Challenges and opportunities for official demographic statistics

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Challenges and opportunities

- Improving or maintaining quality/performance
- Increasing disaggregation available
- Increasing frequency
- Improving timeliness
- Meeting emerging needs / filling data gaps
- Improving access
- Improving efficiency
- Direct measurement (rather than indirect)
Evaluating new data sources

<table>
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<tr>
<th>Criteria</th>
<th>Ideal and minimum requirements</th>
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<td>Population and coverage</td>
<td>Conceptually appropriate Universal coverage</td>
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<td>Data content</td>
<td>Key disaggregations Supporting variables</td>
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<td>Geographic level</td>
<td>Key disaggregations</td>
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<td>Consistency</td>
<td>No or measurable data definitional changes over time.</td>
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<td>Timeliness and periodicity</td>
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<td>Availability</td>
<td>Historical data for data confrontation Ongoing /future availability</td>
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<td>Electronic delivery</td>
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Population estimates

• National, state and territory Estimated Resident Populations (ERPs) – quarterly
  – Australian Demographic Statistics (cat. no. 3101.0)

• Regional ERPs – annually
  – Regional Population Growth (cat. no. 3218.0)
  – Population by Age and Sex (cat. no. 3235.0)

• Aboriginal and Torres Strait Islander population estimates and projections – five-yearly
  – Estimates at 30 June 2011 (cat. no. 3238.0.55.001)
  – Backcast estimates and projections (cat. no. 3238.0)
  – Life Tables (cat. no. 3302.0.55.003)

• Projections – five-yearly
  – Population Projections (cat. no. 3222.0)
Components of population growth

- Births (cat. no. 3301.0) – annual
- Deaths (cat. no. 3302.0) – annual
- Life Tables, States, Territories and Australia (cat. no. 3302.0.55.001)
- Migration (cat. no. 3412.0) – annual
- Overseas Arrivals & Departures (cat. no. 3401.0) – monthly
New outputs

• Regional Internal Migration Estimates (RIME)
  – Making use of administrative data (Medicare) to estimate migration between Australia’s regions
  – First release of data scheduled for late January 2015

• Expanded Aboriginal and Torres Strait Islander projections

• Capability for state and territory population clocks

• Australian Historical Population Statistics (cat. no. 3105.0.65.001)
Linked data

• Australian Census and Migrants Integrated Dataset (ACMID)
  – Links data from 2011 Census and Department of Social Services Settlement Database

• ACLD
Data gap

- Non-resident / service populations
  - Census topic on second address
  - Potential of ‘big data’