

Proposed 2011 Census Outputs Running Order

Introduction

Over the past two years extensive consultations have taken place to define the range of 2011 Census products and services. The range and scope of these products and services are intended to meet the needs of the wide variety of census users; from those who wish to obtain a broad overview for a particular area, to those who require very detailed and specific information about a topic.

The most recent consultation on the main series of statistical outputs took place between February and April 2011. The responses to this consultation have now been analysed and have resulted in the following publications:

- A report covering the main policy decisions made with regard to the outputs;
- A response to the 2011 Census geography consultation;
- A methodology paper explaining the quality of outputs relating to wards.

A full set of indicative table layouts will be published in September 2011. ONS is aware that users need to be kept up-to-date with plans for the dissemination of 2011 Census data as they develop. ONS is not currently able to produce a timetable for the publication of results without the risk of revising the timetable at a later stage. In order to keep users up-to-date with current plans, ONS has produced a provisional running order for the statistical series of outputs on the main residency base.

Provisional Running Order

First release July 2012

It is proposed that a set of first release tables are published which are broadly consistent with those published in 2001. These will include the usually resident census population estimates by single year of age/sex at the United Kingdom level and by five year age bands/sex at region/LA level for England and Wales. Scotland and Northern Ireland LA level estimates will not be included in the first release but will be published separately by the NRS (Scotland), and NISRA (Northern Ireland).

ONS aims to publish the first release with a high level package of information for each LA, including details relating to the quality of the estimates. In addition to publishing information in separate LA packs, the standard numerical content for all LAs in England and Wales will be published in one Excel document for individuals to carry out their own analysis. Further information on the content of the first release and related diagnostics can be found in Appendix A to this document.

Second release

This release will be phased, and will include univariate information specified during the outputs consultation process.

Phase 1 Univariate data for the output area (OA) hierarchy (OA, LSOA, MSOA). Data will also be available for regions, unitary and local authorities (UALA), and country. Headcounts will be made available to postcode level (by sex and household separately).

Phase 2 Univariate data for wards.

Phase 3 Remaining geographies including parishes/communities, parliamentary/Welsh assembly constituencies and electoral Areas, health areas, postcode sectors (all on a best-fit basis to OA), and national parks.

These will correspond to the following 2001 outputs:

- Key statistic tables produced for univariate information (counts and as percentages);
- UV tables;
- Headcounts.

Third release

The third release will consist of multivariate data designed for release to the lowest levels of geography. The release will support the OA hierarchy and Wards, UALA, Regional, National and Health Area levels. The data will again be released in three phases:

Phase 1 Multivariate data for OA hierarchy (OA, LSOA, and MSOA). Data will also be available for GOR, UALA, England and Wales.

Phase 2 Multivariate data for wards.

Phase 3 Other geographies including parishes/communities, parliamentary/Welsh assembly constituencies and electoral Areas, health areas and postcode sectors (all on a best-fit basis to OA).

These will correspond to the following 2001 outputs:

- CAS tables – multivariate KS tables;
- CAS Theme tables.

Fourth release

The fourth release will be of more detailed multivariate data. Due to disclosure control constraints these outputs cannot be produced at the lowest geographical level, the output area. The results will, however, be made available for ward, UALA, regional, national, health area, and national parks. Subject to further disclosure control evaluation, they may also be made available for MSOAs.

These will correspond to the following 2001 outputs:

- Standard tables;
- Standard Theme tables;
- AF tables.

The later phases for each release may overlap with those in the subsequent releases.

Subsequent releases

A series of further releases are still to be confirmed. These include:

- Migration tables;
- Workplace tables;
- Detailed ethnic/religious group outputs;
- Data produced on alternative population bases not specified in main statistical series.

Developments of larger multi-dimensional datasets at local authority level and above are being explored. It is envisaged that these “cubes” will offer users greater flexibility and easier access to census data, allowing users to produce a range of outputs to their own specification.

Further Work

Further consultations on more specialist products and services will take place throughout the remainder of 2011, to complete the output prospectus. These include:

- Micro data products;
- Origin–destination data (flows);
- Minority group regionally based outputs;
- Analytical products.

Once these consultations are complete, a full outputs timetable and prospectus will be made available in early 2012 and will include dates of delivery.

APPENDIX A

Publication of the 2011 Census population estimates and supporting information

1. Introduction

ONS aims to publish the first census results in July 2012. This will consist of the usual resident census day population estimates by age and sex. The release will be co-ordinated with census offices in each of the constituent countries and so will include estimates for the United Kingdom, England, Wales, England & Wales, Scotland and Northern Ireland. The ONS's first release will also include estimates at lower geographic areas within England & Wales, predominantly local authorities.

A range of supporting information is aimed to be published to give users confidence in the accuracy and robustness of the estimates¹. The supporting information outlined in this paper builds on experience from the release of the 2001 Census estimates. By incorporating the supporting material into the first release, it is intended to be available at an earlier stage than for the 2001 Census.

The planned first release is summarised as:

- Census day usually resident population estimates by age/sex at different geographic levels;
- Local authority specific summaries of key quality assurance comparisons, adjustments made and quality diagnostics (England & Wales only);
- Documentation of each adjustment made to the census population estimates at each geographic level.

More detailed information on the quality of the census population estimates will be published later in 2012 in conjunction with the second release of census data.

In September 2012 ONS is planning to publish mid-2011 population estimates. These will be based on the 2011 Census day population estimates, rolled forward to June 30th. A revised series of mid-year population estimates between mid-2002 and mid-2010 will subsequently be published. These revisions will also be based on the 2011 Census day estimates.

2. Proposed Content of the First Release

2.1 Census Day Population Estimates Data Tables

A set of first release tables will be published which will be broadly consistent with those published in 2001. These will be based on the usually resident census population estimates and will include:

- United Kingdom level by single year age/sex;
- England & Wales, Northern Ireland and Scotland by five year age/sex;
- Regions and Local Authorities within England & Wales by five year age/sex.

¹ In case of substantial delays to the timetable for processing and quality assurance, a prioritisation exercise has identified an ordering for the elements of the first release, and if absolutely necessary, some elements of the first release may be moved to the further release.

2.2 Local Authority (LA) Quality Assurance Packs

To give users greater confidence in the census population estimates ONS aims to publish a package of LA specific information as part of the first release.

It is intended that the package will include:

(A) Census population estimates:

- Charts and tables of age/sex charts census estimates by five year age and sex against diagnostic ranges and comparator data;
- Census confidence intervals around each age/sex estimate;
- Census and Census Coverage Survey (CCS) response rates (including CCS refusal rates);
- Overview of the results from the core quality assurance checks;
- Number of short-term migrants by broad age (0-16, 17-64, 65+) and sex;
- Total number of visitors;
- Total number of students by broad age group against comparator data;
- Total number of home and foreign armed forces.

(B) Census household estimates:

- Number occupied households and unoccupied residential addresses (unoccupied by usual residents – vacant, second residences, all visitor households, holiday homes);
- Total number of residential addresses from the address register.

(C) A summary of the adjustments made to the count of people who returned a census questionnaire:

- Population from census returns;
- Population after multiple responses have been removed;
- Census population estimates after coverage assessment/adjustment;
- Census population estimates after LA specific adjustments;
- Census population estimates after national adjustment;
- Size of large communal establishment adjustment.

In addition to publishing the information above in LA packs, the standard numerical content for all LA in England and Wales will be published in one Excel document for comparison purposes.

2.3 Supporting Documentation on Adjustments Applied

A series of papers are intended to be published to document the adjustments which were applied at local, regional, and national levels. These generic papers will detail why the adjustments were made and how they were applied. Examples include any national or large communal establishment that might be made.

LA packs will contain links to each of the relevant documents where adjustments were applied.

The supporting documentation will also include an overview of the assessment of over-count in the census estimates.

3. Subsequent Release of Census Population Estimates Material

The subsequent release will include detailed diagnostics aimed at expert users. The package of material to be included in the second release is still under development but will include:

Technical detail on coverage adjustments (by LA):

- Dual System Estimate (DSE) calculations used in coverage adjustment;
- Census-CCS matching success rates for auto and manual matching.

Detailed imputation rates (by LA):

- Age;
- Sex;
- Ethnicity;
- Intended length of stay.