

Use of Household Health
Survey and routine data in
the neighbourhood resilience
programme.



Neighbourhood Resilience

An upstream response to health inequalities

Resilient **systems** take action to enhance the personal and collective capacity of community members plus the public, private and third sector organisations to respond to and influence the course of social, economic and environmental change



Measuring resilience systems – questions

1. How do the components of resilient systems differ between the NFLs – with other areas?
2. How do (changes in) the components of resilient systems influence health (and health inequalities)?
3. How do features of some components of the resilience system modify the health effects of changes in other components of the resilience system?
4. How have local and national actions influenced the components of resilient systems?

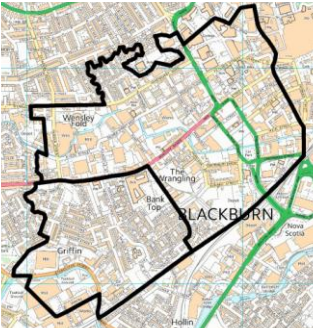
1. How do the components of resilient systems differ between the NFLs?

What people in Mill Hill and Wensley Fold said:

7 in 10 people feel this is a place where people look out for each other



9 in 10 people feel that if they wanted company there are people they could call on.



1 in 10 people had taken part in, supported or helped out at a club, association or group in the last year.



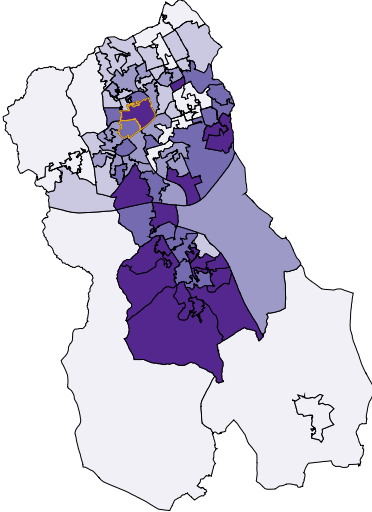
3 in 10 people felt they could influence decisions affecting the local area.



4 in 10 people said that people being drunk or rowdy was a problem in the neighbourhood.



2 in 10 had used the swimming pool in the past year



4 in 10 people had visited a park in the past week.



Neighbourhoods for Learning Community Research and Engagement Network (COREN)



Select Neighbourhood +
Total +

Church

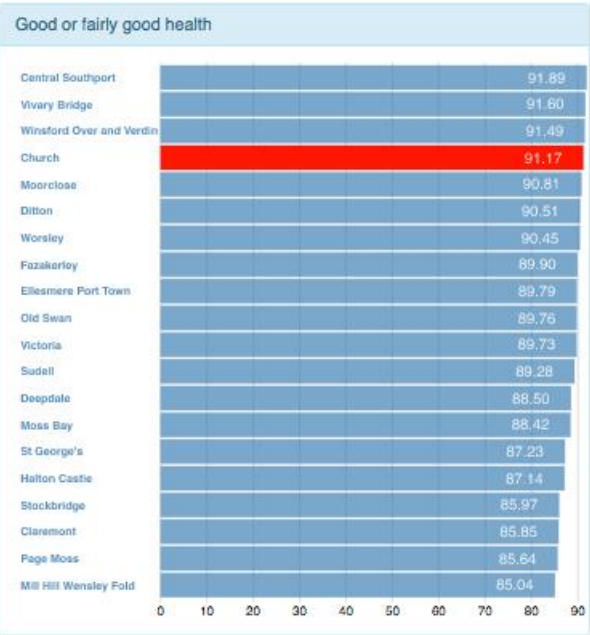
Neighbourhood's indicators

Comparison of Neighbourhoods

Health Status +

Living Environment +
Economic +

Social Relationships +
Community Control +



Description

Age adjusted % of people in good or fairly good health. Source: 2011 Census - average for LSOAs in Neighbourhood.

Measuring the components of the resilience framework – factors analysis.

- Categorizing the HHS survey questions into the 4 domains.
- Identifying whether these questions appear to relate to common factor(s).

Living Environment

Q15. During the winter months, does condensation form on the windows or walls of any room in your home apart from the bathrooms or toilets?

Q16. During the winter months, are there patches of mould or fungus in any room in your home, apart from bathrooms or toilets?

Q17. During the cold winter weather, can you normally keep comfortably warm in your living room?

Q19. Overall, how satisfied or dissatisfied are you with the way your Landlord repairs and maintains your home?

Q28/1-6. I am going to read out a list of problems which some people face in their neighbourhood. For each one, please can you tell me how much of a problem it is in your neighbourhood? People being drunk or rowdy in public places; Rubbish or litter lying around; Vandalism, graffiti and other deliberate damage to property or vehicles; People being attacked or harassed because of their skin colour, ethnic origin or religion; Teenagers hanging around on the street; Troublesome neighbours

Q29/1-6. When did you last use or visit each of the following? A park in a town or city; An allotment or community garden; A children's playground; A playing field or other recreation area; Open countryside (e.g. woodland, farmland, a mountain, hill or moorland, river, lake, or canal); A path, cycleway or bridleway

Social Relationships

Q20. Not counting the people you live with, how often do you meet up in person with family members or friends?

Q21/1-2. How much do you agree or disagree with the following statements? If I needed help, there are people who would be there for me; If I wanted company or to socialise, there are people I can call on

Q24. Using the answers on this card, please tell me how strongly you feel you belong to your immediate neighbourhood?

Q25/1-3. How comfortable would you be with the following? Asking a neighbour to keep a set of keys to your home for emergencies, for example if you were locked out; If you were ill and at home on your own and needed someone to collect a few shopping essentials, asking a neighbour to do this for you; Asking a neighbour to mind your child(ren) for half an hour

Q26. Suppose you lost your purse/wallet containing your address details, and it was found in the street by someone living in this neighbourhood. How likely is it that it would be returned to you with nothing missing?

Q27. Would you say this neighbourhood is a place where neighbours look out for each other?

Economic Systems

Q6. Do you have any educational qualifications for which you received a certificate?

Q7. Do you have any professional, vocational or other work-related qualifications for which you received a certificate?

Q8. What is your highest qualification?
Employment status (derived)

Q56. How well would you say your household is managing financially these days? Would you say you are...?

Q57. Would you say your household is better off or worse off financially than you were a year ago?

Q60. I would now like to ask you about any debts, credit or loans you may have, apart from mortgages. Do you currently owe any money in any of the following ways?

Q61. Have you been able to make the minimum payments on these loans or have you missed two or more consecutive payments in a row?

Community Governance

Q31. In the last 12 months, have you done any of the following? - Contacted a local official such as a local councillor, MP, government official, ...

Q32. In the last 12 months, have you done any of the following? Taken part in a consultation about local services or problems in your local area ...

Q33. Again in the last 12 months, have you been a member of any of the groups listed on this card?
-A group making decisions on local health services

Q35. Thinking about the last time there was a local government election, did you vote?

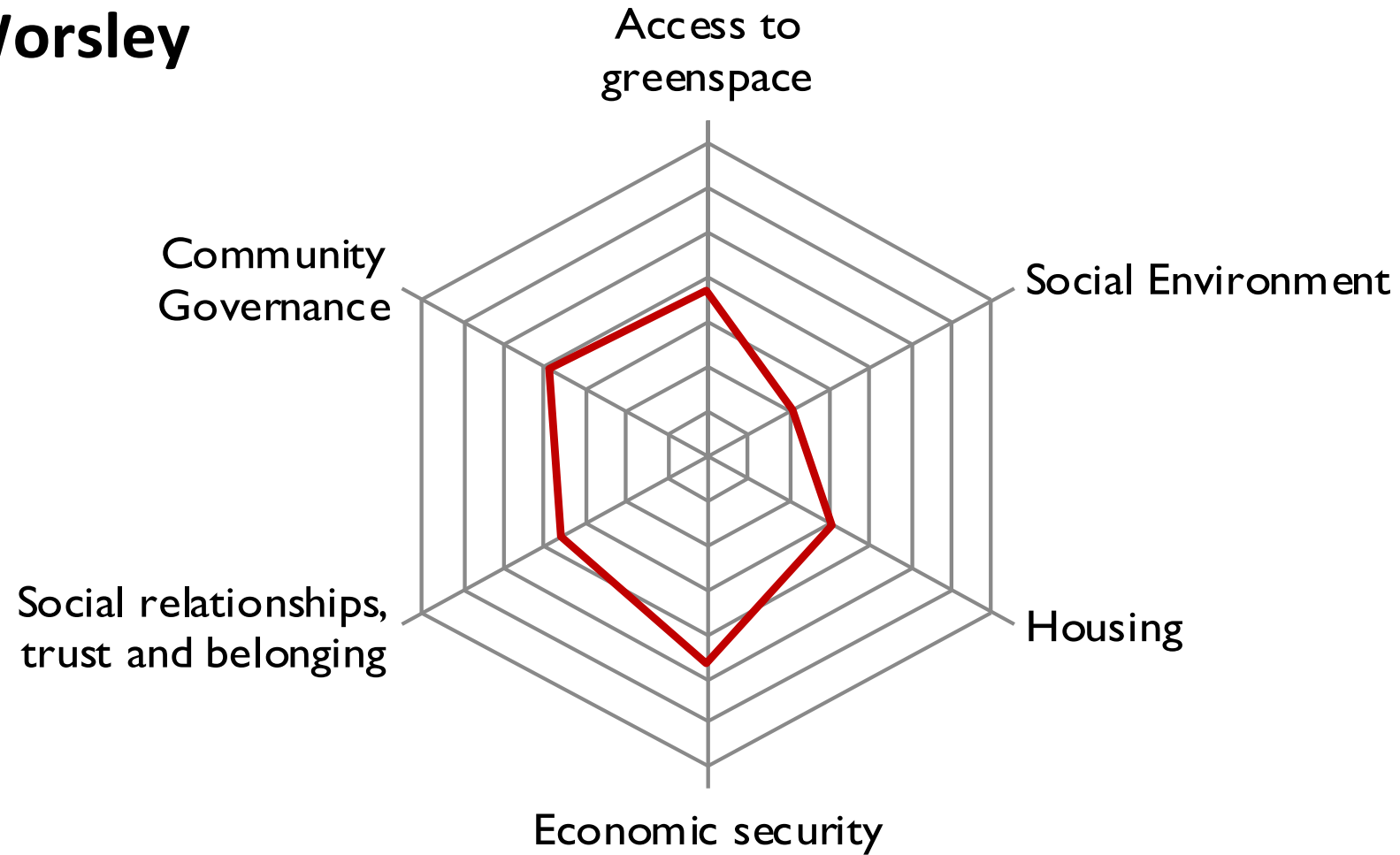
Q34. Do you agree or disagree that you can influence decisions affecting your local area?

Q36. Please select from the following which best describes any groups, clubs or organisations you've taken part in, supported or helped, over the last 12 months.

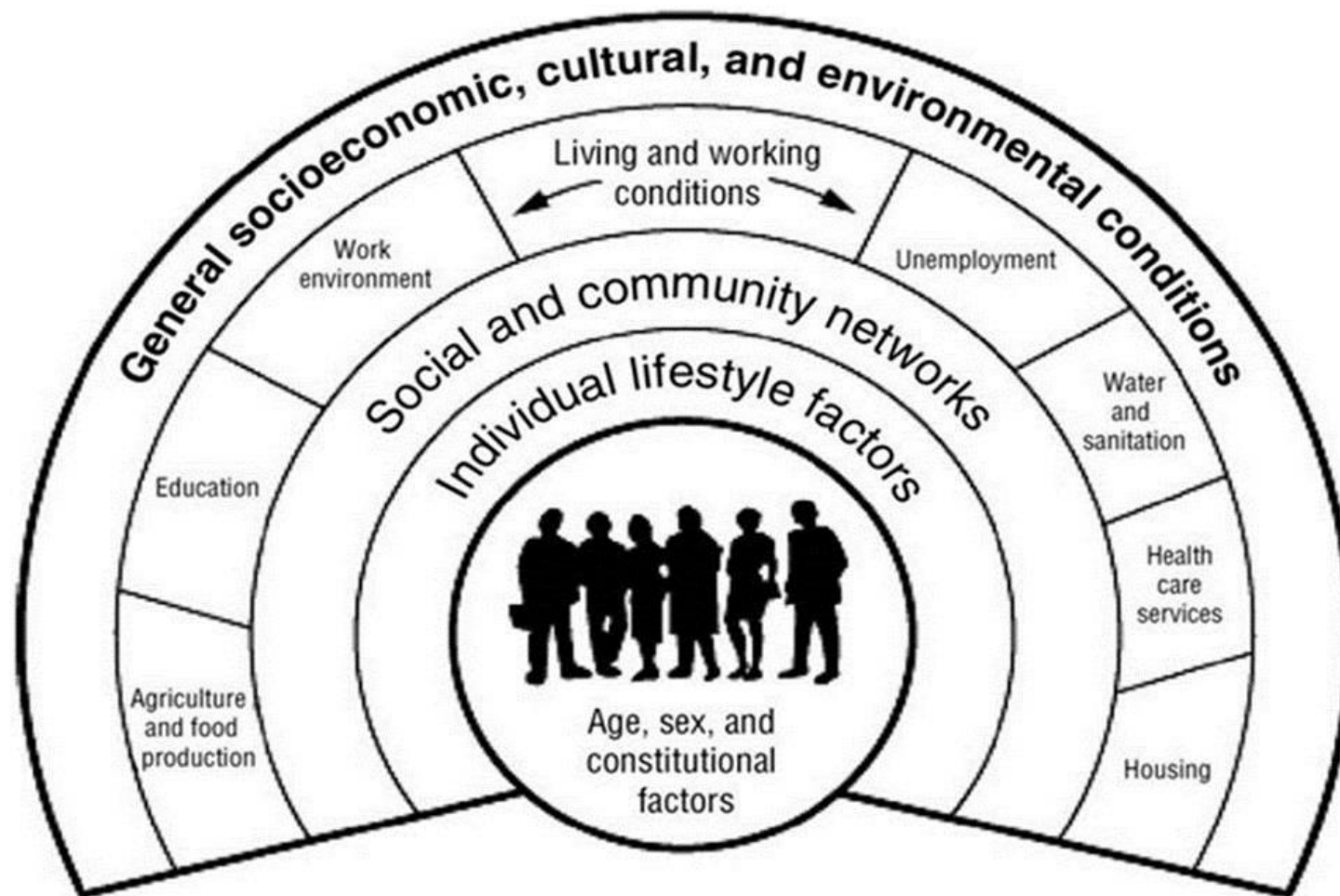
Q37. Now I would like you to look at this showcard. In the last 12 months have you given unpaid help to any groups, clubs or organisations in any of the ways shown on this card?

Q38. Overall, about how often over the last 12 months have you generally done something to help this/these group(s), club(s) or organisation(s). Would you say...?

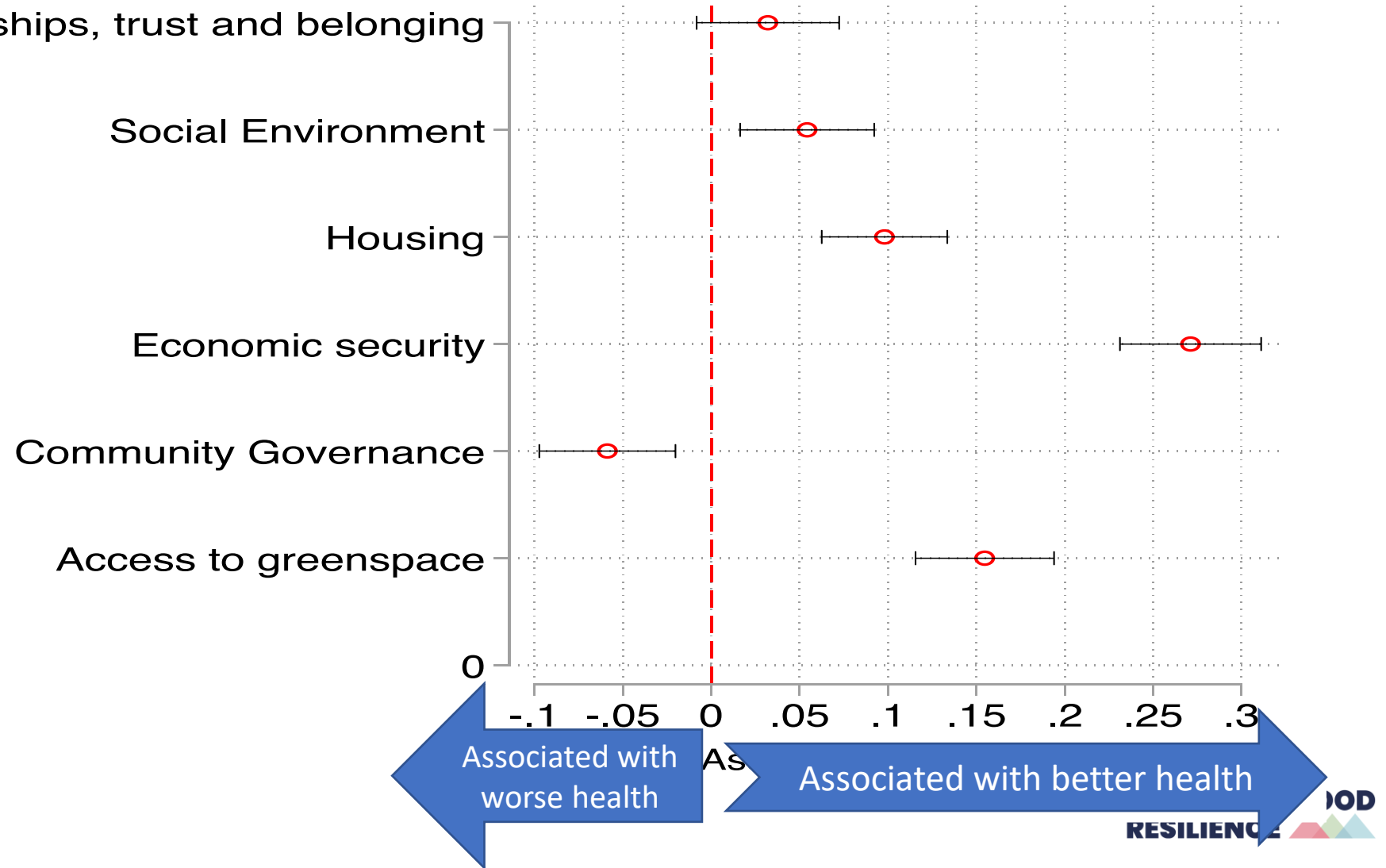
Worsley



2. How do (changes in) the components of resilient systems influence health (and health inequalities)?

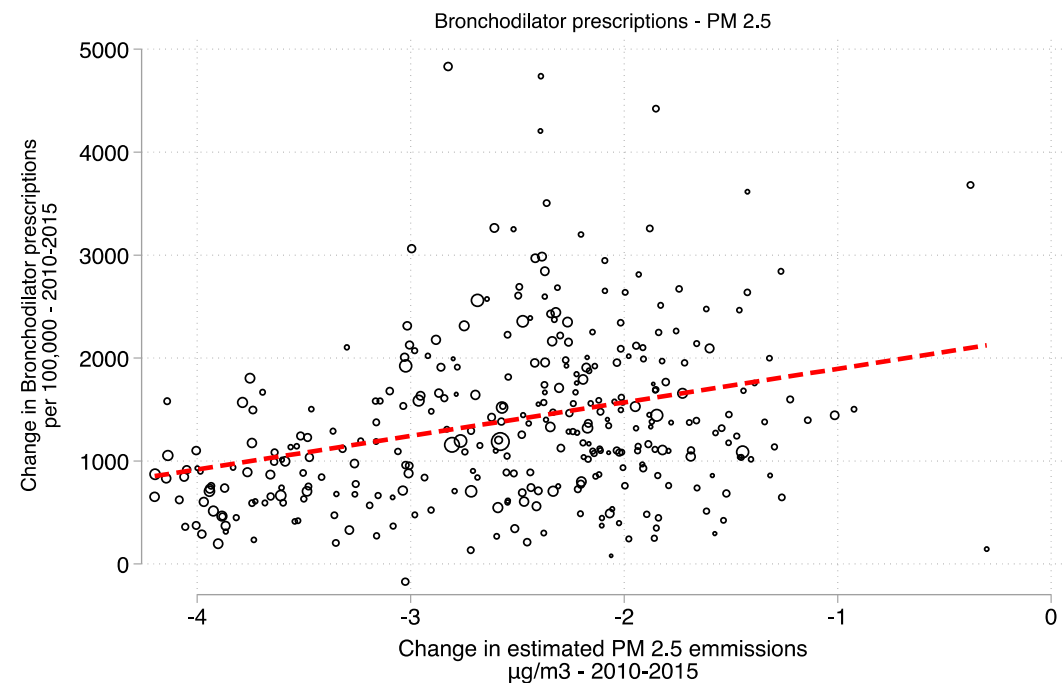
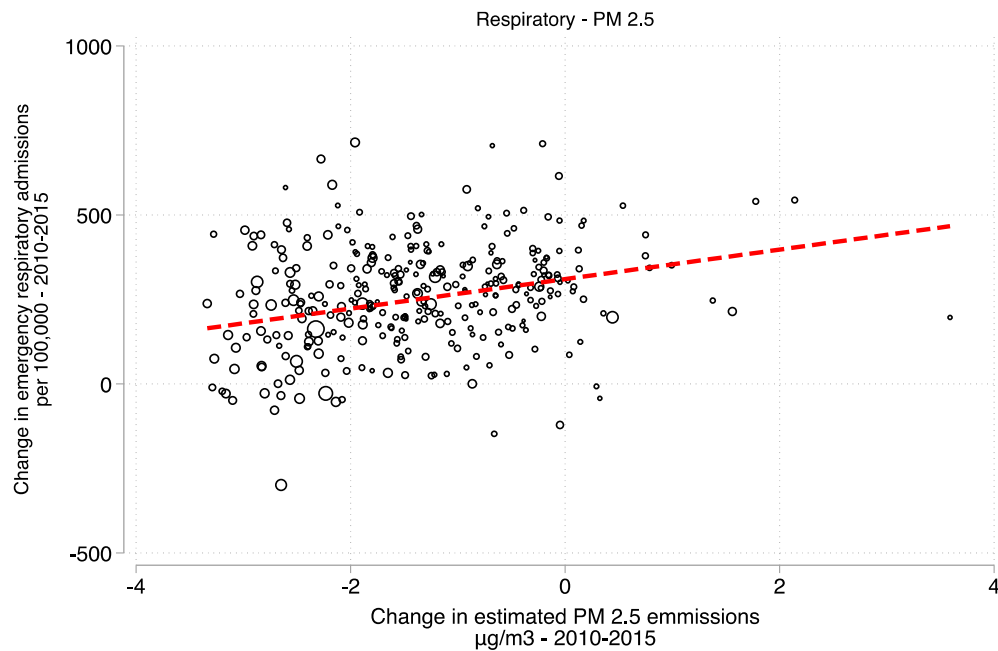


Association between individual responses and health



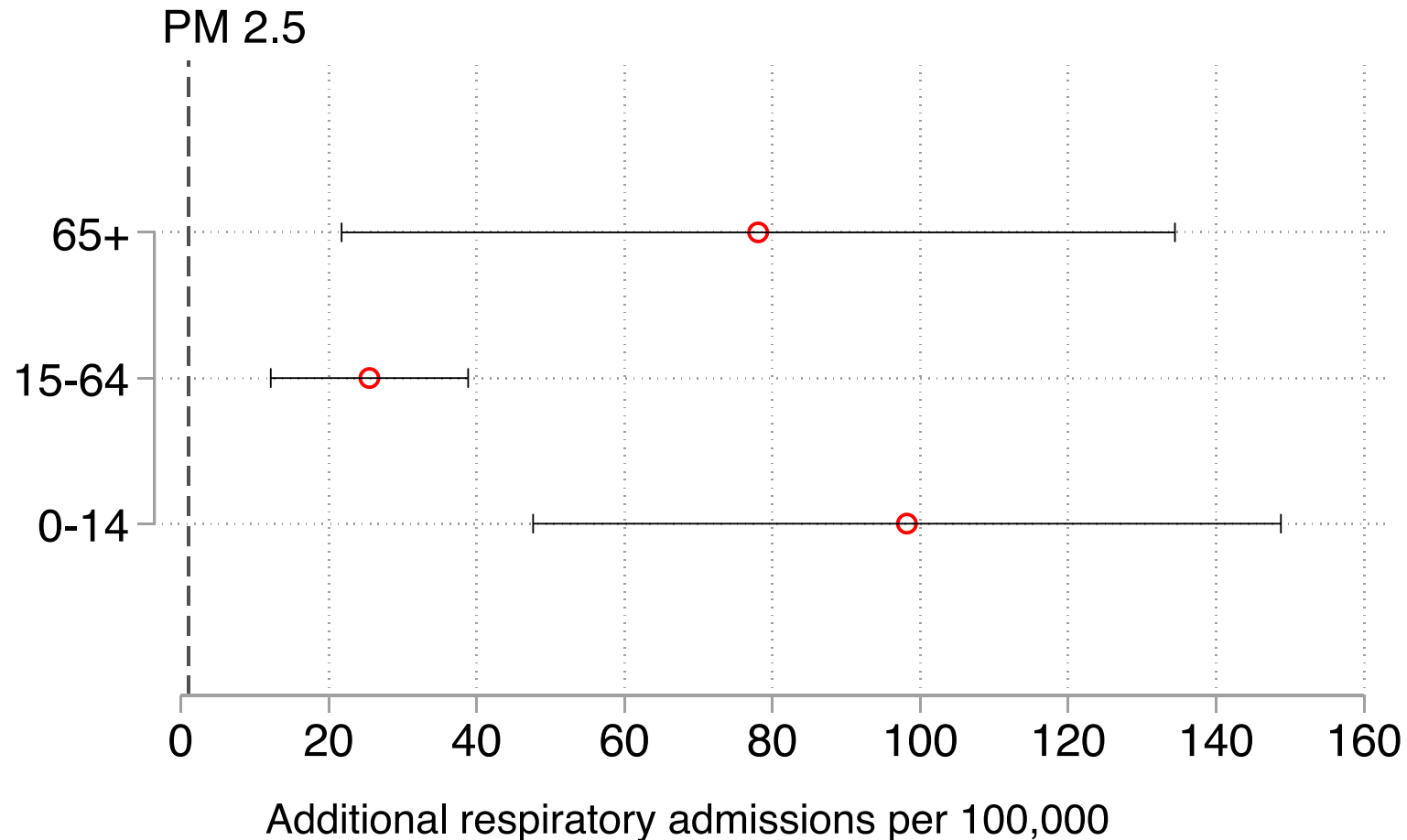
Liverpool City Council – air pollution analysis

Crude association – Change in PM 2.5 and change in hospital admissions



Liverpool City Council – air pollution analysis.

Additional respiratory admissions for each additional $\mu\text{g}/\text{m}^3$



The cost of air pollution in Liverpool

1000 admissions for respiratory conditions per year and
7000 prescriptions for inhalers due to air pollution costing:

£2000,000



Reducing Air pollution by 20% could lead to:

300 fewer respiratory admissions.

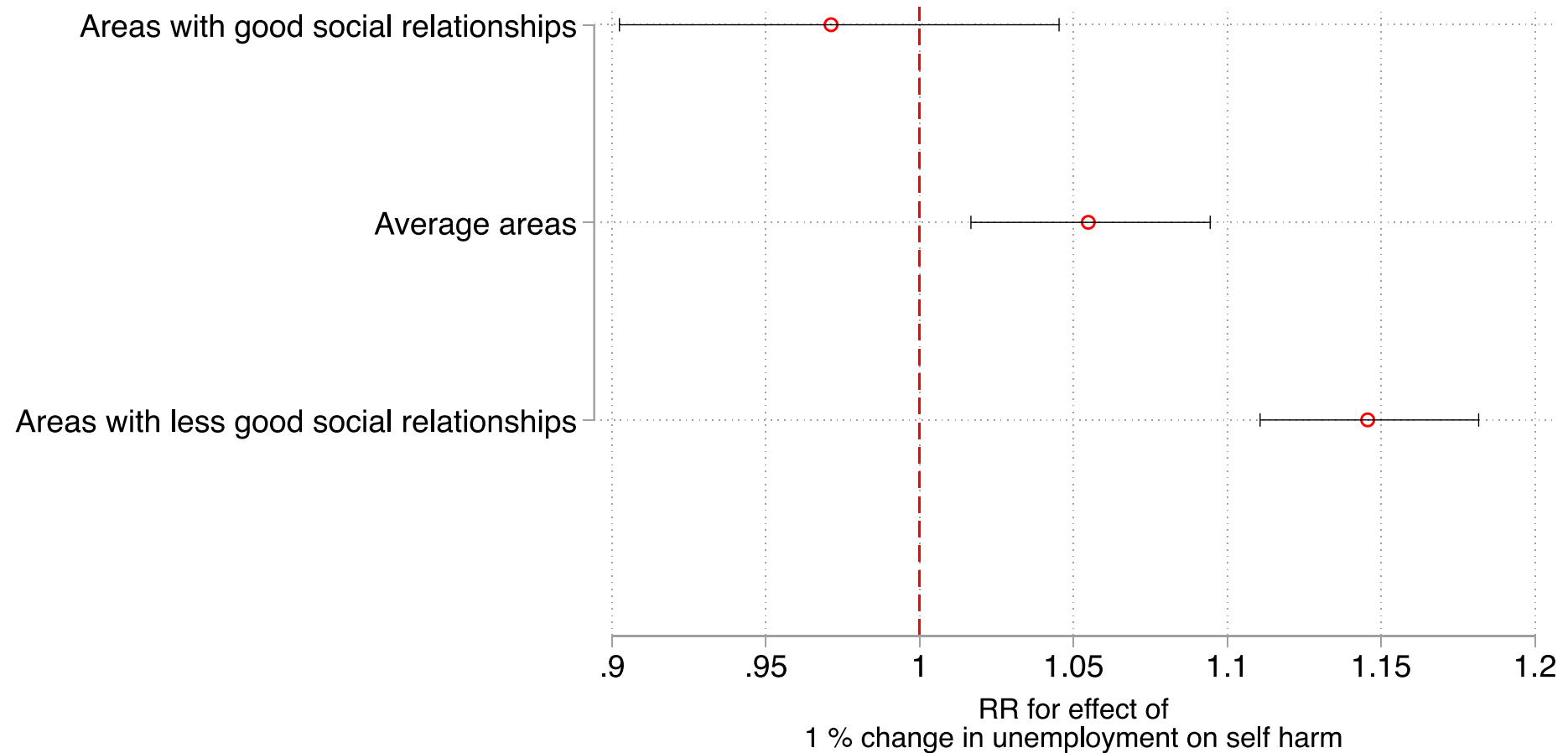
1400 fewer prescriptions

Saving: £400,000 each year.



3. Do some components of the resilience system modify the health effects of changes in other components of the resilience system?

Is the effect of unemployment on mental health – modified by neighbourhood social relationships

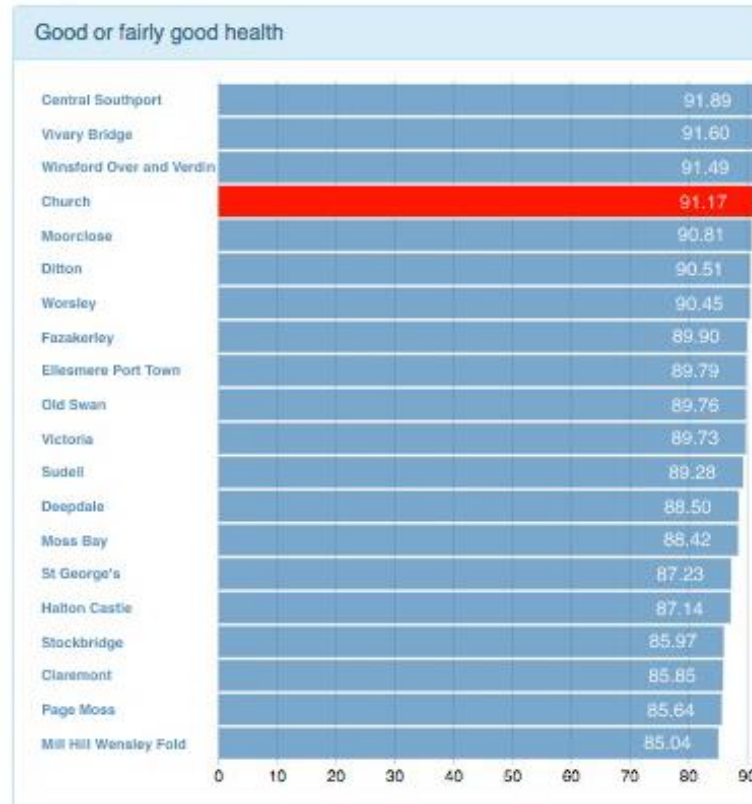


4. How have local and national actions influenced the components of resilient systems in the NFLs?

- Investigating the influence of CLARHC NWC resilience activities.
- Evaluating impact of transience programme in Blackpool + other selective licensing programmes.
- Investigating the influence of national policies (e.g welfare reform) on resilience – have local actions mitigated these effects.

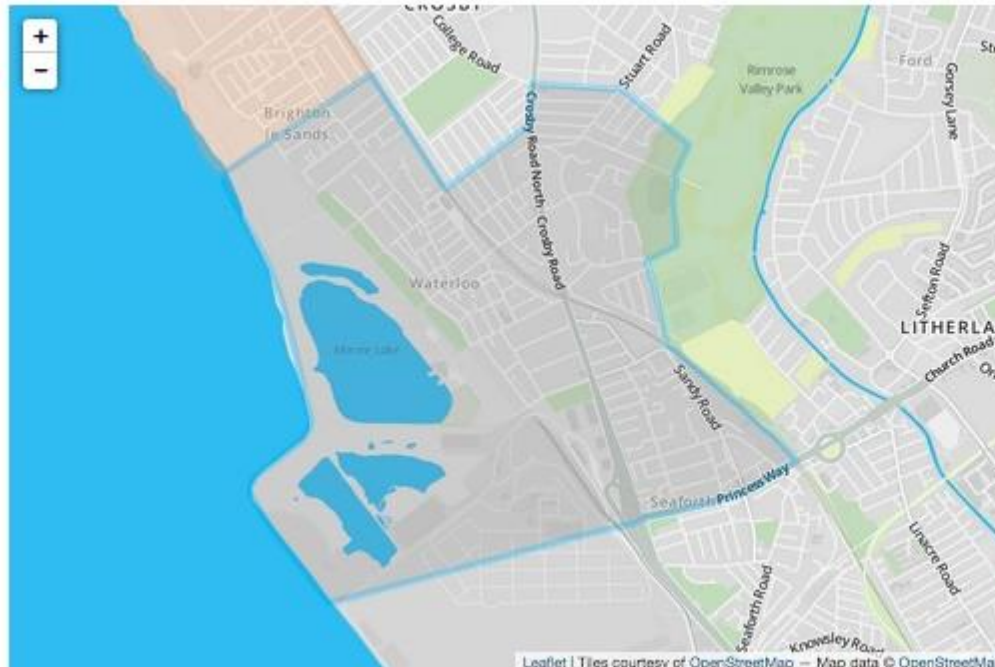
Developing system resilience indicators

Neighbourhoods for Learning Community Research and Engagement Network (COREN)



Description

Age adjusted % of people in good or fairly good health. Source: 2011 Census - average for LSOAs in Neighbourhood.



Select Neighbourhood ▾ Total ▾

Church

Neighbourhood's indicators

Comparison of Neighbourhoods

Health Status ▾

Living Environment ▾ Economic ▾

Social Relationships ▾ Community Control ▾

Discussion issues?

- How best to measure system resilience?
- What analysis would be useful for understanding how changes in the 4 components of resilience are related to health outcomes? What relationships / pathways would be more informative for practice?
- Are there local / national policies / interventions we should be investigating the impact of alongside the CLAHRC resilience activities?
- Is there interest in developing tools for tracking the “system resilience” of neighbourhoods?
- What would be the best way to meaningfully engage residents in this?