

# 2011 Census Prospectus

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March 2012

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This prospectus sets out the release plans for the 2011 Census statistics. It describes the statistics that the Office for National Statistics (ONS) will be releasing, and lays out when ONS intends to publish them. It will answer questions from both novice users and experienced analysts.

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## **The 2011 Census prospectus**

This prospectus sets out the release plans for the 2011 Census statistics. It describes the statistics that the Office for National Statistics (ONS) will be releasing, and lays out when ONS intends to publish them. It will answer questions from both novice users and experienced analysts.

ONS will be releasing statistics about the population in England and Wales. Because of the breadth and depth of census data, the 2011 Census statistics are being released in stages.

### **Rest of the UK**

Simultaneous but separate censuses took place in Scotland, run by National Records of Scotland (NRS), and Northern Ireland, run by Northern Ireland Statistics and Research Agency (NISRA). NRS's and NISRA's prospectuses are available via their respective websites.

ONS is also responsible for the publication of UK statistics (compiling comparable statistics from the UK statistical agencies above). The prospectus will also cover the publication, analysis and dissemination of UK statistics.

### **What the statistics will show**

Questionnaires were received back from households in spring 2011, containing information about the population such as household types, demographic characteristics, and qualifications. The 2011 Census statistics will provide a detailed snapshot of the population of England, and of Wales, and through comparison will reveal changes in society since the last census in 2001.

### **Keep me informed of prospectus updates**

The prospectus is dynamic and ONS will be updating its content as more information becomes available - sign up for prospectus email alerts.

### **Contact us**

For general information about the 2011 Census, sign up to receive Census News Alerts via [censusnewsalert@ons.gsi.gov.uk](mailto:censusnewsalert@ons.gsi.gov.uk)

For any queries regarding the 2011 Census, please contact Census Customer Services.

## Release plans for 2011 Census statistics

Due to the breadth and depth of the 2011 Census results, the statistics on the main resident population base (usual residents) will be released in four stages. An overview of the content of each release, and their phased geography, is available to download from this page.

### **First release: 16 July 2012**

Age and sex, and occupied households estimates for England and for Wales

### **Second release: November 2012 – February 2013**

Key and Quick statistics

### **Third release: March 2013 – June 2013**

Local Characteristics

### **Fourth release: July 2013 – October 2013**

Detailed Characteristics, Theme and Armed Forces

Statistical commentary will appear alongside every major release of 2011 Census statistics. This will provide description and context around each topic, provide comparability to the 2001 Census outputs, and highlight further sources of information where applicable. A statistical bulletin will accompany each stage of release of 2011 Census statistics.

2011 Census statistics will be accompanied by appropriate reference material to ensure that terms and concepts are defined and data are placed in context.

Changes in the population will also be shown through ONS data visualisations. Visualisation provides an easily accessible way to identify key changes and compare results across geography and/or through time.

Other statistics, for example specialist products and statistics on alternative population bases, will be released subsequently. In time, more detailed products will be available under special agreement (for example microdata samples and flow-data). Access arrangements and agreements will be published as soon as they are available.

The planned tables may be subject to redesign before release, as a result of the application of statistical disclosure control.

## First release of 2011 Census statistics

The first release of statistics from the 2011 Census will be on 16 July 2012. The statistics, accompanied by a statistical bulletin, will be made available via the ONS website. The statistics will include the following elements:

- usually resident census population estimates for England and for Wales, and for England and Wales, at single year of age, and sex
- usually resident census population estimates for England and for Wales at regional level, and local authority level, by five year age bands and sex
- estimates of occupied households for England and for Wales at country, regional and local authority level

ONS will provide an animated visualisation to look at the population results alongside the first release of 2011 Census statistics. The population pyramid will allow users to browse statistics, comparing age and sex distributions across England and across Wales, and to compare two areas simultaneously.

Population pyramids will be available for England and Wales combined, England and Wales separately, and sub-national layers. Users will be able to interactively explore the size and structure of each area, actively interrogating age bands, track change from 2001 and export images for incorporation in analysis.

A population and household estimates statistical bulletin will accompany the first release of 2011 Census statistics. This will highlight any key changes from 2001, for example changes in fertility and mortality rates, and changes in the population structure (in terms of ages).

## **Local authority quality assurance information**

Information used to quality assure the 2011 Census results at local authority level will accompany the first release of 2011 Census statistics. This information, for every local authority in England and in Wales, will contain the elements below.

### **2011 Census population estimates**

- Estimates by five year age band and sex, against comparator data
- 2011 Census response rates
- Census confidence intervals around each age and sex estimate
- Estimates of short-term migrants by sex

### **2011 Census household estimates**

- Estimates of occupied households
- Total number of residential addresses from the address register

### **Summaries of the components used in estimating local authority populations**

- The usual resident population counted according to the 2011 Census returned questionnaires
- 2011 Census population estimates after coverage assessment and adjustment
- Smaller components, such as adjustments for people in communal establishments and adjustments for overcount

A series of reports underpinning local authority quality assurance information will accompany the first release of 2011 Census statistics. The reports will provide an overview of the methodology for producing the census population estimates. They will give detail on the different components of the estimation process, and explain how some population groups were quality assured such as students and the armed forces.

## Second release of 2011 Census statistics

### Key and univariate statistics

The second release of 2011 Census statistics will take place between November 2012 and February 2013. Quick and Key Statistics will be released in three phases, according to geography.

### Phases of geography

The first phase of this release will include data for output areas, lower layer super output areas and middle layer super output areas. The statistics will also be available for regions, unitary and local authorities and at country level. Postcode estimates by sex and household will also be released.

The second phase will be at ward level.

The third phase will be at the remaining geographies. This includes parishes (England) and communities (Wales), parliamentary and National Assembly for Wales constituencies, health areas, postcode sectors, and national parks.

Each of the phases will be released via the ONS website. The [Neighbourhood Statistics](#) website will also release 2011 Census statistics at output area and administrative geographical hierarchies (Ward, Parish and Westminster Parliamentary Constituencies).

The planned tables may be subject to redesign before release, as a result of the application of statistical disclosure control.

For the proposed content of the second release, download the “2011 Census Prospectus: Tables and schedule”. Examples of tables include:

- Usual resident population
- Age structure
- Living arrangements
- Marital and civil partnership status
- Country of birth
- Ethnic group
- Religion
- Health and provision of unpaid care
- Economic activity
- Hours worked
- Main language
- Passports held
- Household language
- National identity
- Length of residency in the UK

ONS [consulted extensively](#) with census users about requirements for the output of census statistics and consequently the vast majority of 2001 Census outputs will be repeated in 2011. This is for comparability and continuity purposes, and takes account of user satisfaction with the design of the 2001 statistics.



The statistics in the second release will correspond to the 2001 Census key statistics tables produced for univariate information (counts and as percentages), univariate tables and headcounts.

The second release will also include postcode estimates (numbers of people by sex in each postcode), and estimates of occupied households in each postcode will be produced.

Table layouts for the second release are being refined. This page will be updated when they are published.

## Third release of 2011 Census statistics

### Multivariate statistics

The third release of 2011 Census statistics will take place between March and June 2013. Local Characteristics tables will be released in three phases, according to geography.

### Phases of geography

The first phase will be Local Characteristics tables for output areas, as well as lower and middle layer super output areas. This phase will also release statistics for Wales and for England, the regions, unitary and local authorities, and England and Wales.

The second phase will be for wards.

The third phase will be for the remaining geographies. This includes parishes (England) and communities (Wales), parliamentary and National Assembly for Wales constituencies, and health areas.

Each of the phases will be released via the ONS website and the [Nomis website](#).

The planned tables may be subject to redesign before release, as a result of the application of statistical disclosure control.

For the proposed content of the third release, download the “2011 Census Prospectus: Tables and schedule”. Examples of tables include:

Age by sex and resident type

Sex and age by ethnic group

Sex and age by economic activity

Sex and age by general health and provision of unpaid care

Country of birth by age and sex

Sex and occupation by age

Dwelling type and accommodation type by household space type

The release will support the output area hierarchy and wards, and statistics will also be available at unitary and local authority level, regional, national and health areas.

Due to statistical disclosure control, some tables which were planned for the third release of 2011 Census statistics have been moved up a geographic level. To see a full list of the tables that have changed geography, download “Changes to tables since 2011 output consultation”.

The statistics in the third release will generally correspond to the 2001 Census Area Statistics tables.

Table layouts for the third release are being refined. This page will be updated when they are published.

## **Fourth release of 2011 Census statistics**

### **Further multivariate statistics**

Detailed Characteristics statistics will be released between July and October 2013. For the proposed content of the fourth release, download “2011 Census Prospectus: Tables and schedule”.

The statistics will be made available for higher level geographies including middle layer super output areas, wards, unitary and local authorities, regions, country, health areas, and national parks. However, they cannot be produced for output areas or lower layer super output areas.

These will be released via the ONS website and the [Nomis website](#).

The statistics in the fourth release will correspond to the 2001 Census standard tables, standard and CAS theme tables and armed forces tables.

Table layouts for the fourth release are being refined. This page will be updated when they are published.

## **Subsequent releases of 2011 Census specialist products**

A series of further releases, subsequent to the four main releases of 2011 Census statistics, are being developed. For proposed content of subsequent releases, download the 2011 Census Prospectus: Tables and schedule.

The statistics under consideration include migration tables, workplace tables, detailed religion and ethnic group tables, and statistics relating to alternative population bases (depending on data quality). These releases will be available on the ONS website.

## **Small population groups**

A suite of products designed around small population groups has been identified for possible inclusion in the 2011 Census outputs. This suite aims to explore the characteristics of some small population groups, for example the Ravidassian and Nepalese communities, in more detail for areas where they exceed population thresholds.

These innovations will provide information on the existence, size and location of minority groups in England and Wales, and demonstrate ONS's commitment to maximising utility of census data for the widest number of users, in addition to commitment to the equality agenda and diversity awareness.

Thresholds have been set. Tables for a small population will only be produced if there are 50 or more qualifying people in the given middle layer super output area geography. Separate sets of outputs are being developed for areas where there are 100 or more, and 200 or more, people from the same small population group.

Populations being considered are drawn from the very detailed write-in responses on the questionnaire to ethnicity, religion and country of birth.

(The second release of 2011 Census statistics will include estimates of all ethnic and religious groups to whom ONS has assigned a code, down to the lowest level of census geography. The 2011 Census-specific classification listings will be published in November 2012.)

## Microdata

ONS is aware of the importance to users of samples of anonymised records (SARs) and is confident that fit-for-purpose, appropriately accessible UK microdata files will be made available in 2013.

Three levels of microdata are planned for 2011 Census:

**Public use file** The release of this non-disclosive, individual-level file is in line with the government transparency agenda, and ONS plans for this to be available for download from the ONS website. It will be less detailed than the file made available under end-user licence in 2001.

**Safeguarded file(s)** One type of safeguarded file will be at the individual person level, and it is intended that this will be made available to users via their desktops (precise details of the conditions are being finalised). The file is likely to contain a similar level of detail to the 2001 small area microdata, and the individual level SAR.

ONS also intends to release household hierarchical data containing records for all individuals, within a sample of households. All files will be subject to being able to apply sufficient disclosure control.

**VML files** These anonymised but identifiable data will be held in a secure environment and will be generally similar to the 2001 Controlled Access Microdata Sample (CAMS), both household and individual, and are likely to contain a sample size of between three and five per cent.

To see the planned microdata product table, download proposed 2011 microdata products.

Under current plans, the 2011 Census microdata files will be made available during 2013.

Planned features include microdata sets with sample sizes larger than previous censuses, the opportunity for exploratory analysis on rich and flexible datasets, the opportunity to test outputs before requesting commissioned tables, and the ability to perform multivariate statistical analysis, all using records that are comparable with the standard census outputs, since they have the same source.

## Flow data

Flow data (formerly origin-destination statistics) will be available, comprising the travel-to-work and migration patterns of individuals on a day-to-day basis, cross-tabulated by variables of interest (for example occupation).

Statistical disclosure control indicates that all population estimates, including small estimates, will be permitted in principle. However, ONS has an obligation to protect individual attributes and may revise table designs if they are deemed disclosive on completion.

Some cross tabulations (for small geographies) will only be available under special agreement within a secure environment in ONS's Virtual Microdata Laboratory. [More about VML](#)

A workplace zone geography will be created, and population flows from output areas of residence to workplace zones are planned.

The UK Statistical Disclosure Control working group agreed that the protection of the most detailed flow-data tables will come from the licensing/access conditions. This is a change from the 2001 Census, where the protection for similar outputs came from the post-tabular small cell adjustment which still allowed wide and easy access, but also adversely affected the utility of the outputs.

## Alternative population bases

Five alternative population bases are under consideration. These estimates will be assessed prior to release and, depending on the quality, only limited outputs may be available, such as age by sex.

**Out-of-term:** the population estimate for a given geography, including students placed at their non-term-time address.

**Majority-of-time:** the population estimate for a given geography, to place individuals in the household where they reside for most of the time, for example, second residences used for work purposes.

**Short-term migrant:** the population estimate for short-term migrants residing in a given geography.

**Workplace:** the population estimate for a given geography during standard working hours (taking account of the number of people who, for example, travel into a city to work. Effectively, this is a geographic redistribution of the usually resident population who are in work, allocated to their place of work.

**Workday:** the workplace population estimate plus those who are also usually resident in the area but not working. This base will be produced for the usually resident population (those who are resident or intending to be resident in the UK for 12 months or more). To produce the workday population, all other respondents who do not have a job the week before census day are allocated to the area where they usually live, and students are allocated to their term-time address.

Users have suggested univariate variables that they would like to see for both workplace and workday population estimates on both output area and workplace zone geographies, including age, National Statistics Socio-economic Classification (NS-SEC), social grade, and distance travelled (as for workplace statistics in 2001), plus industry; occupation; sex; qualifications; tenure; cars or vans; ethnic group; religion, and language. Demand has also been expressed for look-up tables that relate output areas to workplace zones.



## **Provision of 2011 Census statistics in Welsh**

Selected results from the 2011 Census will be made available in Welsh as well as in English. ONS has worked with the Welsh Government in order to fulfil the requirements of the Welsh Language Act for the first release of census statistics.

A Welsh language statistical bulletin will accompany 2011 Census statistics that relate to Wales, for the first release. A historical data visualisation that accompanies the first release of census statistics will be provided in Welsh, as well as English.

### **Products relating to Wales only**

The 2011 Census statistics will contain tables which relate to Wales only. These will all be published in Welsh and English. To see the list of products, download "2011 Census Prospectus: Additional products for Wales only".

## UK population estimates

The first release of census results for the United Kingdom will take place in December 2012. An outline of broad timelines for the subsequent UK releases will be published via this prospectus and specific dates will be notified, as they become available.

The Office for National Statistics (ONS) is responsible for disseminating 2011 Census statistics for England and Wales, and for the UK.

[National Records of Scotland](#) (NRS) is responsible for disseminating 2011 Census statistics for Scotland.

[Northern Ireland Statistics and Research Agency](#) (NISRA) is responsible for disseminating 2011 Census statistics for Northern Ireland.

The UK population estimates will be collated by ONS. The first release of UK population estimates will cover the UK and individual country estimates by five-year age bands. Subsequent releases will include single year of age estimates for UK and the individual countries, plus five-year age bands for regional and local authority areas across the UK.

The UK population estimates will be compiled by ONS and will be supported by a statistical bulletin, and related commentary. This will present a comprehensive package around the statistics.

## **2011 Census reporting and analysis**

A rolling programme of analysis will be undertaken by ONS. A series of short stories on some of the key topics will be published on the ONS website following the second release of 2011 Census statistics. The analyses produced will supplement the tables. The topics that will be detailed within these short stories are:

- families
- internal and international migration
- religion
- ethnicity and national identity
- language
- travel to work
- health
- older workers
- characteristics of older people

More detailed analyses of these key (and other) topics will follow from spring 2013. The schedule of analysis is set to include reports and data visualisations looking at, for example, migrants, children and young people, the caring community and communal establishments.

The analyses will initially be produced for England and Wales and may be subsequently be updated to include all of the UK after the data become available.

## Commissioned tables

### England and Wales

ONS will continue to provide a commissioned table service for census statistics.

Commissioned tables (from the 2011 Census) can be pre-ordered from [Census Customer Services](#). Commissioned tables will be constrained by the data that are available at each stage, by the similarity to what ONS plans to release, and by statistical disclosure control.

The [price list for commissioned tables](#) in England and Wales has now been published. Four price bands have been identified to give customers a guide of how much their commissioned table will cost. However the customer services team will agree the final cost with the customer prior to any work commencing. Prices are effective from 1 June 2012.

All commissioned tables will be published on the ONS website as explorable and downloadable datasets for all statistics users under the Open Government License.

### UK

ONS will also be the provider for UK commissioned tables. UK tables can be ordered after all the census offices have released their 2011 statistics.

[National Records of Scotland](#) (NRS) is responsible for disseminating 2011 Census statistics for Scotland.

[Northern Ireland Statistics and Research Agency](#) (NISRA) is responsible for disseminating 2011 Census statistics for Northern Ireland.

## **New developments for 2011 Census results**

Extensive consultation was undertaken around the design and development of the 2011 Census questionnaire, the operation of the census and the statistical output.

### **Wider choice, greater detail**

As a result, the census product base has been widened, providing better access to census data, meeting the needs of more users and mining census data more effectively, while following open data principles and the Code of Practice for Official Statistics.

Advances in statistical disclosure control methodology mean that the census tables will be additive and consistent down to the lowest geographies, a big improvement on 2001.

Ethnic group, religion and country of birth estimates will be more detailed than ever before.

### **New products**

More than 100 new outputs for 2011 Census have been designed. Some are for new questions, such as main language, passports held and national identity, others reflect user-identified gaps in 2001 products. For more information about the questionnaire, [download final questionnaire content](#) for England and Wales.

New statistical products have been developed, representing international innovation and enhancing ONS's reputation, as well as providing value for money and more effective use of census data. These include products for small population groups and alternative population bases, as well as more accessible microdata products, including public use samples of anonymised records.

### **The importance of comparability**

The 2011 Census outputs will reflect a decade of societal change. Comparability has been retained with 2001 statistics where possible, as this was a key design principle in the development of the questionnaire and the processing of the statistics. It was also a strong message from users gathered during the output consultation. Read more about how the [consultation process](#) helped ONS to define the statistical output from the census.

### **Enhanced data access**

ONS is developing its website to accommodate users' needs for accessible, online statistics for use and exploration. ONS's statistics will be open for direct access for third parties to power their own websites and applications, via an Application Programming Interface. The capability of the ONS website is being built to be consistent with open data standards.

### **Harmonisation**

An increased volume of UK harmonised tables will be made available for 2011 Census outputs. The UK statistical agencies (ONS, NISRA and NRS) have an agreed aim of providing a single point of access for UK harmonised outputs.

**Pre-tabular statistical disclosure control**

The methodology for protecting individuals and their attributes in the statistics (statistical disclosure control) is a pre-tabular method, that is, it will be applied before tables are created. This means that ones and twos will be visible in the outputs, and results will be additive within tables and consistent across tables.

## **Data access and dissemination**

The 2011 Census statistics will be released via the Office for National Statistics (ONS) website which is currently being developed to provide access to high volumes of large datasets. Users will be able to find and select 2011 Census outputs, and choose to download or view the statistics online. Supporting reference materials will accompany the statistics.

2011 Census statistics will also be available from the [Neighbourhood Statistics](#) (NeSS) website and the [Nomis website](#).

The ONS website will feature all statistics and tables, commissioned tables, metadata, look-up files, a definitions glossary, commentary, statistical bulletins, data visualisations, maps and charts, geography products and the Application Programming Interface.

NeSS will also host Quick and Key Statistics, metadata, data visualisation and maps.

Nomis will also host Quick and Key Statistics and multivariate tables, metadata, data visualisation and maps.

Bulk data can be requested from [Census Customer Services](#).

### **Enhancing access to ONS data**

Many other organisations have systems that provide census data to their users and this widens access and helps increase the value derived from the information collected by the 2011 Census. ONS is currently developing an Application Programming Interface which will provide machine to machine access to census data for other web systems. In time, the Application Programming Interface will also provide access to a wider range of ONS information. More information is available from: [onsapi@ons.gsi.gov.uk](mailto:onsapi@ons.gsi.gov.uk).

## **Virtual Microdata Laboratory**

ONS hosts a Virtual Microdata Laboratory (VML) through which researchers and other parties can access census microdata files. These are samples of anonymised but detailed data from the census, which researchers can use to perform statistical analyses. [Read more about VML](#)

The Statistics and Registration Service Act 2007 gives ONS legal authority to release these data to Approved Researchers. In order to become an Approved Researcher, individuals must submit a formal application. Outputs from the VML are assessed for disclosure risk by ONS specialist staff, prior to being sent to the researcher.

## **Bulk data**

The main statistics from the 2011 Census will be published in sets of tables. Users that require all the tables in a given set will be able to request these from [Census Customer Services](#). Sets will be supplied from the time of each release in an electronic media such as a portable hard drive or DVD. Bulk data can be pre-ordered from Census Customer Services.

Bulk data will come in a standard format: Statistical Data and Metadata eXchange (SDMX-ML). This is an emerging statistical data exchange format that meets international standards.

Datasets available in standard bulk format will generally contain data only for output areas, lower and middle layer super output areas, wards, local authorities, unitary authorities, counties, national parks, regions, and countries. Bulk data for other geographies can be commissioned from Census Customer Services. Learn more about [commissioning tables](#).



## **Statistical disclosure control**

A great strength of census data is the level of detail that they allow, while protecting the confidentiality of the individual, which has always been paramount. In order to ensure confidentiality for 2011, statistical disclosure control (protecting the attributes of an individual) will be applied.

ONS plans to use two complementary strategies for protecting individuals while minimising damage to the results: targeted record swapping, and restriction of detail particularly at low level geographies.

The population and household thresholds for output areas are expected to remain the same as 2001.

More on the [statistical disclosure policy](#) for the 2011 Census can be downloaded.

## **Developments in statistical disclosure control since 2001**

The methods for statistical disclosure control in 2011 have changed significantly from the methods used in 2001. ONS plans to undertake all elements of statistical disclosure control prior to the preparation of the 2011 Census statistics tables. Since record swapping takes place early on in the data compilation process, all estimates in output tables will be consistent.

Unlike 2001, ONS plans to make no small cell adjustment in 2011. A user will be able to see ones and twos as estimates in the statistics in 2011, but these individuals will not be identifiable.

## Targeted record swapping

Statistical disclosure control is primarily undertaken to protect against individuals discovering respondent's characteristics or attributes, like whether a person has a long-term health problem or disability. To do this, a proportion of records are swapped.

ONS uses visible variables, and combinations of variables, to search for all rare or unique records which, if left in the statistics, could be used to identify and then find out something new about an individual or household within an area. An example of a visible variable is ethnic group. If an individual or household has a unique or rare characteristic it might be possible to look at a variety of statistics for the output area and deduce other characteristics about the household or its inhabitants.

To protect against this, ONS searches for rare and unique records by person and then by household. When these are found entire household records may be swapped with a similar household between output areas in the middle layer super output area, or a neighbouring local authority. The households swapped will have similar characteristics, including household size. In this way the characteristics of records, that might otherwise be identifiable, will be protected.

The total population (numbers of individuals and numbers of households) will be unaffected. Even though outputs may show an individual with rare or unique characteristics, record swapping protects data prior to output production.

The number of records swapped from an output area directly relates to the level of local response to the 2011 Census. Where the response rate is higher, greater protection is needed for unique and rare households. Where the response rate is lower, a greater level of protection will already be supplied by the presence of imputed records (therefore the swap rate is lower). The population size of the output area, and the number of households within the area, will always remain the same while the attributable characteristics of households in the output area (though usually not in the local authority) may be different than those actually resident on 27 March 2011, and so there will always be an element of uncertainty.

Communal establishment statistics are also protected by statistical disclosure control. However, the targeted record swapping is of individuals between establishments (in a middle layer super output area or higher geography), rather than swapping entire establishments.

In order to maintain the necessary level of confidentiality protection, the number of records swapped in any given area will not be published.

This methodology for protecting individuals is consistent across the UK statistical offices. It will therefore enable more robust comparisons of areas within the UK than in 2001. The statistical disclosure control policy has been developed in consultation with census data users and has been ratified by the National Statistician and the Registrars General for Northern Ireland and Scotland.

## **Restriction of detail at low level geographies for statistical disclosure control**

The 2011 Census provides rich detailed statistics at many levels of geography. However, the depth of detail (that is, the number of potentially attributable characteristics) supplied at output area level will understandably be lower than at higher geographical area levels in order to protect individuals and households. This restriction on the level of detail of output variables is the second part of the statistical disclosure control strategy (with targeted record swapping being the first).

All statistics, including Quick Statistics (formerly univariate tables), will be subject to review prior to their release. ONS reserves the right to amend any of the proposed tables at any stage of the 2011 Census statistics releases due to, for example, statistical disclosure control or data quality concerns.

## **Flow data and statistical disclosure control**

The 2011 Census will provide sophisticated flow data statistics (formerly called origin-destination statistics).

This information can be very detailed and undertaking record swapping on these data may be damaging to their utility. Therefore, to maximise the use of these statistics and protect confidentiality, these data will be provided in ONS's Virtual Microdata Laboratory (VML), a secure setting with access conditions.

[More about VML](#)

## **2011 Census geography**

ONS has kept the 2011 Census output geography as stable as possible. It is estimated that no more than 5 per cent of the output areas and super output areas that were created from the 2001 Census will need to be modified.

Estimates for output geographies will be best-fitted from output area to the output geography as was current on 31 December 2011.

The geography policy for the 2011 Census is in line with the [geography policy for National Statistics](#). This sets out best practice for using geographic information to produce national statistics that are accurate, consistent and comparable.

The geography policy adopted for the 2011 Census statistics has been subject to extensive public consultation and has been ratified by the ONS Statistical Policy Committee.

## **2011 Census Geography Prospectus**

A 2011 Census Geography prospectus will be published online on 31st May 2012. It will set out the release plans for the 2011 Census geography reference data, and provide some background about how the reference data are produced and how they should be used. These reference data include digital boundaries for the modified set of output areas, super output areas, and the new workplace zones, and a number of supporting lookup files to enable linkage between the 2001 and 2011 output areas, and from the 2011 output areas to the 2011 Census output geographies.

## **Output areas**

Maintaining stability as far as possible is key for the 2011 Census. Some modification of the previous output areas and super output areas has taken place where significant population size changes have occurred since 2001.

However, the total changes across the output area hierarchy are estimated to be no more than 5 per cent overall.

Significant points of interest for the 2011 Census are that output areas and super output areas will align to local authority boundaries, including those that changed between 2003 and 2001, and will properly align at the border between Scotland and England.

Furthermore, the boundaries will be available clipped to the coastline, for mapping, as well as to the Extent of the Realm, for geographic information systems and analysis. All output areas and super output areas will have different nine character codes, in line with all [statistical geographies](#) provided by ONS.

An upper super output area layer will not be created as part of the 2011 Census output area hierarchy.

Boundaries will remain freely available, subject to their approval as Open Data. The boundaries will be published with the second release of 2011 Census statistics.

## **Workplace zones**

A new output geography, workplace zones, is being produced from 2011 Census data. These zones are more suitable for disseminating workplace-based statistics and outputs.

Output areas were originally created for the analysis of population statistics using residential population and household data. As a result, they are of limited use for workplace statistics as there is no consistency in the number of workers or businesses contained within an output area.

Workplace zones will be created by splitting and merging the 2011 output areas to produce a workplace geography that contains consistent numbers of workers. The workplace zones will therefore align to the existing output area hierarchy.

Workplace zones will be constrained to middle layer super output areas to provide consistency between the output area and workplace zone geographies, and to allow comparison of the 2001 and 2011 Census workplace outputs at the middle layer super output area.

Workplace zones outputs will be produced for England and Wales.

## **Exact-fit and best-fit estimates**

Statistical tables and outputs from the 2011 Census will be exact-fit estimates for the following geographies:

output areas, 2011

lower layer super output areas, 2011

middle layer super output areas, 2011

local authorities, including local authority districts and unitary authorities counties, current on 31 December 2011

national parks, current on 31 December 2011

Estimates for all other geographies above output area will be best-fitted from geographies current on 31 December 2011, in line with the geography policy for National Statistics.

Best-fitting from output areas helps ensure that census statistics are non-disclosive, and consistent with all national statistics produced using the best-fitting method.

[More about exact-fit and best-fit methods.](#)



## **Estimates for areas with small populations**

The best-fitting policy ensures that an area with a very small population of under 100 persons or 40 households will be allocated to the output area it falls in, and will therefore always have a population at or above the minimum threshold required. This means that the estimates for some parishes and wards which fall under this minimum threshold will be the same as the output area in which they fall.

In 2001, some parishes and wards were merged with their neighbour(s) in order to reach the minimum population needed to publish estimates. These were known as CAS wards or CAS parishes as they had to reach the threshold required for Census Area Statistics (CAS) tables. There will be no equivalent in 2011 of the 2001 CAS wards or 2001 CAS parishes, as the policy to best-fit from output areas makes this unnecessary.

The more detailed census tables (Detailed Characteristics and Themes) have a higher minimum population threshold (equivalent to Standard Tables (ST) in 2001). Wards that fall below this higher minimum population threshold will be merged with a neighbouring ward, so that estimates can be released for the merged ward, best-fitted from output area. These merged wards will be the equivalent of the ST wards in 2001, although due to the changes to wards that have happened since 2001, the geographies will be very different.

## **National parks**

2011 Census statistics will be exact-fitted to National Parks boundaries, as was the case in 2001.

Best-fitting to the largely rural national parks shows a difference between exact-fit and best-fit estimates (particularly in The Broads Authority and Pembrokeshire Coast National Park). Best-fit estimates would not be fit for purpose in this case. More about [best-fitting](#).

## **Modifications of output areas**

Changes in output area and super output area boundaries for the 2011 Census have taken place when:

- significant population change has occurred since the 2001 Census
- local authority boundaries have changed between 2003 and 2011
- output area boundaries have been realigned to the England/Scotland border, as should have happened for 2001
- areas have been independently assessed as lacking social homogeneity when they were created for 2001

When output area and super output areas are redesigned they will:

- not align to ward and parish boundaries that have changed since 2003
- not necessarily align to real-world features
- contain more than 100 persons and 40 households, even if they contain one or more communal establishments

ONS will provide a number of geography reference data products for electronic download, alongside the relevant stage of 2011 Census statistics release. These include:

- digital boundaries of the modified output areas, lower layer super output areas, super output areas, and the new workplace zones
- look-ups between the 2001 and 2011 output areas, where they have changed
- look-ups between output areas, postcodes and a number of census output geographies

### **Thresholds used in modification**

ONS runs a process to automatically modify those output areas and super output areas whose 2011 Census populations have significantly grown or declined since 2001. If output areas have breached a specified upper population threshold (their populations have become too large), they will be split into two or more output areas using postcodes as building blocks.

Where output areas or super output areas have breached a specified lower population threshold (their population has become too small and is therefore potentially disclosive) they will be merged with an adjacent output area or super output area.

Using splits and mergers of the existing output areas and super output area hierarchy, rather than a total redesign, allows better linkage and comparison between statistics output in the 2001 and 2011 Censuses.

Merges will be applied where:

- an output area population falls below 100 people or 40 households
- a lower layer super output area population falls below 1,000 people or 400 households
- a middle layer super output area population falls below 5,000 people or 2,000 households

Splits will be applied where:

- an output area population exceeds 625 people or 250 households

- a lower layer super output area population exceeds 3,000 people or 1,200 households

- a middle layer super output area population exceeds 15,000 people or 6,000 households

There may be exceptions where an area that is above the population threshold cannot be split.

Where splits occur, building blocks of postcodes will be used to create two or more new output areas (constrained to the boundary of the original output areas from which they were created). The use of building blocks (postcodes) is consistent with the methodology applied in 2001, and allows the production of postcode to output area look-ups.

## Revisions and updates

In line with ONS's [revisions and corrections policy](#), rigorous quality checks will take place of all census statistics which are released. ONS may occasionally need to revise statistics and update information.

### Change notifications

In this event, users will be informed via Census News Alerts (register via [census.customerservices@ons.gsi.gov.uk](mailto:census.customerservices@ons.gsi.gov.uk)). Updates to data will be provided to the [Neighbourhood Statistics](#) (NeSS) website and the [Nomis website](#) teams.

The change log lists the changes which have **already** been made to tables between the outputs consultations and the publication of this prospectus.

The updates register will record any revisions to this prospectus.

### Additional information

Comments or queries about the data should be sent to [Census Customer Services](#).

## **Prospectus updates register**

This prospectus is part of the process of developing and releasing the 2011 Census statistics. Amendments to the prospectus will be published as and when changes are made. However, the prospectus update register (available to download from this page) will allow users to keep track of developments.

## **Log of changes to tables since 2011 outputs consultation**

For a log of the changes which have already been made to tables - since consultation and prior to the prospectus being published - download [Changes to tables since 2011 outputs consultation](#).

Two key amendments have been made to protect the confidentiality of individuals:

1. '75 and over' age band removed: The age band '75 and over' has been removed from all 2011 Census labour market tables at output area. The age band is being removed (not the data). These outputs will be produced for all people 16+, however, there will not be direct comparability with 2001 as 75+ will not be a distinct age band. The information for this age band will be available at middle layer super output area and will be comparable with 2001.
2. No theme tables for output areas: There will be no theme tables available for output areas in 2011. Instead, equivalent theme tables will be produced at middle layer super output area, or the information will be added into existing theme tables.

## **Key changes to the 2011 Census outputs policy**

There are some key changes to census outputs between 2011 and 2001:

The 2011 Census defines working age as between 16 to 64 for both men and women. The definition of pensionable age now refers to men and women aged 65 and over.

Aside from the standard classifications, other classifications are developed or updated for use in a census, and then subsequently adopted for use in other surveys and elsewhere. The 2011 Census-specific classification listings will be published in November 2012.

A comparability paper between the 2011 and 2001 censuses will be published in the summer of 2012. In the meantime, you can read about the differences between the questionnaires.

A new naming convention has been applied for the 2011 Census statistics.

2011 Census product titles have been updated.

## **Pensionable age**

The 2011 Census defines working age as between 16 to 64 for both men and women. The definition of pensionable age now refers to men and women aged 65 and over. Alternate measures of pensionable age will not be provided in the first four main stages of releasing 2011 Census statistics.

Some of the 2011 Census tables – based on those from 2001 – have been redesigned as a result of changes to pensionable age. Information will be provided in the metadata.

Users who require alternative definitions of pensionable age can request these through the commissioned table service. Requests for commissioned tables from the 2011 Census will be constrained by the statistics already released, the similarity to the statistics planned, the availability of the data, statistical disclosure control and resource availability. Commissioned tables can be pre-ordered from [Census Customer Services](#).



## **Classification listings**

The census uses a range of standard and other classifications to code response data. These classifications are used to assign numerical codes to each response given, whether a tick box or a written answer, to facilitate data analysis and output production.

The Standard Classifications are those that ONS develops and maintains for use in the census, social surveys and across Government. These include the Standard Occupation Classification (current version is SOC2010) and the Standard Industry Classification (current version is SIC2009). [Standard classifications](#) are currently available online, including standard industrial 2007 and standard occupational 2010.

In addition to this, other classifications are developed or updated for use in a census, and then subsequently adopted for use in other surveys and elsewhere. The census specific classification listings will be published on the ONS website alongside the second release of 2011 Census statistics.

The classification listings will cover ethnic group, religion, main language, country (used for country of birth and address variables), national identity, passport held, language, occupation and industry.

## **Differences between 2001 and 2011 questionnaires**

Census questionnaires evolve over time to reflect a changing society. The 2011 Census had 56 questions: 14 about the household and its accommodation, and 42 for each member of the household. An extra question was asked of people living in Wales, about the Welsh language.

New questions were researched and developed in consultation with users and the statistical agencies in Wales, Scotland and Northern Ireland, and with organisations who use census statistics.

### **New questions in the 2011 Census were:**

- Number of bedrooms
- Type of central heating
- Second residence
- Main language and English language proficiency
- Month / year of entry into the UK
- Intended length of stay in the UK
- Passports held
- National identity

### **The questions which were removed in the 2011 Census included:**

- Professional qualifications
- Use of amenities (bath, shower, toilet)
- Number of employees at workplace

Questions were included after passing stringent selection criteria. To see the recommended questionnaire content, download the [“Final questionnaire content for England and Wales”](#).

Some changes were made in the response categories including marital status (which now includes civil partnerships), general health, qualifications, ethnic group and hours worked. These will be described in a paper detailing the comparability between the 2001 and 2011 Censuses that will be published in summer 2012.

## **Naming conventions for 2011 Census statistics**

As part of the [main consultation on statistical outputs](#), users expressed support for a revised naming convention. A more user-friendly and accessible naming scheme is also in line with United Kingdom Statistical Authority requirements.

Having considered the naming conventions applied by international statistical offices including New Zealand, Canada, Australia and the Netherlands, as well as carrying out extensive discussion within ONS, and across Wales, Scotland and Northern Ireland, the convention below is recommended for the 2011 Census Outputs on the usually resident population.

**Key Statistics** KS (as before)

**Quick Statistics** QS (formerly univariate UV)

**Lower Threshold Statistics**

**Local Characteristics** LC (formerly census area statistics CAS)

**Upper Threshold Statistics**

**Detailed Characteristics** DC (formerly standard tables S)

**Themes** T (formerly standard and CAS theme tables T, CAST)

Under current plans, Armed Forces and Migration tables will keep their current names, while Postcode Headcounts will be known as Postcode Estimates for 2011. Workplace tables may see a name change depending on whether Workday tables will also be produced, as it will be important to distinguish the two population bases.

Lower and Upper Threshold are terms used by ONS Geography that correspond to output area and lower layer super output area thresholds. Statistics that are available for lower thresholds will also be available for higher thresholds – the reverse does not apply. For Upper Threshold Statistics the minimum population threshold is 1,000 persons and 400 households, however 2011 Census Upper Threshold Statistics will only be released down to the middle layer super output area geography, which has a minimum of 5,000 people or 2,000 households.

Comments and suggestions around the naming convention can be sent to:

[censusoutputconsultation@ons.gsi.gov.uk](mailto:censusoutputconsultation@ons.gsi.gov.uk)

## 2011 Census product titles

### Products for lower threshold statistics

Quick Statistics, Key Statistics and Local Characteristics will all be available at the lower threshold of 2011 Census geography, output area.

**Quick Statistics (formerly univariate):** Tables which fall under the Quick Statistics banner contain statistics which refer to one variable and its response categories from a census question and are available for the output area and higher geographies. An example is the number of people who report Very Good, Good, Fair, Bad and Very Bad health status, reported by output area. Quick Statistics tables will form the majority of the statistics released between November 2012 and February 2013.

**Key statistics:** Tables which come under the Key Statistics banner provide information derived from more than one variable on the census questionnaire, and allow comparison across different areas. An example of a Key Statistics table is hours worked (reporting how many hours people age 16 and over normally work in their main job a week). Key Statistics are available at output area level and the majority of Key Statistics tables from the 2011 Census will be released between November 2012 and February 2013.

**Local characteristics (formerly CAS):** Tables which come under the Local Characteristics banner are all produced for output areas and higher geographies. These tables provide the most detailed results possible for output areas, and contain two or more variables such as sex and occupation by age. These tables will be released between March and June 2013.

### Products for upper threshold statistics

Upper threshold statistics from 2011 Census will be available for the middle layer super output area level of geography and above, and there are two products, Detailed Characteristics and Themes.

**Detailed characteristics (formerly Standard):** Tables which fall under the Detailed Characteristics banner have a minimum population threshold of 5,000 persons and 2,000 households. Similarly to Local Characteristics tables, these contain two or more census variables, such as age and sex, but provide considerably more detail than their local equivalents, as the larger population means disclosure risk is lower. An example of a detailed characteristic table is sex and age and economic activity by religion.

**Themes:** Theme tables bring together a range of results on a single variable, such as ethnic group.

**Postcode estimates tables** present the number of males, the number of females and the number of occupied households per postcode.

## Methods and reference material

ONS developed a [methodological strategy](#) to ensure the census results provide accurate population estimates.

The strategy encompassed the census coverage survey and comprehensive quality assurance. The objective was to identify and adjust for the number of people and households not counted in the 2011 Census, counted twice in the census, or counted in the wrong location.

## **2011 Census methodology**

### **Address register and fieldwork**

The first step for the 2011 Census was to develop an address register which underpinned the field operation, including the distribution, [collection and tracking of questionnaires](#).

The [fieldwork](#) was achieved by using a flexibly deployed team of around 30,000 collectors who only visited households that had not returned a questionnaire by 6 April 2011, and special enumerators who delivered and collected questionnaires from communal establishments.

### **Census Coverage Survey**

An independent [census coverage survey](#) (CCS) took place in May 2011 (covering a sample of postcodes from across every local authority). This was designed to estimate the number and characteristics of the people and households missed in the 2011 Census. Over 300,000 households were included in the sample.

The records from the census coverage survey were matched against those from the census, and using statistical techniques an estimate was made of those missed by both the census and the census coverage survey. This information is then used to estimate the number and characteristics of the people missed across each local authority.

### **Quality assurance**

The final part of the process is quality assurance of the estimates. A new approach within the [quality assurance strategy](#) for 2011 is to use local sources of knowledge prior to the publication of estimates, to understand discrepancies that may be found in the data. Local authority quality assurance information will be included in the first release of census statistics.

As part of the quality assurance review process local, and cumulative, pictures across the country are challenged and endorsed by a series of quality assurance panels.

An [independent review](#) of the quality assurance process took place in 2011. The review team stated that “the methods give confidence that the resulting final census population estimates will be better than any other method and will be suitable for use in resource allocation and planning.”

## **Evaluation of the 2011 Census operations**

An extensive process of evaluation is taking place about the 2011 Census, examining its component parts and the way they worked together. Evaluation reports are being released from late spring 2012.

The evaluation reports will include:

- Parliamentary and legislation
- Address register
- Local authority engagement
- Online census
- Marketing, advertising and media
- 2011 Census in Wales
- Community engagement
- Census coverage survey
- Field operation
- Accessibility

A general report on the 2011 Census will be released by 2014. This will review the entire census operation from early consultation and planning stages, through to output production and dissemination.

## **About the 2011 Census**

The 2011 Census took place on 27 March 2011. All households in England and Wales were issued with a questionnaire. Questionnaires were received back from households in spring 2011. The 2011 Census was designed to collect statistics about, for example, households, health, migration, length of stay (year of entry to UK), ethnic groups and national identity, religion, qualifications, employment, transport and visitors.

The data to produce the 2011 Census statistics are still being processed, undergoing cleaning, validation and statistical estimation processes to provide the robust statistics that users expect. The 2011 Census fieldwork in England and Wales was successful and ONS is confident that it has reached the 94 per cent national response rate target for England and Wales overall, and over 80 per cent response from every local authority.

The 2011 Census statistics will provide a detailed snapshot of the population of England, and of Wales, and through comparison will reveal changes in society since the last census in 2001. The information is used extensively across a number of different sectors to support the development of policy, planning and delivery of services.

### **Additional information**

ONS is currently evaluating the 2011 Census. A series of evaluation reports will be published during 2012.

Read more about the [design and operation](#) of the 2011 Census.

The census Privacy Impact Assessment was published in November 2009, the census Independent Information Assurance Review first phase was published in February 2011. Read more about ONS's [commitment to confidentiality](#).



## Downloads from the website:

### [2011 Census Prospectus tables and schedule](#)

The following content sets out the publishing schedule for the 2011 Census statistics, and details of the tables in each stage of release.

## Publishing schedule

### 2011 Census statistics publishing schedule

[Back to introduction page](#)

	July 2012 first release	Nov 2012 - Feb 2013 second release phases			March 2013 - June 2013 third release phases			July 2013 - Oct 2013 fourth release
		1	2	3	1	2	3	
<b>geography</b>								
England and Wales	single year of age and sex	KS and QS			LC			DC, T and AF
England	single year of age and sex	KS and QS			LC			DC, T and AF
Wales	single year of age and sex	KS and QS			LC			DC, T and AF
regions	5-yr age bands and sex and household estimates	KS and QS			LC			DC, T and AF
unitary / local authority	5-yr age bands and sex and household estimates	KS and QS			LC			DC, T and AF
middle layer super output area		KS and QS			LC			DC and T
lower layer super output area		KS and QS			LC			DC and T
output area		KS and QS			LC			DC and T
wards			KS and QS			LC		DC and T
health areas				KS and QS			LC	DC and T
national parks				KS				DC and T
parishes/communities				KS and QS			LC	DC and T
parl. constituencies				KS and QS			LC	
postcode sectors				KS				
Welsh Gov. electoral areas				KS and QS				
<b>total of tables being released</b>		KS - 36 tables QS - 67 tables			LC - 98 tables			DC - 155 T - 35 AF - 4

## Contents of first release

	England and Wales	England	Wales	Regions	Local authorities
single year of age	M/F	M/F	M/F	-	- (usually resident estimates)
5-yr age bands	M/F	M/F	M/F	M/F	M/F
household estimate	✓	✓	✓	✓	✓

## **Contents of second release**

### **Key Statistics table titles**

Usual resident population  
Age structure  
Living arrangements  
Marital and civil partnership status  
Country of birth  
Ethnic group  
Religion  
Health and provision of unpaid care  
Economic activity  
Economic activity – Males  
Economic activity – Females  
Hours worked  
Industry of employment  
Industry of employment – Males  
Industry of employment – Females  
Occupation groups  
Occupation groups – Males  
Occupation groups – Females  
Qualifications and students  
NS-SeC  
NS-SeC – Males  
NS-SeC – Females  
Household spaces and accommodation type  
Cars or vans  
Tenure and landlord  
Household composition  
Households with adults not in employment, dependent children and persons with long-term health problem or disability  
Lone parent households with dependent children  
Communal establishment residents  
Knowledge of Welsh  
Main language  
Passports held  
Household language  
Ethnic National Identity  
National identity  
Welsh language profile

### **Quick Statistics table titles**

Length of residency in the UK  
Household lifestage  
Economic activity of Household Reference Persons (HRPs)  
Adult lifestage  
Year of arrival in UK  
Age of arrival in UK  
Number of bedrooms  
Occupancy rating (bedrooms)  
Count of qualifications  
Visitors  
Proficiency in English  
Total population  
Population density  
Sex  
Age  
Schoolchildren and full-time students living away from home during term-time

Families with dependent children  
Marital and civil partnership status  
Country of birth (write-in)  
Ethnic (write-in) groups (England and Wales)  
Knowledge of Welsh  
Religion  
General health  
Provision of unpaid care  
Long-term health problem or disability  
Qualifications (England and Wales)  
Year last worked  
Economic activity  
Economic activity - full-time students  
Occupation  
National Statistics Socio-economic Classification (NS-SeC)  
NS-SeC of Household Reference Person (HRP) (People under age 65)  
NS-SeC of Household Reference Person (All people) (HRP)  
Industry  
Method of travel to work - resident population  
Hours worked  
Accommodation type (People)  
Tenure (People)  
Tenure of people aged 65 and over  
Household composition (People)  
Household composition (People) (Alternative classification)  
People aged 18-64 in single adult households  
Approximated social grade  
Number of people living in households  
Housing stock  
Dwellings  
Accommodation type (Households)  
Number of rooms  
Persons per room (Households)  
Occupancy rating (rooms)  
Central heating  
Cars or vans  
Tenure (Households)  
Household composition (Households)  
Household composition (Households) (Alternative classification)  
Households by deprivation dimensions  
Household type  
Multiple ethnic groups  
Communal establishments (England and Wales)  
Communal establishment residents  
All people in communal establishments (England, Wales and Scotland)  
Armed Forces  
Living arrangements  
Persons per room (Household Residents)  
Welsh language skills  
Residents in households by NS-SeC of Household Reference Person (HRP) (HRP aged under 65)  
Living in a same-sex couple

## Contents of third release

### **Local Characteristics table titles**

Age by sex and resident type

Age by sex and marital and civil partnership status

Age of household reference person (HRP) by sex and marital and civil partnership status (Headship)

Age by sex and living arrangements

Age of Household Reference Person (HRP) by sex and living arrangements

Age of Family Reference Person (FRP) and number and age of dependent children by family type

Family composition by age of Family Reference Person (FRP)

Schoolchildren and students in full-time education living away from home in term-time by age

Age of Household Reference Person (HRP) and tenure by economic activity of HRP

Age and dependent children by household types (adults)

Country of birth by age and sex

Sex and age by general health and long-term health problem or disability (households)

Tenure and age by general health and long-term health problem or disability

Sex and central heating by general health and long-term health problem or disability

General health and long-term health problem or disability and occupancy rating (rooms) by age

Economic activity and age by sex and long-term health problem or disability

Sex and number of cars or vans in household by general health and long-term health problem or disability

Age and general health by NS-SeC

Age and long-term health problem or disability by NS-SeC

Sex and age by general health and provision of unpaid care

Sex and economic activity by general health and provision of unpaid care

Households with a person with a long-term health problem or disability and their age by number of carers in household and economic activity

Sex and age by economic activity

Sex and age by hours worked

Sex and age and economic activity by living arrangements

Family composition and age and number of dependent children by economic activity

Sex and age and highest level of qualification by economic activity

Sex and occupation by age

Former occupation by age

Sex and age and occupation by employment status and hours worked

Sex and industry by age

Former industry by age

Sex and industry by employment status and hours worked

Occupation by industry

Sex and occupation by hours worked

Economic activity and time since last worked by age

Sex and NS-SeC by age

Sex and NS-SeC by economic activity

NS-SeC of Household Reference Person (HRP) by household composition

NS-SeC of Household Reference Person (HRP) by age of HRP

NS-SeC of Household Reference Person (HRP) by tenure

NS-SeC by tenure

Dwelling type and accommodation type by household space type

Dwelling type and accommodation type by tenure (households and dwellings)

Dwelling type and accommodation type by tenure (people)

Tenure and household size by number of rooms

Tenure and persons per room by accommodation type

Household composition by tenure and occupancy rating (rooms)

Shared or unshared dwelling and central heating and occupancy rating (rooms) by age

Dwelling type and accommodation type and central heating by tenure

Tenure and central heating by household composition

Accommodation type by number of cars or vans by number of people aged 17 or over in the household

Tenure and car or van availability by number of people aged 17 or over in the household  
 Tenure and car or van availability by economic activity  
 Household composition by number of cars or vans  
 Economic activity and age of full-time students by household type  
 Households with full-time students away from home and age of student by number of students  
 Sex and approximated social grade by age  
 Age of Household Reference Person (HRP) and dependent children by approximated social grade  
 Age and dependent children by household type (Household Reference Persons)  
 Sex and age by religion  
 Age by highest level of qualification  
 Occupation by highest level of qualification  
 NS-SeC by highest level of qualification  
 Number of employed people and method of travel to work by number of cars or vans in household  
 Sex and age by method of travel to work  
 Sex and distance travelled to work by method of travel to work  
 Type of Communal establishment by resident type and sex  
 Sex and age by knowledge of Welsh  
 Type of Communal establishment by knowledge of Welsh  
 Sex and age by ability to speak Welsh  
 Type of Communal establishment by ability to speak Welsh  
 Household composition by age of Household Reference Person (HRP) by method of census return  
 Tenure by number of cars or vans by approximated social grade  
 Households with persons who have a long-term health problem or disability by general health of carer  
 Welsh-speaking ability of children age 3 to 4 only, couple household types only  
 Ability to speak Welsh by ethnic national identity  
 Ability to speak Welsh by national identity  
 Proficiency in English by age of arrival in the UK  
 Sex by age by ethnic groups of Household Reference Person  
 Tenure by number of cars or vans by religion (people in households)  
 Accommodation type by household size by number of bedrooms  
 Age by number of bedrooms  
 Economic activity by number of cars and vans  
 Employment status by number of cars and vans  
 General health of carers by economic activity of carers in household  
 Provision of care by dependent children in households by family status  
 Occupation by economic activity  
 Economic activity of household reference person (HRP) by number of cars and vans  
 Household composition by people in household with long-term health problem or disability  
 Tenure by number of bedrooms by general health  
 Household composition by number of bedrooms  
 General health and long-term health problem or disability and occupancy rating (bedrooms) by age  
 Household composition by tenure and occupancy rating (bedrooms)  
 Shared or unshared dwelling and central heating and occupancy rating (bedrooms) by age  
 Sex and number of cars or vans in household by age and long-term health problem or disability  
 Tenure and household size by number of bedrooms  
 Tenure and persons per bedroom by accommodation type

## Contents of fourth release

### **Armed forces table titles**

Residents in employment in Armed Forces  
Household Reference Persons (HRPs) in Armed Forces and associated persons  
Economic activity of associated people resident in households with Armed Forces personnel  
UK and Foreign Armed Forces by residence and workplace

### **Detailed characteristics table titles**

Family type by Welsh language; families; adults; children  
Sex by age and ability in Welsh  
Number of Welsh speakers by household size  
Family type by Welsh speakers by ability to speak Welsh and age  
Extended Welsh household composition by ability to speak Welsh and age  
Extended Welsh household composition by Welsh speaking adults by age of youngest dependent child  
Household Reference Person's (HRP's) NS-SeC and HRP's approximated social grade by dependent children speaking Welsh by  
National identity by sex, age and ability to speak Welsh  
Tenure and number of cars or vans by ethnic group (people in households)  
Tenure by household size by number of bedrooms  
Household size by central heating by number of bedrooms  
Accommodation type by number of bedrooms and ages of children  
Number of bedrooms and ages of children by tenure  
Ethnic group by general health of carers by provision of care  
Sex and age by long-term health problem or disability by provision of unpaid care  
Age of arrival in UK by ethnic group  
Age of arrival in UK by country of birth  
Proficiency in English by industry by economic activity by hours worked  
Household composition by number of households  
People by age of household reference person (HRP) by dependent children in households by household composition  
Approximated social grade by passports held  
Sex by age by highest level of qualification by economic activity of full-time students  
Sex by age by highest level of qualification by economic activity of full-time students  
Shared-unshared dwelling and central heating and occupancy rating (bedrooms) by ethnic group  
Shared or unshared dwelling, central heating, occupancy rating (bedrooms) by ethnic group of HRP  
Shared\_unshared dwelling and central heating and occupancy rating (bedrooms) by religion of HRP  
Shared/unshared dwelling and central heating and occupancy rating (bedrooms) by religion  
Age by sex and living arrangements (All people in communal establishments)  
Tenure and household size by number of bedrooms  
Tenure and persons per bedroom by accommodation type  
Household composition by tenure and occupancy rating (bedrooms)  
Shared or unshared dwelling and central heating and occupancy rating (bedrooms) by age  
Age disparity of couples  
Sex and age by main language  
General health and long-term health problem or disability and occupancy rating (bedrooms) by age  
Age by sex and type of resident  
Age by sex and marital and civil partnership status  
Age of Household Reference person (HRP) by sex and marital status  
Age by Sex and Living Arrangements (All people in households)  
Age of Household Reference Person (HRP) by sex and living arrangements  
Age of Family Reference Person (FRP) and age of dependent children by family type  
Age of Family Reference Person (FRP) and number and age of dependent children by family type  
Family composition by age of Family Reference Person (FRP)  
Schoolchildren and students in full-time education living away from home in term-time by age  
Age of Household Reference Person (HRP) and tenure by economic activity of HRP

Age and dependent children by household type (adults)  
 Country of birth by sex and age  
 Sex and age by general health and long-term health problem or disability (households)  
 Tenure and age by general health and long-term health problem or disability  
 Sex and central heating by general health and long-term health problem or disability  
 General health and long-term health problem or disability and occupancy rating (rooms) by age  
 Economic activity and hours worked by sex and long-term health problem or disability  
 Sex and number of cars or vans in household by general health and long-term health problem or disability  
 Sex and age and general health by NS-SeC  
 Sex and age and long-term health problem or disability by NS-SeC  
 Sex and age by general health and provision of unpaid care  
 Sex and economic activity by general health and provision of unpaid care  
 Households with person with long-term health problem or disability and age by carers and economic activity  
 Sex and age by economic activity  
 Sex and age by employment last week and hours worked  
 Sex and economic activity by living arrangements  
 Family composition and number of dependent children by sex and economic activity  
 Sex and Age and Highest Level of Qualifications by Economic Activity  
 Sex and occupation by age  
 Sex and former occupation by age  
 Sex and occupation by employment status and hours worked  
 Sex and industry by age  
 Sex and former industry by age  
 Sex and industry by employment status and hours worked  
 Occupation by industry  
 Sex and occupation by hours worked  
 Sex and economic activity and year last worked by age  
 Sex and NS-SeC by age  
 Sex and NS-SeC by economic activity  
 Sex and NS-SeC of Household Reference Person (HRP) by household composition  
 Sex and NS-SeC of Household Reference Person (HRP) by age (of HRP)  
 Sex and NS-SeC of Household Reference Person (HRP) by tenure  
 NS-SeC by tenure  
 Dwelling type and accommodation type by household space type  
 Dwelling type and accommodation by tenure (households and dwellings)  
 Dwelling type and accommodation type by tenure  
 Tenure and household size by number of rooms  
 Tenure and persons per room by accommodation type  
 Household composition by tenure and occupancy rating  
 Shared-unshared dwelling and central heating and occupancy rating by age  
 Dwelling type and accommodation type and central heating by tenure  
 Tenure and central heating by household composition  
 Tenure by household composition  
 Accommodation type and car or van availability by number of people aged 17 or over in the household  
 Tenure and car or van availability by number of people aged 17 or over in the household  
 Tenure and car or van availability by economic activity  
 Household composition by number of cars or vans available  
 Economic activity and age of full-time students by household type and tenure  
 NS-SeC of HRP by households with full-time students away from home and age of student  
 Sex and age by general health and long-term health problem or disability (communal establishments)  
 Sex and approximated social grade by age  
 Age of Household Reference Person (HRP) and dependent children by approximated social grade  
 Age of Household Reference Person (HRP) and dependent children by household type  
 Sex and age by ethnic group  
 Sex and country of birth by ethnic group  
 Ethnic group by religion  
 Sex and age by highest level of qualification  
 Household composition by ethnic group of Household Reference Person (HRP)

Sex and age and long-term health problem or disability and general health by ethnic group  
 Sex and age and economic activity by ethnic group  
 Sex and occupation by ethnic group  
 Sex and industry by ethnic group  
 Tenure and number of cars or vans by ethnic group of Household Reference Person (HRP)  
 Sex and NS-SeC by ethnic group  
 Sex and occupation by highest level of qualification  
 Sex and NS-SeC by highest level of qualification  
 Count of qualifications by sex  
 Age and highest level of qualification by ethnic group  
 Number of employed people and method of travel to work by number of cars or vans in household  
 Sex and age by method of travel to work  
 Sex and NS-SeC by method of travel to work  
 Shared-unshared dwelling and central heating and occupancy rating (rooms) by ethnic group  
 Shared or unshared dwelling, central heating, occupancy rating (rooms) by ethnic group of HRP  
 Sex and type of Communal establishment by resident type and ethnic group  
 Type of Communal establishment and sex by resident type and age  
 Type of Communal establishment by resident type and whether or not resident one year ago  
 Residents (non-staff) in Communal establishments (CE), sex, long-term health problem, type of CE by age  
 Sex and age by country of birth and knowledge of Welsh  
 Age of Household Reference Person (HRP) and tenure by knowledge of Welsh of Household Reference Person (HRP)  
 Sex and age and long-term health problem or disability and general health by knowledge of Welsh  
 Sex and occupation by knowledge of Welsh  
 Welsh speakers and economic activity and year last worked by age  
 Sex and industry by knowledge of Welsh  
 Sex and NS-SeC by knowledge of Welsh  
 Age and highest level of qualification by knowledge of Welsh  
 Children speaking Welsh in Welsh speaking households  
 Welsh speaking adults in households by age of youngest dependent child  
 Type of Communal establishment by knowledge of Welsh  
 Age of Household Reference Person (HRP) and tenure by ability to speak Welsh of HRP  
 Type of Communal establishment by ability to speak Welsh  
 Sex and age by religion  
 Sex and country of birth by religion  
 Household composition by religion of Household Reference Person (HRP)  
 Sex and age and long-term health problem or disability and general health by religion  
 Sex and age and economic activity by religion  
 Sex and occupation by religion  
 Sex and industry by religion  
 Tenure and number of cars or vans by religion of Household Reference Person (HRP)  
 Sex and NS-SeC by religion  
 Age and highest level of qualification by religion  
 Shared or unshared dwelling and central heating and occupancy rating (rooms) by religion  
 Shared\_unshared dwelling and central heating and occupancy rating (rooms) by religion of HRP  
 Sex and type of Communal establishment by resident type and religion  
 Ethnic national identity by age and sex  
 Ethnic national identity and religion  
 Sex by age by ability to speak English  
 National Identity and Ethnicity  
 National Identity and religion  
 Sex by age by national identity

### **Theme tables**

Theme table on equality  
 Theme table on main language  
 Theme table on households with Welsh speakers



Theme table on persons in households with Welsh speakers  
Theme table on persons in households who speak Welsh  
Theme table on people who stay at other addresses for more than 30 days a year  
Theme table on all households  
Theme table on length of residency in UK  
Theme table on health and long-term health problem or disability  
Theme table on tenure  
Theme table on country of birth  
Theme table on country of birth of household reference persons (HRPs)  
Theme table on ethnic group of household reference persons (all people in households)  
Theme table on year of arrival in UK  
Theme table on main language\_Wales  
Theme table on household lifestage  
Theme table on adult lifestage  
Theme table on ethnic group (of Household Reference Person) - households  
Theme table on religion of Household Reference Person (HRP)  
Theme table on all dependent children  
Theme table on full-time students and schoolchildren  
Theme table on people aged 16 to 29 years  
Theme table on people aged 30 to 49 years  
Theme table on people aged 50 and over  
Theme table on households with people aged 65 and over  
Theme table on all people  
Theme table on households  
Theme table on communal establishment residents  
Theme table on ethnicity  
Theme table on Welsh language  
Theme table on ability to speak Welsh  
Theme table on religion of all dependent children in households  
Theme table on religion  
Theme table on Ethnic National Identity  
Theme table on households and proficiency in English

## Subsequent releases

### **Key Statistics table titles**

Travel to work  
Migration

### **Quick Statistics table titles**

Migration (People)  
Distance travelled to work  
Method of travel to work - daytime population  
Migration (Households)  
Age (Workplace population)  
NS-SeC (Workplace population)  
Approximated social grade (Workplace population)  
Distance travelled to work (Workplace population)

### **Detailed Characteristics table titles**

Resident type and age by migration  
Age of Household Reference Person (HRP) and number of dependent children by migration of households  
Household composition by migration of households  
Sex and age by distance travelled to work  
NS-SeC by method of travel to work  
Country of birth by Ethnicity  
Country of birth by religion  
Occupation (4 digit SOC2010) by Industry (3 digit SIC07)  
Usual resident population by sex and country of birth and age  
Ethnic group (detailed categories)  
Religion (most detailed categories)  
Shared or unshared dwelling and tenure and number of bedrooms by migration and household composition  
Sex and general health and type of communal establishment by age (residents in communal establishments)  
Type of residency and sex and age by migration (people)  
Age of Household Reference Person (HRP) and number of dependent children by migration of households  
Household composition by migration of households  
Sex and age by distance travelled to work  
Sex and distance travelled to work by method of travel to work  
Sex and distance travelled to work by method of travel to work (workplace population)  
Sex and industry by distance travelled to work (workplace population)  
Sex and industry by highest level of qualification (workplace population)  
Sex and industry by occupation (workplace population)  
Sex and knowledge of Welsh and age by migration within Wales  
Migration of Welsh speaking households within Wales by age of HRP and presence of dependent children  
Sex and ability to speak Welsh and age by migration within Wales

### **Theme table titles**

Theme table on resident, workplace and daytime population  
Theme table on travel to work  
Theme table on migration (people)  
Theme table on migration (households)

### **Migrant table titles**

Migrants : Family status of migrant  
Migrants : Ethnic group  
Migrants : Long-term health problem or disability  
Migrants : Economic activity  
Moving categories of migrants and migrant groups in households  
Moving categories of migrant groups in households : Tenure

Moving categories of migrant groups in households : Sex and economic position of group reference person  
Moving categories of migrant groups in households : Sex and NS-SeC of group reference person  
Migrants : Knowledge of Welsh/Gaelic/Irish  
Migrants : Age  
Moving categories of migrants and migrant groups in households  
Migrants : Ethnic group  
Moving categories of migrant groups in households : NS-SeC of group reference person  
Moving categories of migrant groups in households : Tenure  
Migrants : Age and sex

**Workplace table titles**

Persons aged 16 to 74 in employment : Age  
Persons aged 16 to 74 in employment : Family status  
Persons aged 16 to 74 in employment : Method of travel to work  
Persons aged 16 to 74 in employment : NS-SeC  
Persons aged 16 to 74 in employment : Industry  
Persons aged 16 to 74 in employment : Ethnic group  
Persons aged 16 to 74 in employment : Employment status  
Persons aged 16 to 74 in employment : Age  
Persons aged 16 to 74 in employment : Family status  
Persons aged 16 to 74 in employment : Method of travel to work  
Persons aged 16 to 74 in employment : NS-SeC  
Persons aged 16 to 74 in employment : Occupation  
Persons aged 16 to 74 in employment : Employment status  
Persons aged 16 to 74 in employment : Method of travel to work

## 2011 Census products relating to Wales only

The 2011 Census statistics will contain tables which relate to Wales only. These will all be published in Welsh and English.

KS: Key Statistics

QS: Quick Statistics

LC: Local Characteristics

DC: Detailed Characteristics

T: Theme

M: Migrant

SR: Subsequent Release

Type	Release	2011 Table title
KS	2	Knowledge of Welsh
KS	2	Welsh language profile
QS	2	Knowledge of Welsh
QS	2	Welsh language skills
LC	3	Sex and age by knowledge of Welsh
LC	3	Type of Communal establishment by knowledge of Welsh
LC	3	Sex and age by ability to speak Welsh
LC	3	Type of Communal establishment by ability to speak Welsh
LC	3	Welsh-speaking ability of children age 3 to 4 only, couple household types only
LC	3	Ability to speak Welsh by ethnic national identity
LC	3	Ability to speak Welsh by national identity
DC	4	Family type by Welsh language; families; adults; children
DC	4	Sex by age and ability in Welsh
DC	4	Number of Welsh speakers by household size
DC	4	Family type by Welsh speakers by ability to speak Welsh and age
DC	4	Extended Welsh household composition by ability to speak Welsh and age
DC	4	Extended Welsh household composition by Welsh speaking adults by age of youngest dependent child
DC	4	Household Reference Person's (HRP's) NS-SEC and HRP's approximated social grade by dependent children speaking Welsh by Welsh speaking households
DC	4	National identity by sex, age and ability to speak Welsh
DC	4	Sex and age by country of birth and knowledge of Welsh
DC	4	Age of Household Reference Person (HRP) and tenure by knowledge of Welsh of Household Reference Person (HRP)
DC	4	Sex and age and long-term health problem or disability and general health by knowledge of Welsh
DC	4	Sex and occupation by knowledge of Welsh
DC	4	Welsh speakers and economic activity and year last worked by age
DC	4	Sex and industry by knowledge of Welsh

DC	4	Sex and NS-SEC by knowledge of Welsh
DC	4	Age and highest level of qualification by knowledge of Welsh
DC	4	Children speaking Welsh in Welsh speaking households
DC	4	Welsh speaking adults in households by age of youngest dependent child
DC	4	Type of Communal establishment by knowledge of Welsh
DC	4	Age of Household Reference Person (HRP) and tenure by ability to speak Welsh of HRP
DC	4	Type of Communal establishment by ability to speak Welsh
T	4	Theme table on households with Welsh speakers
T	4	Theme table on persons in households with Welsh speakers
T	4	Theme table on persons in households who speak Welsh
T	4	Theme table on main language_Wales
T	4	Theme table on Welsh language
T	4	Theme table on ability to speak Welsh
M	SR	Migrants : Knowledge of Welsh/Gaelic/Irish
DC	SR	Sex and knowledge of Welsh and age by migration within Wales
DC	SR	Migration of Welsh speaking households within Wales by age of HRP and presence of dependent children
DC	SR	Sex and ability to speak Welsh and age by migration within Wales

## Proposed 2011 microdata products

File	Detail	Geography	Licence	Availability
Public Use SAR	3%	Region and less detail or no geography and more detail	Open Government Licence	Download
Individual SAR	5%	Local authority - same level of detail as 2001 Individual SAR	Safeguarded	Special User Agreement  Download
Household SAR	1%	Region or none	As for Individual SAR	As for Individual SAR
Individual CAMS	More detail than 2001? Possibility for increased sample size	At least the same level of detail as in 2001	Approved Researcher	ONS VML (Secure environment)
Household CAMS	As for Individual CAMS	As for Individual CAMS	As for Individual CAMS	As for Individual CAMS

Source: ONS

SAR	Samples of Anonymised Records
CAMS	Controlled Access Microdata Sample
VML	Virtual Microdata Laboratory
ONS	Office for National Statistics

**Additional tables can be downloaded from the 2011 Census Prospectus pages on the ONS website.**

[Changes to tables since 2011 outputs consultation](#)

[The 2011 Prospectus updates register](#)