

**Population and Migration Statistics (PAMS)
Committee (Scotland)**

Dissemination and Census Analysis update

1. This paper provides an update on the work of the Dissemination and Census Analysis branch, including a progress report on the dissemination of statistical outputs from Scotland's 2011 Census.

Branch news

2. Michael Duffy joined the Web Dissemination team in early October, while Martin Macfie is due to join the branch in mid-November. We are now close to having a settled permanent staffing complement, though some further staff turnover is likely over the next few months as the Scottish Government Statistician Group runs its annual staff promotion/ rotation exercise.

2011 Census Outputs

3. Following the completion of publication of the main set of standard statistical outputs from Scotland's 2011 Census last year, work on producing census outputs has focussed on:
 - providing further statistics for alternative populations
 - publishing ad hoc (additional and commissioned) tables of census data
 - enabling additional means of accessing secure Scottish census microdata
 - releasing analytical reports
 - creating a 2001-2011 comparator Excel tool
 - adding tables of 1991 Census data to the Census Data Explorer

Further information on these and other topics is provided below

Statistics for alternative populations

4. While the standard outputs for the 2011 Census generally relate to the usually resident population, this is in terms of where people usually live, it is useful for some users to have census statistics in relation to two alternative population bases:
 - a) **Workplace population** (for a given geography, statistics on the people who work there)
 - b) **'Daytime' population** (for a given geography, statistics on all people who work or study in the area plus all people who are not working or studying but are resident in the area).

5. For both these population bases, we have incorporated data from the other UK census offices on residents of England, Wales and Northern Ireland who work in Scotland in the sets of tables at council area level which were [published](#) last November.
6. Workplace and daytime population counts at output area level have now been finalised and will be released in November.
7. NRS has also worked closely with the Office for National Statistics to extend the workplace zone geography created for England & Wales to the whole of the UK, including Scotland and Northern Ireland. A finalised set of boundaries and lookups for this [geography](#) was released on 20 September. This geography will provide a safe (in statistical disclosure terms) low level geography for disseminating more detailed statistics on workplace populations in Scotland, and work to publish these will continue over the next couple of months - we hope to publish most, if not all, of these tables before the end of the year.

Additional and Commissioned tables

8. We have made good headway over the summer in clearing the backlog of requests for commissioned tables of census data, and can hopefully now provide an improved turnaround time for any requests received in future. In addition, we have published a significant number of additional tables as supporting information for various analytical reports based on census data.
9. All completed commissioned tables are published in the Data Warehouse section of the [Census Data Explorer](#). A total of 173 additional and commissioned tables have been published since the start of April 2016, with approaching 90 per cent of these relating to health, migration and identity topics. Over the same period the branch also dealt with around 400 requests for information through its customer services request service.

Topic	Number of additional and commissioned tables published in April-October 2016
Education	-
Health	104
Housing and accommodation	3
Identity	13
Labour market	5
Language	1
Migration	20
Population and households	3
Religion	8
Origin destination (address 1 year ago)	14
Origin destination (travel to work/study)	2

Microdata

10. The 2011 Census secure microdata files are currently available only under Approved Researcher Licence via the Virtual Microdata Laboratory (VML) managed by ONS. Further details, including information on how to access them via the VML, are available on the [Scotland's Census](#) website.
11. NRS continues to investigate alternative means of providing more local access to Scottish users of secure data, including plans to deposit Scottish census microdata in the Edinburgh BioQuarter as part of the Scottish Informatics and Linkage Collaboration¹ (SILC). We need to finalise an agreed set of protocols and practices to enable this access.

Census Analysis and Reports

12. NRS has published the following analytical reports since the May meeting of PAMS:
 - People with a learning disability or developmental disorder (data for 13 to 24 years old age group) - published June 2016
 - People with a learning disability or developmental disorder (further characteristics) - published July 2016
13. In addition, NRS continues to work 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. There has been progress on the following topics:
 - [Characteristics of migrants in Scotland](#) – published October 2016 (an extended version of a report published in March 2015)

Communication and engagement

14. A number of events have been held since May to raise awareness of the uses of census data. Details of these, together with some upcoming events, are listed at Annex 1.
15. The majority of communications and engagement since May has focused on Scotland's Census 2021, primarily activity supporting Scotland's Census 2021 Topic Consultation. A report of the outcome of that consultation was published on 15 August.

Footnote

1) The Scottish Informatics and Linkage Collaboration (SILC)

SILC is a collaboration between many academic and public bodies to ensure that Scotland realises the benefits that can be derived through the legal, ethical and carefully controlled use of administrative, survey and other types of data.

At its inception, SILC brings together the Farr Institute, the Scottish Administrative Data Research Centre (ADRC) and the electronic Data Research and Innovation Service (eDRIS) along with Scottish Government investment and expertise to create a joined-up hub of innovation in data linkage. It is anticipated that others operating within the data linkage arena will join the collaboration. SILC will operate in-line with the 'Guiding Principles for Data Linkage' to ensure that citizens' privacy is maintained whilst simultaneously ensuring that research which is in the public interest is supported.

Scotland's Census website

16. A number of additions and improvements are planned for the Scotland's Census website, including:

- streamlining the format of the listings of additional and commissioned tables to make them more readable
- adding tables of 1991 Census data to the Census Data Explorer (with plans to follow that with the addition of tables of 1981 Census data)
- making available an Excel tool to compare selected 2001 and 2011 Census data at council area level
- updating the guidance for researchers on how to access census data
- releasing further supporting information, including reports on the 2011 Census coverage rates; a summary of the 2011 Census Quality Survey; imputation rates for individual variables; and a comprehensive 2011 Census data dictionary providing full details of individual variables on the census outputs database
- a general refresh/ updating of individual web pages.

Dissemination of statistics on the NRS website

17. The latest edition of the [Registrar General's Annual Review of Demographic Trends](#) was published on 10 August, along with an accompanying [Infographics Report](#). Other NRS statistical publications can be found on the [Statistics page](#) of the NRS website.

The tables for NRS statistical publications are generally published in Excel, CSV (comma separated value) and PDF formats. As part of a move under the NRS Open Data Strategy to improve the accessibility of published statistical data, we are looking at providing tables in 'machine readable' CSV format, from early 2017. This issue is covered in more detail in paper PAMS (16) 14.

NRS: Demographic Statistics: Dissemination and Census Analysis
November 2016

**Annex 1: Awareness raising through events, training courses and conferences,
May – November 2016**

Date and location	Event	NRS Lead / involvement
30/06/2016 Edinburgh University Library	UK Data Service event	Celia Macintyre Prash Thaker
29/10/2016 Coatbridge	Scottish Association of Geography Teachers	Celia Macintyre
2/11/2016 Bioquarter	EDRIS staff training	Celia Macintyre Prash Thaker
17/11/2016 Stirling	Registration Division seminar	Celia Macintyre
November 2016	GLOW recording for teacher staff development using Census Data Explorer	Celia Macintyre