

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

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI07-Infant and young child mortality rate, 2014
METEOR identifier:	517673
Registration status:	Health , Superseded 14/01/2015
Description:	Mortality rates for infants and children aged less than 5 years.
Indicator set:	National Healthcare Agreement (2014) Health , Superseded 14/01/2015
Outcome area:	Primary and Community Health Health , Standard 07/07/2010
Data quality statement:	National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2014 QS Health , Superseded 14/01/2015

Collection and usage attributes

Population group age from:	This indicator uses a number of different population group age lower bounds: <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• 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:	<p><u>Infants (less than 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> $CI (CR)_{95\%} = CR \pm 1.96 \times \frac{CR}{\sqrt{\sum_{i=1}^n d}}$ <p>Where d=the number of deaths in the relevant age-group.</p> <p>CI = confidence interval</p> <p>CR = crude rate</p> <p>Presented as:</p> <ul style="list-style-type: none">• number of deaths per 1,000 live births (infant)• number of deaths per 100,000 population (child) <p>Rate ratios and rate differences are calculated for comparing Indigenous and non-Indigenous Australians.</p>
Numerator:	<ul style="list-style-type: none">• 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