



# Northern Ireland Multiple Deprivation Measures 2017 Description of Indicators



#### Introduction

The Northern Ireland Multiple Deprivation Measures (NIMDM 2017) identify small area concentrations of deprivation across Northern Ireland. These measures have updated and replaced the NIMDM 2010 as the official measure of spatial deprivation in Northern Ireland.

The NIMDM 2017 is constructed from 38 different indicators relating to 7 types or 'domains' of deprivation: Income Deprivation, Employment Deprivation, Health Deprivation and Disability, Education, Skills and Training Deprivation, Access to Services, Living Environment and Crime & Disorder.

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The proportion of the population living in households whose equivalised income is below 60 per cent of the NI median



The proportion of the working age population (i.e. those aged 18-64 for both males and females) who are either (a) in receipt of at least one of the selected benefits outlined below, or (b) who are not in receipt of the selected benefits and have not received income from employment.



Standardised preventable death ratio

Standardised physical health-related benefit ratio

Standardised ratio of cancer registrations

Standardised emergency admission ratio

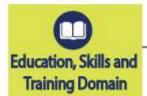
Proportion of Singleton Births with Low Birth Weight

Standardised ratio of children's dental extractions

Standardised ratio of people on multiple prescriptions on a regular basis

Standardised ratio of people with a long-term health problem or disability

Combined Mental health Indicator



Proportion of primary pupils with SEN stages 3-5

Absenteeism at Primary Schools

Proportions of school leavers not achieving five or more GCSEs at A\*-C (and equivalent) including English and Maths

Proportions of those leaving school aged 16, 17 and 18 not entering Education, **Employment or Training** 

Proportions of 18-21 year olds who have not enrolled in Higher Education Courses at Higher Education or Further Education establishments

Proportion of post primary pupils with SEN stages 3-5

Absenteeism at post-primary schools

Proportions of working age adults (25-64) with no or low levels of qualification



Service-weighted fastest travel time by private transport

Service-weighted fastest travel time by public transport

Proportion of properties with broadband speed below 10Mb/s



Proportion of domestic dwellings that are unfit

Proportion of domestic dwellings in a state of disrepair

Proportion of domestic dwellings without (1) modern boiler, or (2) loft insulation and double glazing

Proportion of population in overcrowded households

Proportion of population with disability without adaptations to dwelling

Proportion of domestic dwellings with Local Area Problem Scores

Standardised ratio of road defects Rate of Road Traffic Collisions

Proportion of properties in flood risk area



Rate of Violence (including sexual offences), robbery and public order

Rate of Burglary

Rate of Vehicle Crime

Rate of Criminal Damage and Arson

Rate of Theft

Rate of Deliberate Primary and Secondary Fires

Rate of Anti-Social Behavior Incidents

### **Northern Ireland Multiple Deprivation Measures 2017**

The Northern Ireland Multiple Deprivation Measures (NIMDM 2017) identify small area concentrations of a number of types of deprivation. These types, or 'domains', of deprivation are combined to form the multiple deprivation measure with the following weights:

Income 25%		Employment 25%			
Health 15%	Education 15%		Access 10%		Crime 5%

Results are provided for 7 domains and the overall multiple deprivation measure in the form of ranks. Areas are ordered from most deprived (rank 1) to least deprived (rank 890).

A full explanation of the background to the NIMDM 2017, the consultation process, analysis of the results and technical details can be found on the Deprivation section of the NISRA website.

https://www.nisra.gov.uk/statistics/deprivation/northern-ireland-multiple-deprivation-measure-2017-nimdm2017

The NIMDM 2017 is an update of the NIMDM 2010, with indicators revised only where there is a strong rationale (and supporting data) to do so. This update also includes a consideration of any urban/rural bias and any amendments as a result of considering the 36 recommendations arising from the 2010 work.

The NIMDM 2017 is a *relative measure* of deprivation, meaning that it is possible to say that one area is more or less deprived than another but it is <u>not</u> possible to say by how much.

Where users wish to compare areas in terms of levels of deprivation they are advised to compare on the basis of the income and employment deprivation domain scores, as these can be interpreted as the percentage of the relevant population that is deprived.

#### Recommendations

Consideration has been given to each of the 36 recommendations that arose as part of the NIMDM 2010. Positive action has been taken in respect of 17 recommendations which it is considered will improve the updated measures. 6 recommendations cannot be advanced at present due to data availability and/or quality issues and will be carried over to the next update. One recommendation was considered out of scope for this update, and a further 9 recommendations were rejected by the domain expert groups as not aligning with the agreed indicator principles. The remaining 3 recommendations will be addressed after the initial dissemination phase of the project.

#### **Comparison with similar measures**

As a direct measure of multiple deprivation does not exist, it is not possible to correlate the NIMDM 2017 outputs to another source by way of a consistency check. That being said, high correlations exist between the indicators within domains, giving an indication that they are consistent measures of deprivation.

#### **Consistency of Methodology**

The combination of indicators into domains, and domains into the overall Multiple Deprivation Measure follows a methodology developed by the Social Disadvantage Research Centre in the University of Oxford. Similar methodology is used to produce the English, Welsh and Scottish measures of deprivation. Details of the methodology are available in the accompanying technical report.

#### **Quality Assurance and Peer Review**

The work to produce the updated measures was managed under the leadership of NISRA's Director of Analysis and overseen by a formal Steering Group. Its wide membership included representatives from Non-Departmental Public Bodies, the voluntary and community sector, District Councils, and each Government Department. The Steering Group was responsible for all key decisions associated with the update and met at key stages throughout the project. Details of the meetings are made publically available on the Deprivation section of the NISRA website.

The Steering group was supported by seven Domain Expert Groups (i.e. Income & Employment, Health, Education, Living Environment, Crime and Disorder, Proximity to Services and Urban/ Rural considerations). Their role was to support the NISRA team in terms of securing access to essential data, advancing the 36 recommendations that arose from the NIMDM 2010 work and bringing forward recommendations to the Steering Group.

#### **Accessibility and Clarity**

The NIMDM 2017 results and accompanying reports are available from the NISRA and NINIS websites. Interactive maps displaying the results of the NIMDM 2017 at various geographies and area profile reports providing a summary of deprivation for each area in NI are also provided. A series of spreadsheets containing the results and metadata are also available from NISRA and the open data portal.

A series of dissemination and information events will take place after publication of the results; the NINIS website also contains guidance on how to use the measures.

#### Comparability

The NIMDM 2017 results are produced as ranks allowing Super Output Areas across Northern Ireland to be compared with each other within domains.

It is <u>not</u> possible to compare ranks for the Multiple Deprivation Measure or the 7 individual domains with the NIMDM 2010 to make a judgement on whether an area has become more or less deprived over time.

It is <u>not</u> possible to compare the ranks for the NI measure to similar measures in England, Scotland and Wales due to difference in reference years, different component indicators and geographical units.



#### INCOME DEPRIVATION DOMAIN

The purpose of the Income Deprivation Domain is to identify the proportion of the population on low income at the small area level.

#### Proportion of the population living in households whose equivalised income is below 60% of the NI median

(2015/16, DfC)

Description Proportion of people living in relative poverty

Type of indicator Rate

Time period April 2015 to March 2016

Data source Database for Income Modelling and Estimation (DIME),

Department for Communities (DfC)

The number of living in households whose equivalised income Numerator

is below 60% of the NI median

**Total Population** Denominator

Data source of denominator

Small area population estimate 2016, NISRA

Key decisions on

methodology

This indicator replaced the 2010 indicator 'the proportion of the population living in low income households'. Due to new data becoming available, it is now possible to measure household income rather than use receipt of income related

benefits as a proxy for low incomes.

This indicator is closely aligned to the definition of relative poverty, except it uses the NI median income from the dataset based on around 700 thousand households rather than the UK median income from a UK wide survey of 20 thousand households. Household incomes are equivalised to reflect

different household sizes.

**Quality Assurance** NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent. More than

# **Income Deprivation Domain**

98% of records are successfully assigned to geographies, the small number of records without spatial references were proportionally distributed.

Availability of data

Source data are not publically available.



#### **Employment Deprivation Domain**

The purpose of the Employment Deprivation Domain is to identify the proportion of the working population excluded from work at the small area level.

Proportion of working age population who are in receipt of at least one employment related benefit, and individuals who are not in receipt of the selected benefits, nor have received income from employment (2015/16, DfC)

Description Proportion of working age population who are in receipt of at

least one employment related benefit, and individuals who are not in receipt of the selected benefits, nor have received

income from employment.

Type of indicator Rate of the working age population

Time period April 2015 to March 2016

Data source Department for Communities

Numerator The number of the working age population (aged 18-64 for both

males and females) who are in receipt of at least one of the selected benefits below and individuals who are not in receipt of the selected benefits, nor have received income from

employment.

The selected benefits are Job Seeker's Allowance, Incapacity Benefit, Severe Disablement Allowance, Carer's Allowance,

and Employment and Support Allowance.

Denominator Working age population (18-64)

Data source of denominator

Small area population estimate 2016, NISRA

Key decisions on methodology

The indicator follows the 2010 indicator closely with all the benefits remaining the same with the addition of individuals who are not in receipt of the selected benefits, nor have received income from employment as a measure of hidden

unemployment. This improvement was one of the

recommendations from NIMDM 2010.

Steps 2 Success (S2S) was introduced in October 2014,

### **Employment Deprivation Domain**

replacing the previous Steps to Work (StW) programme. StW was included in 2010 to capture those not claiming Jobseeker's Allowance (JSA), but who were actively seeking employment. However, 99% of those who are in the current S2S programme are claiming JSA and therefore will already be included in the domain. Therefore, S2S participants will not be included in this domain.

Quality Assurance NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent. More than 98%

of records were successfully assigned to geographies, the small number of records without spatial references were

proportionally distributed.

Availability of data Benefit data are available from the Northern Ireland

Neighbourhood Information Service

(http://www.ninis.nisra.gov.uk).



The purpose of the Health Deprivation and Disability Domain is to identify rates of premature deaths, and proportions of the population's quality of life impaired by poor health or disability at the small area level.

# Standardised Preventable Death Rate (excluding suicide) (2012 to 2016, GRO)

Description Standardised death rate in Northern Ireland (over a five year

period) due to preventable causes

Type of indicator Age and sex standardised ratio

Time period 2012 to 2016

Data source General Register Office for Northern Ireland (GRO)

Numerator Observed number of preventable deaths

Denominator Expected number of preventable deaths

Data source of denominator

Expected number of preventable deaths was calculated by applying NI-level age-sex specific rates to small area

population estimates

Key decisions on methodology

The various causes of death and associated age bands considered to be preventable by broad public health

interventions are defined by the Office for National Statistics (ONS). Suicides have been excluded and counted separately

in the mental health indicator.

Quality Assurance Information supplied at death registration is of high quality

since wilfully supplying false information may render the

informant liable to prosecution for perjury.

Validation checks are incorporated in the registration system upon entering the information, which greatly reduces the risk of errors when registering events. See also the Northern Ireland

**Death Statistics Quality Assessment.** 

Geo-referencing The quality of address information is excellent. All 100% of

records were successfully assigned to geographies.

Availability of data Cause of death statistics are published by NISRA at:

https://www.nisra.gov.uk/statistics/births-deaths-and-

marriages/cause-death.

# Standardised physical health-related benefit ratio (2016, DfC)

Description Indirectly age and sex standardised ratio of non-overlapping

count of (1) Income Support claimants in receipt of disability premium, (2) State Pension Credit claimants in receipt of severe disability premium, (a) Attendance Allowance, (b) Severe Disablement Allowance, (c) Disability Living Allowance –

physical health, (d) Incapacity Benefit, and (b) Employment and

Support Allowance.

Type of indicator Age and sex standardised ratio

Time period January 2016 to December 2016

Data source Department for Communities (DfC)

Numerator Observed non-overlapping claimant count

Denominator Expected non-overlapping claimant count

Data source of denominator

Expected number of claimant counts was calculated by applying NI-level age-sex specific claimant rates to small area population

estimates.

Key decisions on methodology

The definition of this indicator follows the 2010 indicator closely (previously called 'Comparative illness and disability ratio')

The indicator does not include people who are in receipt of Disability Living Allowance (DLA) for mental health reasons and

no other health-related benefits

Quality Assurance A number of checks and validation rules are applied by both the

Department for Work and Pensions (DWP) and DfC when extracts of benefits data are taken. These include: checking content (variable list and number of records), cleaning

addresses, checking birth dates and comparing with previously supplied data to a process map outlining the Quality Procedures.

Geo-referencing The quality of address information is excellent. Nearly 99% of

records were successfully assigned to geographies.

Availability of data Benefits Statistics are published by the Department for

Communities at: <a href="https://www.communities-ni.gov.uk/articles/benefits-statistics-summary">https://www.communities-ni.gov.uk/articles/benefits-statistics-summary</a>

#### Standardised ratio of cancer registrations (excluding non-melanoma skin cancers)

(2011-2015, NICR)

Indirectly age and sex standardised ratio of people registered Description

as having cancer, excluding non-melanoma skin cancers.

Type of indicator Age and sex standardised ratio

Time period 2011 to 2015

Northern Ireland Cancer Registry (NICR) Data source

Numerator Observed cancer incidence

Denominator Expected cancer incidence

Data source of

Expected number of cancer registrations was calculated by applying NI-level age-sex specific claimant rates to small area denominator

population estimates

Key decisions on

methodology

The definition of this indicator follows the 2010 indicator

closely.

**Quality Assurance** NICR provides data quality indicators to the United Kingdom

> & Ireland Association of Cancer Registries (UKIACR) annually on timeliness, quality and completeness of data.

Further detail can be found here.

Geo-referencing Over 99% of the provided data was attributed to a statistical

geography; the remaining cases were proportionately

distributed over all areas.

Availability of data Official statistics on the incidence, prevalence, survival and

mortality of cancer are published by NICR at:

http://www.qub.ac.uk/research-

centres/nicr/CancerInformation/official-statistics/

#### **Standardised Emergency Admission Rate**

(2015/16, DoH)

Description Indirectly age and sex standardised ratio of emergency

admissions resulting in a stay of four nights or more.

Type of indicator Age and sex standardised ratio

Time period 2015/16

Data source Department of Health (DoH)

Numerator Observed emergency admissions

Denominator Expected emergency admissions

Data source of Expected number of cancer registrations was calculated by Denominator applying NI-level age-sex specific emergency admissions

rates to small area population estimates

Key decisions on Only emergency admissions resulting in a stay of four nights

methodology or more were included as a measure of severity and to

reduce the potential influence of proximity.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing DoH supplied data at Small Area level; 0.6% of admissions

could not be allocated to Small Areas, and have been proportionally distributed over the known Small Areas.

Availability of data Hospital activity statistics are published by DoH at:

https://www.health-ni.gov.uk/topics/dhssps-statistics-and-

research/hospital-activity-statistics

# Proportion of singleton births with low birth weight (2012 to 2016, Child Health System)

Description Proportion of singleton births of low birth weight. Low birth

weight is defined as a birth weight of less than 2.5 kilograms.

Type of indicator Proportion

Time period 2012 to 2016

Data source Child Health System, Department of Health

Numerator Number of low birth weight (singleton) births

Denominator Number of (singleton) births

Data source of denominator

Child Health System, Department of Health

Key decisions on methodology

Low birth weight is defined as a birth weight of less than 2.5 kilograms following DoH guidelines, regardless of the

gestation period. Multiples have been excluded as they

naturally tend to be of lower weight.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing DoH supplied data at Super Output Area level; 1.2% of all

births and 1.1% of low birth weight births could not be

allocated to Super Output Areas, and have been

proportionally distributed over the known Super Output

Areas.

Availability of data Source data are not publicly available.

#### Standardised ratio of Children's Dental Extractions

(2013/14 and 2015/16, BSO and DoH)

Description Indirectly age and sex standardised ratio of dental

extractions for children aged 0-15.

Type of indicator Age and sex standardised ratio

Time period 2013/14 and 2015/16

Data source Business Services Organisation (BSO) and Department of

Health (DoH)

Numerator Observed number of extractions

Denominator Expected number of extractions

Data source of denominator

Expected number of teeth extractions were calculated by applying NI-level age-sex specific extraction rates to small

area population estimates

Key decisions on methodology

The age-sex standardized ratio has replaced the rate used in NIMDM 2010 (extracted teeth per child). Furthermore, teeth extracted by orthodontists were excluded from the BSO data, as this could be done for cosmetic rather than medical

reasons.

Quality Assurance The BSO data count the number of teeth extracted. The DoH

data count the number of children undergoing extractions in hospitals. On advice from DoH these counts were multiplied by 4.68 teeth, the average number extracted per procedure in hospitals. This has slightly changed from an average 4.9

teeth used in NIMDM 2010.

Geo-referencing The quality of address information is excellent, with 99.3% of

BSO data and 99.7% of DoH data successfully assigned to geographies. The remaining records were proportionally

distributed.

Availability of data This data is not available.

# Standardised proportion of people on multiple prescriptions on a regular basis (2015/16, BSO)

Description Standardised proportion of people on multiple prescriptions

on a regular basis

Type of indicator Age and sex standardised ratio

Time period 2015/16

Data source Business Services Organisation (BSO)

Numerator Observed number of people on multiple prescriptions on a

regular basis

Denominator Expected number of people on multiple prescriptions on a

regular basis

Data source of denominator

Expected number of people on multiple prescriptions on a regular basis were calculated by applying NI-level age-sex

specific rates to small area population estimates

Key decisions on methodology

This is a new indicator.

Following advice from BSO the indicator is defined as people receiving 5 or more prescriptions, 3 out of 4 quarters in the year including the first and last. Residents of residential care and nursing homes have been excluded from both the

numerator and the denominator.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, with 99.5% of

data successfully assigned to geographies. The remaining

records were proportionally distributed.

Availability of data Pharmaceutical Statistics are published by BSO at:

http://www.hscbusiness.hscni.net/services/1806.htm

#### Standardised proportion of people with a long term health problem or disability (excluding mental health)

(2011, Census)

Standardised proportion of people with a long term health Description

problem or disability (Excluding mental health)

Type of indicator Age and sex standardised ratio

Time period 2011

Data source Census

Numerator Observed number of people with a long term physical health

problem or disability

Denominator Expected number of people with a long term physical health

problem or disability

Data source of denominator

Expected numbers were calculated by applying NI-level age-

sex specific rates to small area population estimates

Key decisions on

methodology

This is a new indicator.

People with mental health problems only have been removed from this indicator and added to the combined

mental health indicator.

**Quality Assurance** Although the data are from the 2011 Census, the age-sex

> specific proportions of people with a long-term health problem or disability are similar to those reporting limiting long-term illness in the 2001 Census, suggesting that such

figures are not prone to change in the short term.

Geo-referencing The quality of address information is excellent.

Availability of data Census statistics are published by NISRA and are available

at: https://www.nisra.gov.uk/statistics/2011-census/results

#### **Mental Health Indicator**

Description

A combined measure of five indicators:

i. Proportion of the population in receipt of prescriptions for

mood and anxiety disorders ii. Standardised suicide rate

iii. Standardised rate of mental health inpatient stays iv. Standardised mental health related benefit ratio v. Standardised proportion of people with a long term emotional, psychological or mental health condition

Type of indicator

Age and sex standardised ratio for all 5 data sources

Time period

i. 2015/16

ii. 2007 to 2016

iii. 2011/12 to 2015/16

iv. 2016 v. 2011

Data source

i. Business Services Organisation (BSO)

ii. General Register Office (GRO) iii. Department of Health (DoH)

iv. Department for Communities (DfC)

v. Census

Numerator

i. Number of people receiving a prescription relating to mood

and anxiety disorders. ii. Number of suicides

iii. Number of relevant inpatient stays

iv. Number of people on mental health related benefitsv. Number of people with an emotional, psychological or

mental health condition

Denominator

i. Expected number of people receiving a prescription

relating to mood and anxiety disorders

ii. Expected number of suicides

iii. Expected number of relevant inpatient stays

iv. Expected number of people on mental health related

benefits

v. Expected number of people with an emotional,

psychological or mental health condition

Data source of denominator

Expected numbers are calculated by applying NI-level age-

sex specific rates to small area population estimates

Key decisions on methodology

Indicator includes people in receipt of health benefits for mental health reasons and people with a long term emotional, psychological or mental health condition as

indicated in the 2011 Census.

Factor analysis is used to combine the rankings of each indicator to strengthen the measurement of mental health deprivation.

#### **Quality Assurance**

NISRA has worked closely with the data supplier to ensure an accurate description and high quality indicators.

#### Geo-referencing

- i. The quality of prescribing address information is excellent with 99.4% of records assigned to a geographical areas. Proportional apportionment was used to assign the remaining records based on the GP practice of successfully geo-coded records.
- ii. The quality of suicide address information is excellent. All records were successfully assigned to geographies and, the small number of records without spatial references were proportionally distributed.
- iii. DoH supplied counts of mental health inpatient stays by Super Output Area level; the 3.7% of data without geographical references were proportionally distributed.
- iv. Benefit address information is excellent. More than 98% of records were successfully assigned to geographies and, the small number of records without spatial references were proportionally distributed.
- v. Census address information is excellent. More than 98% of records were successfully assigned to geographies and, the small number of records without spatial references were proportionally distributed.

#### Availability of data

- i. Pharmaceutical Statistics are published by BSO at: <a href="http://www.hscbusiness.hscni.net/services/1806.htm">http://www.hscbusiness.hscni.net/services/1806.htm</a>
- ii. Suicide statistics are published by NISRA at: <a href="https://www.nisra.gov.uk/statistics/cause-death/suicide-deaths">https://www.nisra.gov.uk/statistics/cause-death/suicide-deaths</a>
- iii. Hospital activity statistics are published by DoH at: <a href="https://www.health-ni.gov.uk/topics/dhssps-statistics-and-research/hospital-activity-statistics">https://www.health-ni.gov.uk/topics/dhssps-statistics-and-research/hospital-activity-statistics</a>
- iv. Benefits Statistics are published by the Department for Communities at: <a href="https://www.communities-ni.gov.uk/articles/benefits-statistics-summary">https://www.communities-ni.gov.uk/articles/benefits-statistics-summary</a>

v. Census statistics are published by NISRA and are available at: <a href="https://www.nisra.gov.uk/statistics/2011-census/results">https://www.nisra.gov.uk/statistics/2011-census/results</a>



#### **Education, Skills and Training Deprivation Domain**

The purpose of the Education, Skills and Training Deprivation Domain is to identify the prevalence of poor educational outcomes for children and low levels of qualifications for working age adults at the small area level.

Proportions of pupils attending special schools or attending primary school with Special Educational Needs stage 3-5 (2014/15 to 2015/16, DE)

Description Proportions of pupils of primary school age attending special

schools, or attending primary schools with Special

Educational Needs stage 3-5

Type of indicator Proportion

Time period 2014/15 and 2015/16 academic years

Data source Department of Education (DE)

Numerator Number of pupils in primary schools and special schools with

Special Educational Needs stage 3, 4 or 5.

Denominator Total number of pupils in primary schools and pupils of

primary school age at special schools.

Data source of denominator

School Census, Department of Education

Key decisions on methodology

This indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, with 99.8% of

records successfully assigned to geographies. The

unassigned pupils were apportioned to a Small Area based on their school and the Small Areas where other pupils in

that school lived.

Availability of data School enrolment statistics are published by the Department

of Education at: https://www.education-

ni.gov.uk/articles/school-enrolments-school-level-data

#### Absenteeism at primary schools

(2014/15 to 2015/16, DE)

Description Proportion of total recorded absences over total possible

attendances. All absences, authorised and unauthorised, are

included.

Type of indicator Proportion

Time period 2014/15 and 2015/16 academic years

Data source School Census, Department of Education

Numerator Sum of recorded absences for all primary school pupils

Denominator Sum of possible attendances

Data source of denominator

School Census, Department of Education

Key decisions on methodology

This indicator follows the 2010 indicator closely. All absences, authorised and unauthorised, are included.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, with 99.6% of

records successfully assigned to geographies. The

unassigned pupils were apportioned to a Small Area based on their school and the Small Areas where other pupils of

that school lived.

Availability of data Pupil attendance statistics are published by the Department

of Education, and are available at: https://www.education-

ni.gov.uk/articles/pupil-attendance

Proportions of school leavers not achieving 5 or more GCSEs at A\*- C (and equivalent) incl. English and Maths

(2013/14 to 2015/16, DE)

Description Proportions of school leavers not achieving 5 or more

GCSEs at A\*- C (and equivalent) including English and

Maths

Type of indicator Proportion

Time period 2013/14 to 2015/16 academic years

Data source School Leavers Survey, Department of Education (DE)

Numerator Number of school leavers not achieving 5 or more GCSEs at

A\*-C (and equivalent) including English and Maths

Denominator Number of school leavers

Data source of denominator

School Leavers Survey, Department of Education

Key decisions on methodology

Following advice from DE this indicator has been updated from 'GCSE and equivalent point scores' in 2010 to the 'proportion of school leavers not achieving 5 or more GCSEs A \*-C (and equivalent) including English and Maths', as used

in the Programme for Government.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent. More than

99.5% of records were successfully assigned to

geographies. The unassigned pupils were apportioned to a Small Area based on their school and the Small Areas where

other pupils in that school lived.

Availability of data School leavers statistics are published by the Department of

Education, and are available at: <a href="https://www.education-">https://www.education-</a>

ni.gov.uk/articles/school-leavers

# Proportions of those leaving school ages 16, 17 and 18 and not entering Education, Employment or Training

(2013/14 to 2014/15, DE)

Description Proportions of 16, 17 and 18 year olds leaving school and

not entering Education, Employment or Training

Type of indicator Proportion

Time period 2011/12 to 2014/15 academic years

Data source School Leavers Survey, Department of Education

Numerator Number of school leavers not entering Education,

**Employment or Training** 

Denominator Total number of school leavers

Data source of denominator

School Leavers Survey, Department of Education

Key decisions on methodology

This indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent. More than

99.2% of records were successfully assigned to geographies, remaining records were proportionally

apportioned.

Availability of data School leavers' statistics are published by the Department of

Education, and are available at: https://www.education-

ni.gov.uk/articles/school-leavers.

# Proportions of 18-21 year olds not enrolled in Higher Education courses (2012/13 to 2015/16, DfE)

Description Proportion of 18-21 year olds who have not enrolled in

Higher Education courses at Higher Education or Further

**Education establishments** 

Type of indicator Proportion

Time period 2012/13 to 2015/16 academic years

Data source Higher Education Statistics Agency, Consolidated Data

Return and Further Education Statistical Record;

Department for Economy (DfE)

Numerator Number of 18-21 year olds not enrolling in Higher Education

courses at Higher Education or Further Education

establishments

Denominator Total number of 18-21 year olds

Data source of denominator

Small Area Population Estimates, NISRA

Higher Education Statistics Agency, Consolidated Data

Return and Further Education Statistical Record;

Department for Economy (DfE)

Key decisions on methodology

This indicator is similar to that used in NIMDM 2010. NI domiciled student enrolled in the UK were captured at their home address, not term-time address. Adjustments were made to the population, by moving students from their term-time address to their home address. NI-domiciled students enrolled in Higher Education courses outside the

UK have not been captured in either numerator or

denominator.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent. More than

99.8% of records were successfully assigned to

geographies. Consequently the unassigned records were

apportioned to a Small Area.

Availability of data Higher education statistics are published by the Department

for the Economy at: <a href="https://www.economy-">https://www.economy-</a>

ni.gov.uk/articles/higher-education-enrolments &

https://www.economy-ni.gov.uk/articles/further-education-

enrolments



Proportions of pupils attending special schools or who are attending post-primary schools with special educational needs stages 3-5 (2014/15 to 2015/16, DE)

Description Proportion of pupils of post-primary school age attending

special schools, or attending post-primary school with

Special Educational Needs stage 3-5

Type of indicator Proportion

Time period 2014/15 to 2015/16

Data source Department of Education

Numerator Number of pupils of post-primary school age in special

schools and pupils in post-primary schools with Special

Educational Needs stage 3, 4 or 5.

Total number of pupils in post-primary schools and pupils of Denominator

post-primary school age in special schools.

Data source of denominator

School Census, Department of Education

Key decisions on

methodology

This indicator follows the 2010 indicator closely.

**Quality Assurance** NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, with 99.6% of

> records were successfully assigned to geographies. The unassigned pupils were apportioned to a Small Area based on their school and the Small Areas where other pupils in

that school lived.

School enrolment statistics are published by the Department Availability of data

of Education at: https://www.education-

ni.gov.uk/articles/school-enrolments-school-level-data

#### Absenteeism at post-primary schools

(2014/15 to 2015/16, DE)

Description Proportion of total recorded absences over total possible

attendances.

Type of indicator Proportion

Time period 2014/15 to 2015/16

Data source School Census, Department of Education

Numerator Sum of absenteeism rates for all post-primary school pupils

Denominator Number of possible attendances for all post-primary school

pupils

Data source of denominator

School Census, Department of Education

Key decisions on

methodology

The indicator follows the 2010 indicator closely. Both authorised and unauthorised absences are included due to inconsistencies in recording of absences across schools.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, with 99.5% of

records successfully assigned to geographies. The

unassigned pupils were apportioned to a Small Area based on their school and the Small Areas where other pupils in

that school lived.

Availability of data Pupil attendance statistics are published by the Department

of Education, and are available at: <a href="https://www.education-">https://www.education-</a>

ni.gov.uk/articles/pupil-attendance

Proportions of working age adults (25-64) with no or low levels of qualification (2011, Census)

Description Proportion of working age adults (25-64) with no or low

levels of qualification.

Type of indicator Proportion

Time period 2011

Data source Census 2011, NISRA

Numerator All persons aged 25-64 with no or low levels of qualification.

Denominator All persons aged 25-64

Data source of denominator

Census 2011, NISRA

Key decisions on methodology

This indicator follows the 2010 indicator closely. The upper limit of working age has been changed from 59 to 64 to

reflect changes in pensionable age.

The indicator has been age and sex standardised.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The data were downloaded from NINIS at Small Area level

so geo-referencing was not required.

Availability of data Census statistics are available from the Northern Ireland

Neighbourhood Information Service

(<a href="http://www.ninis.nisra.gov.uk">http://www.ninis.nisra.gov.uk</a>).



#### **Access to Services Domain**

The purpose of the Access to Services Domain is to measure the extent to which people have poor physical and online access to key services at the small area level.

# Service-weighted fastest travel time by private transport (2016, Dfl)

Description	Fastest travel time I	by private t	transport to the f	followina
				0

services

A&E hospital Pharmacists Opticians (DoH) (BSO) (BSO)

Post Office GP premises Dentists (Post Office Ltd) (BSO) (BSO)

Job Centre or Jobs Financial Council Leisure and Benefits Office Services Centre (DfE) (IDBR) (DfC)

Supermarket / Food Large Service Other general Store Centre services (IDBR) (DfC) (IDBR)

Primary Schools Post-Primary Crèche/ Day (DfE) Schools Nursery

(DfE) (Family Support NI)
Libraries

Type of indicator Road travel time in minutes

(DfC)

Time period 2016

Data source Department for Infrastructure (Dfl)

Numerator N/A

Denominator N/A

Data source of N/A denominator

Key decisions on methodology

This indicator follows the 2010 indicator closely. The private transport travel time is calculated from the centroid of each postcode to the exact location of each service. For each service and statistical geography, a population-weighted average travel time is derived. To create the overall indicator, each service has been given a weight based on the number of locations, with A&E receiving a double weight.

Four new services have been added; Crèche/ Day Nurseries, Primary schools, post- primary schools and

libraries (including mobile libraries).

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data

Source data are not publicly available

# Service-weighted fastest travel time by public transport (2016, Dfl)

Description Fastest travel time by public transport to the following

services

Libraries Pharmacists Opticians (DfC) (BSO) (BSO)

Post Office GP premises Dentists (Post Office Ltd) (BSO) (BSO)

Job Centre or Jobs Financial Council Leisure and Benefits Office Services Centre (DfE) (IDBR) (DfC)

Supermarket / Food Large Service Other general Store Centre services (IDBR) (DfC) (IDBR)

Crèche/ Day Nursery

(Family Support NI)

Type of indicator Travel time in minutes

Time period 2016

Data source Department for Infrastructure (Dfl)

Numerator Not applicable

Denominator Not applicable

Data source of denominator

Not applicable

Key decisions on methodology

This is a new indicator. The public transport travel time is calculated from the centroid of each postcode to the exact location of each service. For each service and statistical geography, a population-weighted average travel time is derived. To create the overall indicator, each service has been given a weight based on the number of locations.

The same services are used as with private transport times with the exception of A&Es, schools and petrol stations.

# Living Environment Domain

The indicator is based on journeys made between 8am and 10am and includes journeys made by bus, train and ferry. It also includes a maximum 20 minute walk to the nearest bus stop or train station, as well as set walking or waiting times between buses etc.

Postcodes from which certain or all services cannot be reached within the set parameters, are given the longest public travel time of any postcode to that service, plus its private travel time.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data Source data are not publicly available.

#### Proportion of properties with broadband speed below 10mbs

(2015, Ofcom)

Description Proportion of properties with broadband speed below 10mbs

Type of indicator Proportion

Time period 2015

Data source Ofcom

Numerator Number of connections with broadband speed below 10mbs

Denominator Total number of connections

Data source of denominator

Ofcom

Key decisions on methodology

This is a new indicator.

The threshold of 10Mbit/s was set as it reflects a minimum requirement for an acceptable service for households. In areas where all connections have broadband speed above 10mbs, ranking was based on the 30mbs threshold.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Data are provided by postcode, which can be attributed to

other geographies. There were no issues.

Availability of data Broadband speed data are published by Ofcom at

https://www.ofcom.org.uk/research-and-data/multi-sector-

research/infrastructure-research/connected-nations-

2016/downloads



# **Living Environment Domain**

The purpose of the Living Environment Domain is to identify, at the small area level, the prevalence of shortcomings in the quality of housing, access to suitable housing, and the outdoor physical environment.

**Sub-Domain: Housing Quality** 

Proportion of domestic dwellings that are unfit (2016, NIHE)

Description Proportion of domestic dwellings that are unfit

Type of indicator Proportion

Time period 2016

Data source House Condition Survey, Northern Ireland Housing

Executive (NIHE)

Numerator Modelled number of domestic dwellings that are unfit

Denominator Number of domestic dwellings

Data source of denominator

f Assessment Office database, Land and Property Services

(LPS)

Key decisions on methodology

This is a new indicator, which replaced the Decent Home Standard indicator from 2010 due to data availability issues.

Northern Ireland House Condition Survey 2016 sample size is 3,000. The probability of a dwelling being unfit was

estimated as a function of the type, age and settlement type. Estimated probabilities were then applied to the housing stock in an area, creating a modelled number of unfit

dwellings.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data

Data are currently not available. NIHE will publish final

results of the Housing Conditions Survey in 2018.

### Proportion of domestic dwellings in a state of disrepair (2016, NIHE)

Description Proportion of domestic dwellings in a state of disrepair

Type of indicator Proportion

Time period 2016

Data source House Condition Survey, Northern Ireland Housing

Executive

Numerator Modelled number of domestic dwellings in a state of

disrepair

Denominator Number of domestic dwellings

Data source of Assessment Office database, Land and Property Services

denominator (LPS)

Key decisions on methodology

This is a new indicator, which replaced the Housing Health and Safety Rating System indicator from 2010 due to data

availability issues. Northern Ireland House Condition Survey

2016 sample size is 3,000.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data

Data are currently not available. NIHE will publish final

results of the Housing Conditions Survey in 2018.

# Proportion of domestic dwellings without (1) modern boiler, or (2) loft insulation and double glazing

(2016, NIHE)

Description Proportion of domestic dwellings without (1) modern boiler,

or (2) loft insulation and double glazing

Type of indicator Proportion

Time period 2016

Data source House Condition Survey, Northern Ireland Housing

Executive

Numerator Modelled number of domestic dwellings without (1) modern

boiler, or (2) loft insulation and double glazing

Denominator Number of domestic dwellings

Data source of denominator

Assessment Office database, Land and Property Services

(LPS)

Key decisions on

methodology

This is a new indicator.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data

Data are currently not available. NIHE will publish final

results of the Housing Conditions Survey in 2018.

**Sub-Domain: Housing Access** 

Household overcrowding

(2011, Census)

Description Proportion of usual residents in households with more than 1

person per room

Type of indicator Proportion

Time period 2011

Data source Census

Numerator Usual residents in households with more than 1 person per

room

Denominator All usual residents in households

Data source of denominator

Census

Key decisions on methodology

This indicator was included in NIMDM05 but dropped in

NIMDM 2010 as it was felt it was out of date.

Expert group felt that although it is from 2011 Census it is

still a good measure of current overcrowding.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information was excellent. More than

98% of records were successfully assigned to geographies, the small number of records without spatial references were

proportionally distributed.

Availability of data Census statistics are available from the Northern Ireland

Neighbourhood Information Service

(http://www.ninis.nisra.gov.uk).

### Proportion of population with disability without adaptations to dwelling (2011, Census)

Description Proportion of usual residents with long-term conditions that

live in households that are not adapted for those conditions

Type of indicator Proportion

Time period 2011

Data source Census

Numerator All usual residents with long-term conditions that live in

households that are not adapted for those conditions

All usual residents in households with long-term conditions Denominator

Data source of denominator

Census

Key decisions on

methodology

Peoples conditions were aligned to adaptations specific to

their needs.

NISRA has worked closely with the data supplier to ensure **Quality Assurance** 

an accurate description and high quality indicators.

The quality of address information is excellent -Geo-referencing

apportionment was not required.

Availability of data Census statistics are available from the Northern Ireland

Neighbourhood Information Service

(http://www.ninis.nisra.gov.uk).

#### **Sub-Domain: Outdoor Physical Environment**

## Proportion of domestic dwellings with Local Area Problem Score (2016, NIHE)

Description SOA level Local Area Problem Score, modelled from the NI

House Condition Survey 2016.

Type of indicator Proportion

Time period 2016

Data source House Condition Survey, Northern Ireland Housing

Executive

Numerator Modelled number of properties

Denominator Number of domestic dwellings

Data source of denominator

Assessment Office database, Land and Property Services

(LPS)

Key decisions on

methodology

The Local Area Problem Score results from the House Conditions Survey were modelled as a function of housing age, type and settlement band. The results of the model were applied to the Land and Property Services Assessment Office database which contained information on housing characteristics. The results were aggregated to Super

Output Area level.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data

Data are currently not available. NIHE will publish final

results of the Housing Conditions Survey in 2018.

#### Standardised rate of road defects

(2014/15 and 2015/16, Dfl)

Description Standardised rate of road defects

Type of indicator Proportion

Time period 2014/15 and 2015/16

Data source Department for Infrastructure

Numerator Observed number of defects

Denominator Expected number of defects

Data source of denominator

Department for Infrastructure

Key decisions on methodology

The rate of defects per kilometre is derived for each road type, except for motorways. These rates are applied to the length and type of roads in an area to get an expected number of defects. Roads that have not had any defects in the past two years have been excluded from the analysis.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Defects that were geo-referenced more than 5 metres from

roads were excluded.

Availability of data

Data are available on the Open Data Portal at

https://www.opendatani.gov.uk/dataset/surface-defects

### Road traffic Collisions

(2006 to 2015, PSNI)

Description The number of road traffic collisions, resulting in an injury,

which are reported to the PSNI, divided by the at-risk

population

Type of indicator Proportion

Time period 2014/15 and 2015/16

Data source Police Service for Northern Ireland

Numerator Number of Road Traffic Collisions reported to the PSNI

Denominator At risk population

Data source of denominator

Total populations are taken from Small Area Population Estimates. The non-resident workplace population is taken

from the 2011 Census.

Key decisions on methodology

This is a new indicator. Similar indicators in the other UK countries were considered. England looked only at collisions which caused injury or death to pedestrians or cyclists. Numbers in NI are small but weighting was considered and there was no significant difference to the results. Weighting the severity of injury was also investigated and again there was no significant difference. Only collisions resulting in a casualty and being reported to the PSNI are included.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There are no

issues.

Availability of data Collision data available on Open Data Portal at:

https://www.opendatani.gov.uk/dataset/police-recordedinjury-road-traffic-collision-statistics-northern-ireland-2016

## Flood Risk: Proportion of properties in flood risk area (2013, River Agency)

Description Proportion of properties in flood risk area

Type of indicator Proportion

Time period 2013

Data source Department for Infrastructure

Numerator Number of properties in a flood risk area

Denominator Total domestic properties

Data source of denominator

Land and Property Services (LPS)

Key decisions on methodology

For areas where none of the properties was in a flood risk area, rankings are based on the proximity to a flood risk

area.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing Geo-coding of location data is excellent. There were no

issues.

Availability of data

Data are available from River Agency NI at

http://www.infrastructure-ni.gov.uk/articles/what-flood-maps-

<u>ni</u>



#### **Crime and Disorder Domain**

The purpose of the Crime and Disorder Domain is to identify the rate of crime and disorder at the small area level.

**Sub-Domain: Crime** 

Rate of Violence, sexual offence, robbery and public order (2011/12 to 2015/16, PSNI)

Description Violence, robbery and public order rate.

Type of indicator Rate

Time period 2011/12 to 2015/16

Data source Police Service of Northern Ireland

Numerator Number of violence, sexual offences, robbery and public

order offences

Denominator At risk population. This consists of total population plus non-

resident workplace population.

Data source of

Total populations are taken from Small Area Population. The non-resident workplace population is taken from the 2011 denominator

Census (the most up to date data available).

Key decisions on

methodology

The indicator follows the 2010 indicator closely.

Since the NIMDM 2010, the PSNI has changed the

categorisation of crimes to align with those used in England and Wales. It is expected that the impact of this change was minimal for the purpose of the Crime and Disorder Domain.

**Quality Assurance** NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, the small

number of records without spatial references were

proportionally distributed.

Availability of data Data available from the Northern Ireland Neighbourhood

**Rate of Burglary** 

(2011/12 to 2015/16, PSNI)

Description Burglary rate. The number of burglary offences is divided by

the at-risk population.

Type of indicator Rate

Time period 2011/12 to 2015/16

Data source Police Service of Northern Ireland

Numerator Number of burglary offences

Denominator At-risk population

Data source of denominator

Total populations are taken from Small Area Population. The non-resident workplace population is taken from the 2011

Census (the most up to date data available).

Key decisions on methodology

The indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure

an accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent. More than

98% of records were successfully assigned to geographies, the small number of records without spatial references were

proportionally distributed.

Availability of data

Data available from the Northern Ireland Neighbourhood

## Rate of Vehicle Crime (2011/12 to 2015/16, PSNI)

Description Vehicle crime rate. The number of vehicle crimes is divided by

the at-risk population

Type of indicator Rate

Time period 2011/12 to 2014/15

Data source Police Service of Northern Ireland

Numerator Number of vehicle crime offences

Denominator At risk population. This consists of total population plus non-

resident workplace population.

Data source of denominator

Total populations are taken from Small Area Population Estimates 2011 to 2014. The non-resident workplace population is taken from the 2011 Census (the most up to

date data available).

Key decisions on methodology

The indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information was excellent, the small

number of records without spatial references were

proportionally distributed.

Availability of data

Data available from the Northern Ireland Neighbourhood

Information Service (<a href="http://www.ninis.nisra.gov.uk">http://www.ninis.nisra.gov.uk</a>).

### Rate of Criminal Damage and Arson

(2011/12 to 2015/16, PSNI)

Description The number of criminal damage offences and arson is divided

by the at-risk population, which is the total population plus the

non-resident workplace population.

Type of indicator Rate

Time period 2011/12 to 2015/16

Data source Police Service of Northern Ireland

Numerator Number of criminal damage and arson offences

Denominator At risk population

Data source of denominator

Total populations are taken from Small Area Population Estimates. The non-resident workplace population is taken from the 2011 Census (the most up to date data available).

Key decisions on methodology

The indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, the small

number of records without spatial references were

proportionally distributed.

Availability of data

Data available from the Northern Ireland Neighbourhood

Rate of Theft

(2011/12 to 2015/16, PSNI)

Description The number of thefts divided by the at-risk population, which

is the total population plus the non-resident workplace

population.

Type of indicator Rate

Time period 2011/12 to 2015/16

Data source Police Service of Northern Ireland

Numerator Number of thefts

Denominator At risk population

Data source of denominator

Total populations are taken from Small Area Population Estimates. The non-resident workplace population is taken from the 2011 Census (the most up to date data available).

Key decisions on methodology

The indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, the small

number of records without spatial references were

proportionally distributed.

Availability of data

Data available from the Northern Ireland Neighbourhood

**Sub-Domain: Disorder** 

#### Rate of Deliberate Primary and Secondary Fires

(2011/12 to 2015/16, NIFRS)

Description Deliberate primary and secondary fires rate

Type of indicator Rate

Time period 2011/12 to 2015/16

Data source Northern Ireland Fire and Rescue Service (NIFRS)

Numerator Number of deliberate primary and secondary fires

Denominator At risk population

Data source of

denominator

Total populations are taken from Small Area Population

Estimates.

Key decisions on

methodology

The indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, the small

number of records without spatial references were

proportionally distributed.

Availability of data Source data are not publicly available.

### Rate of Anti-Social Behaviour Incidents

(2011/12 to 2015/16, PSNI)

Description Anti-social behaviour rate. The number of anti-social

behaviour offences is divided by the at-risk population

Type of indicator Rate

Time period 2011/12 to 2015/16

Data source Police Service of Northern Ireland

Numerator Number of anti-social behaviour incidents

Denominator At risk population

Data source of denominator

Total populations are taken from Small Area Population Estimates. The non-resident workplace population is taken

from the 2011 Census.

Key decisions on methodology

The indicator follows the 2010 indicator closely.

Quality Assurance NISRA has worked closely with the data supplier to ensure an

accurate description and high quality indicators.

Geo-referencing The quality of address information is excellent, the small

number of records without spatial references were

proportionally distributed.

Availability of data

Data are available from the Northern Ireland Neighbourhood

Information Service (<a href="http://www.ninis.nisra.gov.uk">http://www.ninis.nisra.gov.uk</a>).