

# National Healthcare Agreement: PI 09-Incidence of heart attacks, 2014

## 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, 2014
<b>METEOR identifier:</b>	517669
<b>Registration status:</b>	<ul style="list-style-type: none"><li>• <a href="#">Health</a>, Superseded 14/01/2015</li></ul>
<b>Description:</b>	Incidence of heart attacks.
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2014)</a> <a href="#">Health</a> , Superseded 14/01/2015
<b>Quality statement:</b>	<a href="#">National Healthcare Agreement: PI 09-Incidence of heart attacks, 2014 QS</a> Health, Superseded 14/01/2015

## Collection and usage attributes

<b>Computation description:</b>	Rates directly age-standardised to the 2001 Australian population.  Count (a) number of deaths where 'acute coronary heart disease' (ICD-10 codes I20–I24) is the underlying cause of death in each calendar year (based on year of registration of death).  Count (b) number of non-fatal hospitalisations where 'acute myocardial infarction' (ICD-10-AM I21) or 'unstable angina' (ICD-10-AM I20.0) are the principal diagnosis, and separation mode is not equal to 'died' or 'transferred to another acute hospital', and care type is not equal to 'new born-unqualified days only' or 'organ procurement – posthumous' or 'hospital boarder' in each calendar year (based on discharge date from hospital).  The number of acute coronary events is estimated by (a) + (b).
<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 a transfer to another acute hospital (b). For ages greater than 24 years.

### Numerator data elements:

#### Data Element / Data Set

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

#### Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2011-12](#)

#### Data Element / Data Set

[Person—Indigenous status, code N](#)

#### Data Source

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Person—underlying cause of death, code \(ICD-10 2nd edn\) ANN-ANN](#)

**Data Source**

[AIHW National Mortality Database](#)

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 7th edn\) ANN{,N\[N\]};](#)

**Data Source**

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

NMDS / DSS

[Admitted patient care NMDS 2011-12](#)

**Data Element / Data Set**

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

**Data Source**

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

NMDS / DSS

[Admitted patient care NMDS 2011-12](#)

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

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

NMDS / DSS

[Admitted patient care NMDS 2011-12](#)

**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 2011-12](#)

**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 2011-12](#)

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

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

NMDS / DSS

[Admitted patient care NMDS 2011-12](#)

**Data Element / Data Set**

[Person—sex, code N](#)

**Data Source**

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

NMDS / DSS

[Admitted patient care NMDS 2011-12](#)

**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 \(NHMD\)](#)

**Data Element / Data Set**

[Person—age range, code NN](#)

**Data Source**

[AIHW National Mortality Database](#)

**Denominator:**

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

**Denominator data elements:**

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Data Element / Data Set**

[Person—age, total years N\[NN\]](#)

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Data Element / Data Set**

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

**Data Source**

[ABS Estimated resident population \(total population\)](#)

**Data Element / Data Set**

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

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Disaggregation:**

2007, 2008 (resupplied for updated Estimated Resident Population (ERP)), 2009, 2010 (resupplied for updated ERP and revisions to the National Mortality Database (NMD)), 2011 — Nationally, by:

- age group and sex

2007, 2008 (resupplied for refinement of age-standardisation methodology), 2009, 2010 (resupplied for refinement of age-standardisation methodology and revisions to the NMD), 2011—Nationally, by:

- Indigenous status (for states and territories with adequate identification in hospital and deaths data)

**Disaggregation data elements:**

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2009-10](#)

**Data Element / Data Set**

[Person—sex, code N](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Data Element / Data Set**

[Person—age range, code NN](#)

**Data Source**

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

**Comments:**

Most recent data available for 2014 Council of Australian Governments (COAG) Reform Council (CRC) report: 2011.

This is a measure of the number of acute coronary events in a 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. Assessment of appropriateness to disaggregate below this level will be undertaken prior to reporting.

The computation method has recently been revised and should be considered 'preliminary' until work on validation is complete. The computation method for age-standardisation of data reported by Indigenous status has been refined since the previous cycle.

Note that updated ERP by Indigenous status is not available for this cycle. Data by Indigenous status is calculated using ERP determined prior to the final rebased ERP provided after the 2011 Census. It is expected that final rebased ERP by Indigenous status will be available for the next cycle of reporting.

**Representational attributes**

**Representation class:** Rate

**Data type:** Real

**Unit of measure:** Episode  
**Format:** N[NN].N.

## Data source attributes

**Data sources:** **Data Source**

[ABS Estimated resident population \(total population\)](#)

**Frequency**

Quarterly

**Quality statement**

[ABS Estimated resident population \(total population\), QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

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

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

**Data Source**

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

**Frequency**

Periodic

**Quality statement**

[ABS Indigenous experimental estimates and projections, QS](#)

**Data custodian**

Australian Bureau of Statistics

**Data Source**

[AIHW National Mortality Database](#)

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

## Accountability attributes

**Reporting requirements:** National Healthcare Agreement

**Organisation responsible for providing data:** Australian Institute of Health and Welfare

**Further data development / collection required:** Specification: Substantial work required, the measure requires significant work to be undertaken to validate both nationally and for disaggregation by jurisdiction.

The method has been recently reviewed and is preliminary, until validation work is complete. Any further improvements in diagnostic sensitivity and treatment patterns for acute coronary events will need to be taken into account in trend analysis.

## Source and reference attributes

## Relational attributes

### Related metadata references:

Has been superseded by [National Healthcare Agreement: PI 09-Incidence of heart attacks \(acute coronary events\), 2015](#)

- [Health](#), Superseded 08/07/2016

Supersedes [National Healthcare Agreement: PI 09-Incidence of heart attacks, 2013](#)

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