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

Exported from METEOR (AIHW's Metadata Online Registry)

National Healthcare Agreement: PI 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Registration status:	Health, Superseded 14/01/2015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Indicator set:	National Healthcare Agreement (2014) Health, Superseded 14/01/2015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Data quality statement:	National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2014 QS Health, Superseded 14/01/2015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 Codes	Limits (age, sex)	Treatable	Preventable
Infections				
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
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	
Cancer				
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 neoplam of eye and adnexa	C69			X
Diabetes	E10-E14		X (0.5)	X (0.5)
Drug use disorders				
Alcohol related disease	F10, I42.6, K29.2, K70			X
Illicit drug use disorders	F11-F16, F18, F19			X
Epilepsy	G40, G41		X	
Diseases of the circulatory system				
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)
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
Disease of the genitourinary system				
Nephritis and nephrosis	I12, I13, N00-N07, N17-N19		X	
Obstructive uropathy & prostatic hyperplasia	N13, N20, N21, N35, N40		X	
Diseases of the respiratory system				
COPD	J40-J44	45-74 years		X
Asthma	J45, J46	0-44 years	X	
Diseases of the digestive system				
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
Maternal & infant causes				
Birth defects	H31.1, P00, P04, Q00-Q99		X	
Complications of perinatal period	P03, P05-P95		X	
Unintentional injruies				
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
Intentional injuries				
Suicide and self-inflicted injuries	X60-X84, Y87.0, Y10-Y34			X

Condition	ICD codes			
Violence	X85-Y09, Y87.1			X
Other conditions				
Nutritional deficieny 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:

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

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

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

d = 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

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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

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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

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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

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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   [Deaths](#)
dimensions:

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   Australian Bureau of Statistics (ABS).
for providing data:

Further data development /   Specification: Minor work required, the measure needs minor work to meet the
collection required: 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 [National Healthcare Agreement: PI 16-Potentially 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 [National Healthcare Agreement: PI 05-Levels of risky alcohol consumption, 2014](#)
[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