

10 Procedures for admitted patients

Introduction

The *National health data dictionary* version 12 (NHDC 2003) defines a procedure as a clinical intervention that is surgical in nature, carries a procedural risk, carries an anaesthetic risk, requires specialised training, and/or requires special facilities or equipment available only in an acute care setting. Procedures therefore encompass surgical procedures and non-surgical investigative and therapeutic procedures such as X-rays and chemotherapy. Client support interventions that are neither investigative nor therapeutic (such as anaesthesia) are also included.

Procedures for 2005–06 were classified, coded and reported to the National Hospital Morbidity Database by all states and territories, using the fourth edition of the *International statistical classification of diseases and related health problems, 10th revision, Australian modification* (ICD-10-AM) (NCCH 2004). Information about the quality of the ICD-10-AM coded data is presented in Appendix 1.

One or more procedures can be reported for each separation in the National Hospital Morbidity Database, but procedures are not undertaken for all hospital admissions, so only some of the separation records include procedure data.

There are two types of data on procedures presented in this chapter:

- data on the separations for which one or more procedures were reported within the group of procedures (an ICD-10-AM procedure block or chapter) being considered. Because more than one procedure can be reported for each separation, the counts for these data are not additive, so totals in the tables will not usually equal the sum of counts in the rows. These counts are of separations, rather than of procedures. Therefore, a separation will be counted only once for each group of procedures, regardless of the number of procedures reported within the group.
- data on the total number of procedures reported. For these data, all procedures within a group of procedures being considered are counted, even if there is more than one reported for a separation.

The procedure classification is divided into chapters by anatomical site and within each chapter by a 'superior' to 'inferior' (head to toe) approach. These sub-chapters are further divided into more specific procedure blocks, beginning with the least invasive procedure through to the most invasive. The blocks, which are numbered sequentially, group the very specific procedure codes. The tables and figures in this chapter use blocks and abbreviated descriptions. Full descriptions of the categories are available in the ICD-10-AM publication (NCCH 2004).

Most of the information is presented using two methods of grouping procedures based on the ICD-10-AM procedure classification:

- ICD-10-AM procedure chapters – these 20 groups provide information aggregated at the ICD-10-AM chapter level (Tables 10.1 to 10.4, 10.7, 10.8 and 10.20)
- ICD-10-AM procedure blocks – these 1,419 categories describe procedures at a specific level. Detailed information is presented for the 30 groups with the highest number of

separations (Tables 10.9 to 10.19) and summary information is provided for all the groups (for which separations were reported) on the Internet at <www.aihw.gov.au> (Tables S10.1 and S10.2).

In addition, Tables 10.5 and 10.6 present time series information on separations for selected procedures.

Tables are presented with summary separation, patient day and average length of stay statistics for public and private hospitals and for public patients, nationally and by state and territory. National information on age group and sex distributions is presented in Table 10.18 and 10.19. The 30 ICD-10-AM procedure blocks with the highest number of separations are also presented. Information on 'public' patients in Tables 10.1 to 10.2 and Tables 10.9 to 10.13 relates to separations for which the patient election status was reported as public (see Chapter 7).

Information on procedure statistics by Indigenous status is presented in Table 10.20 and Figure 10.2, and is restricted to include data from Queensland, Western Australia, South Australia and public hospitals in the Northern Territory only. See Chapter 8 for more information on quality of Indigenous status data.

Overall, there were almost 6 million separations for which a procedure was reported, 81.5% of total separations. Almost 20.3 million patient days were reported for separations with a procedure, accounting for 83.3% of the total (Tables 10.1 and 10.2).

Procedures and other data elements reported for separations

The information on procedures reported in this chapter is compiled in the National Hospital Morbidity Database with a range of other data. Figure 10.1 demonstrates this using the example of procedure block 197 *Lens extraction* and other data elements in the National Hospital Morbidity Database. There were 165,781 separations for which this procedure was reported, with an average length of stay of 1.0 days. Almost 68.9% of separations were admitted to private hospitals. The majority of separations (99.6%) with this procedure had a separation mode of Other, suggesting that these patients went home after separation from the hospital, whereas 0.2% were transferred to another acute hospital. The principal diagnosis mostly associated with this procedure was *Other cataract* (H26) with 107,402 separations, and the most commonly reported AR-DRG was *Lens procedure, sameday* (C16B) with 152,198 separations. There were more separations for females than males, with females accounting for 58.5% of separations. The majority of separations (95.6%) were for patients aged 55 years and over.

ICD-10-AM chapters

Tables 10.1 to 10.4 provide separation and procedure statistics reported for each of the ICD-10-AM procedure chapters. Tables 10.1 and 10.2 present statistics by hospital sector, and Tables 10.3 and 10.4 present separations reported for each ICD-10-AM procedure chapter by sector, states and territories. If a separation had two procedures reported from within the same chapter, it was counted only once.

Sector

Public hospitals accounted for 55.8% of the separations for which a procedure was reported, although they accounted for 61.1% of the separations overall. Similarly, although 69.8% of overall patient days were in public hospitals, 67.3% of patient days associated with procedures were in public hospitals. In public hospitals, 74.5% of total separations involved a procedure (3,327,810) and these separations were associated with 80.2% of total patient days (Table 10.1). In contrast, 92.5% of total separations in private hospitals involved a procedure (2,633,176), and these separations were associated with 90.4% of total patient days (Table 10.2). About 85.7% of separations with a procedure in public hospitals were for public patients, in contrast to 3.4% in private hospitals.

The private sector reported a higher proportion of separations for same-day procedures than the public sector. About 54.0% (1,796,018) of separations for which a procedure was reported were same-day in public hospitals, compared with 66.4% (1,749,432) in private hospitals (Tables 10.1 and 10.2).

The highest numbers of separations in both the public and private sectors were for *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1922) (Table 10.1 and Table 10.2). This chapter also accounted for the highest numbers of patient days in the public sector and the private sector.

In public hospitals, after *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1922) (2,151,057), the chapter that accounted for the largest number of separations was *Procedures on urinary system* (Blocks 1040–1129), which includes haemodialysis. There were 850,545 separations for which procedures in this chapter were reported, accounting for 1,395,820 patient days. This group of procedures also accounted for a large number of same day separations (783,604) and public patient separations (754,432). Other chapters that accounted for a large number of separations in public hospitals were *Imaging services* (Blocks 1940–2016) with 423,181 separations and *Procedures on digestive system* (Blocks 850–1011) with 387,497 separations.

Within the private sector, *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1916) reported 2,185,465 separations. *Procedures on digestive system* (Blocks 850–1011), which includes colonoscopy, accounted for the next largest number of separations (599,078) with 1,095,576 patient days. This group of procedures also accounted for a large number of same-day separations (465,254). Other chapters that accounted for a large number of separations in private hospitals were *Procedures on urinary system* (Blocks 1040–1129) with 259,988 separations and *Procedures on musculoskeletal system* (Blocks 1360–1579) with 258,611 separations.

States and territories

Tables 10.3 and 10.4 describe the pattern of hospital use in the states and territories by procedure chapter, in both the public and private sectors. These tables enable state by state comparisons of overall hospital use for the different procedure chapters and the share of separations between the private and public sectors. For example, the proportion of total separations for *Procedures on urinary system* (Blocks 1040–1129) performed in public hospitals in comparison to private hospitals was higher in Victoria (249,629 public sector separations or 83.6% of combined separations) than in Queensland (129,694 public sector separations or 62.5% of combined separations). The proportion of total separations for *Procedures on eye and adnexa* (Blocks 160–256) performed in private hospitals in comparison to public hospitals was

higher in Queensland (37,065 private sector separations, representing 79.6% of combined separations) than in Victoria (30,576 private sector separations, or 57.0%).

Selected procedures, 2001–02 to 2005–06

Tables 10.5 and 10.6 present the number of separations for selected procedures from 2001–02 to 2005–06 and the change in separations over this period, by hospital sector and patient election status. The selected procedures have been identified as performance indicators relating to appropriateness and may also be indicators of accessibility. The ICD-10-AM codes used to define the procedures are listed in Appendix 1. More information and statistics on the selected procedures and other hospital performance indicators can be found in Chapter 4.

Changes in separations reported for each of the selected procedures between 2001–02 and 2005–06 varied between the hospital sectors. For example, the number of private sector separations for *Cholecystectomy* decreased by 3.5% (744 separations) between 2001–02 and 2005–06, compared with an increase of 6.4% (1,571 separations) in the public sector over the same period (Table 10.5). Overall, the reported number of separations increased for 9 of the 12 selected procedures between 2001–02 and 2005–06 both in the private sector and the public sector. Decreases in the number of separations over the 5-year period for *Coronary artery bypass graft*, *Hysterectomy* and *Myringotomy* were reported for both sectors.

Table 10.6 presents the number of separations and change in separations for selected procedures from 2001–02 to 2005–06, by patient election status, for all hospitals. The overall changes by selected procedure in Table 10.6 are slightly different from those presented in Table 10.5, partly owing to a small proportion of separations whose patient election status was not reported (less than 5% of all separations in each year).

Variations between private and public patients in changes in separations for the selected procedures over the 5-year period were similar to those identified between hospital sectors. For example, private patient separations increased for 9 of the 12 selected procedures between 2001–02 and 2005–06, whereas public patient separations increased for 8 of the selected procedures over the same period. A notable difference between private and public patients was for *Tonsillectomy*, with private patient separations increasing by 8.3% (1,657 separations) between 2001–02 and 2005–06, compared with a decrease in public patient separations of 0.8% (113 separations) over the same period.

Total procedures

Tables 10.7 and 10.8 provide counts of all the procedures reported for 2005–06, by state and territory for the public and private sectors. The totals are the total number of procedures, rather than the total number of separations for which a procedure was reported, as presented elsewhere in this chapter. In all, 14.5 million procedures were reported, 7.9 million in the public sector and 6.6 million in the private sector. The most commonly reported procedure chapter in both public and private hospitals was *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1922) (6,782,013 procedures in total). A block which accounted for many of these procedures was *Cerebral anaesthesia* (Block 1910), 41.5% of the chapter overall (2,814,181 procedures) (Tables 10.9 to 10.12). The next most common procedure chapters for both sectors combined were *Procedures on digestive system* (Blocks 850–1011) (1,321,263) and *Procedures on urinary system* (Blocks 1040–1129) (1,187,684).

After *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1922), the most commonly reported procedure chapter in public hospitals was *Procedures on urinary system* (Blocks 1040–1119) with 886,764 procedures. In private hospitals, it was *Procedures on digestive system* (Blocks 850–1011) with 795,493 procedures.

High-volume procedures

Tables 10.9 to 10.19 present information on the most common procedures (at the block level of the ICD-10-AM classification).

Sector

Tables 10.9 and 10.10 contain summary separation, patient day and average length of stay statistics for the 30 blocks with the highest number of overnight separations in public and private hospitals, and Tables 10.11 and 10.12 contain summary separation statistics for same-day separations. Table 10.13 contains summary separation, patient day and average length of stay statistics for the procedure blocks with the most separations in private free-standing day hospitals only.

In the public sector, the most common procedure blocks for overnight separations were *Generalised allied health interventions* (Block 1916) (826,479) and *Cerebral anaesthesia* (Block 1910) (570,198) (Table 10.9). The average length of stay for separations reporting each of these procedure blocks was 11.3 and 6.4 days respectively. Both these procedure blocks also accounted for the highest number of patient days for separations with procedures, with 9,342,499 patient days for *Generalised allied health interventions* (Block 1916) and 3,674,337 patient days for *Cerebral anaesthesia* (Block 1910). *Haemodialysis* (Block 1060) was the most frequently reported procedure for same-day separations in the public sector (726,414), followed by *Cerebral anaesthesia* (Block 1910) (549,470) (Table 10.11).

Cerebral anaesthesia (Block 1910) was the most frequently reported procedure for overnight separations in private hospitals (529,338) (Table 10.10), and also the most frequently reported procedure for same-day separations (1,054,399) (Table 10.12).

Cerebral anaesthesia (Block 1910) was the most frequently reported procedure group in private free-standing day hospitals (320,194 separations), followed by *Panendoscopy with excision* (Block 1008) (71,378 separations) (Table 10.13). Public patient separations accounted for 31.4% (15,795) of the separations for *Haemodialysis* (Block 1060) in private free-standing day hospitals.

States and territories

There was some variation between the states and territories in the relative number of separations for the most common procedure blocks (Tables 10.14 and 10.15). In the public sector, for example, the proportion of separations for which *Haemodialysis* (Block 1060) was reported was greatest for the Northern Territory (43.4%, 36,164) and lowest in Tasmania (13.4%, 12,656). In the private sector, Victoria had relatively high numbers of separations with *Panendoscopy* (Block 1005) (20,975).

There was also some variation between the states and territories in the average length of stay for separations reporting the most common procedure blocks (Tables 10.16 and 10.17). For

example, in the public sector, the average length of stay for separations with *Coronary angiography* (Block 668) ranged from 3.0 days in the Australian Capital Territory to 6.2 days in New South Wales and 8.3 days in the Northern Territory (Table 10.16). Overall, there was a much smaller variation in average lengths of stay within the private sector for those blocks, but there was still some variation. For example, the average length of stay for separations with *Psychological/psychosocial therapies* (Block 1873) ranged from 3.0 days in Queensland to 12.6 days in Victoria (Table 10.17).

Age group and sex

There was little difference between males and females in the proportion of separations with procedures, with 82.5% for males (2,835,398) and 80.7% for females (3,125,529) (Tables 10.18 and 10.19). Apart from the sex-specific procedures such as *Caesarean section* (Block 1340) and *Postpartum suture* (Block 1344), many of the top 30 procedures were common to both sexes. For both males and females, the group of procedures with the most separations was *Cerebral anaesthesia* (Block 1910), with the most separations for this group of procedures in the 55–64 years age group for both males and females.

For males and female, the highest number of separations with procedures was reported for the 65–74 years age group and the 55–64 years age group respectively, with 544,772 (19.2%) separations for males and 464,722 (14.9%) separations for females (Tables 10.18 and 10.19).

Aboriginal and Torres Strait Islander people

Table 10.20 contains a comparison between patients identified as Aboriginal and Torres Strait Islander and patients not so identified for each of the ICD-10-AM procedure chapters, including information on procedures per 1,000 population. These data are presented for Queensland, Western Australia, South Australia and public hospitals in the Northern Territory (see Chapter 8 for more information) and may not be representative of data for the other jurisdictions.

Procedures on urinary system (Blocks 1040–1128) was the most frequently reported procedure chapter for Indigenous patients (89,047). For *Haemodialysis* (Block 1060), the number of procedures per 1,000 population for persons identified as Indigenous was about 16.1 times that for other persons. For *Procedures on respiratory system* (Blocks 520–569), the rate for persons identified as Indigenous was 2.1 times that for other persons and for *Procedures on cardiovascular system* (Blocks 600–767) the rate was 1.5 times. Some chapters for which the rate for Indigenous persons was less than that for other persons included *Procedures on nervous system* (Blocks 1–86), *Procedures on nose, mouth and pharynx* (Blocks 370–422), *Procedures on male genital organs* (Blocks 1160–1203), *Dental services* (Blocks 450–490) and *Procedures on breast* (Blocks 1740–1759).

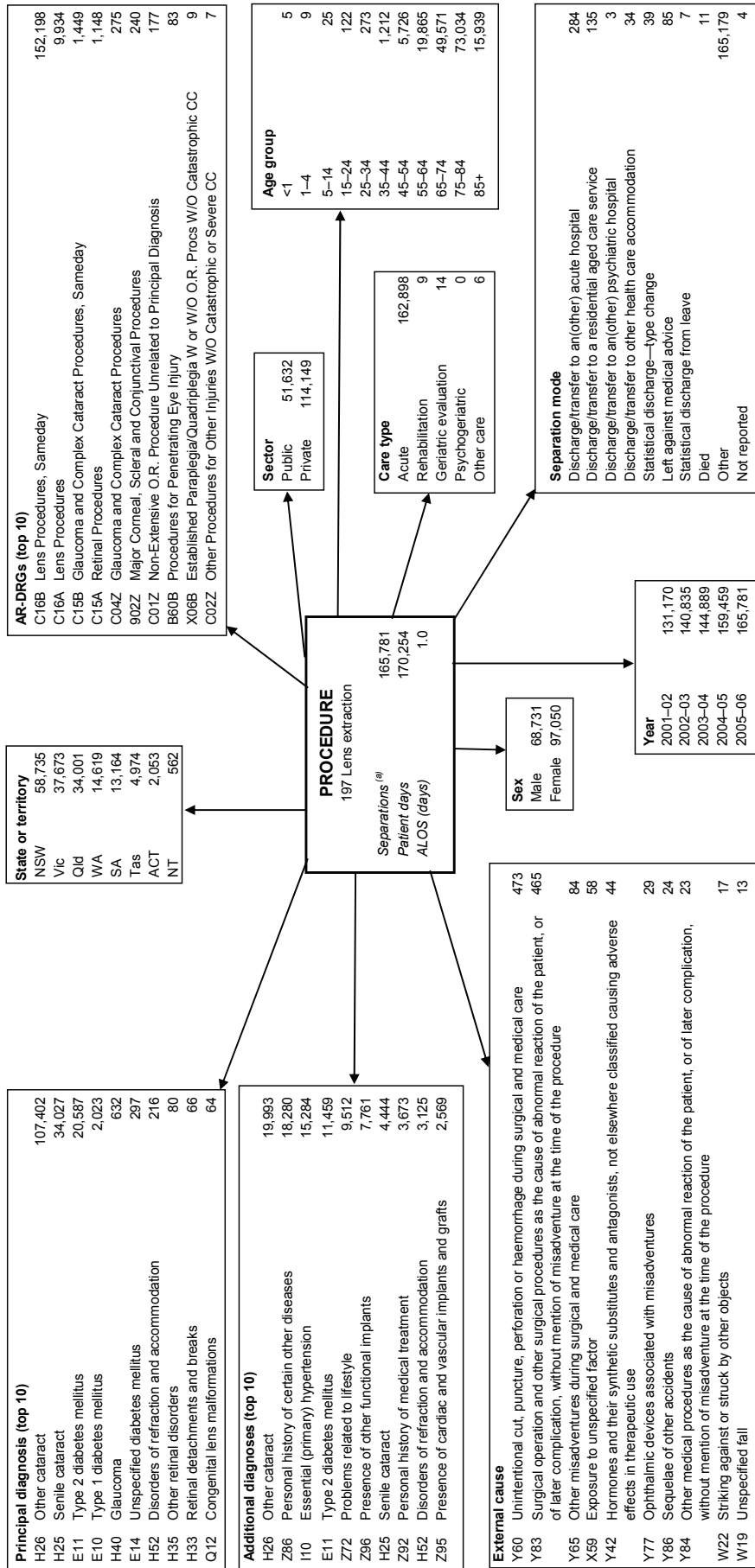
Although the overall rate of procedures per 1,000 population was higher for Indigenous persons, Figure 10.2 shows that the proportion of separations with a procedure by ICD-10-AM diagnosis chapter was lower for Indigenous patients than for other patients for all but one of the diagnosis chapters. For example, for *Diseases of the nervous system* (G00–G99), 39.7% of separations for Indigenous patients had a procedure reported, compared with 81.1% of separations for other patients. *Factors influencing health status and contact with health services* (Z00–Z99) was the only chapter for which the proportion of separations with

procedures was higher for Indigenous patients. These differences may reflect differences in the pattern of principal diagnoses reported within chapters.

Additional data

Information on the number of procedures reported per separation can be found in Appendix 1 of this report. The accompanying tables on the Internet at <www.aihw.gov.au> provide information on the number of separations by 5-year age group and ICD-10-AM procedure block for males and females. There are also national summary statistics for public and private hospitals for each procedure block, and for overnight and same-day separations (as presented for the top 30 procedure blocks in Tables 10.9 to 10.12).

For access to more procedure data, the AIHW's website also contains an Interactive National Hospital Morbidity Data page which contains links to a number of data cubes containing information on the procedures performed on patients admitted to Australian hospitals. Data in the form of counts of procedures are available on all procedures performed by age group, sex and same-day status. Procedure information is available at the broader ICD-10-AM chapter level through to the more specific seven-digit procedure code level. The source of these data is the National Hospital Morbidity Database.



(a) Selected statistics for separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Postnursing organ procurement* have been excluded. Abbreviations: ALOS—average length of stay, Proc—procedure; W—with; W/O—without; CC—complication or comorbidity O.R.—operating room.

Figure 10.1: Interrelationships of a procedure (Block 197 Lens extraction) with other data elements, all hospitals, Australia, 2005-06

Table 10.1: Separation^(a) and procedure statistics, by procedure in ICD-10-AM chapters, public hospitals, Australia, 2005–06

Procedure chapters	Separations			Separations per 10,000		Patient days per 10,000 population ^(b)	ALOS (days)	ALOS (days) excluding same-day
	Separations	Same day separations	Public patient separations	per 10,000	Patient days			
1–86	67,808	26,749	55,799	33.2	451,440	220.7	6.7	10.3
110–129	6,237	200	5,489	3.0	28,790	14.1	4.6	4.7
160–256	75,454	63,891	59,012	36.9	112,056	54.8	1.5	4.2
300–333	24,585	16,055	21,145	12.0	48,438	23.7	2.0	3.8
370–422	50,324	14,713	42,583	24.6	106,705	52.2	2.1	2.6
450–490	30,258	24,931	23,176	14.8	96,381	47.1	3.2	13.4
520–569	81,077	16,983	66,590	39.6	1,071,124	523.7	13.2	16.4
600–767	185,906	49,427	154,368	90.9	1,716,676	839.4	9.2	12.2
800–817	29,246	10,266	24,208	14.3	224,262	109.7	7.7	11.3
850–1011	387,497	200,089	334,393	189.5	1,596,954	780.8	4.1	7.5
1040–1129	850,545	783,604	754,432	415.9	1,395,820	682.5	1.6	9.1
1160–1203	37,433	20,237	31,925	18.3	94,576	46.2	2.5	4.3
1240–1299	137,181	88,811	119,963	67.1	263,754	129.0	1.9	3.6
1330–1347	174,859	8,969	160,189	85.5	627,540	306.8	3.6	3.7
1360–1579	225,861	68,386	186,238	110.4	1,240,733	606.6	5.5	7.4
1600–1718	173,159	82,985	146,575	84.7	961,180	470.0	5.6	9.7
1740–1759	19,221	8,625	17,095	9.4	49,074	24.0	2.6	3.8
1786–1799	9,033	1,220	6,749	4.4	92,375	45.2	10.2	11.7
1820–1922	2,151,057	860,952	1,812,536	1,051.7	11,864,940	5,801.3	5.5	8.5
1940–2016	423,181	65,824	342,450	206.9	3,874,923	1,894.6	9.2	10.7
Procedures reported ^(c)	3,327,810	1,796,018	2,852,979	1,646.6	13,624,315	6,741.4	4.1	7.7
No procedure or not reported	1,138,286	419,728	1,014,755	563.2	3,368,711	1,666.9	3.0	4.1
Total^(c)	4,466,076	2,215,746	3,867,734	2,183.7	16,993,026	8,308.6	3.8	6.6

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Crude rate based on Australian population as at 31 December 2005.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table. ALOS—average length of stay.

Table 10.2: Separation^(a) and procedure statistics, by procedure in ICD-10-AM chapters, private hospitals, Australia, 2005-06

Procedure chapters	Separations		Same day separations		Public patient separations		Separations per 10,000 population ^(b)		Patient days per 10,000 population ^(b)		ALOS (days)	
	Separations	Public patient separations	Separations	Public patient separations	Separations per 10,000 population ^(b)	Patient days per 10,000 population ^(b)	Separations per 10,000 population ^(b)	Patient days per 10,000 population ^(b)	ALOS (days)	ALOS (days) excluding same-day		
1-86	75,881	798	39,774	798	37.1	263,967	129.1	263,967	3.5	6.2		
110-129	6,138	84	83	84	3.0	19,116	9.3	19,116	3.1	3.1		
160-256	152,202	2,896	139,051	2,896	74.4	157,621	77.1	157,621	1.0	1.4		
300-333	25,865	371	18,603	371	12.6	30,944	15.1	30,944	1.2	1.7		
370-422	62,595	861	21,915	861	30.6	80,477	39.3	80,477	1.3	1.4		
450-490	92,547	149	88,624	149	45.3	97,924	47.9	97,924	1.1	2.4		
520-569	25,346	573	6,734	573	12.4	210,529	102.9	210,529	8.3	10.9		
600-767	138,825	4,007	48,533	4,007	67.9	653,030	319.3	653,030	4.7	6.7		
800-817	19,600	221	5,647	221	9.6	97,953	47.9	97,953	5.0	6.6		
850-1011	599,078	7,112	465,254	7,112	292.9	1,095,576	535.7	1,095,576	1.8	4.7		
1040-1129	259,988	45,757	212,440	45,757	127.1	458,595	224.2	458,595	1.8	5.2		
1160-1203	57,809	1,013	33,456	1,013	28.3	131,191	64.1	131,191	2.3	4.0		
1240-1299	184,310	2,236	143,330	2,236	90.1	295,825	144.6	295,825	1.6	3.7		
1330-1347	77,068	2,011	1,034	2,011	37.7	374,029	182.9	374,029	4.9	4.9		
1360-1579	258,611	3,262	108,352	3,262	126.4	842,270	411.8	842,270	3.3	4.9		
1600-1718	169,315	2,571	121,125	2,571	82.8	354,628	173.4	354,628	2.1	4.8		
1740-1759	33,245	456	13,871	456	16.3	65,951	32.2	65,951	2.0	2.7		
1786-1799	3,029	84	476	84	1.5	28,504	13.9	28,504	9.4	11.0		
1820-1922	2,185,465	39,566	1,391,776	39,566	1068.6	5,924,908	2896.9	5,924,908	2.7	5.7		
1940-2016	128,584	3,907	29,116	3,907	62.9	1,009,988	493.8	1,009,988	7.9	9.9		
Procedures reported ^(c)	2,633,176	88,932	1,749,432	88,932	1302.9	6,633,559	3282.3	6,633,559	2.5	5.5		
No procedure or not reported	212,731	11,160	78,002	11,160	105.3	704,068	348.4	704,068	3.3	4.6		
Total^(c)	2,845,907	100,092	1,827,434	100,092	1,391.5	7,337,627	3,587.7	7,337,627	2.6	5.4		

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Crude rate based on Australian population as at 31 December 2005.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

ALOS—average length of stay.

Table 10.3: Separations^(a), by procedure in ICD-10-AM chapters, public hospitals, states and territories, 2005–06

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	20,929	19,697	10,233	7,606	6,040	1,603	1,005	695	67,808
Procedures on nervous system									
110–129	2,313	1,766	1,031	445	427	119	101	35	6,237
Procedures on endocrine system									
160–256	25,954	23,034	9,500	7,764	6,573	786	1,242	601	75,454
Procedures on eye and adnexa									
300–333	5,320	7,125	6,385	2,343	2,474	289	310	339	24,585
Procedures on ear and mastoid process									
370–422	13,347	16,748	9,257	4,349	4,818	650	714	441	50,324
Procedures on nose, mouth and pharynx									
450–490	7,469	9,880	6,003	3,163	2,508	571	246	418	30,258
Dental services									
520–569	26,139	21,421	15,171	7,248	6,711	1,881	1,391	1,115	81,077
Procedures on respiratory system									
600–767	57,137	53,129	31,647	17,157	15,182	5,157	4,445	2,052	185,906
Procedures on cardiovascular system									
800–817	8,572	8,814	5,142	3,013	2,140	580	770	215	29,246
Procedures on blood and blood-forming organs									
850–1011	129,217	110,536	54,431	40,166	36,077	7,806	5,345	3,919	387,497
Procedures on digestive system									
1040–1129	253,418	249,629	129,694	82,642	63,567	14,898	19,831	36,866	850,545
Procedures on urinary system									
1160–1203	11,010	12,632	4,664	3,867	3,593	865	412	390	37,433
Procedures on male genital organs									
1240–1299	39,700	42,114	23,759	10,932	14,525	2,411	1,594	2,146	137,181
Gynaecological procedures									
1330–1347	59,041	42,255	35,422	17,353	12,037	3,603	2,852	2,296	174,859
Obstetric procedures									
1360–1579	74,349	60,175	37,949	22,530	17,706	5,557	4,519	3,076	225,861
Procedures on musculoskeletal system									
1600–1718	47,533	46,865	36,732	17,050	15,745	3,557	2,222	3,455	173,159
Dermatological and plastic procedures									
1740–1759	5,746	5,645	2,986	2,532	1,504	392	229	187	19,221
Procedures on breast									
1786–1799	2,921	2,682	1,596	759	689	229	157	0	9,033
Radiation oncology procedures									
1820–1922	679,735	643,502	324,604	207,525	194,400	46,200	33,379	21,712	2,151,057
Non-invasive, cognitive and other interventions, not elsewhere classified									
1940–2016	169,259	112,589	58,302	31,416	30,013	9,674	7,368	4,560	423,181
Imaging services									
Procedures reported ^(b)	1,023,864	982,905	525,830	319,319	285,158	69,210	58,833	62,691	3,327,810
No procedure or not reported	396,599	289,939	224,487	75,641	92,509	25,094	13,303	20,694	1,138,266
Total^(b)	1,420,463	1,272,844	750,317	394,960	377,667	94,304	72,136	83,385	4,466,076

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

Table 10.4: Separations^(a), by procedure in ICD-10-AM chapters, private hospitals, states and territories, 2005–06

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	18,645	18,842	14,493	12,872	8,067	n.p.	n.p.	n.p.	75,881
Procedures on nervous system									
110–129	2,228	1,270	1,424	636	386	n.p.	n.p.	n.p.	6,138
Procedures on endocrine system									
160–256	52,588	30,576	37,065	13,336	11,388	n.p.	n.p.	n.p.	152,202
Procedures on eye and adnexa									
300–333	7,784	5,100	4,990	3,517	3,314	n.p.	n.p.	n.p.	25,865
Procedures on ear and mastoid process									
370–422	20,496	12,644	12,512	7,457	6,746	n.p.	n.p.	n.p.	62,595
Procedures on nose, mouth and pharynx									
450–490	25,782	24,556	17,796	13,181	7,808	n.p.	n.p.	n.p.	92,547
Dental services									
520–569	6,324	5,520	7,192	2,392	3,124	n.p.	n.p.	n.p.	25,346
Procedures on respiratory system									
600–767	37,231	39,393	34,371	11,793	10,045	n.p.	n.p.	n.p.	138,825
Procedures on cardiovascular system									
800–817	4,689	4,400	6,117	1,903	1,632	n.p.	n.p.	n.p.	19,600
Procedures on blood and blood-forming organs									
850–1011	177,759	163,874	145,224	54,735	38,484	n.p.	n.p.	n.p.	599,078
Procedures on digestive system									
1040–1129	55,489	49,102	77,729	46,180	25,746	n.p.	n.p.	n.p.	259,988
Procedures on urinary system									
1160–1203	19,361	13,614	11,089	6,411	4,465	n.p.	n.p.	n.p.	57,809
Procedures on male genital organs									
1240–1299	55,937	48,982	45,935	15,048	10,320	n.p.	n.p.	n.p.	184,310
Gynaecological procedures									
1330–1347	21,097	19,051	16,948	10,938	4,834	n.p.	n.p.	n.p.	77,068
Obstetric procedures									
1360–1579	72,769	64,441	50,854	32,114	25,473	n.p.	n.p.	n.p.	258,611
Procedures on musculoskeletal system									
1600–1718	47,282	37,479	42,083	17,647	18,091	n.p.	n.p.	n.p.	169,315
Dermatological and plastic procedures									
1740–1759	8,943	7,564	7,985	4,362	2,759	n.p.	n.p.	n.p.	33,245
Procedures on breast									
1786–1799	753	819	855	123	412	n.p.	n.p.	n.p.	3,029
Radiation oncology procedures									
1820–1922									
Non-invasive, cognitive and other interventions, not elsewhere classified									
1940–2016	646,010	528,104	543,278	222,098	163,602	n.p.	n.p.	n.p.	2,185,465
Imaging services									
Procedure reported ^(b)	29,129	34,580	35,033	16,238	9,410	n.p.	n.p.	n.p.	128,584
No procedure or not reported	737,632	645,333	655,005	293,814	205,212	n.p.	n.p.	n.p.	2,633,176
	28,267	74,648	56,526	25,579	14,985	n.p.	n.p.	n.p.	212,731
Total^(b)	765,899	719,981	711,531	319,393	220,197	n.p.	n.p.	n.p.	2,845,907

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.
n.p. Not published.

Table 10.5: Separations^{(a)(b)} for selected procedures^(c), by hospital sector, Australia, 2001-02 to 2005-06

Procedure	Private hospitals										Public hospitals				
	2001-01	2002-03	2003-04	2004-05	2005-06	Change 2001-02 to 2005-06		2001-01	2002-03	2003-04	2004-05	2005-06	Change 2001-02 to 2005-06		
Caesarean section	24,504	27,348	28,486	30,202	31,920	7,416	39,838	41,914	44,807	47,469	50,790	10,952			
Cholecystectomy	21,337	21,257	20,996	20,936	20,593	-744	24,582	24,627	25,322	25,753	26,153	1,571			
Coronary artery bypass graft	7,173	6,767	6,588	6,058	5,811	-1,362	9,102	9,141	8,885	8,470	8,411	-691			
Coronary angioplasty	11,636	13,943	15,674	15,928	16,371	4,735	12,183	13,598	15,530	17,401	18,334	6,151			
Hip replacement	14,229	15,003	15,660	15,385	15,117	888	11,821	12,274	12,818	13,145	13,477	1,656			
Revision of hip replacement	1,983	1,986	2,111	2,114	2,092	109	1,282	1,284	1,404	1,375	1,382	100			
Hysterectomy, aged 15-69	17,303	16,262	15,587	15,281	14,722	-2,581	14,163	13,483	13,624	13,213	12,907	-1,256			
Knee replacement	16,350	17,579	18,812	19,944	20,510	4,160	8,361	8,851	9,476	10,457	11,865	3,504			
Lens insertion	98,522	105,660	109,324	118,379	121,372	22,850	43,387	46,379	47,001	51,642	54,241	10,854			
Myringotomy	18,193	17,922	17,855	18,129	17,548	-645	15,076	14,691	14,122	13,807	12,920	-2,156			
Prostatectomy	14,601	15,020	16,225	17,685	18,519	3,918	9,483	9,214	9,359	9,880	10,163	680			
Tonsillectomy	18,153	17,661	17,430	18,129	19,138	985	15,713	15,428	15,163	15,537	16,162	449			

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Excludes multiple procedures for the same separation within the same group.

(c) The procedures are defined using ICD-10-AM codes. See Appendix 1.

Table 10.6: Separations^{(a)(b)} for selected procedures^(c), by patient election status, Australia, 2001-02 to 2005-06

Procedure	Private patients										Public patients		
											Change		
	2001-02	2002-03	2003-04	2004-05	2005-06	2001-02 to 2005-06	2001-02	2002-03	2003-04	2004-05	2005-06	2001-02 to 2005-06	
Caesarean section	28,195	31,010	32,676	34,422	36,503	8,308	35,799	37,935	40,519	42,996	45,966	10,167	
Cholecystectomy	22,471	22,567	22,762	22,741	22,627	156	23,181	23,129	23,545	23,924	24,107	926	
Coronary artery bypass graft	8,430	8,023	7,696	7,169	6,853	-1,577	7,825	7,874	7,759	7,347	7,355	-470	
Coronary angioplasty	13,405	16,041	18,356	18,771	19,062	5,657	10,230	11,343	12,833	14,529	15,629	5,399	
Hip replacement	15,388	16,450	17,546	17,270	17,054	1,666	10,394	10,740	10,927	11,249	11,535	1,141	
Revision of hip replacement	2,118	2,153	2,308	2,311	2,267	149	1,282	1,284	1,404	1,375	1,382	100	
Hysterectomy, aged 15-69	18,405	17,411	17,140	16,619	16,049	-2,356	12,815	12,196	12,066	11,864	11,574	-1,241	
Knee replacement	16,415	17,834	19,465	20,545	20,987	4,572	8,091	8,542	8,822	9,852	11,387	3,296	
Lens insertion	103,582	111,885	116,916	125,353	129,679	26,097	36,382	39,389	39,377	43,999	45,626	9,244	
Myringotomy	20,000	20,024	19,966	20,316	19,431	-569	13,023	12,488	12,002	11,613	11,023	-2,000	
Prostatectomy	15,214	15,728	17,179	18,668	19,563	4,349	8,641	8,404	8,399	8,895	9,111	470	
Tonsillectomy	19,910	19,592	19,650	20,528	21,567	1,657	13,843	13,449	12,942	13,126	13,730	-113	

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Excludes multiple procedures for the same separation within the same group.

(c) The procedures are defined using ICD-10-AMI codes. See Appendix 1.

Table 10.7. Number of procedures^{(a)(b)}, by ICD-10-AM chapter, public hospitals, states and territories, 2005-06

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1-86	26,103	24,657	13,757	10,072	6,736	2,120	1,292	771	85,508
110-129	2,542	1,873	1,136	521	442	129	110	37	6,790
160-256	29,953	26,507	11,219	9,245	7,521	924	1,350	717	87,436
300-333	6,294	8,221	7,221	2,706	2,811	345	365	391	28,354
370-422	19,879	25,304	12,172	6,267	7,520	904	1,122	567	73,735
450-490	42,392	38,866	37,033	16,089	12,672	3,307	1,183	2,058	153,606
520-569	46,256	38,923	26,827	13,261	11,667	3,169	2,455	2,134	144,692
600-767	98,165	88,528	53,361	29,457	23,776	9,732	7,370	3,111	313,500
800-817	9,172	9,185	5,477	3,256	2,267	603	806	225	30,991
850-1011	182,541	145,320	73,176	53,380	48,275	10,341	7,531	5,206	525,770
1040-1129	267,707	257,583	135,096	86,651	66,449	15,571	20,539	37,168	886,764
1160-1203	11,847	13,527	5,039	4,233	3,793	918	472	418	40,247
1240-1299	63,235	68,225	36,584	18,545	20,811	3,353	2,597	2,676	216,026
1330-1347	105,950	77,679	68,359	38,059	23,260	6,540	5,330	3,645	328,822
1360-1579	96,887	87,307	52,425	32,424	23,167	7,715	6,151	4,530	310,606
1600-1718	70,998	70,955	58,485	26,702	25,271	5,761	3,288	5,499	266,959
1740-1759	7,455	7,079	3,954	3,822	1,866	499	264	223	25,162
1786-1799	3,459	3,548	1,676	1,046	1,204	253	164	0	11,350
1820-1922	1,270,093	1,126,871	552,662	355,890	308,867	79,241	60,381	33,279	3,787,284
1940-2016	237,181	154,528	77,697	41,509	38,569	13,158	9,801	5,826	578,269
Total procedures	2,598,109	2,274,686	1,233,356	753,135	636,944	164,583	132,571	108,481	7,901,865

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) This is a count of ICD-10-AM procedure codes. It is possible that a single procedure code may represent multiple procedures or that a specific procedure may require the reporting of more than one code. Therefore the number of procedure codes reported does not necessarily equal the number of separate procedures performed.

Table 10.8. Number of procedures^{(a)(b)}, by ICD-10-AM chapter, private hospitals, states and territories, 2005–06

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	27,391	30,096	23,085	24,462	10,616	n.p.	n.p.	n.p.	120,094
110–129	2,517	1,363	1,558	688	428	n.p.	n.p.	n.p.	6,758
160–256	62,107	34,039	44,951	16,025	13,508	n.p.	n.p.	n.p.	178,816
300–333	9,155	5,657	5,732	3,993	3,730	n.p.	n.p.	n.p.	29,566
370–422	39,485	21,762	23,932	14,043	15,098	n.p.	n.p.	n.p.	119,640
450–490	92,639	79,675	70,788	62,745	34,562	n.p.	n.p.	n.p.	355,037
520–569	9,120	8,660	11,353	3,587	4,875	n.p.	n.p.	n.p.	38,743
600–767	70,790	69,730	62,980	20,289	18,042	n.p.	n.p.	n.p.	250,775
800–817	5,116	4,596	6,464	2,061	1,732	n.p.	n.p.	n.p.	20,867
850–1011	246,864	206,961	191,943	73,325	51,326	n.p.	n.p.	n.p.	795,493
1040–1129	71,976	55,454	86,539	50,474	28,623	n.p.	n.p.	n.p.	300,920
1160–1203	20,406	14,152	11,843	6,785	4,724	n.p.	n.p.	n.p.	60,977
1240–1299	85,039	73,685	65,040	23,713	17,378	n.p.	n.p.	n.p.	277,143
1330–1347	43,088	37,371	32,904	24,911	10,011	n.p.	n.p.	n.p.	155,741
1360–1579	104,858	98,343	70,940	46,931	38,383	n.p.	n.p.	n.p.	377,560
1600–1718	89,492	74,019	89,467	33,784	36,475	n.p.	n.p.	n.p.	336,217
1740–1759	11,831	9,744	10,426	5,953	3,436	n.p.	n.p.	n.p.	43,326
1786–1799	898	854	1,156	130	721	n.p.	n.p.	n.p.	3,829
1820–1922	900,785	717,535	734,422	307,896	228,891	n.p.	n.p.	n.p.	2,994,729
1940–2016	36,813	44,647	45,477	20,588	11,616	n.p.	n.p.	n.p.	164,186
Total procedures	1,930,370	1,588,343	1,591,000	742,383	534,175	n.p.	n.p.	n.p.	6,630,417

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Postthumous organ procurement* have been excluded.

(b) This is a count of ICD-10-AM procedure codes. It is possible that a single procedure code may represent multiple procedures or that a specific procedure may require the reporting of more than one code. Therefore the number of procedure codes reported does not necessarily equal the number of separate procedures performed.

n.p. Not published.

Table 10.9: Separation^(a) and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of overnight separations, public hospitals, Australia, 2005–06

Procedure block	Separations	Public patient separations	Patient days	ALOS (days)	Total procedures reported
1916 Generalised allied health interventions	826,479	680,598	9,342,499	11.3	1,621,875
1910 Cerebral anaesthesia	570,198	481,017	3,674,337	6.4	645,986
1952 Computerised tomography of brain	134,482	105,677	1,534,429	11.4	137,794
1893 Transfusion of blood and gamma globulin	115,501	92,753	1,604,037	13.9	142,545
1909 Conduction anaesthesia	104,855	89,504	737,921	7.0	107,032
1920 Pharmacotherapy	77,042	64,785	1,042,647	13.5	99,905
1912 Postprocedural analgesia	65,687	55,010	556,530	8.5	67,477
1344 Postpartum suture	55,565	51,027	179,409	3.2	56,724
1963 Computerised tomography of abdomen and pelvis	55,135	44,453	617,943	11.2	56,406
1340 Caesarean section	50,620	45,281	257,202	5.1	50,642
738 Venous catheterisation	50,334	40,930	1,086,018	21.6	56,576
1334 Medical or surgical induction of labour	45,524	41,608	178,024	3.9	46,532
1335 Medical or surgical augmentation of labour	43,562	40,572	140,558	3.2	43,620
1333 Analgesia and anaesthesia during labour and delivery procedure	38,229	34,628	157,795	4.1	38,306
2015 Magnetic resonance imaging	37,436	29,387	552,675	14.8	41,169
1966 Other computerised tomography	33,016	26,535	413,063	12.5	34,700
668 Coronary angiography	32,801	26,871	220,130	6.7	33,141
569 Continuous ventilatory support	29,678	23,960	636,243	21.4	56,704
1962 Computerised tomography of abdomen	28,773	23,436	297,386	10.3	29,224
965 Cholecystectomy	25,574	23,018	107,132	4.2	25,609
1960 Computerised tomography of chest	23,413	18,574	346,357	14.8	23,831
1959 Computerised tomography of spine	21,534	13,541	229,546	10.7	23,248
607 Examination procedures on ventricle	21,043	17,261	132,016	6.3	21,118
926 Appendicectomy	20,995	18,023	84,546	4.0	21,091
1008 Panendoscopy with excision	19,533	16,524	191,939	9.8	19,857
1343 Other procedures associated with delivery	19,245	17,182	70,269	3.7	19,461
1566 Excision procedures on other musculoskeletal sites	19,179	14,106	248,394	13.0	25,929
986 Division of abdominal adhesions	18,498	15,917	175,233	9.5	18,744
1635 Repair of wound of skin and subcutaneous tissue	18,297	13,880	132,608	7.2	21,925
957 Examination of gallbladder or biliary tract	18,046	16,255	79,099	4.4	18,403
Other	1,362,476	1,129,571	14,255,333	10.5	1,459,113
No procedure or not reported	717,287	628,221	2,913,168	4.1	..
Total^(b)	2,250,330	1,915,901	14,777,280	6.6	5,064,687

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

.. Not applicable.

ALOS – average length of stay.

Note: A similar listing of all procedures in ICD-10-AM blocks is provided on the Internet at <www.aihw.gov.au>

Table 10.10: Separation^(a) and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of overnight separations, private hospitals, Australia, 2005–06

Procedure block	Separations	Public patient separations	Patient days	ALOS (days)	Total procedures reported
1910 Cerebral anaesthesia	529,338	8,046	2,177,607	4.1	562,635
1916 Generalised allied health interventions	320,696	7,824	3,100,984	9.7	469,678
1909 Conduction anaesthesia	106,624	1,500	614,388	5.8	108,713
1912 Postprocedural analgesia	57,636	1,353	385,448	6.7	59,562
1893 Transfusion of blood and gamma globulin	54,580	954	617,637	11.3	63,429
668 Coronary angiography	34,229	50	143,930	4.2	34,618
1340 Caesarean section	31,891	565	182,081	5.7	31,899
1828 Sleep study	31,291	3	35,737	1.1	31,574
607 Examination procedures on ventricle	28,189	48	113,161	4.0	28,249
1920 Pharmacotherapy	25,898	493	246,134	9.5	28,621
1333 Analgesia and anaesthesia during labour and delivery procedure	25,393	707	125,118	4.9	25,429
1334 Medical or surgical induction of labour	23,037	629	109,058	4.7	23,362
1344 Postpartum suture	22,129	399	96,771	4.4	22,324
990 Repair of inguinal hernia	20,371	294	32,664	1.6	20,432
965 Cholecystectomy	20,313	545	62,500	3.1	20,348
1952 Computerised tomography of brain	19,875	1,012	249,625	12.6	20,323
412 Tonsillectomy or adenoidectomy	18,424	247	19,755	1.1	18,440
1915 Other client support interventions	18,281	756	187,007	10.2	18,818
1518 Arthroplasty of knee	17,560	409	136,431	7.8	17,866
986 Division of abdominal adhesions	16,851	357	118,938	7.1	17,073
957 Examination of gallbladder or biliary tract	16,172	457	45,097	2.8	16,368
1620 Excision of lesion of skin and subcutaneous tissue	15,614	164	60,182	3.9	28,874
1335 Medical or surgical augmentation of labour	15,110	373	68,242	4.5	15,120
671 Transluminal coronary angioplasty with stenting	14,444	43	46,393	3.2	14,778
1489 Arthroplasty of hip	14,275	252	126,066	8.8	14,347
1963 Computerised tomography of abdomen and pelvis	13,994	442	153,829	11.0	14,292
738 Venous catheterisation	13,653	204	258,321	18.9	15,177
1089 Examination procedures on bladder	13,139	241	55,130	4.2	13,202
1165 Transurethral prostatectomy	13,037	268	56,561	4.3	13,063
1343 Other procedures associated with delivery	12,465	214	58,415	4.7	12,501
Other	985,616	17,730	6,329,776	6.4	1,072,619
No procedure or not reported	134,126	7,638	624,445	4.7	..
Total^(b)	1,018,473	26,314	5,510,193	5.4	2,853,734

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

.. Not applicable.

ALOS – average length of stay.

Note: A similar listing of all procedures in ICD-10-AM blocks is provided on the Internet at <www.aihw.gov.au.>

Table 10.11: Separation^(a) and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of same-day separations, public hospitals, Australia, 2005–06

Procedure block	Separations	Public patient separations	Separations per 10,000 population ^(b)	Total procedures reported
1060 Haemodialysis	726,414	645,954	355.2	726,582
1910 Cerebral anaesthesia	549,470	466,709	268.7	550,351
1920 Pharmacotherapy	157,820	137,221	77.2	159,928
1008 Panendoscopy with excision	59,214	51,617	29.0	59,579
905 Fiberoptic colonoscopy	58,333	50,661	28.5	58,367
1893 Transfusion of blood and gamma globulin	55,933	46,671	27.3	57,706
197 Extracapsular crystalline lens extraction by phacoemulsification	48,830	39,067	23.9	48,843
1909 Conduction anaesthesia	46,839	38,408	22.9	46,919
911 Fiberoptic colonoscopy with excision	44,552	39,147	21.8	46,367
1620 Excision of lesion of skin and subcutaneous tissue	43,732	38,765	21.4	65,024
1265 Curettage of uterus	33,206	29,640	16.2	33,227
1916 Generalised allied health interventions	31,835	28,268	15.6	38,480
1089 Examination procedures on bladder	26,980	24,220	13.2	26,985
1259 Examination procedures on uterus	24,279	21,577	11.9	24,298
1952 Computerised tomography of brain	23,946	21,212	11.7	23,994
1267 Evacuation of gravid uterus	23,549	20,245	11.5	23,852
1005 Panendoscopy	20,780	17,759	10.2	20,802
1921 Loading of drug delivery device	19,347	16,734	9.5	19,869
668 Coronary angiography	13,581	11,232	6.6	13,592
766 Vascular infusion device and pump	12,678	11,441	6.2	12,740
1635 Repair of wound of skin and subcutaneous tissue	12,475	10,830	6.1	13,653
458 Surgical removal of tooth	12,091	7,344	5.9	39,019
457 Nonsurgical removal of tooth	11,817	10,190	5.8	44,735
1907 Electroconvulsive therapy	11,371	10,971	5.6	11,372
1890 Therapeutic interventions on cardiovascular system	10,934	9,459	5.3	11,052
607 Examination procedures on ventricle	10,860	8,992	5.3	10,873
1888 Hyperbaric oxygen therapy	10,716	6,912	5.2	10,716
1275 Destruction procedures on cervix	10,602	9,591	5.2	11,154
76 Release of carpal and tarsal tunnel	10,525	9,469	5.1	10,899
1554 Other application, insertion or removal procedures on other musculoskeletal sites	10,341	8,802	5.1	10,935
Other	541,531	463,675	264.8	605,269
No procedure or not reported	418,845	386,534	209.4	..
Total^(c)	2,215,746	1,951,833	1,108.0	2,837,182

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Crude rate based on the Australian estimated resident population as at 31 December 2005.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

.. Not applicable.

Note: A similar listing of all procedures in ICD-10-AM blocks is provided on the Internet at <www.aihw.gov.au.>

Table 10.12: Separation^(a) and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of same-day separations, private hospitals, Australia, 2005–06

Procedure block	Separations	Public patient separations	Separations per 10,000 population ^(b)	Total procedures reported
1910 Cerebral anaesthesia	1,054,399	12,367	515.5	1,055,209
905 Fiberoptic colonoscopy	167,554	1,404	81.9	167,617
1008 Panendoscopy with excision	165,208	1,381	80.8	166,506
1920 Pharmacotherapy	159,715	7,840	78.1	164,944
1060 Haemodialysis	149,452	41,642	73.1	149,455
911 Fiberoptic colonoscopy with excision	142,250	1,400	69.6	147,524
197 Extracapsular crystalline lens extraction by phacoemulsification	106,180	2,391	51.9	106,227
1620 Excision of lesion of skin and subcutaneous tissue	82,278	828	40.2	135,790
1909 Conduction anaesthesia	72,855	2,232	35.6	73,094
458 Surgical removal of tooth	71,004	105	34.7	220,156
1916 Generalised allied health interventions	62,953	95	30.8	76,845
1267 Evacuation of gravid uterus	45,307	230	22.2	45,353
1005 Panendoscopy	44,259	364	21.6	44,274
1297 Procedures for reproductive medicine	38,745	322	18.9	39,590
1089 Examination procedures on bladder	35,955	1,515	17.6	35,957
1265 Curettage of uterus	35,507	477	17.4	35,544
1890 Therapeutic interventions on cardiovascular system	31,424	63	15.4	31,442
1921 Loading of drug delivery device	31,093	526	15.2	35,879
1873 Psychological/psychosocial therapies	29,358	0	14.4	34,880
1259 Examination procedures on uterus	28,539	394	14.0	28,552
1517 Arthroscopic meniscectomy of knee with repair	26,786	308	13.1	27,359
1893 Transfusion of blood and gamma globulin	25,870	384	12.6	26,689
668 Coronary angiography	19,024	2,220	9.3	19,035
1651 Local skin flap, simple and small, single stage	18,960	111	9.3	21,228
766 Vascular infusion device and pump	17,404	277	8.5	17,765
941 Procedures for haemorrhoids	15,773	75	7.7	17,003
309 Myringotomy	15,378	227	7.5	15,500
607 Examination procedures on ventricle	15,252	1,197	7.5	15,253
76 Release of carpal and tarsal tunnel	14,779	227	7.2	16,171
457 Nonsurgical removal of tooth	14,369	58	7.0	35,504
Other	661,725	12,889	323.5	770,402
No procedure or not reported	77,499	3,522	38.8	..
Total^(c)	1,827,434	73,778	913.8	3,776,747

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Crude rate based on the Australian estimated resident population as at 31 December 2005.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

.. Not applicable.

Note: A similar listing of all procedures in ICD-10-AM blocks is provided on the Internet at <www.aihw.gov.au.>

Table 10.13: Separation^(a) and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of separations, private free-standing day hospitals, Australia, 2005-06

Procedure block	Separations	Same day separations	Public patient separations	Separations per 10,000 population ^(b)	Total procedures reported
1910 Cerebral anaesthesia	320,194	320,127	828	156.6	320,468
1008 Panendoscopy with excision	71,378	71,376	2	34.9	71,814
905 Fibreoptic colonoscopy	68,882	68,881	0	33.7	68,911
197 Extracapsular crystalline lens extraction by phacoemulsification	57,398	57,395	474	28.1	57,421
911 Fibreoptic colonoscopy with excision	55,633	55,633	1	27.2	57,359
1060 Haemodialysis	50,234	50,234	15,795	24.6	50,234
1920 Pharmacotherapy	39,250	39,250	340	19.2	43,777
1267 Evacuation of gravid uterus	35,743	35,741	13	17.5	35,762
1909 Conduction anaesthesia	32,208	32,208	974	15.7	32,312
1620 Excision of lesion of skin and subcutaneous tissue	31,798	31,798	290	15.5	51,013
1005 Panendoscopy	23,191	23,191	0	11.3	23,192
1890 Therapeutic interventions on cardiovascular system	21,038	21,038	3	10.3	21,044
1297 Procedures for reproductive medicine	18,192	18,191	320	8.9	18,928
458 Surgical removal of tooth	15,742	15,742	1	7.7	45,923
1893 Transfusion of blood and gamma globulin	8,415	8,415	0	4.1	8,858
1651 Local skin flap, simple and small, single stage	6,839	6,839	71	3.3	7,539
457 Nonsurgical removal of tooth	5,193	5,192	0	2.5	11,166
1888 Hyperbaric oxygen therapy	4,763	4,763	1,676	2.3	4,763
668 Coronary angiography	4,212	4,212	2,034	2.1	4,214
1884 Immunisation	4,060	4,060	0	2.0	4,062
1265 Curettage of uterus	3,911	3,911	9	1.9	3,923
941 Procedures for haemorrhoids	3,880	3,880	0	1.9	4,155
1649 Other full thickness skin graft	3,728	3,728	86	1.8	3,911
466 Tooth coloured adhesive restoration, direct	3,102	3,102	0	1.5	10,123
209 Application, insertion or removal procedures on retina, choroid or posterior chamber	3,040	3,040	0	1.5	3,047
1259 Examination procedures on uterus	2,888	2,888	17	1.4	2,890
1089 Examination procedures on bladder	2,810	2,810	0	1.4	2,811
862 Dilatation of oesophagus	2,704	2,704	0	1.3	2,704
1517 Arthroscopic meniscectomy of knee with repair	2,686	2,672	0	1.3	2,732
172 Other excision procedures on cornea	2,636	2,636	1	1.3	2,669
Other	n.p.	n.p.	n.p.	n.p.	n.p.
No procedure or not reported	n.p.	n.p.	n.p.	n.p.	n.p.
Total^(c)	n.p.	n.p.	n.p.	n.p.	n.p.

(a) Selected statistics for separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital/boarders* and *Posthumous organ procurement* have been excluded.

(b) Crude rate based on the Australian estimated resident population as at 31 December 2005.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

n.p. Not published. The data for the *Total*, *No procedure or not reported* and *Other* (procedures) have not been published because of confidentiality concerns.

.. Not applicable.

Table 10.14: Separations^(a) for the 30 ICD-10-AM procedure blocks with the highest number of separations, public hospitals, states and territories, 2005–06

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	367,962	326,157	167,739	104,507	99,580	23,477	17,699	12,547	1,119,668
1916 Generalised allied health interventions	312,551	226,082	128,458	82,091	70,227	17,372	14,269	7,264	858,314
1060 Haemodialysis	219,742	218,455	113,341	69,620	53,798	12,656	18,028	36,164	741,804
1920 Pharmacotherapy	39,914	92,964	36,275	28,854	24,739	5,876	4,177	2,063	234,862
1893 Transfusion of blood and gamma globulin	56,576	50,252	24,521	16,408	15,880	3,726	2,607	1,464	171,434
1952 Computerised tomography of brain	62,781	44,010	22,524	10,745	10,675	3,309	2,755	1,629	158,428
1909 Conduction anaesthesia	49,267	47,413	23,174	12,823	11,556	2,877	2,582	2,002	151,694
1008 Panendoscopy with excision	28,225	21,743	8,945	9,072	7,481	1,208	1,102	971	78,747
905 Fibreoptic colonoscopy	25,908	20,743	8,701	7,890	7,427	1,319	547	638	73,173
1912 Postprocedural analgesia	28,969	10,962	8,848	8,659	4,925	1,787	1,677	112	65,939
1963 Computerised tomography of abdomen and pelvis	26,456	18,271	7,613	2,472	4,014	1,482	572	753	61,633
1344 Postpartum suture	22,577	13,375	9,668	4,619	3,564	1,028	1,257	724	56,812
911 Fibreoptic colonoscopy with excision	20,837	14,719	6,043	7,362	5,269	898	791	610	56,529
738 Venous catheterisation	18,709	12,680	10,975	4,957	3,876	1,444	1,236	1,088	54,965
1620 Excision of lesion of skin and subcutaneous tissue	14,016	16,585	11,113	4,835	5,480	1,482	490	348	54,349
197 Extracapsular crystalline lens extraction by phacoemulsification	18,554	15,625	6,000	4,979	4,554	490	1,061	369	51,632
1340 Caesarean section	17,529	12,601	9,822	4,344	3,795	1,091	795	813	50,790
1334 Medical or surgical induction of labour	15,676	11,853	8,598	4,600	3,772	1,120	615	566	46,800
668 Coronary angiography	15,462	11,864	6,677	5,370	4,173	1,320	1,169	347	46,382
1335 Medical or surgical augmentation of labour	16,326	10,446	9,254	3,249	2,968	941	900	612	44,696
2015 Magnetic resonance imaging	16,070	11,510	5,496	3,356	3,240	874	703	333	41,582
1333 Analgesia and anaesthesia during labour and delivery procedure	12,810	8,802	6,930	4,584	3,596	780	683	285	38,470
1265 Curettage of uterus	12,741	13,067	5,311	3,259	2,578	358	517	288	38,119
1966 Other computerised tomography	14,638	8,440	5,677	3,005	2,853	969	844	453	36,879
1089 Examination procedures on bladder	8,801	11,996	5,147	4,610	3,884	802	487	113	35,840
1005 Panendoscopy	10,384	11,566	5,100	3,296	4,141	747	217	281	35,732
1962 Computerised tomography of abdomen	13,873	6,142	4,861	3,651	2,263	375	1,148	425	32,738
569 Continuous ventilatory support	10,711	8,593	5,864	2,695	2,644	681	626	597	32,411
607 Examination procedures on ventricle	8,763	9,351	4,716	4,386	2,459	912	1,019	297	31,903
1635 Repair of wound of skin and subcutaneous tissue	8,134	6,949	9,340	3,230	1,486	378	554	701	30,772
Other	680,295	598,771	359,335	204,371	177,914	48,143	32,819	22,586	2,124,234
No procedure or not reported	396,599	289,939	224,487	75,641	92,509	25,094	13,303	20,694	1,138,266
Total^(b)	1,420,463	1,272,844	750,317	394,960	377,667	94,304	72,136	83,385	4,466,076

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Postinimum organ procurement* have been excluded.

(b) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

Table 10.15: Separations^(a) for the 30 ICD-10-AM procedure blocks with the highest number of separations, private hospitals, states and territories, 2005–06

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	483,175	385,568	371,868	158,904	119,857	n.p.	n.p.	n.p.	1,583,737
1916 Generalised allied health interventions	122,056	96,407	83,804	33,789	36,737	n.p.	n.p.	n.p.	383,649
1920 Pharmacotherapy	34,652	49,243	57,387	23,107	13,580	n.p.	n.p.	n.p.	185,613
905 Fibreoptic colonoscopy	57,852	51,472	40,983	12,453	11,552	n.p.	n.p.	n.p.	179,583
1909 Conduction anaesthesia	61,615	44,759	38,040	15,911	12,057	n.p.	n.p.	n.p.	179,479
1008 Panendoscopy with excision	57,093	45,328	45,252	15,763	9,084	n.p.	n.p.	n.p.	176,961
911 Fibreoptic colonoscopy with excision	49,104	36,463	37,638	17,617	7,771	n.p.	n.p.	n.p.	152,540
1060 Haemodialysis	22,150	26,645	51,343	33,249	17,624	n.p.	n.p.	n.p.	151,043
1917 Extracapsular crystalline lens extraction by phacoemulsification	40,181	22,048	28,001	9,640	8,610	n.p.	n.p.	n.p.	114,149
1620 Excision of lesion of skin and subcutaneous tissue	27,495	20,530	26,053	9,405	10,351	n.p.	n.p.	n.p.	97,892
1893 Transfusion of blood and gamma globulin	15,539	20,771	25,273	8,500	7,412	n.p.	n.p.	n.p.	80,450
458 Surgical removal of tooth	21,732	18,696	15,410	10,163	5,857	n.p.	n.p.	n.p.	74,359
1912 Postprocedural analgesia	18,800	7,974	13,094	10,641	5,785	n.p.	n.p.	n.p.	57,870
668 Coronary angiography	18,050	13,141	12,439	3,817	3,669	n.p.	n.p.	n.p.	53,253
1005 Panendoscopy	11,253	20,975	10,767	2,673	4,536	n.p.	n.p.	n.p.	51,087
1089 Examination procedures on bladder	13,718	10,491	11,838	6,736	3,692	n.p.	n.p.	n.p.	49,094
1267 Evacuation of gravid uterus	10,077	16,332	15,025	3,824	754	n.p.	n.p.	n.p.	46,566
607 Examination procedures on ventricle	12,793	11,262	11,011	3,584	3,154	n.p.	n.p.	n.p.	43,441
1265 Curettage of uterus	12,881	11,615	8,028	3,641	2,521	n.p.	n.p.	n.p.	40,596
1297 Procedures for reproductive medicine	15,611	8,604	8,772	1,281	1,991	n.p.	n.p.	n.p.	38,797
1873 Psychological/psychosocial therapies	18,134	4,043	11,862	4,067	225	n.p.	n.p.	n.p.	38,407
1921 Loading of drug delivery device	3,863	10,476	10,440	4,537	3,999	n.p.	n.p.	n.p.	34,363
1890 Therapeutic interventions on cardiovascular system	1,868	5,712	23,147	1,604	1,383	n.p.	n.p.	n.p.	34,022
1517 Arthroscopic meniscectomy of knee with repair	8,648	7,420	6,181	3,873	4,854	n.p.	n.p.	n.p.	32,804
1259 Examination procedures on uterus	9,297	9,123	6,862	3,026	2,567	n.p.	n.p.	n.p.	32,492
1340 Caesarean section	8,130	7,380	7,938	4,802	2,069	n.p.	n.p.	n.p.	31,920
1828 Sleep study	9,521	8,808	7,444	1,421	2,978	n.p.	n.p.	n.p.	31,371
1333 Analgesia and anaesthesia during labour and delivery procedure	7,693	5,646	4,855	4,280	2,114	n.p.	n.p.	n.p.	25,431
990 Repair of inguinal hernia	8,037	5,678	5,513	2,620	1,861	n.p.	n.p.	n.p.	24,931
412 Tonsillectomy or adenoidectomy	8,523	4,268	5,437	2,733	2,106	n.p.	n.p.	n.p.	24,148
Other	556,324	435,339	437,287	227,471	164,421	n.p.	n.p.	n.p.	1,899,432
No procedure or not reported	28,267	74,648	56,526	25,579	14,985	n.p.	n.p.	n.p.	212,731
Total^(b)	765,899	719,981	711,531	319,393	220,197	n.p.	n.p.	n.p.	2,845,907

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

n.p. Not published.

Table 10.16: Average length of stay^(a) (days) for the 30 ICD-10-AM procedure blocks with the highest number of separations, public hospitals, states and territories, 2005–06

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	4.1	3.3	4.0	3.6	3.7	4.3	4.1	4.7	3.8
1916 Generalised allied health interventions	11.1	10.6	11.2	10.6	11.0	11.1	10.0	12.5	10.9
1060 Haemodialysis	1.3	1.2	1.2	1.3	1.2	1.3	1.2	1.3	1.2
1920 Pharmacotherapy	8.4	4.0	6.1	4.0	3.4	5.3	6.0	6.8	5.1
1893 Transfusion of blood and gamma globulin	10.9	8.5	10.0	9.2	8.7	9.7	11.0	14.0	9.7
1952 Computerised tomography of brain	10.1	8.3	9.8	11.7	12.6	10.5	9.1	9.9	9.8
1909 Conduction anaesthesia	5.1	4.7	5.3	6.5	5.0	7.2	4.6	6.9	5.2
1008 Panendoscopy with excision	3.6	2.6	3.9	2.5	3.0	4.3	4.4	4.9	3.2
905 Fiberoptic colonoscopy	2.6	2.3	2.7	2.2	2.7	2.4	3.5	3.0	2.5
1912 Postprocedural analgesia	8.3	8.8	8.4	7.4	10.1	10.1	8.0	12.4	8.4
1963 Computerised tomography of abdomen and pelvis	10.3	9.3	9.6	12.2	12.4	9.9	9.0	10.7	10.1
1344 Postpartum suture	3.3	3.1	2.8	3.5	3.3	3.4	2.9	3.6	3.2
911 Fiberoptic colonoscopy with excision	2.9	2.4	3.3	2.1	2.7	3.2	3.3	2.6	2.7
738 Venous catheterisation	20.5	20.2	18.5	19.8	20.9	16.8	18.6	20.6	19.8
1620 Excision of lesion of skin and subcutaneous tissue	2.5	1.8	2.5	2.4	2.0	1.7	2.1	4.4	2.2
197 Extracapsular crystalline lens extraction by phacoemulsification	1.1	1.0	1.0	1.1	1.1	1.0	1.0	1.7	1.1
1340 Caesarean section	5.2	5.1	4.4	5.4	5.6	4.9	5.4	6.1	5.1
1334 Medical or surgical induction of labour	4.0	3.7	3.4	4.1	4.3	4.0	3.8	4.6	3.8
668 Coronary angiography	6.2	4.5	5.0	3.9	4.4	4.2	3.0	8.3	5.0
1335 Medical or surgical augmentation of labour	3.2	3.2	2.8	3.5	3.4	3.4	3.1	4.0	3.2
2015 Magnetic resonance imaging	13.7	12.3	14.0	12.9	14.1	14.7	14.5	19.8	13.4
1333 Analgesia and anaesthesia during labour and delivery procedure	4.2	4.1	3.7	4.3	4.3	4.2	4.0	5.0	4.1
1265 Curettage of uterus	1.2	1.1	1.2	1.2	1.2	1.2	1.3	1.4	1.2
1966 Other computerised tomography	12.0	9.9	11.2	11.5	11.9	11.2	10.6	12.4	11.3
1089 Examination procedures on bladder	2.7	1.9	2.4	2.8	2.2	2.9	2.0	4.7	2.3
1005 Panendoscopy	6.8	5.0	6.4	5.4	5.0	5.7	12.6	7.7	5.8
1962 Computerised tomography of abdomen	9.5	7.6	9.7	10.4	8.8	7.4	10.3	9.0	9.2
569 Continuous ventilatory support	19.5	18.5	19.4	21.7	23.3	20.2	19.4	19.2	19.7
607 Examination procedures on ventricle	5.7	4.2	4.4	3.5	3.6	4.2	2.6	8.1	4.5
1635 Repair of wound of skin and subcutaneous tissue	5.0	3.7	4.9	5.6	4.8	4.9	5.2	5.1	4.7
Total	4.2	3.4	3.7	3.7	4.2	4.2	3.4	2.9	3.8

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

Table 10.17: Average length of stay^(a) (days) for the 30 ICD-10-AM procedure blocks with the highest number of separations, private hospitals, states and territories, 2005–06

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	1.9	2.1	2.1	2.2	2.1	n.p.	n.p.	n.p.	2.0
1916 Generalised allied health interventions	7.0	8.9	9.1	9.9	7.1	n.p.	n.p.	n.p.	8.2
1920 Pharmacotherapy	2.0	2.3	2.2	2.3	2.1	n.p.	n.p.	n.p.	2.2
905 Fiberoptic colonoscopy	1.2	1.3	1.4	1.5	1.4	n.p.	n.p.	n.p.	1.3
1909 Conduction anaesthesia	3.0	4.0	4.2	5.6	3.7	n.p.	n.p.	n.p.	3.8
1008 Panendoscopy with excision	1.2	1.4	1.6	1.7	1.5	n.p.	n.p.	n.p.	1.4
911 Fiberoptic colonoscopy with excision	1.1	1.3	1.4	1.5	1.4	n.p.	n.p.	n.p.	1.3
1060 Haemodialysis	1.1	1.2	1.2	1.0	1.1	n.p.	n.p.	n.p.	1.1
197 Extracapsular crystalline lens extraction by phacoemulsification	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.p.	1.0
1620 Excision of lesion of skin and subcutaneous tissue	1.5	1.5	1.5	1.5	1.2	n.p.	n.p.	n.p.	1.5
1893 Transfusion of blood and gamma globulin	8.5	8.2	7.1	9.0	8.2	n.p.	n.p.	n.p.	8.0
458 Surgical removal of tooth	1.0	1.0	1.1	1.0	1.0	n.p.	n.p.	n.p.	1.0
1912 Postprocedural analgesia	6.3	7.1	6.9	6.9	6.1	n.p.	n.p.	n.p.	6.7
668 Coronary angiography	2.4	3.4	3.6	3.2	3.7	n.p.	n.p.	n.p.	3.1
1005 Panendoscopy	1.8	1.8	3.0	3.1	2.0	n.p.	n.p.	n.p.	2.2
1089 Examination procedures on bladder	1.6	1.9	1.9	2.1	1.9	n.p.	n.p.	n.p.	1.9
1267 Evacuation of gravid uterus	1.0	1.0	1.0	1.0	1.1	n.p.	n.p.	n.p.	1.0
607 Examination procedures on ventricle	2.4	3.2	3.4	3.0	3.5	n.p.	n.p.	n.p.	3.0
1265 Curettage of uterus	1.1	1.1	1.1	1.1	1.1	n.p.	n.p.	n.p.	1.1
1297 Procedures for reproductive medicine	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.p.	1.0
1873 Psychological/psychosocial therapies	5.3	12.6	3.0	3.5	12.2	n.p.	n.p.	n.p.	5.2
1921 Loading of drug delivery device	1.2	1.4	2.0	1.5	1.7	n.p.	n.p.	n.p.	1.6
1890 Therapeutic interventions on cardiovascular system	3.2	1.7	1.3	2.6	2.2	n.p.	n.p.	n.p.	1.5
1517 Arthroscopic meniscectomy of knee with repair	1.1	1.1	1.1	1.1	1.1	n.p.	n.p.	n.p.	1.1
1259 Examination procedures on uterus	1.1	1.1	1.1	1.1	1.1	n.p.	n.p.	n.p.	1.1
1340 Caesarean section	5.7	5.7	5.2	6.4	6.0	n.p.	n.p.	n.p.	5.7
1828 Sleep study	1.1	1.0	1.4	1.2	1.1	n.p.	n.p.	n.p.	1.1
1333 Analgesia and anaesthesia during labour and delivery procedure	4.9	4.8	4.7	5.2	5.1	n.p.	n.p.	n.p.	4.9
990 Repair of inguinal hernia	1.5	1.5	1.4	1.7	1.7	n.p.	n.p.	n.p.	1.5
412 Tonsillectomy or adenoidectomy	1.0	1.1	1.0	1.1	1.1	n.p.	n.p.	n.p.	1.1
Total	2.5	2.6	2.6	2.6	2.6	n.p.	n.p.	n.p.	2.6

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Postinimum organ procurement* have been excluded.
n.p. Not published.

Table 10.18: Separations^(a) for males for the 30 ICD-10-AM procedure blocks with the highest number of separations, by age group, all hospitals, Australia, 2005-06

Procedure block	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total ^(b)
1910 Cerebral anaesthesia	9,895	42,076	71,634	98,820	98,432	133,728	172,868	224,683	204,027	160,945	33,368	1,250,478
1916 Generalised allied health interventions	9,795	6,567	13,024	28,817	33,267	41,518	55,473	84,798	102,683	127,340	53,016	556,299
1060 Haemodialysis	4	112	453	7,775	22,085	48,141	78,420	109,536	129,378	119,123	15,170	530,200
1920 Pharmacotherapy	18,217	3,399	5,340	5,780	6,545	11,500	22,991	44,747	47,926	31,432	4,574	202,451
1909 Conduction anaesthesia	1,676	2,535	2,903	5,295	5,359	6,905	11,650	24,305	34,485	35,972	8,266	139,351
1893 Transfusion of blood and gamma globulin	1,944	1,674	3,714	3,824	4,282	6,248	11,836	20,884	28,689	32,836	11,128	127,059
1008 Panendoscopy with excision	131	641	1,730	4,422	8,229	14,408	20,639	25,265	20,611	14,346	2,730	113,552
905 Fiberoptic colonoscopy	6	24	125	1,671	5,840	14,142	23,238	28,330	22,325	14,572	2,436	112,709
911 Fiberoptic colonoscopy with excision	34	131	482	2,320	4,792	10,295	18,945	27,681	23,987	14,825	2,099	105,591
1952 Computerised tomography of brain	571	1,163	2,354	7,193	7,210	7,764	8,896	11,718	15,327	21,535	9,623	93,357
1620 Excision of lesion of skin and subcutaneous tissue	204	671	1,727	2,209	3,327	6,215	10,211	15,331	15,758	18,570	6,269	80,492
197 Extracapsular crystalline lens extraction by phacoemulsification	1	7	14	70	148	612	2,817	9,332	20,694	29,166	5,870	68,731
668 Coronary angiography	27	41	40	124	547	3,293	10,148	18,549	18,369	12,485	1,349	64,972
1089 Examination procedures on bladder	101	153	314	670	1,211	2,429	4,809	10,306	13,743	13,448	3,507	50,691
607 Examination procedures on ventricle	64	48	47	86	415	2,504	7,897	14,360	13,594	8,601	866	48,482
1912 Postprocedural analgesia	214	362	1,596	3,425	3,091	3,815	5,930	10,399	10,858	6,788	983	47,461
1005 Panendoscopy	20	94	187	1,112	2,184	3,968	6,400	8,533	8,504	7,363	1,907	40,272
990 Repair of inguinal hernia	1,520	1,642	1,323	1,700	2,763	4,397	6,589	8,289	6,612	4,489	788	40,112
738 Venous catheterisation	3,872	491	814	1,480	1,856	2,917	4,604	7,163	7,884	6,824	1,459	39,364
1963 Computerised tomography of abdomen and pelvis	14	72	450	2,321	3,239	4,554	5,421	6,741	6,973	7,195	2,331	39,311
458 Surgical removal of tooth	0	484	2,936	16,989	7,441	3,762	2,542	1,913	946	700	162	37,875
1566 Excision procedures on other musculoskeletal sites	37	595	1,355	4,342	4,186	4,504	4,714	4,569	3,126	2,438	706	30,572
1921 Loading of drug delivery device	100	420	745	334	418	1,302	4,163	8,936	7,967	3,026	254	27,665
2015 Magnetic resonance imaging	883	1,223	1,524	1,437	1,730	2,613	3,471	4,566	4,828	4,274	932	27,481
1890 Therapeutic interventions on cardiovascular system	176	95	171	502	593	1,575	3,708	7,840	7,706	3,776	444	26,586
1828 Sleep study	137	512	614	483	1,635	4,175	6,345	6,934	3,520	1,689	156	26,200
671 Transluminal coronary angioplasty with stenting	0	0	0	3	104	1,203	4,338	7,422	6,823	4,248	547	24,688
1517 Arthroscopic meniscectomy of knee with repair	0	0	51	1,153	2,150	4,261	6,308	5,778	2,596	878	79	23,254
1966 Other computerised tomography	39	63	107	764	1,315	1,998	3,031	4,437	5,216	4,913	1,235	23,118
569 Continuous ventilatory support	3,085	382	402	1,458	1,534	1,741	2,284	3,293	3,879	3,636	634	22,331
Other	46,414	62,652	107,630	134,340	142,764	184,706	228,113	310,458	294,324	248,762	63,665	1,823,832
Procedures reported	42,345	53,824	93,322	148,147	183,134	264,506	374,654	528,810	544,772	489,977	119,010	2,835,398
No procedure or not reported	37,814	43,905	38,302	49,202	56,311	63,888	66,581	72,276	71,549	75,301	27,720	602,850
Total^(c)	80,159	97,729	131,624	197,349	232,336	328,394	441,235	601,086	616,321	565,278	146,730	3,438,248

(a) Separations for which the care type was reported as Newborn with no qualified days, and records for Hospital boarders and Posthumous organ procurement have been excluded.

(b) Includes separations for which age was not reported.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

Table 10.19: Separations^(a) for females for the 30 ICD-10-AM procedure blocks with the highest number of separations, by age group, all hospitals, Australia, 2005-06

Procedure block	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total ^(b)
1910 Cerebral anaesthesia	5,041	26,971	51,831	125,919	170,881	211,469	224,955	225,085	193,616	170,873	46,265	1,452,906
1916 Generalised allied health interventions	8,139	5,048	10,723	39,321	79,175	59,706	56,437	76,161	98,055	154,001	98,893	685,660
1060 Haemodialysis	4	46	401	4,796	17,499	30,010	54,110	73,298	97,788	77,104	7,585	362,641
1920 Pharmacotherapy	14,731	2,912	3,922	5,350	9,128	21,813	40,346	50,406	39,407	25,296	4,707	218,018
1909 Conduction anaesthesia	249	386	1,007	9,221	41,100	23,472	10,918	19,735	32,097	41,192	12,444	191,821
1008 Panendoscopy with excision	118	457	1,691	7,483	10,934	18,835	28,024	29,976	23,627	17,368	4,043	142,556
905 Fibreoptic colonoscopy	3	13	87	2,779	7,112	17,215	30,982	34,159	26,230	17,975	3,489	140,044
1893 Transfusion of blood and gamma globulin	1,428	1,122	2,426	4,503	7,651	8,936	12,089	17,430	23,250	30,077	15,909	124,821
911 Fibreoptic colonoscopy with excision	31	71	395	3,839	6,355	11,501	19,190	24,303	20,680	14,519	2,594	103,478
197 Extracapsular crystalline lens extraction by phacoemulsification	4	2	11	52	125	600	2,909	10,533	28,877	43,868	10,069	97,050
1952 Computerised tomography of brain	412	783	1,380	3,955	4,741	5,964	7,338	8,418	11,714	23,441	17,274	85,421
1340 Caesarean section	0	0	13	10,341	49,754	22,395	207	0	0	0	0	82,710
1344 Postpartum suture	0	0	29	15,319	49,048	14,537	60	2	0	0	0	78,995
1265 Curettage of uterus	0	0	33	4,664	15,028	22,623	22,114	8,634	3,716	1,654	248	78,714
1912 Postprocedural analgesia	177	306	1,204	4,965	15,980	12,462	9,547	10,427	11,023	8,560	1,697	76,348
1267 Evacuation of gravid uterus	0	0	166	24,575	32,035	18,664	554	4	2	0	0	76,000
1620 Excision of lesion of skin and subcutaneous tissue	140	619	1,840	2,743	4,694	7,772	11,207	12,170	11,022	13,036	6,504	71,747
1334 Medical or surgical induction of labour	0	0	32	13,063	42,670	14,180	87	0	0	0	0	70,032
1333 Analgesia and anaesthesia during labour and delivery procedure	0	0	23	11,854	39,956	12,012	53	1	1	1	0	63,901
1259 Examination procedures on uterus	0	2	33	3,229	11,986	17,451	17,205	6,115	2,594	1,157	199	59,971
1335 Medical or surgical augmentation of labour	0	0	15	14,121	36,003	9,653	48	0	0	0	0	59,840
458 Surgical removal of tooth	2	370	3,469	26,556	9,805	4,140	2,874	1,897	926	738	266	51,043
1005 Panendoscopy	30	83	168	1,495	2,507	4,780	7,639	9,532	8,886	8,589	2,837	46,546
1297 Procedures for reproductive medicine	0	0	1	486	17,346	23,803	806	6	0	0	0	42,448
1963 Computerised tomography of abdomen and pelvis	11	60	245	2,166	3,070	4,046	4,981	5,155	5,734	7,471	3,744	36,683
668 Coronary angiography	38	38	37	48	206	1,298	4,235	8,111	10,220	9,191	1,241	34,663
1089 Examination procedures on bladder	63	126	204	594	1,465	4,222	6,861	7,441	6,550	5,414	1,303	34,243
965 Cholecystectomy	2	10	87	2,371	5,449	6,153	6,245	5,669	3,733	2,459	453	32,631
1343 Other procedures associated with delivery	0	0	15	5,833	20,355	5,695	28	2	0	0	1	31,929
738 Venous catheterisation	2,955	424	616	1,185	1,680	2,521	3,956	5,148	5,627	5,627	1,806	31,466
Other	33,926	45,231	80,539	147,744	266,031	288,651	307,878	314,470	270,464	253,389	89,915	2,098,238
Procedures reported ^(c)	28,645	35,773	69,122	222,138	412,755	400,351	414,751	464,722	459,529	452,572	165,170	3,125,529
No procedure or not reported	30,519	33,754	29,653	99,652	141,881	91,243	68,169	64,092	61,793	79,786	47,572	748,116
Total^(c)	59,164	69,527	98,775	321,790	554,636	491,594	482,920	528,814	521,322	532,358	212,742	3,873,645

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Includes separations for which age was not reported.

(c) As more than one procedure can be reported for each separation, the totals are not the sums of the rows of the table.

Table 10.20: Procedure^(a) statistics in ICD-10-AM chapters, by Indigenous status^(b), all hospitals, selected states and territories^(c), 2005–06

Procedure chapter	Count of procedures		Proportion of total procedures for patients identified as		Procedures per 1,000 population ^(d)		Rate ratio ^(e)
	Indigenous	Other	Indigenous (%)	Other	Indigenous	Other	
1–86	1,365	88,134	0.6	11.3	5.8	11.3	0.5
110–129	103	4,707	0.0	0.6	0.5	0.6	0.9
160–256	1,354	101,832	0.6	12.8	10.9	12.8	0.9
300–333	1,360	25,224	0.6	3.6	3.6	3.6	1.0
370–422	1,139	78,460	0.5	10.6	3.9	10.6	0.4
450–490	8,711	227,236	3.8	31.9	20.1	31.9	0.6
520–569	4,531	69,173	2.0	9.0	18.7	9.0	2.1
600–767	7,020	203,996	3.1	25.7	39.5	25.7	1.5
800–817	359	21,123	0.2	2.7	1.9	2.7	0.7
850–1011	7,272	489,359	3.2	62.5	39.3	62.5	0.6
1040–1129	89,047	401,953	38.7	50.6	605.7	50.6	12.0
1060	86,164	289,221	37.4	36.4	587.7	36.4	16.1
	2,883	112,732	1.3	14.2	18.0	14.2	1.3
<i>Other than haemodialysis in procedure block 1040–1128</i>							
1160–1203	540	36,295	0.2	4.8	1.9	4.8	0.4
1240–1299	4,296	180,451	1.9	24.3	16.7	24.3	0.7
1330–1347	9,720	191,429	4.2	26.8	27.0	26.8	1.0
1360–1579	7,776	261,024	3.4	34.0	31.0	34.0	0.9
1600–1718	9,362	266,321	4.1	34.3	37.7	34.3	1.1
1740–1759	343	29,337	0.1	3.8	1.7	3.8	0.4
1786–1799	131	5,802	0.1	0.7	0.7	0.7	0.9
1820–1922	66,962	2,454,945	29.1	316.4	321.1	316.4	1.0
1940–2016	8,751	232,531	3.8	29.6	46.9	29.6	1.6
Total (excluding haemodialysis)	143,978	5,080,111	62.6	630.0	600.3	630.0	1.0
Total (including haemodialysis)	230,142	5,369,332	100.0	696.0	1,234.9	696.0	1.8

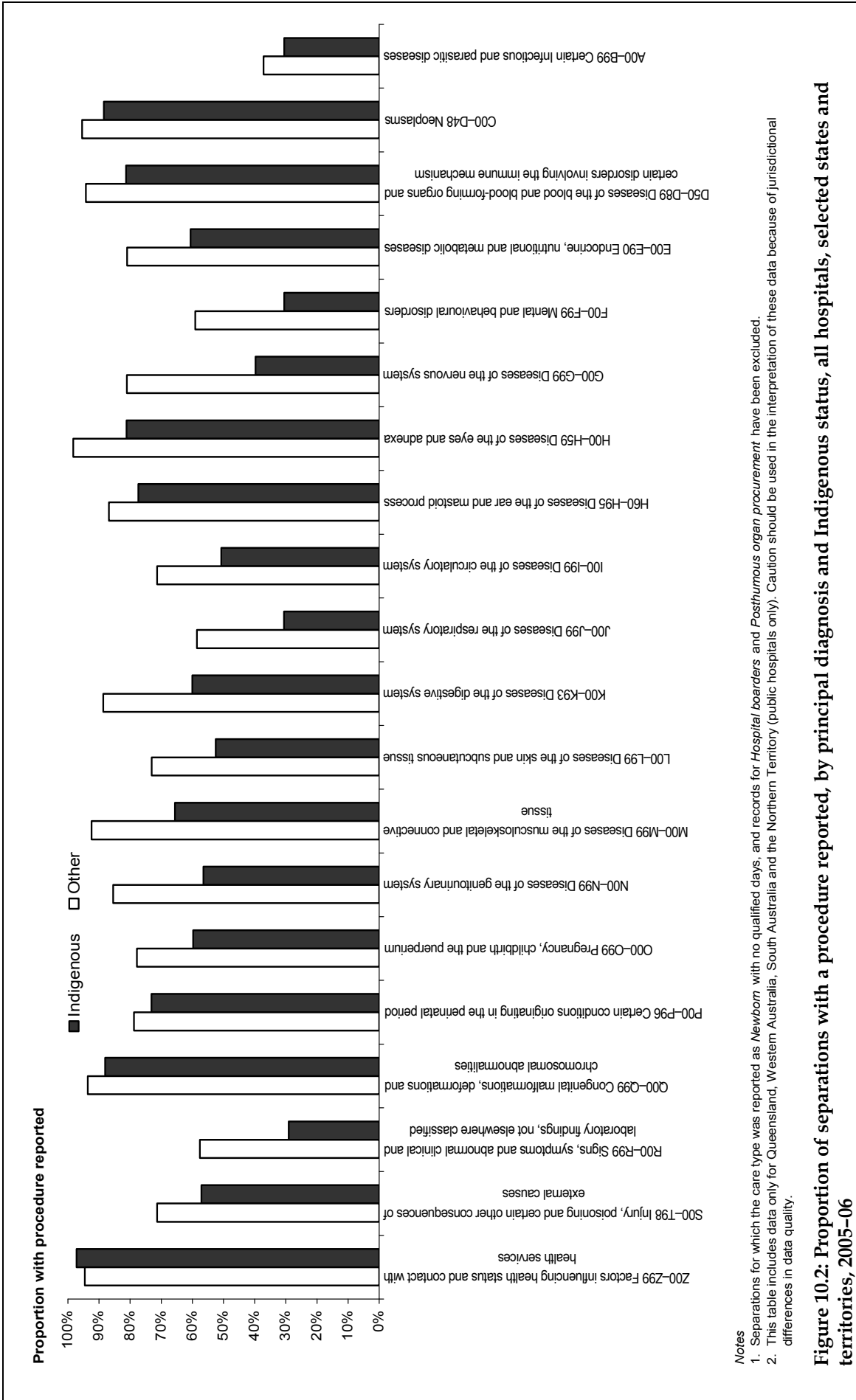
(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(b) Identification of Indigenous patients is not considered to be complete and completeness varies among jurisdictions. See the text of Chapter 8 for further detail.

(c) This table includes data only for Queensland, Western Australia, South Australia and the Northern Territory (public hospitals only). Caution should be used in the interpretation of these data because of jurisdictional differences in data quality.

(d) The rates were directly age-standardised as detailed in Appendix 3. The rate for *Other* persons includes *Not reported*. For details, see Appendix 3.

(e) The rate ratio is equal to the rate for indigenous people divided by the rate for *Other* persons (which includes *Not reported*).



Notes
 1. Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.
 2. This table includes data only for Queensland, Western Australia, South Australia and the Northern Territory (public hospitals only). Caution should be used in the interpretation of these data because of jurisdictional differences in data quality.

Figure 10.2: Proportion of separations with a procedure reported, by principal diagnosis and Indigenous status, all hospitals, selected states and territories, 2005-06