

## Population And Migration Statistics (PAMS) Committee (Scotland)

### Population and Migration Statistics Update

#### Introduction

This paper summarises the recent work on population and migration statistics. PAMS is asked to note the paper and other comments. We would also be very keen to hear back from PAMS members about how you use our statistics and what impact they have. Written comments on anything covered in this paper will also be very welcome to National Records of Scotland (NRS), Email: [customer@gro-scotland.gsi.gov.uk](mailto:customer@gro-scotland.gsi.gov.uk).

#### Staffing

Darren Knox started in our team on 14 October 2013 taking over from Kylie Hill.

#### Publications

Publications since the last PAMS meeting are:

- 2012-based National Population Projections for Scotland (6 November 2013);
- Remaining 2012-based variant projections for Scotland (10 December 2013);
- Revised population and migration estimates at Scotland, Council and NHS board area for 2002 to 2010 (17 December 2013);
- Small area population estimates for 2011 and 2012, old data zones (17 December 2013)
- Local Area Migration 2012 and revised Migration tables 2002 to 2011 (27 February 2014);
- Centenarians in Scotland, 2002 to 2012 (21 March 2014);
- National Life tables (formerly Interim Life tables) for Scotland 2010 -2012, including revised back series (21 March 2014);
- Life Expectancy, Council and NHS Board areas 2010-2012 (16 April 2014); and
- Mid-2013 population estimates for Scotland only (30 April 2014).

Future publications:

- 2012-based Sub-National Population Projections for Council and NHS Board areas (14 May 2014);
- Revised Small Area Population Estimates for 2002 to 2010, old data zones and special populations including Urban Rural, SIMD etc (22 May 2014);
- Mid-2013 Population Estimates for Administrative Areas, delay from 30 April publication (June 2014);

- Migration tables for mid-2012 to mid-2013 (July 2014);
- Mid-2012 Settlement and Locality Population Estimates (July 2014);
- Small Area Population estimates and special area population estimates mid-2013 for old data zones, due to delay in new data zone boundaries (August 2014);
- National Life Tables 2011-2013 Scotland table published in August with our Registrar General's Annual Review (August 2014);
- Three chapters for the Registrar General's Annual Review (August 2014);
- 2012-based SDP and NP Population Projections (August 2014);
- Country of Birth and Nationality population estimates 2013 (August 2014);
- Centenarians, 2003 to 2013 (25 September 2014);
- Life Expectancy for Scottish Areas 2011-2013 (October 2014);
- Local Area Migration Report (October 2014);
- Revised Small Area Population Estimates 2002 to 2013 (late 2014/early 2015 TBC) – new data zones; and
- Mid-2014 Population Estimates Scotland, Council and NHS Board areas (April 2015).

### **Mid-2013 Population Estimates**

The estimates published on 30 April 2014 were for Scotland only and are not split by age and sex. Estimates for Scotland and its Council/NHS board areas by single year of age (up to 90+) and sex will be published in June. It was originally intended to publish these estimates on 30 April 2014, however, an issue affecting the Council/NHS Board area population totals and age-sex distributions was identified as needing further work. Therefore the more detailed breakdowns will now be published in June.

NHS Board area boundary changes, effective from 1 April 2014, mean that NHS Board areas are now aligned with Council area boundaries. The estimates which will be published in June will be for April 2014 NHS Board areas. However, population estimates for pre-April 2014 NHS Board areas back to 1981 will be available in June to download from the Population Estimates Time Series Data section of the NRS website.

### **2012-based Population Projections**

The Scotland level 2012-based population projections were published on 6 November 2013 and we are publishing the sub-national projections on 14 May 2014. We would like to say thank you to all those that replied to our consultation on the migration assumptions to be used in these projections, the comments we got back were very useful in helping us to set the assumptions. We will be writing to all local authorities on the day of publication explaining any difference to the assumptions which were made after the consultation and also writing responses to individual queries raised with us. We are very happy to come and speak to you and any colleagues about the resulting sub-national projections as well as the population estimates and national projections they are based on.

## **Small Area Population estimates**

We will be publishing revised small area population estimates for 2002 to 2010 on 22 May 2014 and would like to say thank you to those council area representatives who contributed to our quality assurance process. Due to the delay in the boundaries of new data zones we will now be publishing small area population estimates for mid-2013 in August 2013 for old data zones, due to user requirements and will publish population estimates for new data zones later in the year for 2002 to 2013 when the new boundaries are available.

## **Mid-2012 Settlement and Locality Population Estimates**

Mid-2012 population estimates for settlement and localities are to be published in July 2014. At the beginning of June we will be carrying out a quality assurance exercise with councils on the new boundaries. There may be more changes than for previous publications due to information becoming available from the 2011 Census and local knowledge will be very useful. We also hope to include more population background information on our website if resources allow.

## **Research and improvement work**

We have a range of improvement work we are planning to take forward on the following topics:

Internal Migration, including comparing address 12 months ago information from the 2011 Census with our migration estimates. Continuing to develop our use of the Demographic subset of the NHS Central Register (NHSCR) extract, explore the data recently obtained from Higher Education Statistic Agency (HESA) and how it can improve our estimates of student migration and continue to pursue additional data sources to improve our estimates.

Review through consultation the need for Marital Status population estimates and explore methodologies for Ethnic Population Estimates as discussed previously at PAMS meetings.

Develop further quality indicators for mid-year estimates and explore the creation of confidence intervals for our estimates where possible. Research the feasibility of producing population estimates at single year of age and sex up to 100+ rather than 90+ as part of our main mid-year estimates process and review with Office for national Statistics (ONS) the existing methodology at Scotland level to produce 90+ estimates by single year of age.

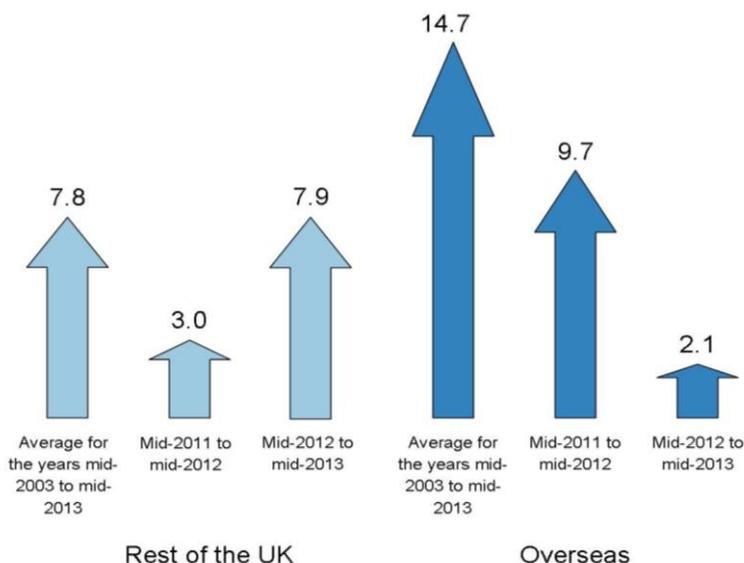
Review the methodology to produce Small Area Population Estimates to allow improvements for our estimates of new data zone population estimates.

Review the sub-national projections methodology in time for the 2014-based projections, taking account of changes to the national projections produced by ONS.

## Improving our dissemination: infographics and data visualisation

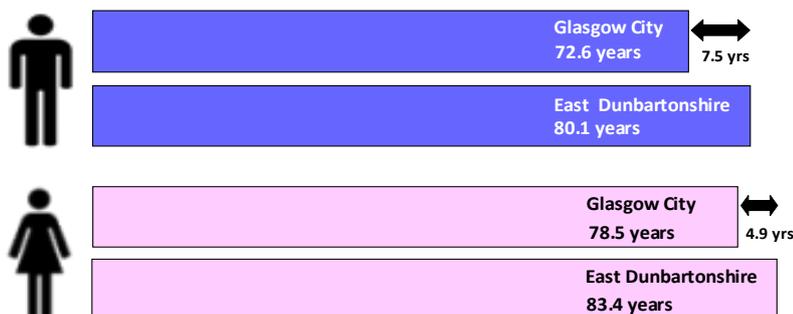
We have developed new infographics with our recent releases including the following:

Net migration (inflow minus outflow) to Scotland in thousands



Life expectancy at birth, Scotland 2010-2012

(Council areas with the lowest and highest life expectancies, by gender)



National Records of Scotland, 2014.

We are also planning to produce data visualisations, including one for internal migration which is similar to ONS's, available through the following link [www.neighbourhood.statistics.gov.uk](http://www.neighbourhood.statistics.gov.uk), and also plan to include interactive mapping for our Settlement and Locality publication. Both these developments are planned for July but depend on securing website resource to implement them on our new website.

We will be continuing to develop these visual summaries and interactive content as we go forward and feedback and suggestions are very welcome. We have also started to make use of Twitter and have tweeted links to news releases and tweeted infographics on the days we release statistics.

Follow us on Twitter: @NatRecordsScot | [twitter.com/NatRecordsScot](https://twitter.com/NatRecordsScot)

### UK Statistics Authority Assessment

The UK Statistics Authority will be assessing our Population statistics starting in the summer this year. Population statistics are being re-assessed again due to their high profile.

NRS: Population and Migration Statistics branch