National Healthcare Agreement: PI 09–Incidence of heart attacks (acute coronary events), 2022

Exported from METEOR (AIHW's Metadata Online Registry)

National Healthcare Agreement: PI 09–Incidence of heart attacks (acute coronary events), 2022

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Progress measure
Short name:	PI 09–Incidence of heart attacks (acute coronary events), 2022
METEOR identifier:	740878
Registration status:	Health, Standard 24/09/2021
Description:	Incidence of acute coronary events (acute myocardial infarction and unstable angina).
Indicator set:	National Healthcare Agreement (2022) Health, Standard 24/09/2021
Outcome area:	Prevention Health, Standard 07/07/2010

Collection and usage attributes

Population group age from:	25 years
Computation description:	Rates are directly age-standardised to the 2001 Australian population. The number of acute coronary events is estimated by (a) + (b), where: (a) = The number of deaths where 'acute coronary heart disease' is the underlying cause of death in each calendar year (based on year of registration of death). • 'Acute coronary heart disease' is defined using codes I20–I24 under the International Classification of Diseases 10th Revision, Australian Modification (ICD-10-AM) 10th and 11th edns. (b) = The number of non-fatal hospital separations, where: • 'Acute myocardial infarction' (ICD-10-AM 10th and 11th edn code I21) or 'unstable angina' (ICD-10-AM 10th and 11th edn 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 '*acute care'* in each calendar year (based on discharge date from hospital).
Computation:	Crude rate: 100,000 x (Numerator ÷ 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 2018-19

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 2019-20

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

Episode of care—principal diagnosis, code (ICD-10-AM 11th edn) ANN{.N[N]}

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2019-20

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 2018-19

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 2019-20

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

Episode of admitted patient care—separation mode, code N

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2019-20

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

Person—date of birth, DDMMYYYY

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2019-20

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Person—date of death, DDMMYYYY

Data Source

National Mortality Database

Guide for use

Data source type: Administrative by-product data

Denominator:

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

Denominator data elements:

Data Element / Data Set

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

Data Source

ABS Indigenous estimates and projections (2016 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 (2016 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—age, total years N[NN]

Data Source

ABS Indigenous estimates and projections (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:

2017, 2018 (resupplied for revisions to the National Mortality Database), and 2019—Nationally, by:

- age group (25–34, 35–44, 45–54, 55–64, 65–74, 75–84, 85+) and sex.

2017, 2018 (resupplied for revisions to the National Mortality Database), and 2019—State/territory of usual residence.

2017, 2018 (resupplied for revisions to the National Mortality Database), and 2019—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 Mortality Database

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 Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2019-20

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—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 Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2019-20

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 2018-19

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 2019-20

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

Data Element / Data Set

Person—sex, code X

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2019-20

Guide for use

Data source type: Administrative by-product data

Comments:

Most recent data available for 2022 National Healthcare Agreement performance reporting: 2019.

Compilation of calendar year data from the Admitted patient care NMDS requires data from 2 financial years (e.g. 2019 calendar year data uses Admitted patient care NMDSs for 2018–19 and 2019–20).

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.

Further details on the incidence of heart attacks among Indigenous Australians are available from the Aboriginal and Torres Strait Islander Health Performance Framework (measure 1.05: Circulatory disease).

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 (2016 Census-based)

Frequency

Periodic

Data custodian

Australian Bureau of Statistics

Data Source

National Mortality Database

Frequency

Annual

Data custodian

Australian Institute of Health and Welfare

Data Source

National Hospital Morbidity Database (NHMD)

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.

Source and reference attributes

Reference documents: Australian Institute of Health and Welfare (AIHW) 2020. *Aboriginal and Torres Strait Islander Health Performance Framework*. Canberra: AIHW. Viewed 19 February 2021, https://indigenoushpf.gov.au/

Relational attributes

Related metadata references:

Supersedes 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), 2020
Health, Superseded 07/09/2023

See also Australian Health Performance Framework: PI 3.1.1–Incidence of heart attacks (acute coronary events), 2021
Health, Standard 07/09/2023

See also Australian Health Performance Framework: PI 3.1.1–Incidence of heart attacks (acute coronary events), 2022
Health, Qualified 28/06/2024