## Composite Index of Community Safety



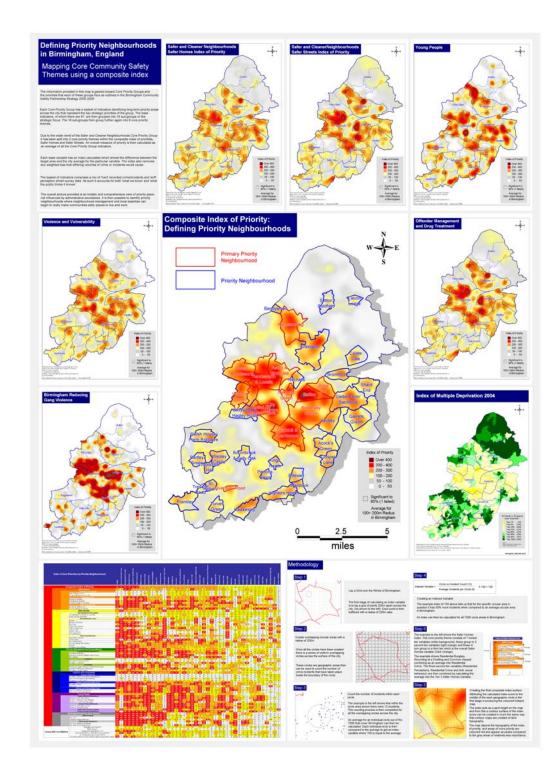
### Steve Rose

#### Birmingham Community Safety Partnership



# Best Overall Map

### International Crime Mapping Conference Savannah 2005

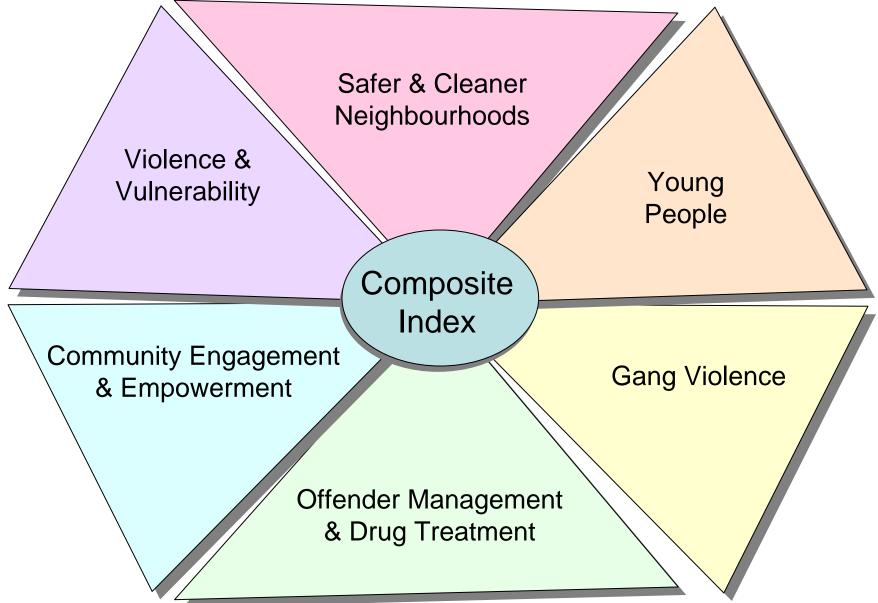


## What Gap?

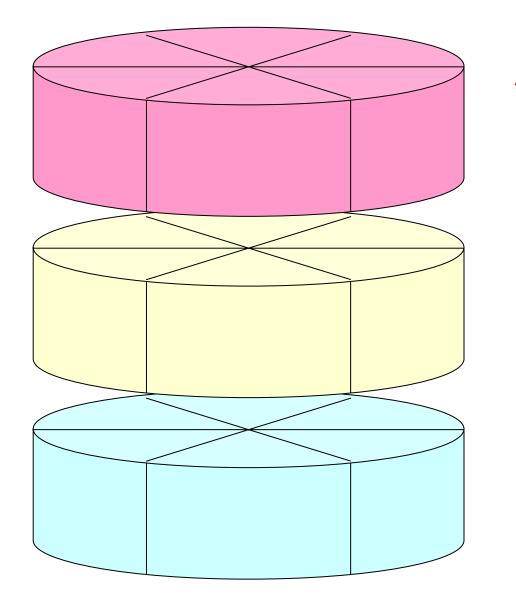
- Self Evident that Inequity exists
- Community Safety is not equally spread about the city
- Some areas experience significantly more crime (clusters in time and space)
- Where are the gaps in Birmingham?



# 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

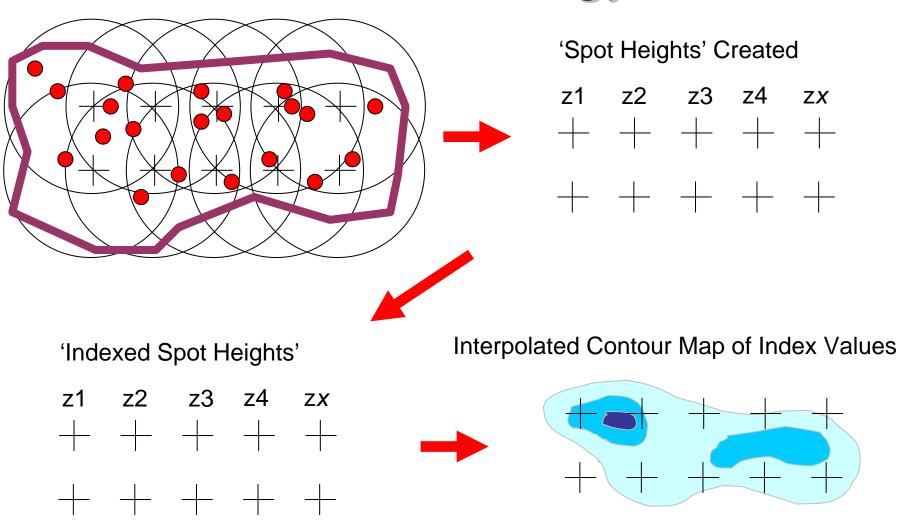
# Methodology

- 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

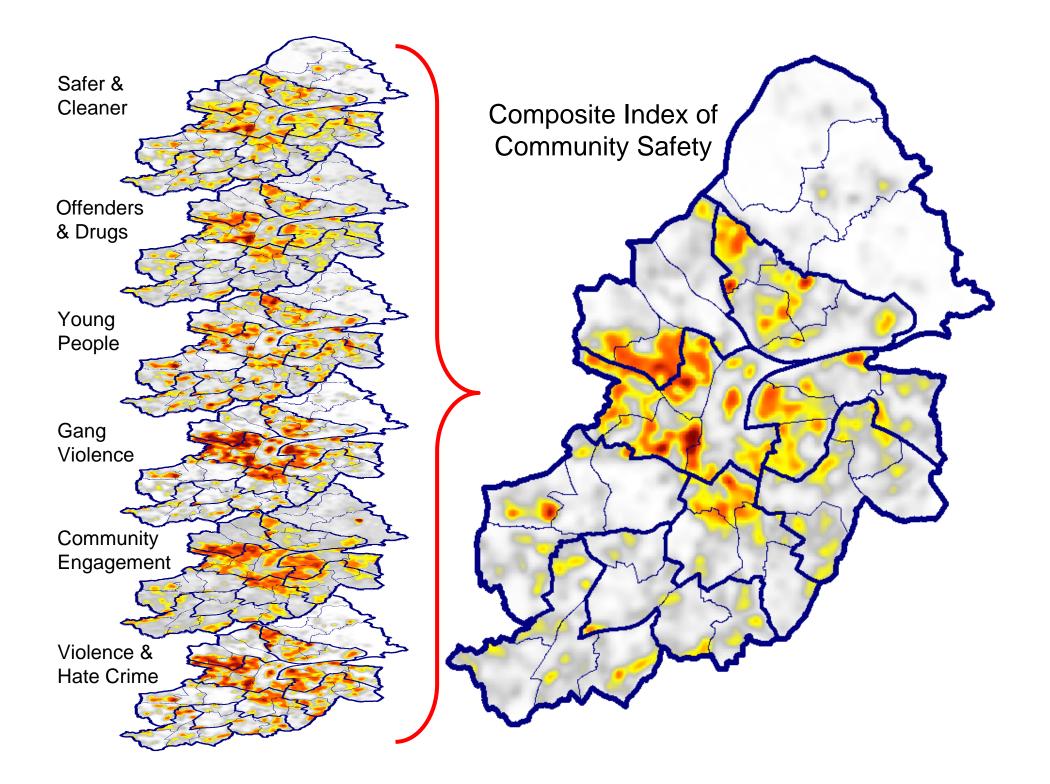
- let the evidence speak for itself!



## Methodology

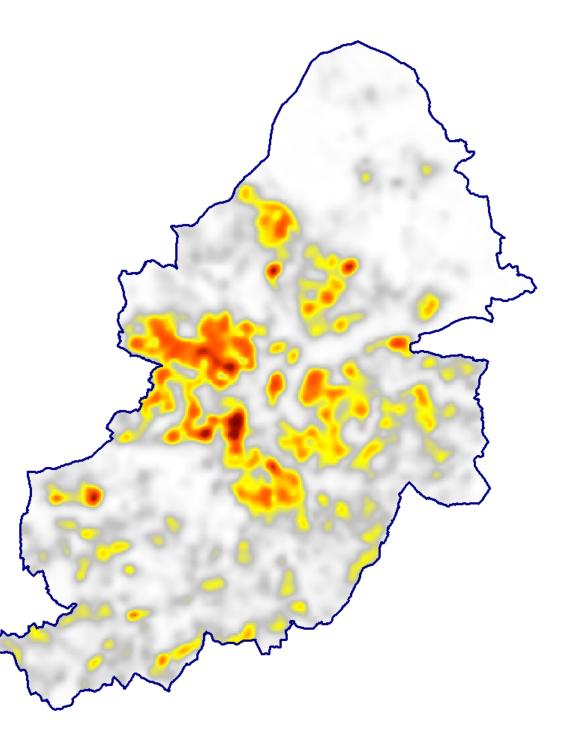


Index = (Spot height / Average Spot height) x 100



Remove Administrative Boundaries

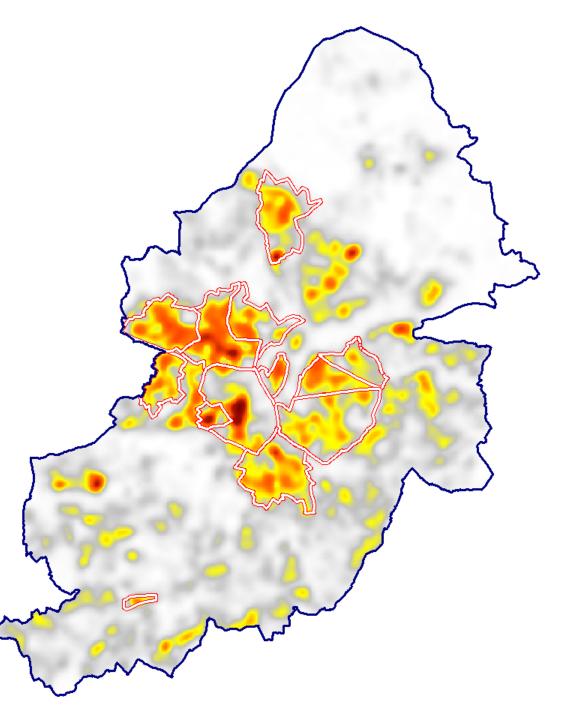
Let the evidence speak for itself



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

Hard Boundaries

- Rail, Freeway, Land use
- Encapsulate the Problem

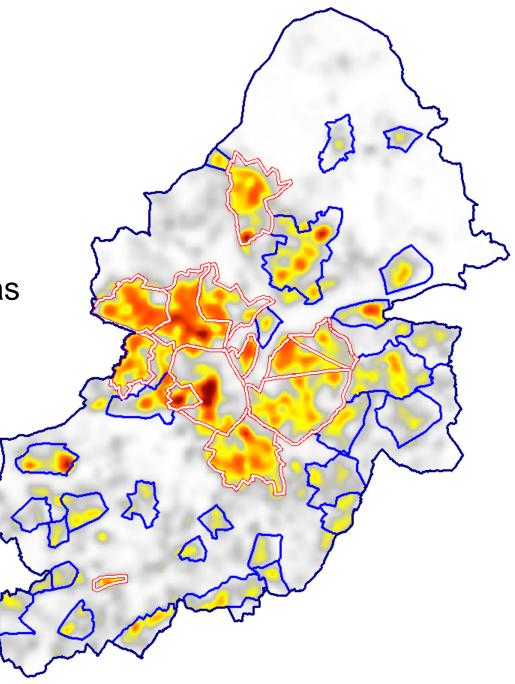


#### **SECONDARY** – Priority Areas

- Specific Priorities
- Less significant in nature

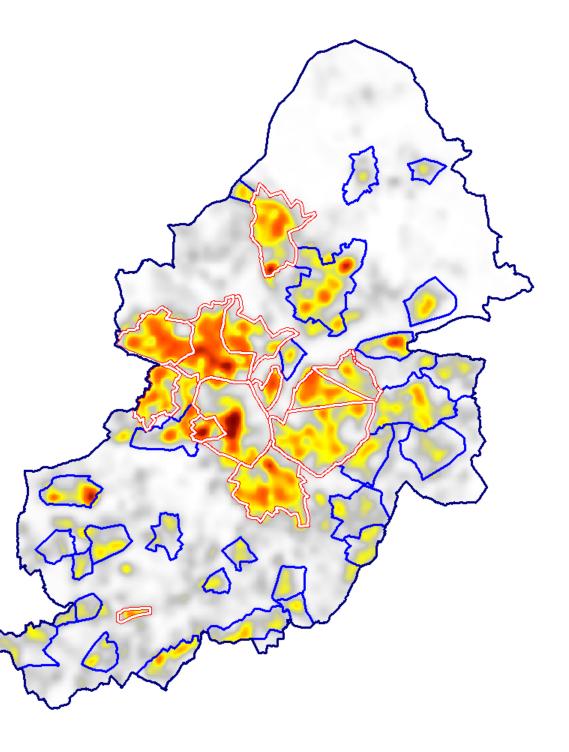
Hard Boundaries

- Rail, Freeway, Land use
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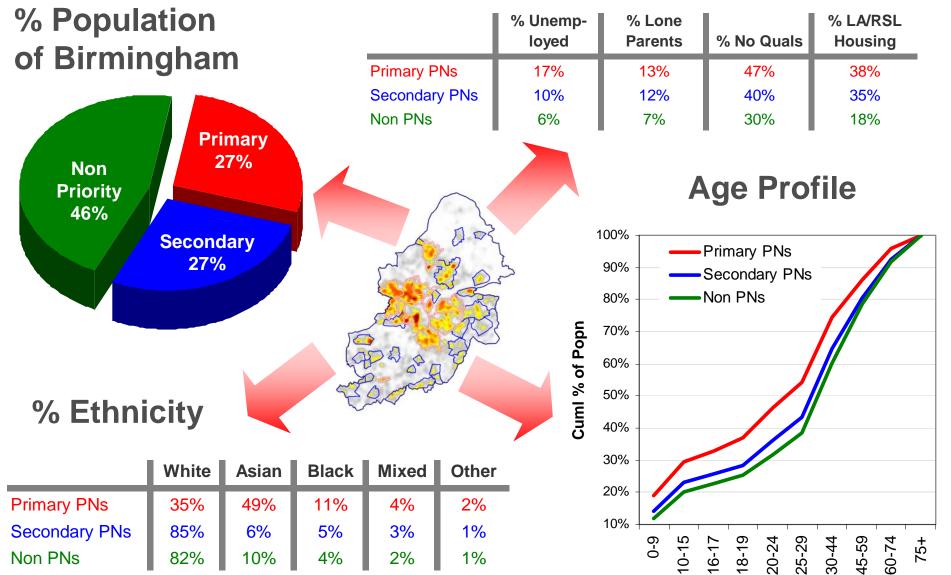
42 Priority Areas

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

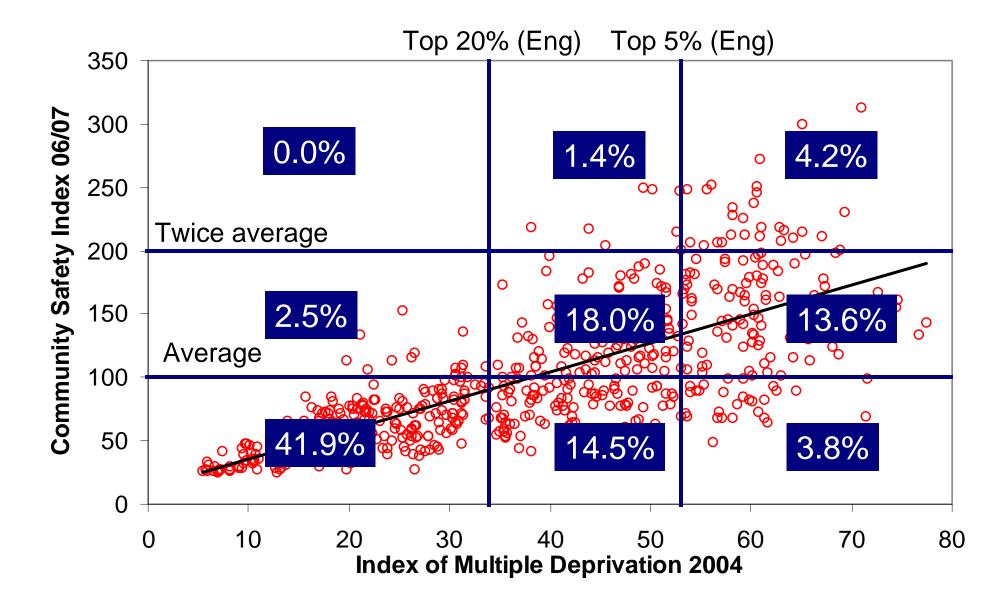


### Profile of Priority Areas What do Gap Communities Look Like?

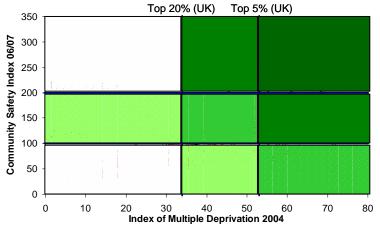
#### **Social Indicators**

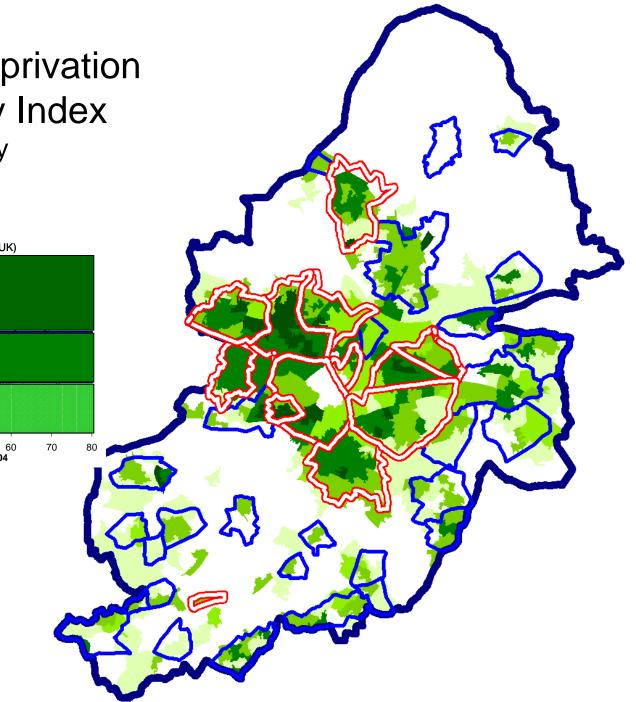


#### Comparison of Core Priority Index with Deprivation



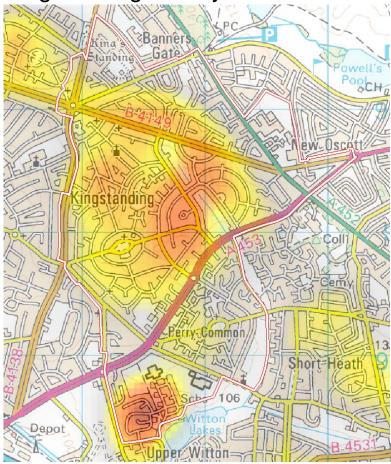
#### Combining Deprivation & Core Priority Index Priority Area Overlay

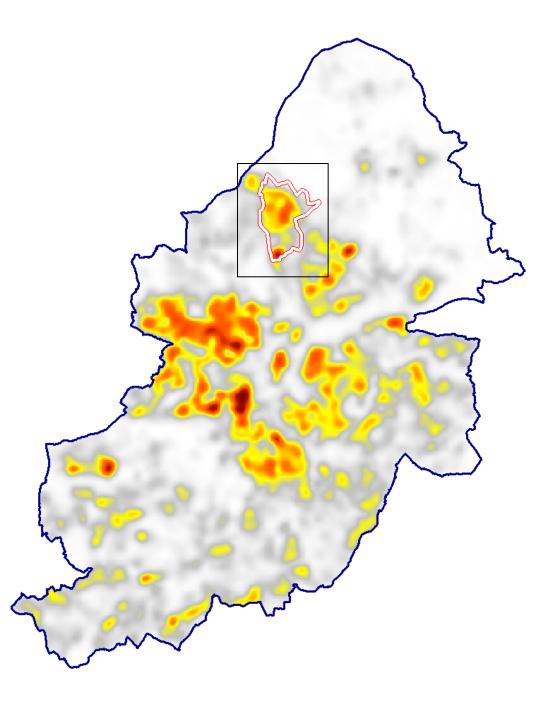




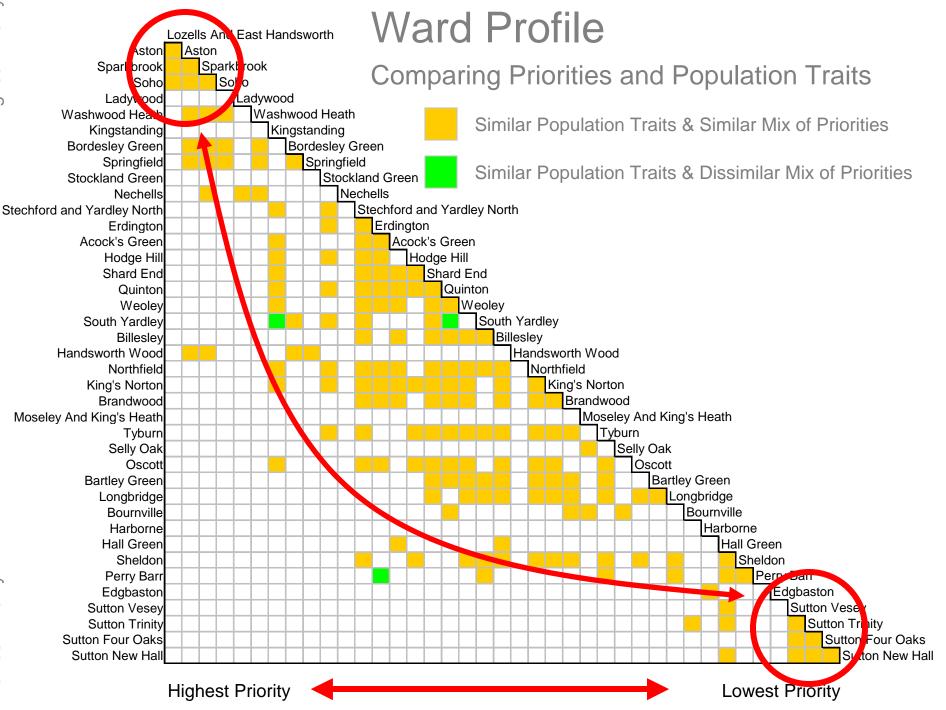
### Identifying Similar Areas

Kingstanding Priority Area

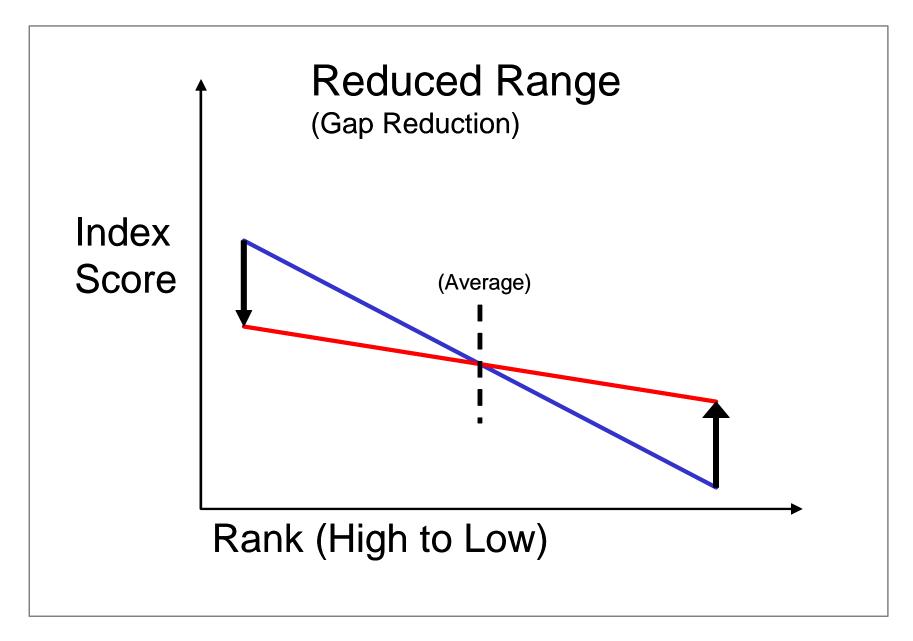




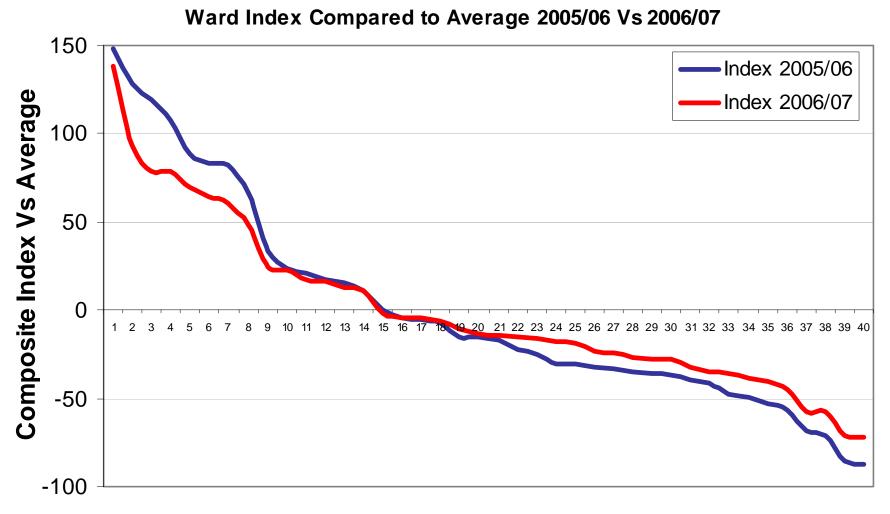
### Identifying **Priority Areas Similar** to Kingstanding **Similar Areas** Kingstanding Priority Area Banners Standing Gate ew\_Oscott ingstanding. y.Common Short-Heath cb 106 Depot



## Evaluation – Gap Reduction?



## **Evaluation – Gap Reduction?**



Ward Rank (1-40)

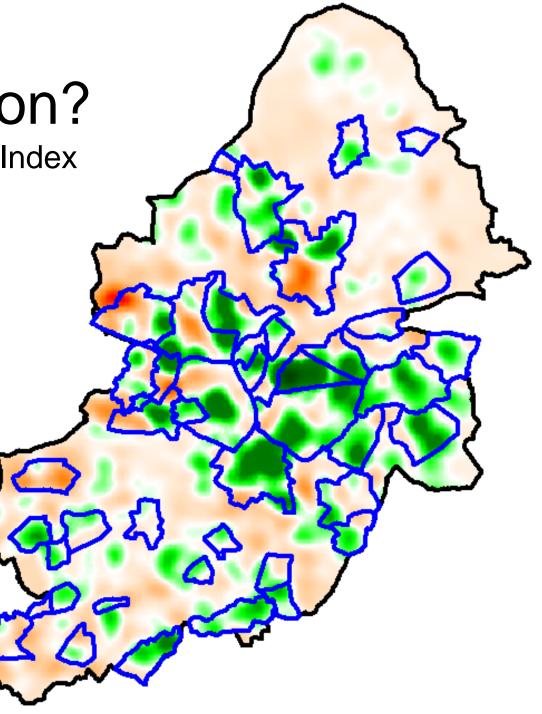
### Gap Reduction? Change in Composite Index

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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