

National Healthcare Agreement: PI 16—Potentially avoidable deaths, 2019

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.

Enquiries or comments on the METEOR metadata or download should be directed to the METEOR team at meteor@aihw.gov.au.

National Healthcare Agreement: PI 16–Potentially avoidable deaths, 2019

Identifying and definitional attributes

| | |
|-----------------------------|---|
| Metadata item type: | Indicator |
| Indicator type: | Progress measure |
| Short name: | PI 16–Potentially avoidable deaths, 2019 |
| METEOR identifier: | 698908 |
| Registration status: | Health , Superseded 13/03/2020 |
| Description: | Deaths from conditions that are potentially preventable through individualised care and/or treatable through existing primary or hospital care. |
| Indicator set: | National Healthcare Agreement (2019) Health , Superseded 13/03/2020 |
| Outcome area: | Primary and Community Health Health , Standard 07/07/2010 |

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: |

Table 1: Potentially avoidable deaths International Classification of Disease (ICD-10) Codes

| Cause of death groups | ICD-10 Codes | Limits (age, sex) |
|--|---|-------------------|
| Infections | | |
| Selected invasive infections | A38–A41, A46, A48.1, G00, G03, J02.0, J13–J16, J18, L03 | |
| Viral pneumonia and influenza | J10–J12 | |
| HIV/AIDS | B20–B24 | |
| Cancer | | |
| Colorectal | C18–C21 | |
| Skin | C43, C44 | |
| Breast | C50 | Female |
| Cervix | C53 | |
| Prostate | C61 | |
| Kidney | C64 | |
| Thyroid | C73 | |
| Hodgkin's disease | C81 | |
| Acute lymphoid leukaemia/Acute lymphoblastic leukaemia | C91.0 | 0–44 years |

| | | |
|--|---------------------------------|--|
| Diabetes | E10–E14 | |
| Diseases of the circulatory system | | |
| Rheumatic and other valvular heart disease | I00–I09, I33–I37 | |
| Hypertensive heart and renal disease | I10–I13 | |
| Ischaemic heart disease | I20–I25 | |
| Cerebrovascular diseases | I60–I69 | |
| Heart failure | I50, I51.1, I51.2, I51.4, I51.5 | |
| Pulmonary embolism | I26 | |
| Diseases of the genitourinary system | | |
| Renal failure | N17–N19 | |
| Diseases of the respiratory system | | |
| COPD | J40–J44 | |
| Asthma | J45, J46 | |
| Diseases of the digestive system | | |
| Peptic ulcer disease | K25–K27 | |
| Maternal & infant causes | | |
| Complications of the perinatal period | P00–P96 | |
| Other conditions | | |
| Complications of pregnancy, labour or the puerperium | O00–O99 | |
| Selected external causes of morbidity and mortality | | |
| Falls | W00–W19 | |
| Fires, burns | X00–X09 | |
| Suicide and self-inflicted injuries | X60–X84, Y87.0 | |
| Misadventures to patients during surgical and medical care | Y60–Y69 | |
| Medical devices associated with adverse incidents in diagnostic and therapeutic use | Y70–Y82 | |
| 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 | |
| Other external causes of morbidity and mortality | | |
| Transport accidents | V01–V99 | |
| Exposure to inanimate mechanical forces | W20–W49 | |
| Exposure to animate mechanical forces | W50–W64 | |
| Accidental drowning and submersion | W65–W74 | |
| Other accidental threats to breathing | W75–W84 | |
| Exposure to electric current, radiation and extreme ambient air temperature and pressure | W85–W99 | |
| Contact with heat and hot substances | X10–X19 | |
| Contact with venomous animals and plants | X20–X29 | |
| Exposure to forces of nature | X30–X39 | |

| | | |
|---|---------------------|--|
| Accidental poisoning by and exposure to noxious substances | X40–X49 | |
| Overexertion, travel and privation | X50–X57 | |
| Accidental exposure to other and unspecified factors | X58,X59 | |
| Assault | X85–Y09 | |
| Event of undetermined intent | Y10–Y34 | |
| Legal interventions and operations of war | Y35, Y36 | |
| Drugs, medicaments and biological substances causing adverse effects in therapeutic use | Y40–Y59 | |
| Sequelae of external causes of morbidity and mortality | Y85, Y86, Y87.1–Y89 | |

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)

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_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

Data Element

Person—age

Data Source

[ABS Causes of Death Collection](#)

Guide for use

Data source type: Registry

Data Element / Data Set

Data Element

Person—underlying cause of death, code (ICD-10) ANN

Data Source

[ABS Causes of Death Collection](#)

Guide for use

Data source type: Registry

Denominator:

Population aged less than 75

Denominator data elements:

Data Element / Data Set

Data Element

Person—estimated resident population of Australia

Data Source

[ABS Estimated resident population \(2011 Census-based\)](#)

Guide for use

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

Data Element / Data Set

Data Element

Person—estimated resident population of Australia

Data Source

[ABS Indigenous estimates and projections \(2011 Census-based\)](#)

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 \(2011 Census-based\)](#)

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 Indigenous estimates and projections \(2011 Census-based\)](#)

Guide for use

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

Disaggregation:

2014, 2015, 2016 (resupplied for revision to ABS cause of death data), 2017—State and territory.

2014, 2015, 2016 (updated for revision to ABS cause of death data), 2017—Nationally, by Indigenous status (not reported).

2010–2014, 2011–2015, 2012–2016 (updated for revision to ABS cause of death data), 2013–2017—State and territory, 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—New South Wales, Queensland, South Australia, Western Australia, Northern Territory.

Disaggregation data elements:

Data Element / Data Set

Data Element

Person—underlying cause of death, code (ICD-10) ANN

Data Source

[ABS Causes of Death Collection](#)

Guide for use

Data source type: Registry

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 \(ASGS 2016\) 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 2019 National Healthcare Agreement performance reporting:

- 2017 (Total population and Indigenous status at national level)
- Aggregated data 2013–2017 (Indigenous status)

A number of updates to the ICD-10 were applied to 2013 and subsequent years causes of death data. Details of the impact of these changes on the mortality data are described in [ABS Implementation of Iris Software: Understanding Coding and Process Improvements](#).

2013 data are coded using ICD-10 (2013 version). 2014, 2015, 2016 and 2017 data are coded using ICD-10 (2015 version).

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

Estimated Residential Population (ERP) for total population is sourced from ERP rebased after the 2011 Census. ERP for Indigenous data is sourced from 2011 based ERP.

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 \(2011 Census-based\)](#)

Frequency

Quarterly

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 estimates and projections \(2011 Census-based\)](#)

Frequency

Periodic

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.

Source and reference attributes

Reference documents: ABS (Australian Bureau of Statistics) 2015. Causes of Death, Australia, 2013. ABS cat.no. 3303.0. Canberra: ABS

Relational attributes

**Related metadata
references:**

Supersedes [National Healthcare Agreement: PI 16–Potentially avoidable deaths, 2018](#)

[Health](#), Superseded 19/06/2019

Has been superseded by [National Healthcare Agreement: PI 16–Potentially avoidable deaths, 2020](#)

[Health](#), Standard 13/03/2020

See also [National Healthcare Agreement: PI 03–Prevalence of overweight and obesity, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 04–Rates of current daily smokers, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 05–Levels of risky alcohol consumption, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 06–Life expectancy, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 07–Infant and young child mortality rate, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 08–Major causes of death, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 18–Selected potentially preventable hospitalisations, 2019](#)

[Health](#), Superseded 13/03/2020

See also [National Healthcare Agreement: PI 23–Unplanned hospital readmission rates, 2019](#)

[Health](#), Superseded 13/03/2020