

National Healthcare Agreement: PI 48-Rates of services: Hospital procedures, 2012

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National Healthcare Agreement: PI 48-Rates of services: Hospital procedures, 2012

Identifying and definitional attributes

Metadata item type:	Indicator
Indicator type:	Output measure
Short name:	PI 48-Rates of services: Hospital procedures, 2012
METEOR identifier:	444872
Registration status:	Health , Retired 25/06/2013
Description:	Rates at which selected hospital procedures are performed for different population groups and in public and private hospital sectors.
Indicator set:	National Healthcare Agreement (2012) Health , Superseded 25/06/2013
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 48-Rates of services: hospital procedures, 2012 QS Health , Retired 14/01/2015

Collection and usage attributes

Population group age from:	All ages, for all procedure types except for Hysterectomy; 15 years of age, for Hysterectomy only
Population group age to:	All ages, for all procedure types except for Hysterectomy; 69 years of age, for Hysterectomy only
Computation description:	<u>ICD-10-AM selected surgical procedure codes</u> Number of separations in which one of the following surgical procedures was undertaken: cataract extraction; cholecystectomy; coronary artery bypass graft; coronary angioplasty; cystoscopy; haemorrhoidectomy; hip replacement; inguinal herniorrhaphy; knee replacement; myringotomy; tonsillectomy; varicose veins stripping and ligation; septoplasty; prostatectomy; hysterectomy. <u>ACHI (6th Edition) procedure codes</u> The following is a list of the specific ACHI (6th Ed) procedure codes which are included in the specifications for each of the selected surgical procedures.

Procedure	Procedure Codes	Description
Cataract extraction	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

Procedure	Procedure Codes	Description
	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
	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
	42734-00	Capsulotomy of lens
	42788-00	Capsulotomy of lens by laser
	42719-00	Capsulectomy of lens
	42731-00	Capsulectomy of lens by posterior chamber sclerotomy with removal of vitreous
	42719-02	Mechanical fragmentation of secondary membrane
	42716-00	Removal of juvenile cataract
	42702-11	Other extraction of crystalline lens with insertion of other artificial lens

Procedure	Procedure Codes	Description
Cholecystectomy	42722-00	Capsulectomy of lens by posterior chamber sclerotomy
	30443-00	Cholecystectomy
	30454-01	Cholecystectomy with choledochotomy
	30455-00	Cholecystectomy with choledochotomy and biliary intestinal anastomosis
	30445-00	Laparoscopic cholecystectomy
	30446-00	Laparoscopic cholecystectomy proceeding to open cholecystectomy
	30448-00	Laparoscopic cholecystectomy with removal of common bile duct calculus via cystic duct
	30449-00	Laparoscopic cholecystectomy with removal of common bile duct calculus via laparoscopic choledochotomy
Coronary artery bypass graft	38497-00	Coronary artery bypass, using 1 saphenous vein graft
	38497-01	Coronary artery bypass, using 2 saphenous vein grafts
	38497-02	Coronary artery bypass, using 3 saphenous vein grafts
	38497-03	Coronary artery bypass, using ≥ 4 saphenous vein grafts
	38497-04	Coronary artery bypass, using 1 other venous graft
	38497-05	Coronary artery bypass, using 2 other venous grafts
	38497-06	Coronary artery bypass, using 3 other venous grafts
	39497-07	Coronary artery bypass, using ≥ 4 other venous grafts
	38500-00	Coronary artery bypass, using 1 LIMA graft
	38503-00	Coronary artery bypass, using ≥ 2 LIMA grafts
	38500-01	Coronary artery bypass, using 1 RIMA graft
	38503-01	Coronary artery bypass, using ≥ 2 RIMA grafts
	38500-02	Coronary artery bypass, using 1 radial artery graft
	38503-02	Coronary artery bypass, using ≥ 2 radial artery grafts
	38500-03	Coronary artery bypass, using 1 epigastric artery graft
	38503-03	Coronary artery bypass, using ≥ 2 epigastric artery grafts
38500-04	Coronary artery bypass, using 1 other arterial graft	
38503-04	Coronary artery bypass, using ≥ 2 other arterial grafts	

Procedure	Procedure Codes	Description
	90201-00	Coronary artery bypass, using 1 other material graft, not elsewhere classified
	90201-01	Coronary artery bypass, using 2 other material grafts, not elsewhere classified
	90201-02	Coronary artery bypass, using 3 other material grafts, not elsewhere classified
	90201-03	Coronary artery bypass, using ≥ 4 other material grafts, not elsewhere classified
Coronary angioplasty	38300-00	Percutaneous transluminal balloon angioplasty of 1 coronary artery
	38303-00	Percutaneous transluminal balloon angioplasty of ≥ 2 coronary arteries
	38300-01	Open transluminal balloon angioplasty of 1 coronary artery
	38303-01	Open transluminal balloon angioplasty of ≥ 2 coronary arteries
	38306-00	Percutaneous insertion of 1 transluminal stent into single coronary artery
	38306-01	Percutaneous insertion of ≥ 2 transluminal stents into single coronary artery
	38306-02	Percutaneous insertion of ≥ 2 transluminal stents into multiple coronary arteries
	38306-03	Open insertion of 1 transluminal stent into single coronary artery
	38306-04	Open insertion of ≥ 2 transluminal stents into single coronary artery
	38306-05	Open insertion of ≥ 2 transluminal stents into multiple coronary arteries
Cystoscopy	36812-00	Cystoscopy
	36812-01	Cystoscopy through artificial stoma
	36836-00	Endoscopic biopsy of bladder
Haemorrhoidectomy	32138-00	Haemorrhoidectomy
	32132-00	Sclerotherapy for haemorrhoids
	32135-00	Rubber band ligation of haemorrhoids
	32135-01	Destruction of haemorrhoids
Hip replacement	47522-00	Hemiarthroplasty of femur
	49315-00	Partial arthroplasty of hip
	49318-00	Total arthroplasty of hip, unilateral
	49319-00	Total arthroplasty of hip, bilateral
	49324-00	Revision of total arthroplasty of hip
	49327-00	Revision of total arthroplasty of hip with bone graft to acetabulum
	49330-00	Revision of total arthroplasty of hip with bone graft to femur
	49333-00	Revision of total arthroplasty of hip with bone graft to acetabulum and femur

Procedure	Procedure Codes	Description
	49339-00	Revision of total arthroplasty of hip with anatomic specific allograft to acetabulum
	49342-00	Revision of total arthroplasty of hip with anatomic specific allograft to femur
	49345-00	Revision of total arthroplasty of hip with anatomic specific allograft to acetabulum and femur
	49346-00	Revision of partial arthroplasty of hip
Inguinal herniorrhaphy	30614-03	Repair of inguinal hernia, bilateral
	30615-00	Repair of incarcerated, obstructed or strangulated hernia
	30609-03	Laparoscopic repair of inguinal hernia, bilateral
	30614-02	Repair of inguinal hernia, unilateral
	30609-02	Laparoscopic repair of inguinal hernia, unilateral
Knee replacement	49527-00	Revision of total arthroplasty of knee
	49517-00	Hemiarthroplasty of knee
	49518-00	Total arthroplasty of knee, unilateral
	49519-00	Total arthroplasty of knee, bilateral
	49534-01	Total replacement arthroplasty of patellofemoral joint of knee
	49521-00	Total arthroplasty of knee with bone graft to femur, unilateral
	49521-01	Total arthroplasty to knee with bone graft to femur, bilateral
	49521-02	Total arthroplasty to knee with bone graft to tibia, unilateral
	49521-03	Total arthroplasty to knee with bone graft to tibia, bilateral
	49524-00	Total arthroplasty of knee with bone graft to femur and tibia, unilateral
	49524-01	Total arthroplasty of knee with bone graft to femur and tibia, bilateral
	49530-00	Revision of total arthroplasty of knee with bone graft to femur
	49530-01	Revision of total arthroplasty of knee with bone graft to tibia
	49533-00	Revision of total arthroplasty of knee with bone graft to femur and tibia
	49554-00	Revision of total arthroplasty of knee with anatomic specific allograft
Myringotomy	41626-00	Myringotomy, unilateral
	41626-01	Myringotomy, bilateral
	41632-00	Myringotomy with insertion of tube, unilateral
	41632-01	Myringotomy with insertion of tube, bilateral
Tonsillectomy	41789-00	Tonsillectomy without adenoidectomy

Procedure	Procedure Codes	Description
	41789-01	Tonsillectomy with adenoidectomy
Varicose veins stripping and ligation	32508-00	Interruption of sapheno-femoral junction varicose veins
	32508-01	Interruption of sapheno-popliteal junction varicose veins
	32511-00	Interruption of sapheno-femoral and sapheno-popliteal junction varicose veins
	32504-01	Interruption of multiple tributaries of varicose veins
	32507-00	Subfascial interruption of one or more perforating varicose veins
Septoplasty	32514-00	Reoperation for varicose veins
	41671-02	Septoplasty
	41671-03	Septoplasty with submucous resection of nasal septum
Prostatectomy	37200-03	Suprapubic prostatectomy
	37200-04	Retropubic prostatectomy
	37200-05	Other open prostatectomy
	37201-00	Transurethral needle ablation of prostate [TUNA]
	37203-00	Transurethral resection of prostate [TURP]
	37203-02	Transurethral electrical vaporisation of prostate
	37203-03	Cryoablation of prostate
	37203-04	Microwave thermotherapy of prostate
	37203-05	High intensity focused ultrasound [HIFUS] (transrectal) of prostate
	37203-06	Other closed prostatectomy
	37207-00	Endoscopic laser ablation of prostate
	37207-01	Endoscopic laser excision of prostate
	37209-00	Radical prostatectomy
	37209-01	Laparoscopic radical prostatectomy
	37210-00	Radical prostatectomy with bladder neck reconstruction
	37210-01	Laparoscopic radical prostatectomy with bladder neck reconstruction
	37211-00	Radical prostatectomy with bladder neck reconstruction and pelvic lymphadenectomy
37211-01	Laparoscopic radical prostatectomy with bladder neck reconstruction and pelvic lymphadenectomy	
37224-01	Endoscopic resection of lesion of prostate	
37224-00	Endoscopic destruction of lesion of prostate	
90407-00	Excision of other lesion of prostate	

Procedure	Procedure Codes	Description
Hysterectomy	35653-00	Subtotal abdominal 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
	35667-00	Radical abdominal hysterectomy
	35664-00	Radical abdominal hysterectomy with radical excision of pelvic lymph nodes
	90448-00	Subtotal laparoscopic abdominal hysterectomy
	90448-01	Total laparoscopic abdominal hysterectomy
	90448-02	Total laparoscopic abdominal hysterectomy with removal of adnexa
	35657-00	Vaginal hysterectomy
	35750-00	Laparoscopically assisted vaginal hysterectomy
	35756-00	Laparoscopically assisted vaginal hysterectomy proceeding to abdominal hysterectomy
	35673-02	Vaginal hysterectomy with removal of adnexa
	35753-02	Laparoscopically assisted vaginal hysterectomy with removal of adnexa
	35756-03	Laparoscopically assisted vaginal hysterectomy proceeding to abdominal hysterectomy with removal of adnexa
	35667-01	Radical vaginal hysterectomy
	35664-01	Radical vaginal hysterectomy with radical excision of pelvic lymph nodes
	90450-00	Anterior pelvic exenteration
	90450-01	Posterior pelvic exenteration
90450-02	Total pelvic exenteration	

Numerator excludes multiple procedures for the same separation within the same procedure group; separations with care type newborn with no qualified days, hospital boarders and posthumous organ procurement.

Rates directly age-standardised to the 2001 Australian population. Hysterectomy limited to female patients aged 15–69 years. Prostatectomy limited to males.

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

Analysis by remoteness and SEIFA Index of Relative Socioeconomic Disadvantage (IRSD) is based on usual residence of person.

Presented as:

- number, and
- per 1,000.

Computation: $1,000 \times (\text{Numerator} \div \text{Denominator})$

Calculated separately for each procedure.

Numerator: Number of hospital separations involving the following procedures:

- (a) Cataract extraction
- (b) Cholecystectomy
- (c) Coronary artery bypass graft
- (d) Coronary angioplasty
- (e) Cytoscopy
- (f) Haemorrhoidectomy
- (g) Hip replacement
- (h) Inguinal herniorrhaphy
- (i) Knee replacement
- (j) Myringotomy
- (k) Tonsillectomy
- (l) Varicose veins stripping and ligation
- (m) Septoplasty
- (n) Prostatectomy
- (o) Hysterectomy (limited to patients aged 15-69 years)

Numerator data elements:

Data Element / Data Set

[Hospital service—care type, code N\[N\].N](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—sex, code N](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Person—age, total years N\[NN\]](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product data

Data Element / Data Set

[Episode of admitted patient care—procedure, code \(ACHI 6th edn\) NNNNN-NN](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product

Denominator:

For procedures (a) to (m): Total population

For procedure (n): Male population

For procedure (o): Female population aged 15–69 years

Denominator data elements:

Data Element / Data Set

Person—estimated resident population of Australia

Data Source

[ABS Estimated resident population \(total population\)](#)

Guide for use

Data source type: Census-based plus administrative by-product data

Data Element / Data Set

Person—estimated resident population of Australia

Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

Guide for use

Data source type: Census-based plus administrative by-product data

Data Element / Data Set

[Person—sex, code N](#)

Data Source

[ABS Estimated resident population \(total population\)](#)

Guide for use

Data source type: Census-based plus administrative by-product data

Data Element / Data Set

[Person—sex, code N](#)

Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

Guide for use

Data source type: Census-based plus administrative by-product data

Data Element / Data Set

[Person—age, total years N\[NN\]](#)

Data Source

[ABS Estimated resident population \(total population\)](#)

Guide for use

Data source type: Census-based plus administrative by-product data

Data Element / Data Set

[Person—age, total years N\[NN\]](#)

Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

Guide for use

Data source type: Census-based plus administrative by-product data

Disaggregation:

2009-10—Nationally, by procedure type, by SEIFA Index of Relative Socioeconomic Disadvantage (IRSD) deciles

2009-10—State and territory, by procedure type (and total), by:

- age groups (50–64 years, 65 years and over)
- hospital sector
- Indigenous status
- remoteness (Australian Standard Geographical Classification Remoteness Structure)
- SEIFA IRSD quintiles.

2007–08 and 2008–09 (requested by COAG Reform Council)—State and territory, by procedure type (and total), by:

- age groups (50–64 years, 65 years and over)

Some disaggregation may result in numbers too small for publication. National disaggregation by Indigenous status will be based on data only from jurisdictions for which the quality of Indigenous identification is considered acceptable.

Disaggregation data elements:

Data Element / Data Set

[Establishment—organisation identifier \(state/territory\), NNNNN](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product

Data Element / Data Set

[Establishment—sector, code N](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product

Data Element / Data Set

[Person—Indigenous status, code N](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product

Data Element / Data Set

[Episode of admitted patient care—procedure, code \(ACHI 6th edn\) NNNNN-NN](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

Data source type: Administrative by-product

Data Element / Data Set

[Person—area of usual residence, geographical location code \(ASGC 2008\) NNNNNN](#)

Data Source

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

NMDS / DSS

[Admitted patient care NMDS 2009-10](#)

Guide for use

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

Comments:

Most recent data available for 2012 CRC report: 2009–10

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.

Representational attributes

Representation class:	Rate
Data type:	Real
Unit of measure:	Person
Format:	N[N].N

Indicator conceptual framework

Framework and dimensions:

[Accessibility](#)

Data source attributes

Data sources:

Data Source

[ABS Estimated resident population \(total population\)](#)

Frequency

Quarterly

Data quality statement

[ABS Estimated resident population \(total population\). QS](#)

Data custodian

Australian Bureau of Statistics

Data Source

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

Frequency

Annual

Data custodian

Australian Institute of Health and Welfare

Data Source

[ABS Indigenous experimental estimates and projections \(2001 Census-based\)](#)

Frequency

Periodic

Data quality statement

[ABS Indigenous experimental estimates and projections. QS](#)

Data custodian

Australian Bureau of Statistics

Accountability attributes

Reporting requirements: National Healthcare Agreement

Organisation responsible for providing data: Australian Institute of Health and Welfare

Further data development / collection required: Specification: Long-term.

Relational attributes

Related metadata references:

Supersedes [National Healthcare Agreement: PI 48-Rates of services: Hospital procedures, 2011](#)

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

See also [National Healthcare Agreement: PI 45-Rates of services: Overnight separations, 2012](#)

[Health](#), Retired 25/06/2013

See also [National Healthcare Agreement: PI 46-Rates of services: Outpatient occasions of service, 2012](#)

[Health](#), Retired 25/06/2013

See also [National Healthcare Agreement: PI 47-Rates of services: Non-acute care separations, 2012](#)

[Health](#), Retired 25/06/2013

See also [National Healthcare Agreement: PI 60-Access to services by type of service compared to need, 2012](#)

[Health](#), Retired 25/06/2013