

# **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

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Indicator
<b>Short name:</b>	Readmissions within 28 days of selected surgical admissions, 2010
<b>METEOR identifier:</b>	395081
<b>Registration status:</b>	<a href="#">Health!</a> , Superseded 08/06/2011
<b>Description:</b>	Unplanned and unexpected hospital readmissions within 28 days for selected surgical procedures.
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2010)</a> <a href="#">Health!</a> , Superseded 08/06/2011
<b>Outcome area:</b>	<a href="#">Hospital and Related Care</a> <a href="#">National Health Performance Authority (retired)</a> , Retired 01/07/2016 <a href="#">Health!</a> , Standard 07/07/2010
<b>Data quality statement:</b>	<a href="#">National Healthcare Agreement: P43-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2010 QS</a> <a href="#">Health!</a> , Superseded 08/06/2011

## Collection and usage attributes

<b>Computation description:</b>	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.
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### Principal diagnoses codes

A principal diagnosis for the readmission has one of the following ICD-10-AM (5<sup>th</sup> Ed) codes: T80–88, T98.3, E89, G97, H59, H95, I97, J95, K91, M96 or N99.

T80 Complications following infusion, transfusion and therapeutic injection
T81 Complications of procedures, not elsewhere classified
T82 Complications of cardiac and vascular prosthetic devices, 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; appendectomy.**

**The following is a list of the specific ACHI (5<sup>th</sup> Ed) procedure codes which are included in the specifications for each of the selected surgical procedures.**

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

**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](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Admitted patient care waiting list episode—scheduled admission date, DDMMYYYY](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of admitted patient care—separation date, DDMMYYYY](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—person identifier, XXXXXX\[X\(14\)\]](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**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](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**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\[N\]}](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Elective surgery waiting list episode—indicator procedure, code NN](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

**Denominator:**

Data source type: Administrative by-product data  
Number of people who had the following surgical procedures was undertaken: knee replacement; hip replacement; tonsillectomy & adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendectomy.

**Denominator data elements:**

**Data Element / Data Set**

[Episode of admitted patient care—admission date, DDMMYYYY](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Episode of admitted patient care—separation date, DDMMYYYY](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**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](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data



**Disaggregation data elements:**

**Data Element / Data Set**

Hospital peer group

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Establishment—Australian state/territory identifier, code N](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**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](#)

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**NMDS / DSS**

[Admitted patient care NMDS 2007-08](#)

**Guide for use**

Data source type: Administrative by-product data  
Used 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](#)

[Safety](#)

[Accessibility](#)

## Data source attributes

**Data sources:**

**Data Source**

[Admitted Patient Care National Minimum Data Set \(APC NMDS\)](#)

**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: Interim

Further 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: P143-Unplanned/unexpected readmissions within 28 days of selected surgical admissions, 2011](#)

[Health!](#), Superseded 31/10/2011

See also [National Healthcare Agreement: P20-Potentially avoidable deaths, 2010](#)

[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P22-Selected potentially preventable hospitalisations, 2010](#)

[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P38-Adverse drug events in hospitals, 2010](#)

[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P39-Healthcare-associated Staphylococcus aureus \(including MRSA\) bacteraemia in acute care hospitals, 2010](#)

[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P41-Falls resulting in patient harm in hospitals, 2010](#)

[Health!](#), Superseded 08/06/2011

See also [National Healthcare Agreement: P42-Intentional self-harm in hospitals, 2010](#)

[Health!](#), Superseded 08/06/2011