Composite Index of Community Safety



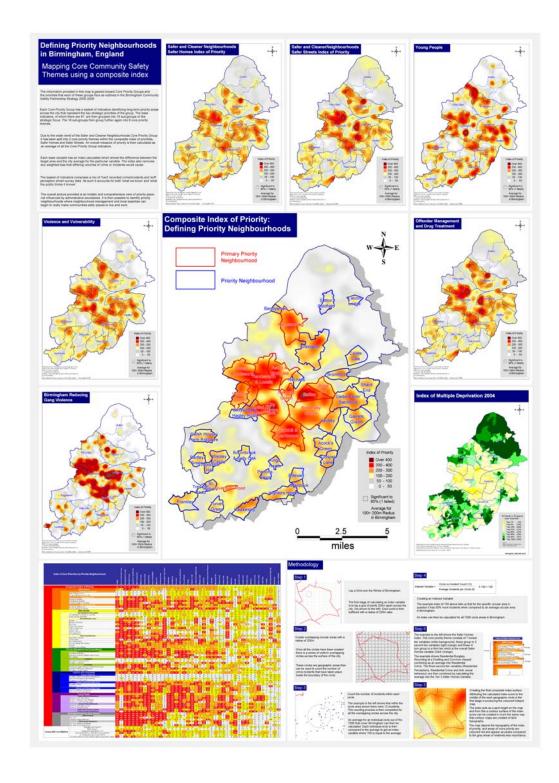
Steve Rose

Birmingham Community Safety Partnership



Best Overall Map

International Crime Mapping Conference Savannah 2005

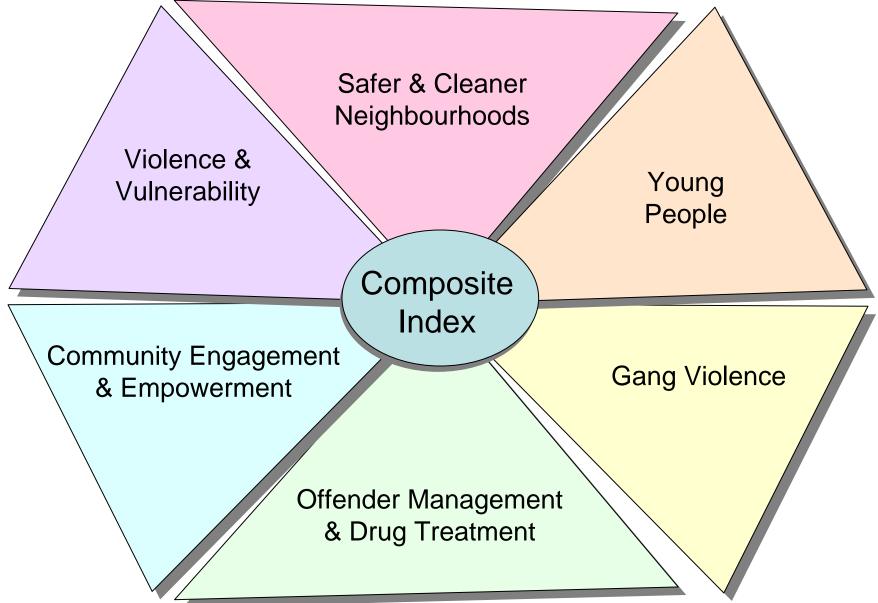


What Gap?

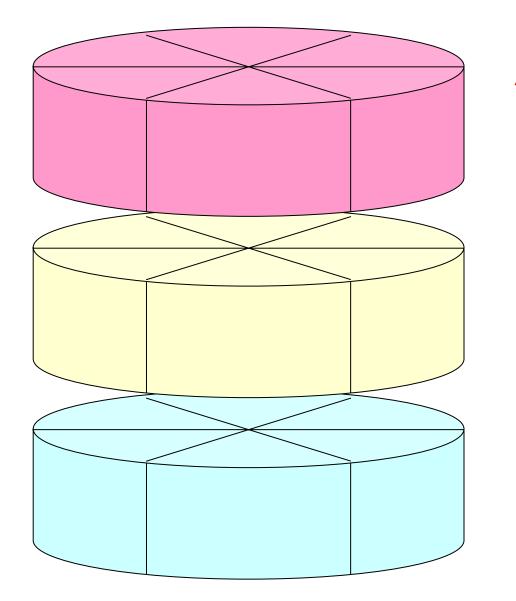
- Self Evident that Inequity exists
- Community Safety is not equally spread about the city
- Some areas experience significantly more crime (clusters in time and space)
- Where are the gaps in Birmingham?



Core Safety Priority Themes



Layer Cake



Core Priority Themes



Core Priority Places

Identify Unique Mix of Priorities

• Specific or Cross Cutting

Identify Priority Places

• Neighbourhoods defined by community safety needs

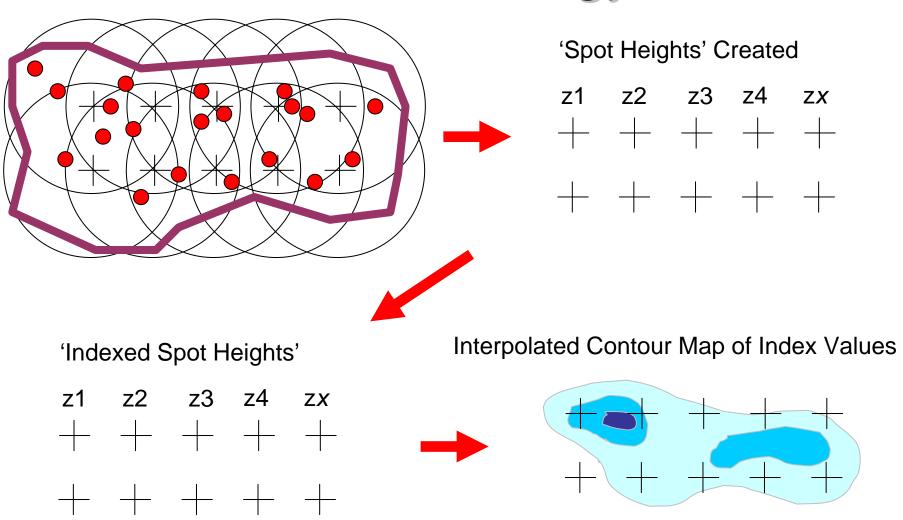
Methodology

- Use indicator variables relevant to each core priority group
 - -71 base variables
 - -21 sub groups
 - 6 Core Priority Themes
 - -1 Composite Index of Core Priority
- Longer term view 3 years
- Avoid administrative boundaries

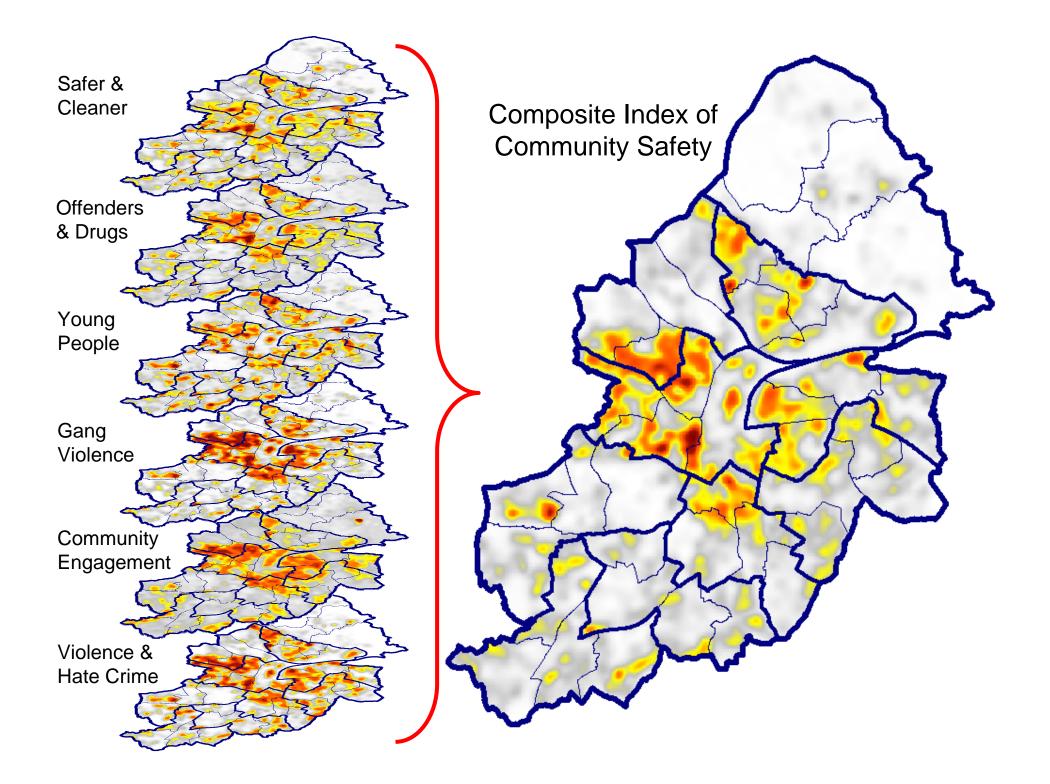
- let the evidence speak for itself!



Methodology

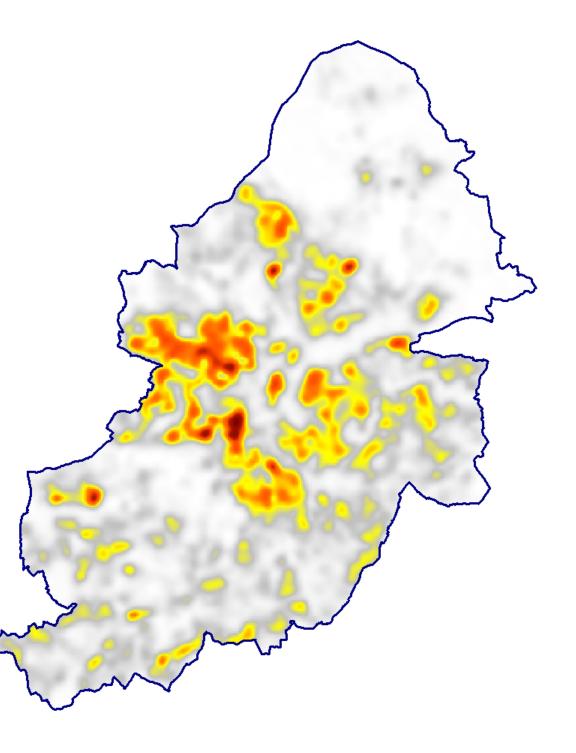


Index = (Spot height / Average Spot height) x 100



Remove Administrative Boundaries

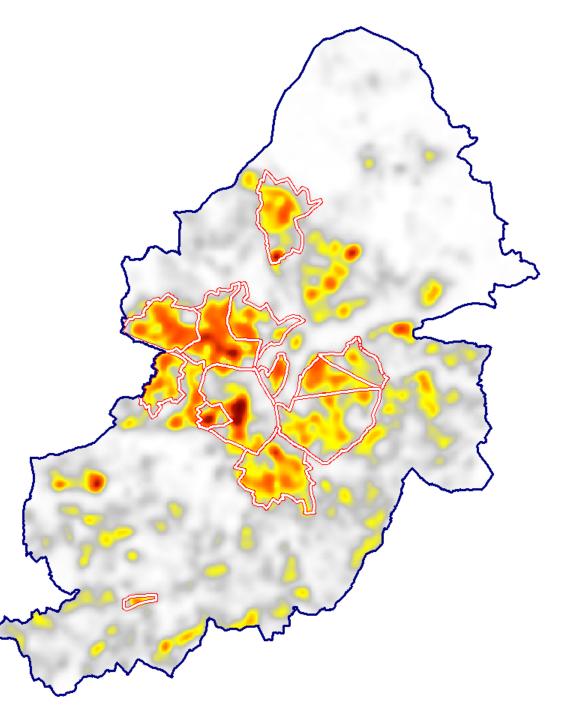
Let the evidence speak for itself



- **PRIMARY** Priority Areas
- Cross Cutting Priorities
- Significant in nature

Hard Boundaries

- Rail, Freeway, Land use
- Encapsulate the Problem

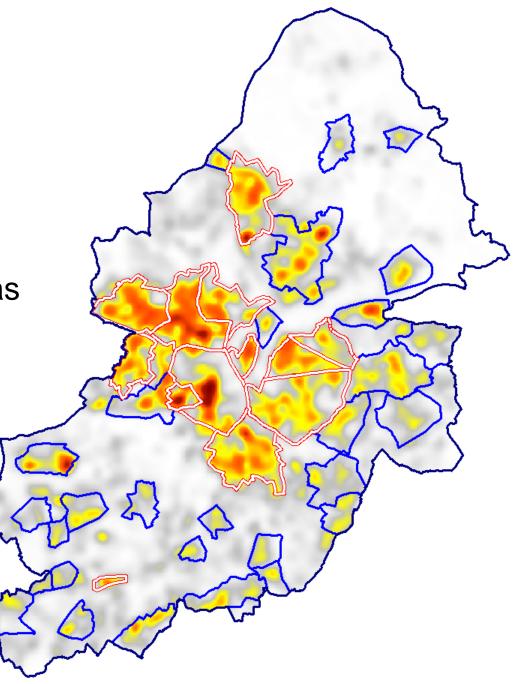


SECONDARY – Priority Areas

- Specific Priorities
- Less significant in nature

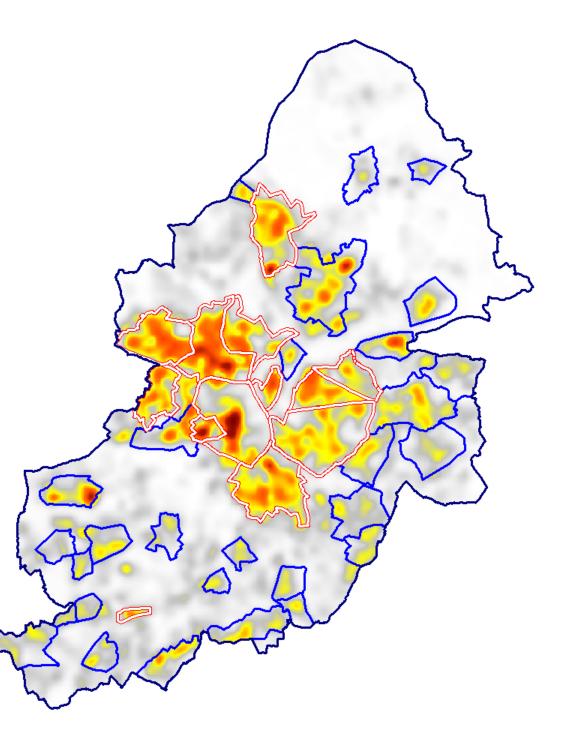
Hard Boundaries

- Rail, Freeway, Land use
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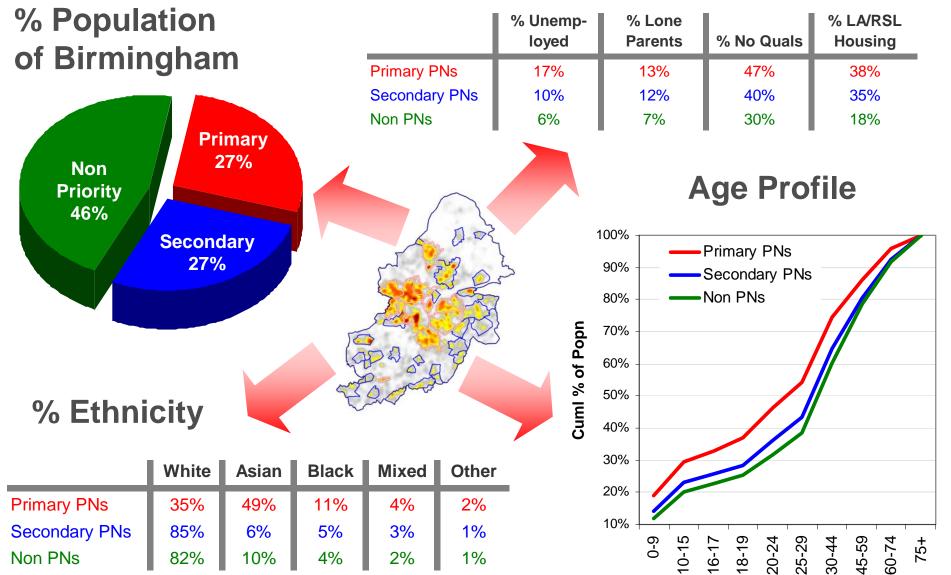
42 Priority Areas

Clear evidence for practitioners of specific community safety priorities as shown by the index

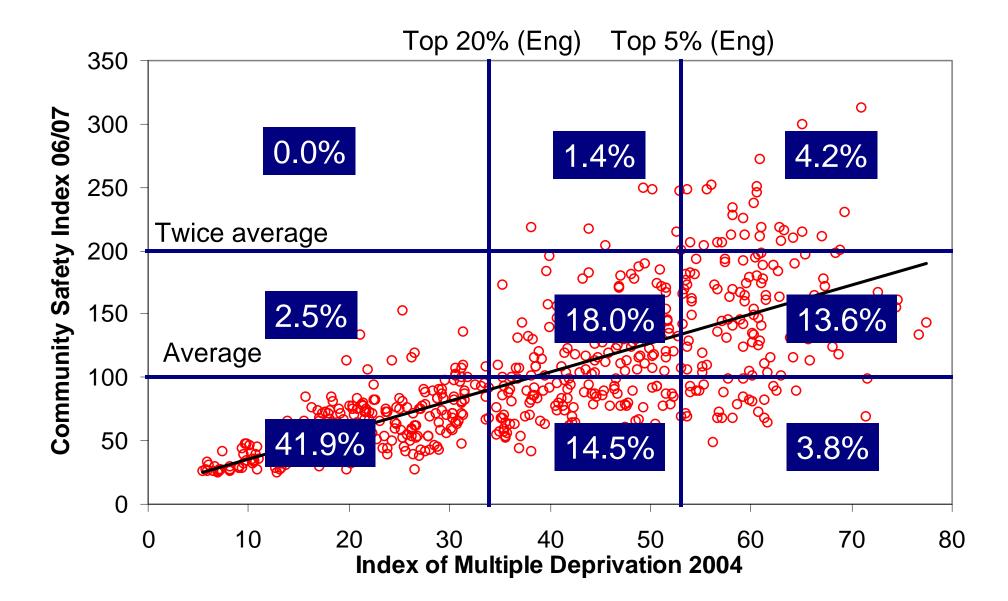


Profile of Priority Areas What do Gap Communities Look Like?

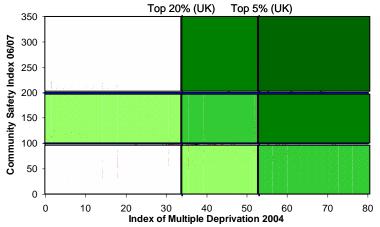
Social Indicators

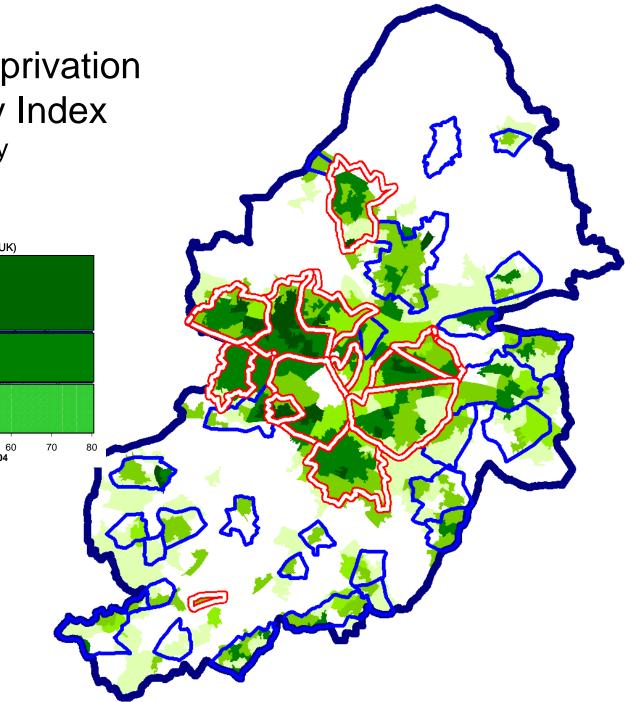


Comparison of Core Priority Index with Deprivation



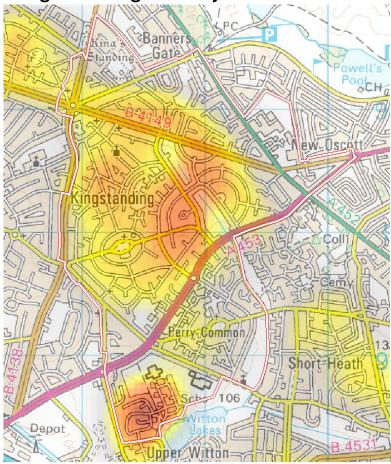
Combining Deprivation & Core Priority Index Priority Area Overlay

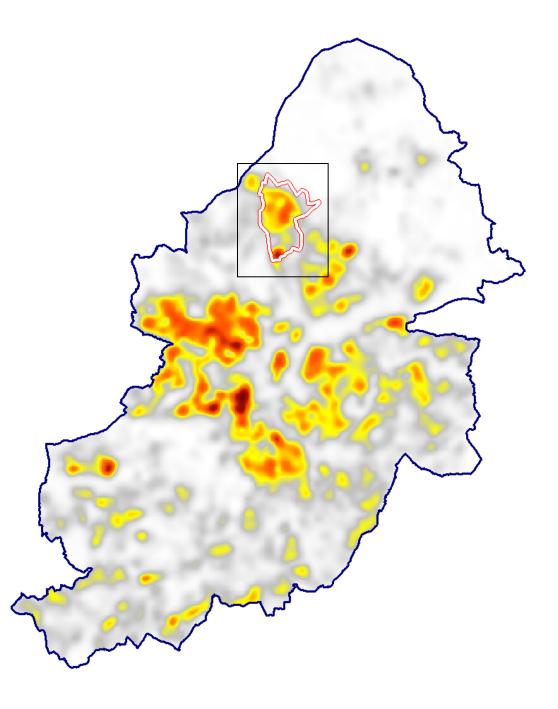




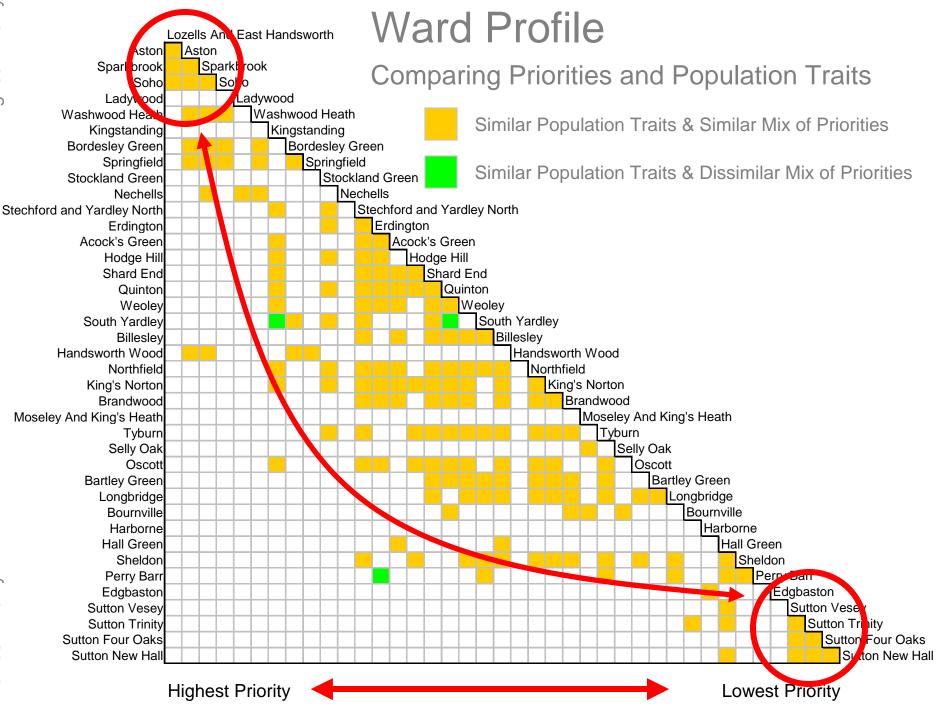
Identifying Similar Areas

Kingstanding Priority Area

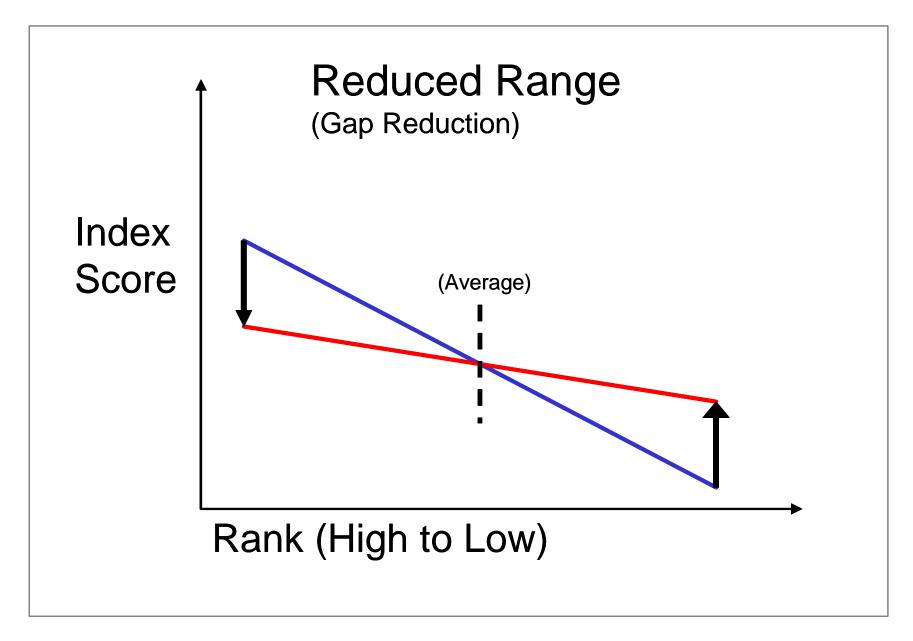




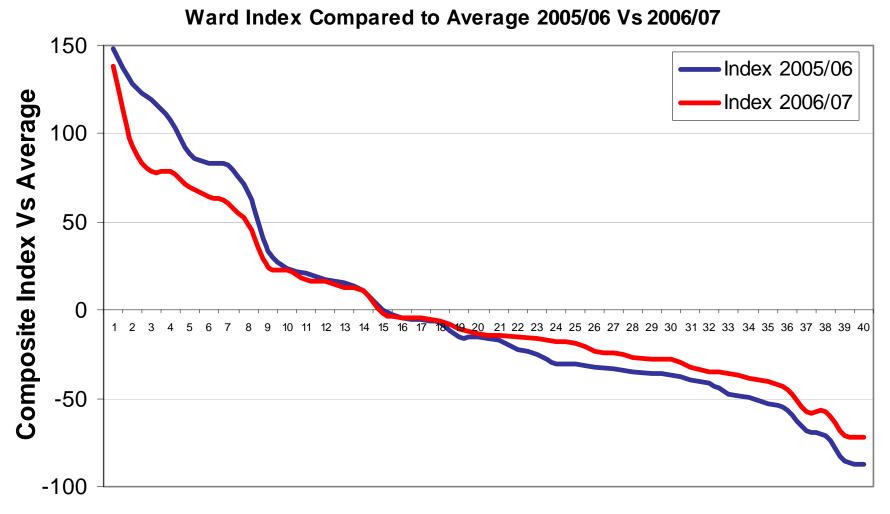
Identifying **Priority Areas Similar** to Kingstanding **Similar Areas** Kingstanding Priority Area Banners Standing Gate ew_Oscott ingstanding. y.Common Short-Heath cb 106 Depot



Evaluation – Gap Reduction?



Evaluation – Gap Reduction?



Ward Rank (1-40)

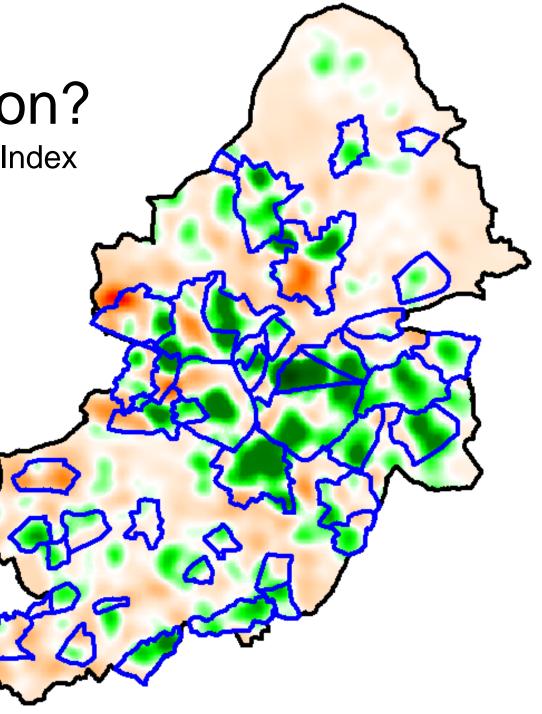
Gap Reduction? Change in Composite Index

Gap Increase

Gap Reduction

Significant Improvement within Priority Areas

Partnership working together To make communities safer



Results

- Reduction in the community safety gap
 Accelerated improvement in priority areas
- Shift in business focus from silo mentality
 Identification of 'priority places'
 - Clear evidence of disproportionality
- Clear shared aims between agencies

 Buy-in and collaboration as cross over gains
- Creation of Neighbourhood Management
 - Local tasking and co-ordination processes

Gaps/Areas for Improvement

- Better use of appropriate denominators
 - Normalise variables in the index
 - Requires info not currently available e.g. footfall for street crime
- Identification of predictive/related variables
 - Use of factor analysis to determine most predictive variables
 - Identify which variables behave similarly and investigate cause & effect

Composite Index of Community Safety



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