

# Health Evidence in Local Government

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Academic Practitioner Workshop – 23<sup>rd</sup> August 2017

## The 10 leading causes of death in the world 2012

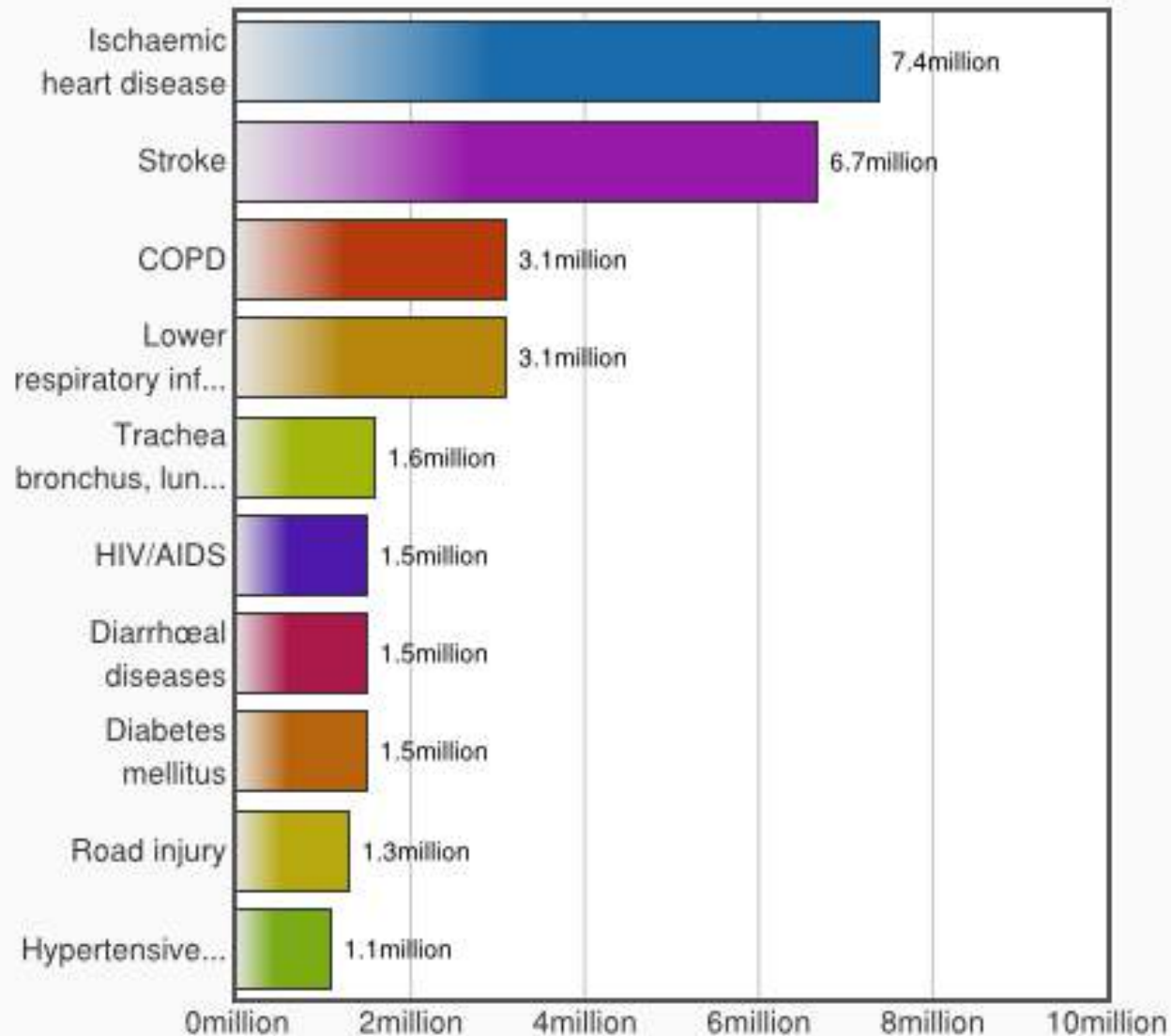
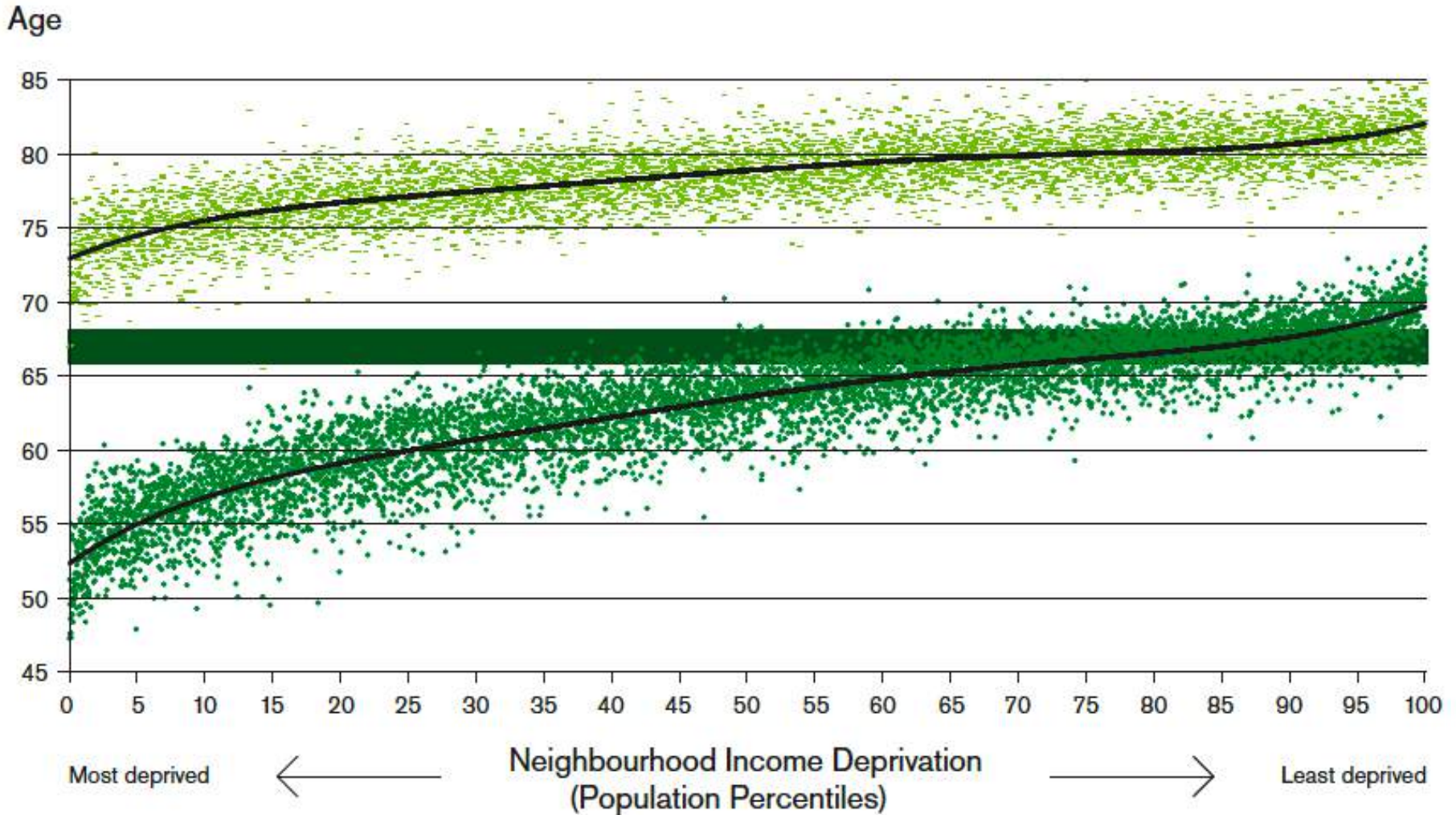
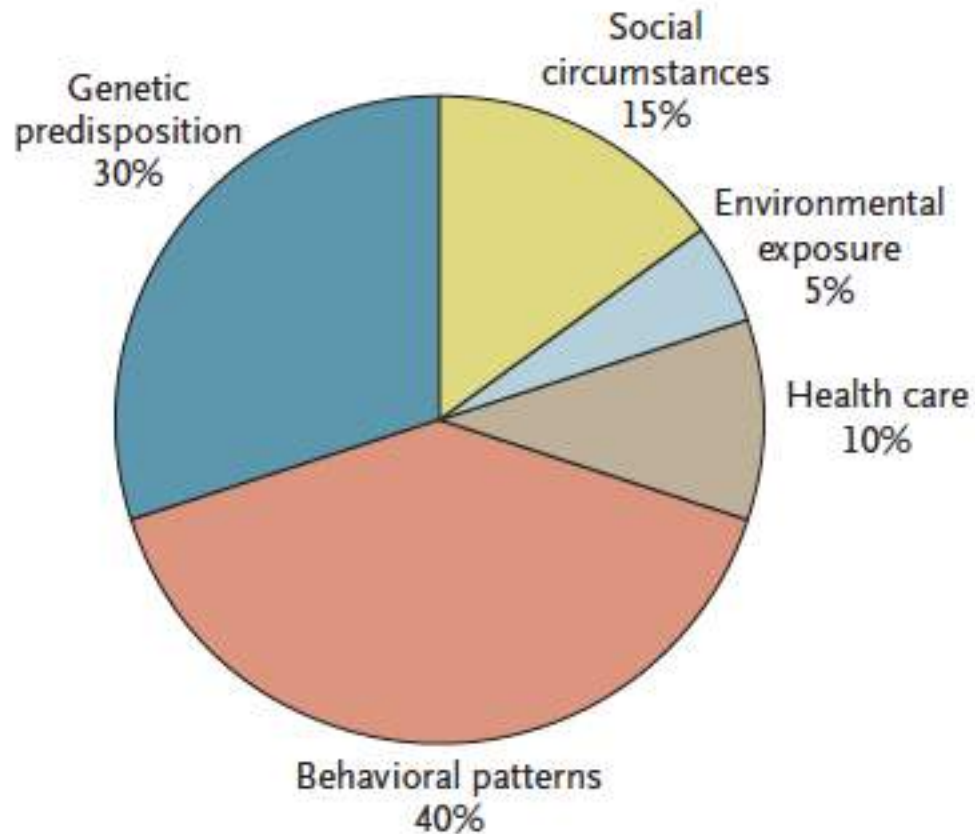


Figure 1 Life expectancy and disability-free life expectancy (DFLE) at birth, persons by neighbourhood income level, England, 1999–2003



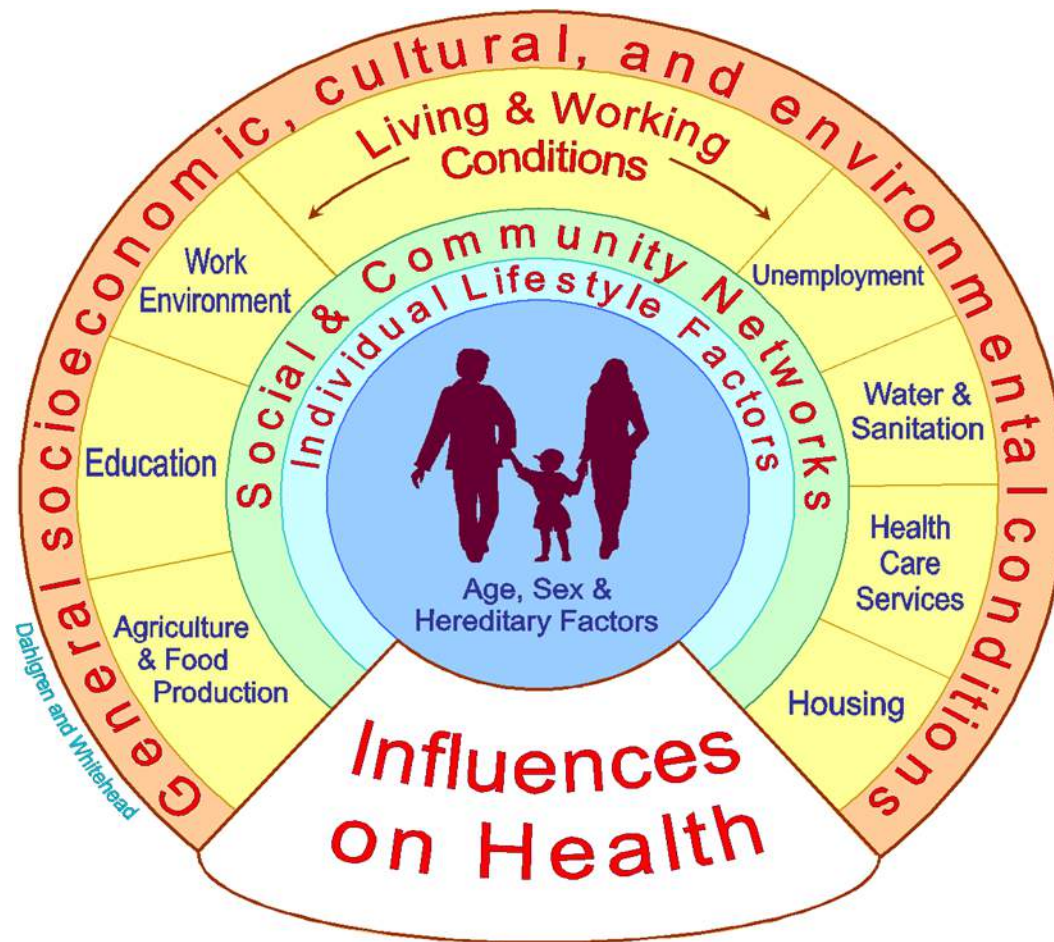
### Proportional Contribution to Premature Death



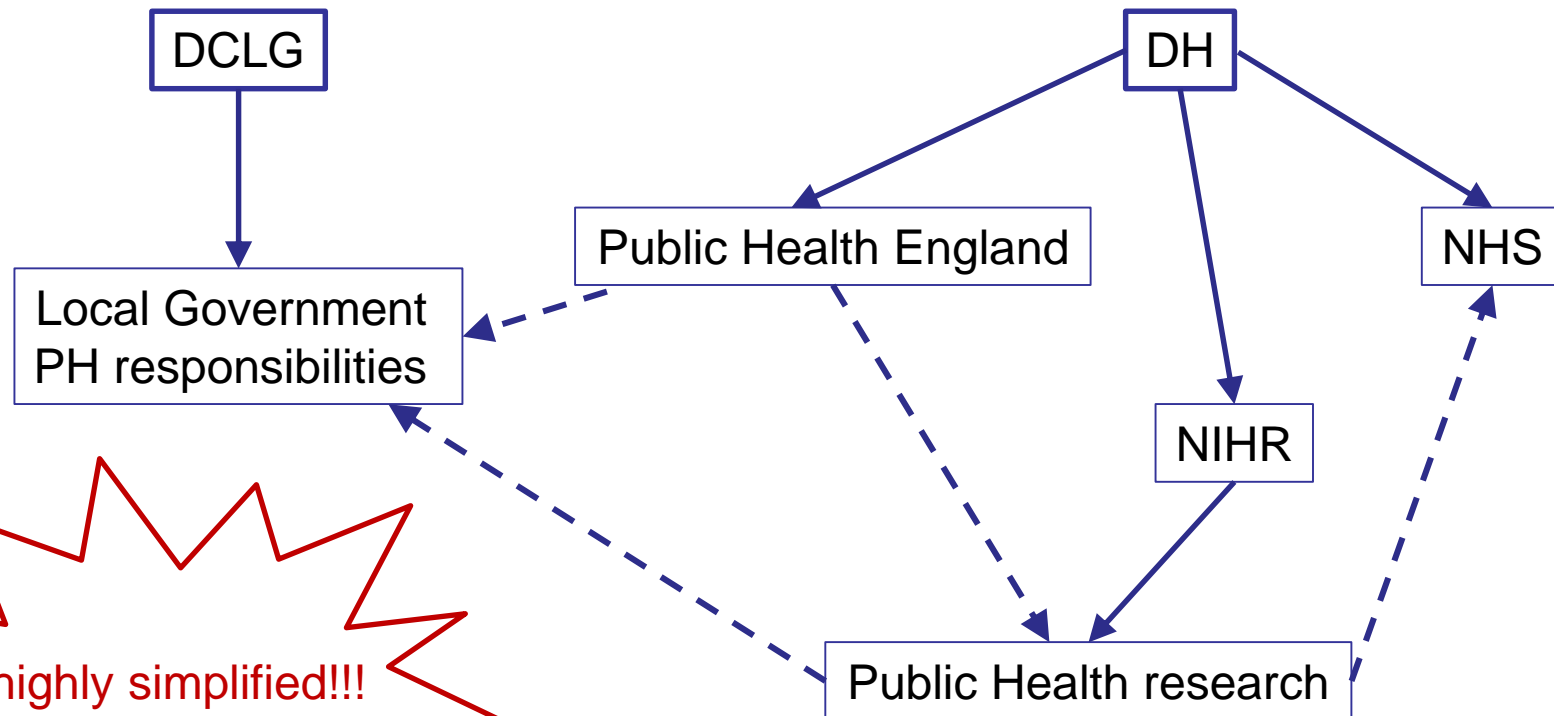
**Figure 1. Determinants of Health and Their Contribution to Premature Death.**

Adapted from McGinnis et al.<sup>10</sup>

# The determinants of health



# The health / research system



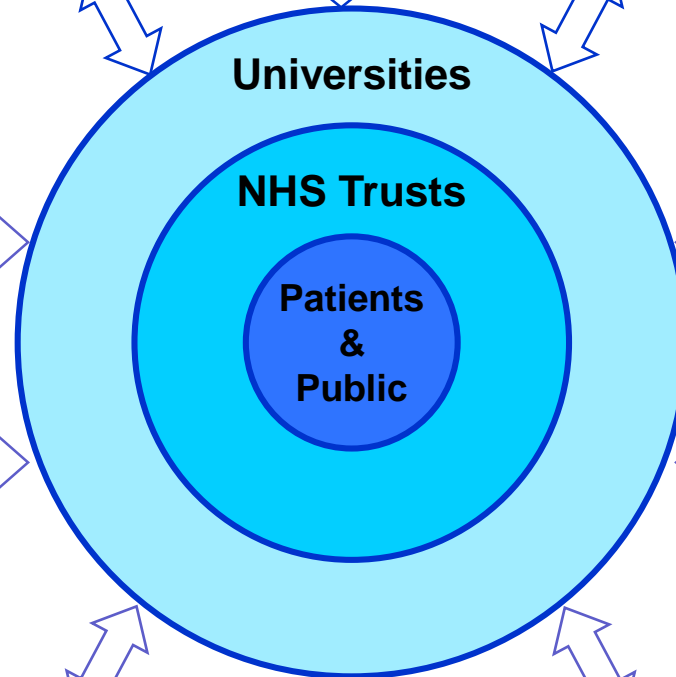
highly simplified!!!

Public Health Research Programme

### Faculty



### Infrastructure



PHR












### Research



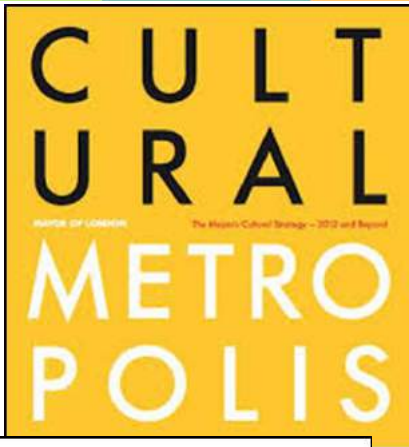
### Systems

# NIHR Programmes

 <p><b>Efficacy and Mechanism Evaluation Programme</b></p> <p>The Efficacy and Mechanism Evaluation (EME) Programme funds 'science driven' studies with an expectation of substantial health gain, and ai...</p> <p><a href="#">More</a></p>	 <p><b>Health Services and Delivery Research Programme</b></p> <p>The Health Services and Delivery Research (HS&amp;DR) Programme aims to produce rigorous and relevant evidence to improve the quality, accessibi...</p> <p><a href="#">More</a></p>	 <p><b>Health Technology Assessment Programme</b></p> <p>The Health Technology Assessment (HTA) Programme is the largest of the NIHR programmes. We fund independent research about the effectiveness...</p> <p><a href="#">More</a></p>
 <p><b>Invention for Innovation Programme</b></p> <p>The Invention for Innovation (Ii) Programme aims to support and advance the research and development of innovative healthcare technologies...</p> <p><a href="#">More</a></p>	 <p><b>Programme Grants for Applied Research</b></p> <p>Programme Grants for Applied Research (PGfAR) were established in 2006 to produce independent research findings that will have practical app...</p> <p><a href="#">More</a></p>	 <p><b>Public Health Research Programme</b></p> <p>The Public Health Research (PHR) Programme funds research to evaluate non-NHS interventions intended to improve the health of the public and...</p> <p><a href="#">More</a></p>
 <p><b>Research for Patient Benefit Programme</b></p> <p>The Research for Patient Benefit (RfPB) Programme is a national, response-mode programme established in 2006 to generate high quality resear...</p> <p><a href="#">More</a></p>	 <p><b>NIHR Fellowships</b></p> <p>The NIHR Fellowship Programme was launched in 2008 with the aim of developing research capacity in health, and health and social care...</p> <p><a href="#">More</a></p>	 <p><b>Systematic Reviews Programme</b></p> <p>Systematic reviews identify, evaluate, combine and summarise the findings of all relevant individual studies...</p> <p><a href="#">More</a></p>



# Who am I? Why am I here?



# Who am I? Why am I here?



*Where is the evidence?*



# A supply of things to research



HEALTHY SCHOOLS  
LONDON



March 2016

1,700 schools signed up

73% of schools

# Large natural experiments

- Old Oak and Park Royal Development Corporation
- N.W. London
- Development running between 2016 – 2046
- The only place where Crossrail and HS2 meet

## Creating

- ❖ a station the size of Waterloo with transport links
- ❖ 65,000 new jobs
- ❖ 25,000 new homes
- ❖ Public open space
- ❖ Prison improvement



# Where am I now?

NETSCC (part of NIHR)

- Manages £1bn of research funding
- £100m of DH money per year
  - £10m per year on Public Health Research





# Examples of our research

The Cambridgeshire Guided Busway  
increased active travel.



Density of alcohol outlets is linked to alcohol  
consumption, hospital admissions and violence.

Turning off street lights early does  
not lead to more accidents or crime.



# Challenges and Opportunities

- Identifying the right question
- Finding interventions
- Having the right research methodology
- Engaging with local government
- Getting the results to the front line





# The speed of the research process

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1 year – from idea to funding research

5 years – for research to happen

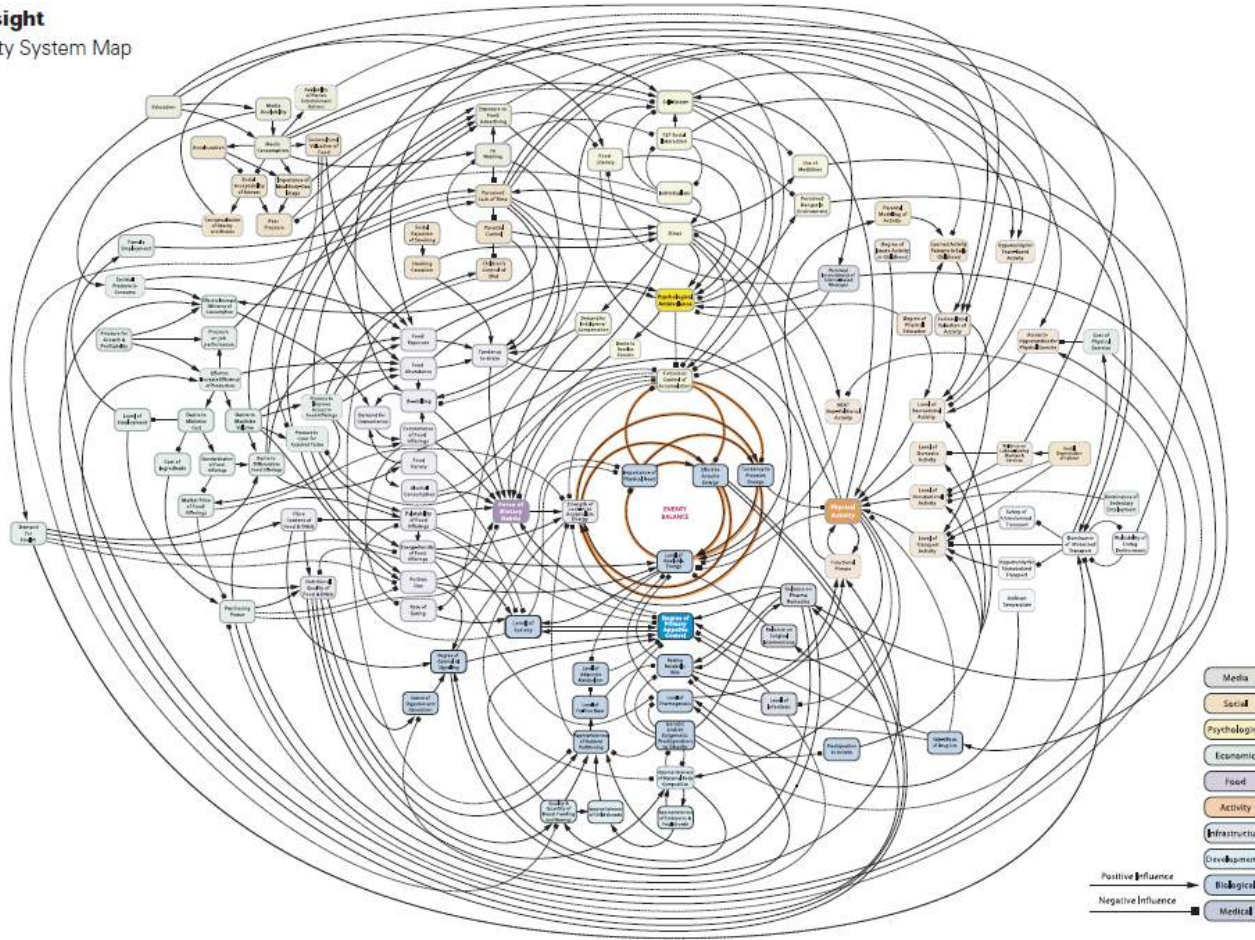
1 year – to publication

17 years - from publication to clinical practice



# The research methodologies need developing

Foresight  
Obesity System Map



# How are we bridging the divide?

- Advisory Board
- Engaging with stakeholders
- Faster funding mechanisms
- Embedding research staff in local government
- Learning from health service research
- Taking risks with funding
- Working with other research funders
- Transdisciplinary research
- Learning to deliver research results effectively



A horizontal bar composed of several colored segments: green, dark green, teal, orange, purple, and blue.

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