

# Australian Atlas of Healthcare Variation 2018: Number of colonoscopy hospitalisations per 100,000 people, 2016-17

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# Australian Atlas of Healthcare Variation 2018: Number of colonoscopy hospitalisations per 100,000 people, 2016-17

## Identifying and definitional attributes

|                             |  |
|-----------------------------|--|
| <b>Metadata item type:</b>  | Indicator  |
| <b>Indicator type:</b>      | Indicator  |
| <b>Short name:</b>          | Colonoscopy hospitalisations, 2016-17  |
| <b>METEOR identifier:</b>   | 709340   |
| <b>Registration status:</b> | <a href="#">Australian Commission on Safety and Quality in Health Care, Standard 13/12/2018</a>  |
| <b>Description:</b>         | Number of colonoscopy hospitalisations per 100,000 people, age-sex standardised.   |
| <b>Indicator set:</b>       | <a href="#">Australian Atlas of Healthcare Variation 2018</a><br><a href="#">Australian Commission on Safety and Quality in Health Care, Standard 13/12/2018</a> |

## Collection and usage attributes

|                                   |          |
|-----------------------------------|----------|
| <b>Population group age from:</b> | All ages |
|-----------------------------------|----------|

**Computation description: Inclusion codes, description and additional requirements**

| <b>ACHI (9th edition) procedure code</b> | <b>Description</b>   | <b>Additional requirements</b>   |
|--|--|--|
| 32084-00                                 | Fibreoptic colonoscopy to hepatic flexure  | Include records with at least one of the listed procedures. A record with more than one of the listed procedures is counted only once. |
| 32084-02                                 | Fibreoptic colonoscopy to hepatic flexure with administration of tattooing agent |  |
| 32090-00                                 | Fibreoptic colonoscopy to caecum   |  |
| 32090-02                                 | Fibreoptic colonoscopy to caecum with administration of tattooing agent          |  |
| 32084-01                                 | Fibreoptic colonoscopy to hepatic flexure, with biopsy                           |  |
| 32087-00                                 | Fibreoptic colonoscopy to hepatic flexure, with polypectomy                      |  |
| 32090-01                                 | Fibreoptic colonoscopy to caecum, with biopsy                                    |  |
| 32093-00                                 | Fibreoptic colonoscopy to caecum, with polypectomy                               |  |

**Exclusion codes, description and additional requirements**

| <b>Care type</b> | <b>Description</b>              |
|------------------|---------------------------------|
| 7.3              | Newborn – unqualified days only |
| 9.0              | Organ procurement – posthumous  |
| 10.0             | Hospital boarder                |

Presented as a number of hospitalisations per 100,000 people.

Rates are directly age-sex standardised, to the 2001 Australian population, using 5-year age groups: 0-4, 5-9, ... , 80-84, 85 and over.

Indigenous and other Australian rates are directly age-sex standardised, to the 2001 Australian population, using 5-year age groups: 0-4, 5-9, ... , 60-64, 65 and over.

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

Analysis by Statistical Area Level 3 (SA3) 2016 is based on Statistical Area Level 2 (SA2) 2011 of usual residence of the patient, converted to SA3 (ASGS 2016) equivalents through an ABS concordance file.

Suppress data (number and 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-sex standardised rates are also suppressed where the denominator for at least one of the age-sex groups used to calculate the rate is below 30 and results of sensitivity analysis indicate that the rates are volatile. However, for SA3 data, if the volatility of the rate is not found to have a material impact on its decile, the rate is published with caution. For more information about the sensitivity analysis, see the [Technical supplement of the Third Atlas](#)

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

**Numerator:** Number of colonoscopy hospitalisations, 2016–17

**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 2016-17](#)

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2016-17](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of admitted patient care—procedure, code \(ACHI 9th edn\) NNNNN-NN](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2016-17](#)

**Data Element / Data Set**

[Person—sex, code A](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2016-17](#)

**Denominator:** Total population, as at 30 June 2016

**Denominator data elements:**

**Data Element / Data Set**

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

**Data Source**

[ABS Australian Demographic Statistics](#)

**Guide for use**

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

**Disaggregation:**

SA3 2016 by:

· remoteness (ASGS Remoteness structure 2016) and Socio-Economic Indexes for Areas (SEIFA 2016) Index of Relative Socioeconomic Disadvantage (IRSD 2016)

Primary Health Network (PHN) 2017

State and territory by:

- Indigenous status
- patient funding status
- sex (age 49 years and under)

**Disaggregation data elements:**

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

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

**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 \(NHMD\)](#)

**Data Element / Data Set**

[Episode of admitted patient care—patient election status, code N](#)

**Data Source**

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

**Data Element / Data Set**

[Episode of care—source of funding, patient funding source code NN](#)

**Data Source**

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

**Data Element / Data Set**

[Person—sex, code A](#)

**Data Source**

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

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

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

**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 \(NHMD\)](#)

**Representational attributes**

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

**Data source attributes**

**Data sources:**

**Data Source**

[ABS Australian Demographic Statistics](#)

**Frequency**

Quarterly

**Data custodian**

Australian Bureau of Statistics

**Data Source**

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

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

## 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 340 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 78 with fewer than 30,000 people and 46 with more than 130,000 as at 30 June 2016. The Other Territories of Jervis Bay, Cocos (Keeling) Islands, Christmas Island and Norfolk Island are each represented by a SA3 in the 2016 ASGS. For further information see the ABS publication, Population by Age and Sex, Regions of Australia, 2016. ABS. cat. no. 3235.0.

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.

**Reporting requirements:** Australian Commission on Safety and Quality in Health Care  
*The Third Australian Atlas of Healthcare Variation 2018*

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

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

**Release date:** 11/12/2018

## Source and reference attributes

**Submitting organisation:** The Australian Commission on Safety and Quality in Health Care