

Beyond 2011 Programme

**Migration Statistics User Forum,
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Statistical Options Development

Overview

- Reminder - the National Statistician's recommendation.
- Developing future work plans.
- Research strategy.
- Timeline.

National Statistician's RECOMMENDATION

- An **online census** of all households and communal establishments in 2021 - with support for those who are unable to complete the census online.
AND
- Increased use of **administrative data and surveys** in order to enhance the statistics from the 2021 census and improve annual statistics between censuses.
 - Make the **best use of all available data** to provide the population statistics required
and
 - offer a **springboard to** the greater use of administrative data and annual surveys in **the future**.

The evidence

- ① Statistical research - population estimates
- ② Statistical research - population characteristics
- ③ Public acceptability
- ④ Data linkage methods
- ⑤ Legislation
- ⑥ Independent review - Skinner and international review
- ⑦ Public discussions and the consultation

Beyond 2011 Programme conclusions

- Huge potential for use of administrative data
 - But not there yet
- Way forward agreed with Government
 - Online Census in 2021
 - With increased use of administrative / survey data
- Government ambition that 2021 Census should be the last
 - subject to evaluation of alternatives in 2021

Census Transformation Programme

Developing Future Work Plans

Three key strands going forward

1. 2021 online Census operation

- Research, development, implementation & operation of a 2021 online Census
- Maximise online response, minimise digital exclusion

2. Integrated population statistics outputs

- Integration of census, admin & survey data
 - => Production of more detailed and more frequent outputs
- Early benefit 2015 onwards: pop estimates and characteristics

3. Beyond 2021

- Ongoing development of new methods using administrative data and surveys
 - Evaluation against 2021 census outputs
- Dependent on data access and data quality

1. 2021 census operation strand

- Online collection and implications
 - Digital exclusion, revised field roles etc.
- Modernisation of field processes
 - Field technology?
 - Email contact?
 - Postal reminders?
 - Etc.
- Enhanced use of admin data in data collection
 - Address register enhancements
 - Field operation targeting and management

2. Integrated outputs strand

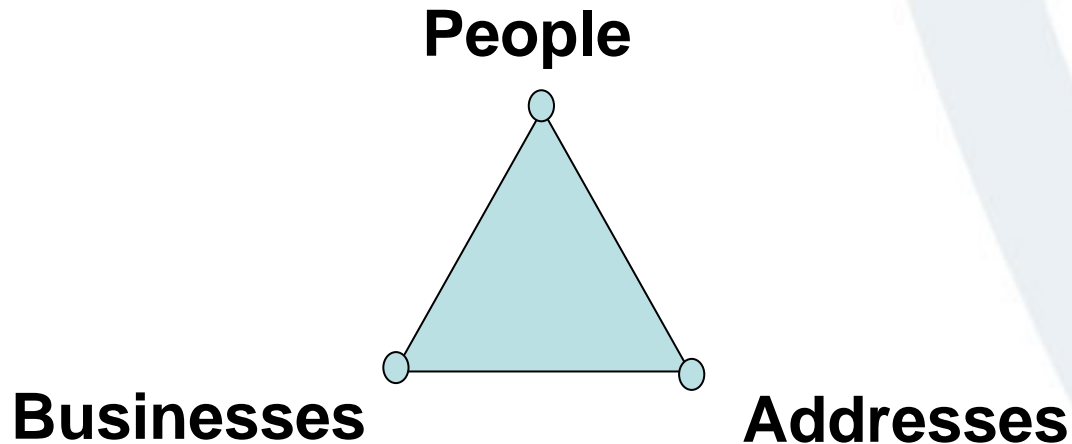
- Data integration - linkage, storage etc
- Enhancement of census records using admin data
 - Item imputation?
 - Person imputation?
- Production of enhanced census / pop stats outputs
 - including additional attributes from admin data?
 - improved accuracy, frequency and detail
- Early trial outputs
- Research into output production & dissemination

3. Beyond 2021 strand

- Ongoing review of 'Integrated outputs' strand
- Research into the potential & need for new surveys after 2021
- Benchmarking new methods
- Proposals for the future of the census and population statistics beyond 2021

Range of options

- Ad hoc, piecemeal linkage through to
- Full integration of all sources, through time



- c.f 100% LS?

In scope

Across all strands:

- Research into optimal privacy provisions
- Ongoing development of case for data sharing legislation
- Address Register development (with OS)
- England and Wales
 - But close links with parallel programmes in Scotland and Northern Ireland

So in practice ...

- Future gazing/research into the population statistics system by 2031
 - Ensure we aren't blinkered in our research now
- Build evaluation into 2021 census and tests
 - Especially coverage, accuracy, time lags
 - For different address types / population subgroups
 - Minimise / manage circularity of using admin data
- Start research early, using 2011 census, admin and survey data
- Seek to improve admin data at source
 - Address standards/referencing, definitions, topics, timeliness

Research, design and prototyping Strategy

- Developing 3 year programme as part of wider 10 year plan
 - Key research issues and questions
 - Integrated plans to answer these questions
- Joint research academics, GSS, internationally
 - Opportunities for partnerships
 - Joint working groups on key research topics
- Publish research work plan later this year
- Publish trial outputs/statistics and research findings each year
- Annual research conference
- Extensive independent assurance
- Field tests and prototyping (assuming major field test in 2017)

Eight programme phases

1. Research (Jan 2011 – Mar 15)
2. Design and prototyping (ends Dec 2016)
3. Testing (2017)
4. Development (2018)
5. Rehearsal (Jan 2019 – Jun 2020)
6. Collection operations (Jul 2020 – Dec 2021)
7. Analysis, output and dissemination (22-23)
8. Evaluation / future planning (23-24)

Phase 2 activities (Design and Prototyping)

	Design Projects	Workpackages (delivered by Integrated Project Teams (IPTs))
Strand 1 - 2021 Census Data Collection Operations	Frame	Address Register (AR)
	Census & CCS Data Collection	<p>Enumeration</p> <p>HTC (HC) Communs (CE) Design Collection Instruments (CL)</p> <p>Field Force Operations (FO) Public Support (PS)</p>
Strand 2 - Integrated Population Statistics Outputs	Admin Data Collection	Collection Implementation (CI)
	Integration & Processing	<p>Statistical Processing (SP)</p> <p>2021 Census (2C) Enhanced Outputs (EO)</p> <p>→ Process Implementation (PI)</p>
	Analysis and Dissemination	<p>User Needs (UN) ↔ Disclosure Control (DC) → Outputs & Dissemination (OD)</p>
Strand 3 - Beyond 2021	Beyond 2021 Research & Design	Beyond 2021 (B2)
Strategy & Design	Strategy & Design	<p>Quality Strategy</p> <p>Design Principles Statistical & Technical Inc Legal & Ethical</p> <p>Geography Strategy & Requirements</p>
		<p>Business Process Model (BPM)</p> <p>Data Management</p> <p>Service Architecture</p> <p>Testing Strategy</p> <p>Management Information</p> <p>Communications Strategies</p> <p>Process Control</p> <p>Sourcing & Procurement Strategy</p>

Planning milestones for the next 10 years

