

National Healthcare Agreement: PI 19-Infant and young child mortality rate, 2012

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 19-Infant and young child mortality rate, 2012
METEOR identifier:	443683
Registration status:	<ul style="list-style-type: none">• Health, Superseded 25/06/2013
Description:	Mortality rates for infants and children aged less than 5 years.
Indicator set:	National Healthcare Agreement (2012) Health , Superseded 25/06/2013
Outcome area:	Primary and Community Health Health , Standard 07/07/2010
Quality statement:	National Healthcare Agreement: PI 19-Infant and young child mortality rate, 2012 QS Health, Superseded 14/01/2015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:

Infants (<1 year old): 1,000 x (Numerator ÷ Denominator)

Children (1–4 year olds): 100,000 x (Numerator ÷ Denominator)

Children (0–4 year olds): 100,000 x (Numerator ÷ Denominator)

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

Variability bands are to be calculated for single-year rates using the following method for estimating 95% confidence intervals:

Crude rate

$$CI (CR)_{95\%} = CR \pm 1.96 \times \frac{CR}{\sqrt{\sum_{i=1}^n d}}$$

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

Presented as:

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

Numerator:

- Number of deaths among infants (aged < 1 year)
- Number of deaths among children aged 1–4 years
- 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; and
- Population aged 1–4 years; 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:

2008–10— State and territory (total population)

2006–10— State and territory, by Indigenous status

2007, 2008, 2009 (resupplied with variability bands) and 2010— Nationally (infants and 0–4 years)

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 \(ASGC 2006\) 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 2012 CRC report:

- 2010 (released Nov 2011)
- 2008–10 (Total population)
- 2006–2010 (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 (2010) will be reported for time series analysis (national level only for infant and child 0–4 years).

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/aatsihpf08r-c01-22.pdf><http://www.aihw.gov.au/publications/ihw/aatsihpf08r-da/aatsihpf08r-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

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

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: [National Healthcare Agreement: PB 09-Halve the mortality gap for Indigenous children under five within a decade, 2012](#)

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 / Specification: Long-term
collection required:

Relational attributes

Related metadata references:

Supersedes [National Healthcare Agreement: PI 19-Infant and young child mortality rate, 2011](#)

- [Health](#), Superseded 30/10/2011

Has been superseded by [National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2013](#)

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

See also [National Healthcare Agreement: PB 08-Close the life expectancy gap for Indigenous Australians within a generation, 2012](#)

- [Health](#), Superseded 25/06/2013
- [Indigenous](#), Standard 11/09/2012

See also [National Healthcare Agreement: PB 09-Halve the mortality gap for Indigenous children under five within a decade, 2012](#)

- [Health](#), Superseded 25/06/2013
- [Indigenous](#), Standard 11/09/2012

See also [National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2012](#)

- [Health](#), Superseded 25/06/2013

See also [National Healthcare Agreement: PI 09-Immunisation rates for vaccines in the national schedule, 2012](#)

- [Health](#), Retired 25/06/2013

See also [National Healthcare Agreement: PI 18-Life expectancy, 2012](#)

- [Health](#), Superseded 25/06/2013

See also [National Healthcare Agreement: PI 20-Potentially avoidable deaths, 2012](#)

- [Health](#), Superseded 25/06/2013

See also [National Healthcare Agreement: PI 33-Women with at least one antenatal visit in the first trimester of pregnancy, 2012](#)

- [Health](#), Retired 25/06/2013

See also [National Healthcare Agreement: PI 59-Age-standardised mortality by major cause of death, 2012](#)

- [Health](#), Superseded 25/06/2013

See also [National Healthcare Agreement: PI 61-Teenage birth rate, 2012](#)

- [Health](#), Retired 25/06/2013

See also [National Indigenous Reform Agreement: PI 09-Child under 5 mortality rate \(and excess deaths\), 2012](#)

- [Indigenous](#), Superseded 13/06/2013

See also [National Indigenous Reform Agreement: PI 10-Mortality rates \(and excess deaths\) by leading causes for children under 5, 2012](#)

- [Indigenous](#), Superseded 13/06/2013