National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2018

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National Healthcare Agreement: Pl 23–Unplanned hospital readmission rates, 2018

Identifying and definitional attributes

Metadata item type: Indicator

Indicator type: Progress measure

Short name: PI 23–Unplanned hospital readmission rates, 2018

METEOR identifier: 658485

Registration status: Health, Superseded 19/06/2019

Description: Unplanned and unexpected hospital readmissions to the same public hospitals

within 28 days for selected surgical procedures.

Indicator set: National Healthcare Agreement (2018)

Health, Superseded 16/06/2019

Outcome area: Hospital and Related Care

Health, Standard 07/07/2010

National Health Performance Authority (retired), Retired 01/07/2016

Data quality statement: National Healthcare Agreement: PI 23-Unplanned hospital readmission rates, 2018

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Health, Standard 30/01/2018

Collection and usage attributes

Computation description: Unplanned/unexpected hospital 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 ICD-10-AM (9th edn.) codes: T80–88, 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

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

197 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 1 of the following surgical procedures was undertaken: knee replacement; hip replacement; tonsillectomy and adenoidectomy; hysterectomy; prostatectomy; cataract surgery; or appendicectomy.

The following is a list of the specific Australian Classification of Health Interventions (9th edn) 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 |
| | 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 |

| Procedure | Procedure Codes | Description |
|------------------|--------------------|--|
| | 90408-00 | Other destruction of lesion of prostate |
| | 37207–01 | Endoscopic laser excision of prostate |
| | 37200-03 | Subrapubic prostatectomy |
| | 37200-04 | Retropubic prostatectomy |
| | 37224-00 | Endoscopic destruction of lesion of prostate |
| | 37224–01 | Endoscopic resection of lesion of prostate |
| | 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 extraction of crystalline lens by mechanical phacofragmentation and aspiration of cataract |
| | 42702–06 | Extracapsular extraction of crystalline lens by mechanical phacofragmentation and aspiration of cataract with insertion of foldable artificial lens |
| | 42702–07 | Extracapsular extraction of crystalline lens 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 |

| Procedure | Procedure Codes | Description |
|----------------|--------------------|---|
| | 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 the service.

Analysis by remoteness and Socio-Economic Indexes for Areas (SEIFA) Index of Relative Socio-Economic Disadvantage (IRSD) is based on usual residence of the 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; or appendicectomy (see procedure codes in Computation description)
- the readmission occurs within 28 days of the previous date of separation
- a principal diagnosis for the readmission has 1 of the following ICD-10-AM codes: T80–88, 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 2015-16

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Establishment—organisation identifier (state/territory), NNNNN

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

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 2015-16

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 2015-16

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 2015-16

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set-

Episode of care—principal diagnosis, code (ICD-10-AM 9th edn) ANN{.N[N]}

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

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 2015-16

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Establishment—organisation identifier (state/territory), NNNNN

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

Data Element / Data Set

Establishment—sector, code N

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

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 2015-16

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set-

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

Guide for use

Data source type: Administrative by-product data

Disaggregation:

2015–16—Nationally, by specified procedures, by:

- · peer group
- Indigenous status
- remoteness (Australian Statistical Geography Standard (ASGS) Remoteness Structure)
- 2011 SEIFA IRSD quintiles

2015–16—State and territory, by specified procedures.

Disaggregation by peer group used the peer group classification as described in the AlHW publication <u>Australian hospital peer groups</u>.

Some disaggregations may result in numbers too small for publication.

Disaggregation data elements:

Data Element / Data Set-

Establishment—Australian state/territory identifier, code N

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

Establishment—organisation identifier (state/territory), NNNNN

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

Guide for use

Data source type: Administrative by-product data

Used to derive hospital peer group

Data Element / Data Set

Person—Indigenous status, code N

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

Guide for use

Data source type: Administrative by-product data

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)

NMDS / DSS

Admitted patient care NMDS 2015-16

Guide for use

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

Data Element / Data Set

Data Source

National Hospital Morbidity Database (NHMD)

NMDS / DSS

Admitted patient care NMDS 2015-16

Guide for use

Data source type: Administrative by-product data

Comments:

Most recent data available for 2018 National Healthcare Agreement performance reporting: 2015–16.

The scope of the National Hospital Morbidity Database 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 2015–16 data, the 2011 SEIFA IRSD quintile and decile data will be produced using the Australian Statistical Geography Standard geographical unit of Statistical Area Level 2.

Note that for the 2016 and previous reports, disaggregations by public hospital peer group for this indicator were calculated using the peer group classification method as reported in *Australian hospital statistics* 2010–11.

Representational attributes

Representation class:RateData type:RealUnit of measure:PersonFormat:N[NN].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:

Further data development / Specification: Substantial work required, the measure requires significant work to

be undertaken.

Source and reference attributes

Reference documents: AlHW (Australian Institute of Health and Welfare) 2012. Australian hospital statistics

2010–11. Health services series no. 43. Cat. no. HSE 117. Canberra: AlHW.

AlHW 2015. Australian hospital peer groups. Health services series no. 66. Cat.

no. HSE 170. Canberra: AlHW.

Relational attributes

Related metadata references:

Supersedes National Healthcare Agreement: PI 23-Unplanned hospital

readmission rates, 2017

Health, Superseded 30/01/2018

Has been superseded by National Healthcare Agreement: PI 23-Unplanned

hospital readmission rates, 2019 Health, Superseded 13/03/2020

See also National Healthcare Agreement: PI 16-Potentially avoidable deaths,

2018

Health, Superseded 19/06/2019

See also National Healthcare Agreement: PI 18-Selected potentially preventable

hospitalisations, 2018

Health, Superseded 19/06/2019

See also National Healthcare Agreement: PI 22-Healthcare associated infections:

Staphylococcus aureus bacteraemia, 2018

Health, Superseded 19/06/2019