



# CALLS-HUB

CENSUS & ADMINISTRATIVE DATA  
LONGITUDINAL STUDIES HUB

## CALLS Hub & the UK context

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University of St Andrews



# CALLS Hub

Census & Administrative data  
Longitudinal Studies Hub

# Background

- CALLS Hub funded by ESRC for an initial 5 year period: 2012-2017
- Collaboration between Univ of St Andrews and UCL
- Aim is to
  - Support
  - Promote &
  - Harmonise the work of the RSUs

# The CALLS Hub team

## ● Co-Directors:

- Prof Allan Findlay (St Andrews)







- Dr Oliver Duke-Williams (UCL)

## ● Project Manager:

- Dr Fiona Cox (St Andrews)

## ● Research Support Officer:

- Keith Maynard (St Andrews)

	 <b>Office for National Statistics</b>  ONS Longitudinal Study	 <b>National Records of Scotland</b>  Scottish Longitudinal Study	 <b>Northern Ireland Statistics &amp; Research Agency</b>  Northern Ireland Longitudinal Study
Study sample	1% of the population of England & Wales	5% of the population of Scotland	28% of the population of Northern Ireland
Records from 2011 Census	580,000	~270,000	~500,000
Censuses in the study	1971, 1981, 1991, 2001, 2011	1991, 2001, 2011	1991, 2001, 2011
Academic user support	 <b>CeLSIUS</b> CENTRE FOR LONGITUDINAL STUDY INFORMATION & USER SUPPORT	 <b>SLS-DSU</b> SCOTTISH LONGITUDINAL STUDY DEVELOPMENT & SUPPORT UNIT	 <b>NILS-RSU</b> NORTHERN IRELAND LONGITUDINAL STUDY RESEARCH SUPPORT UNIT
Event data available	<p>Civil registration system</p> <ul style="list-style-type: none"> <li>• Births of sample members</li> <li>• Births to sample mothers</li> <li>• Stillbirths / Infant deaths</li> <li>• Deaths of sample members</li> <li>• Widow(er)hoods</li> </ul> <p>NHS Central Register</p> <ul style="list-style-type: none"> <li>• Immigration</li> <li>• Emigration</li> <li>• Minor events</li> </ul> <p>Cancer registries</p> <ul style="list-style-type: none"> <li>• Cancer data</li> </ul>	<p>Civil registration system</p> <ul style="list-style-type: none"> <li>• Births of sample members</li> <li>• Births to sample mothers</li> <li>• Births to sample fathers</li> <li>• Stillbirths / Infant deaths</li> <li>• Marriages</li> <li>• Deaths of sample members</li> <li>• Widow(er)hoods</li> </ul> <p>NHS Central Register</p> <ul style="list-style-type: none"> <li>• Immigration</li> <li>• Emigration</li> </ul> <p>Scottish Govt. Education Directorate</p> <ul style="list-style-type: none"> <li>• School level education data including attendance, exclusions, attainment and qualifications</li> </ul> <p>Other data available, subject to approval</p> <ul style="list-style-type: none"> <li>• Hospital episodes</li> <li>• Maternity data</li> <li>• Cancer data</li> </ul>	<p>Civil registration system</p> <ul style="list-style-type: none"> <li>• Births of sample members</li> <li>• Births to sample mothers</li> <li>• Births to sample fathers</li> <li>• Infant mortality</li> <li>• Deaths of sample members</li> </ul> <p>Health card registration system</p> <ul style="list-style-type: none"> <li>• Immigration</li> <li>• Emigration</li> <li>• Internal migration</li> </ul> <p>Land &amp; Property Services</p> <ul style="list-style-type: none"> <li>• Housing data</li> </ul> <p>Health &amp; Social Care</p> <ul style="list-style-type: none"> <li>• Health data linked in one-off distinct linkage projects (e.g. breast screening, dental treatments) subject to approval</li> </ul>

# What does CALLS do?

- Helpdesk facility for all 3 LSs: phone, email and web
- Promotion for LS activities, impacts and developments via Twitter and website
- Science & Policy Network (SPiNe)
- Facilitation of eDatashield analyses
- Information Resources

# Science & Policy Network (SPiNe)

- Working with senior representatives in policy, think tanks and third sector
- New working model for direct engagement with policy and practice
- Direct and traceable societal impact
- 28 members at present, including senior figures from all UK regional governments, think tanks and the voluntary sector

# eDatashield - Using more than one LS

- Until now analysis combining or comparing more than one LS was time-consuming, indirect, limited
- Due to restrictions on data movement between UK regions
- Prof Gillian Raab, SLS-DSU, has developed a methodology to overcome these barriers



# eDatashield

- Email Data Aggregation Through Anonymous Summary-statistics from Harmonised Individual Level Databases
- Allows GLM analyses to be conducted on more than one LS as though they are part of the same dataset
  - Comparison between UK regions
  - Creating UK-wide populations

# eDatashield

- Technique involves the exchange of non-disclosive summary statistics from each LS with a central Analysis Computer (CALLS)
- The component summaries are combined by the Analysis Computer and the results then returned to each RSU so that the next iteration may be performed
- In this way we can run complete models within a short space of time



CALLS-HUB

[Home](#) [About](#) [Support Units](#) [Outputs](#) [Guides & Resources](#) [News](#) [Events](#) [Blog](#) [Variables](#) [More](#)

CALLS - HUB comprises of three Longitudinal Study units:



# SLS-DSU

Scottish Longitudinal Study - Development & Support Unit

QUICK DATA DICTIONARY SEARCH

Keyword

SEARCH

Run a refined search to build a list of variables for use in your project application form.

## LATEST TWEETS



ADRN

@ADRN\_UK

RT @AcademicsSay  
"pic.twitter.com/VPUqxGdWxq"

Retweeted by CALLS

Show Photo

NCRM

@NCRMUK

Tell us your views: What are the strategically important methodolog. research needs in the UK?  
[shar.es/10v110](https://www.shar.es/10v110)

Retweeted by CALLS

Expand

2h

## Welcome to the website for the Census & Administrative data Longitudinal Studies Hub (CALLS-Hub).

Here you can find out more information about the three UK census-based longitudinal studies (LSs) and their support units [CeLSIUS](#), [SLS-DSU](#), [NILS-RSU](#)

- What data do the LSs hold?
- How to apply to use LS data in your research
- Using more than one LS dataset for your analysis

Outputs

Read the latest LS outputs:

User Guides

Before you begin take a look at

## RECENT NEWS

[LSCS announce release of synthetic data creation package 'synthpop'](#)

Longitudinal Studies Centre Scotland (LSCS) are pleased to announce the release of the first version of the R package 'synthpop' for generating... [Read more...](#)

[Census Research User Conference 2014 – call for papers](#)

The UK Data Service are currently calling for papers from researchers based on analysis of 2011 and earlier census products... [Read more...](#)

## UPCOMING EVENTS



# CALLS-HUB

CENSUS & ADMINISTRATIVE DATA  
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## Census forms

### Guides & Resources

Using more than one LS for your research

### Census forms

### Census forms for England, Wales, Scotland and Northern Ireland

The following census forms are available for download:

#### 1971 Census

Household form (H) (PDF 301KB) England  
Individual form (P) (PDF 1.1MB) England  
Household form (W) (PDF 2.5MB) Wales  
Individual form (Pw) (PDF 122KB) Wales  
Household form (C) (PDF 3MB) Wales (Welsh language)  
Communal Establishment form (L) - Comm Est (PDF 208KB) England & Wales  
Communal Establishment form (F) - HM Ships (PDF 196KB) England & Wales  
Communal Establishment form (S) - Vessels (PDF 709KB) England & Wales

#### 1981 Census

Household form (H) (PDF 1.1MB) England  
Individual form (I) (PDF 365KB) England  
Household form (W) (PDF 3.8MB) Wales  
Individual form (Iw) (PDF 378KB) Wales  
Communal Establishment form (L) (449KB) England & Wales

#### 1991 Census

Household form (H) (PDF 414KB) England  
Individual form (I) (PDF 1.1MB) England  
Household form (H) (PDF 2.2MB) Scotland  
Individual form (I) (PDF 2.1MB) Scotland

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### UPCOMING EVENTS

Scottish Longitudinal Study 2011  
Census Linkage Launch Event - NEW VENUE!

November 4, 2014 at Royal College of Physicians, Edinburgh

SLS Training Seminar - "Introduction to the Scottish Longitudinal Study (SLS)"

December 10, 2014 at New Register



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## FAQs

### Guides & Resources

Using more than one LS for your research

Census forms

Synthetic LS data

Useful documents

Applying to use the LSs

FAQs

### Who can use the data?

Currently academic researchers, government researchers, and non-governmental organisations may be able to use the LSs subject to approval. In order to use NHS data you will be required to complete additional application processes and training. [Contact us](#) for more information.

### Will I have to pay to use the LSs?

The LSs are funded by the ESRC and Statistical Agencies in order to be freely available to academic users. Non-academic research teams may be charged based on the time and complexity of the work being undertaken. A non-academic researcher please [contact us](#) to find out if you are allowed to use small levels of geography for your analysis.

### How can I find out whether the LS has the data I need?

On this site you can find out more about each RSU and LS, or held in the [core datasets](#). If you need more detail [contact us](#).

### At what level of geography can I analyse the data?

The level of geography you can use for your analyses will depend on the variables you are interested in. Great care should be taken with small cell sizes which may allow identification of households or individuals. You are allowed to use small levels of geography for your analysis.



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## Research Blog

### BSPS 2014 - views from the RSUs

Addition of GP registered postcodes will create new SLS research opportunities

Hear an interview with Adam Dennett on Census data and Synthetic Data

Are we becoming more migratory? ONS LS beta project features in The Economist

Press release - UK Longitudinal Study Unit Directors welcome Census 2021 announcement

AQMeN Advanced Methods Taster Event, 27th March 2014

UK LS Census Linkage Launch Event - slides and handouts

Synthetic Data for the UK Longitudinal Studies - SYLLS

British Society of Population Studies (BSPS) Conference, Swansea 2013

A Prezi Introduction to CALLS Hub

### BSPS 2014 - views from the RSUs

Rachel Stuchbury of CeLSIUS and Kevin Ralston of SLS-DSU share their reflections on this years excellent BSPS conference at the University of Winchester.

### BSPS 14 from the England & Wales perspective

Rachel Stuchbury, CeLSIUS

Four CeLSIUS staff attended BSPS and promptly dispersed among the six simultaneous sessions available - going to BSPS entails making hard choices among so many tempting possibilities. Did we sneak off and rubber-neck our way round beautiful Winchester at all? If so, we are certainly not going to admit it.

But you'll be asking - did we give any presentations? No, not one. We claim this is because we are worker bees rather than honey bees (and definitely not queens). OK, we did muster three posters between us. But personally I spent much time listening admiringly to my SLS and NILS colleagues, a dazzlingly bright lot and a shining example to the rest of us. How they get all that research done as well as supporting large numbers of user-led projects is a mystery.

In addition, of course, we CeLSIUS types sigh with envy at the expanding array of interesting data being linked to SLS and NILS, unlike the dear old LS which hasn't had a new type of data linked for many decades. (But watch this space, there are agents provocateurs at work.)

On the positive side I was also able to admire presentations of many LS projects

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## Journal Articles

[Search Outputs](#)

[Impact Case Studies](#)

[Seminar / Invited Talks](#)

[Working Papers](#)

[Research and Policy Briefs](#)

[Books & Book Chapters](#)

[Conference Papers & Posters](#)

[Journal Articles](#)

[Research Reports](#)

[Other Outputs](#)

### [A Life Course Perspective on Urban–Rural Migration: the Importance of the Local Context](#)

Stockdale, A. & Catney, G. (2014) Population, Space and Place, 20(1), 83-98. 1 January 2014. ISSN: 1544-8452 [NILS]

**Available online:** [Population, Space and Place](#),  
**Output from project:** 032

[View details...](#)

### [A Longitudinal Study of Migration Propensities for Mixed-Ethnic Unions in England and Wales](#)

Feng, Z., van Ham, M., Boyle, P. & Raab, G. (2014) Journal of Ethnic and Migration Studies, 40(3), 384-403. 4 March 2014. ISSN: 1369-183X [SLS][ONS LS]

**Available online:** [Journal of Ethnic and Migration Studies](#),  
**Output from project:** 2007\_016 (SLS), 30092 (ONS LS)

[View details...](#)

### [Association between Socioeconomic Factors and Cancer Risk: A Population Cohort Study in Scotland \(1991-2006\)](#)

Sharpe, K.H., McMahon, A.D., Raab, G.M., Brewster, D.H. & Conway, D.I. (2014) PLoS ONE 9(2), e89513. 27 February 2014. [SLS]

**Available online:** [PLoS ONE](#)  
**Download output document:** [Full paper \(PDF 212KB\)](#)  
**Output from project:** 2009\_005

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## A Life Course Perspective on Urban–Rural Migration: the Importance of the Local Context

Stockdale, A. & Catney, G. (2014) *Population, Space and Place*, 20(1), 83-98. 1 January 2014. ISSN: 1544-8452 [NILS]

### Other information:

#### Abstract:

The relationship between migration and age has long been established, and most recently, there have been calls for the inclusion of a life course perspective to migration research. In this paper, we explore Northern Ireland's internal migration patterns, and in particular, we test for the importance of urban to rural migration at different stages of the life course. Data from the Northern Ireland Longitudinal Study are used for the first time to analyse urban–rural migration patterns. The resulting modelling demonstrates unique aspects of urban to rural migration within Northern Ireland, which up until now have gone largely unreported.

Results from logistic regression modelling suggest that there is an age selectivity to urban–rural mobility but not necessarily at the life course stages predicted from a review of the life course migration literature. Individuals in younger age groups (at the household and family formation stages of the life course) are most likely to make an urban to rural move in Northern Ireland, with a decline in the likelihood of this move type with age. Possible explanations are offered linked to Northern Ireland's settlement hierarchy, rural planning policy, and family farming traditions. The findings challenge researchers to pay due attention to how migration processes may play out differently in varying geographical, social, and planning contexts and emphasise the importance of structural factors to explain migration patterns.

**Available online:** [Population, Space and Place](#),  
**Output from project:** [032](#)

### Outputs

#### Impact Case Studies

#### Seminar / Invited Talks

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# CALLS Hub website - coming soon

- Research Briefs
- Plain Language Summaries
- Impact Case Studies
- Synthetic data
- Enhanced Data Dictionary





## Data Dictionary

For full details about the variables, including restriction levels and category labels, please see the relevant RSU website:

[CeLSIUS \(ONS LS\) data dictionary](#)  
[NILS-RSU data dictionary](#)  
[SLS-DSU data dictionary](#)

### Your active list of variables:

Variable	LS Unit	Table
MELBPN10	SLS	C20
EDATEFP	ONS LS	IFPC

Clear all List Items

*An updated data dictionary interface will appear here soon. This new improved feature will offer more search options, as well as the ability to create and store an online variable list which can be downloaded to help when completing a project application form.*

Search the Data Dictionaries of all 3 LSs using the tools on the right. You can build a temporary list of variables by clicking on the + button next to each variable in your search results.

Your search has returned 108 results.

Showing 1-20 of 108

Variable	LS Unit	Description / Table Description	Table	+
MBCDOM0	SLS	1991 to 2001 Migration distance. 2001. 2001 Census - SLS Members	C20	+
MBCFLAG0	SLS	1991 to 2001 Migration flag. 2001. 2001 Census - SLS Members	C20	+
MELBPN10	SLS	Migration within or outwith education or library board. 2001. 2001 Census - SLS Members	C20	+
MGORPEW0	SLS	Migration and government area. 2001. 2001 Census - SLS Members	C20	+
MIGDOMA0	SLS	2001 Migration Distance. 2001. 2001 Census - SLS Members	C20	+

### SEARCH DATA DICTIONARY

Which LS Unit

Search all Units

- ☐ Search by Table
- ☐ Search by Variable name
- ☒ Search by Description

Description / Table Description

migration

SEARCH

### SEARCH BY TABLE:

This allows you to select from a list of available Tables. The list of Tables is filtered if a particular LS Unit is selected.

### SEARCH BY VARIABLE:

This automatically uses a trailing wildcard match to any term entered. Searching for 'adu' will therefore



# Data-dictionary

- wideopenspace now developing enhanced features for this
- Will soon have full variable metadata for all 3 LSs in a single searchable interface
- Similarity scores to assist in setting up multiple-LS research
- Ability to save and download lists of variables

# Data-dictionary

- Future developments to the data dictionary:
  - Basic frequencies for variable categories
  - Notes/advice from RSU staff
  - Syntax to assist with harmonising variables for cross-LS analyses

for more information please visit:

[calls.ac.uk](http://calls.ac.uk)

and follow us on Twitter:

[@CALLS\\_Hub](https://twitter.com/CALLS_Hub)

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