

## **6.8 Number of diabetes-related lower limb amputation admissions to hospital per 100,000 people aged 18 years and over, 2012–13**

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## 6.8 Number of diabetes-related lower limb amputation admissions to hospital per 100,000 people aged 18 years and over, 2012–13

### Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Diabetes-related lower limb amputation hospital admissions 18 years and over, 2012-13
<b>METEOR identifier:</b>	611706
<b>Registration status:</b>	<a href="#">Australian Commission on Safety and Quality in Health Care, Standard 23/11/2016 National Health Performance Authority (retired), Retired 01/07/2016</a>
<b>Description:</b>	Number of admissions to hospital for diabetes-related lower limb amputation per 100,000 people aged 18 years and over, age standardised. Data are disaggregated by the area in which the person lives.
<b>Indicator set:</b>	<a href="#">Australian Atlas of Healthcare Variation</a> <a href="#">Australian Commission on Safety and Quality in Health Care, Standard 23/11/2016</a> <a href="#">National Health Performance Authority (retired), Retired 01/07/2016</a>

### Collection and usage attributes

<b>Population group age from:</b>	18 years and over
<b>Computation description:</b>	<p>Presented as a number per 100,000 people, age standardised, by Statistical Area Level 4.</p> <p>Analysis by Statistical Area Level 4 (SA4) is based on postcode of usual residence of the patient. The postcode is based on that which is provided by the patient to the hospital at which they are admitted.</p> <p>SA4s where the total population was less than 2,500 or where the population of people aged 18 years and over was less than 200 are excluded.</p> <p>Suppression protocol for calculating age-standardised rates:</p>

Numerator	Total admissions less than 20 (unrounded)
Denominator	ERP for one ore more five year age groups less than 30

The following age groups were used for calculating age standardised rates: 18-24, 25-29, 30-34, ..., 85+.

<b>Computation:</b>	$100,000 \times (\text{Numerator} \div \text{Denominator})$ , age standardised
	For more information about age-standardisation see <a href="/content/index.phtml/itemId/327276">/content/index.phtml/itemId/327276</a>

<b>Numerator:</b>	Number of diabetes related lower limb amputation admissions to hospital for people aged 18 years and over in 2012-13.
<b>Numerator data elements:</b>	

**Data Element / Data Set**

[Episode of care—additional diagnosis, code \(ICD-10-AM 7th edn\) ANN{.N\[N\]}](#)

NMDS / DSS

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

Guide for use

ICD-10-AM (7th edn) code	Description
E10	Type 1 diabetes mellitus
E11	Type 2 diabetes mellitus
E13	Other specified diabetes mellitus
E14	Unspecified diabetes mellitus

**Data Element / Data Set**

[Episode of care—principal diagnosis, code \(ICD-10-AM 7th edn\) ANN{.N\[N\]}](#)

NMDS / DSS

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

Guide for use

Data source type: Administrative by-product data

ICD-10-AM (7th edn) code	Description
E10	Type 1 diabetes mellitus
E11	Type 2 diabetes mellitus
E13	Other specified diabetes mellitus
E14	Unspecified diabetes mellitus

**Data Element / Data Set**

[Episode of admitted patient care—procedure, code \(ACHI 7th edn\) NNNNN-NN](#)

NMDS / DSS

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

Guide for use

Patients with a principal or additional diagnosis as described above AND one of the following principal or additional procedure codes were included in the analysis of this indicator.

ACHI 7th edn	Description of Inclusion codes
44367-00 [1484]	Amputation above
44370-00 [1484]	Amputation at hip
44373-00 [1484]	Hindquarter amputation
44367-01 [1505]	Disarticulation at knee
44367-02 [1505]	Amputation below knee
44338-00 [1533]	Amputation of toe
44358-00 [1533]	Amputation of toe including metatarsal bone
44361-00 [1533]	Disarticulation through ankle

44361-01 [1533]	Amputation of ankle through malleoli of tibia and fibula
44364-00 [1533]	Midtarsal amputation
44364-01 [1533]	Transmetatarsal amputation
90557-00 [1533]	Disarticulation through toe

Injury related separations were not included

#### 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

Total population aged 18 years and over

#### 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

**Denominator:**

**Denominator data elements:**

**Disaggregation:**

Statistical Area Level 4, which have been derived from [Postcode—Australian \(person\)](#)

- SA4s are designed for the output of labour force data and reflect labour markets within each state and territory within the population limits imposed by the Labour Force Survey sample. SA4s provide the best sub-state socio-economic breakdown in the ASGS.
- SA4s are built from whole SA3s. Whole SA4s aggregate directly to state/territories in the ASGS Main Structure and greater capital city SAs. SA4s do not cross state/territory borders. There are 88 SA4 spatial units. In aggregate, they cover the whole of Australia without gaps or overlaps.

## Disaggregation data elements:

### Data Element / Data Set

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

#### Data Source

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

#### Guide for use

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

Data source type: Administrative by-product data

Used for disaggregation by Statistical Area Level 4.

### Data Element / Data Set

[Address—statistical area, level 4 \(SA4\) code \(ASGS 2011\) NNN](#)

## Representational attributes

<b>Representation class:</b>	Rate
<b>Data type:</b>	Integer
<b>Unit of measure:</b>	Service event
<b>Format:</b>	NN[NNNN]

## 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

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

#### Frequency

Annually

#### Data custodian

Department of Health

## Accountability attributes

<b>Reporting requirements:</b>	Australian Commission of Safety and Quality in Health Care's Atlas of Healthcare Variation, released November 2015
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**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