

Census Data Enhancement (CDE)

...integrating unit record data from
the Census with other ABS and
non-ABS datasets to create new
datasets for statistical and research
purposes

Objective

- deliver significant public benefits without compromising the privacy of individuals or the confidentiality of their data

Intentions

- The Australian Statistician announced his intention to proceed with the CDE project in August 2005 after extensive discussion and consultation
- An update on the CDE project for the 2011 Census was released in October 2010 (2062.0 Census Data Enhancement Project: An Update)

2006

- encompassed three components
 - Creation of a Statistical Longitudinal Census Dataset (SLCD)
 - Bringing together 2006 Census data with ABS and non-ABS datasets using name and address for quality studies
 - Bringing together the 5% SLCD with specified non-ABS datasets

Key Benefits

- The 2006 CDE realised 5 key benefits
 - Significant improvements in life tables for Indigenous Australians
 - Improved methodologies for statistical linking and quality assessment
 - It is feasible to create a 5% SLCD
 - It is feasible to automate matching of the PES to the Census
 - It is feasible to link DIAC's Settlement database with the 5% SLCD

2011 Intentions

- Bringing together 2011 Census data with a small number of predetermined datasets during Census processing using name and address
 - For quality studies
 - For statistical studies

2011 Intentions cont.

- Wave 2 of a 5% SLCD
- Bringing together the SLCD with other datasets without using name and address for statistical and research purposes
- Bringing together 2011 Census data with other datasets without using name and address after Census processing

2011 Quality studies

- Census 2011 Dress Rehearsal to 2011 Census (benchmark study for 5% SLCD)
- 2011 Census to DIAC's Settlement database
- 2011 Census to
 - school and early childhood education student enrolment data
 - a sample of student data from the National Assessment Program; and
 - to the Australian Early Development Index
 - related to an overall strategy for the Australian Longitudinal Learning Database (early childhood enrolments, NAPLAN, AEDI)
- 2011 Census to a WA 'Enhanced' Mortality dataset

2011 Statistical studies

- Two data integration studies linking non-ABS data to the Census using name and address, to create statistical outputs
 - Indigenous Mortality Project
 - Enhancing Australia's Cancer Statistics Project

Indigenous Mortality

- Australian Government's Closing the Gap strategy
- Improve estimates of Indigenous life expectancy
 - by adjusting for differences between death registrations and Census
- Provide input into the compilation of Indigenous life tables, life expectancy estimates and Indigenous/non-Indigenous differences in life expectancy and other mortality measures
- Death registrations key input
 - Most Indigenous deaths registered
 - for some Indigenous status not correctly identified

Wave 2 SLCD

- Wave 1 (5% sample 2006 Census) will be linked to Wave 2 (5% sample 2011 Census) without using name and address
- A non-identifying grouped numeric code based on name information will be created for the 5% Wave 2 of the SLCD
- Wave 3 (5% sample 2016 Census) will be linked to Wave 2 using standard Census output variables plus the grouped code

2011 SLCD projects

- Bringing together the SLCD with other datasets without using name and address for statistical and research purposes
- It is not intended to bring the 5% SLCD together with ABS household survey data

2011 Census and other datasets (without name & address)

- All projects will require approval of the Australian Statistician
- Must have significant community benefit

Indicative timeline

- 9 August 2011 – Census night
- April 2012 – first full Census file
 - Education quality study can begin
 - Immigration quality study can begin
 - Cancer statistical study can begin
- November 2012 – Census Data Processing Centre Shuts down
 - Final month of mortality data available for Indigenous Mortality project available around November
- Late-2013 – release of 5% SLCD