

National Healthcare Agreement: PI 20-Potentially avoidable deaths, 2012

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National Healthcare Agreement: PI 20-Potentially avoidable deaths, 2012

Identifying and definitional attributes

| | |
|-------------------------|---|
| Metadata item type: | Indicator |
| Indicator type: | Progress measure |
| Short name: | PI 20-Potentially avoidable deaths, 2012 |
| METEOR identifier: | 443685 |
| Registration status: | Health , Superseded 25/06/2013 |
| Description: | Deaths that are potentially avoidable within the present health system: <ul style="list-style-type: none">• 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| Indicator set: | National Healthcare Agreement (2012) Health , Superseded 25/06/2013 |
| Outcome area: | Primary and Community Health Health , Standard 07/07/2010 |
| Data quality statement: | National Healthcare Agreement: PI 20-Potentially avoidable deaths, 2012 QS Health , Superseded 14/01/2015 |

Collection and usage attributes

| | |
|--------------------------|--|
| Population group age to: | 75 years |
| Computation description: | Deaths are defined as avoidable in the context of the present health system. |

ICD-10 codes in scope are as specified below:

| Cause of 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 |

| Cause of death group | ICD-10 Codes | Limits (age, sex) | Treatable | Preventable |
|---|------------------------|-------------------|-----------|-------------|
| Ear infections—otitis media and mastoiditis | H65–H70 | | X | |
| Upper respiratory tract infection | J00–J06 | | 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 neoplasm 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 |

| Cause of death group | ICD-10 Codes | Limits (age, sex) | Treatable | Preventable |
|---|--------------------------------------|-------------------|-----------|-------------|
| Phlebitis and thrombophlebitis of other deep vessels of lower extremities | I80.2 | | | X |
| Pulmonary embolism | I26 | | | X |
| Diseases 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 injuries | | | | |
| 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 |
| Violence | X85–Y09, Y87.1 | | | X |
| Other conditions | | | | |
| Nutritional deficiency anaemia | D50–D53 | | | X |

| Cause of death group | ICD-10 Codes | Limits (age, sex) | Treatable | Preventable |
|--|-------------------|-------------------|-----------|-------------|
| 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:

Denominator data elements:

Population aged less than 75 years

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 and 2008 (updated for ABS revised cause of death data and variability bands) and 2009—Nationally, by preventable and treatable categories:

- Indigenous status

2003–2007 and 2004–2008 (updated for ABS revised cause of death data) and 2005–2009—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 2012 CRC report:

- 2009 (Total population)
- Aggregated data 2005–2009 (Indigenous status)

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.

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).

Benchmark: [National Healthcare Agreement: PB 02—By 2018, reduce the national smoking rate to 10 per cent of the population and halve the Indigenous smoking rate \(Baseline specification\), 2012](#)

Further data development / collection required: Specification: Interim

Relational attributes

**Related metadata
references:**

Supersedes [National Healthcare Agreement: PI 20-Potentially avoidable deaths, 2011](#)

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

Has been superseded by [National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2013](#)

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

See also [National Healthcare Agreement: PB 02-By 2018, reduce the national smoking rate to 10 per cent of the population and halve the Indigenous smoking rate \(Baseline specification\), 2012](#)

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

[Indigenous](#), Standard 11/09/2012

See also [National Healthcare Agreement: PB 03-By 2017, increase by five percentage points the proportion of Australian adults and children at a healthy body weight, over the 2009 baseline \(Baseline specification\), 2012](#)

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

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 05-Proportion of persons obese, 2012](#)

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

See also [National Healthcare Agreement: PI 06-Proportion of adults who are daily smokers, 2012](#)

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

See also [National Healthcare Agreement: PI 07-Proportion of adults at risk of long-term harm from alcohol, 2012](#)

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

See also [National Healthcare Agreement: PI 09-Immunisation rates for vaccines in the national schedule, 2012](#)

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

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 22-Selected potentially preventable hospitalisations, 2012](#)

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

See also [National Healthcare Agreement: PI 43-Unplanned/unexpected readmissions within 28 days of selected surgical episodes of care, 2012](#)

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

See also [National Healthcare Agreement: PI 59-Age-standardised mortality by major cause of death, 2012](#)

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