

National Healthcare Agreement: PI 09—Incidence of heart attacks (acute coronary events), 2021

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National Healthcare Agreement: PI 09—Incidence of heart attacks (acute coronary events), 2021

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 09—Incidence of heart attacks (acute coronary events), 2021
METEOR identifier:	725811
Registration status:	Health , Standard 16/09/2020
Description:	Incidence of acute coronary events (acute myocardial infarction and unstable angina).
Indicator set:	National Healthcare Agreement (2021) Health , Standard 19/11/2020
Outcome area:	Prevention Health , Standard 07/07/2010

Collection and usage attributes

Population group age from:	25 years
Computation description:	<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 equal to <i>acute care</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>
Computation:	$100,000 \times (\text{Numerator} \div \text{Denominator})$
Numerator:	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

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—age range, code NN](#)

Data Source

[National Mortality Database](#)

Guide for use

Data source type: 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 2017-18](#)

Guide for use

Data source type: 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 2018-19](#)

Guide for use

Data source type: Administrative by-product data

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](#)

Guide for use

Data source type: Administrative by-product data

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 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Person—year of registration of death, (YYYY)

Data Source

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data

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](#)

Guide for use

Data source type: Administrative by-product data

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 2018-19](#)

Guide for use

Data source type: Administrative by-product data

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](#)

Guide for use

Data source type: Administrative by-product data

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 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—date of birth, DDMMYYYY](#)

Data Source

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

NMDS / DSS

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—date of birth, DDMMYYYY](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Denominator:

Denominator data elements:

[Person—date of death, DDMMYYYY](#)

Data Source

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data
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 \(2011 Census-based\)](#)

Guide for use

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

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

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

Guide for use

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

Data Element / Data Set

[Person—age, total years N\[NN\]](#)

Data Source

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

Guide for use

Data source type: Census-based data 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 \(2016 Census-based\)](#)

Guide for use

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

Disaggregation:

2016, 2017 (resupplied for revisions to the National Mortality Database), and 2018
—Nationally, by:

- age group and sex.

2016, 2017 (resupplied for revisions to the National Mortality Database), and 2018
—State/territory of usual residence.

2016, 2017 (resupplied for revisions to the National Mortality Database), and 2018
—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](#)

Guide for use

Data source type: Administrative by-product data

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](#)

Guide for use

Data source type: Administrative by-product data

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 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

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

Data Source

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—sex, code N](#)

Data Source

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—age range, code NN](#)

Data Source

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

NMDS / DSS

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—age range, code NN](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—age range, code NN](#)

Data Source

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

[National Mortality Database](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

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

NMDS / DSS

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

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—sex, code X](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2018-19](#)

Guide for use

Data source type: Administrative by-product data

Comments:

Most recent data available for 2021 National Healthcare Agreement performance reporting: 2018.

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

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

Data source attributes

Data sources:

Data Source

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

Frequency

Periodic

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

[National Mortality Database](#)

Frequency

Annual

Data custodian

Australian Institute of Health and Welfare

Data Source

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

Frequency

Quarterly

Data custodian

Australian Bureau of Statistics

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 \(acute coronary events\), 2020](#)

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

Has been superseded by [National Healthcare Agreement: PI 09—Incidence of heart attacks \(acute coronary events\), 2022](#)

[Health](#), Standard 24/09/2021

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

[Health](#), Superseded 13/10/2021