



2011 Census Northern Ireland

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**Census Research User Conference
31 October 2014**



Overview of the session

1. What's new since the last research conference?
2. What's still to come?
3. Innovations
4. Challenges



What's new?

Key Statistics for Northern Ireland (Release 2)

- Jan 2014 – Key Statistics for 11 New Local Government Districts
- Sep 2014 – Key Statistics Summary Report (higher geographies)

Detailed Characteristics for Northern Ireland (Release 3)

- May – Nov 2013 (published on schedule; 4 phases; 3 stats bulletins)
- 207 tables (to Super Output Area level where feasible)
- Geography level subject to Statistical Disclosure Control (SDC)

Local Characteristics for Northern Ireland (Release 4)

- March 2014 (published on schedule)
- 126 tables to Small Area (OA) level
- Disaggregation level within tables subject to SDC



What's new? (continued)

Specialist Outputs for Northern Ireland

Sept 2013 - [Headcount & Household Estimates for Postcodes](#)

Jan 2014 – [Microdata Teaching File](#)

Sept 2014 – [Short-Term Residents](#)

UK, Eurostat and Island of Ireland Outputs

Dec 2012 - July 2014 – [UK Releases 1 and 2](#)

March 2014 – [UK - Europe Census Comparisons](#) (Eurostat)

March 2014 – [UK Migration and Workplace Tables](#)

June 2014 – [Census 2011: Ireland and Northern Ireland](#)

July 2014 – [UK Origin-Destination Statistics](#)

Media Coverage

Key Statistics - Religion and National Identity

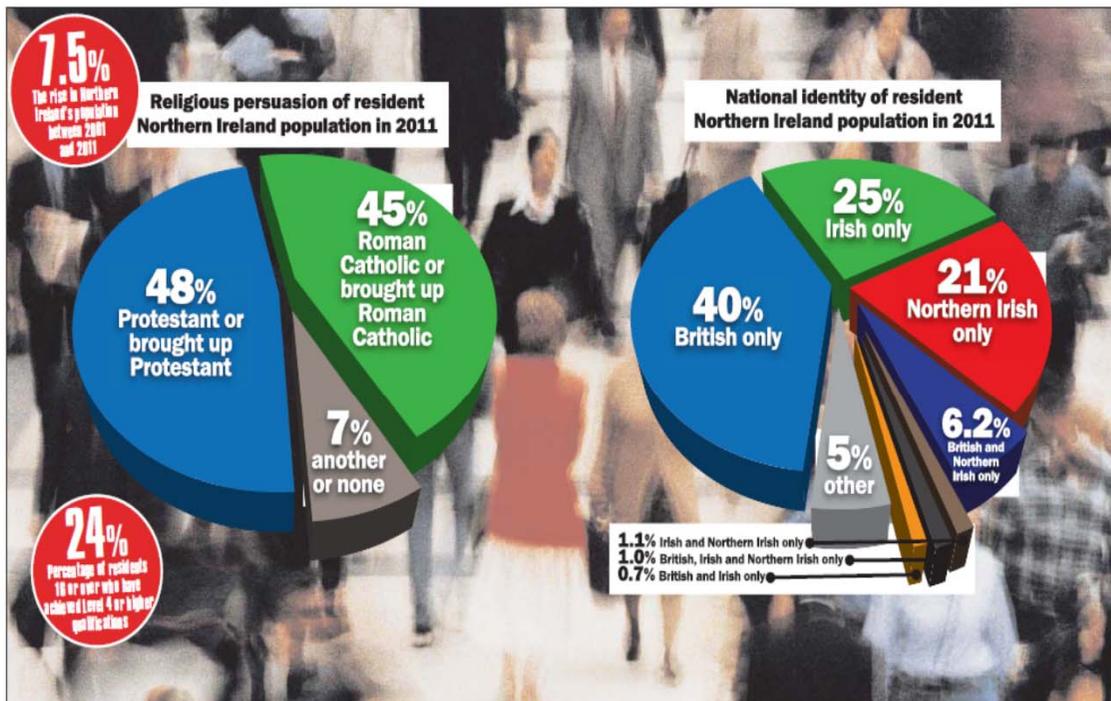


A DRAMATIC CHANGE IN WHO WE THINK WE ARE

One in five see themselves as Northern Irish

Head-count numbers still prove emotional

Religion gap just 3% in Northern Ireland



The rise of the Northern Irish

Link between our religion and our politics is fast weakening

Media Coverage

Key Statistics - Religion and National Identity

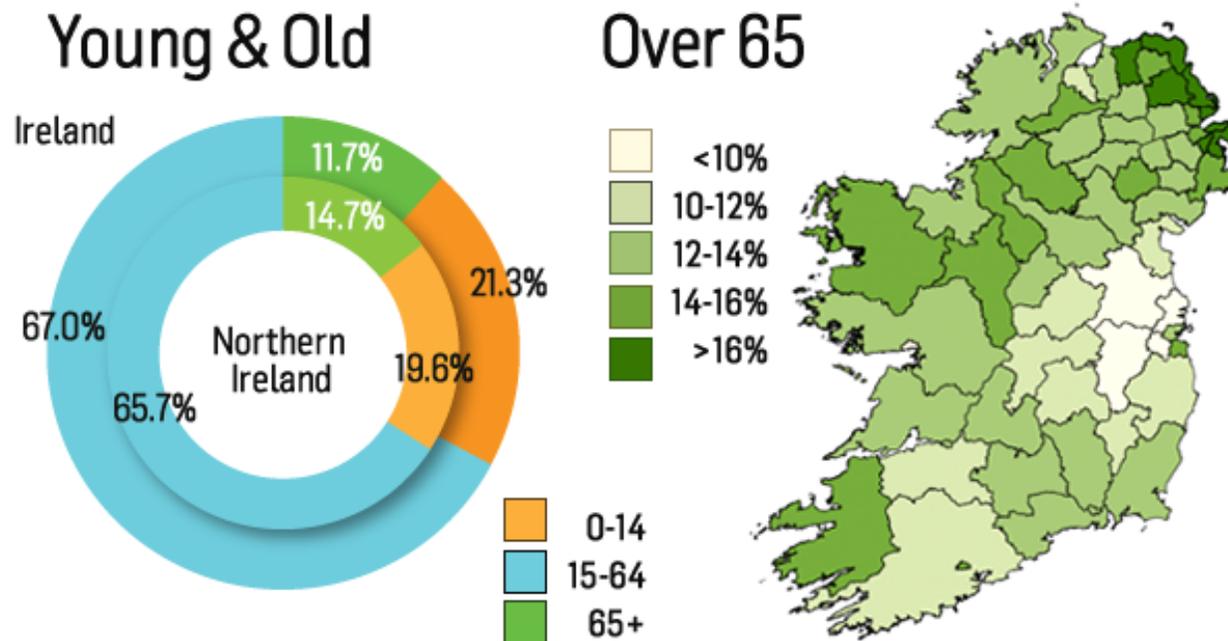


Media Coverage Ireland and Northern Ireland Report



Census comparison shows differences between Republic and NI

Significant gaps in terms of average age, population density and household size





Still to Come

- Origin / Destination (Autumn 2014)
- Microdata (Autumn 2014)
- Alternative Populations
 - Workplace (19 November 2014)
 - Daytime (18 December 2014)
- Travel to work (method and distance travelled) (by March 2015)
- Migration (by March 2015)
- Settlements (Urban / Rural Classification) (by March 2015)
- Grid Square data (by March 2015)
- Evaluations and General Report (by March 2015)



Grid Square Data

- **Outputs mainly univariate for:**
 - 100m grids (Urban areas); 1km grids (Rural areas)
- **Consistent geography over time**
 - 1971 through to 2011
 - Valued by specialist users (mainly academics)
- **Can be aggregated to approximate any geography**
- **Disclosure considerations**
 - Appropriate thresholds on number of households and people
 - Reassurance about risk of different geographic base (differencing)

Northern Ireland Longitudinal Study (NILS)

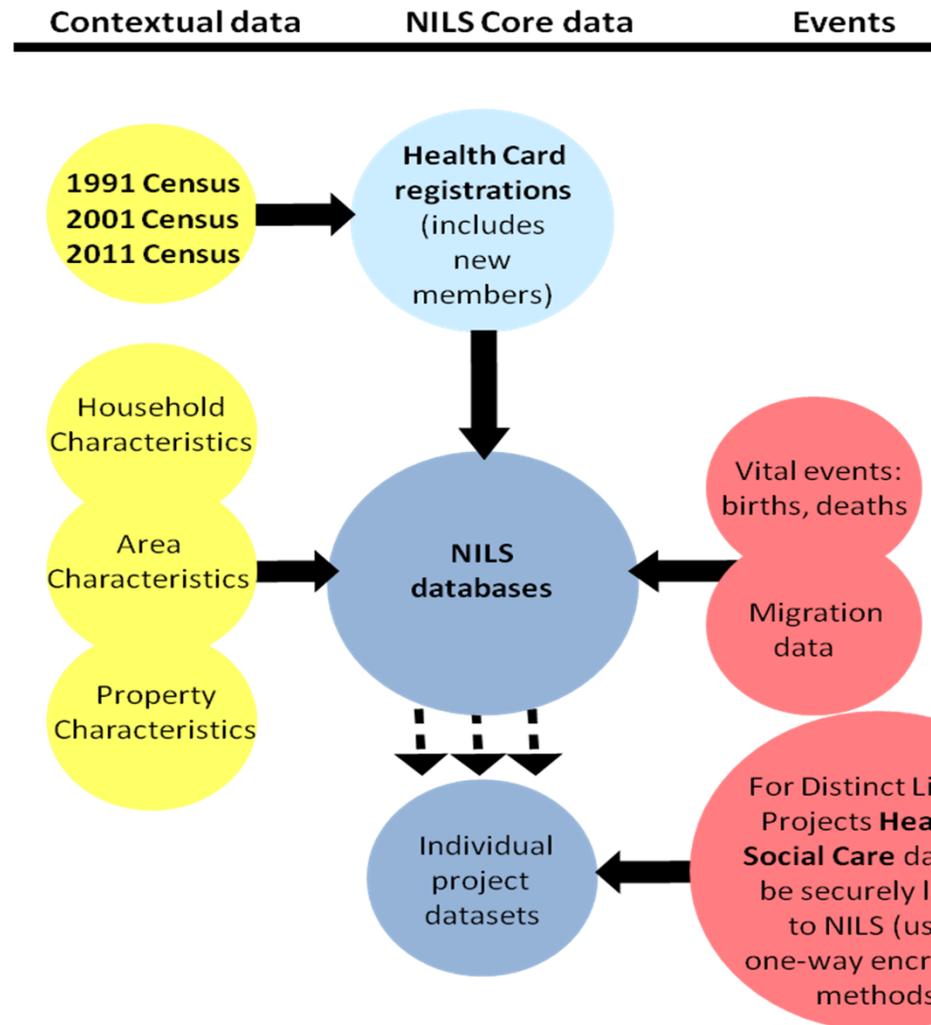


- A large-scale, representative data-linkage study – designed to examine change through time (e.g. mortality, fertility) - managed by NISRA
- NILS ‘core’ sample (28% of NI population - 104/365 birth dates) is based on demographic data from Health Card Registrations, linked to:
 - 1991, 2001 and 2011 Census returns (1981 linkage underway); and
 - administrative / contextual data (e.g. births, deaths, migration and property)
- Data accessed through NILS Research Support Unit (funded by ESRC) - currently facilitating over 80 research projects on themes such as:
 - health and mortality; demographic trends; education, employment and income; equality research; and area-based analyses

NILS Structure



Structure of the NILS





Innovations

Census Under-Enumeration (CUE) Project

- Census 2011 returns from 94% of households and 92% of individuals
- ‘Populated’ non-respondent households using data on NHS activity in last 18 months (e.g. GP registrations, prescriptions, dentists, opticians)
- Data matching (e.g. name, sex, D.O.B., address, month of last activity)
- Caution exercised to avoid duplication
- Enhanced the 2011 Census Assessment Adjustment process
- Improved quality of 2011 Census estimates (covered whole population)
- International interest in this approach, which has been unique to NI
- Success of CUE Project can be built on in the run-up to Census 2021

2011 Census Assessment Adjustment Process (Vision)



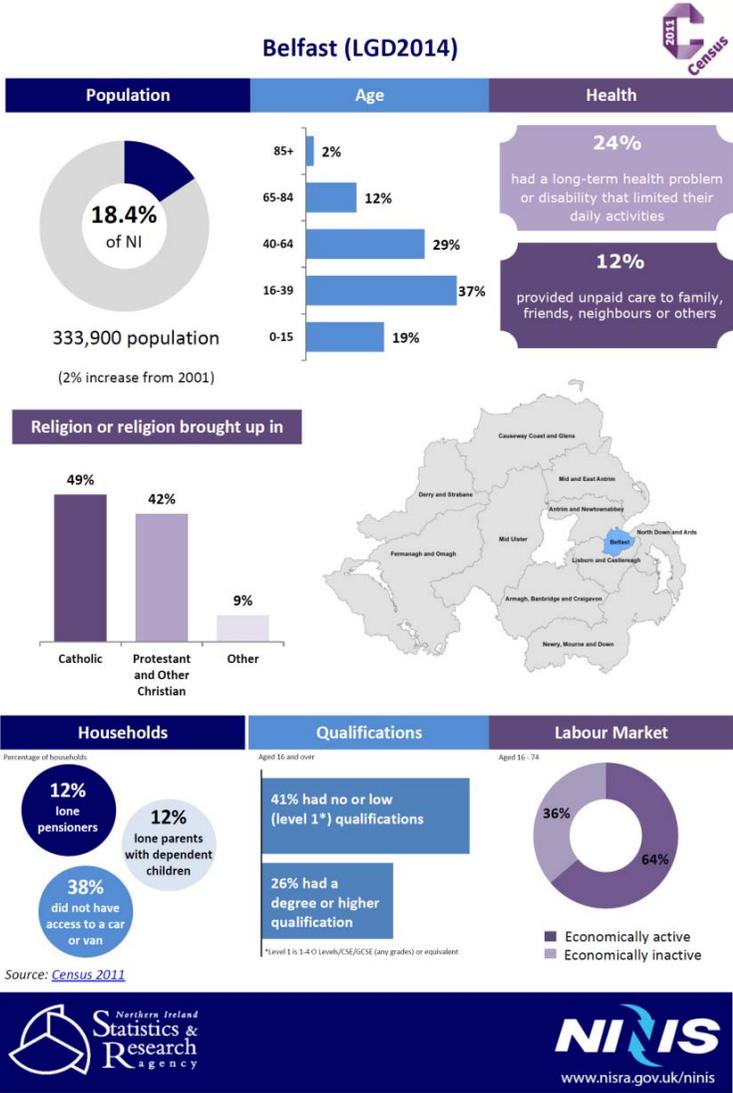
The CUE project was part of the wider Census Assessment Adjustment process that also included a Census Coverage Survey



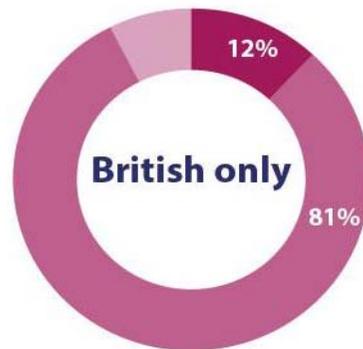
Innovations (continued)

- **Post-out of Census Forms**
 - Smaller, more flexible field force
- **Online completion (15% of responses)**
 - Reduced - postage costs; item non-response; calls to contact centre
 - Improved - data quality; speed of data capture; processing of returns
 - More environmentally friendly
- **Relaunched Neighbourhood Information Service (NINIS)**
www.ninis.nisra.gov.uk
 - Source for all Census 2011 Tables
 - Area Profiles; Interactive Maps; Infographics

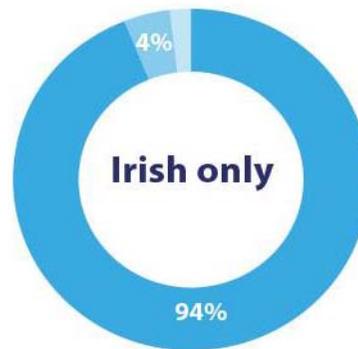
Infographics (Local Government elections)



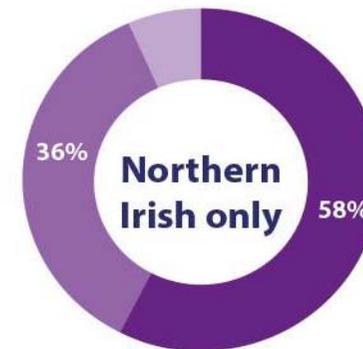
Infographics (National Identity)



- Catholic
- Protestant and other Christian
- Other or none



- Catholic
- Protestant and other Christian
- Other or none



- Catholic
- Protestant and other Christian
- Other or none

Challenges (Census 2011)



- Would post-out of forms be a success?
- Would Internet completion be secure and successful?
- Would response rates be maintained?
- Managing under-enumeration
- Changing geographies (e.g. local government and ward boundaries)
- SDC (new technologies and additive tables)
- UK harmonisation (competing local, national and individual demands)

Challenges (Census 2021)



- NISRA Information Paper - Census 2021 to be predominantly online
 - [The Future Provision of Census Population Information for Northern Ireland](#)
- Administrative data (legislation, access, quality, up-to-date)
- Pre-populated address register with 'strong' activity-based records
- Online completion (technology, size / uniformity of response rates)
- Focus non-response effort on households with no activity evidence
- Changing customer needs (e.g. technology, table formatting)
- Resources (including retention of experienced staff)



Thanks for listening

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