

Population and Migration Statistics (PAMS) Committee (Scotland)

2011 Census progress

1. This paper provides an update on the progress made with the dissemination and analysis of statistical outputs from Scotland's 2011 Census since the last meeting of the committee (26 November 2014) and an outline of future plans. It also gives an update on some issues relating to dissemination of National Records of Scotland (NRS) statistics more generally. While the paper is mainly for information, PAMS members are asked to note in particular:
 - the invitation to take part in the online survey about uses of census data (para 21)
 - the request to submit any case studies for adding to the Scotland's census website (para 22)
 - the request for feedback on the Scotland's Census website (para 24)
 - the trailer for plans to consult users later this year about how NRS disseminates its statistics (para 26)
 - the question about whether to continue providing a summary list of NRS statistical publications (para 27)

Branch news

2. At the start of April, the 2011 Census Outputs and Statistical Information Services branches at the National Records of Scotland were reorganised into a combined Dissemination and Census Analysis branch. This reflects a transition from the production and dissemination of the results from the 2011 Census more towards 'business as usual' and also some staff turnover within the branches.

2011 Census Outputs

Standard outputs

3. Release 3N on 29 January marked the completion of publication of the main set of standard statistical outputs from Scotland's 2011 Census. That release also included some extra tables suggested by PAMS members for standard outputs. The standard outputs were supplemented by the publication, on 15 April, of a further batch of tables which provided census statistics on the labour market characteristics of the population aged 75 and over.

4. In January, Health Board Areas (2014) and 2011-based Data Zones were also added to list of geographies available for selection through the Standard Outputs section of the Census Data Explorer (CDE). The tables for 2011-based Data Zones will also be made available shortly via the refreshed version of the Data Warehouse section in the CDE. It is planned to provide guidance on the Scotland's Census website on how users can use look-up tables to aggregate census statistics for other geographical classifications such as the Scottish Government (SG) urban-rural classification and Scottish Index of Multiple Deprivation (SIMD) deciles.
5. Since November, a number of additional tables of census results, mainly at Scotland level, have also been published on the Scotland's Census website. These were mainly tables made available to support reports published by Scottish Government analysts on equality topics and on migration. The tables can be found in the [data warehouse](#) on the Scotland's Census website.

Other census products

Microdata

6. A [Teaching File](#) comprising a one per cent sample of non-disclosive, individual level records was published on 25 June 2014, available for download under Open Government Licence from the Scotland's Census website.
7. We are now finalising two other levels of 2011 Census microdata, which we hope to make available around the end of May:

Safeguarded files

These will be more detailed than the Teaching File and will be downloaded only under special user agreement. The files will contain a similar level of detail to the 2001 small area microdata and individual small area record files. As with the corresponding microdata files for England & Wales, it is proposed that access to these files will be through the UK Data Service. Terms and conditions of access and use remain the same as those already applied to the microdata from previous censuses that are already available through the UK Data Service.

There will be two safeguarded files, each comprising a five per cent sample of individuals:

- a file at Scotland level; and
- a file at a grouped local authority level, which will have less detailed variables than the Scotland level file.

Secure files

A 10 per cent sample of individuals and a 10 per cent sample of households. These samples will not overlap and will provide the most detail for the characteristics included. They will be generally similar to the 2001 Controlled Access Microdata

Sample (CAMS) with a possible increase in sample size. The files will only be available under Approved Researcher Licence, through a secure setting; it is proposed that initially access will be via the Virtual Microdata Laboratory (VML) managed by Office for National Statistics (ONS).

8. In order to help us finalise the specifications of these census microdata products we recently ran a short consultation exercise to gather comments from users on the list of variables it is proposed to include and on the groupings of local authorities proposed for that safeguarded microdata file. This attracted a small but useful number of comments which we are currently considering.

Origin Destination Statistics

9. Origin destination statistics are census data which deal with movement/ flow of people; either as migration (from their address one year prior to the census) or travel to work or study (from their current address to their workplace address or place of study). These flows can be cross-tabulated by other variables of interest (for example, method of travel). Much of the origin destination data from the 2011 Census is published at the UK level, providing flows for usual residents of Scotland, England, Wales and Northern Ireland. This includes the detailed UK Migration Statistics, published on 28 January 2015. This was a release from the 2011 Census of tables providing information on migration into and within the UK for a range of geographies.
10. More information on the detailed content and access arrangements for UK-wide origin destination statistics can be found on the [ONS website](#). A list detailing all Origin Destination tables available across the UK can be found in the [Origin Destination](#) (excel 131Kb) document. Further background information, including some additional tables, is also available on the Scotland's Census website to help provide users with additional Scottish context for these statistics. Some background information from NRS to help users on the availability of [workplace flow](#) is available on the Scotland's Census website, whilst a list detailing all Origin Destination tables available across the UK can be found in the [Origin Destination](#) (excel 131Kb) document.
11. Travel to study statistics, which are a Scotland-specific census product, are currently planned for publication in early summer. We will offer further information and seek views from PAMS in due course.

Alternative populations

12. The standard outputs for the 2011 Census generally relate to the usually resident population, i.e. in terms of where people usually live. However, a number of tables are also planned for publication in relation to two alternative population bases:
 - a) Workplace population: For a given geography, the estimate of people who work there, for example people who travel into a city to work. It will be a geographic redistribution of the usual resident population who are in work, allocated to their place of work.
 - b) 'Daytime' population: This is a population estimate of all people who are working or studying in the area plus all people who are not working or studying but are resident in the area.

13. For both these sets of statistics we hope to incorporate data from the other UK census offices on residents of England, Wales and Northern Ireland whose workplace or (in the case of Northern Ireland) place of study is in Scotland. We are currently in discussion with ONS and Northern Ireland Statistics and Research Agency (NISRA) about obtaining the relevant data. The workplace and daytime (or 'workday') population statistics published by ONS for England & Wales exclude residents of Scotland and Northern Ireland who work in England or Wales. However, we think that for the corresponding statistics for Scotland it would be better to include residents of the rest of the UK who work/study in Scotland if at all possible. ONS is currently extending the workplace zone geography created for England & Wales to cover Scotland (and Northern Ireland). This will provide a safe (in statistical disclosure terms) low level geography for disseminating statistics on workplace populations.

14. We plan to go out to users shortly to get their views on the tables we propose to publish on workplace and daytime populations in Scotland. (These will most likely taking the corresponding ONS tables as a starting point.)

Commissioned tables

15. Following the completion of the main set of standard outputs in January, significant resources have been put in to dealing with the accumulated list of requests received for commissioned tables of 2011 Census data. Good headway is being made with this work, and a number of commissioned outputs have been released to customers in recent weeks, with others due to follow shortly. All completed commissioned tables are published in the Data Warehouse section of the Census Data Explorer.

Census Analysis and Reports

16. NRS have been working on the following analytical reports.

- Living arrangements and concealed households – in draft awaiting allocation of resources
- Migration – characteristics of recent migrant groups – progressed jointly by analysts from Scottish Government Strategy Unit . This also includes work to support the work of the Convention of Scottish Local Authorities (COSLA) Migration Matters project. Published in the [publication section](#) of the SG website in March 2015.
- Internal migration patterns – Published after the origin destination tables are published on 25th November.
- Overview of health statistics in Census – no progress as other organisations working extensively with health statistics
- Characteristics of the private rented sector – on hold awaiting allocation of resources
- Travel to work - published additional tables alongside publication of the origin destination tables by ONS. More information can be found in the [origin destination](#) statistics section of the Scotland's Census website.
- Inhabited islands – a set of tables have been created which update the published tables in the 2001 report on this topic. A draft bulletin is being worked on, with likely publication in June.

17. In addition, NRS are working in partnership with analysts in Scottish Government and other users to encourage them to analyse the available Census data, and also to contribute to the production of descriptive analytical reports on the following areas. There has been progress on the following topics

- Analysis of equalities –There was a [publication](#), on the SG website, of a second report in this topic and [accompanying tables](#), on the Scotland's Census website, in March 2015.
- Analysis of Gaelic language. This work is being progressed as part of a pilot study to allow access to Census data to accredited researchers to the Administrative Data Research Centre Scotland (ADRC-S) safe setting, supported by the Chief Statistician in Scottish Government. The researchers are accessing detailed Census tables through the Scottish Longitudinal Study safe setting, with a view to producing a descriptive report on patterns of Gaelic in early summer 2015. They have been consulting with key stakeholders as part of this process.
- Data sharing agreement with Transport Scotland to provide detailed flow data for use in updating the Transport Model for Scotland.
- Meeting with Scottish Government analysts through the Demographic Analysts Working Group to identify other potential uses of Census data.

Metadata developments

18. The Scotland's Census website continues to be updated with a range of supporting information to help users access and understand the range of statistical outputs produced from the 2011 Census. For example, a census table search tool has been added to the Data Warehouse section of the CDE to help users identify which tables feature a specific variable or variables. The search tool covers all published standard, additional and commissioned tables.
19. Further planned enhancements include a summary report on the comparability of questions asked in the census; an Excel tool to enable users to compare 2001 and 2011 census data at council area level (where the questions asked in the census allow such comparisons to be sensible made); and supporting information relating to the safeguarded and secure microdata products.

Uses of Scotland's Census data

20. A number of events have been held since November to raise awareness of the uses of census data. Details of these are listed at Annex 1.
21. Following the Census Conference last June we developed a short online survey to try and capture uses of Scotland's Census data. Although we have included the survey in newsletters and placed the survey on our website, we haven't pushed the survey too much with our Stakeholders. We have so far received 30 responses since the launch of the survey in August last year, including one or two from members of PAMS. However, it would still be valuable to receive more responses. The survey only takes a couple of minutes to complete; more information is available from the [survey monkey](#) website.
22. Thanks to Nicky Sobey from Highlands and Islands Enterprise (HIE) for sharing with us copies of HIE's Area Profiles. This is something we are considering adding to Scotland's Census website to highlight examples of how Census information is being applied. If you also use census data and would like your work to feature on the website, please get in touch: scotlandscensus@gro-scotland.gsi.gov.uk

Scotland's Census website

23. New features added to the website in the last few months include:

[Scotland's Census Table Search tool](#) , this table index helps you find out what 'standard', 'additional' and 'commissioned' tables have been published.
[Geographies Support Guide](#), Scotland's Census results are available for different types of geographical areas. This guide will help you learn more about the different types of geography.
[UK Parliamentary Constituencies in Scotland](#) (PDF 1.40Mb), The profiles in this document present a selection of interesting graphs and tables for each of the 59 UK Parliamentary Constituencies in Scotland.

24. Going forward, we are shortly going to make a number of significant enhancements to the website, including:

- refreshing the structure of the Data Warehouse (moving away from the current release by release structure)
- adding the 2001 Census tables to the Census Data Explorer (at which point the SCROL website would then be decommissioned)
- implementing a more user-friendly front end for maps and charts
- adding UK Parliamentary Constituencies as a geography for Area Profiles

We remain very keen to hear views from you about the website and how we should develop it further in the months and years ahead, for example, other geographies (wards?) that might usefully be added to Area Profiles? If you have any specific thoughts or ideas, please get in touch: scotlandscensus@gro-scotland.gsi.gov.uk .

Other issues

25. The new National Records of Scotland (NRS) Corporate Website has launched and the old General Register Office for Scotland (GRO) website has now been archived. If anyone notices any issues with the new website (e.g. broken links) or any other feedback on the NRS website then please get in touch.

26. NRS recently consulted users about the range of Demographic Statistics products (consultation closed on 22 April). Later this year we would like to follow that up by seeking views from users on the ways in which we disseminate our statistics, for example the choice of formats (Excel, pdf, html, csv) provided for tables and other published material. If you have any comments on that just now, or would like to be involved in considering these issues then again please just get in touch.

27. For past meetings of PAMS we have provided a list of all NRS statistical publications released since the previous meeting. All NRS statistical publications can of course be accessed via the NRS/Census websites and we would therefore like to ask whether you would still find it useful to receive such a summary listing. (We haven't provided a list of publications with this paper but would be happy to compile one and circulate with the minutes if the view is to continue with it.)

**NRS: Demographic Statistics: Dissemination and Census Analysis
April 2015**

Annex 1 - Awareness raising through events, training courses and conferences

Date and location	Event	NRS Lead / involvement
December		
3 December 2014	Aberdeen City CPD Programme	Celia Macintyre
17 December 2014	Exploring the Scottish Census Workshop, University of Strathclyde	Celia Macintyre
January		
13 January 2015	Statistics for Professional Practice, Moray House, Edinburgh	Celia Macintyre
February		
17 February 2015	Introduction to Census data and practical applications, Aberdeenshire CPD, Inverurie Academy	Celia Macintyre
March		
13 March 2015	Probus Scotland, Bishopbriggs	Celia Macintyre
24 March 2015	Exploring the Scottish Census Workshop, Inverclyde Council	Celia Macintyre
26, 30 March 2015	Scottish Government Census Practical's, Victoria Quay and St Andrews House, Edinburgh	Celia Macintyre
April		
13 April 2015	Making the most of travel flow data, Edinburgh Centre for Carbon Innovation	Celia Macintyre
24 April 2015	Exploring the Scottish Census Workshop , Edinburgh University	Celia Macintyre