

Manchester
Biomedical Research Centre

NHS
*National Institute for
Health Research*



Manchester Biomedical Research Centre

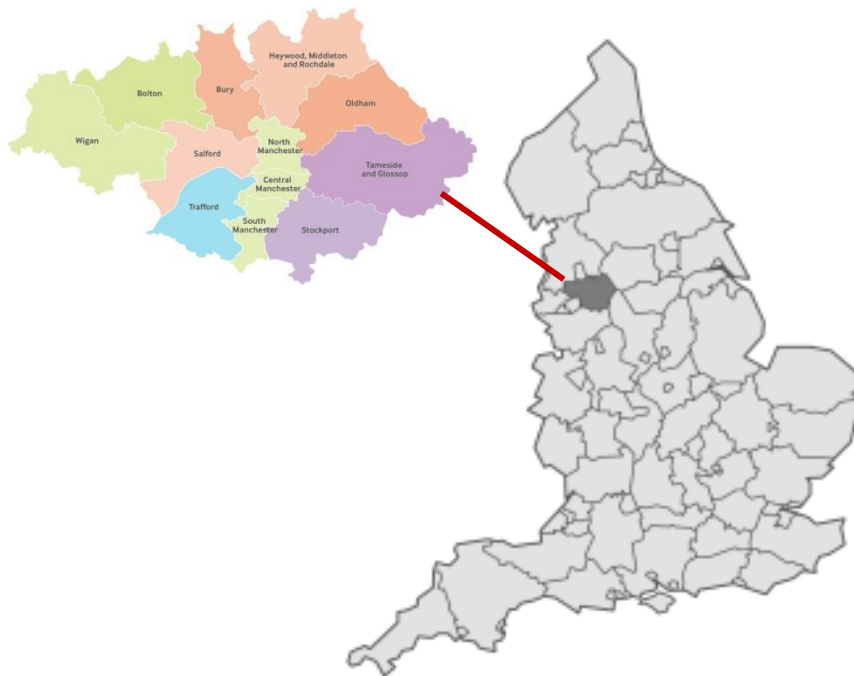
Professor Ian Bruce, BRC Director

Manchester Biomedical Research Centre *Delivering P4 Medicine*



Greater Manchester

A Devolved Health and Social Care System

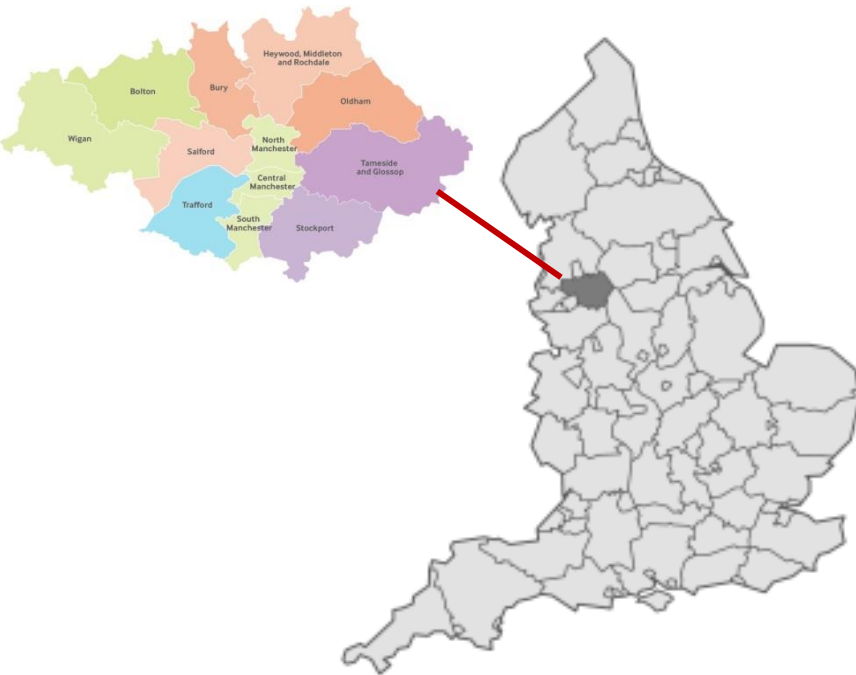


- 2nd largest UK conurbation
 - 3m ethnically diverse population
 - High levels of social deprivation
 - Poor health outcomes
- Integrated Health and Social Care budget (£6bn/annum)
 - Deliver rapid improvements in health and well-being
- Trust / University Partnership
 - Federated with three other NHS Trusts within MAHSC



Translational Research

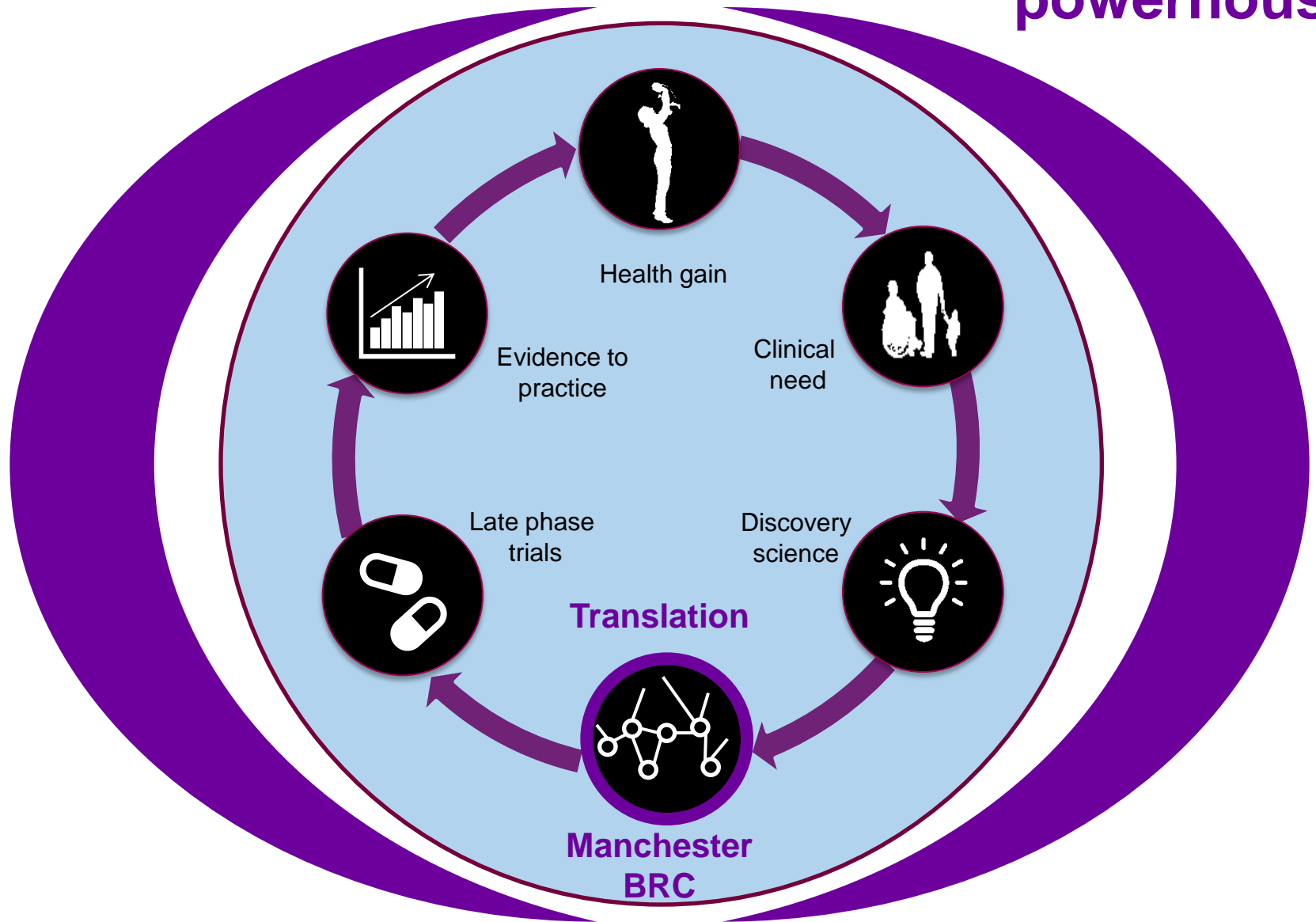
Accelerating Health Improvements



- Access to a defined population
 - Governance arrangements in place
- Drive innovations into healthcare at pace and scale
 - Exemplar for wider NHS
- An agile system
 - Influence NHS procurement



Translational research powerhouse



Greater Manchester Health and Social Care Partnership



Manchester BRC Vision

- Every patient will have a **personalised medicine approach** as part of routine clinical practice.
- Our ability to **rapidly translate** research will:
 - bring **major health benefits** to diverse populations
 - position us as the **partner of choice** for public, charity and industry collaborators

PREVENT

PREDICT

PERSONALISE

PARTICIPATE

P4 Medicine

Musculo-skeletal Disease

Anne Barton

Hearing Health

Kevin Munro

Respiratory Medicine

Jørgen Vestbo

Dermatology

Christopher Griffiths

Cancer Prevention & Early Detection

Gareth Evans

Advanced Radiotherapy

Catharine West

Cancer Precision Medicine

Caroline Dive

Biomarker Platforms

Anthony Whetton

Informatics and Data Sciences

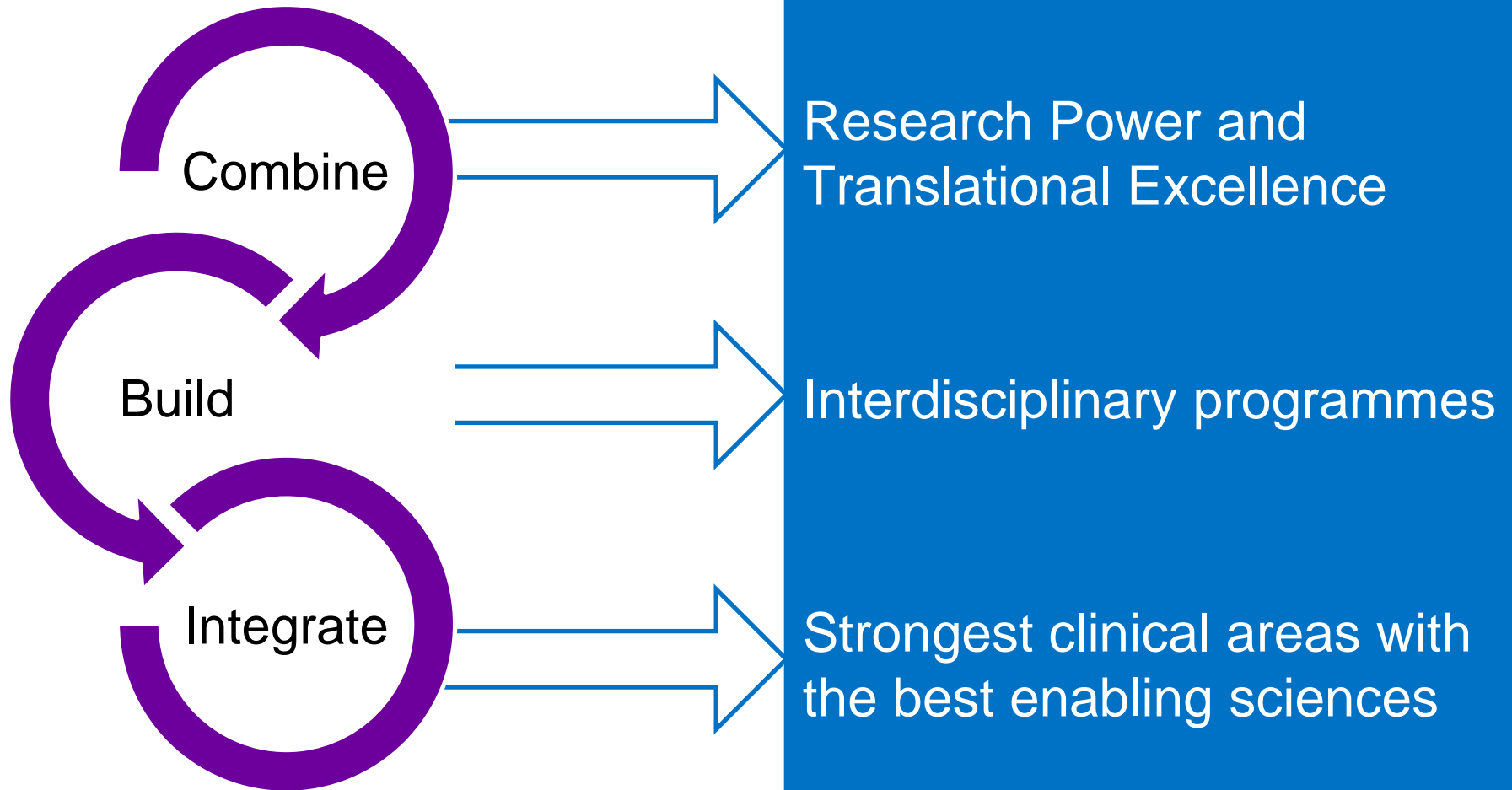
Iain Buchan

Rapid Translation Incubator

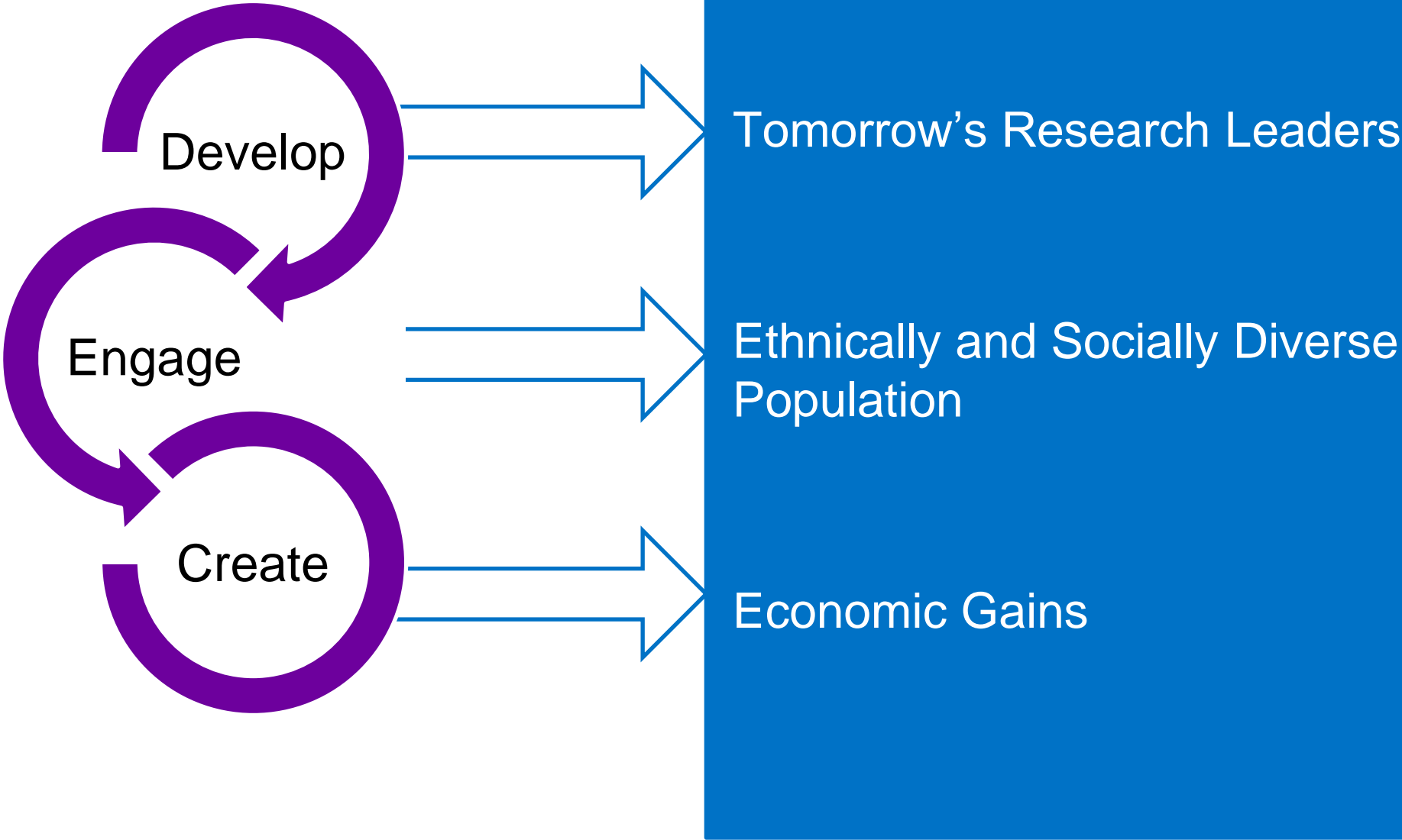
Jaclyn Smith

PPI/E
Capacity Building
Industry

Strategic plan



Strategic plan





Manchester BRC

- £28.5 million 2017-22
- Major Public Programmes investment
- Huge opportunities to develop
 - Cross theme projects
 - Later phase follow-on studies
 - Links to rapid adoption in GM and beyond
- Model for 2022 bid



Training

- Training the next generation of scientists and researchers across **all healthcare professions** is essential to build capacity and advance discoveries to improve health
- A shared priority with the Clinical Research Facility
- PhD / Fellowships
- MRes programme in Experimental Medicine
- Allied Health Professional Placements/Tasters in EM
- BRC Seminar Programme



BRC Seminar Programme

Capacity Development

- Provide transferable skills training
- Raise awareness of the breadth of BRC activity
- Provide bespoke training and discussion fora for research support staff

Outcomes:

- Instill a sense of identity, collegiality and common purpose amongst BRC staff
- Broaden knowledge of EM and enhance research skills

PREVENT

PREDICT

PERSONALISE

PARTICIPATE

Patient and Public Involvement and Engagement

PPIE connects people with research for mutual benefit

Strategic focus areas include:

- Involving our diverse communities with research
- Innovating with creative arts
- Contributing to the PPIE evidence base
- Building capacity for PPIE





Patient and Public Involvement and Engagement

“PPI/E will be an integral part of every MBRC research project”

N Rothwell

Our vision is a unified approach delivering exemplary PPI/E
across GM

PPI/E will be at the centre of everything we do



Patient and Public Involvement and Engagement

- Working with patients, carers, publics, community groups, researchers and health professionals, we will:
 - share best practice and resources towards a growing knowledge capital, continuous cycle of improvement, and best value for money
- Our **priority is to reduce health inequality** through
 - long-term community-led engagement
 - Improving demographically-representative participation
 - furthering understanding of the relationship between PPI/E and participation



**Population
Benefit**

**Wider
Economic Gain**

Greater Manchester Health and
Social Care Partnership

Health Innovation
Manchester

Manchester
Academic Health
Science Centre

Manchester BRC



**Research
Power**

**Translational
Excellence**

