Australian Atlas of Healthcare Variation: Number of lumbar spinal decompression (excluding lumbar spinal fusion) hospitalisations per 100,000 people aged 18 years and over, 2012-13 to 2014-15

Exported from METEOR (AIHW's Metadata Online Registry)

Australian Atlas of Healthcare Variation: Number of lumbar spinal decompression (excluding lumbar spinal fusion) hospitalisations per 100,000 people aged 18 years and over, 2012-13 to 2014-15

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Indicator
Short name:	Lumbar spinal decompression (excluding lumbar spinal fusion) hospitalisations 18 years and over, 2012-13 to 2014-15
METEOR identifier:	640142
Registration status:	Australian Commission on Safety and Quality in Health Care, Standard 07/06/2017
Description:	Number of lumbar spinal decompression (excluding lumbar spinal fusion) hospitalisations per 100,000 people aged 18 years and over, age and sex standardised. Data are disaggregated by the area in which the person lives.
Indicator set:	Australian Atlas of Healthcare Variation 2017 Australian Commission on Safety and Quality in Health Care, Standard 07/06/2017

Collection and usage attributes

Population group age from:	18 years and over
Computation description:	**Inclusion codes, description and additional requirement**

ICD-10-AM (7th and 8th edition) code	Description	Additional requirement
M43.16	Spondylolisthesis Lumbar region	Principal diagnosis
M43.17	Spondylolisthesis Lumbosacral region	
M48.06	Spinal stenosis Lumbar region	
M48.07	Spinal stenosis Lumbosacral region	
M51.0	Lumbar and other intervertebral disc disorders with myelopathy	
M51.1	Lumbar and other intervertebral disc disorders with radiculopathy	
M51.2	Other specified intervertebral disc displacement	
M54.16	Radiculopathy Lumbar region	

M54.17	Radiculopathy Lumbosacral region
M54.4	Lumbago with sciatica
M54.5	Low back pain
M54.86	Other dorsalgia Lumbar region
M54.87	Other dorsalgia Lumbosacral region
M54.96	Dorsalgia, unspecified Lumbar region
M54.97	Dorsalgia, unspecified Lumbosacral region

Inclusion codes, description and additional requirement

ACHI (7th and 8th edition) code	Description	Additional requirement
90024-00 [48]	Decompression of lumbar spinal canal, 1 level	Include records with at least one of the listed procedures. A record with more than one of the listed procedures is only counted once.
90024-01 [48]	Decompression of lumbar spinal canal, >=2 levels	
40330-00 [49]	Spinal rhizolysis	
40303-00[51]	Discectomy for recurrent disc lesion, 1 level	
40303-01[51]	Discectomy for recurrent disc lesion, 2 levels	
48636-00 [52]	Percutaneous lumbar discectomy	
40300-00 [52]	Discectomy, 1 level	
40300-01 [52]	Discectomy, >= 2 levels	

Exclusion codes and description

ICD-10-AM (7th and 8th edition) code	Description
V00-Y89	External causes of morbidity and mortality

ACHI (7th and 8th edition) code	Description
40351-00 [47]	Anterior decompression of thoracolumbar spinal cord
48660-00 [1389]	Anterior spinal fusion, 1 level
48669-00 [1389]	Anterior spinal fusion, >=2 levels
48642-00 [1389]	Posterior spinal fusion, 1 or 2 levels
48645-00 [1389]	Posterior spinal fusion, >=3 levels
48648-00 [1389]	Posterolateral spinal fusion, 1 or 2 levels
48651-00 [1389]	Posterolateral spinal fusion, >=3 levels
48654-00 [1389]	Posterior spinal fusion with laminectomy, 1 level
48657-00 [1389]	Posterior spinal fusion with laminectomy, >=2 levels
48654-01 [1389]	Posterolateral spinal fusion with laminectomy, 1 level
48657-01 [1389]	Posterolateral spinal fusion with laminectomy, >=2 levels

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 per 100,000 people.

Rates are directly age and sex standardised, to the 2001 Australian population aged 18 years and over, using age groups: 18-24, 25-29, … , 80-84, 85 and over.

Indigenous and other Australian rates are directly age and sex standardised, to the 2001 Australian population aged 18 years and over, using age groups: 18-24, 25-29, … , 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) is based on Statistical Area Level 2 (SA2) of usual residence of the patient.

Suppress data (number or 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 10

Age and sex standardised rates are suppressed where the denominator for at least one of the age and sex groups used to calculate the rate is below 30.

Computation: 100,000 × (Numerator ÷ Denominator)

Numerator: Number of lumbar spinal decompression (excluding lumbar spinal fusion) hospitalisations 18 years and over.

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 2012-13

Guide for use

Data source type: Administrative by-product data

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

Hospital service—care type, code N[N]

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2012-13

Guide for use

Data source type: Administrative by-product data

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

Hospital service—care type, code N[N]

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2013-14

Guide for use

Data source type: Administrative by-product data

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

Hospital service—care type, code 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** ─────────────────────

Person—date of birth, DDMMYYYY

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2013-14

Guide for use

Data source type: Administrative by-product data

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

Person—date of birth, DDMMYYYY

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

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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)

NMDS / DSS

Admitted patient care NMDS 2012-13

Guide for use

 Data source type: Administrative by-product data

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Data Element / Data Set

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

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2012-13

Guide for use

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 2013-14

Guide for use

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 2013-14

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]}](link)

Data Source

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

NMDS / DSS

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

Guide for use

Data source type: Administrative by-product data

Denominator:	Sum of population aged 18 years and over as at 30 June 2012, 30 June 2013 and 30 June 2014.
Denominator data elements:	

Data Element / Data Set

Person—estimated resident population of Australia

Data Source

[ABS Indigenous experimental estimates and projections (2001 Census-based)](link)

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)]](link)

Data Source

[ABS Estimated resident population (total population)](link)

Guide for use

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

Disaggregation:	SA3 by:

- Remoteness (ASGC Remoteness structure) and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socioeconomic Disadvantage (IRSD)

State and territory by:

- Indigenous status
- Patient funding status

Disaggregation data elements:

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

Person—area of usual residence, statistical area level 2 (SA2) code (ASGS 2011) N(9)

Data Source

National Hospital Morbidity Database (NHMD)

Guide for use

Data source type: Administrative by-product data

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Representational attributes

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

Data source attributes

Data sources:

Data Source

[ABS Indigenous experimental estimates and projections (2001 Census-based)](#)

Frequency

Periodic

Data quality statement

[ABS Indigenous experimental estimates and projections, QS](#)

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 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

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 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).
	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.
	Private hospitals include private free-standing day hospital facilities and other private hospitals (which also include private psychiatric hospitals).
	ACHI and ICD-10-AM 7th edition were used for 2012–13 data and ACHI and ICD-10-AM 8th edition were used for 2013–14 and 2014–15 data.
Reporting requirements:	Australian Commission on Safety and Quality in Health Care
	Australian Atlas of Healthcare Variation
Organisation responsible for providing data:	Australian Institute of Health and Welfare
Accountability:	Australian Commission on Safety and Quality in Health Care
Release date:	07/06/2017

Source and reference attributes

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

Relational attributes

Related metadata references:	See also [Number of lumbar spinal decompression (excluding lumbar spinal fusion) hospitalisations per 100,000 people aged 18 years and over, 2012-13 to 2014-15 and 2015-16 to 2017-18](#)
	[Australian Commission on Safety and Quality in Health Care](#), Standard 27/04/2021