

# National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2013

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# National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2013

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Progress measure
<b>Short name:</b>	PI 07-Infant and young child mortality rate, 2013
<b>METEOR identifier:</b>	498177
<b>Registration status:</b>	<a href="#">Health</a> , Superseded 30/04/2014
<b>Description:</b>	Mortality rates for infants and children aged less than 5 years.
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2013)</a> <a href="#">Health</a> , Superseded 30/04/2014
<b>Outcome area:</b>	<a href="#">Primary and Community Health</a> <a href="#">Health</a> , Standard 07/07/2010
<b>Data quality statement:</b>	<a href="#">National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2013 QS</a> <a href="#">Health</a> , Superseded 14/01/2015

## Collection and usage attributes

<b>Population group age from:</b>	This indicator uses a number of different population group age lower bounds: <ul style="list-style-type: none"><li>• For infants: Less than 1 year of age</li><li>• For children aged 1-4 years: 1 year of age</li><li>• For children aged 0-4 years: Less than 1 year of age</li></ul>
<b>Population group age to:</b>	This indicator uses a number of different population group age upper bounds: <ul style="list-style-type: none"><li>• For infants: Less than 1 year of age</li><li>• For children aged 1-4 years: Less than 5 years of age</li><li>• For children aged 0-4 years: Less than 5 years of age</li></ul>
<b>Computation:</b>	<p><u>Infants (&lt;1 year old)</u>: 1,000 x (Numerator ÷ Denominator)</p> <p><u>Children (0-4 year olds)</u>: 100,000 x (Numerator ÷ Denominator)</p> <p>Calculated separately for each of the two age groups, and for all Australians, Indigenous and non-Indigenous Australians.</p> <p>Variability bands are to be calculated for single-year rates and aggregate rates by state/territory using the following method for estimating 95% confidence intervals:</p> <p><i>Crude rate</i></p> $CI (CR)_{95\%} = CR \pm 1.96 \times \frac{CR}{\sqrt{\sum_{i=1}^d d}}$ <p>Where <math>d</math>=the number of deaths in the relevant age-group.</p> <p>Presented as:</p> <ul style="list-style-type: none"><li>• number of deaths per 1,000 live births (infant)</li><li>• number of deaths per 100,000 population (child).</li></ul> <p>Rate ratios and rate differences are calculated for comparing Indigenous and non-Indigenous Australians.</p>
<b>Numerator:</b>	<ul style="list-style-type: none"><li>• Number of deaths among infants (aged &lt; 1 year).</li><li>• Number of deaths among children aged 0-4 years.</li></ul>

**Numerator data elements:**

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Death Registrations Collection](#)

**Guide for use**

Data source type: Administrative by-product data

**Denominator:**

- Number of live births; and
- Population aged 0–4 years.

**Denominator data elements:**

**Data Element / Data Set**

**Data Element**

Person—estimated resident population of Australia

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Guide for use**

Data source type: Census-based plus administrative by-product data  
Used for the denominator for the mortality rate for children aged 1-4 years, and as a component of the denominator for the mortality rate for children aged 0-4 years.

**Data Element / Data Set**

**Data Element**

Person—estimated resident population of Australia

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Guide for use**

Data source type: Census-based plus administrative by-product data  
Used for the denominator for the mortality rate for Indigenous children aged 1-4 years, and as a component of the denominator for the mortality rate for Indigenous children aged 0-4 years.

**Data Element / Data Set**

**Data Element**

Person—estimated resident population of Australia

**Data Source**

[ABS Census of Population and Housing Post-Enumeration Survey](#)

**Guide for use**

Data source type: Census-based plus administrative by-product data

**Data Element / Data Set**

[Birth—birth status, code N](#)

**Data Source**

[ABS birth registration data](#)

**Guide for use**

Data source type: Administrative by-product data  
Used as the main component of the denominator for the infant mortality rate.  
Include live births only, i.e. value = 1.

**Disaggregation:**

2009-11 — State and territory.

2007-11 — State and territory, by Indigenous status.

2007, 2008, 2009 (resupplied for revision to ABS WA and national Indigenous deaths data), 2010 (supplied for Indigenous status), 2011 — Nationally, by Indigenous status.

Some disaggregations may result in numbers too small for publication. Disaggregation by Indigenous status will be based on data only from jurisdictions for which the quality of Indigenous identification is considered acceptable - NSW, Qld, WA, SA and NT.

**Disaggregation data elements:****Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[ABS Death Registrations Collection](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Death Registrations Collection](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—area of usual residence, geographical location code \(ASGC 2008\) NNNNN](#)

**Data Source**

[ABS Death Registrations Collection](#)

**Guide for use**

Data source type: Administrative by-product data

Used for disaggregation by state/territory

**Comments:** Most recent data available for 2013 Council of Australian Governments (COAG) Reform Council (CRC) report:

- 2011 (released Nov 2011)
- 2009-11 (Total population)
- 2007–2011 (Indigenous status).

Because of small numbers of deaths each year data are presented in 3 (total population) or 5-year (Indigenous population) groupings (state and territory only).

Single year data (2011) will be reported for time series analysis (national level only).

A system error affected the reporting of WA Aboriginal and Torres Strait Islander death registrations for 2007, 2008 and 2009 which affected the WA and national death rates reported for the 2011 and 2012 CRC reports. These data have been revised for 2013 reporting.

Data by remoteness may be available, pending assessment of data quality.

For further detailed analysis by Indigenous status see the *National Indigenous Reform Agreement* (NIRA) report.

Further details (including data for 2002–06) available from the Aboriginal and Torres Strait Islander Health Performance Framework (Indicator 1.19).  
<<http://www.aihw.gov.au/publications/ihw/aatsihpf08r-da/atsihpf08r-c01-22.pdf><http://www.aihw.gov.au/publications/ihw/aatsihpf08r-da/atsihpf08r-c01-23.pdf>>

## Representational attributes

**Representation class:** Rate

**Data type:** Real

**Unit of measure:** Life event (e.g. birth, death)

**Format:** N[NN].N

## Indicator conceptual framework

**Framework and dimensions:** [Deaths](#)  
[Effectiveness](#)

## Data source attributes

**Data sources:**

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Frequency**

Quarterly

**Data quality statement**

[ABS Estimated resident population \(total population\), QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Death Registrations Collection](#)

**Frequency**

Annual

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Frequency**

Periodic

**Data quality statement**

[ABS Indigenous experimental estimates and projections, QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS Census of Population and Housing Post-Enumeration Survey](#)

**Frequency**

Every 5 years

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[ABS birth registration data](#)

**Frequency**

Annual

**Data custodian**

Australian Bureau of Statistics

## Accountability attributes

**Reporting requirements:** National Healthcare Agreement

**Organisation responsible for providing data:** Australian Bureau of Statistics

**Benchmark:** NPA on Closing the Gap in Indigenous Health Outcomes

National Healthcare Agreement: PB b-Better health: halve the mortality gap for Indigenous children under five by 2018, 2013

Halve the gap in mortality rates for Indigenous children under 5 within a decade.

**Further data development / collection required:** Specification: Final, the measure meets the intention of the indicator.

## Relational attributes

**Related metadata references:** Supersedes National Healthcare Agreement: PI 19-Infant and young child mortality rate, 2012

Health, Superseded 25/06/2013

Has been superseded by National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2014

Health, Superseded 14/01/2015

See also National Healthcare Agreement: PB a-Better health: close the life expectancy gap for Indigenous Australians within a generation, 2013

Health, Superseded 30/04/2014

See also National Healthcare Agreement: PB b-Better health: halve the mortality gap for Indigenous children under five by 2018, 2013

Health, Superseded 30/04/2014

See also National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2013

Health, Superseded 30/04/2014

See also National Healthcare Agreement: PI 06-Life expectancy, 2013

Health, Superseded 30/04/2014

See also National Healthcare Agreement: PI 08-Major causes of death, 2013

Health, Superseded 30/04/2014

See also National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2013

Health, Superseded 30/04/2014