

# 10 Australian National Diagnosis Related Groups for admitted patients

## Introduction

Australian National Diagnosis Related Groups (AN-DRGs) is an Australian patient classification system which provides a means of summarising and relating the number and type of patients treated in a hospital (that is, its casemix) to the resources required by the hospital (Department of Health and Family Services and 3M Health Information Systems 1996). The classification categorises acute admitted patient episodes of care into groups with similar conditions and similar usage of hospital resources, using information in the hospital morbidity record such as the diagnoses, procedures and demographic characteristics. The classification was adapted from United States classifications to reflect Australian clinical standards and practice and was first released in 1992.

This report uses AN-DRG version 3.1, valid from July 1996, for tables using AN-DRG based data in Chapters 2, 4, 5, and 10. A new version of this DRG classification system has recently been released, Australian Refined Diagnosis Related Groups version 4.0 (Department of Health and Aged Care, 1998) (AR-DRG v4.0). Summary information by State and Territory is provided for all AN-DRGs (version 3.1) and AR-DRGs (version 4.0) on the Internet at <http://www.aihw.gov.au/publications/health/ahs97-8.html> (Tables S10.1–S10.34).

The AN-DRG classification is based on a description of body systems, a separation of medical and surgical procedures, and a hierarchy of procedures, medical problems and other factors that differentiate processes of care. The classification is partly hierarchical, with 23 Major Diagnostic Categories (MDCs) into which the 667 AN-DRGs can be grouped.

The MDCs are mostly defined by body system or disease type, and correspond with particular medical specialities (Department of Health and Family Services 1997). In general, episodes are assigned to MDCs on the basis of the principal diagnosis (coded using ICD-9-CM disease codes). Some episodes involving procedures that are particularly resource intensive can also be assigned to the Pre-MDC category (AN-DRGs 001–010), irrespective of the MDC assigned on the basis of principal diagnosis. Records for these episodes have been categorised separately in tables and figures based on MDCs in this chapter. Episodes with Edit-DRGs (AN-DRGs 950–956, see Glossary) have been similarly categorised separately, even if they were assigned to an MDC.

Episodes are assigned to AN-DRGs within MDCs, primarily on the basis of the ICD-9-CM procedure codes (in the surgical partition) or the diagnosis codes (in the medical partition). For the assignment of AN-DRGs, the principal procedure is defined as the one with the highest resource intensity. This definition differs from the definition of principal procedure in the *National Health Data Dictionary* and used in Chapter 8. When more than one AN-DRG is associated with a cluster of closely-related procedures or diagnoses, other variables, such as the patient's age, the presence of complications or comorbidities, and the mode of

separation, are used for AN-DRG assignment (Department of Health and Family Services 1997).

The data were regrouped by the Institute, in consultation with the States and Territories and the AN-DRGs that resulted from this regrouping are reported here.

The information in this chapter is presented using both levels of the AN-DRG classification:

- MDCs—these 23 groups are used to provide information aggregated at a high level (Figures 10.1 and 10.2, Tables 10.1 to 10.6);
- AN-DRGs—detailed information is presented for the 30 of the 667 AN-DRGs with the highest number of separations (Tables 10.7 to 10.14).

In addition, Table 10.15 presents summary statistics for the 30 AN-DRGs with the highest number of separations for public psychiatric hospitals.

All tables in this chapter include separations for which the type of episode of care was reported as acute or was not reported. That is, separations for episode of care types rehabilitation, palliative care, non-acute care, other care and unqualified neonates are excluded where they were able to be identified (see Table 5.11). Of the separations for which the type of episode of care was reported, 97.1% were reported as acute (96.9%, 3,595,799 of 3,709,450 in the public sector and 97.6%, 1,682,999 of 1,725,331 in the private sector). For public psychiatric hospitals 82% of separations for which the type of episode of care was reported were acute.

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 average length of stay figures were calculated using all separations for which lengths of stay were provided. That is, the data were not trimmed of separations with unusually long or short lengths of stay.

Some data for private hospitals in Tasmania and the Australian Capital Territory have not been included in Tables 10.10 and 10.12. These data were supplied but are not published, for confidentiality reasons.

## Cost weights and costs by volume

For each version 3.1 AN-DRG, cost weights were estimated for 1997–98 for the public and private sectors by the Department of Health and Aged Care, through the National Hospital Cost Data Collection (unpublished). Cost weights were also estimated for each version 4.0 AR-DRG for 1997–98 in this study. The cost weights represent the costliness of an AN-DRG relative to all other AN-DRGs, such that the average cost weight for all separations is 1.00. The data collection also provided estimates of average costs for each separation for an AN-DRG with a cost weight of 1.00: \$2,422 in the public sector and \$1,932 in the private sector. Separate cost weights were estimated for the public and private sectors because of the differences in the range of costs recorded in public and private hospitals.

The *Cost by volume* figures in this chapter were derived for each AN-DRG by multiplying the estimated average cost for the AN-DRG by the number of separations for the AN-DRG. For MDCs, the cost estimates for all the AN-DRGs within the MDC were then summed to produce an estimated cost for the MDC.

The *Cost by volume* figures in this chapter are estimates only, intended for use as a guide to the approximate relative costs of hospital services during 1997–98. They should be used with caution in any comparisons of the States and Territories or the public and private

sectors. They are not derived from, or comparable with the expenditure and cost per casemix-adjusted separation information presented in Chapters 2 and 3.

Information based on the average cost weights of 1997–98 separations is included in Chapters 2, 4 and 5. Appendix 8 includes further information on the National Hospital Cost Data Collection and its results for AN-DRG version 3.1 for 1997–98.

## Major Diagnostic Categories

Figures 10.1 and 10.2 provide a summary of the numbers of separations and patient days reported for each of the MDCs by sector.

The MDC with the highest number of separations in the public sector was *Kidney and urinary tract* (MDC 11), followed by *Digestive system* (MDC 06). In the private sector, *Digestive system* had the largest number of separations, followed by *Musculoskeletal system and connective tissue*. For the public sector the highest numbers of patient days were reported for the *Circulatory system* (MDC 05) and *Mental diseases and disorders* (MDC 19) MDCs. The *Musculoskeletal system and connective tissue* and *Digestive system* MDCs accounted for the highest numbers of patient days in the private sector. For the public and private sectors combined, the two MDCs with the most separations were *Digestive system* and *Kidney and urinary tract*. The largest numbers of patient days were reported for the *Musculoskeletal system and connective tissue* and *Circulatory system* MDCs.

The average lengths of stay varied by MDC and hospital sector (Tables 10.1 and 10.2). In the public sector, they ranged from 28 days for the *Pre-MDC* group to 1.6 days for *Kidney and urinary tract* and *Eye diseases and disorders* (MDC 02). In the private sector, the longest average length of stay was 30 days for the *Pre-MDC* group, and the shortest was 1.2 days, for *Eye diseases and disorders*.

Notable differences between hospital sectors were for *Pregnancy, childbirth and puerperium* (MDC 14), where the average length of stay was higher for private hospitals (4.2 days) than public hospitals (3.1 days), *Newborns and other neonates* (MDC 15), where the average length of stay was higher in public hospitals (8.3 days) than private hospitals (6.3 days), *Mental diseases and disorders* (MDC 19), where the average length of stay was higher for public hospitals (11.6 days) than private hospitals (6.4 days), *Infectious and parasitic diseases* (MDC 18), where the average length of stay was higher for private hospitals (6.1 days) than public hospitals (4.8 days), and *Alcohol/drug use and disorders* (MDC 20), where the average length of stay was higher for private hospitals (6.9 days) than public hospitals (4.7 days). A variety of factors could be responsible for such discrepancies, for example different patient populations (and numbers of separations for AN-DRGs within the MDCs), patterns of service provision, facilities available, treatment regimes and reporting practices.

The cost by volume data for MDCs in Tables 10.1 and 10.2 show that the costliest MDC in the public sector was estimated to be *Circulatory system*. In the private sector it was *Musculoskeletal system and connective tissue*.

## States and Territories

Tables 10.3 to 10.6 contain detail on the number of separations and patient days by MDC in the States and Territories. These tables enable State by State comparisons of overall hospital use for the different MDCs, and the share of separations between the private and public sectors. For example, the proportion of total separations for *Respiratory system* (MDC 04) in private hospitals (rather than public hospitals) was higher in Tasmania (32%, 1991) than in

the other jurisdictions, for example, Queensland (27%, 15,528) and New South Wales (13%, 13,785). The proportion of total patient days for *Pregnancy, childbirth and the puerperium* that was in private hospitals (rather than public hospitals) was 30% overall (444,960), but ranged from 26% in South Australia (29,848) and 27% in New South Wales (135,551) to 40% in Tasmania (15,574).

The distributions of separations and patient days by MDC within the States and Territories were broadly consistent with those at the national level. Notable exceptions in the public sector included *Neoplastic disorders* (MDC 17) in the Northern Territory (0.4% of separations, 192, compared with a national average of 4.6%, 167,765) and *Kidney and urinary tract* in the Australian Capital Territory (21.2%, 12,133, compared with 13.6%, 495,962). In the private sector, South Australia and Western Australia reported fewer separations for *Digestive system* (MDC 06) (14.32% of separations, 20,922, and 15.3% of separations, 24,334, compared with 18.9%, 330,718, nationally).

## Australian National Diagnosis Related Groups

Tables 10.7 to 10.14 present information on the most commonly reported AN-DRGs. Tables 10.7 and 10.8 contain summary separation, patient day and average length of stay statistics for the 30 AN-DRGs with the most separations in public and private hospitals.

In the public sector in 1997–98 *Admit for renal dialysis* (AN-DRG 572) was the most common AN-DRG, accounting for 10.2% (372,965) of total separations (Table 10.7). Other leading AN-DRGs included *Chemotherapy* (AN-DRG 780) with 3.7% (133,062), and *Vaginal delivery without complicating diagnosis* (AN-DRG 674) with 3.0% (109,246) of total public sector separations. The corresponding top three AN-DRGs in the private sector were *Other gastroscopy for non-major digestive disease without complications and comorbidities* (AN-DRG 332) with 6% (107,914) of total separations, *Other colonoscopy without complications and comorbidities* (AN-DRG 335) with 5.4% (95,483), and *Lens procedures without vitrectomy and without complications and comorbidities* (AN-DRG 099) with 3.8% (66,183) (Table 10.8).

Of the 10 AN-DRGs with the most separations for the public sector, only three were not included in the top 30 for the private sector, namely *Bronchitis and asthma age <50 without complications and comorbidities* (AN-DRG 187), *Other antenatal admission with moderate or no complicating disorder* (AN-DRG 686), and *Chronic obstructive airways disease* (AN-DRG 177). On the other hand, only one of the leading 10 AN-DRGs in the private sector, *Knee procedures* (AN-DRG 421), was missing from the top 30 for the public sector.

Among the 30 AN-DRGs with the most separations for the public sector, there were seven which were among the top 10 in terms of the most patient days. Similarly, for the private sector, there were five AN-DRGs among the 30 AN-DRGs with the most separations that were also in the top 10 AN-DRGs in terms of patient days. Within the top 30, average lengths of stay ranged from 24 days for *Schizophrenia disorders* (AN-DRG 841) in the public sector to 1 day for seven different AN-DRGs in the private sector.

The highest costs in public hospitals were estimated to be for *Vaginal delivery without complicating diagnosis* (AN-DRG 674) followed by *Admit for renal dialysis* (AN-DRG 572). In the private sector, the costliest AN-DRGs in the top 30 were estimated to be *Lens procedures without vitrectomy and without complications and comorbidities* (AN-DRG 099) and *Other gastroscopy for non-major digestive disease without complications and comorbidities* (AN-DRG 332).

## States and Territories

There was some variation between the States and Territories in the relative number of separations for the most common AN-DRGs (Tables 10.9 and 10.10). For example, in the public sector in the Northern Territory and the Australian Capital Territory, *Admit for renal dialysis* (AN-DRG 572) accounted for a markedly greater proportion of separations than the national average (33.3%, 17,241, and 18.9%, 10,812, respectively, compared with 10.2%).

In the private sector, examples of differences include separations in the Australian Capital Territory, *Other gastroscopy for non-major digestive disease without complications and comorbidities* (AN-DRG 332) which accounted for a lower proportion of total separations than the national average (0.7%, 127, compared with 6%, 107,914), and *Other colonoscopy without complications and comorbidities* (AN-DRG 335) (1.0%, 168, compared with 5.4%, 95,483). In South Australia, *Myringotomy with tube insertion* (AN-DRG 124) accounted for 1.3% of separations (1,926), compared with the national average of 0.8%.

The average lengths of stay were mainly similar among the States and Territories (Tables 10.11 and 10.12). However, there was some variation. In the public sector, *Other factors influencing health status age <80 without complications and comorbidities* (AN-DRG 943) (15.7 days in the Australian Capital Territory to 1.7 days in Western Australia) and *Chronic obstructive airways disease* (AN-DRG 177) (6.1 days in Victoria to 8.8 days in the Australian Capital Territory). In the private sector, variation in lengths of stay was evident for AN-DRGs such as *Major affective disorders* (AN-DRG 843) and *Other skin graft and/or debridement procedures* (AN-DRG 505).

## Age group and sex

Tables 10.13 and 10.14 summarise separations by age group and sex for the 30 leading AN-DRGs. Fourteen of the top 30 AN-DRGs were common to both sexes, while some others were more sex-specific (for example, *Vaginal delivery without complicating diagnosis* (AN-DRG 674)). *Admit for renal dialysis* (AN-DRG 572) was the most commonly reported AN-DRG for both sexes, with the most separations in the 65 to 74 years age group.

The age distributions varied by AN-DRG. For example, *Tonsillectomy &/or adenoidectomy* (AN-DRG 122) was most commonly reported for males and females in the 5 to 14 years age group. *Knee procedures* (AN-DRG 421) was most commonly reported for males in the 25 to 34 years age group and for females in the 45 to 54 years age group, and 62% of separations (24,436) for *Heart failure and shock* (AN-DRG 252) were for persons over the age of 75 years.

## Additional data

The accompanying tables on the Internet at <http://www.aihw.gov.au/publications/health/ahs97-8.html> provide national and State and Territory summary statistics for public and private hospitals for each AN-DRG (version 3.1) and AR-DRG (version 4.0) (as presented for the top 30 AN-DRGs in Tables 10.7 and 10.8). For confidentiality, data for some AN-DRGs in the private sector have been suppressed. The information was suppressed if there were fewer than 50 private hospital separations reported for the AN-DRG and fewer than three reporting units (hospitals, or States or Territories 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 AN-DRG.

## Public psychiatric hospitals

Information on AN-DRGs for patients of public psychiatric hospitals was supplied by all States and Territories. Most of these 16,752 separations had AN-DRGs reported that were within the *Mental diseases and disorders* and *Alcohol/drug use and disorders* MDCs (AN-DRGs 841–848 and 860–863, respectively) (Table 10.15). *Schizophrenia disorders* (AN-DRG 841) accounted for the most separations and the most patient days. *Major affective disorders* (AN-DRG 843) ranked second for separations and *Dementia and global disturbances of cerebral function* (AN-DRG 056) for patient days.

The average length of stay was long for most of these AN-DRGs and only 5% (893) of separations were same day separations, compared with 43% in public hospitals overall. The average length of stay for *Schizophrenia disorders* (AN-DRG 841) in public psychiatric hospitals (64.7 days) was markedly more than that in public hospitals overall (Table 10.7: 24.1 days). Similarly, the average length of stay for *Major affective disorders* (AN-DRG 843) (26.3 days) was longer than in public hospitals overall (12.1 days) and in private hospitals (Table 10.8: 7.6 days).

Separations in public psychiatric hospitals include some with very long lengths of stay, up to several years. Hence the average lengths of stay should be interpreted taking into consideration the inclusion of some very long stay separations. The median lengths of stay were markedly shorter than the average lengths of stay for *Schizophrenia disorders* (AN-DRG 841) (15 days) and *Major affective disorders* (AN-DRG 843) (17 days) and for *Dementia and global disturbances of cerebral function* (AN-DRG 056) (29 days, compared with the average length of stay of 113 days). (By definition, half the separations have a shorter length of stay and half have a longer length of stay than the median.)

## Edit DRGs

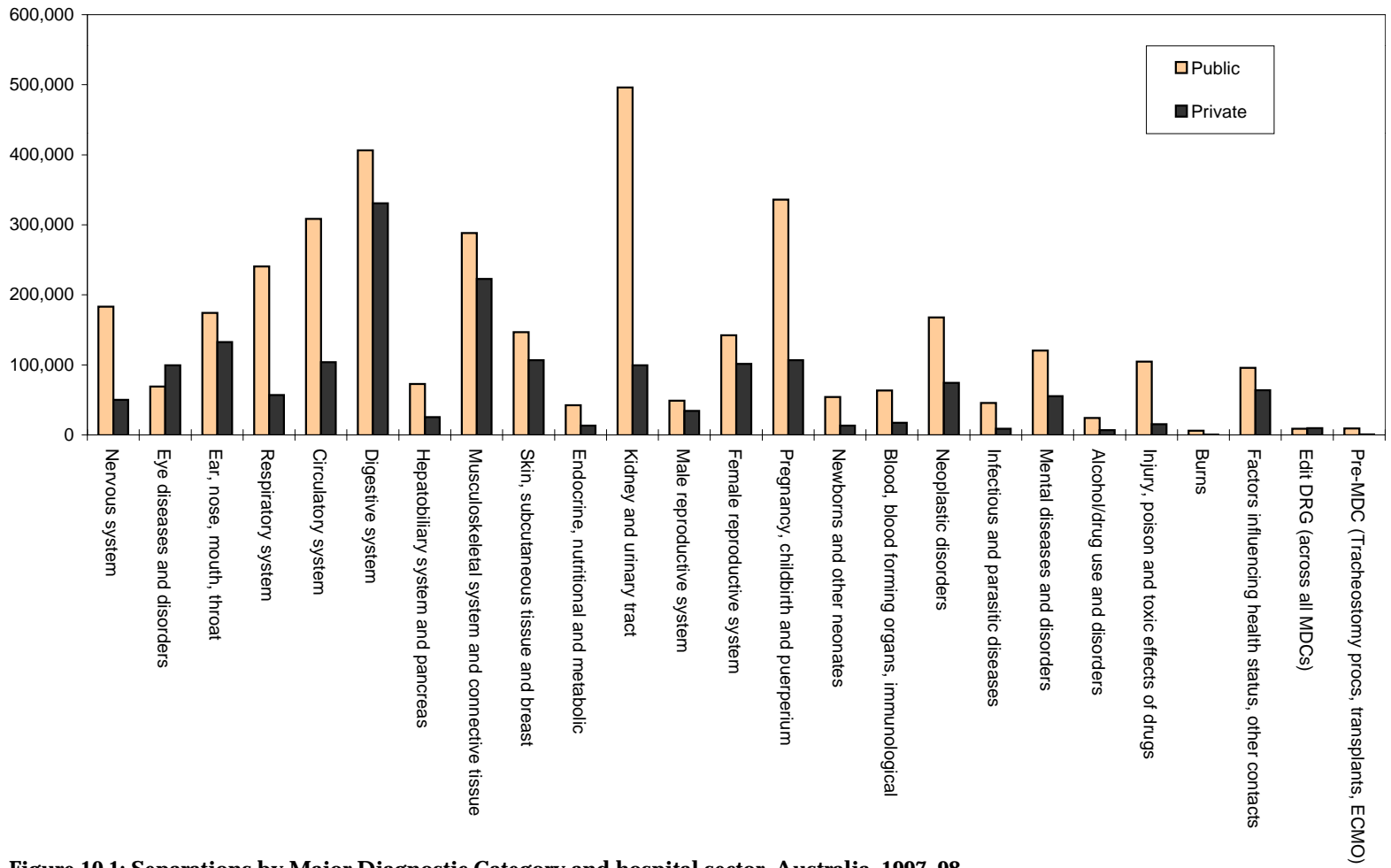
Edit DRGs are the groups to which records containing clinically inconsistent or invalid information are assigned. Group 1 Edit DRGs, 950, 953 and 954, are used when all the operating room procedures are unrelated to the MDC of the patient's principal diagnosis. Group 2 Edit DRGs, 951, 955, 956, are used when a principal diagnosis is coded which will not allow the patient to be assigned to a clinically coherent DRG. Group 3 Edit DRG, 952, is used when the principal diagnosis is invalid, or when other necessary information is incorrect or missing (Department of Health and Family Services 1997).

Table 10.16 provides information on Group 1 Edit DRGs for the 10 principal procedures with the highest number of separations, by hospital sector and State and Territory. Table 10.17 provides information on Group 2 Edit DRGs, for the 10 principal diagnoses with the highest number of separations, by hospital sector and State and Territory. A higher number of separations were assigned to Edit DRGs for private hospitals (52%, 7,782 for Group 1 and 72%, 1,242 for Group 2) than for public hospitals (48%, 7,181 for Group 1 and 28%, 473 for Group 2). Variation in the assignment of separations to Edit DRGs is evident between the States and Territories. The assignment of Group 1 Edit DRGs in public hospitals ranged from 70 separations (0.13% of separations) in the Northern Territory to 2,332 (0.25% of all separations) in Victoria. In private hospitals, the assignment of Group 1 Edit DRGs ranged from 48 (0.27% of separations) in the Australian Capital Territory to 2,602 (0.48% of separations) in New South Wales. A similar pattern is evident for Group 2 Edit DRGs in private hospitals with three separations (0.02% of all separations) in the Australian Capital Territory and 792 (0.16% of all separations) in Victoria. In public hospitals the assignment of

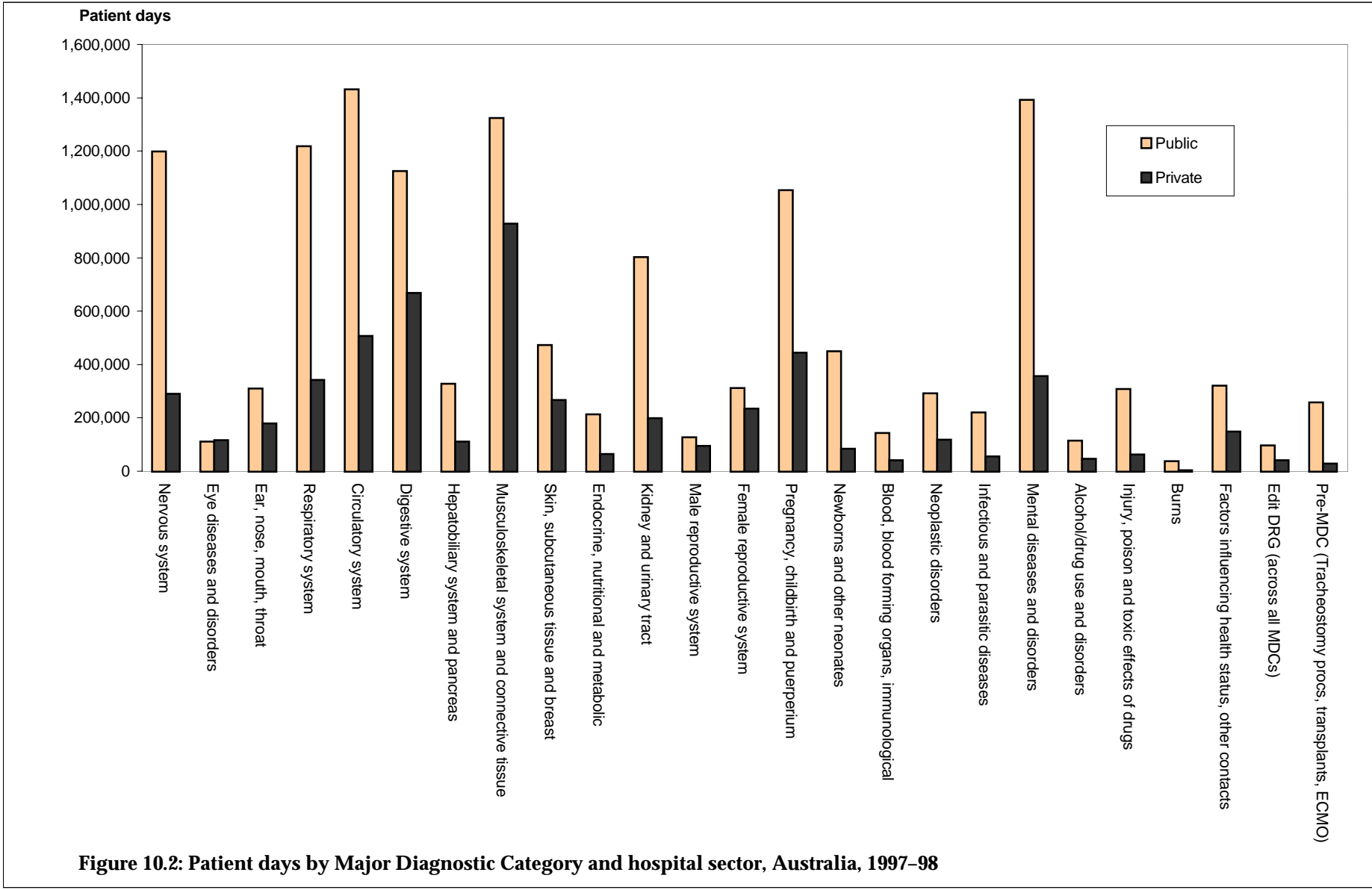
Group 2 Edit DRGs ranged from 4 separations (0.01% of separations) in the Australian Capital Territory to 205 separations (0.02% of separations) in New South Wales.

Figure 10.3 shows Edit DRGs as a percentage of all separations, by State and Territory. Group 3 Edit DRGs accounted for the lowest proportion of separations assigned to Edit DRGs, while Group 1 Edit DRGs accounted for the highest proportion. Compared with the 1995–96 data published in the *Australian Casemix Report on Hospital Activity* (Department of Health and Family Services 1997), the proportion of hospital episodes assigned to Edit DRGs has decreased.

**Separations**



**Figure 10.1: Separations by Major Diagnostic Category and hospital sector, Australia, 1997-98**



**Table 10.1: Separation, same day separation, patient day, average length of stay and cost statistics by Major Diagnostic Category, public hospitals<sup>(a)</sup>, Australia, 1997–98**

Major Diagnostic Category	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	Cost by volume (\$'000)
01 Nervous system	183,343	50,792	27.7	9.8	1,198,714	64.4	6.5	8.7	615,799
02 Eye diseases and disorders	69,294	44,153	63.7	3.7	110,275	5.9	1.6	2.6	130,727
03 Ear, nose, mouth, throat	174,061	73,567	42.3	9.3	310,673	16.7	1.8	2.4	257,713
04 Respiratory system	240,621	31,118	12.9	12.9	1,218,736	65.4	5.1	5.7	683,977
05 Circulatory system	308,450	59,462	19.3	16.6	1,432,227	76.9	4.6	5.5	1,129,699
06 Digestive system	406,414	190,236	46.8	21.8	1,125,655	60.4	2.8	4.3	791,455
07 Hepatobiliary system and pancreas	72,901	12,266	16.8	3.9	327,891	17.6	4.5	5.2	248,051
08 Musculoskeletal system and connective tissue	288,386	91,777	31.8	15.5	1,324,235	71.1	4.6	6.3	969,782
09 Skin, subcutaneous tissue and breast	146,834	72,913	49.7	7.9	472,976	25.4	3.2	5.4	308,455
10 Endocrine, nutritional and metabolic	42,378	8,745	20.6	2.3	212,371	11.4	5.0	6.1	131,623
11 Kidney and urinary tract	495,962	416,892	84.1	26.6	803,407	43.1	1.6	4.9	467,688
12 Male reproductive system	48,910	24,686	50.5	2.6	126,436	6.8	2.6	4.2	96,400
13 Female reproductive system	142,340	86,304	60.6	7.6	311,225	16.7	2.2	4.0	260,776
14 Pregnancy, childbirth and puerperium	336,086	73,634	21.9	18.0	1,054,020	56.6	3.1	3.7	706,489
15 Newborns and other neonates	54,175	6,354	11.7	2.9	449,520	24.1	8.3	9.3	278,540
16 Blood, blood forming organs, immunological	63,556	41,196	64.8	3.4	143,440	7.7	2.3	4.6	92,580
17 Neoplastic disorders	167,765	150,341	89.6	9.0	291,203	15.6	1.7	8.1	190,727
18 Infectious and parasitic diseases	45,532	8,200	18.0	2.4	220,688	11.9	4.8	5.7	139,488
19 Mental diseases and disorders	120,315	32,232	26.8	6.5	1,391,271	74.7	11.6	15.4	446,657
20 Alcohol/drug use and disorders	24,459	4,601	18.8	1.3	113,814	6.1	4.7	5.5	44,728
21 Injury, poison and toxic effects of drugs	104,822	36,604	34.9	5.6	308,102	16.5	2.9	4.0	231,558
22 Burns	5,963	1,320	22.1	0.3	37,033	2.0	6.2	7.7	31,653
23 Factors influencing health status, other contacts	95,740	65,570	68.5	5.1	321,608	17.3	3.4	8.5	136,065
ED Edit DRG (across all MDCs)	8,975	2,463	27.4	0.5	97,606	5.2	10.9	14.6	52,964
PR Pre-MDC (Tracheostomy procs, transplants, ECMO)	9,165	245	2.7	0.5	257,547	13.8	28.1	28.8	405,540
<b>Total</b>	<b>3,656,447</b>	<b>1,585,671</b>	<b>43.4</b>	<b>196.3</b>	<b>13,660,673</b>	<b>733.5</b>	<b>3.7</b>	<b>5.8</b>	<b>8,849,132</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Abbreviations: ALOS—Average length of stay, MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, procs—procedures, ECMO—extracorporeal membrane oxygenation.

**Table 10.2: Separation, same day separation, patient day, average length of stay and cost statistics by Major Diagnostic Category, private hospitals<sup>(a)</sup>, Australia, 1997–98**

Major Diagnostic Category	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	Cost by volume (\$'000)
01 Nervous system	50,183	16,036	32.0	2.7	289,646	15.7	5.8	8.0	131,580
02 Eye diseases and disorders	99,322	69,550	70.0	5.4	116,934	6.3	1.2	1.6	153,078
03 Ear, nose, mouth, throat	132,418	74,496	56.3	7.2	180,016	9.8	1.4	1.8	137,690
04 Respiratory system	57,141	6,037	10.6	3.1	342,916	18.6	6.0	6.6	138,045
05 Circulatory system	103,869	16,983	16.4	5.6	507,523	27.5	4.9	5.6	342,606
06 Digestive system	330,718	240,909	72.8	17.9	667,651	36.2	2.0	4.8	414,598
07 Hepatobiliary system and pancreas	25,525	2,280	8.9	1.4	111,923	6.1	4.4	4.7	70,263
08 Musculoskeletal system and connective tissue	222,701	79,019	35.5	12.1	928,272	50.4	4.2	5.9	646,710
09 Skin, subcutaneous tissue and breast	106,747	63,867	59.8	5.8	266,263	14.4	2.5	4.7	182,664
10 Endocrine, nutritional and metabolic	13,382	2,336	17.5	0.7	65,043	3.5	4.9	5.7	34,554
11 Kidney and urinary tract	99,647	70,447	70.7	5.4	198,825	10.8	2.0	4.4	100,081
12 Male reproductive system	34,543	16,813	48.7	1.9	95,573	5.2	2.8	4.4	57,309
13 Female reproductive system	101,670	65,185	64.1	5.5	235,105	12.8	2.3	4.7	168,830
14 Pregnancy, childbirth and puerperium	106,843	31,734	29.7	5.8	444,960	24.1	4.2	5.5	220,110
15 Newborns and other neonates	13,243	1,576	11.9	0.7	84,086	4.6	6.3	7.1	29,450
16 Blood, blood forming organs, immunological	17,255	9,978	57.8	0.9	41,453	2.2	2.4	4.3	19,921
17 Neoplastic disorders	74,210	66,642	89.8	4.0	117,840	6.4	1.6	6.8	49,951
18 Infectious and parasitic diseases	9,023	947	10.5	0.5	55,079	3.0	6.1	6.7	25,819
19 Mental diseases and disorders	55,407	35,324	63.8	3.0	357,168	19.4	6.4	16.0	101,142
20 Alcohol/drug use and disorders	6,721	2,897	43.1	0.4	46,536	2.5	6.9	11.4	14,984
21 Injury, poison and toxic effects of drugs	15,475	3,840	24.8	0.8	62,091	3.4	4.0	5.0	30,864
22 Burns	429	83	19.3	<0.1	2,894	0.2	6.7	8.1	1,824
23 Factors influencing health status, other contacts	63,702	50,643	79.5	3.5	148,897	8.1	2.3	7.5	95,171
ED Edit DRG (across all MDCs)	9,527	5,733	60.2	0.5	41,200	2.2	4.3	9.3	33,888
PR Pre-MDC (Tracheostomy procs, transplants, ECMO)	943	15	1.6	0.1	28,305	1.5	30.0	30.5	29,056
<b>Total</b>	<b>1,750,644</b>	<b>933,370</b>	<b>53.3</b>	<b>95.0</b>	<b>5,436,199</b>	<b>294.9</b>	<b>3.1</b>	<b>5.5</b>	<b>3,230,187</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Abbreviations: ALOS—Average length of stay, MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, procs—procedures, ECMO—extracorporeal membrane oxygenation.

**Table 10.3: Separations by Major Diagnostic Category, public hospitals<sup>(a)</sup>, States and Territories, 1997–98**

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Nervous system	62,300	46,940	32,467	17,910	16,460	3,699	2,184	1,383	183,343
02 Eye diseases and disorders	22,645	19,324	11,322	6,219	7,802	650	652	680	69,294
03 Ear, nose, mouth, throat	52,798	44,691	34,221	16,309	18,250	3,188	2,724	1,880	174,061
04 Respiratory system	88,394	52,402	42,676	21,756	25,382	4,144	2,535	3,332	240,621
05 Circulatory system	114,504	73,207	54,282	24,565	29,191	6,413	4,411	1,877	308,450
06 Digestive system	144,941	94,721	71,769	40,074	37,213	8,026	5,945	3,725	406,414
07 Hepatobiliary system and pancreas	27,156	17,667	12,843	5,815	6,273	1,416	1,149	582	72,901
08 Musculoskeletal system and connective tissue	97,948	69,132	53,362	26,271	27,933	6,305	4,280	3,155	288,386
09 Skin, subcutaneous tissue and breast	47,124	32,077	31,459	13,784	15,635	3,015	1,825	1,915	146,834
10 Endocrine, nutritional and metabolic	13,184	11,009	7,892	3,531	4,186	1,127	521	928	42,378
11 Kidney and urinary tract	153,306	133,405	79,670	50,112	37,133	11,767	12,133	18,436	495,962
12 Male reproductive system	17,473	13,438	6,300	4,494	4,940	1,209	623	433	48,910
13 Female reproductive system	44,651	38,854	25,263	12,751	14,673	2,654	1,915	1,579	142,340
14 Pregnancy, childbirth and puerperium	113,898	85,221	59,516	29,239	30,242	7,031	5,006	5,933	336,086
15 Newborns and other neonates	19,514	13,358	10,609	3,491	4,602	641	831	1,129	54,175
16 Blood, blood forming organs, immunological	21,070	17,691	8,862	5,916	6,722	1,866	1,101	328	63,556
17 Neoplastic disorders	51,071	46,222	28,123	17,038	15,612	5,157	4,350	192	167,765
18 Infectious and parasitic diseases	16,118	10,120	8,995	4,198	4,122	877	512	590	45,532
19 Mental diseases and disorders	38,631	27,286	22,527	14,021	12,263	3,563	1,304	720	120,315
20 Alcohol/drug use and disorders	11,021	3,628	5,232	2,593	1,390	330	89	176	24,459
21 Injury, poison and toxic effects of drugs	33,243	22,442	26,760	10,064	7,964	1,963	1,034	1,352	104,822
22 Burns	1,758	1,051	1,455	899	525	121	47	107	5,963
23 Factors influencing health status, other contacts	25,789	22,956	21,033	8,551	12,144	2,506	1,753	1,008	95,740
ED Edit DRG (across all MDCs)	2,206	3,024	1,070	1,324	723	314	84	230	8,975
PR Pre-MDC (Tracheostomy procs, transplants, ECMO)	3,072	2,440	1,582	774	846	170	167	114	9,165
<b>Total</b>	<b>1,223,815</b>	<b>902,306</b>	<b>659,290</b>	<b>341,699</b>	<b>342,226</b>	<b>78,152</b>	<b>57,175</b>	<b>51,784</b>	<b>3,656,447</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Abbreviations: MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, procs—procedures, ECMO—extracorporeal membrane oxygenation.

**Table 10.4: Separations by Major Diagnostic Category, private hospitals<sup>(a)</sup>, States and Territories, 1997–98**

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Nervous system	11,748	14,173	12,134	4,825	5,009	n.p.	n.p.	n.a.	50,183
02 Eye diseases and disorders	36,391	21,262	25,143	7,740	5,271	n.p.	n.p.	n.a.	99,322
03 Ear, nose, mouth, throat	37,466	35,142	26,162	14,047	14,412	n.p.	n.p.	n.a.	132,418
04 Respiratory system	13,785	15,982	15,528	4,302	5,181	n.p.	n.p.	n.a.	57,141
05 Circulatory system	28,396	30,156	24,229	7,983	9,501	n.p.	n.p.	n.a.	103,869
06 Digestive system	106,831	93,861	74,633	24,334	20,922	n.p.	n.p.	n.a.	330,718
07 Hepatobiliary system and pancreas	7,614	6,486	5,841	2,190	2,247	n.p.	n.p.	n.a.	25,525
08 Musculoskeletal system and connective tissue	64,874	58,541	37,877	26,456	24,804	n.p.	n.p.	n.a.	222,701
09 Skin, subcutaneous tissue and breast	34,936	25,935	23,560	8,221	10,285	n.p.	n.p.	n.a.	106,747
10 Endocrine, nutritional and metabolic	3,396	3,727	3,217	1,246	1,280	n.p.	n.p.	n.a.	13,382
11 Kidney and urinary tract	28,591	29,232	20,429	6,345	12,480	n.p.	n.p.	n.a.	99,647
12 Male reproductive system	11,688	9,758	5,950	3,013	2,210	n.p.	n.p.	n.a.	34,543
13 Female reproductive system	33,996	25,950	20,596	8,859	7,171	n.p.	n.p.	n.a.	101,670
14 Pregnancy, childbirth and puerperium	38,372	23,710	19,602	13,212	6,500	n.p.	n.p.	n.a.	106,843
15 Newborns and other neonates	4,035	3,062	2,131	1,137	662	n.p.	n.p.	n.a.	13,243
16 Blood, blood forming organs, immunological	3,907	5,071	4,987	1,351	1,243	n.p.	n.p.	n.a.	17,255
17 Neoplastic disorders	10,791	26,444	21,690	6,611	6,736	n.p.	n.p.	n.a.	74,210
18 Infectious and parasitic diseases	1,983	2,267	2,720	807	748	n.p.	n.p.	n.a.	9,023
19 Mental diseases and disorders	11,767	19,920	8,933	9,550	2,939	n.p.	n.p.	n.a.	55,407
20 Alcohol/drug use and disorders	1,240	2,923	1,627	368	340	n.p.	n.p.	n.a.	6,721
21 Injury, poison and toxic effects of drugs	3,490	4,261	3,645	1,703	1,543	n.p.	n.p.	n.a.	15,475
22 Burns	97	105	96	42	73	n.p.	n.p.	n.a.	429
23 Factors influencing health status, other contacts	22,095	15,341	16,433	3,932	4,086	n.p.	n.p.	n.a.	63,702
ED Edit DRG (across all MDCs)	2,701	3,615	1,940	627	402	n.p.	n.p.	n.a.	9,527
PR Pre-MDC (Tracheostomy procs, transplants, ECMO)	181	270	328	33	102	n.p.	n.p.	n.a.	943
<b>Total</b>	<b>520,371</b>	<b>477,194</b>	<b>379,431</b>	<b>158,934</b>	<b>146,147</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.a.</b>	<b>1,750,644</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Abbreviations: MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, procs—procedures, ECMO—extracorporeal membrane oxygenation.

n.p. not published.

n.a. not available.

**Table 10.5: Patient days by Major Diagnostic Category, public hospitals<sup>(a)</sup>, States and Territories, 1997–98**

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Nervous system	429,255	283,528	189,640	148,688	104,479	20,805	14,627	7,692	1,198,714
02 Eye diseases and disorders	39,239	26,404	18,802	10,868	11,107	1,340	1,038	1,477	110,275
03 Ear, nose, mouth, throat	103,262	71,635	56,804	29,920	34,131	5,657	5,160	4,104	310,673
04 Respiratory system	465,518	262,341	203,348	107,087	121,891	23,254	16,139	19,158	1,218,736
05 Circulatory system	557,266	320,625	245,183	115,319	130,830	32,873	20,579	9,552	1,432,227
06 Digestive system	422,125	260,645	181,084	105,089	102,837	23,130	18,383	12,362	1,125,655
07 Hepatobiliary system and pancreas	131,242	75,475	51,088	26,975	27,995	6,164	5,796	3,156	327,891
08 Musculoskeletal system and connective tissue	491,204	302,616	223,448	126,788	112,480	27,750	23,568	16,381	1,324,235
09 Skin, subcutaneous tissue and breast	172,524	103,431	86,207	43,782	43,255	8,854	5,759	9,164	472,976
10 Endocrine, nutritional and metabolic	67,637	52,194	38,902	19,162	18,965	4,608	2,606	8,297	212,371
11 Kidney and urinary tract	271,863	199,376	135,063	76,173	62,976	17,869	17,337	22,750	803,407
12 Male reproductive system	47,824	32,417	16,171	10,597	12,347	3,223	2,761	1,096	126,436
13 Female reproductive system	105,021	78,645	50,965	30,677	31,216	6,401	5,346	2,954	311,225
14 Pregnancy, childbirth and puerperium	372,661	259,174	175,666	100,791	84,915	23,304	17,222	20,287	1,054,020
15 Newborns and other neonates	153,630	117,857	79,272	35,440	38,393	5,479	9,395	10,054	449,520
16 Blood, blood forming organs, immunological	52,754	35,198	21,540	12,180	14,414	3,283	2,571	1,500	143,440
17 Neoplastic disorders	97,219	73,765	48,820	26,483	29,089	8,205	7,172	450	291,203
18 Infectious and parasitic diseases	76,941	57,234	38,058	19,363	17,542	4,890	2,745	3,915	220,688
19 Mental diseases and disorders	531,918	294,271	208,031	187,231	119,102	27,593	16,182	6,943	1,391,271
20 Alcohol/drug use and disorders	54,269	15,777	22,490	12,265	5,992	1,764	407	850	113,814
21 Injury, poison and toxic effects of drugs	104,561	61,251	69,174	31,341	23,875	6,694	5,355	5,851	308,102
22 Burns	10,634	6,688	6,984	7,270	3,430	822	349	856	37,033
23 Factors influencing health status, other contacts	77,549	71,009	56,226	18,537	43,518	15,321	35,464	3,984	321,608
ED Edit DRG (across all MDCs)	21,059	31,286	9,083	20,658	6,747	4,955	1,552	2,266	97,606
PR Pre-MDC (Tracheostomy procs, transplants, ECMO)	89,205	64,854	43,880	23,235	23,830	4,003	5,731	2,809	257,547
<b>Total</b>	<b>4,946,380</b>	<b>3,157,696</b>	<b>2,275,929</b>	<b>1,345,919</b>	<b>1,225,356</b>	<b>288,241</b>	<b>243,244</b>	<b>177,908</b>	<b>13,660,673</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Abbreviations: MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, procs—procedures, ECMO—extracorporeal membrane oxygenation.

**Table 10.6: Patient days by Major Diagnostic Category, private hospitals<sup>(a)</sup>, States and Territories, 1997–98**

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Nervous system	64,466	84,928	73,175	23,115	31,156	10,783	2,023	n.a.	289,646
02 Eye diseases and disorders	41,716	25,025	29,798	9,815	6,130	3,496	954	n.a.	116,934
03 Ear, nose, mouth, throat	49,518	47,920	35,748	19,081	20,410	5,043	2,296	n.a.	180,016
04 Respiratory system	69,449	99,556	97,532	29,088	31,672	12,587	3,032	n.a.	342,916
05 Circulatory system	127,282	150,845	128,248	37,883	45,967	15,350	1,948	n.a.	507,523
06 Digestive system	189,016	187,573	157,119	56,892	51,971	19,881	5,199	n.a.	667,651
07 Hepatobiliary system and pancreas	31,106	30,266	25,912	9,386	10,125	3,715	1,413	n.a.	111,923
08 Musculoskeletal system and connective tissue	260,173	246,684	182,352	101,999	90,356	35,143	11,565	n.a.	928,272
09 Skin, subcutaneous tissue and breast	80,359	69,014	58,093	22,856	25,134	7,834	2,973	n.a.	266,263
10 Endocrine, nutritional and metabolic	14,310	18,286	16,655	5,986	6,650	2,549	607	n.a.	65,043
11 Kidney and urinary tract	51,380	57,925	44,510	15,653	21,071	6,002	2,284	n.a.	198,825
12 Male reproductive system	30,354	26,084	18,120	7,879	6,706	4,281	2,149	n.a.	95,573
13 Female reproductive system	72,315	57,808	46,750	22,950	21,552	8,775	4,955	n.a.	235,105
14 Pregnancy, childbirth and puerperium	135,551	112,259	90,602	52,304	29,848	15,574	8,822	n.a.	444,960
15 Newborns and other neonates	25,724	16,519	16,849	9,269	3,619	4,290	7,816	n.a.	84,086
16 Blood, blood forming organs, immunological	8,187	11,882	12,501	3,644	3,404	1,525	310	n.a.	41,453
17 Neoplastic disorders	20,258	38,295	35,511	10,247	10,072	2,225	1,232	n.a.	117,840
18 Infectious and parasitic diseases	10,960	14,934	15,876	5,289	4,993	2,397	630	n.a.	55,079
19 Mental diseases and disorders	72,895	108,276	84,191	38,130	42,906	8,830	1,940	n.a.	357,168
20 Alcohol/drug use and disorders	11,836	16,154	10,537	2,542	4,202	1,106	159	n.a.	46,536
21 Injury, poison and toxic effects of drugs	13,786	18,709	14,811	5,560	6,035	2,508	682	n.a.	62,091
22 Burns	825	773	761	183	298	53	1	n.a.	2,894
23 Factors influencing health status, other contacts	49,690	31,226	29,514	8,029	23,569	5,215	1,654	n.a.	148,897
ED Edit DRG (across all MDCs)	9,235	14,719	9,718	4,302	2,203	842	181	n.a.	41,200
PR Pre-MDC (Tracheostomy procs, transplants, ECMO)	4,680	8,213	10,224	559	3,609	979	41	n.a.	28,305
<b>Total</b>	<b>1,445,071</b>	<b>1,493,873</b>	<b>1,245,107</b>	<b>502,641</b>	<b>503,658</b>	<b>180,983</b>	<b>64,866</b>	<b>n.a.</b>	<b>5,436,199</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Abbreviations: MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, procs—procedures, ECMO—extracorporeal membrane oxygenation.

n.a. not available.

**Table 10.7: Separation, same day separation, patient day, average length of stay and cost statistics for the 30 AN-DRGs with the highest number of separations, public hospitals<sup>(a)</sup>, Australia, 1997–98**

AN-DRG	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)	Cost by volume (\$'000)	Rank by patient days
572 Admit for Renal Dialysis	372,965	372,691	99.9	20.0	373,651	20.1	1.0	168,580	3
780 Chemotherapy	133,062	132,743	99.8	7.1	133,398	7.2	1.0	75,712	11
674 Vaginal Delivery W/O Complicating Diagnosis	109,246	4,140	3.8	5.9	348,767	18.7	3.2	240,450	4
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	73,505	67,536	91.9	3.9	86,955	4.7	1.2	63,067	18
335 Other Colonoscopy W/O CC	49,758	44,700	89.8	2.7	62,157	3.3	1.2	42,195	40
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	37,885	27,961	73.8	2.0	40,830	2.2	1.1	38,491	70
686 Other Antenatal Admission W Moderate or No Complicating I	37,819	14,960	39.6	2.0	66,482	3.6	1.8	38,462	33
187 Bronchitis & Asthma Age<50 W/O CC	37,516	5,643	15.0	2.0	77,634	4.2	2.1	43,031	23
177 Chronic Obstructive Airways Disease	37,421	2,800	7.5	2.0	264,391	14.2	7.1	124,013	6
484 Other Skin, Subcutaneous Tissue & Breast Procedures	36,208	30,729	84.9	1.9	48,635	2.6	1.3	50,220	54
659 Conisation, Vagina, Cervix & Vulva Procedures	32,411	27,687	85.4	1.7	38,449	2.1	1.2	34,647	79
252 Heart Failure & Shock	31,959	2,213	6.9	1.7	229,076	12.3	7.2	111,058	7
843 Major Affective Disorders	31,418	9,349	29.8	1.7	381,484	20.5	12.1	142,292	2
261 Chest Pain	31,373	9,438	30.1	1.7	61,655	3.3	2.0	36,957	41
099 Lens Procedures W/O Vitrectomy & W/O CC	31,222	24,050	77.0	1.7	34,031	1.8	1.1	57,667	97
347 Abdominal Pain or Mesenteric Adenitis W/O CC	30,108	9,755	32.4	1.6	52,150	2.8	1.7	28,633	48
349 Oesophagitis, Gastroent & Misc Dig Dis Age 10-74 W/O CC	28,116	8,892	31.6	1.5	54,878	2.9	2.0	28,453	42
943 Other Factors Influencing Health Status Age<80 W/O CC	27,362	17,949	65.6	1.5	71,333	3.8	2.6	25,091	28
841 Schizophrenia Disorders	27,248	3,709	13.6	1.5	657,135	35.3	24.1	147,303	1
889 Poisoning/Toxic Effects of Drugs Age<60 W/O CC	26,957	10,004	37.1	1.4	41,321	2.2	1.5	25,960	68
455 Medical Back Problems Age<75 W/O CC	25,938	9,908	38.2	1.4	81,306	4.4	3.1	44,276	22
885 Injuries Age<65	25,873	13,490	52.1	1.4	39,239	2.1	1.5	25,019	75
660 Endoscopic Procedures, Female Reproductive System	24,413	20,795	85.2	1.3	26,954	1.4	1.1	32,030	137
128 Dental Extractions & Restorations	23,967	21,579	90.0	1.3	27,011	1.5	1.1	27,754	136
122 Tonsillectomy &/or Adenoidectomy	23,898	3,134	13.1	1.3	31,240	1.7	1.3	32,764	111
367 Cholecystectomy W/O C.D.E.	23,708	170	0.7	1.3	77,050	4.1	3.2	87,980	25
847 Personality Disorders & Acute Reactions	23,520	5,989	25.5	1.3	118,210	6.3	5.0	52,403	12
170 Respiratory Infections/Inflamns Age>54 W CC	23,082	849	3.7	1.2	208,240	11.2	9.0	108,070	8
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx &	23,022	12,886	56.0	1.2	37,790	2.0	1.6	39,805	81
473 Fx, Sprn, Strn&Disloc of Frarm, Hnd, Ft Age<75 W/O CC	22,586	9,542	42.2	1.2	27,206	1.5	1.2	24,348	134
Other	2,192,881	660,380	30.1	117.8	9,862,015	529.6	4.5	6,876,748	..
<b>Total</b>	<b>3,656,447</b>	<b>1,585,671</b>	<b>43.4</b>	<b>196.3</b>	<b>13,660,673</b>	<b>733.5</b>	<b>3.7</b>	<b>8,849,132</b>	<b>..</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note:

1. Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

2. Similar tables for all AN-DRGs are provided on the Internet at <http://www.aihw.gov.au/publications/health/ahs97-8.html> for Australia and each State and Territory.

**Table 10.8: Separation, same day separation, patient day, average length of stay and cost statistics for the 30 AN-DRGs with the highest number of separations, private hospitals<sup>(a)</sup>, Australia, 1997–98**

AN-DRG	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)	Cost by volume (\$'000)	Rank by patient days
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	107,914	104,185	96.5	5.9	116,640	6.3	1.1	81,151	3
335 Other Colonoscopy W/O CC	95,483	90,690	95.0	5.2	104,404	5.7	1.1	72,949	4
099 Lens Procedures W/O Vitrectomy & W/O CC	66,183	47,449	71.7	3.6	72,234	3.9	1.1	101,525	9
780 Chemotherapy	60,467	60,188	99.5	3.3	60,740	3.3	1.0	21,224	14
128 Dental Extractions & Restorations	49,425	40,557	82.1	2.7	50,372	2.7	1.0	43,247	17
421 Knee Procedures	49,370	28,990	58.7	2.7	67,513	3.7	1.4	71,241	12
572 Admit for Renal Dialysis	44,394	44,368	99.9	2.4	44,483	2.4	1.0	13,629	22
674 Vaginal Delivery W/O Complicating Diagnosis	31,878	361	1.1	1.7	163,471	8.9	5.1	72,204	2
484 Other Skin, Subcutaneous Tissue & Breast Procedures	29,826	25,819	86.6	1.6	36,051	2.0	1.2	33,524	29
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	27,357	25,550	93.4	1.5	27,823	1.5	1.0	21,721	42
843 Major Affective Disorders	24,660	15,681	63.6	1.3	187,600	10.2	7.6	53,192	1
455 Medical Back Problems Age<75 W/O CC	20,994	9,861	47.0	1.1	62,329	3.4	3.0	25,130	13
657 Uterine, Adnexa Proc for Non-Malig Age<40 W/O CC	18,859	12,946	68.6	1.0	32,680	1.8	1.7	31,947	36
656 Uterine, Adnexa Proc for Non-Malig (Age>39 W/O CC)or(Age	18,564	5,803	31.3	1.0	71,224	3.9	3.8	47,208	11
122 Tonsillectomy &/or Adenoidectomy	18,543	3,739	20.2	1.0	21,878	1.2	1.2	14,871	60
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx &	17,892	7,072	39.5	1.0	27,781	1.5	1.6	26,301	43
320 Inguinal & Femoral Hernia Procedures Age>9	17,760	992	5.6	1.0	41,329	2.2	2.3	31,222	24
330 Other Gastroscopy for Major Digestive Disease W/O CC	16,333	14,607	89.4	0.9	21,910	1.2	1.3	15,239	59
659 Conisation, Vagina, Cervix & Vulva Procedures	16,076	13,906	86.5	0.9	18,415	1.0	1.1	14,854	71
424 Local Excision & Removal Int Fix Devs Exc Hip & Femur	15,975	8,370	52.4	0.9	26,643	1.4	1.7	21,822	44
318 Anal & Stomal Procedures W/O CC	15,701	7,799	49.7	0.9	30,031	1.6	1.9	20,882	40
483 Skin, Subcutaneous Tissue & Breast Plastic Procedures	15,590	8,905	57.1	0.8	24,445	1.3	1.6	27,220	50
934 Short Stay Contacts W Health Services	14,952	14,641	97.9	0.8	15,297	0.8	1.0	35,197	92
367 Cholecystectomy W/O C.D.E.	14,473	62	0.4	0.8	48,336	2.6	3.3	39,627	19
432 Hand or Wrist Procedures Exc Major Joint	13,794	8,331	60.4	0.7	16,623	0.9	1.2	16,815	80
661 Diagnostic Curettage &/or Diagnostic Hysteroscopy	13,377	12,473	93.2	0.7	13,787	0.7	1.0	11,906	102
505 Other Skin Graft &/or Debridement Procedures	13,362	9,536	71.4	0.7	22,411	1.2	1.7	22,141	56
124 Myringotomy W Tube Insertion	13,335	13,056	97.9	0.7	13,507	0.7	1.0	10,215	104
660 Endoscopic Procedures, Female Reproductive System	11,976	9,735	81.3	0.6	13,132	0.7	1.1	15,473	107
030 Carpal Tunnel Release	11,096	8,274	74.6	0.6	12,405	0.7	1.1	10,941	112
Other	865,035	279,424	32.3	46.9	3,970,705	215.4	4.6	2,216,510	..
<b>Total</b>	<b>1,750,644</b>	<b>933,370</b>	<b>53.3</b>	<b>95.0</b>	<b>5,436,199</b>	<b>294.9</b>	<b>3.1</b>	<b>3,230,187</b>	<b>..</b>

Note:

1. Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

2. Similar tables for all AN-DRGs for Australia and each State and Territory are provided on the Internet at <http://www.aihw.gov.au/publications/health/ahs97-8.html>

**Table 10.9: Separations for the 30 AN-DRGs with the highest number of separations<sup>(a)</sup>, public hospitals, States and Territories, 1997–98**

AN-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
572 Admit for Renal Dialysis	109,238	104,237	57,799	37,771	26,622	9,245	10,812	17,241	372,965
780 Chemotherapy	41,351	36,737	21,326	14,166	11,771	4,108	3,468	135	133,062
674 Vaginal Delivery W/O Complicating Diagnosis	41,731	25,415	20,007	9,117	7,464	2,063	1,917	1,532	109,246
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	24,884	17,611	12,136	8,351	6,838	1,733	1,250	702	73,505
335 Other Colonoscopy W/O CC	16,793	10,468	8,901	6,240	4,726	1,221	1,001	408	49,758
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	10,623	10,687	3,846	3,010	7,051	929	444	1,295	37,885
686 Other Antenatal Admission W Moderate or No Complicating Diagnosis	12,052	9,946	7,953	3,065	2,945	857	373	628	37,819
187 Bronchitis & Asthma Age<50 W/O CC	13,503	7,291	6,851	4,208	4,516	434	355	358	37,516
177 Chronic Obstructive Airways Disease	14,844	7,949	6,397	3,262	3,466	709	345	449	37,421
484 Other Skin, Subcutaneous Tissue & Breast Procedures	10,377	7,781	9,559	3,345	3,682	749	525	190	36,208
659 Conisation, Vagina, Cervix & Vulva Procedures	8,677	8,837	7,378	2,056	4,085	547	378	453	32,411
252 Heart Failure & Shock	11,704	8,052	5,010	2,893	3,188	567	286	259	31,959
843 Major Affective Disorders	8,873	6,505	5,988	4,275	4,094	1,129	435	119	31,418
261 Chest Pain	12,534	6,839	6,142	1,922	2,963	390	316	267	31,373
099 Lens Procedures W/O Vitrectomy & W/O CC	10,376	9,177	4,483	2,564	3,858	161	319	284	31,222
347 Abdominal Pain or Mesenteric Adenitis W/O CC	11,723	6,709	5,776	2,567	2,270	554	269	240	30,108
349 Oesophagitis, Gastroent & Misc Dig Dis Age 10–74 W/O CC	10,837	5,576	5,649	2,715	2,571	373	194	201	28,116
943 Other Factors Influencing Health Status Age<80 W/O CC	6,563	6,383	5,666	2,315	5,046	397	520	472	27,362
841 Schizophrenia Disorders	8,356	6,677	6,086	2,116	2,695	708	388	222	27,248
889 Poisoning/Toxic Effects of Drugs Age<60 W/O CC	8,105	6,216	6,659	2,640	2,217	611	270	239	26,957
455 Medical Back Problems Age<75 W/O CC	8,543	6,159	4,564	3,236	2,447	562	101	326	25,938
885 Injuries Age<65	7,838	4,174	9,113	2,295	1,432	344	144	533	25,873
660 Endoscopic Procedures, Female Reproductive System	8,048	6,572	3,651	2,760	2,092	566	385	339	24,413
128 Dental Extractions & Restorations	5,139	7,049	5,179	2,518	2,417	821	470	374	23,967
122 Tonsillectomy &/or Adenoidectomy	7,064	7,352	4,312	1,708	2,504	382	451	125	23,898
367 Cholecystectomy W/O C.D.E.	8,335	6,339	4,142	1,784	2,181	441	346	140	23,708
847 Personality Disorders & Acute Reactions	7,967	4,073	4,571	3,090	2,750	642	220	207	23,520
170 Respiratory Infections/Inflamns Age>54 W CC	8,433	7,151	2,990	1,420	2,204	479	236	169	23,082
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx & W/O Maj C	8,620	4,421	3,373	2,419	2,948	429	809	3	23,022
473 Fx, Sprn, Strn&Disloc of Farm, Hnd, Ft Age<75 W/O CC	8,188	4,465	5,707	1,819	1,440	361	276	330	22,586
Other	752,496	535,458	398,076	200,052	207,743	45,640	29,872	23,544	2,192,881
<b>Total</b>	<b>1,223,815</b>	<b>902,306</b>	<b>659,290</b>	<b>341,699</b>	<b>342,226</b>	<b>78,152</b>	<b>57,175</b>	<b>51,784</b>	<b>3,656,447</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder, diag—diagnosis.

**Table 10.10: Separations for the 30 AN-DRGs with the highest number of separations<sup>(a)</sup>, private hospitals, States and Territories, 1997–98**

AN-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	38,879	30,061	23,581	6,753	6,038	2,475	127	n.a.	107,914
335 Other Colonoscopy W/O CC	30,531	28,549	21,424	7,090	5,499	2,222	168	n.a.	95,483
099 Lens Procedures W/O Vitrectomy & W/O CC	23,901	14,109	17,568	4,984	3,651	1,604	366	n.a.	66,183
780 Chemotherapy	8,451	22,360	16,537	5,807	5,811	698	803	n.a.	60,467
128 Dental Extractions & Restorations	13,513	14,332	9,343	5,998	4,586	n.p.	n.p.	n.a.	49,425
421 Knee Procedures	16,048	12,775	7,223	5,326	6,085	1,100	813	n.a.	49,370
572 Admit for Renal Dialysis	10,912	15,799	7,963	1,625	8,095	0	0	n.a.	44,394
674 Vaginal Delivery W/O Complicating Diagnosis	8,530	8,358	6,886	3,627	2,425	1,413	639	n.a.	31,878
484 Other Skin, Subcutaneous Tissue & Breast Procedures	10,992	6,909	6,200	2,149	2,529	671	376	n.a.	29,826
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	15,807	3,678	2,285	4,292	832	372	91	n.a.	27,357
843 Major Affective Disorders	4,133	10,027	4,341	3,484	1,766	844	65	n.a.	24,660
455 Medical Back Problems Age<75 W/O CC	4,962	5,557	2,574	3,964	2,856	1,018	63	n.a.	20,994
657 Uterine, Adnexa Proc for Non-Malig Age<40 W/O CC	6,097	4,805	4,527	1,283	972	751	424	n.a.	18,859
656 Uterine, Adnexa Proc for Non-Malig (Age>39 W/O CC)or(Age<40 W CC)	5,928	4,609	4,019	1,526	1,495	604	383	n.a.	18,564
122 Tonsillectomy &/or Adenoidectomy	5,759	4,028	4,341	1,752	1,845	554	264	n.a.	18,543
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx & W/O Maj C	6,761	3,955	3,995	1,506	1,372	n.p.	n.p.	n.a.	17,892
320 Inguinal & Femoral Hernia Procedures Age>9	6,064	4,601	3,406	1,439	1,347	586	317	n.a.	17,760
330 Other Gastroscopy for Major Digestive Disease W/O CC	5,774	4,761	3,404	1,081	949	326	38	n.a.	16,333
659 Conisation, Vagina, Cervix & Vulva Procedures	5,849	3,768	3,153	1,218	1,322	528	238	n.a.	16,076
424 Local Excision & Removal Int Fix Devs Exc Hip & Femur	5,412	4,469	2,208	1,690	1,397	520	279	n.a.	15,975
318 Anal & Stomal Procedures W/O CC	6,373	3,570	2,871	1,194	1,062	445	186	n.a.	15,701
483 Skin, Subcutaneous Tissue & Breast Plastic Procedures	4,968	3,644	3,998	1,143	1,408	287	142	n.a.	15,590
934 Short Stay Contacts W Health Services	6,018	4,074	3,314	893	332	292	29	n.a.	14,952
367 Cholecystectomy W/O C.D.E.	5,069	3,469	2,959	1,111	1,167	470	228	n.a.	14,473
432 Hand or Wrist Procedures Exc Major Joint	3,968	3,873	2,481	1,432	1,492	407	141	n.a.	13,794
661 Diagnostic Curettage &/or Diagnostic Hysteroscopy	4,399	3,966	2,087	1,279	1,070	333	243	n.a.	13,377
505 Other Skin Graft &/or Debridement Procedures	4,539	2,640	3,302	554	2,006	183	138	n.a.	13,362
124 Myringotomy W Tube Insertion	3,427	3,989	1,967	1,427	1,926	421	178	n.a.	13,335
660 Endoscopic Procedures, Female Reproductive System	3,976	3,357	1,928	1,229	753	513	220	n.a.	11,976
030 Carpal Tunnel Release	3,251	3,039	2,192	1,111	1,097	283	123	n.a.	11,096
Other	240,080	234,063	197,354	80,967	72,962	29,832	9,777	n.a.	865,035
<b>Total</b>	<b>520,371</b>	<b>477,194</b>	<b>379,431</b>	<b>158,934</b>	<b>146,147</b>	<b>50,996</b>	<b>17,571</b>	<b>n.a.</b>	<b>1,750,644</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

n.a. not available.

**Table 10.11: Average length of stay (days) for the 30 AN-DRGs with the highest number of separations, public hospitals<sup>(a)</sup>, States and Territories, 1997–98**

AN-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
572 Admit for Renal Dialysis	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
780 Chemotherapy	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
674 Vaginal Delivery W/O Complicating Diagnosis	3.2	3.3	2.9	3.4	3.1	3.8	2.9	3.8	3.2
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	1.2	1.1	1.2	1.2	1.2	1.1	1.2	1.2	1.2
335 Other Colonoscopy W/O CC	1.3	1.2	1.2	1.2	1.3	1.2	1.3	1.3	1.2
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	1.1	1.1	1.2	1.1	1.0	1.1	1.1	1.1	1.1
686 Other Antenatal Admission W Moderate or No Complicating Diagnosis	1.8	1.6	1.7	2.1	1.8	1.6	2.2	1.9	1.8
187 Bronchitis & Asthma Age<50 W/O CC	2.1	1.9	2.1	2.1	2.2	2.0	2.5	2.8	2.1
177 Chronic Obstructive Airways Disease	7.4	6.1	7.1	7.6	6.9	7.6	8.8	7.5	7.1
484 Other Skin, Subcutaneous Tissue & Breast Procedures	1.5	1.3	1.2	1.3	1.3	1.4	1.3	2.3	1.3
659 Conisation, Vagina, Cervix & Vulva Procedures	1.2	1.2	1.1	1.3	1.2	1.2	1.2	1.2	1.2
252 Heart Failure & Shock	7.6	6.5	6.9	7.2	7.2	9.2	10.0	7.7	7.2
843 Major Affective Disorders	12.0	12.2	11.5	14.4	11.9	7.3	14.8	13.0	12.1
261 Chest Pain	2.0	1.7	2.1	2.1	1.9	2.3	2.0	2.7	2.0
099 Lens Procedures W/O Vitrectomy & W/O CC	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.3	1.1
347 Abdominal Pain or Mesenteric Adenitis W/O CC	1.8	1.6	1.7	1.8	1.8	1.8	2.3	2.1	1.7
349 Oesophagitis, Gastroent & Misc Dig Dis Age 10–74 W/O CC	2.0	1.8	1.9	2.0	1.9	2.2	2.6	2.4	2.0
943 Other Factors Influencing Health Status Age<80 W/O CC	2.8	2.3	2.0	1.7	2.1	8.0	15.7	2.7	2.6
841 Schizophrenia Disorders	35.3	20.7	14.3	36.2	15.2	13.4	16.4	15.4	24.1
889 Poisoning/Toxic Effects of Drugs Age<60 W/O CC	1.6	1.4	1.5	1.4	1.6	1.8	3.0	1.9	1.5
455 Medical Back Problems Age<75 W/O CC	3.6	2.6	3.0	3.1	3.0	3.7	4.0	3.2	3.1
885 Injuries Age<65	1.6	1.4	1.3	1.8	1.6	2.1	2.2	2.6	1.5
660 Endoscopic Procedures, Female Reproductive System	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2	1.1
128 Dental Extractions & Restorations	1.1	1.0	1.1	1.1	1.5	1.0	1.1	1.2	1.1
122 Tonsillectomy &/or Adenoidectomy	1.4	1.2	1.2	1.4	1.4	1.3	1.4	1.2	1.3
367 Cholecystectomy W/O C.D.E.	3.5	3.3	2.6	3.8	3.0	2.8	3.5	4.7	3.2
847 Personality Disorders & Acute Reactions	4.9	5.6	4.7	5.8	4.3	4.4	5.7	4.9	5.0
170 Respiratory Infections/Inflamns Age>54 W CC	9.3	8.6	9.4	9.1	9.0	8.9	9.9	8.5	9.0
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx & W/O Maj C	1.7	1.5	1.8	1.6	1.6	1.9	1.5	5.3	1.6
473 Fx, Sprn, Strn&Disloc of Frarm,Hnd,Ft Age<75 W/O CC	1.2	1.2	1.1	1.3	1.2	1.3	1.2	1.9	1.2
Other	4.7	4.3	4.2	4.7	4.3	4.6	6.0	5.4	4.5
<b>Total</b>	<b>4.0</b>	<b>3.5</b>	<b>3.5</b>	<b>3.9</b>	<b>3.6</b>	<b>3.7</b>	<b>4.3</b>	<b>3.4</b>	<b>3.7</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

**Table 10.12: Average length of stay (days) for the 30 AN-DRGs with the highest number of separations, private hospitals<sup>(a)</sup>, States and Territories, 1997–98**

AN-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	1.0	1.1	1.1	1.1	1.1	1.1	1.4	n.a.	1.1
335 Other Colonoscopy W/O CC	1.1	1.1	1.1	1.1	1.1	1.2	1.5	n.a.	1.1
099 Lens Procedures W/O Vitrectomy & W/O CC	1.1	1.1	1.1	1.2	1.0	1.2	1.2	n.a.	1.1
780 Chemotherapy	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.a.	1.0
128 Dental Extractions & Restorations	1.0	1.0	1.0	1.1	1.0	1.0	1.0	n.a.	1.0
421 Knee Procedures	1.3	1.4	1.4	1.5	1.5	1.4	1.2	n.a.	1.4
572 Admit for Renal Dialysis	1.0	1.0	1.0	1.0	1.0	..	..	n.a.	1.0
674 Vaginal Delivery W/O Complicating Diagnosis	5.2	5.2	5.2	5.1	5.0	4.3	5.4	n.a.	5.1
484 Other Skin, Subcutaneous Tissue & Breast Procedures	1.1	1.2	1.3	1.5	1.2	1.3	1.3	n.a.	1.2
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	1.0	1.0	1.0	1.0	1.1	1.1	1.0	n.a.	1.0
843 Major Affective Disorders	7.9	6.1	9.4	5.5	16.1	4.8	16.1	n.a.	7.6
455 Medical Back Problems Age<75 W/O CC	3.0	3.5	3.8	2.1	2.1	3.6	6.8	n.a.	3.0
657 Uterine, Adnexa Proc for Non-Malig Age<40 W/O CC	1.6	1.6	1.7	2.6	2.3	2.0	1.7	n.a.	1.7
656 Uterine, Adnexa Proc for Non-Malig (Age>39 W/O CC)or(Age<40 W CC)	3.6	3.7	3.5	4.6	4.6	4.4	5.1	n.a.	3.8
122 Tonsillectomy &/or Adenoidectomy	1.2	1.3	1.1	1.2	1.3	1.3	1.2	n.a.	1.2
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx & W/O Maj CC	1.4	1.8	1.7	1.2	1.5	n.p.	n.p.	n.a.	1.6
320 Inguinal & Femoral Hernia Procedures Age>9	2.5	2.3	2.0	2.5	2.8	2.2	2.1	n.a.	2.3
330 Other Gastroscopy for Major Digestive Disease W/O CC	1.2	1.3	1.5	1.4	1.4	1.8	2.6	n.a.	1.3
659 Conisation, Vagina, Cervix & Vulva Procedures	1.1	1.1	1.2	1.2	1.2	1.1	1.1	n.a.	1.1
424 Local Excision & Removal Int Fix Devs Exc Hip & Femur	1.6	1.7	1.7	1.7	1.7	1.5	1.5	n.a.	1.7
318 Anal & Stomal Procedures W/O CC	1.6	1.9	2.1	2.6	2.5	2.2	2.5	n.a.	1.9
483 Skin, Subcutaneous Tissue & Breast Plastic Procedures	1.4	1.8	1.4	1.9	1.6	2.2	1.9	n.a.	1.6
934 Short Stay Contacts W Health Services	1.0	1.0	1.0	1.0	1.1	1.0	1.0	n.a.	1.0
367 Cholecystectomy W/O C.D.E.	3.1	3.6	3.3	3.7	3.5	3.3	3.3	n.a.	3.3
432 Hand or Wrist Procedures Exc Major Joint	1.2	1.2	1.2	1.3	1.2	1.3	1.2	n.a.	1.2
661 Diagnostic Curettage &/or Diagnostic Hysteroscopy	1.0	1.0	1.1	1.0	1.0	1.1	1.0	n.a.	1.0
505 Other Skin Graft &/or Debridement Procedures	1.5	1.8	1.6	3.1	1.3	2.5	1.8	n.a.	1.7
124 Myringotomy W Tube Insertion	1.0	1.0	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
660 Endoscopic Procedures, Female Reproductive System	1.1	1.1	1.1	1.1	1.2	1.2	1.1	n.a.	1.1
030 Carpal Tunnel Release	1.1	1.1	1.1	1.2	1.1	1.2	1.2	n.a.	1.1
Other	4.3	4.7	4.8	4.5	5.0	4.7	5.0	n.a.	4.6
<b>Total</b>	<b>2.8</b>	<b>3.1</b>	<b>3.3</b>	<b>3.2</b>	<b>3.4</b>	<b>3.5</b>	<b>3.7</b>	n.a.	<b>3.1</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

.. not applicable.

n.p. not published.

n.a. not available.

**Table 10.13: Separations for males for the 30 AN-DRGs with the highest number of hospital separations, by age group, all hospitals<sup>(a)</sup>, Australia, 1997-98**

AN-DRG	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total <sup>(b)</sup>
572 Admit for Renal Dialysis	0	21	825	7,431	19,848	30,746	40,146	48,313	64,912	27,110	239,352
780 Chemotherapy	59	1,365	2,321	2,137	3,028	6,387	15,459	26,340	28,810	10,557	96,463
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	207	608	1,143	3,643	9,097	13,435	17,112	15,211	14,490	8,015	82,961
335 Other Colonoscopy W/O CC	10	50	196	1,358	4,218	8,598	14,756	15,066	14,935	7,935	67,122
421 Knee Procedures	2	9	510	7,416	9,674	9,164	7,616	5,012	2,985	1,046	43,434
099 Lens Procedures W/O Vitrectomy & W/O CC	15	32	70	85	197	549	1,869	4,500	12,928	18,625	38,870
484 Other Skin, Subcutaneous Tissue & Breast Procedures	237	796	1,951	1,909	2,792	3,778	4,826	4,686	6,016	5,487	32,478
320 Inguinal & Femoral Hernia Procedures Age>9	0	0	312	1,708	2,783	3,975	5,876	5,985	6,310	4,420	31,369
128 Dental Extractions & Restorations	6	4,017	5,152	10,971	5,311	2,194	1,274	735	484	290	30,434
274 Circ Dsr W/O AMI W Invas Card Inves Proc W/O Comp Dx & W/O Maj CC	66	101	100	111	308	1,696	5,337	7,731	8,303	2,883	26,636
177 Chronic Obstructive Airways Disease	8	88	221	83	126	345	1,146	3,893	9,861	10,191	25,962
455 Medical Back Problems Age<75 W/O CC	9	68	278	1,289	3,770	5,796	5,322	3,527	3,036	0	23,095
187 Bronchitis & Asthma Age<50 W/O CC	1,212	8,968	6,689	1,909	1,158	974	476	0	0	0	21,386
122 Tonsillectomy &/or Adenoidectomy	51	6906	9602	2209	1126	535	238	111	49	14	20,841
432 Hand or Wrist Procedures Exc Major Joint	45	429	892	4,421	3,919	2,953	2,573	2,352	2,187	998	20,769
843 Major Affective Disorders	0	0	554	2,233	3,473	3,707	4,246	2,333	2,083	1,946	20,575
261 Chest Pain	4	10	63	327	1,215	3,232	4,868	4,262	3,577	2,373	19,931
252 Heart Failure & Shock	18	17	16	34	123	285	853	2,046	5,815	10,501	19,708
318 Anal & Stomal Procedures W/O CC	220	114	135	679	2,683	4,507	4,840	3,363	2,232	875	19,648
841 Schizophrenia Disorders	0	1	44	4,955	6,616	4,229	2,136	664	419	81	19,145
424 Local Excision & Removal Int Fix Devs Exc Hip & Femur	32	227	1,479	4,475	4,243	3,221	2,487	1,611	954	406	19,135
885 Injuries Age<65	52	1,062	2,451	4,760	4,333	3,059	2,045	1,251	0	0	19,013
330 Other Gastroscopy for Major Digestive Disease W/O CC	10	15	110	650	1,397	2,197	3,347	3,690	4,256	3,052	18,724
579 Urinary Stones W/O ESW Lithotripsy	27	37	81	500	2,103	3,772	4,783	3,558	2,401	953	18,215
727 Neonate, Adm Wt >2499g, W/O Signif O.R. Proc, W/O Problem	16,400	0	0	0	0	0	0	0	0	0	16,400
170 Respiratory Infections/Inflamns Age>54 W CC	0	0	0	0	0	0	0	2,100	5,003	8,776	15,879
473 Fx, Sprn, Strn&Disloc of Frarm, Hnd, Ft Age<75 W/O CC	22	1,093	8,227	2,845	1,382	953	694	354	268	0	15,838
943 Other Factors Influencing Health Status Age<80 W/O CC	1,080	844	518	617	1,545	1,824	2,845	2,768	2,533	1,015	15,589
847 Personality Disorders & Acute Reactions	177	252	1,252	2,070	2,965	2,319	4,515	870	322	636	15,378
124 Myringotomy W Tube Insertion	685	7,960	5,411	183	136	157	235	231	217	129	15,344
349 Oesophagitis, Gastroent & Misc Dig Dis Age 10-74 W/O CC	0	0	1,326	2,292	2,743	2,201	2,254	1,948	2,165	0	14,929
Other	61,231	74,203	79,424	98,681	116,069	138,418	164,639	185,543	248,058	234,924	1,401,194
<b>Total</b>	<b>81,885</b>	<b>109,293</b>	<b>131,353</b>	<b>171,981</b>	<b>218,381</b>	<b>265,206</b>	<b>328,813</b>	<b>360,054</b>	<b>455,609</b>	<b>363,238</b>	<b>2,485,817</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

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

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

**Table 10.14: Separations for females for the 30 AN-DRGs with the highest number of hospital separations, by age group, all hospitals<sup>(a)</sup>, Australia, 1997–98**

AN-DRG	<1	1–4	5–14	15–24	25–34	35–44	45–54	55–64	65–74	75+	Total <sup>(b)</sup>
572 Admit for Renal Dialysis	1	4	229	3,810	13,147	19,335	27,678	40,956	54,970	17,877	178,007
674 Vaginal Delivery W/O Complicating Diagnosis	0	0	58	33,519	89,057	18,433	56	0	0	1	141,124
332 Other Gastroscopy for Non-Major Digestive Disease W/O CC	175	407	943	4,728	9,076	14,695	20,845	18,857	17,195	11,517	98,438
780 Chemotherapy	58	1,310	2,026	1,226	3,609	12,007	24,258	23,973	20,879	7,716	97,062
335 Other Colonoscopy W/O CC	12	54	185	2,328	5,504	10,440	16,608	16,476	16,359	10,148	78,114
683 Abortion W D&C, Aspiration Curettage or Hysterotomy	2	0	156	21,566	29,473	13,734	310	1	0	0	65,242
099 Lens Procedures W/O Vitrectomy & W/O CC	10	36	40	67	157	459	1,809	5,001	18,286	32,668	58,533
659 Conisation, Vagina, Cervix & Vulva Procedures	14	115	235	8,629	14,325	11,190	7,779	3,330	1,900	970	48,487
686 Other Antenatal Admission W Moderate or No Complicating Diagnosis	0	0	40	14,908	23,262	4,937	36	0	0	0	43,183
128 Dental Extractions & Restorations	4	3,461	5,560	20,050	7,967	2,848	1,547	706	434	381	42,958
656 Uterine, Adnexa Proc for Non-Malig (Age>39 W/O CC)or(Age<40 W CC)	1	0	18	213	981	12,861	14,814	4,078	2,549	1,081	36,596
660 Endoscopic Procedures, Female Reproductive System	1	1	92	5,004	15,531	12,738	2,416	422	134	50	36,389
843 Major Affective Disorders	4	0	216	3,139	6,061	7,900	7,934	3,935	3,442	2,872	35,503
661 Diagnostic Curettage &/or Diagnostic Hysteroscopy	0	0	11	1,007	3,972	8,534	12,483	5,104	2,562	1,048	34,721
657 Uterine, Adnexa Proc for Non-Malig Age<40 W/O CC	7	6	169	4,120	17,399	12,775	0	0	0	0	34,476
484 Other Skin, Subcutaneous Tissue & Breast Procedures	193	848	2,296	2,933	3,631	4,919	5,404	4,305	4,269	4,756	33,554
670 Caesarean Delivery W/O Complicating Diagnosis	0	0	9	4,160	19,055	5,860	36	1	0	0	29,121
367 Cholecystectomy W/O C.D.E.	0	1	67	1,798	4,708	5,292	5,741	4,754	3,700	1,936	27,997
421 Knee Procedures	1	7	495	3,420	3,665	4,406	4,954	4,116	3,368	1,458	25,890
455 Medical Back Problems Age<75 W/O CC	12	62	296	1,104	2,856	5,045	5,853	4,234	4,375	0	23,837
675 Vaginal Delivery W Moderate Complicating Diagnosis	0	0	6	5,450	14,559	3,274	9	0	0	0	23,298
347 Abdominal Pain or Mesenteric Adenitis W/O CC	109	241	2,651	4,997	4,538	3,531	2,541	1,627	1,342	1,286	22,863
685 Other Antenatal Admission W Severe Complicating Diagnosis	0	0	18	5,761	13,113	3,854	22	1	0	0	22,769
943 Other Factors Influencing Health Status Age<80 W/O CC	908	623	525	2,726	6,108	3,245	2,526	2,441	2,430	1,108	22,640
676 Vaginal Delivery W Severe Complicating Diagnosis	0	0	19	5,470	13,391	3,476	14	0	0	0	22,370
122 Tonsillectomy &/or Adenoidectomy	11	4,417	9,744	5,168	1,448	494	169	80	47	22	21,600
349 Oesophagitis, Gastroent & Misc Dig Dis Age 10–74 W/O CC	0	0	1,041	3,428	3,829	2,955	3,271	2,942	3,401	0	20,867
678 Postpartum & Post Abortion Diagnoses W/O O.R. Procedure	0	0	13	3,953	12,808	3,397	13	0	0	0	20,184
252 Heart Failure & Shock	20	23	12	21	57	132	431	1,214	3,795	13,935	19,640
177 Chronic Obstructive Airways Disease	8	50	136	101	161	346	1,539	3,345	6,274	7,427	19,387
Other	56,432	61,088	67,984	115,528	180,317	176,463	185,664	171,287	215,403	306,145	1,536,334
<b>Total</b>	<b>57,983</b>	<b>72,754</b>	<b>95,290</b>	<b>290,332</b>	<b>523,765</b>	<b>389,575</b>	<b>356,760</b>	<b>323,186</b>	<b>387,114</b>	<b>424,402</b>	<b>2,921,184</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

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

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

**Table 10.15: Separation, same day separation, patient day, average length of stay and cost statistics for the 30 AN-DRGs with the highest number of separations, public psychiatric hospitals<sup>(a)</sup>, Australia, 1997–98**

AN-DRG	Separations	Same day separations	Per cent same day separations	Separations per 1,000 population	Patient days	Patient days per 1,000 population	ALOS (days)	Cost by volume (\$'000)	Rank by patient days
841 Schizophrenia Disorders	5,013	134	2.7	0.3	324,151	17.4	64.7	27,100	1
843 Major Affective Disorders	3,606	73	2.0	0.2	94,814	5.1	26.3	16,332	3
847 Personality Disorders & Acute Reactions	2,943	237	8.1	0.2	25,982	1.4	8.8	6,557	5
863 Other Drug Use Disorder & Dependence	1,684	105	6.2	0.1	10,410	0.6	6.2	2,912	10
056 Dementia & Global Disturbances of Cerebral Function	1,091	18	1.6	0.1	122,893	6.6	112.6	6,109	2
862 Alcohol Use Disorder & Dependence	890	37	4.2	<0.1	12,572	0.7	14.1	1,982	8
952 Ungroupable	858	80	9.3	<0.1	28,996	1.6	33.8	3,900	4
842 Paranoia & Acute Psychotic Disorders	689	17	2.5	<0.1	12,568	0.7	18.2	3,041	9
844 Other Affective & Somatoform Disorders	638	30	4.7	<0.1	16,276	0.9	25.5	1,377	6
860 Alcohol Intoxication & Withdrawal	549	105	19.1	<0.1	2,735	0.1	5.0	694	14
861 Drug Intoxication & Withdrawal	497	20	4.0	<0.1	4,186	0.2	8.4	1,399	13
845 Anxiety Disorders	144	11	7.6	<0.1	2,236	0.1	15.5	241	15
943 Other Factors Influencing Health Status Age<80 W/O CC	77	9	11.7	<0.1	1,235	0.1	16.0	71	16
054 Other Disorders of the Nervous System W/O CC	54	3	5.6	<0.1	6,253	0.3	115.8	96	11
848 Childhood Mental Disorders	54	6	11.1	<0.1	14,016	0.8	259.6	234	7
846 Eating & Obsessive-Compulsive Disorders	45	2	4.4	<0.1	764	<0.1	17.0	230	18
678 Postpartum & Post Abortion Diagnoses W/O O.R. Procedure	28	1	3.6	<0.1	375	<0.1	13.4	0	19
889 Poisoning/Toxic Effects of Drugs Age<60 W/O CC	24	1	4.2	<0.1	158	<0.1	6.6	23	22
888 Poisoning/Toxic Effects of Drugs Age>59 or W CC	19	2	10.5	<0.1	77	<0.1	4.1	39	27
063 Degenerative Nervous System Disorders Age<60	13	0	0.0	<0.1	820	<0.1	63.1	35	17
019 Non-Acute Quadriplegia/Paraplegia, W or W/O O.R. Procedure	9	1	11.1	<0.1	5,325	0.3	591.7	71	12
942 Other Factors Influencing Health Status Age>79 or W CC	7	0	0.0	<0.1	103	<0.1	14.7	19	26
062 Degenerative Nervous System Disorders Age>59	6	0	0.0	<0.1	143	<0.1	23.8	31	23
047 Seizure Age<65 W/O CC	5	0	0.0	<0.1	10	<0.1	2.0	6	46
956 Unacceptable Principal Diagnosis	5	0	0.0	<0.1	42	<0.1	8.4	6	31
885 Injuries Age<65	3	0	0.0	<0.1	5	<0.1	1.7	3	51
037 Cerebrovascular Disorders Except TIA W CC	2	0	0.0	<0.1	19	<0.1	9.5	13	38
038 Cerebrovascular Disorders Except TIA W/O CC	2	0	0.0	<0.1	135	<0.1	67.5	7	25
044 Nontraumatic Stupor & Coma	2	0	0.0	<0.1	15	<0.1	7.5	3	43
941 Rehabilitation	2	0	0.0	<0.1	142	<0.1	71.0	22	24
038 Other	35	1	2.9	<0.1	981	0.1	28.0	136	..
<b>Total</b>	<b>18,994</b>	<b>893</b>	<b>4.7</b>	<b>1.0</b>	<b>688,437</b>	<b>37.0</b>	<b>38.5</b>	<b>72,688</b>	<b>..</b>

(a) Separations for which the type of episode of care was reported as acute, or was not reported.

Note: Main abbreviations: W—with, W/O—without, CC—complications and comorbidities, proc.—procedure, dsr—disorder.

**Table 10.16: Separations for Group 1 Edit DRGs for the 10 principal procedures with the highest number of separations<sup>(a)</sup> by hospital sector, States and Territories, 1997–98**

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
<b>Principal procedure</b>	<b>Public hospitals</b>								
6981 Transvaginal oocyte recovery	37	704	0	122	3	0	0	0	866
0881 Linear repair of laceration of eyelid or eyebrow	32	46	56	48	22	0	0	0	204
6021 Transurethral prostatectomy	41	58	9	10	14	2	3	0	137
294 Plastic operation on pharynx	30	22	19	19	31	5	4	0	130
470 Appendectomy	37	37	11	21	10	5	0	2	123
6909 Other dilation and curettage of uterus	37	28	12	9	4	2	0	2	94
5791 Sphincterotomy of bladder	33	22	5	9	9	2	0	0	80
543 Excision of lesion or tissue of abdominal wall or umbilicus	23	19	12	10	6	1	0	0	71
5732 Diagnostic procedures on bladder, other cystoscopy	18	20	10	10	8	2	1	1	70
540 Other operation on abdominal wall, incision of abdominal wall	18	18	10	11	4	1	0	1	63
Other procedures	1,677	1,358	793	714	568	97	72	64	5,343
<b>Total</b>	<b>1,983</b>	<b>2,332</b>	<b>937</b>	<b>983</b>	<b>679</b>	<b>117</b>	<b>80</b>	<b>70</b>	<b>7,181</b>
	<b>Private hospitals</b>								
6981 Transvaginal oocyte recovery	621	1,043	379	42	0	1	5	n.a.	2,091
294 Plastic operation on pharynx	93	57	46	62	19	3	7	n.a.	287
6983 Gamete intrafallopian transfer (GIFT)	4	63	134	6	0	0	0	n.a.	207
5732 Diagnostic procedures on bladder, other cystoscopy	61	18	31	5	3	2	4	n.a.	124
6021 Transurethral prostatectomy	18	42	21	13	8	2	0	n.a.	104
863 Other local excision of lesion or tissue of skin	25	28	23	4	4	2	0	n.a.	86
2769 Palatoplasty, other plastic repair of palate	49	17		4	4	3	1	n.a.	78
1341 Phacoemulsification and aspiration of cataract	32	10	23	4	3	1	0	n.a.	73
5791 Sphincterotomy of bladder	23	19	4	9	7	4	0	n.a.	66
6909 Other dilation and curettage of uterus	32	10	11	8	4	1	0	n.a.	66
Other procedures	1,644	1,041	998	463	304	119	31	n.a.	4,600
<b>Total</b>	<b>2,602</b>	<b>2,348</b>	<b>1,670</b>	<b>620</b>	<b>356</b>	<b>138</b>	<b>48</b>	<b>n.a.</b>	<b>7,782</b>

(a) Separations for which the Type of episode of care was reported as acute, or was not reported.

n.a. not available.

**Table 10.17: Separations for Group 2 Edit DRGs for the 10 principal diagnoses with the highest number of separations<sup>(a)</sup> by hospital sector, States and Territories, 1997–98**

		NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
<b>Principal diagnosis</b>		<b>Public hospitals</b>								
650	Single spontaneous vaginal delivery	15	5	11	5	6	1	0	2	45
76519	Disorders relating to short gestation, other preterm infants	11	0	6	5	3	0	1	3	29
27701	Cystic fibrosis with intestinal manifestations	4	0	8	1	3	0	0	0	16
64300	Mild hyperemesis gravidarum, unspec.	15	0	0	0	0	0	0	0	15
64660	Infections of genitourinary tract in pregnancy, unspec.	13	0	1	0	0	0	0	0	14
V1272	Personal history of certain dis. of digestive system, colonic polyps	1	1	10	1	0	0	0	0	13
V1279	Personal history of certain dis. of digestive system, other	0	1	9	0	0	0	0	2	12
64190	Unspecified antepartum haemorrhage, unspec.	11	0	1	0	0	0	0	0	12
64240	Hypertension complicating pregnancy, mild/unspec. pre-eclampsia	7	0	1	0	0	0	0	0	8
65490	Abnormality of organs and soft tissues of pelvis, other & unspec.	0	8	0	0	0	0	0	0	8
	Other diagnosis	128	14	87	19	24	17	3	9	301
<b>Total</b>		<b>205</b>	<b>29</b>	<b>134</b>	<b>31</b>	<b>36</b>	<b>18</b>	<b>4</b>	<b>16</b>	<b>473</b>
		<b>Private hospitals</b>								
V1272	Personal history of certain dis. of digestive system, colonic polyps	0	269	83	0	1	12	0	n.a.	365
V1005	Personal history of malignant neoplasm, large intestine	0	183	42	0	0	7	0	n.a.	232
V1051	Personal history of malignant neoplasm, bladder	0	47	32	0	0	0	0	n.a.	79
650	Single spontaneous vaginal delivery	6	31	17	0	1	1	1	n.a.	57
V1006	Personal history of malignant neoplasm—rectum etc.	1	44	5	0	0	1	0	n.a.	51
V1270	Personal history of certain dis. of digestive system, unspec.	0	36	1	0	0	0	0	n.a.	37
V1271	Personal history of certain dis. of digestive system, peptic ulcers	0	24	7	0	0	1	0	n.a.	32
65960	Other indic. for care related to labour, adv. maternal age, unspec.	30	0	0	0	0	0	0	n.a.	30
V1279	Personal history of certain dis. of digestive system, other	0	22	7	0	0	0	0	n.a.	29
V7649	Special screening for malignant neoplasms, other sites	0	4	11	1	4	0	0	n.a.	20
	Other diagnosis	44	132	66	6	33	27	2	n.a.	310
<b>Total</b>		<b>81</b>	<b>792</b>	<b>271</b>	<b>7</b>	<b>39</b>	<b>49</b>	<b>3</b>	<b>n.a.</b>	<b>1,242</b>

(a) Separations for which the Type of episode of care was reported as acute, or was not reported.  
n.a. not available.

Percentage of all separations

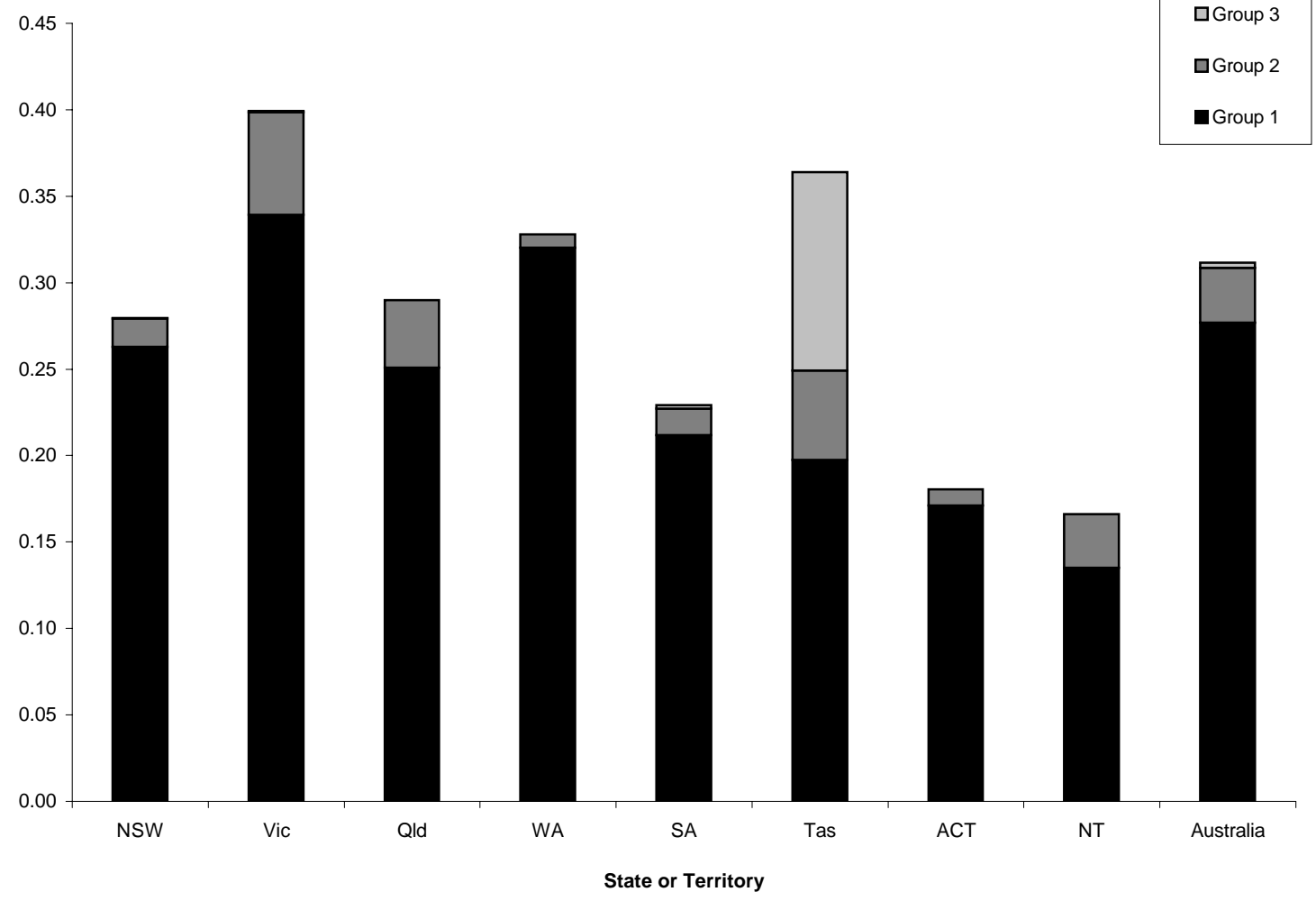


Figure 10.3: Edit DRGs as a percentage of all separations, States and Territories, 1997-98