

8 Principal and additional procedures for admitted patients

Introduction

The *National Health Data Dictionary* (NHDC 1996) defines a procedure as an intervention that is surgical in nature, carries a procedural risk, carries an anaesthetic risk, requires specialised training, or requires special facilities or equipment only available in an acute setting. The principal procedure is defined as the most significant procedure that was performed for treatment of the principal diagnosis. However, the dictionary also states that when no procedure was performed for treatment of the principal diagnosis, other procedures can be reported as the principal procedure. In order, these are a procedure performed for treatment of an additional diagnosis, a diagnostic/exploratory procedure related to the principal diagnosis or a diagnostic/exploratory procedure related to an additional diagnosis. Procedures therefore encompass surgical procedures and also non-surgical investigative and therapeutic procedures such as X-rays and chemotherapy.

Most States and Territories use this dictionary definition; however, Victoria only designates a procedure as the principal procedure if it was performed for treatment of the principal diagnosis.

Procedures are not undertaken during all hospital admissions so only a proportion of the separation records includes principal (or additional) procedure data. For example, principal procedures were reported for only 36% of separations with a principal diagnosis within the *Infectious and parasitic diseases* chapter.

Principal and additional procedures are classified, coded and reported to the National Hospital Morbidity Database using the *Australian Version of the International Classification of Diseases, 9th Revision, Clinical Modification (ICD-9-CM)* (National Coding Centre 1996). This classification is hierarchical, with a small number of summary procedure chapters which are divided into 98 more specific procedure groupings (represented by 2-digit codes) which, in turn, are divided into a larger number of very specific procedure categories represented by 3- and 4-digit codes. The tables and figures in this chapter use the codes and abbreviated descriptions of the ICD-9-CM procedure classification. Full descriptions of the categories are available in the ICD-9-CM publication.

Most of the information is presented using three methods of grouping records based on the ICD-9-CM procedure classification:

- ICD-9-CM procedure chapters— these 16 groups provide information aggregated at the ICD-9-CM chapter level (Figures 8.1 and 8.2);
- ICD-9-CM procedure groupings— these 65 groups were chosen to provide more detailed information than ICD-9-CM chapters, but still cover the entire procedure

classification at a manageable level (Tables 8.2 to 8.9). Tables 8.19 and 8.20 present counts of all procedures (principal and additional) using these groupings; and

- 3-digit ICD-9-CM groupings— about 900 categories describe procedures at a quite specific level. Detailed information is presented for the 30 of these groups with the highest number of separations (Tables 8.11 to 8.18) and summary information is provided for all of the groups (for which separations were reported) on the Internet at <http://www.aihw.gov.au> (Tables D3 and D4).

In addition,

- Table 8.1 presents information for ‘sentinel’ procedures based on groupings of 3- and 4-digit ICD-9-CM categories (detailed in Appendix 4); and
- Table 8.10 presents information on the number of procedures reported (principal and additional procedures).

Tables are presented with summary separation, patient day and length of stay statistics for public and private hospitals, nationally and by State and Territory. National information on age group and sex distributions is also presented. The data on relative rankings of the various procedure groups (by numbers of separations or patient days) depend to some extent on the chosen groups of procedure codes.

Some data for private hospitals in Tasmania and the Australian Capital Territory have not been included in Tables 8.5, 8.7, 8.14, 8.16 and 8.20. These data were supplied but are not published, for confidentiality reasons. Western Australia was not able to supply data on procedures for its public psychiatric hospitals.

Highlights

Overall, there were 3.8 million separations for which a principal procedure was reported, 71% of total separations. Fourteen million patient days were reported for separations with a principal procedure, 63% of the total.

ICD-9-CM chapters

Figures 8.1 and 8.2 provide a summary of the proportions of separations and patient days reported for each of the ICD-9-CM procedure chapters.

The chapter with the highest proportion of separations in the public sector was *Miscellaneous diagnostic and therapeutic procedures*, followed by *Operations on the cardiovascular system* and *Operations on the digestive system*. The highest proportions of patient days were reported for the *Miscellaneous diagnostic and therapeutic procedures* and *Operations on the digestive system* chapters.

In the private sector, *Operations on the digestive system* had the largest number of separations, followed by *Miscellaneous diagnostic and therapeutic procedures* and *Operations on the musculoskeletal system*. The *Miscellaneous diagnostic and therapeutic procedures* and *Operations on the digestive system* chapters accounted for the highest proportions of patient days.

For the public and private sectors combined, the two chapters with the most separations were *Miscellaneous diagnostic and therapeutic procedures* and *Operations on the digestive system*. The largest proportions of patient days were reported for *Miscellaneous diagnostic and therapeutic procedures* and *Operations on the digestive system*.

Principal procedures were reported for varying proportions of separations in the ICD-9-CM chapter principal diagnoses groups. High proportions of separations for the *Neoplasms* (88%, 316,784), *Diseases of the blood and blood-forming organs* (85%, 53,619), *Diseases of the nervous system and sense organs* (84%, 240,310) and *Diseases of the genitourinary system* (83%, 286,857) chapters had principal procedures reported. In contrast, principal procedures were reported for smaller proportions of separations with principal diagnoses in the *Mental disorders* (29%, 58,895), *Infectious and parasitic diseases* (36%, 28,961) and *Diseases of the respiratory system* (44%, 137,586) chapters.

Sentinel procedures

Separation rates for sentinel procedures are a performance indicator within the framework for reviewing the performance of public acute hospitals (NHMBWG 1996, SCRCSSP 1997, 1998). The procedures have been selected as sentinel procedures because of the frequency with which they are undertaken and because they are often elective and discretionary, that is, there are often treatment alternatives available. Thus, the population rates for separations for which these procedures are reported is an indicator of the appropriateness of care delivered within public hospitals.

Table 8.1 provides information, by State or Territory of usual residence of the patient, on separation rates for ten sentinel procedures including caesarean section, lens insertion, coronary artery bypass graft and appendicectomy. Separations were included for which the sentinel procedures were reported either as the principal procedure and/or an additional procedure and the ICD-9-CM codes that have been used to define each of the procedures are listed in Appendix 4. Age- and sex-standardised separation rates are presented to take account of the different age and sex structures of the populations of the States and Territories.

In order to compare intervention rates across jurisdictions, the standardised rate for each procedure for each State and Territory is accompanied by the standardised rate for all other jurisdictions excluding the reference State or Territory. For example, the rate for appendicectomy in Victoria was 1.5 separations per 1,000 population. The standardised rate for all other States and Territories combined was 1.4 per 1,000 population. Thus, Victoria had a separation rate for appendicectomy that was 9.9% higher than the rate for all other jurisdictions combined. This difference was statistically significant (that is, there is less than 1% chance that the difference between Victoria and the other jurisdictions occurred by chance).

The most common procedures were endoscopy and lens insertion, separations for which were reported at a rate of 24.0 and 5.1 per 1,000 population, respectively. There was marked variation in rates among the jurisdictions for these (and other) procedures; some of this may reflect differences in the coverage of private free-standing day hospital facilities in the database.

Caesarean section was the third most common procedure. The rate was highest in South Australia and lowest in the Northern Territory (3.2 and 2.4 per 1,000 population, respectively). The separation rate for coronary artery bypass graft procedures was highest in New South Wales (at 1.0 per 1,000 population) and Victoria had the highest rate for angioplasty (0.9 per 1,000 population). Separations for hip replacements were most frequent in Tasmania (1.4 per 1,000 population) as were separations for hysterectomy (2.3 per 1,000 population). Separations for tonsillectomy were significantly more frequent in South Australia (2.5 per 1,000 population) than in other jurisdictions.

Broad procedure groupings

Sector

Public hospitals accounted for 63% of the separations with reported principal procedures (2,394,290), although they accounted for 68% of the separations overall (Tables 8.2 and 8.3). Similarly, although 74% of overall patient days were in public hospitals, only 70% of patient days associated with principal procedures were in public hospitals (980,5883). This reflected the higher proportion of separations in the private sector that were reported with a principal procedure, compared with the public sector. In public hospitals, 66% of total separations involved a principal procedure (2,394,290), and these separations were associated with 60% of total patient days (9,805,883) (Table 8.2). In contrast, in private hospitals, 82% of total separations involved a principal procedure (1,381,606), and these separations were associated with 72% of total patient days (4,185,011) (Table 8.3).

The group of principal procedures which accounted for a large number of separations in public hospitals was *Other operations on vessels* (390–399). The principal procedure which was reported for most of these separations was *Haemodialysis* (39.95); this was reported for 97% (349,351) of this group. Other non-operative procedures (990–999) was the second most frequently reported group; *Injection or infusion of cancer chemotherapeutic substance* (99.25) was the most commonly reported individual procedure (140,131, 52% of this group).

In private hospitals the largest group of principal procedures *Incision, excision and anastomosis of intestine* (450–459). The principal procedures which accounted for most of the separations in this group were diagnostic endoscopies (45.13, 45.16, 45.23, 45.25, 45.42): 183,015, 59% of the group overall.

States and Territories

Tables 8.4 to 8.7 contain detail on the pattern of hospital use in the States and Territories for the procedure groups, in both the public and private sector. These tables enable State by State comparisons of overall hospital use for the different procedure groups, and the share of separations between the private and public sector. For example, the proportion of total separations for *Operations on skull, brain and cerebral meninges* (010–029) in public hospitals (rather than private hospitals) was higher in New South Wales (88%, 2,553) than in Queensland (70%, 1,188). The proportion of total patient days for *Operations on appendix* (470–479) that were in private hospitals varied markedly by State, from 34% (4,876) in Queensland to 16% (4,519) in New South Wales.

Age group and sex

In Tables 8.8 and 8.9, information on the number of separations by age group and principal procedure groups is presented for males and females. These tables show a number of different patterns in the age distributions of separations for the various procedure groups. For example, patients admitted for *Reconstructive and other operations on middle and inner ear* (190–209) were mostly in the younger age groups, while the opposite was the case for *Operations on heart and pericardium* (370–379). Other groups of procedures had a peak in the middle age groups, for example *Operations on nose and nasal sinuses* (210–229) and *Incision, excision and anastomosis of intestine* (450–459).

These tables also indicate the relative importance of the procedure groups as causes of hospitalisation for each sex and age group. For example, males in the 15 to 24 years age group commonly had procedures in the *Operations on teeth, gums and alveoli* (230–249) and

Operations on skin and subcutaneous tissue (860–869) groups. For females, the age group with the highest number of separations with a principal procedure was the 25 to 34 years age group. Older females were more frequently reported for principal procedure groups such as *Operations on lens* (130–139) and *Physical and respiratory therapy, rehabilitation and related procedures* (930–939).

Number of procedure codes

Table 8.10 presents information on the number of procedure codes (principal and additional) reported to the National Hospital Morbidity Database. There were marked differences between the States and Territories in the maximum number of procedures reported (for example, in the public sector, 26 procedures for Queensland and Tasmania and 15 for Australian Capital Territory; however, the average number of procedure codes per separation varied little among the jurisdictions, for both the public and private sectors. The Institute requested a maximum of 26 codes so this may have restricted the number of codes reported by some jurisdictions.

In the public sector 7% of records had five or more procedure codes, but in the private sector only 4% of records fell into this category. This may have been due to more complicated cases being treated in public hospitals, or differences in coding practices between the sectors.

High volume procedures

Tables 8.11 to 8.18 present information on the most common principal procedures (at the 3-digit level of the ICD-9-CM classification). Tables 8.11 and 8.12 contain summary separation, patient day and average length of stay statistics for the 30 procedures with the most separations in public and private hospitals.

In the public sector, the most common principal procedure groups were *Other operations on vessels* (399) (99.8% of which, 349,351, were for haemodialysis, code 39.95) and *Injection or infusion of other therapeutic or prophylactic substance* (992) (74% of which, 140,131, were for chemotherapy, code 99.25).

For both of those the average length of stay was relatively short; the proportion of separations that were same day separations was 99% (345,677) and 78% (148,498) respectively. The highest numbers of patient days were reported for the *Diagnostic physical therapy* (930) (408,902) for which the average length of stay was 13 days and for *Other operations on vessels* (399) (369,593).

In the private sector, the most frequent principal procedure was *Diagnostic procedure on large intestine* (452) (85,650) with the second most frequent being *Diagnostic procedures on small intestine* (451) (82,235). Diagnostic endoscopies comprised 93% (156,463) of these two groups, combined. The principal procedure with the highest number of patient days (240,833), *Joint replacement of lower extremity* (815), also had the longest average length of stay (13 days).

There was some variation between the States and Territories in the relative number of separations for the most common procedures (Tables 8.13 and 8.14). For example, in the public sector Victoria had relatively low numbers of separations for *Extracapsular extraction of lens by fragmentation and aspiration technique* (134) (1,376 separations) and *Repair and plastic operations on the nose* (218) (922 separations). Information on the average lengths of stay by State and Territory is presented in Tables 8.15 and 8.16.

Age and sex

There was no difference between males and females in the proportion of separations with principal procedures, with both groups recording 71% (1,728,319 and 2,046,892, respectively, Tables 8.17 and 8.18). For both males and females, the two groups of principal procedures with the most separations were *Other operations on vessels* (399) and *Injection or infusion of other therapeutic or prophylactic substance* (992).

For males, the age group for which the highest number of separations with principal procedures was reported was the 65 to 74 years age group (451,282) (Table 8.17). However, there was a great variation in the age distribution for the different 3-digit procedures, with males under the age of 5 years being the most commonly reported for the *Respiratory therapy* group, for example. For females the age group with the largest number of separations with principal procedures was the 25 to 34 years age group (519,211) (Table 8.18). Older females were more frequently reported for principal procedure groups such as *Other operations on vessels* (399), *Injection or infusion of other therapeutic of prophylactic substance* (992) and *Extracapsular extraction of lens by fragmentation and aspiration technique* (134).

Additional data

The accompanying tables on the Internet at <http://www.aihw.gov.au> provide national summary statistics for public and private hospitals for each 3-digit ICD-9-CM procedure code (as presented for the top 30 procedures in Tables 8.11 and 8.12). For confidentiality, the statistics for some codes in the private sector have been suppressed. The information was suppressed if there were fewer than 100 private hospital separations reported for the code and there were fewer than three reporting units (hospitals, or States where the hospitals were not individually identified), or there were three reporting units and one contributed more than 85% of the total separations, or two contributed more than 90% of the separations for the code.

Total procedures

Tables 8.19 and 8.20 provide counts of all the procedures (principal and additional) reported for 1996–97, 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 or separations for which a procedure was reported. Counts of all procedures for groups such as *Physical and respiratory therapy, rehabilitation and related procedures* (930–939) (919,677), and *Operations on spinal cord and spinal canal structures* (030–039) (111,842) are higher than counts of principal procedures (Tables 8.2 and 8.3), indicating that these procedures were commonly reported as additional procedures.

The most commonly reported procedure group in public hospitals and for public and private hospitals combined was *Physical and respiratory therapy, rehabilitation and related procedures* (930–939) (919,677 procedures in total). The most frequently reported procedure within this group was *Other diagnostic physical therapy* (93.09), 16.8% of this group (154,741).

In private hospitals the largest group of procedures was *Incision, excision and anastomosis of intestine* (450–459) (308,650). This group also ranked second when combining public and private hospitals (549,474). The procedure which accounted for most of these in private hospitals was colonoscopy (45.23), 31% of the group overall (97,047). The third largest group for public and private hospitals combined (534,671) and second in public hospitals (415,328) was *Other nonoperative procedures* (990–999). The single procedure which accounted for most of these was chemotherapy (99.25), 38% of the group overall (205,027).

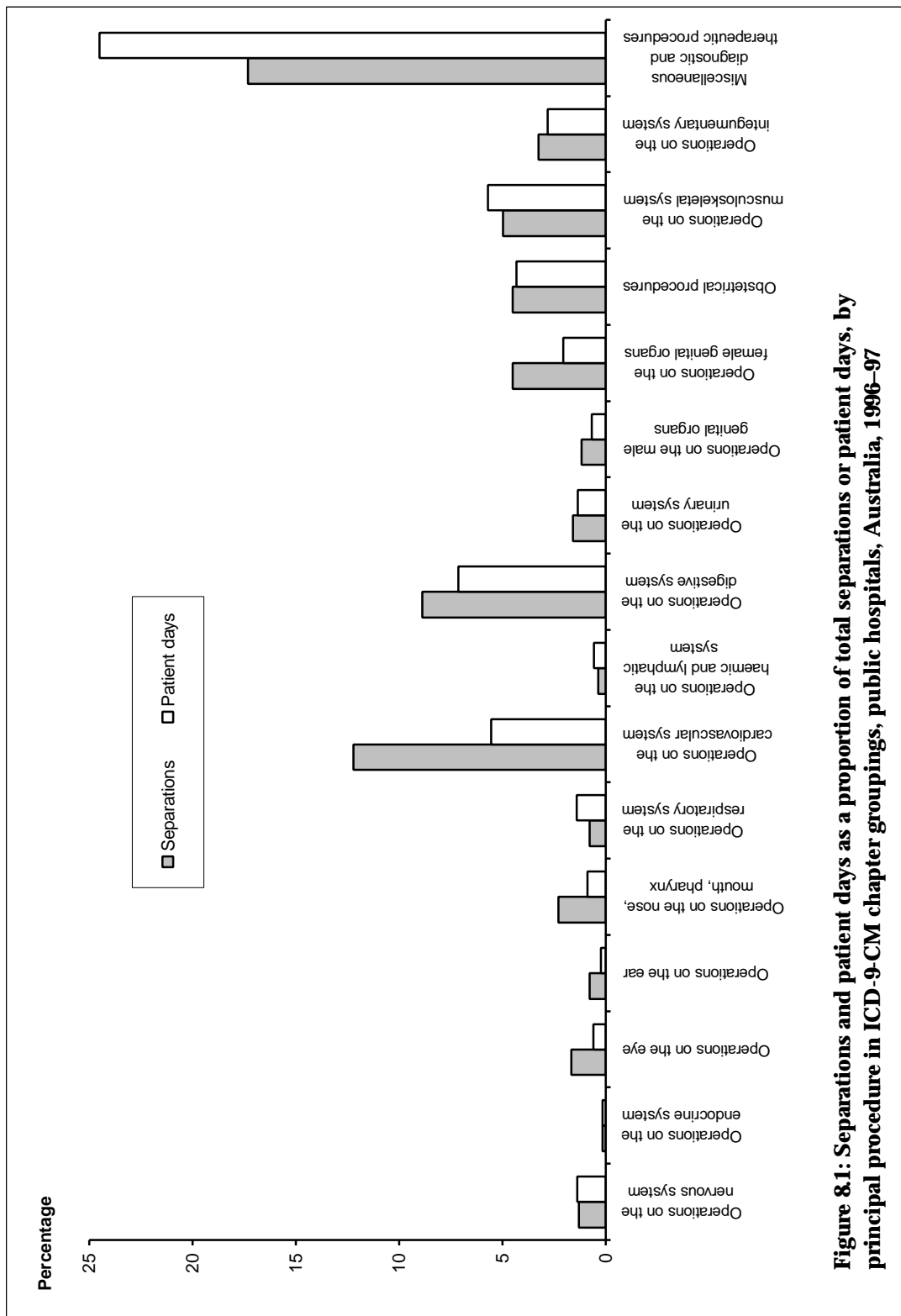


Figure 8.1: Separations and patient days as a proportion of total separations or patient days, by principal procedure in ICD-9-CM chapter groupings, public hospitals, Australia, 1996-97

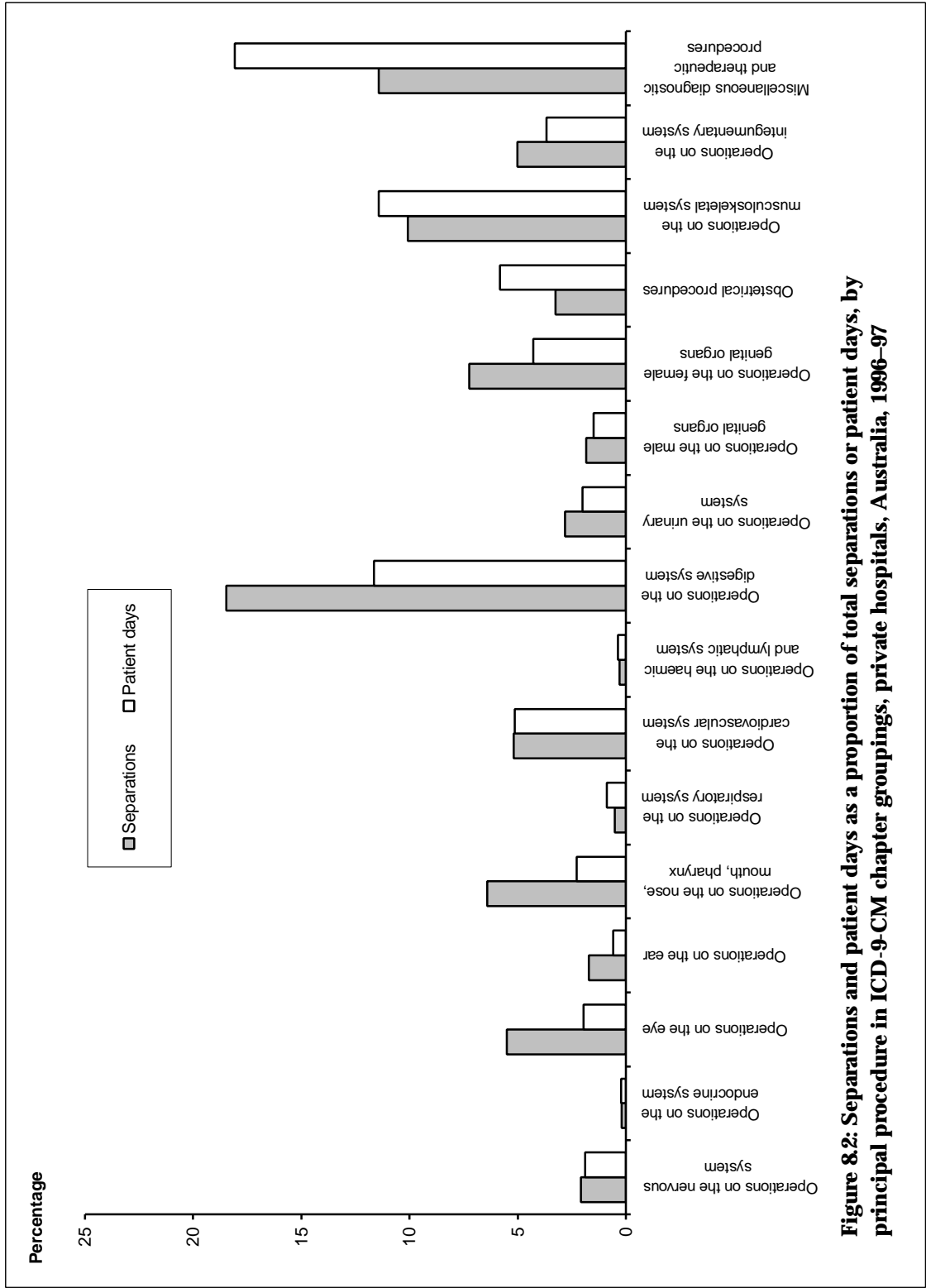


Table & 1: Separation statistics for sentinel procedures^(a) by State or Territory of usual residence, all hospitals,^(b) States and Territories, 1996–97

Sentinel procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(c)
Appendicectomy									
Separations ^(d)	8,316	6,726	4,590	2,646	1,878	706	377	176	25,457
Separations within State of residence (%)	98	98	98	99	99	98	94	98	
Separation rate ^(e)	1.39	1.53	1.38	1.50	1.34	1.55	1.17	0.85	1.43
Separation rate ^(e) for other States	1.44	1.39	1.43	1.41	1.43	1.42	1.43	1.43	
Difference, State/Territory & national rate (%)	-3.3	9.9	-3.8	6.0	-6.0	9.1	-17.9	-40.5	
Significance of difference	*	**	*	**	**	*	**	**	
Coronary artery bypass graft									
Separations ^(d)	6,901	4,415	3,021	897	1,486	403	180	57	17,399
Separations within State of residence (%)	95	99	99	99	99	96	..	..
Separation rate ^(e)	1.03	0.90	0.90	0.53	0.88	0.78	0.79	0.53	0.91
Separation rate ^(e) for other States	0.84	0.90	0.90	0.94	0.91	0.91	0.91	0.90	
Difference, State/Territory & national rate (%)	22.3	-0.1	-0.6	-43.1	-3.4	-13.6	-12.8	-41.7	
Significance of difference	**	—	—	**	—	**	—	**	
Angioplasty									
Separations ^(d)	4,539	4,418	1,601	1,326	1,455	416	122	70	14,003
Separations within State of residence (%)	94	99	99	99	99	97	..	..
Separation rate ^(e)	0.67	0.90	0.47	0.77	0.87	0.81	0.47	0.54	0.73
Separation rate ^(e) for other States	0.75	0.66	0.78	0.72	0.71	0.72	0.73	0.72	
Difference, State/Territory & national rate (%)	-9.9	36.7	-39.4	7.1	22.6	12.8	-35.3	-25.1	
Significance of difference	**	**	**	*	**	*	**	*	
Caesarean section									
Separations ^(d)	15,802	12,110	9,891	4,725	4,344	1,268	818	516	49,485
Separations within State of residence (%)	98	100	99	100	99	100	98	96	
Separation rate ^(e)	2.65	2.72	3.05	2.70	3.19	3.03	2.54	2.42	2.79
Separation rate ^(e) for other States	2.86	2.81	2.73	2.80	2.76	2.78	2.79	2.79	
Difference, State/Territory & national rate (%)	-7.5	-3.4	11.6	-3.3	15.9	8.7	-8.9	-13.5	
Significance of difference	**	**	**	*	**	**	**	**	
Cholecystectomy									
Separations ^(d)	14,681	10,545	7,586	3,146	3,866	1,031	596	196	41,676
Separations within State of residence (%)	98	99	99	100	100	98	97	93	
Separation rate ^(e)	2.24	2.19	2.22	1.78	2.42	2.09	2.09	1.39	2.18
Separation rate ^(e) for other States	2.15	2.18	2.17	2.23	2.16	2.19	2.19	2.19	
Difference, State/Territory & national rate (%)	4.1	0.6	2.3	-20.2	11.9	-4.5	-4.5	-36.3	
Significance of difference	**	—	—	**	**	—	—	**	

(continued)

Table 8.1 (continued): Separation statistics for sentinel procedures,(a) by State or Territory of usual residence, all hospitals,(b) States and Territories, 1996–97

Sentinel procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(c)
Endoscopy									
Separations ^(d)	166,782	122,818	86,015	36,488	32,880	11,239	3,723	1,862	462,030
Separations within State of residence (%)	98	99	99	100	100	99	95	91	
Separation rate ^(e)	25.15	25.27	25.14	20.60	19.99	22.17	13.38	13.64	24.00
Separation rate ^(e) for other States	23.39	23.56	23.75	24.33	24.36	24.04	24.15	24.06	
Difference, State/Territory & national rate (%)	7.5	7.3	5.9	-15.3	-17.9	-7.8	-44.6	-43.3	
Significance of difference	**	**	**	**	**	**	**	**	
Hip replacement									
Separations ^(d)	6,528	5,568	2,966	1,746	1,978	725	270	32	19,835
Separations within State of residence (%)	95	98	98	100	99	98	94	69	
Separation rate ^(e)	0.94	1.09	0.87	1.02	1.09	1.36	1.21	0.38	1.00
Separation rate ^(e) for other States	1.03	0.97	1.03	1.00	0.99	0.99	1.00	1.00	
Difference, State/Territory & national rate (%)	-9.5	13.2	-14.9	2.4	10.4	37.4	21.3	-62.2	
Significance of difference	**	**	**	—	**	**	**	**	
Hysterectomy									
Separations ^(d)	11,670	8,901	6,370	3,443	3,635	1,150	633	203	36,015
Separations within State of residence (%)	97	99	99	100	100	99	96	88	
Separation rate ^(e)	1.76	1.82	1.81	1.84	2.26	2.31	1.94	1.17	1.84
Separation rate ^(e) for other States	1.89	1.85	1.85	1.84	1.81	1.83	1.84	1.85	
Difference, State/Territory & national rate (%)	-7.2	-1.8	-2.0	0.0	25.2	26.1	5.0	-36.7	
Significance of difference	**	—	—	—	**	**	—	**	
Lens insertion									
Separations ^(d)	36,111	25,373	21,248	8,324	7,191	2,098	521	290	101,208
Separations within State of residence (%)	98	99	98	100	100	99	88	89	
Separation rate ^(e)	5.10	4.91	6.23	4.94	3.84	3.79	2.45	4.30	5.05
Separation rate ^(e) for other States	5.02	5.10	4.81	5.06	5.18	5.09	5.08	5.05	
Difference, State/Territory & national rate (%)	1.6	-3.6	29.5	-2.4	-25.8	-25.6	-51.8	-14.8	
Significance of difference	*	**	**	*	**	**	**	**	
Tonsillectomy									
Separations ^(d)	9,408	9,274	6,196	3,182	3,348	605	519	100	32,639
Separations within State of residence (%)	97	99	99	100	100	99	97	74	
Separation rate ^(e)	1.60	2.16	1.87	1.81	2.49	1.32	1.65	0.48	1.86
Separation rate ^(e) for other States	1.99	1.76	1.85	1.86	1.80	1.87	1.86	1.87	
Difference, State/Territory & national rate (%)	-19.7	22.8	1.2	-2.7	38.1	-29.4	-11.0	-74.1	
Significance of difference	**	**	—	—	**	**	**	**	

(a) The procedures are defined using ICD-9-CM codes in Appendix 4.

(b) Excludes private hospitals in the Northern Territory.

(c) Includes Other Territories.

(d) Excludes multiple procedures within the same sentinel group.

(e) Rate per 1,000 population age- and sex-standardised to the Australian population at 30 June 1991.

.. not applicable.

— not significant, * significant at 5%, ** significant at 1%.

Table 8.2: Separation, same day separation, patient day and average length of stay statistics by principal procedure in ICD-9-CM groupings, public hospitals, Australia, 1996-97

Principal procedure	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days	Patient days per 1,000 population	ALOS (days)	ALOS (days) excluding same day
010-029 Op. on skull, brain & cerebral meninges	7,195	153	2.1	0.4	94,195	5.1	13.1	13.4
030-039 Op. on spinal cord & spinal canal structures	19,947	6,705	33.6	1.1	94,110	5.1	4.7	6.6
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	20,015	12,366	61.8	1.1	40,583	2.2	2.0	3.7
060-079 Op. on thyroid, parathyroid & other endocrine glands	5,391	133	2.5	0.3	25,043	1.4	4.6	4.7
080-129, 140-169 Op. on the eye (excluding lens)	25,686	14,184	55.2	1.4	55,191	3.0	2.1	3.6
130-139 Op. on lens	35,160	22,858	65.0	1.9	44,771	2.4	1.3	1.8
180-189 Op. on external ear	6,290	4,118	65.5	0.3	10,610	0.6	1.7	3.0
190-209 Reconstructive & other op. on middle & inner ear	21,719	16,078	74.0	1.2	27,341	1.5	1.3	2.0
210-229 Op. on nose & nasal sinuses	24,123	9,382	38.9	1.3	39,620	2.2	1.6	2.1
230-249 Operations on teeth, gums & alveoli	25,206	21,706	86.1	1.4	42,438	2.3	1.7	5.9
250-269 Op. on tongue, salivary glands & ducts	3,559	1,439	40.4	0.2	9,786	0.5	2.7	3.9
270-279 Other operations on mouth & face	6,760	3,484	51.5	0.4	18,594	1.0	2.8	4.6
280-299 Op. on tonsils, adenoids & pharynx	23,715	2,654	11.2	1.3	36,366	2.0	1.5	1.6
300-319 Op. on larynx & trachea	5,617	1,990	35.4	0.3	74,183	4.0	13.2	19.9
320-339 Op. on lung & bronchus	13,016	6,189	47.5	0.7	74,706	4.1	5.7	10.0
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	9,895	1,172	11.8	0.5	81,780	4.4	8.3	9.2
350-359 Op. on valves & septa of heart	3,460	36	1.0	0.2	40,032	2.2	11.6	11.7
360-369 Op. on vessels of heart	18,106	83	0.5	1.0	137,901	7.5	7.6	7.6
370-379 Other op. on heart & pericardium	35,003	12,696	36.3	1.9	118,577	6.4	3.4	4.7
380-389 Incision, excision & occlusion of vessels	27,919	7,731	27.7	1.5	142,597	7.7	5.1	6.7
390-399 Other op. on vessels	360,712	346,101	95.9	19.6	478,166	26.0	1.3	9.0
400-419 Op. on the haemic & lymphatic system	13,322	5,403	40.6	0.7	92,766	5.0	7.0	11.0
420-429 Op. on oesophagus	8,063	4,688	58.1	0.4	28,759	1.6	3.6	7.1
430-449 Op. on stomach	13,351	5,446	40.8	0.7	100,254	5.4	7.5	12.0
450-459 Incision, excision & anastomosis of intestine	151,630	114,381	75.4	8.2	443,698	24.1	2.9	8.8
460-469 Other op. on intestine	3,581	157	4.4	0.2	43,900	2.4	12.3	12.8
470-479 Op. on appendix	18,263	54	0.3	1.0	65,757	3.6	3.6	3.6
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	24,730	9,128	36.9	1.3	81,944	4.4	3.3	4.7
500-529 Op. on liver, gallbladder, biliary tract & pancreas	40,115	6,599	16.5	2.2	191,439	10.4	4.8	5.5
530-539 Repair of hernia	32,447	7,157	22.1	1.8	82,630	4.5	2.5	3.0
540-549 Other op. on abdominal region	31,370	14,508	46.2	1.7	143,023	7.8	4.6	7.6
550-559 Op. on kidney	7,009	755	10.8	0.4	53,179	2.9	7.6	8.4
560-599 Op. on the urinary bladder & other urinary tract	50,461	24,606	48.8	2.7	169,424	9.2	3.4	5.6

(continued)

Table 8.2 (continued): Separation, same day separation, patient day and average length of stay statistics by principal procedure in ICD-9-CM groupings, public hospitals, Australia, 1996-97

Principal procedure	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days	Patient days per 1,000 population	ALOS (days)	ALOS (days) excluding same day
600-609 Op. on prostate & seminal vesicles	12,304	711	5.8	0.7	69,879	3.8	5.7	6.0
610-629 Op. on scrotum, tunica vaginalis & testes	7,637	2,956	38.7	0.4	13,752	0.7	1.8	2.3
630-639 Op. on spermatic cord, epididymis & vas deferens	10,524	8,723	82.9	0.6	11,917	0.6	1.1	1.8
640-649 Op. on penis	11,750	9,581	81.5	0.6	15,380	0.8	1.3	2.7
650-669 Op. on ovary & fallopian tubes	27,144	14,470	53.3	1.5	59,222	3.2	2.2	3.5
670-676 Op. on cervix	24,957	22,528	90.3	1.4	28,309	1.5	1.1	2.4
680-689 Other incision & excision of uterus	32,136	9,771	30.4	1.7	131,257	7.1	4.1	5.4
690-699 Other op. on uterus & supporting structures	66,385	49,957	75.3	3.6	77,806	4.2	1.2	1.7
700-719 Op. on vagina, cul-de-sac, vulva & perineum	13,912	5,526	39.7	0.8	43,036	2.3	3.1	4.5
720-729 Forceps, vacuum & breech delivery	17,468	179	1.0	0.9	84,493	4.6	4.8	4.9
730-739 Other procedures inducing or assisting delivery	57,763	2,211	3.8	3.1	216,384	11.7	3.7	3.9
740-749 Caesarean section & removal of foetus	34,088	59	0.2	1.9	232,161	12.6	6.8	6.8
750-759 Other obstetric operations	54,582	5,949	10.9	3.0	182,465	9.9	3.3	3.6
760-769 Op. on facial bones & joints	5,427	886	16.3	0.3	19,049	1.0	3.5	4.0
770-789 Op. on bones, except facial bone	25,583	9,290	36.3	1.4	105,626	5.7	4.1	5.9
790-799 Reduction of fracture & dislocation	60,260	9,315	15.5	3.3	300,375	16.3	5.0	5.7
800-809 Incision & excision of joint structures	27,170	14,746	54.3	1.5	80,691	4.4	3.0	5.3
810-819 Repair & plastic op. on joint structures	33,821	4,488	13.3	1.8	294,359	16.0	8.7	9.9
820-839 Op. on muscle, tendon, fascia & bursa	23,005	9,547	41.5	1.2	54,016	2.9	2.3	3.3
840-849 Other procedures on musculoskeletal system	5,938	540	9.1	0.3	88,140	4.8	14.8	16.2
850-859 Op. on the breast	20,350	9,075	44.6	1.1	56,894	3.1	2.8	4.2
860-869 Op. on skin & subcutaneous tissue	98,664	51,200	51.9	5.4	408,293	22.2	4.1	7.5
870-889 Diagnostic radiology & related techniques	86,554	13,641	15.8	4.7	640,433	34.8	7.4	8.6
890-919 Interview, evaluation, consultation & other examination	13,790	1,855	13.5	0.7	58,968	3.2	4.3	4.8
920-929 Diagnostic & therapeutic intervention	41,499	2,699	6.5	2.3	385,496	20.9	9.3	9.9
930-939 Physical & respiratory therapy, rehabilitation & related	129,104	24,645	19.1	7.0	1,405,894	76.3	10.9	13.2
940-949 Procedures related to the psyche	49,671	12,727	25.6	2.7	596,664	32.4	12.0	15.8
950-954 Ophthalmologic & otologic diagnosis & treatment	1,277	1,092	85.5	0.1	2,096	0.1	1.6	5.4
960-967 Nonoperative intubation & irrigation	25,022	7,652	30.6	1.4	299,846	16.3	12.0	16.8
970-978 Replacement & removal of therapeutic appliances	7,456	4,984	66.8	0.4	20,336	1.1	2.7	6.2
980-985 Nonoperative removal of foreign body or calculus	5,103	3,124	61.2	0.3	7,757	0.4	1.5	2.3
990-999 Other nonoperative procedures	271,110	192,063	70.8	14.7	631,526	34.3	2.3	5.6
No principal procedure or not reported	1,247,677	330,577	26.5	67.7	6,725,844	365.1	5.4	7.0
Total	3,641,967	1,520,907	41.8	197.7	16,531,727	897.4	4.5	7.1

Note: Abbreviations: ALOS—average length of stay, op.—operation.

Table 8.3: Separation, same day separation, patient day and average length of stay statistics by principal procedure in ICD-9-CM groupings, private hospitals, Australia, 1996-97

Principal procedure	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days per 1,000 population	ALOS (days)	ALOS (days) excluding same day
010-029 Op. on skull, brain & cerebral meninges	1,560	32	2.1	0.1	17,301	11.1	11.3
030-039 Op. on spinal cord & spinal canal structures	14,102	6,252	44.3	0.8	61,527	4.4	7.0
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	19,397	12,153	62.7	1.1	31,614	1.6	2.7
060-079 Op. on thyroid, parathyroid & other endocrine glands	3,332	52	1.6	0.2	13,104	3.9	4.0
080-129, 140-169 Op. on the eye (excluding lens)	27,627	18,601	67.3	1.5	37,221	1.3	2.1
130-139 Op. on lens	65,030	41,168	63.3	3.6	76,803	1.2	1.5
180-189 Op. on external ear	6,144	4,232	68.9	0.3	8,022	1.3	2.0
190-209 Reconstructive & other op. on middle & inner ear	22,604	18,414	81.5	1.2	25,692	1.1	1.7
210-229 Op. on nose & nasal sinuses	30,022	10,538	35.1	1.6	43,083	1.4	1.7
230-249 Operations on teeth, gums & alveoli	53,021	40,400	76.2	2.9	54,753	1.0	1.1
250-269 Op. on tongue, salivary glands & ducts	2,260	964	42.7	0.1	5,248	0.3	3.3
270-279 Other operations on mouth & face	4,469	3,199	71.6	0.2	6,101	1.4	2.3
280-299 Op. on tonsils, adenoids & pharynx	18,118	2,357	13.0	1.0	24,124	1.3	1.4
300-319 Op. on larynx & trachea	2,462	1,596	64.8	0.1	6,713	0.4	5.9
320-339 Op. on lung & bronchus	3,930	1,848	47.0	0.2	24,737	1.4	11.0
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	2,443	331	13.5	0.1	20,463	8.4	9.5
350-359 Op. on valves & septa of heart	1,286	15	1.2	0.1	16,367	12.7	12.9
360-369 Op. on vessels of heart	11,072	139	1.3	0.6	93,551	5.1	8.5
370-379 Other op. on heart & pericardium	17,602	4,233	24.0	1.0	44,727	2.5	3.0
380-389 Incision, excision & occlusion of vessels	16,172	2,168	13.4	0.9	68,186	3.7	4.7
390-399 Other op. on vessels	41,144	36,337	88.3	2.3	76,753	4.2	8.4
400-419 Op. on the haemic & lymphatic system	5,108	2,399	47.0	0.3	20,948	1.1	6.8
420-429 Op. on oesophagus	4,693	3,798	80.9	0.3	10,075	0.6	7.0
430-449 Op. on stomach	15,974	12,299	77.0	0.9	47,772	2.6	9.7
450-459 Incision, excision & anastomosis of intestine	205,480	186,517	90.8	11.3	322,739	1.6	7.2
460-469 Other op. on intestine	1,520	97	6.4	0.1	15,967	0.9	11.2
470-479 Op. on appendix	5,458	42	0.8	0.3	19,320	1.1	3.6
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	19,375	8,141	42.0	1.1	66,833	3.7	5.2
500-529 Op. on liver, gallbladder, biliary tract & pancreas	19,414	1,627	8.4	1.1	78,542	4.3	4.3
530-539 Repair of hernia	26,429	3,047	11.5	1.4	71,056	3.9	2.9
540-549 Other op. on abdominal region	12,691	6,067	47.8	0.7	47,037	2.6	6.2
550-559 Op. on kidney	2,061	89	4.3	0.1	15,347	0.8	7.7
560-599 Op. on the urinary bladder & other urinary tract	45,334	27,177	59.9	2.5	101,929	5.6	4.1

(continued)

Table 8.3 (continued): Separation, same day separation, patient day and average length of stay statistics by principal procedure in ICD-9-CM groupings, private hospitals, Australia, 1996–97

Principal procedure	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days	ALOS (days)	ALOS (days) excluding same day
600–609 Op. on prostate & seminal vesicles	12,442	1,184	9.5	0.7	61,320	3.4	4.9
610–629 Op. on scrotum, tunica vaginalis & testes	3,238	1,358	41.9	0.2	5,728	0.3	1.8
630–639 Op. on spermatic cord, epididymis & vas deferens	9,861	7,812	79.2	0.5	11,106	0.6	1.1
640–649 Op. on penis	5,524	4,034	73.0	0.3	9,105	0.5	1.6
650–669 Op. on ovary & fallopian tubes	14,075	7,477	53.1	0.8	29,267	1.6	2.1
670–676 Op. on cervix	9,078	8,054	88.7	0.5	10,511	0.6	1.2
680–689 Other incision & excision of uterus	26,126	9,237	35.4	1.4	107,326	5.9	4.1
690–699 Other op. on uterus & supporting structures	63,186	57,990	91.8	3.5	67,350	3.7	1.1
700–719 Op. on vagina, cul-de-sac, vulva & perineum	9,517	3,538	37.2	0.5	35,152	1.9	3.7
720–729 Forceps, vacuum & breech delivery	8,930	16	0.2	0.5	57,380	3.1	6.4
730–739 Other procedures inducing or assisting delivery	16,508	136	0.8	0.9	90,741	5.0	5.5
740–749 Caesarean section & removal of foetus	15,012	24	0.2	0.8	117,518	6.4	7.8
750–759 Other obstetric operations	14,197	614	4.3	0.8	73,331	4.0	5.2
760–769 Op. on facial bones & joints	2,891	660	22.8	0.2	7,093	0.4	2.5
770–789 Op. on bones, except facial bone	24,045	7,687	32.0	1.3	68,912	3.8	2.9
790–799 Reduction of fracture & dislocation	14,296	2,495	17.5	0.8	74,327	4.1	5.2
800–809 Incision & excision of joint structures	49,256	26,108	53.0	2.7	105,894	5.8	2.1
810–819 Repair & plastic op. on joint structures	55,625	11,239	20.2	3.1	349,711	19.2	6.3
820–839 Op. on muscle, tendon, fascia & bursa	21,629	9,498	43.9	1.2	40,570	2.2	1.9
840–849 Other procedures on musculoskeletal system	1,883	339	18.0	0.1	20,318	1.1	10.8
850–859 Op. on the breast	21,024	7,589	36.1	1.2	53,457	2.9	2.5
860–869 Op. on skin & subcutaneous tissue	63,587	40,549	63.8	3.5	160,632	8.8	5.2
870–889 Diagnostic radiology & related techniques	22,472	3,462	15.4	1.2	140,031	7.7	6.2
890–919 Interview, evaluation, consultation & other examination	9,416	1,113	11.8	0.5	19,311	1.1	2.2
920–929 Diagnostic & therapeutic intervention	5,991	108	1.8	0.3	67,856	3.7	11.5
930–939 Physical & respiratory therapy, rehabilitation & related procedures	40,377	11,388	28.2	2.2	427,579	23.4	14.4
940–949 Procedures related to the psyche	23,222	13,120	56.5	1.3	210,820	11.6	9.1
950–954 Ophthalmologic & otologic diagnosis & treatment	125	97	77.6	<0.1	212	<0.1	1.7
960–967 Nonoperative intubation & irrigation	4,447	2,440	54.9	0.2	22,376	1.2	5.0
970–978 Replacement & removal of therapeutic appliances	2,858	1,949	68.2	0.2	6,310	0.3	4.8
980–985 Nonoperative removal of foreign body or calculus	4,053	2,779	68.6	0.2	4,748	0.3	1.2
990–999 Other nonoperative procedures	79,381	59,543	75.0	4.4	155,364	8.5	4.8
No principal procedure or not reported	303,342	99,318	32.7	16.6	1,649,087	90.4	7.6
Total	1,684,948	859,284	51.0	92.4	5,834,098	319.9	3.5

Note: Abbreviations: ALOS—average length of stay, op.—operation.

Table 8.4: Separations by principal procedure in ICD-9-CM groupings, public hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
010-029 Op. on skull, brain & cerebral meninges	2,553	1,852	1,188	685	562	142	184	29	7,195
030-039 Op. on spinal cord & spinal canal structures	7,293	3,028	4,000	2,136	2,203	545	407	335	19,947
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	6,321	5,099	3,266	2,417	2,057	394	295	166	20,015
060-079 Op. on thyroid, parathyroid & other endocrine glands	2,149	1,433	829	381	382	126	65	26	5,391
080-129, 140-169 Op. on the eye (excluding lens)	8,237	7,266	4,215	2,583	2,672	273	194	246	25,686
130-139 Op. on lens	11,094	10,871	4,963	3,709	3,802	135	308	278	35,160
180-189 Op. on external ear	1,606	1,471	1,706	636	617	146	78	30	6,290
190-209 Reconstructive & other op. on middle & inner ear	5,635	6,423	3,026	2,659	2,891	305	543	237	21,719
210-229 Op. on nose & nasal sinuses	6,362	7,074	4,485	2,322	2,865	386	481	148	24,123
230-249 Operations on teeth, gums & alveoli	6,613	6,122	5,267	2,828	2,674	707	623	372	25,206
250-269 Op. on tongue, salivary glands & ducts	1,285	862	634	319	314	64	58	23	3,559
270-279 Other operations on mouth & face	2,056	1,583	1,382	723	664	148	136	68	6,760
280-299 Op. on tonsils, adenoids & pharynx	6,550	7,096	4,293	2,277	2,609	338	441	111	23,715
300-319 Op. on larynx & trachea	2,118	975	1,323	388	611	79	88	35	5,617
320-339 Op. on lung & bronchus	5,414	946	2,971	1,216	1,568	531	225	145	13,016
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	3,577	1,945	1,859	1,002	956	259	195	102	9,895
350-359 Op. on valves & septa of heart	1,210	929	763	227	230	101	0	0	3,460
360-369 Op. on vessels of heart	6,675	4,550	2,324	2,070	1,778	709	0	0	18,106
370-379 Other op. on heart & pericardium	15,588	2,181	5,525	4,404	4,776	1,015	1,511	3	35,003
380-389 Incision, excision & occlusion of vessels	7,796	7,727	5,576	2,306	3,338	699	356	121	27,919
390-399 Other op. on vessels	110,717	100,681	54,654	33,555	29,115	7,195	10,043	14,752	360,712
400-419 Op. on the haemic & lymphatic system	4,829	1,795	3,168	1,466	1,057	437	495	75	13,322
420-429 Op. on oesophagus	2,851	1,909	1,399	697	671	331	175	30	8,063
430-449 Op. on stomach	6,865	2,173	2,076	757	961	204	183	132	13,351
450-459 Incision, excision & anastomosis of intestine	64,282	8,375	30,645	21,481	17,098	4,383	3,761	1,605	151,630
460-469 Other op. on intestine	1,283	845	706	312	294	75	50	16	3,581
470-479 Op. on appendix	6,501	4,836	2,835	1,980	1,170	397	358	186	18,263
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	9,181	5,826	3,833	2,525	2,386	464	352	163	24,730
500-529 Op. on liver, gallbladder, biliary tract & pancreas	15,111	8,753	6,729	3,734	3,738	947	864	239	40,115
530-539 Repair of hernia	10,385	8,829	5,863	3,053	2,990	574	501	252	32,447
540-549 Other op. on abdominal region	11,578	5,828	6,607	3,006	2,506	630	637	578	31,370
550-559 Op. on kidney	2,945	1,186	1,074	569	799	160	161	115	7,009
560-599 Op. on the urinary bladder & other urinary tract	19,164	7,439	8,751	6,226	6,366	1,660	518	337	50,461

(continued)

Table 8.4 (continued): Separations by principal procedure in ICD-9-CM groupings, public hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
600-609 Op. on prostate & seminal vesicles	4,070	3,932	1,471	905	1,255	377	247	47	12,304
610-629 Op. on scrotum, tunica vaginalis & testes	2,456	2,017	1,350	737	632	226	144	75	7,637
630-639 Op. on spermatic cord, epididymis & vas deferens	3,552	3,105	945	1,308	1,357	157	45	55	10,524
640-649 Op. on penis	4,276	3,390	1,137	1,199	1,196	200	88	264	11,750
650-669 Op. on ovary & fallopian tubes	7,888	7,716	4,029	3,494	2,623	638	414	342	27,144
670-676 Op. on cervix	6,438	5,893	6,622	1,399	3,579	297	313	416	24,957
680-689 Other incision & excision of uterus	11,375	7,410	5,195	2,842	3,702	711	580	321	32,136
690-699 Other op. on uterus & supporting structures	19,300	19,401	8,487	6,605	9,058	1,279	770	1,485	66,385
700-719 Op. on vagina, cul-de-sac, vulva & perineum	4,571	3,749	2,227	1,358	1,400	320	167	120	13,912
720-729 Forceps, vacuum & breech delivery	6,123	4,549	2,398	2,034	1,407	435	368	154	17,468
730-739 Other procedures inducing or assisting delivery	20,258	13,599	11,259	4,026	5,784	1,142	1,065	630	57,763
740-749 Caesarean section & removal of foetus	11,650	8,326	6,212	3,128	2,944	697	615	516	34,088
750-759 Other obstetric operations	18,291	10,506	13,334	4,962	5,346	948	705	490	54,582
760-769 Op. on facial bones & joints	1,529	1,078	1,196	566	619	145	166	128	5,427
770-789 Op. on bones, except facial bone	8,339	6,822	4,574	2,292	2,183	615	495	263	25,583
790-799 Reduction of fracture & dislocation	21,783	13,576	10,940	5,969	4,836	1,176	1,200	780	60,260
800-809 Incision & excision of joint structures	7,716	6,679	5,001	2,794	3,520	640	486	334	27,170
810-819 Repair & plastic op. on joint structures	10,484	8,485	5,224	4,043	3,708	801	750	326	33,821
820-839 Op. on muscle, tendon, fascia & bursa	7,466	5,963	3,909	2,316	2,199	535	363	254	23,005
840-849 Other procedures on musculoskeletal system	1,964	1,321	1,101	654	538	172	100	88	5,938
850-859 Op. on the breast	6,880	5,662	3,313	1,919	1,609	440	317	210	20,350
860-869 Op. on skin & subcutaneous tissue	29,010	20,006	24,914	10,423	9,580	1,925	1,361	1,445	98,664
870-889 Diagnostic radiology & related techniques	37,776	2,245	21,019	11,142	9,008	3,345	1,139	880	86,554
890-919 Interview, evaluation, consultation & other examination	6,667	653	3,199	2,277	603	362	16	13	13,790
920-929 Diagnostic & therapeutic intervention	18,971	7,380	5,976	3,426	3,151	1,163	1,068	364	41,499
930-939 Physical & respiratory therapy, rehabilitation & related procedures	48,039	27,143	23,450	14,205	9,854	3,442	1,555	1,416	129,104
940-949 Procedures related to the psyche	16,302	6,953	10,073	9,755	4,253	1,094	682	559	49,671
950-954 Ophthalmologic & otologic diagnosis & treatment	436	94	297	95	339	4	1	11	1,277
960-967 Nonoperative intubation & irrigation	6,669	5,227	6,529	2,338	2,868	780	270	341	25,022
970-978 Replacement & removal of therapeutic appliances	2,206	2,017	1,462	893	581	164	74	59	7,456
980-985 Nonoperative removal of foreign body or calculus	1,809	1,099	943	708	415	32	32	65	5,103
990-999 Other nonoperative procedures	91,021	68,521	43,400	27,996	25,945	8,028	5,401	798	271,110
No principal procedure or not reported	414,936	377,472	219,395	94,604	96,378	19,903	10,915	14,073	1,247,677
Total	1,236,075	899,897	648,516	347,061	329,190	76,752	56,198	48,277	3,641,967

Note: Abbreviation: op. —operation.

Table 8.5: Separations by principal procedure in ICD-9-CM groupings, private hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(e)
010-029 Op. on skull, brain & cerebral meninges	331	483	459	56	132	n.p.	n.p.	n.a.	1,560
030-039 Op. on spinal cord & spinal canal structures	3,829	3,746	1,909	2,038	1,833	n.p.	n.p.	n.a.	14,102
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	6,078	4,858	3,248	2,250	1,896	n.p.	n.p.	n.a.	19,397
060-079 Op. on thyroid, parathyroid & other endocrine glands	1,103	850	682	203	291	n.p.	n.p.	n.a.	3,332
080-129, 140-169 Op. on the eye (excluding lens)	10,227	6,190	6,234	2,306	1,472	n.p.	n.p.	n.a.	27,627
130-139 Op. on lens	23,639	14,091	16,629	4,539	3,899	n.p.	n.p.	n.a.	65,030
180-189 Op. on external ear	2,182	1,273	1,380	446	581	n.p.	n.p.	n.a.	6,144
190-209 Reconstructive & other op. on middle & inner ear	6,356	6,376	4,334	1,459	3,021	n.p.	n.p.	n.a.	22,604
210-229 Op. on nose & nasal sinuses	10,038	6,967	6,069	2,096	3,669	n.p.	n.p.	n.a.	30,022
230-249 Operations on teeth, gums & alveoli	14,829	15,250	9,980	5,774	4,995	n.p.	n.p.	n.a.	53,021
250-269 Op. on tongue, salivary glands & ducts	757	564	418	204	215	n.p.	n.p.	n.a.	2,260
270-279 Other operations on mouth & face	1,593	972	985	264	431	n.p.	n.p.	n.a.	4,469
280-299 Op. on tonsils, adenoids & pharynx	5,540	4,089	4,233	1,695	1,747	n.p.	n.p.	n.a.	18,118
300-319 Op. on larynx & trachea	867	476	557	194	249	n.p.	n.p.	n.a.	2,462
320-339 Op. on lung & bronchus	840	323	1,694	368	436	n.p.	n.p.	n.a.	3,930
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	494	601	699	246	269	n.p.	n.p.	n.a.	2,443
350-359 Op. on valves & septa of heart	421	431	310	13	111	n.p.	n.p.	n.a.	1,286
360-369 Op. on vessels of heart	3,800	3,988	2,161	82	1,020	n.p.	n.p.	n.a.	11,072
370-379 Other op. on heart & pericardium	8,190	951	5,183	1,306	1,491	n.p.	n.p.	n.a.	17,602
380-389 Incision, excision & occlusion of vessels	4,904	4,671	3,283	1,108	1,377	n.p.	n.p.	n.a.	16,172
390-399 Other op. on vessels	10,782	16,305	6,863	331	6,682	n.p.	n.p.	n.a.	41,144
400-419 Op. on the haemic & lymphatic system	1,223	799	2,068	402	345	n.p.	n.p.	n.a.	5,108
420-429 Op. on oesophagus	1,226	1,144	1,340	229	538	n.p.	n.p.	n.a.	4,693
430-449 Op. on stomach	8,592	2,727	3,625	346	461	n.p.	n.p.	n.a.	15,974
450-459 Incision, excision & anastomosis of intestine	89,708	23,794	53,743	15,908	15,402	n.p.	n.p.	n.a.	205,480
460-469 Other op. on intestine	389	428	381	88	137	n.p.	n.p.	n.a.	1,520
470-479 Op. on appendix	1,353	1,429	1,366	498	494	n.p.	n.p.	n.a.	5,458
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	7,543	4,469	3,590	1,469	1,561	n.p.	n.p.	n.a.	19,375
500-529 Op. on liver, gallbladder, biliary tract & pancreas	6,415	4,481	4,407	1,404	1,827	n.p.	n.p.	n.a.	19,414
530-539 Repair of hernia	9,106	6,564	5,465	1,811	2,146	n.p.	n.p.	n.a.	26,429
540-549 Other op. on abdominal region	4,091	2,181	3,489	1,008	998	n.p.	n.p.	n.a.	12,691
550-559 Op. on kidney	542	485	424	260	165	n.p.	n.p.	n.a.	2,061
560-599 Op. on the urinary bladder & other urinary tract	16,919	8,842	9,302	4,257	3,584	n.p.	n.p.	n.a.	45,334

(continued)

Table 8.5 (continued): Separations by principal procedure in ICD-9-CM groupings, private hospitals, States and Territories, 1996–97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
600–609 Op. on prostate & seminal vesicles	4,109	3,180	2,283	955	908	n.p.	n.p.	n.a.	12,442
610–629 Op. on scrotum, tunica vaginalis & testes	1,045	768	613	261	276	n.p.	n.p.	n.a.	3,238
630–639 Op. on spermatic cord, epididymis & vas deferens	3,870	2,574	1,380	740	739	n.p.	n.p.	n.a.	9,861
640–649 Op. on penis	2,020	1,372	995	491	310	n.p.	n.p.	n.a.	5,524
650–669 Op. on ovary & fallopian tubes	4,405	3,569	2,701	1,301	1,207	n.p.	n.p.	n.a.	14,075
670–676 Op. on cervix	3,565	2,033	1,701	685	505	n.p.	n.p.	n.a.	9,078
680–689 Other incision & excision of uterus	29,469	13,741	8,439	2,141	2,685	n.p.	n.p.	n.a.	26,126
690–699 Other op. on uterus & supporting structures	3,220	2,176	1,966	794	899	n.p.	n.p.	n.a.	9,517
700–719 Op. on vagina, cul-de-sac, vulva & perineum	2,404	2,350	1,794	1,106	785	n.p.	n.p.	n.a.	8,930
720–729 Forceps, vacuum & breech delivery	4,291	4,388	3,607	1,988	1,269	n.p.	n.p.	n.a.	16,508
730–739 Other procedures inducing or assisting delivery	3,852	3,674	3,652	1,581	1,346	n.p.	n.p.	n.a.	15,012
740–749 Caesarean section & removal of foetus	4,340	3,849	2,677	1,387	1,169	n.p.	n.p.	n.a.	14,197
750–759 Other obstetric operations	725	895	512	177	413	n.p.	n.p.	n.a.	2,891
760–769 Op. on facial bones & joints	7,672	6,745	3,566	2,435	2,297	n.p.	n.p.	n.a.	24,045
770–789 Op. on bones, except facial bone	3,678	3,514	3,392	1,462	1,360	n.p.	n.p.	n.a.	14,296
790–799 Reduction of fracture & dislocation	16,564	11,760	8,104	4,760	5,600	n.p.	n.p.	n.a.	49,256
800–809 Incision & excision of joint structures	17,690	13,622	8,374	6,399	6,679	n.p.	n.p.	n.a.	55,625
810–819 Repair & plastic op. on joint structures	6,523	5,696	3,869	1,909	2,622	n.p.	n.p.	n.a.	21,629
820–839 Op. on muscle, tendon, fascia & bursa	584	426	420	190	155	n.p.	n.p.	n.a.	1,883
840–849 Other procedures on musculoskeletal system	6,998	5,296	4,434	1,612	1,736	n.p.	n.p.	n.a.	21,024
850–859 Op. on the breast	22,883	14,793	13,501	4,207	5,905	n.p.	n.p.	n.a.	63,587
860–869 Op. on skin & subcutaneous tissue	4,809	665	7,868	2,659	3,991	n.p.	n.p.	n.a.	22,472
870–889 Diagnostic radiology & related techniques	4,833	540	2,593	383	268	n.p.	n.p.	n.a.	9,416
890–919 Interview, evaluation, consultation & other examination	1,637	1,401	1,437	399	757	n.p.	n.p.	n.a.	5,991
920–929 Diagnostic & therapeutic intervention	13,183	8,801	12,870	1,033	3,581	n.p.	n.p.	n.a.	40,377
930–939 Physical & respiratory therapy, rehabilitation & related	12,878	2,339	5,937	1,401	537	n.p.	n.p.	n.a.	23,222
940–949 Procedures related to the psyche	40	8	57	11	6	n.p.	n.p.	n.a.	125
950–954 Ophthalmologic & otologic diagnosis & treatment	722	1,416	1,432	317	347	n.p.	n.p.	n.a.	4,447
960–967 Nonoperative intubation & irrigation	674	946	651	255	172	n.p.	n.p.	n.a.	2,858
970–978 Replacement & removal of therapeutic appliances	1,446	780	1,170	174	399	n.p.	n.p.	n.a.	4,053
980–985 Nonoperative removal of foreign body or calculus	12,165	30,080	22,644	4,188	7,912	n.p.	n.p.	n.a.	79,381
990–999 Other nonoperative procedures	47,283	149,297	55,665	18,072	19,653	n.p.	n.p.	n.a.	303,342
No principal procedure or not reported									
Total	522,868	458,554	362,299	126,616	142,644	54,749	17,218	n.a.	1,684,948

Note: Abbreviation: op.—operation.

(a) Total includes Tas and ACT but not NT.

n.p. not published.

n.a. not available.

Table 8.8: Separations for males by age group and principal procedure in ICD-9-CM groupings, all hospitals, Australia, 1996-9

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74
010-029 Op. on skull, brain & cerebral meninges	245	190	360	512	525	527	698	596	791
030-039 Op. on spinal cord & spinal canal structures	911	783	816	715	1,657	2,254	2,401	1,899	2,120
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	11	59	203	1,364	2,504	3,109	3,169	2,564	2,692
060-079 Op. on thyroid, parathyroid & other endocrine glands	4	56	67	90	226	332	468	369	317
080-129, 140-169 Op. on the eye (excluding lens)	510	1,985	1,625	1,344	1,952	2,484	3,063	3,679	5,464
130-139 Op. on lens	27	47	104	102	216	595	1,789	4,630	13,275
180-189 Op. on external ear	56	231	935	653	520	646	922	1,186	1,732
190-209 Reconstructive & other op. on middle & inner ear	947	10,839	8,722	691	666	882	962	707	562
210-229 Op. on nose & nasal sinuses	31	417	2,203	4,910	4,906	4,571	4,269	3,447	3,393
230-249 Operations on teeth, gums & alveoli	19	3,810	5,311	11,788	5,511	2,495	1,561	893	642
250-269 Op. on tongue, salivary glands & ducts	120	435	325	165	268	379	403	394	430
270-279 Other operations on mouth & face	305	584	571	549	602	697	784	664	817
280-299 Op. on tonsils, adenoids & pharynx	80	5,974	8,210	2,332	1,306	948	677	418	324
300-319 Op. on larynx & trachea	148	145	202	167	362	528	861	1,059	1,266
320-339 Op. on chest wall, pleura, mediastinum & diaphragm	107	127	80	281	398	649	1,345	2,307	3,351
340-349 Op. on lung & bronchus	48	24	81	777	656	576	789	1,077	1,850
350-359 Op. on valves & septa of heart	213	168	101	68	81	150	279	476	661
360-369 Op. on vessels of heart	0	7	1	1	80	1,154	4,344	6,575	7,525
370-379 Other op. on heart & pericardium	73	127	158	325	551	2,206	6,499	9,002	10,283
380-389 Incision, excision & occlusion of vessels	505	170	198	551	1,081	2,075	3,005	4,051	5,803
390-399 Other op. on vessels	109	130	1,093	8,635	19,675	28,237	36,849	45,642	63,887
400-419 Op. on the haemic & lymphatic system	53	328	574	717	812	1,025	1,404	1,556	1,889
420-429 Op. on oesophagus	115	252	178	155	234	561	1,085	1,344	1,982
430-449 Op. on stomach	448	145	191	489	1,189	1,850	2,450	2,404	2,935
450-459 Incision, excision & anastomosis of intestine	336	592	1,128	5,023	12,672	22,606	33,622	34,671	37,394
460-469 Other op. on intestine	181	60	60	88	136	197	341	511	732
470-479 Op. on appendix	5	97	3,146	3,613	2,328	1,515	797	446	265
480-499 Op. on rectum, rectosigmoid, perirectal tissue & anus	313	232	250	905	3,395	5,190	5,386	4,126	3,346
500-529 Op. on liver, gallbladder, biliary tract & pancreas	35	53	111	353	1,461	2,988	3,635	3,885	4,883
530-539 Repair of hernia	1,784	2,735	1,793	2,094	3,767	5,562	7,963	8,052	8,138
540-549 Other op. on abdominal region	106	131	270	452	788	1,192	1,667	2,203	2,764
550-559 Op. on kidney	154	120	161	296	455	688	909	975	922
560-599 Op. on the urinary bladder & other urinary tract	594	1,342	873	1,091	2,297	4,247	7,202	10,447	16,708

Table 8.6 (continued): Patient days by principal procedure in ICD-9-CM groupings, public hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
600-609 Op. on prostate & seminal vesicles	26,722	19,403	7,693	5,087	6,368	2,134	1,957	515	69,879
610-629 Op. on scrotum, tunica vaginalis & testes	4,733	3,199	2,422	1,216	1,229	408	288	257	13,752
630-639 Op. on spermatic cord, epididymis & vas deferens	4,036	3,422	1,141	1,479	1,464	225	84	66	11,917
640-649 Op. on penis	5,505	4,156	1,769	1,605	1,359	337	233	416	15,380
650-669 Op. on ovary & fallopian tubes	19,430	14,618	9,503	7,616	5,017	1,303	1,073	662	59,222
670-676 Op. on cervix	7,658	6,447	7,216	1,874	3,936	327	367	484	28,309
680-689 Other incision & excision of uterus	45,131	33,583	19,282	13,186	13,139	3,219	2,688	1,029	131,257
690-699 Other op. on uterus & supporting structures	23,221	21,315	10,942	7,941	10,149	1,563	965	1,710	77,806
700-719 Op. on vagina, cul-de-sac, vulva & perineum	15,305	10,888	6,709	4,206	3,870	1,120	564	374	43,036
720-729 Forceps, vacuum & breech delivery	29,304	21,972	11,477	10,545	6,623	2,062	1,686	824	84,493
730-739 Other procedures inducing or assisting delivery	75,680	53,298	39,927	15,753	20,985	4,123	3,780	2,838	216,384
740-749 Caesarean section & removal of foetus	80,717	56,677	38,900	22,524	20,444	4,572	4,411	3,916	232,161
750-759 Other obstetric operations	66,021	38,618	37,918	17,658	14,394	3,127	2,649	2,080	182,465
760-769 Op. on facial bones & joints	5,404	3,394	3,912	1,922	2,573	660	608	576	19,049
770-789 Op. on bones, except facial bone	37,832	22,225	18,698	10,412	7,016	2,615	1,975	4,853	105,626
790-799 Reduction of fracture & dislocation	104,827	65,088	57,944	30,354	22,350	6,911	6,717	6,384	300,375
800-809 Incision & excision of joint structures	27,121	17,743	15,175	8,367	7,794	1,819	1,644	1,028	80,691
810-819 Repair & plastic op. on joint structures	103,893	70,972	48,173	31,956	23,588	7,907	6,255	1,615	294,359
820-839 Op. on muscle, tendon, fascia & bursa	18,769	12,008	9,229	6,166	4,627	1,552	819	846	54,016
840-849 Other procedures on musculoskeletal system	30,352	16,863	18,204	8,970	6,922	3,114	1,912	1,803	88,140
850-859 Op. on the breast	21,830	14,567	8,021	5,577	4,276	1,247	842	534	56,894
860-869 Op. on skin & subcutaneous tissue	129,723	74,722	102,367	44,065	35,036	8,778	3,865	9,737	408,293
870-889 Diagnostic radiology & related techniques	274,808	15,294	155,287	81,056	70,040	26,651	9,984	7,313	640,433
890-919 Interview, evaluation, consultation & other examination	28,670	2,280	12,480	9,657	4,595	1,123	48	115	58,968
920-929 Diagnostic & therapeutic intervention	171,275	81,526	55,081	25,670	26,332	11,491	10,775	3,346	385,496
930-939 Physical & respiratory therapy, rehabilitation & related procedures	554,709	328,291	211,551	131,875	117,264	35,558	16,414	10,232	1,405,894
940-949 Procedures related to the psyche	199,289	102,720	165,882	30,781	77,318	7,074	8,566	5,034	596,664
950-954 Ophthalmologic & otologic diagnosis & treatment	752	175	498	145	428	46	1	51	2,096
960-967 Nonoperative intubation & irrigation	92,366	67,190	58,700	25,431	36,900	5,110	7,054	7,095	299,846
970-978 Replacement & removal of therapeutic appliances	6,439	4,157	4,749	2,284	1,571	470	204	462	20,336
980-985 Nonoperative removal of foreign body or calculus	2,539	1,398	2,106	908	565	74	47	120	7,757
990-999 Other nonoperative procedures	209,922	149,442	101,738	74,293	63,686	18,486	9,925	4,034	631,526
No principal procedure or not reported	2,289,408	1,758,168	1,312,587	488,230	544,559	225,809	47,027	60,056	6,725,844
Total	5,910,746	3,711,677	3,120,439	1,448,666	1,466,323	467,159	224,630	182,087	16,531,727

Note: Abbreviation: op.—operation.

Table 8.7: Patient days by principal procedure in ICD-9-CM groupings, private hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
010-029 Op. on skull, brain & cerebral meninges	3,725	4,950	5,396	748	1,420	n.p.	n.p.	n.a.	17,301
030-039 Op. on spinal cord & spinal canal structures	17,554	16,636	11,618	6,187	5,986	n.p.	n.p.	n.a.	61,527
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	9,872	7,796	5,395	4,002	2,826	n.p.	n.p.	n.a.	31,614
060-079 Op. on thyroid, parathyroid & other endocrine glands	3,778	3,373	3,123	745	1,213	n.p.	n.p.	n.a.	13,104
080-129, 140-169 Op. on the eye (excluding lens)	13,331	8,331	8,181	3,731	2,059	n.p.	n.p.	n.a.	37,221
130-139 Op. on lens	27,627	16,101	19,905	6,023	4,280	n.p.	n.p.	n.a.	76,803
180-189 Op. on external ear	2,811	1,468	1,923	761	733	n.p.	n.p.	n.a.	8,022
190-209 Reconstructive & other op. on middle & inner ear	7,389	7,043	4,859	1,591	3,608	n.p.	n.p.	n.a.	25,692
210-229 Op. on nose & nasal sinuses	13,457	10,738	8,090	3,244	5,822	n.p.	n.p.	n.a.	43,083
230-249 Operations on teeth, gums & alveoli	15,206	15,506	10,496	6,014	5,208	n.p.	n.p.	n.a.	54,753
250-269 Op. on tongue, salivary glands & ducts	1,647	1,263	980	443	683	n.p.	n.p.	n.a.	5,248
270-279 Other operations on mouth & face	2,023	1,250	1,395	451	597	n.p.	n.p.	n.a.	6,101
280-299 Op. on tonsils, adenoids & pharynx	7,192	5,797	4,956	2,395	2,631	n.p.	n.p.	n.a.	24,124
300-319 Op. on larynx & trachea	1,660	1,285	1,849	731	856	n.p.	n.p.	n.a.	6,713
320-339 Op. on lung & bronchus	4,235	3,863	11,500	1,720	1,949	n.p.	n.p.	n.a.	24,737
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	3,746	4,633	6,356	2,427	2,036	n.p.	n.p.	n.a.	20,463
350-359 Op. on valves & septa of heart	5,117	5,872	3,798	130	1,450	n.p.	n.p.	n.a.	16,367
360-369 Op. on vessels of heart	32,632	30,053	20,043	586	10,171	n.p.	n.p.	n.a.	93,551
370-379 Other op. on heart & pericardium	18,093	4,494	13,515	2,815	4,305	n.p.	n.p.	n.a.	44,727
380-389 Incision, excision & occlusion of vessels	18,479	17,614	17,373	5,633	6,411	n.p.	n.p.	n.a.	68,186
390-399 Other op. on vessels	18,929	26,598	15,326	4,378	9,662	n.p.	n.p.	n.a.	76,753
400-419 Op. on the haemic & lymphatic system	5,376	3,073	7,263	2,366	1,710	n.p.	n.p.	n.a.	20,948
420-429 Op. on oesophagus	2,475	2,546	2,767	590	1,316	n.p.	n.p.	n.a.	10,075
430-449 Op. on stomach	14,032	14,046	12,629	2,398	3,529	n.p.	n.p.	n.a.	47,772
450-459 Incision, excision & anastomosis of intestine	117,489	42,248	93,637	27,468	28,204	n.p.	n.p.	n.a.	322,739
460-469 Other op. on intestine	3,635	4,990	4,023	888	1,467	n.p.	n.p.	n.a.	15,967
470-479 Op. on appendix	4,519	5,150	4,876	1,783	1,819	n.p.	n.p.	n.a.	19,320
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	19,985	17,235	14,277	5,746	6,547	n.p.	n.p.	n.a.	66,833
500-529 Op. on liver, gallbladder, biliary tract & pancreas	22,690	19,786	17,788	5,986	8,518	n.p.	n.p.	n.a.	78,542
530-539 Repair of hernia	25,206	17,374	13,273	5,222	6,688	n.p.	n.p.	n.a.	71,056
540-549 Other op. on abdominal region	11,750	10,893	13,172	3,999	4,546	n.p.	n.p.	n.a.	47,037
550-559 Op. on kidney	3,826	3,997	3,120	1,824	1,373	n.p.	n.p.	n.a.	15,347
560-599 Op. on the urinary bladder & other urinary tract	30,386	19,494	22,570	11,154	11,229	n.p.	n.p.	n.a.	101,929

(continued)

Table 8.7 (continued): Patient days by principal procedure in ICD-9-CM groupings, private hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
600-609 Op. on prostate & seminal vesicles	19,451	15,574	11,397	4,750	4,985	n.p.	n.p.	n.a.	61,320
610-629 Op. on scrotum, tunica vaginalis & testes	1,775	1,358	1,227	440	439	n.p.	n.p.	n.a.	5,728
630-639 Op. on spermatic cord, epididymis & vas deferens	4,374	2,736	1,674	865	802	n.p.	n.p.	n.a.	11,106
640-649 Op. on penis	3,206	1,866	2,091	830	504	n.p.	n.p.	n.a.	9,105
650-669 Op. on ovary & fallopian tubes	8,846	7,072	5,700	2,936	2,795	n.p.	n.p.	n.a.	29,267
670-676 Op. on cervix	3,831	2,434	1,886	1,157	573	n.p.	n.p.	n.a.	10,511
680-689 Other incision & excision of uterus	33,900	24,465	20,315	9,247	12,014	n.p.	n.p.	n.a.	107,326
690-699 Other op. on uterus & supporting structures	30,465	14,758	9,451	7,036	3,030	n.p.	n.p.	n.a.	67,350
700-719 Op. on vagina, cul-de-sac, vulva & perineum	11,209	8,227	7,090	2,830	3,894	n.p.	n.p.	n.a.	35,152
720-729 Forceps, vacuum & breech delivery	15,400	15,315	11,633	7,452	4,369	n.p.	n.p.	n.a.	57,380
730-739 Other procedures inducing or assisting delivery	23,191	26,276	19,861	10,283	6,422	n.p.	n.p.	n.a.	90,741
740-749 Caesarean section & removal of foetus	29,816	30,027	27,899	13,174	9,874	n.p.	n.p.	n.a.	117,518
750-759 Other obstetric operations	22,143	21,598	13,652	6,362	5,705	n.p.	n.p.	n.a.	73,331
760-769 Op. on facial bones & joints	1,906	1,969	1,164	471	1,133	n.p.	n.p.	n.a.	7,093
770-789 Op. on bones, except facial bone	19,945	18,548	12,629	7,259	6,894	n.p.	n.p.	n.a.	68,912
790-799 Reduction of fracture & dislocation	15,974	17,928	22,320	6,281	6,312	n.p.	n.p.	n.a.	74,327
800-809 Incision & excision of joint structures	33,025	25,247	20,218	10,672	11,284	n.p.	n.p.	n.a.	105,894
810-819 Repair & plastic op. on joint structures	106,760	89,652	60,543	38,059	34,903	n.p.	n.p.	n.a.	349,711
820-839 Op. on muscle, tendon, fascia & bursa	11,978	10,376	7,309	3,962	4,979	n.p.	n.p.	n.a.	40,570
840-849 Other procedures on musculoskeletal system	5,785	4,822	4,657	2,054	1,873	n.p.	n.p.	n.a.	20,318
850-859 Op. on the breast	17,909	14,338	9,685	3,919	5,057	n.p.	n.p.	n.a.	53,457
860-869 Op. on skin & subcutaneous tissue	49,134	39,996	34,616	14,205	15,886	n.p.	n.p.	n.a.	160,632
870-889 Diagnostic radiology & related techniques	26,688	4,759	59,106	17,278	18,265	n.p.	n.p.	n.a.	140,031
890-919 Interview, evaluation, consultation & other examination	7,531	958	6,442	2,066	919	n.p.	n.p.	n.a.	19,311
920-929 Diagnostic & therapeutic intervention	20,764	14,916	16,611	4,168	7,477	n.p.	n.p.	n.a.	67,856
930-939 Physical & respiratory therapy, rehabilitation & related	149,588	132,932	81,676	11,713	42,032	n.p.	n.p.	n.a.	427,579
940-949 Procedures related to the psyche	92,741	38,605	55,391	11,010	9,821	n.p.	n.p.	n.a.	210,820
950-954 Ophthalmologic & otologic diagnosis & treatment	81	8	72	20	21	n.p.	n.p.	n.a.	212
960-967 Nonoperative intubation & irrigation	4,077	6,993	6,515	1,479	2,444	n.p.	n.p.	n.a.	22,376
970-978 Replacement & removal of therapeutic appliances	1,370	1,857	1,537	669	581	n.p.	n.p.	n.a.	6,310
980-985 Nonoperative removal of foreign body or calculus	1,706	957	1,309	210	456	n.p.	n.p.	n.a.	4,748
990-999 Other nonoperative procedures	27,524	51,600	41,651	12,718	15,868	n.p.	n.p.	n.a.	155,364
No principal procedure or not reported	303,668	666,898	369,941	99,929	141,339	n.p.	n.p.	n.a.	1,649,087
Total	1,595,633	1,670,561	1,332,740	439,683	533,802	199,742	61,937	n.a.	5,834,098

Note: Abbreviation: op.—operation.

(a) Total includes Tas and ACT but not NT.

n.p. not published.

n.a. not available.

Table 8.8: Separations for males by age group and principal procedure in ICD-9-CM groupings, all hospitals, Australia, 1996-97

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total ^(a)
010-029 Op. on skull, brain & cerebral meninges	245	190	360	512	525	527	698	596	791	516	4,960
030-039 Op. on spinal cord & spinal canal structures	911	783	816	715	1,657	2,254	2,401	1,899	2,120	1,414	14,970
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	11	59	203	1,364	2,505	3,109	3,169	2,564	2,692	1,989	17,665
060-079 Op. on thyroid, parathyroid & other endocrine glands	4	56	67	90	226	332	468	369	317	104	2,033
080-129, 140-169 Op. on the eye (excluding lens)	510	1,985	1,625	1,344	1,952	2,484	3,063	3,679	5,464	5,390	27,496
130-139 Op. on lens	27	47	104	102	216	595	1,789	4,630	13,275	19,077	39,862
180-189 Op. on external ear	56	231	935	653	520	646	922	1,186	1,732	1,934	8,815
190-209 Reconstructive & other op. on middle & inner ear	947	10,839	8,722	691	666	882	962	707	562	218	25,196
210-229 Op. on nose & nasal sinuses	31	417	2,203	4,910	4,906	4,571	4,269	3,447	3,393	2,360	30,507
230-249 Operations on teeth, gums & alveoli	19	3,810	5,311	11,788	5,511	2,495	1,561	893	642	314	32,344
250-269 Op. on tongue, salivary glands & ducts	120	435	325	165	268	379	403	394	430	222	3,141
270-279 Other operations on mouth & face	305	584	571	549	602	697	784	664	817	590	6,163
280-299 Op. on tonsils, adenoids & pharynx	80	5,974	8,210	2,332	1,306	948	677	418	324	143	20,412
300-319 Op. on larynx & trachea	148	145	202	167	362	528	861	1,059	1,266	490	5,228
320-339 Op. on lung & bronchus	107	127	80	281	398	649	1,345	2,307	3,351	1,831	10,476
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	48	24	81	777	656	576	789	1,077	1,850	1,530	7,408
350-359 Op. on valves & septa of heart	213	168	101	68	81	150	279	476	661	427	2,624
360-369 Op. on vessels of heart	0	7	1	1	80	1,154	4,344	6,575	7,525	2,386	22,073
370-379 Other op. on heart & pericardium	73	127	158	325	551	2,206	6,499	9,002	10,283	4,874	34,098
380-389 Incision, excision & occlusion of vessels	505	170	198	551	1,081	2,075	3,005	4,051	5,803	3,563	21,002
390-399 Other op. on vessels	109	130	1,093	8,635	19,675	28,237	36,849	45,642	63,887	22,360	226,617
400-419 Op. on the haemic & lymphatic system	53	328	574	717	812	1,025	1,404	1,556	1,889	1,359	9,717
420-429 Op. on oesophagus	115	252	178	155	234	561	1,085	1,344	1,982	1,527	7,433
430-449 Op. on stomach	448	145	191	489	1,189	1,850	2,450	2,404	2,935	2,229	14,330
450-459 Incision, excision & anastomosis of intestine	336	592	1,128	5,023	12,672	22,606	33,622	34,671	37,394	21,819	169,864
460-469 Other op. on intestine	181	60	60	88	136	197	341	511	732	435	2,741
470-479 Op. on appendix	5	97	3,146	3,613	2,328	1,515	797	446	265	104	12,316
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	313	232	250	905	3,395	5,190	5,386	4,126	3,346	1,759	24,902
500-529 Op. on liver, gallbladder, biliary tract & pancreas	35	53	111	353	1,461	2,988	3,635	3,885	4,883	3,142	20,546
530-539 Repair of hernia	1,784	2,735	1,793	2,094	3,767	5,562	7,963	8,052	8,138	5,146	47,034
540-549 Other op. on abdominal region	106	131	270	452	788	1,192	1,667	2,203	2,764	1,410	10,984
550-559 Op. on kidney	154	120	161	296	455	688	909	975	922	472	5,152
560-599 Op. on the urinary bladder & other urinary tract	594	1,342	873	1,091	2,297	4,247	7,202	10,447	16,708	15,153	59,954

(continued)

Table 8.8 (continued): Separations for males by age group and principal procedure in ICD-9-CM groupings, all hospitals, Australia, 1996-97

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total ^(a)
600-609 Op. on prostate & seminal vesicles	0	0	1	6	25	95	1,158	5,294	10,005	8,162	24,746
610-629 Op. on scrotum, tunica vaginalis & testes	345	1,808	2,906	1,221	1,180	922	557	477	707	750	10,873
630-639 Op. on spermatic cord, epididymis & vas deferens	23	224	335	751	5,613	9,463	2,463	754	553	206	20,385
640-649 Op. on penis	5,229	3,977	3,792	960	824	528	554	597	530	282	17,273
650-759 Op. on female genital organs; obstetrical procedures	..	..	..	..	..	..	..	..	..	..	..
760-769 Op. on facial bones & joints	1	20	273	2,144	1,564	788	424	194	112	64	5,584
770-789 Op. on bones, except facial bone	45	340	2,564	5,533	4,950	3,909	3,322	2,363	1,770	1,083	25,879
790-799 Reduction of fracture & dislocation	23	1,545	11,518	9,420	6,444	4,016	2,887	1,850	1,789	2,509	42,001
800-809 Incision & excision of joint structures	34	97	748	7,032	9,764	10,024	8,368	5,858	3,983	1,527	47,435
810-819 Repair & plastic op. on joint structures	8	64	502	5,723	7,091	5,984	5,640	6,302	8,409	5,859	45,583
820-839 Op. on muscle, tendon, fascia & bursa	198	604	1,253	3,483	4,149	3,959	4,129	3,751	3,347	1,376	26,249
840-849 Other procedures on musculoskeletal system	21	86	94	402	484	556	584	801	1,189	1,126	5,343
850-859 Op. on the breast	9	3	88	545	427	223	195	156	184	123	1,953
860-869 Op. on skin & subcutaneous tissue	491	3,253	7,235	11,745	10,809	9,950	10,622	9,943	12,673	11,873	88,595
870-889 Diagnostic radiology & related techniques	1,275	2,248	2,468	3,514	4,509	5,519	7,142	8,271	11,823	11,877	58,647
890-919 Interview, evaluation, consultation & other examination	567	504	531	426	973	2,026	3,090	2,577	2,379	1,562	14,635
920-929 Diagnostic & therapeutic intervention	439	910	694	581	946	1,471	2,543	3,615	5,694	5,290	22,183
930-939 Physical & respiratory therapy, rehabilitation & related	5,278	3,339	3,035	3,633	5,046	5,860	7,963	9,551	16,254	20,535	80,495
940-949 Procedures related to the psyche	390	222	202	3,039	5,191	6,199	5,899	3,279	3,396	4,596	32,414
950-954 Ophthalmologic & otologic diagnosis & treatment	177	324	94	21	16	18	21	26	51	48	796
960-967 Nonoperative intubation & irrigation	4,329	845	897	805	924	950	1,381	1,586	2,067	1,629	15,414
970-978 Replacement & removal of therapeutic appliances	218	439	469	326	392	500	698	805	1,032	856	5,735
980-985 Nonoperative removal of foreign body or calculus	38	462	406	222	507	932	1,178	1,161	791	271	5,968
990-999 Other nonoperative procedures	6,613	5,628	8,307	7,278	11,262	15,533	24,393	36,918	42,769	23,363	182,064
No principal procedure or not reported	46,890	50,353	42,628	52,070	64,627	68,378	75,293	79,987	110,630	117,184	708,064
Total	81,235	109,690	131,141	172,176	220,996	260,918	312,102	348,372	451,282	348,438	2,436,382

Note: Abbreviation: op.—operation.

.. not applicable.

(a) Total includes separations for which age was not reported.

Table 8.9: Separations for females by age group and principal procedure in ICD-9-CM groupings, all hospitals, Australia, 1996-97

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total ^(a)
010-029 Op. on skull, brain & cerebral meninges	168	120	316	290	344	448	553	525	601	430	3,795
030-039 Op. on spinal cord & spinal canal structures	624	631	568	1,907	3,318	2,596	2,754	2,101	2,565	2,011	19,075
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	4	28	141	875	2,266	4,173	5,251	3,344	2,842	2,818	21,742
060-079 Op. on thyroid, parathyroid & other endocrine glands	5	45	87	350	942	1,403	1,561	1,066	857	373	6,689
080-129, 140-169 Op. on the eye (excluding lens)	498	1,909	1,406	950	1,519	2,341	3,087	3,090	4,845	6,146	25,791
130-139 Op. on lens	29	27	61	70	138	431	1,510	4,889	18,721	34,427	60,303
180-189 Op. on external ear	51	191	762	551	388	330	313	272	333	428	3,619
190-209 Reconstructive & other op. on middle & inner ear	599	6,995	6,265	658	755	1,069	1,037	758	647	339	19,122
210-229 Op. on nose & nasal sinuses	28	269	1,271	2,973	3,748	3,702	3,608	2,867	2,681	2,483	23,630
230-249 Operations on teeth, gums & alveoli	16	3,335	5,850	21,739	8,298	3,010	1,767	888	559	396	45,858
250-269 Op. on tongue, salivary glands & ducts	57	191	196	156	266	347	401	365	421	278	2,678
270-279 Other operations on mouth & face	242	449	532	341	438	540	670	585	612	654	5,063
280-299 Op. on tonsils, adenoids & pharynx	56	3,985	8,984	5,365	1,616	551	350	238	156	117	21,418
300-319 Op. on larynx & trachea	108	107	128	134	258	374	526	501	467	248	2,851
320-339 Op. on lung & bronchus	57	89	58	169	321	556	1,122	1,369	1,733	994	6,468
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	33	25	43	237	319	449	637	767	1,129	1,291	4,930
350-359 Op. on valves & septa of heart	168	166	109	55	88	126	172	274	536	428	2,122
360-369 Op. on vessels of heart	0	8	4	2	29	145	726	1,691	3,026	1,473	7,104
370-379 Other op. on heart & pericardium	85	92	147	280	339	998	2,658	4,257	5,822	3,828	18,506
380-389 Incision, excision & occlusion of vessels	386	134	211	600	2,355	4,074	4,485	3,877	4,136	2,829	23,087
390-399 Other op. on vessels	54	85	414	3,738	13,595	20,289	26,199	40,044	54,376	16,445	175,239
400-419 Op. on the haemic & lymphatic system	39	288	433	592	782	1,128	1,603	1,210	1,416	1,221	8,712
420-429 Op. on oesophagus	55	136	67	88	193	354	686	746	1,303	1,693	5,321
430-449 Op. on stomach	160	102	141	487	1,225	2,148	2,758	2,472	2,842	2,611	14,946
450-459 Incision, excision & anastomosis of intestine	221	353	992	6,636	13,314	25,400	38,246	36,603	38,134	27,056	186,955
460-469 Other op. on intestine	78	32	50	92	167	223	282	373	538	525	2,360
470-479 Op. on appendix	3	73	2,558	3,959	2,274	1,220	671	296	223	126	11,403
480-499 Op. on rectum, sigmoid, perirectal tissue & anus	90	125	141	1,006	3,033	3,713	3,726	2,782	2,521	2,050	19,187
500-529 Op. on liver, gallbladder, biliary tract & pancreas	28	30	98	2,205	5,479	6,432	7,492	6,836	6,051	4,329	38,980
530-539 Repair of hernia	420	969	665	256	866	1,491	1,835	1,689	2,058	1,586	11,835
540-549 Other op. on abdominal region	86	73	325	4,720	9,111	7,077	3,915	2,915	2,997	1,858	33,077
550-559 Op. on kidney	53	89	104	252	473	595	694	626	618	413	3,918
560-599 Op. on the urinary bladder & other urinary tract	200	446	597	1,082	2,346	4,468	6,112	6,143	7,677	6,759	35,830

(continued)

Table 8.9 (continued): Separations for females by age group and principal procedure in ICD-9-CM groupings, all hospitals, Australia, 1996-97

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total ^(a)
600-649 Op. on male genital organs	..	..	..	..	..	..	..	..	..	..	..
650-669 Op. on ovary & fallopian tubes	13	9	191	4,074	17,624	14,790	3,078	750	453	236	41,219
670-677 Op. on cervix	0	0	21	7,389	11,545	7,608	4,530	1,814	848	285	34,035
680-689 Other incision & excision of uterus	0	0	0	1,115	6,883	19,096	18,953	5,999	4,111	2,082	58,260
690-699 Other op. on uterus & supporting structures	3	1	167	27,296	50,927	33,486	11,122	3,788	1,914	843	129,570
700-719 Op. on vagina, cul-de-sac, vulva & perineum	25	191	335	2,837	4,022	3,740	3,956	3,335	3,250	1,738	23,429
720-729 Forceps, vacuum & breech delivery	0	0	16	5,157	17,544	3,668	13	0	0	0	26,398
730-739 Other procedures inducing or assisting delivery	0	0	31	19,002	45,546	9,651	40	0	0	0	74,270
740-749 Caesarean section & removal of foetus	0	0	14	7,597	31,469	9,941	78	0	0	0	49,099
750-759 Other obstetric operations	0	0	38	16,729	42,396	9,576	39	0	0	0	68,778
760-769 Op. on facial bones & joints	3	16	174	825	586	448	289	145	138	108	2,732
770-789 Op. on bones, except facial bone	31	324	1,768	2,316	2,174	2,725	3,934	3,694	3,639	3,140	23,745
790-799 Reduction of fracture & dislocation	90	1,307	6,391	1,835	1,820	2,038	2,357	2,844	4,414	9,459	32,555
800-809 Incision & excision of joint structures	24	58	680	3,297	3,742	4,700	5,638	4,641	4,074	2,127	28,981
810-819 Repair & plastic op. on joint structures	19	64	541	2,620	3,146	4,046	5,512	6,482	10,343	11,079	43,853
820-839 Op. on muscle, tendon, fascia & bursa	127	486	948	1,837	2,416	2,608	3,219	2,829	2,502	1,409	18,381
840-849 Other procedures on musculoskeletal system	14	47	38	48	98	133	197	268	516	1,118	2,477
850-859 Op. on the breast	33	8	87	2,621	5,927	8,748	9,887	5,690	4,105	2,314	39,420
860-869 Op. on skin & subcutaneous tissue	460	2,660	5,455	6,669	7,935	10,021	10,798	8,227	9,096	12,282	73,603
870-889 Diagnostic radiology & related techniques	925	1,745	1,745	3,066	4,135	4,573	5,250	5,603	8,947	14,387	50,376
890-919 Interview, evaluation, consultation & other examination	491	376	376	371	555	816	1,293	1,271	1,486	1,482	8,517
920-929 Diagnostic & therapeutic intervention	290	698	682	1,167	2,121	1,909	2,594	3,249	5,103	7,494	25,307
930-939 Physical & respiratory therapy, rehabilitation & related	3,563	2,099	2,095	3,103	5,905	5,247	6,615	7,973	15,348	37,017	88,965
940-949 Procedures related to the psyche	325	177	241	4,231	7,657	7,312	5,338	2,977	3,980	8,227	40,465
950-954 Ophthalmologic & otologic diagnosis & treatment	114	240	53	17	12	15	19	20	44	72	606
960-967 Nonoperative intubation & irrigation	3,478	649	687	879	1,145	1,247	1,418	1,299	1,586	1,663	14,052
970-978 Replacement & removal of therapeutic appliances	154	361	302	225	472	697	623	497	536	711	4,578
980-985 Nonoperative removal of foreign body or calculus	14	423	307	146	319	449	500	428	392	210	3,188
990-999 Other nonoperative procedures	5,018	3,995	6,450	6,919	10,294	19,029	32,352	31,390	31,733	21,239	168,419
No principal procedure or not reported	37,181	35,595	30,937	100,316	150,093	91,391	75,299	68,157	94,373	159,495	842,854
Total	57,096	73,126	94,510	296,519	519,111	381,909	342,348	309,829	386,374	428,880	2,889,746

Note: Abbreviation: op.—operation.

.. not applicable.

(a) Total includes separations for which age was not reported.

Table 8.11: Separation, same day separation, patient day and average length of stay statistics for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, public hospitals, Australia, 1996-97

Principal procedure	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days	Patient days per 1,000 population	Average length of stay (days)	Rank by patient days
399 Other operations on vessels	349,931	345,677	98.8	19.0	369,593	20.1	1.1	2
992 Injection or infusion of other therapeutic or prophylactic substance	189,455	148,498	78.4	10.3	362,964	19.7	1.9	3
451 Diagnostic procedures on small intestine	78,708	60,678	77.1	4.3	201,684	10.9	2.6	11
452 Diagnostic procedures on large intestine	50,449	41,879	83.0	2.7	92,492	5.0	1.8	22
990 Transfusion of blood & blood components	42,500	23,463	55.2	2.3	133,066	7.2	3.1	17
756 Repair of other current obstetric laceration	41,497	986	2.4	2.3	150,748	8.2	3.6	16
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	35,074	28,651	81.7	1.9	84,683	4.6	2.4	27
870 Soft tissue x-ray of face, head, & neck	34,406	4,339	12.6	1.9	327,113	17.8	9.5	5
741 Lower segment caesarean section	33,447	55	0.2	1.8	226,639	12.3	6.8	8
690 Dilation & curettage of uterus	32,336	23,383	72.3	1.8	38,731	2.1	1.2	55
930 Diagnostic physical therapy	30,718	1,977	6.4	1.7	408,902	22.2	13.3	1
695 Aspiration curettage of uterus	28,750	22,274	77.5	1.6	31,322	1.7	1.1	66
372 Diagnostic procedures on heart & pericardium	28,230	12,022	42.6	1.5	82,754	4.5	2.9	28
730 Artificial rupture of membranes	25,682	606	2.4	1.4	91,636	5.0	3.6	24
134 Extracapsular extraction of lens by fragmentation & aspiration technique	25,214	17,126	67.9	1.4	30,404	1.7	1.2	69
793 Open reduction of fracture with internal fixation	25,191	896	3.6	1.4	198,106	10.8	7.9	12
947 Social work assessment & management	24,587	1,007	4.1	1.3	347,213	18.8	14.1	4
512 Cholecystectomy	24,368	219	0.9	1.3	99,249	5.4	4.1	21
939 Respiratory therapy	23,921	8,225	34.4	1.3	131,396	7.1	5.5	18
790 Closed reduction of fracture without internal fixation	22,555	5,547	24.6	1.2	45,697	2.5	2.0	48
932 Other physical therapy musculoskeletal manipulation	22,550	4,063	18.0	1.2	262,457	14.2	11.6	7
991 Injection or infusion of therapeutic or prophylactic substance	21,910	12,067	55.1	1.2	59,341	3.2	2.7	38
929 Nutritional assessment & management	21,866	1,034	4.7	1.2	217,109	11.8	9.9	9
573 Diagnostic procedures on bladder	21,592	15,959	73.9	1.2	40,598	2.2	1.9	51
530 Unilateral repair of inguinal hernia	18,328	3,884	21.2	1.0	39,394	2.1	2.1	54
862 Excision or destruction of lesion or tissue of skin & sub. tissue	18,208	6,057	33.3	1.0	110,244	6.0	6.1	19
470 Appendectomy	18,110	52	0.3	1.0	64,700	3.5	3.6	33
815 Joint replacement of lower extremity	16,455	7	0.0	0.9	206,923	11.2	12.6	10
938 Other rehabilitation therapy	16,264	1,008	6.2	0.9	271,844	14.8	16.7	6
200 Myringotomy	15,792	14,168	89.7	0.9	16,894	0.9	1.1	108
Other	1,056,197	384,523	36.4	57.3	5,061,988	274.8	4.8	..
No principal procedure or not reported	1,247,676	330,577	26.5	67.7	6,725,843	365.1	5.4	..
Total	3,641,967	1,520,907	41.8	197.7	16,531,727	897.4	4.5	

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

.. not applicable.

Table 8.12: Separation, same day separation, patient day and average length of stay statistics for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, private hospitals, Australia, 1996-97

Principal procedure	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days	ALOS (days)	Rank by patient days
452 Diagnostic procedures on large intestine	85,650	79,762	93.1	4.7	103,488	1.2	5
451 Diagnostic procedures on small intestine	32,235	76,320	92.8	4.5	117,446	1.4	2
992 Injection or infusion of other therapeutic or prophylactic substance	62,071	52,126	84.0	3.4	94,521	1.5	7
134 Extracapsular extraction of lens by fragmentation & aspiration technique	50,197	31,718	63.2	2.8	58,365	1.2	12
231 Surgical removal of tooth	43,821	32,459	74.1	2.4	45,053	1.0	24
399 Other operations on vessels	36,406	36,063	99.1	2.0	38,399	1.1	29
454 Local excision or destruction of lesion or tissue of large intestine	32,714	30,298	92.6	1.8	37,686	1.2	31
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	30,288	24,500	80.9	1.7	47,821	1.6	21
695 Aspiration curettage of uterus	24,123	22,998	95.3	1.3	24,538	1.0	43
806 Excision of semilunar cartilage of knee	22,095	14,624	66.2	1.2	26,567	1.5	40
573 Diagnostic procedures on bladder	21,959	17,941	81.7	1.2	31,200	1.7	14
690 Dilatation and curettage of uterus	20,114	17,164	85.3	1.1	21,791	1.2	11
814 Other repair of joint of lower extremity	19,254	8,005	41.6	1.1	32,289	1.8	17
815 Joint replacement of lower extremity	18,245	32	0.2	1.0	240,833	13.2	1
200 Myringotomy	17,627	16,613	94.2	1.0	18,006	1.0	60
698 Reproductive medicine procedures	17,293	16,814	97.2	0.9	17,659	1.0	63
530 Unilateral repair of inguinal hernia	16,542	1,585	9.6	0.9	39,578	2.2	24
512 Cholecystectomy	15,202	69	0.5	0.8	57,467	3.2	13
372 Diagnostic procedures on heart & pericardium	15,191	4,149	27.3	0.8	33,410	1.8	22
741 Lower segment caesarean section	14,798	16	0.1	0.8	115,737	6.3	7.8
756 Repair of other current obstetric laceration	12,584	59	0.5	0.7	67,739	3.7	5.4
441 Diagnostic procedures on stomach	12,102	11,361	93.9	0.7	16,506	0.9	1.4
044 Lysis of adhesions & decompression of cranial & peripheral nerves	11,991	7,923	66.1	0.7	15,574	0.9	1.3
218 Repair & plastic operations on the nose	11,199	1,624	14.5	0.6	17,170	0.9	1.5
039 Other operations on spinal cord & spinal canal structures	10,364	5,965	57.6	0.6	30,483	1.7	2.9
990 Transfusion of blood & blood components	10,364	4,052	39.1	0.6	38,018	2.1	3.7
385 Ligation & stripping of varicose veins	9,943	1,082	10.9	0.5	22,538	1.2	2.3
602 Transurethral prostatectomy	9,839	126	1.3	0.5	49,372	2.7	5.0
862 Excision or destruction of lesion or tissue of skin & sub. tissue	9,812	5,073	51.7	0.5	37,021	2.0	3.8
944 Other psychotherapy & counselling	9,812	7,958	81.1	0.5	47,906	2.6	4.9
Other	627,771	231,487	36.9	34.4	2,640,830	144.8	4.2
No principal procedure or not reported	303,342	99,318	32.7	16.6	1,649,087	90.4	5.4
Total	1,684,948	859,284	51.0	92.4	5,834,098	319.9	3.5

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

... not applicable.

Table 8.13: Separations for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, public hospitals, States and Territories, 1996–97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
399 Other operations on vessels	107,010	97,675	53,214	32,670	28,060	6,967	9,711	14,624	349,931
992 Injection or infusion of other therapeutic or prophylactic substance	61,673	48,911	30,672	20,409	17,516	5,868	4,072	334	189,455
451 Diagnostic procedures on small intestine	34,185	2,109	16,462	11,329	9,318	2,333	2,023	949	78,708
452 Diagnostic procedures on large intestine	21,630	1,376	10,870	7,322	5,931	1,596	1,200	524	50,449
990 Transfusion of blood and blood components	15,960	11,316	5,631	3,223	4,255	1,313	633	169	42,500
756 Repair of other current obstetric laceration	16,810	9,595	7,440	3,490	2,326	746	662	428	41,497
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	9,936	7,363	8,967	3,624	3,393	823	810	154	35,074
870 Soft tissue x-ray of face, head, & neck	14,723	936	8,663	4,105	3,977	1,268	350	384	34,406
741 Lower segment caesarean section	11,469	8,124	6,110	3,079	2,884	686	592	503	33,447
690 Dilatation & curettage of uterus	10,151	7,782	7,045	3,733	2,293	437	507	388	32,336
930 Diagnostic physical therapy	10,194	7,522	7,348	2,233	1,886	885	176	474	30,718
695 Aspiration curettage of uterus	7,264	9,551	1,270	2,381	6,137	248	248	1,084	28,750
372 Diagnostic procedures on heart & pericardium	13,151	389	4,680	3,668	4,110	851	1,381	0	28,230
730 Artificial rupture of membranes	9,162	6,561	4,914	1,984	1,512	571	685	293	25,682
134 Extracapsular extraction of lens by fragmentation & aspiration technique	8,278	8,556	3,057	2,184	2,908	43	112	76	25,214
793 Open reduction of fracture with internal fixation	8,755	6,031	4,453	2,663	1,737	560	620	372	25,191
947 Social work assessment & management	9,831	3,811	4,975	1,229	3,344	257	631	509	24,587
512 Cholecystectomy	8,388	6,558	4,112	1,984	2,262	462	426	176	24,368
939 Respiratory therapy	6,658	4,717	5,242	4,033	1,946	731	124	470	23,921
790 Closed reduction of fracture without internal fixation	8,803	4,880	4,183	2,132	1,536	375	385	261	22,555
932 Other physical therapy musculoskeletal manipulation	11,754	3,008	2,206	1,994	2,735	563	189	101	22,550
991 Injection or infusion of therapeutic or prophylactic substance	7,322	4,130	4,240	2,942	2,320	463	366	127	21,910
929 Nutritional assessment & management	10,270	4,662	3,205	1,663	938	326	484	318	21,866
573 Diagnostic procedures on bladder	8,898	922	4,205	2,893	3,422	938	147	167	21,592
530 Unilateral repair of inguinal hernia	6,038	5,004	3,176	1,714	1,630	362	261	143	18,328
862 Excision or destruction of lesion or tissue of skin & sub. tissue	5,922	4,235	3,493	1,477	2,112	399	182	388	18,208
470 Appendectomy	6,441	4,805	2,807	1,962	1,159	396	355	185	18,110
815 Joint replacement of lower extremity	6,022	4,181	2,341	1,282	1,801	448	340	40	16,455
938 Other rehabilitation therapy	7,236	3,152	2,454	1,770	1,049	302	148	153	16,264
200 Myringotomy	3,831	4,990	2,075	1,904	2,220	239	379	154	15,792
Other	353,374	229,573	199,611	115,381	106,095	24,826	17,080	10,257	1,056,197
No principal procedure or not reported	414,936	377,472	219,395	94,604	96,378	19,903	10,915	14,073	1,247,676
Total	1,236,075	899,897	648,516	347,061	329,190	76,752	56,198	48,278	3,641,967

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

Table 8.14: Separations for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, private hospitals, States and Territories, 1996–97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
452 Diagnostic procedures on large intestine	38,263	10,318	22,533	5,794	5,830	2,667	245	n.a.	85,650
451 Diagnostic procedures on small intestine	35,762	6,063	22,747	7,290	7,189	2,984	200	n.a.	82,235
992 Injection or infusion of other therapeutic or prophylactic substance	9,015	25,389	16,285	3,103	6,473	1,003	803	n.a.	62,071
134 Extracapsular extraction of lens by fragmentation & aspiration technique	18,596	11,263	12,958	2,431	2,903	1,839	207	n.a.	50,197
231 Surgical removal of tooth	12,717	12,512	8,642	4,185	4,036	890	839	n.a.	43,821
399 Other operations on vessels	9,653	14,620	5,950	10	6,170	n.p.	n.p.	n.a.	36,406
454 Local excision or destruction of lesion or tissue of large intestine	14,353	6,141	7,251	2,462	1,890	550	67	n.a.	32,714
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	11,517	6,799	6,883	1,537	2,443	707	402	n.a.	30,288
695 Aspiration curettage of uterus	15,121	3,270	568	4,142	627	307	88	n.a.	24,123
806 Excision of semilunar cartilage of knee	7,945	5,702	3,174	1,736	2,595	669	274	n.a.	22,095
573 Diagnostic procedures on bladder	8,627	3,915	5,062	1,976	1,217	951	211	n.a.	21,959
690 Dilatation & curettage of uterus	7,369	5,077	3,643	1,386	1,538	701	400	n.a.	20,114
814 Other repair of joint of lower extremity	6,561	4,868	2,445	1,932	2,801	237	410	n.a.	19,254
815 Joint replacement of lower extremity	5,792	4,600	3,340	1,766	1,684	711	352	n.a.	18,245
200 Myringotomy	4,815	5,322	3,138	1,117	2,399	586	250	n.a.	17,627
698 Reproductive medicine procedures	6,374	4,832	4,009	896	429	n.p.	n.p.	n.a.	17,293
530 Unilateral repair of inguinal hernia	5,837	4,163	3,156	1,148	1,322	608	308	n.a.	16,542
512 Cholecystectomy	5,309	3,609	3,147	985	1,397	525	230	n.a.	15,202
372 Diagnostic procedures on heart & pericardium	7,541	132	4,603	1,225	1,218	n.p.	n.p.	n.a.	15,191
741 Lower segment caesarean section	3,740	3,632	3,617	1,570	1,341	559	339	n.a.	14,798
756 Repair of other current obstetric laceration	3,654	3,686	2,350	1,075	1,093	469	257	n.a.	12,584
441 Diagnostic procedures on stomach	7,663	1,598	2,600	54	52	129	6	n.a.	12,102
044 Lysis of adhesions & decompression of cranial & peripheral nerves	3,590	3,377	2,336	1,023	1,086	410	169	n.a.	11,991
218 Repair & plastic operations on the nose	3,782	3,178	1,793	776	1,265	199	206	n.a.	11,199
039 Other operations on spinal cord & spinal canal structures	2,463	3,080	1,083	1,687	1,500	534	17	n.a.	10,364
990 Transfusion of blood & blood components	1,978	2,894	3,776	530	810	292	84	n.a.	10,364
385 Ligation & stripping of varicose veins	3,270	2,869	1,597	790	825	454	138	n.a.	9,943
602 Transurethral prostatectomy	3,256	2,789	1,815	606	801	396	176	n.a.	9,839
862 Excision or destruction of lesion or tissue of skin & sub. tissue	3,580	2,466	1,533	611	1,156	379	87	n.a.	9,812
944 Other psychotherapy & counselling	6,086	254	2,648	807	13	n.p.	n.p.	n.a.	9,812
Other	201,356	140,839	141,952	53,894	58,888	23,116	7,726	n.a.	627,771
No principal procedure or not reported	47,283	149,297	55,665	18,072	19,653	10,878	2,494	n.a.	303,342
Total	522,868	458,554	362,299	126,616	142,644	54,749	17,218	n.a.	1,684,948

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

(a) Total includes Tas and ACT but not NT.

n.p. not published.

n.a. not available.

Table 8.15: Average length of stay (days) for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, public hospitals, States and Territories, 1996–97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
399 Other operations on vessels	1.1	1.0	1.1	1.0	1.1	1.1	1.0	1.1	1.1
992 Injection or infusion of other therapeutic or prophylactic substance	1.7	2.0	1.8	2.5	2.2	1.8	1.4	3.3	1.9
451 Diagnostic procedures on small intestine	2.7	2.2	2.7	2.2	2.4	2.4	2.3	2.1	2.6
452 Diagnostic procedures on large intestine	1.9	1.6	1.8	1.7	1.7	1.7	2.1	1.6	1.8
990 Transfusion of blood and blood components	3.5	2.4	3.3	3.4	3.0	3.4	3.5	5.0	3.1
756 Repair of other current obstetric laceration	3.6	3.7	3.6	3.8	3.5	3.5	3.7	4.2	3.6
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	2.3	1.6	3.6	2.1	1.8	2.3	1.4	1.7	2.4
870 Soft tissue x-ray of face, head, & neck	8.4	8.6	9.8	11.2	10.6	11.4	12.2	10.3	9.5
741 Lower segment caesarean section	6.9	6.7	6.2	7.2	6.9	6.5	7.1	7.6	6.8
690 Dilatation & curettage of uterus	1.2	1.1	1.3	1.2	1.2	1.3	1.2	1.4	1.2
930 Diagnostic physical therapy	12.6	18.1	9.9	15.1	12.0	10.8	8.8	7.8	13.3
695 Aspiration curettage of uterus	1.2	1.0	1.2	1.1	1.1	1.1	1.2	1.1	1.1
372 Diagnostic procedures on heart & pericardium	3.0	5.2	2.9	2.7	2.7	3.8	2.6	0.0	2.9
730 Artificial rupture of membranes	3.4	3.9	3.2	3.8	3.6	3.3	3.4	4.3	3.6
134 Extracapsular extraction of lens by fragmentation & aspiration technique	1.2	1.2	1.2	1.3	1.1	1.1	2.0	1.6	1.2
793 Open reduction of fracture with internal fixation	7.7	7.3	9.1	7.9	6.7	8.0	8.1	11.4	7.9
947 Social work assessment & management	13.0	19.1	12.1	8.8	18.4	8.4	11.6	9.4	14.1
512 Cholecystectomy	4.5	3.9	3.5	4.5	3.7	4.4	4.5	5.7	4.1
939 Respiratory therapy	6.6	6.2	5.2	3.8	4.3	5.5	11.7	4.5	5.5
790 Closed reduction of fracture without internal fixation	2.1	2.0	1.8	2.1	2.0	2.6	1.9	2.8	2.0
932 Other physical therapy musculoskeletal manipulation	10.8	15.3	12.4	6.5	14.3	12.7	10.9	7.7	11.6
991 Injection or infusion of therapeutic or prophylactic substance	2.7	2.4	3.5	2.2	2.3	4.2	2.0	4.3	2.7
929 Nutritional assessment & management	9.6	12.5	9.3	6.3	9.6	10.7	8.9	9.8	9.9
573 Diagnostic procedures on bladder	1.9	1.6	1.9	2.1	1.7	1.6	3.1	2.7	1.9
530 Unilateral repair of inguinal hernia	2.5	1.9	1.8	2.2	2.3	1.9	2.3	4.5	2.1
862 Excision or destruction of lesion or tissue of skin & sub. tissue	5.9	6.1	5.9	6.0	6.1	6.3	5.5	9.2	6.1
470 Appendectomy	3.7	3.5	3.4	3.5	3.5	4.0	4.1	4.1	3.6
815 Joint replacement of lower extremity	12.8	12.5	14.1	13.3	9.2	13.4	12.2	12.4	12.6
938 Other rehabilitation therapy	15.5	19.4	16.0	15.2	23.1	13.6	14.6	9.9	16.7
200 Myringotomy	1.1	1.0	1.1	1.0	1.2	1.0	1.0	1.0	1.1
Total^(a)	4.8	4.1	4.8	4.2	4.5	6.1	4.0	3.8	4.5

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

(a) For all separations.

Table 8.16: Average length of stay (days) for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, private hospitals, States and Territories, 1996–97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
452 Diagnostic procedures on large intestine	1.1	1.1	1.3	1.3	1.3	1.4	1.9	n.a.	1.2
451 Diagnostic procedures on small intestine	1.2	1.1	1.7	1.6	1.6	1.8	3.4	n.a.	1.4
992 Injection or infusion of other therapeutic or prophylactic substance	1.6	1.4	1.4	2.4	1.5	1.9	1.6	n.a.	1.5
134 Extracapsular extraction of lens by fragmentation & aspiration technique	1.1	1.1	1.2	1.5	1.1	1.3	1.4	n.a.	1.2
231 Surgical removal of tooth	1.0	1.0	1.0	1.0	1.0	1.0	1.1	n.a.	1.0
399 Other operations on vessels	1.1	1.0	1.1	2.6	1.0	n.p.	n.p.	n.a.	1.1
454 Local excision or destruction of lesion or tissue of large intestine	1.1	1.1	1.3	1.2	1.2	1.3	1.8	n.a.	1.2
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	1.4	1.5	1.8	2.1	1.7	2.1	1.7	n.a.	1.6
695 Aspiration curettage of uterus	1.0	1.0	1.0	1.0	1.1	1.0	1.0	n.a.	1.0
806 Excision of semilunar cartilage of knee	1.2	1.1	1.3	1.3	1.3	1.2	1.1	n.a.	1.2
573 Diagnostic procedures on bladder	1.3	1.1	1.8	1.7	1.5	1.7	1.4	n.a.	1.4
690 Dilation & curettage of uterus	1.1	1.1	1.1	1.1	1.1	1.2	1.0	n.a.	1.1
814 Other repair of joint of lower extremity	1.5	1.9	1.7	1.5	1.8	2.0	1.4	n.a.	1.7
815 Joint replacement of lower extremity	12.9	13.2	13.8	14.2	12.2	13.6	11.4	n.a.	13.2
200 Myringotomy	1.0	1.0	1.1	1.0	1.0	1.0	1.0	n.a.	1.0
698 Reproductive medicine procedures	1.0	1.0	1.0	1.3	1.0	n.p.	n.p.	n.a.	1.0
530 Unilateral repair of inguinal hernia	2.5	2.3	2.1	2.5	2.8	2.3	2.3	n.a.	2.4
512 Cholecystectomy	3.4	4.1	3.7	4.2	4.3	3.9	3.8	n.a.	3.8
372 Diagnostic procedures on heart & pericardium	2.0	3.2	2.4	1.9	2.3	n.p.	n.p.	n.a.	2.2
741 Lower segment caesarean section	7.7	8.2	7.6	8.3	7.3	7.0	8.1	n.a.	7.8
756 Repair of other current obstetric laceration	5.4	5.6	5.4	5.0	5.0	4.6	5.8	n.a.	5.4
441 Diagnostic procedures on stomach	1.2	1.1	1.9	1.5	2.2	3.6	5.5	n.a.	1.4
044 Lysis of adhesions & decompression of cranial & peripheral nerves	1.3	1.3	1.3	1.5	1.2	1.4	1.4	n.a.	1.3
218 Repair & plastic operations on the nose	1.5	1.7	1.2	1.6	1.7	1.7	1.4	n.a.	1.5
039 Other operations on spinal cord & spinal canal structures	2.8	3.3	3.6	2.4	2.2	3.6	6.8	n.a.	2.9
990 Transfusion of blood & blood components	4.2	3.4	2.9	6.0	4.8	3.8	9.2	n.a.	3.7
385 Ligation & stripping of varicose veins	2.3	2.1	2.0	2.8	2.7	2.2	1.7	n.a.	2.3
602 Transurethral prostatectomy	4.8	4.6	5.2	5.8	5.2	6.8	5.9	n.a.	5.0
862 Excision or destruction of lesion or tissue of skin & sub. tissue	3.1	4.5	4.3	3.4	3.7	4.0	2.3	n.a.	3.8
944 Other psychotherapy & counselling	4.5	14.8	5.4	2.6	21.6	n.p.	n.p.	n.a.	4.9
Total^(b)	3.1	3.6	3.7	3.5	3.7	3.6	3.6	n.a.	3.5

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

(a) Total includes Tas and ACT but not NT.

(b) For all separations.

n.a. not available.

n.p. not published.

Table 8.17: Separations for males for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, by age group, all hospitals, Australia, 1996-97

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total ^(a)
399 Other operations on vessels	32	71	1,033	8,340	19,318	27,804	35,936	43,932	60,761	20,211	217,438
992 Injection or infusion of other therapeutic or prophylactic substance	1,911	3,613	5,042	4,506	8,255	11,605	18,982	29,858	31,843	12,698	128,313
451 Diagnostic procedures on small intestine	234	482	851	3,295	7,679	11,429	14,706	13,846	15,125	9,557	77,205
452 Diagnostic procedures on large intestine	19	83	210	1,458	4,218	8,652	12,894	12,424	12,859	7,300	60,117
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	140	736	1,899	1,771	2,472	3,530	4,694	4,807	6,825	6,675	33,549
530 Unilateral repair of inguinal hernia	598	1,909	1,329	1,734	2,653	3,520	4,663	5,410	5,872	4,047	31,939
134 Extracapsular extraction of lens by fragmentation & aspiration technique	5	8	21	53	115	406	1,278	3,392	10,008	14,343	29,629
372 Diagnostic procedures on heart & pericardium	66	113	103	194	430	1,988	6,126	8,318	8,746	2,853	28,937
990 Transfusion of blood & blood components	247	1,137	1,442	1,586	1,730	1,636	2,270	3,517	6,710	8,343	28,618
573 Diagnostic procedures on bladder	96	201	235	500	1,132	2,162	3,611	5,075	7,801	6,316	27,129
454 Local excision or destruction of lesion or tissue of large intestine	1	4	14	79	486	2,082	5,233	7,093	7,488	3,479	25,959
231 Surgical removal of tooth	2	729	2,409	11,063	4,824	1,761	922	511	387	227	22,835
870 Soft tissue x-ray of face, head, & neck	466	1,056	1,173	1,836	1,726	1,556	1,805	2,353	3,982	5,332	21,285
806 Excision of semilunar cartilage of knee	0	1	122	2,731	4,024	4,655	4,332	3,027	1,826	505	21,223
602 Transurethral prostatectomy	0	0	0	1	7	42	719	3,870	8,291	7,325	20,255
200 Myringotomy	908	10,243	6,827	187	168	227	280	235	237	108	19,420
793 Open reduction of fracture with internal fixation	2	144	1,513	4,861	3,776	2,436	1,684	1,070	1,001	1,610	18,097
862 Excision or destruction of lesion or tissue of skin & sub. tissue	84	616	2,216	4,834	3,066	2,067	1,709	1,243	1,131	837	17,804
939 Respiratory therapy	4,560	1,492	942	708	1,094	1,162	1,862	1,795	2,312	1,652	17,579
930 Diagnostic physical therapy	227	259	359	638	755	949	1,194	1,816	3,800	5,947	15,944
814 Other repair of joint of lower extremity	0	0	198	3,584	4,447	3,052	1,941	1,062	583	195	15,062
790 Closed reduction of fracture without internal fixation	11	1,215	8,677	2,134	860	556	440	295	249	194	14,631
815 Joint replacement of lower extremity	0	0	2	46	115	335	960	2,896	5,643	4,517	14,514
640 Circumcision	5,123	3,683	3,432	595	425	271	224	247	239	177	14,416
637 Vasectomy & ligation of vas deferens	0	1	0	86	4,694	8,065	1,403	135	11	8	14,403
786 Removal of implanted devices from bone	26	200	1,425	3,395	2,926	1,977	1,346	790	507	251	12,843
991 Injection or infusion of therapeutic or prophylactic substance	338	722	1,703	905	852	1,493	1,575	1,724	1,986	1,174	12,472
932 Other physical therapy musculoskeletal manipulation	60	90	231	438	744	767	1,011	1,592	3,093	4,403	12,430
361 Bypass anastomosis for heart revascularisation	0	0	0	0	25	437	1,991	3,576	4,687	1,519	12,235
470 Appendectomy	3	93	3,123	3,599	2,317	1,499	788	439	261	104	12,226
Other	19,186	30,436	41,982	54,949	71,036	84,420	100,026	102,037	126,388	99,347	729,812
No principal procedure or not reported	46,890	50,353	42,628	52,070	64,627	68,377	75,293	79,987	110,630	117,184	708,063
Total	81,235	109,690	131,141	172,176	220,996	260,918	312,102	348,372	451,262	348,438	2,436,382

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

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

Table 8.18: Separations for females for the 30 principal procedures in 3-digit ICD-9-CM groupings with the highest number of separations, by age group, all hospitals, Australia, 1996-97

Principal procedure	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total ^(a)
399 Other operations on vessels	2	55	387	3,637	13,361	19,863	25,542	39,180	52,425	14,447	168,899
992 Injection or infusion of other therapeutic or prophylactic substance	1,392	2,965	4,236	3,944	6,744	15,396	27,778	26,417	24,142	10,192	123,206
451 Diagnostic procedures on small intestine	157	290	731	3,901	6,974	11,987	16,605	15,079	15,556	12,327	83,607
452 Diagnostic procedures on large intestine	13	39	208	2,428	5,588	11,222	16,813	15,069	14,988	9,492	75,860
756 Repair of other current obstetric laceration	0	0	28	11,779	34,657	7,596	21	0	0	0	54,081
695 Aspiration curettage of uterus	0	0	128	19,023	23,182	10,241	270	4	1	2	52,873
690 Dilatation & curettage of uterus	0	0	31	6,984	16,035	12,909	10,324	3,669	1,749	747	52,449
741 Lower segment caesarean section	0	0	14	7,457	30,947	9,750	76	0	0	0	48,244
134 Extracapsular extraction of lens by fragmentation & aspiration technique	5	4	15	43	104	323	1,146	3,687	14,272	26,162	45,761
231 Surgical removal of tooth	4	639	2,960	20,771	7,321	2,098	1,018	504	335	260	35,910
730 Artificial rupture of membranes	0	0	15	8,770	19,275	3,861	15	0	0	0	31,936
863 Other local excision or destruction of lesion or tissue of skin & sub. tissue	157	846	2,325	2,286	3,137	4,269	4,697	3,830	4,462	5,775	31,784
512 Cholecystectomy	2	3	54	1,829	4,502	5,186	5,800	5,081	4,011	2,150	28,618
990 Transfusion of blood & blood components	216	382	1,042	1,618	1,466	1,540	2,110	2,567	4,787	8,517	24,245
930 Diagnostic physical therapy	155	222	271	793	1,466	1,097	1,227	1,684	4,066	10,716	21,697
673 Other excision or destruction of lesion or tissue of cervix	0	0	7	4,771	7,335	4,844	3,032	1,123	461	121	21,694
454 Local excision or destruction of lesion or tissue of large intestine	0	10	22	111	452	1,713	3,982	5,219	5,625	3,135	20,269
852 Excision or destruction of breast tissue	2	4	55	1,131	2,613	4,583	5,353	3,119	2,240	1,161	20,261
698 Reproductive medicine procedures	3	0	0	415	10,178	9,362	293	4	0	2	20,257
815 Joint replacement of lower extremity	0	0	2	26	122	305	1,075	2,828	7,012	8,815	20,186
734 Medical induction of labour	0	0	7	4,848	11,900	2,632	13	0	0	0	19,400
684 Total abdominal hysterectomy	0	0	2	33	1,585	6,866	7,023	1,499	867	490	18,365
870 Soft tissue x-ray of face, head, & neck	309	690	665	1,012	1,093	1,213	1,368	1,536	3,227	7,172	18,285
932 Other physical therapy musculoskeletal manipulation	57	84	174	492	954	936	1,054	1,410	3,366	9,173	17,700
736 Episiotomy	0	0	8	3,800	10,780	2,349	8	0	0	0	16,945
573 Diagnostic procedures on bladder	40	183	273	517	1,075	2,093	2,720	2,884	3,765	2,863	16,413
542 Diagnostic procedures of abdominal region	3	0	112	3,647	6,444	4,095	1,300	348	276	164	16,389
947 Social work assessment & management	320	176	194	1,688	2,052	1,375	877	848	1,878	5,970	15,378
685 Vaginal hysterectomy	0	0	0	28	1,253	4,898	4,463	1,722	1,779	1,014	15,157
662 Bilateral endoscopic destruction or occlusion of fallopian tubes	0	0	1	462	6,832	6,864	386	0	0	0	14,545
Other	17,078	30,939	49,606	77,959	129,591	119,052	120,660	102,361	120,711	128,518	896,478
No principal procedure or not reported	37,181	35,595	30,937	100,316	150,093	91,391	75,299	68,157	94,373	159,495	842,854
Total	57,096	73,126	94,510	296,519	519,111	381,909	342,348	309,829	386,374	428,880	2,889,746

Notes 1. Abbreviation: sub.—subcutaneous.

2. A similar listing of all principal procedures in 3-digit ICD-9-CM groupings is provided on the Internet at <http://www.aihw.gov.au>.

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

Table 8.19: Principal and additional procedures in ICD-9-CM groupings, public hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
010-029 Op. on skull, brain & cerebral meninges	4,242	3,066	1,865	1,100	899	278	292	46	11,788
030-039 Op. on spinal cord & spinal canal structures	22,927	16,724	13,509	7,112	6,776	1,678	1,311	594	70,631
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	8,191	6,277	4,359	3,125	2,693	513	382	216	25,756
060-079 Op. on thyroid, parathyroid & other endocrine glands	2,492	1,655	961	500	448	153	78	28	6,315
080-129, 140-169 Op. on the eye (excluding lens)	13,024	10,736	6,671	3,975	3,864	385	292	303	39,250
130-139 Op. on lens	23,369	22,280	10,061	7,505	7,652	270	616	537	72,290
180-189 Op. on external ear	2,727	2,547	2,802	994	1,110	229	127	54	10,590
190-209 Reconstructive & other op. on middle & inner ear	13,103	13,418	7,967	5,582	6,463	587	1,089	412	48,614
210-229 Op. on nose & nasal sinuses	13,772	14,306	9,435	4,984	6,903	650	1,163	289	51,509
230-249 Operations on teeth, gums & alveoli	9,460	8,297	7,811	4,305	4,055	901	786	630	36,245
250-269 Op. on tongue, salivary glands & ducts	1,682	1,165	877	409	417	75	77	28	4,730
270-279 Other operations on mouth & face	2,911	2,410	2,001	1,029	1,034	187	186	93	9,851
280-299 Op. on tonsils, adenoids & pharynx	7,367	8,334	5,176	2,572	3,127	388	527	141	27,632
300-319 Op. on larynx & trachea	3,763	2,928	2,436	797	1,110	192	165	66	11,457
320-339 Op. on lung & bronchus	7,513	6,248	4,659	1,693	2,234	660	326	165	23,498
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	7,443	5,629	4,420	2,256	2,311	514	428	185	23,186
350-359 Op. on valves & septa of heart	1,715	1,596	1,056	303	295	125	0	0	5,090
360-369 Op. on vessels of heart	11,682	7,623	4,045	2,996	2,624	1,334	0	0	30,304
370-379 Other op. on heart & pericardium	21,340	15,898	7,282	6,496	6,392	1,325	1,648	6	60,387
380-389 Incision, excision & occlusion of vessels	16,621	18,297	14,404	3,881	6,491	1,062	739	271	61,766
390-399 Other op. on vessels	120,605	114,963	63,768	36,051	33,172	8,994	10,359	15,002	402,914
400-419 Op. on the haemic & lymphatic system	8,938	6,921	4,836	2,749	2,071	638	720	122	26,995
420-429 Op. on oesophagus	6,354	4,477	3,135	1,302	1,443	652	331	56	17,750
430-449 Op. on stomach	9,476	4,349	2,919	1,152	1,505	299	272	172	20,144
450-459 Incision, excision & anastomosis of intestine	82,900	60,760	37,300	26,692	21,452	5,228	4,593	1,899	240,824
460-469 Other op. on intestine	2,924	2,142	1,650	834	800	212	162	52	8,776
470-479 Op. on appendix	7,305	5,587	3,348	2,229	1,400	445	425	199	20,938
480-499 Op. on rectum, rectosigmoid, perirectal tissue & anus	15,408	9,323	5,437	3,630	3,663	635	472	253	38,821
500-529 Op. on liver, gallbladder, biliary tract & pancreas	20,055	14,040	8,500	4,987	5,151	1,262	1,164	319	55,478
530-539 Repair of hernia	11,889	9,899	6,573	3,433	3,444	628	579	282	36,727
540-549 Other op. on abdominal region	28,303	23,949	14,700	8,949	7,815	1,591	1,411	1,000	87,718
550-559 Op. on kidney	3,612	2,549	1,288	707	1,014	182	217	134	9,703
560-599 Op. on the urinary bladder & other urinary tract	40,540	23,548	15,868	10,473	14,037	2,920	1,222	611	109,219

(continued)

Table 8.19 (continued): Principal and additional procedures in ICD-9-CM groupings, public hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
600-609 Op. on prostate & seminal vesicles	4,798	4,750	1,657	996	1,483	409	360	55	14,508
610-629 Op. on scrotum, tunica vaginalis & testes	3,493	2,859	1,854	1,079	917	300	221	104	10,827
630-639 Op. on spermatic cord, epididymis & vas deferens	4,311	3,877	1,334	1,534	1,542	200	69	75	12,942
640-649 Op. on penis	4,714	3,830	1,309	1,347	1,329	238	110	283	13,160
650-669 Op. on ovary & fallopian tubes	16,086	15,354	7,598	6,365	5,057	1,110	821	729	53,120
670-676 Op. on cervix	12,139	11,403	10,973	2,297	5,662	493	630	558	44,155
680-689 Other incision & excision of uterus	19,785	18,381	9,413	5,014	6,095	1,103	906	564	61,261
690-699 Other op. on uterus & supporting structures	34,628	35,088	13,401	10,298	13,034	1,781	1,719	1,859	111,808
700-719 Op. on vagina, cul-de-sac, vulva & perineum	8,152	7,045	4,245	2,859	2,776	535	296	194	26,102
720-729 Forceps, vacuum & breech delivery	8,095	6,288	3,002	2,287	1,869	566	456	185	22,748
730-739 Other procedures inducing or assisting delivery	44,803	28,453	27,307	10,121	13,400	2,611	2,143	1,210	130,048
740-749 Caesarean section & removal of foetus	11,694	8,474	6,245	3,149	3,022	699	616	520	34,419
750-759 Other obstetric operations	26,968	19,680	21,794	7,392	13,101	1,604	1,217	662	92,418
760-769 Op. on facial bones & joints	2,159	1,587	1,666	799	983	184	235	190	7,803
770-789 Op. on bones, except facial bone	13,199	11,004	7,331	3,509	3,629	922	838	435	40,867
790-799 Reduction of fracture & dislocation	25,266	16,039	13,167	7,045	5,717	1,354	1,376	964	70,928
800-809 Incision & excision of joint structures	14,755	16,969	9,524	5,733	7,724	1,196	1,112	661	57,674
810-819 Repair & plastic op. on joint structures	13,172	11,111	6,895	5,577	4,994	1,016	1,105	485	44,355
820-839 Op. on muscle, tendon, fascia & bursa	10,811	9,134	6,114	3,832	3,319	741	564	387	34,902
840-849 Other procedures on musculoskeletal system	2,667	1,836	1,471	887	760	226	131	137	8,115
850-859 Op. on the breast	7,827	7,082	3,845	2,251	1,847	480	390	238	23,960
860-869 Op. on skin & subcutaneous tissue	49,437	37,333	39,859	17,369	15,705	3,258	2,103	2,466	167,530
870-889 Diagnostic radiology & related techniques	121,071	81,460	57,641	32,838	26,952	8,745	6,039	1,760	336,506
890-919 Interview, evaluation, consultation & other examination	13,369	7,789	5,533	5,388	1,660	767	56	143	34,705
920-929 Diagnostic & therapeutic intervention	65,830	67,752	26,254	14,087	8,868	3,515	3,432	1,439	191,177
930-939 Physical & respiratory therapy, rehabilitation & related	206,891	233,970	144,071	46,666	39,137	20,639	7,324	4,777	703,475
940-949 Procedures related to the psyche	64,023	57,878	31,614	19,853	11,793	2,451	3,067	1,636	192,315
950-954 Ophthalmologic & otologic diagnosis & treatment	1,179	380	1,005	280	551	7	7	27	3,436
960-967 Nonoperative intubation & irrigation	20,380	19,663	18,723	6,622	8,041	1,756	813	785	76,783
970-978 Replacement & removal of therapeutic appliances	6,821	4,815	3,666	2,090	1,368	381	231	126	19,498
980-985 Nonoperative removal of foreign body or calculus	2,466	1,359	1,274	849	583	64	62	78	6,735
990-999 Other nonoperative procedures	137,909	101,168	69,638	49,438	37,948	11,169	6,743	1,315	415,328
Total	1,532,551	1,305,752	840,542	444,653	414,731	105,712	77,351	49,212	4,770,504

Note: Abbreviation: op. -operation.

Table 8.20: Principal and additional procedures in ICD-9-CM groupings, private hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
010-029 Op. on skull, brain & cerebral meninges	539	653	707	71	158	n.p.	n.p.	n.a.	2,261
030-039 Op. on spinal cord & spinal canal structures	11,383	10,833	7,581	4,909	4,673	n.p.	n.p.	n.a.	41,211
040-059 Op. on cranial, peripheral, sympathetic nerves, ganglia	7,820	6,505	4,190	2,922	3,003	n.p.	n.p.	n.a.	25,903
060-079 Op. on thyroid, parathyroid & other endocrine glands	1,231	958	806	248	332	n.p.	n.p.	n.a.	3,804
080-129, 140-169 Op. on the eye (excluding lens)	17,307	10,236	10,395	3,604	2,612	n.p.	n.p.	n.a.	45,959
130-139 Op. on lens	49,015	28,680	33,264	9,191	7,504	n.p.	n.p.	n.a.	132,217
180-189 Op. on external ear	3,986	2,272	2,620	787	1,189	n.p.	n.p.	n.a.	11,398
190-209 Reconstructive & other op. on middle & inner ear	13,042	12,400	8,152	3,096	6,013	n.p.	n.p.	n.a.	44,694
210-229 Op. on nose & nasal sinuses	24,352	14,364	15,200	4,445	9,718	n.p.	n.p.	n.a.	70,889
230-249 Operations on teeth, gums & alveoli	17,325	18,439	12,206	7,597	6,300	n.p.	n.p.	n.a.	64,651
250-269 Op. on tongue, salivary glands & ducts	960	676	542	239	268	n.p.	n.p.	n.a.	2,807
270-279 Other operations on mouth & face	2,486	1,675	1,755	457	800	n.p.	n.p.	n.a.	7,481
280-299 Op. on tonsils, adenoids & pharynx	6,816	5,200	5,278	1,925	2,199	n.p.	n.p.	n.a.	22,367
300-319 Op. on larynx & trachea	1,487	1,252	1,054	292	495	n.p.	n.p.	n.a.	4,794
320-339 Op. on lung & bronchus	1,203	1,702	2,293	444	613	n.p.	n.p.	n.a.	6,591
340-349 Op. on chest wall, pleura, mediastinum & diaphragm	1,319	1,618	1,632	394	595	n.p.	n.p.	n.a.	5,832
350-359 Op. on valves & septa of heart	582	622	455	16	148	n.p.	n.p.	n.a.	1,823
360-369 Op. on vessels of heart	6,620	6,515	3,830	132	1,648	n.p.	n.p.	n.a.	18,768
370-379 Other op. on heart & pericardium	10,710	9,869	7,161	1,389	3,150	n.p.	n.p.	n.a.	32,803
380-389 Incision, excision & occlusion of vessels	6,995	7,646	4,749	1,591	2,322	n.p.	n.p.	n.a.	24,505
390-399 Other op. on vessels	15,960	24,581	11,621	632	8,619	n.p.	n.p.	n.a.	61,715
400-419 Op. on the haemic & lymphatic system	2,850	2,879	3,273	818	931	n.p.	n.p.	n.a.	11,341
420-429 Op. on oesophagus	2,668	2,551	2,615	341	962	n.p.	n.p.	n.a.	9,719
430-449 Op. on stomach	10,438	5,377	4,568	440	642	n.p.	n.p.	n.a.	21,772
450-459 Incision, excision & anastomosis of intestine	115,273	82,001	65,016	19,160	18,960	n.p.	n.p.	n.a.	308,650
460-469 Other op. on intestine	886	1,017	916	220	389	n.p.	n.p.	n.a.	3,649
470-479 Op. on appendix	1,598	1,751	1,707	588	608	n.p.	n.p.	n.a.	6,629
480-499 Op. on rectum, rectosigmoid, perirectal tissue & anus	13,852	6,488	5,233	2,111	2,339	n.p.	n.p.	n.a.	31,082
500-529 Op. on liver, gallbladder, biliary tract & pancreas	7,630	6,304	5,524	1,704	2,385	n.p.	n.p.	n.a.	24,560
530-539 Repair of hernia	10,259	7,330	6,307	2,093	2,427	n.p.	n.p.	n.a.	29,872
540-549 Other op. on abdominal region	16,026	12,694	12,704	3,653	4,473	n.p.	n.p.	n.a.	52,056
550-559 Op. on kidney	689	887	506	304	212	n.p.	n.p.	n.a.	2,819
560-599 Op. on the urinary bladder & other urinary tract	33,025	21,238	16,014	6,603	10,791	n.p.	n.p.	n.a.	92,722

(continued)

Table 8.20 (continued): Principal and additional procedures in ICD-9-CM groupings, private hospitals, States and Territories, 1996-97

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total ^(a)
600-609 Op. on prostate & seminal vesicles	4,799	4,639	2,615	1,044	1,045	n.p.	n.p.	n.a.	15,352
610-629 Op. on scrotum, tunica vaginalis & testes	1,593	1,167	863	398	416	n.p.	n.p.	n.a.	4,820
630-639 Op. on spermatic cord, epididymis & vas deferens	4,966	3,074	1,773	869	991	n.p.	n.p.	n.a.	12,384
640-649 Op. on penis	2,275	1,595	1,113	559	359	n.p.	n.p.	n.a.	6,280
650-669 Op. on ovary & fallopian tubes	10,321	8,313	6,629	2,594	2,833	n.p.	n.p.	n.a.	32,714
670-676 Op. on cervix	8,111	4,553	3,074	1,098	981	n.p.	n.p.	n.a.	19,186
680-689 Other incision & excision of uterus	17,278	14,256	9,815	3,736	4,487	n.p.	n.p.	n.a.	52,438
690-699 Other op. on uterus & supporting structures	40,361	21,951	13,144	8,663	4,605	n.p.	n.p.	n.a.	92,574
700-719 Op. on vagina, cul-de-sac, vulva & perineum	6,970	4,701	4,198	1,965	2,069	n.p.	n.p.	n.a.	20,864
720-729 Forceps, vacuum & breech delivery	3,046	3,113	2,190	1,221	985	n.p.	n.p.	n.a.	11,118
730-739 Other procedures inducing or assisting delivery	11,322	10,445	10,185	5,424	4,339	n.p.	n.p.	n.a.	44,156
740-749 Caesarean section & removal of foetus	3,876	3,778	3,692	1,583	1,357	n.p.	n.p.	n.a.	15,196
750-759 Other obstetric operations	8,134	6,008	4,985	2,579	2,041	n.p.	n.p.	n.a.	24,895
760-769 Op. on facial bones & joints	1,246	1,486	800	260	769	n.p.	n.p.	n.a.	4,886
770-789 Op. on bones, except facial bone	13,208	12,333	5,907	4,070	5,424	n.p.	n.p.	n.a.	43,215
790-799 Reduction of fracture & dislocation	4,076	3,936	3,780	1,693	1,490	n.p.	n.p.	n.a.	15,954
800-809 Incision & excision of joint structures	44,015	35,085	18,286	11,601	18,796	n.p.	n.p.	n.a.	133,578
810-819 Repair & plastic op. on joint structures	26,724	17,684	11,585	8,346	10,153	n.p.	n.p.	n.a.	78,537
820-839 Op. on muscle, tendon, fascia & bursa	10,873	9,370	5,489	2,895	4,223	n.p.	n.p.	n.a.	34,283
840-849 Other procedures on musculoskeletal system	741	593	556	248	201	n.p.	n.p.	n.a.	2,481
850-859 Op. on the breast	9,147	7,705	5,753	2,050	2,216	n.p.	n.p.	n.a.	28,047
860-869 Op. on skin & subcutaneous tissue	37,255	26,642	24,177	7,640	11,817	n.p.	n.p.	n.a.	111,443
870-889 Diagnostic radiology & related techniques	36,682	37,924	31,864	10,239	12,092	n.p.	n.p.	n.a.	134,848
890-919 Interview, evaluation, consultation & other examination	8,112	4,478	4,290	1,359	893	n.p.	n.p.	n.a.	20,254
920-929 Diagnostic & therapeutic intervention	9,133	17,253	9,086	1,738	2,344	n.p.	n.p.	n.a.	40,545
930-939 Physical & respiratory therapy, rehabilitation & related	74,945	82,440	36,239	3,751	13,119	n.p.	n.p.	n.a.	216,202
940-949 Procedures related to the psyche	34,380	9,766	7,963	3,008	976	n.p.	n.p.	n.a.	56,307
950-954 Ophthalmologic & otologic diagnosis & treatment	72	15	180	22	8	n.p.	n.p.	n.a.	302
960-967 Nonoperative intubation & irrigation	3,258	4,149	5,791	1,419	1,850	n.p.	n.p.	n.a.	17,159
970-978 Replacement & removal of therapeutic appliances	2,271	1,755	1,725	578	786	n.p.	n.p.	n.a.	7,810
980-985 Nonoperative removal of foreign body or calculus	1,643	897	1,308	208	491	n.p.	n.p.	n.a.	4,670
990-999 Other nonoperative procedures	18,625	38,984	39,342	8,396	10,275	n.p.	n.p.	n.a.	119,343
Total	875,790	717,301	538,271	183,670	231,909	73,428	28,816	n.a.	2,649,185

Note: Abbreviation: op.-operation.

(a) Total includes Tas and ACT but not NT.

n.a. not available.

n.p. not published.