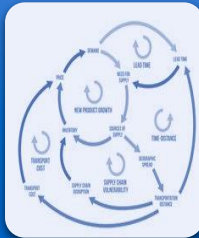
There are complex causal pathways at play

*but* we assume linear, direct mechanisms linking intervention and effect.

# What SIPHER wants to achieve



A new **systems-science** approach to policy effectiveness and cost-effectiveness



New insights into **complex cause-and-effect relationships**, initially in 4 policy areas:

- *Inclusive Economy*
- *Housing*
- *Public Mental Health and Wellbeing*
- *Adverse Childhood Experiences*



**Real-time policy appraisal and evaluation** across sectoral boundaries (e.g. cross-sector business cases)



**New ways of working** – academics and policy partners

# Our policy partners:

## 3 scales of government, one common struggle: above average NCD burden and persistent health inequalities

Local

Sheffield City Council (population: 570,000): aims to become a “public health organisation” with a focus on life expectancy gaps. HiAP because “public health cannot buy back health lost in other sectors”

Regional

Greater Manchester Combined Authority: new city-region (population: 2.7 million) with devolved powers. Large economy, with an ambitious lifecourse and place-based strategy.

National

Scotland (population: 5.3 million): strategic priorities around societal fairness and wellbeing creation, with multi-sectoral strategies on social, economic and health inequalities. Public Health Reform Programme underway.

# Co-production between researchers, policy and practice partners is at the heart of SIPHER



Policy partners are co-investigators on grant



4 embedded researchers employed by partner organisations



£1.2 million co-investments



Focus on policy partners' priorities

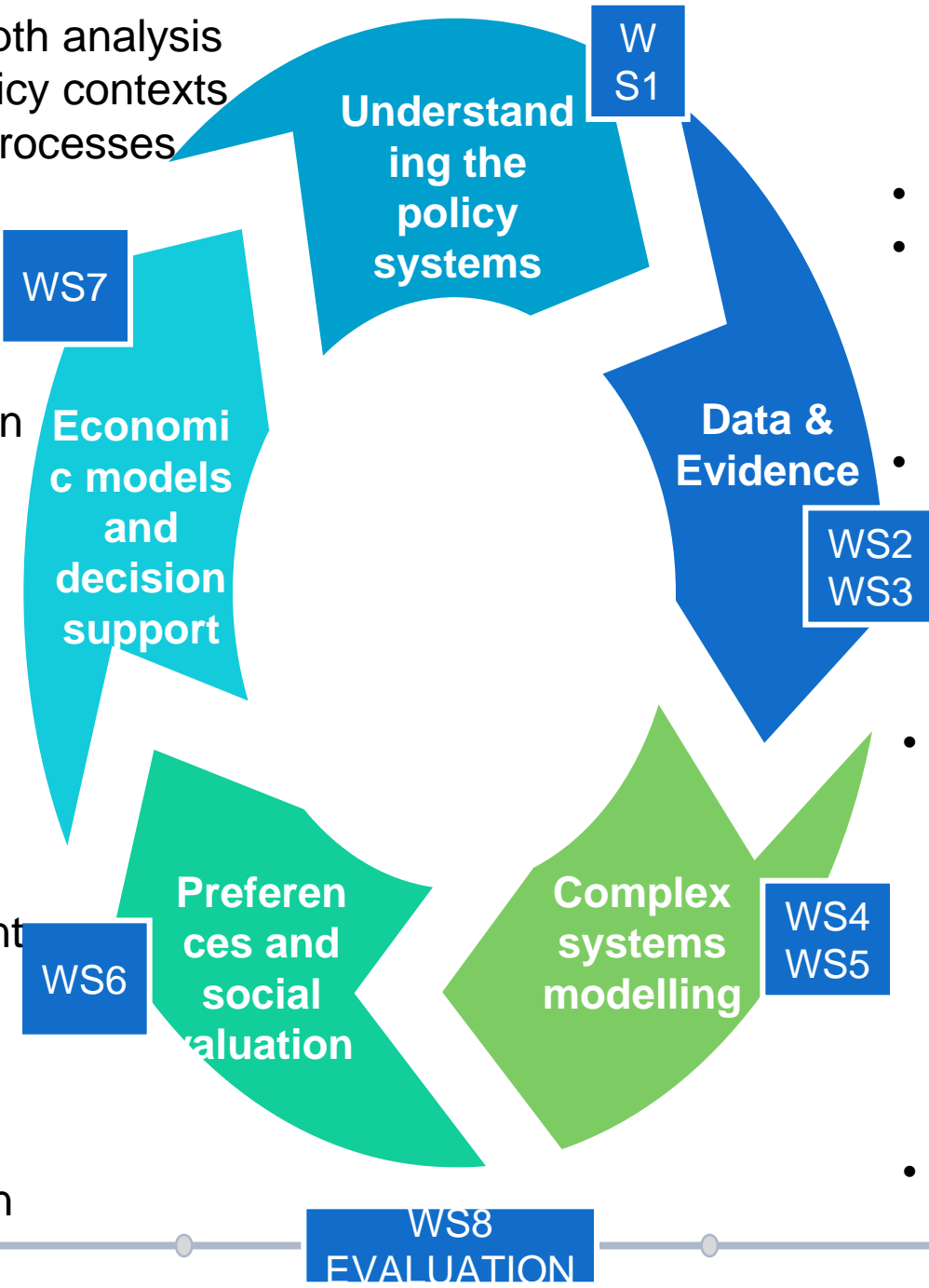


Jointly responsible for health gains & tackling inequalities



- In-depth analysis of policy contexts and processes

- Costs & benefits of alternative policy prioritisation across relevant outcomes
- Tools that visualise effect profiles over time
- Public and stakeholder values for different outcomes, e.g. more income vs more health vs more equitable wealth distribution



- Evidence reviews
- Integrated secure data infrastructure for system monitoring
- Simulated (synthetic) populations for 3 areas

- System dynamic modelling: causal links over time between “big concepts” – e.g. health, labour market, income, social security
- Policy microsimulation: distributional

# SIPHER's Impact & Timescales

## 5-year

New methods and tools in routine use by consortium partners

Evidence informs policy, early effects on social determinants of health

New partnerships (academia & policy)

## Beyond the 5-

**METHODS** used by researchers in UK & internationally

**TOOLS** used for budget decisions beyond partners

**EVIDENCE** drives policy action beyond partners

**Systems MONITORING** reduces costs and human suffering from failed policies

## Long-term vision for UKPRP Impact

Cost-effective prevention solutions delivered at scale

Decreased disease burden & health inequalities  
Increased productivity & more inclusive growth



# Who is involved?

## Directors

**Meier:** public health policy (Sheffield)

**Purshouse:** complexity, multi-criteria optimisation (Sheffield) Government

## Academic partners

**Bambra:** social inequalities & health (Newcastle)

**Bentall:** public mental health (Sheffield)

**Birkin:** data analytics (Leeds)

**Brazier:** wellbeing, quality of life measures (Sheffield)

**Brennan:** mathematical/decision modelling (Sheffield)

**Bryan:** labour economics (Sheffield)

**Goyder:** health behaviours, housing (Sheffield)

**Heppenstall:** geocomputation (Leeds)

**Holmes:** public health, childhood & youth (Sheffield)

**Kadirkamanathan:** complex systems (Sheffield)

**Lomax:** data science, dynamic microsimulation (Leeds)

**Lupton:** education, inclusive growth (Manchester)

**Paisley:** information specialist (Sheffield)

**Smith:** political science (Strathclyde)

**Stewart:** politics, public engagement (Edinburgh)

**Strong:** model uncertainty, value of information (Sheffield)

**Such:** NIHR Knowledge Mobilisation Fellow: HiAP (Sheffield)

**Tsuchiya:** health economics, inequality aversion (Sheffield)

**Watkins:** housing, planning, land economics (Sheffield)

## Policy Partners

**Bain/Ishaq:** Public Health Reform Programme, Scottish

Government

**Cox/Hann:** Heads of Research, Greater Manchester

Authority

**Fell/Brewins:** DPH/Public health intelligence, Sheffield

Council

## Management Team

**Gavens:** Consortium Manager (Sheffield)

**Stirr:** Consortium Administrator (Sheffield)

## Knowledge Transfer Partners

**Bellis,** Director: WHO Collaborating Centre for Invest

Health & Wellbeing, Public Health Wales

**Betts:** Chief Executive, Learn Sheffield (ACEs)

**Blunkett:** Chair, Sheffield City Partnership

**Craig:** Economics of Prevention lead, NHS Health Sc

**Reffellson:** Chief Economist, PHE

**Hannan:** Northern Health Sciences Alliance

**Peng:** Deputy Chief Executive, NICE

**McGee:** Head of Research Management, Turing Instit

**Ogden:** Senior Advisor, Local Government Associatio

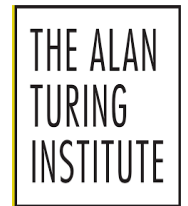
**Somerville:** Data Innovation Director, Edinburgh City



The University Of Sheffield.



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# Thanks to team & funders



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# A Vibrant Sheffield

Working together to build a Sheffield  
that works for everyone

Paul Houghton and Rob Turner

11 October 2019



“

**Gross national product does not allow for the health of our children, the quality of their education or the joy of their play. It does not include...the intelligence of our public debate or the integrity of our public officials. It measures neither our...wisdom nor our learning...it measures everything in short, except that which makes life worthwhile**

**Robert Kennedy, 18 March 1968**

”

“

**Even as the economy has grown, the people have worked hard, and not everyone feels that they've benefited. There's a real sense of anxiety...that the system isn't working...we're seeing divisions emerge throughout society. Between regions and communities, rich and poor, rural and urban, young and old...So we will develop a new economic plan for the years ahead...**

”

“

**...The economy isn't just about GDP...there are many broader tests that matter, too. Our children, are they growing up to be better off than their parents? Do hard work and talents matter more than where you are born?**

**Sajid Javid, 4 September 2019**

”

# A new way to measure success





## Prosperity

We have an economy that is **producing wealth** and **creating jobs**.



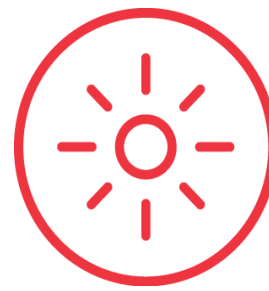
## Dynamism and opportunity

Our economy is **entrepreneurial and innovative**, with a **skill sets** that can drive future growth.



## Inclusion and equality

Everyone benefits from economic growth. The **gap between richest and poorest narrows**, regional disparities reduce, and there are **opportunities for all**.



## Health, wellbeing and happiness

People are **healthy and active**, leading **fulfilling lives** which provides individual prospects.



## Resilience and sustainability

Our economy has a **neutral impact on the natural environment** and our **built environments are resilient places we want to live in**.

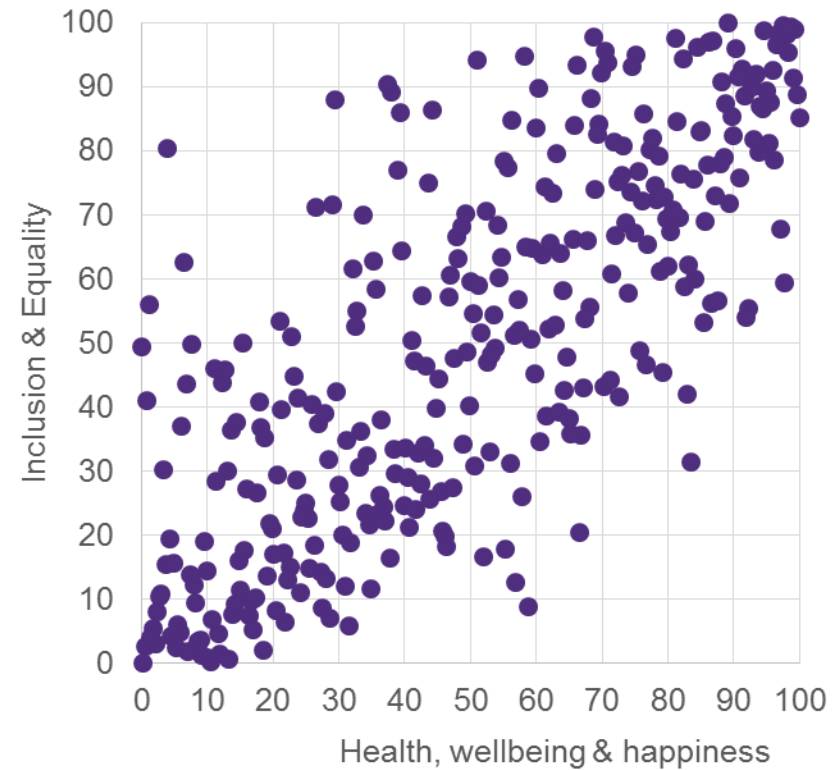
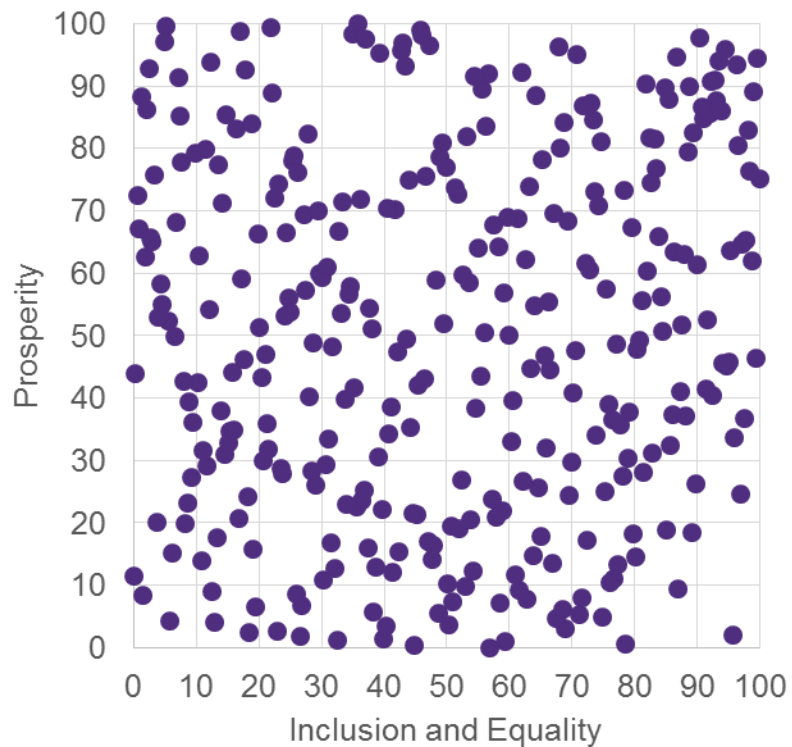


## Community, trust and belonging

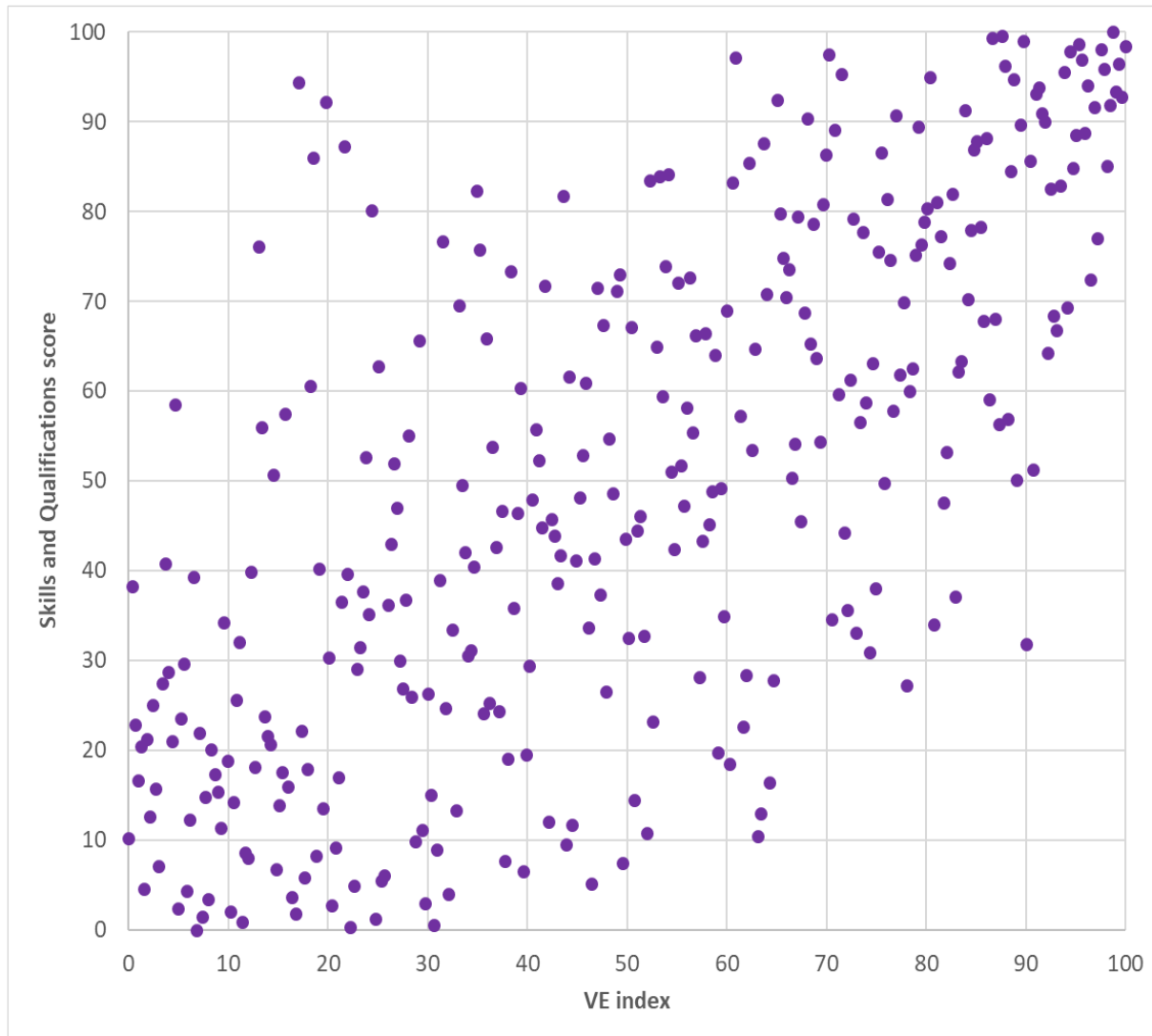
Vibrant communities have a **lively and creative cultural life**, and a **clear identity** that all its people are proud of. People **feel safe** and **engage in community activities** and **trust the integrity of businesses and institutions**.

# What does this measure tell us about places?

# A need to look beyond traditional economic measures of success



# The importance of skills

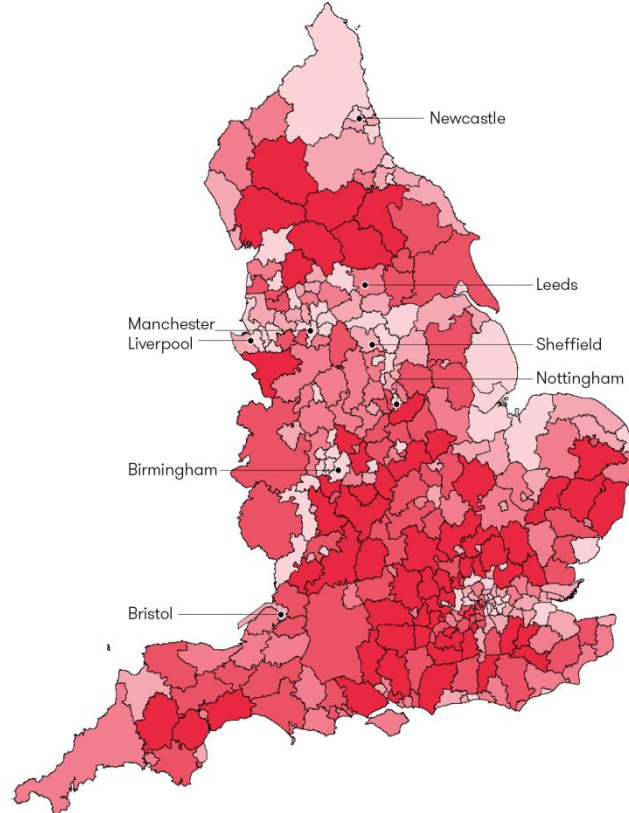
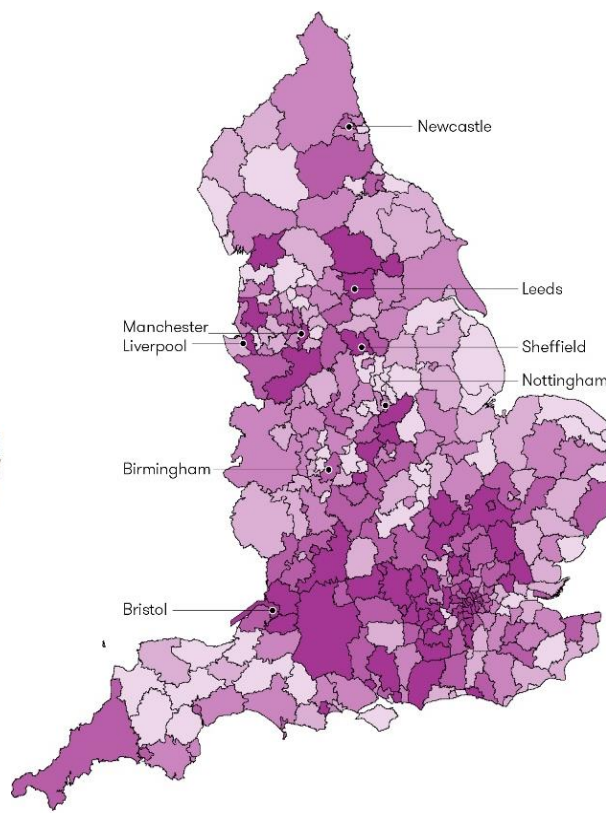
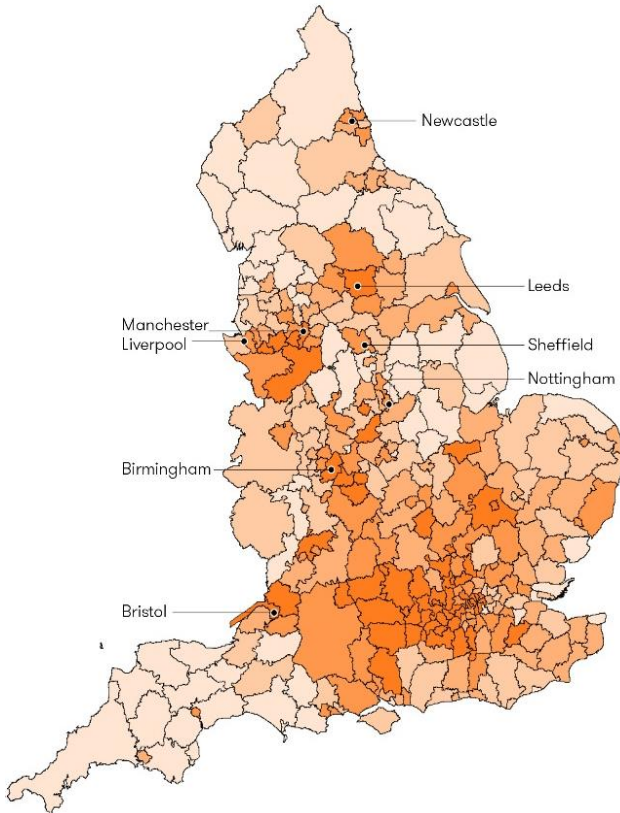


# The importance of connectivity

Very low  Very high

Very low  Very high

Very low  Very high



# What does this measure tell us about Sheffield?

# A dynamic economy with a real sense of opportunity, resilience and belonging

 Sheffield ranks **109 out of 324** local areas

 Sheffield has particular strengths in relation to **dynamism and opportunity**

**Ranks in the top 20 on employment in HE**

**44.1% of residents are qualified to NVQ 4 or above**

**52.4% of residents have knowledge occupations**

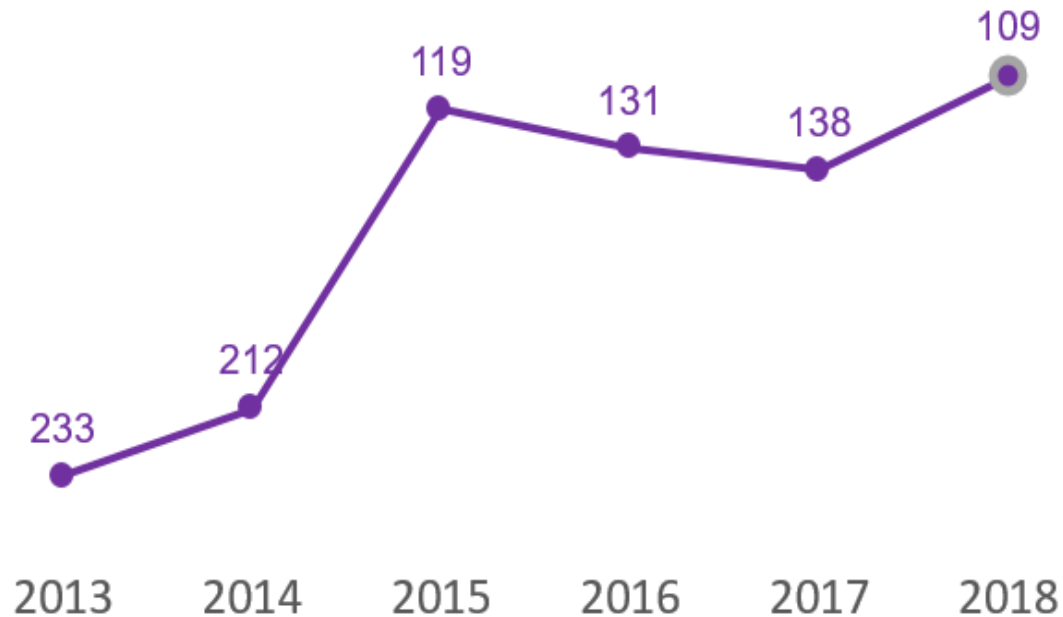
Sheffield ranks above average

for **Prosperity**  
  
**Community, Trust and Belonging**  


 **Resilience and Sustainability**

# A city that is changing

🏆 Between **2013 and 2018** Sheffield was the **most improved area** nationally



📈 Sheffield's rank improved by **124 places**



# A city that is competitive

	Vibrant Economy	Prosperity	Dynamism and opportunity	Inclusion and equality	Health, wellbeing and happiness	Resilience and sustainability	Community, trust and belonging
Bristol	Green	Green	Green	Red	Red	Green	Green
Leeds	Light Green	Green	Green	Red	Red	Green	Orange
<b>Sheffield</b>	Light Green	Light Green	Green	Red	Red	Green	Light Green
Newcastle	Light Green	Light Green	Green	Red	Red	Light Green	Light Green
Manchester	Orange	Green	Green	Red	Red	Green	Red
Liverpool	Orange	Light Green	Green	Red	Red	Light Green	Green
Nottingham	Red	Light Green	Green	Red	Red	Orange	Light Green
Birmingham	Red	Green	Light Green	Red	Red	Orange	Orange

# A continuing need to connect everyone to the City's success

 In terms of **Inclusion and Equality** Sheffield ranks in the **bottom 20% nationally**

**Top 20% most deprived areas nationally**

**18.9% of households claim housing benefits**

**Mean total income of £28,000**






 Also challenges around **Health, Wellbeing and**

**Happiness 289<sup>th</sup> out of 324 for life satisfaction**

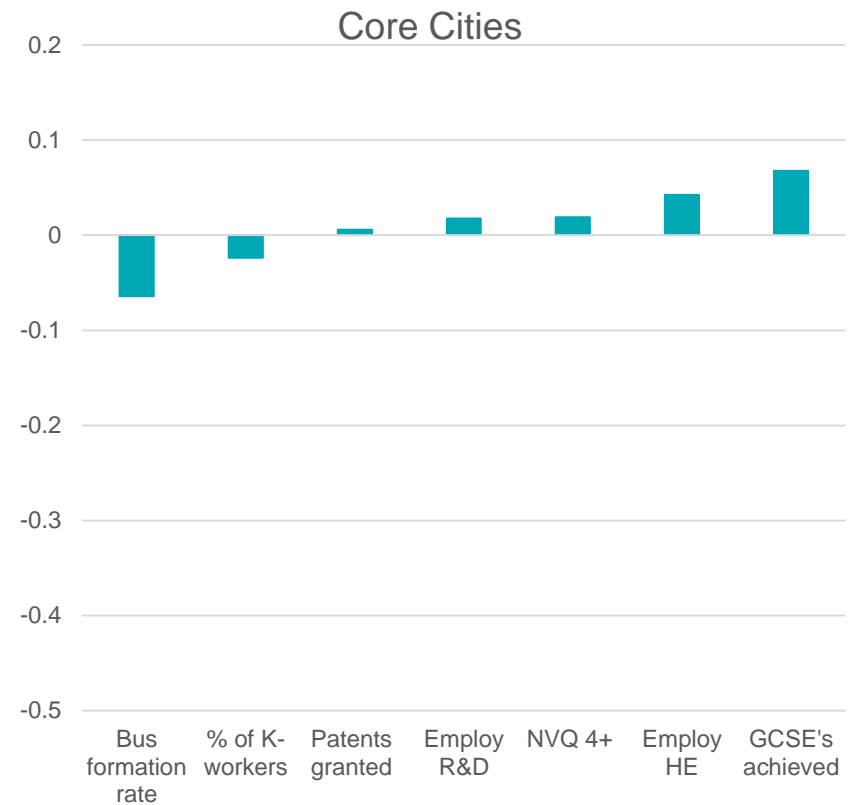
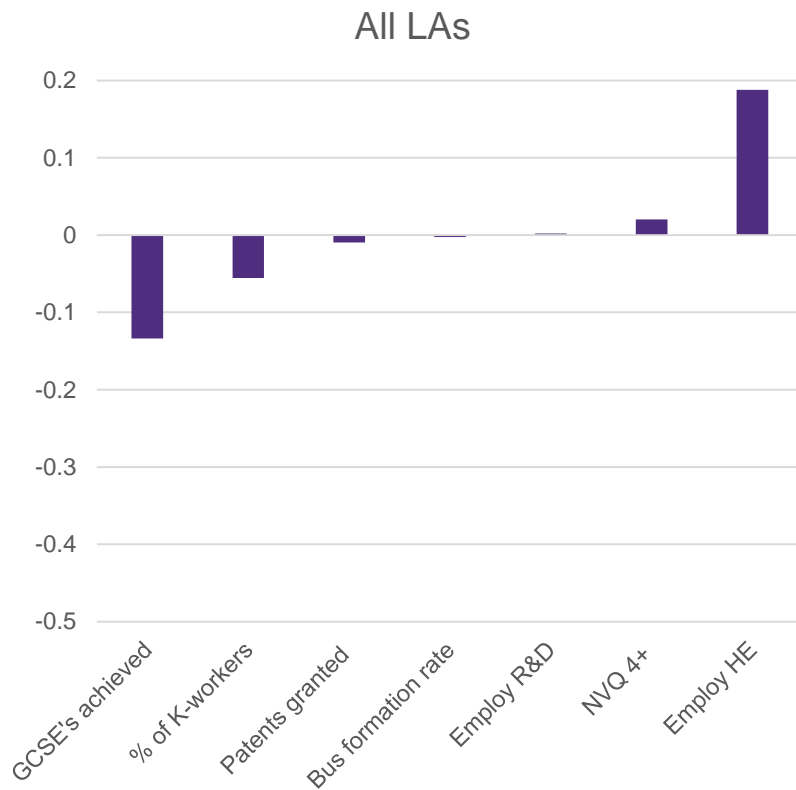
**21.1% of children in year 6 are obese**

**Average life expectancy of 80.8 years**

# What are the implications for business and society?

-  Underlines the importance of the **relationships between places** – particularly travel to work patterns
-  Highlights the **role of infrastructure** in connecting places and facilitating choice
-  Creating economic and societal change needs the **public, not for profit and business communities to work together** – creating a vibrant economy isn't simple
-  As local leaders it is vitally **important to understand the place in which we do business...**
-  ...Alongside understanding how **changing patterns, perceptions and practices in the workplace** will impact how we do business

# Understanding place and the core drivers of performance



# Changing patterns, perceptions and practices

The importance of **company culture**

The gravitational **pull of London**

The breadth and depth of the **gig economy**

The rise of **artificial intelligence**

Continual **disruption of**

