

# 10 Procedures for admitted patients

## Introduction

The *National health data dictionary* version 12.0 (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 only available 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 2004–05 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 3.

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, so will only be counted 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.

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 of these groups with the highest

number of separations (Tables 10.9 to 10.19) and summary information is provided for all of the groups (for which separations were reported) on the Internet at [www.aihw.gov.au](http://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 5.7 million separations for which a procedure was reported, 81.2% of total separations. Almost 19.6 million patient days were reported for separations with a procedure, accounting for 82.1% 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 1518 *Arthroplasty of knee* and other data elements in the National Hospital Morbidity Database. There were 26,578 separations for which this procedure was reported, with an average length of stay of 7.9 days. Almost 65% of separations were admitted in private hospitals. The majority of separations (78.9%) with this procedure had a separation mode of *Other*, suggesting that these patients went home after separation from the hospital, whereas 14.7% were transferred to another acute hospital. The principal diagnosis mostly associated with this procedure was *Gonarthrosis (M17)* with 25,383 separations, and the most commonly reported AR-DRG was *Knee replacement and reattachment (I04Z)* with 25,094 separations. There were more separations for females than males, with females accounting for 57.8% of separations. The majority of separations (92.6%) 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 separation and procedure 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 53.8% of the separations for which a procedure was reported, although they accounted for 60.9% of the separations overall. Similarly, although 69.9% of overall patient days were in public hospitals, only 67.1% of patient days associated with procedures were in public hospitals. In public hospitals, 74.2% of total separations involved a procedure (3,171,278) and these separations were associated with 78.9% of total patient days (Table 10.1). In contrast, 92.2% of total separations in private hospitals involved a procedure (2,529,104), and these separations were associated with 89.7% of total patient days (Table 10.2). About 85.8% of separations with a procedure in public hospitals were for public patients, in contrast to 3.3% in private hospitals.

The private sector reported a higher proportion of separations for same day procedures than the public sector. About 53.8% (1,704,702) of separations for which a procedure was reported were same day in public hospitals, compared with 66.2% (1,673,483) 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 interventions, not elsewhere classified* (Blocks 1820–1922). This chapter also accounted for the highest numbers of patient days in the public sector and the private sector.

After *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1922) (1,886,116), the chapter that accounted for the largest number of separations in public hospitals was *Procedures on urinary system* (Blocks 1040–1129), which includes haemodialysis. There were 782,834 separations for which procedures in this chapter were reported, accounting for 1,298,493 patient days. This group of procedures also accounted for a large number of same day separations (719,107) and public patient separations (696,161). Other chapters that accounted for a large number of separations in public hospitals were *Procedures on digestive system* (Blocks 850–1011) with 381,792 separations, and *Imaging services* (Blocks 1940–2016) with 248,533 separations.

Within the private sector, after *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1916) (1,929,644 separations), *Procedures on digestive system* (Blocks 850–1011), which includes colonoscopy, was the group of procedures that accounted for the largest number of separations with 584,148 separations for which procedures in this chapter were reported, accounting for 1,080,580 patient days. This group of procedures also accounted for a large number of same day separations (452,683). Other chapters that accounted for a large number of separations in private hospitals were *Procedures on musculoskeletal system* (Blocks 1360–1579) with 250,441 separations and *Procedures on urinary system* (Blocks 1040–1129) with 247,085 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 (233,654 public sector separations or 82.9% of combined separations) than in Queensland (120,183 public sector separations or 62.7% of combined separations). Similarly, 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 (35,222 private sector separations, representing 79.4% of combined separations) than in Victoria (29,673 private sector separations, or 56.8%).

## Selected procedures, 2000–01 to 2004–05

Tables 10.5 and 10.6 present the number of separations for selected procedures from 2000–01 to 2004–05 and the change in separations over this period, by hospital sector and patient election status. The selected procedures have been identified as performance indicators related to appropriateness and may also be indicators of accessibility. The ICD-10-AM codes used to define the procedures are listed in Appendix 3. 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 2000–01 and 2004–05 varied between the hospital sectors. For example, the number of private sector separations for *Diagnostic gastrointestinal endoscopy* increased by 12.9% (44,229 separations) between 2000–01 and 2004–05, compared with a decrease of 6.2% (12,213 separations) in the public sector over the same period (Table 10.5). Overall, the reported number of separations increased for all but three of the selected procedures between 2000–01 and 2004–05 in the private sector and increased for eight of the 15 selected procedures in the public sector. A decrease in the number of separations over the 5-year period for *Coronary artery bypass graft* was reported for both sectors, with private sector separations decreasing by 988 and public sector separations decreasing by 1,180. These changes would have been affected by the recategorisation of two New South Wales hospitals from private to public since 2003–04 (see Appendix 4).

Table 10.6 presents the number of separations and change in separations for selected procedures from 2000–01 to 2004–05, by patient election status, for all hospitals. Due to a small proportion of separations whose 'Patient election status' was not reported (less than 5% of all separations in each year), the overall changes by selected procedure in Table 10.6 are slightly different from those presented in Table 10.5.

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 12 of the 15 selected procedures between 2000–01 and 2004–05, whereas public patient separations increased for six of the selected procedures over the same period. A notable difference between private and public patients was for *Coronary angioplasty*, with private patient separations increasing by 65.0% (7,397 separations) between 2000–01 and 2004–05, compared with a decrease in public patient separations of 2.5% (398 separations) over the same period.

## Total procedures

Tables 10.7 and 10.8 provide counts of all the procedures reported for 2004–05, 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. A total of 13.8 million procedures were reported, 7.5 million in the public sector and 6.3 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) (6,453,281 procedures in total). A block which accounted for many of these procedures was *Cerebral anaesthesia* (Block 1910), 42.1% of the chapter overall (2,716,763 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) (1,282,284) and *Procedures on urinary system* (Blocks 1040–1129) (1,104,482).

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 818,293 procedures. In private hospitals, it was *Procedures on digestive system* (Blocks 850–1011) with 769,860 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) (778,933) and *Cerebral anaesthesia* (Block 1910) (549,270) (Table 10.9). The average length of stay for separations reporting each of these procedure blocks was 11.5 and 6.4 days respectively. Both these procedure blocks also accounted for the highest number of patient days for separations with procedures, with 8,971,431 patient days for *Generalised allied health interventions* (Block 1916) and 3,519,177 patient days for *Cerebral anaesthesia* (Block 1910). *Haemodialysis* (Block 1060) was the most frequently reported procedure for same day separations in the public sector (664,611), followed by *Cerebral anaesthesia* (Block 1910) (539,593) (Table 10.11).

*Cerebral anaesthesia* (Block 1910) was the most frequently reported procedure for overnight separations in private hospitals (511,926) (Table 10.10), and also the most frequently reported procedure for same day separations (1,014,397) (Table 10.12).

*Cerebral anaesthesia* (Block 1910) was the most frequently reported procedure group in private free-standing day hospitals (306,611 separations), followed by *Panendoscopy with excision* (Block 1008) (70,388 separations) (Table 10.13). Public patient separations accounted for 36.8% (15,886) 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 (42.8%, 32,463) and lowest in South Australia (13.1%, 47,932). In the private sector, Victoria had relatively high numbers of separations with *Panendoscopy* (Block 1005) (21,480).

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 2.3 days in the Australian Capital Territory to 6.3 days in New South Wales and 9.3 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 reported, 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 13.1 days in South Australia (Table 10.17).

## Age group and sex

There was little difference between males and females in the proportion of separations with procedures, with 82.0% for males (2,700,027) and 80.5% for females (3,000,303) (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 males and the 45–54 years age group for females.

For both males and females, the highest number of separations with procedures was reported for the 65–74 years age group, with 517,718 (19.2%) separations for males and 444,716 (14.8%) separations for females (Tables 10.18 and 10.19).

## Aboriginal and Torres Strait Islander status

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 (81,019). For *Haemodialysis* (Block 1060), the number of procedures per 1,000 population for persons identified as Indigenous was about 15 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 1.4 times that of other persons. 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 endocrine system* (Blocks 110–129), *Procedures on nose, mouth and pharynx* (Blocks 370–422), *Procedures on male genital organs* (Blocks 1160–1203), *Dental services* (Blocks 450–490) and *Gynaecological procedures* (Blocks 1240–1299).

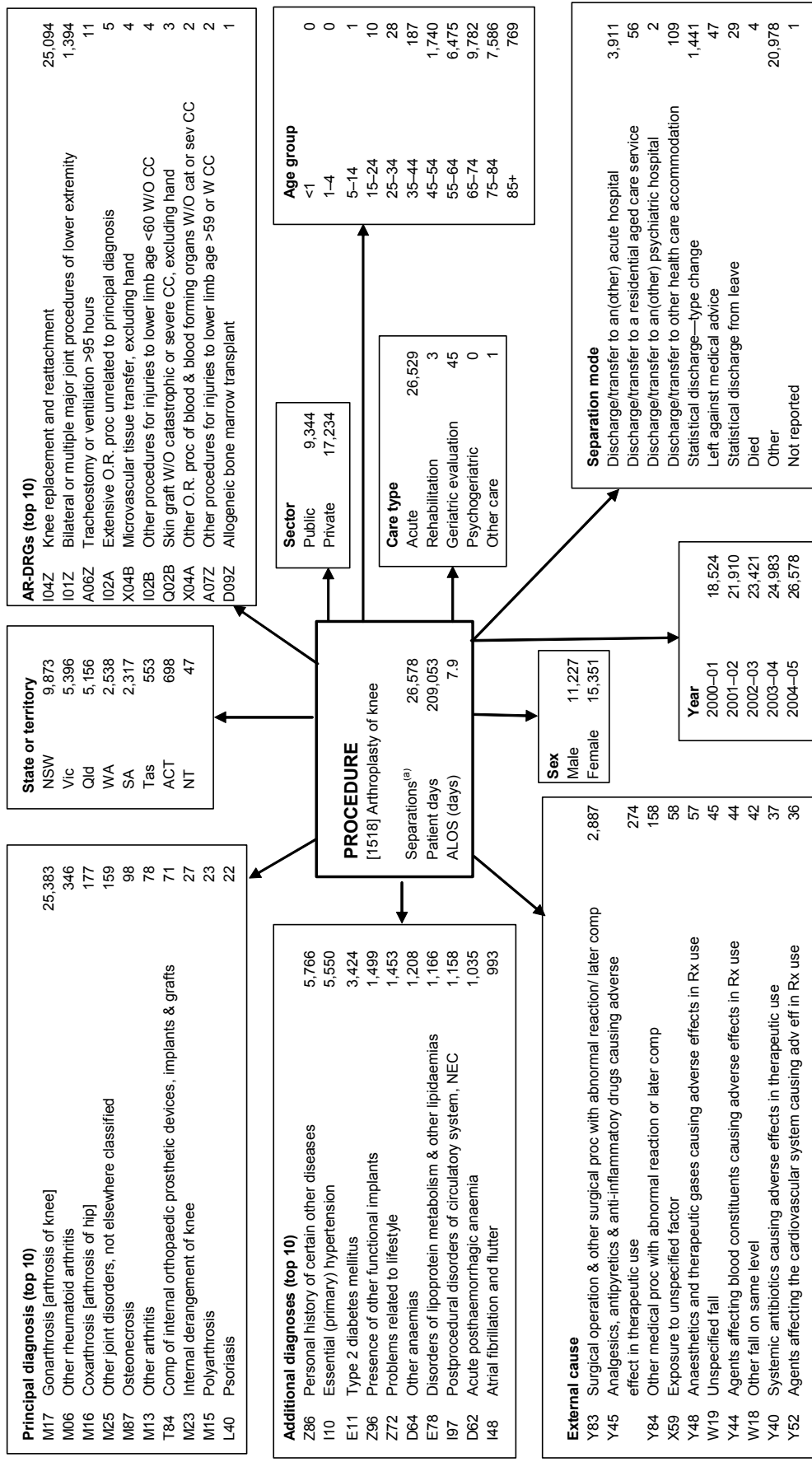
Although the overall rate of procedures per 1,000 population was higher for Indigenous persons, Figure 10.2 shows that the proportion of separations with a procedure by

ICD-10-AM diagnosis chapter was lower for Indigenous patients than for other patients for almost all of the diagnosis chapters. For example, for *Diseases of the nervous system (G00–G99)*, 39.6% of separations for Indigenous patients had a procedure reported, compared with 79.5% 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 3 of this report. The accompanying tables on the Internet at [www.aihw.gov.au](http://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, 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 web site 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 *Posthumous organ procurement* have been excluded.  
 Abbreviations: ALOS—average length of stay; proc—procedure; W—with; W/O—without; sev—severe; comp—complication or comorbidity; mis—misadventure; NEC—not elsewhere classified; Rx—therapeutic; adv eff—adverse effect; O.R.—operating room; cat—catastrophic.

Figure 10.1: Interrelationships of a procedure (Block 1518 Arthroplasty of knee) with other data elements, all hospitals, Australia, 2004-05

**Table 10.1: Separation<sup>(a)</sup> and procedure statistics, by procedure in ICD-10-AM chapters, public hospitals, Australia, 2004–05**

Procedure chapters	Separations			Separations per 10,000		Patient days per 10,000 population <sup>(b)</sup>	ALOS (days)	ALOS (days) excluding same day
	Separations	Same day separations	Public patient separations	per 10,000	Patient days			
1–86	66,356	27,126	54,537	32.8	444,032	219.7	6.7	10.6
110–129	5,907	202	5,142	2.9	27,386	13.6	4.6	4.8
160–256	72,751	61,155	56,355	36.0	107,953	53.4	1.5	4.0
300–333	25,545	16,858	21,765	12.6	48,968	24.2	1.9	3.7
370–422	48,171	14,132	40,480	23.8	105,474	52.2	2.2	2.7
450–490	30,250	25,074	23,189	15.0	89,299	44.2	3.0	12.4
520–569	77,653	16,593	63,540	38.4	1,013,388	501.4	13.1	16.3
600–767	177,564	46,910	146,961	87.9	1,640,359	811.7	9.2	12.2
800–817	28,656	10,105	23,600	14.2	221,654	109.7	7.7	11.4
850–1011	381,792	198,924	330,292	188.9	1,551,771	767.8	4.1	7.4
1040–1129	782,834	719,107	696,161	387.3	1,298,493	642.5	1.7	9.1
1160–1203	37,118	20,026	31,742	18.4	93,667	46.3	2.5	4.3
1240–1299	138,840	90,015	121,163	68.7	281,666	139.4	2.0	3.9
1330–1347	166,090	8,806	152,534	82.2	606,814	300.3	3.7	3.8
1360–1579	217,308	65,304	179,061	107.5	1,186,376	587.0	5.5	7.4
1600–1718	167,969	81,655	142,107	83.1	887,493	439.1	5.3	9.3
1740–1759	18,102	8,086	16,160	9.0	47,827	23.7	2.6	4.0
1786–1799	8,702	1,007	6,589	4.3	93,174	46.1	10.7	12.0
1820–1922	1,886,116	678,219	1,586,176	933.3	11,147,407	5,515.8	5.9	8.7
1940–2016	248,533	169,904	213,507	123.0	1,207,055	597.3	4.9	13.2
Imaging services	3,171,278	1,704,702	2,722,158	1,569.2	13,140,349	6,507.9	4.1	7.8
Procedure reported <sup>(c)</sup>	1,105,147	394,687	983,633	546.8	3,521,807	1,742.6	3.2	4.4
No procedure or not reported	4,276,425	2,099,389	3,705,791	2,116.0	16,662,156	8,244.5	3.9	6.7
<b>Total<sup>(e)</sup></b>								

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

(b) Crude rate based on Australian population as at 31 December 2004.

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

**Table 10.2: Separation<sup>(a)</sup> and procedure statistics, by procedure in ICD-10-AM chapters, private hospitals, Australia, 2004–05**

Procedure chapters	Separations		Same day separations		Separations per 10,000 population <sup>(b)</sup>		Patient days per 10,000 population <sup>(b)</sup>		ALOS (days)	
	Separations	Public patient separations	separations	separations	per 10,000 population <sup>(b)</sup>	Patient days	per 10,000 population <sup>(b)</sup>	ALOS (days)	ALOS excluding same day	
1–86	74,174	706	39,782	36.7	257,280	127.3	3.5	6.3		
110–129	5,877	46	88	2.9	18,350	9.1	3.1	3.2		
160–256	147,630	3,484	133,165	73.0	153,786	76.1	1.0	1.4		
300–333	26,427	279	19,155	13.1	30,707	15.2	1.2	1.6		
370–422	61,173	630	21,749	30.3	76,355	37.8	1.2	1.4		
450–490	89,423	56	85,069	44.2	93,490	46.3	1.0	1.9		
520–569	24,550	317	6,705	12.1	200,660	99.3	8.2	10.9		
600–767	130,063	2,464	42,752	64.4	623,674	308.6	4.8	6.7		
800–817	18,721	175	5,596	9.3	95,116	47.1	5.1	6.8		
850–1011	584,148	6,907	452,684	289.0	1,080,580	534.7	1.8	4.8		
1040–1129	247,085	44,736	201,212	122.3	447,406	221.4	1.8	5.4		
1160–1203	54,509	987	30,886	27.0	131,079	64.9	2.4	4.2		
1240–1299	181,621	2,281	140,326	89.9	297,880	147.4	1.6	3.8		
1330–1347	75,338	1,787	1,684	37.3	369,907	183.0	4.9	5.0		
1360–1579	250,441	2,773	105,916	123.9	834,207	412.8	3.3	5.0		
1600–1718	160,780	2,116	113,690	79.6	340,326	168.4	2.1	4.8		
1740–1759	31,303	381	12,868	15.5	63,972	31.7	2.0	2.8		
1786–1799	2,820	98	360	1.4	28,131	13.9	10.0	11.3		
1820–1922										
1940–2016	1,929,644	28,279	1,177,278	954.8	5,513,226	2728.0	2.9	5.8		
Imaging services	204,947	7,533	177,992	101.4	431,312	213.4	2.1	9.4		
Procedure reported <sup>(c)</sup>	2,529,104	82,315	1,673,483	1,251.4	6,431,801	3,182.5	2.5	5.6		
No procedure or not reported	213,321	9,963	74,306	105.6	734,655	363.5	3.4	4.8		
<b>Total<sup>(c)</sup></b>	<b>2,742,425</b>	<b>92,278</b>	<b>1,747,789</b>	<b>1,357.0</b>	<b>7,166,456</b>	<b>3,546.0</b>	<b>2.6</b>	<b>5.4</b>		

(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 2004.

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

Abbreviation: ALOS—average length of stay.

**Table 10.3: Separations<sup>(a)</sup>, by procedure in ICD-10-AM chapters, public hospitals, states and territories, 2004–05**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	20,087	18,947	10,206	7,794	6,263	1,543	950	566	66,356
110–129	2,252	1,606	999	393	409	110	99	39	5,907
160–256	24,396	22,583	9,130	7,713	6,710	448	1,157	614	72,751
300–333	5,583	7,618	6,283	2,497	2,728	226	279	331	25,545
370–422	12,930	15,797	8,544	4,458	4,972	468	659	343	48,171
450–490	7,217	9,850	6,199	3,132	2,631	556	237	428	30,250
520–569	25,551	20,475	14,095	6,916	6,443	1,811	1,383	979	77,653
600–767	54,516	50,310	30,652	16,205	14,585	4,974	4,441	1,881	177,564
800–817	8,346	8,839	5,088	2,907	2,040	511	759	166	28,656
850–1011	127,126	108,144	53,982	41,174	35,309	7,222	5,439	3,396	381,792
1040–1129	226,920	233,654	120,183	80,146	57,441	13,713	17,516	33,261	782,834
1160–1203	10,927	12,341	5,011	3,804	3,524	720	419	372	37,118
1240–1299	40,070	42,105	23,973	11,467	15,479	2,082	1,507	2,157	138,840
1330–1347	56,566	39,942	33,563	16,478	11,680	3,056	2,651	2,154	166,090
1360–1579	71,355	57,559	37,831	21,177	17,345	4,954	4,290	2,797	217,308
1600–1718	44,541	44,528	36,750	16,423	17,754	2,884	2,037	3,052	167,969
1740–1759	5,349	5,096	3,002	2,518	1,424	348	228	137	18,102
1786–1799	3,042	2,638	1,347	710	666	158	140	1	8,702
1820–1922									
1940–2016	674,130	635,083	331,865	204,760	192,157	44,357	31,757	20,540	2,134,649
	152,207	103,604	53,874	29,372	27,630	8,334	6,237	3,764	385,022
Imaging services	963,981	940,602	511,347	309,499	272,307	63,256	53,307	56,979	3,171,278
Procedure reported <sup>(b)</sup>	380,265	282,827	222,414	73,761	93,289	23,348	10,331	18,912	1,105,147
No procedure or not reported									
<b>Total<sup>(b)</sup></b>	<b>1,344,246</b>	<b>1,223,429</b>	<b>733,761</b>	<b>383,260</b>	<b>365,596</b>	<b>86,604</b>	<b>63,638</b>	<b>75,891</b>	<b>4,276,425</b>

(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<sup>(a)</sup>, by procedure in ICD-10-AM chapters, private hospitals, states and territories, 2004-05**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1-86	19,243	18,181	13,864	12,281	8,345	n.p.	n.p.	n.p.	74,174
110-129	2,097	1,228	1,319	601	431	n.p.	n.p.	n.p.	5,877
160-256	52,113	29,673	35,222	13,234	11,286	n.p.	n.p.	n.p.	147,630
300-333	8,132	5,199	5,189	3,489	3,354	n.p.	n.p.	n.p.	26,427
370-422	20,435	12,437	12,425	7,022	6,719	n.p.	n.p.	n.p.	61,173
450-490	25,223	23,983	17,105	12,738	7,313	n.p.	n.p.	n.p.	89,423
520-569	6,417	5,546	7,019	2,215	2,706	n.p.	n.p.	n.p.	24,550
600-767	36,368	36,019	31,861	10,217	10,048	n.p.	n.p.	n.p.	130,063
800-817	4,807	4,125	5,701	1,729	1,537	n.p.	n.p.	n.p.	18,721
850-1011	174,643	161,166	141,706	54,657	37,174	n.p.	n.p.	n.p.	584,148
1040-1129	53,345	48,182	71,542	44,570	24,585	n.p.	n.p.	n.p.	247,085
1160-1203	18,626	13,108	10,114	5,926	4,154	n.p.	n.p.	n.p.	54,509
1240-1299	55,011	50,262	44,251	14,854	10,302	n.p.	n.p.	n.p.	181,621
1330-1347	20,602	18,800	17,074	10,405	4,745	n.p.	n.p.	n.p.	75,338
1360-1579	72,852	63,297	46,762	31,345	25,199	n.p.	n.p.	n.p.	250,441
1600-1718	45,965	36,608	37,815	16,871	17,274	n.p.	n.p.	n.p.	160,780
1740-1759	9,073	7,212	7,256	3,750	2,608	n.p.	n.p.	n.p.	31,303
1786-1799	773	875	660	117	344	n.p.	n.p.	n.p.	2,820
1820-1922									
1940-2016	627,214	521,293	540,693	216,655	159,297	n.p.	n.p.	n.p.	2,134,591
	26,882	32,373	32,054	13,813	9,153	n.p.	n.p.	n.p.	117,634
<i>Procedure reported<sup>(b)</sup></i>	<i>714,932</i>	<i>631,300</i>	<i>620,107</i>	<i>283,345</i>	<i>197,369</i>	<i>n.p.</i>	<i>n.p.</i>	<i>n.p.</i>	<i>2,529,104</i>
No procedure or not reported	32,266	72,967	56,739	25,370	14,460	n.p.	n.p.	n.p.	213,321
<b>Total<sup>(b)</sup></b>	<b>747,198</b>	<b>704,267</b>	<b>676,846</b>	<b>308,715</b>	<b>211,829</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>2,742,425</b>

(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<sup>(a)(b)</sup> for selected procedures<sup>(c)</sup>, by hospital sector, Australia, 2000-01 to 2004-05**

Procedure	Private hospitals										Public hospitals				
											Change				
	2000-01	2001-02	2002-03	2003-04	2004-05	2004-05	2004-05	2000-01 to	2000-01	2001-02	2002-03	2003-04	2004-05	2004-05	2004-05
Appendicectomy	7,666	7,241	7,380	7,001	6,714	-952	19,379	19,408	19,495	19,918	21,191	1,812			
Arthroscopic procedures (includes arthroscopies)	83,007	87,326	87,217	90,236	94,513	11,506	27,023	25,641	24,483	24,224	24,834	-2189			
Caesarean section	20,644	24,504	27,348	28,486	30,202	9,558	39,673	39,838	41,914	44,807	47,469	7,796			
Cholecystectomy	20,712	21,337	21,257	20,996	20,936	224	25,492	24,582	24,627	25,322	25,753	261			
Coronary artery bypass graft	7,046	7,173	6,760	6,583	6,058	-988	9,650	9,102	9,142	8,878	8,470	-1180			
Coronary angioplasty	10,116	11,636	13,943	15,674	15,928	5,812	12,006	12,183	13,598	15,530	17,401	5,395			
Diagnostic gastrointestinal endoscopy	342,464	349,979	367,946	373,870	386,693	44,229	198,577	190,521	191,636	186,856	186,364	-12213			
Hip replacement	12,441	14,229	15,003	15,660	15,385	2,944	11,227	11,821	12,274	12,818	13,145	1,918			
Revision of hip replacement	1,842	1,983	1,986	2,111	2,114	272	1,152	1,282	1,284	1,404	1,375	223			
Hysterectomy, aged 15-69	15,518	17,303	16,262	15,587	15,281	-237	15,605	14,163	13,483	13,624	13,213	-2392			
Knee replacement	13,590	16,350	17,579	18,812	19,944	6,354	7,440	8,361	8,851	9,476	10,457	3,017			
Lens insertion	92,364	98,522	105,660	109,324	118,379	26,015	40,385	43,387	46,379	47,001	51,642	11,257			
Myringotomy	18,033	18,193	17,922	17,855	18,129	96	16,203	15,076	14,691	14,122	13,807	-2396			
Prostatectomy	14,133	14,601	15,020	16,225	17,685	3,552	9,885	9,483	9,214	9,359	9,880	-5			
Tonsillectomy	14,222	18,153	17,661	17,430	18,129	3,907	15,963	15,713	15,428	15,163	15,537	-426			

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Postinpatient 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 3.

**Table 10.6: Separations<sup>(a)(b)</sup> for selected procedures<sup>(c)</sup>, by patient election status, Australia, 2000-01 to 2004-05**

Procedure	Private patients										Public patients				
											Change				
	2000-01	2001-02	2002-03	2003-04	2004-05	2004-05	2000-01 to 2004-05	2000-01	2001-02	2002-03	2003-04	2004-05	2004-05	2000-01 to 2004-05	
Appendectomy	9,681	9,259	9,354	9,414	9,358	9,358	-323	19,379	19,408	19,495	19,918	21,191	1,812		
Arthroscopic procedures (includes arthroscopies)	83,520	88,203	89,102	92,616	96,891	96,891	13,371	27,023	25,641	24,483	24,224	24,834	-2189		
Caesarean section	23,498	28,195	31,010	32,676	34,422	34,422	10,924	39,673	39,838	41,914	44,807	47,469	7,796		
Cholecystectomy	21,621	22,471	22,567	22,762	22,741	22,741	1,120	25,492	24,582	24,627	25,322	25,753	261		
Coronary artery bypass graft	8,415	8,430	8,036	7,690	7,169	7,169	-1246	9,650	9,102	9,142	8,878	8,470	-1180		
Coronary angioplasty	11,374	13,405	16,041	18,356	18,771	18,771	7,397	15,928	12,006	12,183	13,598	15,530	-398		
Diagnostic gastrointestinal endoscopy	357,823	365,799	385,234	394,869	407,796	407,796	49,973	198,577	190,521	191,636	186,856	186,364	-12213		
Hip replacement	13,511	15,388	16,450	17,546	17,270	17,270	3,759	11,227	11,821	12,274	12,818	13,145	1,918		
Revision of hip replacement	1,939	2,118	2,153	2,308	2,311	2,311	372	1,104	1,100	1,207	1,178	48	-1056		
Hysterectomy, aged 15-69	15,518	17,303	16,262	15,587	15,281	15,281	-237	15,605	14,163	13,483	13,624	13,213	-2392		
Knee replacement	13,590	16,350	17,579	18,812	19,944	19,944	6,354	7,440	8,361	8,851	9,476	10,457	3,017		
Lens insertion	92,364	98,522	105,660	109,324	118,379	118,379	26,015	40,385	43,387	46,379	47,001	51,642	11,257		
Myringotomy	18,033	18,193	17,922	17,855	18,129	18,129	96	16,203	15,076	14,691	14,122	13,807	-2396		
Prostatectomy	14,133	14,601	15,020	16,225	17,685	17,685	3,552	9,885	9,483	9,214	9,359	9,880	-5		
Tonsillectomy	14,222	18,153	17,661	17,430	18,129	18,129	3,907	15,963	15,713	15,428	15,163	15,537	-426		

(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 3.

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

**Table 10.7: Number of procedures<sup>(a)</sup> <sup>(b)</sup>, by ICD-10-AM chapter, public hospitals, states and territories, 2004–05**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	24,680	23,539	13,527	10,317	6,959	2,085	1,237	628	82,972
110–129	2,442	1,716	1,109	479	444	114	111	41	6,456
160–256	27,991	25,935	10,778	9,125	7,622	545	1,256	762	84,014
300–333	6,612	8,728	7,150	2,901	3,112	262	326	384	29,475
370–422	19,121	24,042	11,193	6,299	8,059	675	1,042	478	70,909
450–490	40,526	36,987	36,795	16,107	13,348	2,808	1,002	2,187	149,760
520–569	44,550	37,501	24,834	13,060	11,352	2,982	2,487	1,963	138,729
600–767	94,885	82,000	51,787	28,620	24,053	8,933	7,337	3,068	300,683
800–817	8,920	9,201	5,367	3,134	2,179	527	808	176	30,312
850–1011	177,688	140,177	72,214	53,987	46,823	9,566	7,466	4,503	512,424
1040–1129	241,800	241,189	125,223	83,809	60,258	14,360	18,051	33,603	818,293
1160–1203	11,746	13,165	5,402	4,142	3,757	773	461	399	39,845
1240–1299	63,726	68,234	36,626	19,726	22,653	2,797	2,456	2,816	219,034
1330–1347	102,213	74,319	64,027	36,777	22,997	5,440	5,136	3,533	314,442
1360–1579	92,759	82,255	51,293	29,012	22,847	6,914	5,774	4,298	295,152
1600–1718	66,214	67,127	57,984	25,639	28,282	4,368	3,046	4,682	257,342
1740–1759	6,979	6,415	3,920	3,805	1,646	438	257	167	23,627
1786–1799	4,067	3,437	1,381	878	1,273	177	144	1	11,358
1820–1922	1,212,853	1,073,501	536,139	334,466	293,863	73,708	56,207	30,891	3,611,628
1940–2016	212,341	141,449	70,365	39,046	35,251	11,456	8,435	4,902	523,245
<b>Total procedures</b>	<b>2,462,113</b>	<b>2,160,917</b>	<b>1,187,114</b>	<b>721,329</b>	<b>616,778</b>	<b>148,928</b>	<b>123,039</b>	<b>99,482</b>	<b>7,519,700</b>

(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<sup>(a) (b)</sup>, by ICD-10-AM chapter, private hospitals, states and territories, 2004–05**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	26,969	28,129	21,734	22,771	10,845	n.p.	n.p.	n.p.	113,653
110–129	2,369	1,318	1,448	710	480	n.p.	n.p.	n.p.	6,543
160–256	61,289	33,024	43,489	15,753	13,128	n.p.	n.p.	n.p.	173,635
300–333	9,448	5,792	5,914	3,941	3,836	n.p.	n.p.	n.p.	30,117
370–422	38,708	20,916	23,012	12,901	15,096	n.p.	n.p.	n.p.	114,699
450–490	92,297	72,474	65,909	58,760	31,058	n.p.	n.p.	n.p.	333,017
520–569	9,281	8,416	11,078	3,256	4,288	n.p.	n.p.	n.p.	37,279
600–767	70,000	64,715	60,441	17,659	18,212	n.p.	n.p.	n.p.	239,367
800–817	5,209	4,278	6,020	1,835	1,635	n.p.	n.p.	n.p.	19,855
850–1011	241,382	201,327	185,806	72,343	49,556	n.p.	n.p.	n.p.	769,860
1040–1129	69,272	54,516	79,097	49,179	27,558	n.p.	n.p.	n.p.	286,189
1160–1203	19,616	13,758	10,701	6,277	4,441	n.p.	n.p.	n.p.	57,565
1240–1299	83,868	76,436	62,242	23,773	17,623	n.p.	n.p.	n.p.	274,475
1330–1347	42,360	36,904	32,339	24,115	9,997	n.p.	n.p.	n.p.	152,523
1360–1579	102,758	94,054	64,405	44,877	38,093	n.p.	n.p.	n.p.	359,746
1600–1718	86,514	71,207	82,042	31,532	35,113	n.p.	n.p.	n.p.	317,955
1740–1759	11,868	9,218	9,575	5,145	3,235	n.p.	n.p.	n.p.	40,655
1786–1799	906	900	954	132	655	n.p.	n.p.	n.p.	3,607
1820–1922	848,581	684,451	706,953	293,153	221,396	n.p.	n.p.	n.p.	2,841,653
1940–2016	34,144	41,139	41,673	17,496	11,264	n.p.	n.p.	n.p.	149,717
<b>Total procedures</b>	<b>1,856,839</b>	<b>1,522,972</b>	<b>1,514,832</b>	<b>705,608</b>	<b>517,509</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>6,322,110</b>

(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.  
n.p. Not published.

**Table 10.9: Separation<sup>(a)</sup> and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of overnight separations, public hospitals, Australia, 2004-05**

Procedure block	Separations	Public patient separations	Patient days	ALOS (days)	Total procedures reported
1916 Generalised allied health interventions	778,933	642,339	8,971,431	11.5	1,513,990
1910 Cerebral anaesthesia	549,270	462,017	3,519,177	6.4	619,544
1952 Computerised tomography of brain	121,911	96,133	1,448,346	11.9	125,001
1893 Transfusion of blood and gamma globulin	109,903	88,219	1,520,348	13.8	134,091
1909 Conduction anaesthesia	98,249	83,872	706,341	7.2	100,433
1920 Pharmacotherapy	76,814	63,749	1,020,162	13.3	100,018
1912 Postprocedural analgesia	64,460	54,003	539,366	8.4	66,248
1344 Postpartum suture	52,275	48,253	172,812	3.3	53,336
738 Venous catheterisation	47,964	38,969	1,033,898	21.6	53,872
1340 Caesarean section	47,327	42,400	245,993	5.2	47,355
1963 Computerised tomography of abdomen and pelvis	45,963	36,841	531,269	11.6	46,974
1334 Medical or surgical induction of labour	43,135	39,477	172,372	4.0	44,172
1335 Medical or surgical augmentation of labour	42,201	39,381	140,713	3.3	42,257
1333 Analgesia and anaesthesia during labour and delivery procedure	36,831	33,373	155,980	4.2	36,917
2015 Magnetic resonance imaging	31,598	24,921	467,219	14.8	34,651
668 Coronary angiography	31,332	25,584	209,082	6.7	31,698
1962 Computerised tomography of abdomen	29,572	24,194	312,729	10.6	30,107
569 Continuous ventilatory support	28,223	22,783	601,386	21.3	54,088
1966 Other computerised tomography	25,633	20,659	320,405	12.5	26,714
965 Cholecystectomy	25,133	22,771	104,483	4.2	25,175
1960 Computerised tomography of chest	22,998	18,376	340,760	14.8	23,433
607 Examination procedures on ventricle	21,236	17,412	133,703	6.3	21,315
926 Appendectomy	21,077	18,079	83,633	4.0	21,187
1343 Other procedures associated with delivery	18,754	16,714	70,079	3.7	18,915
1959 Computerised tomography of spine	18,650	11,769	199,473	10.7	19,895
1008 Panendoscopy with excision	18,555	15,681	182,503	9.8	18,850
1341 Fetal monitoring	18,471	17,594	71,922	3.9	19,238
1566 Excision procedures on other musculoskeletal sites	18,095	13,276	225,234	12.4	24,061
986 Division of abdominal adhesions	17,542	15,113	163,138	9.3	17,774
1635 Repair of wound of skin and subcutaneous tissue	17,256	12,984	118,082	6.8	20,447
Other	1,318,877	1,090,819	13,790,143	10.5	1,412,090
No procedure or not reported	710,460	620,681	3,127,120	4.4	..
<b>Total<sup>(b)</sup></b>	<b>2,177,080</b>	<b>1,854,996</b>	<b>14,563,059</b>	<b>6.7</b>	<b>4,803,846</b>

(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.

Note: A similar listing of all procedures in ICD-10-AM blocks is provided on the Internet at [www.aihw.gov.au](http://www.aihw.gov.au).

**Table 10.10: Separation<sup>(a)</sup> and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of overnight separations, private hospitals, Australia, 2004-05**

Procedure block	Public patient separations		Patient days		ALOS (days)		Total procedures reported
	Separations	Public patient separations	Patient days	ALOS (days)	ALOS (days)	Total procedures reported	
1910 Cerebral anaesthesia	511,926	6,870	2,136,205	4.2	4.2	541,422	
1916 Generalised allied health interventions	296,117	6,988	2,936,374	9.9	9.9	431,759	
1909 Conduction anaesthesia	103,384	1,269	615,834	6.0	6.0	105,292	
1912 Postprocedural analgesia	55,549	1,497	387,552	7.0	7.0	56,917	
1893 Transfusion of blood and gamma globulin	52,361	698	594,398	11.4	11.4	59,647	
668 Coronary angiography	33,603	15	143,328	4.3	4.3	34,007	
1828 Sleep study	30,190	0	33,869	1.1	1.1	30,432	
1340 Caesarean section	30,160	497	176,425	5.8	5.8	30,171	
607 Examination procedures on ventricle	28,244	15	116,251	4.1	4.1	28,314	
1333 Analgesia and anaesthesia during labour and delivery procedure	25,083	623	126,144	5.0	5.0	25,117	
1920 Pharmacotherapy	24,666	425	236,982	9.6	9.6	27,234	
1334 Medical or surgical induction of labour	22,234	522	107,646	4.8	4.8	22,806	
1344 Postpartum suture	21,568	376	96,479	4.5	4.5	21,692	
990 Repair of inguinal hernia	20,768	289	34,236	1.6	1.6	20,831	
965 Cholecystectomy	20,698	573	63,298	3.1	3.1	20,736	
1952 Computerised tomography of brain	18,328	821	236,208	12.9	12.9	18,796	
412 Tonsilectomy or adenoidectomy	17,429	194	18,874	1.1	1.1	17,465	
1518 Arthroplasty of knee	17,211	321	139,812	8.1	8.1	17,546	
957 Examination of gallbladder or biliary tract	16,265	503	45,807	2.8	2.8	16,469	
986 Division of abdominal adhesions	15,785	307	111,381	7.1	7.1	15,949	
1335 Medical or surgical augmentation of labour	15,259	335	70,602	4.6	4.6	15,302	
1620 Excision of lesion of skin and subcutaneous tissue	15,009	154	56,682	3.8	3.8	28,089	
1489 Arthroplasty of hip	14,242	231	130,261	9.1	9.1	14,327	
671 Transluminal coronary angioplasty with stenting	13,837	14	44,733	3.2	3.2	14,255	
1915 Other client support interventions	13,757	802	155,724	11.3	11.3	14,353	
738 Venous catheterisation	12,809	149	245,014	19.1	19.1	14,129	
1165 Transurethral prostatectomy	12,752	222	56,463	4.4	4.4	12,796	
1089 Examination procedures on bladder	12,474	186	54,203	4.3	4.3	12,577	
1963 Computerised tomography of abdomen and pelvis	12,418	239	137,492	11.1	11.1	12,669	
1343 Other procedures associated with delivery	12,238	208	57,708	4.7	4.7	12,280	
Other	943,068	14,785	6,076,865	6.4	6.4	1,027,714	
No procedure or not reported	139,015	7,240	660,349	4.8	4.8	..	
<b>Total<sup>(b)</sup></b>	<b>996,046</b>	<b>23,178</b>	<b>5,425,491</b>	<b>5.4</b>	<b>5.4</b>	<b>2,721,093</b>	

(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.

Note: A similar listing of all procedures in ICD-10-AM blocks is provided on the internet at [www.aihw.gov.au](http://www.aihw.gov.au).

**Table 10.11: Separation<sup>(a)</sup> and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of same day separations, public hospitals, Australia, 2004-05**

Procedure block	Separations	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Total procedures reported
1060 Haemodialysis	664,611	592,624	328.9	665,399
1910 Cerebral anaesthesia	539,593	458,172	267.0	540,427
1920 Pharmacotherapy	155,319	135,070	76.9	158,421
1008 Panendoscopy with excision	57,437	50,192	28.4	57,723
905 Fiberoptic colonoscopy	56,922	49,963	28.2	56,964
1893 Transfusion of blood and gamma globulin	51,782	43,516	25.6	53,716
197 Extracapsular crystalline lens extraction by phacoemulsification	46,248	36,782	22.9	46,263
1620 Excision of lesion of skin and subcutaneous tissue	43,129	38,230	21.3	62,666
911 Fiberoptic colonoscopy with excision	43,101	38,130	21.3	44,949
1909 Conduction anaesthesia	42,668	35,359	21.1	42,750
1265 Curettage of uterus	33,881	30,160	16.8	33,905
1916 Generalised allied health interventions	29,088	26,142	14.4	35,297
1089 Examination procedures on bladder	26,093	23,593	12.9	26,104
1259 Examination procedures on uterus	24,199	21,269	12.0	24,224
1267 Evacuation of gravid uterus	23,118	19,898	11.4	23,719
1005 Panendoscopy	21,076	18,235	10.4	21,090
1952 Computerised tomography of brain	20,997	18,553	10.4	21,032
1921 Loading of drug delivery device	18,293	16,418	9.1	18,685
668 Coronary angiography	13,035	10,606	6.4	13,041
766 Vascular infusion device and pump	12,468	11,390	6.2	12,543
458 Surgical removal of tooth	12,266	7,352	6.1	39,653
1635 Repair of wound of skin and subcutaneous tissue	11,679	10,078	5.8	12,698
457 Nonsurgical removal of tooth	11,378	10,035	5.6	41,668
309 Myringotomy	10,997	9,178	5.4	11,108
1275 Destruction procedures on cervix	10,982	9,919	5.4	11,601
607 Examination procedures on ventricle	10,768	8,775	5.3	10,774
76 Release of carpal and tarsal tunnel	10,761	9,570	5.3	11,148
1907 Electroconvulsive therapy	10,731	10,310	5.3	10,735
1888 Hyperbaric oxygen therapy	10,593	7,457	5.2	10,595
1554 Other application, insertion or removal procedures on other musculoskeletal sites	10,433	8,865	5.2	10,966
Other	526,524	449,184	260.5	586,246
No procedure or not reported	394,687	362,952	197.4	..
<b>Total<sup>(c)</sup></b>	<b>2,099,394</b>	<b>1,850,836</b>	<b>1,049.8</b>	<b>2,716,110</b>

(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 2004.

(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](http://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, 2004-05**

Procedure block	Separations	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Total procedures reported
1910 Cerebral anaesthesia	1,014,397	12,249	501.9	1,015,370
905 Fiberoptic colonoscopy	163,982	1,383	81.1	164,039
1008 Panendoscopy with excision	159,876	1,301	79.1	161,057
1920 Pharmacotherapy	156,553	6,663	77.5	175,482
1060 Haemodialysis	141,824	40,762	70.2	141,832
911 Fiberoptic colonoscopy with excision	133,405	1,525	66.0	137,722
197 Extracapsular crystalline lens extraction by phacoemulsification	101,258	3,086	50.1	101,286
1620 Excision of lesion of skin and subcutaneous tissue	76,998	864	38.1	127,015
458 Surgical removal of tooth	70,034	36	34.7	210,964
1909 Conduction anaesthesia	67,175	2,563	33.2	67,390
1916 Generalised allied health interventions	52,735	45	26.1	65,397
1005 Panendoscopy	45,043	394	22.3	45,061
1267 Evacuation of gravid uterus	43,949	228	21.7	44,012
1297 Procedures for reproductive medicine	36,813	573	18.2	38,038
1265 Curettage of uterus	35,779	467	17.7	35,821
1089 Examination procedures on bladder	33,570	1,393	16.6	33,579
1259 Examination procedures on uterus	28,450	301	14.1	28,491
1890 Therapeutic interventions on cardiovascular system	27,898	36	13.8	27,923
1873 Psychological/psychosocial therapies	27,848	2	13.8	30,442
1517 Arthroscopic meniscectomy of knee with repair	26,575	218	13.1	27,048
1921 Loading of drug delivery device	26,484	444	13.1	29,658
1893 Transfusion of blood and gamma globulin	23,379	370	11.6	24,434
668 Coronary angiography	19,409	1,469	9.6	19,421
1651 Local skin flap, simple and small, single stage	17,594	93	8.7	19,826
309 Myringotomy	16,053	136	7.9	16,164
607 Examination procedures on ventricle	15,884	925	7.9	15,891
941 Procedures for haemorrhoids	15,624	50	7.7	16,879
76 Release of carpal and tarsal tunnel	15,119	186	7.5	16,513
1503 Arthroscopic excision of knee	13,745	84	6.8	14,477
766 Vascular infusion device and pump	12,454	158	6.2	12,587
Other	626,425	10,265	310.0	738,099
No procedure or not reported	74,306	2,723	37.2	..
<b>Total<sup>(c)</sup></b>	<b>1,747,830</b>	<b>69,100</b>	<b>874.0</b>	<b>3,601,918</b>

(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 2004.

(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](http://www.aihw.gov.au).

**Table 10.13: Separation<sup>(a)</sup> and procedure statistics for the 30 ICD-10-AM procedure blocks with the highest number of separations, private free-standing day hospitals, Australia, 2004-05**

Procedure block	Separations	Same day separations	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Total procedures reported
1910 Cerebral anaesthesia	306,611	306,561	869	151.7	306,938
1008 Panendoscopy with excision	70,388	70,386	0	34.8	70,735
905 Fiberoptic colonoscopy	67,136	67,136	0	33.2	67,159
197 Extracapsular crystalline lens extraction by phacoemulsification	53,108	53,107	302	26.3	53,126
911 Fiberoptic colonoscopy with excision	52,381	52,379	0	25.9	53,842
1060 Haemodialysis	43,111	43,111	15,886	21.3	43,116
1920 Pharmacotherapy	37,252	37,252	380	18.4	55,344
1267 Evacuation of gravid uterus	34,635	34,635	17	17.1	34,662
1620 Excision of lesion of skin and subcutaneous tissue	30,004	30,004	259	14.8	47,831
1909 Conduction anaesthesia	28,144	28,135	734	13.9	28,220
1005 Panendoscopy	23,366	23,365	0	11.6	23,369
1890 Therapeutic interventions on cardiovascular system	19,376	19,376	1	9.6	19,378
1297 Procedures for reproductive medicine	17,909	17,909	571	8.9	19,028
458 Surgical removal of tooth	14,458	14,458	4	7.2	40,273
1893 Transfusion of blood and gamma globulin	8,292	8,288	0	4.1	8,981
1651 Local skin flap, simple and small, single stage	6,776	6,776	45	3.4	7,544
457 Nonsurgical removal of tooth	4,599	4,597	0	2.3	9,050
668 Coronary angiography	4,231	4,231	1,119	2.1	4,234
1884 Immunisation	4,102	4,102	0	2.0	4,102
941 Procedures for haemorrhoids	4,009	4,009	0	2.0	4,382
1888 Hyperbaric oxygen therapy	3,994	3,994	970	2.0	3,994
1265 Curettage of uterus	3,830	3,830	10	1.9	3,842
1649 Other full thickness skin graft	3,577	3,577	69	1.8	3,769
466 Tooth coloured adhesive restoration, direct	3,433	3,432	0	1.7	11,208
1259 Examination procedures on uterus	2,923	2,923	12	1.4	2,926
1089 Examination procedures on bladder	2,779	2,779	0	1.4	2,779
173 Keratoplasty	2,776	2,776	0	1.4	4,062
1517 Arthroscopic meniscectomy of knee with repair	2,770	2,762	0	1.4	2,815
172 Other excision procedures on cornea	2,573	2,573	4	1.3	2,601
862 Dilation of oesophagus	2,506	2,506	0	1.2	2,506
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.
<b>Total<sup>(c)</sup></b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>

(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 2004.

(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 due to confidentiality concerns.

.. Not applicable.

**Table 10.14: Separations<sup>(a)</sup> for the 30 ICD-10-AM procedure blocks with the highest number of separations, public hospitals, states and territories, 2004–05**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	356,731	316,419	165,453	103,027	98,238	20,799	16,798	11,398	1,088,863
1916 Generalised allied health interventions	293,438	212,894	126,524	75,082	64,079	15,757	13,208	7,039	808,021
1060 Haemodialysis	194,878	204,534	103,429	67,884	47,932	11,602	15,942	32,463	678,664
1920 Pharmacotherapy	42,074	89,807	36,293	28,159	23,908	6,409	3,633	1,850	232,133
1893 Transfusion of blood and gamma globulin	54,061	47,063	24,029	15,140	14,246	3,451	2,365	1,330	161,685
1952 Computerised tomography of brain	55,015	40,836	20,538	10,051	9,934	2,992	2,146	1,396	142,908
1909 Conduction anaesthesia	45,822	43,295	23,019	11,223	10,934	2,673	2,186	1,765	140,917
1008 Panendoscopy with excision	26,719	21,172	8,677	9,238	7,071	1,046	1,252	817	75,992
905 Fiberoptic colonoscopy	25,117	19,722	8,636	8,080	7,228	1,134	680	521	71,118
1912 Postprocedural analgesia	27,401	10,699	10,088	8,038	4,570	1,754	2,074	80	64,704
911 Fibreoptic colonoscopy with excision	19,564	14,202	5,714	7,835	4,735	781	832	424	54,087
1344 Postpartum suture	21,581	12,436	8,878	4,260	3,497	956	1,168	707	53,483
1620 Excision of lesion of skin and subcutaneous tissue	13,371	15,707	11,479	4,847	5,918	1,163	441	279	53,205
738 Venous catheterisation	17,900	11,922	10,787	4,489	3,969	1,399	1,194	961	52,621
1963 Computerised tomography of abdomen and pelvis	21,060	15,847	6,268	2,135	3,306	1,218	507	690	51,031
197 Extracapsular crystalline lens extraction by phacoemulsification	17,198	15,150	5,745	4,802	4,615	192	992	354	49,048
1340 Caesarean section	16,327	11,981	9,270	3,927	3,586	883	785	710	47,469
1334 Medical or surgical induction of labour	14,938	11,562	8,078	4,326	3,523	937	575	508	44,447
668 Coronary angiography	15,022	10,712	6,385	5,212	4,246	1,202	1,262	326	44,367
1335 Medical or surgical augmentation of labour	15,955	10,062	8,830	3,208	2,977	784	816	620	43,252
1265 Curettage of uterus	12,914	13,271	5,414	3,431	2,800	284	468	296	38,878
1333 Analgesia and anaesthesia during labour and delivery procedure	12,342	8,624	6,620	4,239	3,513	691	722	332	37,083
2015 Magnetic resonance imaging	13,149	10,521	4,866	2,823	2,714	864	701	313	35,951
1005 Panendoscopy	10,545	11,592	5,012	3,570	4,017	754	195	199	35,884
1089 Examination procedures on bladder	8,415	11,068	5,007	4,803	4,014	753	414	235	34,709
1962 Computerised tomography of abdomen	14,497	6,477	5,179	3,571	2,149	354	1,124	354	33,705
607 Examination procedures on ventricle	9,138	8,402	4,664	4,473	3,135	807	1,089	296	32,004
569 Continuous ventilatory support	10,349	8,325	5,004	2,632	2,597	631	652	542	30,732
1267 Evacuation of gravid uterus	7,219	9,021	3,235	2,049	5,861	459	281	1,139	29,264
1635 Repair of wound of skin and subcutaneous tissue	7,362	6,553	9,305	2,965	1,385	375	451	539	28,935
Other	667,134	569,131	351,647	178,871	178,871	43,840	30,859	20,423	2,063,248
No procedure or not reported	380,265	282,827	222,414	73,761	93,289	23,348	10,331	18,912	1,105,147
<b>Total<sup>(c)</sup></b>	<b>1,344,246</b>	<b>1,223,429</b>	<b>733,761</b>	<b>383,260</b>	<b>365,596</b>	<b>86,604</b>	<b>63,638</b>	<b>75,891</b>	<b>4,276,425</b>

(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 10.15: Separations<sup>(a)</sup> for the 30 ICD-10-AM procedure blocks with the highest number of separations, private hospitals, states and territories, 2004–05**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	473,327	376,334	352,579	153,979	117,222	n.p.	n.p.	n.p.	1,526,323
1916 Generalised allied health interventions	109,204	87,787	75,600	30,465	35,055	n.p.	n.p.	n.p.	348,852
1920 Pharmacotherapy	34,280	48,016	55,547	22,813	14,418	n.p.	n.p.	n.p.	181,219
905 Fiberoptic colonoscopy	56,566	51,623	40,683	12,312	11,032	n.p.	n.p.	n.p.	175,814
1008 Panendoscopy with excision	56,234	43,494	44,021	15,491	8,606	n.p.	n.p.	n.p.	171,133
1909 Conduction anaesthesia	57,593	41,322	39,549	14,889	10,993	n.p.	n.p.	n.p.	170,559
1060 Haemodialysis	20,608	26,113	48,053	31,998	16,665	n.p.	n.p.	n.p.	143,469
911 Fiberoptic colonoscopy with excision	46,924	34,212	34,352	17,295	7,339	n.p.	n.p.	n.p.	143,058
197 Extracapsular crystalline lens extraction by phacoemulsification	40,898	20,272	26,765	9,755	7,937	n.p.	n.p.	n.p.	110,411
1620 Excision of lesion of skin and subcutaneous tissue	25,981	19,980	23,456	8,816	9,816	n.p.	n.p.	n.p.	92,007
1893 Transfusion of blood and gamma globulin	15,023	19,127	24,284	7,892	7,371	n.p.	n.p.	n.p.	75,740
458 Surgical removal of tooth	21,175	20,158	14,710	10,069	5,559	n.p.	n.p.	n.p.	73,860
1912 Postprocedural analgesia	17,738	7,813	13,451	9,678	5,840	n.p.	n.p.	n.p.	55,744
668 Coronary angiography	18,091	13,189	12,548	3,608	3,611	n.p.	n.p.	n.p.	53,012
1005 Panendoscopy	10,973	21,480	10,849	3,079	4,575	n.p.	n.p.	n.p.	51,730
1089 Examination procedures on bladder	13,190	10,604	10,643	5,848	3,461	n.p.	n.p.	n.p.	46,044
1267 Evacuation of gravid uterus	9,641	16,293	14,378	3,617	800	n.p.	n.p.	n.p.	45,203
607 Examination procedures on ventricle	13,564	11,249	11,184	3,397	3,119	n.p.	n.p.	n.p.	44,128
1265 Curettage of uterus	13,007	12,323	7,740	3,649	2,549	n.p.	n.p.	n.p.	40,763
1297 Procedures for reproductive medicine	14,754	8,718	8,321	907	1,832	n.p.	n.p.	n.p.	36,852
1873 Psychological/psychosocial therapies	15,747	4,299	11,865	4,557	321	n.p.	n.p.	n.p.	36,794
1517 Arthroscopic meniscectomy of knee with repair	8,811	7,685	5,555	3,678	4,907	n.p.	n.p.	n.p.	32,244
1259 Examination procedures on uterus	9,227	9,532	6,531	3,010	2,549	n.p.	n.p.	n.p.	32,143
1890 Therapeutic interventions on cardiovascular system	1,657	4,937	21,397	1,210	1,072	n.p.	n.p.	n.p.	30,490
1828 Sleep study	10,234	9,098	6,258	1,066	2,612	n.p.	n.p.	n.p.	30,338
1340 Caesarean section	7,643	7,195	7,506	4,458	2,074	n.p.	n.p.	n.p.	30,202
1921 Loading of drug delivery device	3,095	9,867	8,959	3,689	2,944	n.p.	n.p.	n.p.	29,362
1333 Analgesia and anaesthesia during labour and delivery procedure	7,832	5,549	4,601	4,174	2,138	n.p.	n.p.	n.p.	25,111
990 Repair of inguinal hernia	8,116	5,587	5,601	2,681	1,844	n.p.	n.p.	n.p.	25,029
412 Tonsillectomy or adenoidectomy	8,538	4,170	5,355	2,387	2,006	n.p.	n.p.	n.p.	23,284
Other	533,903	413,966	411,294	216,453	162,416	n.p.	n.p.	n.p.	1,804,846
No procedure or not reported	32,266	72,967	56,739	25,370	14,460	n.p.	n.p.	n.p.	213,321
<b>Total<sup>(b)</sup></b>	<b>747,198</b>	<b>704,267</b>	<b>676,846</b>	<b>308,715</b>	<b>211,829</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>2,742,425</b>

(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.

n.p. Not published.

**Table 10.16: Average length of stay<sup>(a)</sup> (days) for the 30 ICD-10-AM procedure blocks with the highest number of separations, public hospitals, states and territories, 2004-05**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	4.1	3.3	3.9	3.6	3.5	4.2	4.2	4.6	3.7
1916 Generalised allied health interventions	11.5	11.0	10.5	11.2	11.3	11.2	10.7	11.6	11.1
1060 Haemodialysis	1.3	1.2	1.3	1.3	1.2	1.2	1.2	1.2	1.2
1920 Pharmacotherapy	8.3	3.9	5.5	4.3	3.8	4.5	6.6	6.7	5.1
1893 Transfusion of blood and gamma globulin	10.8	8.5	9.5	9.8	9.0	9.3	11.3	14.6	9.7
1952 Computerised tomography of brain	10.8	8.6	9.8	12.9	12.0	10.2	11.4	10.3	10.3
1909 Conduction anaesthesia	5.2	5.0	5.3	7.0	5.2	6.5	4.9	6.4	5.3
1008 Panendoscopy with excision	3.5	2.8	3.5	2.6	3.0	4.2	4.6	4.1	3.2
905 Fiberoptic colonoscopy	2.6	2.4	2.8	2.0	2.2	2.9	2.7	2.6	2.5
1912 Postprocedural analgesia	8.2	8.8	7.8	7.7	9.5	9.3	9.1	16.7	8.3
911 Fiberoptic colonoscopy with excision	2.9	2.4	3.2	2.2	2.6	3.2	3.4	2.6	2.7
1344 Postpartum suture	3.3	3.2	2.9	3.6	3.3	3.3	3.1	4.0	3.3
1620 Excision of lesion of skin and subcutaneous tissue	2.7	1.8	1.6	2.0	1.8	1.6	1.8	3.3	2.0
738 Venous catheterisation	20.6	20.2	17.7	21.1	19.5	17.4	18.5	21.3	19.7
1963 Computerised tomography of abdomen and pelvis	10.8	9.9	10.1	12.2	11.4	9.8	9.1	12.0	10.5
197 Extracapsular crystalline lens extraction by phacoemulsification	1.1	1.1	1.1	1.1	1.0	1.3	1.0	1.5	1.1
1340 Caesarean section	5.4	5.2	4.4	5.6	5.7	4.9	5.7	6.2	5.2
1334 Medical or surgical induction of labour	4.1	3.8	3.5	4.1	4.1	4.0	4.1	4.6	3.9
668 Coronary angiography	6.3	4.7	4.9	3.6	3.9	4.5	2.3	9.3	5.0
1335 Medical or surgical augmentation of labour	3.4	3.3	2.8	3.7	3.4	3.4	3.3	4.1	3.3
1265 Curettage of uterus	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.7	1.2
1333 Analgesia and anaesthesia during labour and delivery procedure	4.3	4.2	3.8	4.4	4.3	4.1	4.2	4.9	4.2
2015 Magnetic resonance imaging	13.6	12.0	13.0	13.8	13.6	14.3	14.5	16.8	13.1
1005 Panendoscopy	6.8	4.9	7.0	5.1	4.5	6.3	10.4	8.3	5.8
1089 Examination procedures on bladder	2.4	2.1	2.2	2.7	2.1	2.8	3.3	3.6	2.3
1962 Computerised tomography of abdomen	9.9	7.5	9.6	10.7	9.1	8.0	10.7	9.1	9.4
607 Examination procedures on ventricle	5.8	4.3	4.3	3.3	3.6	4.5	2.2	9.4	4.5
569 Continuous ventilatory support	19.1	18.8	19.6	22.3	22.8	18.0	17.9	20.2	19.7
1267 Evacuation of gravid uterus	1.1	1.0	1.2	1.1	1.0	1.1	1.1	1.1	1.1
1635 Repair of wound of skin and subcutaneous tissue	4.8	3.9	4.4	4.5	4.9	5.4	5.4	5.6	4.5
<b>Total</b>	<b>4.3</b>	<b>3.5</b>	<b>3.7</b>	<b>3.8</b>	<b>4.1</b>	<b>4.4</b>	<b>3.6</b>	<b>3.0</b>	<b>3.9</b>

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

**Table 10.17: Average length of stay<sup>(a)</sup> (days) for the 30 ICD-10-AM procedure blocks with the highest number of separations, private hospitals, states and territories, 2004-05**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	1.9	2.1	2.1	2.2	2.2	n.p.	n.p.	n.p.	2.1
1916 Generalised allied health interventions	7.6	9.3	9.3	9.8	7.2	n.p.	n.p.	n.p.	8.6
1920 Pharmacotherapy	1.9	2.2	2.3	2.2	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
1008 Panendoscopy with excision	1.2	1.4	1.6	1.7	1.6	n.p.	n.p.	n.p.	1.4
1909 Conduction anaesthesia	3.1	4.3	4.2	5.8	4.0	n.p.	n.p.	n.p.	4.0
1060 Haemodialysis	1.2	1.2	1.2	1.0	1.2	n.p.	n.p.	n.p.	1.2
911 Fiberoptic colonoscopy with excision	1.2	1.3	1.4	1.4	1.6	n.p.	n.p.	n.p.	1.3
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	1.4	1.5	1.7	1.3	n.p.	n.p.	n.p.	1.5
1893 Transfusion of blood and gamma globulin	8.7	8.5	7.1	8.7	8.6	n.p.	n.p.	n.p.	8.2
458 Surgical removal of tooth	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.p.	1.0
1912 Postprocedural analgesia	6.4	7.6	7.2	7.3	6.3	n.p.	n.p.	n.p.	7.0
668 Coronary angiography	2.4	3.3	3.8	3.2	3.8	n.p.	n.p.	n.p.	3.1
1005 Panendoscopy	1.9	1.7	2.9	3.1	2.1	n.p.	n.p.	n.p.	2.1
1089 Examination procedures on bladder	1.7	1.8	2.1	2.2	2.0	n.p.	n.p.	n.p.	1.9
1267 Evacuation of gravid uterus	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.p.	1.0
607 Examination procedures on ventricle	2.4	3.1	3.6	3.1	3.5	n.p.	n.p.	n.p.	3.0
1265 Curettage of uterus	1.1	1.1	1.1	1.2	1.2	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	5.8	11.6	3.0	4.1	13.1	n.p.	n.p.	n.p.	5.5
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
1890 Therapeutic interventions on cardiovascular system	3.4	1.7	1.3	3.3	2.7	n.p.	n.p.	n.p.	1.6
1828 Sleep study	1.0	1.0	1.4	1.2	1.1	n.p.	n.p.	n.p.	1.1
1340 Caesarean section	5.8	5.8	5.3	6.7	6.1	n.p.	n.p.	n.p.	5.8
1921 Loading of drug delivery device	1.4	1.4	1.9	1.5	1.7	n.p.	n.p.	n.p.	1.6
1333 Analgesia and anaesthesia during labour and delivery procedure	5.0	4.9	4.8	5.4	5.2	n.p.	n.p.	n.p.	5.0
990 Repair of inguinal hernia	1.6	1.6	1.4	1.7	1.8	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
<b>Total</b>	<b>2.5</b>	<b>2.6</b>	<b>2.7</b>	<b>2.6</b>	<b>2.6</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>2.6</b>

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

**Table 10.18: Separations<sup>(a)</sup> for males for the 30 ICD-10-AM procedure blocks with the highest number of separations, by age group, all hospitals, Australia, 2004-05**

Procedure block	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total <sup>(b)</sup>
1910 Cerebral anaesthesia	10,037	43,857	71,576	94,063	98,196	131,519	167,355	211,471	194,363	152,991	29,346	1,204,764
1916 Generalised allied health interventions	9,196	6,160	12,348	26,812	31,462	38,437	52,102	77,167	98,024	120,492	47,200	519,401
1060 Haemodialysis	6	72	198	7,560	23,016	46,283	72,485	98,814	117,309	108,490	11,430	485,663
1920 Pharmacotherapy	17,020	3,691	5,474	4,800	6,350	11,107	22,735	43,475	47,682	31,127	4,053	197,514
1909 Conduction anaesthesia	1,699	2,625	3,074	4,544	4,701	6,436	11,110	22,782	32,806	34,603	7,621	132,001
1893 Transfusion of blood and gamma globulin	1,797	1,586	3,286	3,673	3,889	5,770	10,976	19,560	27,693	31,215	9,652	119,097
905 Fiberoptic colonoscopy	3	21	95	1,557	5,772	14,154	23,268	27,422	21,943	14,336	2,218	110,789
1008 Panendoscopy with excision	161	681	1,751	4,265	8,499	14,620	20,333	23,944	20,010	13,947	2,431	110,642
911 Fiberoptic colonoscopy with excision	25	116	458	2,244	4,639	9,914	18,054	25,904	22,995	13,997	1,803	100,149
1952 Computerised tomography of brain	561	1,119	2,300	6,649	6,686	6,808	8,079	10,724	13,831	19,843	8,180	84,781
1620 Excision of lesion of skin and subcutaneous tissue	207	692	1,688	2,121	3,208	6,014	9,902	14,302	15,159	17,782	5,486	76,561
197 Extracapsular crystalline lens extraction by phacoemulsification	1	5	22	84	174	653	2,746	8,319	19,652	28,777	5,536	65,969
668 Coronary angiography	43	54	63	89	566	3,191	10,301	18,353	18,043	11,890	1,127	63,720
607 Examination procedures on ventricle	65	64	57	68	432	2,535	8,204	14,706	13,860	8,526	742	49,259
1089 Examination procedures on bladder	108	164	346	588	1,243	2,340	4,544	9,380	12,875	12,699	3,125	47,392
1912 Postprocedural analgesia	167	270	1,339	3,297	3,226	3,772	5,650	9,783	10,578	6,912	893	45,887
1005 Panendoscopy	20	101	190	1,154	2,452	4,247	6,538	8,491	8,637	7,448	1,770	41,048
990 Repair of inguinal hernia	1,460	1,674	1,334	1,677	2,922	4,551	6,514	8,196	6,814	4,546	818	40,506
458 Surgical removal of tooth	2	586	3,086	16,615	7,644	3,783	2,434	1,744	898	654	142	37,588
738 Venous catheterisation	3,629	472	747	1,423	1,811	2,613	4,270	6,779	7,769	6,526	1,330	37,369
1963 Computerised tomography of abdomen and pelvis	10	81	427	1,845	2,765	3,587	4,696	5,423	5,887	5,979	1,845	32,545
1566 Excision procedures on other musculoskeletal sites	43	608	1,365	3,881	3,955	4,144	4,350	4,264	2,839	2,294	616	28,359
1828 Sleep study	150	505	579	428	1,640	4,128	6,385	6,552	3,445	1,634	116	25,562
1921 Loading of drug delivery device	36	406	656	441	424	1,308	3,623	6,951	7,382	3,163	224	24,614
1890 Therapeutic interventions on cardiovascular system	76	87	243	456	473	1,491	3,865	6,968	6,863	3,280	399	24,201
2015 Magnetic resonance imaging	826	1,267	1,365	1,215	1,599	2,221	2,911	3,992	4,124	3,505	723	23,748
671 Transluminal coronary angioplasty with stenting	0	0	1	5	111	1,189	4,347	7,202	6,357	3,953	406	23,571
1517 Arthroscopic meniscectomy of knee with repair	0	0	54	1,093	2,159	4,315	6,074	5,531	2,401	801	41	22,469
1962 Computerised tomography of abdomen	13	55	325	1,232	1,823	2,649	3,365	3,929	4,059	3,898	1,062	22,410
412 Tonsillectomy or adenoidectomy	52	7,602	9,013	2,449	1,065	578	246	102	47	23	1	21,178
Other	48,070	57,369	97,041	124,628	139,801	177,156	220,017	290,960	286,086	242,761	57,165	1,741,054
Procedure reported	41,060	55,632	92,723	140,112	183,965	255,964	359,520	492,577	517,718	465,794	104,012	2,700,027
No procedure or not reported	36,663	42,329	37,158	48,276	57,327	63,049	64,317	71,810	70,756	74,965	26,055	592,709
<b>Total<sup>(c)</sup></b>	<b>77,723</b>	<b>97,961</b>	<b>129,881</b>	<b>188,388</b>	<b>232,241</b>	<b>319,013</b>	<b>423,837</b>	<b>564,387</b>	<b>588,474</b>	<b>540,759</b>	<b>130,067</b>	<b>3,292,736</b>

(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<sup>(a)</sup> for females for the 30 ICD-10-AM procedure blocks with the highest number of separations, by age group, all hospitals, Australia, 2004-05**

Procedure block	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total <sup>(b)</sup>
1910 Cerebral anaesthesia	4,890	27,197	51,559	122,567	171,643	207,811	219,442	212,920	186,044	163,661	42,671	1,410,405
1916 Generalised allied health interventions	7,365	4,975	9,954	36,643	73,959	54,751	52,739	68,988	92,261	146,745	89,067	637,447
1060 Haemodialysis	3	3	540	5,890	15,158	28,874	52,522	67,189	93,323	67,075	5,893	336,470
1920 Pharmacotherapy	13,099	3,145	4,449	5,219	9,073	21,280	39,938	47,594	41,162	26,103	4,770	215,832
1909 Conduction anaesthesia	213	429	901	8,801	38,650	21,422	10,433	18,161	29,872	38,688	11,903	179,473
1008 Panendoscopy with excision	105	467	1,637	6,930	10,603	18,281	27,210	28,314	22,456	16,754	3,725	136,482
905 Fibreoptic colonoscopy	7	19	110	2,655	6,982	17,265	29,970	32,923	25,392	17,507	3,312	136,142
1893 Transfusion of blood and gamma globulin	1,306	1,172	2,525	4,024	7,016	8,830	10,923	15,755	22,517	29,379	14,876	119,323
911 Fibreoptic colonoscopy with excision	28	45	387	3,483	5,958	10,778	18,193	22,601	19,744	13,450	2,326	96,993
197 Extracapsular crystalline lens extraction by phacoemulsification	0	6	10	56	137	503	2,792	9,318	27,835	42,718	10,114	93,489
1265 Curettage of uterus	0	0	25	4,765	16,124	23,196	21,818	8,469	3,472	1,549	223	79,641
1340 Caesarean section	0	0	11	9,723	47,629	20,108	200	0	0	0	0	77,671
1952 Computerised tomography of brain	437	746	1,302	3,627	4,329	5,317	6,566	7,489	11,002	21,301	14,783	76,899
1344 Postpartum suture	0	0	24	14,800	46,986	13,221	64	1	0	2	0	75,098
1912 Postprocedural analgesia	110	249	965	4,880	16,221	12,244	9,272	10,057	10,598	8,367	1,598	74,561
1267 Evacuation of gravid uterus	0	0	171	23,997	32,180	17,577	532	5	3	2	0	74,467
1620 Excision of lesion of skin and subcutaneous tissue	187	675	1,971	2,696	4,499	7,633	10,890	11,371	10,432	12,471	5,825	68,650
1334 Medical or surgical induction of labour	0	0	18	12,697	41,303	12,735	68	0	0	0	0	66,821
1333 Analgesia and anaesthesia during labour and delivery procedure	0	0	16	11,411	39,492	11,214	56	2	0	2	0	62,193
1259 Examination procedures on uterus	0	5	26	3,233	12,400	17,225	16,731	6,055	2,464	1,148	176	59,463
1335 Medical or surgical augmentation of labour	0	0	25	13,891	35,536	9,039	52	0	0	0	0	58,543
458 Surgical removal of tooth	0	457	3,686	26,316	9,900	4,191	2,756	1,783	904	699	229	50,921
1005 Panendoscopy	16	86	177	1,458	2,480	4,928	7,693	9,367	8,915	8,574	2,871	46,565
1297 Procedures for reproductive medicine	0	0	1	488	17,413	22,394	787	3	0	0	0	41,086
668 Coronary angiography	24	40	31	75	217	1,186	4,182	8,057	9,979	8,803	1,063	33,657
1089 Examination procedures on bladder	41	145	266	598	1,406	4,230	6,714	7,125	6,268	5,271	1,297	33,361
965 Cholecystectomy	0	1	91	2,281	5,305	6,142	6,367	5,790	3,887	2,386	447	32,697
1343 Other procedures associated with delivery	0	0	15	5,532	20,243	5,415	15	0	0	1	0	31,221
1963 Computerised tomography of abdomen and pelvis	13	58	285	1,733	2,570	3,449	4,157	4,347	4,930	6,554	3,050	31,146
738 Venous catheterisation	2,725	338	621	1,140	1,581	2,503	3,694	4,762	5,493	5,545	1,637	30,039
Other	31,385	44,818	78,864	141,420	261,277	279,615	298,078	294,629	260,680	245,708	82,012	2,018,486
Procedure reported <sup>(c)</sup>	26,590	36,322	68,828	215,107	402,979	386,408	402,723	434,510	444,761	431,427	150,708	3,000,303
No procedure or not reported	29,667	32,091	28,978	95,861	138,109	88,152	66,943	60,795	60,427	79,146	45,558	725,729
<b>Total<sup>(c)</sup></b>	<b>56,257</b>	<b>68,413</b>	<b>97,806</b>	<b>310,968</b>	<b>541,028</b>	<b>474,560</b>	<b>469,666</b>	<b>495,305</b>	<b>505,188</b>	<b>510,573</b>	<b>196,266</b>	<b>3,726,032</b>

(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Postinpatient 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<sup>(a)</sup> statistics in ICD-10-AM chapters, by Indigenous status<sup>(b)</sup>, all hospitals, selected states and territories<sup>(c)</sup>, 2004–05**

Procedure chapter	Count of procedures		Proportion of total procedures for patients identified as		Procedures per 1,000 population <sup>(d)</sup>		Rate ratio <sup>(e)</sup>
	Indigenous	Other	Indigenous (%)	Other	Indigenous	Other	
1–86	1,290	85,491	0.6	11.2	5.3	11.2	0.5
110–129	75	4,636	0.0	0.6	0.5	0.6	0.8
160–256	1,405	99,252	0.7	12.8	11.4	12.8	0.9
300–333	1,340	25,898	0.6	3.7	3.5	3.7	1.0
370–422	1,013	76,025	0.5	10.4	3.3	10.4	0.3
450–490	8,839	215,325	4.1	30.6	19.9	30.6	0.7
520–569	4,148	65,683	1.9	8.7	18.6	8.7	2.1
600–767	6,446	197,394	3.0	25.5	36.9	25.5	1.4
800–817	367	19,979	0.2	2.6	2.1	2.6	0.8
850–1011	6,604	478,628	3.1	62.5	36.0	62.5	0.6
1040–1128	81,019	377,708	38.0	48.8	555.9	48.8	11.4
1060	78,568	270,028	36.9	34.9	540.0	34.9	15.5
	2,451	107,680	1.2	13.9	16.0	13.9	1.1
1160–1203	594	34,525	0.3	4.6	2.5	4.6	0.5
1240–1299	4,406	181,053	2.1	24.7	17.3	24.7	0.7
1330–1347	9,408	184,377	4.4	26.0	26.8	26.0	1.0
1360–1579	7,549	247,276	3.5	32.8	31.0	32.8	0.9
1600–1718	8,345	256,929	3.9	33.9	33.1	33.9	1.0
1740–1759	324	27,169	0.2	3.6	1.7	3.6	0.5
1780–1799	96	5,178	0.0	0.7	0.7	0.7	1.0
1820–1916	62,175	2,354,686	29.2	310.4	296.0	310.4	1.0
1940–2016	7,676	212,321	3.6	27.7	41.2	27.7	1.5
<b>Total (excluding haemodialysis)</b>	<b>134,551</b>	<b>4,879,505</b>	<b>63.1</b>	<b>619.4</b>	<b>562.7</b>	<b>619.4</b>	<b>0.9</b>
<b>Total (including haemodialysis)</b>	<b>213,119</b>	<b>5,149,533</b>	<b>100.0</b>	<b>682.0</b>	<b>1,143.8</b>	<b>682.0</b>	<b>1.7</b>

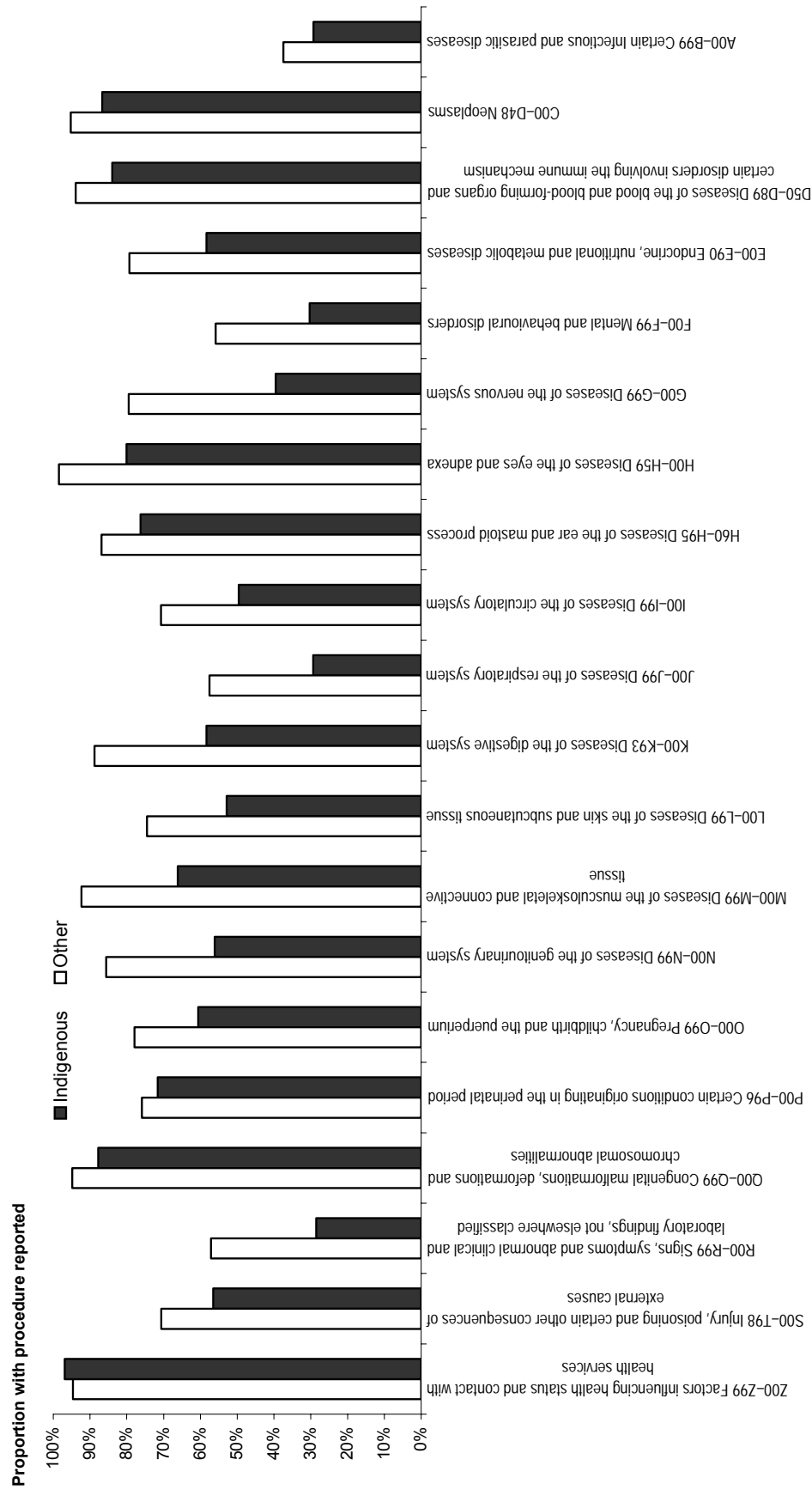
(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(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, 2004-05**