# 6.4 Estimated annual number of asthma and related respiratory admissions to hospital per 100,000 people aged 3 to 19 years, 2010-11 to 2012-13

## Exported from METEOR (AIHW's Metadata Online Registry)

# 6.4 Estimated annual number of asthma and related respiratory admissions to hospital per 100,000 people aged 3 to 19 years, 2010-11 to 2012-13

## Identifying and definitional attributes

| | |
|---|---|
| **Metadata item type:** | Indicator |
| **Indicator type:** | Indicator |
| **Short name:** | Asthma and related respiratory hospital admissions 3-19 years, 2010-11 to 2012-13 |
| **METEOR identifier:** | 611782 |
| **Registration status:** | National Health Performance Authority (retired), Retired 01/07/2016<br>Australian Commission on Safety and Quality in Health Care, Standard 23/11/2016 |
| **Description:** | The estimated annual number of asthma and related respiratory admissions to hospital per 100,000 people aged 3 to 19 years, age standardised. Data are disaggregated by the area in which the person lives. |
| **Indicator set:** | Australian Atlas of Healthcare Variation<br>National Health Performance Authority (retired), Retired 01/07/2016<br>Australian Commission on Safety and Quality in Health Care, Standard 23/11/2016 |

## Collection and usage attributes

| | |
|---|---|
| **Population group age from:** | 3 years |
| **Population group age to:** | 19 years |
| **Computation description:** | Presented as an estimated annual number per 100,000 people, age standardised.<br><br>Analysis by Statistical Area Level 3 (SA3) is based on postcode of usual residence of the patient. The postcode is based on that which is provided by the person to the hospital at which they are admitted.<br><br>SA3s where the total population is less than 2,500 or where the population of 3 to 19 year olds was less than 200 are excluded.<br><br>Suppression protocol for calculating age standardised rates: |

| Numerator | Total number of admissions over three years less than 10 (unrounded data) |
|---|---|
| Denominator | The average annual ERP for one or more age groups less than 30 |

| | |
|---|---|
| | The following age groups were used for calculating age standardised rates: 3-9, 10-14, 15-17 years. |
| **Computation:** | Estimated annual number of admissions per year, over the three years 2010-11 to 2012-13<br><br>100,000 x (Numerator ÷ Denominator), age standardised<br><br>For more information about age-standardisation, see<br><br>/content/index.phtml/itemId/327276 |
| **Numerator:** | The estimated annual number of asthma and related respiratory admissions to hospital for people aged 3 to 19 years in 2010-11 to 2012-13. |

**Numerator data elements:**

┌─ **Data Element / Data Set** ──────────────────────

[Person—date of birth, DDMMYYYY](#)

**Guide for use**

People aged between 3 and 19 years in 2010-11 to 2012-13 who were admitted to hospital with a diagnosis of Asthma and related respiratory conditions were included in the analysis of this item.

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┌─ **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)](#)

**Guide for use**

**Inclusion codes for Principal diagnosis only:**

| ICD-10-AM (7th edn) code | Description |
|---|---|
| J45 | Asthma |
| J46 | Status asthmaticus |
| J21 | Bronchiolitis |

Data source type: Administrative by-product data

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┌─ **Data Element / Data Set** ──────────────────────

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

**NMDS / DSS**

[Admitted patient care NMDS 2012-13](#)

**Guide for use**

Include all care types except:

| Code | Description |
|---|---|
| **7.3** | Unqualified newborn |
| **10.0** | Hospital border |
| **9.0** | Organ procurement |

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**Denominator:**    Total population aged between 3 and 19 years.

| **Denominator data elements:** | **Data Element / Data Set** |
| | |

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

**Data Source**

ABS Estimated resident population (total population)

**Guide for use**

ABS Estimated resident population as at June 2001

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

| **Disaggregation:** | Statistical Area Level 3, which have been derived from Postcode—Australian (person): |

- 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 333 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 50 with fewer than 30,000 people and 35 with more than 130,000 as at 30 June 2011. For further information see the ABS publication, Australian Statistical Geography Standard (ASGS): Volume 1 – Main Structure and Greater Capital City Statistical Areas, July 2011 (cat. no. 1270.0.55.001).

| **Disaggregation data elements:** | **Data Element / Data Set** |
| | |

Address—Australian postcode, Australian postcode code (Postcode datafile) {NNNN}

**Data Source**

National Hospital Morbidity Database (NHMD)

**Guide for use**

Postcode is based on that which is provided by the person to the hospital at which they are admitted.

Data source type: Administrative by-product data

Used for disaggregation by Statistical Area Level 3.

**Data Element / Data Set**

Address—statistical area, level 3 (SA3) code (ASGS 2011) NNNNN

# Representational attributes

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

# Data source attributes

**Data sources:**

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**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

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**Data Source**

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

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

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## Accountability attributes

| | |
|---|---|
| **Reporting requirements:** | Australian Commission of Safety and Quality in Health Care's Atlas of Healthcare Variation, released November 2015 |
| **Organisation responsible for providing data:** | Australian Institute of Health and Welfare |
| **Accountability:** | Australian Commission of Safety and Quality in Health Care |

## Source and reference attributes

| | |
|---|---|
| **Submitting organisation:** | National Health Performance Authority |
| **Reference documents:** | |