

# Number of potentially preventable hospitalisations - cellulitis per 100,000 people of all ages, 2014-15 to 2017-18

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# Number of potentially preventable hospitalisations - cellulitis per 100,000 people of all ages, 2014-15 to 2017-18

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Cellulitis hospitalisations, 2014-15 to 2017-18
<b>METEOR identifier:</b>	724500
<b>Registration status:</b>	<a href="#">Australian Commission on Safety and Quality in Health Care</a> , Standard 27/04/2021
<b>Description:</b>	Number of potentially preventable hospitalisations - cellulitis, per 100,000 people of all ages, age and sex standardised.
<b>Indicator set:</b>	<a href="#">Australian Atlas of Healthcare Variation 2021</a> <a href="#">Australian Commission on Safety and Quality in Health Care</a> , Standard 27/04/2021
<b>Data quality statement:</b>	<a href="#">National Healthcare Agreement: PI 18-Selected potentially preventable hospitalisations, 2018 QS</a> <a href="#">Health</a> , Standard 30/01/2018

## Collection and usage attributes

<b>Population group age from:</b>	All ages
<b>Computation description:</b>	<b>Inclusion codes, description and additional requirements:</b>

ICD-10-AM (8th to 10th editions) diagnosis code	Description	Additional requirements
L02	Cutaneous abscess, furuncle and carbuncle	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure
L03	Cellulitis	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure
L04	Acute lymphadenitis	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure

L08	Other local infections of skin and subcutaneous tissue	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure
L88	Pyoderma gangrenosum	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure.
L98.0	Pyogenic granuloma	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure
L98.3	Eosinophilic cellulitis [Wells]	As principal diagnosis.  Exclude cases with any procedure except those in blocks 1820 to 2016, or if procedure is 30216-00, 30216-01, 30216-02, 30676-00, 30676-02 (10th edition only), 30223-01, 30223-02, 30064-00, 90660-00, 90661-00, 96230-00 (10th edition only) and this is the only listed procedure

#### Exclusion codes and description

Care type	Description
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- and sex- standardised, to the 30 June 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 and sex standardised, to the 30 June 2001 Australian population, using 5-year age groups: 0-4, 5-9, ... , 60-64, 65 and over.

Population estimates at 31 December are calculated as an average of the 30 June population estimates before and after the relevant December to derive a midpoint (31 December) population estimate.

For more information about age-standardisation in general see glossary item [Age-standardised rate.](#)

Analysis by Statistical Area Level 3 (SA3) 2016 is based on:

- Statistical Area Level 2 (SA2) 2011 of usual residence of the patient for 2014-15 to 2016-17, converted to SA3 (ASGS 2016) equivalents through an ABS concordance file
- SA2 2016 of usual residence of the patient for 2017-18.

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 and sex standardised rates are also suppressed where the denominator for at least one of the age and 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 Fourth Atlas](#).

Consequential suppression may be applied to preserve confidentialised data.

**Computation:**

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

**Numerator:**

Number of cellulitis hospitalisations, 2014-15 to 2017-18

**Numerator data elements:**

**Data Element / Data Set**

[Episode of admitted patient care—admission date, DDMMYYYY](#)

**Data Source**

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

**Guide for use**

Admitted patient care NMDS 2014-15 to 2017-18

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 admitted patient care—procedure, code \(ACHI 10th edn\) NNNNN-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**

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

**Data Source**

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

**Guide for use**

Admitted patient care NMDS 2014-15 to 2017-18

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

**Data Source**

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

**Guide for use**

Admitted patient care NMDS 2014-15 to 2017-18

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of admitted patient care—procedure, code \(ACHI 8th edn\) NNNNN-NN](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2014-15](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 8th edn\) ANN{.N\[N\]}](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2014-15](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 9th edn\) ANN{.N\[N\]}](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2015-16](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 9th edn\) ANN\(.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 2015-16](#)

**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](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—sex, code A](#)

**Data Source**

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

**Guide for use**

Admitted patient care NMDS 2014-15 to 2017-18

**Denominator:**

Data source type: Administrative by-product data  
Total population as at 31 December 2014, 31 December 2015, 31 December 2016 and 31 December 2017.

**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

**Data Element / Data Set**

[Person—estimated resident 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 plus administrative by-product data

**Data Element / Data Set**

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

**Data Source**

[ABS Regional Population by Age and Sex, Australia](#)

**Guide for use**

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

**Disaggregation:**

SA3 2016

Remoteness (ASGS Remoteness structure 2016)

Socio-Economic Indexes for Areas (SEIFA 2016) Index of Relative Socioeconomic Disadvantage (IRSD 2016)

Primary Health Network (PHN) 2017

State and territory by Aboriginal and Torres Strait Islander status

Disaggregation data elements:

**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 \(NHMD\)](#)  
**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 \(NHMD\)](#)  
**Guide for use**  
Data source type: Administrative by-product data

Representational attributes

Representation class: Rate  
Data type: Integer  
Unit of measure: Episode  
Format: N[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

### Data Source

[ABS Indigenous estimates and projections \(2016 Census-based\)](#)

#### Frequency

Periodic

#### Data custodian

Australian Bureau of Statistics

### Data Source

[ABS Regional Population by Age and Sex, Australia](#)

#### Frequency

Annually

#### Data custodian

Australian Bureau of Statistics

## 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](#).

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.

**Description of ACHI codes specified in the computation  
description (for reference only)**

<b>ACHI (8th to 10th editions) procedure block</b>	<b>Description</b>
[1820] - [1922] [1923] (10th edition only)	Noninvasive, cognitive and other interventions, not elsewhere classified
[1940] - [2016]	Imaging services
<b>ACHI (8th to 10th editions) procedure code</b>	
30216-00 [1604]	Aspiration of haematoma of skin and subcutaneous tissue
30216-01 [1604]	Aspiration of abscess of skin and subcutaneous tissue
30216-02 [1604]	Other aspiration of skin and subcutaneous tissue
30676-00 [1659]	Incision of pilonidal sinus or cyst (8th and 9th editions)  Incision of pilonidal sinus, cyst or abscess (10th edition)
30676-02 [1659] (10th edition only)	Closed procedures for pilonidal sinus, cyst or abscess, not elsewhere classified
30223-01 [1606]	Incision and drainage of abscess of skin and subcutaneous tissue
30223-02 [1606]	Other incision and drainage of skin and subcutaneous tissue
30064-00 [1605]	Removal of foreign body from skin and subcutaneous tissue with incision
90660-00 [1602]	Administration of agent into skin and subcutaneous tissue
90661-00 [1608]	Other incision of skin and subcutaneous tissue
96230-00 [1659] (10th edition only)	Other procedures for pilonidal sinus, cyst or abscess

**Reporting requirements:**

Australian Commission on Safety and Quality in Health Care  
*Australian Atlas of Healthcare Variation 2021*

**Organisation responsible  
for providing data:**

Australian Institute of Health and Welfare

**Accountability:**

Australian Commission on Safety and Quality in Health Care

**Release date:**

28/04/2021

**Source and reference attributes**

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

**Reference documents:** For more information about potentially preventable hospitalisations see:

National Healthcare Agreement: [PI 18-Selected potentially preventable hospitalisations, 2019](#)

[Australian Atlas of Healthcare Variation, 2017: Technical Supplement](#)

## Relational attributes

**Related metadata references:**

See also [ABS Estimated resident population \(total population\), QS Health](#), Standard 08/06/2011

See also [ABS Indigenous experimental estimates and projections, QS Health](#), Standard 08/06/2011

[Indigenous](#), Standard 11/09/2012

See also [Australian Atlas of Healthcare Variation: Number of potentially preventable hospitalisations - cellulitis, per 100,000 people, 2014-15](#)

[Australian Commission on Safety and Quality in Health Care](#), Standard 07/06/2017

See also [Data quality statement: Admitted Patient Care 2015-16](#)

[AIHW Data Quality Statements](#), Standard 27/11/2019

See also [Data quality statement: Admitted Patient Care 2016-17](#)

[AIHW Data Quality Statements](#), Standard 27/11/2019

See also [Data quality statement: Admitted Patient Care 2017-18](#)

[AIHW Data Quality Statements](#), Standard 27/11/2019

See also [Data quality statement: National Hospital Morbidity Database 2014–15](#)

[AIHW Data Quality Statements](#), Standard 31/08/2016