



Office for Health
Improvement
& Disparities

Housing and Health Power Bi dashboard

Healthy Homes In All Our Strategy and Policy Webinar

10th February 2022

Health intelligence approach

- Bring together data from a range of different sources
- Select relevant indicators
- Bring in evidence from reports, studies
- Present as meaningful themes
- Choose a format



Benefits of PowerBI

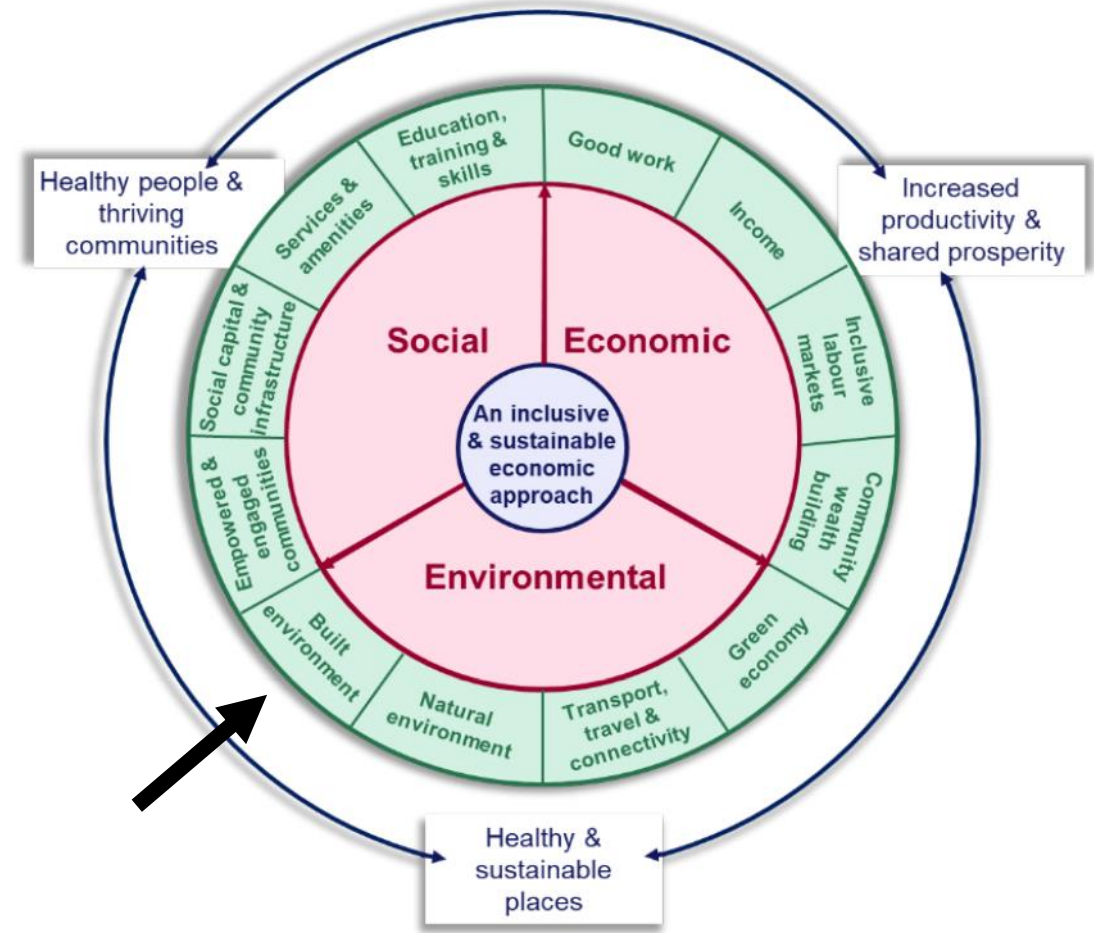
- Data can automatically be updated using R software to refresh the PBI tool
- Interactive, enables the use of different geographies
- Can combine data and evidence
- Can include different visuals



Inclusive sustainable economies framework and domains

- Document sets out a 6-step plan and 9 recommendations for local partners to implement a place-based action for an inclusive and sustainable economy to reduce health inequalities
- Accompanying data catalogue outlining indicators to benchmark and measure performance
- Dashboard sits within “Built environment” and includes indicators suggested to assess priorities and evaluate progress within this sub-domain.

Figure 1. Framework to support planning and action on inclusive and sustainable economies



Public Health England (2021). Inclusive and sustainable economies: leaving no one behind.

Proposal

- 1) To create PBI dashboard for NE and Y&H
- 2) To include different geographies depending on indicator (e.g. LA, ICS)
- 3) Divide into sections grouping indicators and data together in distinct themes
- 4) Data primarily from Fingertips but also other sources e.g. Nomis, WICH, ONS etc.



1) Context: Housing in the Region

- Overview
- Affordability
- Vulnerable groups

2) Conditions and illnesses associated with poor housing

- Respiratory
- Injury
- Cold homes
- Mental health

3) Homelessness

Inequalities



Covid-19 impact



NB: Full list of indicators by domain in appendix

Slicers and tooltips

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Area Name
Bradford

CAVEATS:
How is household defined?
Census data.
These stats come from downloads. Therefore more difficult to automate

Data of those living in temporary accommodation e.g. hostels. Asylum seekers/refugees - although this may border on a dashboard in itself.

Households by accommodation type.

Accommodation Type	Households
Total Households	199296
Whole House/Bungalow	168499
Flat/Maisonette/Apartment	29465
Shared Dwellings	860
Caravan/Mobile/Temporary structure	472

Persons living in a caravan/mobile or temporary structure.

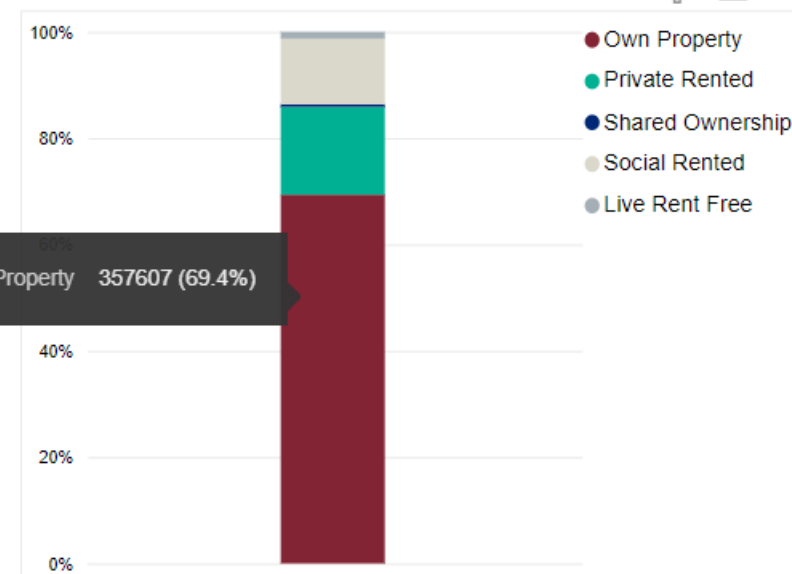
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Housing Overview

Percentage of addresses with access to a private outdoor space.

87.30%

Percentage of persons living in each tenure type



Sources: (1) Census (2011). Office for National Statistics. [2011 Census - Official Labour Market Statistics \(nomisweb.co.uk\)](https://www.nomisweb.co.uk/) (2) Private outdoor space reference tables (2020). Office for National Statistics. [Access to gardens and public green space in Great Britain - Office for National Statistics \(ons.gov.uk\)](https://www.ons.gov.uk/).

Housing in Our Region Vulnerable groups

Area Name

Bradford

CAVEAT:

Overcrowded households is calculated from census data. Date 2011. Update due soon.

Low income, low energy efficiency methodology replaced the low income high cost model in 2021. "A household is considered fuel poor if they are living in a property with a fuel poverty energy efficiency rating D or below and when they spend the required amount to heat their home, they are left with a residual income below the official poverty line".

Payment is aligned to the pension age so the eligibility age will keep



Click here for snapshot

Households in fuel poverty

| 2019

The Fuel poverty (low income, high cost methodology) in Bradford, is 12, which is not compared when compared to the England average.

Adults in contact with secondary mental health services who live in stable and appropriate accommodation

| 2020/21

The Adults in contact with secondary mental health services who live in stable and appropriate accommodation in Bradford, is 77, which is better when compared to the England average.

Percentage of households aged 65+ receiving winter fuel payments

| 2019/20

The Percentage of people aged 65+ receiving winter fuel payments in Bradford, is 95, which is better when compared to the England average.

Overcrowded households

| 2011

The Overcrowded households in Bradford, is 6, which is worse when compared to the England average.

Adults with a learning disability who live in stable and appropriate accommodation

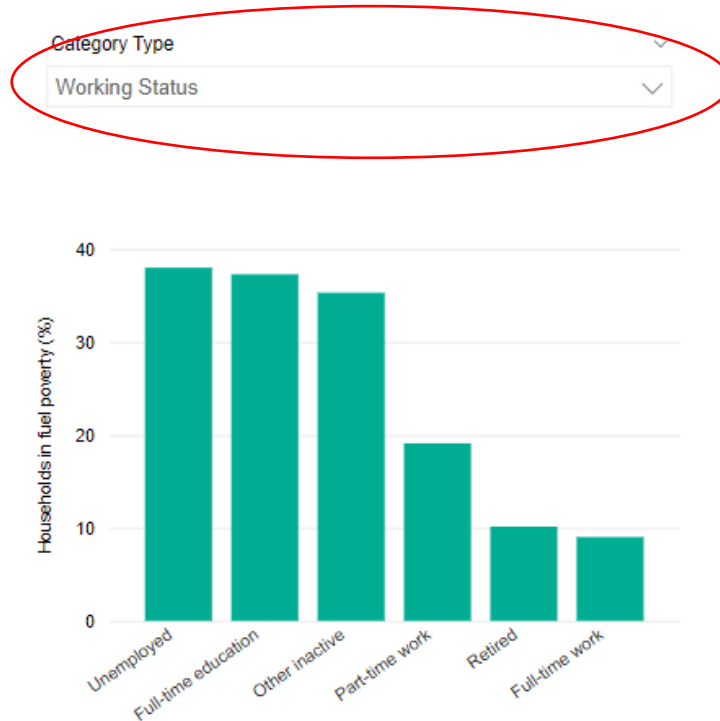
| 2020/21

The Adults with a learning disability who live in stable and appropriate accommodation in Bradford, is 90, which is better when compared to the England average.

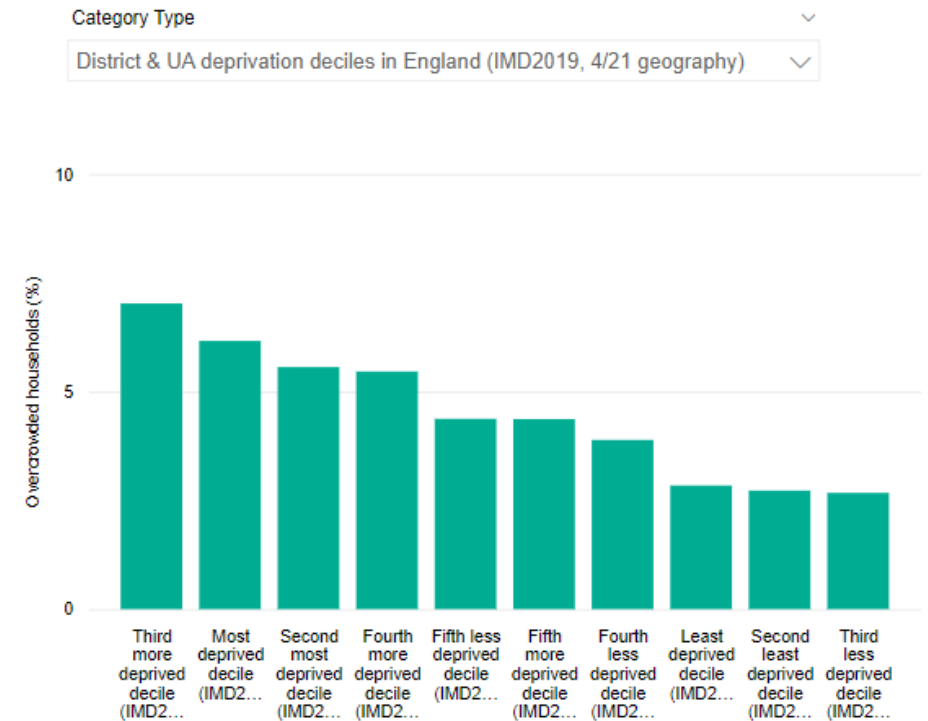
Sources: Office for Health Improvement & Disparities. Public Health Profiles. 2021. <https://fingertips.phe.org.uk> © Crown copyright 2021

Trends and national inequalities

Households in Fuel Poverty



Overcrowded Households

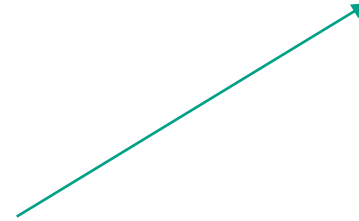


Sources: Office for Health Improvement & Disparities. Public Health Profiles. 2021. <https://fingertips.phe.org.uk> © Crown copyright 2021

Next steps

Phase I

- To be completed by the end of March
- Complete remaining sections of the dashboard
- Review by stakeholders



Phase II

- ICS geographies

- Insert “recent trend” arrows
- Colour code national inequalities compared to England
- General health of population and population pyramid
- Address data gaps:
 - Hazards
 - Temporary accommodation
 - Working from home

Please get in touch with any feedback
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Appendix - Indicators

Housing Overview

- Households by accommodation type
- Persons living in a caravan/mobile or temporary structure
- Percentage of addresses with access to a private outdoor space
- Percentage of persons living in each tenure type

Affordability

- Affordability of home ownership
- Average weekly earnings
- Average monthly rent
- Average house price
- Mortgage repayment affordability

Vulnerable Groups

- Households in fuel poverty
- Percentage of households aged 65+ receiving winter fuel payments
- Overcrowded households
- Adults in contact with secondary mental health services who live in stable and appropriate accommodation
- Adults with a learning disability who live in stable and appropriate accommodation

Illness related to poor housing

- Admissions for asthma for children aged 0 - 9
- Admissions for asthma for children aged 10 - 18
- Hospital admissions for asthma (under 19 years)
- Emergency hospital admissions for asthma in adults (aged 19 years and over)
- Emergency hospital admissions for pneumonia
- Emergency hospital admissions for respiratory disease
- Emergency hospital admissions for COPD
- Emergency hospital admissions due to falls in people aged 65 and over
- Emergency hospital admissions due to falls in people aged 65 – 79
- Emergency hospital admissions due to falls in people aged 80+
- Emergency hospital admissions due to falls from furniture (aged 0 - 4)
- Hospital admissions caused by unintentional and deliberate injuries in children (aged 0 - 4)
- Hospital admissions caused by unintentional and deliberate injuries in children (aged 0 - 14)
- Hospital admissions caused by unintentional and deliberate injuries in young people (15 - 24)
- Hypertension: QOF prevalence (all ages)
- Self-reported wellbeing - people with a low satisfaction score
- Self-reported wellbeing - people with a low wellbeing score
- Self-reported wellbeing - people with a low happiness score
- Self-reported wellbeing - people with a high anxiety score

- Excess winter deaths
- Under 75 mortality rate from respiratory disease (Persons, 1 year)
- Under75 mortality rate from respiratory disease considered preventable (1 year)
- Under75 mortality rate from respiratory disease considered preventable (3 year)
- Mortality rate from respiratory disease, ages 65+
- Excess winter deaths index (age 85+)
- Under 75 mortality rate from all cardiovascular diseases (Persons, 1 year)
- Under 75 mortality rate from cardiovascular diseases considered preventable (2019 definition) (1 year range)
- Under 75 mortality rate from cardiovascular diseases considered preventable (2019 definition) (3 year range)
- Mortality rate from all cardiovascular diseases, ages 65+
- Mortality rate from a range of specified communicable diseases, including influenza

Homelessness

- Households owed a duty under the homelessness reduction act.
- Households owed a duty where main applicant is 16 - 24.
- Households owed a duty with dependent children.
- Households owed a duty where main applicant is 55+
- Households living in temporary accommodation

