National Healthcare Agreement: PI 09-Incidence of heart attacks, 2013

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National Healthcare Agreement: PI 09-Incidence of heart attacks, 2013

Identifying and definitional attributes

Metadata item type: Indicator

Indicator type: Progress measure

Short name: PI 09-Incidence of heart attacks, 2013

METEOR identifier: 497512

Registration status: Health, Superseded 30/04/2014

Description: Incidence of heart attacks.

Indicator set: National Healthcare Agreement (2013)
Health, Superseded 30/04/2014

Data quality statement: National Healthcare Agreement: PI 09-Incidence of heart attacks, 2013 QS
Health, Superseded 14/01/2015

Collection and usage attributes

Computation description: 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).

Computation: 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 a transfer to another acute hospital (b). For ages > 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 2009-10

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 2009-10

Data Element / Data Set

Hospital service—care type, code N[N]

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2009-10

Data Element / Data Set

Establishment—sector, code N

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2009-10

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 2009-10

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 2009-10

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 2009-10

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 2009-10

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, 2009, 2010 — Nationally, by:

- age group and sex
- 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 2009-10

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 2009-10

Data Element / Data Set

Person—age range, code NN

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2009-10

Comments:

Most recent data available for 2013 Council of Australian Governments (COAG) Reform Council (CRC) report: 2010.

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.

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

Data 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

Data 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.

Relational attributes

Related metadata references:	Has been superseded by National Healthcare Agreement: PI 09-Incidence of heart attacks, 2014 Health, Superseded 14/01/2015