

# National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2014

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# National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2014

## 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, 2014  |
| <b>METEOR identifier:</b>      | 517673   |
| <b>Registration status:</b>    | <a href="#">Health!</a> , Superseded 14/01/2015  |
| <b>Description:</b>            | Mortality rates for infants and children aged less than 5 years.   |
| <b>Indicator set:</b>          | <a href="#">National Healthcare Agreement (2014)</a><br><a href="#">Health!</a> , Superseded 14/01/2015  |
| <b>Outcome area:</b>           | <a href="#">Primary and Community Health</a><br><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, 2014 QS</a><br><a href="#">Health!</a> , Superseded 14/01/2015 |

## Collection and usage attributes

**Population group age from:** This indicator uses a number of different population group age lower bounds:

- For infants: Less than 1 year of age
- For children aged 1-4 years: 1 year of age
- For children aged 0-4 years: Less than 1 year of age.

**Population group age to:** This indicator uses a number of different population group age upper bounds:

- For infants: Less than 1 year of age
- For children aged 1-4 years: Less than 5 years of age
- For children aged 0-4 years: Less than 5 years of age.

**Computation:** Infants (less than 1 year old): 1,000 x (Numerator ÷ Denominator)  
Children (0-4 year olds): 100,000 x (Numerator ÷ Denominator)

Calculated separately for each of the two age groups, and for all Australians, Indigenous and non-Indigenous Australians.

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:

$$CI (CR)_{95\%} = CR \pm 1.96 \times \frac{CR}{\sqrt{\sum d}}$$

Where  $d$  = the number of deaths in the relevant age-group.

CI = confidence interval

CR = crude rate

Presented as:

- number of deaths per 1,000 live births (infant)
- number of deaths per 100,000 population (child)

Rate ratios and rate differences are calculated for comparing Indigenous and non-Indigenous Australians.

**Numerator:**

- Number of deaths among infants (aged less than 1 year)
- Number of deaths among children aged 0-4 years.

**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
- Population aged 0–4 years.

**Denominator data elements:**

**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.

**Data Element / Data Set**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**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**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**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**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**Data Source**

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

**Guide for use**

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

**Disaggregation:**

2010–12—State and territory.

2008–12—State and territory, by Indigenous status.

2007, 2008, 2009, 2010, 2011 (resupplied for updated Estimated Resident Population and revised births data), 2012—Nationally.

2012—Nationally, by Indigenous status.

2011—Nationally, by remoteness (0-4 years only).

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, statistical area level 2 \(SA2\) code \(ASGS 2011\) N\(9\)](#)

**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 2014 Council of Australian Governments (COAG) Reform Council (CRC) report:

- 2012 (released Nov 2013)
- 2010-12 (Total population)
- 2008–2012 (Indigenous status).

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

Single year data (2012) 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 CRC *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 birth registration data](#)

#### Frequency

Annual

#### Data custodian

Australian Bureau of Statistics

### Data Source

[ABS Death Registrations Collection](#)

#### Frequency

Annual

#### Data custodian

Australian Bureau of Statistics

#### 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 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

## Accountability attributes

**Reporting requirements:** National Healthcare Agreement

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

**Benchmark:** [National Healthcare Agreement: PB b-Better health: halve the mortality gap for Indigenous children under five by 2018, 2014](#)

[NPA on Closing the Gap in Indigenous Health Outcomes](#)

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 07-Infant and young child mortality rate, 2013](#)

[Health!](#), Superseded 30/04/2014

Has been superseded by [National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2015](#)

[Health!](#), Superseded 08/07/2016

See also [National Health Performance Authority Healthy Communities: Infant and young child mortality rate, 2010–2012](#)

National Health Performance Authority (retired), Retired 01/07/2016

See also [National Health Performance Authority Healthy Communities: Infant mortality rate, 2010–2012](#)

National Health Performance Authority (retired), Retired 01/07/2016

See also [National Healthcare Agreement: PB b-Better health: halve the mortality gap for Indigenous children under five by 2018, 2014](#)

[Health!](#), Superseded 14/01/2015

See also [National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2014](#)

[Health!](#), Superseded 14/01/2015

See also [National Healthcare Agreement: PI 06-Life expectancy, 2014](#)

[Health!](#), Superseded 14/01/2015

See also [National Healthcare Agreement: PI 08-Major causes of death, 2014](#)

[Health!](#), Superseded 14/01/2015

See also [National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2014](#)

[Health!](#), Superseded 14/01/2015