

# **National Healthcare Agreement: PI 59-Age-standardised mortality by major cause of death, 2012**

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# National Healthcare Agreement: PI 59-Age-standardised mortality by major cause of death, 2012

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Progress measure
<b>Short name:</b>	PI 59-Mortality by major cause of death, 2012
<b>METEOR identifier:</b>	443713
<b>Registration status:</b>	<a href="#">Health</a> , Superseded 25/06/2013
<b>Description:</b>	Age-standardised mortality rate by major cause of death, and rate ratios for Indigenous people and people living in remote or low socioeconomic areas.
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2012)</a> <a href="#">Health</a> , Superseded 25/06/2013
<b>Outcome area:</b>	<a href="#">Social Inclusion and Indigenous Health</a> <a href="#">Health</a> , Standard 07/07/2010 <a href="#">Indigenous</a> , Standard 11/09/2012
<b>Data quality statement:</b>	<a href="#">National Healthcare Agreement: PI 59-Age-standardised mortality by major cause of death, 2012 QS</a> <a href="#">Health</a> , Superseded 14/01/2015

## Collection and usage attributes

**Computation description:** Each ICD-10 chapter for underlying cause of death plus major causes of:

- Circulatory diseases (I00-I99)
- Neoplasms (cancer) (C00-D48)
- External causes of morbidity and mortality (V01-Y98)
- Endocrine, metabolic and nutritional disorders (E00-E90)
- Respiratory diseases (J00-J99)
- Digestive diseases (K00-K93)
- Kidney diseases (N00-N29)
- Conditions originating in the perinatal period (P00-P96)
- Infectious and parasitic diseases (A00-B99)
- Nervous system diseases (G00-G99)
- Other causes
- All causes

Rates are directly age-standardised to the 2001 Australian population.

Variability bands are to be calculated for single-year rates using the method below.

Presented per 100,000 population. Rate ratio calculated for Indigenous:non-Indigenous.

**Computation:**

100,000 x (Numerator ÷ Denominator)

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

*Age-standardised rate:*

$$CI(ASR)_{95\%} = ASR \pm 1.96 \times \sqrt{\sum_{i=1}^I \frac{w_i^2 d_i}{n_i^2}}$$

Where  $w_i$  = the proportion of the standard population in age group  $i$

$d_i$  = the number of deaths in age group  $i$

$n_i$  = the number of people in the population in age group  $i$

**Numerator:**

Number of deaths

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

[Person—underlying cause of death, code \(ICD-10 2nd edn\) ANN-ANN](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Administrative by-product data

**Denominator:**

Total population

**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 data plus administrative by-product data

**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 data plus administrative by-product data

**Disaggregation:**

2007, 2008 and 2009 (updated for age standardisation and variability bands), and 2010—State and territory (total deaths)

2007 and 2008 (updated for revision to ABS cause of death data, age standardisation and variability bands), and 2009—State and territory, by ICD-10 chapter for underlying cause of death (and total)

2003–2007 and 2004–2008 (updated for revision to ABS cause of death data) and 2005–2009—State and territory, by major cause of death (and total) by, Indigenous status

Some disaggregation 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, SA, WA and NT.

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

[Person—Indigenous status, code N](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—underlying cause of death, code \(ICD-10 2nd edn\) ANN-ANN](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set****Data Source**

[ABS Causes of Death 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

Aggregated data: 2005–2009.

Cause of death data are final (2007), revised (2008) and preliminary (2009).

Indigenous and non-Indigenous analysis excludes records where Indigenous status was 'not stated'.

Due to small number of Indigenous deaths reported each year, 5 year combined data will be reported for the current reporting period.

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

Further details (including data for 2002–06) are available from the Aboriginal and Torres Strait Islander Health Performance Framework (Indicator 1.22 and 1.23).

<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>

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

## Representational attributes

**Representation class:** Rate

**Data type:** Real

**Unit of measure:** Person

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

## Indicator conceptual framework

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

## 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 Causes of Death Collection](#)

**Frequency**

Annual

**Data quality statement**

[ABS causes of death collection, 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

**Accountability attributes**

**Reporting requirements:** National Healthcare Agreement

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

**Further data development / collection required:** Specification: Long-term

**Relational attributes**

**Related metadata  
references:**

Supersedes [National Healthcare Agreement: PI 59-Age-standardised mortality by major cause of death, 2011](#)

[Health](#), Superseded 31/10/2011

Has been superseded by [National Healthcare Agreement: PI 08-Major causes of death, 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 18-Life expectancy, 2012](#)

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

See also [National Healthcare Agreement: PI 19-Infant and young child mortality rate, 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 Indigenous Reform Agreement: PI 02-Mortality rate \(and excess deaths\) by leading causes, 2011](#)

[Indigenous](#), Superseded 01/07/2012

See also [National Indigenous Reform Agreement: PI 02-Mortality rate \(and excess deaths\) by leading causes, 2012](#)

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