National Healthcare Agreement: P43-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2010

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# National Healthcare Agreement: P43-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2010

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| Identifying and definitional attributes |
| Metadata item type: | Indicator |
| Indicator type: | Indicator |
| Short name: | Readmissions within 28 days of selected surgical admissions, 2010 |
| METEOR identifier: | 395081 |
| Registration status: | [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011 |
| Description: | Unplanned and unexpected hospital readmissions within 28 days for selected surgical procedures. |
| Indicator set: | [National Healthcare Agreement (2010)](https://meteor.aihw.gov.au/content/392471)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011 |
| Outcome area: | [Hospital and Related Care](https://meteor.aihw.gov.au/content/393487)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Standard 07/07/2010       [National Health Performance Authority (retired)](https://meteor.aihw.gov.au/RegistrationAuthority/8), Retired 01/07/2016 |
| Data quality statement: | [National Healthcare Agreement: P43-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2010 QS](https://meteor.aihw.gov.au/content/393043)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011 |

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| Collection and usage attributes |
| Computation description: | Limited to public hospitals.Denominator limited to separations with a separation date between 1 July and 19 May in the reference year.Denominator excludes separations where the patient died in hospital.Presented per 1,000 separations.Unplanned/unexpected readmissions are those readmissions where the principal diagnosis indicates an adverse event. These include ICD-10AM codes: T80–88, T98.3, E89, G97, H59, H95, I97, J95, K91, M96 or N99.**Principal diagnoses  codes**A principal diagnosis for the readmission has one of the following ICD-10-AM (5th Ed) codes: T80–88, T98.3, E89, G97, H59, H95, I97, J95, K91, M96 or N99.

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| T80 Complications following infusion, transfusion and therapeutic injection |
| T81 Complications of procedures, not elsewhere classified |
| T82 Complications of cardiac and vascular prosthetic devises, implants and grafts |
| T83 Complications of genitourinary prosthetic devices, implants and grafts |
| T84 Complications of internal orthopaedic prosthetic devices, implants and grafts |
| T85 Complications of other internal prosthetic devices, implants and grafts |
| T86 Failure and rejection of transplanted organs and tissues |
| T87 Complications peculiar to reattachment and amputation |
| T88 Other complications of surgical and medical care, not elsewhere classified |
| T98.3 Sequelae of complications of surgical and medical care, not elsewhere classified |
| E89 Postprocedural endocrine and metabolic disorders, not elsewhere classified |
| G97 Postprocedural disorders of nervous system, not elsewhere classified |
| H59 Postprocedural disorders of eye and adnexa, not elsewhere classified |
| H95 Postprocedural disorders of ear and mastoid process, not elsewhere classified |
| I97 Postprocedural disorders of circulatory system, not elsewhere classified |
| J95 Postprocedural respiratory disorders, not elsewhere classified |
| K91 Postprocedural disorders of digestive system, not elsewhere classified |
| M96 Postprocedural musculoskeletal disorders, not elsewhere classified |
| N99 Postprocedural disorders of genitourinary system, not elsewhere classified |

 **Procedure codes****Number of separations in which one of the following surgical procedures was undertaken: knee replacement; hip replacement; tonsillectomy & adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendicectomy.** **The following is a list of the specific ACHI (5th Ed) procedure codes which are included in the specifications for each of the selected surgical procedures.**

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| **Procedure** | **Procedure Codes** | **Description** |
| Knee replacement | 49518-00 | Total arthroplasty of knee, unilateral |
|   | 49519-00 | Total arthroplasty of knee, bilateral |
|   | 49521-02 | Total arthroplasty of knee with bone graft to tibia, unilateral |
| Hip replacement | 49318-00 | Total arthroplasty of hip, unilateral |
|   | 49319-00 | Total arthroplasty of hip, bilateral |
| Tonsillectomy & adenoidectomy | 41789-00 | Tonsillectomy without adenoidectomy |
|   | 41789-01 | Tonsillectomy with adenoidectomy |
|   | 41801-00 | Adenoidectomy without tonsillectomy |
| Hysterectomy | 35653-01 | Total abdominal hysterectomy |
|   | 35653-02 | Abdominal hysterectomy with unilateral salpingo-oophorectomy |
|   | 35653-03 | Abdominal hysterectomy with bilateral salpingo-oophorectomy |
|   | 35661-00  | Abdominal hysterectomy with extensive retroperitoneal dissection |
|   | 35670-00 | Abdominal hysterectomy with radical excision of pelvic lymph nodes |
|   | 35756-00 | Laparoscopically assisted vaginal hysterectomy proceeding to abdominal hysterectomy |
|   | 35756-01 | Laparoscopically assisted vaginal hysterectomy proceeding to abdominal hysterectomy with unilateral salpingo-oophorectomy |
|   | 35756-02 | Laparoscopically assisted vaginal hysterectomy proceeding to abdominal hysterectomy with bilateral salpingo-oophorectomy |
|   | 35657-00 | Vaginal hysterectomy |
|   | 35673-00 | Vaginal hysterectomy with unilateral salpingo-oophorectomy |
|   | 35673-01 | Vaginal hysterectomy with bilateral salpingo-oophorectomy |
|   | 35667-00 | Radical abdominal hysterectomy |
|   | 35664-00 | Radical abdominal hysterectomy with radical excision of pelvic lymph nodes |
|   | 35664-01 | Radical vaginal hysterectomy with radical excision of pelvic lymph nodes |
|   | 35667-01 | Radical vaginal hysterectomy |
|   | 90443-00 | Other excision of uterus |
| Prostatectomy | 37207-00 | Endoscopic laser ablation of prostate (includes TULIP) |
|   | 37201-00 | Transurethral needle ablation of prostate |
|   | 37203-00 | Transurethral resection of prostate |
|   | 37203-02 | Transurethral electrical vaporisation of prostate |
|   | 37203-04 | Microwave thermotherapy of prostate |
|   | 37203-05 | High intensity focussed ultrasound (transrectal) of prostate |
|   | 37207-01 | Endoscopic laser excision of prostate |
|   | 37200-03 | Suprapubic prostatectomy |
|   | 37200-04 | Retropubic prostatectomy |
|   | 37224-00 | Endoscopic destruction of prostatic lesion |
|   | 37224-01 | Endoscopic resection of prostatic lesion |
|   | 90407-00 | Excision of other lesion of prostate |
|   | 37203-03 | Cryoablation of prostate |
| Cataract surgery | 42698-00 | Intracapsular extraction of crystalline lens |
|   | 42702-00 | Intracapsular extraction of crystalline lens with insertion of foldable artificial lens |
|   | 42702-01 | Intracapsular extraction of crystalline lens with insertion of other artificial lens |
|   | 42698-01 | Extracapsular extraction of crystalline lens by simple aspiration (and irrigation) technique |
|   | 42702-02 | Extracapsular extraction of crystalline lens by simple aspiration (and irrigation) technique with insertion of foldable artificial lens |
|   | 42702-03 | Extracapsular extraction of crystalline lens by simple aspiration (and irrigation) technique with insertion of other artificial lens |
|   | 42698-02 | Extracapsular extraction of crystalline lens by phacoemulsification and aspiration of cataract |
|   | 42702-04 | Extracapsular extraction of crystalline lens by phacoemulsification and aspiration of cataract with insertion of foldable artificial lens |
|   | 42702-05 | Extracapsular extraction of crystalline lens by phacoemulsification and aspiration of cataract with insertion of other artificial lens |
|   | 42698-03 | Extracapsular crystalline lens extraction by mechanical phacofragmentation and aspiration of cataract |
|   | 42702-06 | Extracapsular crystalline lens extraction by mechanical phacofragmentation and aspiration of cataract with insertion of foldable artificial lens |
|   | 42702-07 | Extracapsular crystalline lens extraction by mechanical phacofragmentation and aspiration of cataract with insertion of other artificial lens |
|   | 42698-04 | Other extracapsular extraction of crystalline lens |
|   | 42702-08 | Other extracapsular extraction of crystalline lens with insertion of foldable artificial lens |
|   | 42702-09 | Other extracapsular extraction of crystalline lens with insertion of other artificial lens |
|   | 42731-01 | Extraction of crystalline lens by posterior chamber sclerotomy with removal of vitreous |
|   | 42698-05 | Other extraction of crystalline lens |
|   | 42702-10 | Other extraction of crystalline lens with insertion of foldable artificial lens |
|   | 42702-11 | Other extraction of crystalline lens with insertion of other artificial lens |
| Appendicectomy | 30571-00 | Appendicectomy |
|   | 30572-00 | Laparoscopic appendicectomy |

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| Computation: | 1,000 x (Numerator ÷ Denominator)Calculated separately for each of the specified procedures |
| Numerator: | Number of separations for public hospitals which meet all of the following criteria:* The separation is a readmission to the same hospital following a separation in which one of the following procedures was performed: knee replacement; hip replacement; tonsillectomy & adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendicectomy (see procedure codes in following table)
* The readmission occurs within 28 days of the previous date of separation
* A principal diagnosis for the readmission has one of the following ICD10-AM codes: T80–88, T98.3, E89, G97, H59, H95, I97, J95, K91, M96 or N99
 |
| Numerator data elements: | **Data Element / Data Set**[Episode of admitted patient care—admission date, DDMMYYYY](https://meteor.aihw.gov.au/content/269967)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Establishment—sector, code N](https://meteor.aihw.gov.au/content/269977)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Admitted patient care waiting list episode—scheduled admission date, DDMMYYYY](https://meteor.aihw.gov.au/content/269978)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of admitted patient care—separation date, DDMMYYYY](https://meteor.aihw.gov.au/content/270025)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Person—person identifier, XXXXXX[X(14)]](https://meteor.aihw.gov.au/content/290046)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of admitted patient care—procedure, code (ACHI 5th edn) NNNNN-NN](https://meteor.aihw.gov.au/content/333828)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of care—principal diagnosis, code (ICD-10-AM 5th edn) ANN{.N[N]}](https://meteor.aihw.gov.au/content/333838)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Elective surgery waiting list episode—indicator procedure, code NN](https://meteor.aihw.gov.au/content/334976)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data |
| Denominator: | Number of separations in which one of the following surgical procedures was undertaken: knee replacement; hip replacement; tonsillectomy & adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendicectomy. |
| Denominator data elements: | **Data Element / Data Set**[Episode of admitted patient care—admission date, DDMMYYYY](https://meteor.aihw.gov.au/content/269967)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Establishment—sector, code N](https://meteor.aihw.gov.au/content/269977)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of admitted patient care—separation date, DDMMYYYY](https://meteor.aihw.gov.au/content/270025)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Episode of admitted patient care—procedure, code (ACHI 5th edn) NNNNN-NN](https://meteor.aihw.gov.au/content/333828)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data |
| Disaggregation data elements: | **Data Element / Data Set****Data Element**Hospital peer group**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Establishment—Australian state/territory identifier, code N](https://meteor.aihw.gov.au/content/269941)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Person—Indigenous status, code N](https://meteor.aihw.gov.au/content/291036)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product data**Data Element / Data Set**[Person—area of usual residence, geographical location code (ASGC 2006) NNNNN](https://meteor.aihw.gov.au/content/341800)**Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**NMDS / DSS**[Admitted patient care NMDS 2007-08](https://meteor.aihw.gov.au/content/339089)**Guide for use**Data source type: Administrative by-product dataUsed for disaggregation by remoteness area and SEIFA of residence |
| Comments: | Specified disaggregation: Nationally and by state/territory: Indigenous status, SEIFA of residence, remoteness area, hospital peer group.Available disaggregation: Nationally and by state/territory: Indigenous status, SEIFA of residence, remoteness area, hospital peer group. Data for 2008-09 will be available in May 2010.Most recent data available for 2010 CRC baseline report: 2007-08. |
| Representational attributes |
| Representation class: | Rate |
| Data type: | Real |
| Unit of measure: | Person |
| Format: | N[N].N |
| Indicator conceptual framework |
| Framework and dimensions: | [Effectiveness](https://meteor.aihw.gov.au/content/392587)[Safety](https://meteor.aihw.gov.au/content/392584)[Accessibility](https://meteor.aihw.gov.au/content/392591)  |
| Data source attributes |
| Data sources: | **Data Source**[Admitted Patient Care National Minimum Data Set (APC NMDS)](https://meteor.aihw.gov.au/content/394102)**Frequency**Annual**Data custodian**Australian Institute of Health and Welfare |
| Accountability attributes |
| Reporting requirements: | National Healthcare Agreement |
| Organisation responsible for providing data: | Australian Institute of Health and Welfare |
| Further data development / collection required: | Specification: InterimFurther development of data linkage-based approaches to construction of this indicator.In future, linkage between consecutive years of data can allow analysis of 12 full months of data, and allow the 19 May cut-off date for the initial separation to be changed, if necessary. Further refinement of the procedures list and/or the included diagnoses on readmission, incorporating clinical advice, could be undertaken, if desired.Consideration to be given to whether patient and establishment identifier information would be available for ‘within-hospital’ readmission rate calculation for private hospitals, and readmissions to a different hospital to the initial separation.Possible development of data elements to identify unplanned/unexpected readmissions (for example, a data element to be used for each separation to indicate whether a readmission was planned). |
| Other issues caveats: | Disaggregations within individual jurisdictions will be limited by data quality considerations. Some disaggregations may result in numbers too small for publication. |
| Relational attributes  |
| Related metadata references: | Has been superseded by [National Healthcare Agreement: PI 43-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2011](https://meteor.aihw.gov.au/content/421607)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 31/10/2011See also [National Healthcare Agreement: P20-Potentially avoidable deaths, 2010](https://meteor.aihw.gov.au/content/394495)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011See also [National Healthcare Agreement: P22-Selected potentially preventable hospitalisations, 2010](https://meteor.aihw.gov.au/content/394719)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011See also [National Healthcare Agreement: P38-Adverse drug events in hospitals, 2010](https://meteor.aihw.gov.au/content/395066)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011See also [National Healthcare Agreement: P39-Healthcare-associated Staphylococcus aureus (including MRSA) bacteraemia in acute care hospitals, 2010](https://meteor.aihw.gov.au/content/395068)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011See also [National Healthcare Agreement: P41-Falls resulting in patient harm in hospitals, 2010](https://meteor.aihw.gov.au/content/395076)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011See also [National Healthcare Agreement: P42-Intentional self-harm in hospitals, 2010](https://meteor.aihw.gov.au/content/395079)       [Health](https://meteor.aihw.gov.au/RegistrationAuthority/12), Superseded 08/06/2011 |