

Urban dynamics modelling

Data and indicator development

- Child and parent health *health outcomes*
 - Household and neighbourhood change
 - Lifestyle and consumption
 - Exposure to assets and hazards
- socio-spatial determinants*

Intervention support

- Input into epidemiological modelling *geographical covariates*
- Measuring impact of interventions

Dissemination

- Web mapping building on CDRC Maps system
- Downloadable aggregate datapacks
- Sharing of findings at project meetings
- Publications

Urban dynamics modelling

1. Initial steps

- dataset audit
- cross study area research framework *health, well-being*

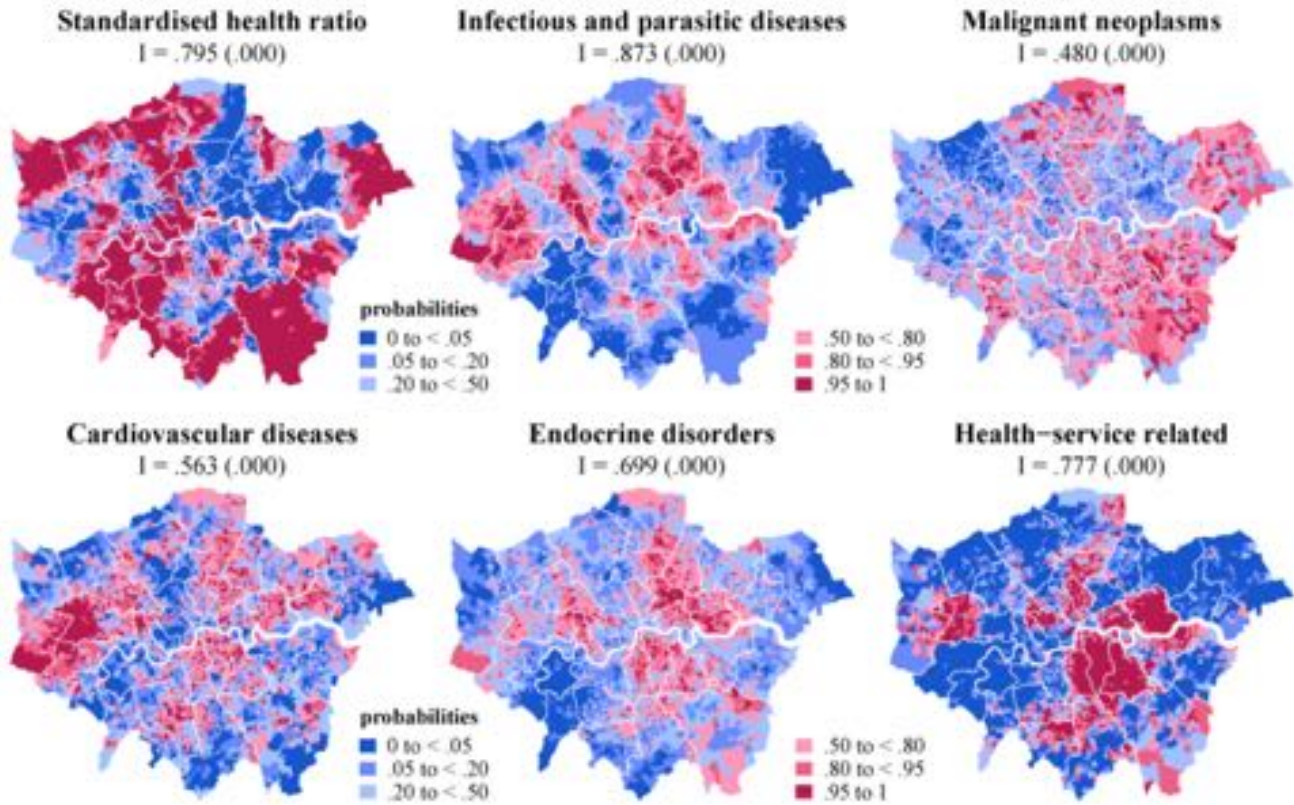
2. Cross-area datasets

- Hospital Episode Statistics
- Consumer Registers
- High Street Retailer Data
- ONS population datasets
- PHE Fingertips

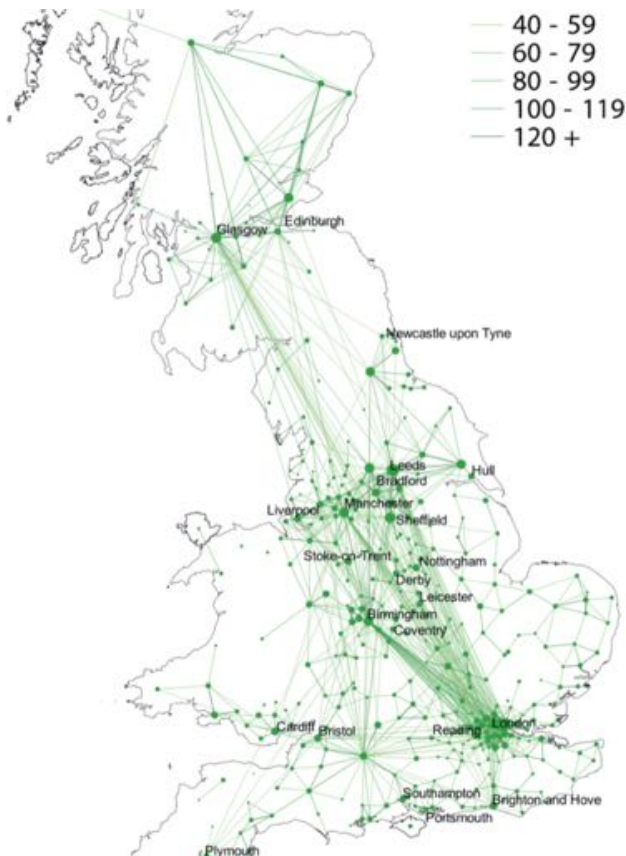
3. Sharing and consultation

- evaluative measures
- modelling input

Example: NHS Hospital Episode Statistics

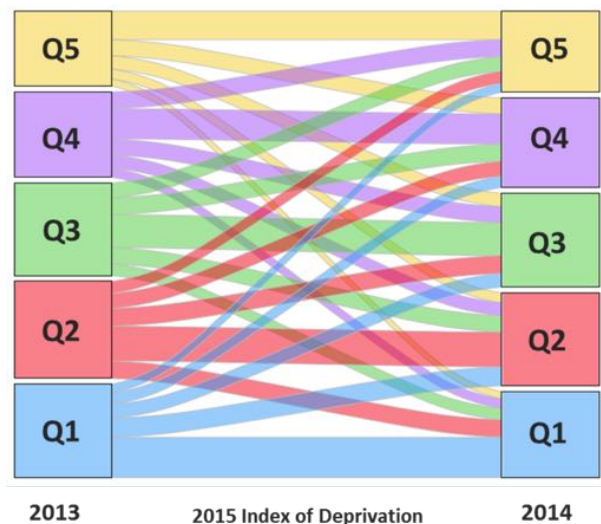


Example: Residential histories



Residential moves 2013-2014

Courtesy: Guy Lansley, Wen Li, UCL CDRC



Example: Segregation

