

# National Healthcare Agreement: P20-Potentially avoidable deaths, 2010

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# National Healthcare Agreement: P20-Potentially avoidable deaths, 2010

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Potentially avoidable deaths, 2010
<b>METEOR identifier:</b>	394495
<b>Registration status:</b>	<a href="#">Health!</a> , Superseded 08/06/2011
<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>• potentially treatable deaths are those amenable to therapeutic interventions</li> </ul>
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2010)</a> <a href="#">Health!</a> , Superseded 08/06/2011
<b>Outcome area:</b>	<a href="#">Primary and Community Health</a> <a href="#">Health!</a> , Standard 07/07/2010
<b>Data quality statement:</b>	<a href="#">National Healthcare Agreement: P20-Potentially avoidable deaths, 2010 QS</a> <a href="#">Health!</a> , Superseded 08/06/2011

## Collection and usage attributes

<b>Population group age to:</b>	Less than 75 years
<b>Computation description:</b>	Deaths are defined as avoidable in the context of the present health system.  Rates are directly age-standardised to the Australian population as at 30 June 2001.  Presented per 100,000 population.

ICD-10 codes in scope are as specified below:

**Table 20A: ICD-10 codes for potentially avoidable deaths, by major cause of death group**

Cause of death group	ICD-10 Codes	Limits(age, sex)	Treatable	Preventable
<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
HM/AIDS	B20–B24			X
Viral pneumonia and influenza	J10, J12, J17.1, 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		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)
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			
Pulmonary embolism	I26			X
<b>Diseases of the genitourinary system</b>				
Nephritis and nephrosis	I12, I13, N00–N09, N17–N19		X	
Obstructive uropathy & prostatic hyperplasia	N13, N20, N21, N35, N40, N99.1		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, K91.5		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
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– M90			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

**Computation:** 100,000 x (Numerator ÷ Denominator)

Calculated separately for 'Preventable' and 'Treatable' categories, as per the table above.

**Numerator:** Number of deaths of persons aged less than 75 years, 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  
ICD-10 codes N99.1 and K91.5 cannot be used as underlying cause of death

**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 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, remoteness area and SEIFA of residence

**Comments:**

Specified disaggregation: Nationally and by state/territory: by Indigenous status, remoteness area and SEIFA of residence

Available disaggregation: Nationally and by state/territory: by Indigenous status

Data for 2008-09 will be available mid-2010 (2008 calendar year).

Most recent data available for 2010 CRC baseline report: 2007 (pending release of ABS data).

## 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 \(2001 Census-based\)](#)

**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) to provide the data. Data quality statement to be prepared by ABS in consultation with the Australian Institute of Health and Welfare.
- Further data development / collection required:** Specification: Interim  
International work is currently being undertaken to refine and standardise the definition of avoidable mortality.  
  
The specifications for this indicator could be modified following completion of the international work; for example, considering the prevalence of particular conditions, any advances in the effectiveness of healthcare and other interventions to prevent or treat them.



**Other issues caveats:**

Disaggregations within individual jurisdictions are subject to data quality considerations. Some disaggregations may result in numbers too small for publication.

Theoretically, this indicator could be adjusted for levels of community morbidity and risk factor prevalence. Or, information on risk factor prevalence and community morbidity could be used to assist interpretation of the indicator. There are currently no methods developed to undertake such adjustments.

The 75 years age cut-off is somewhat arbitrary, and will have different effects on different causes of death. For example, most car accident deaths will be included, but many hip fracture deaths will not be included.

Interpreting a change or difference in a mortality rate is problematic, as the change or difference could reflect variation in disease incidence, survival (case fatality) or both.

## Relational attributes

**Related metadata references:**

Has been superseded by [National Healthcare Agreement: P120-Potentially avoidable deaths, 2011](#)  
[Health!](#), Superseded 31/10/2011

See also [National Healthcare Agreement: P05-Proportion of persons obese, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P06-Proportion of adults who are daily smokers, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P07-Proportion of adults at risk of long-term harm from alcohol, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P09-Immunisation rates for vaccines in the national schedule, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P18-Life expectancy, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P19-Infant/young child mortality rate, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P22-Selected potentially preventable hospitalisations, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P43-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2010](#)  
[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P59-Age-standardised mortality by major cause of death, 2010](#)  
[Health!](#), Superseded 08/06/2011