National Health Performance Authority, Healthy Communities: Number of selected potentially avoidable hospitalisations per 100,000 people, 2011–12

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# National Health Performance Authority, Healthy Communities: Number of selected potentially avoidable hospitalisations per 100,000 people, 2011–12

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| Identifying and definitional attributes |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Short name: | Potentially avoidable hospitalisations 2011–12 |
| METEOR identifier: | 549587 |
| Registration status: | [National Health Performance Authority (retired)](https://meteor.aihw.gov.au/RegistrationAuthority/8), Retired 01/07/2016 |
| Description: | Number of selected potentially avoidable hospitalisations per 100,000 people |
| Indicator set: | [National Health Performance Authority: Healthy Communities: 2011–](https://meteor.aihw.gov.au/content/550329)       [National Health Performance Authority (retired)](https://meteor.aihw.gov.au/RegistrationAuthority/8), Retired 01/07/2016 |

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| Collection and usage attributes |
| Population group age from: | All ages except for influenza and pneumonia for which people under the age of two months are excluded |
| Computation description: | **Table 1: Classification of selected potentially avoidable hospitalisations**

|  |  |  |
| --- | --- | --- |
| **Type/condition** | **ICD-10-AM 7th edition codes** | **Further selection information** |
| **Chronic** |
| Asthma | J45, J46 | Principal diagnosis only |
| Congestive cardiac failure | I50, I11.0, J81 | Principal diagnosis only; exclude cases with the following procedure codes: 33172-00, 38300-00, 38303-00, 38306-02, 38306-00, 38353-02, 38353-00, 38350-00, 38368-00, 38256-00, 38350-02, 38358-00, 38358-01, 38358-02, 38368-02, 38654-02, 38456-26, 38456-27, 38368-04, 38358-03, 38654-05, 38456-33, 38456-34, 38270-01, 38456-19, 38456-15, 38456-12, 38456-11, 38456-10, 90203-00, 38456-01, 38470-00, 38475-00, 38480-02, 38480-01, 38480-00, 38488-06, 38488-04, 38489-04, 38488-02, 38489-03, 38487-00, 38489-02, 38488-00, 38489-00, 38490-00, 38493-00, 38497-04, 38497-03, 38497-02, 38497-01, 38497-00, 38500-00, 38503-00, 38505-00, 38362-00, 90203-08, 90203-09, 38456-28, 38612-00, 38615-00, 38653-00, 38700-02, 38700-00, 38739-00, 38742-02, 38742-00, 38745-00, 38751-02, 38751-00, 38757-02, 38757-01, 38757-00, 90204-00, 90205-00, 90219-00, 90224-00 |
| Diabetes complications | E10–E14.9 | Principal diagnosis only |
| Chronic obstructive pulmonary disease (COPD) | J20, J41, J42, J43, J44, J47 | Principal diagnosis only;  J20 only with additional diagnoses of J41, J42, J43, J44, J47 |
| Angina | I20, I24.0, I24.8, I24.9 | Principal diagnosis only; exclude cases with procedure codes not in blocks [1820] to [2016] |
| Iron deficiency anaemia | D50.1, D50.8, D50.9 | Principal diagnosis only |
| Hypertension | I10, I11.9 | Principal diagnosis only; exclude cases with procedure codes according to the list of procedures excluded from the Congestive cardiac failure category above |
| Nutritional deficiencies | E40, E41, E42, E43, E55.0, E64.3 | Principal diagnosis only |
| Rheumatic heart disease\* | I00 to I09 | Principal diagnosis only |
| **Acute** |
| Dehydration and gastroenteritis | A09.9, E86, K52.2, K52.8, K52.9 | Principal diagnosis only |
| Pyelonephritis | N10, N11, N12, N13.6, N39.0 | Principal diagnosis only |
| Perforated/bleeding ulcer | K25.0, K25.1, K25.2, K25.4, K25.5, K25.6, K26.0, K26.1, K26.2, K26.4, K26.5, K26.6, K27.0, K27.1, K27.2, K27.4, K27.5, K27.6, K28.0, K28.1, K28.2, K28.4, K28.5, K28.6 | Principal diagnosis only |
| Cellulitis | L03, L04, L08, L88, L98.0, L98.3 | Principal diagnosis only; exclude cases with any procedure except those in blocks 1820 to 2016 or if procedure is 30316-02, 30676-00, 30223-02, 30064-00, 34528-02, 39127-00, 90661-00 and this is the only listed procedure |
| Pelvic inflammatory disease | N70, N73, N74 | Principal diagnosis only |
| Ear, nose and throat infections | H66, H67, J02, J03, J06, J31.2 | Principal diagnosis only |
| Dental conditions | K02, K03, K04, K05, K06, K08, K09.8, K09.9, K12, K13 | Principal diagnosis only |
| Appendicitis with generalised peritonitis | K35.2, K35.3 | In any diagnosis field (1–100) |
| Convulsions and epilepsy | G40, G41, O15, R56 | Principal diagnosis only |
| Gangrene | R02 | In any diagnosis field (1–100) |
| **Vaccine-preventable**  |
| Influenza and pneumonia | J10, J11, J13, J14, J15.3, J15.4, J15.7, J15.9, J16.8, J18.1, J18.8 | In any diagnosis field (1–100), excludes cases with additional diagnosis of D57 (sickle-cell disorders) and people under 2 months |
| Other vaccine-preventable conditions | A35, A36, A37, A80, B05, B06, B16.1, B16.9, B18.0, B18.1, B26, G00.0, M01.4 | In any diagnosis field (1–100) |

  Analysis by Medicare Local catchment and Statistical Areas Level 3 (SA3) is based on postcode of usual residence of the patient.Presented as a number per 100,000 people. |
| Computation: | 100,000 x (Numerator ÷ Denominator)Number of selected potentially avoidable hospitalisations per 100,000 people (crude and age-standardised to the 2001 Australian population) |
| Numerator: | Total number of potentially avoidable hospitalisations in 2011–12 for the following groups:* Selected potentially avoidable hospitalisations
* Potentially avoidable hospitalisations for chronic conditions
* Potentially avoidable hospitalisations for acute and vaccine-preventable conditions
* Potentially avoidable hospitalisations for individual conditions except iron deficiency anaemia and nutritional deficiencies which were combined due to low separation counts for nutritional deficiencies
 |
| Numerator data elements: | **Data Element / Data Set**[Episode of admitted patient care—admission date, DDMMYYYY](https://meteor.aihw.gov.au/content/269967)**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**NMDS / DSS**[Admitted patient care NMDS 2011-12](https://meteor.aihw.gov.au/content/426861)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Person—date of birth, DDMMYYYY](https://meteor.aihw.gov.au/content/287007)**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**NMDS / DSS**[Admitted patient care NMDS 2011-12](https://meteor.aihw.gov.au/content/426861)**Guide for use** Data source type: Administrative by-product dataUsed to calculate age **Data Element / Data Set**[Episode of care—additional diagnosis, code (ICD-10-AM 7th edn) ANN{.N[N]}](https://meteor.aihw.gov.au/content/391322)**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**NMDS / DSS**[Admitted patient care NMDS 2011-12](https://meteor.aihw.gov.au/content/426861)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of care—principal diagnosis, code (ICD-10-AM 7th edn) ANN{.N[N]}](https://meteor.aihw.gov.au/content/391326)**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**NMDS / DSS**[Admitted patient care NMDS 2011-12](https://meteor.aihw.gov.au/content/426861)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of admitted patient care—procedure, code (ACHI 7th edn) NNNNN-NN](https://meteor.aihw.gov.au/content/391349)**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**NMDS / DSS**[Admitted patient care NMDS 2011-12](https://meteor.aihw.gov.au/content/426861)**Guide for use**Data source type: Administrative by-product data |
| Denominator: | Total population |
| Denominator data elements: | **Data Element / Data Set**[Person—estimated resident population of Australia, total people N[N(7)]](https://meteor.aihw.gov.au/content/388656)**Data Source**[ABS Estimated resident population (total population)](https://meteor.aihw.gov.au/content/393625)**Guide for use** ABS Estimated resident population as at June 2011Data source type: Census based plus administrative by-product data  |
| Disaggregation: | 2011–12 by Medicare Local catchments, Medicare Local peer groups and Statistical Areas Level 3, which have been derived from [Postcode—Australian (person)](https://meteor.aihw.gov.au/content/287224):* Medicare Locals are primary health care organisations established to improve responsiveness, coordinate primary health care delivery and tackle local health care needs and service gaps. A Medicare Local catchment refers to the geographical area of a Medical Local.
* Medicare Local peer groups are the grouping of the 61 Medicare Locals into seven peer groups. This grouping was undertaken by the National Health Performance Authority using statistical cluster analysis of 2006 Census based socioeconomic status for each Medicare Local and, 2006 Census based Remoteness Area categories (ABS cat. no. 2039.0). Additional information on the average distance to the closest large city and major hospital (A1 public hospital peer group classification, 2010–11) contributed to the assignment of Medicare Locals to peer groups. Groupings were tested for face validity with a stakeholder group. The National Health Performance Authority has created 7 peer groups: Metro 1 to 3, Regional 1 and 2 and Rural 1 and 2.
* Statistical Areas 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}](https://meteor.aihw.gov.au/content/429894)**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**Guide for use** Data source type: Administrative by-product dataUsed for disaggregation by Medicare Local catchment and Statistical Areas Level 3.  |
| Comments: | The scope of the Admitted Patient Care National Minimum Data Set (APC NMDS) 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 offshore territories may also be included. Hospitals specialising in dental, ophthalmic aids and other specialised acute medical or surgical care are included. Episodes of non-admitted patient care provided in outpatient clinics or emergency departments are excluded from the APC NMDS data.Potentially avoidable hospitalisations are also called ‘potentially preventable hospitalisations’ and ‘ambulatory care sensitive hospitalisations’. |
| Representational attributes |
| Representation class: | Rate |
| Data type: | Real |
| Unit of measure: | Episode |
| Format: | NN[NN].N |
| Indicator conceptual framework |
| Framework and dimensions: | [PAF-Effectiveness of access](https://meteor.aihw.gov.au/content/554928)[PAF-Effectiveness](https://meteor.aihw.gov.au/content/554925)* [PAF-Appropriateness](https://meteor.aihw.gov.au/content/554929)
* [PAF-Effectiveness of access](https://meteor.aihw.gov.au/content/554928)
* [PAF-Quality](https://meteor.aihw.gov.au/content/554930)        • [PAF-Capability](https://meteor.aihw.gov.au/content/554934)        • [PAF-Continuity](https://meteor.aihw.gov.au/content/554935)        • [PAF-Responsiveness](https://meteor.aihw.gov.au/content/554933)        • [PAF-Safety](https://meteor.aihw.gov.au/content/554932)
* [PAF-Sustainability](https://meteor.aihw.gov.au/content/554931)

[PAF-Safety](https://meteor.aihw.gov.au/content/554932)[PAF-Equity of access](https://meteor.aihw.gov.au/content/554927)  |
| Data source attributes |
| Data sources: | **Data Source**[ABS Estimated resident population (total population)](https://meteor.aihw.gov.au/content/393625)**Frequency**Quarterly**Data quality statement**[ABS Estimated resident population (total population), QS](https://meteor.aihw.gov.au/content/449216)**Data custodian**Australian Bureau of Statistics**Data Source**[National Hospital Morbidity Database (NHMD)](https://meteor.aihw.gov.au/content/394352)**Frequency**Annual**Data custodian** Australian Institute of Health and Welfare  |
| Accountability attributes |
| Reporting requirements: | National Health Reform Performance and Accountability Framework (NHR\_PAF) |
| Organisation responsible for providing data: | Australian Institute of Health and Welfare  |
| Accountability: | National Health Performance Authority (NHPA) |
| Further data development / collection required: | Specification: Interim |
| Release date: | 07/11/2013 |
| Source and reference attributes |
| Submitting organisation: | NHPA |
| Origin: | Healthy Communities |
| Reference documents: | National Health Reform Performance and Accountability FrameworkHealthy Communities: Selected potentially avoidable hospitalisations in 2011–12, Technical Supplement |
| Relational attributes  |
| Related metadata references: | See also [National Healthcare Agreement: PI 18-Selected potentially preventable hospitalisations, 2013](https://meteor.aihw.gov.au/content/497224)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 30/04/2014 |