

Quality report for contextual information in the Well-being of Wales Report

This document provides links to where further information can be found on the quality of the non-national indicator data used in the progress reports for the 7 well-being goals in the Well-being of Wales report. The links provide details such as coverage, and strength and limitations of the data, and also the processes used to produce and publish the datasets behind the statistics quoted in the progress report.

Whilst most of the narrative in the Well-being of Wales report is drawn from national indicators, some of the contextual data is from other official statistics or other statistics and factual statements related to specific policies or programmes, where we have considered it relevant to the overall narrative.

The data not collected through official statistics sources are used in the Well-being for Wales report for context, but we cannot always provide assurance about data quality. As the data in the progress report have been sourced from a variety of datasets, the level of quality information available will differ in each case. Where the original data sources have detailed quality reports, we have provided links to those reports. Where quality reports do not exist for a source, additional information, where available, has been included in this document.

The "[Quality report for the National Indicators](#)", which can be found on the Well-being of Wales webpages, contains information about the quality of the data used for the indicators. Therefore, those data sources are not covered in this document.

[Access to Higher Education in Wales](#), Wales Institute of Social & Economic Research, Data & Methods

Please see the “Data and Methodology” section of the Access to Higher Education in Wales report for more information. These data are not published as official statistics.

Adverse Childhood Experience, Public Health Wales

[Adverse Childhood Experience Report 1](#)

The report draws from the [Welsh Adverse Childhood Experience \(ACE\) Study](#), which contains more information about the methodology in Appendix 1: Methodology. These data are not published as official statistics.

[Adverse Childhood Experience Resilience Report 1](#)

The report draws information from [Sources of resilience and their moderating relationships with harms from adverse childhood experiences](#), which contains more information about the methodology in Appendix 1: Methodology. These data are not published as official statistics.

[Arts in Wales Survey](#), Arts Council of Wales

Please see the “Research methodology” section of [Arts in Wales Survey 2015: Research Report](#) for more information on the survey methodology. These data are published as Official Statistics.

[Bathing water quality and beaches in Wales](#)

Please see the linked webpage which contains references to bathing water standards. The [Wales Bathing Reports](#) by Natural Resources Wales have more information on the quality and methodology. They can be found on the Natural Resources Wales’ [bathing water quality](#) page. These data are not published as official statistics.

[Being disabled in Britain supporting data](#), Equality and Human Rights Commission

The disability pay gap figures use the Labour Force Survey, which forms the basis of some National Indicators.

[British Bird Survey \(BBS\)](#)

Please see the British Bird Survey [Methodology and survey design](#) webpage for information on how the British Bird Survey is conducted. There is also a background and methods section in the [BBS report](#). These data are not published as official statistics.

Cancer Survival

[Cancer Survival by Stage at Diagnosis in Wales](#), Public Health Wales

Public Health Wales publish a [Quality Assurance and Supporting Information](#) report with further information on quality and methodology. These data are published as official statistics.

[Cancer Survival in Wales](#), Public Health Wales

Please see the [Quality Assurance page](#) for further information on quality and methodology. These data are published as official statistics.

[Survival of Cancer Patients in Europe The EUROCARE-5 Study](#), Istituto Superiore di Sanità

Please see the study's [Documentation on data and methods](#) for more information on the study design and data collection. These are published as part of an international study.

Changing trends in mortality, Office for National Statistics

Please see the [Health state life expectancies, UK QMI](#) for further information on quality and methodology.

[Changing trends in mortality in England and Wales: 1990 to 2017 \(Experimental Statistics\)](#)

These are experimental statistics. Please see the "Quality and methodology" section of the report for more information.

[Changing trends in mortality: a cross-UK comparison](#)

Please see the "Quality and methodology" section of the report for more information. These data are not published as official statistics.

[Changing trends in mortality: an international comparison](#)

Please see the "Quality and methodology" section of the report for more information. These data are not published as official statistics.

[Children's Omnibus Survey](#), Arts Council for Wales

Please see the "Methodology" section of the 2017 Children's Omnibus Survey for more information about the survey methodology. These data are published as official statistics.

Following a website update, please contact the Arts Council for Wales for a copy of the survey.

[Child Measurement Programme for Wales](#), Public Health Wales

The Child Measurement Programme data for Wales are published as Official Statistics. Please see the [Data Quality](#) statement for more information on quality and methodology.

[Conceptions in England and Wales](#), Office for National Statistics

Please see the [Conception Statistics QMI](#) for further information on quality and methodology. These data are published as National Statistics.

Crime in England and Wales

Statistics based on police-recorded crime do not meet the definition of National Statistics. A [full assessment report](#) can be found on the UK Statistics Authority website.

The Office for National Statistics have compiled a data quality framework to help inform users about the quality of crime statistics for different types of crime. This can be found in Chapter 5 of the [User Guide](#).

Please see the [Crime in England and Wales QMI](#) for more information on the quality and methodology.

Child module, Crime Survey for England and Wales, Office for National Statistics

The User Guide has information specific to 10-15 year old children. The ONS published a report on [Extending the British Crime Survey to children](#) which contains the original developmental and methodological work of the survey for children.

[Crime in England and Wales: Annual Trend and Demographic Tables](#), Office for National Statistics

These tables are part of "[Crime in England and Wales: year ending March 2018](#)". The Crime Statistics [User Guide](#) contains more information on the context of these statistics..

[Fear of Crime](#), Home Office

Please see the "Things you need to know" and the "Methodology" sections on the linked page for information in relation to data quality.

[Focus on Violent Crime and Sexual Offences](#), Office for National Statistics

Please see the "[Data Sources: Further Information](#)" chapter of the Focus on Violent Crime and Sexual Offences compendium for more information.

[Perceptions Other data tables](#), Crime Survey for England and Wales, Office for National Statistics

These are Crime Survey for England and Wales data, which are covered in chapter 2 of the Crime Statistics [User Guide](#). The download ZIP for the Perceptions Other tables contains a CSEW Open Table instructions document with more information on definitions.

[Personal Crime Incidence](#), *Crime Survey for England and Wales*, Office for National Statistics

These are Crime Survey for England and Wales data, which are covered in chapter 2 of the Crime Statistics [User Guide](#). The download ZIP for the Personal Crime Incidence tables contains a CSEW Open Table instructions document with more information on definitions.

Police Recorded Crime, [Open Data Tables for Hate Crime](#), Home Office

Please see the [Police Recorded Crime and Outcomes: Open Data Tables User Guide](#).

Police recorded crime, [police force area data tables](#), Office for National Statistics

These data are used as part of "[Crime in England and Wales: year ending March 2018](#)". The Crime Statistics [User Guide](#) contains more information on the context of these statistics.

[Sexual Offences in England and Wales](#), Office for National Statistics

These tables are part of "[Crime in England and Wales: year ending March 2017](#)". The Crime Statistics [User Guide](#) contains more information on the context of these statistics.

[Eco-schools programme](#), Keep Wales Tidy

The Eco-schools programme is run by Keep Wales Tidy, who provided the data on the number of schools involved from the database they use to keep records. Therefore, these data are based on an administrative source and are not published as official statistics.

We cannot provide full assurance about the quality of these data, and the data will depend entirely on the Programme's definition of schools involved. Information on what being an eco-school involves and how the different awards are assessed is available on [their website](#).

These figures can't be compared over time because the number of schools in Wales changes due to closures and openings. It could be assumed that the number of schools involved with the Programme will depend on a number of factors such as funding and capacity, and therefore, any year on year changes may not indicate anything about the success or otherwise of the programme.

[Education Development Trust, Annual Report, 2016-17](#)

These are administrative data provided by the Education Development Trust, who are a UK charity that manages the Global Learning Programme in association with other organisations. We cannot provide full assurance about the quality of these data, and the data will depend entirely on the Trust's administrative systems and their statements on the numbers of schools they are working with. It could be assumed that the number of schools involved with the Trust will depend on a number of factors such as funding and capacity and therefore any year on year changes may not indicate anything about the success or otherwise of the programme.

[Ethnic Minority Pupils](#), Welsh Government

The [Ethnic Minority Pupils: Evidence Review and Practice in Wales](#) report contains a literature review and details the sources used for its conclusions. These data are not published as official statistics.

[European Environment Agency, soil and climate change article](#)

The European Environment Agency is an agency of the European Union whose task is to provide independent information on the environment. Please see the references within the soil and climate change article for information in relation to data quality. These data are not published as official statistics.

Female Genital Mutilation (FGM), Public Health Wales

In Wales, health professionals use the All Wales Clinical Pathway – Female Genital Mutilation (FGM) when a new case of FGM is identified or suspected, in both women and girls of any age. These data are collected by all Health organisations in Wales using the FGM Health Data Collection Tool, including the NHS number to avoid duplication of reporting. Anonymised data is sent to the National Safeguarding Team (NHS Wales), Public Health Wales, on a quarterly basis for collation. The data is reviewed at the FGM Health Board/Trust Leads meeting.

It is important to note that if a patient is identified through the delivery of care from the NHS as having had FGM, this does not mean that she had FGM either recently or that the FGM was carried out in the UK. These data are not published as official statistics.

[Food Security in Wales](#), NatCen report for Foods Standards Agency

Please see the [Food and You Survey Wave 4 Technical Report](#) for further information about the survey methodology. The Food and You Survey data are published as Official Statistics.

[Health Behaviour in School Aged Children \(HBSC\)](#) / **School Health Research Network (SHRN)**

The HBSC/SHRN study is a school-based survey covering pupils in school years 7 to 11. Data was collected in 2017/18 through an online questionnaire administered in the classroom. These data are not published as official statistics.

The survey was conducted to provide data for two related needs: the international [Health Behaviour in School Aged Children](#) study organised by the World Health Organisation, and Wales based [School Health Research Network](#). More information about both can be found on their respective websites.

207 maintained schools involved in SHRN and 13 sampled independent schools were involved in data collection for the 2017/18 study. There were three versions of the questionnaire, one HBSC based and two that were some combination of HBSC questions

and other questions, which were referred to as SHRN1 and SHRN2. In 100 randomly allocated schools, 60 per cent of the pupils were randomly allocated the HBSC questionnaire. The remaining pupils in those schools and the others either received SHRN1 or SHRN2.

The school response rate was 88 per cent and was the same among the HBSC schools (88/100) and non-HBSC schools (105/120). The pupil response rate within schools was 66 per cent, leading to a combined overall response rate of 58 per cent.

Missing values were omitted. The HBSC dataset is weighted, but the SHRN1, SHRN2 and combined datasets haven't been.

Health state life expectancies, Office for National Statistics

Please see the [Health state life expectancies, UK QMI](#) for further information on quality and methodology. These are published as National Statistics.

[*Health state life expectancies by national deprivation deciles, England and Wales*](#)

Please see the "[Quality and Methodology](#)" section of the report for more information. These data are published as National Statistics.

Higher Education Statistics Agency (HESA) Student Record, 2016/17

More information is available in the HESA [Student Record quality report](#). These data are published as official statistics.

[Home ownership & renting: demographics](#), House of Commons Library

Please see the "[Measuring housing tenure and demographics](#)" section in the House of Commons Library [briefing paper](#). These data are not published as official statistics.

[Household food waste in the UK, 2015](#), WRAP

The results are generated by the WRAP [Synthesis of Food Waste Compositional Data 2014 & 2015](#) report which has a methodology section. Appendix A has further discussion on the impacts of the methodology on the figures for the home nations. These data are not published as official statistics.

[How does getting older change the way we feel about our lives?](#), Office for National Statistics

Data from the article is sourced from the Office for National Statistics "Measuring National Well-being: At what age is Personal Well-being the highest?" article, which has some notes on quality in the "Background notes" section. These data are not published as official statistics.

The data is drawn from the Annual Population Survey Personal Well-being dataset. Please see the [Personal well-being in the UK QMI](#) for further information on data quality and methodology of the data.

Immigration Statistics, Home Office

[*Asylum seekers receiving support, Home Office's Section 95 Scheme*](#)

These figures are sourced from Home Office administrative data, which are published as National Statistics. The scheme is aimed at asylum seekers whose claims are ongoing, those at risk of becoming destitute and their dependents. It's should be taken as indicative for the number of asylum seekers. Please see the User Guide to Home Office Migration Statistics for information on the quality and methodology of the Home Office data.

[*Immigration statistics table as 16q/20q*](#)

These are published as National Statistics. Please see the notes sections of the [tables](#) for information on quality and methodology.

[Infant health](#), OECD website

The OECD infant mortality figures are sourced from OECD Health Statistics 2017. The Infant Health chapter has some information on the definitions and comparability for child mortality. Please see the OECD Health Statistics Definitions, Sources and Methods report [chapter on Infant Health](#) for information on the quality and methodology on a country by country basis.

[Licensed plug-in cars, LGVs and quadricycles](#), Department for Transport

Please see the [Vehicles Statistics Guidance](#) for more information on the quality and methodology, particularly the [Vehicle Licensing Statistics: notes and definitions](#). These data are published as National Statistics.

LGBT, Stonewall Cymru

Stonewall Cymru are a LGBT charity. These data are not published as official statistics and we cannot provide assurance about the quality of survey methods employed.

[*LGBT in Wales – Hate Crime and Discrimination*](#)

The report is based on YouGov polling, on behalf of Stonewall, of 1,272 LGBT people in Wales. More information can be found in the methodology section of their [LGBT in Wales – Hate Crime and Discrimination](#) report.

[*LGBT in Wales – Work Report*](#)

The report is based on a subset of YouGov polling, on behalf of Stonewall, of 825 employed LGBT people in Wales. More information can be found in the methodology section of their [LGBT in Wales – Work](#) report.

School Report Cymru (2017)

The report is based on an online questionnaire conducted in partnership between Stonewall and the Centre for Family Research at the University of Cambridge survey. The survey covered 267 LGBT people between the ages of 11 and 19. More information can be found in the methodology section of their [School Report Cymru](#).

Local Government Candidates Survey, Welsh Government

Please see the “Methodology” section of the [Local Government Candidates Survey 2017](#) report for more information about the survey. These data are not published as official statistics.

Low Birth Weight: Review of risk factors and interventions, Public Health Wales

Please see the “Method” section of [Low Birth Weight Review of risk factors and interventions Summary Report](#) for more information. These data are not published as official statistics.

Millennium Cohort Study (MCS)

The Millennium Cohort Study follows a sample of children in the UK born at the beginning of the millennium. The [MCS page on the Centre for Longitudinal Studies website](#) has information on the survey design as well as several technical reports. These data are not published as official statistics although the MCS is a well-respected national longitudinal study.

There have been six sweeps of the study so far, the last of which took place in 2015-16 when children were around 14 years old. The previous sweeps were conducted at ages around 9 months and 3, 5, 7 and 11 years.

For Wales, the original sample had 2,760 families participating in the first sweep and 1,669 in the sixth sweep, as participants drop out from the study, which is 60.5 per cent of the original sample. The survey is weighted so that the findings are as representative of the original sample as possible.

A small number of families included twins or triplets. To avoid double counting of families, only the first-born child in each twin or triplet group has been included in the analysis.

A family’s country is the country they were living in at the start of the study. 84 families have moved away from Wales since the start of the study, but are still included in the Welsh population.

There is some missing data for particular questions. However, in the sixth sweep, the levels of missing data didn’t exceed 6 per cent for any one question, which is a relatively low rate. All percentages exclude missing data.

Modern Slavery and Human Trafficking: National Referral Mechanism Statistics Annual Report 2017, National Crime Agency

These are administrative data produced by the National Crime Agency who manage the National Referral Mechanism (NRM) for identifying victims of human trafficking or modern slavery. These data are not published as official statistics.

This report does not provide an analysis of the picture of modern slavery in the UK. It provides figures relating to the number of potential victims that have been referred in to the NRM process. There are issues in terms of comparing referrals year on year due to changes in reporting mechanisms. Increased referrals may not indicate greater incidence of modern slavery or human trafficking.

There was a change in how the data are recorded in 2017, which was probably the cause of the steep increase of referrals.

Please see the [National Crime Agency website](#) for more information about the National Referral Mechanism and how referrals are made to the National Crime Agency.

National Bat Monitoring Programme, Bat Conservation Trust

These data are published as official statistics. The beginning of the [National Bat Monitoring Programme Annual Report](#) has information on the quality, methodology and survey design.

Personal well-being in the UK, Office for National Statistics

Please see the [Personal well-being in the UK QMI](#) for further information on data quality and methodology of the survey. These data are published as National Statistics.

Programme for International Student Assessment (PISA), OECD

These data are an international series of statistics. The PISA 2015 Assessment and Analytical Framework contains an overview of PISA's assessments and definitions.

[Achievement of 15-Year-Olds in Wales: PISA 2015 National Report](#)

Please see chapter 1 of [Achievement of 15-Year-Olds in Wales: PISA 2015 National Report](#) for information on the sampling in Wales, and the appendixes of that report for more information on quality and methodology.

[PISA 2015 Results \(Volume III\): Students' Well-being](#)

Please see [Annex A: PISA 2015 Technical Background](#) for more information on methodology.

Sexual Orientation, Welsh Government

These are experimental statistics. More information about where these statistics come from is available in the "Quality and Methodology" section of the [Office for National Statistics Sexual Orientation statistical bulletin](#).

[Sports and Active Lifestyles, Sports Wales](#)

The Sports and Active Lifestyles surveys are now based on data from the National Survey for Wales. Please see the [National Survey technical report](#) and quality report for more information on the survey methodology and data quality. These data are published as official statistics.

[State of Natural Resources Report \(SoNaRR\) 2016, Natural Resources Wales](#)

The State of Natural Resources Report is created by Natural Resources Wales. These data are not published as official statistics. However Natural Resources Wales assign each piece of information a confidence assessment, which is recorded in [an annex](#). The ratings are High (H), Medium (M) and Low (L). The methodology for assigning confidence assessments is explained in [another annex](#).

More information on the data behind the statements in Chapter 3 is available in the [Chapter 3 Technical Annex](#).

The confidence assessments for the data used in the Well-being report are:

Total carbon in soil	Chapter 3, page 24	Medium
Eco-system resilience	Chapter 4, page 23	Medium

[Suicide in England and Wales, 2015 registrations \(User Requested Data\), Office for National Statistics](#)

The “Notes and Terms and Conditions” sheet of the data workbook has a collection of links to quality information about the data. The “Suicide Definition” sheet information on the definition of suicide used. These data are not published as official statistics.

[The 2014 Review of Designated Landscapes in Wales, Natural Resources Wales](#)

These are not published as official statistics. National Parks and Areas of Outstanding Natural Beauty are designated areas with known coverage.

[The effect of schools on school leavers’ university participation, Journal of School Effectiveness and Improvement](#)

The referenced article appeared in a peer-reviewed journal and contains information on the data and methodology used.

[The Welsh Tax Base: Risks and Opportunities after Fiscal Devolution, Welsh Centre for Public Policy](#)

The report analyses the Labour Force Survey between 2014 and 2017 to draw its conclusions on commuters. These data are not published as official statistics. More

information on the analysis is not given. However quality information for the Labour Force Survey is available on the Office for National Statistics [website](#), as well as a [user guide](#).

[Transport Statistics Great Britain](#), Department for Transport

Information about the transport statistics can be found on their [guidance page](#). The out-commuting statistics are sourced from the Labour Force Survey. Quality information for the Labour Force Survey is available on the Office for National Statistics [website](#), as well as a [user guide](#). These data are published as National Statistics.

[UNESCO World Heritage List](#), UNESCO

These data are not published as official statistics. The information in the report is based on the number of sites being given World Heritage status and the criteria and process for a site being given World Heritage status are [detailed on the UNESCO website](#). There is also a [section](#) explaining the List of World Heritage in Danger.

[Vaccine update in children in Wales](#), Public Health Wales

Vaccination uptake data are provided by the Public Health Wales national COVER scheme. These data are not published as official statistics. This surveillance scheme, which is run by the Public Health Wales Vaccine Preventable Disease Programme (VPDP) and Communicable Disease Surveillance Centre (CDSC), calculates vaccine coverage using data from National Community Child Health Database (NCCHD). The NCCHD is maintained by NHS Wales Information Service (NWIS) and is comprised of extracted records of all health board Child Health office database across Wales. The NCCHD is refreshed on a quarterly basis.

The denominator of uptake calculations used in the annual COVER report is the number of children registered with Child Health offices who reached key measurement birthdays during the April to March year and were living and resident in Welsh health boards as at the end of this period. Children are deemed to be vaccinated by a measurement age if they have a documented vaccination date in their child health record, which is before the relevant birthday.

Data quality within the NCCHD may diminish for older children who receive less frequent contact from health care professionals, and whose child health records may be updated less frequently.

[Wales and the World](#), Learned Society of Wales

The Wales and World report was put together by the Learned Society of Wales expressly to highlight the extent of Wales's international academic and research connections. The figures in it are drawn from other sources. These data are not published as official statistics.

The QS World University Rankings were previously known as the Times Higher Education – QS World Rankings. These data are not published as official statistics. The QS website sets out a very brief overview of the rankings design in their [methodology](#) page.

The Research Excellence Framework (REF) statistics are sourced from REF 2014. Information about REF can be found on the [background page](#) of their website. Documents about the assessment framework and information on the working methods for making those assessments can be found on their [guidance page](#).

[Wealth in Great Britain](#), Office for National Statistics

Please see the “[Wealth Assets QMI](#)” for more information about the survey. These data are published as National Statistics.

[Welsh Health Survey trends 2003-04 to 2015](#), Welsh Government

Please see the [Welsh Health Survey technical report](#) and [Welsh Health Survey quality report](#) for further information on quality and methodology. These data are published as National Statistics.

[Welsh Oral Health Information Unit](#), Cardiff University

The data is drawn from [Dental Epidemiological Survey of 12 Year Olds 2016-17](#). These data are not published as official statistics. More information about the methodology can be found in the [Protocol report](#) available from the linked website. Information on 5 year olds comes from the [Picture of Oral Health in 2017: Dental caries in 5 year olds \(2015-16\)](#) and there is a separate [Protocol report](#) available.

[Youth Justice annual statistics](#), Ministry of Justice

The [Youth Justice Statistics](#) has quality information in the “Things you need to know” section and annexes. The separate [Guide to Youth Justice Statistics](#) contains information on the sources and data quality for all the data used in the report. These data are published as National Statistics.

Knowledge and Analytical Services, Welsh Government

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