

# National Healthcare Agreement: PI 23- Unplanned hospital readmission rates, 2014

## Identifying and definitional attributes

<b>Metadata item type:</b>	Indicator
<b>Indicator type:</b>	Progress measure
<b>Short name:</b>	PI 23-Unplanned hospital readmission rates, 2014
<b>METEOR identifier:</b>	517634
<b>Registration status:</b>	<ul style="list-style-type: none"><li>• <a href="#">Health</a>, Superseded 14/01/2015</li></ul>
<b>Description:</b>	Unplanned and unexpected hospital readmissions to the same public hospital within 28 days for selected surgical procedures.
<b>Indicator set:</b>	<a href="#">National Healthcare Agreement (2014)</a> <a href="#">Health</a> , Superseded 14/01/2015
<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>Quality statement:</b>	<a href="#">National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2014</a> <a href="#">QS</a> Health, Superseded 14/01/2015

## Collection and usage attributes

**Computation description:** Unplanned/unexpected readmissions are those readmissions where the principal diagnosis indicates an adverse event.

### Principal diagnoses codes

A principal diagnosis for the readmission has one of the following International Statistical Classification of Diseases (ICD-10-AM) (7th 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 and adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendicectomy.

The following is a list of the specific Australian Classification of Health Interventions (ACHI) (7th 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 and adenoidectomy	41789-00	Tonsillectomy without adenoidectomy
	41789-01	Tonsillectomy with adenoidectomy
	41801-00	Adenoidectomy without tonsillectomy
Hysterectomy	35653-01	Total abdominal hysterectomy
	35653-04	Total abdominal hysterectomy with removal of adnexa
	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
	35756-03	Laparoscopically assisted vaginal hysterectomy proceeding to abdominal hysterectomy with removal of adnexa
	90448-01	Total laparoscopic abdominal hysterectomy
	90448-02	Total laparoscopic abdominal hysterectomy with removal of adnexa
	35657-00	Vaginal hysterectomy
	35673-02	Vaginal hysterectomy with removal of adnexa
	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

Procedure	Procedure Codes	Description
	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

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.

Analysis by state and territory is based on location of service.

Analysis by remoteness and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socioeconomic Disadvantage (IRSD) is based on usual residence of person.

Presented per 1,000 separations.

**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 and adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendicectomy (see procedure codes in *computation description* field)
- The readmission occurs within 28 days of the previous date of separation
- A principal diagnosis for the readmission has one of the following ICD-10-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**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**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](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**NMDS / DSS**

[Elective surgery waiting times \(removals data\) NMDS 2009-12](#)

**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 and adenoidectomy; hysterectomy; prostatectomy; cataract surgery; appendicectomy.

**Denominator data elements:**

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Establishment—sector, code N](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**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](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Disaggregation:**

2011–12—Nationally, by specified procedures, by:

- peer group
- Indigenous status
- remoteness (Australian Standard Geographical Classification (ASGC) Remoteness Structure)
- 2011 Socio-Economic Indexes for Areas (SEIFA) IRSD quintiles

2011–12—State and territory, by specified procedures.

Some disaggregations may result in numbers too small for publication.

**Disaggregation data elements:**

**Data Element / Data Set**

**Data Element**

Hospital peer group

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

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

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—Indigenous status, code N](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**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](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data

**Data Element / Data Set**

[Person—area of usual residence, geographical location code \(ASGC 2011\) NNNNN](#)

**Data Source**

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

**NMDS / DSS**

[Admitted patient care NMDS 2011-12](#)

**Guide for use**

Data source type: Administrative by-product data  
Used for disaggregation by remoteness and SEIFA IRSD

**Comments:**

Most recent data available for 2014 Council of Australian Governments (COAG) Reform Council (CRC) report: 2011–12.

The scope of the National Hospital Morbidity Database (NHMD) is episodes of care for admitted patients in essentially all hospitals in Australia, including public and private acute and psychiatric hospitals, free-standing day hospital facilities, alcohol and drug treatment hospitals and dental hospitals.

For 2011-12 data, the 2011 SEIFA IRSD quintile and decile data will be produced using the Australian Standard Geography Classification geographical unit of Statistical Local Area. In future years, these data will be produced using the Australian Statistical Geography Standard geographical unit of Statistical Area 2.

The title of this indicator was changed in the 2012 NHISSC specifications from *Unplanned/unexpected readmissions within 28 days of selected surgical admissions* to *Unplanned/unexpected readmissions within 28 days of selected surgical episodes of care* to better reflect how the indicator is calculated. Readmissions for this indicator are defined within 28 days from the end of the patient's surgical episode of care.

## 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**  
[National Hospital Morbidity Database \(NHMD\)](#)  
**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: Substantial work required, the measure requires significant work to be undertaken.

## Relational attributes

**Related metadata references:** Supersedes [National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2013](#)

- [Health](#), Superseded 30/04/2014

Has been superseded by [National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2015](#)

- [Health](#), Superseded 08/07/2016

See also [National Healthcare Agreement: PI 16-Potentially avoidable deaths, 2014](#)

- [Health](#), Superseded 14/01/2015

See also [National Healthcare Agreement: PI 18-Selected potentially preventable hospitalisations, 2014](#)

- [Health](#), Superseded 14/01/2015

See also [National Healthcare Agreement: PI 22-Healthcare associated infections, 2014](#)

- [Health](#), Superseded 14/01/2015