Northern Ireland Multiple Deprivation Measure 2010

Belfast Dissemination Event

30 September 2010

David Marshall Cathryn McBurney







Overview of presentation

- Background
 - Results NIMDM 2010
 - Break
 - Results Change over time
 - How to access the results
 - Demo
 - Q&A







Background - NI Multiple Deprivation Measure (NIMDM)

- Identifies small area concentrations of multiple deprivation
- Multiple Deprivation Deprivation is 'unmet need across a number of domains' not limited to poverty; lack of money or material possessions (Atkinson 1998)
- Spatial measure
- Concentrations not all deprived people live in deprived areas
- Relative deprivation mostleast deprived.







NI spatial measures produced since 1970s

'Robson' measures – 1994

'Noble' measures – 2001, 2005

NISRA - 2010





UK and Rol Measures of Deprivation

- Measures produced in England (2007), Wales (2008) and Scotland (2009)
- Noble methodology in common although results not directly comparable
 - Indicators, geographical units, year
- Irish measures based on 1996/ 2002/ 2006 Census (domains)
- Combat Poverty Agency: feasibility of Local Poverty Index







Uses - NI Multiple Deprivation Measure (NIMDM)

- International Programmes
 Allocating resources
 International Fund for Ireland 1990s and 00s
 European Structural Funds (Peace II)
- Central and Local Government:
 monitor impact of funding, targeting areas of need
 Neighbourhood Renewal Strategy
 Acute Hospital Resource Allocation Strategy
 Health Inequalities Monitoring
 Grant Allocation (District Councils)
- Community and Voluntary sector: funding applications developing programmes





NIMDM 2010 - Update

- Update to NIMDM 2005
- Temporal update of indicators
- Revising where explicitly recommended in 2005 Report
- Where data are no longer available
- Move from Census 2001 data to improved administrative data







NIMDM 2010:

- Consultation: July 2009

Peer Review: December 2009

- Blueprint: February 2010

- Results: March 2010

Final Report & further results: May 2010

Recommendations: Autumn 2010







Consultation Responses - 40

- Access to Benefits (A2B)
- Blackie River Community Group
- Greater Falls Neighbourhood Partnership
- Antrim Borough Council
- Armagh City and District Council
- Ballymena Borough Council Development
- Ballymoney Borough Council
- Belfast City Council
- Belfast Healthy Cities

- Belleek Partners
- Castlereagh Borough Council
- Coiste na nlarchimí
- Committee for Education
- Committee for EL
- Committee for HSSPS
- Committee for RD
- Community Relations Council NI
- Cookstown District Council
- Craigavon Borough Council
- DEL HE division







- DETI
- Disability Action
- Dungannon and South Tyrone
- Eastern IfH
- Fermanagh District Council
- Lisburn City Council
- Consultant in Dental Public Health
- NI Court Service
- NI Federation of Housing Associations
- NI Judicial Appointments Commission

- NI Local Government Association
- NICVA
- Omagh District Council
- Rural Community Network
- Rural Development Council

- Sir Reg Empey MLA, Minister for DEL
- Strabane District Council
- Tackling Inequalities in Health Project
- TIDY NI







Consultation main issues

<u>Issue</u> <u>Action</u>

HMRC Tax Credit data
 Included

Steps to Work data
 Included

Primary school data
 Included

More detailed geography Produced

Detailed in Blueprint Document and Final Report

Recommendations Document - Autumn







Results

- Geographical units
- Multiple Deprivation and Domains
- Rural Areas
- Break
- Change over time
- Accessing Results/Demo







NIMDM 2010 - Outputs

Main results
 Super Output Area

Additional results
 Census Output Area

Summary measures

Electoral Ward
Local Government District
Assembly Area







Geographies

18 Assembly Areas

5 NUTSiii areas

26 Local Government Districts





890 Super Output Areas



5022 Census Output Areas





NIMDM 2010 - Components

- 7 Domains of deprivation:
 - Income
 - Employment
 - Health Deprivation and Disability
 - Education Skills and Training
 - Proximity to Services
 - Living Environment
 - Crime and Disorder
- Income Deprivation Affecting Children (0-15 years)
 Income Deprivation Affecting Older People (60+ years)
- Multiple Deprivation Measure

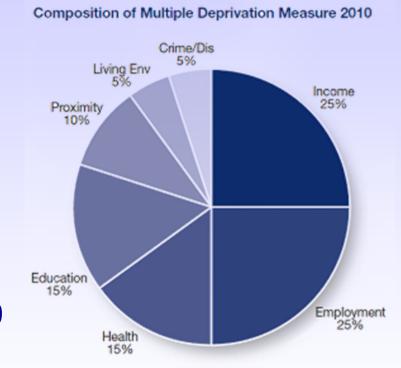






Multiple Deprivation Measure: weighted combination of the seven domains of deprivation

52 indicators data relate mostly 2007-2009



Majority of results presented as ranks

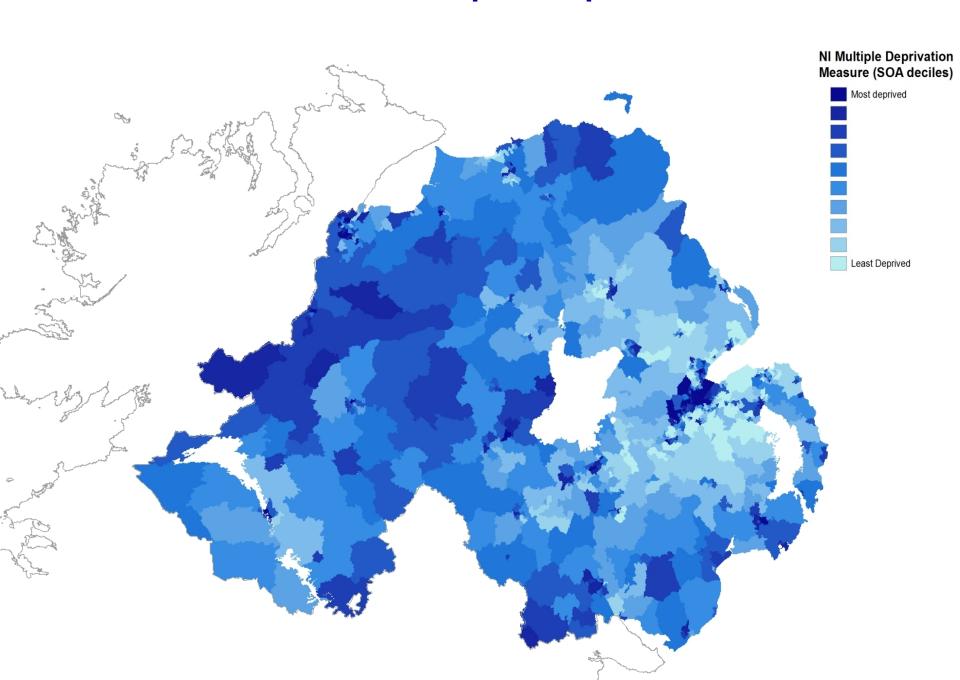
rank 1 most deprived







NIMDM 2010 Super Output Area



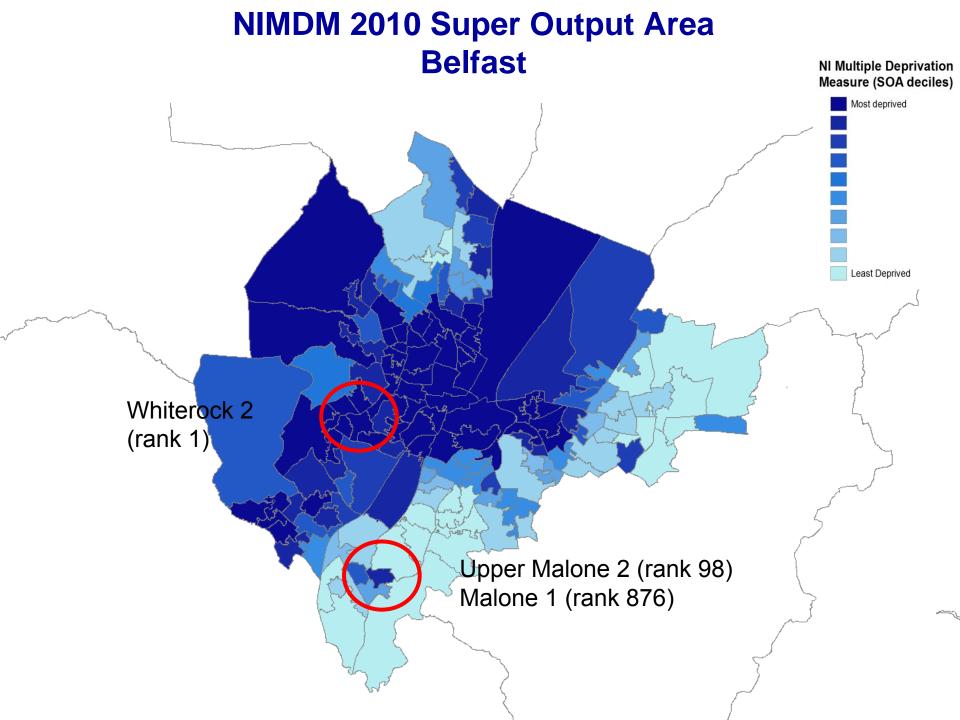
NIMDM 2010 - Results - Most Deprived

SOA NAME	LGD NAME	NIMDM 2010 rank (1=most deprived)	SOA NAME	LGD NAME	NIMDM 2010 rank (1=most deprived)
Whiterock 2	Belfast	1	Collin Glen 3	Lisburn	16
Whiterock 3	Belfast	2	Twinbrook 2	Lisburn	17
Falls 2	Belfast	3	Shankill 1	Belfast	18
Falls 3	Belfast	4	Duncairn 1	Belfast	19
New Lodge 1	Belfast	5	Upper Springfield 1	Belfast	20
Shankill 2	Belfast	6	Water Works 1	Belfast	21
Crumlin 2 Belfast	Belfast	7	Crumlin 1 Belfast	Belfast	22
Falls 1	Belfast	8	Ballymacarrett 3	Belfast	23
Ardoyne 3	Belfast	9	Whiterock 1	Belfast	24
Creggan Central 1	Derry	10	Shantallow West 2	Derry	25
Upper Springfield 3	Belfast	11	The Diamond	Derry	26
East	Strabane	12	Woodvale 3	Belfast	27
Clonard 1	Belfast	13	Strand 1 Derry	Derry	28
New Lodge 2	Belfast	14	Shantallow West 1	Derry	29
New Lodge 3	Belfast	15	Clonard 2	Belfast	30









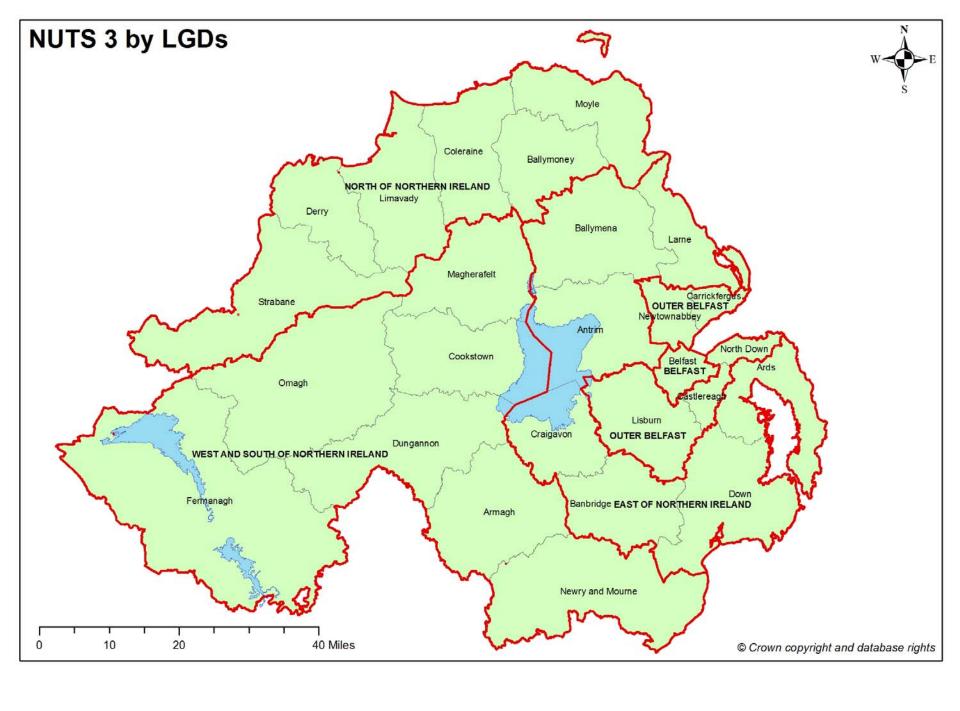
NIMDM 2010 - Results - Least Deprived

SOA NAME	LGD NAME	NIMDM 2010 rank (1=most deprived)	SOA NAME	LGD NAME	NIMDM 2010 rank (1=most deprived)
Galwally	Castlereagh	861	Malone 1	Belfast	876
Strand 2	Coleraine	862	Gilnahirk	Castlereagh	877
Ballyholme	North Down	863	Cherryvalley 1	Belfast	878
Knock 2	Belfast	864	Mallusk 3	Newtownabbey	879
Malone 2	Belfast	865	Ballymacash 2	Lisburn	880
Knockbracken 2	Castlereagh	866	Stormont 1	Belfast	881
Cultra	North Down	867	Hillfoot	Castlereagh	882
Carryduff West 1	Castlereagh	868	Cairnshill 1	Castlereagh	883
Stranmillis 1	Belfast	869	Rostulla 2	Newtownabbey	884
Bluefield 1	Carrickfergus	870	Jordanstown 3	Newtownabbey	885
Galgorm 2	Ballymena	871	Knockbracken 1	Castlereagh	886
Belmont 1	Belfast	872	Stranmillis 2	Belfast	887
Cherryvalley 2	Belfast	873	Jordanstown 2	Newtownabbey	888
Wallace Park 2	Lisburn	874	Stormont 2	Belfast	889
Cairnshill 2	Castlereagh	875	Wallace Park 1	Lisburn	890

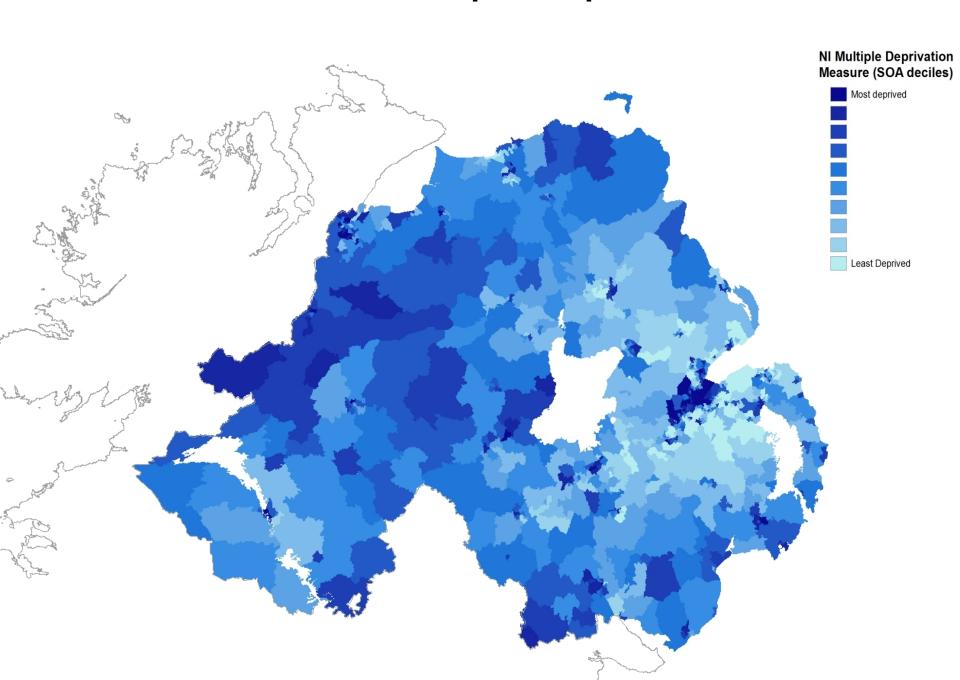








NIMDM 2010 Super Output Area



Distribution across Northern Ireland

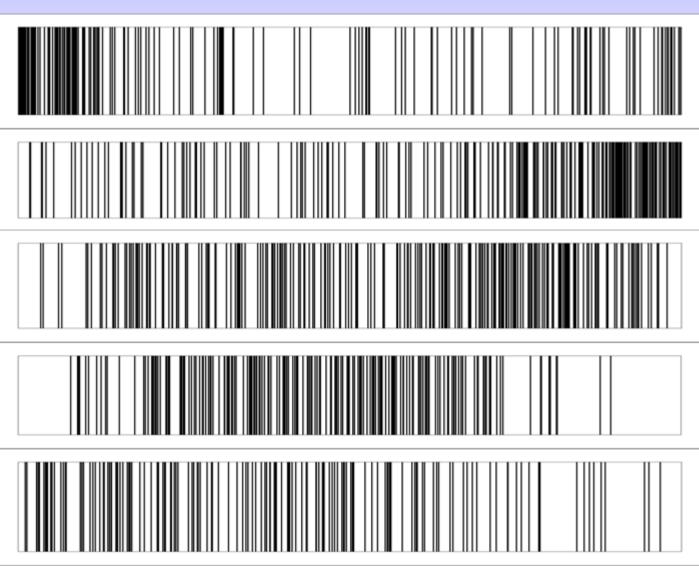
Belfast

Outer Belfast

East

West & South

North



Domains of Deprivation







Deprivation Domains

- Positive correlation between six of the seven domains of deprivation (and MDM)
 - an area deprived in one domain is likely to be deprived in other domains
- Particularly income, employment, health deprivation and disability, and education skills and training
- Negative correlation between 6 domains and proximity to services
 e.g. as Proximity to Services deprivation increases & Crime and Disorder decreases

- Income
- Employment
- Health Deprivation & Disability
- Education Skills & Training
- Proximity to Services
- Living Environment
- Crime & Disorder







Proximity to Services

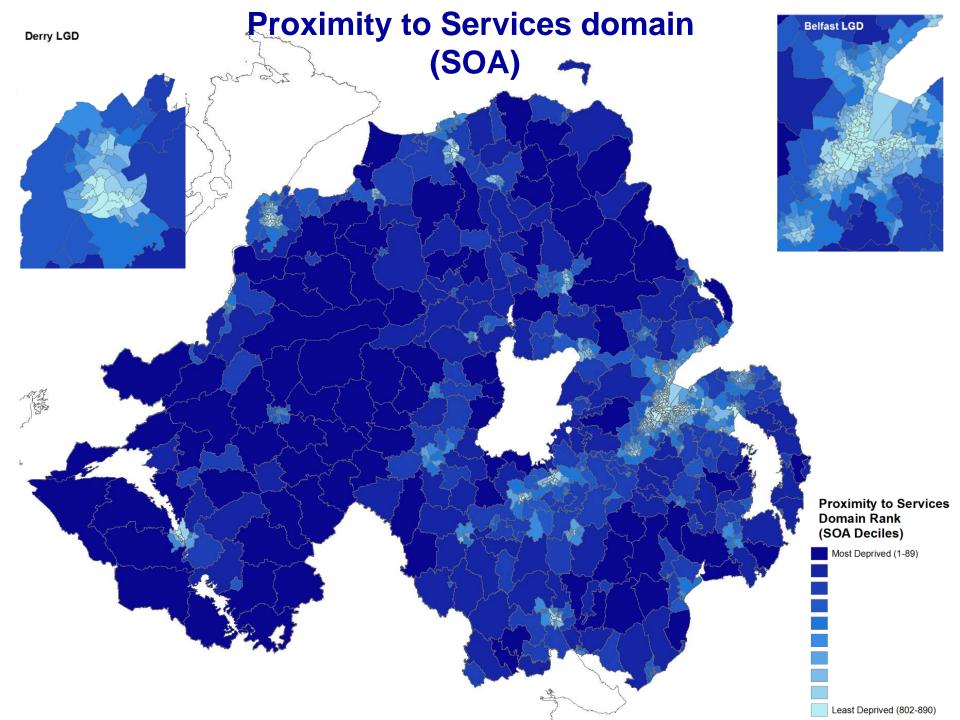
Measures geographical access to key services:

- GP Premises
- A&E hospital
- Dentist
- Pharmacist
- Optician
- Jobs and Benefits Office
- Post Office
- Food shop
- Financial Services
- Other general services
- Council Leisure Centre
- Large Service Centre









Proximity to Services Domain

Proximity to Services 2010 rank		
(1=most deprived)	SOA NAME	LGD NAME
1	Owenkillew	Omagh
2	Belleek and Boa	Fermanagh
3	Belcoo and Garrison	Fermanagh
4	Plumbridge	Strabane
5	Dunnamore	Cookstown
6	Sixmilecross	Omagh
7	Termon	Omagh
8	Carnmoon & Dunseverick	Moyle
9	Glenderg	Strabane
10	Ballyhoe and Corkey	Ballymoney
11	Rosslea	Fermanagh
12	Katesbridge	Banbridge
13	Pomeroy	Cookstown
14	Clogher	Dungannon
15	Killycolpy	Cookstown

Rural Areas







Most deprived rural areas

NIMDM 2010 Rank (1 is most deprived)	SOA NAME	LGD NAME
97	Castlederg	Strabane
112	Crossmaglen	Newry and Mourne
126	Glenderg	Strabane
134	Newtownstewart	Strabane
136	Ardboe	Cookstown
141	Sion Mills	Strabane
159	Portaferry 2	Ards
170	Dunnamanagh	Strabane
178	Ardglass 1	Down
179	Finn	Strabane
180	Pomeroy	Cookstown
182	Silver Bridge 1	Newry and Mourne
184	Creggan	Newry and Mourne
189	Dungiven	Limavady
191	Keady	Armagh

Most Deprived rural areas

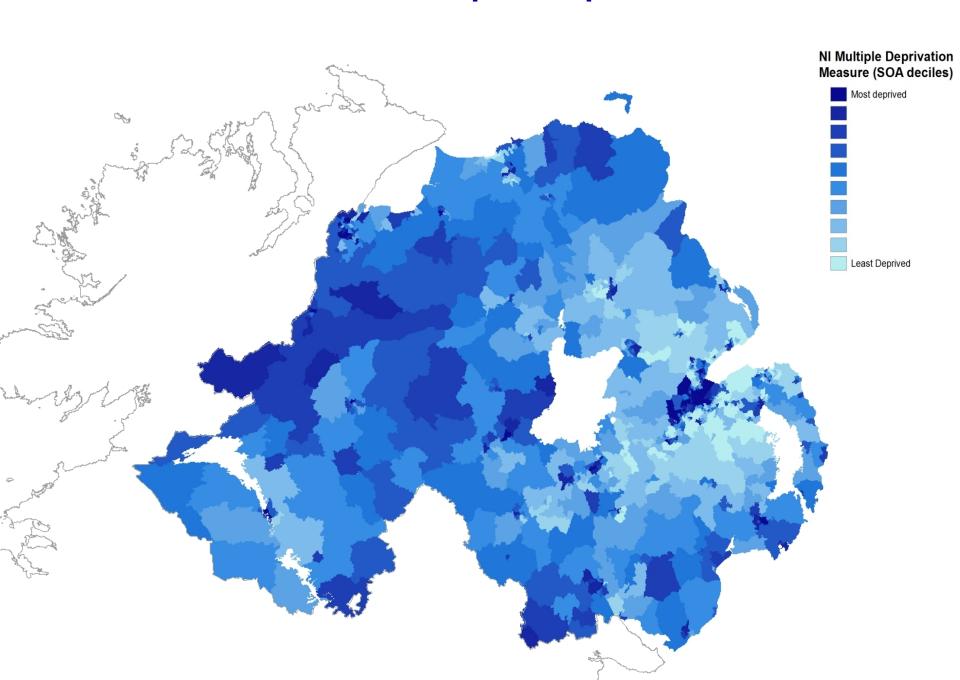
- One third of SOAs are classed as 'rural'
- SOA Deprivation results:
 no rural areas in most deprived 10% SOAs
- Rural SOAs geographically large
- Smaller concentrations identified at COA level
- COA Deprivation results:
 15 rural COAs in 10% most deprived COAs (3%)



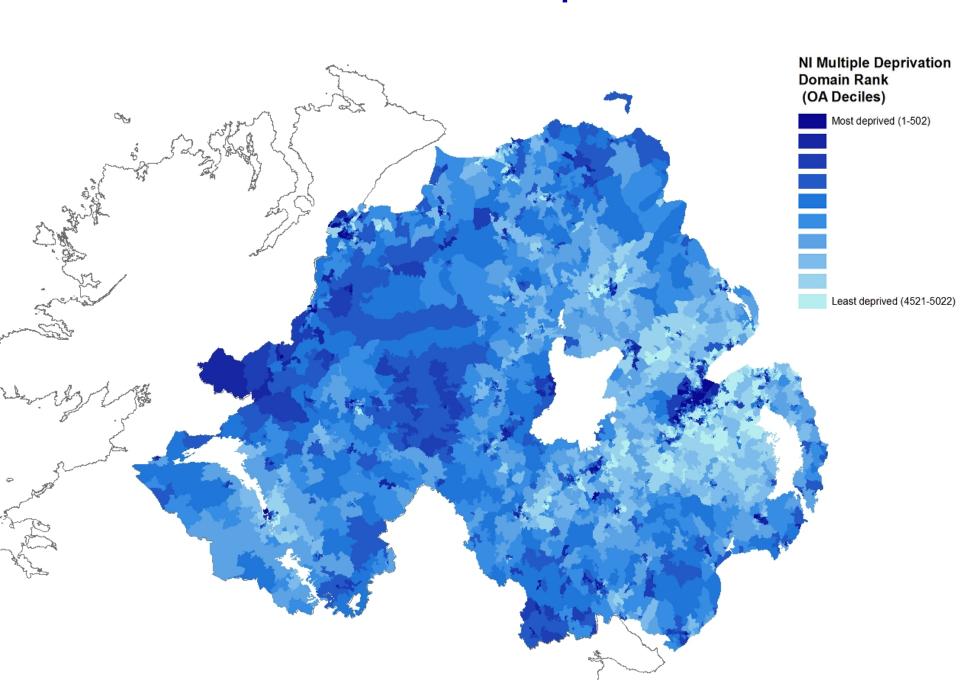




NIMDM 2010 Super Output Area



NIMDM 2010 Output Area



Change over time







Change over time

- NIMDM 2005 and NIMDM 2010 results both presented at the SOA level geography
- However different indicators included –
 chosen to best measure current levels of deprivation
 (not to be consistent over time)
- Most consistent domain (components)
 - Employment Deprivation Domain







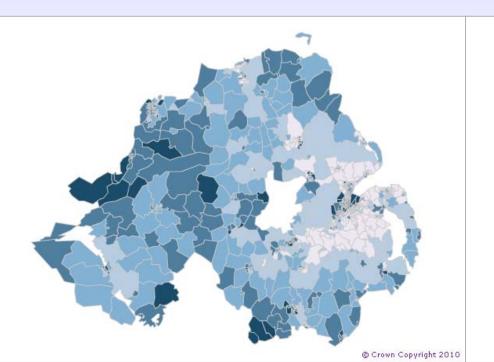
NIMDM 2010 - Results - Change Over Time 2005 and 2010

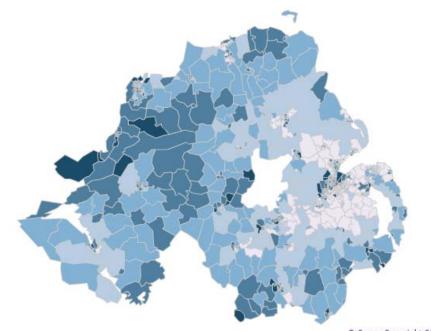
Has distribution changed between NIMDM 2005 & 2010?

- Distribution of multiple deprivation is similar
- Correlation coefficient = 0.96

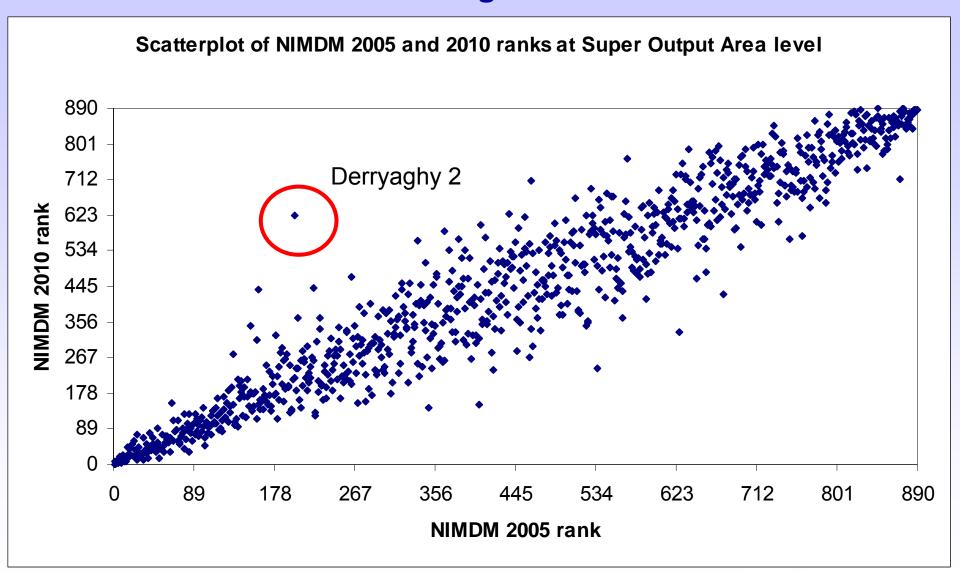
NIMDM 2005

NIMDM 2010





NIMDM 2010 - Results - Change Over Time









NI Multiple Deprivation Measure 2010 results

SOA Name	Rank 2010	Rank 2005	SOA Name Rank 2		Rank 2005
Whiterock 2	1	1	Collin Glen 3	n Glen 3 16	
Whiterock 3	2	5	Twinbrook 2	17	51
Falls 2	3	3	Shankill 1	18	7
Falls 3	4	6	Duncairn 1	19	17
New Lodge 1	5	9	Upper Springfield 1	20	29
Shankill 2	6	2	Water Works 1	21	22
Crumlin 2 Belfast	7	4	Crumlin 1 Belfast	nlin 1 Belfast 22	
Falls 1	8	14	Ballymacarrett 3	23	10
Ardoyne 3	9	13	Whiterock 1	24	31
Creggan Central 1	10	11	Shantallow West 2	25	24
Upper Springfield 3	11	12	The Diamond 26		36
East	12	26	Woodvale 3 27		18
Clonard 1	13	34	Strand 1 Derry 28		30
New Lodge 2	14	8	Shantallow West 1 29		32
New Lodge 3	15	15	Clonard 2 30		47







Persistence of deprivation

Relative deprivation – always a 'most deprived' area

Rising tide?

Absolute levels of deprivation

Employment deprivation at NI:

2005 – 15%, 2010 – 13%

Most deprived

2005 - 44%, 2010 - 42% (Whiterock 2 SOA, Belfast)

Least deprived

2005 ~ 0%, 2010 ~ 0% (Aldergrove 1 SOA, Antrim)







Population Change?

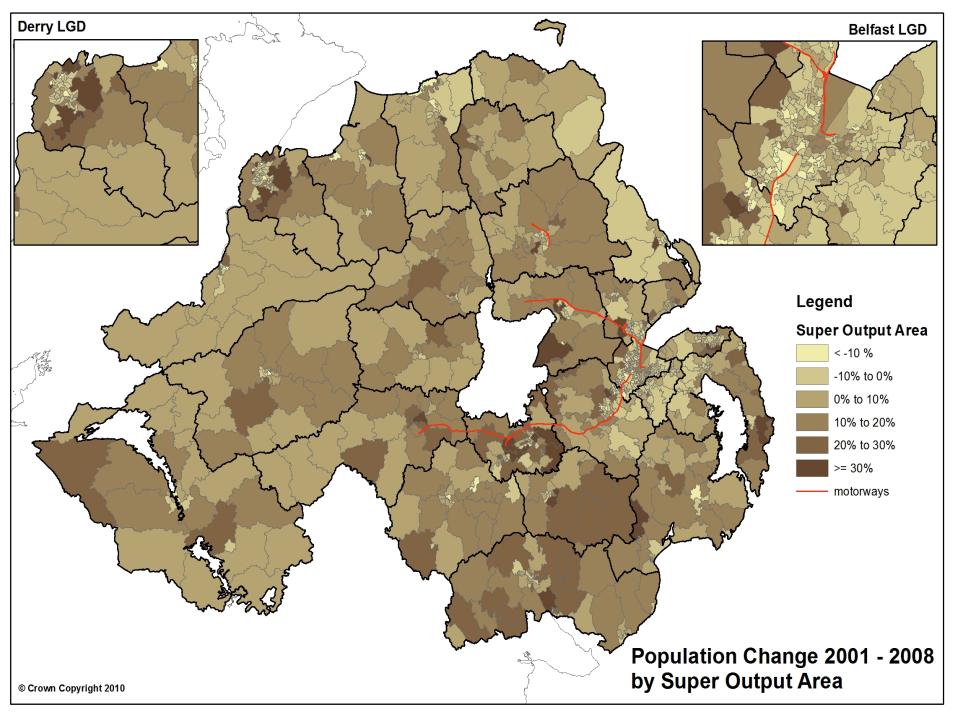
Population in NI increased by 5% 2001-2008 births > deaths
 migration - internal (urban → rural)
 - external (EU Accession)

Not uniform increase across NI









NIMDM Change Over Time – Population Change

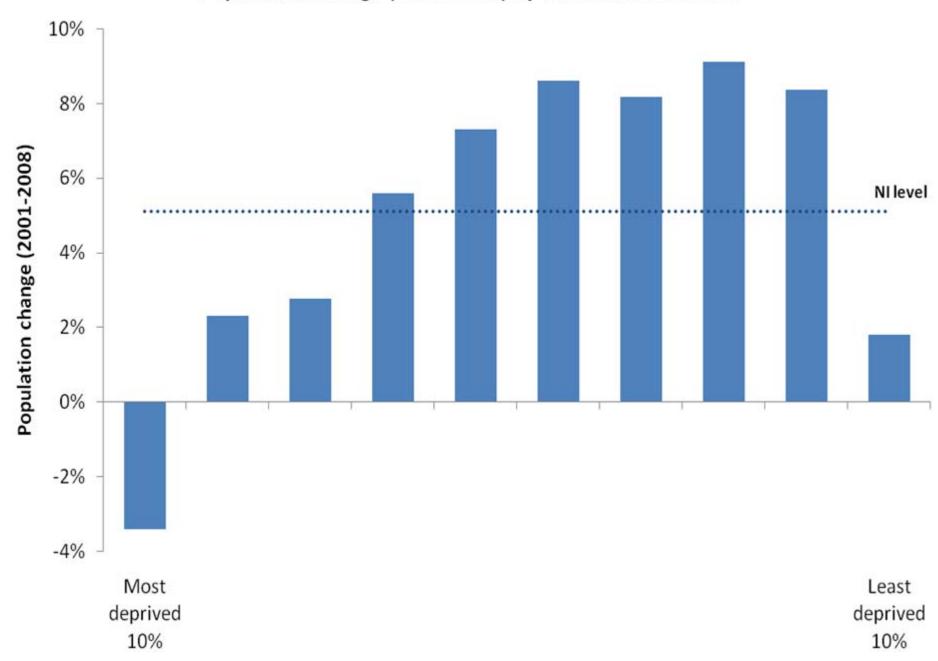
Deprivation decile (NIMDM 2010) (1 denotes most deprived)	Popn 2001	Popn 2008	% change
1	169,200	163,400	-3.4%
2	169,300	173,200	2.3%
3	171,400	176,100	2.8%
4	178,700	188,700	5.6%
5	168,800	181,200	7.3%
6	175,700	190,900	8.6%
7	167,400	181,100	8.2%
8	169,000	184,400	9.1%
9	158,000	171,200	8.4%
10	161,900	164,800	1.8%
NI total	1,689,300	1,775,000	5.1%











Change over time - conclusion

- Although distribution of deprivation is similar between 2005 and 2010, this should be considered alongside population changes
- More detailed research on migration in deprived areas and population characteristics







Accessing the results







Northern Ireland Neighbourhood Information Service (NINIS)



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 . Users will be able to obtain an area profile by entering 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

Search









NINIS

To access 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 Crime.

Deprivation 2010

Click here for Northern Ireland Multiple Deprivation Measures 2010 results.

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 & Wellbeing **Indicators**

Latest News

NI Multiple Deprivation Measure 2010 Dissemination Events

Two public dissemination events are planned as part of the dissemination of the NIMDM 2010. The events will take place in:

> • Belfast (10am, 30 September 2010, McAuley

Northern Ireland Multiple Deprivation Measure 2010

Northern Ireland Multiple Deprivation Measure (NIMDM) 2010 report and results were published on 26th May 2010. The NIMDM 2010 replaces the NIMDM 2005 as the official measure of spatial deprivation in Northern Ireland.

Area profiles interface is currently under construction. If you **Area Profile** require an area profile please enter a postcode in the Area Profile Quick Access (right). To view Deprivation Maps for the whole of Northern Ireland and for each of the 26 Local Government Districts click the Interactive **Interactive Maps** Map button (left). To see a list of the statistical data for the NIMDM 2010 available Data Catalogue in the site click the Data Catalogue button (left). To view the maps available in the site click the Map Catalogue Map Catalogue button (left). Maps are available for OAs, SOAs, Electoral Wards, Local Government Districts and Parliamentary Constituencies.

Are	a Profile – Quick Access
Plea	se enter your Postcode:
ВТ	
eg for	BT1 4AB enter BT01 4AB.
	View Area Profile

Quick Links NIMDM 2010 Report NIMDM 2010 Dissemination Leaflet **Guidance Leaflet** NIMDM 2010 Indicator Summary NIMDM 2010 LGD Profiles NIMDM 2010 AA Profiles NI MDM 2010 Blueprint Document NI MDM 2009 Consultation Document Deprivation across the UK **Guidance Leaflet** A User's Guide **NI MDM 2001 Urban-Rural** report



NINIS



Area Profile - Quick Access > Profile NINIS Home | Deprivation Home | Area Profile | Interactive Maps | Data| Maps | Deprivation Up

Deprivation Update | FAQs | Terms | Contact Us

Click on the links below to find explanations of the domains

Super Output Area Measures

Multiple Deprivation Measures
Income
Income Deprivation Affecting
Children
Income Deprivation Affecting
Older People
Employment
Health

Education
Proximity to Services
Living Environment
Crime and Disorder

Area Profile - Quick Access

Please enter your Postcode:
eg for BT1 4AB enter BT01 4AB

B T

View Area Profile

BT43 6DF is in 95DD080007 Output Area, Castle Demesne Super Output Area, Ballymena Local Government District and North Antrim Assembly Area.

Assembly Area

Local Government District

Super Output Area

Output Area

Super Output Area Information for Castle Demesne SOA (95DD08W1)

The Northern Ireland Multiple Deprivation Measure 2010 provides information on seven separate types or 'domains' of deprivation and an overall Multiple Deprivation Measure. The overall Multiple Deprivation Measure is a weighted combination of the seven domains.

On the Multiple Deprivation Measure 2010 Castle Demesne SOA has an overall rank of 196 out of 890 Super Output Areas. All SOAs in Northern Ireland are ranked relative to each other from rank 1, the most deprived (Whiterock 2 in Belfast) to 890 the least deprived (Wallace Park 1 in Lisburn). SOAs with ranks of 89 or less are in the top 10% of the most deprived SOAs in NI, this means Castle Demesne, with a rank of 196, is outside the top 10% most deprived SOAs.

Castle Demesne SOA lies in Ballymena LGD, which has 29 SOAs with ranks from 94 (Ballee) to 871 (Galgorm 2).

All information for **Castle Demesne** SOA is shown in the table below. On the income domain **Castle Demesne** SOA is ranked 243, while on the employment domain it is ranked 301. The score for the income and employment domains can be interpreted as the proportion of the population who are income deprived and the proportion of the working age population who are employment deprived. The results show that 32% of the population in **Castle Demesne** are income deprived and 14% of the working age population are employment deprived. Looking at proximity to services domain **Castle Demesne** SOA is ranked 778 out of 890 SOAs.



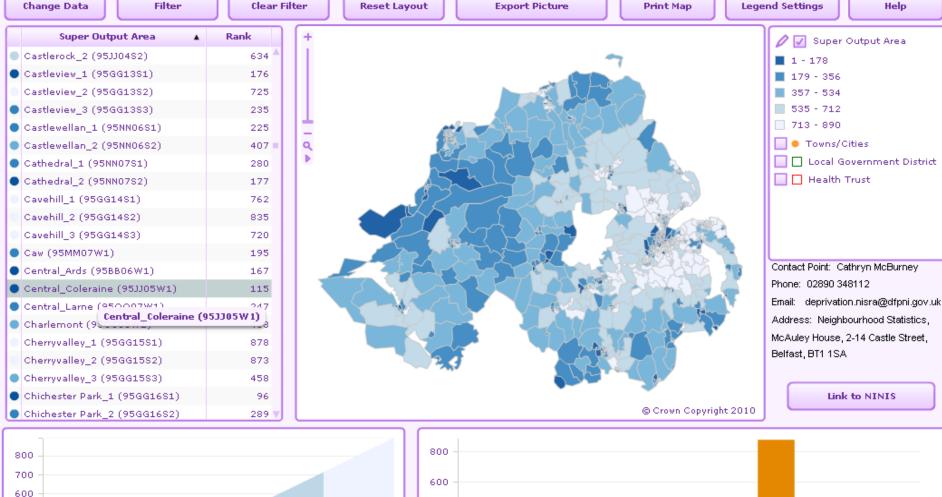
SOA Scores and Ranks	SOA Score	SOA Rank
Multiple Deprivation Measure	-	196
Income Domain	0.32	243
Employment Domain	0.14	301
Health Deprivation and Disability Domain	-	160
Education, Skills and Training Domain	2	192
Proximity to Services Domain	2	778
Living Environment Domain	-	9
Crime and Disorder Domain	-	88
Income Deprivation Affecting Children Measure	0.37	224
Income Deprivation Affecting Older People Measure	0.50	239

[SOA Ranks range from 1 (Most Deprived) to 890 (Least Deprived)]

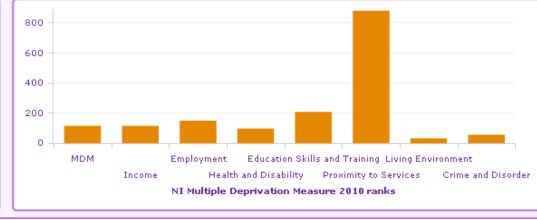


Northern Ireland Multiple Deprivation Measure: MDM





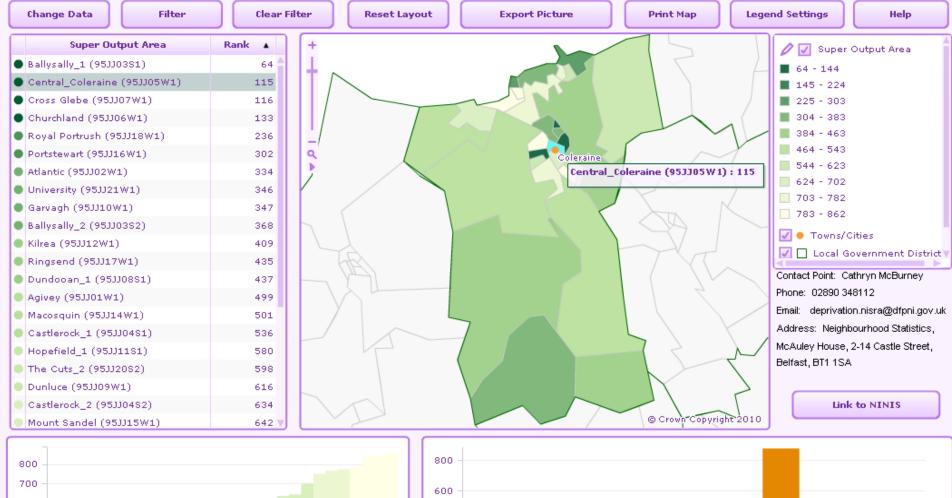


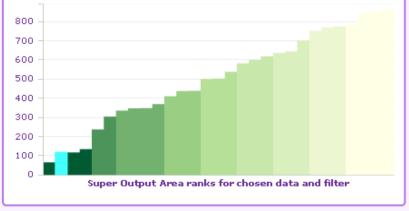




Northern Ireland Multiple Deprivation Measure: MDM















NINIS Home | Deprivation Home | Area Profile | Interactive Maps | Data| Maps

Deprivation Update | FAQs | Terms | Contact Us

Data Catalogue

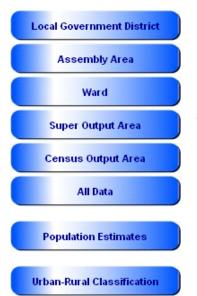
The tables below contain the Northern Ireland Multiple Deprivation Measure 2010 results (released in May 2010) and the Northern Ireland Multiple Deprivation Measure 2005 results (released in May 2005). The Northern Ireland Multiple Deprivation Measure 2010 is the official measure of spatial deprivation in Northern Ireland.

The Multiple Deprivation Measure 2010 and 7 domains of deprivation are available at the Super Output Area Level.

Domain results for the Income, Employment, Proximity to Services and Crime & Disorder Domains, and an overall Multiple Deprivation Measure are available at the Output Area Level.

Summary Measures are available at Electoral Ward, Local Government District and Assembly Area Geographies.

Click on the links below to view the information by geography.



The results for 'Super Output Area':

Theme	Year	Level	Data	
Deprivation Data at Super Output Area Level	2010	SOA	View Data ⊠	
Deprivation Data at Super Output Area Level	2005	SOA	View D Click here to download spr	eadsheet of data

Developed by NISRA @ 2010 - Crown copyright

NINIS Home | Deprivation Home | Area Profile | Interactive Maps | Data| Maps

NINIS MAP CATALOGUE

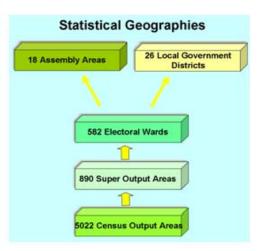
Maps are organized by Local Government District and Assembly Area.

Please note from May 2010 the Assembly Areas and Westminster Parliamentary Constituency

Areas no longer have the same boundaries. The maps displayed below refer to Assembly Areas
and the 1992 Parliamentary Constituencies.

Click on folders below to expand/minimize tree to view maps available on the NINIS website. The maps are Crown copyright, users are allowed to print out one copy of any map for personal use only, for multiple copies or other uses a licence is required. Click here for further details.

Maps are identified with the 🕏 symbol. Search by: Local Government Districts (District Councils) Local Government Districts (District Councils) Antrim ■Ards Armagh Ballymena Ballymoney Banbridge Belfast Carrickfergus Castlereagh [™]Coleraine Map of Coleraine District Council *Coleraine Inset Map Aqivey Atlantic Ballysally Castlerock Central (Coleraine) [™]Churchland Map of Churchland ward Map of COAs in Churchland ward Map of SOA(s) relating to Churchland ward



NIMDM 2010 - Contact details

Email: deprivation.nisra@dfpni.gov.uk

Mail: Neighbourhood Statistics,
McAuley House,
2-14 Castle Street,
Belfast,
BT1 1SA

Web: www.ninis.nisra.gov.uk www.nisra.gov.uk/deprivation.htm







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