



Connected Bradford

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Connected Bradford



**One aim:
Population Health Management**

-
to improve the health and wellbeing
of patients across the Bradford & Airedale region



Data Tapestry





Data Linkages

Secondary Care

SUS data and Electronic Patient Record
18.2M pharmacy orders, 6.6M medicines administered,
1.6M registrations, 675K outpatient visits

Connected Bradford

700,000 pseudonymised routine linked records.
1° Care, Social Care, Education, Police

Geospatial data:

Air pollution, green space, connectivity, walkability, public transport, fast food outlets, crime

**Born in
Bradford**

30,000

Participants

- health
- education
- diet, physical activity, wellbeing
- **metabolomics**
- **proteomics**
- **genomics**

Growing Up

20,000

Participants

- cognition
- motor skills
- literacy
- physical activity
- **genomics**
- **biomarkers**

**Born in Bradford
Better Start**

15,000

Participants

- health
- dental health
- education
- social care
- children's centres
- voluntary sector

**Bradford Genes and
Health**

20,000

Participants

- health
- education
- social care
- **genomics**

BiB4ALL

20,000

Participants

- health
- dental health
- education
- social care
- children's centres
- voluntary sector

Tower Hamlets Whole Systems Data Project (WSDP)

ActEarly launch workshop

Saltaire, 26 September 2019

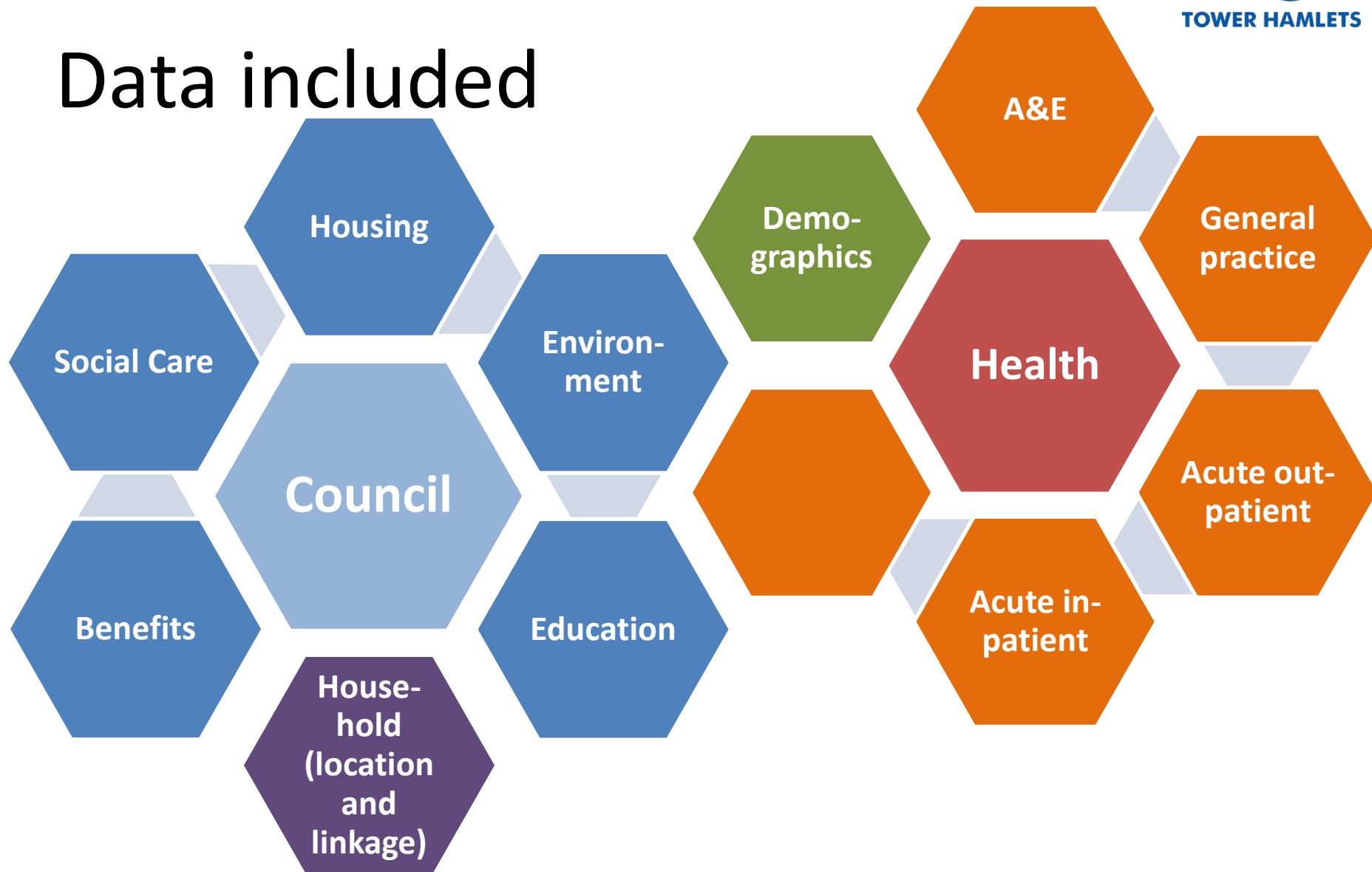
Somen Banerjee

Background

- Origin in THT Vanguard: WSDP instigated by THT board; interest in investigating service provision and population need.
- Project aimed to inform resource allocation to provide improved and preventative services; and new models of care
- Novel project in its scope – particularly range of LA data.
- To date, completion of ‘proof of concept’ i.e. linkage of one year’s data.
- Key partners: QMUL (data controllers of linked data); THT partners; UCL Institute of Health Equity.



Data included



Project progress

- Currently undertaking ‘proof of concept’ i.e. linkage of one year’s (2018) data.
- Data linked, depersonalised and analysed in secure environment at QMUL
 - ‘Zone 1’ = linkage of identifiable data;
 - ‘Zone 2’ = analysis of pseudonymised, individual-level data; individual-level analysis and creation of matrices
 - Post-zone 2 = aggregated data matrices that can be interrogated
- Outputs to date:
 - Individual-level analysis of dataset
 - Four posters presented at PHE conference: – e.g. associations of housing factors with depression; or health service usage implications of multi-morbidities.

Key Learnings and Next Steps

- Learnings
 - Section 251 approvals via CAG (due to inclusion of identifiable data) – complex process
 - Busy ‘scene’ – many data linkage projects in East London
 - Gaining data after approved – e.g. SUS data only for 2 years
 - Some data not available (Mental Health, Community providers)
- Next steps:
 - How to develop best analytical strategy for rich dataset
 - Communicate key findings, show utility (in Council)
 - Publish Summary Report
 - Develop platform to allow user access
 - Identify future of WSDP