

# 6.7 Number of heart failure admissions to hospital per 100,000 people aged 40 years and over, 2012–13

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# 6.7 Number of heart failure admissions to hospital per 100,000 people aged 40 years and over, 2012–13

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Heart failure hospital admissions 40 years and over, 2012-13
<b>METEOR identifier:</b>	611789
<b>Registration status:</b>	<a href="#">National Health Performance Authority (retired)</a> , Retired 01/07/2016 <a href="#">Australian Commission on Safety and Quality in Health Care</a> , Standard 23/11/2016
<b>Description:</b>	Number of admissions to hospital for heart failure per 100,000 people aged 40 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="#">National Health Performance Authority (retired)</a> , Retired 01/07/2016 <a href="#">Australian Commission on Safety and Quality in Health Care</a> , Standard 23/11/2016

## Collection and usage attributes

**Population group age from:** 40 years and over

**Computation description:**

Presented as a number per 100,000 people, age standardised, by Statistical Area Level 3.

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 patient to the hospital at which they are admitted.

SA3s where the total population was less than 2,500 or where the population of people aged 40 years and over was less than 200 are excluded.

Suppression protocol for calculating age standardised rates:

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

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

For more information about age-standardisation, see

</content/index.phtml/itemId/327276>

**Numerator:** Number of heart failure admissions to hospital for people aged 40 years and over in 2012-13.

**Numerator data elements:**

**Data Element / Data Set**

[Person—date of birth, DDMMYYYY](#)

NMDS / DSS

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

Guide for use

People aged 40 years and over in 2012-13 who were admitted to hospital with a diagnosis as described above were included in the analysis of this item.

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

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

**Guide for use**

**Inclusion codes and description for principal diagnosis only:**

ICD-10-AM (7th edn) code	Description
I150	Congestive heart failure
I110	Hypertensive heart disease with (congestive) heart failure
J81	Pulmonary oedema

**Patients with a principal diagnosis of I150, I110, J81 AND the following procedure blocks/codes are excluded**

Procedure blocks	Description
[600-606]	Heart - Atrium procedures
[608-650]	Heart - Ventricle procedures
[653-657]	Insertion, adjustment or removal of cardiac pacemaker or defibrillator
[660-664], [666]	Transplantation of heart or lung, other repair, reconstruction or revision procedures on other sites of the heart
[669-682]	Excision, repair, bypass procedures on coronary arteries
[684-691], [693]	Repair procedures on aorta (aortic arch and thoracic) and closure of patent ductus arteriosus
[705-707]	Resection of lesion of carotid artery and patch graft of artery
[717]	Repair procedures on pulmonary artery for congenital heart disease
Procedure codes	
33172-00[715]	Replace other major arterial aneurysm with graft
33827-01[733]	Repair jugular vein by direct anastomosis
34800-00[726]	Interruption of vena cava

35412-00[11]	Endovas occl cerebral aneur / AV malform
38721-01[733]	Rep vena cava by direct anastomosis
90217-02[734]	Repair vena cava by interpstn gft
90215-02[732]	Direct closure of vena cava

Data source type: Administrative by-product data

**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

**Denominator:**

Total population aged 40 years and over.

**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 patient 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**

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

**Data source attributes**

**Data sources:**

**Data Source**

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

**Frequency**

Annual

**Data custodian**

Australian Institute of Health and Welfare

**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

## 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