

# **Australian Atlas of Healthcare Variation: Number of acute myocardial infarction hospitalisations with coronary angiography per 100,000 people, 35-84 years, 2014-15**

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# Australian Atlas of Healthcare Variation: Number of acute myocardial infarction hospitalisations with coronary angiography per 100,000 people, 35-84 years, 2014-15

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Acute myocardial infarction hospitalisations with coronary angiography 35-84 years, 2014-15
<b>METEOR identifier:</b>	640841
<b>Registration status:</b>	<a href="#">Australian Commission on Safety and Quality in Health Care, Standard 07/06/2017</a>
<b>Description:</b>	Number of acute myocardial infarction hospitalisations with coronary angiography per 100,000 people aged 35-84 years, age and sex standardised. Data are disaggregated by the area in which the person lives.
<b>Indicator set:</b>	<a href="#">Australian Atlas of Healthcare Variation 2017</a> <a href="#">Australian Commission on Safety and Quality in Health Care, Standard 07/06/2017</a>

## Collection and usage attributes

**Population group age from:** 35-84 years

**Computation description:**

### Inclusion codes, description and additional requirements

ICD-10-AM 8th edn code	Description	Additional requirements
I21.0	Acute transmural myocardial infarction of anterior wall	Principal diagnosis
I21.1	Acute transmural myocardial infarction of inferior wall	
I21.2	Acute transmural myocardial infarction of other sites	
I21.3	Acute transmural myocardial infarction of unspecified site	
I21.4	Acute subendocardial myocardial infarction	
I21.9	Acute myocardial infarction, unspecified	

ACHI 8th edition code	Description	Additional requirements
38215-00 [668]	Coronary angiography	Include records with at least one of the listed procedures. A record with more than one of the listed procedures is only counted once.
38218-00 [668]	Coronary angiography with left heart catheterisation	

38218-01 [668]	Coronary angiography with right heart catheterisation
38218-02 [668]	Coronary angiography with left and right heart catheterisation

Care type	Description
1	Acute care

Presented as a number per 100,000 people.

Rates are directly age- and sex- standardised, to the 2001 Australian population aged 35-84, using 5-year age groups: 35-39, 40-44, ... , 80-84.

Indigenous and other Australian rates are directly age and sex standardised, to the 2001 Australian population aged 35-84, using 5-year age groups: 35-39, 40-44, ... , 60-64, 65-84.

For more information about age-standardisation in general see </content/index.phtml/itemId/327276>

Analysis by Statistical Area Level 3 (SA3) is based on Statistical Area Level 2 (SA2) of usual residence of the patient.

Suppress data (number or rate) if at least one of the following conditions are met:

- the total denominator is less than 1,000
- the total numerator is less than 20

Age and sex standardised rates are suppressed where the denominator for at least one of the age and sex groups used to calculate the rate is below 30.

**Computation:**

$100,000 \times (\text{Numerator} \div \text{Denominator})$

**Numerator:**

**Numerator data elements:**

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2014-15](#)

**Guide for use**

Data source: Administrative by-product data

**Data Element / Data Set**

[Episode of admitted patient care—procedure, code \(ACHI 8th edn\) NNNNN-NN](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2014-15](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 8th edn\) ANN{.N\[N\]}](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2014-15](#)

**Guide for use**

Data source: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2014-15](#)

**Guide for use**

Data source type: Administrative by-product data

**Denominator:**

Total population aged 35-84 years

**Denominator data elements:**

**Data Element / Data Set**

**Data Element**

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

**Data Source**

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

**Guide for use**

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

**Disaggregation:**

SA3 by:

- Remoteness (ASGC Remoteness structure) and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socioeconomic Disadvantage (IRSD)

State and territory by:

- Indigenous status
- Patient funding status

**Disaggregation data elements:**

**Data Element / Data Set**

[Person—area of usual residence, statistical area level 2 \(SA2\) code \(ASGS 2011\) N\(9\)](#)

**Data Source**

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

## Representational attributes

**Representation class:** Rate  
**Data type:** Integer  
**Unit of measure:** Episode  
**Format:** N[NNNN]

## Data source attributes

## Data sources:

### 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

### Data Source

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

#### Frequency

Annual

#### Data custodian

Australian Institute of Health and Welfare

### 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

## Accountability attributes

**Methodology:** Statistical Area Level 3 (SA3s) are geographic areas defined in the ABS Australian Statistical Geography Standard (ASGS). The aim of SA3s is to create a standard framework for the analysis of ABS data at the regional level through clustering groups of SA2s that have similar regional characteristics. There are 333 spatial SA3s covering the whole of Australia without gaps or overlaps. They are designed to provide a regional breakdown of Australia. SA3s generally have a population of between 30,000 and 130,000 people. There are approximately 50 with fewer than 30,000 people and 35 with more than 130,000 as at 30 June 2011. For further information see the ABS publication, Australian Statistical Geography Standard (ASGS): Volume 1 – Main Structure and Greater Capital City Statistical Areas, July 2011 (cat. no. 1270.0.55.001).

The scope of the NHMD is episodes of care for admitted patients in all public and private acute and psychiatric hospitals, free-standing day hospital facilities and alcohol and drug treatment centres in Australia. Hospitals operated by the Australian Defence Force, corrections authorities and in Australia's off-shore territories are not in scope, but some are included.

Private hospitals include private free-standing day hospital facilities and other private hospitals (which also include private psychiatric hospitals).

For additional context, the proportion of hospitalisations involving a transfer to another acute hospital (mode of separation = 1) was also provided.

**Reporting requirements:** Australian Commission on Safety and Quality in Health Care

*Australian Atlas of Healthcare Variation*

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

**Accountability:** Australian Commission on Safety and Quality in Health Care

**Release date:** 07/06/2017