# Online supplement – "What Creates Healthy Cities" by the Commission on Creating Healthy Cities (2022)

## **Annex A: Using Local Data to Inform Policy Interventions**

A subset of the indicators used by the Lambeth and Southwark Urban Health Index was used for the Commission's index. The full list of indicators, and their respective data sources, can be downloaded from the Impact on Urban Health website here:

https://urbanhealth.org.uk/wp-content/uploads/2021/04/Urban-Health-Index-methodology-1.pdf

Dimension /	Indicator name	Source
component		
Nutrition and Basic	Low birth weight	localhealth.org.uk
Medical Care		
Nutrition and Basic	Obesity in adults	localhealth.org.uk -
Medical Care		changed to
		https://commonslibrary
		.parliament.uk/constitu
		ency-data-how-healthy-
		is-your-area/
Nutrition and Basic	Obesity in Children -	localhealth.org.uk
Medical Care	Year 6	
Nutrition and Basic	Obesity in Children -	localhealth.org.uk
Medical Care	Reception	
Nutrition and Basic	Deaths under 65	localhealth.org.uk
Medical Care		
Water and Sanitation	Overcrowding	Census
		(https://www.nomiswe
		b.co.uk/census/2011/ks
		403ew)
Water and Sanitation	Houses in poor	MHCLG
	condition	
Water and Sanitation	Food hygiene rating	Food standards agency
		(https://ratings.food.go
		v.uk/open-data/en-GB)

Shelter	Vacant dwellings	MHCLG (https://www.nomiswe b.co.uk/census/2011/ks 401uk)
Shelter	Energy efficiency	Centre for Sustainable Energy (https://www.cse.org.u k/projects/view/1259#E nergy_Performance_Cer tificate_data)
Shelter	Households in fuel poverty	BEIS
Health and Wellness	Female healthy life expectancy at birth	localhealth.org.uk
Health and Wellness	Diabetes prevalence	https://commonslibrary .parliament.uk/constitu ency-data-how-healthy- is-your-area/
Health and Wellness	Asthma prevalence	https://commonslibrary .parliament.uk/constitu ency-data-how-healthy- is-your-area/
Health and Wellness	Depression prevalence	https://commonslibrary .parliament.uk/constitu ency-data-how-healthy- is-your-area/
Environmental Quality	Access to private outdoor space	https://www.ons.gov.uk /economy/environment alaccounts/datasets/acc esstogardensandpublicg reenspaceingreatbritain
Environmental Quality	PM2.5 Concentration	https://data.cdrc.ac.uk/ dataset/access-healthy- assets-hazards-ahah
Environmental Quality	NO2 Concentration	https://data.cdrc.ac.uk/ dataset/access-healthy- assets-hazards-ahah

#### **EPC** analysis

An analytics dashboard was created using openly available data on Energy Performance Certificates and corporate ownerships. This enabled address-level identification of properties that were non-compliant together with their corporate owners, and it was also possible to filter the properties based on the property type (e.g. flat or terraced house) and on the property usage (e.g. private rent or social rent). The data can be linked via their addresses.

Dataset	Source
<b>Energy Performance Certificates</b>	https://epc.opendatacommunities.org/
Corporate Ownership Database	https://use-land-property-
	data.service.gov.uk/

## Food hygiene and obesity analysis

An analytics dashboard was created in response to a query from one of the local councils, who were concerned about the effect of takeaways on the health of the local community, specifically with regards to obesity. The dashboard displayed all food and beverage outlets in the local authority, together with their food hygiene data, superimposed on obesity data at area level. This enabled the rapid identification and analysis of food businesses in areas of high obesity, and also the investigation of any correlations between the number of certain types of food establishments (e.g. takeaways) against obesity levels in the area.

Dataset	Source
UK food hygiene	https://ratings.food.gov.uk/open-data/en-gb
rating data	
Obesity in Adults	localhealth.org.uk - changed to
	https://commonslibrary.parliament.uk/constituency-
	data-how-healthy-is-your-area/

## **Appendix 2: Methodology**

The Commission used five approaches to gather evidence:

- A series of meetings with Commission members and an International Advisory Board
- Online sessions with elected members and officers from two cities —
  Bristol and Nottingham and with the Office for National Statistics,
  Behavioural Insights Team, and Office for Health Improvement and
  Disparities
- 3. A systematic scoping review of academic literature to develop the Healthy Cities Toolkit
- 4. A Call for Evidence
- 5. A series of Expert Workshops

#### 1. Meetings

During 2021 and the first half of 2022 the Commission met on four occasions; each of our three Subgroups met between meetings as did our International Advisory Board.

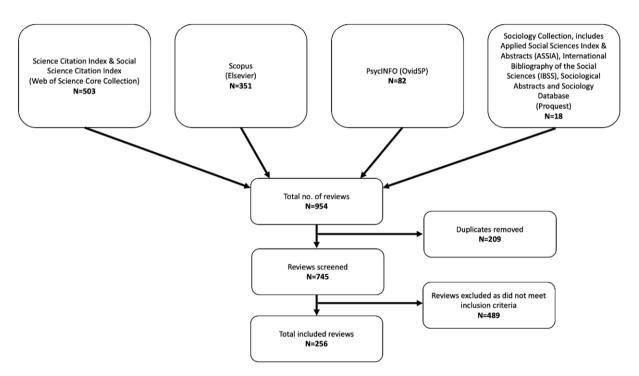
#### 2. Online Sessions

Our meetings were supplemented by specialist sessions with Elected Members and Officers in two local authorities — Nottingham and Bristol — who generously gave their time to enable us to learn what issues were of most current importance and how we could help suggest ways of addressing these. In particular, our data analyst, John Lim, worked with colleagues in the two authorities in preparing guidance on use of local data for policy-making.

In addition, virtual meetings were also held with Office for National Statistics, the Behavioural Insights Team, and Office for Health Improvement and Disparities and others. We sincerely thank all our external contributors who have given freely and helpfully their time and expertise.

## 3. Scoping Review and the Healthy Cities Toolkit

A systematic scoping review of four academic databases was conducted to understand what factors impacted the health and wellbeing of those living and working in cities and what interventions may improve the health of the population in their cities. We included studies that were systematic or literature reviews, published after 2000, and explored any urban exposure or intervention that influenced health or wellbeing (Figure 1). The study protocol was pre-registered (<a href="https://doi.org/10.17605/OSF.IO/BWSCA">https://doi.org/10.17605/OSF.IO/BWSCA</a>) and the study materials are openly available on the Open Science Framework (<a href="https://doi.org/10.17605/OSF.10/ABYP8">https://doi.org/10.17605/OSF.10/ABYP8</a>).



**Figure 1:** Flow diagram of the searches conducted on 16 April 2021 and the screening of eligible reviews

To make the findings of this review accessible to the public, practitioners, and policymakers, the **Healthy Cities Toolkit** was developed (Appendix B & <a href="https://www.healthycitiescommission.org/toolkit/">https://www.healthycitiescommission.org/toolkit/</a>). The Toolkit is an accessible summary of urban health research from over 250 academic reviews. It provides evidence-based summaries of what is likely to benefit or negatively impact health, with each approach summarised in terms of its impact, resource implications, and the quality of the evidence supporting the approach.

Across the 256 reviews, evidence was grouped into 12 categories, including:

- 1. Demographics
- 2. Economics and finance
- 3. Food and nutrition
- 4. Governance and policy making
- 5. Housing
- 6. Mobility and transport
- 7. Nature
- 8. Security
- 9. Technology
- 10. Urban development
- 11. Urban environment
- 12. Utilities and infrastructure

#### 4. Call for Evidence

The Commission hosted an open call for evidence between June and September 2021, which received a total of 31 submissions (29 unique submissions). Most (37%) submissions were from NGOs, local authorities (30%) and academic institutions (20%). Submitting institutions were largely based in the UK (89%), with the remainder coming from Australia, Canada, Italy, South Africa and the US. The submitted evidence is summarised throughout this report and all submissions are openly available:

https://www.healthycitiescommission.org/submissions-for-call-for-evidence/

## 5. Expert Workshops

Four Expert Workshops were held in March 2022, each focusing on one of the four themes of the Commission: Built Environment, Transport, Health and Wellbeing, and Good Governance. The workshops gathered together key stakeholders, local government representatives and NGOs to discuss the findings from the Commission, and the emerging recommendations.

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