

# A Guide to Health and Wellbeing

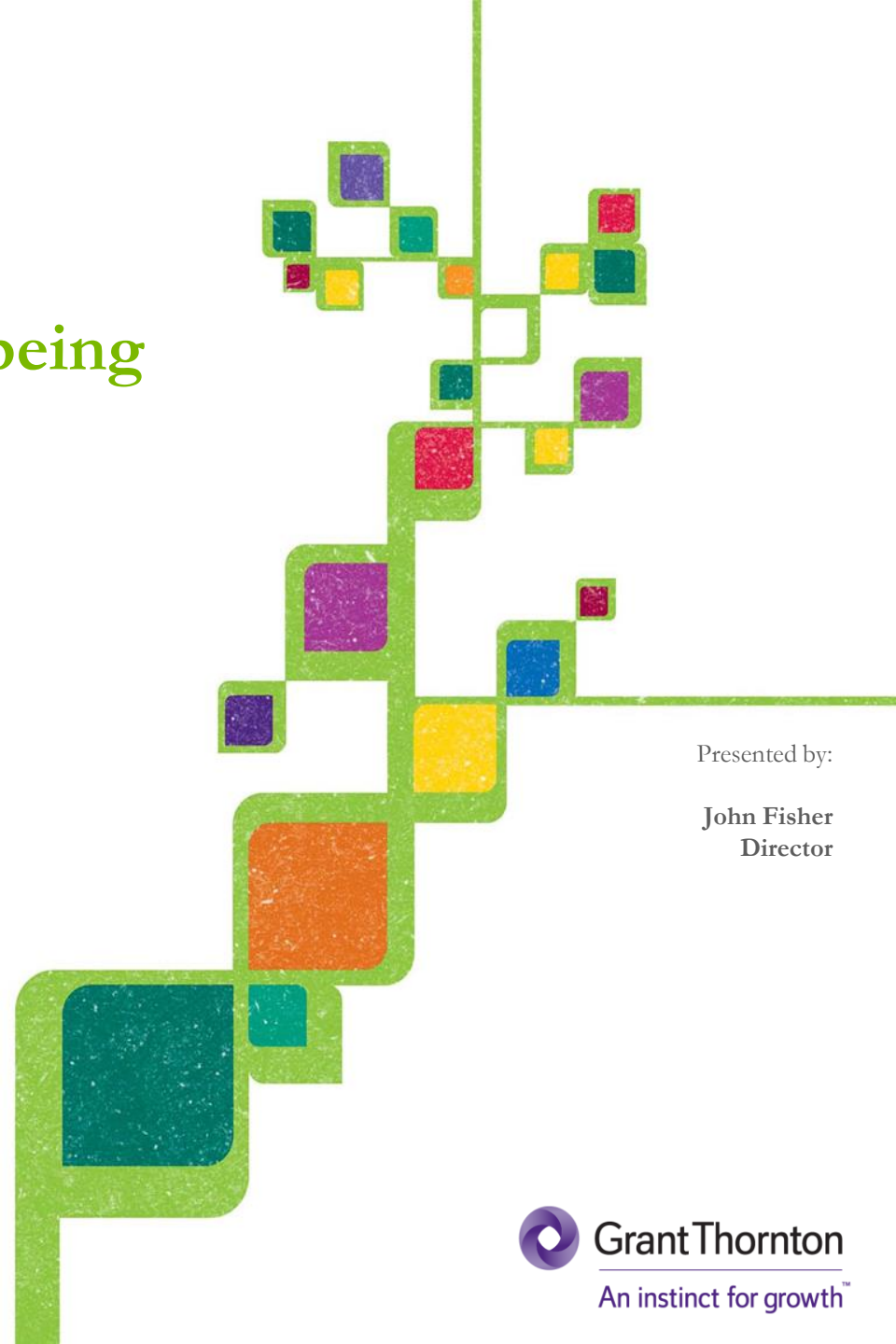
## Presentation to CIPFA

### Health & Social Care Conference

21st October 2015

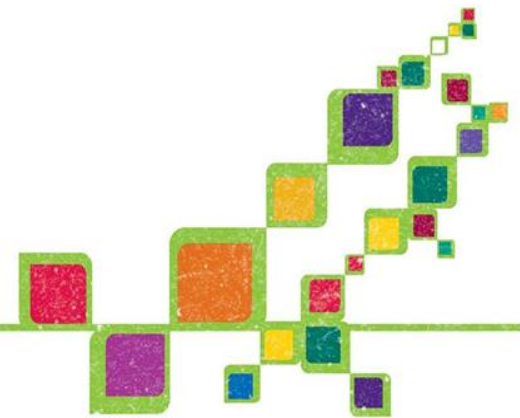
Presented by:

**John Fisher**  
Director



# Agenda

1. Introduction
2. Determinants of ill health
3. Health Outcomes
4. Determinants vs. Outcomes
5. Case study
6. Questions



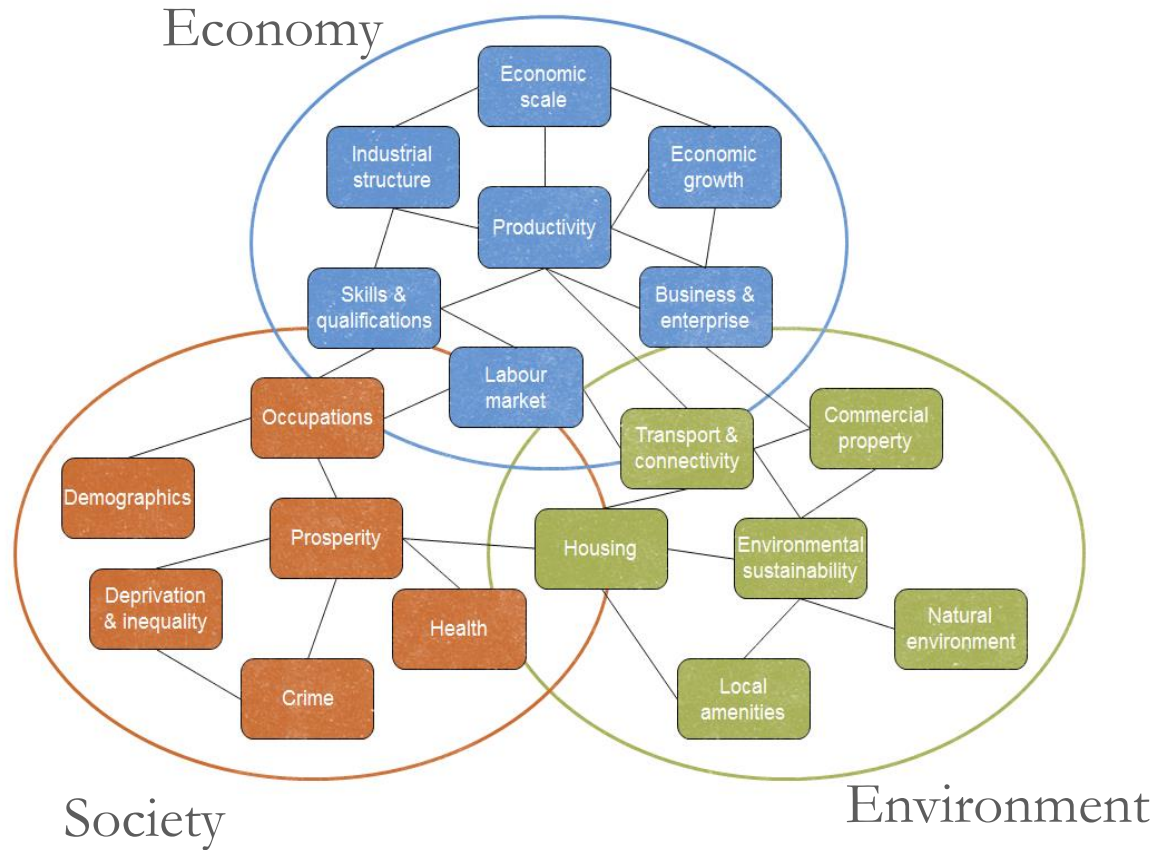
# Introduction

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# Place Analytics



# Key measures



# Background

- **Marmot Review:** Need for an evidence based strategy for reducing health inequalities
- Consider the wider social, economic and environmental determinants of poor health
- Local authorities have vital role to play
- Comparison to health outcomes
- Are places performing above or below what might be expected?

**THE Marmot & MJ Local futures**  
A Health and Well Being Guide to England

### The Determinants of ill Health

**A:** As the health and wellbeing boards get underway, The MJ has teamed up with researchers Local Futures to produce the first guide into how English local authorities are performing in their new responsibilities.

**The three focuses:** The guide is formed of three focuses which will be published over the next few weeks. In this first focus we examine some of the main determinants of ill-health, social and environmental factors. These three themes are explored in sequence over the next couple of pages. The first Determinants focus is a composite score based on all of the measures, some broad, some of which are shown in the map and table on this page. The second focus will look at economic, social and environmental factors which are affecting the choices we make every day about how we live our lives. *Health* is the main focus in this section. Lower performance is more prevalent in the north of England and especially in some of the major towns and cities, such as Nottingham, Stoke and Luton.

**Top 10 Local Authority areas on Determinants Score**

Rank	Local Authority
1	121
2	Flusbury
3	South Gloucestershire
4	Chichester
5	South Northamptonshire

## insight

# Is your authority a top performer in health?

As the health and wellbeing boards get underway, The MJ has teamed up with researchers Local Futures to produce a comprehensive guide to how each English local authority is performing in tackling ill health. In this article John Fisher looks first at the determinants of ill health – economic, social, environmental – and assesses the different challenges faced in different parts of the country.

**Top 10 Local Authority areas on Determinants Score**

Rank	Local Authority
1	121
2	Flusbury
3	South Gloucestershire
4	Chichester
5	South Northamptonshire

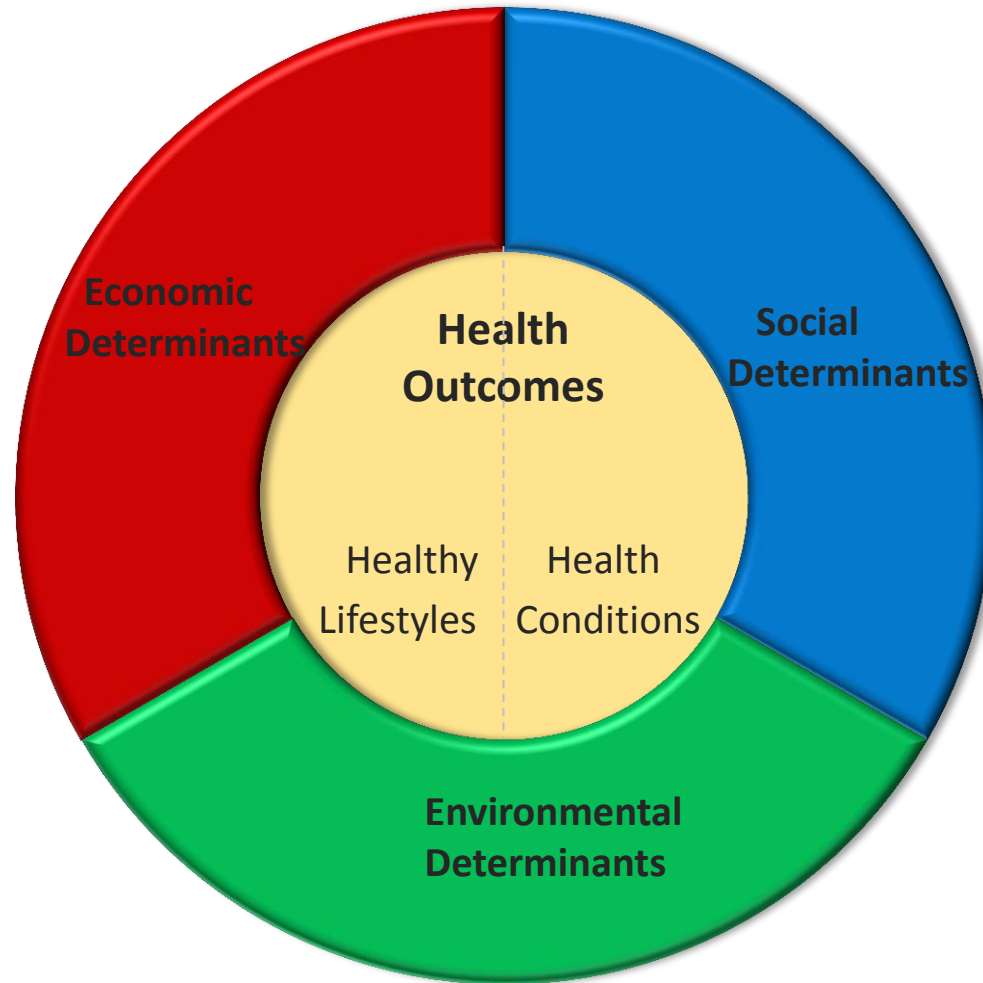
**Top 10 Local Authority areas on Economic Determinants Score**

Rank	Local Authority
1	121
2	Flusbury
3	South Gloucestershire
4	Chichester
5	South Northamptonshire

**Economic Determinants**

Rank	Local Authority
1	121
2	Flusbury
3	South Gloucestershire
4	Chichester
5	South Northamptonshire

# Methodology



# Determinants

## **Economic determinants**

Unemployment  
Qualifications  
Childhood education  
Occupations  
Income

## **Economic determinants**

## **Social determinants**

Deprivation  
Child poverty  
Fuel poverty  
Crime  
Social cohesion

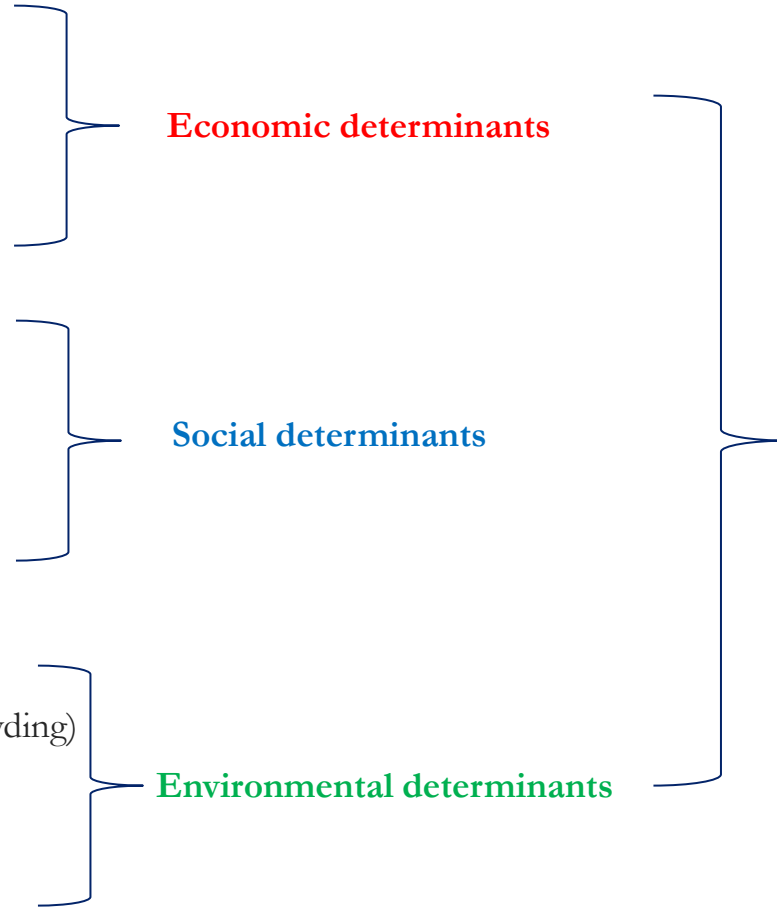
## **Social determinants**

## **Environmental determinants**

Household occupancy (overcrowding)  
Natural environment  
Social housing  
Homelessness  
Living environment

## **Environmental determinants**

## **Determinants Index**





# Outcomes

## Healthy Lifestyles

- Adult obesity
- Child obesity
- Sports participation
- Smoking
- Drug misuse
- Binge drinking
- Under-age pregnancy
- Low birth weight

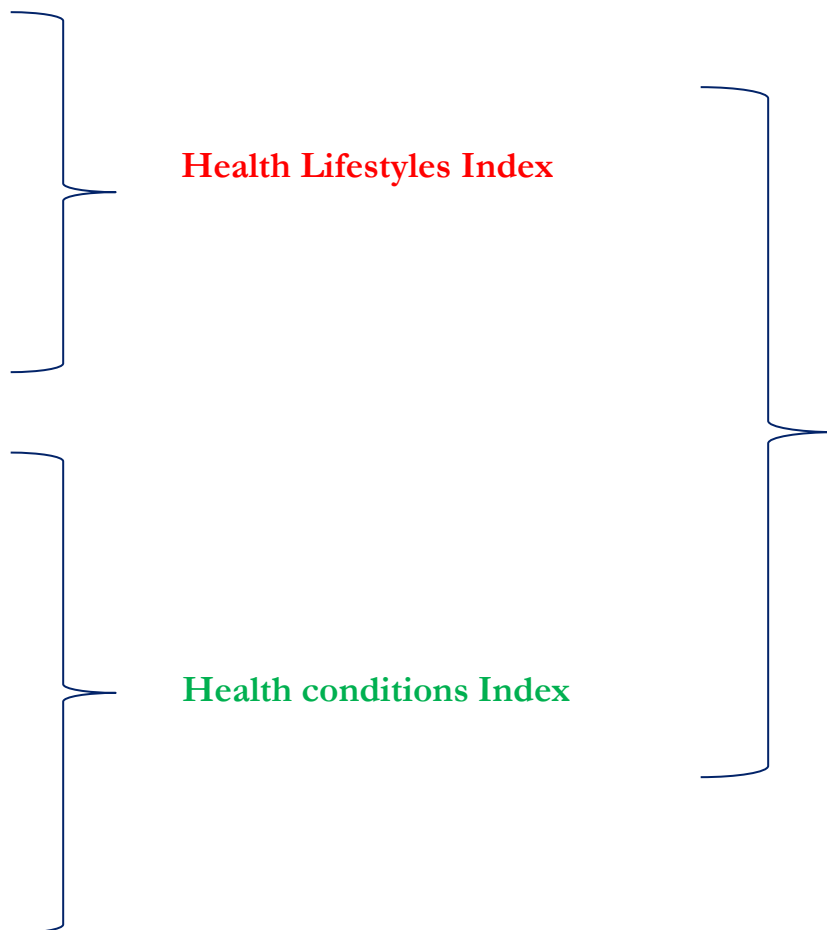
## Health Lifestyles Index

## Health Conditions

- Life expectancy
- Infant mortality
- Cancer mortality
- Suicide mortality
- Circulatory mortality
- Alcohol mortality
- Excess winter deaths
- Hip fractures
- Diabetes
- Self-reported Well-being

## Health conditions Index

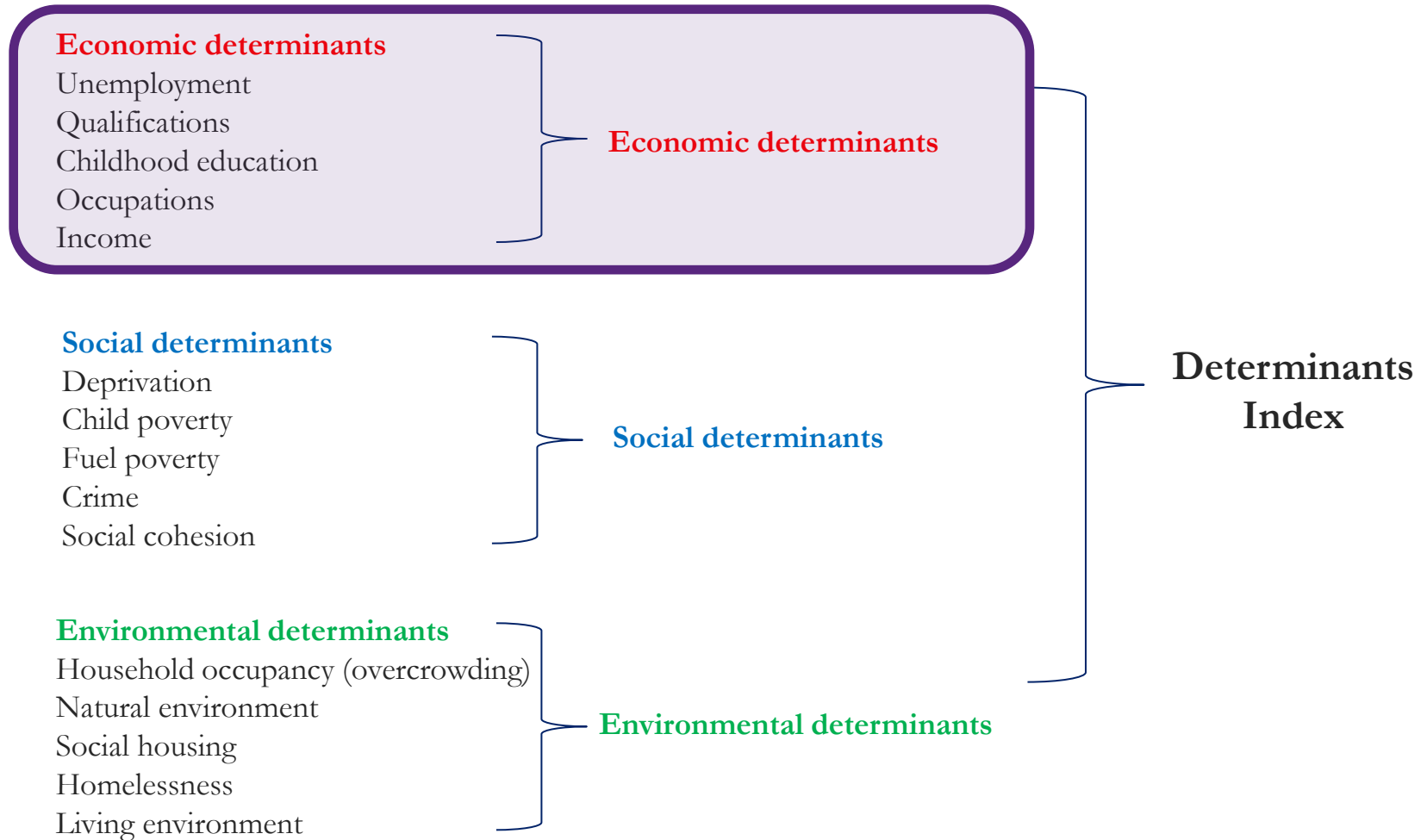
## Outcomes Index



# Findings- Determinants

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# Economic Determinants



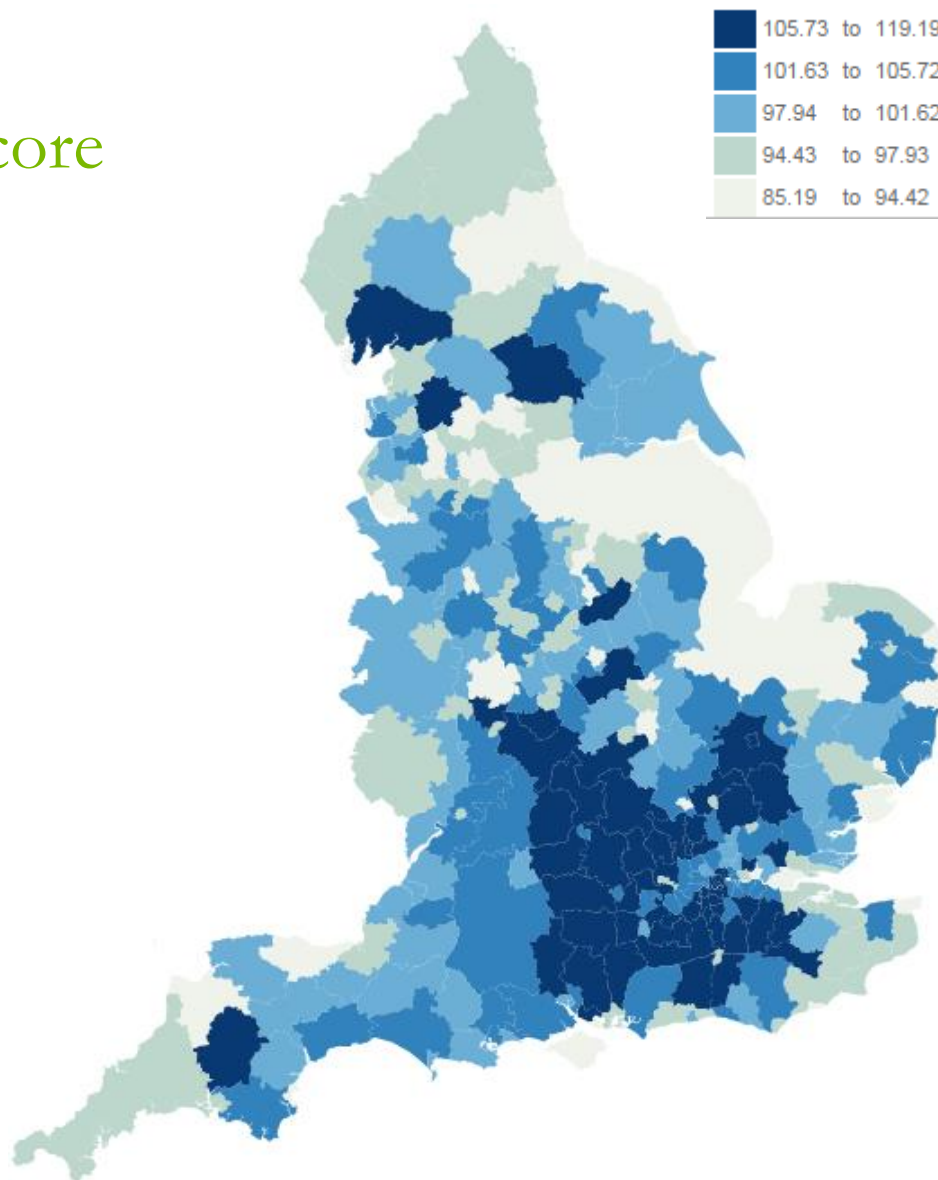
# Economic Determinants Score

## Top 10

Rank	District(2009)	Region
1	Richmond-upon-Thames	London
2	Elmbridge	South East
3	Kensington and Chelsea	London
4	Chiltern	South East
5	St Albans	East of England
6	Wandsworth	London
7	Mole Valley	South East
8	Hart	South East
9	Surrey Heath	South East
10	Westminster, City of	London

## Bottom 10

Rank	District(2009)	Region
315	Thanet	South East
316	Blackpool	North West
317	Mansfield	East Midlands
318	Great Yarmouth	East of England
319	Middlesbrough	North East
320	Sandwell	West Midlands
321	North East Lincolnshire	Yorkshire and Humber
322	Boston	East Midlands
323	Kingston upon Hull	Yorkshire and Humber
324	Wolverhampton	West Midlands



# Social Determinants

## Economic determinants

Unemployment  
Qualifications  
Childhood education  
Occupations  
Income

## Economic determinants

## Social determinants

Deprivation  
Child poverty  
Fuel poverty  
Crime  
Social cohesion

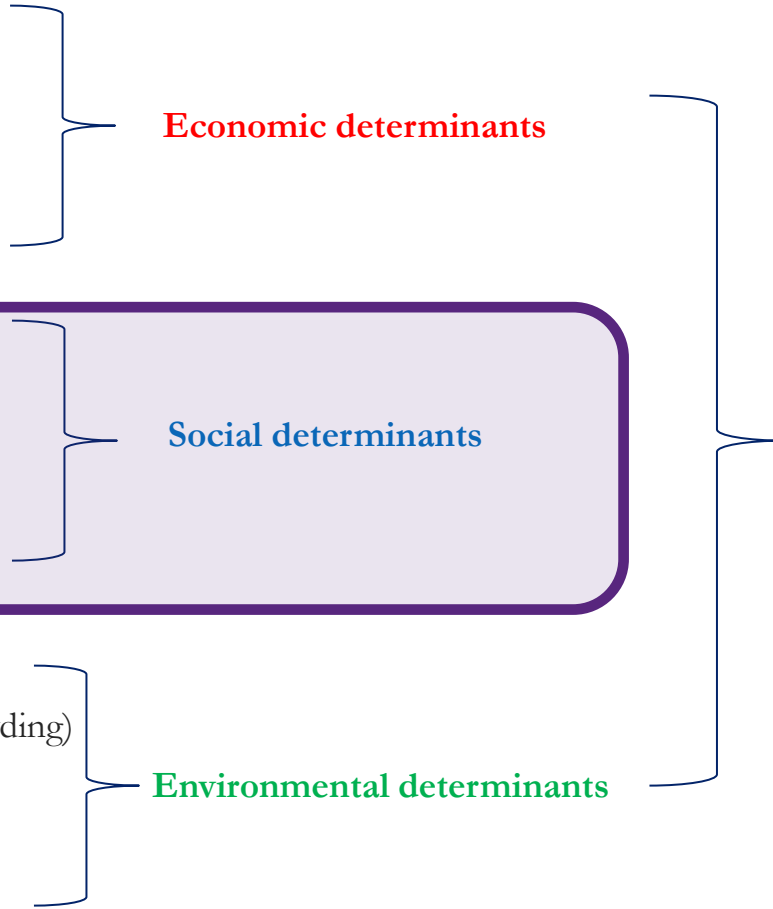
## Social determinants

## Environmental determinants

Household occupancy (overcrowding)  
Natural environment  
Social housing  
Homelessness  
Living environment

## Environmental determinants

## Determinants Index



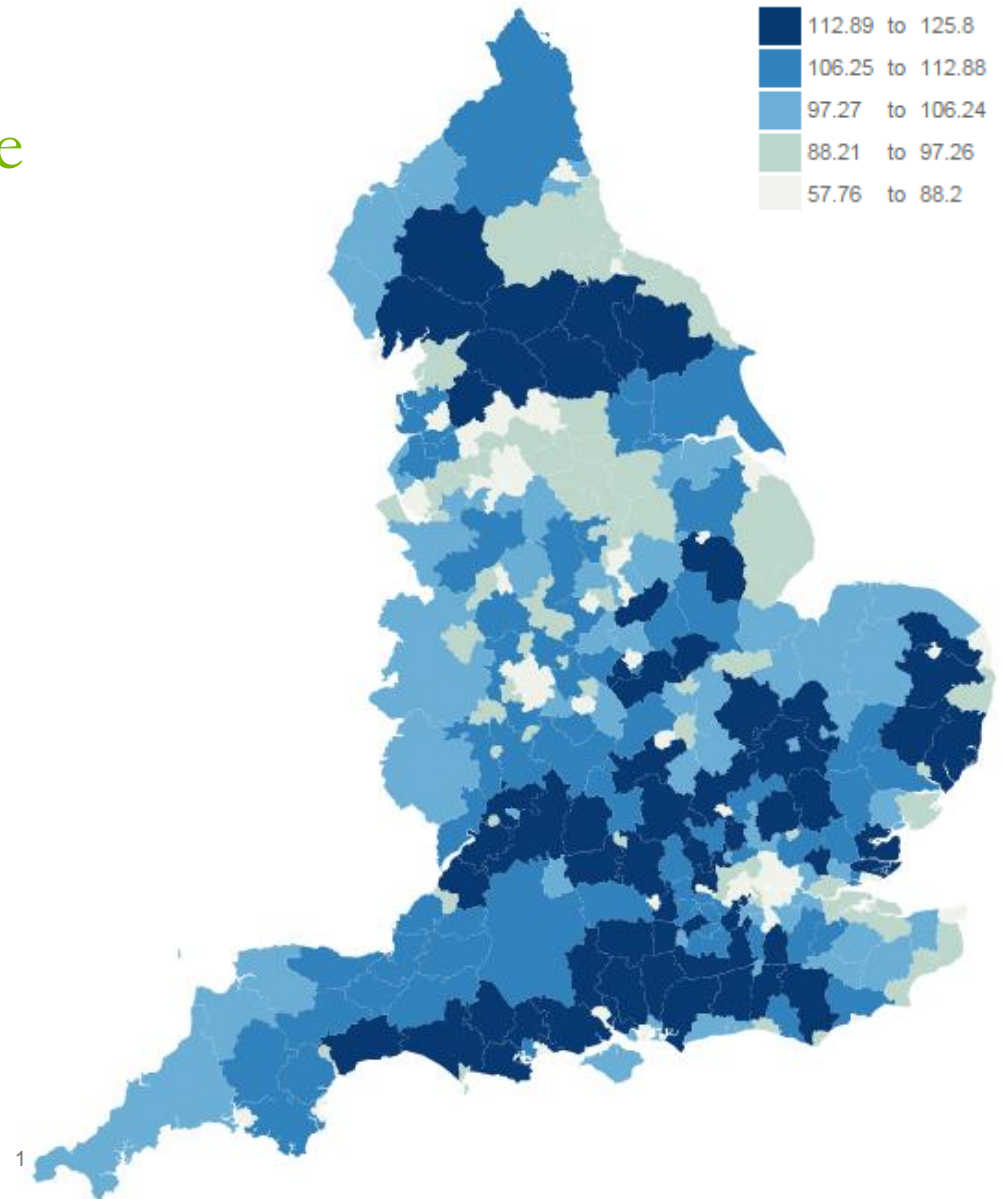
# Social Determinants Score

## Top 10

Rank	District(2009)	Region
1	Hart	South East
2	Wokingham	South East
3	East Dorset	South West
4	South Cambridgeshire	East of England
5	Broadland	East of England
6	South Northamptonshire	East Midlands
7	Mid Sussex	South East
8	Horsham	South East
9	Uttlesford	East of England
10	Rochford	East of England

## Bottom 10

Rank	District(2009)	Region
315	Hackney	London
316	Birmingham	West Midlands
317	Barking and Dagenham	London
318	Manchester	North West
319	Westminster, City of	London
320	Nottingham	East Midlands
321	Leicester City	East Midlands
322	Tower Hamlets	London
323	Blackpool	North West
324	Newham	London



# Environmental Determinants

## Economic determinants

Unemployment  
Qualifications  
Childhood education  
Occupations  
Income

## Economic determinants

## Social determinants

Deprivation  
Child poverty  
Fuel poverty  
Crime  
Social cohesion

## Social determinants

## Environmental determinants

Household occupancy (overcrowding)  
Natural environment  
Social housing  
Homelessness  
Living environment

## Environmental determinants

Determinants  
Index

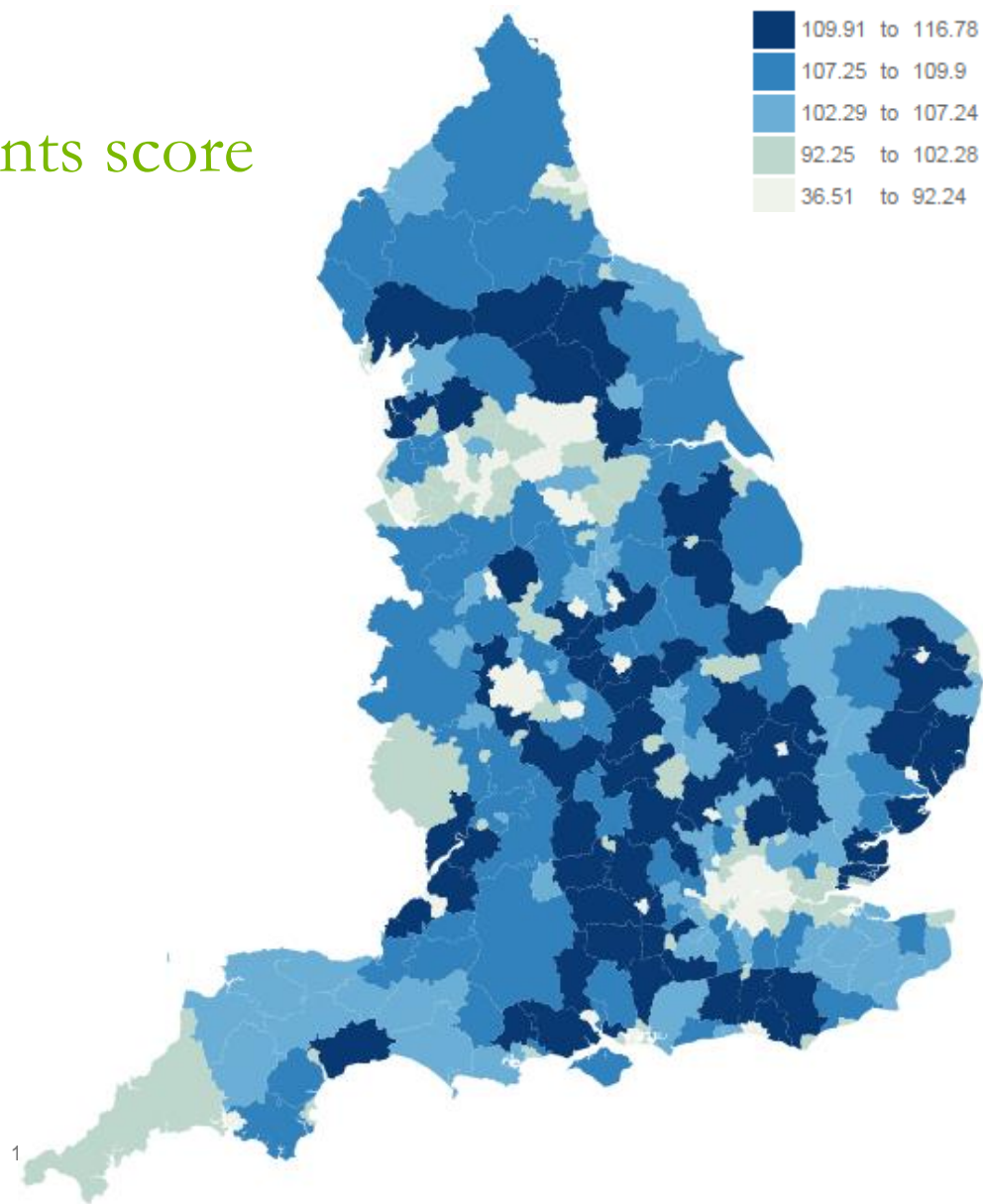
# Environmental determinants score

## Top 10

Rank	District(2009)	Region
1	Hart	South East
2	Harborough	East Midlands
3	East Dorset	South West
4	Blaby	East Midlands
5	North Kesteven	East Midlands
6	Wokingham	South East
7	Rushcliffe	East Midlands
8	Broadland	East of England
9	South Northamptonshire	East Midlands
10	Fylde	North West

## Bottom 10

Rank	District(2009)	Region
315	Birmingham	West Midlands
316	Hammersmith and Fulham	London
317	Kensington and Chelsea	London
318	Westminster, City of	London
319	Lambeth	London
320	Tower Hamlets	London
321	Islington	London
322	Southwark	London
323	Newham	London
324	Hackney	London





# Social Determinants

## **Economic determinants**

Unemployment  
Qualifications  
Childhood education  
Occupations  
Income

## **Economic determinants**

## **Social determinants**

Deprivation  
Child poverty  
Fuel poverty  
Crime  
Social cohesion

## **Social determinants**

## **Environmental determinants**

Household occupancy (overcrowding)  
Natural environment  
Social housing  
Homelessness  
Living environment

## **Environmental determinants**

**Determinants  
Index**

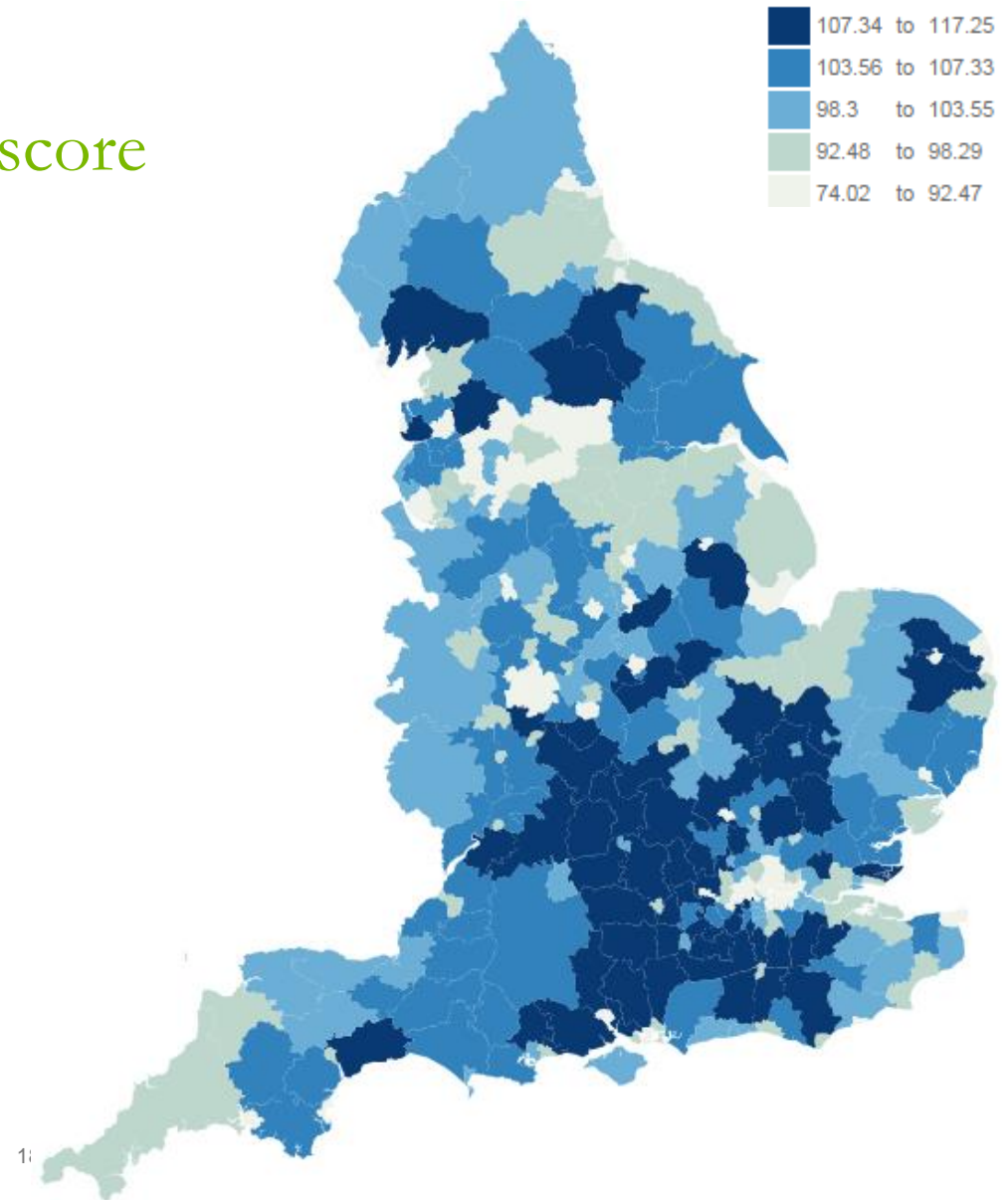
# Determinants composite score

## Top 10

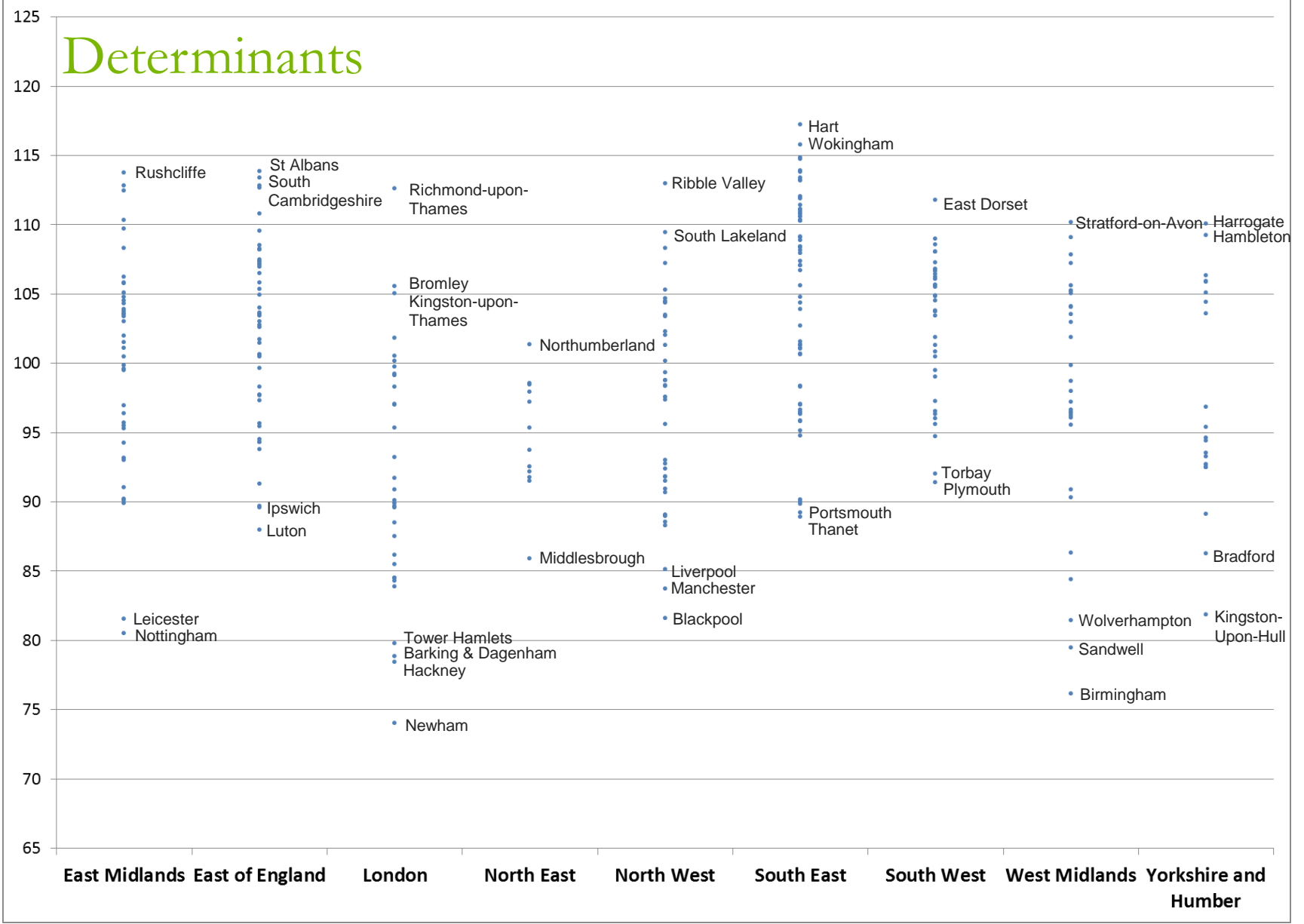
Rank	District(2009)	Region
1	Hart	South East
2	Wokingham	South East
3	Chiltern	South East
4	Elmbridge	South East
5	Mole Valley	South East
6	St Albans	East of England
7	Surrey Heath	South East
8	Rushcliffe	East Midlands
9	South Oxfordshire	South East
10	South Cambridgeshire	East of England

## Bottom 10

Rank	District(2009)	Region
315	Blackpool	North West
316	Leicester City	East Midlands
317	Wolverhampton	West Midlands
318	Nottingham	East Midlands
319	Tower Hamlets	London
320	Sandwell	West Midlands
321	Barking and Dagenham	London
322	Hackney	London
323	Birmingham	West Midlands
324	Newham	London



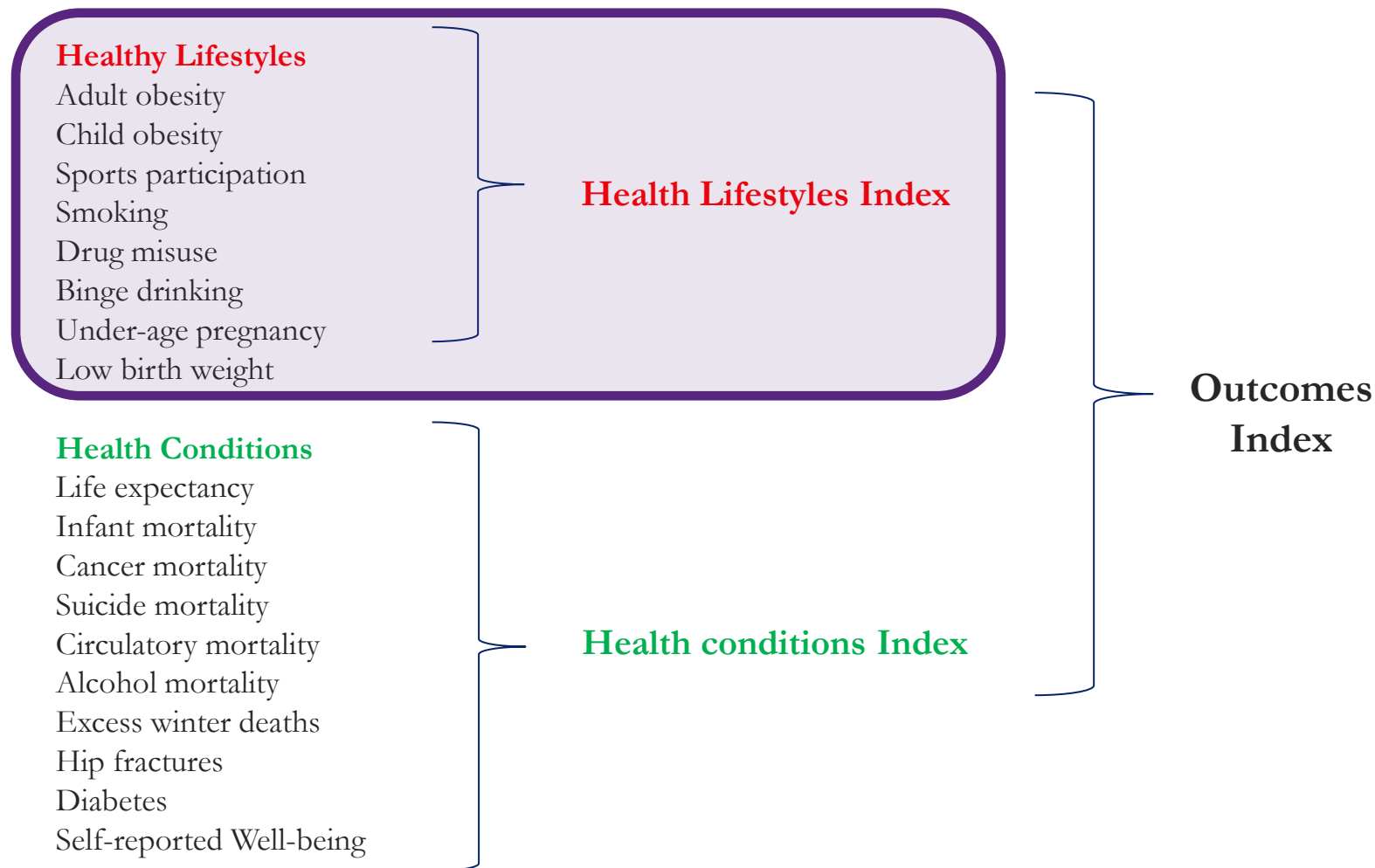
# Determinants



# Findings – Health Outcomes

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## Outcomes - Healthy lifestyles



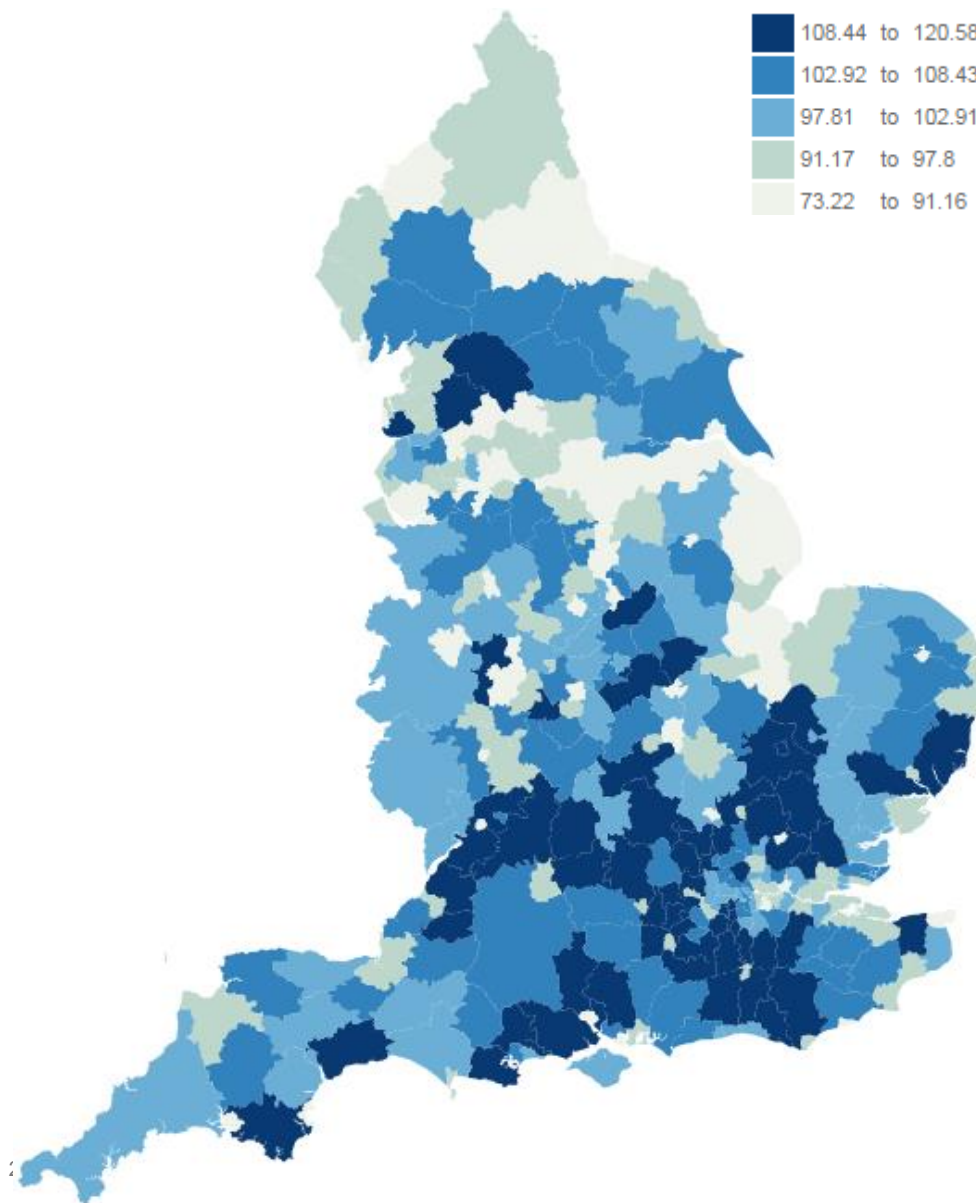
# Healthy Lifestyles Score

## Top 10

Rank	District(2009)	Region
1	Hart	South East
2	St Albans	East of England
3	Mole Valley	South East
4	Richmond-upon-Thames	London
5	Tandridge	South East
6	Waverley	South East
7	Brentwood	East of England
8	Windsor and Maidenhead	South East
9	Wokingham	South East
10	Winchester	South East

## Bottom 10

Rank	District(2009)	Region
315	Mansfield	East Midlands
316	Walsall	West Midlands
317	Barnsley	Yorkshire and Humber
318	Kingston upon Hull	Yorkshire and Humber
319	Middlesbrough	North East
320	Hartlepool	North East
321	Stoke on Trent	West Midlands
322	Burnley	North West
323	Lincoln	East Midlands
324	Blackpool	North West



# Outcomes- Health Conditions

## Healthy Lifestyles

Adult obesity  
Child obesity  
Sports participation  
Smoking  
Drug misuse  
Binge drinking  
Under-age pregnancy  
Low birth weight

## Healthy Lifestyles Index

## Health Conditions

Life expectancy  
Infant mortality  
Cancer mortality  
Suicide mortality  
Circulatory mortality  
Alcohol mortality  
Excess winter deaths  
Hip fractures  
Diabetes  
Self-reported Well-being

## Health conditions Index

## Outcomes Index

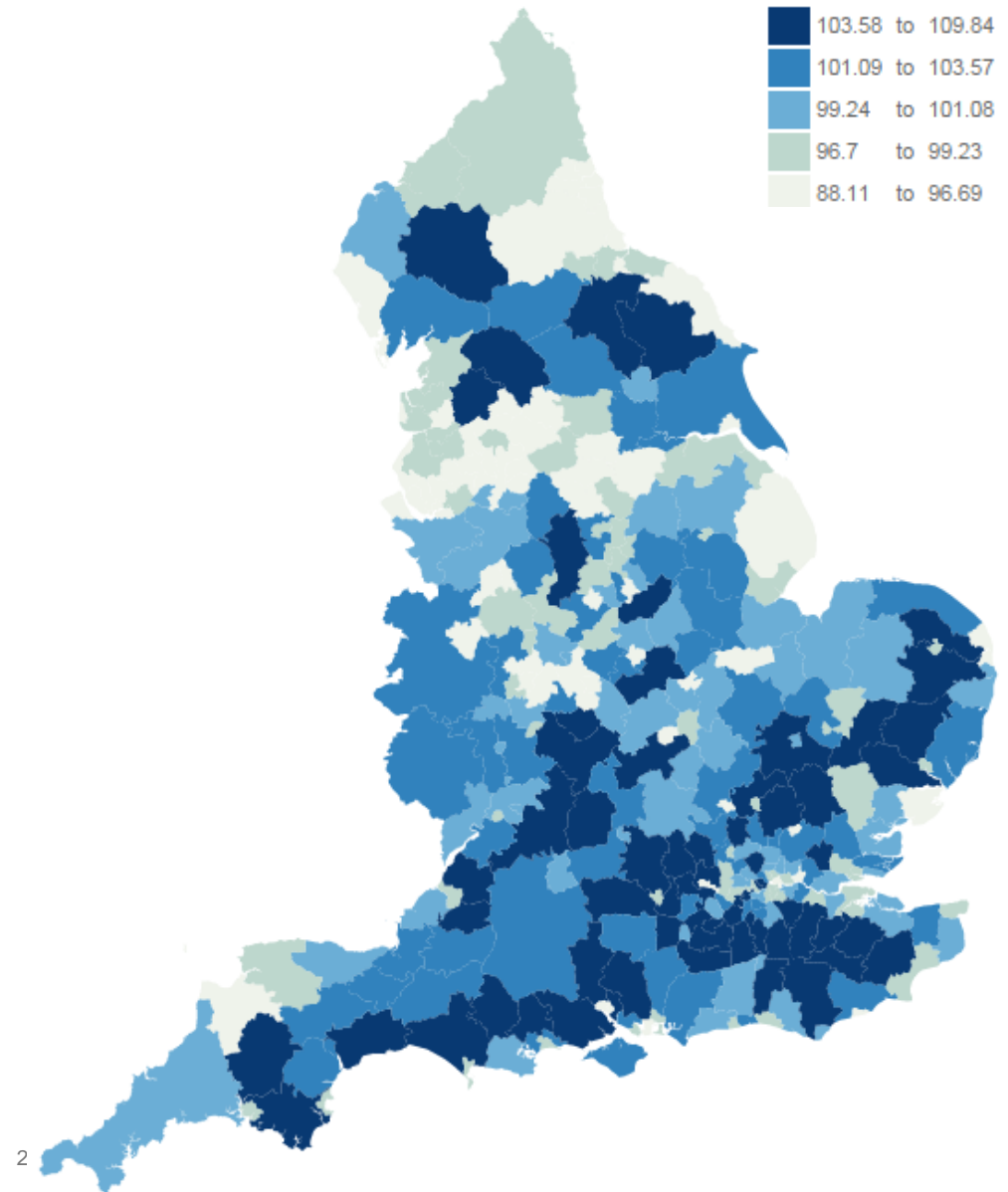
# Health Conditions Score

## Top 10

Rank	District(2009)	Region
1	Hart	South East
2	Babergh	East of England
3	Winchester	South East
4	South Cambridgeshire	East of England
5	Ribble Valley	North West
6	Wokingham	South East
7	South Northamptonshire	East Midlands
8	Eastleigh	South East
9	Mole Valley	South East
10	Kensington and Chelsea	London

## Bottom 10

Rank	District(2009)	Region
315	Blackburn	North West
316	Knowsley	North West
317	Rochdale	North West
318	Liverpool	North West
319	Sandwell	West Midlands
320	Corby	East Midlands
321	Preston	North West
322	Stoke on Trent	West Midlands
323	Blackpool	North West
324	Manchester	North West





# Outcomes

## Healthy Lifestyles

Adult obesity  
Child obesity  
Sports participation  
Smoking  
Drug misuse  
Binge drinking  
Under-age pregnancy  
Low birth weight

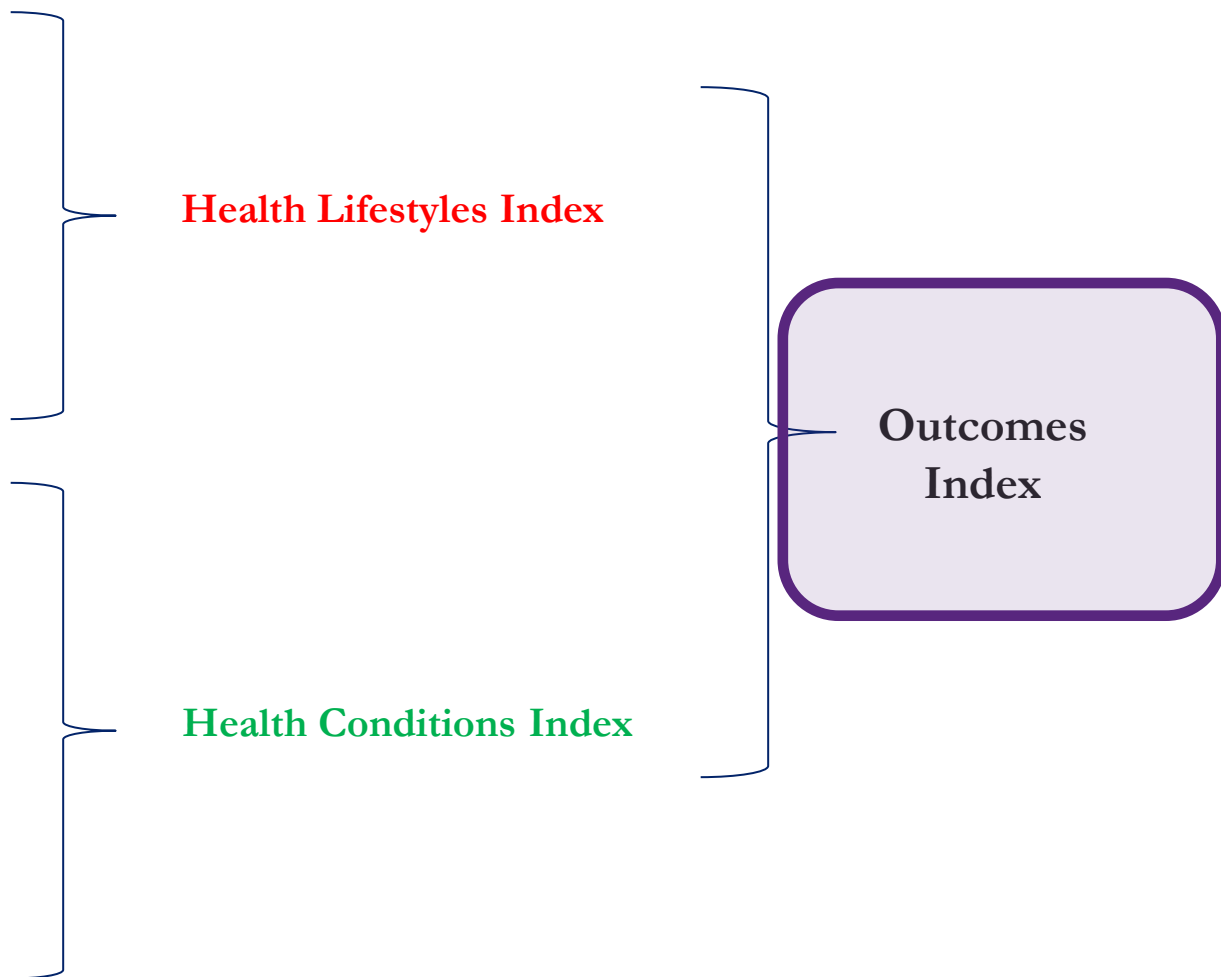
## Health Lifestyles Index

## Health Conditions

Life expectancy  
Infant mortality  
Cancer mortality  
Suicide mortality  
Circulatory mortality  
Alcohol mortality  
Excess winter deaths  
Hip fractures  
Diabetes  
Self-reported Well-being

## Health Conditions Index

Outcomes  
Index



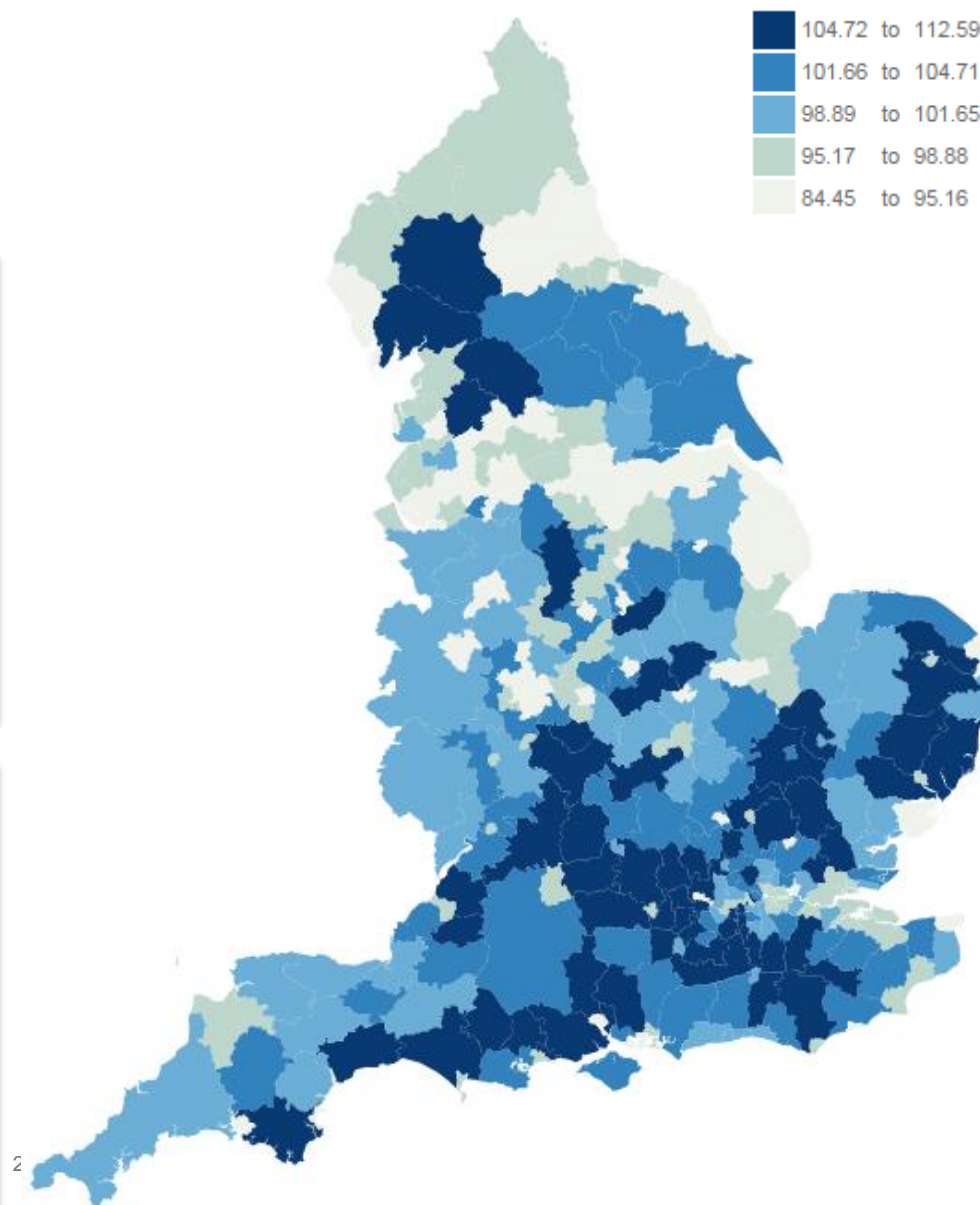
# Health Outcomes Index

## Top 10

Rank	District(2009)	Region
1	Hart	South East
2	Mole Valley	South East
3	Richmond-upon-Thames	London
4	Winchester	South East
5	South Cambridgeshire	East of England
6	Wokingham	South East
7	Waverley	South East
8	St Albans	East of England
9	South Buckinghamshire	South East
10	Epsom and Ewell	South East

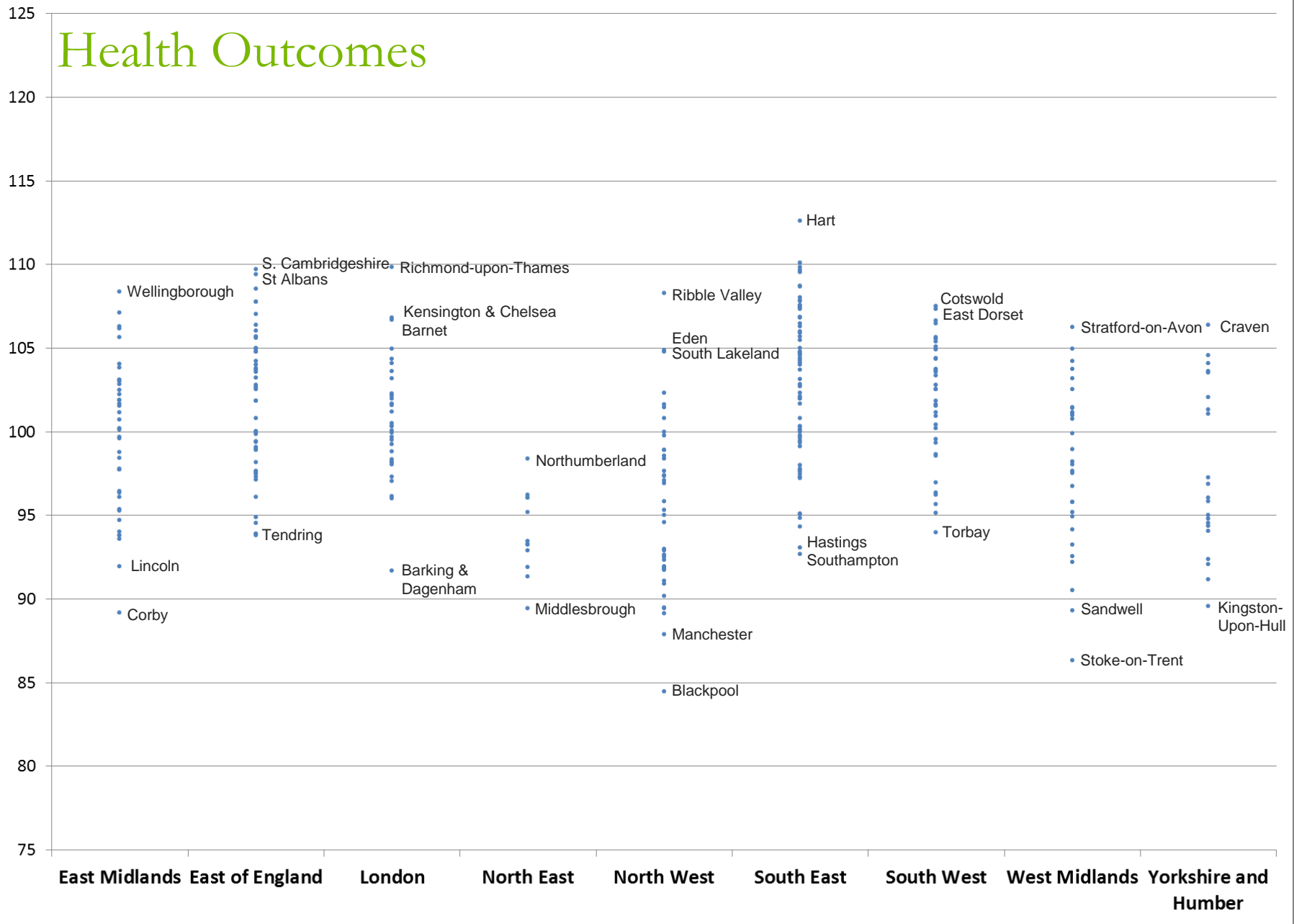
## Bottom 10

Rank	District(2009)	Region
315	Kingston upon Hull	Yorkshire and Humber
316	Liverpool	North West
317	Knowsley	North West
318	Middlesbrough	North East
319	Sandwell	West Midlands
320	Corby	East Midlands
321	Burnley	North West
322	Manchester	North West
323	Stoke on Trent	West Midlands
324	Blackpool	North West



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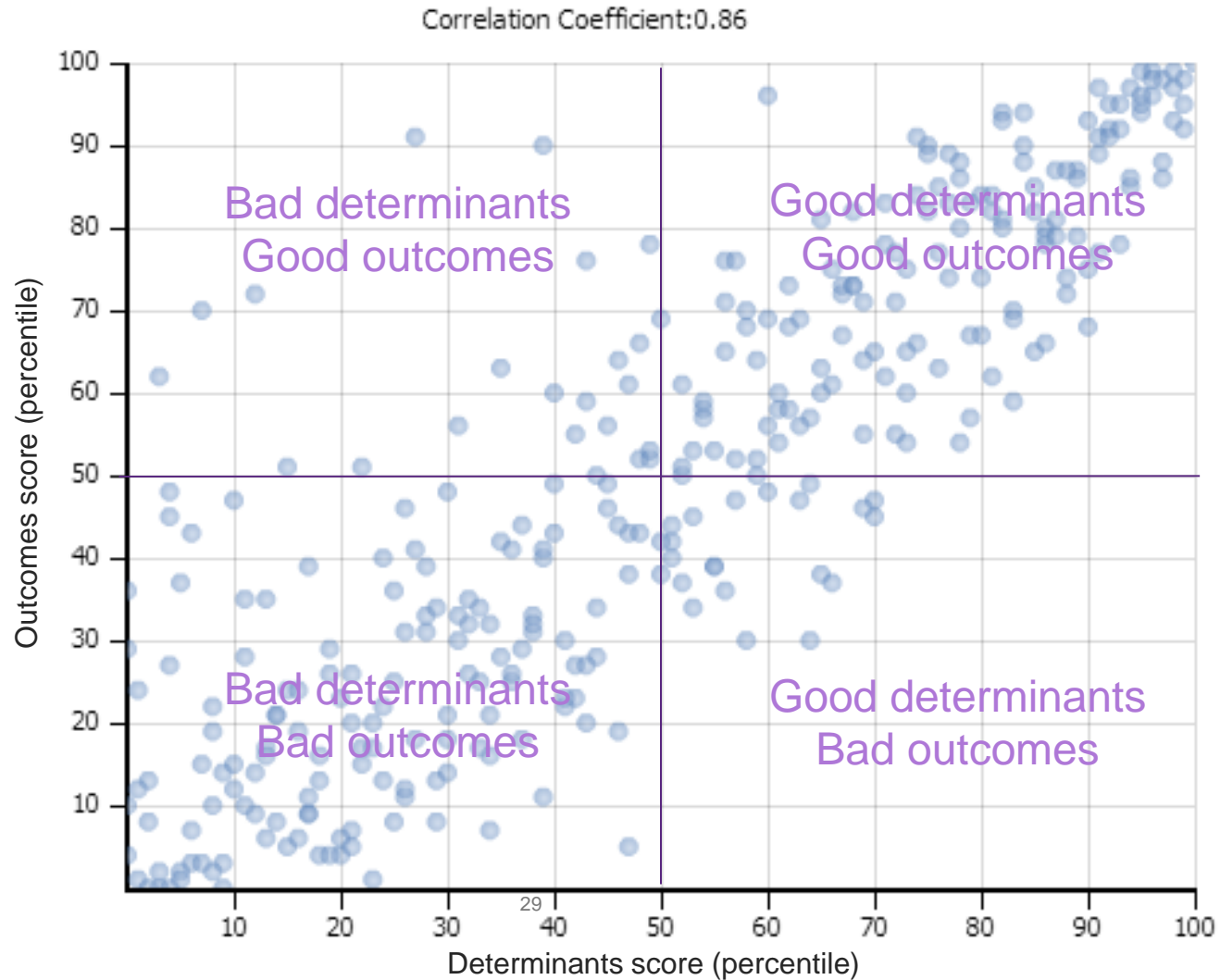
# Health Outcomes



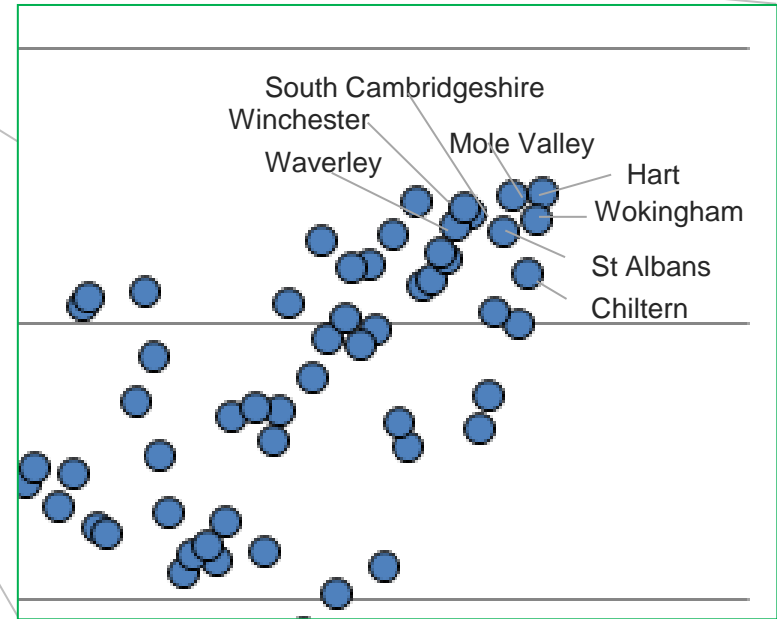
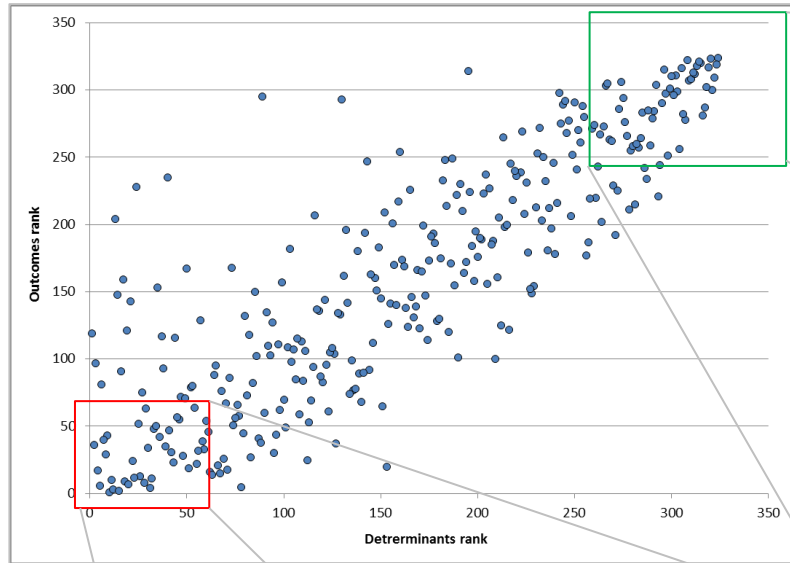
# Findings- Determinants vs. Outcomes

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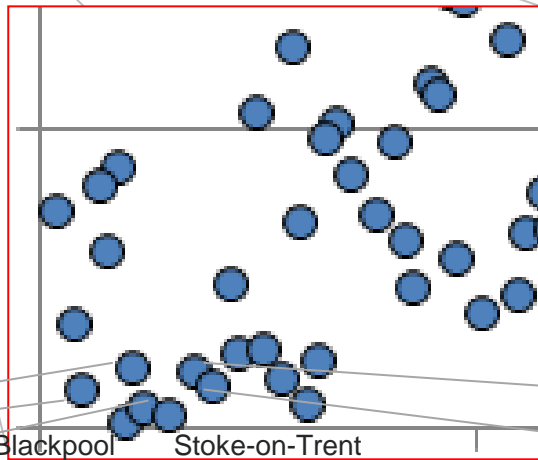
# Determinants vs. Outcomes



# Determinants vs. Outcomes

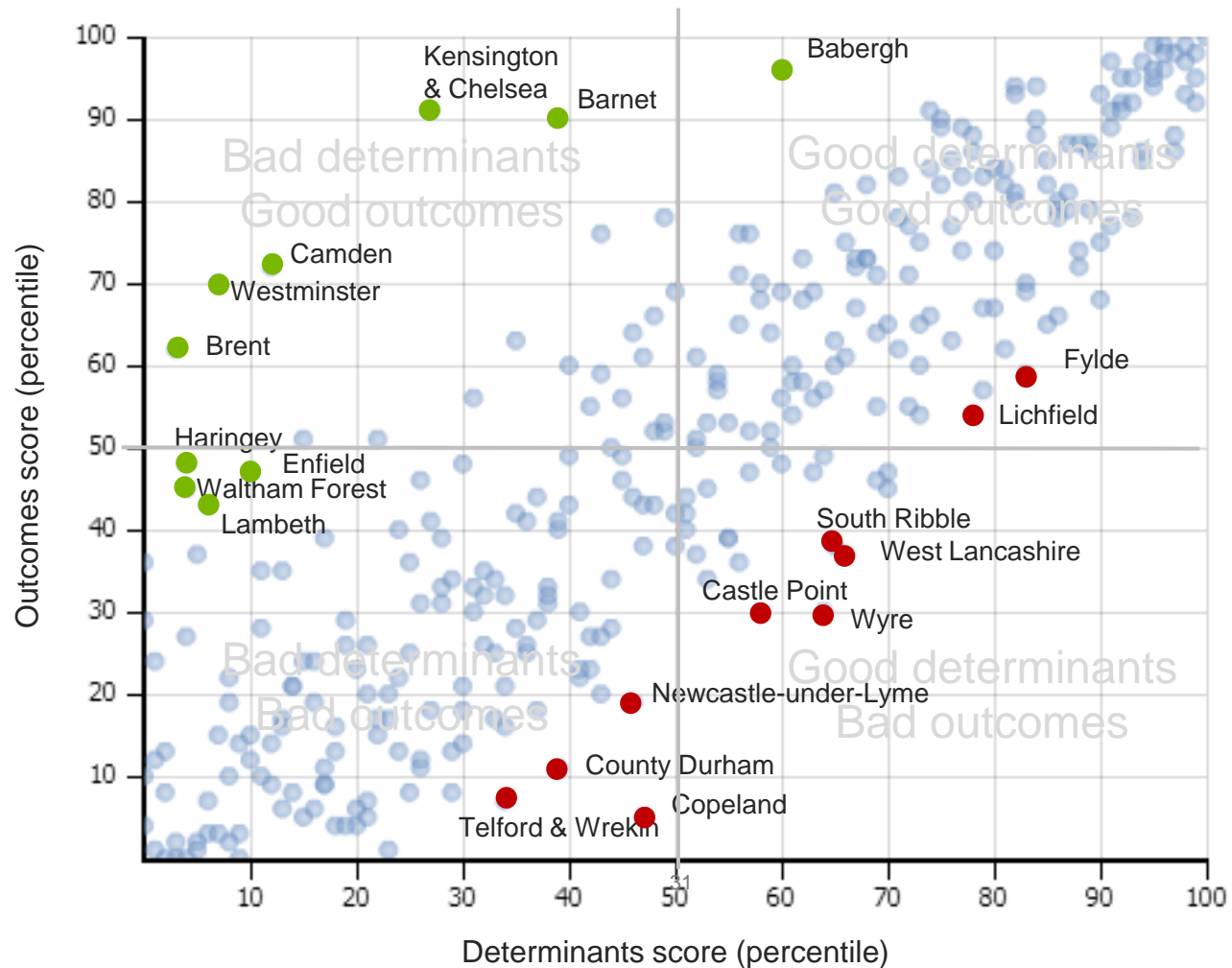


**Good Determinants + Good Outcomes**



**Poor Determinants + Poor Outcomes**

# Top 10 Overachieving and Underachieving



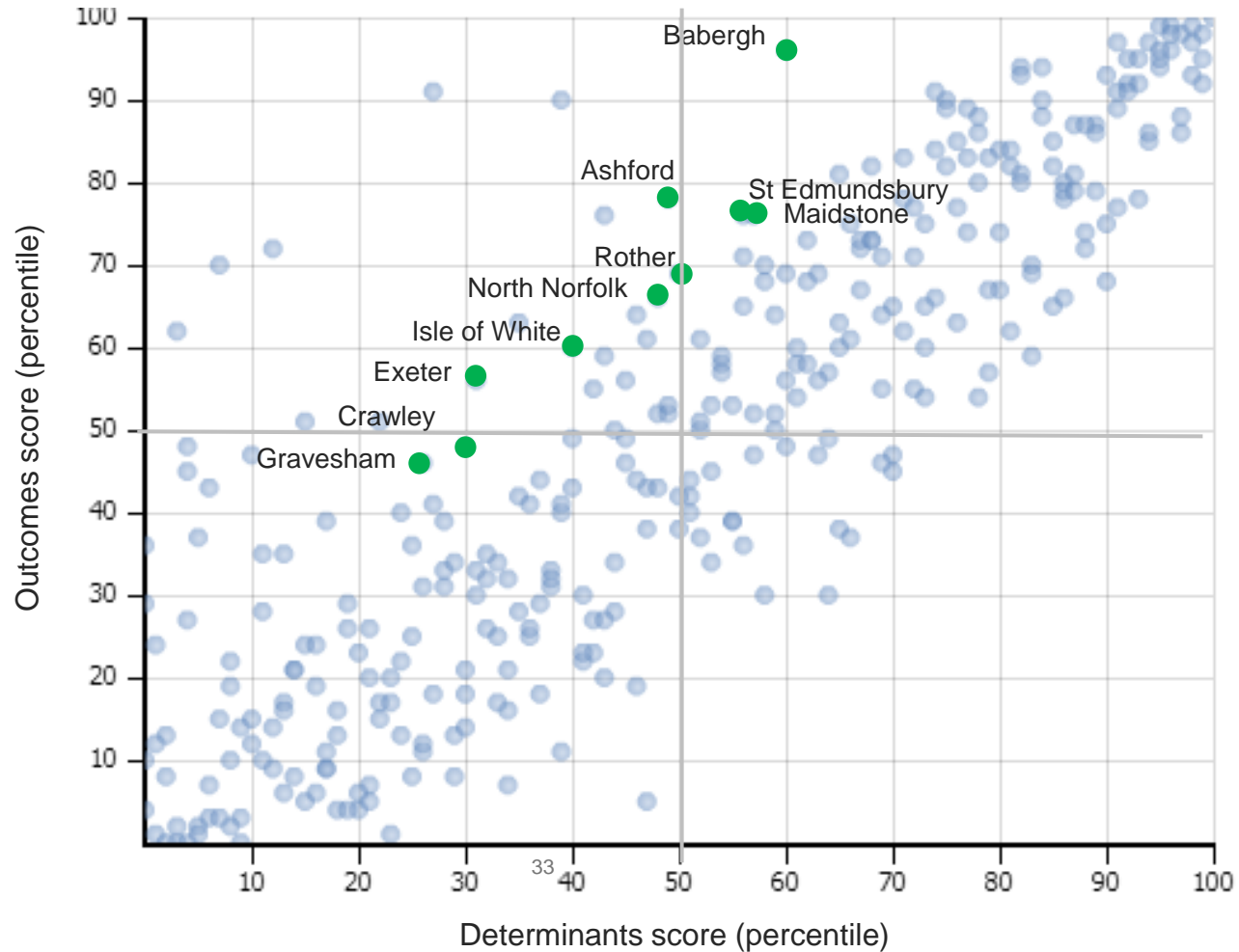
# Top 10 Overachieving and Underachieving

<b>Top 10</b>	<b>Determinants rank</b>	<b>Outcomes rank</b>	<b>Rank difference</b>
Kensington and Chelsea	236	30	206
Westminster	301	97	204
Camden	285	90	195
Brent	312	121	191
Barnet	195	32	163
Haringey	308	166	142
Waltham Forest	311	177	134
Lambeth	304	182	122
Babergh	130	11	119
Enfield	290	172	118

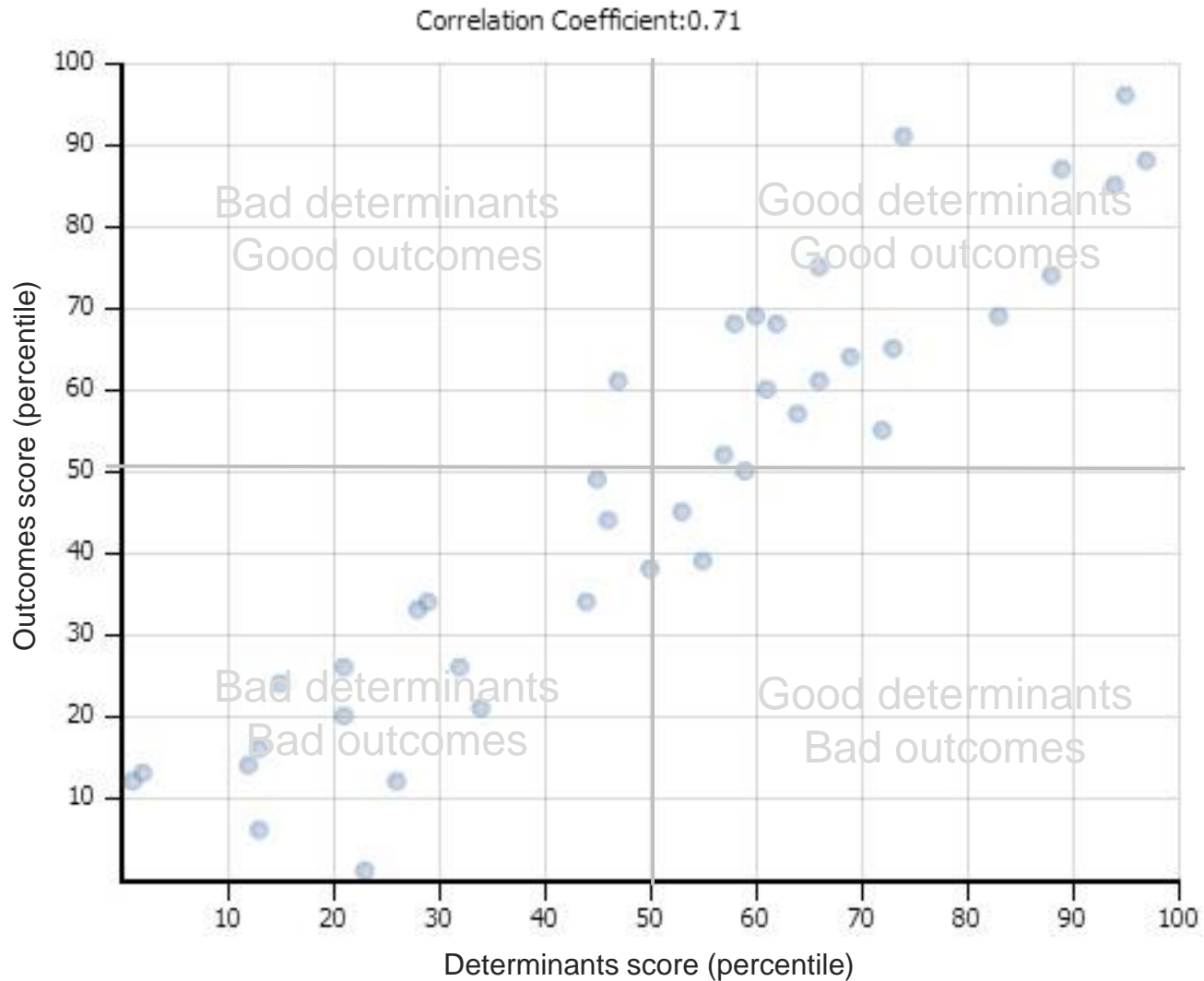
<b>Bottom 10</b>	<b>Determinants rank</b>	<b>Outcomes rank</b>	<b>Rank difference</b>
St. Helens	230	295	-65
Bromsgrove	44	110	-66
Aylesbury Vale	47	114	-67
Cheshire East	68	138	-70
Basingstoke and Deane	32	104	-72
Sefton	185	257	-72
Corby	247	320	-73
Maldon	96	171	-75
Stafford	98	173	-75
Chorley	97	176	-79



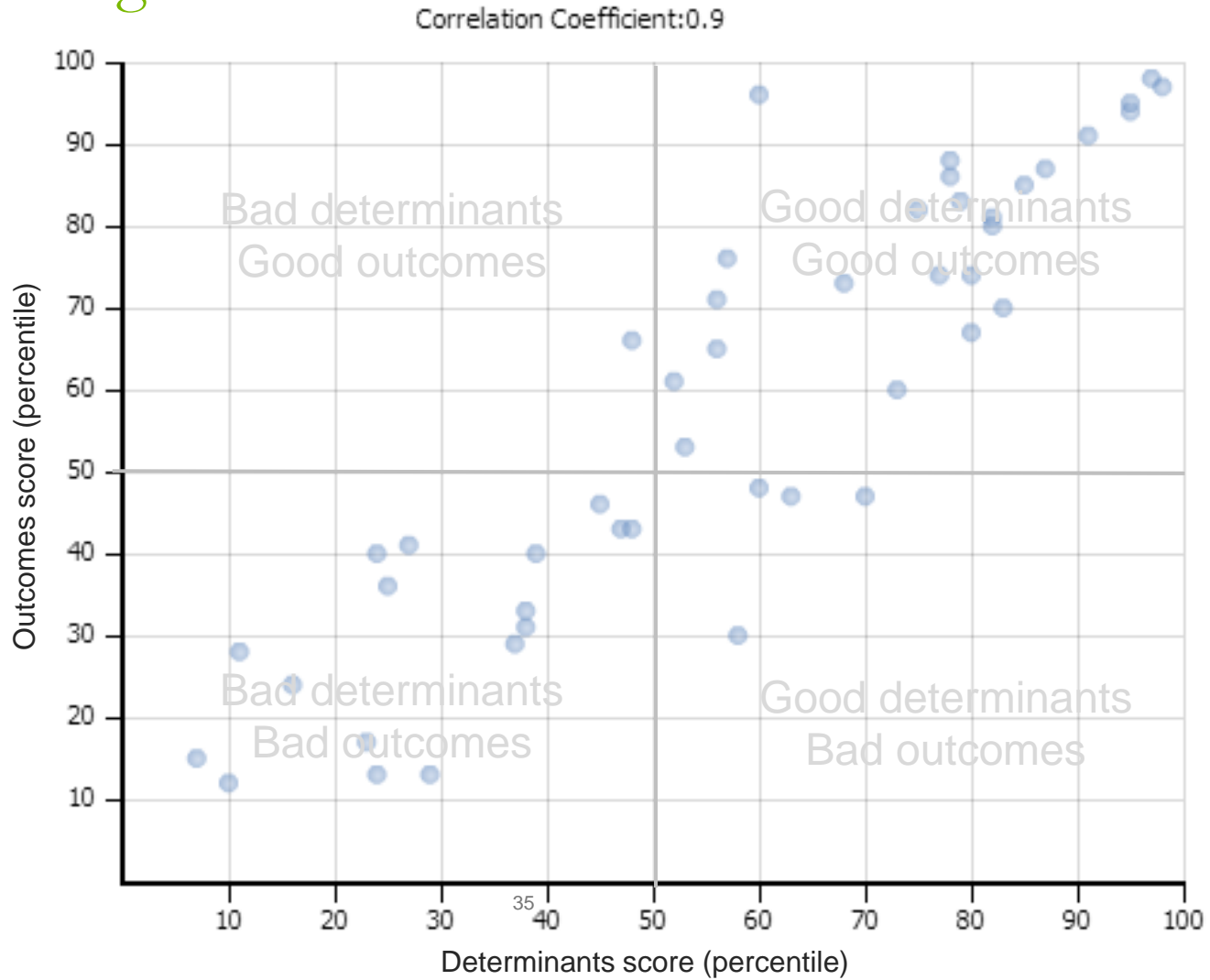
# Top 10 overachievers outside of London



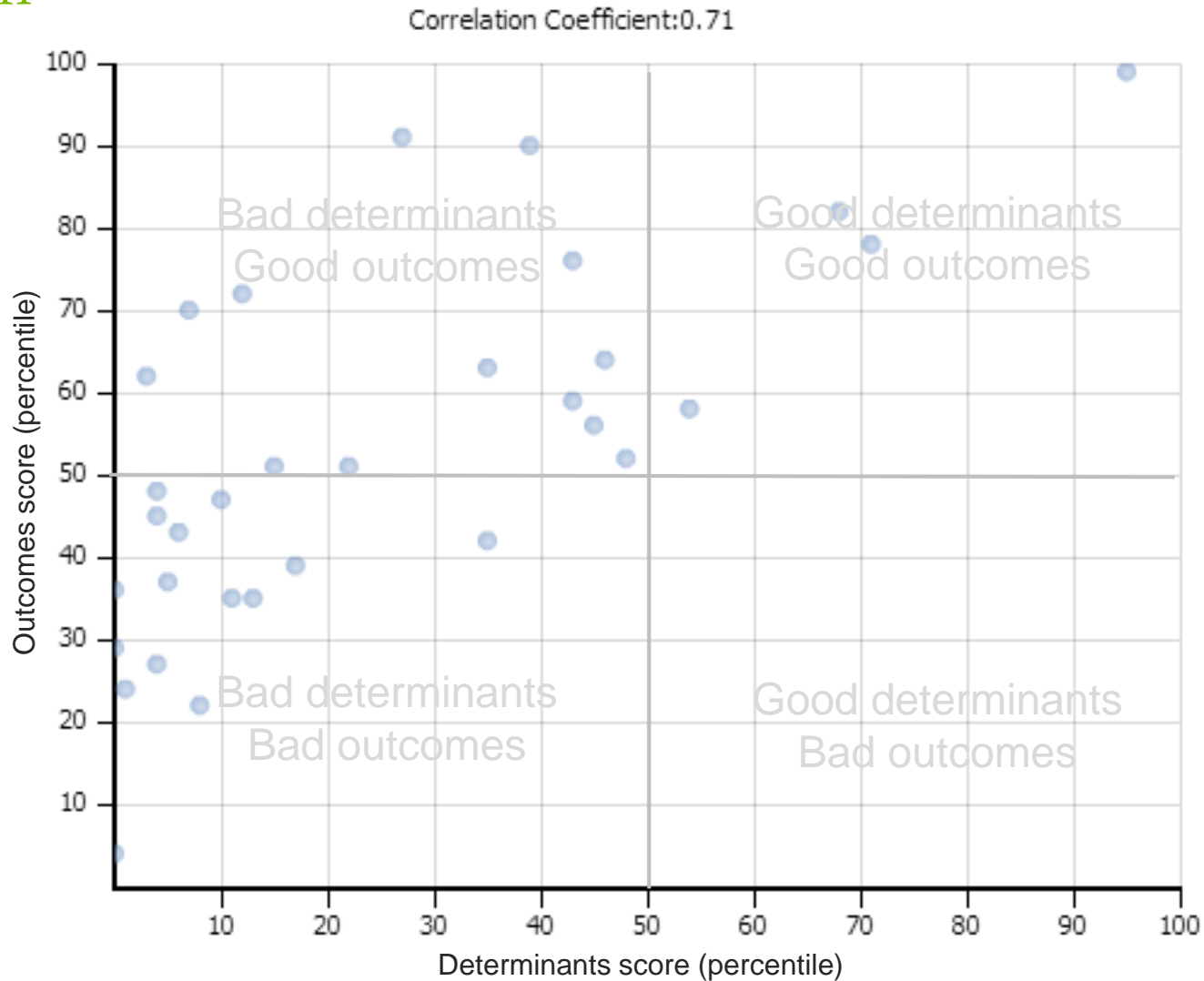
# East Midlands



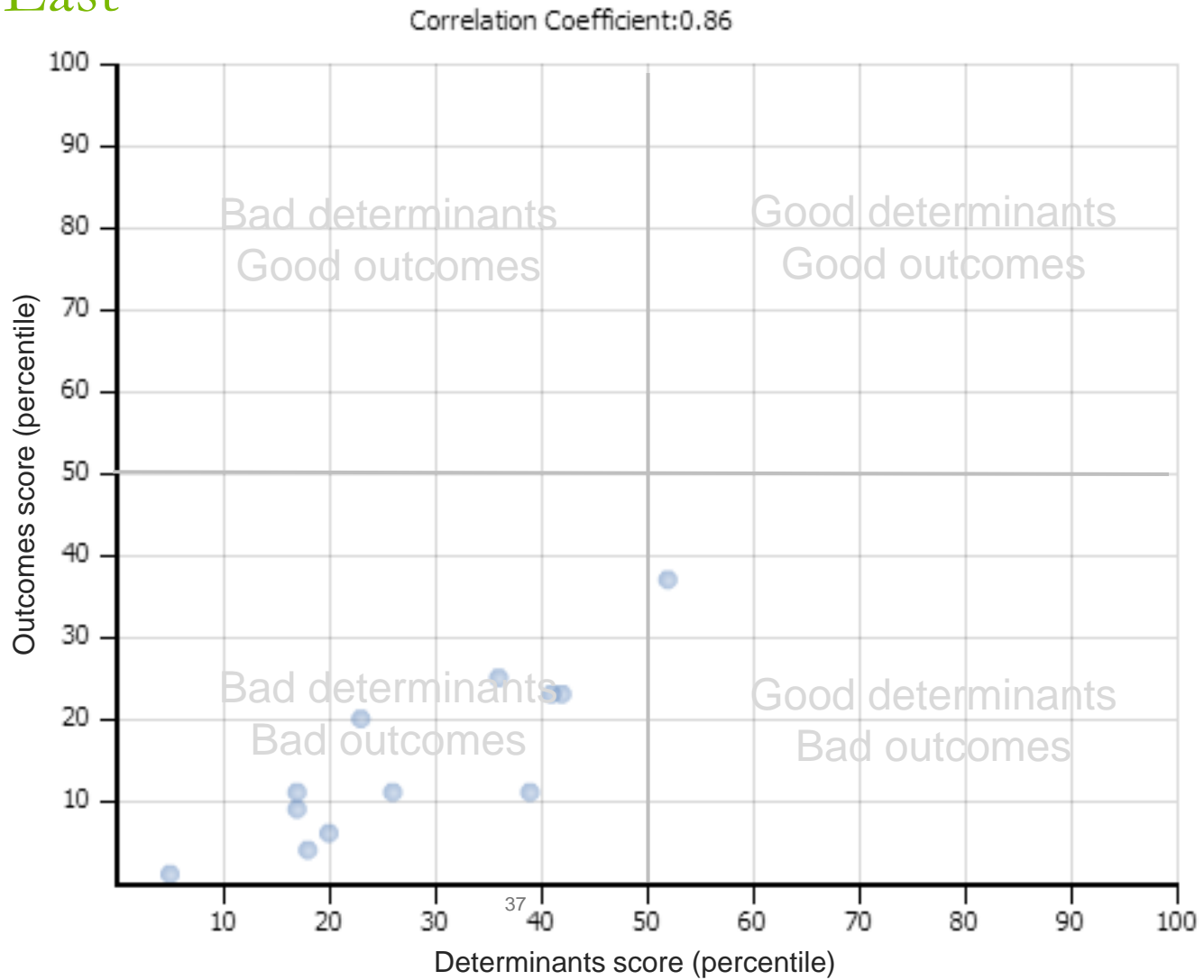
# East of England



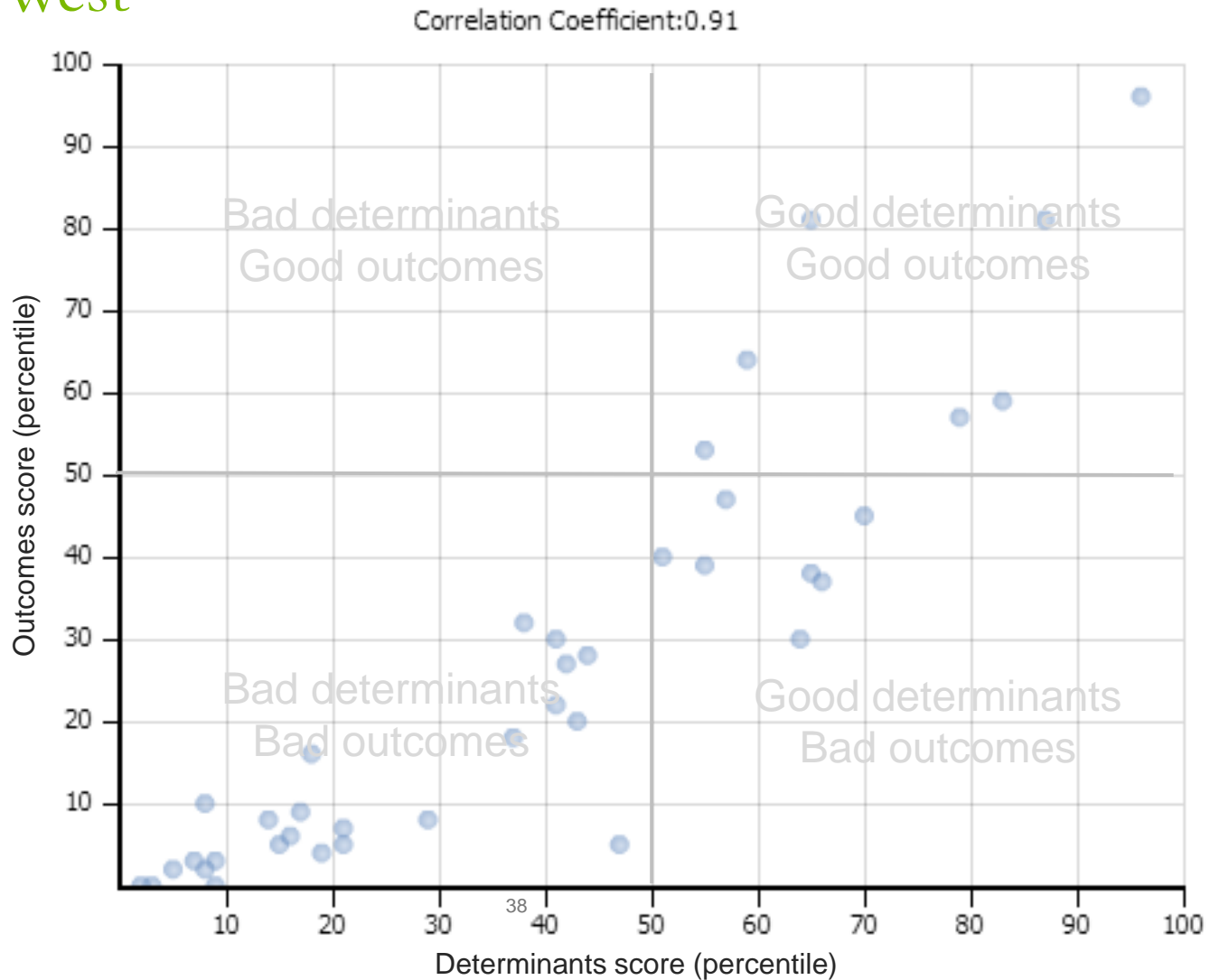
# London



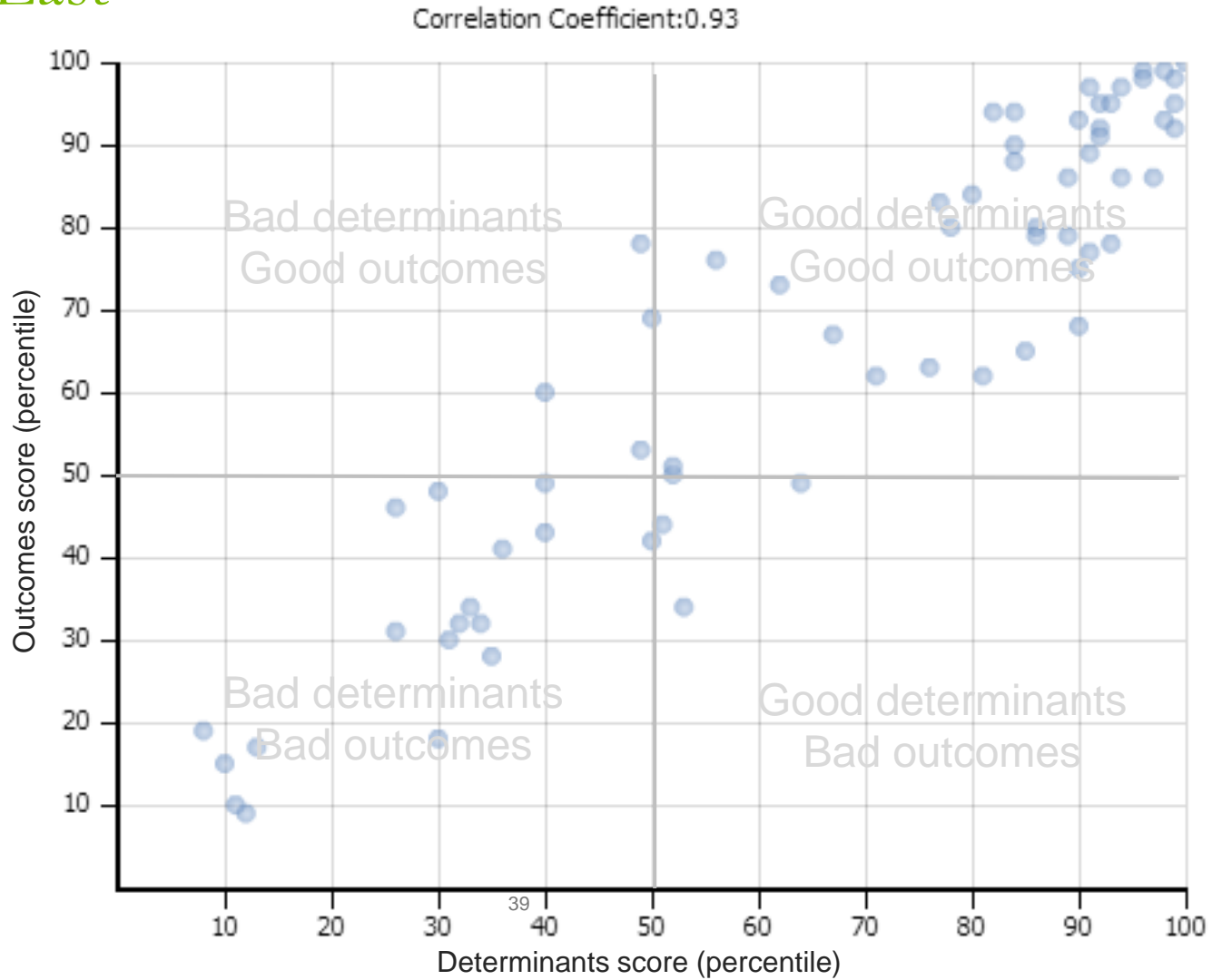
# North East



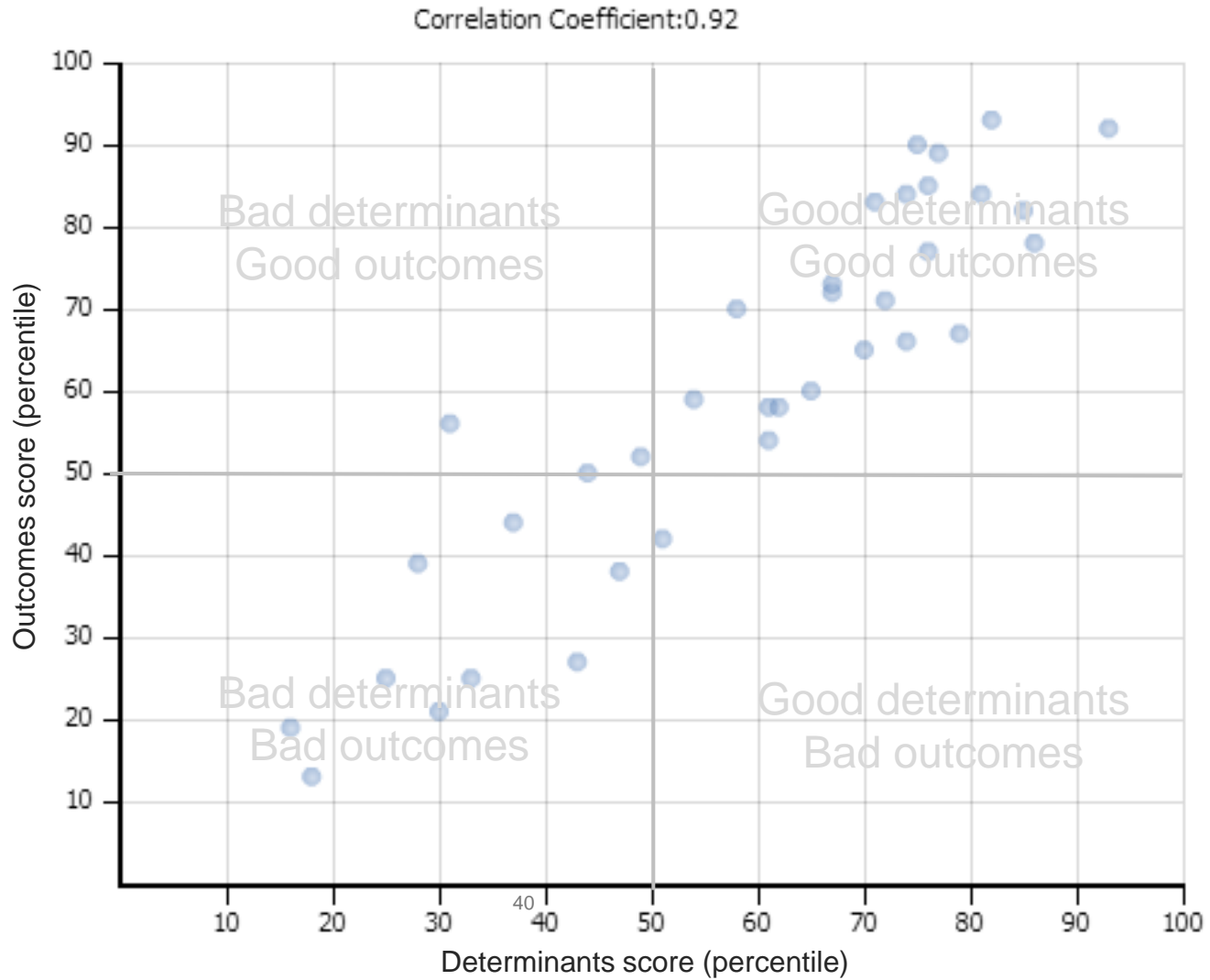
# North West



# South East

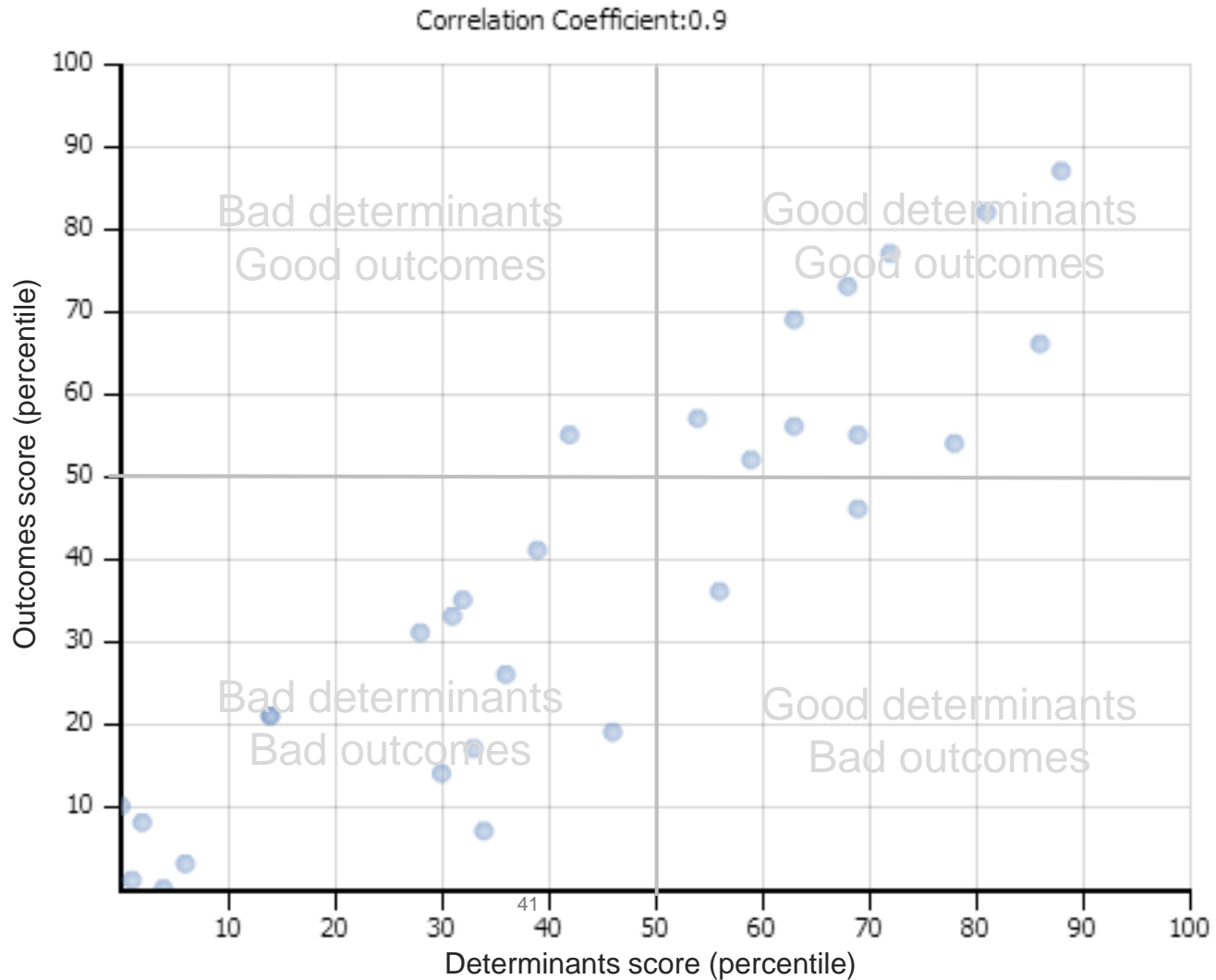


# South West



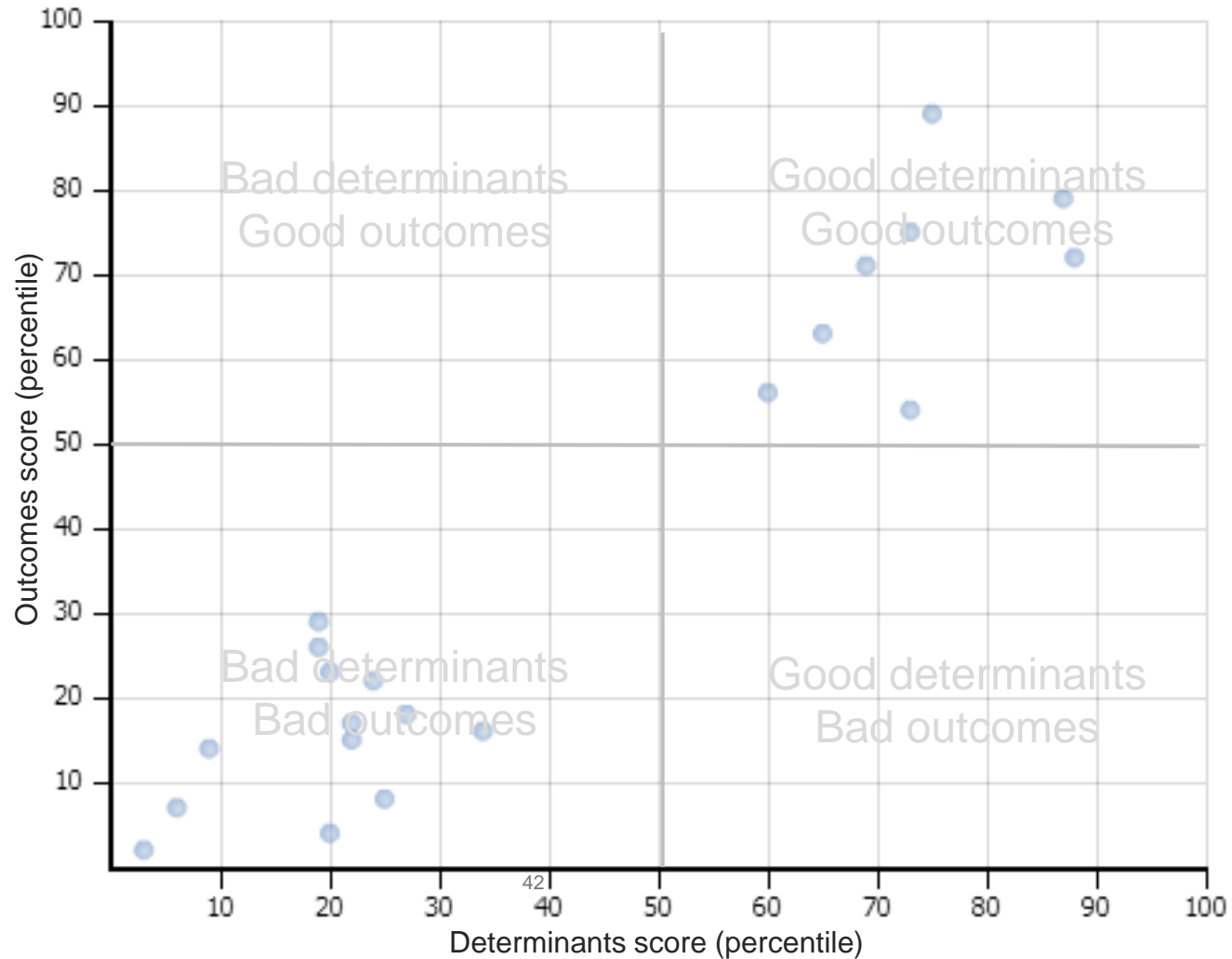


# West Midlands



# Yorkshire & Humber

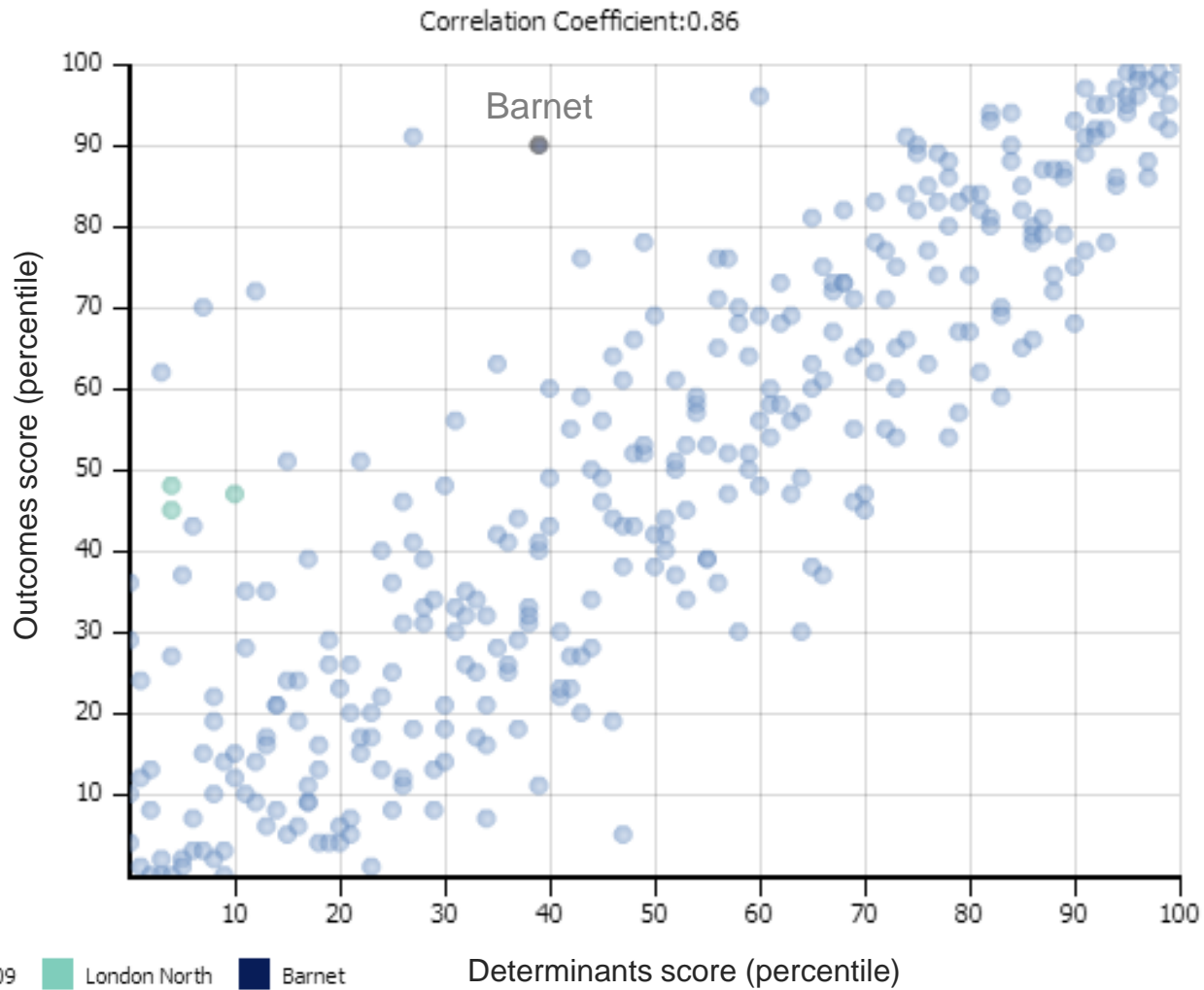
Correlation Coefficient:0.94



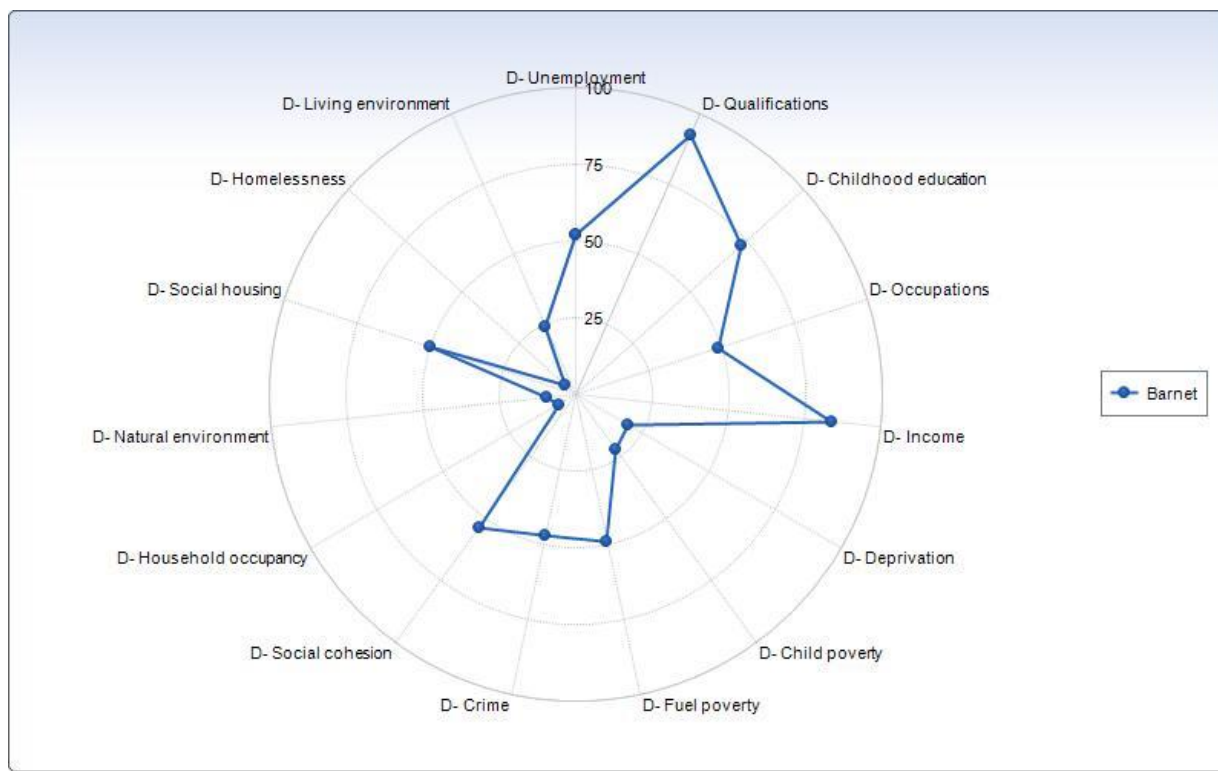
# Case study

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# Correlation chart- Barnet

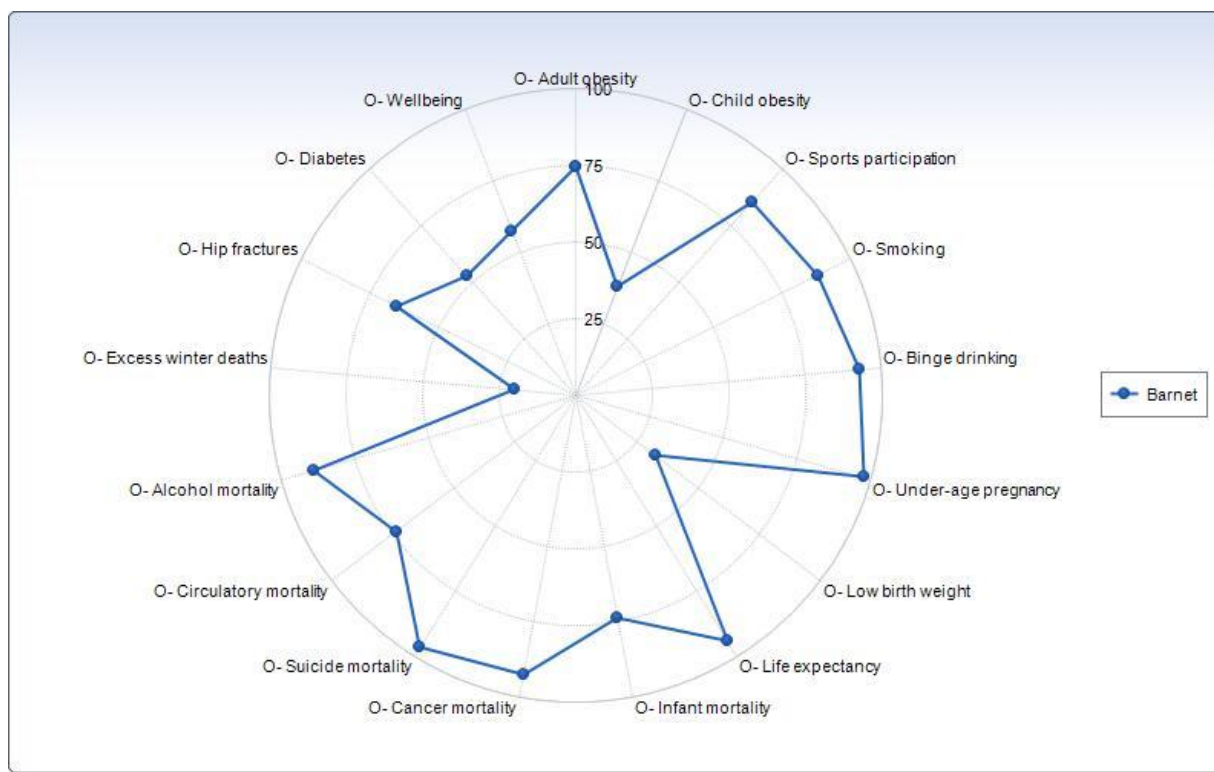


# Barnet: Determinants



Nearest Neighbours		
1	Harrow	London
2	Redbridge	London
3	Watford	Hertfordshire
4	Brighton & Hove	Sussex
5	Hillingdon	London

# Barnet Health outcomes



Nearest Neighbours		
1	Kensington & Chelsea	London
2	Redbridge	London
3	Westminster	London
4	South Buckinghamshire	Buckinghamshire
5	Three Rivers	Hertfordshire

# Barnet Report Card

Determinants	England Ranking out of 324	England score	Outcomes	England Ranking out of 324	England score
Unemployment	156	C	Adult obesity	82	B
Qualifications	24	A	Child obesity	200	D
Childhood education	89	B	Sports participation	47	A
Occupations	165	C	Smoking	39	A
Income	52	A	Binge drinking	22	A
			Under-age pregnancy	9	A
<b>Economic Determinants Score</b>	72	B	Low birth weight	206	D
Deprivation	260	E			
Child poverty	236	D	<b>Health Lifestyles Score</b>	30	A
Fuel poverty	165	C			
Crime	171	C	Life expectancy	20	A
Social cohesion	148	C	Infant mortality	84	B
			Cancer mortality	25	A
<b>Social determinants Score</b>	202	D	Suicide mortality	12	A
			Circulatory mortality	85	B
Household occupancy	302	E	Alcohol mortality	36	A
Natural environment	292	E	Excess winter deaths	258	D
Social housing	162	C	Hip fractures	112	B
Homelessness	308	E	Diabetes	154	C
Living environment	246	D	Wellbeing	137	C
<b>Environmental determinants score</b>	290	E	<b>Healthy Conditions Score</b>	40	A
<b>DETERMINANTS INDEX</b>	195	D	<b>OUTCOMES INDEX</b>	32	A

## Key questions to support improved collaborative outcomes in your local health economy

- What do you currently know about the determinants of good health, and the health outcomes in your area? Is the information being shared across all partners and used effectively to plan integrated services?
- Are they consistent with the Joint Strategic Needs Assessment? Are resources being targeted to improve the determinates and outcomes? Are they effective in making a difference?
- Does your joint health and wellbeing strategy clearly set out how health determinants and outcomes will be improved?
- What resources are being devoted to preventative measures within the health economy? Is the right balance being struck about the short term verses long-term benefits of spending decisions?
- Where does your geographic influence really extend to?



## Key questions to support improved collaborative outcomes in your local health economy contd

- Do you only consider the impact of factors within your organisation's statutory boundaries, or do you also consider those within your partner organisations, since these will influence outcomes in any plans you implement together.
- Who is in your health economy and what assets do they already hold? Where are they?
- With looming deficits, it will be important to utilise existing infrastructure to its full potential. Preventive measures often don't require state of the art technology and brand new facilities, but they do require co-ordinated effort and smooth logistics.
- When agreeing new care models with partners in the local health economy are you communicating honestly? Are you thinking in the short-term or are you planning for the long-term?

# Contact

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