

# Birmingham Health and Wellbeing Strategy Indicator Dashboard – Power BI Guidance

Public Health Governance Team

## Document Information

Owner: Public Health Governance Team

Author: Aidan Hall

Document Version: V2.0

Document Status: Final

Last Update: 10-11-2022

Version	Date	Summary of Changes	Author
1.0	04-10-2022	First draft	Aidan Hall
2.0	10-11-2022	Final draft using publicly available dashboard	Aidan Hall

For queries, please get in touch with [hwstrategy@birmingham.gov.uk](mailto:hwstrategy@birmingham.gov.uk)

## Contents

1. Purpose .....	3
2. Introduction .....	3
3. Page Navigation.....	4
3.1. Report Page 1: Home .....	4
3.2. Report Page 2: Thematic Indicators .....	5
3.3. Report Page 3: Headline Indicators.....	6
3.4. Report Page 4: Ambitions .....	7
3.5. Report Page 5: Further Information.....	8
4. Additional information and links.....	9

## 1. Purpose

This document aims to provide guidance for using the Birmingham Health and Wellbeing Strategy Indicator Report: [Microsoft Power BI](#)

## 2. Introduction

Power BI is an online tool that allows users to connect to various data sources and visualise data. A Power BI report is a multi-perspective view of a dataset, with visuals representing different findings and insights.

Power BI has been used to display the Health and Wellbeing Strategy indicators to monitor progress and measure impact. The dashboard is divided into the strategy's themes and uses data from various sources. The Power BI report aims to support the Health and Wellbeing Board and its partners in making decisions and understanding the population's health and care needs.

The data can be filtered, sliced, and viewed in different ways to explore and interact with the report. The use of filters and slicers will not affect the underlying dataset or the originally shared content. The following section outlines how to navigate the report and generate insights.

The dashboard will be available to view on the Birmingham City Council website: [Health and Wellbeing Strategy | Birmingham City Council](#).

### 3. Page Navigation

#### 3.1. Report Page 1: Home

The Power BI report has six pages (or tabs), starting with the Home page. On this page there are several buttons, a visual and a title.

**BIRMINGHAM JOINT HEALTH AND WELLBEING STRATEGY**  
CREATING A BOLDER, HEALTHIER CITY 2022-2030

Get in touch! We would like your feedback. Please email your comments and ideas to: [hwstrategy@birmingham.gov.uk](mailto:hwstrategy@birmingham.gov.uk)

**Recent Updates slicer**  
Choose dates: Last 60 Days  
12/09/2022 - 10/11/2022

Indicator	Theme	Date updated
Average anxiety rating (0-10: 0 'not at all anxious, 10 'completely anxious)	Theme 2: Mental Wellness and Balance	02 November 2022
Average happiness rating (0-10: 0 'not happy at all, 10 'completely happy')	Theme 2: Mental Wellness and Balance	02 November 2022
Average life satisfaction rating (0-10: 0 'not at all satisfied', 10 'completely satisfied')	Theme 2: Mental Wellness and Balance	02 November 2022
Average worthwhile rating (0-10: 0 'not at all worthwhile', 10 'completely worthwhile')	Theme 2: Mental Wellness and Balance	02 November 2022
Proportion of adults who have a high self-reported life satisfaction score	Theme 2: Mental Wellness and Balance	02 November 2022
Carer-reported quality of life score	Life Course: Ageing and Dying Well	24 October 2022
MMR for two doses (5 years old)	Theme 5: Protect and	06 October 2022

**Button** (points to the 'Closing the gap' central button)

**Image** (points to the circular strategy diagram)

**Thematic Indicators**  
**Headline Indicators (Life Expectancy)**  
**Ambitions**  
**Definitions**  
**Strategy**

**Slicer**  
Slicers are a way of filtering. They narrow the portion of the dataset that is shown. Amend this slicer to see recently updated indicators (e.g. in the last 60 days).

**Visual**  
This visual is a table which shows recently updated indicators, their theme and the date they were updated.

**Page navigation**  
Navigate through the report using this option.

**Zoom in or out**  
**Share report**  
**See the report in full screen**

Microsoft Power BI

### 3.2. Report Page 2: Thematic Indicators

This page contains all thematic indicators. Users can select the theme and indicator to see the latest data, trend data and find more information.

**Slicers**

Select the theme by clicking on the arrow and choosing an option from the dropdown – 1. *Select theme*. Once a theme is selected, the title of the page will change. Select the indicator by clicking on the arrow and choosing an option from the dropdown – 2. *Select indicator*. Only one theme and indicator can be selected at a time.

Slicers are a way of filtering. They narrow the portion of the dataset that is shown.

**Buttons**

Home Back More information



## Theme 1: Healthy and Affordable Food



1. Select theme  
 Theme 1: Healthy and Affordable Food

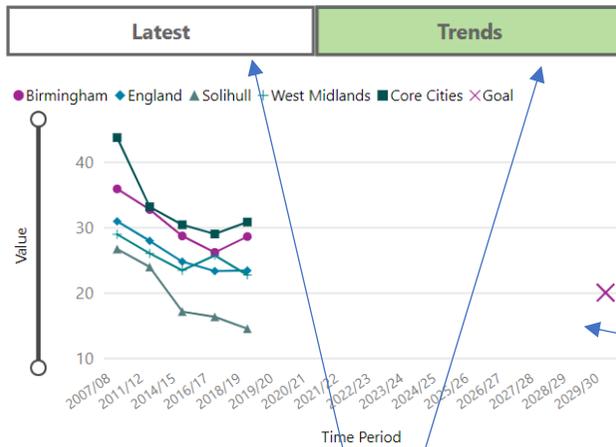
2. Select indicator  
 Percentage of 5 year olds with experience of dental decay (Persons, 5 yrs)

**Ambition**

Reduce the % of 5yr olds with experience of dental decay to below 20% by 2030

**Visuals**

<p><b>Birmingham</b> 2018/19</p> <p><b>28.6</b></p> <p>Desired direction <b>2030 Goal</b></p> <p><b>Decrease 20.0</b></p> <p>Date Updated <b>13 October 2020</b></p> <p>Data Source</p> <p>Lead Agency</p>	<p><b>England</b> 2018/19</p> <p><b>23.4</b></p> <p><b>Solihull</b> 2018/19</p> <p><b>14.5</b></p> <p>Frequency Biennial</p> <p>Unit %</p> <p>What does this mean?</p> <p>Why is this important?</p>	<p><b>Core Cities</b> 2018/19</p> <p><b>30.8</b></p> <p><b>West Midlands</b> 2018/19</p> <p><b>22.7</b></p>
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------



**Focus mode**

Zoom in on a visual by selecting the focus mode icon. When selected, the visual expands to fill the entire report canvas.

**Filter icon**

View the filters applied to a specific visual by hovering over the filter icon.

**Visual**

View datapoints by hovering over a part of the visual. This visual shows the latest available data for Birmingham for a particular indicator with comparisons to Solihull, England, West Midlands and the Core Cities.

**Buttons**

**Buttons**

### 3.3. Report Page 3: Headline Indicators

This page contains the headline indicators. Users can select the headline indicator, sex and time period range (1 year or 3 years) to see the latest data, trend data and find more information.

**Buttons**

Home Back More information

**Slicers**

Select the indicator, sex and range to filter the data. Only one indicator, sex and range can be selected at a time.

Slicers are a way of filtering. They narrow the portion of the dataset that is shown.

**Headline Indicators: Life Expectancy**

Within each of the strategic themes there are a matrix of indicators developed for reporting to the Health and Wellbeing Board. These sit alongside other longer term and overarching indicators that will change over multiple years. Although these indicators will take years to change, they are a good indicators of the strategy's impact over the next five to ten years. This page includes six headline metrics on the life expectancy, healthy life expectancy and inequality of life expectancy.

1. Select indicator

2. Select sex

3. Select range

Life expectancy at birth | Life expectancy at 65 | Inequality in life expectancy at birth | Inequality in life expectancy at 65 | Healthy life expectancy at birth | Healthy life expectancy at 65

Female | Male

1y | 3y

**Visuals**

**Birmingham**  
2018 - 20  
**81.8**  
Desired direction of travel  
**Increase**

**England**  
2018 - 20  
**83.1**

**Solihull**  
2018 - 20  
**84.0**

**Core Cities**  
2018 - 20  
**81.4**

**West Midlands**  
2018 - 20  
**82.5**

**Latest** | **Trends**

Year	Birmingham	England	Solihull	West Midlands	Core Cities
2009	81.8	82.8	84.2	82.5	81.5
2010	82.0	82.9	84.3	82.6	81.6
2011	82.1	83.0	84.4	82.7	81.7
2012	82.0	83.0	84.3	82.7	81.7
2013	82.0	83.0	84.3	82.7	81.7
2014	82.0	83.0	84.3	82.7	81.7
2015	82.0	83.0	84.3	82.7	81.7
2016	82.1	83.1	84.4	82.8	81.8
2017	82.3	83.2	84.5	82.9	81.9
2018	81.8	83.1	84.4	82.8	81.8
2019	81.8	83.1	84.4	82.8	81.8
2020	81.8	83.1	84.4	82.8	81.8

Date Updated  
**12 January 2022**

**Data Source**

**Lead Agency**

Frequency  
The data will be updated annually.

**What does this mean?**

**Why is this important?**

**Focus mode**

Zoom in on a visual by selecting the focus mode icon. When selected, the visual expands to fill the entire report canvas.

**Filter icon**

View the filters applied to a specific visual by hovering over the filter icon.

**Visual**

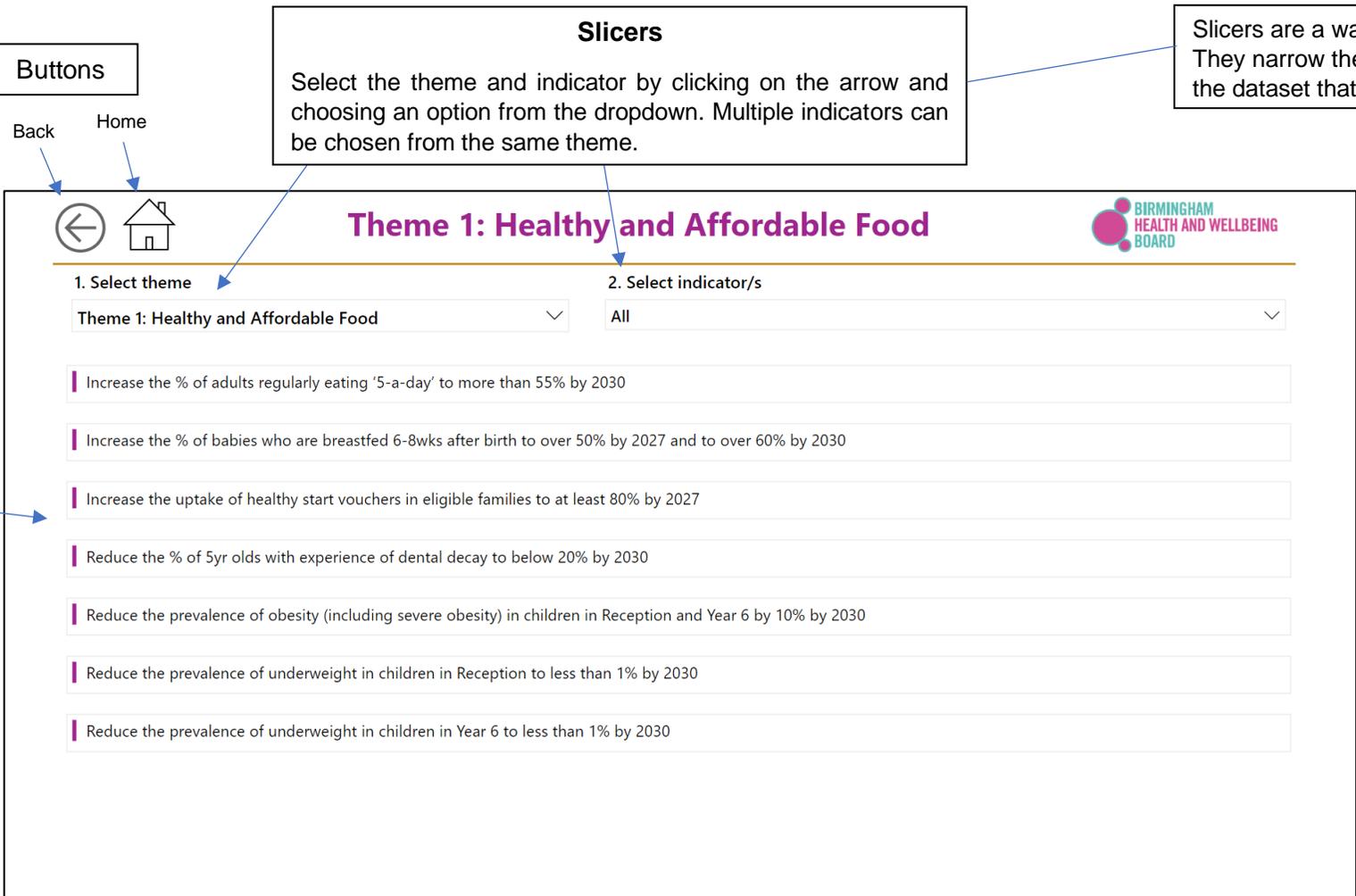
View datapoints by hovering over a part of the visual. This visual shows the trend data for Birmingham for a particular indicator with comparisons to Solihull, England, West Midlands and the Core Cities.

**Buttons**

< 3 of 6 >

### 3.4. Report Page 4: Ambitions

This page displays the strategic ambitions (for 2030) for selected indicators in a theme.



**Buttons**

Back Home

**Slicers**

Select the theme and indicator by clicking on the arrow and choosing an option from the dropdown. Multiple indicators can be chosen from the same theme.

Slicers are a way of filtering. They narrow the portion of the dataset that is shown.

**Visual**

This visual displays all strategic ambitions for the chosen theme and indicator/s.

**Theme 1: Healthy and Affordable Food**

1. Select theme  
Theme 1: Healthy and Affordable Food

2. Select indicator/s  
All

- Increase the % of adults regularly eating '5-a-day' to more than 55% by 2030
- Increase the % of babies who are breastfed 6-8wks after birth to over 50% by 2027 and to over 60% by 2030
- Increase the uptake of healthy start vouchers in eligible families to at least 80% by 2027
- Reduce the % of 5yr olds with experience of dental decay to below 20% by 2030
- Reduce the prevalence of obesity (including severe obesity) in children in Reception and Year 6 by 10% by 2030
- Reduce the prevalence of underweight in children in Reception to less than 1% by 2030
- Reduce the prevalence of underweight in children in Year 6 to less than 1% by 2030

### 3.5. Report Page 5: Further Information

This page displays further information on selected indicators in a theme. It includes the indicator's definition, source and when it was updated.

Buttons

**Slicers**

Select the theme and indicator by clicking on the arrow and choosing an option from the dropdown. Multiple indicators can be chosen from the same theme.

Slicers are a way of filtering. They narrow the portion of the dataset that is shown.

Back
Home

## Theme 1: Healthy and Affordable Food

**1. Select theme**

Theme 1: Healthy and Affordable Food
▼

**2. Select indicator/s**

All
▼

Indicator	Definition	Date updated	Frequency	Desired direction of travel	Data Source	Lead Agency	Organisation Source
Breastfeeding prevalence at 6-8 weeks after birth - current method	Totally breastfed infants are exclusively receiving breast milk at 6-8 weeks of age. Partially breastfed infants are currently receiving breast milk at 6-8 weeks and who are also receiving formula milk or any other liquids or food.	19 October 2021	Annual	Increase	Fingertips/ BCC local data	Creating a Healthy Food City Forum	PHE's interim reporting of health visiting metrics
Percentage of 5 year olds with experience of dental decay (Persons, 5 yrs)	Percentage of 5 year olds with dental decay extending to the dentine layer which can be detected by visual observation alone	13 October 2020	Biennial	Decrease	Fingertips	Creating a Healthy Food City Forum	Dental Public Health Epidemiology Programme for England: oral health survey of five-year-old children
Proportion of the population meeting the recommended '5-a-day' on a 'usual day' (adults) (Persons, 16+ yrs)	Proportion of the population who, when surveyed, reported that they had eaten the recommended 5 portions of fruit and vegetables on a usual day	14 April 2022	Annual	Increase	Fingertips	Creating a Healthy Food City Forum	Public Health England (based on Active Lives, Sport England)
Reception: Prevalence of obesity (including severe obesity) (Persons, 4-5 yrs)	Prevalence of obesity (including severe obesity, BMI greater than or equal to the 95th centile of the UK90 growth reference) among children in Reception (age 4-5 yrs)	15 June 2022	Annual measurements during academic year. Data published in the final quarter of the calendar year.	Decrease	Fingertips	Creating a Healthy Food City Forum	NHS Digital, National Child Measurement Programme
Reception: Prevalence of underweight	Number of children in Reception with a valid height and weight	15 June 2022	Annual	Decrease	Fingertips	Creating a	NHS Digital, National

**Visual**

This visual displays further information in a table for the chosen theme and indicator/s.

#### 4. Additional information and links

[Power BI for business users - Power BI | Microsoft Learn](#)

[Frequently asked end-user questions in Power BI - Power BI | Microsoft Learn](#)

[Slicers in Power BI - Power BI | Microsoft Learn](#)