

Supplementary Material

Temporal trends in medical device implant procedures in Australia 2008–22: evidence from the Australian Institute of Health and Welfare National Hospital Morbidity database

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Supplementary Material

Table S1: List of procedures included in the study.

ACHI procedure code	Period
42701-00 Insertion of foldable lens/ intraocular lens	2007-08 to 2021-22
42701-01 Insertion of other artificial lens	2007-08 to 2016-17
42703-00 Insertion of intraocular lens into posterior chamber and suture to iris or sclera	2007-08 to 2021-22
42702-04 Extracapsular extraction of crystalline lens by phacoemulsification and aspiration of cataract with insertion of foldable artificial lens	2007-08 to 2016-17
42702-05 Extracapsular extraction of crystalline lens by phacoemulsification and aspiration of cataract with insertion of other artificial lens	2007-08 to 2016-17
42702-06 Extracapsular extraction of crystalline lens by mechanical phacofragmentation and aspiration of cataract with insertion of foldable artificial lens	2007-08 to 2016-17
42702-07 Extracapsular extraction of crystalline lens by mechanical phacofragmentation and aspiration of cataract with insertion of other artificial lens	2007-08 to 2016-17
38488-00 Replacement of aortic valve with mechanical prosthesis	2007-08 to 2021-22
38488-01 Replacement of aortic valve with bioprosthesis	2007-08 to 2021-22
38488-08 Percutaneous replacement of aortic valve with bioprosthesis	2017-18 to 2021-22
96222-00 Percutaneous mitral valvuloplasty using closure device	2007-08 to 2021-22
38477-00 Mitral valve annuloplasty with ring insertion	2010-2011 to 2021-22
38488-02 Replacement of mitral valve with mechanical prosthesis	2007-08 to 2021-22
38488-03 Replacement of mitral valve with bioprosthesis	2007-08 to 2021-22
38353-00 Insertion of cardiac pacemaker generator	2007-08 to 2021-22
38393-00 Insertion of cardiac defibrillator generator	2007-08 to 2021-22
38306-00 Percutaneous insertion of 1 transluminal stent into single coronary artery	2007-08 to 2021-22
38306-01 Percutaneous insertion of >= 2 transluminal stents into single coronary artery	2007-08 to 2021-22
38306-02 Percutaneous insertion of >= 2 transluminal stents into multiple coronary arteries	2007-08 to 2021-22
38306-03 Open insertion of 1 transluminal stent into single coronary artery	2007-08 to 2014-15; 2017-18 to 2021-22
38306-04 Open insertion of >= 2 transluminal stents into single coronary artery	2017-18
38306-05 Open insertion of >= 2 transluminal stents into multiple coronary arteries	2010-11, 2015-16 to 2017-18
30511-13 Laparoscopic gastric banding	2015-16 to 2021-22
30511-02 Laparoscopic adjustable gastric banding (LAGB)	2013-14 to 2014-15
30511-03 Laparoscopic nonadjustable gastric banding (LNGB)	2013-14 to 2014-15
30511-14 Gastric banding	2015-16 to 2021-22
30511-04 Adjustable gastric banding (AGB)	2013-14, 2014-15
30405-01 Repair of incisional hernia with prosthesis	2007-08 to 2021-22
47522-00 Hemiarthroplasty of femur	2007-08 to 2021-22
49315-00 Partial arthroplasty of hip	2007-08 to 2021-22
49318-00 Total arthroplasty of hip, unilateral	2007-08 to 2021-22
49319-00 Total arthroplasty of hip, bilateral	2007-08 to 2021-22
90607-00 Resurfacing of hip, unilateral	2007-08 to 2021-22
90607-01 Resurfacing of hip, bilateral	2007-08 to 2010-11, 2013-14 to 2021-22
49517-00 Hemiarthroplasty of knee	2007-08 to 2021-22
49518-00 Total arthroplasty of knee, unilateral	2007-08 to 2021-22
49519-00 Total arthroplasty of knee, bilateral	2007-08 to 2021-22
49534-01 Total replacement arthroplasty of patellofemoral joint of knee	2007-08 to 2021-22
49521-00 Total arthroplasty of knee with bone graft to femur, unilateral	2007-08 to 2021-22

ACHI procedure code	Period
49521-02 Total arthroplasty to knee with bone graft to tibia, unilateral	2007-08 to 2021-22
49524-00 Total arthroplasty of knee with bone graft to femur and tibia, unilateral	2007-08 to 2021-22
49524-01 Total arthroplasty of knee with bone graft to femur and tibia, bilateral	2011-12 to 2013-14, 2015-16 to 2021-22
45524-00 Augmentation mammoplasty, unilateral	2007-08 to 2021-22
45527-00 Augmentation mammoplasty following mastectomy, unilateral	2007-08 to 2021-22
45527-01 Augmentation mammoplasty following mastectomy, bilateral	2007-08 to 2021-22
45528-00 Augmentation mammoplasty, bilateral	2007-08 to 2021-22

Note: Inconsistencies in procedure code and category reporting.

Our study is based on a dataset which has several inconsistencies in reporting of the procedure categories and codes. These inconsistencies can be classified into two broad categories. In the first category, we noticed no reporting of particular procedure code and category (see supplementary material for details). A notable example of this category is ‘laparoscopic gastric banding’ with procedure code ‘30511-13’, which is probably due to fact that the procedure was not introduced in the hospitals at that point in time. In the second category, we have grouped procedure codes that have changed from time to time in a number of cases. For example, the procedure category ‘insertion of foldable lens/ intraocular lens’ was reported using code ‘42701-00’ for the period 2008-09 to 2016-17 while for period 2017-18 to 2018-19 it was reported under procedure category ‘Insertion of intraocular lens into posterior chamber and suture to iris or sclera’ with procedure code ‘42703-00’.