

# 10 Procedures for admitted patients

## Introduction

The *National health data dictionary, version 13* (HDSC 2006) 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 2006–07 were classified, coded and reported to the National Hospital Morbidity Database by all states and territories, using the fifth edition of the *Australian classification of health interventions* (ACHI) and the fifth edition of the *International statistical classification of diseases and related health problems, 10th revision, Australian modification* (ICD-10-AM) (NCCH 2006). Information about the quality of the ACHI/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 ACHI procedure block or chapter) being considered. A separation is counted only once for each group of procedures, regardless of the number of procedures reported within the group. 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.
- 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/ACHI publication (NCCH 2006).

Most of the information is presented using two methods of grouping procedures based on the ACHI procedure classification:

- ACHI procedure chapters – these 20 groups provide information aggregated at the ACHI chapter level (tables 10.1 to 10.4, 10.7, 10.8 and 10.20).

- ACHI procedure blocks – these 1,598 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 ACHI 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 New South Wales, Victoria, Queensland, Western Australia, South Australia and public hospitals in the Northern Territory only. See Chapter 8 for more information on the quality of Indigenous status data.

Overall in 2006–07, there were approximately 6.2 million separations for which a procedure was reported, 82.0% of total separations. Almost 20.9 million patient days were reported for separations with a procedure, accounting for 83.8% 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 1952 *Computerised tomography of brain* and other data elements in the National Hospital Morbidity Database.

For 2006–07:

- there were 192,023 separations for which this procedure was reported, with an average length of stay of 10.1 days
- there were 89.8% of these separations were admitted to public hospitals
- there were 66.3% of separations with this procedure had a separation mode of *Other*, suggesting that these patients went home after separation from the hospital, whereas 15.0% were transferred to another acute hospital.
- the principal diagnosis mostly associated with this procedure was *Essential (primary) hypertension (I10)* with 50,692 separations, and the most common additional diagnosis was *Cerebral infarction (I63)*
- the most common cause of injury associated with these separations was *Unspecified fall (W19, 8,965)*, and other specified falls were also in the top ten external causes
- the most commonly reported AR-DRG was *Headache (B77Z)* with 8,195 separations
- there were more separations for males than females, with males accounting for 52.1% of separations

- separations for patients aged 55 years and over accounted for 67.4% of the total.

## ACHI chapters

Tables 10.1 to 10.4 provide separation and procedure statistics reported for each of the ACHI 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 ACHI 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 56.2% of the separations for which a procedure was reported, although they accounted for 61.3% of the separations overall. Similarly, although 70.0% of overall patient days were in public hospitals, 67.5% of patient days associated with procedures were in public hospitals. In public hospitals, 75.1% of total separations involved a procedure (3,500,936) and these separations were associated with 80.8% of total patient days (Table 10.1). In contrast, 92.8% of total separations in private hospitals involved a procedure (2,731,023), and these separations were associated with 90.6% of total patient days (Table 10.2). About 85.5% of separations with a procedure in public hospitals were for public patients, in contrast to 1.7% in private hospitals.

The private sector reported a higher proportion of separations for same-day procedures than the public sector. About 54.2% (1,899,175) of separations for which a procedure was reported were same-day in public hospitals, compared with 66.9% (1,828,340) 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) (2,243,051), the chapter that accounted for the largest number of separations was *Procedures on urinary system* (Blocks 1040–1129), which includes *Haemodialysis*. There were 913,674 separations for which procedures in this chapter were reported, accounting for 1,476,755 patient days. This group of procedures also accounted for a large number of same-day separations (842,389) and public patient separations (806,855). Other chapters that accounted for a large number of separations in public hospitals were *Imaging services* (Blocks 1940–2016) with 464,049 separations and *Procedures on digestive system* (Blocks 850–1011) with 406,743 separations.

Within the private sector, *Non-invasive, cognitive and other interventions, not elsewhere classified* (Blocks 1820–1922) were reported for 2,276,557 separations. *Procedures on digestive system* (Blocks 850–1011), which includes colonoscopy, accounted for the next highest number of separations (634,559) with 1,119,252 patient days. This group of procedures also accounted for a large number of same-day separations (497,771). Other chapters that accounted for a large number of separations in private hospitals were *Procedures on musculoskeletal system* (Blocks 1360–1579) with 269,037 separations and *Procedures on urinary system* (Blocks 1040–1129) with 252,657 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 was higher in New South Wales and Victoria (83.3% and 83.0% of separations, respectively) than in Queensland (63.1% of separations). The proportion of total separations for *Procedures on eye and adnexa* (Blocks 160–256) performed in private hospitals was higher in Queensland (40,179 private sector separations, representing 79.8% of combined separations) than in Western Australia (9,322 private sector separations, or 57.2%).

## Selected procedures, 2002–03 to 2006–07

Tables 10.5 and 10.6 present the number of separations for selected procedures from 2002–03 to 2006–07 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. TheACHI 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 2002–03 and 2006–07 varied between the hospital sectors. For example, the number of private sector separations for *Cholecystectomy* decreased by 5.2% (1,110 separations) between 2002–03 and 2006–07, compared with an increase of 10.7% (2,633 separations) in the public sector over the same period (Table 10.5). Overall, the reported number of separations increased for 8 of the 12 selected procedures in the private sector and 9 of the 12 selected procedures in the public sector between 2002–03 and 2006–07. 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 2002–03 to 2006–07, 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).

Over the period 2002–03 to 2006–07, changes in separations for the selected procedures varied between public and private patients. These variations were similar to those identified between hospital sectors. For example, both public and private patient separations increased for 9 of the 12 selected procedures between 2002–03 and 2006–07. A notable difference between private and public patients was for *Tonsillectomy*, with private patient separations increasing by 16.6% (3,253 separations) between 2002–03 and 2006–07, compared with an increase in public patient separations of 2.7% (365 separations) over the same period.

## Total procedures

Tables 10.7 and 10.8 provide counts of all the procedures reported for 2006–07, 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, 15.2 million procedures were reported, 8.3 million in the public sector and 6.9 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) (7,078,856 procedures in total). A block which accounted for many of these procedures was *Cerebral anaesthesia* (Block 1910), 41.4% of the chapter overall (2,932,409 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) (1,409,239) and *Procedures on urinary system* (Blocks 1040–1129) (1,245,278).

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 1040–1129) with 952,401 procedures. In private hospitals, it was *Procedures on digestive system* (Blocks 850–1011) with 852,361 procedures.

## High-volume procedures

Tables 10.9 to 10.19 present information on the most common procedures (at the block level of theACHI 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. 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) (860,930) and *Cerebral anaesthesia* (Block 1910) (595,540) (Table 10.9). The average length of stay for separations reporting each of these procedure blocks was 11.2 and 6.3 days respectively. Both these procedure blocks also accounted for the highest number of patient days for separations with procedures, with 9,654,617 patient days for *Generalised allied health interventions* (Block 1916) and 3,775,710 patient days for *Cerebral anaesthesia* (Block 1910). *Haemodialysis* (Block 1060) was the most frequently reported procedure for same-day separations in the public sector (784,181), followed by *Cerebral anaesthesia* (Block 1910) (572,924) (Table 10.11).

*Cerebral anaesthesia* (Block 1910) was the most frequently reported procedure for overnight separations in private hospitals (542,573) (Table 10.10), and also the most frequently reported procedure for same-day separations in private hospitals (1,105,548) (Table 10.12).

*Cerebral anaesthesia* (Block 1910) was also the most frequently reported procedure group in private free-standing day hospitals (332,806 separations), followed by *Fibreoptic colonoscopy* (Block 905) (72,877 separations) (Table 10.13). Public patient separations accounted for 31.9% (16,745) 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 (43.1%, 36,956) and lowest in Tasmania (13.8%, 13,444). In the private sector, Victoria had relatively high numbers of separations with *Panendoscopy* (Block 1005) (22,313).

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 2.1 days in the Australian Capital Territory to 5.9 days in New South Wales and 7.5 days in the Northern Territory (Table 10.16). There was a much smaller overall variation in average lengths of stay within the private sector for those blocks, but there were still some differences across the states and territories. For example, the average length of stay for separations with *Psychological/psychosocial therapies* (Block 1873) ranged from 2.9 days in Queensland to 16.4 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 82.8% for males (2,965,612) and 81.2% for females (3,265,911) (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, the highest number of separations with procedures was reported for the 65–74 years age group which accounted for 576,765 (19.4%) separations with a procedure. For females, the highest number of separations with procedures was reported for the 55–64 years age group which accounted for 501,131 (15.3%) separations with a procedure (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 ACHI procedure chapters, including information on procedures per 1,000 population. These data are presented for New South Wales, Victoria, 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 Tasmania and the Australian Capital Territory.

*Procedures on urinary system* (Blocks 1040–1129) was the most frequently reported procedure chapter for Indigenous patients (111,331). For *Haemodialysis* (Block 1060), the number of procedures per 1,000 population for *Indigenous Australians* was about 11.8 times that for *Other Australians*. For *Procedures on respiratory system* (Blocks 520–569), the rate for *Indigenous Australians* was 1.9 times that for *Other Australians*, and for *Procedures on cardiovascular system* (Blocks 600–767) the rate was 1.2 times as high. Some chapters for which the rate for

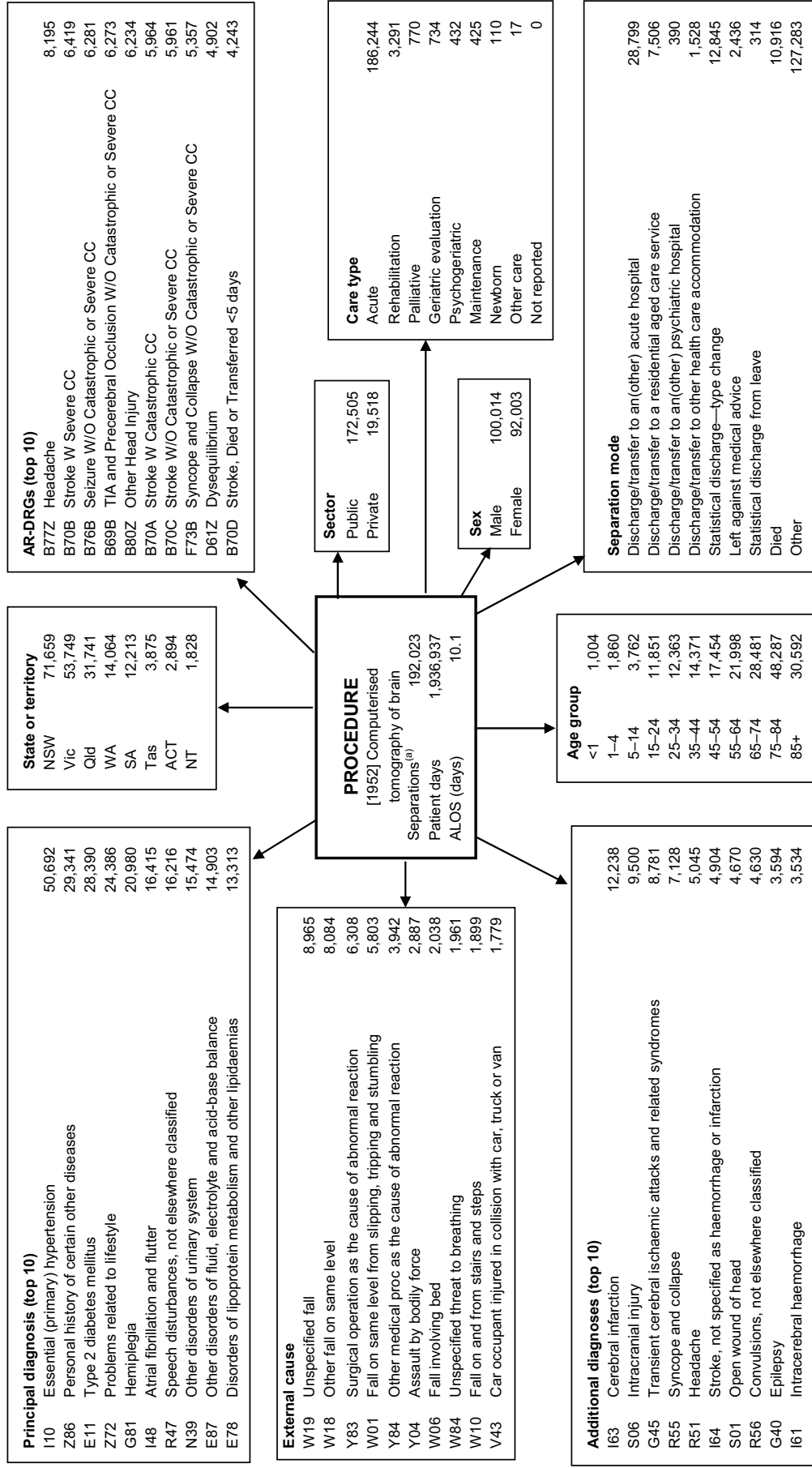
*Indigenous Australians* was less than that for *Other Australians* included *Procedures on nervous system* (Blocks 1–86), *Procedures on nose, mouth and pharynx* (Blocks 370–422), *Procedures on male genital organs* (Blocks 1160–1203), *Gynaecological procedures* (Blocks 1240–1299) and *Procedures on breast* (Blocks 1740–1759).

Although total procedures per 1,000 population were higher for *Indigenous Australians*, Figure 10.2 shows that the proportion of separations with a procedure by ICD-10-AM diagnosis chapter was lower for *Indigenous Australians* than for *Other Australians* for all but two of the diagnosis chapters. For example, for *Diseases of the nervous system* (G00–G99), 44.4% of separations for *Indigenous Australians* had a procedure reported, compared with 81.6% of separations for *Other Australians*. *Certain conditions originating in the perinatal period* (P00–P96) and *Factors influencing health status and contact with health services* (Z00–Z99) were the two chapters for which the proportion of separations with procedures was higher for *Indigenous Australians*. 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](http://www.aihw.gov.au)> provide information on the number of separations by 5-year age group and ACHI 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 ACHI chapter level through to the more specific seven-digit procedure code level. The source of these data is the National Hospital Morbidity Database.



Note: Main abbreviations: ALOS—average length of stay; Proc—procedure; W—with; W/O—without; Cat—catastrophic; CC—complication or comorbidity; Imp—implantation; Sev—severe; AMI—acute myocardial infarction.  
(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.

**Figure 10.1: Interrelationships of a procedure (Block 1952 Computerised tomography of brain) with other data elements, all hospitals, Australia, 2006–07**



**Table 10.1: Separation<sup>(a)</sup> and procedure statistics, by procedure in ACHI chapters, public hospitals, Australia, 2006–07**

Procedure chapters	Separations		Same-day separations		Public patient 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	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Public patient separations per 10,000 population <sup>(b)</sup>	Separations per 10,000 population <sup>(b)</sup>	Public patient separations per 10,000 population <sup>(b)</sup>	Patient days per 10,000 population <sup>(b)</sup>	Patient days per 10,000 population <sup>(b)</sup>	ALOS (days)	ALOS (days) excluding same-day
1–86	69,018	56,332	26,821	56,332	33.1	465,328	223.2	6.7	10.4			
110–129	6,448	5,669	250	5,669	3.1	29,511	14.2	4.6	4.7			
160–256	77,534	61,733	65,353	61,733	37.2	114,827	55.1	1.5	4.1			
300–333	23,979	20,745	15,528	20,745	11.5	53,098	25.5	2.2	4.4			
370–422	51,580	43,816	15,209	43,816	24.7	119,883	57.5	2.3	2.9			
450–490	29,063	22,649	23,376	22,649	13.9	87,824	42.1	3.0	11.3			
520–569	83,521	68,503	17,406	68,503	40.1	1,107,138	531.0	13.3	16.5			
600–767	194,390	161,023	53,602	161,023	93.2	1,772,430	850.0	9.1	12.2			
800–817	30,724	25,328	11,407	25,328	14.7	230,689	110.6	7.5	11.4			
850–1011	406,743	344,437	212,083	344,437	195.1	1,650,606	791.6	4.1	7.4			
1040–1129	913,674	842,389	842,389	842,389	438.2	1,476,755	708.2	1.6	8.9			
1160–1203	38,430	20,719	20,719	32,866	18.4	92,374	44.3	2.4	4.0			
1240–1299	136,123	87,270	87,270	119,686	65.3	260,010	124.7	1.9	3.5			
1330–1347	185,471	169,974	8,653	169,974	88.9	651,362	312.4	3.5	3.6			
1360–1579	235,387	70,612	70,612	193,606	112.9	1,266,463	607.4	5.4	7.3			
1600–1718	178,140	84,977	84,977	150,385	85.4	983,823	471.8	5.5	9.6			
1740–1759	18,913	8,413	8,413	17,015	9.1	49,657	23.8	2.6	3.9			
1786–1799	10,655	2,804	2,804	8,290	5.1	95,892	46.0	9.0	11.9			
1820–1922	2,243,051	899,239	899,239	1,884,443	1,075.7	12,239,179	5,869.5	5.5	8.4			
1940–2016	464,049	373,944	74,388	373,944	222.5	4,174,631	2,002.0	9.0	10.5			
Imaging services	3,500,936	1,899,175	1,899,175	2,991,931	1,678.9	14,099,557	6,761.7	4.0	7.6			
Procedures reported <sup>(c)</sup>	1,160,344	433,633	433,633	1,032,380	556.5	3,339,531	1,601.5	2.9	4.0			
No procedure or not reported												
<b>Total<sup>(e)</sup></b>	<b>4,661,280</b>	<b>2,332,808</b>	<b>2,332,808</b>	<b>4,024,311</b>	<b>2,235.4</b>	<b>17,439,088</b>	<b>8,363.3</b>	<b>3.7</b>	<b>6.5</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 2006.

(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<sup>(a)</sup> and procedure statistics, by procedure in ACHI chapters, private hospitals, Australia, 2006–07**

Procedure chapters	Separations		Same-day separations		Public patient separations		Separations per 10,000 population <sup>(b)</sup>		Patient days per 10,000 population <sup>(b)</sup>		ALOS (days)	
	Separations	Separations	separations	separations	separations	separations	per 10,000 population <sup>(b)</sup>	Patient days	per 10,000 population <sup>(b)</sup>	ALOS (days)	ALOS (days) excluding same-day	
1–86	77,546	39,807	96	266,965	37.2	128.0	3.4	6.0				
110–129	6,434	97	37	18,244	3.1	8.7	2.8	2.9				
160–256	160,857	148,416	1,162	166,519	77.1	79.9	1.0	1.5				
300–333	25,938	18,721	60	30,680	12.4	14.7	1.2	1.7				
370–422	65,983	23,643	123	81,942	31.6	39.3	1.2	1.4				
450–490	96,759	92,662	45	100,902	46.4	48.4	1.0	2.0				
520–569	26,305	6,755	119	211,092	12.6	101.2	8.0	10.5				
600–767	149,166	54,708	3,129	682,715	71.5	327.4	4.6	6.6				
800–817	20,189	5,876	36	93,952	9.7	45.1	4.7	6.2				
850–1011	634,559	497,771	2,082	1,119,252	304.3	536.8	1.8	4.5				
1040–1129	252,657	204,651	29,333	455,401	121.2	218.4	1.8	5.2				
1160–1203	61,224	35,972	306	135,843	29.4	65.1	2.2	4.0				
1240–1299	190,386	149,486	810	298,778	91.3	143.3	1.6	3.7				
1330–1347	78,589	983	3	378,804	37.7	181.7	4.8	4.9				
1360–1579	269,037	113,116	585	857,444	129.0	411.2	3.2	4.8				
1600–1718	169,886	121,802	866	350,769	81.5	168.2	2.1	4.8				
1740–1759	34,155	14,372	65	65,488	16.4	31.4	1.9	2.6				
1786–1799	3,170	554	74	28,278	1.5	13.6	8.9	10.6				
1820–1922	2,276,557	1,466,015	16,673	6,056,563	1,091.8	2,904.5	2.7	5.7				
1940–2016	136,331	34,279	796	1,031,405	65.4	494.6	7.6	9.8				
Procedures reported <sup>(c)</sup>	2,731,023	1,828,340	45,541	6,779,273	1,309.7	3,251.1	2.5	5.5				
No procedure or not reported	210,614	80,361	3,560	706,204	101.0	338.7	3.4	4.8				
<b>Total<sup>(c)</sup></b>	<b>2,941,637</b>	<b>1,908,701</b>	<b>49,101</b>	<b>7,485,477</b>	<b>1,410.7</b>	<b>3,589.8</b>	<b>2.5</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 2006.

(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<sup>(a)</sup>, by procedure in ACHI chapters, public hospitals, states and territories, 2006–07**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	21,003	19,859	10,127	8,164	6,348	1,776	1,053	688	69,018
110–129	2,246	1,781	1,224	549	396	130	83	39	6,448
160–256	25,754	22,684	10,146	9,322	6,961	701	1,262	704	77,534
300–333	5,269	6,675	6,038	2,410	2,526	358	345	358	23,979
370–422	13,584	16,131	9,604	4,979	5,051	821	863	547	51,580
450–490	7,254	8,973	5,755	3,277	2,549	559	260	436	29,063
520–569	26,582	22,021	15,687	7,949	6,803	2,077	1,311	1,091	83,521
600–767	59,031	55,341	34,049	18,207	16,319	5,089	4,292	2,062	194,390
800–817	8,522	9,353	5,313	3,048	2,863	616	775	234	30,724
850–1011	130,128	113,470	58,056	49,814	37,744	8,029	5,439	4,063	406,743
1040–1129	274,077	262,660	137,149	98,611	65,690	15,660	21,992	37,835	913,674
1160–1203	10,418	12,816	5,123	4,818	3,617	874	388	376	38,430
1240–1299	39,098	41,243	23,603	10,998	14,695	2,648	1,658	2,180	136,123
1330–1347	61,801	44,689	36,748	20,492	12,669	3,689	3,118	2,265	185,471
1360–1579	75,914	61,634	40,402	25,544	18,166	5,980	4,766	2,981	235,387
1600–1718	48,973	48,489	36,842	18,169	16,258	3,436	2,317	3,656	178,140
1740–1759	5,569	5,378	2,907	2,774	1,530	366	248	141	18,913
1786–1799	3,180	2,723	3,017	687	637	209	202	0	10,655
1820–1922	697,469	659,841	346,574	233,897	199,299	47,941	34,861	23,169	2,243,051
1940–2016	182,265	124,345	66,607	36,336	31,413	10,303	7,768	5,012	464,049
<i>Procedures reported<sup>(b)</sup></i>	1,065,420	1,018,384	557,630	366,269	293,952	71,861	62,302	65,118	3,500,936
No procedure or not reported	396,709	295,858	227,000	84,627	96,695	25,295	13,465	20,695	1,160,344
<b>Total<sup>(b)</sup></b>	<b>1,462,129</b>	<b>1,314,242</b>	<b>784,630</b>	<b>450,896</b>	<b>390,647</b>	<b>97,156</b>	<b>75,767</b>	<b>85,813</b>	<b>4,661,280</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 ACHI chapters, private hospitals, states and territories, 2006–07**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	19,147	20,175	14,678	12,338	8,150	n.p.	n.p.	n.p.	77,546
110–129	2,236	1,330	1,550	700	390	n.p.	n.p.	n.p.	6,434
160–256	56,052	32,633	40,179	12,468	11,459	n.p.	n.p.	n.p.	160,857
300–333	8,232	5,020	5,021	3,223	3,300	n.p.	n.p.	n.p.	25,338
370–422	21,933	13,498	13,308	7,530	6,822	n.p.	n.p.	n.p.	65,983
450–490	27,753	24,725	18,703	13,919	8,288	n.p.	n.p.	n.p.	96,759
520–569	6,514	5,901	7,128	2,353	3,679	n.p.	n.p.	n.p.	26,305
600–767	39,767	42,956	38,164	12,105	10,598	n.p.	n.p.	n.p.	149,166
800–817	4,995	4,685	6,132	1,853	1,690	n.p.	n.p.	n.p.	20,189
850–1011	190,221	175,030	154,053	54,433	41,363	n.p.	n.p.	n.p.	634,559
1040–1129	55,116	53,865	80,302	31,806	25,627	n.p.	n.p.	n.p.	252,657
1160–1203	20,280	14,931	12,231	6,363	4,415	n.p.	n.p.	n.p.	61,224
1240–1299	56,992	50,742	47,859	15,764	11,764	n.p.	n.p.	n.p.	190,386
1330–1347	21,835	20,353	17,613	9,550	5,063	n.p.	n.p.	n.p.	78,589
1360–1579	76,126	68,055	54,006	31,668	26,260	n.p.	n.p.	n.p.	269,037
1600–1718	48,235	38,747	39,669	16,959	19,019	n.p.	n.p.	n.p.	169,886
1740–1759	9,326	7,699	8,461	4,401	2,693	n.p.	n.p.	n.p.	34,155
1786–1799	838	881	906	104	393	n.p.	n.p.	n.p.	3,170
1820–1922	684,383	557,233	562,721	216,524	172,946	n.p.	n.p.	n.p.	2,276,557
1940–2016	30,962	39,477	36,589	14,788	9,900	n.p.	n.p.	n.p.	136,331
Imaging services	778,973	682,397	686,089	271,684	214,681	n.p.	n.p.	n.p.	2,731,023
<i>Procedures reported<sup>(b)</sup></i>	29,403	79,020	55,925	17,479	14,643	n.p.	n.p.	n.p.	210,614
No procedure or not reported	<b>808,376</b>	<b>761,417</b>	<b>742,014</b>	<b>289,163</b>	<b>229,324</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>2,941,637</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 10.5: Separations<sup>(a)(b)</sup> for selected procedures<sup>(c)</sup>, by hospital sector, Australia, 2002-03 to 2006-07**

Procedure	Private hospitals										Public hospitals									
	Change 2002-03 to 2006-07										Change 2002-03 to 2006-07									
	2002-03	2003-04	2004-05	2005-06	2006-07	2006-07	2006-07	2006-07	2006-07	2006-07	2002-03	2003-04	2004-05	2005-06	2006-07	2006-07	2006-07	2006-07	2006-07	2006-07
Caesarean section	27,348	28,486	30,202	31,920	33,439	6,091	41,914	44,807	47,469	50,790	55,327	13,413								
Cholecystectomy	21,257	20,996	20,936	20,593	20,147	-1,110	24,627	25,322	25,753	26,153	27,260	2,633								
Coronary artery bypass graft	6,780	6,588	6,058	5,811	6,000	-780	9,142	8,885	8,470	8,411	8,185	-957								
Coronary angioplasty	13,943	15,674	15,928	16,371	16,041	2,098	13,598	15,530	17,401	18,334	19,001	5,403								
Hip replacement	15,003	15,660	15,385	15,117	15,685	682	12,274	12,818	13,145	13,477	13,753	1,479								
Revision of hip replacement	1,986	2,111	2,114	2,092	2,063	77	1,284	1,404	1,375	1,382	1,446	162								
Hysterectomy, aged 15-69	16,262	15,587	15,281	14,722	14,489	-1,773	13,483	13,624	13,213	12,907	12,730	-753								
Knee replacement	17,579	18,812	19,944	20,510	21,727	4,148	8,851	9,476	10,457	11,865	12,036	3,185								
Lens insertion	105,660	109,324	118,379	121,372	123,632	17,972	46,379	47,001	51,642	54,241	55,234	8,855								
Myringotomy	17,922	17,855	18,129	17,548	17,745	-177	14,691	14,122	13,807	12,920	12,381	-2,310								
Prostatectomy	15,020	16,225	17,685	18,519	19,500	4,480	9,214	9,359	9,880	10,163	10,505	1,291								
Tonsillectomy	17,661	17,430	18,129	19,138	20,348	2,687	15,428	15,163	15,537	16,162	16,313	885								

(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 ACHI codes. See Appendix 1.

**Table 10.6: Separations<sup>(a)(b)</sup> for selected procedures<sup>(c)</sup>, by patient election status, Australia, 2002-03 to 2006-07**

Procedure	Private patients										Public patients				
											Change				
	2002-03	2003-04	2004-05	2005-06	2006-07	2006-07	2006-07	2006-07	2006-07	2006-07	2002-03 to 2006-07	2002-03 to 2006-07	2002-03 to 2006-07	2002-03 to 2006-07	
Caesarean section	31,010	32,676	34,422	36,503	38,971	38,971	7,961	37,935	40,519	42,996	45,966	49,542	11,607		
Cholecystectomy	22,567	22,762	22,741	22,627	22,668	22,668	101	23,129	23,545	23,924	24,107	24,716	1,587		
Coronary artery bypass graft	8,036	7,696	7,169	6,853	6,981	6,981	-1,055	7,875	7,759	7,347	7,355	7,199	-676		
Coronary angioplasty	16,041	18,356	18,771	19,062	18,834	18,834	2,793	11,343	12,833	14,529	15,629	16,175	4,832		
Hip replacement	16,450	17,546	17,270	17,054	17,863	17,863	1,413	10,740	10,927	11,249	11,535	11,569	829		
Revision of hip replacement	2,153	2,308	2,311	2,267	2,291	2,291	138	1,100	1,207	1,178	1,207	1,218	118		
Hysterectomy, aged 15-69	17,411	17,140	16,619	16,049	15,883	15,883	-1,528	12,196	12,066	11,864	11,574	11,334	-862		
Knee replacement	17,834	19,465	20,545	20,987	22,542	22,542	4,708	8,542	8,822	9,852	11,387	11,218	2,676		
Lens insertion	111,885	116,916	125,353	129,679	131,885	131,885	20,000	39,389	39,377	43,999	45,626	45,904	6,515		
Myringotomy	20,024	19,966	20,316	19,431	19,695	19,695	-329	12,488	12,002	11,613	11,023	10,425	-2,063		
Prostatectomy	15,728	17,179	18,668	19,563	20,675	20,675	4,947	8,404	8,399	8,895	9,111	9,327	923		
Tonsillectomy	19,592	19,650	20,528	21,567	22,845	22,845	3,253	13,449	12,942	13,126	13,730	13,814	365		

(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 ACHI codes. See Appendix 1.

**Table 10.7. Number of procedures<sup>(a)(b)</sup>, by ACHI chapter, public hospitals, states and territories, 2006–07**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1–86	26,701	24,948	13,422	10,640	7,127	2,289	1,382	749	87,258
110–129	2,430	1,896	1,325	637	409	137	97	41	6,972
160–256	29,833	26,425	12,397	11,119	8,078	804	1,349	818	90,823
300–333	6,181	7,895	6,856	2,816	2,875	427	426	411	27,887
370–422	20,124	24,924	12,374	7,245	7,791	1,158	1,428	714	75,758
450–490	42,196	37,546	36,023	16,384	13,157	3,206	1,089	2,158	151,759
520–569	47,178	39,692	27,472	14,282	11,632	3,494	2,435	2,059	148,244
600–767	101,489	92,792	57,342	31,155	26,361	9,401	6,952	3,068	328,560
800–817	9,164	9,768	5,727	3,266	2,971	644	809	243	32,592
850–1011	186,023	151,257	78,688	66,390	50,553	10,861	7,684	5,422	556,878
1040–1129	289,109	271,013	143,650	102,808	68,580	16,311	22,758	38,172	952,401
1160–1203	11,252	13,616	5,568	5,198	3,834	937	437	405	41,247
1240–1299	62,248	67,393	36,528	17,611	21,497	3,681	2,705	2,776	214,439
1330–1347	111,480	82,848	73,052	45,873	25,018	6,584	5,931	3,758	354,544
1360–1579	99,413	91,438	56,539	36,937	24,084	8,377	6,609	4,327	327,724
1600–1718	73,577	74,417	58,871	28,521	26,104	5,102	3,484	5,642	275,718
1740–1759	7,342	6,894	3,892	4,132	1,889	440	273	162	25,024
1786–1799	3,531	3,751	3,045	925	1,208	262	206	0	12,928
1820–1922	1,302,168	1,173,369	601,794	394,162	316,855	84,746	62,087	36,369	3,971,550
1940–2016	255,616	172,648	89,819	47,551	40,767	14,160	10,244	6,557	637,362
<b>Total procedures</b>	<b>2,687,055</b>	<b>2,374,530</b>	<b>1,324,384</b>	<b>847,652</b>	<b>660,790</b>	<b>173,021</b>	<b>138,385</b>	<b>113,851</b>	<b>8,319,668</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 ACHI 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 ACHI chapter, private hospitals, states and territories, 2006-07**

Procedure chapters	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1-86	28,569	34,066	24,522	23,944	10,829	n.p.	n.p.	n.p.	126,781
110-129	2,487	1,418	1,658	774	414	n.p.	n.p.	n.p.	6,993
160-256	66,417	36,427	47,779	16,429	13,491	n.p.	n.p.	n.p.	189,609
300-333	9,633	5,612	5,737	3,658	3,763	n.p.	n.p.	n.p.	29,657
370-422	43,426	23,769	25,564	14,127	15,626	n.p.	n.p.	n.p.	128,492
450-490	97,718	83,862	78,564	66,116	35,677	n.p.	n.p.	n.p.	377,344
520-569	9,497	9,009	10,886	3,489	5,488	n.p.	n.p.	n.p.	39,384
600-767	74,028	77,461	66,874	21,345	19,099	n.p.	n.p.	n.p.	267,198
800-817	5,405	4,838	6,513	2,027	1,797	n.p.	n.p.	n.p.	21,458
850-1011	267,319	226,206	203,789	73,934	55,323	n.p.	n.p.	n.p.	862,361
1040-1129	70,990	60,357	89,091	35,546	28,661	n.p.	n.p.	n.p.	292,877
1160-1203	21,459	15,724	13,128	6,642	4,650	n.p.	n.p.	n.p.	64,789
1240-1299	86,524	76,182	67,884	23,709	19,008	n.p.	n.p.	n.p.	284,520
1330-1347	44,603	40,194	33,107	22,107	10,455	n.p.	n.p.	n.p.	158,248
1360-1579	109,516	106,615	75,117	47,513	39,471	n.p.	n.p.	n.p.	396,775
1600-1718	91,797	75,946	85,081	33,060	37,092	n.p.	n.p.	n.p.	337,164
1740-1759	12,263	9,960	11,054	6,024	3,420	n.p.	n.p.	n.p.	44,628
1786-1799	964	934	1,204	115	595	n.p.	n.p.	n.p.	3,860
1820-1922	960,375	763,291	736,222	295,758	244,611	n.p.	n.p.	n.p.	3,107,306
1940-2016	39,317	50,975	47,200	18,924	12,266	n.p.	n.p.	n.p.	174,255
<b>Total procedures</b>	<b>2,042,307</b>	<b>1,702,846</b>	<b>1,630,974</b>	<b>715,241</b>	<b>561,736</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>6,903,699</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 ACHI 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 10.9: Separation<sup>(a)</sup> and procedure statistics for the 30 ACHI procedure blocks with the highest number of overnight separations, public hospitals, Australia, 2006-07**

Procedure block	Separations	Public patient separations	Patient days	ALOS (days)	Total procedures reported
1916 Generalised allied health interventions	860,930	705,988	9,654,617	11.2	1,709,566
1910 Cerebral anaesthesia	595,540	501,916	3,775,710	6.3	676,291
1952 Computerised tomography of brain	146,363	114,421	1,667,002	11.4	149,636
1893 Transfusion of blood and gamma globulin	121,314	97,155	1,671,442	13.8	150,639
1909 Conduction anaesthesia	109,520	93,782	745,916	6.8	111,765
1920 Administration of pharmacotherapy	77,073	64,130	1,044,738	13.6	100,597
1912 Postprocedural analgesia	64,429	53,814	530,749	8.2	65,906
1963 Computerised tomography of abdomen and pelvis	63,493	50,984	684,151	10.8	64,874
1344 Postpartum suture	58,680	53,804	183,897	3.1	60,109
1340 Caesarean section	55,170	49,429	271,922	4.9	55,202
738 Venous catheterisation	51,587	42,005	1,124,519	21.8	57,754
1334 Medical or surgical induction of labour	47,853	43,735	184,582	3.9	48,762
1335 Medical or surgical augmentation of labour	46,055	42,776	146,560	3.2	46,116
1333 Analgesia and anaesthesia during labour and delivery procedure	41,889	37,904	169,861	4.1	41,958
2015 Magnetic resonance imaging	41,845	32,644	625,984	15.0	45,948
1966 Other computerised tomography	41,735	33,287	502,834	12.0	43,646
668 Coronary angiography	35,153	28,771	222,370	6.3	35,527
569 Continuous ventilatory support	30,389	24,530	649,001	21.4	57,938
1962 Computerised tomography of abdomen	29,616	24,179	304,398	10.3	30,101
965 Cholecystectomy	26,683	24,069	114,126	4.3	26,730
1959 Computerised tomography of spine	25,192	16,037	260,458	10.3	27,753
1960 Computerised tomography of chest	24,498	19,292	361,560	14.8	24,922
926 Appendectomy	22,732	19,314	87,851	3.9	22,842
607 Examination procedures on ventricle	22,039	18,025	131,558	6.0	22,092
1566 Excision procedures on other musculoskeletal sites	20,782	15,241	253,281	12.2	28,139
1343 Other procedures associated with delivery	20,767	18,664	74,016	3.6	21,023
1336 Spontaneous vertex delivery	20,423	19,641	57,354	2.8	20,489
986 Division of abdominal adhesions	20,105	17,310	186,065	9.3	20,377
1008 Panendoscopy with excision	19,929	16,765	188,295	9.4	20,240
957 Examination of gallbladder or biliary tract	19,206	17,251	82,525	4.3	19,603
Other	1,419,243	1,172,847	14,687,173	10.3	1,526,384
No procedure or not reported	725,560	633,143	2,868,985	4.0	..
<b>Total<sup>(b)</sup></b>	<b>2,328,472</b>	<b>1,976,635</b>	<b>15,106,280</b>	<b>6.5</b>	<b>5,332,929</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.

ALOS — average length of stay.

Note: A similar listing of all procedures in ACHI 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 ACHI procedure blocks with the highest number of overnight separations, private hospitals, Australia, 2006–07**

Procedure block	Separations	Public patient separations	Patient days	ALOS (days)	Total procedures reported
1910 Cerebral anaesthesia	542,573	1,400	2,178,008	4.0	575,942
1916 Generalised allied health interventions	334,863	2,080	3,191,186	9.5	492,515
1909 Conduction anaesthesia	110,581	281	614,778	5.6	112,675
1912 Postprocedural analgesia	56,566	75	367,929	6.5	58,421
1893 Transfusion of blood and gamma globulin	55,445	232	631,341	11.4	65,794
668 Coronary angiography	36,535	51	149,814	4.1	37,239
1340 Caesarean section	33,403	n.p.	186,654	5.6	33,413
1828 Sleep study	32,861	n.p.	36,730	1.1	33,171
607 Examination procedures on ventricle	29,212	50	115,884	4.0	29,326
1333 Analgesia and anaesthesia during labour and delivery procedure	26,387	0	129,292	4.9	26,412
1920 Administration of pharmacotherapy	25,651	87	250,056	9.7	28,665
1334 Medical or surgical induction of labour	22,856	n.p.	108,480	4.7	23,154
1344 Postpartum suture	22,663	n.p.	98,880	4.4	22,807
990 Repair of inguinal hernia	20,256	65	31,484	1.6	20,321
965 Cholecystectomy	19,887	126	57,983	2.9	19,911
412 Tonsillectomy or adenoidectomy	19,387	53	20,822	1.1	19,405
1952 Computerised tomography of brain	19,234	258	243,509	12.7	19,691
1518 Arthroplasty of knee	18,716	82	141,687	7.6	19,020
1915 Other client support interventions	18,100	684	193,695	10.7	18,624
986 Division of abdominal adhesions	17,516	37	117,410	6.7	17,711
957 Examination of gallbladder or biliary tract	15,779	98	42,472	2.7	15,972
1620 Excision of lesion of skin and subcutaneous tissue	15,506	62	55,067	3.6	29,426
1335 Medical or surgical augmentation of labour	15,444	0	69,647	4.5	15,457
1489 Arthroplasty of hip	15,022	66	127,983	8.5	15,089
738 Venous catheterisation	14,457	32	273,951	18.9	16,052
671 Transluminal coronary angioplasty with stenting	14,130	44	44,489	3.1	14,457
1963 Computerised tomography of abdomen and pelvis	14,117	42	153,094	10.8	14,430
1089 Examination procedures on bladder	13,532	36	56,594	4.2	13,597
1165 Transurethral prostatectomy	13,259	53	54,696	4.1	13,301
1566 Excision procedures on other musculoskeletal sites	12,947	16	98,527	7.6	15,520
Other	1,023,035	3,332	6,417,268	6.3	1,109,946
No procedure or not reported	129,833	2,406	624,707	4.8	..
<b>Total<sup>(b)</sup></b>	<b>1,032,936</b>	<b>6,442</b>	<b>5,576,776</b>	<b>5.4</b>	<b>2,947,464</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.

ALOS — average length of stay.

Note: A similar listing of all procedures in ACHI 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 ACHI procedure blocks with the highest number of same-day separations, public hospitals, Australia, 2006-07**

Procedure block	Separations	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Total procedures reported
1060 Haemodialysis	784,181	693,856	376.1	784,599
1910 Cerebral anaesthesia	572,924	481,492	274.8	573,769
1920 Administration of pharmacotherapy	163,161	142,568	78.2	165,345
905 Fibreoptic colonoscopy	63,479	52,910	30.4	63,526
1008 Panendoscopy with excision	63,134	52,531	30.3	63,517
1893 Transfusion of blood and gamma globulin	60,609	50,702	29.1	62,912
1909 Conduction anaesthesia	52,695	42,232	25.3	52,820
911 Fibreoptic colonoscopy with excision	51,937	43,236	24.9	54,620
197 Extracapsular crystalline lens extraction by phacoemulsification	49,499	40,519	23.7	49,506
1620 Excision of lesion of skin and subcutaneous tissue	44,197	39,219	21.2	65,149
1916 Generalised allied health interventions	36,167	32,486	17.3	44,328
1265 Curettage of uterus	32,474	29,204	15.6	32,501
1089 Examination procedures on bladder	28,397	25,015	13.6	28,403
1952 Computerised tomography of brain	26,142	23,080	12.5	26,194
1259 Examination procedures on uterus	24,131	21,703	11.6	24,145
1267 Evacuation of gravid uterus	24,023	20,974	11.5	24,130
1921 Loading of drug delivery device	21,947	19,248	10.5	23,034
1005 Panendoscopy	21,314	17,739	10.2	21,329
766 Vascular infusion device and pump	14,857	13,573	7.1	14,969
668 Coronary angiography	14,114	11,179	6.8	14,126
1635 Repair of wound of skin and subcutaneous tissue	12,978	11,319	6.2	14,284
1890 Therapeutic interventions on cardiovascular system	12,682	11,404	6.1	12,837
1907 Electroconvulsive therapy	12,412	12,001	6.0	12,424
458 Surgical removal of tooth	11,485	7,264	5.5	38,309
607 Examination procedures on ventricle	11,376	8,997	5.5	11,390
457 Nonsurgical removal of tooth	11,090	9,611	5.3	44,192
1554 Other application, insertion or removal procedures on other musculoskeletal sites	10,760	9,183	5.2	11,376
76 Release of carpal and tarsal tunnel	10,684	9,687	5.1	11,186
1888 Hyperbaric oxygen therapy	10,515	6,729	5.0	10,521
309 Myringotomy	9,822	8,259	4.7	9,906
Other	557,718	477,004	267.5	621,392
No procedure or not reported	432,643	399,237	207.5	..
<b>Total<sup>(c)</sup></b>	<b>2,332,808</b>	<b>2,047,676</b>	<b>1,118.7</b>	<b>2,986,739</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 2006.

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

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

**Table 10.12: Separation<sup>(a)</sup> and procedure statistics for the 30 ACHI procedure blocks with the highest number of same-day separations, private hospitals, Australia, 2006–07**

Procedure block	Separations	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Total procedures reported
1910 Cerebral anaesthesia	1,105,548	5,320	530.2	1,106,407
905 Fiberoptic colonoscopy	181,049	526	86.8	181,172
1008 Panendoscopy with excision	174,726	538	83.8	176,586
911 Fiberoptic colonoscopy with excision	162,470	449	77.9	170,171
1920 Administration of pharmacotherapy	147,072	4,909	70.5	148,268
1060 Haemodialysis	140,117	27,525	67.2	140,123
197 Extracapsular crystalline lens extraction by phacoemulsification	108,781	992	52.2	108,811
1620 Excision of lesion of skin and subcutaneous tissue	83,282	391	39.9	135,199
1909 Conduction anaesthesia	78,437	1,696	37.6	78,682
458 Surgical removal of tooth	75,909	13	36.4	237,188
1916 Generalised allied health interventions	73,715	49	35.4	90,185
1921 Loading of drug delivery device	51,806	222	24.8	57,901
1267 Evacuation of gravid uterus	47,237	19	22.7	47,295
1005 Panendoscopy	45,836	77	22.0	45,875
1297 Procedures for reproductive medicine	42,945	453	20.6	43,958
1089 Examination procedures on bladder	37,545	565	18.0	37,550
1265 Curettage of uterus	35,411	121	17.0	35,440
1873 Psychological/psychosocial therapies	32,812	n.p.	15.7	38,879
1517 Arthroscopic meniscectomy of knee with repair	29,561	33	14.2	30,248
1259 Examination procedures on uterus	28,781	105	13.8	28,793
1893 Transfusion of blood and gamma globulin	27,446	84	13.2	28,387
766 Vascular infusion device and pump	22,192	185	10.6	22,801
668 Coronary angiography	19,822	2,146	9.5	19,828
1651 Local skin flap, simple and small, single stage	19,458	130	9.3	21,740
1880 Therapies using agents, not elsewhere classified	18,715	5	9.0	18,723
941 Procedures for haemorrhoids	17,624	28	8.5	18,797
309 Myringotomy	15,518	37	7.4	15,634
607 Examination procedures on ventricle	15,458	1,041	7.4	15,460
1163 Closed biopsy of prostate or seminal vesicle	15,019	109	7.2	15,412
76 Release of carpal and tarsal tunnel	14,789	56	7.1	16,199
Other	688,291	6,601	330.1	824,614
No procedure or not reported	79,801	1,154	38.3	..
<b>Total<sup>(c)</sup></b>	<b>1,908,701</b>	<b>42,659</b>	<b>915.4</b>	<b>3,956,326</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 2006.

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

Note: A similar listing of all procedures in ACHI 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 ACHI procedure blocks with the highest number of separations, private free-standing day hospitals, Australia, 2006-07**

Procedure block	Separations	Public patient separations	Separations per 10,000 population <sup>(b)</sup>	Total procedures reported
1910 Cerebral anaesthesia	332,806	1,108	159.6	333,138
905 Fibreoptic colonoscopy	72,877	n.p.	34.9	72,909
1008 Panendoscopy with excision	72,734	n.p.	34.9	73,404
911 Fibreoptic colonoscopy with excision	61,329	n.p.	29.4	63,476
197 Extracapsular crystalline lens extraction by phacoemulsification	57,572	613	27.6	57,587
1060 Haemodialysis	52,446	16,745	25.2	52,446
1267 Evacuation of gravid uterus	36,755	17	17.6	36,793
1909 Conduction anaesthesia	34,936	1,189	16.8	35,089
1620 Excision of lesion of skin and subcutaneous tissue	30,862	292	14.8	48,761
1920 Administration of pharmacotherapy	29,196	1,357	12.1	25,650
1005 Panendoscopy	23,069	n.p.	11.1	23,077
1297 Procedures for reproductive medicine	22,053	453	10.6	22,972
458 Surgical removal of tooth	16,799	n.p.	8.1	50,490
1921 Loading of drug delivery device	15,595	0	7.5	15,867
1893 Transfusion of blood and gamma globulin	8,715	n.p.	4.2	9,197
209 Application, insertion or removal procedures on retina, choroid or posterior chamber	7,158	n.p.	3.4	7,208
1651 Local skin flap, simple and small, single stage	6,782	118	3.3	7,505
457 Nonsurgical removal of tooth	4,341	n.p.	2.1	11,322
1884 Immunisation	4,247	n.p.	2.0	4,248
1888 Hyperbaric oxygen therapy	3,965	1,416	1.9	3,965
941 Procedures for haemorrhoids	3,808	n.p.	1.8	4,021
1649 Other full thickness skin graft	3,769	55	1.8	3,932
1265 Curettage of uterus	3,640	15	1.7	3,654
668 Coronary angiography	3,598	1,759	1.7	3,601
1089 Examination procedures on bladder	3,518	0	1.7	3,519
466 Tooth-coloured respiration	3,224	0	1.5	12,576
1517 Arthroscopic meniscectomy of knee with repair	3,139	n.p.	1.5	3,203
766 Vascular infusion device and pump	2,894	43	1.4	2,894
1259 Examination procedures on uterus	2,884	27	1.4	2,884
207 Vitrectomy	2,687	n.p.	1.3	2,730
Other	159,024	156,341	76.3	195,545
No procedure or not reported	3,424	7	1.6	..
<b>Total<sup>(c)</sup></b>	<b>570,475</b>	<b>23,450</b>	<b>273.6</b>	<b>1,193,663</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 *Post-humous organ procurement* have been excluded.

(b) Crude rate based on the Australian estimated resident population as at 31 December 2006.

(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 10.14: Separations<sup>(a)</sup> for the 30 ACHI procedure blocks with the highest number of separations, public hospitals, states and territories, 2006-07**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	375,222	332,936	177,959	121,963	103,764	25,026	18,939	12,655	1,168,464
1916 Generalised allied health interventions	323,840	234,895	142,059	85,527	69,326	18,071	14,976	8,403	897,097
1060 Haemodialysis	240,789	231,537	119,568	83,627	55,482	13,444	20,302	36,956	801,705
1920 Administration of pharmacotherapy	40,147	96,535	37,255	30,342	24,028	5,476	3,904	2,547	240,234
1893 Transfusion of blood and gamma globulin	58,809	53,936	27,088	17,656	16,501	3,621	2,787	1,525	181,923
1952 Computerised tomography of brain	68,604	48,199	24,598	12,325	10,706	3,448	2,801	1,824	172,505
1909 Conduction anaesthesia	50,337	51,883	24,386	15,430	12,424	2,876	2,598	2,281	162,215
1008 Panendoscopy with excision	27,400	22,224	9,789	12,226	8,074	1,341	1,090	919	83,063
905 Fiberoptic colonoscopy	25,502	22,467	9,370	10,234	7,706	1,513	581	680	78,053
1963 Computerised tomography of abdomen and pelvis	31,112	20,969	8,937	2,986	4,594	1,671	616	924	71,809
1912 Postprocedural analgesia	29,736	9,484	7,863	10,101	5,167	1,790	368	205	64,714
911 Fibreoptic colonoscopy with excision	21,719	16,356	7,439	10,693	6,002	1,060	830	572	64,671
1344 Postpartum suture	23,333	14,001	10,029	5,477	3,989	1,152	1,382	687	60,050
738 Venous catheterisation	18,729	13,045	11,634	5,412	4,015	1,443	1,225	1,019	56,522
1340 Caesarean section	18,641	13,750	10,832	5,277	4,022	1,132	890	783	55,327
1620 Excision of lesion of skin and subcutaneous tissue	14,560	16,672	10,867	5,297	5,463	1,201	533	363	54,956
197 Extracapsular crystalline lens extraction by phacoemulsification	18,071	15,051	6,189	6,314	4,685	442	1,122	460	52,334
668 Coronary angiography	16,594	12,491	7,449	5,428	4,474	1,306	1,140	385	49,267
1334 Medical or surgical induction of labour	16,202	11,723	9,168	5,154	4,034	1,028	708	619	48,636
1335 Medical or surgical augmentation of labour	16,704	10,792	9,470	4,401	3,259	982	964	635	47,207
1966 Other computerised tomography	17,474	11,823	7,464	4,214	3,506	1,197	914	591	47,183
2015 Magnetic resonance imaging	17,470	12,921	6,775	4,062	3,293	974	791	373	46,659
1333 Analgesia and anaesthesia during labour and delivery procedure	13,774	9,505	7,454	5,741	3,800	862	767	261	42,164
1089 Examination procedures on bladder	9,271	11,664	5,690	5,614	3,905	837	498	174	37,653
1265 Curettage of uterus	12,077	12,915	5,445	2,953	2,727	431	512	281	37,341
1005 Panendoscopy	9,764	11,839	5,143	4,092	4,079	820	237	341	36,315
1962 Computerised tomography of abdomen	12,776	6,039	5,909	4,450	2,315	368	1,348	364	33,569
607 Examination procedures on ventricle	9,093	9,737	4,847	4,192	3,385	909	999	253	33,415
569 Continuous ventilatory support	10,950	8,774	6,006	2,870	2,703	750	611	562	33,226
1635 Repair of wound of skin and subcutaneous tissue	7,991	7,132	9,481	3,142	1,595	401	478	848	31,068
Other	695,862	615,802	382,027	226,168	185,154	49,982	33,329	23,468	2,211,792
No procedure or not reported	396,709	295,858	227,000	84,627	96,695	25,295	13,465	20,695	1,160,344
<b>Total<sup>(b)</sup></b>	<b>1,462,129</b>	<b>1,314,242</b>	<b>784,630</b>	<b>450,896</b>	<b>390,647</b>	<b>97,156</b>	<b>75,767</b>	<b>85,813</b>	<b>4,661,280</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 ACHI procedure blocks with the highest number of separations, private hospitals, states and territories, 2006-07**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	505,483	409,682	385,664	156,699	125,921	n.p.	n.p.	n.p.	1,648,121
1916 Generalised allied health interventions	135,549	100,839	90,007	31,381	39,814	n.p.	n.p.	n.p.	408,578
905 Fibreoptic colonoscopy	62,142	56,129	44,632	12,286	12,478	n.p.	n.p.	n.p.	193,156
1909 Conduction anaesthesia	66,933	48,117	37,062	16,480	13,175	n.p.	n.p.	n.p.	189,018
1008 Panendoscopy with excision	61,004	48,459	47,511	15,798	9,909	n.p.	n.p.	n.p.	186,995
911 Fibreoptic colonoscopy with excision	56,606	42,790	41,693	18,829	9,133	n.p.	n.p.	n.p.	173,290
1920 Administration of pharmacotherapy	33,358	52,537	42,212	20,585	16,049	n.p.	n.p.	n.p.	172,723
1060 Haemodialysis	21,382	29,984	52,871	20,446	16,973	n.p.	n.p.	n.p.	141,688
197 Extracapsular crystalline lens extraction by phacoemulsification	40,767	22,615	29,517	8,945	8,765	n.p.	n.p.	n.p.	116,125
1620 Excision of lesion of skin and subcutaneous tissue	27,826	21,758	24,809	9,328	10,499	n.p.	n.p.	n.p.	98,788
1893 Transfusion of blood and gamma globulin	16,445	21,738	26,218	8,200	7,468	n.p.	n.p.	n.p.	82,891
458 Surgical removal of tooth	23,449	20,249	16,196	10,799	6,364	n.p.	n.p.	n.p.	79,464
1912 Postprocedural analgesia	21,361	7,275	11,567	9,541	5,552	n.p.	n.p.	n.p.	56,906
668 Coronary angiography	18,107	14,701	13,265	4,215	4,006	n.p.	n.p.	n.p.	56,357
1921 Loading of drug delivery device	5,554	12,914	26,385	6,248	3,678	n.p.	n.p.	n.p.	55,760
1005 Panendoscopy	11,466	22,313	10,604	2,585	4,867	n.p.	n.p.	n.p.	52,911
1089 Examination procedures on bladder	13,962	11,512	12,683	6,007	4,215	n.p.	n.p.	n.p.	51,077
1267 Evacuation of gravid uterus	10,204	16,709	15,967	3,986	855	n.p.	n.p.	n.p.	48,328
607 Examination procedures on ventricle	12,245	12,420	11,344	3,890	3,325	n.p.	n.p.	n.p.	44,670
1297 Procedures for reproductive medicine	16,329	9,469	9,454	2,468	3,354	n.p.	n.p.	n.p.	43,002
1873 Psychological/psychosocial therapies	20,403	3,419	13,578	5,156	238	n.p.	n.p.	n.p.	42,904
1265 Curettage of uterus	12,667	11,884	8,510	3,196	2,409	n.p.	n.p.	n.p.	40,498
1517 Arthroscopic meniscectomy of knee with repair	9,281	8,271	7,230	3,783	5,253	n.p.	n.p.	n.p.	35,627
1340 Caesarean section	8,828	8,063	8,430	4,298	2,255	n.p.	n.p.	n.p.	33,439
1828 Sleep study	9,668	9,039	7,937	1,886	3,237	n.p.	n.p.	n.p.	32,912
1259 Examination procedures on uterus	9,501	9,351	7,089	2,860	2,505	n.p.	n.p.	n.p.	32,868
1333 Analgesia and anaesthesia during labour and delivery procedure	8,428	6,390	4,521	3,947	2,196	n.p.	n.p.	n.p.	26,409
412 Tonsillectomy or adenoidectomy	9,145	4,519	5,891	2,782	2,052	n.p.	n.p.	n.p.	25,540
990 Repair of inguinal hernia	7,980	5,631	5,613	2,497	1,950	n.p.	n.p.	n.p.	24,957
766 Vascular infusion device and pump	3,446	8,309	8,873	1,832	1,366	n.p.	n.p.	n.p.	24,712
Other	588,320	465,257	444,696	218,346	169,035	n.p.	n.p.	n.p.	1,967,578
No procedure or not reported	29,403	79,020	55,925	17,479	14,643	n.p.	n.p.	n.p.	210,614
<b>Total<sup>(b)</sup></b>	<b>808,376</b>	<b>761,417</b>	<b>742,014</b>	<b>289,163</b>	<b>229,324</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>2,941,637</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 10.16: Average length of stay<sup>(a)</sup> (days) for the 30 ACHI procedure blocks with the highest number of separations, public hospitals, states and territories, 2006–07**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	4.1	3.3	3.9	3.4	3.7	4.0	3.9	4.6	3.7
1916 Generalised allied health interventions	10.9	10.5	10.9	10.9	11.1	11.0	10.1	11.3	10.8
1060 Haemodialysis	1.3	1.2	1.3	1.2	1.3	1.2	1.2	1.3	1.2
1920 Administration of pharmacotherapy	8.4	3.9	6.0	3.8	3.5	5.2	6.5	5.1	5.0
1893 Transfusion of blood and gamma globulin	10.8	8.1	9.7	9.1	8.8	9.9	11.6	13.8	9.5
1952 Computerised tomography of brain	9.9	8.0	10.8	11.7	12.7	10.5	9.3	10.1	9.8
1909 Conduction anaesthesia	5.0	4.3	5.1	6.0	4.7	6.6	4.3	7.0	4.9
1008 Panendoscopy with excision	3.5	2.6	3.4	2.2	3.1	3.6	3.7	3.7	3.0
905 Fiberoptic colonoscopy	2.6	2.2	2.8	1.9	2.3	3.1	3.1	2.9	2.4
1963 Computerised tomography of abdomen and pelvis	9.8	9.1	9.5	9.8	11.7	9.4	7.5	10.5	9.6
1912 Postprocedural analgesia	8.2	8.7	7.9	7.0	9.9	9.1	8.3	11.2	8.2
911 Fiberoptic colonoscopy with excision	2.9	2.4	3.3	2.0	2.6	3.2	3.1	2.5	2.6
1344 Postpartum suture	3.2	3.0	2.8	3.3	3.3	3.2	2.8	3.7	3.1
738 Venous catheterisation	20.6	20.2	18.2	20.6	21.9	17.8	18.3	20.6	20.0
1340 Caesarean section	5.0	5.0	4.2	5.1	5.6	4.7	4.7	6.3	4.9
1620 Excision of lesion of skin and subcutaneous tissue	2.5	1.9	1.9	2.2	1.9	1.8	1.7	3.7	2.1
197 Extracapsular crystalline lens extraction by phacoemulsification	1.1	1.0	1.0	1.1	1.0	1.2	1.0	2.4	1.1
668 Coronary angiography	5.9	4.4	5.0	3.6	3.9	3.5	2.1	7.5	4.8
1334 Medical or surgical induction of labour	3.9	3.7	3.5	3.9	4.2	3.7	3.5	4.9	3.8
1335 Medical or surgical augmentation of labour	3.2	3.1	2.7	3.4	3.2	3.1	3.0	3.8	3.1
1966 Other computerised tomography	11.5	9.4	10.9	10.2	12.1	10.6	10.4	11.9	10.8
2015 Magnetic resonance imaging	13.8	12.1	13.7	13.3	16.1	15.9	14.1	17.4	13.5
1333 Analgesia and anaesthesia during labour and delivery procedure	4.1	4.0	3.7	4.1	4.2	4.0	3.8	4.8	4.0
1089 Examination procedures on bladder	2.6	2.0	2.1	2.5	2.1	2.9	7.2	3.8	2.4
1265 Curettage of uterus	1.2	1.1	1.2	1.2	1.2	1.2	1.1	1.6	1.2
1005 Panendoscopy	7.1	5.3	6.2	4.9	4.8	6.5	9.6	7.7	5.9
1962 Computerised tomography of abdomen	9.8	7.3	9.2	9.8	9.5	8.1	9.2	10.0	9.2
607 Examination procedures on ventricle	5.5	4.1	4.3	3.2	3.5	3.2	2.0	6.8	4.3
569 Continuous ventilatory support	19.7	18.9	18.7	20.8	22.7	19.3	18.4	18.7	19.6
1635 Repair of wound of skin and subcutaneous tissue	4.7	3.8	4.3	5.4	3.9	5.0	5.2	4.8	4.4
<b>Total</b>	<b>4.1</b>	<b>3.4</b>	<b>3.7</b>	<b>3.6</b>	<b>4.1</b>	<b>4.2</b>	<b>3.4</b>	<b>3.0</b>	<b>3.7</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.



**Table 10.17: Average length of stay<sup>(a)</sup> (days) for the 30 ACHI procedure blocks with the highest number of separations, private hospitals, states and territories, 2006–07**

Procedure block	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
1910 Cerebral anaesthesia	1.8	2.0	2.1	2.1	2.1	n.p.	n.p.	n.p.	2.0
1916 Generalised allied health interventions	6.8	8.7	8.6	9.8	7.0	n.p.	n.p.	n.p.	8.0
905 Fiberoptic colonoscopy	1.1	1.3	1.4	1.5	1.4	n.p.	n.p.	n.p.	1.3
1909 Conduction anaesthesia	2.9	3.9	4.0	5.3	3.7	n.p.	n.p.	n.p.	3.7
1008 Panendoscopy with excision	1.2	1.4	1.5	1.6	1.6	n.p.	n.p.	n.p.	1.4
911 Fiberoptic colonoscopy with excision	1.1	1.3	1.4	1.3	1.4	n.p.	n.p.	n.p.	1.3
1920 Administration of pharmacotherapy	2.1	2.3	2.7	2.3	2.1	n.p.	n.p.	n.p.	2.3
1060 Haemodialysis	1.2	1.2	1.2	1.1	1.1	n.p.	n.p.	n.p.	1.2
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	1.4	1.4	1.4	1.5	1.2	n.p.	n.p.	n.p.	1.4
1893 Transfusion of blood and gamma globulin	8.7	8.1	6.8	9.1	8.5	n.p.	n.p.	n.p.	7.9
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	6.0	7.1	6.8	6.7	6.3	n.p.	n.p.	n.p.	6.5
668 Coronary angiography	2.4	3.3	3.5	2.9	3.6	n.p.	n.p.	n.p.	3.0
1921 Loading of drug delivery device	1.2	1.4	1.5	1.5	1.6	n.p.	n.p.	n.p.	1.4
1005 Panendoscopy	1.7	1.8	3.1	3.3	1.9	n.p.	n.p.	n.p.	2.1
1089 Examination procedures on bladder	1.7	1.8	1.8	2.3	1.8	n.p.	n.p.	n.p.	1.8
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	2.5	3.1	3.3	2.8	3.4	n.p.	n.p.	n.p.	2.9
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	4.9	16.4	2.9	4.8	12.9	n.p.	n.p.	n.p.	5.3
1265 Curettage of uterus	1.1	1.1	1.1	1.1	1.2	n.p.	n.p.	n.p.	1.1
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
1340 Caesarean section	5.6	5.6	5.1	6.3	5.9	n.p.	n.p.	n.p.	5.6
1828 Sleep study	1.0	1.1	1.3	1.3	1.0	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
1333 Analgesia and anaesthesia during labour and delivery procedure	4.9	4.8	4.5	5.4	5.1	n.p.	n.p.	n.p.	4.9
412 Tonsillectomy or adenoidectomy	1.0	1.1	1.0	1.1	1.1	n.p.	n.p.	n.p.	1.1
990 Repair of inguinal hernia	1.4	1.4	1.4	1.7	1.6	n.p.	n.p.	n.p.	1.4
766 Vascular infusion device and pump	1.7	1.5	2.1	2.6	2.1	n.p.	n.p.	n.p.	1.9
<b>Total</b>	<b>2.4</b>	<b>2.6</b>	<b>2.6</b>	<b>2.6</b>	<b>2.6</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.p.</b>	<b>2.5</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.

**Table 10.18: Separations<sup>(a)</sup> for males for the 30 ACHI procedure blocks with the highest number of separations, by age group, all hospitals, Australia, 2006–07**

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	10,558	42,946	71,903	102,730	99,591	138,116	181,500	240,791	218,921	166,436	37,098	1,310,591
1916 Generalised allied health interventions	10,017	6,291	13,117	30,659	34,116	43,722	58,616	90,705	109,192	133,646	58,778	588,870
1060 Haemodialysis	10	62	294	6,807	19,014	48,747	80,425	115,319	138,294	132,143	18,678	559,793
1920 Administration of pharmacotherapy	19,243	3,649	5,299	5,705	6,335	10,675	22,026	42,057	45,594	30,099	5,299	195,981
1909 Conduction anaesthesia	1,894	2,749	3,217	5,827	5,572	7,153	12,416	25,592	36,143	37,156	8,967	146,686
1893 Transfusion of blood and gamma globulin	2,023	1,719	3,672	4,248	4,304	6,563	12,744	22,774	30,157	33,990	11,967	134,162
905 Fiberoptic colonoscopy	7	27	119	1,810	6,330	15,311	25,434	30,754	23,669	15,031	2,661	121,153
911 Fiberoptic colonoscopy with excision	38	161	529	2,615	5,434	11,306	21,697	31,913	28,018	16,073	2,403	120,187
1008 Panendoscopy with excision	146	675	1,622	4,408	8,627	15,216	21,456	26,754	21,979	14,794	2,990	118,667
1952 Computerised tomography of brain	586	1,107	2,378	7,680	7,440	8,074	9,615	12,839	16,096	23,278	10,921	100,014
1620 Excision of lesion of skin and subcutaneous tissue	198	707	1,652	2,159	3,240	6,072	10,306	15,819	16,158	18,384	6,864	81,559
197 Extracapsular crystalline lens extraction by phacoemulsification	0	7	17	98	158	636	2,996	9,878	21,540	29,271	6,154	70,755
668 Coronary angiography	26	28	28	132	541	3,274	10,866	19,975	19,491	13,029	1,620	69,010
1089 Examination procedures on bladder	103	173	335	677	1,168	2,419	5,092	10,855	14,470	14,079	3,741	53,112
607 Examination procedures on ventricle	52	43	32	85	420	2,470	8,161	15,028	14,056	8,891	1,019	50,257
1912 Postprocedural analgesia	262	300	1,465	3,315	3,028	4,025	5,840	10,355	10,645	6,692	1,085	47,012
1963 Computerised tomography of abdomen and pelvis	16	66	459	2,634	3,518	5,050	6,397	7,668	7,829	7,881	2,754	44,272
1005 Panendoscopy	24	103	209	1,063	2,219	4,127	6,761	8,967	8,600	7,479	2,214	41,766
738 Venous catheterisation	3,619	528	848	1,620	1,918	2,904	4,851	7,677	8,445	6,957	1,589	40,956
990 Repair of inguinal hernia	1,450	1,605	1,233	1,555	2,714	4,305	6,495	8,441	6,993	4,458	887	40,136
458 Surgical removal of tooth	0	564	3,159	17,827	7,619	3,922	2,664	2,086	1,117	705	204	39,867
1921 Loading of drug delivery device	29	395	544	658	695	1,722	5,487	12,376	10,990	4,353	348	37,597
1566 Excision procedures on other musculoskeletal sites	39	642	1,534	4,585	4,233	4,691	4,997	5,026	3,294	2,504	850	32,395
2015 Magnetic resonance imaging	1,081	1,442	1,769	1,616	1,898	2,777	3,767	5,130	5,212	4,795	1,158	30,645
1966 Other computerised tomography	56	49	122	1,028	1,580	2,482	3,707	5,534	6,675	6,286	1,634	29,153
1828 Sleep study	193	556	681	579	1,797	4,331	6,439	7,009	3,747	1,710	185	27,227
1517 Arthroscopic meniscectomy of knee with repair	0	0	60	1,207	2,173	4,503	6,775	6,410	2,820	896	89	24,933
671 Transluminal coronary angioplasty with stenting	0	0	1	7	99	1,155	4,375	7,575	6,817	4,205	553	24,787
569 Continuous ventilatory support	3,159	364	381	1,510	1,504	1,769	2,455	3,357	3,979	3,734	719	22,932
412 Tonsillectomy or adenoidectomy	52	7,985	8,991	3,106	1,252	650	249	146	64	22	4	22,521
Other	47,396	55,327	99,549	137,924	144,071	190,004	240,814	337,406	318,955	261,679	71,555	1,904,687
Procedures reported	43,702	54,178	93,613	152,214	181,940	270,408	389,644	560,377	576,765	515,840	133,864	2,965,612
No procedure or not reported	39,334	43,355	38,325	49,124	56,058	65,817	68,662	77,168	72,832	75,396	29,828	615,903
<b>Total<sup>(c)</sup></b>	<b>83,036</b>	<b>97,533</b>	<b>131,938</b>	<b>201,338</b>	<b>231,064</b>	<b>336,225</b>	<b>458,306</b>	<b>637,545</b>	<b>649,597</b>	<b>591,236</b>	<b>163,692</b>	<b>3,581,515</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 ACHI procedure blocks with the highest number of separations, by age group, all hospitals, Australia, 2006–07**

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	5,143	27,354	52,714	130,833	171,192	218,020	233,280	239,791	205,244	172,912	49,469	1,506,952
1916 Generalised allied health interventions	7,940	4,828	10,499	39,765	80,605	62,418	59,402	80,991	103,241	160,546	106,541	1,716,776
1060 Haemodialysis	2	26	347	4,426	15,159	31,880	53,511	82,346	103,592	82,877	9,433	383,599
1920 Administration of pharmacotherapy	14,903	3,120	4,244	5,172	9,315	21,788	38,996	50,091	39,739	24,474	5,132	216,974
1909 Conduction anaesthesia	243	462	1,027	10,220	43,055	25,814	11,498	21,416	34,424	42,885	13,497	204,541
1008 Panendoscopy with excision	99	472	1,655	7,989	11,489	20,007	30,132	32,693	24,965	17,524	4,364	151,389
905 Fibreoptic colonoscopy	6	16	85	3,061	7,528	18,612	33,234	37,728	27,919	18,256	3,611	150,056
1893 Transfusion of blood and gamma globulin	1,424	1,078	2,486	4,633	8,408	9,692	13,206	18,327	24,231	30,364	16,799	130,648
911 Fibreoptic colonoscopy with excision	27	92	418	4,285	7,210	12,808	21,877	28,391	24,125	15,618	2,923	117,774
197 Extracapsular crystalline lens extraction by phacoemulsification	1	4	13	65	161	567	3,044	11,180	29,737	42,793	10,135	97,700
1952 Computerised tomography of brain	418	753	1,384	4,171	4,923	6,297	7,839	9,159	12,385	25,003	19,671	92,003
1340 Caesarean section	0	0	9	10,857	52,567	25,074	257	1	0	0	0	88,765
1344 Postpartum suture	0	0	32	16,261	50,350	16,056	73	3	0	0	0	82,775
1267 Evacuation of gravid uterus	0	0	189	25,577	32,363	19,433	555	4	0	0	0	78,125
1265 Curettage of uterus	0	1	44	4,349	13,813	22,787	22,398	8,875	3,726	1,578	2	77,838
1912 Postprocedural analgesia	167	271	1,120	4,887	15,541	12,482	9,154	10,499	10,617	8,181	1,686	74,605
1620 Excision of lesion of skin and subcutaneous tissue	185	689	1,829	2,655	4,466	7,673	11,197	12,377	10,961	13,222	6,931	72,185
1334 Medical or surgical induction of labour	0	0	25	13,300	43,007	15,266	101	0	0	0	0	71,699
1333 Analgesia and anaesthesia during labour and delivery procedure	0	0	20	12,476	42,348	13,664	64	0	0	0	0	68,573
1335 Medical or surgical augmentation of labour	0	0	25	15,009	37,034	10,564	47	0	0	0	0	62,679
1259 Examination procedures on uterus	0	2	42	3,134	11,459	18,092	17,536	6,166	2,578	1,144	212	60,365
458 Surgical removal of tooth	1	420	3,875	27,749	9,924	4,371	3,134	2,093	1,017	811	288	53,683
1005 Panendoscopy	24	87	165	1,540	2,578	4,824	7,912	9,813	9,208	8,391	2,917	47,459
1297 Procedures for reproductive medicine	0	0	0	504	18,086	27,358	956	2	0	0	0	46,907
1921 Loading of drug delivery device	56	293	593	588	1,157	4,371	10,083	13,896	8,840	3,360	324	43,561
1963 Computerised tomography of abdomen and pelvis	14	53	266	2,381	3,468	4,777	5,729	6,079	6,468	8,301	4,428	41,964
668 Coronary angiography	20	31	29	54	181	1,219	4,406	8,765	10,680	9,789	1,440	36,614
1089 Examination procedures on bladder	68	137	229	657	1,463	4,033	6,906	8,076	6,985	5,634	1,429	35,617
1343 Other procedures associated with delivery	0	0	16	6,053	21,128	6,265	30	0	0	0	0	33,495
965 Cholecystectomy	3	6	83	2,418	5,421	6,254	6,275	5,835	3,860	2,219	497	32,871
Other	36,526	45,421	82,282	154,399	269,946	296,506	314,350	328,436	285,792	265,143	100,194	2,178,996
Procedures reported <sup>(c)</sup>	28,843	36,011	69,678	228,692	417,364	419,749	430,602	501,131	486,056	468,457	179,327	3,265,911
No procedure or not reported	31,838	32,932	29,885	100,876	139,959	93,374	69,825	65,589	62,661	79,646	48,429	755,017
<b>Total<sup>(c)</sup></b>	<b>60,681</b>	<b>68,943</b>	<b>99,563</b>	<b>329,568</b>	<b>557,323</b>	<b>513,123</b>	<b>500,427</b>	<b>566,720</b>	<b>548,717</b>	<b>548,103</b>	<b>227,756</b>	<b>4,020,928</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 a 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 ACHI chapters, by Indigenous status<sup>(b)</sup>, all hospitals, selected states and territories<sup>(c)</sup>, 2006–07

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 Australians	Other Australians	Indigenous (%)	Other Australians	Indigenous Australians	Other Australians	
1–86	2,079	203,438	0.6	10.1	5.5	10.1	0.5
110–129	152	13,337	0.0	0.7	0.5	0.7	0.8
160–256	2,209	267,004	0.7	13.0	12.0	13.0	0.9
300–333	1,999	53,438	0.6	2.9	3.0	2.9	1.1
370–422	2,078	193,606	0.6	10.0	4.1	10.0	0.4
450–490	14,024	495,377	4.3	26.3	20.0	26.3	0.8
520–569	6,039	174,645	1.8	8.7	16.4	8.7	1.9
600–767	9,698	561,316	3.0	27.3	34.2	27.3	1.2
800–817	484	51,235	0.1	2.5	1.7	2.5	0.7
850–1011	11,843	1,353,061	3.6	66.8	41.3	66.8	0.6
1040–1129	111,331	1,086,646	34.0	53.0	476.8	53.0	9.0
1060	107,405	803,294	32.8	39.2	461.0	39.2	11.8
	3,926	283,352	1.2	13.8	15.8	13.8	1.1
<i>Other than haemodialysis in procedure block 1040–1128</i>							
1160–1203	843	100,633	0.3	5.1	2.1	5.1	0.4
1240–1299	6,576	474,784	2.0	24.6	15.9	24.6	0.6
1330–1347	14,918	477,577	4.6	25.5	26.2	25.5	1.0
1360–1579	11,393	679,577	3.5	34.1	27.7	34.1	0.8
1600–1718	11,580	578,528	3.5	28.8	28.2	28.8	1.0
1740–1759	493	66,539	0.2	3.3	1.7	3.3	0.5
1786–1799	192	16,080	0.1	0.8	0.8	0.8	1.0
1820–1922	104,340	6,720,634	31.9	333.0	323.4	333.0	1.0
1940–2016	15,113	766,527	4.6	37.7	51.4	37.7	1.4
<b>Total (excluding haemodialysis)</b>	<b>219,979</b>	<b>13,530,688</b>	<b>67.2</b>	<b>637.1</b>	<b>580.5</b>	<b>637.1</b>	<b>0.9</b>
<b>Total (including haemodialysis)</b>	<b>327,384</b>	<b>14,333,982</b>	<b>100.0</b>	<b>714.0</b>	<b>1,092.9</b>	<b>714.0</b>	<b>1.5</b>

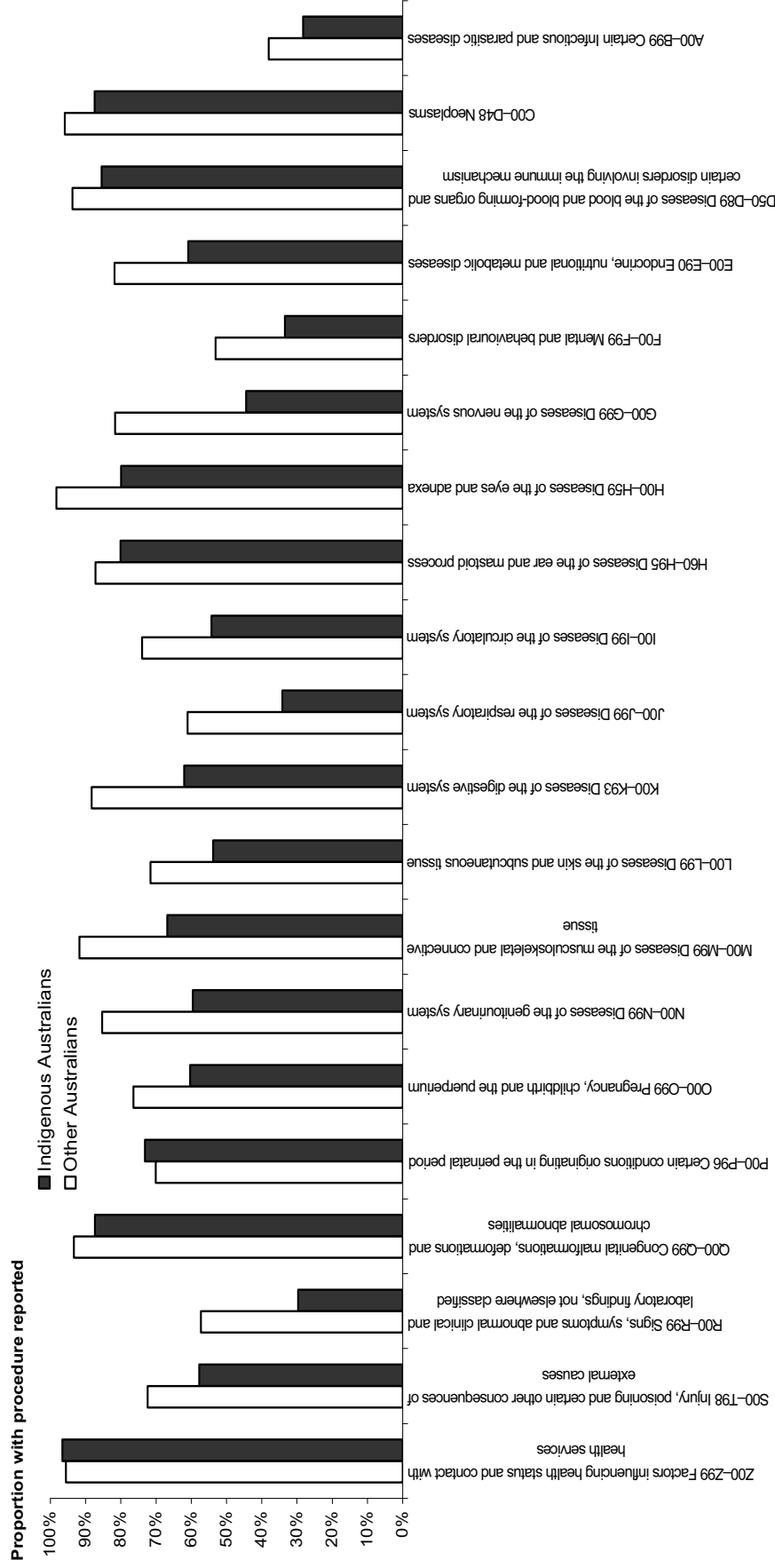
(a) Separations for which the care type was reported as *Newborn* with no qualified days, and records for *Hospital boarders* and *Posthumous organ procurement* have been excluded.

(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 New South Wales, Victoria, Queensland, Western Australia, South Australia and the Northern Territory (public hospitals only). Caution should be used in the interpretation of these data due to differences in data quality. It should also be noted that the data presented here are not necessarily representative of the jurisdictions excluded.

(d) The rates were directly age-standardised as detailed in Appendix 1. The rate for *Other Australians* includes *Indigenous status not reported*.

(e) The rate ratio is equal to the rate for *Indigenous Australians* divided by the rate for *Other Australians*.



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 New South Wales, Victoria, 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, 2006-07