

# National Healthcare Agreement: PI 09—Incidence of heart attacks (acute coronary events), 2020

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# National Healthcare Agreement: PI 09—Incidence of heart attacks (acute coronary events), 2020

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Progress measure
<b>Short name:</b>	PI 09—Incidence of heart attacks (acute coronary events), 2020
<b>METEOR identifier:</b>	716355
<b>Registration status:</b>	<a href="#">Health!</a> , Standard 13/03/2020
<b>Description:</b>	Incidence of acute coronary events (acute myocardial infarction and unstable angina).
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2020)</a> <a href="#">Health!</a> , Standard 13/03/2020
<b>Outcome area:</b>	<a href="#">Prevention</a> <a href="#">Health!</a> , Standard 07/07/2010

## Collection and usage attributes

<b>Population group age from:</b>	25 years
<b>Computation description:</b>	<p>Rates are directly age-standardised to the 2001 Australian population.</p> <p>Count (a) number of deaths where ‘acute coronary heart disease’ (International Classification of Diseases 10th Revision (ICD-10) codes I20–I24) is the underlying cause of death in each calendar year (based on year of registration of death).</p> <p>Count (b) number of non-fatal hospital separations where ‘acute myocardial infarction’ (ICD-10-AM I21) or ‘unstable angina’ (ICD-10-AM I20.0) is the principal diagnosis, and separation mode is not equal to ‘died’ or ‘transferred to another acute hospital’, and care type is not equal to <i>Newborns without qualified days or posthumous organ procurement or hospital boarder</i> in each calendar year (based on discharge date from hospital).</p> <p>The number of acute coronary events is estimated by (a) + (b).</p>
<b>Computation:</b>	$100,000 \times (\text{Numerator} \div \text{Denominator})$
<b>Numerator:</b>	Number of deaths recorded with an underlying cause of acute coronary heart disease (a) plus the number of non-fatal hospitalisations with a principal diagnosis of acute myocardial infarction or unstable angina that do not end in death or a transfer to another acute hospital (b). For ages 25 and over.

### Numerator data elements:

#### Data Element / Data Set

Person—underlying cause of death, code (ICD-10) ANN{.N}

#### Data Source

[AIHW National Mortality Database](#)

#### Data Element / Data Set

Person—year of registration of death, (YYYY)

#### Data Source

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Episode of admitted patient care—separation date, DDMMYYYY](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

NMDS / DSS

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Episode of admitted patient care—separation mode, code N](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

NMDS / DSS

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

NMDS / DSS

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Person—date of death, DDMMYYYY](#)

**Data Source**

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Person—age range, code NN](#)

**Data Source**

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Hospital service—care type, code N\[N\]](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 10th edn\) ANN{.N\[N\]}](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2017-18](#)

**Denominator:**

**Denominator data elements:**

Total population aged 25 and over for calendar year in question.

**Data Element / Data Set**

Person—projected Indigenous population of Australia, total people N[N(7)]

**Data Source**

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

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

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

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Guide for use**

Data source: ABS standard population (2001)

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

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

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Estimated resident population \(2016 Census-based\)](#)

**Data Element / Data Set**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**Guide for use**

Data source: ABS standard population (2001)

**Data Element / Data Set**

[Person—estimated resident population of Australia, total people N\[N\(7\)\]](#)

**Data Source**

[ABS Estimated resident population \(2016 Census-based\)](#)

**Disaggregation:**

2015, 2016 (resupplied for revisions to the National Mortality Database), and 2017 —Nationally, by:

- age group and sex.

2015, 2016 (resupplied for revisions to the National Mortality Database), and 2017 —State/Territory of usual residence.

2015, 2016 (resupplied for revisions to the National Mortality Database), and 2017 —Nationally (for states and territories with adequate identification in both hospital and deaths data), by:

- Indigenous status (not reported).

**Disaggregation data elements:**

**Data Element / Data Set**

[Person—sex, code N](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Person—sex, code N](#)

**Data Source**

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Person—age range, code NN](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

NMDS / DSS

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Person—age range, code NN](#)

**Data Source**

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

NMDS / DSS

[Admitted patient care NMDS 2017-18](#)

**Data Element / Data Set**

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2016\) N\(9\)](#)

**Data Source**

[National Hospital Morbidity Database \(NHMD\)](#)

NMDS / DSS

[Admitted patient care NMDS 2017-18](#)

#### Data Element / Data Set

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2016\) N\(9\)](#)

#### Data Source

[AIHW National Mortality Database](#)

#### Comments:

Most recent data available for 2020 National Healthcare Agreement performance reporting: 2017.

This is a measure of the number of acute coronary events in a calendar year. An individual may have more than one event during a year.

This indicator has previously been published at the national level by age and sex.

The data for state/territory (of usual residence) has previously been published. Comparison of acute coronary event rates between jurisdictions should not be made as an AIHW assessment of validity study (based on New South Wales and Western Australia data) has shown that there are variations in the ascertainment of acute coronary events between jurisdictions. This is likely due to differing treatment and referral patterns and data recording practices across states/territories, which are likely to have an impact on administrative records and affect jurisdictional comparability.

### Representational attributes

<b>Representation class:</b>	Rate
<b>Data type:</b>	Real
<b>Unit of measure:</b>	Episode
<b>Format:</b>	N[NNN].N

### Data source attributes

**Data sources:**

<p><b>Data Source</b></p> <p><a href="#">ABS Indigenous estimates and projections (2011 Census-based)</a></p> <p><b>Frequency</b></p> <p>Periodic</p> <p><b>Data custodian</b></p> <p>Australian Bureau of Statistics</p>
<p><b>Data Source</b></p> <p><a href="#">National Hospital Morbidity Database (NHMD)</a></p> <p><b>Frequency</b></p> <p>Annual</p> <p><b>Data custodian</b></p> <p>Australian Institute of Health and Welfare</p>
<p><b>Data Source</b></p> <p><a href="#">AIHW National Mortality Database</a></p> <p><b>Frequency</b></p> <p>Annual</p> <p><b>Data custodian</b></p> <p>Australian Institute of Health and Welfare</p>
<p><b>Data Source</b></p> <p><a href="#">ABS Estimated resident population (2016 Census-based)</a></p> <p><b>Frequency</b></p> <p>Quarterly</p> <p><b>Data custodian</b></p> <p>Australian Bureau of Statistics</p>

**Accountability attributes**

- Reporting requirements:** National Healthcare Agreement
- Organisation responsible for providing data:** Australian Institute of Health and Welfare
- Further data development / collection required:** Specification: Any further improvements in diagnostic sensitivity and treatment patterns for acute coronary events will need to be taken into account in trend analysis.

**Relational attributes**



**Related metadata references:**

Supersedes [National Healthcare Agreement: PI 09–Incidence of heart attacks \(acute coronary events\), 2019](#)

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

Has been superseded by [National Healthcare Agreement: PI 09–Incidence of heart attacks \(acute coronary events\), 2021](#)

[Health!](#), Standard 16/09/2020

See also [Australian Health Performance Framework: PI 3.1.1–Incidence of heart attacks \(acute coronary events\), 2019](#)

[Health!](#), Standard 09/04/2020

See also [Australian Health Performance Framework: PI 3.1.1–Incidence of heart attacks \(acute coronary events\), 2020](#)

[Health!](#), Standard 13/10/2021