

Use of Administrative Data in NI Context

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NISRA



Content

- **NISRA – Background**



- **Neighbourhood Statistics**
www.ninis.nisra.gov.uk



- **Related administrative data initiatives**

- **Challenges ahead**

1. Background

NI Statistics and Research Agency (NISRA)

Official Statistical Agency for NI

Civil Registration

- ♦ administer marriage laws
- ♦ registration of births, marriages, adoptions and deaths



NISRA - Official Statistical Agency for NI

- ◆ Govt statistics & social research agency
 - ◆ policy development, service planning
 - ◆ +++

- ◆ collect, analyse and disseminate official statistics on NI society, economy, population etc..
 - ◆ Census of Population
 - ◆ Crime Statistics, Hospital Admissions
 - ◆ Inside and outside Government
 - ◆ +++



NISRA Staffing (plus c10 other organisations)



2- Neighbourhood Statistics - Background

■ 1990s:

- ◆ Census - small area or neighbourhood data
- ◆ Administrative data – only for larger areas
- ◆ Once a decade Census?

Neighbourhood Statistics - Background

■ 1990s:

◆ Need for improvement

**Neighbourhood Renewal
Equality,
Investing for Health
Service planning
+ more**

Development of Neighbourhood Statistics

- **1999: Neighbourhood Statistics**
 - ◆ **Data development (e.g. deprivation measures)**
 - ◆ **Data dissemination (e.g. website, CD, training)**
- **2001: Funded by NI Executive**

Development of Neighbourhood Statistics

- **Northern Ireland Neighbourhood Information Service (NINIS) website**

www.ninis.nisra.gov.uk

20,000 visits / 400,000 hits per month

training

dedicated geographic infra-structure

Data Providers (plus significant others)



NINIS provides free access to statistical and locational information relating to small areas across Northern Ireland. Information is available across a range of themes including Population, Social and Welfare, Agriculture, Education and Crime. Users will be able to obtain an area profile based on a postcode or by selecting an area to view.

Statistics for your Neighbourhood

To view statistics on your local area please enter full postcode or street



NINIS

To access all local statistics click on the NINIS button to the left or enter a postcode in the box above. The information ranges from the 2001 Census to social security, health, education and other high quality statistical data.

Deprivation 2005

Click here for information on the new Northern Ireland Multiple Deprivation Measure 2005.

Towns and Villages

Click here for information on Towns and Villages. Information is based on key statistics from the 2001 Census for towns and villages with population size greater than 500.

Neighbourhood Renewal

Click here for information on Neighbourhood Renewal Areas - Department for Social Development Urban Regeneration.

Investing for Health

Click here for information on Investing for Health - health and wellbeing indicators.

Latest News

New Additions to NINIS

02-02-09

[Animated Population Profile](#) now available.

02-02-09

☒ Local Government District Boundaries

Select Deprivation Measure (Rank):

Multiple Deprivation

Classification method:

Equal Sized Bands

Number of Categories:

Five

Colour:






Purple

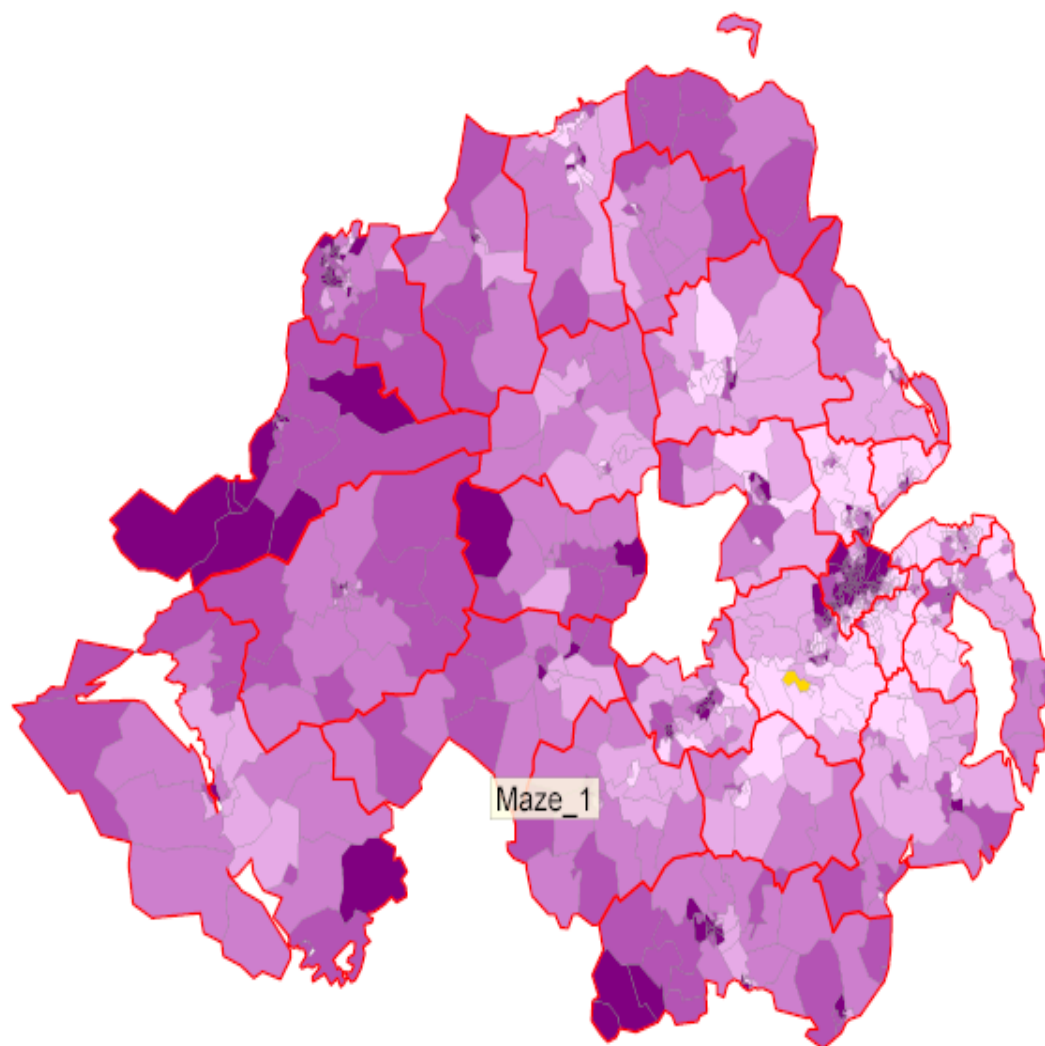
Super Output Area Code: 95SS23S1

Super Output Area Name: Maze_1

Multiple Deprivation	792
Income	753
Employment	813
Health & Disability	774
Education Skills & Training	772
Proximity to Services	246
Crime & Disorder	694
Living Environment	690

Multiple Deprivation

	Most Deprived 20% (1 to 178)
	Next 20% (179 to 356)
	Next 20% (357 to 533)
	Next 20% (534 to 711)
	Least Deprived 20% (712 to 890)



Lock

Reset

Contact Details

■ Neighbourhood Statistics

◆ NISRA HQ, McAuley House, Belfast

■ Website



www.ninis.nisra.gov.uk

■ Email



ninis.nisra@dfpni.gov.uk

Statistics available

- 1200 datasets – 50% at Neighbourhood level

- Wide range of statistics
 - Social Welfare
 - Health & Care
 - Education & Training
 - 2001 Census / Population
 - Crime and Justice
 - +++

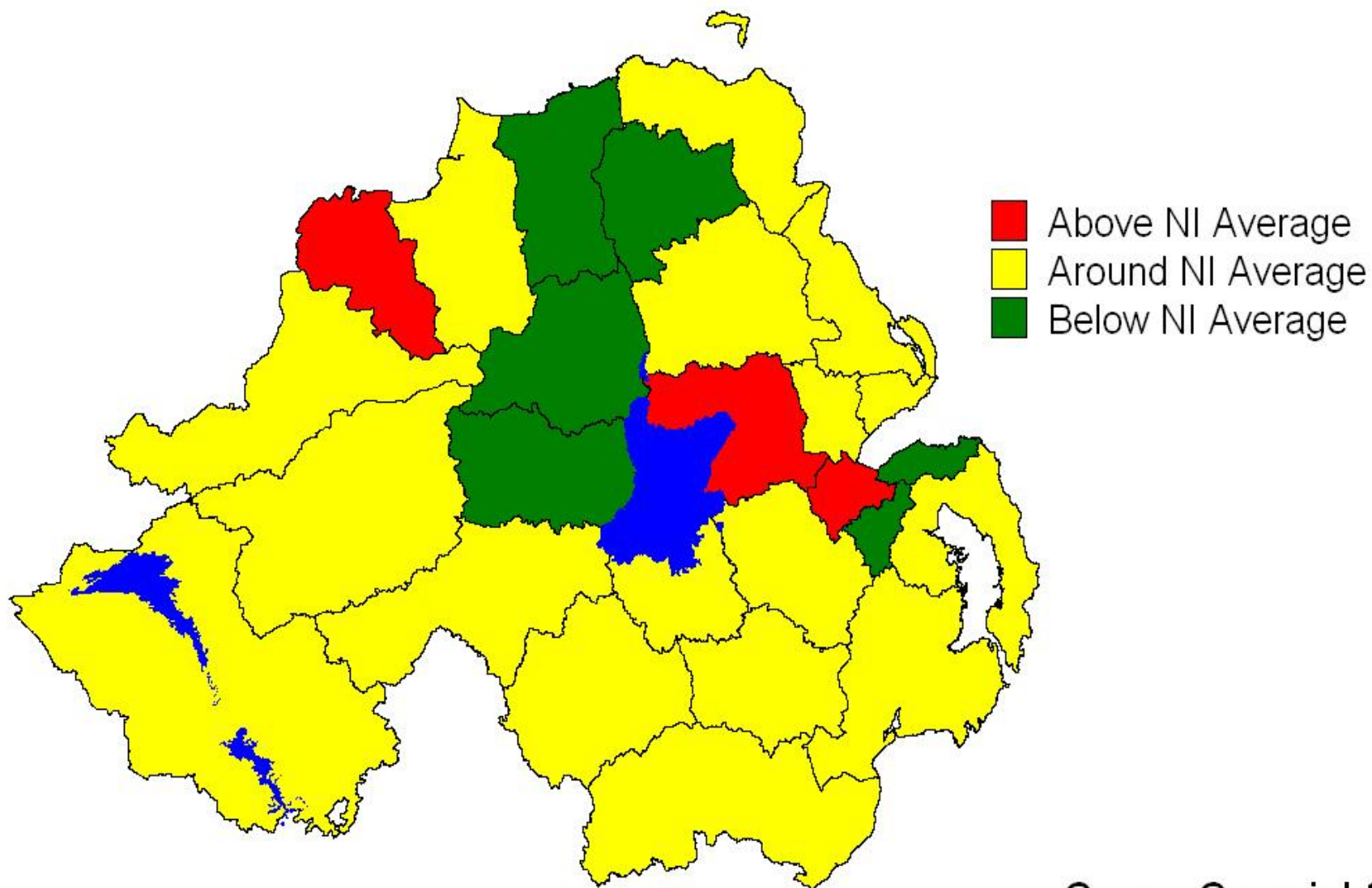
How neighbourhood statistics can help deliver policy goals

Two Investing for Health examples

(i) Goal 1 – Longer healthier lives

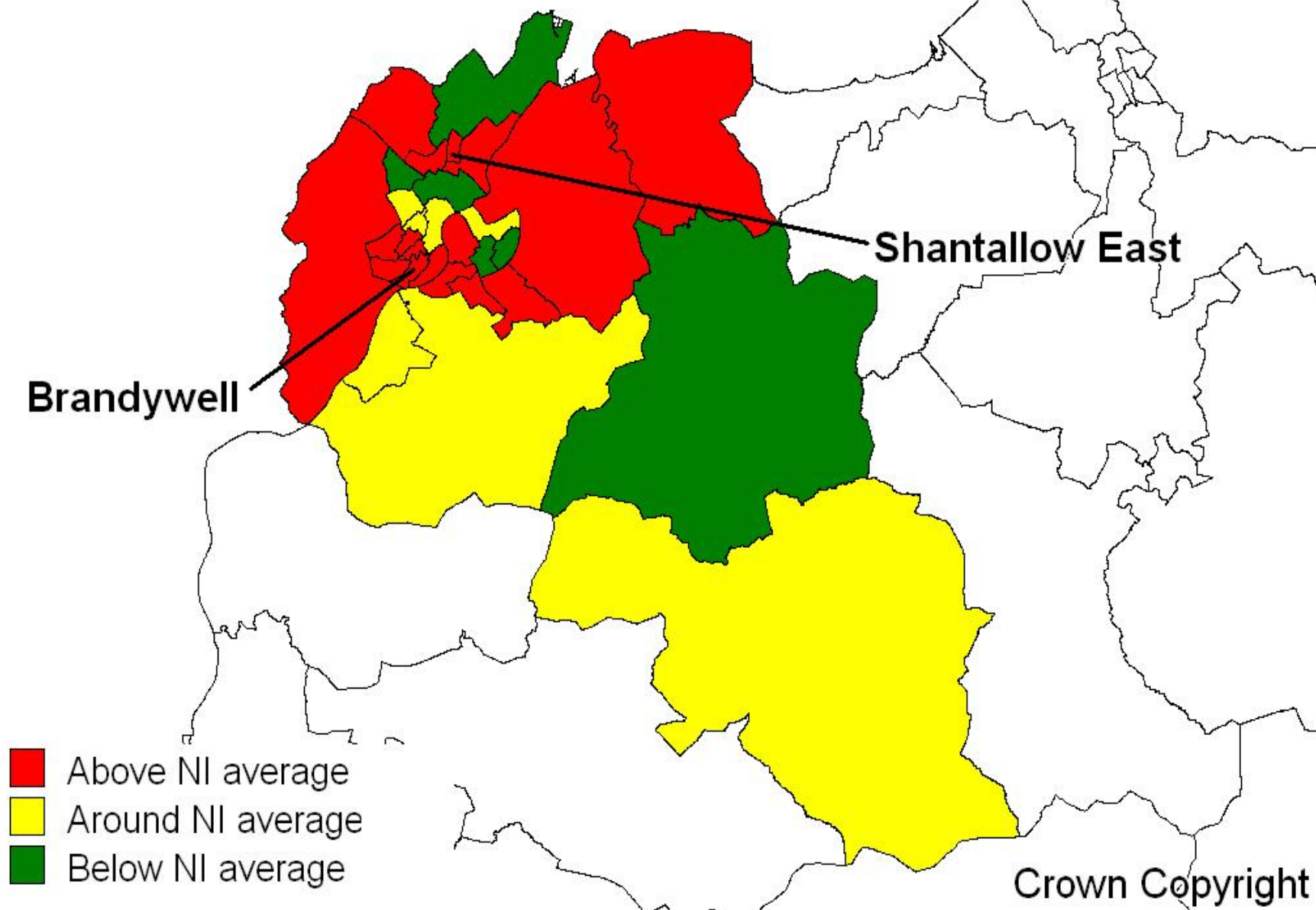
“To improve the health of our people by increasing the length of their lives...”

Mortality Rates of those aged under 75 (2000 - 2004) NI = 100



Crown Copyright

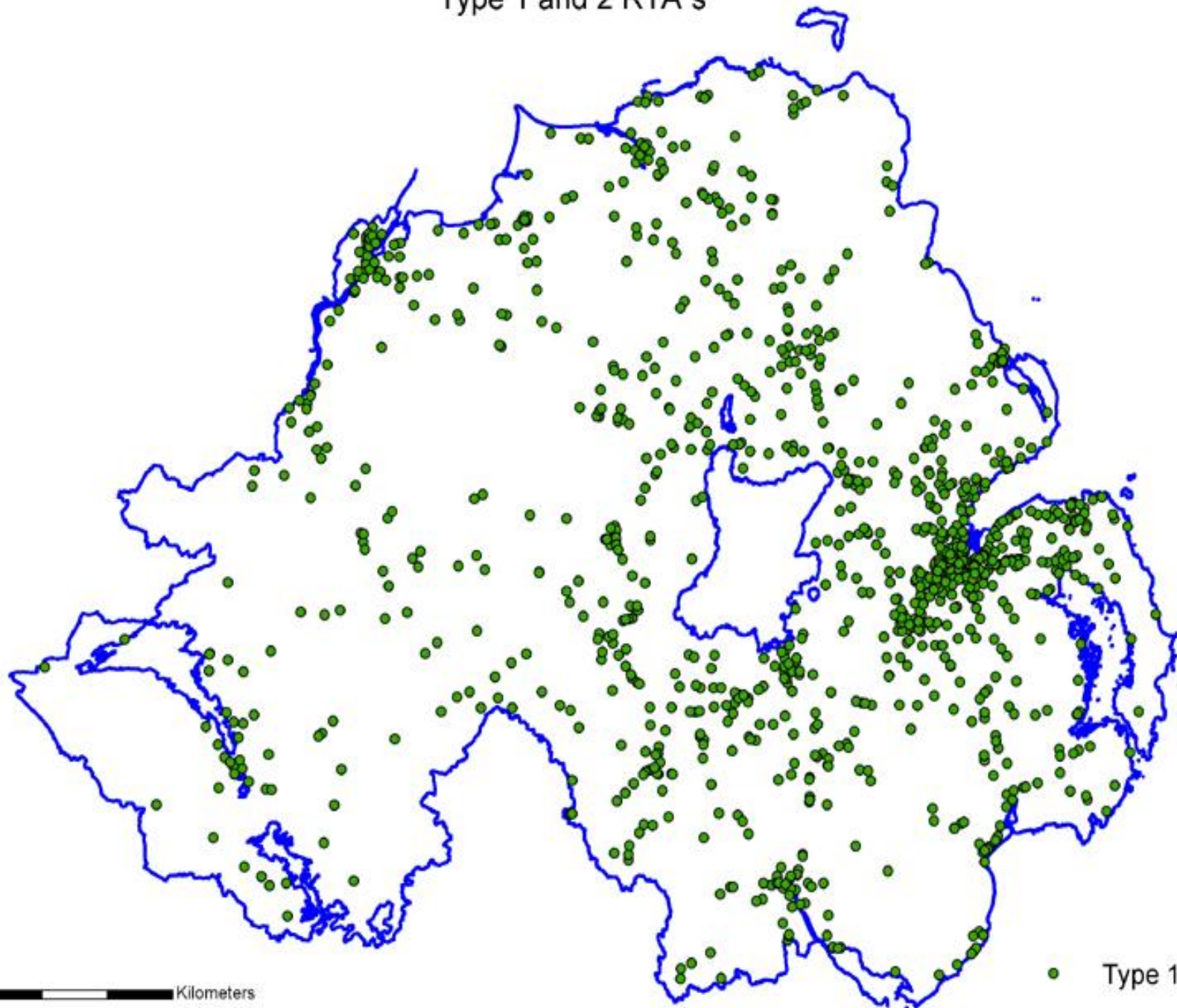
Mortality Rates of those aged under 75 (2000 - 2004) NI = 100



Investing for Health Objective 6 – Accidental Injury

“To reduce accidental injuries and deaths ... from collisions on the road”

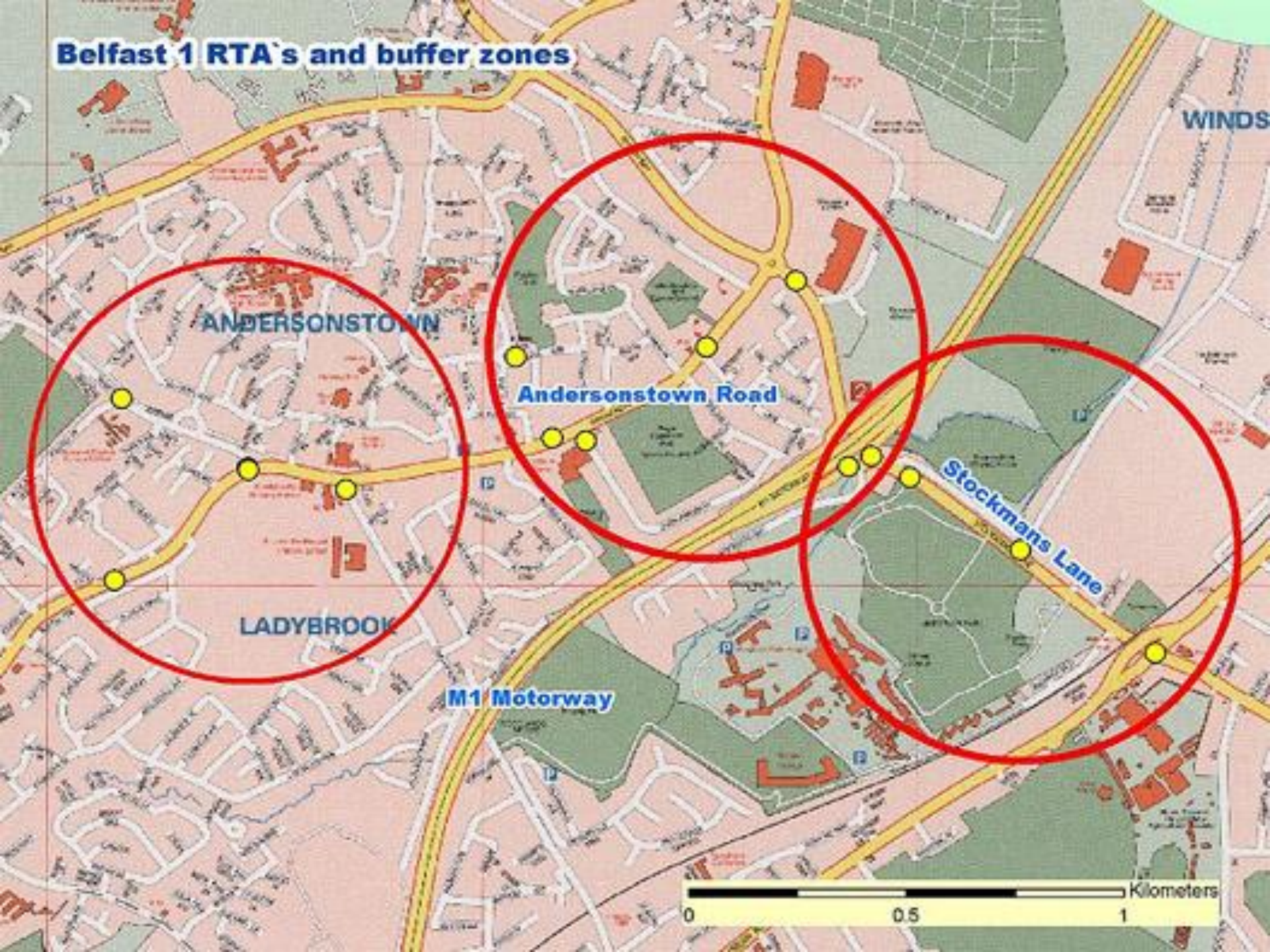
Type 1 and 2 RTA's



● Type 1 and 2

0 5 10 20 30 40 Kilometers

Belfast 1 RTA's and buffer zones



NINIS Users



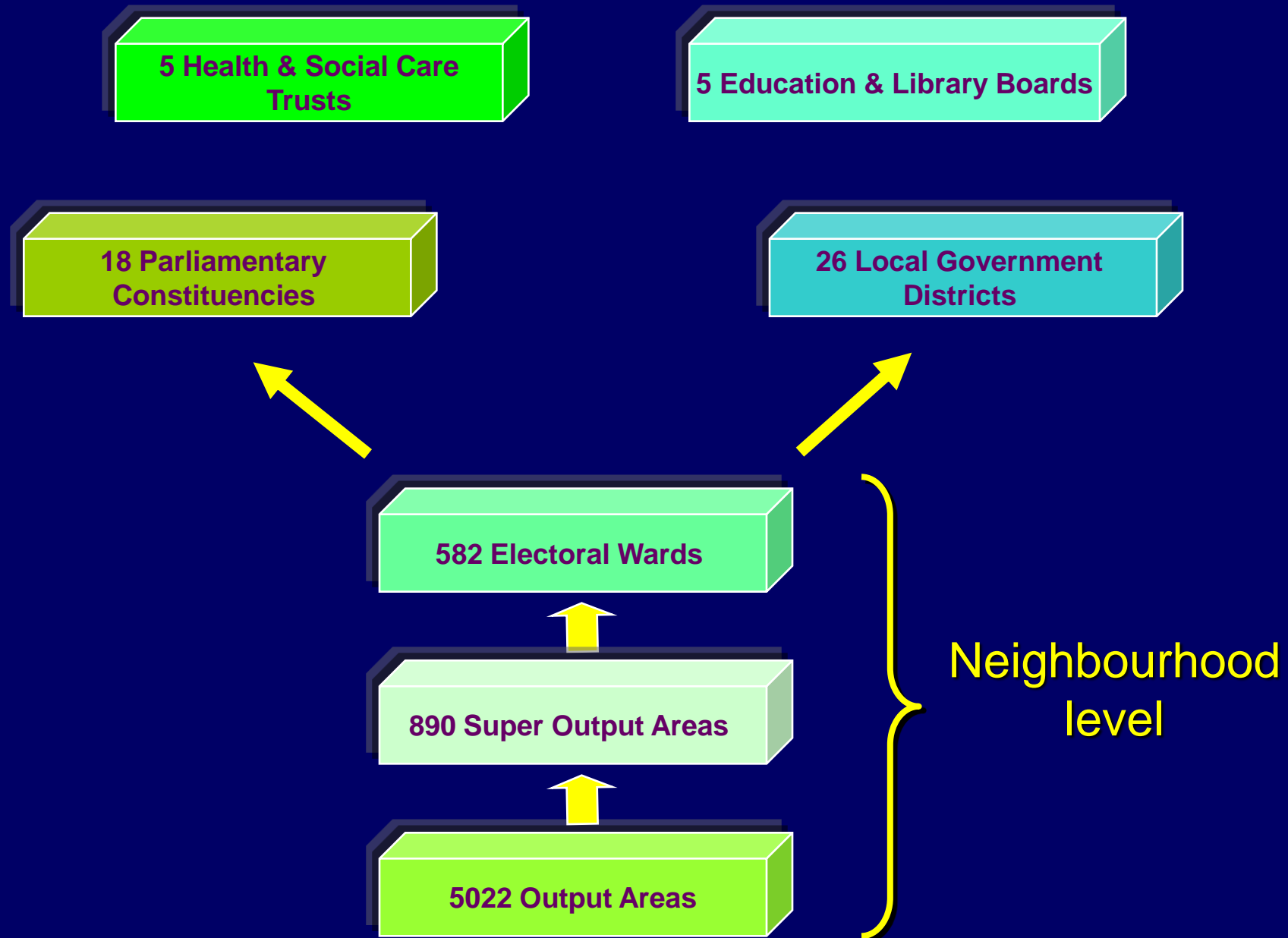
3. Other Data Initiatives

Geography

Deprivation Measures

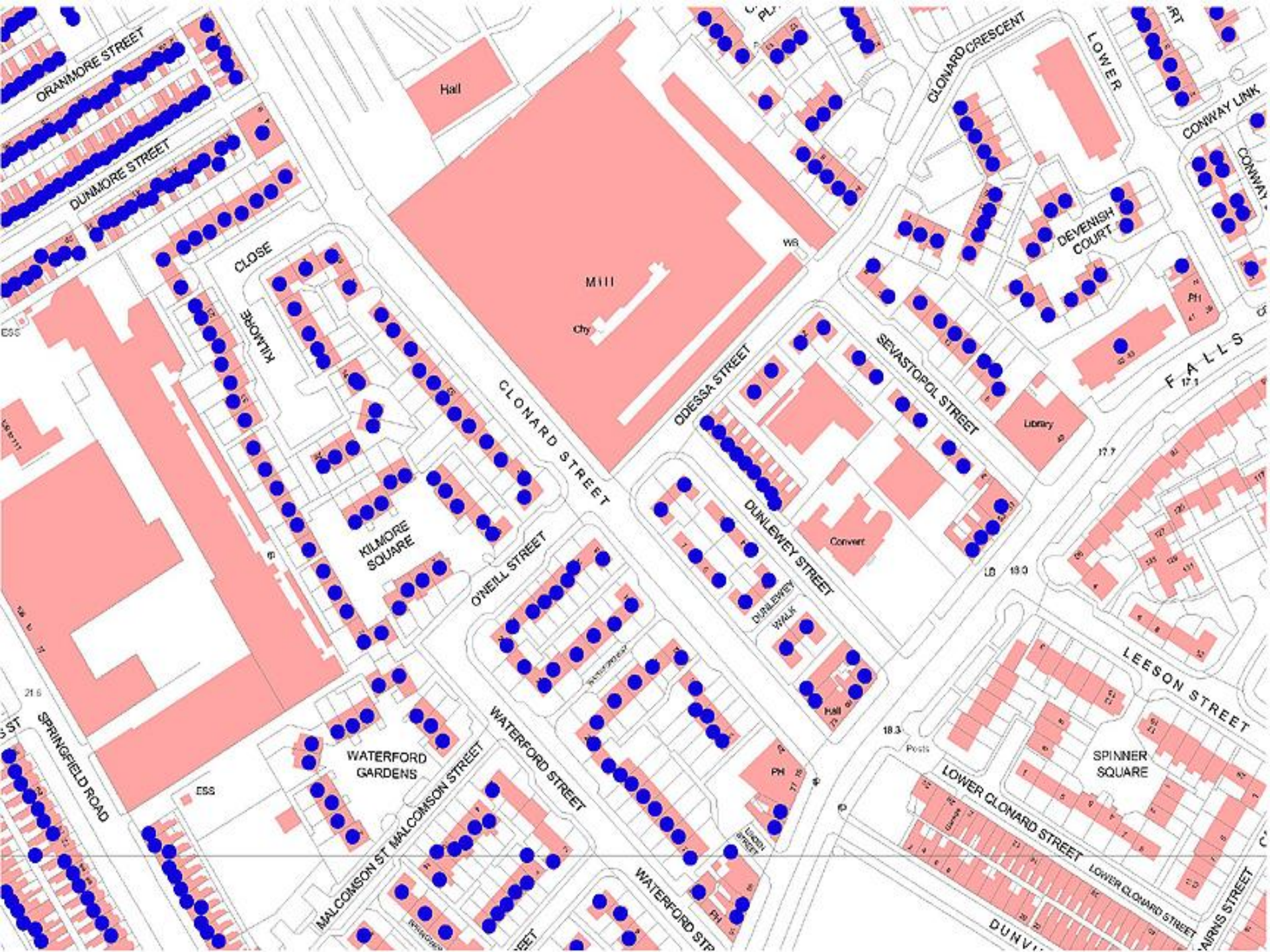
NILS

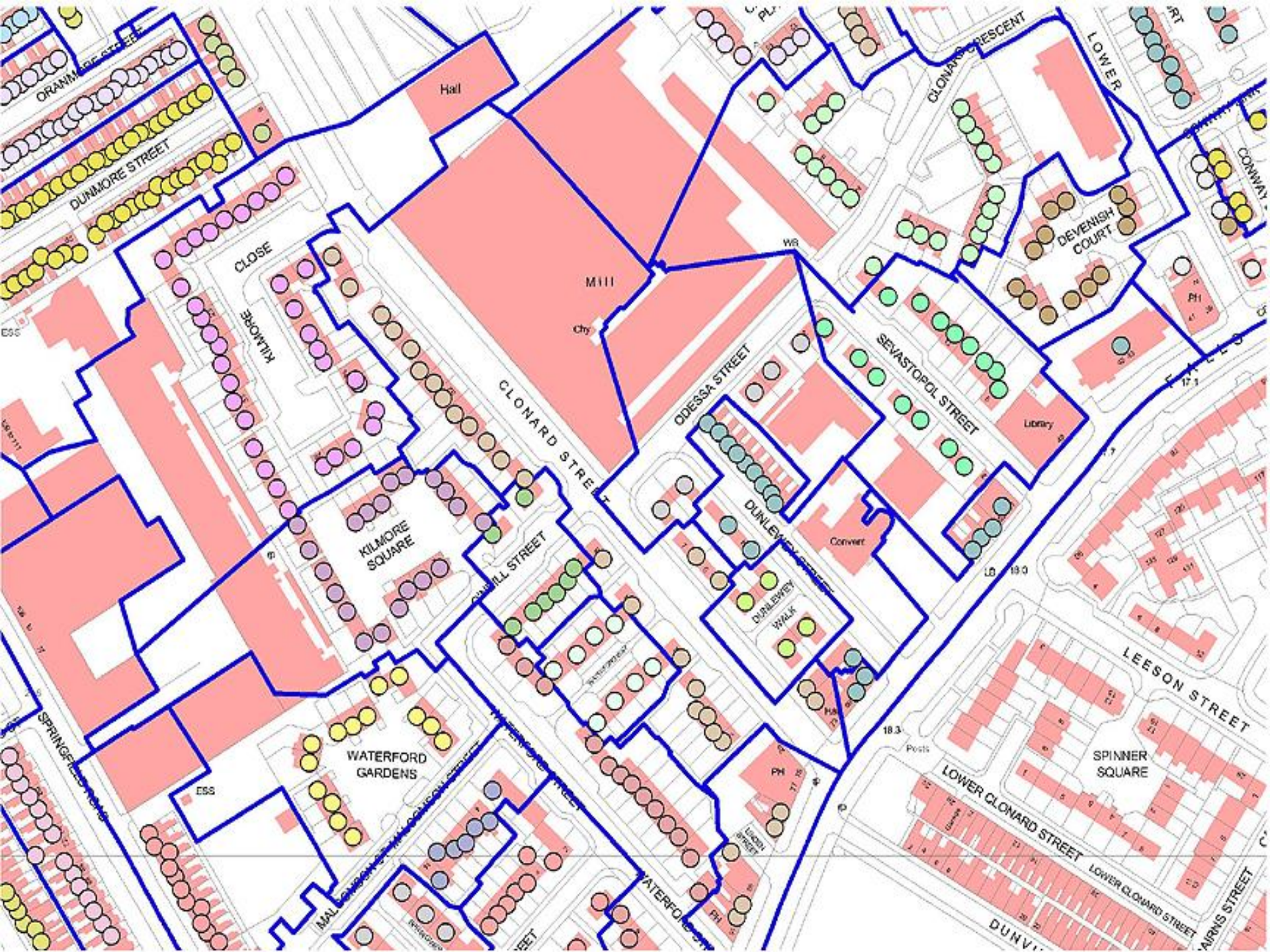
Geography

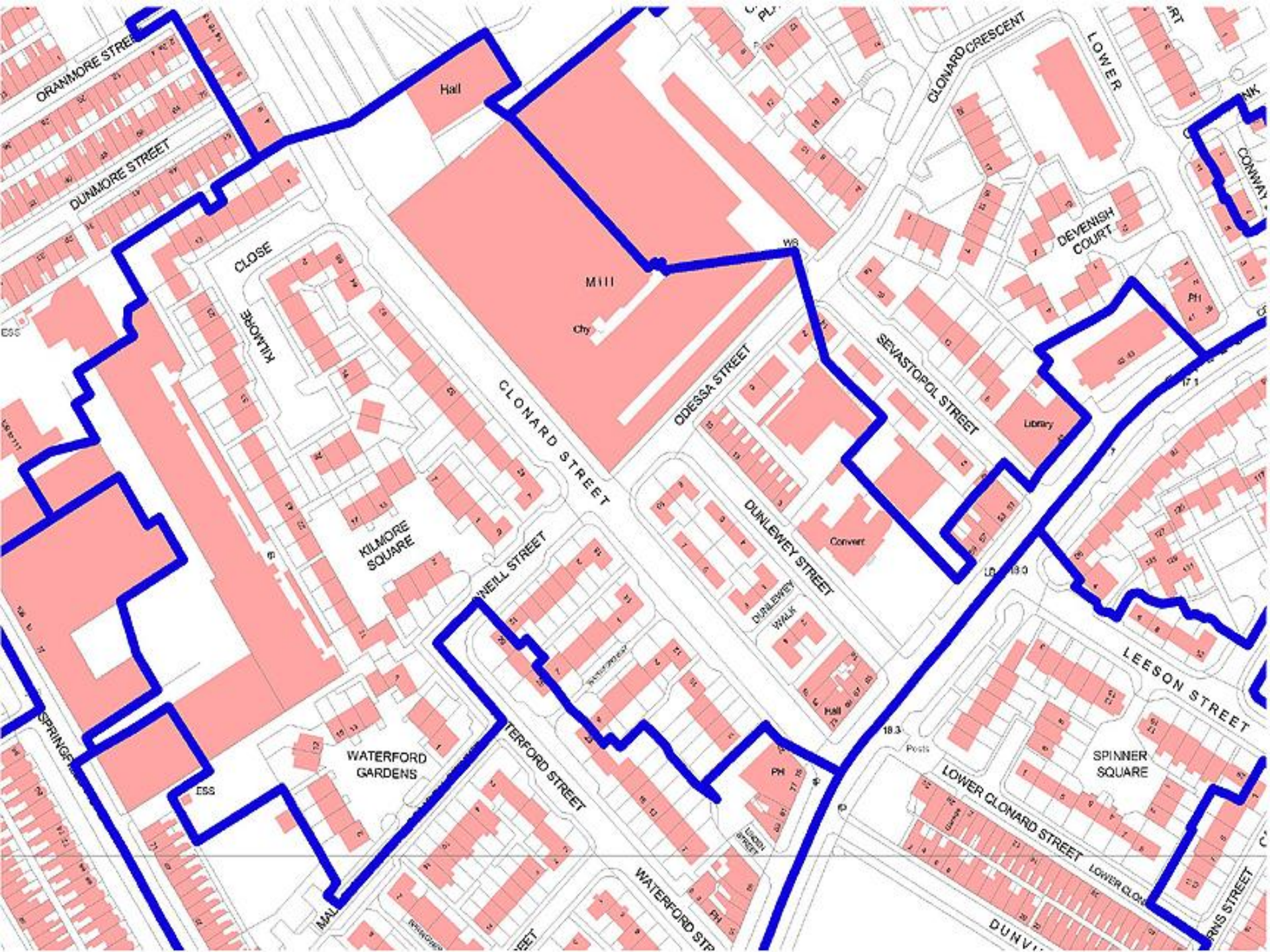


Output Areas

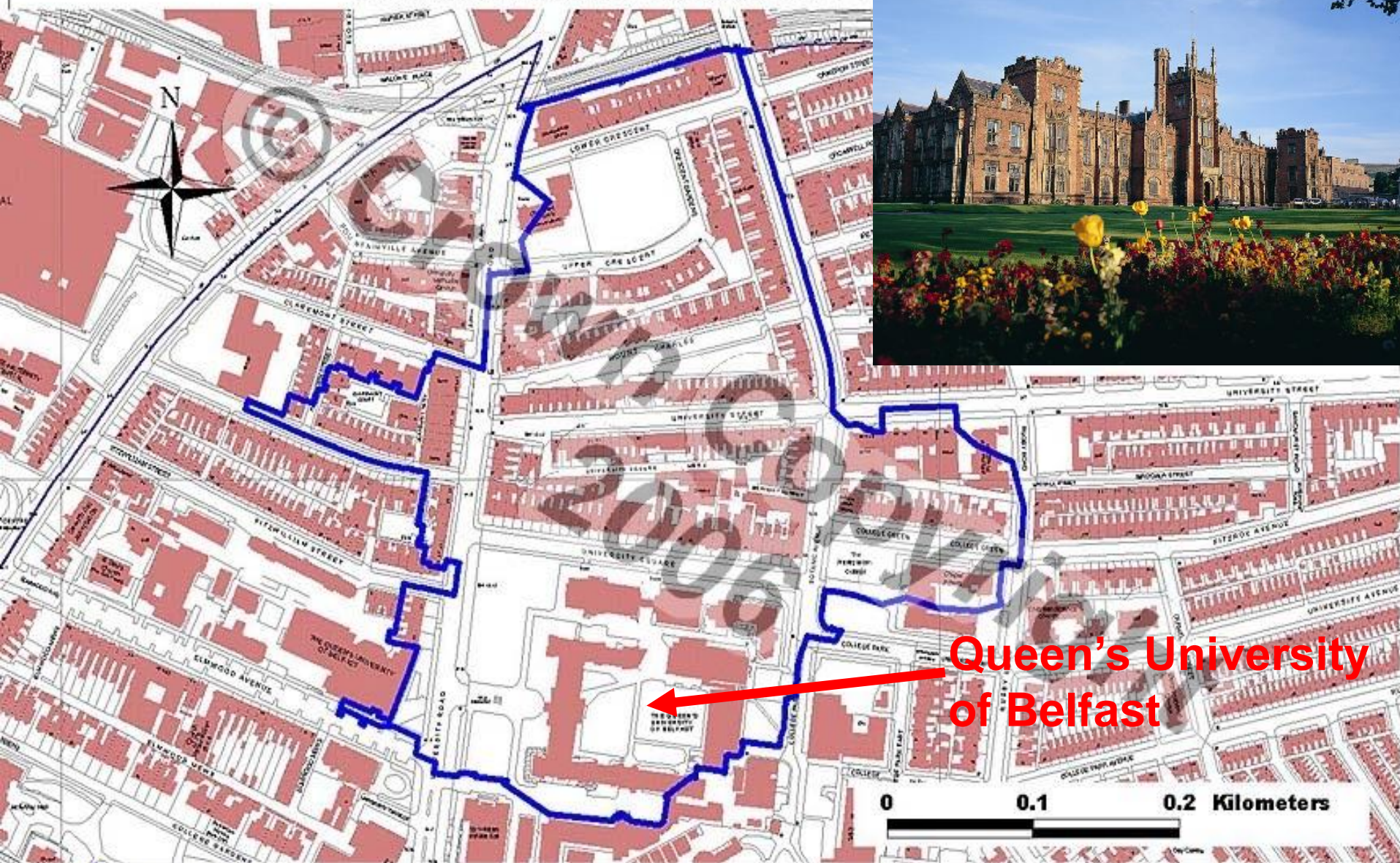
- Postcodes grouped into Output Areas
- Design parameters based on:
 - ◆ Population, socio-economic indicators
- each OA represents c125 households/350 people
- 5022 areas – released with 2001 Census







BOTANIC - 95GG120009 OUTPUT



**Queen's University
of Belfast**

Belfast LGD Botanic Ward

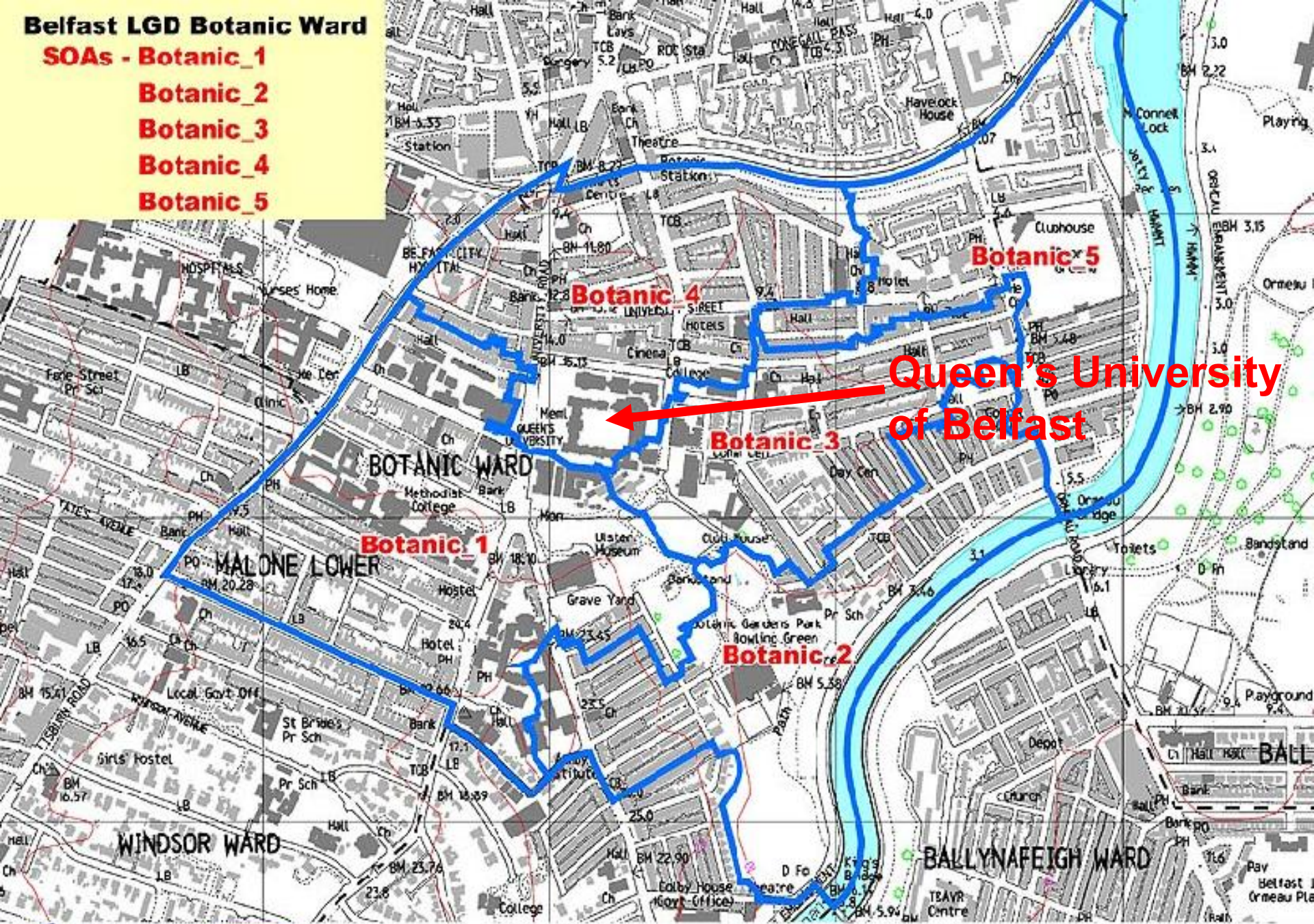
SOAs - Botanic_1

Botanic_2

Botanic_3

Botanic_4

Botanic_5



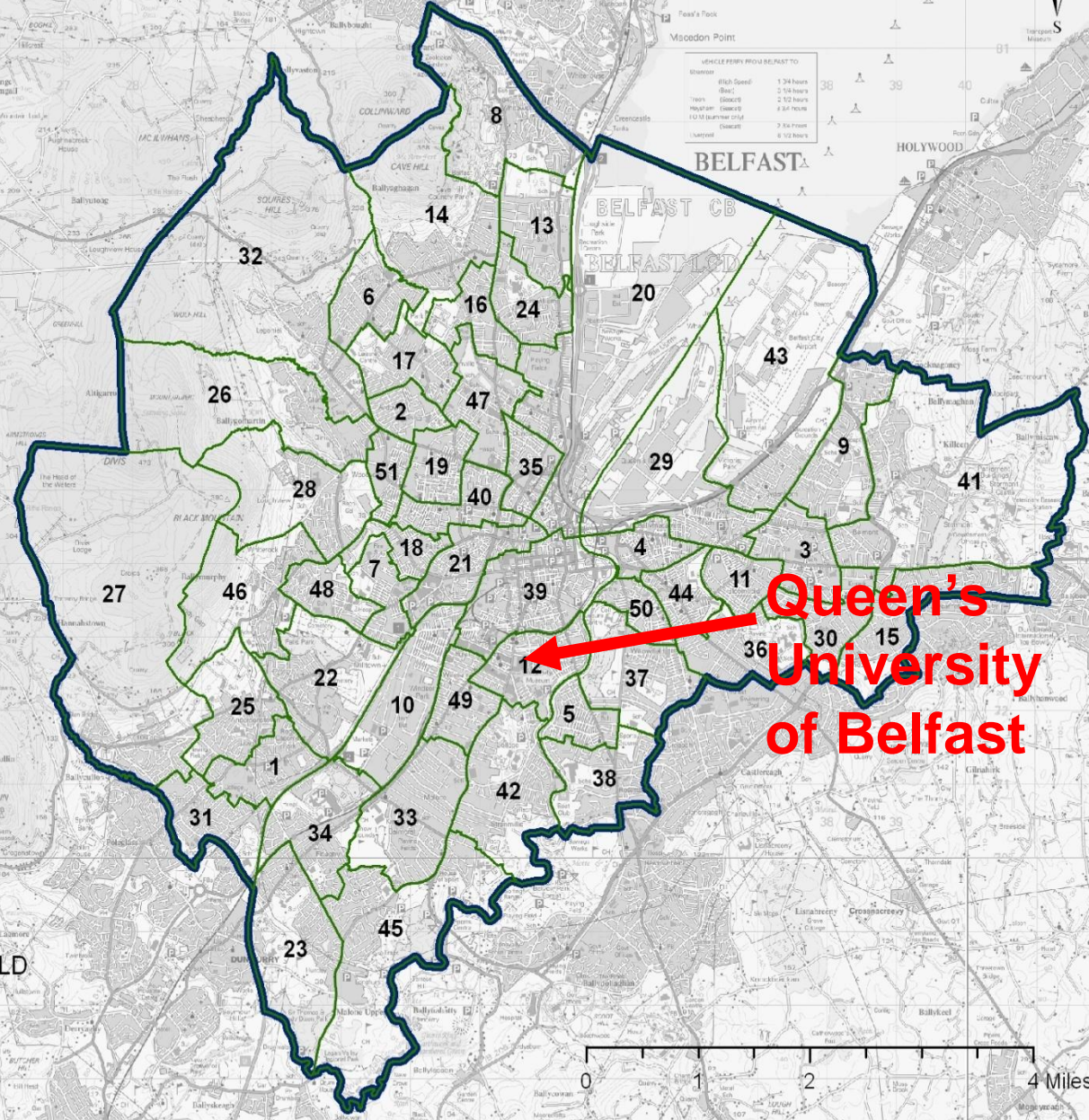
Queen's University
of Belfast

Belfast District Council by Wards



VEHICLE FERRY FROM BELFAST TO		
Destination	High Speed	Standard
Black Head	1 34 hours	2 34 hours
Malinbeg	2 34 hours	3 34 hours
Malinbeg	3 34 hours	4 34 hours
Malinbeg	4 34 hours	5 34 hours
Malinbeg	5 34 hours	6 34 hours
Malinbeg	6 34 hours	7 34 hours
Malinbeg	7 34 hours	8 34 hours

CODE	WARD	CODE	WARD
01	ANDERSONSTOWN	27	GLENCOLIN
02	ARDOYNE	28	HIGHFIELD
03	BALLYHACKAMORE	29	ISLAND
04	BALLYMACARRETT	30	KNOCK
05	BALLYNAFEIGH	31	LADYBROOK
06	BALLYSILLAN	32	LEGONIEL
07	BEECHMOUNT	33	MALONE
08	BELLEVUE	34	MUSGRAVE
09	BELMONT	35	NEW LODGE
10	BLACKSTAFF	36	ORANGEFIELD
11	BLOOMFIELD	37	RAVENHILL
12	BOTANIC	38	ROSETTA
13	CASTLEVIEW	39	SHAFTESBURY
14	CAVEHILL	40	SHANKILL
15	CHERRYVALLEY	41	STORMONT
16	CHICHESTER PARK	42	STRANMILLIS
17	CLIFTONVILLE	43	SYDENHAM
18	CLONARD	44	THE MOUNT
19	CRUMLIN	45	UPPER MALONE
20	DUNCAIRN	46	UPPER SPRINGFIELD
21	FALLS	47	WATER WORKS
22	FALLS PARK	48	WHITEROCK
23	FINAGHY	49	WINDSOR
24	FORTWILLIAM	50	WOODSTOCK
25	GLEN ROAD	51	WOODVALE
26	GLENCAIRN		



**Queen's
University
of Belfast**



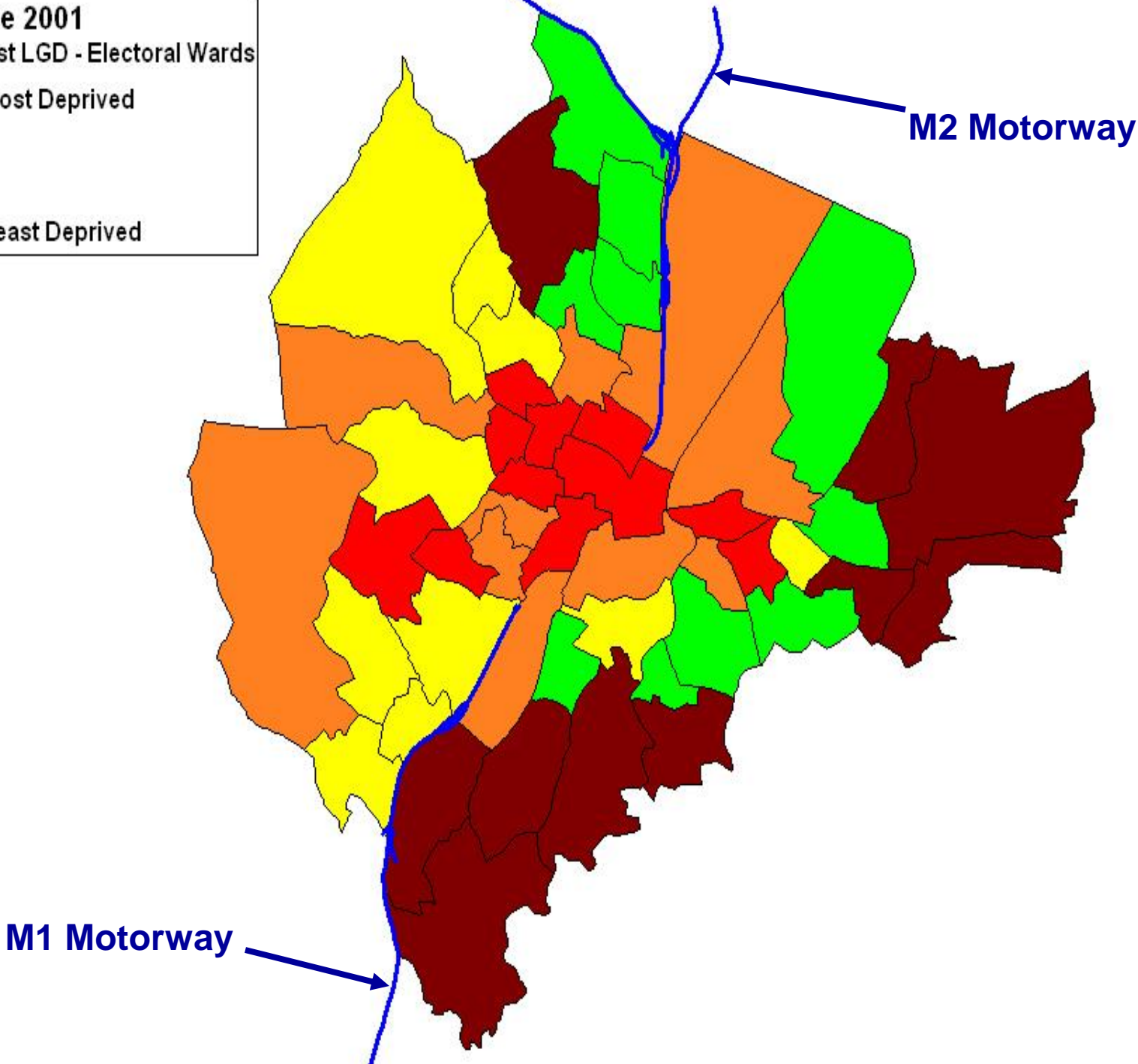
2005 Deprivation Measures

- Super Output Areas (c2,000 people)
- Domains of deprivation
 - ◆ Income, Employment, Health, Education etc..
 - ◆ Overall multiple deprivation measure (MDM) – weighted average of domains
- Results published May 2005
- Ongoing review



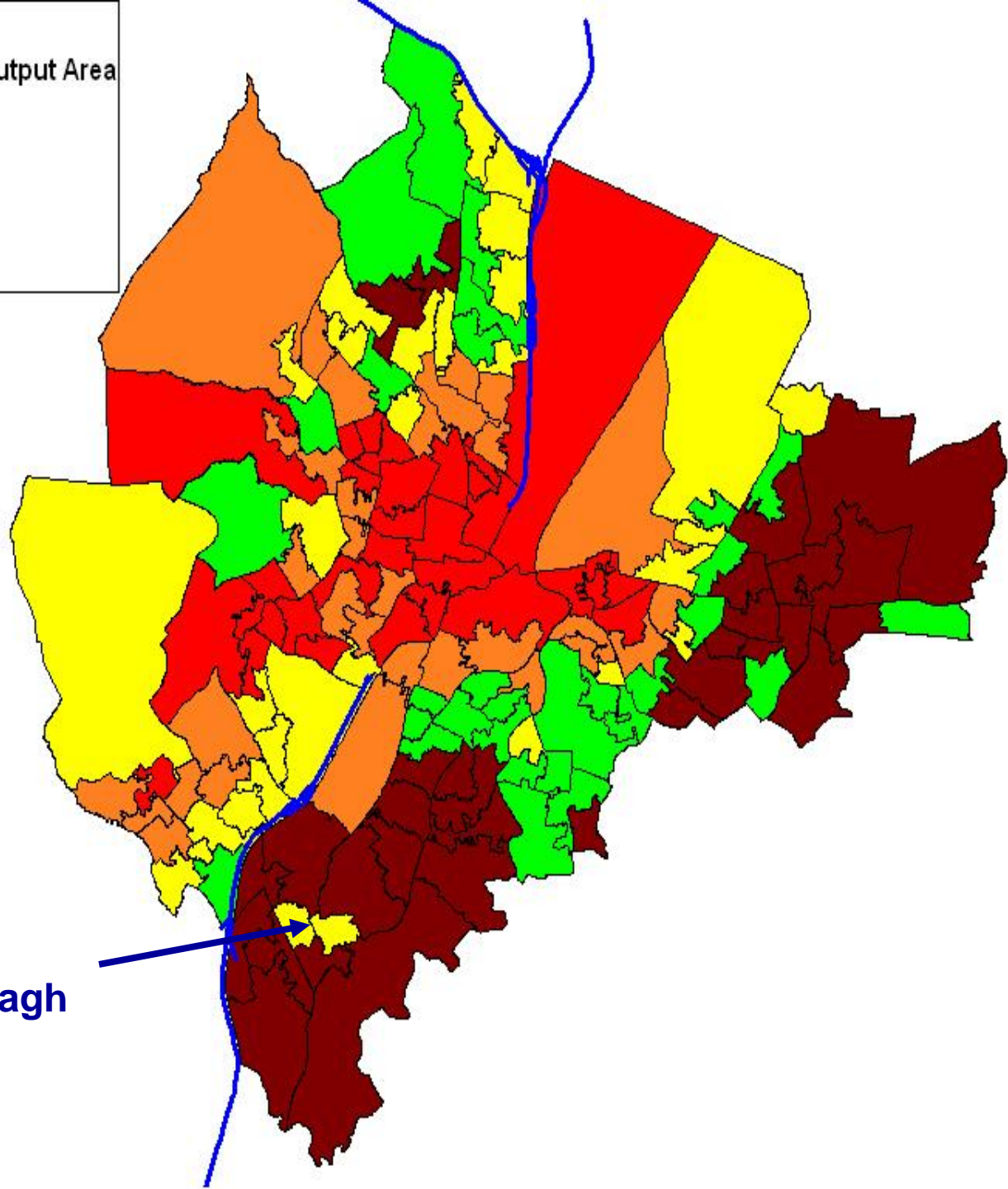
Noble 2001
Belfast LGD - Electoral Wards

- Most Deprived
-
-
-
- Least Deprived



NIMDM 2005
Belfast LGD - Super Output Area

- Most Deprived
-
-
-
- Least Deprived



Taughmonagh

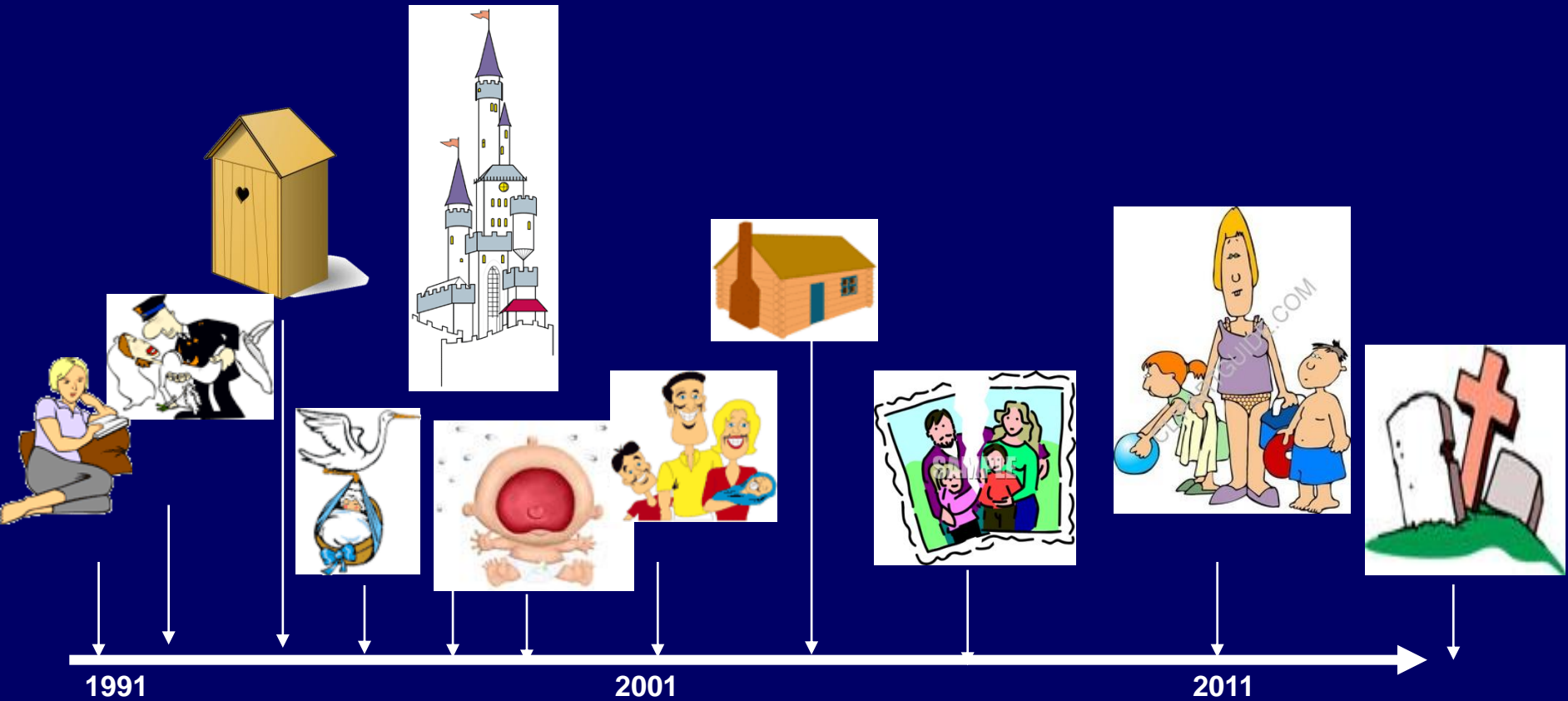
Northern Ireland Longitudinal Study (NILS)

- NLS (“Census through time”)
- Track people from 2001 Census
- GB since 1971/1991
- RoI 2006 Census mortality based

- NI sample 104 birthdays (28%)
- Current data sources
 - ◆ 1991 / 2001 Census
 - ◆ Births, Deaths, Marriage, Divorce
 - ◆ Demographic Data from health service (2001-2008)
 - ◆ Housing data from public valuation list

What is the NILS?

27-year old Female in 1991



Example research projects

- Can the Census predict future mortality?
- “Is caring bad for your health?”
- What predicts use of institutional care for older people?

Integrated Population Statistics System

- Longer term (do we need a Census?)**
- Should/could we link administrative data together (i.e. tax, health records)?**
 - What about privacy?**
 - Exciting times ahead**

Statistical Issues ahead

Ageing, Ageing, Ageing

Huge public policy implications (e.g. health, social care, housing, managed migration +++)

Limited public understanding of the issue

Ageing is a long-term issue – politics is a short term game

Official statistics needs to address multi-sectoral issue (silo mentality)

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