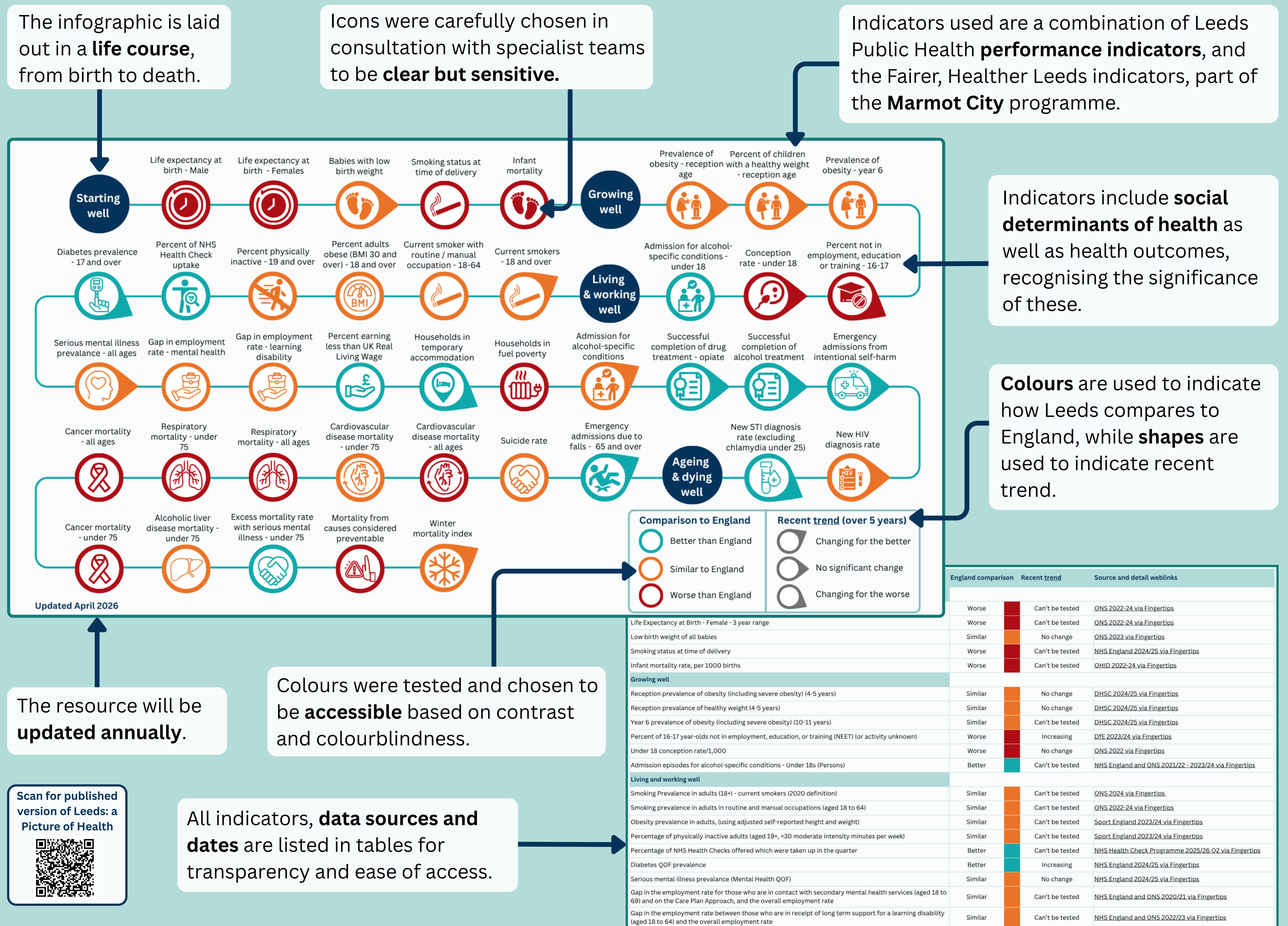


# A Picture of Health: a life course approach to understanding health in Leeds

## Background and purpose

The development of the Picture of Health infographic sought to build on a growing suite of data resources that present public health data to system partners in an accessible and engaging way to **deepen understanding and spark data-driven action**. It brings together publicly available data from various sources into one place to produce a visual, **high-level summary of health and determinants** in Leeds. It illustrates how **Leeds compares to England** and also **recent trend** to indicate the direction of change.

The resource was **produced collaboratively** by colleagues in the Healthy Community and Primary Care team in Public Health and the Public Health Intelligence Team.



## Method for testing trend

Choosing and implementing a method for testing trend was a significant part of the project. It was important to be able to **engage partners meaningfully in the direction of change**. Many indicators change very slowly, and testing for significant change from the previous year would not add any value or context.

On the other hand, reporting direction of absolute change year-on-year is misleading because it doesn't focus on the bigger picture.

Therefore, we opted to use the **Fingertips method** which:

- specifies which indicator types can be tested.
- requires a minimum of 5, independent, yearly data points without breaks
- repeats calculations on gradient of the trend five times, each time excluding one of the five points to account for missing or erroneous data.

## Impact and future development

In Leeds we create a lot of locally generated data from GP practices, hospital and mortality data, for many bespoke local geographies. These are integrated into Public Health and Leeds City Council performance reporting.

As a result of this project, we are developing a method to include the Fingertips **trend analysis approach in our local processing**. It will be integrated into our standard procedures for as many indicators as possible. We are using Python notebooks in Fabric and will join the trend analysis results to our tables.

This means we can **enhance performance reports with the additional context of time series trend analysis** that is based on standardised approaches.

