

Scotland's Census 2021 Outputs Strategy

What is Scotland's Census?

- **It's unique!** A household survey of everyone in Scotland, every ten years
- Paints a picture of the characteristics of our population
- **Planning is well underway for 2021**
- It's a huge exercise
- **We have one chance to get it right!**

The 2011 Census

- Demographics
- Health
- Housing and Accommodation
- Migration
- Education
- Labour Market

Scotland's Census 2011
Shaping our future

Household Questionnaire ^{HO}
27 March 2011

Official Use
CD ED Line Number

If there is a **mistake** in the printed address, please write your correct address below

House name / number
Street / Town / City
Postcode

Why the census matters
The census is the official count of every person and household in Scotland. It is held every 10 years and helps to plan our future public services.
Please fill in this questionnaire on, or around, Sunday 27 March. Please include everyone at this address. It shouldn't take long and you can fill it in online.
As a householder, you have a legal duty to fill in this questionnaire. If you don't, or if you supply false information, you may be fined up to £1,000.
Your personal information is protected by law and we will keep it confidential for 100 years.
Thank you for helping to shape Scotland's future.

Duncan Macniven
Duncan Macniven
Registrar General for Scotland

Need help?
 www.scotlandscensus.gov.uk
 Helpline 0300 123 1702
 Textphone 18001 0300 123 1703

Please fill in this questionnaire:
online at www.scotlandscensus.gov.uk
Enter the Internet Questionnaire Access Code:

You can fill in this questionnaire online in English or Gaelic.
Or
Fill in this paper version and post it back using the pre-paid envelope provided.

Declaration
I have filled in this questionnaire fully and accurately, as far as I know.
Signature:
Date:

Page 1

Users of the data

Wide variety of users:

- Councils (e.g. education, transport and equality monitoring)
- Health service
- Charity/ third sector
- Commercial / private sector
- Government
- Parliament
- Research
- Media
- Public



Key Timings for 2021

Census

- 2018 – NRS recommends questions to parliament
- 2019 – Census rehearsal
- 2021 – Census
- 2022 – First outputs from census

- We will continue to engage with users throughout this process

Background to today's event

- Builds on previous engagement work including the June 2017 statistical disclosure control and outputs event which explored:
 - The proposed changes to the statistical disclosure control methodology for 2021 in detail,
 - The potential uses and functionality of a flexible table builder
 - The potential changes to the census website
- Also linked to stakeholder engagement work on question development, as changes to outputs may impact on question design.

Introduction

- NRS have recently published the strategy for the dissemination of statistical outputs from the 2021 Census
- The strategy for 2021 is similar to 2011, but we will highlight and discuss the key differences during this event
- The document will be developed following stakeholder engagement and feedback
- This will support the production of outputs to meet user requirements

Summary of strategy

The strategy covers the following elements:

- Data Confidentiality
- UK harmonisation
- Meeting user needs
- Dissemination
- Flexible table builder
- Proposed release schedule

Data Confidentiality

- There is a legal requirement to protect statistical confidentiality
- We are planning to use a combination of targeted record swapping (used in 2011) and cell key perturbation (new for 2021)
- For more information see the presentation from our June 2017 SDC and outputs event or speak to us

UK Harmonisation

- UK National Statistician, Registrar General for Scotland and Registrar General for Northern Ireland released a 'Statement of Agreement' in October 2015 on the conduct of the 2021 censuses.
- This recognised that census outputs should constitute consistent, coherent and accessible statistics for the UK and individual countries.
- We continue to work on this with ONS and NISRA and are looking into making UK data more readily available, possibly through the use of an API.

Dissemination

- The website will be the main platform for results dissemination and will be redesigned to make it more user friendly
- Metadata will be incorporated into all outputs
- The number of standard tables will be reduced (change from 2011)
- A flexible table builder to allow users to create their own tables (new for 2021)
- Change in the order outputs are released as a result of the introduction of the flexible table builder and the cell key perturbation.

Any Questions?

Flexible Table Builder

- Allows users to create their own tables
- Demonstrated at the event in June 2017
- Reduce the need for standard tables and commissioned requests.
- We will still have a commissioned table service for things that cannot be created using the flexible table builder



Search this site

Search

Help

Home > Outputs > Table Builder

Variables

- Age
 - Single Year of Age
 - 5 Year Age Bands
 - 10 Year Age Bands
 - Custom Age Bands
- Sex
- Marital Status
- Health
 - Very Good
 - Good
 - Fair
 - Bad
 - Very Bad
- Disability
- Economic Activity
- Religion

Pre-defined Tables

Geography

- Scotland
- Council Area
- Datazone
- Healthboard
- Datazone
- Output Areas



**Scotland's
Census**
Shaping our future

Search this site

Search

Help

Home > Outputs > Table Builder

Cell count: 90 Maximum table size: 5,000,000 cells

Variables

- Age
 - Single Year of Age
 - 5 Year Age Bands
 - 10 Year Age Bands
 - Custom Age Bands
- Sex
- Marital Status
- Health
 - Very Good
 - Good
 - Fair
 - Bad
 - Very Bad
- Disability
- Economic Activity
- Religion
- Ethnicity

Geography

- Scotland
- Council Area
- Datazone
- Healthboard
- Datazone
- Output Areas

		Health ?					
		Total	Very Good	Good	Fair	Bad	Very Bad
Age ?	Total						
	0 to 4						
	5 to 9						
	10 to 14						
	15 to 19						
	20 to 24						
	25 to 29						
	30 to 34						
	35 to 39						
	40 to 44						
	45 to 49						
	50 to 54						
	55 to 59						
	60 to 64						
	65 to 69						
	70 to 74						
75 to 79							
80 to 84							
85 and over							

[Metadata - Age](#)

[Metadata - Health](#)



Scotland's
Census
Shaping our future

[Home](#) > [Outputs](#) > Table Builder

Variables

- Age
 Single Year of Age
 5 Year Age Bands
 10 Year Age Bands
 Custom Age Bands
 Sex
 Marital Status
 Health
 Very Good
 Good
 Fair
 Bad
 Very Bad
 Disability
 Economic Activity
 Religion
 Ethnicity

Geography

- Scotland
 Council Area
 Datazone
 Healthboard
 Datazone
 Output Areas

		Health [?]					
		Total	Very Good	Good	Fair	Bad	Very Bad
Age [?]	Total	222793	120881	69997	23263	6696	1956
	0 to 4	11512	9428	1890	157	23	14
	5 to 9	9172	7760	1255	133	20	4
	10 to 14	9401	7839	1360	165	22	15
	15 to 19	14692	11085	3111	423	64	9
	20 to 24	23207	15884	6337	822	132	32
	25 to 29	21216	13950	6197	891	156	22
	30 to 34	17037	10667	5155	940	217	58
	35 to 39	14742	8452	4860	1032	324	74
	40 to 44	14831	7935	5081	1292	418	105
	45 to 49	15405	7460	5746	1514	537	148
	50 to 54	14302	6306	5435	1790	590	181
	55 to 59	12791	4863	5096	1876	745	211
	60 to 64	12454	3766	5363	2309	767	249
	65 to 69	8526	2173	3780	1838	537	198
70 to 74	7716	1614	3436	1988	526	152	
75 to 79	6694	923	2777	2228	586	180	
80 to 84	4986	503	1853	1913	558	159	
85 and over	4109	273	1265	1952	474	145	

[Metadata - Age](#)

[Metadata - Health](#)

SDC has been applied to this table so totals may not sum. Click [here](#) for more information.

Standard Tables for 2021

- Aiming to produce less in 2021 as users will be able to create their own tables
- Aim to produce standard tables for most output variables by age and sex
- Small number of other cross tabulations
- Over 400 standard tables in 2011

Discussion

- Will this meet your needs?
- Are there any other tables you would like to be produced as standard?
- Will the reduction in standard tables have a significant impact on your work?

Release Schedule

Date	Topic
March 2022	First release: Summary population tables by age, sex and Council Area
Autumn 2022	Unrounded and unperturbed population statistics by a range of topics and council area
Winter 2022/23	Predefined tables by topic, age and sex for all unchanged/largely unchanged questions for all standard geographies to output area
March 2023	Final predefined outputs for new questions by topic, age and sex for all standard geographies down to output area
Autumn 2023	Microdata and origin destination data
2024	Workplace and daytime populations

Exact timings and content subject to statistical disclosure control and UK harmonisation considerations

What's the same?

- Still have first release of rounded population by age and sex at council area
- Provide standard tables on the Scotland's Census website
- Provide commissioned table service
- Still provide specialist products such as microdata

What's changing?

- 2011: Univariate then multivariate tables
- 2021: Univariate and multivariate tables at the same time
- Allow users to create their own tables

What's still under consideration?

- Exact timings of releases and UK harmonisation
- Statistical Disclosure Control (SDC)
The details of the SDC methodology are still being evaluated

Discussion

- Will the order and timing meet your needs?
- Are there any specific items whose priority you think should be changed?
- Do you anticipate any timing issues with respect to your organisations needs?

Variable Breakdowns

- In 2011 output responses were largely based on tick boxes
- In 2021 look at the size of responses within the write in box
- Propose a threshold (say 5,000, though this will vary by variable) for the minimum number of responses and include categories above this threshold that pass disclosure constraints.
- Some responses may be grouped together depending on conversations with the relevant stakeholder groups

Language

Language (Flat)   	All people aged 3 and over	English only	Gaelic	Scots	British Sign Language	Polish	Other
Age    							
Total	5,118,223	4,740,547	24,974	55,817	12,533	54,186	230,166

All people aged 3 and over	5,118,223
English only	4,740,547
Scots	55,817
Polish	54,186
Gaelic	24,974
Urdu	23,394
Punjabi (Not otherwise specified)	23,150
Chinese (Not otherwise specified)	16,830
French	14,623
British Sign Language	12,533
German	11,317
Spanish	10,556
Arabic	9,097
Italian	8,252
Cantonese	7,486
Russian	6,001
Other languages	99,460


Ethnic Group

Ethnicity	All people	White	White: Scottish	White: Other British	White: Irish	White: Gypsy/Traveler	White: Polish	White: Other White	Mixed or multiple ethnic groups
Scotland	5295403	5084407	4445678	417109	54090	4212	61201	102117	19815
Asian, Asian Scottish or Asian British	140678	49381	32706	3788	33706	21097	29638	29186	452
Caribbean or Black	6540	3430	2380	730	14325	9366	4959		

Proposed Breakdown of Other White

Ethnic Group	Population
White	5,084,407
White Scottish	4,445,678
White Other British	417,109
Irish	54,090
Gypsy/ Traveller	4,212
Polish	61,201
Other White	102,117
Other Western European	28,403
Other Eastern Europe	11,210
North American	10,291
Baltic States	8,606
Italian	5,901
Australian/New Zealander	5,466
Other	32,240

Religion

Scottish Council Area 2011  ⋮	<u>Scotland</u>
Religion (Scotland)  ⬅️ ⋮	⬅️
All people	5,295,403
Church of Scotland	1,717,871
Roman Catholic	841,053
Other Christian	291,275
Buddhist	12,795
Hindu	16,379
Jewish	5,887
Muslim	76,737
Sikh	9,055
Other religion	15,196
Not stated	368,039
No religion	1,941,116

Church of Scotland	1,717,871
Roman Catholic	841,053
Other Christian (including Christian related)	291,275
Church of England	66,717
Christian	36,208
Baptist	26,224
Episcopalian	21,289
Protestant	16,609
Evangelical	13,229
Pentecostal	12,357
Methodist	10,979
Free Church of Scotland	10,896
Jehovah's Witness	8,543
Scottish Episcopal Church	8,048
Orthodox Church	6,057
Brethren	5,583
Church of Jesus Christ of Latter Day Saints (Mormons)	4,651
Anglican	4,490
Salvation Army	4,100
Presbyterian	3,553
Non Denominational	2,872
Lutheran	2,184
Congregational Church	2,078
United Reform Church	2,021
Church of Ireland	2,020
Independent	1,933
Church	1,909
United Free Church of Scotland	1,514
Greek Orthodox	1,502
Religious Society of Friends (Quakers)	1,339
Free Presbyterian	1,197

Other Religions	136,049
Muslim (Islam)	76,737
Hindu ²	16,327
Buddhist	12,795
Sikh	9,055
Jewish	5,887
Pagan	3,467
Spiritualist	3,396
Mixed Religion	1,774
Wicca	949
Spiritual	799
Baha'l	459
Taoist	326
Druid	245
Rastafarian	220
Believe in God	216
Scientology	188
Satanism	171
Own belief system	152
Heathen	150
Pantheism	135
Chinese religion	123
Ravidassia	108
Jain	106
Shamanism	92
Zoroastrian	86
Witchcraft	81
Deist	74
Universalist	73
Occult	67
New Age	66
Traditional African religions	60

Religion category	Scotland
All people	5,295,403
Church of Scotland	1,717,871
Roman Catholic	841,053
Other Christian (including Christian related)	291,275
Church of England	66,717
Christian	36,208
Baptist	26,224
Episcopalian	21,289
Protestant	16,609
Evangelical	13,229
Pentecostal	12,357
Methodist	10,979
Free Church of Scotland	10,896
Jehovah's Witness	8,543
Scottish Episcopal Church	8,048
Orthodox Church	6,057
Brethren	5,583
Other Christian	48,536
Other Religions	136,049
Muslim (Islam)	76,737
Hindu	16,327
Buddhist	12,795
Sikh	9,055
Jewish	5,887
Other Religions	15,248
No Religion	1,941,116
Religion Not Stated	368,039

Possible Groupings

Pagan	5,194	Episcopalian	29,337
Pagan	3,467	Episcopalian	21,289
Wicca	949	Scottish Episcopal Church	8,048
Druid	245	Presbyterian	5,289
Heathen	150	Presbyterian	3,553
Pantheism	135	Free Presbyterian	1,197
Shamanism	92	Evangelical Presbyterian Church	313
Witchcraft	81	Free Presbyterian Church of Scotland	132
Animism	44	Reformed Presbyterian Church	57
Reconstructionist	31	Free Presbyterian Church of Ulster	14
		Scottish Presbyterianism	12
		Presbyterian Church in Ireland	11

Finally

- Thank you for all your contributions today
- If you have any further questions, please speak to us or email scotlandscensus@nrscotland.gov.uk