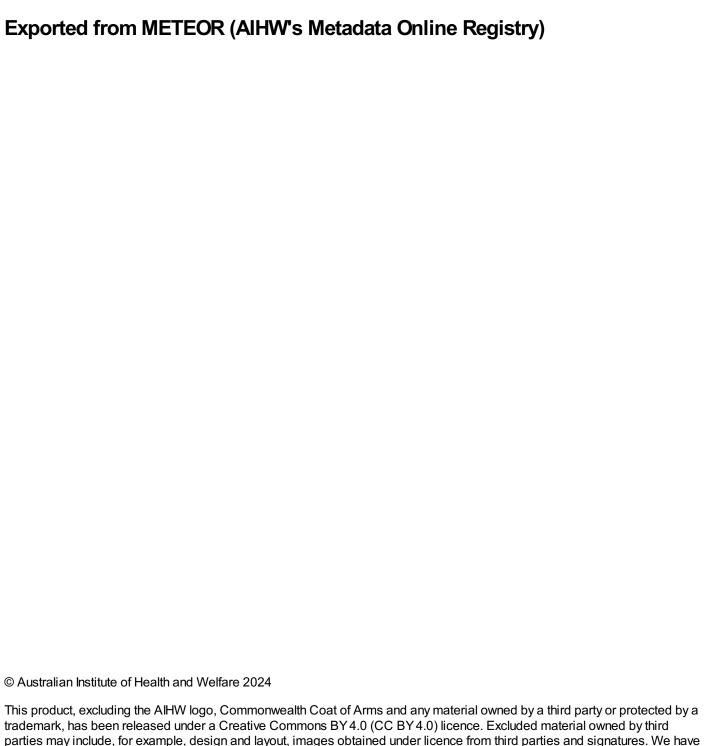
# National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2014



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# National Healthcare Agreement: Pl 16-Potentially avoidable deaths, 2014

### Identifying and definitional attributes

Metadata item type: Indicator

Indicator type: Progress measure

**Short name:** PI 16-Potentially avoidable deaths, 2014

METEOR identifier: 517652

Registration status: Health, Superseded 14/01/2015

**Description:** Deaths that are potentially avoidable within the present health system:

• potentially preventable deaths are those amenable to screening and primary

prevention, such as immunisation

· deaths from potentially treatable conditions are those amenable to therapeutic

interventions

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Health, Superseded 14/01/2015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 16-Potentially avoidable deaths, 2014 QS

Health, Superseded 14/01/2015

### Collection and usage attributes

Population group age to: 74 years

**Computation description:** Deaths are defined as avoidable in the context of the present health system.

International Classification of Diseases (ICD-10) codes in scope are as specified

below:

# Potentially avoidable deaths International Classification of Disease (ICD-10) Codes

| Death group  | ICD-10<br>Codes   | Limits<br>(age,<br>sex) | Treatable | Preventable |
|--|---|-------------------------|-----------|-------------|
| Infections   |   |                         |           |             |
| Tuberculosis   | A15-A19,<br>B90   |                         | X         |             |
| Selected invasive bacterial and protozoal infections | A38-A41,<br>A46, A48.1,<br>B50-B54,<br>G00, G03,<br>J02.0, J13-<br>J15, J18,<br>L03 |                         | X         |             |
| Hepatitis  | B15-B19   |                         |           | Х           |
| HIV/AIDS   | B20-B24   |                         |           | Х           |
| Viral pneumonia and influenza                        | J10, J12,<br>J21  |                         |           | Х           |
| Enteritis and other diarrhoeal disease               | A00-A09   |                         |           | Х           |

| Childhood vaccine-<br>preventable diseases     | A35-A37,<br>A49.1,<br>A49.2, A80,<br>B01, B05-<br>B06, J11                         | 0-14   |         | X       |
|--|--|--------|---------|---------|
| Sexually transmitted diseases, except HIV/AIDS | A50-A64,<br>M02.3,<br>N34.1, N70-<br>N73, N75.0,<br>N75.1,<br>N76.4,<br>N76.6, O00 |        |         | X       |
| Ear infections - otitis media and mastoiditis  | H65-H70  |        | X       |         |
| Upper respiratory tract infection              | J00-J06,<br>except for<br>J02.0  |        | Х       |         |
| Cancer   |  |        |         |         |
| Lip, oral cavity and pharynx                   | C00-C14  |        |         | X       |
| Oesophagus                                     | C15  |        |         | Х       |
| 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  |        | Х       |         |
| Uterus   | C54, C55   |        | X       |         |
| Bladder  | C67  |        | X       |         |
| Thyroid  | C73  |        | X       |         |
| Hodgkin's disease                              | C81  |        | Х       |         |
| Lymphoid leukaemia -<br>acute/chronic          | C91.0,<br>C91.1  |        | X       |         |
| Benign cancers                                 | D10-D36  |        | X       |         |
| Malignant neoplasm of testis                   | C62  |        |         | X       |
| Malignant neoplam of eye and adnexa            | C69  |        |         | X       |
| Diabetes                                       | E10-E14  |        | X (0.5) | X (0.5) |
| Drug use disorders                             |  |        |         |         |
| Alcohol related disease                        | F10, H2.6,<br>K29.2, K70   |        |         | Х       |
| Illicit drug use disorders                     | F11-F16,<br>F18, F19   |        |         | X       |
| Epilepsy                                       | G40, G41   |        | Х       |         |
| Diseases of the circulatory system             |  |        |         |         |
| Rheumatic and other valvular heart disease     | 101-109  |        | X       |         |
| Hypertensive heart disease                     | l11  |        | Х       |         |

| Ischaemic heart disease   | 120-125  |                | X (0.5)  | X (0.5) |
|---|--|----------------|----------|---------|
| Cerebrovascular diseases  | 160-169  |                | X (0.5)  | X (0.5) |
| Aortic aneurysm   | l71  |                | <u> </u> | X       |
| Phlebitis and thrombophlebitis of other deep vessels of lower extremities           | 180.2  |                |          | X       |
| Pulmonary embolism  | 126  |                |          | Х       |
| Disease of the genitourinary system   |  |                |          |         |
| Nephritis and nephrosis   | I12, I13,<br>N00-N07,<br>N17-N19               |                | X        |         |
| Obstructive uropathy & prostatic hyperplasia  | N13, N20,<br>N21, N35,<br>N40                  |                | X        |         |
| Diseases of the respiratory system  |  |                |          |         |
| COPD  | J40-J44  | 45-74<br>years |          | Х       |
| Asthma  | J45, J46                                       | 0-44<br>years  | X        |         |
| Diseases of the digestive system  |  |                |          |         |
| Peptic ulcer disease  | K25-K28  |                | Х        |         |
| Diseases of appendix; hernia; disorders of gallbladder, biliary tract, and pancreas | K35-K38,<br>K40-K46,<br>K80-K83,<br>K85, K86   |                | X        |         |
| Chronic liver disease<br>(excluding alcohol-related<br>disease)                     | K73, K74                                       |                |          | Х       |
| Maternal & infant causes  |  |                |          |         |
| Birth defects   | H31.1, P00,<br>P04, Q00-<br>Q99                |                | X        |         |
| Complications of perinatal period   | P03, P05-<br>P95                               |                | X        |         |
| Unintentional injruies  |  |                |          |         |
| Road traffic injuries   | V01-V04,<br>V06, V09-<br>V80, V87,<br>V89, V99 |                |          | X       |
| Falls   | W00-W19  |                |          | Х       |
| Fires, burns  | X00-X09  |                |          | Х       |
| Accidental poisonings   | X40-X49  |                |          | Х       |
| Drownings   | W65-W74  |                |          | X       |
| War   | Y36  |                |          | X       |
| Intentional injuries  |  |                |          |         |
| Suicide and self-inflicted injuries   | X60-X84,<br>Y87.0, Y10-<br>Y34                 |                |          | X       |

| Violence   | X85-Y09,<br>Y87.1    |   | X |
|--|----------------------|---|---|
| Other conditions   |                      |   |   |
| Nutritional deficieny anaemia  | D50-D53              |   | Х |
| Thyroid disorders  | E00-E07              | Х |   |
| Adrenal disorders  | E24, E27             | Х |   |
| Congenital metabolic disorders   | E25, E70.0,<br>E74.2 | X |   |
| Osteomyelitis and other osteopathies of bone   | M86, M89             |   | Х |
| Complications of pregnancy, labour or the puerperium   | O01-O99              |   | Х |
| Misadventures to patients during surgical and medical care   | Y60-Y69              |   | Х |
| 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:

Number

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

$$CI(ASR)_{95\%} = ASR \pm 1.96 \times \sqrt{\sum_{t=1}^{I} \frac{w_t^2 d_t}{n_t^2}}$$

Where w = the proportion of the standard population in age group i

d=the number of deaths in age group i

*n*=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—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 Censusbased)

Guide for use

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

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

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

#### Disaggregation:

2007, 2008 (resupplied for updated Estimated Resident Population (ERP)), 2009, 2010 (updated for revision to ABS cause of death data and updated ERP), 2011—State and territory, by preventable and treatable categories.

2009, 2010 (updated for revision to ABS cause of death data), 2011—Nationally, by preventable and treatable categories:

· Indigenous status

2007-2011—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, statistical area level 2 (SA2) code (ASGS 2011) N(9)

**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 2014 Council of Australian Governments (COAG) Reform Council (CRC) report:

- 2011 (Total population and Indigenous status at national level)
- Aggregated data 2007–2011 (Indigenous status)

Due to small number of Indigenous deaths reported each year, 5 year combined data will be reported for state and territory disaggregations.

ERP for total population is sourced from ERP rebased after the 2011 Census. ERP for Indigenous data is sourced from 2006 based ERP.

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 were revised for 2013 reporting.

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

## Representational attributes

Representation class: Rate

Data type: Real

Unit of measure: Person

Format: 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 Censusbased)

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).

collection required:

Further data development / 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 16-Potentially avoidable deaths, 2013

Health, Superseded 30/04/2014

Has been superseded by <u>National Healthcare Agreement: PI 16-Potentially</u> avoidable deaths, 2015

Health, Superseded 08/07/2016

See also National Healthcare Agreement: PI 03-Prevalence of overweight and obesity, 2014

Health, Superseded 14/01/2015

See also National Healthcare Agreement: PI 04-Rates of current daily smokers, 2014

Health, Superseded 14/01/2015

See also <u>National Healthcare Agreement: PI 05-Levels of risky alcohol consumption, 2014</u>

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 07-Infant and young child mortality rate, 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 18-Selected potentially preventable hospitalisations, 2014

Health, Superseded 14/01/2015

See also National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2014

Health, Superseded 14/01/2015