

# National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2013

Exported from METEOR (AIHW's Metadata Online Registry)

© Australian Institute of Health and Welfare 2024

This product, excluding the AIHW logo, Commonwealth Coat of Arms and any material owned by a third party or protected by a trademark, has been released under a Creative Commons BY 4.0 (CC BY 4.0) licence. Excluded material owned by third parties may include, for example, design and layout, images obtained under licence from third parties and signatures. We have made all reasonable efforts to identify and label material owned by third parties.

You may distribute, remix and build on this website's material but must attribute the AIHW as the copyright holder, in line with our attribution policy. The full terms and conditions of this licence are available at <https://creativecommons.org/licenses/by/4.0/>.

Enquiries relating to copyright should be addressed to [info@aihw.gov.au](mailto:info@aihw.gov.au).

Enquiries or comments on the METEOR metadata or download should be directed to the METEOR team at [meteor@aihw.gov.au](mailto:meteor@aihw.gov.au).

# National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2013

## Identifying and definitional attributes

|                                |  |
|--------------------------------|--|
| <b>Metadata item type:</b>     | Indicator  |
| <b>Indicator type:</b>         | Progress measure   |
| <b>Short name:</b>             | PI 16-Potentially avoidable deaths, 2013   |
| <b>METEOR identifier:</b>      | 497242   |
| <b>Registration status:</b>    | <a href="#">Health</a> , Superseded 30/04/2014   |
| <b>Description:</b>            | Deaths that are potentially avoidable within the present health system: <ul style="list-style-type: none"><li>• potentially preventable deaths are those amenable to screening and primary prevention, such as immunisation</li><li>• deaths from potentially treatable conditions are those amenable to therapeutic interventions</li></ul> |
| <b>Indicator set:</b>          | <a href="#">National Healthcare Agreement (2013)</a><br><a href="#">Health</a> , Superseded 30/04/2014   |
| <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 16-Potentially avoidable deaths, 2013 QS</a><br><a href="#">Health</a> , Superseded 14/01/2015   |

## Collection and usage attributes

|                                 |  |
|---------------------------------|--|
| <b>Population group age to:</b> | 75 years   |
| <b>Computation description:</b> | Deaths are defined as avoidable in the context of the present health system.<br><br>International Classification of Diseases (ICD-10) codes in scope are as specified below: |

| <b>Cause of death group</b>                          | <b>ICD-10 Codes</b>  | <b>Limits (age, sex)</b> | <b>Treatable</b> | <b>Preventable</b> |
|--|--|--------------------------|------------------|--------------------|
| <b>Infections</b>                                    |  |                          |                  |                    |
| Tuberculosis   | A15–A19, B90   |                          | X                |                    |
| Selected invasive bacterial and protozoal infections | A38–A41, A46, A48.1 B50–B54, G00,G03, J02.0, J13–J15, J18, L03 |                          | X                |                    |
| Hepatitis  | B15–B19  |                          |                  | X                  |
| HIV/AIDS   | B20–B24  |                          |                  | X                  |
| Viral pneumonia and influenza                        | J10, J12, J21  |                          |                  | X                  |
| Enteritis and other diarrhoeal disease               | A00–A09  |                          |                  | X                  |
| Childhood vaccine-preventable diseases               | A35–A37, A49.1, A49.2, A80, B01, B05–B06, J11                  | 0–14                     |                  | X                  |

| <b>Cause of death group</b>                    | <b>ICD-10 Codes</b>   | <b>Limits (age, sex)</b> | <b>Treatable</b> | <b>Preventable</b> |
|--|---|--------------------------|------------------|--------------------|
| Sexually transmitted diseases, except HIV/AIDS | A50–A64, M02.3, N34.1, N70–N73, N75.0, N75.1, N76.4, N76.6, O00 |                          |                  | X                  |
| Ear infections—otitis media and mastoiditis    | H65–H70   |                          | X                |                    |
| Upper respiratory tract infection              | J00–J06, except for J02.0                                       |                          | X                |                    |
| <b>Cancer</b>                                  |   |                          |                  |                    |
| Lip, oral cavity and pharynx                   | C00–C14   |                          |                  | X                  |
| Oesophagus                                     | C15   |                          |                  | X                  |
| Stomach  | C16   |                          |                  | X                  |
| Colorectal                                     | C18–C21   |                          | X                |                    |
| Liver  | C22   |                          |                  | X                  |
| Lung   | C33, C34  |                          |                  | X                  |
| Melanoma of skin                               | C43   |                          | X                |                    |
| Non-melanocytic skin                           | C44   |                          | X                |                    |
| Breast   | C50   | Female                   | X                |                    |
| Cervix   | C53   |                          | X                |                    |
| Uterus   | C54, C55  |                          | X                |                    |
| Bladder  | C67   |                          | X                |                    |
| Thyroid  | C73   |                          | X                |                    |
| Hodgkin's disease                              | C81   |                          | X                |                    |
| Lymphoid leukaemia—acute/chronic               | C91.0, C91.1  |                          | X                |                    |
| Benign cancers                                 | D10–D36   |                          | X                |                    |
| Malignant neoplasm of testis                   | C62   |                          |                  | X                  |
| Malignant neoplasm of eye and adnexa           | C69   |                          |                  | X                  |
| Diabetes                                       | E10–E14   |                          | X (0.5)          | X (0.5)            |
| <b>Drug use disorders</b>                      |   |                          |                  |                    |
| Alcohol related disease                        | F10, I42.6, K29.2, K70  |                          |                  | X                  |
| Illicit drug use disorders                     | F11–F16, F18, F19   |                          |                  | X                  |
| Epilepsy                                       | G40, G41  |                          | X                |                    |
| <b>Diseases of the circulatory system</b>      |   |                          |                  |                    |
| Rheumatic and other valvular heart disease     | I01–I09   |                          | X                |                    |
| Hypertensive heart disease                     | I11   |                          | X                |                    |
| Ischaemic heart disease                        | I20–I25   |                          | X (0.5)          | X (0.5)            |

| <b>Cause of death group</b>   | <b>ICD-10 Codes</b>                  | <b>Limits (age, sex)</b> | <b>Treatable</b> | <b>Preventable</b> |
|---|--------------------------------------|--------------------------|------------------|--------------------|
| Cerebrovascular diseases  | I60–I69                              |                          | X (0.5)          | X (0.5)            |
| Aortic aneurysm   | I71                                  |                          |                  | X                  |
| Phlebitis and thrombophlebitis of other deep vessels of lower extremities           | I80.2                                |                          |                  | X                  |
| Pulmonary embolism  | I26                                  |                          |                  | X                  |
| <b>Diseases of the genitourinary system</b>   |                                      |                          |                  |                    |
| Nephritis and nephrosis   | I12, I13, N00–N07, N17–N19           |                          | X                |                    |
| Obstructive uropathy & prostatic hyperplasia  | N13, N20, N21, N35, N40              |                          | X                |                    |
| <b>Diseases of the respiratory system</b>   |                                      |                          |                  |                    |
| COPD  | J40–J44                              | 45–74 years              |                  | X                  |
| Asthma  | J45, J46                             | 0–44 years               | X                |                    |
| <b>Diseases of the digestive system</b>   |                                      |                          |                  |                    |
| Peptic ulcer disease  | K25–K28                              |                          | X                |                    |
| Diseases of appendix; hernia; disorders of gallbladder, biliary tract, and pancreas | K35–K38, K40–K46, K80–K83, K85, K86  |                          | X                |                    |
| Chronic liver disease (excluding alcohol-related disease)                           | K73, K74                             |                          |                  | X                  |
| <b>Maternal &amp; infant causes</b>   |                                      |                          |                  |                    |
| Birth defects   | H31.1, P00, P04, Q00–Q99             |                          | X                |                    |
| Complications of perinatal period   | P03, P05–P95                         |                          | X                |                    |
| <b>Unintentional injuries</b>   |                                      |                          |                  |                    |
| Road traffic injuries   | V01–V04, V06, V09–V80, V87, V89, V99 |                          |                  | X                  |
| Falls   | W00–W19                              |                          |                  | X                  |
| Fires, burns  | X00–X09                              |                          |                  | X                  |
| Accidental poisonings   | X40–X49                              |                          |                  | X                  |
| Drownings   | W65–W74                              |                          |                  | X                  |
| War   | Y36                                  |                          |                  | X                  |
| <b>Intentional injuries</b>   |                                      |                          |                  |                    |
| Suicide and self-inflicted injuries   | X60–X84, Y87.0, Y10–Y34              |                          |                  | X                  |

| Cause of death group   | ICD-10 Codes      | Limits (age, sex) | Treatable | Preventable |
|--|-------------------|-------------------|-----------|-------------|
| Violence   | X85–Y09, Y87.1    |                   |           | X           |
| <b>Other conditions</b>  |                   |                   |           |             |
| Nutritional deficiency anaemia   | D50–D53           |                   |           | X           |
| Thyroid disorders  | E00–E07           |                   | X         |             |
| Adrenal disorders  | E24, E27          |                   | X         |             |
| Congenital metabolic disorders   | E25, E70.0, E74.2 |                   | X         |             |
| Osteomyelitis and other osteopathies of bone   | M86, M89          |                   |           | X           |
| Complications of pregnancy, labour or the puerperium   | O01–O99           |                   |           | X           |
| Misadventures to patients during surgical and medical care   | Y60–Y69           |                   |           | X           |
| Medical devices associated with adverse incidents in diagnostic & therapeutic use  | Y70–Y82           |                   |           | X           |
| Surgical and other medical procedures as the cause of abnormal reaction of the patient, or of later complication, without mention of misadventure at the time of the procedure | Y83–Y84           |                   |           | X           |

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.

**Computation:**

100,000 x (Numerator ÷ Denominator)

Calculated separately for 'preventable' and 'treatable' categories.

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

*Age-standardised rate*

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

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 of persons aged less than 75 categorised as potentially avoidable

**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: Registry

**Denominator:**

Population aged less than 75 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

**Data Element / Data Set**

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

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Guide for use**

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

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Guide for use**

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

**Disaggregation:**

2007, 2008, 2009 (resupplied for revision to ABS WA and national Indigenous deaths data), 2010—State and territory, by preventable and treatable categories.

2007, 2008, 2009 (resupplied for revision to ABS WA and national Indigenous death data), 2010—Nationally, by preventable and treatable categories:

- Indigenous status

2006–2010—State and territory, by preventable and treatable categories, by:

- Indigenous status

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, SA, WA, 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: Registry

**Data Element / Data Set**

[Person—area of usual residence, geographical location code \(ASGC 2007\) NNNNN](#)

**Data Source**

[ABS Causes of Death Collection](#)

**Guide for use**

Data source type: Registry

Used for disaggregation by state/territory

**Comments:**

Most recent data available for 2013 Council of Australian Governments (COAG) Reform Council (CRC) report:

- 2010 (Total population)
- Aggregated data 2006–2010 (Indigenous status)

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

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.

**Representational attributes**

|                              |         |
|------------------------------|---------|
| <b>Representation class:</b> | Rate    |
| <b>Data type:</b>            | Real    |
| <b>Unit of measure:</b>      | Person  |
| <b>Format:</b>               | NN[N].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 (ABS).

**Further data development / collection required:** Specification: Minor work required, the measure needs minor work to meet the intention of the indicator.

## Relational attributes

### Related metadata references:

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

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

Has been superseded by [National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2014](#)

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

See also [National Healthcare Agreement: PI 03-Prevalence of overweight and obesity, 2013](#)

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

See also [National Healthcare Agreement: PI 04-Rates of current daily smokers, 2013](#)

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

See also [National Healthcare Agreement: PI 05-Levels of risky alcohol consumption, 2013](#)

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

See also [National Healthcare Agreement: PI 06-Life expectancy, 2013](#)

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

See also [National Healthcare Agreement: PI 07-Infant and young child mortality rate, 2013](#)

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

See also [National Healthcare Agreement: PI 08-Major causes of death, 2013](#)

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

See also [National Healthcare Agreement: PI 18-Selected potentially preventable hospitalisations, 2013](#)

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

See also [National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2013](#)

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