National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2015

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National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2015

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 07-Infant and young child mortality rate, 2015
METEOR identifier:	559054
Registration status:	Health!, Superseded 08/07/2016
Description:	Mortality rates for infants and children aged less than 5 years.
Indicator set:	National Healthcare Agreement (2015) Health!, Superseded 08/07/2016
Outcome area:	Prevention Health!, Standard 07/07/2010
Data quality statement:	National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2015 QS Health!, Superseded 08/07/2016

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 (<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) = CR ± 1.96 x (CR/√d)
	
	Where d = number of deaths
	
	    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. The rates for a single year use single year data for the numerator, and the average of three years (with the reference year as the middle year) for the denominator. The rates for 5 years of data combined use the average of 5 years data for the numerator and denominator.

Numerator:	• Number of deaths among infants (aged < 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; and
• Population aged 0–4 years.

Denominator data elements:

Data Element / Data Set

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

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

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Data Element / Data Set

Person—estimated resident population of Australia

Data Source

[ABS Indigenous estimates and projections](#)

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

[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:** | 2011–13—State and territory. |
| | |

2009–13—State and territory, by Indigenous status.

2013—Nationally.

2007, 2008, 2009, 2010, 2011, 2012 (resupplied for children aged 0-4 years for updated Indigenous Estimated Resident Population), 2013—Nationally, by Indigenous status.

2012—Nationally, by remoteness (0-4 years only) (Major Cities, Inner and Outer Regional combined, Remote and Very remote combined).

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 and remoteness

| **Comments:** | Most recent data available for 2015 National Healthcare Agreement (NHA) performance reporting: |

- 2013 (released Nov 2014)
- 2011-13 (Total population)
- 2009–2013 (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 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.

Further details (including historical data) are available from the Aboriginal and Torres Strait Islander Health Performance Framework (Indicator 1.20).

http://www.health.gov.au/indigenous-hpf

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

Frequency

Every 5 years

Data custodian

Australian Bureau of Statistics

Data Source

[ABS Indigenous estimates and projections](#)

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 b-Better health: halve the mortality gap for Indigenous children under five by 2018, 2015
	NPA on Closing the Gap in Indigenous Health Outcomes Halve the gap in mortality rates for Indigenous children under five 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, 2014 Health!, Superseded 14/01/2015
	Has been superseded by National Healthcare Agreement: PI 07–Infant and young child mortality rate, 2016 Health!, Superseded 31/01/2017
	See also National Healthcare Agreement: PB b-Better health: halve the mortality gap for Indigenous children under five by 2018, 2015 Health!, Superseded 08/07/2016
	See also National Healthcare Agreement: PI 01-Proportion of babies born of low birth weight, 2015 Health!, Superseded 08/07/2016
	See also National Healthcare Agreement: PI 06-Life expectancy, 2015 Health!, Superseded 08/07/2016
	See also National Healthcare Agreement: PI 08-Major causes of death, 2015 Health!, Superseded 08/07/2016
	See also National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2015 Health!, Superseded 08/07/2016