

The Valuing Nature Programme

Five-year (2014-2019), £7M Programme to

“better understand and represent the complexities of the natural environment in **valuation** analyses and to consider the wider societal and cultural value of ecosystem services”

Three Goals

1. Valuing Nature Network

Foster inter- & trans-disciplinary research capabilities

Two Research Calls

2. Human Health & Wellbeing

Understanding the value of the UK's natural environment for human health (physical and mental) and wellbeing

3. Ecosystem Stocks & Tipping Points



IWUN



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University of Sheffield

- **Improving Wellbeing through Urban Nature:**
integrating green/blue infrastructure and health
service valuation and delivery (IWUN)



VALUING NATURE



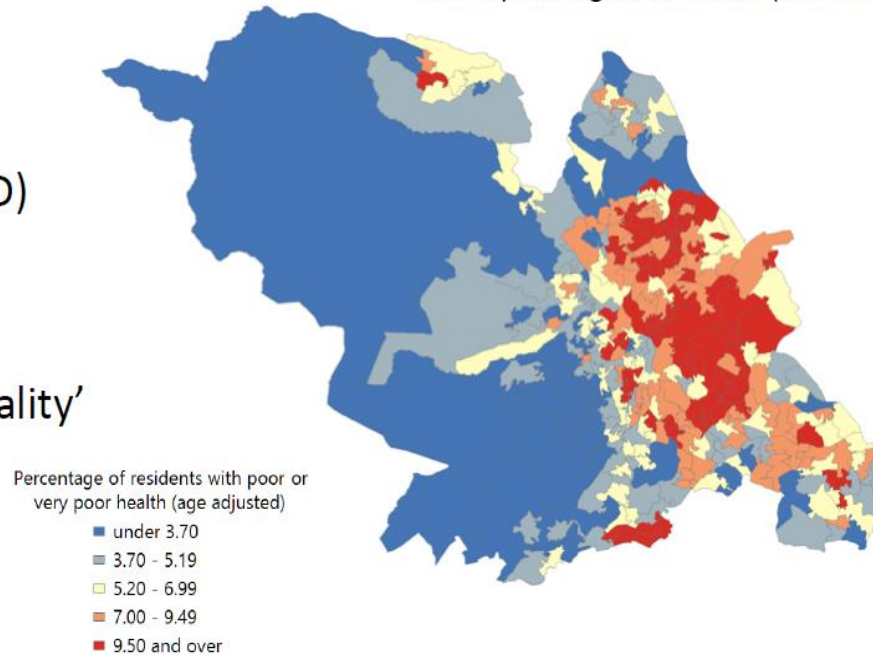
The
University
Of
Sheffield.



- Evaluate how urban green space impacts on health and wellbeing
- Explore the cultures and values that influence how people of different ages and backgrounds interact with the natural environment
- Develop a method to measure the cost-effectiveness of natural environments in delivering healthcare
- Work out how urban green space can be used to deliver health and social care in the future

- Health data
 - General health
 - Mental health
- Deprivation (IMD)
- Land cover
- Biodiversity
- Green space 'quality'

Self reported general health (Census 2011)

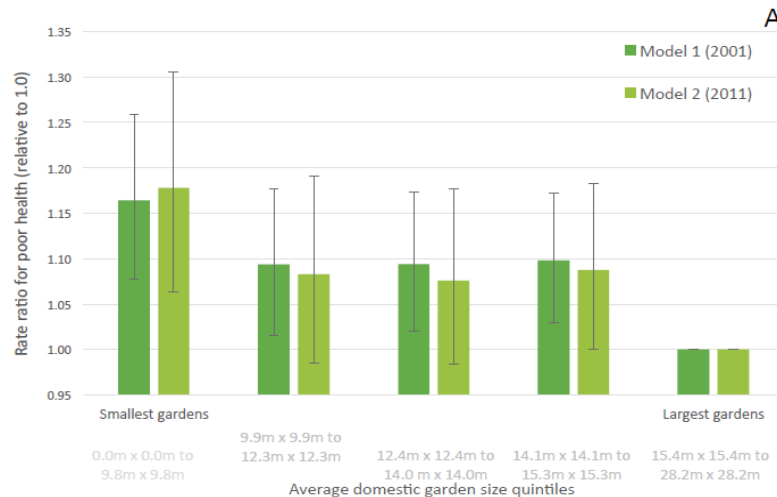


Average Garden size



Garden size and general health

All urban LSOAs in Sheffield for 2001 (n=334) and 2011 (n=312)

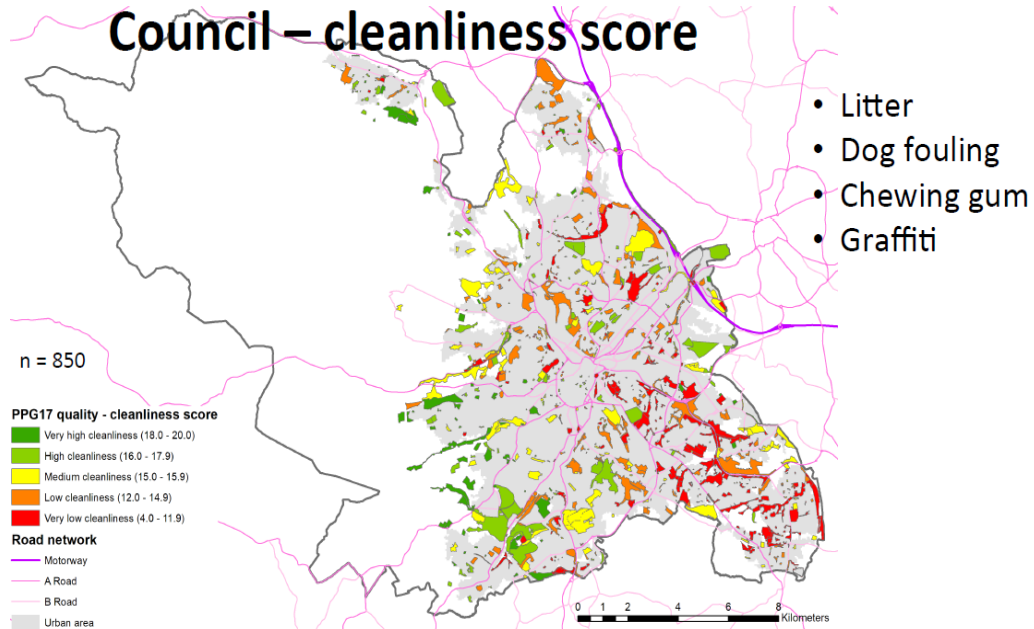


Adjusting for:

- Income IMD
- Employment IMD
- Education IMD
- Population density
- Smoking
- Pollution
- House prices
- Region
- ACORN
- Income (MSOA)

Findings from national study to be published in International Journal of Health Geographics

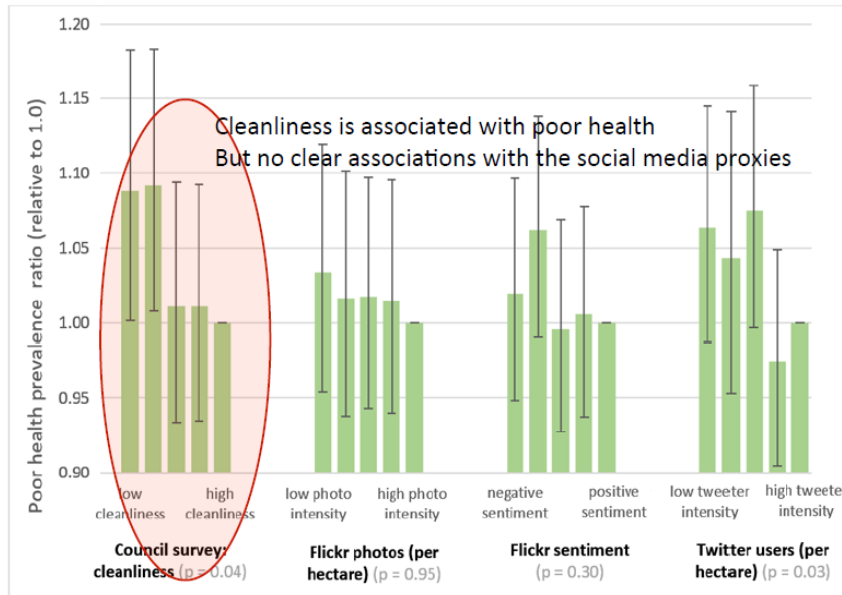
Council – cleanliness score



Negative binomial regression:

Dependent variable: Standardised poor health

Offset: $\ln(\text{expected poor health})$



Adjusting for:

- Income deprivation
- Total green space
- Average garden size
- Air pollution (PM₁₀)
- Smoking prevalence

Many people value spending time outdoors

About 70% of the interviewees volunteered an outdoor location as their 'favourite place' (open question, no prior priming of outdoors/nature theme).

These are not necessarily local, interviewees had special places in Sheffield they would travel to visit, usually larger parks with good level of facilities.



this,

this,

this...

rather than this.



A loo, a brew, a view and something to do... actions that are both specific and context-changing

