

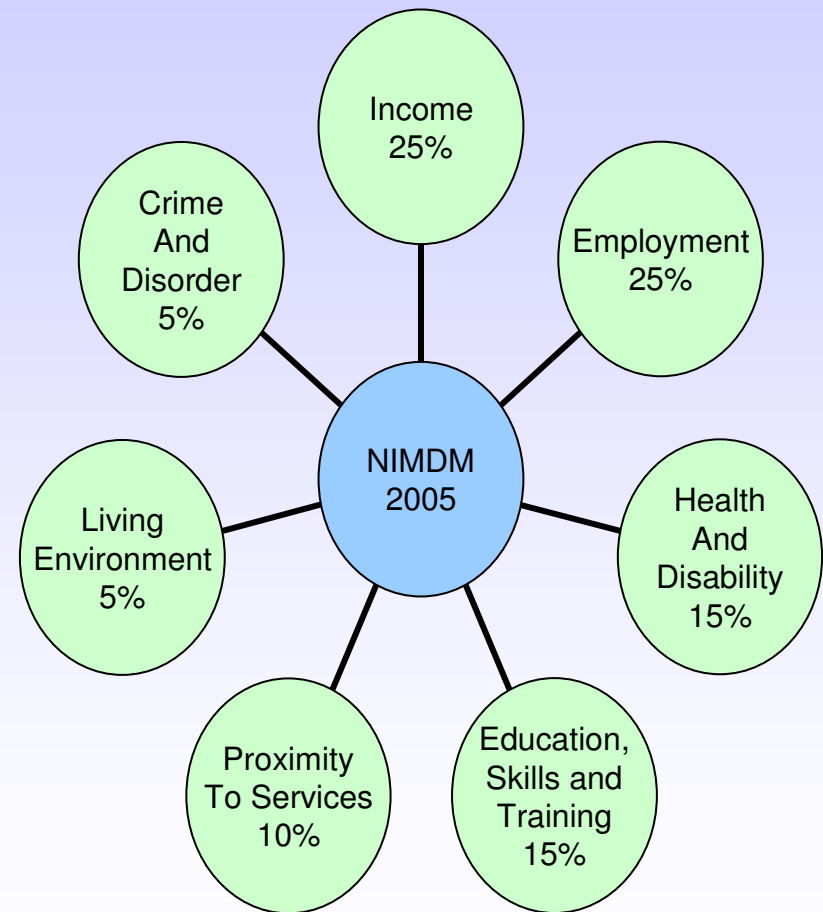
# Update of 2005 Northern Ireland Multiple Deprivation Measures

## NIMDM 2005 Domain Groups Consultation document Process



# NIMDM 2005

- Commissioned by NISRA and produced by SDRC
- Based on data relating to 2003
- Published May 2005
- Statistics Co-ordinating Group were consulted on proposals to update NIMDM 2005 and agreed to in-house update
- DFP Minister informed Executive of planned update in November 2008



# Deprivation – Domain Groups

- Domain groups met between Nov 08 – May 09
- 25 representatives
- Gained information on data availability and progress against recommendations
- Contributed to final proposals and consultation document
- Overall Domain group will discuss combination within domains and into the Multiple Deprivation Measure



# Key message - Deprivation Concept

- Deprivation measures identify small area concentrations of multiple deprivation.
- Deprivation is 'unmet need across a number of domains'  
Deprivation is not *limited* to poverty; lack of money or material possessions (Atkinson 1998)
- Common misconception...*but this indicator doesn't relate to deprivation*
- Example Crime Domain and Burglaries  
Proximity to Services and Food Stores



# Key message - Update

*The scope of the update is broadly limited to temporal updating of the indicators and domains used in the NIMDM 2005 research.*

*The intention is to revise statistical indicators only where explicitly recommended in the NIMDM 2005 report, where indicators are no longer available or where administrative data has been significantly enhanced.*

*Any revisions outside this framework, specifically any contentious revisions, are not considered as part of this update.*



# Consultation

- Consulting on all changes as a result of **NIMDM 2005 recommendations**
- Not consulting on data driven changes i.e. changes to benefit system / data availability
- Not consulting on output geography (SOA level is primary output geography, OA Economic Deprivation Measures as in NIMDM 2005 )
- Not consulting on review post 2011 Census



# Summary of changes

- Crime and Disorder Domain – no change
- Employment Domain – removal of 2 indicators
- Income Domain – removal of 2 indicators, addition of 1
- Living Environment domain- addition of 2 indicators, removal of 2
- Proximity to Services domain – addition of 3 indicators, combination of 3 into 1.
- Education, Skills and Training domain – replacement of one indicator, extension of 4, creation of 3 sub-domains
- Health Deprivation and Disability domain – 4 new indicators



# Crime and Disorder Domain

- *The Crime and Disorder Domain measures the rate of crime and disorder at the small area level*



# Crime and Disorder Domain 2005 and Recommendations

## NIMDM 2005

### *Crime Sub-Domain*

Violence, robbery and public order

Burglary

Vehicle Theft

Criminal Damage

### *Disorder Sub-Domain*

Malicious and deliberate Primary Fires

Disturbances

## Recommendations

- Expand DPP and NICS to model data to small area level
- Develop robust small area measure of domestic violence
- Explore relationship between deprivation and reporting rates
- Refine additional community safety indicators

# Crime and Disorder Domain

NIMDM 2005	Updated Domain
<i>Crime Sub-Domain</i>	<i>Crime Sub-Domain</i>
Violence, robbery and public order	Violence, robbery and public order
Burglary	Burglary
Vehicle Theft	Vehicle Theft
Criminal Damage	Criminal Damage
<i>Disorder Sub-Domain</i>	<i>Disorder Sub-Domain</i>
Malicious and deliberate Primary Fires	Deliberate Primary Fires
Disturbances	Anti Social Behaviour Incidents



# Crime and Disorder Domain Consultation Questions

- None



# Employment Domain

- *To identify the proportion of the population experiencing employment deprivation at the small area level*
- *Measures employment deprivation meaning involuntary exclusion of the working age population from work*



# Employment Domain 2005 and Recommendations

## NIMDM 2005

Unemployment claimant count

Incapacity Benefit claimants

Severe Disablement Allowance claimants

Carer's Allowance claimants

Participants in New Deal for Young People (18-24 years) who are not included in the claimant count

Participants in New Deal for 25+ who are not included in the claimant count

## Recommendations

- Use the LFS and FRS as possible sources for hidden unemployment

# Employment Domain

NIMDM 2005	Updated Domain
Unemployment claimant count	Unemployment claimant count
Incapacity Benefit claimants	Incapacity Benefit claimants
	Employment and Support Allowance claimants
Severe Disablement Allowance claimants	Severe Disablement Allowance claimants
Carer's Allowance claimants	Carer's Allowance claimants
Participants in New Deal for Young People (18-24 years) who are not included in the claimant count	
Participants in New Deal for 25+ who are not included in the claimant count	



# Employment Domain Consultation Questions

- None



# Income Domain

- *To identify the proportion of the population experiencing income deprivation at the small area level*
- Non overlapping count of those living in households in receipt of income related benefits
- Two stand alone measures  
Income Deprivation Affecting Children  
Income Deprivation Affecting Older People



# Previous Measures and Recommendations

## NIMDM 2005

Adults and Children in Income Support Households

Adults and children in income based Jobseeker's Allowance Households

Adults and children in Working Families' Tax Credit households

Adults and children in Disabled Person's Tax Credit households

## Recommendations

- Model benefit take-up
- Consider creating a child specific MDM
- Research into small area income estimates



# Income Domain

NIMDM 2005	Updated Domain
Adults and Children in Income Support Households	Adults and Children in Income Support Households
	Adults and children in State Pension Credit households
	Adults and children in income based Employment and Support Allowance households
Adults and children in income based Jobseeker's Allowance Households	Adults and children in income based Jobseeker's Allowance Households
Adults and children in Working Families' Tax Credit households	
Adults and children in Disabled Person's Tax Credit households	
	Adults and children in Housing Benefit households



# Income consultation questions

- Whether Adults and Children in Households in receipt of Housing Benefit should be included in the domain?



# Living Environment Domain

- *The aim of the Living Environment Domain is to identify small areas experiencing deprivation in terms of the quality of housing, access to suitable housing, and the outdoor physical environment.*



# Living Environment Domain 2005 and recommendations

## NIMDM 2005

*Sub-domain: Housing quality*

SOA level housing stress

Houses without central heating

*Sub-domain: Housing Access*

Household overcrowding

LGD level homelessness acceptances

*Sub-domain: Outdoor physical environment*

*SOA level local area problem score*

## Recommendations

- Examine the possible discrepancies in homelessness data
- Consider addition of access to mains water, sewage services, road quality, and home accidents.



# Living Environment Domain

NIMDM 2005	Updated Domain
<i>Sub-domain: Housing quality</i>	<i>Sub-domain: Housing quality</i>
SOA level housing stress	SOA level Decent Homes Standard
Houses without central heating	
	SOA level Housing Health and Safety Rating System
<i>Sub-domain: Housing Access</i>	<i>Sub-domain: Housing Access</i>
Household overcrowding	
LGD level homelessness acceptances	SOA level homelessness acceptances
<i>Sub-domain: Outdoor physical environment</i>	<i>Sub-domain: Outdoor physical environment</i>
SOA level local area problem score	SOA level local area problem score



# Living Environment Consultation Questions

- Whether Central Heating information from the 2001 Census and SOA level housing stress should be replaced by the Decent Home Standard?
- Whether the Housing Health and Safety Rating System should be included?
- Whether Household Overcrowding information from the 2001 Census should be excluded?



# Proximity to Services Domain

- *The purpose of this domain is to measure the extent to which people have poor geographical access to key services, including statutory and general services.*



# Proximity to Services 2005 and Recommendations

NIMDM 2005
GP premises
Accident and Emergency hospital
Dentist
Optician
Pharmacist
Jobs Centre or Jobs & Benefits Office
Post Office
Food Store
Settlement of 10,000 or more people

## Recommendations

- Gain information on bus and train services
- Collect information on car ownership
- Explore addition of cross border data
- Collect data on additional services suggested – ATMs, Sports facilities, parks, cultural facilities, social facilities

## Proximity to Services Domain

NIMDM 2005	Updated Domain
GP premises	GP premises
Accident and Emergency hospital	Accident and Emergency hospital
Dentist	Other Primary Health Care Services
Optician	
Pharmacist	
Jobs Centre or Jobs & Benefits Office	Jobs Centre or Jobs & Benefits Office
Post Office	Post Office
Food Store	Food Store
Settlement of 10,000 or more people	Large Service Centre
	Council Leisure Centre
	Financial Services
	Other general services

# Proximity to Services Consultation Questions

- Whether cross border service centres and accident and emergency hospitals should be included?
- Whether a general service indicator should be included?
- Whether the food shop indicator should be broadened to include convenience stores?
- Whether dentists, opticians and pharmacists should be combined into a single indicator?
- Whether council leisure centres should be included?
- Whether the service centres should be based on service provision rather than having a population of at least 10,000?
- Whether the calculation of proximity be based on time rather than distance?



# Education, Skills and Training Domain

- *The purpose of the domain is to measure the extent of deprivation in education, skills and training at the small area level for both children and working age adults*



# Education, Skills and Training 2005 and Recommendations

*Sub-Domain: Children/Young People*

Proportions of Years 11 and 12 pupils not in grammar school

Key Stage 3 data

GCSE/GNVQ points score

Proportion of those leaving school aged 16 and not entering FE

Proportions of 17-20 year olds who have not successfully applied for Higher Education

Absenteeism at Post Primary School

Proportions of post primary pupils with Special Education Needs

*Sub-Domain: Working Age Adults*

Proportions of working age adults in the area with no or low qualifications

## Recommendations

- Improve primary pupil level information to extend performance data to primary school
- Develop a 'year group cohort' database from School Leavers Survey
- Consider alternatives to the Census 2001 for adult qualification data

# Education, Skills and Training Domain

NIMDM 2005	Updated Domain
<i>Sub-Domain: Children/Young People</i>	<i>Sub-Domain: Primary School</i>
Proportions of Years 11 and 12 pupils not in grammar school	Key Stage 2 Teacher Assessments for English and Maths (and Irish in Irish medium schools)
	Proportions of pupils attending Special Education Needs Schools or who are attending primary school with Special Education Needs
	Absenteeism at Primary Schools (all absences)



	<i>Sub-Domain: Post Primary</i>
Key Stage 3 data	Key Stage 3 Teacher Assessments for English and Maths (and Irish in Irish medium schools/units)
GCSE/GNVQ points score	GCSE or equivalent points score
Proportion of those leaving school aged 16 and not entering FE	Proportions of those leaving school aged 16 and not entering FE or Training
Proportions of 17-20 year olds who have not successfully applied for Higher Education	Proportions of 18-21 year olds who have enrolled in Higher Education Courses at HE or FE establishments
Absenteeism at Post Primary School	Absenteeism at Post Primary Schools
Proportions of post primary pupils with SEN in mainstream schools	Proportions of pupils attending SEN Schools or who are attending post primary school with SEN



<i>Sub-Domain: Working Age Adults</i>	<i>Sub-Domain: Working Age Adults</i>
Proportions of working age adults (aged 25-59) in the area with no or low levels of qualification	Proportions of working age adults (aged 25-59) in the area with no or low levels of qualification



# Education, Skills and Training Consultation Questions

- Whether Key Stage 2 performance data should replace the ‘proportions of children aged 11 and 12 not attending a grammar school’?
- Whether primary level absenteeism rates should be included in the domain?
- Whether the proportion of primary school age pupils with Special Education Needs should be included in the domain?
- Whether the destination of school leavers at 16 years indicator should include those not entering Further Education *or training*?
- Whether three sub-domains should be introduced, decreasing the importance of 2001 Census data in the overall domain?



# Health Deprivation and Disability Domain

- *The Health Deprivation and Disability Domain identifies areas with relatively high rates of premature deaths and areas where relatively high proportions of the population's quality of life is impaired by poor health or who are disabled*



# Health Deprivation and Disability Domain 2005 and Recommendations

## NIMDM 2005

Years of Potential Life Lost

Comparative Illness and Disability  
Ratio

A combined measure of:

- i) individuals suffering from mood and anxiety disorders, based on prescribing
- ii) suicides

People registered as having cancer

## Recommendations

- Dental Extraction Data for children
- Mental Health Inpatient stays
- Improved prescription data
- Emergency Admissions



# Health Deprivation and Disability Domain

NIMDM 2005	Updated Domain
Years of Potential Life Lost	Years of Potential Life Lost
Comparative Illness and Disability Ratio	Comparative Illness and Disability Ratio
A combined measure of: i) individuals suffering from mood and anxiety disorders, based on prescribing ii) suicides	A combined measure: i) individuals suffering from mood and anxiety disorders, based on prescribing data ii) suicides iii) mental health inpatient stays
People registered as having cancer	People registered as having cancer
	Emergency Admission Rate
	Low Birth Weight
	Children's Dental Extractions



# Health Deprivation and Disability Consultation Questions

- Whether an Emergency Hospital Admission Rate indicator should be included in the domain?
- Whether Mental Health Hospital Admissions should be included in the mental health indicator?
- Whether a Children's Dental Health indicator should be included in the domain?
- Whether a Low Birth Weight Indicator should be included in the domains?



# Process

## Summer 2009

- Steering Group comments on consultation document by 30<sup>th</sup> June
- Publication of consultation document
- Consultation period 27<sup>th</sup> July to 6<sup>th</sup> November
- Public meeting(s) during consultation period
- Responses to consultation on website
- Collection of final indicator data
- DFP committee

