

Indigenous Better Cardiac Care measure: 2.1- Cardiac-related diagnostic tests, 2016

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Indigenous Better Cardiac Care measure: 2.1-Cardiac-related diagnostic tests, 2016

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	2.1-Cardiac-related diagnostic tests, 2016
METEOR identifier:	657011
Registration status:	Health , Standard 17/08/2017
Description:	Number and percentage of Aboriginal and Torres Strait Islander people who claimed 1 or more relevant cardiac-related Medicare Benefits Schedule (MBS) diagnostic items within a 12-month period, compared with non-Indigenous Australians.
Rationale:	This measure falls within Priority area 2 of the Better Cardiac Care project—timely diagnosis of heart disease and heart failure. This priority area is based on the premise that all Aboriginal and Torres Strait Islander people suspected of having heart disease or heart failure should receive the appropriate initial diagnostic service (for example, stress testing or coronary angiography for ischaemic heart disease, echocardiography for heart failure and rheumatic heart disease, or other investigations as clinically indicated), as close to the patient's home as possible, and within acceptable timeframes according to the level of risk and the patient's condition.
Indicator set:	Better Cardiac Care measures for Aboriginal and Torres Strait Islander people (2016) Health , Standard 17/08/2017

Collection and usage attributes

Computation description:	<p>Number of people who had claimed 1 or more relevant cardiac-related MBS diagnostic items within a 12-month period.</p> <p>Data are presented as a number and percentage.</p> <p>Crude rates are calculated for Indigenous Australians.</p> <p>Age-standardised rates are calculated for comparisons between Indigenous and non-Indigenous Australians, and for analysis of change over time.</p> <p>Data are based on financial years.</p> <p>Definitions:</p> <p><i>Relevant cardiac-related MBS diagnostic item</i>—consists of the following cardiac-related MBS diagnostic items for 2014–15: ECG monitoring (MBS item 11712); echocardiography (items 55113, 55114, 55116 to 55119, 55120, 55122, 55123, 55125); and cardiac catheterisation (items 38215–38246; 38300–38318; 38200, 38203, 38206).</p>
Computation:	<p>Number: Numerator</p> <p>Crude rate: $(\text{Numerator} \div \text{Denominator}) \times 100$</p> <p>Age-standardised rate: calculated using the direct method, and the Australian standard population as at 30 June 2001.</p>
Numerator:	Number of people who claimed 1 or more relevant cardiac-related MBS diagnostic items within the financial year.

Numerator data elements:**Data Element / Data Set**

[Service event—Medicare Benefits Schedule \(MBS\) processing date, DDMMYYYY](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Used to identify claims processed in the financial year.

Data source type: Administrative by-product data

Data Element / Data Set

[Person—Medicare personal identifier number, N\(9\)](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Used to uniquely identify and count individuals who have accessed a Medicare claimable service event.

Data source type: Administrative by-product data.

Data Element / Data Set

[Service event—Medicare Benefits Schedule \(MBS\) item identifier, NN\[NNN\]](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Data source type: Administrative by-product data.

Denominator:

Estimated population at the middle of the financial year, calculated as the average of the population estimates/projections at 30 June at the beginning and end of the financial year.

Denominator data elements:

Data Element / Data Set

Data Element

Person—estimated resident population of Australia

Data Source

[ABS Estimated resident population \(2011 Census-based\)](#)

Guide for use

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

Data Element / Data Set

Data Element

Person—estimated and projected Indigenous resident population

Data Source

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

Guide for use

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

Disaggregation:

Current period (2014–15) by:

- Indigenous status and type of diagnostic test (ECG monitoring, echocardiography and cardiac catheterisation)
- Indigenous status, sex and age group (0–24, 25–34, 35–44, 45–54, 55–64, 65+)
- Indigenous status and state/territory
- Indigenous status and remoteness area.

Time series (2004–05 to 2014–15) by:

- Indigenous status.

Disaggregation data elements:

Data Element / Data Set

Data Element

Person—Indigenous status

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Indigenous status is determined using the Voluntary Indigenous Identifier (VII) (see 'Comments' section for details).

Data source type: Administrative by-product data.

Data Element / Data Set

[Person—date of birth, DDMMYYYY](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Used together with 'processing date' to calculate age. Age is calculated as at the date of processing for the last service processed for that individual within the financial year.

Data source type: Administrative by-product data

Data Element / Data Set

[Address—Australian postcode, Australian postcode code \(Postcode datafile\) {NNNN}](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Used to disaggregate data by state/territory and remoteness area. This data item is based on the patient's Medicare enrolment address, as at the date of processing for the last service processed for that individual within the financial year.

Data source type: Administrative by-product data

Data Element / Data Set

[Service event—Medicare Benefits Schedule \(MBS\) processing date, DDMMYYYY](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Used together with 'date of birth' to calculate age. Age is calculated as at the date of processing for the last service processed for that patient within the financial year.

Data source type: Administrative by-product data

Data Element / Data Set

[Person—sex, code A](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Data source type: Administrative by-product data.

Data Element / Data Set

[Service event—Medicare Benefits Schedule \(MBS\) item identifier, NN\[NNN\]](#)

Data Source

[Medicare \(MBS\) data](#)

Guide for use

Data source type: Administrative by-product data.

Comments:**General:**

The numerator for this measure is drawn from MBS data. For 2016 reporting, the most recent data available are for 2014–15. MBS data reflect MBS claims processed and not necessarily all services rendered. For example, a person may be provided with equivalent care from a health-care provider who is not eligible to bill Medicare.

The data are based on the date of processing of claims. The claim may have been made by the patient (or their representative) or by the health-care provider. If a service was rendered but not claimed within the reference period, then that service will not be included in those data.

The denominator data used in the calculation of rates are Australian Bureau of Statistics (ABS) estimates and projections (Series B) based on the 2011 Census. Estimates for the non-Indigenous population were derived by subtracting the Indigenous estimated population from the total Australian estimated resident population.

Indigenous identification:

The identification of Indigenous Australians in MBS data is not complete. Since 2002, individuals who choose to identify as being of Aboriginal and/or Torres Strait Islander origin have been able to have this information recorded on the Medicare database through the Voluntary Indigenous Identifier (VII). Indigenous identification is through either a Medicare VII form or a tick-box on a Medicare enrolment form. Both methods indicate that identifying as Indigenous is optional. As at March 2016, an estimated 65% of the Indigenous population had identified as being of Aboriginal and/or Torres Strait Islander origin through the VII process (AIHW 2016).

Use of the VII in calculations for this measure

For this measure, Indigenous status is determined using the VII. As not all Indigenous Australians have recorded their Indigenous status with Medicare, the MBS data based on the VII were scaled up by the Australian Government Department of Health to reflect the size of the total Indigenous population. Estimates for non-Indigenous Australians were derived by subtracting the adjusted Indigenous estimates from the total number of people for whom the relevant MBS items were claimed.

Representational attributes

Representation class:	Percentage
Data type:	Real
Unit of measure:	Person
Format:	N[NN].N

Data source attributes

Data sources:**Data Source**

[ABS Estimated resident population \(2011 Census-based\)](#)

Frequency

Quarterly

Data custodian

Australian Bureau of Statistics

Data Source

[Medicare \(MBS\) data](#)

Frequency

Annually

Data custodian

Department of Health

Data Source

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

Frequency

Periodic

Data custodian

Australian Bureau of Statistics

Accountability attributes

Reporting requirements: Annual reporting by the Australian Institute of Health and Welfare (AIHW 2015, 2016)

Organisation responsible for providing data: Australian Government Department of Health

Release date: 24/11/2016

Source and reference attributes

Submitting organisation: Australian Institute of Health and Welfare

Origin: AIHW 2016. Better Cardiac Care measures for Aboriginal and Torres Strait Islander people: second national report 2016. Cat. no. IHW 169. Canberra: AIHW.

Reference documents: AIHW (Australian Institute of Health and Welfare) 2015. Better Cardiac Care measures for Aboriginal and Torres Strait Islander people: first national report 2015. Cat. no. IHW 156. Canberra: AIHW.

AIHW 2016. Better Cardiac Care measures for Aboriginal and Torres Strait Islander people: second national report 2016. Cat. no. IHW 169. Canberra: AIHW.