## **Use of Census Data**

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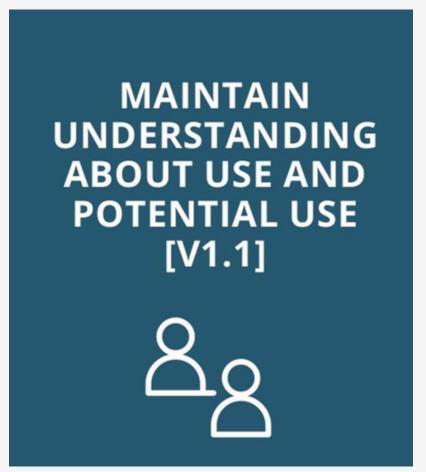
16 September 2024





# Why is it important to understand the use of census data?





# When should you understand the use of census data?





# How do you understand the use of census data?

We ask these questions:

- Is anyone using the data?
- Who is using the data?
- How are they using the data?
- What are they using the data for?

### Data Collection and User Engagement

- Meetings
  - One to one meetings, interviews Find Activities We Asked, You Said, We Did About
- Events
  - Seminars, presentations, webinars, round table
- Surveys
  - Online, feedback mechanisms, questionnaires, spreadsheets
- Consultations
  - Large questionnaires run over a period of time
- Web-metrics
- Queries
- Citations

The Office for National Statistics (ONS) ran a consultation from 29 June 2023 to 26 October 2023 on the Future of Population and Migration Statistics in England and Wales. It was designed to provide us with information on how people currently use our population and migration statistics. It also captured user feedback on our proposals for future development of these statistics. For

Feedback updated 14 Dec 2023

further details, please see our consultation document.

Contact
01329 444972
2023consultation@ons.gov.uk

Closed 29 Oct 2023

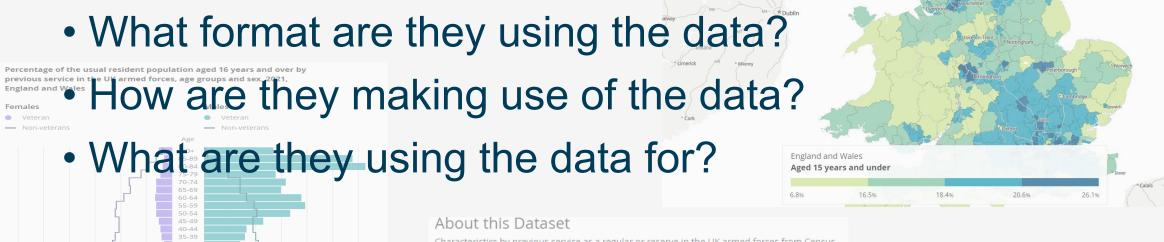
Opened 29 Jun 2023

#### Types of users

- Stakeholder types or classifications
  - Government users (Central and Local Government)
  - Public bodies
  - Private sector
  - Academics
  - Third sector (charities and think tanks)
  - Umbrella organisations (representing smaller groups or individuals)
  - Individuals (Census respondents)
- External and Internal users

How are they using the data and what are they using the data for?

How is the data being accessed?



About this Dataset

About this Dataset

Characteristics by previous service as a regul

2021.

Source: Office for National Statistics – Census 2021

Embed code

Download the data

.xlsx

About this Dataset

Characteristics by previous service as a regul

2021.

Edition in this dataset

2021 edition of this dataset



### How do you process and store the information?

- Meeting notes
- Meeting recordings
- Emails
- Survey or consultation response forms



- Spreadsheets
- CRM/Databases
- Documents

### How often do you collect this information?

#### How the census is created and developed

The census involves a lot of planning, research and testing. We have more detailed information on:

- how the census questions are developed
- how we run, process and quality assurance the census
- how we test the census
- · what products we plan to produce from Census 2021 data
- the legislation and policy behind the census
- how we work with Scotland and Northern Ireland to produce UK statistics
- stages involved in organising Census 2021









**Sharing what you know!** 



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https://www.ons.gov.uk/peoplepopulationandcommunity/populatio... •



There are many benefits associated with **Census** 2021 in relation to reusable functionality, from census collection through to dissemination. The census **benefits** project will be specifically...

#### Methods

The Office for National Statistics (ONS) will be assessing the benefits of Census ...

#### 2011 Census benefits evalua...

To evaluate the actual benefits achieved from the 2011 Census, we met with a ...



Office for National Statistics

### **Example: Census Benefits Data Collection**

- Understand the use of Census 2021 data within selected user groups: Central Government, Local Government and Private Sector.
- Contacts within each of those user groups/representation of sectors.
- Meetings arranged with Central Government and Private Sector
- Workshops arranged with Local Government

#### **Example: Census Benefits Data Collection**

- Documents sent in advance to allow for preparation
- Semi structured interview style and Q&A
- Meeting recorded and notes taken
- Final record of the meeting agreed
- Charting and logging
- Summary of the use of census data organised into user type and type of use
- Benefit identified and value calculated
- Going forward: surveys, desk-based research and further meetings

#### Assessing the Benefits of Census 2021 data- Department for Education Notes of meeting 220623

Present:

Emily Knipe (ONS)
Kerry Earnshaw (ONS)

Ian Knowles (DfE)

Apologies: Laura Selby (DfE)

#### Policy Research

The uses for policy research outlined in the forecast benefits are quite old (first captured as part of the post-2011 work). Although census data might be used in the sampling frame, little other reliance outcomes data was identified, children and parents would be sampled from the National Pupil Database which comes from school census collections. This database existed when the evidence was collected, so this does not reflect a change in the sources of data used; it is unlikely that census data rather than school census data were ever relied upon, and may reflect a mistake or misunderstanding in the original survey response from the department.

It was confirmed that although we are looking to validate the forecast, if these uses are outdated or incorrect then our priority is to understand what, if any, current uses of census data exist within DF policy research and to reflect these in our benefit calculations. Any incorrect uses will be removed.

Action: IK to go back to research team to verify whether there are genuine uses of Census 2021 data, rather than the school census data. If they do, then further discussion may be required re the value of this research and analysis, how much of this value might be attributable to census data and what would be done if this data were not available.

Table 3: Data uses and methods used to calculate total benefit values of 2011 Census data, 2011 to 2012

Title of use	Description	Method		
Central government: macroeconomic policy making	The Bank of England uses population estimates (particularly of the working age population) to inform economic policy making, including the setting of interest rates.	Without the census, there would be deterioration in the quality of population estimates which could lead the Bank Of England to make a different (suboptimal) decision on interest rates than they otherwise would (given accurate data). The benefit of the census is the cost avoided to the economy of this occurring. This is very hard to estimate. We assumed there was a 50% chance of a 0.25% error in interest rates for one year in every 25 years.		
	Census data are used to inform policy making by the Welsh Government and across central government departments including:	Estimated using various methods. These include estimates of the costs saved through less delay to		
Central	Department for Transport	the delivery of transport schemes which rely heavily		
government: policy making (social/other)	Government Equalities Office     Department for Education     Department of Health	on small area data to assess the social and distributional impacts of transport interventions It's especially important for the use of data to		
	Department	identify groups who may suffer from poor		
	for Environment Food & Rural Affairs • Department for Work and	accessibility.		
	Pensions			

Use of Data	Value of Data	Counterfactual	Qualitative evidence/long tail	Requires follow up
Value of research dependant on census data				
Although census data might be used in the sampling frame, Ettle		Children and parents would be sampled from the National Pupil	If minor use is identified, for example to sense check a sampling frame	Action: IK to go back to research team to verify whether there are
other reliance on census data was identified.		Database, which comes from school census collections. This	drawn from NPD data against a particular characteristic, this would still	genuine uses of Census 2021 data, rather than the school census
		database existed when the evidence was collected, so this does	be counted. It was agreed, however, that it would not be reasonable to	data. If they do, then further discussion may be required re the value
		not reflect a change in the sources of data used; it is unlikely that	attribute 100% of the value to Census 2021 data in this circumstance.	of this research and analysis, how much of this value might be
		census data rather than school census data were ever relied	Depending on the extent of reliance on the data, we might attribute a	attributable to census data and what would be done if this data were
		upon, and may reflect a mistake or misunderstanding in the	portion of the value, as has been done in the assessment of some other	not available.
		original survey response from the department.	benefits, or we might consider it too small to quantify and just wrap it	
			up into a long tail of benefits that are harder to quantify. If the value of	
			census data is quantified, it may be useful to consider the time or cost of	
			sourcing alternative data, or the additional risk carried as a result of not	
			having census data.	
	For those evaluation pilots outlined in the forecast, we			Action: IK to identify if any current or planned evaluations will
	assume those are past and so would not have made use of			use 2021 Census data, and if so, how? The value attribution for
	Census 2021 data.			this use can then be discussed.
In terms of evaluations, the NPD provides pupil related				
information and pupil home address but not the characteristics				We have had some feedback regarding the figures for funding
of the parent beyond does the child have eligibility for free				allocation. Unfortunately, we are still waiting for responses regarding
school meals. In some cases, there may be a need to link to				the genuine use of census data and upcoming evaluations Any
national census data, but there may not.				information received has been recorded
Complaints and Appeals				
IK confirmed that census data is used for pupil projections but	Unlikely that they would be related to use of the census			
had reservations about the rationale for the benefit identified.	data or not; appeals can happen even when census data are			
	used, if an LA does not agree with the census data.			
Teacher training				

Benef Numb	Type of Ben V	Category of Ben	Departmen Sector	Benefit ~	Description $iguplus$	Data Source 🖳	Starting Value for Benefit Estimatio	available data
	Central Government	Policy Research	D/E		Census data is used in the sampling frame to	Department completed a survey in 2012-13 identifying public policy research that is dependent on Census data.	£12,211,000.00	2012-13
IAK	Central Government	Policy Research	D/E	Complaints and Appeals	complaints and business cases on appeals about	BY2011 Data Source - could not find as part of FBC refresh	£100,000.00	2013-14
IAI.	Central Government	Evidence Based Investments	D/E	Teacher training	of the value the data has in this decision process	Data has been provided through consultations with Department (led by Deloitte in 2017/18)	£400,000,000.00	2013-14



# **Example: Future of Population and Migration Statistics Consultation**

- Understand the use of Census 2021 data to inform the user needs for any future statistical system
- Consultation for 17 weeks
- Pre-engagement
- Questionnaire online
- Events, meetings, round tables, media, social media, emails, newsletters etc
  - Meeting notes and recordings

## **Consultation questionnaire:**

What sector does the organisation belong to? Required	Your po	pulation and migration statistic	al needs	
Central government	1a. Please ex	xplain how you currently use ONS population ar	nd migration	
Devolved administration	statistics.			
Local government				
Other public body, for example health, transport, or emergency services				
Academia or research				
Religion or faith				
Charity or voluntary		out the consultation document we have outlined our		
Business, industry or commercial	_	ur population and migration statistics, with detail pro- ent do these proposals meet your needs?	ovided in Section 3.	
Journalism or media		posals meet all of my needs		nonths, approximately how often have you used or referred
Think tank	The prop	oosals meet some of my needs	to statistics fro	om the ONS?
No sector, I am responding in a personal capacity	The prop	oosals do not meet any of my needs	Daily	
Other			A few times	a week
			A few times	a month
Which of these geographies do you mainly use ONS population s	tatistics		A few times	a year
<b>for?</b> If you use more than one, please select all that apply.			Less freque	ntly than a few times a year
England and Wales			Never	
Wales only				
England only			What do you c	urrently use the ONS's population statistics for?
UK-wide			Academic re	esearch
None of these			Service prov	vision or business planning
None of these			Personal us	e
			Public policy	<b>V</b>
			Other	,

### **Example: UK Statistics Authority (UKSA)**

#### We want your feedback

If you use the England & Wales and or Northern Ireland Census 2021 outputs, we would very much welcome your feedback on these statistics, including their strengths and potential areas for improvement, via our <u>online survey</u>.

Our questionnaire focuses on the following themes:

- Output delivery: We would like to get users' perspective on the timings, timeliness and communications of the Census 2021 outputs.
- Outputs: We would like to understand which Census 2021 outputs users used and the extent to which users' needs (coverage, breakdowns, and additional data etc) were met.
- Accessibility: We would like to know how easy or difficult users found accessing and using the Census data, as well as navigating the ONS and NISRA websites.
- Quality and methodology: We would like to know to what extent users are satisfied with the quality of the statistics, as well as the methodological information provided alongside Census 2021 outputs.
- User engagement: We would like to know about users' experience of engagement and communication conducted by ONS and NISRA about the Census 2021.
- Impact of Covid: We'd like users to share their experiences of the impact of the pandemic on their use of the Census 2021 data, as well as their thoughts on the communication and engagement conducted by ONS and NISRA about the impact of the pandemic on Census 2021 outputs.

If you would prefer to provide us with your feedback via email or if you have any questions then please contact our assessors via <a href="mailto:regulation@statistics.gov.uk">regulation@statistics.gov.uk</a>.

We look forward to receiving your survey response by 16th August 2024, 11pm.

#### **Considerations**

- Data protection and privacy
- Stakeholder burden and fatigue
- Coordination of data collection
- Non-response or gaps in data collection
  - Coverage
- Inappropriate use of census data
- Sentiment
- Cost of consulting and processing

#### **User need**

- 'Use' versus 'User Need'
- Build on understanding the 'Use' to understand 'User Need'
- Best use and value of the data
- Inform improvements and developments
- Competing 'User Need' and priorities
  - Ranking and scoring/Prioritisation
- Service Manual Users and User Needs.

### **Example: Census 2021 Topic Consultation**

News and reports

26 June 2020, <u>Armed Forces Community (veterans) — Census 2021 question development report</u>.

This report provides information on our research on the armed forces community topic for the 2021 Census.

19 October 2017, <u>Update on meeting information needs on the armed forces community (veterans)</u>

This note provides an update on our research on the armed forces community topic for the 2021 Census.

June 2017, <u>Update on meeting information needs on the armed forces community (veterans)</u>

This note provides an update on our research on the armed forces community topic for the 2021 Census.

27 February 2017, <u>Updated news on requirements for information on the armed forces</u>

The Office for National Statistics (ONS) and the Ministry of Defence (MoD) have been working together to meet user needs for data about people who have served in the UK armed forces and their dependents. On 8 November 2016, we held a workshop to better understand the user need for the data. Since then, we've met regularly to find the best way to meet that need. This report provides an update on progress towards meeting user needs for data on the armed forces community.

9 January 2017, Armed forces workshop: summary of discussions

• UK armed forces veterans – user need for data

• 2015 consultation – user need for 'Military veterans' information.

- 2017 'Armed forces community' Evaluation
   score = low not recommended for collection
  - Commitment to review other sources and link administrative data
- Continued to monitor and collect user need, explore other sources and question testing
- Final Decision: to include a question on previous service in the UK armed forces.

## **Contact Details:**

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16 September 2024



