

10 Australian Refined Diagnosis Related Groups for admitted patients

Introduction

Australian Refined Diagnosis Related Groups (AR-DRGs) is an Australian admitted patient classification system which provides a clinically meaningful way of 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 Aged Care 1998). 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 of the patient.

This report uses AR-DRG version 4.0 for States and Territories for which diagnosis and procedure information was provided in ICD-9-CM, and AR-DRG version 4.1 for jurisdictions for which diagnosis and procedure information was provided in ICD-10-AM, for tables using AR-DRG based data in Chapters 2, 4, 5, and 10.

The AR-DRG classification is based on a description of body systems, a partition into medical, surgical and other groupings, 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 661 AR-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 Aged Care 1998). In general, episodes are assigned to MDCs on the basis of the principal diagnosis. Some episodes involving procedures that are particularly resource intensive can also be assigned to the *Pre-MDC* category (AR-DRGs A01Z–A41Z), 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 Error-DRGs (AR-DRGs 901Z–903Z, 961Z–963Z and 960Z, see Glossary) have been similarly categorised separately, even if they were assigned to an MDC.

Episodes are assigned to AR-DRGs within MDCs, primarily on the basis of the procedure codes (in the surgical partition) or the diagnosis codes (in the medical partition). For the assignment of AR-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 AR-DRG is associated with a cluster of closely-related procedures or diagnoses, other variables, such as the patient's age, complicating diagnoses/procedures and/or patient clinical complexity level, and the mode of separation, are used for AR-DRG assignment (Department of Health and Aged Care 1998).

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

The information in this chapter is presented using both levels of the AR-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);

- AR-DRGs – detailed information is presented for the 30 of the 661 AR-DRGs with the highest number of separations (Tables 10.7 to 10.14).

In addition, Table 10.15 presents summary statistics for the 30 AR-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*, *Newborn* (for separations with at least one qualified day) or was not reported. That is, separations for episode of care types *Rehabilitation*, *Palliative care*, *Non-acute care*, *Other care* and *Newborn* (for separations with unqualified days only) 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, 93.1% were reported as *Acute* (92.1%, 3,698,568 of 4,019,992 in the public sector and 95.2%, 1,771,556 of 1,861,633 in the private sector). For public psychiatric hospitals 84% of separations for which the type of episode of care was reported were *Acute*.

Tables are presented with summary separation, patient day and average 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 10.4, 10.10 and 10.12. These data were supplied but are not published, for confidentiality reasons.

Cost weights and costs by volume

For each AR-DRG (version 4.0 and version 4.1 combined, see Appendix 4), cost weights were estimated for 1998–99 for the public and private sectors by the Department of Health and Aged Care, through the National Hospital Cost Data Collection (unpublished). The cost weights represent the costliness of an AR-DRG relative to all other AR-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 AR-DRG with a cost weight of 1.00: \$2,488 in the public sector and \$1,870 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 AR-DRG by multiplying the estimated average cost for the AR-DRG by the number of separations for the AR-DRG. For MDCs, the cost estimates for all the AR-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 1998–99. 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 1998–99 separations is included in Chapters 2, 4 and 5.

Appendix 10 includes further information on the National Hospital Cost Data Collection and its results for AR-DRG version 4.0/4.1 for 1998–99.

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 *Diseases and disorders of the kidney and urinary tract* (MDC 11), followed by *Diseases and disorders of the digestive system* (MDC 06). In the private sector, *Diseases and disorders of the digestive system* (MDC 06) had the largest number of separations, followed by *Diseases and disorders of the musculoskeletal system and connective tissue* (MDC 08). For the public sector the highest numbers of patient days were reported for the *Diseases and disorders of the circulatory system* (MDC 05) and *Mental diseases and disorders* (MDC 19) MDCs. The *Diseases and disorders of the musculoskeletal system and connective tissue* (MDC 08) and *Diseases and disorders of the digestive system* (MDC 06) 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 *Diseases and disorders of the digestive system* (MDC 06) and *Diseases and disorders of the kidney and urinary tract* (MDC 11). The largest numbers of patient days were reported for the *Diseases and disorders of the musculoskeletal system and connective tissue* (MDC 08) and *Diseases and disorders of the circulatory system* (MDC 05) 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 28.8 days for the *Pre-MDC* group to 1.5 days for *Diseases and disorders of the kidney and urinary tract* (MDC 11) and *Diseases and disorders of the eye* (MDC 02). In the private sector, the longest average length of stay was 26.9 days for the *Pre-MDC* group, and the shortest was 1.1 days, for *Diseases and disorders of the eye* (MDC 02).

Notable differences between hospital sectors were for *Pregnancy, childbirth and puerperium* (MDC 14), where the average length of stay was higher for private hospitals (4.0 days) than public hospitals (3.0 days), *Newborns and other neonates* (MDC 15), where the average length of stay was higher in public hospitals (8.2 days) than private hospitals (6.5 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), *Mental diseases and disorders* (MDC 19), where the average length of stay was higher for public hospitals (11.3 days) than private hospitals (5.7 days), and *Alcohol/drug use and alcohol/drug induced organic mental disorders* (MDC 20), where the average length of stay was higher for private hospitals (5.6 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 AR-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 *Diseases and disorders of the circulatory system* (MDC 05). In the private sector it was *Diseases and disorders of the musculoskeletal system and connective tissue* (MDC 08).

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 *Diseases and disorders of the respiratory system* (MDC 04) in private hospitals (rather than public hospitals) was higher in Queensland (27%, 16,143) than in the other jurisdictions, for example, New South Wales (13%, 13,587). The proportion of total patient days for *Pregnancy, childbirth and the puerperium* (MDC 14) that was in private hospitals (rather than public hospitals) was 29%

overall (423,181), but varied between States and Territories, for example, 24% in South Australia (27,001), 27% in New South Wales (130,717) and 37% in Western Australia (55,307).

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 (0.6% of separations, 341, compared with a national average of 4.4%, 165,764) and *Diseases and disorders of the kidney and urinary tract* (MDC 11) in the Australian Capital Territory (21.5%, 12,383, compared with 14.6%, 546,695). In the private sector, South Australia and Western Australia reported fewer separations for *Diseases and disorders of the digestive system* (MDC 06) (15.5% of separations, 22,855, and 15.3% of separations, 28,315 respectively, compared with 18.5%, 339,028, nationally).

Australian Refined Diagnosis Related Groups

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

In the public sector in 1998–99 *Admit for renal dialysis* (AR-DRG L61Z) was the most common AR-DRG, accounting for 11.3% (422,846) of total separations (Table 10.7). Other leading

AR-DRGs included *Chemotherapy* (AR-DRG R63Z) with 3.3% (122,355), and *Vaginal delivery without complicating diagnosis* (AR-DRG O60D) with 2.9% (110,375) of total public sector separations. The corresponding top three AR-DRGs in the private sector were *Other colonoscopy, same day* (AR-DRG G44C) with 6.5% (119,459) of total separations, *Other gastroscopy for non-major digestive disease, same day* (AR-DRG G45B) with 4.9% (89,032), and *Chemotherapy* (AR-DRG R63Z) with 4.1% (74,658) (Table 10.8).

Of the 10 AR-DRGs with the most separations for the public sector, four were not included in the top 30 for the private sector, namely *Bronchitis and asthma age <50 without complications and comorbidities* (AR-DRG E69C), *Other antenatal admission with moderate or no complicating disorder* (AR-DRG O65B), *chest pain* (AR-DRG F74Z) and *Oesophagitis, Gastroenteritis and miscellaneous digestive system disorders age >9 without catastrophic severe complication or comorbidity* (AR-DRG G67B). On the other hand, only one of the leading 10 AR-DRGs in the private sector, *Knee procedures* (AR-DRG I18Z) was missing from the top 30 for the public sector.

Among the 30 AR-DRGs with the most separations for the public sector, there were three which were among the top 10 in terms of the most patient days. Similarly, for the private sector, there were six AR-DRGs among the 30 AR-DRGs with the most separations that were also in the top 10 AR-DRGs in terms of patient days. Within the top 30, average lengths of stay ranged from 6.0 days for *Heart failure and shock without catastrophic complication or comorbidity* (AR-DRG F62B) in the public sector to 1 day for eleven different AR-DRGs in the private sector and six in the public sector.

The highest costs in public hospitals were estimated to be for *Vaginal delivery without complicating diagnosis* (AR-DRG O60D) followed by *Admit for renal dialysis* (AR-DRG L61Z). In the private sector, the costliest AR-DRGs in the top 30 were estimated to be *Major lens procedures* (AR-DRG C08Z) and *Other colonoscopy, same day* (AR-DRG G44C).

States and Territories

There was some variation between the States and Territories in the relative number of separations for the most common AR-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* (AR-DRG L61Z) accounted for a markedly greater proportion of separations than the national average (32.7%, 17,786, and 19.0%, 10,937, respectively, compared with 11.3%, 422,846).

In the private sector, examples of differences include separations in the Australian Capital Territory, *Other gastroscopy for non-major digestive disease, sameday* (AR-DRG G45B) which accounted for a lower proportion of total separations than the national average (0.6%, 94, compared with 4.9%, 89,032), and *Other colonoscopy, sameday* (AR-DRG G44C) (0.9%, 157, compared with 6.5%, 119,459). In South Australia, *Myringotomy with tube insertion* (AR-DRG D13Z) accounted for 1.2% of separations (1,840), compared with the national average of 0.7% (12,374).

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 complication or comorbidity* (AR-DRG Z64B) ranged from 5.3 in the Northern Territory to 1.4 in the Australian Capital Territory and *Heart failure and shock without catastrophic complication and comorbidity* (AR-DRG F62B) ranged from 5.2 days in the Northern Territory to 6.8 days Tasmania. In the private sector, variation in lengths of stay was evident for AR-DRGs such as *Skin, subcutaneous tissue and breast plastic operating room procedures* (AR-DRG J10Z) and *Hysterectomy for non-malignancy* (AR-DRG N04Z).

Age group and sex

Tables 10.13 and 10.14 summarise separations by age group and sex for the 30 leading AR-DRGs. Sixteen of the top 30 AR-DRGs were common to both sexes, while some others were more sex-specific (for example, *Vaginal delivery without complicating diagnosis* (AR-DRG O60D). *Admit for renal dialysis* (AR-DRG L61Z) was the most commonly reported AR-DRG for both sexes, with the most separations in the 65 to 74 years age group.

The age distributions varied by AR-DRG. For example, *Tonsillectomy or adenoidectomy* (AR-DRG D11Z) was most commonly reported for males and females in the 5 to 14 years age group. *Knee procedures* (AR-DRG I18Z) was most commonly reported for males in the 35 to 44 years age group and for females in the 45 to 54 years age group, and 54.9% of separations (52,974) for *Major lens procedure* (AR-DRG C08Z) 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/ahs98-9.html> provide national and State and Territory summary statistics for public and private hospitals for each AR-DRG (version 4.0/4.1) and AN-DRG (version 3.1) (as presented for the top 30 AR-DRGs in Tables 10.7 and 10.8). Information provided in ICD-10-AM was mapped backwards to ICD-9-CM before being grouped to AN-DRG version 3.1. For confidentiality, data for some AR-DRGs in the private sector have been suppressed. The information was suppressed if there were fewer than 50 private hospital separations reported for the AR-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 AR-DRG.

Public psychiatric hospitals

Information on AR-DRGs for patients of public psychiatric hospitals was supplied by all States and Territories. Most of these 17,465 separations had AR-DRGs reported that were within the *Mental diseases and disorders* and *Alcohol/drug use and alcohol/drug induced organic mental disorders* MDCs (AR-DRGs beginning with U or V, respectively) (Table 10.15). *Schizophrenia disorders with mental health legal status* (AR-DRG U61A) accounted for the most separations and the most patient days. *Major affective disorders age <70 without catastrophic or severe complication or comorbidity* (AR-DRG U63B) ranked second for separations and *Dementia and other chronic disturbances of cerebral function* (AR-DRG B63Z) for patient days.

The average length of stay was long for most of these AR-DRGs and only 8.3% (1,441) of separations were same day separations, compared with 44.9% in public hospitals overall. The average length of stay for *Schizophrenia disorders with mental health legal status* (AR-DRG U61A) in public psychiatric hospitals was 85.6 days and the average length of stay for *Major affective disorders age <70 without catastrophic or severe comorbidity or complication* (AR-DRG 843) was 21.9 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* (AR-DRG U61A) (19 days) and *Major affective disorders* (AR-DRG U63B) (13 days) and for *Dementia and other chronic disturbances of cerebral function* (AR-DRG B63Z) (34 days, compared with the average length of stay of 100.3 days). (By definition, half the separations have a shorter length of stay and half have a longer length of stay than the median.)

Error DRGs

Error DRGs are the groups to which records containing clinically inconsistent or invalid information are assigned. Group 1 Error DRGs, 901Z, 902Z and 903Z, are assigned when all the operating room procedures are unrelated to the MDC of the patient's principal diagnosis. Group 2 Error DRGs, 961Z, 962Z and 963Z, are assigned when a principal diagnosis is coded which will not allow the patient to be assigned to a clinically coherent DRG. Group 3 Error DRG, 960Z, is assigned when the principal diagnosis is invalid, or when other necessary information is incorrect or missing (Department of Health and Aged Care 1998).

Table 10.16 provides information on Group 1 Error 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 Error DRGs, for the 10 principal diagnoses with the highest number of separations, by hospital sector and State and Territory. A higher number of separations was assigned to Error DRGs for public hospitals (60.5%, 7,448 for Group 1 and 41.5%, 1,653 for Group 2) than for private hospitals (39.5%, 4,870 for Group 1 and 58.5%, 3,978, for Group 2). Variation in the assignment of separations to Error DRGs is evident between the States and Territories. This is partly attributable to some States and Territories providing data in ICD-9-CM and others in ICD-10-AM. For example, no separations were assigned to Group 1 Error DRGs for Queensland, Western Australia, South Australia and Tasmania, for the principal procedure *Arteriovenous anastomosis of upper limb* (ICD-10-AM code 34509-01) (Table 10.16). In this case, *Arteriovenous anastomosis of upper limb* is not included in the historical forward maps, which map ICD-9-CM codes to ICD-10-AM. The most likely ICD-9-CM code for this procedure (39.29, *Other vascular shunt bypass*) maps forward to ICD-10-AM code 32763-00, *Other arterial bypass using vein*.

There were more separations assigned to Group 1 Error DRGs for the four ICD-9-CM States than for the jurisdictions that submitted data in ICD-10-AM for the principal procedure *Repair of wound of eyelid* (ICD-10-AM code 30052-01). This is most likely because more specific codes exist for this procedure in ICD-9-CM. The ICD-9-CM codes 08.81 (*Linear repair of laceration of eyelid or eyebrow*) to 08.85 (*Other repair of laceration of eyelid, full-thickness*) all map forward to ICD-10-AM code 30052-01. Thus, for the ICD-9-CM States, separations assigned to Group 1 Error DRGs, with a procedure code between 08.81 and 08.85 would be included here.

Figure 10.3 shows Error DRGs as a percentage of all separations, by State and Territory. Group 3 Error DRGs accounted for the lowest proportion of separations assigned to Error DRGs, while Group 1 Error DRGs accounted for the highest proportion.

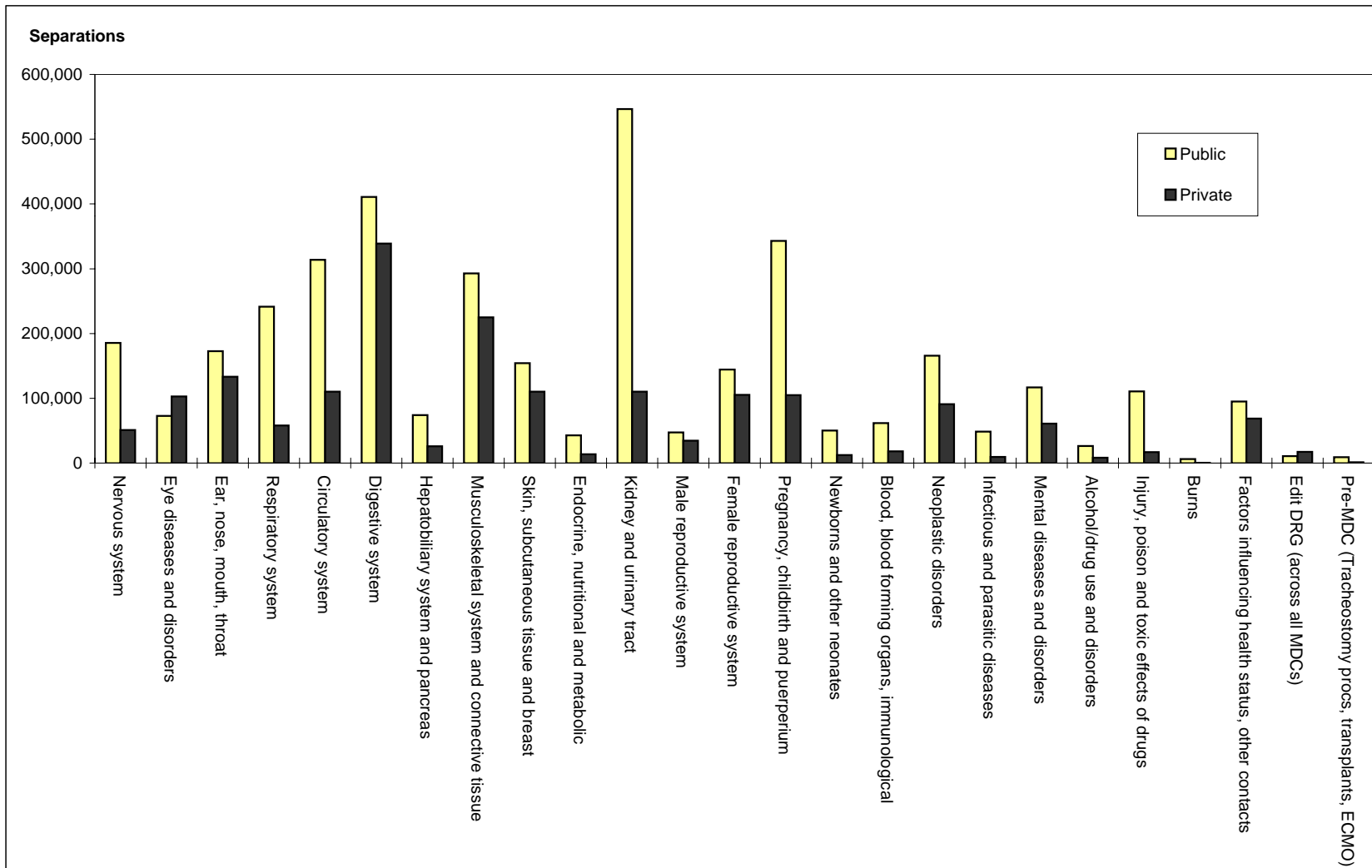


Figure 10.1: Separations by Major Diagnostic Category and hospital sector, Australia, 1997-98

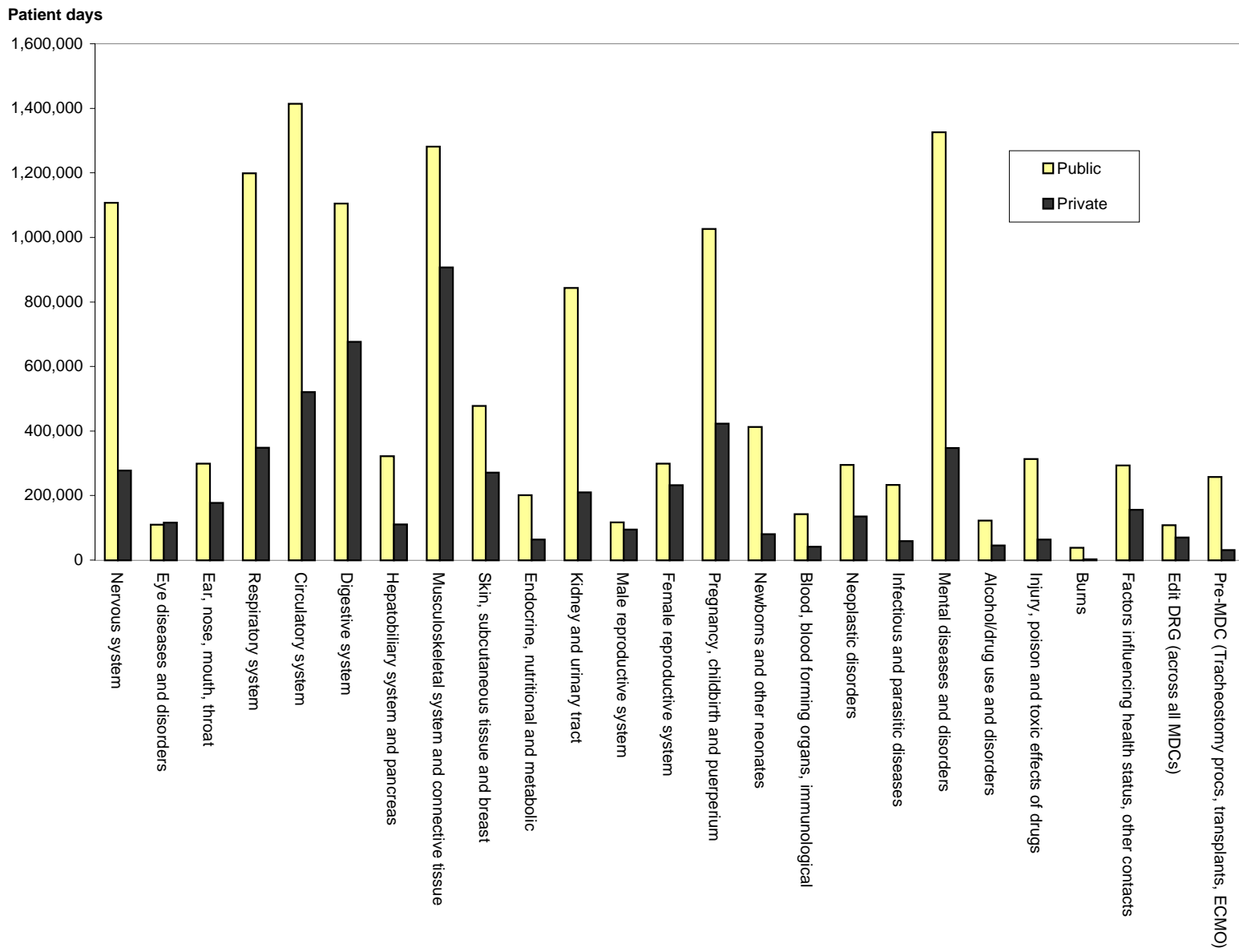


Figure 10.2: Patient days by Major Diagnostic Category and hospital sector, Australia, 1997-98

Table 10.1: Separation, same day separation, patient day, average length of stay and cost statistics by Major Diagnostic Category, public hospitals^(a), Australia, 1998–99

Major Diagnostic Category	Separations	Same day separations	Per cent same day separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	(days) excluding same day	Cost by volume (\$'000)
01 Diseases and disorders of the nervous system	185,572	53,919	29.1	98.4	1,107,149	587.3	6.0	8.0	640,560
02 Diseases and disorders of the eye	72,940	51,028	70.0	38.7	109,721	58.2	1.5	2.7	139,923
03 Diseases and disorders of the ear, nose, mouth and throat	172,796	76,840	44.5	91.7	298,792	158.5	1.7	2.3	266,741
04 Diseases and disorders of the respiratory system	241,363	31,506	13.1	128.0	1,198,323	635.7	5.0	5.6	726,049
05 Diseases and disorders of the circulatory system	313,583	62,962	20.1	166.3	1,414,273	750.2	4.5	5.4	1,212,997
06 Diseases and disorders of the digestive system	410,796	196,043	47.7	217.9	1,105,035	586.2	2.7	4.2	815,222
07 Diseases and disorders of the hepatobiliary system and pancreas	74,065	12,962	17.5	39.3	321,899	170.8	4.3	5.1	260,032
08 Diseases and disorders of the musculoskeletal system and connective tissue	292,678	98,906	33.8	155.3	1,281,275	679.7	4.4	6.1	1,045,549
09 Diseases and disorders of the skin, subcutaneous tissue and breast	154,089	78,283	50.8	81.7	478,029	253.6	3.1	5.3	321,691
10 Endocrine, nutritional and metabolic diseases and disorders	42,690	9,067	21.2	22.6	201,084	106.7	4.7	5.7	131,208
11 Diseases and disorders of the kidney and urinary tract	546,695	469,802	85.9	290.0	843,275	447.3	1.5	4.9	493,166
12 Diseases and disorders of the male reproductive system	47,342	25,393	53.6	25.1	116,445	61.8	2.5	4.1	94,990
13 Diseases and disorders of the female reproductive system	144,334	89,949	62.3	76.6	299,190	158.7	2.1	3.8	255,047
14 Pregnancy, childbirth and puerperium	342,792	79,197	23.1	181.8	1,026,386	544.5	3.0	3.6	738,103
15 Newborns and other neonates	50,290	4,863	9.7	26.7	412,248	218.7	8.2	9.0	285,191
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	61,663	39,623	64.3	32.7	142,267	75.5	2.3	4.7	97,763
17 Neoplastic disorders (haematological and solid neoplasms)	165,764	146,373	88.3	87.9	294,748	156.4	1.8	7.7	216,146
18 Infectious and parasitic diseases	48,549	9,246	19.0	25.8	233,253	123.7	4.8	5.7	157,171
19 Mental diseases and disorders	116,947	31,282	26.7	62.0	1,325,481	703.1	11.3	15.1	421,048
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	26,161	5,331	20.4	13.9	122,277	64.9	4.7	5.6	51,556
21 Injuries, poisoning and toxic effects of drugs	110,636	39,722	35.9	58.7	313,438	166.3	2.8	3.9	258,149
22 Burns	6,339	1,523	24.0	3.4	38,344	20.3	6.0	7.6	37,970
23 Factors influencing health status and other contacts with health services	95,058	64,939	68.3	50.4	293,462	155.7	3.1	7.6	151,402
ED Error DRGs	10,665	3,155	29.6	5.7	107,836	57.2	10.1	13.9	64,677
PR Pre-MDC (tracheostomies, transplants, ECMO)	8,933	209	2.3	4.7	257,332	136.5	28.8	29.5	408,981
Total	3,742,740	1,682,123	44.9	1985.4	13,341,562	7,077.3	3.6	5.7	9,291,331

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

Note: Abbreviations: ALOS—Average length of stay, MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, 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^(a), Australia, 1998–99

Major Diagnostic Category	Separations	Same day separations	Per cent same day separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	(days) excluding same day	Cost by volume (\$'000)
01 Diseases and disorders of the nervous system	50,892	16,946	33.3	27.0	277,615	147.3	5.5	7.7	126,656
02 Diseases and disorders of the eye	102,986	77,216	75.0	54.6	116,376	61.7	1.1	1.5	149,495
03 Diseases and disorders of the ear, nose, mouth and throat	133,332	77,765	58.3	70.7	177,285	94.0	1.3	1.8	158,752
04 Diseases and disorders of the respiratory system	57,948	4,361	7.5	30.7	348,257	184.7	6.0	6.4	122,229
05 Diseases and disorders of the circulatory system	110,344	19,766	17.9	58.5	521,011	276.4	4.7	5.5	358,782
06 Diseases and disorders of the digestive system	339,028	248,204	73.2	179.8	676,090	358.6	2.0	4.7	382,246
07 Diseases and disorders of the hepatobiliary system and pancreas	26,099	2,326	8.9	13.8	110,313	58.5	4.2	4.5	69,243
08 Diseases and disorders of the musculoskeletal system and connective tissue	225,086	83,480	37.1	119.4	906,510	480.9	4.0	5.8	641,702
09 Diseases and disorders of the skin, subcutaneous tissue and breast	110,291	67,015	60.8	58.5	270,907	143.7	2.5	4.7	179,299
10 Endocrine, nutritional and metabolic diseases and disorders	13,713	2,655	19.4	7.3	63,701	33.8	4.6	5.5	35,153
11 Diseases and disorders of the kidney and urinary tract	110,029	80,944	73.6	58.4	209,542	111.2	1.9	4.4	104,732
12 Diseases and disorders of the male reproductive system	34,477	17,037	49.4	18.3	94,766	50.3	2.7	4.5	53,065
13 Diseases and disorders of the female reproductive system	105,137	69,583	66.2	55.8	232,253	123.2	2.2	4.6	157,075
14 Pregnancy, childbirth and puerperium	104,942	30,944	29.5	55.7	423,181	224.5	4.0	5.3	214,779
15 Newborns and other neonates	12,258	1,516	12.4	6.5	80,060	42.5	6.5	7.3	35,905
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	17,982	10,743	59.7	9.5	41,151	21.8	2.3	4.2	19,393
17 Neoplastic disorders (haematological and solid neoplasms)	90,827	82,879	91.2	48.2	134,765	71.5	1.5	6.5	72,931
18 Infectious and parasitic diseases	9,631	1,112	11.5	5.1	58,489	31.0	6.1	6.7	20,662
19 Mental diseases and disorders	60,762	40,456	66.6	32.2	346,956	184.0	5.7	15.1	65,088
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	8,068	3,787	46.9	4.3	44,928	23.8	5.6	9.6	9,454
21 Injuries, poisoning and toxic effects of drugs	16,972	4,585	27.0	9.0	63,614	33.7	3.7	4.8	31,940
22 Burns	368	67	18.2	0.2	2,312	1.2	6.3	7.5	923
23 Factors influencing health status and other contacts with health services	68,482	55,957	81.7	36.3	155,720	82.6	2.3	8.0	71,761
ED Error DRGs	17,203	9,153	53.2	9.1	69,782	37.0	4.1	7.5	44,458
PR Pre-MDC (tracheostomies, transplants, ECMO)	1,147	37	3.2	0.6	30,819	16.3	26.9	27.7	44,262
Total	1,828,004	1,008,534	55.2	979.6	5,456,403	2,924.1	3.0	5.4	3,169,982

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

Table 10.3: Separations by Major Diagnostic Category, public hospitals^(a), States and Territories, 1998–99

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Diseases and disorders of the nervous system	62,868	47,107	32,170	18,418	17,228	3,817	2,451	1,513	185,572
02 Diseases and disorders of the eye	24,616	19,420	11,220	8,015	7,797	634	578	660	72,940
03 Diseases and disorders of the ear, nose, mouth and throat	54,237	43,164	33,925	16,513	17,344	3,014	2,624	1,975	172,796
04 Diseases and disorders of the respiratory system	89,502	52,794	43,692	20,299	24,396	4,170	2,701	3,809	241,363
05 Diseases and disorders of the circulatory system	114,272	75,169	56,186	24,897	29,357	6,697	4,653	2,352	313,583
06 Diseases and disorders of the digestive system	145,193	95,279	73,311	41,400	38,110	7,837	5,761	3,905	410,796
07 Diseases and disorders of the hepatobiliary system and pancreas	27,047	18,353	13,107	6,129	6,284	1,312	1,104	729	74,065
08 Diseases and disorders of the musculoskeletal system and connective tissue	100,146	70,432	54,399	27,395	26,362	6,447	4,357	3,140	292,678
09 Diseases and disorders of the skin, subcutaneous tissue and breast	48,152	34,219	32,807	14,441	17,444	3,331	1,788	1,907	154,089
10 Endocrine, nutritional and metabolic diseases and disorders	13,097	11,244	8,279	3,518	4,199	1,228	531	594	42,690
11 Diseases and disorders of the kidney and urinary tract	162,284	157,294	86,811	56,526	40,345	12,000	12,383	19,052	546,695
12 Diseases and disorders of the male reproductive system	17,014	12,956	6,353	4,609	4,540	888	506	476	47,342
13 Diseases and disorders of the female reproductive system	44,393	40,028	26,256	13,298	14,593	2,450	1,776	1,540	144,334
14 Pregnancy, childbirth and puerperium	114,176	87,362	61,452	28,340	32,792	7,273	4,940	6,457	342,792
15 Newborns and other neonates	16,951	13,635	8,566	3,226	4,927	947	867	1,171	50,290
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	18,658	15,993	9,739	6,403	7,730	1,879	913	348	61,663
17 Neoplastic disorders (haematological and solid neoplasms)	42,300	49,226	31,447	16,489	15,815	4,982	5,164	341	165,764
18 Infectious and parasitic diseases	18,069	10,764	9,621	4,254	3,700	984	493	664	48,549
19 Mental diseases and disorders	34,732	29,060	21,917	13,704	12,356	3,576	901	701	116,947
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	10,994	4,022	5,754	2,992	1,701	331	137	230	26,161
21 Injuries, poisoning and toxic effects of drugs	34,389	23,394	29,015	10,723	8,883	1,840	1,014	1,378	110,636
22 Burns	1,937	1,207	1,457	786	652	126	47	127	6,339
23 Factors influencing health status and other contacts with health services	27,475	23,613	19,939	8,797	10,483	2,389	1,523	839	95,058
ED Error DRGs	4,143	3,377	872	811	612	358	145	347	10,665
PR Pre-MDC (tracheostomies, transplants, ECMO)	2,805	2,483	1,564	740	878	189	174	100	8,933
Total	1,229,450	941,595	679,859	352,723	348,528	78,699	57,531	54,355	3,742,740

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

Table 10.4: Separations by Major Diagnostic Category, private^(a) hospitals, States and Territories, 1998–99

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Diseases and disorders of the nervous system	11,815	13,659	12,749	5,812	4,746	n.p.	n.p.	n.a.	50,892
02 Diseases and disorders of the eye	38,516	20,302	25,265	9,243	5,958	n.p.	n.p.	n.a.	102,986
03 Diseases and disorders of the ear, nose, mouth and throat	39,576	33,473	26,362	15,142	13,943	n.p.	n.p.	n.a.	133,332
04 Diseases and disorders of the respiratory system	13,587	15,416	16,143	5,510	5,318	n.p.	n.p.	n.a.	57,948
05 Diseases and disorders of the circulatory system	30,209	31,083	25,920	10,123	9,612	n.p.	n.p.	n.a.	110,344
06 Diseases and disorders of the digestive system	106,869	92,219	79,847	28,315	22,855	n.p.	n.p.	n.a.	339,028
07 Diseases and disorders of the hepatobiliary system and pancreas	7,585	6,373	6,036	2,718	2,270	n.p.	n.p.	n.a.	26,099
08 Diseases and disorders of the musculoskeletal system and connective tissue	68,007	55,865	40,144	26,833	24,082	n.p.	n.p.	n.a.	225,086
09 Diseases and disorders of the skin, subcutaneous tissue and breast	35,307	26,531	24,427	9,553	10,884	n.p.	n.p.	n.a.	110,291
10 Endocrine, nutritional and metabolic diseases and disorders	3,559	3,801	3,026	1,451	1,381	n.p.	n.p.	n.a.	13,713
11 Diseases and disorders of the kidney and urinary tract	30,239	31,408	23,905	8,517	13,263	n.p.	n.p.	n.a.	110,029
12 Diseases and disorders of the male reproductive system	11,589	9,276	6,080	3,505	2,207	n.p.	n.p.	n.a.	34,477
13 Diseases and disorders of the female reproductive system	35,150	27,228	21,302	9,974	6,921	n.p.	n.p.	n.a.	105,137
14 Pregnancy, childbirth and puerperium	37,662	23,793	18,678	14,284	5,820	n.p.	n.p.	n.a.	104,942
15 Newborns and other neonates	3,618	3,159	1,841	1,409	586	n.p.	n.p.	n.a.	12,258
16 Diseases and disorders of the blood and blood forming organs, and immunological disorders	3,872	4,915	5,351	1,860	1,430	n.p.	n.p.	n.a.	17,982
17 Neoplastic disorders (haematological and solid neoplasms)	17,164	29,144	26,139	9,131	7,584	n.p.	n.p.	n.a.	90,827
18 Infectious and parasitic diseases	2,339	2,135	2,800	1,129	808	n.p.	n.p.	n.a.	9,631
19 Mental diseases and disorders	12,377	22,913	10,413	11,276	1,215	n.p.	n.p.	n.a.	60,762
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	1,732	3,426	1,828	714	152	n.p.	n.p.	n.a.	8,068
21 Injuries, poisoning and toxic effects of drugs	3,589	4,198	4,074	2,477	1,878	n.p.	n.p.	n.a.	16,972
22 Burns	84	83	88	52	51	n.p.	n.p.	n.a.	368
23 Factors influencing health status and other contacts with health services	22,803	16,207	18,333	4,948	4,347	n.p.	n.p.	n.a.	68,482
ED Error DRGs	3,510	11,626	1,055	402	380	n.p.	n.p.	n.a.	17,203
PR Pre-MDC (tracheostomies, transplants, ECMO)	242	299	378	76	127	n.p.	n.p.	n.a.	1,147
Total	541,000	488,532	402,184	184,454	147,818	n.p.	n.p.	n.a.	1,828,004

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

n.a. not available.

n.p. not published.

Table 10.5: Patient days by Major Diagnostic Category, public hospitals^(a), States and Territories, 1998–99

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Diseases and disorders of the nervous system	366,994	269,636	183,707	144,781	97,413	22,870	13,421	8,327	1,107,149
02 Diseases and disorders of the eye	40,168	25,391	17,693	12,437	10,583	1,137	959	1,353	109,721
03 Diseases and disorders of the ear, nose, mouth and throat	102,280	68,392	55,141	28,477	30,430	5,650	4,503	3,919	298,792
04 Diseases and disorders of the respiratory system	465,486	261,043	202,068	97,022	113,892	23,593	15,157	20,062	1,198,323
05 Diseases and disorders of the circulatory system	549,434	317,750	244,994	107,976	128,664	31,595	22,363	11,497	1,414,273
06 Diseases and disorders of the digestive system	414,101	253,152	179,464	105,456	102,589	21,201	15,963	13,109	1,105,035
07 Diseases and disorders of the hepatobiliary system and pancreas	125,422	78,126	51,390	25,895	25,497	6,766	4,899	3,904	321,899
08 Diseases and disorders of the musculoskeletal system and connective tissue	477,297	292,866	211,261	126,475	105,750	28,685	21,963	16,978	1,281,275
09 Diseases and disorders of the skin, subcutaneous tissue and breast	173,538	108,593	84,750	43,595	45,969	9,016	4,833	7,735	478,029
10 Endocrine, nutritional and metabolic diseases and disorders	65,220	47,997	38,229	17,380	19,192	5,114	2,575	5,377	201,084
11 Diseases and disorders of the kidney and urinary tract	274,335	221,721	141,734	81,766	65,701	17,790	16,794	23,434	843,275
12 Diseases and disorders of the male reproductive system	44,469	29,637	16,144	9,519	10,967	2,594	1,881	1,234	116,445
13 Diseases and disorders of the female reproductive system	99,429	76,376	51,155	30,113	29,303	5,433	4,512	2,869	299,190
14 Pregnancy, childbirth and puerperium	360,534	253,187	171,987	94,772	87,284	20,784	16,982	20,856	1,026,386
15 Newborns and other neonates	129,372	108,443	75,037	32,337	37,588	10,026	9,617	9,828	412,248
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	48,899	35,169	21,688	13,197	15,916	3,678	2,367	1,353	142,267
17 Neoplastic disorders (haematological and solid neoplasms)	92,600	79,757	51,825	26,230	28,442	7,148	7,798	948	294,748
18 Infectious and parasitic diseases	85,402	58,315	41,772	20,195	15,826	4,768	2,848	4,127	233,253
19 Mental diseases and disorders	509,425	274,548	209,022	171,406	111,882	31,965	10,932	6,301	1,325,481
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	56,392	16,043	23,843	14,722	7,837	1,879	559	1,002	122,277
21 Injuries, poisoning and toxic effects of drugs	102,287	66,823	70,931	30,657	25,954	6,457	4,656	5,673	313,438
22 Burns	11,612	7,499	7,176	5,803	3,930	1,083	284	957	38,344
23 Factors influencing health status and other contacts with health services	89,085	75,043	51,947	19,556	34,552	12,750	5,821	4,708	293,462
ED Error DRGs	34,454	30,931	7,320	8,894	6,455	15,869	1,579	2,334	107,836
PR Pre-MDC (tracheostomies, transplants, ECMO)	83,769	67,411	46,115	20,472	25,819	4,597	6,061	3,088	257,332
Total	4,802,004	3,123,849	2,256,393	1,289,133	1,187,435	302,448	199,327	180,973	13,341,562

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

Table 10.6: Patient days by Major Diagnostic Category, private hospitals^(a), States and Territories, 1998–99

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
01 Diseases and disorders of the nervous system	63,338	79,660	72,303	23,337	26,867	9,674	2,436	n.a.	277,615
02 Diseases and disorders of the eye	42,313	22,852	28,477	11,333	6,823	3,499	1,079	n.a.	116,376
03 Diseases and disorders of the ear, nose, mouth and throat	50,376	44,761	35,834	20,224	19,301	4,555	2,234	n.a.	177,285
04 Diseases and disorders of the respiratory system	73,785	95,726	101,674	32,164	31,348	9,684	3,876	n.a.	348,257
05 Diseases and disorders of the circulatory system	133,721	150,159	136,466	42,951	44,790	11,143	1,781	n.a.	521,011
06 Diseases and disorders of the digestive system	186,158	182,427	165,828	64,847	54,699	17,655	4,476	n.a.	676,090
07 Diseases and disorders of the hepatobiliary system and pancreas	29,488	28,855	26,226	10,997	10,199	3,394	1,154	n.a.	110,313
08 Diseases and disorders of the musculoskeletal system and connective tissue	264,961	224,432	186,477	99,491	87,800	31,835	11,514	n.a.	906,510
09 Diseases and disorders of the skin, subcutaneous tissue and breast	81,114	69,866	59,782	25,108	25,000	7,952	2,085	n.a.	270,907
10 Endocrine, nutritional and metabolic diseases and disorders	14,692	17,500	16,039	6,047	6,729	2,280	414	n.a.	63,701
11 Diseases and disorders of the kidney and urinary tract	54,227	58,442	48,451	17,788	22,003	6,228	2,403	n.a.	209,542
12 Diseases and disorders of the male reproductive system	30,134	24,362	18,371	8,774	6,804	4,087	2,234	n.a.	94,766
13 Diseases and disorders of the female reproductive system	71,455	58,977	44,404	25,314	19,767	7,441	4,895	n.a.	232,253
14 Pregnancy, childbirth and puerperium	130,717	107,356	81,984	55,307	27,001	12,489	8,327	n.a.	423,181
15 Newborns and other neonates	23,234	18,449	14,815	11,094	3,390	2,137	6,941	n.a.	80,060
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	8,367	11,433	11,797	4,345	3,919	994	296	n.a.	41,151
17 Neoplastic disorders (haematological and solid neoplasms)	26,871	41,729	39,477	12,387	11,026	1,910	1,365	n.a.	134,765
18 Infectious and parasitic diseases	12,871	15,027	16,870	6,166	4,898	2,151	506	n.a.	58,489
19 Mental diseases and disorders	78,750	107,385	88,223	43,025	15,478	9,114	4,981	n.a.	346,956
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	11,688	17,080	9,686	4,183	944	1,208	139	n.a.	44,928
21 Injuries, poisoning and toxic effects of drugs	13,836	17,891	14,938	7,705	6,146	2,294	804	n.a.	63,614
22 Burns	705	512	473	311	211	39	61	n.a.	2,312
23 Factors influencing health status and other contacts with health services	48,457	33,326	35,148	9,400	20,972	6,720	1,697	n.a.	155,720
ED Error DRGs	10,227	44,021	9,208	2,774	2,239	849	464	n.a.	69,782
PR Pre-MDC (tracheostomies, transplants, ECMO)	5,445	8,111	10,060	1,802	4,534	749	118	n.a.	30,819
Total	1,466,930	1,480,339	1,273,011	546,874	462,888	160,081	66,280	n.a.	5,456,403

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

Note: Abbreviations: MDC—Major Diagnostic Category, DRG—Diagnosis Related Group, 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 AR-DRGs version 4.0/4.1 with the highest number of separations, public hospitals^(a), Australia, 1998–99

AR-DRG	Separations	Same day separations	Per cent same day separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)	Rank by patient days
L61Z Admit for Renal Dialysis	422,846	422,115	99.8	224.3	423,647	224.7	1.0	186,898	1
R63Z Chemotherapy	122,355	122,005	99.7	64.9	122,970	65.2	1.0	74,147	12
O60D Vaginal Delivery W/O Complicating Diagnosis	110,375	3,853	3.5	58.6	340,976	180.9	3.1	252,980	3
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	64,590	64,590	100.0	34.3	64,590	34.3	1.0	45,084	34
G44C Other Colonoscopy, Sameday	60,027	60,027	100.0	31.8	60,027	31.8	1.0	47,962	39
O65B diagnosis	40,164	17,402	43.3	21.3	69,697	37.0	1.7	42,855	32
G67B Oesophagitis, gastroent, misc dig systm disders age>9 w/o cat/sev	39,869	12,150	30.5	21.1	86,633	46.0	2.2	47,045	22
E69C Bronchitis and Asthma Age<50 W/O CC	39,276	6,350	16.2	20.8	77,159	40.9	2.0	50,980	29
F74Z Chest Pain	37,565	12,106	32.2	19.9	71,699	38.0	1.9	50,562	31
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	37,438	28,247	75.5	19.9	40,242	21.3	1.1	33,807	70
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	36,620	31,401	85.7	19.4	47,995	25.5	1.3	48,558	60
C08Z Major Lens Procedures	33,142	27,522	83.0	17.6	35,557	18.9	1.1	65,091	83
Z64B Other Factors Influencing Health Status Age<80	30,032	17,689	58.9	15.9	101,142	53.7	3.4	43,036	17
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	29,522	10,076	34.1	15.7	49,923	26.5	1.7	29,994	49
Z40Z Follow Up After Completed Treatment W Endoscopy	29,343	28,213	96.1	15.6	30,083	16.0	1.0	24,325	104
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	29,238	22,088	75.5	15.5	43,383	23.0	1.5	27,571	65
N09Z Conisation, Vagina, Cervix and Vulva Procedures	27,872	24,081	86.4	14.8	32,882	17.4	1.2	26,952	94
X60C Injuries Age < 65	27,268	15,022	55.1	14.5	40,157	21.3	1.5	27,077	71
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or Age<60	26,972	3,227	12.0	14.3	106,352	56.4	3.9	59,177	16
F72B Unstable Angina W/O Catastrophic or Severe CC	25,845	2,878	11.1	13.7	84,609	44.9	3.3	57,298	25
X62B Poisoning/toxic effects of drug, other substances age<60 w/o CC	25,511	10,348	40.6	13.5	36,803	19.5	1.4	26,404	80
U60Z Mental Health Treatment, Sameday, W/O ECT	25,448	25,448	100.0	13.5	25,448	13.5	1.0	12,851	139
E62C Respiratry Infectn/Inflammations W/O CC	25,039	2,059	8.2	13.3	96,157	51.0	3.8	55,336	19
F62B Heart Failure and Shock W/O Catastrophic CC	24,977	2,090	8.4	13.2	150,720	80.0	6.0	81,175	9
N08Z Endoscopic Procedures for Female Reproductive System	24,825	21,464	86.5	13.2	27,382	14.5	1.1	32,273	126
D40Z Dental Extraction and Restorations	24,553	22,428	91.3	13.0	26,126	13.9	1.1	33,466	132
D63B Otitis Media and URI W/O CC	24,103	5,620	23.3	12.8	46,411	24.6	1.9	28,176	62
O65A Other Antenatal Admission W Severe Complicating Diagnosis	23,341	10,180	43.6	12.4	55,008	29.2	2.4	29,106	42
D11Z Tonsillectomy or Adenoidectomy	23,172	3,669	15.8	12.3	28,468	15.1	1.2	32,232	114
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	23,043	21,189	92.0	12.2	24,706	13.1	1.1	20,416	145
Other	2,228,369	626,586	28.1	1,182.1	10,894,610	5,779.3	4.9	7,718,911	..
Total	3,742,740	1,682,123	44.9	1,985.4	13,341,562	7,077.3	3.6	9,291,331	..

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

Note: 1. Main abbreviations: ALOS—average length of stay, W—with, W/O—without, CC—complications and comorbidities.

2. Similar tables for all AR-DRGs are provided on the Internet at <http://www.aihw.gov.au/publications/health/ahs98-9.html> for Australia and each State and Territory.

.. not applicable.

Table 10.8: Separation, same day separation, patient day, average length of stay and cost statistics for the 30 AR-DRGs version 4.0/4.1 with the highest number of separations, private hospitals^(a), Australia, 1998–99

AR-DRG	Separations	Same day separations	Per cent same day separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)	Rank by patient days
G44C Other Colonoscopy, Sameday	119,459	119,459	100.0	63.4	119,459	63.4	1.0	79,201	2
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	89,032	89,032	100.0	47.2	89,032	47.2	1.0	51,282	5
R63Z Chemotherapy	74,658	74,378	99.6	39.6	74,995	39.8	1.0	47,035	7
C08Z Major Lens Procedures	63,202	47,283	74.8	33.5	67,556	35.8	1.1	91,896	9
L61Z Admit for Renal Dialysis	52,696	52,669	99.9	28.0	52,748	28.0	1.0	18,971	13
D40Z Dental Extraction and Restorations	51,843	44,201	85.3	27.5	53,091	28.2	1.0	54,435	12
I18Z Knee Procedures	50,490	31,736	62.9	26.8	65,824	34.9	1.3	70,232	11
U60Z Mental Health Treatment, Sameday, W/O ECT	39,085	39,085	100.0	20.7	39,085	20.7	1.0	9,341	20
Z40Z Follow Up After Completed Treatment W Endoscopy	38,222	36,704	96.0	20.3	38,923	20.6	1.0	24,806	21
O60D Vaginal Delivery W/O Complicating Diagnosis	31,829	165	0.5	16.9	158,150	83.9	5.0	73,620	1
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	31,085	27,147	87.3	16.5	37,582	19.9	1.2	33,447	26
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	27,244	22,543	82.7	14.5	32,774	17.4	1.2	34,327	34
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	25,950	24,349	93.8	13.8	26,329	14.0	1.0	23,952	46
F42B Circ disorders W/O AMI W invas card inves proc W/O complex dx/pr	19,544	8,021	41.0	10.4	30,179	16.0	1.5	34,397	38
G09Z Inguinal and Femoral Hernia Procedures Age>0	18,300	1,694	9.3	9.7	38,194	20.3	2.1	30,195	24
D11Z Tonsillectomy or Adenoidectomy	17,678	3,597	20.3	9.4	20,197	10.7	1.1	18,297	73
G42B Other Gastroscopy for Major Digestive Disease, Sameday	16,788	16,788	100.0	8.9	16,788	8.9	1.0	10,157	87
J10Z Skin, Subcutaneous Tissue and Breast Plastic O.R. Procedures	15,684	9,464	60.3	8.3	23,142	12.3	1.5	26,882	58
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	15,671	14,638	93.4	8.3	16,171	8.6	1.0	11,785	93
I68C Non-surg neck & back conditions w pain management proc/myelogr:	15,531	10,123	65.2	8.2	30,551	16.2	2.0	17,814	37
L41Z Cystourethroscopy W/O CC	15,513	12,641	81.5	8.2	18,090	9.6	1.2	14,318	79
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	14,916	7,727	51.8	7.9	27,207	14.4	1.8	17,675	44
I16Z Other Shoulder Procedures	14,149	1,133	8.0	7.5	32,511	17.2	2.3	29,076	35
I26Z Other Wrist and Hand Procedures	13,705	8,499	62.0	7.3	17,090	9.1	1.2	17,954	83
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	13,594	55	0.4	7.2	37,362	19.8	2.7	34,094	27
N04Z Hysterectomy for Non-Malignancy	13,137	31	0.2	7.0	74,845	39.7	5.7	40,738	8
J08B Other Skin graft and/or Debridement Procs w/o cat/severe CC	12,906	9,243	71.6	6.8	19,234	10.2	1.5	18,094	76
D13Z Myringotomy W Tube Insertion	12,374	12,158	98.3	6.6	12,457	6.6	1.0	9,194	117
N09Z Conisation, Vagina, Cervix and Vulva Procedures	12,126	10,676	88.0	6.4	14,000	7.4	1.2	10,137	106
I23Z Local excision & removal of internal fixation device excl hip, femur	11,852	7,107	60.0	6.3	16,425	8.7	1.4	15,099	89
Other	879,741	266,191	30.3	466.7	4,156,412	2,204.9	4.7	2,201,529	..
Total	1,828,004	1,008,537	55.2	979.6	5,456,403	2,924.1	3.0	3,169,982	..

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

Note: 1. Main abbreviations: ALOS—average length of stay, W—with, W/O—without, CC—complications and comorbidities.

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/ahs98-9.html>

.. not applicable

Table 10.9: Separations for the 30 AR-DRGs version 4.0/4.1 with the highest number of separations^(a), public hospitals, States and Territories 1998–99

AR-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
L61Z Admit for Renal Dialysis	119,087	127,435	64,282	44,427	29,156	9,736	10,937	17,786	422,846
R63Z Chemotherapy	29,466	36,096	23,490	13,292	11,553	4,024	4,175	259	122,355
O60D Vaginal Delivery W/O Complicating Diagnosis	41,384	27,411	19,851	8,879	7,337	1,990	2,027	1,496	110,375
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	20,050	16,428	11,448	7,484	5,867	1,583	1,086	644	64,590
G44C Other Colonoscopy, Sameday	21,342	12,515	10,634	7,785	5,060	1,191	1,062	438	60,027
O65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	11,072	10,480	8,783	3,219	4,360	934	332	984	40,164
G67B Oesophagitis, Gastroent and Misc Digestive Systm Disorders Age>9 W/O Cat/Sev CC	14,948	8,026	7,920	3,621	4,250	635	220	249	39,869
E69C Bronchitis and Asthma Age<50 W/O CC	15,248	7,535	7,168	3,939	4,128	436	427	395	39,276
F74Z Chest Pain	15,357	8,996	6,690	1,971	3,378	368	401	404	37,565
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	10,358	10,652	4,113	2,773	7,033	900	359	1,250	37,438
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	10,618	7,729	9,138	3,361	4,297	756	501	220	36,620
C08Z Major Lens Procedures	11,981	9,143	4,210	3,562	3,703	68	283	192	33,142
Z64B Other Factors Influencing Health Status Age<80	7,686	7,409	6,514	2,719	3,905	895	496	408	30,032
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	11,266	6,952	5,664	2,464	2,215	472	292	197	29,522
Z40Z Follow Up After Completed Treatment W Endoscopy	9,027	7,062	5,492	3,360	3,085	645	499	173	29,343
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	8,692	8,256	4,007	2,940	3,844	1,016	370	113	29,238
N09Z Conisation, Vagina, Cervix and Vulva Procedures	7,161	7,637	6,954	1,732	3,223	503	317	345	27,872
X60C Injuries Age < 65	7,983	4,303	10,305	2,273	1,462	289	103	550	27,268
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or Age<60	8,747	5,121	6,691	2,915	1,835	544	269	850	26,972
F72B Unstable Angina W/O Catastrophic or Severe CC	9,249	6,784	5,484	1,289	1,867	604	299	269	25,845
X62B Poisoning/Toxic Effects of Drugs & Other Substances Age<60 W/O CC	7,773	5,792	6,189	2,635	2,276	457	211	178	25,511
U60Z Mental Health Treatment, Sameday, W/O ECT	9,155	4,731	4,149	4,342	2,732	216	68	55	25,448
E62C Respiratry Infectn/Inflammations W/O CC	10,348	4,650	4,440	2,060	1,954	368	429	790	25,039
F62B Heart Failure and Shock W/O Catastrophic CC	9,485	6,414	3,840	2,004	2,348	456	220	210	24,977
N08Z Endoscopic Procedures for Female Reproductive System	7,619	6,418	4,039	3,065	2,454	504	337	389	24,825
D40Z Dental Extraction and Restorations	6,155	6,905	5,581	2,369	1,917	833	423	370	24,553
D63B Otitis Media and URI W/O CC	9,452	3,701	5,288	2,417	2,187	390	363	305	24,103
O65A Other Antenatal Admission W Severe Complicating Diagnosis	8,581	7,342	2,855	1,183	2,341	351	224	464	23,341
D11Z Tonsillectomy or Adenoidectomy	7,536	6,924	3,777	2,001	2,127	247	436	124	23,172
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	7,158	7,026	4,170	1,726	2,131	294	295	243	23,043
Other	755,466	545,722	406,693	204,916	214,503	46,994	30,070	24,005	2,228,369
Total	1,229,450	941,595	679,859	352,723	348,528	78,699	57,531	54,355	3,742,740

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

Table 10.10: Separations for the 30 AR-DRGs version 4.0/4.1 with the highest number of separations^(a) private hospitals, States and Territories, 1998–99

AR-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
G44C Other Colonoscopy, Sameday	40,398	32,200	27,994	9,100	7,391	2,219	157	n.a.	119,459
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	27,596	27,745	20,054	5,957	5,536	2,050	94	n.a.	89,032
R63Z Chemotherapy	14,222	23,851	20,795	8,132	6,475	468	715	n.a.	74,658
C08Z Major Lens Procedures	24,522	12,538	15,483	4,324	3,872	n.p.	n.p.	n.a.	63,202
L61Z Admit for Renal Dialysis	11,908	17,758	11,084	3,030	8,916	0	0	n.a.	52,696
D40Z Dental Extraction and Restorations	14,752	14,090	9,752	6,949	4,510	n.p.	n.p.	n.a.	51,843
I18Z Knee Procedures	17,609	12,539	6,886	5,620	5,935	1,145	756	n.a.	50,490
U60Z Mental Health Treatment, Sameday, W/O ECT	7,914	16,065	4,705	8,638	30	n.p.	n.p.	n.a.	39,085
Z40Z Follow Up After Completed Treatment W Endoscopy	15,407	9,589	7,445	2,937	1,894	853	97	n.a.	38,222
O60D Vaginal Delivery W/O Complicating Diagnosis	10,026	8,184	6,008	3,807	2,148	n.p.	n.p.	n.a.	31,829
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	11,485	6,839	6,299	2,482	3,064	728	188	n.a.	31,085
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	9,176	7,765	6,063	1,835	1,264	676	465	n.a.	27,244
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	14,656	3,670	2,210	4,205	749	340	120	n.a.	25,950
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex D)	7,384	4,458	4,110	1,843	1,429	n.p.	n.p.	n.a.	19,544
G09Z Inguinal and Femoral Hernia Procedures Age>0	6,049	4,521	3,596	1,879	1,432	530	293	n.a.	18,300
D11Z Tonsillectomy or Adenoidectomy	6,013	3,523	3,980	1,933	1,598	364	267	n.a.	17,678
G42B Other Gastroscopy for Major Digestive Disease, Sameday	5,895	4,999	3,675	1,088	924	n.p.	n.p.	n.a.	16,788
J10Z Skin, Subcutaneous Tissue and Breast Plastic O.R. Procedures	5,285	3,743	3,791	1,274	1,179	287	125	n.a.	15,684
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	5,340	4,267	2,629	1,401	1,331	387	316	n.a.	15,671
I68C Non-surgical Neck & Back Conditions W Pain Management Proc/Myelogram	3,390	3,317	1,898	3,756	2,037	n.p.	n.p.	n.a.	15,531
L41Z Cystourethroscopy W/O CC	6,074	3,827	2,734	1,379	805	508	186	n.a.	15,513
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	5,846	3,192	2,867	1,515	993	377	126	n.a.	14,916
I16Z Other Shoulder Procedures	4,582	3,381	2,223	1,705	1,799	229	230	n.a.	14,149
I26Z Other Wrist and Hand Procedures	4,262	3,772	2,391	1,358	1,379	369	174	n.a.	13,705
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	4,700	3,103	2,762	1,388	1,054	409	178	n.a.	13,594
N04Z Hysterectomy for Non-Malignancy	3,992	2,937	2,664	1,524	1,259	432	329	n.a.	13,137
J08B Other Skin Graft and/or Debridement Procedures W/O Catastrophic or Severe C	4,048	2,226	3,706	636	2,049	169	72	n.a.	12,906
D13Z Myringotomy W Tube Insertion	3,518	3,499	1,786	1,232	1,840	333	166	n.a.	12,374
N09Z Conisation, Vagina, Cervix and Vulva Procedures	4,313	3,273	2,206	916	883	362	173	n.a.	12,126
I23Z Local Excision and Removal of Internal Fixation Device Excl Hip and Femur	3,902	2,931	1,944	1,450	924	494	207	n.a.	11,852
Other	236,736	234,730	208,444	91,161	73,119	26,057	9,494	n.a.	879,741
Total	541,000	488,532	402,184	184,454	147,818	47,166	16,850	n.a.	1,828,004

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

n.a. not available.

n.p. not published.

Table 10.11: Average length of stay (days) for the 30 AR-DRGs version 4.0/4.1 with the highest number of separations, public hospitals^(a), States and Territories, 1998–99

AR-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
L61Z Admit for Renal Dialysis	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
R63Z Chemotherapy	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
O60D Vaginal Delivery W/O Complicating Diagnosis	3.1	3.2	2.8	3.2	3.1	3.1	2.9	3.7	3.1
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
G44C Other Colonoscopy, Sameday	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
O65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	1.9	1.6	1.6	2.1	1.5	1.6	2.5	1.7	1.7
G67B Oesophagitis, Gastroent and Misc Digestive System Disorders Age>9 W/O Cat/Sev CC	2.3	2.1	2.0	2.2	2.0	2.6	2.7	2.7	2.2
E69C Bronchitis and Asthma Age<50 W/O CC	2.0	1.8	2.0	2.0	2.1	2.0	2.3	2.2	2.0
F74Z Chest Pain	2.0	1.6	2.0	1.8	1.9	2.3	1.9	2.5	1.9
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.1	1.1
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	1.4	1.3	1.2	1.3	1.2	1.3	1.3	2.1	1.3
C08Z Major Lens Procedures	1.1	1.1	1.1	1.1	1.1	1.1	1.0	1.1	1.1
Z64B Other Factors Influencing Health Status Age<80	4.2	3.4	2.9	1.6	3.3	5.0	1.4	5.3	3.4
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	1.7	1.5	1.7	1.8	1.9	1.8	1.9	2.1	1.7
Z40Z Follow Up After Completed Treatment W Endoscopy	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	1.7	1.3	1.5	1.4	1.4	1.4	1.6	2.3	1.5
N09Z Conisation, Vagina, Cervix and Vulva Procedures	1.2	1.2	1.1	1.2	1.1	1.1	1.1	1.2	1.2
X60C Injuries Age < 65	1.6	1.4	1.3	1.8	1.5	1.7	2.5	2.3	1.5
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or Age<60	4.5	4.3	3.2	3.6	3.5	3.0	5.0	4.1	3.9
F72B Unstable Angina W/O Catastrophic or Severe CC	3.5	2.9	3.4	2.6	3.3	3.8	3.5	3.9	3.3
X62B Poisoning/Toxic Effects of Drugs & Other Substances Age<60 W/O CC	1.5	1.3	1.4	1.3	1.5	1.7	1.9	1.6	1.4
U60Z Mental Health Treatment, Sameday, W/O ECT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
E62C Respiratory Infectn/Inflammations W/O CC	4.0	3.7	3.6	3.5	3.8	4.1	3.8	4.4	3.8
F62B Heart Failure and Shock W/O Catastrophic CC	6.7	5.4	5.6	5.6	5.9	6.8	6.3	5.2	6.0
N08Z Endoscopic Procedures for Female Reproductive System	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1
D40Z Dental Extraction and Restorations	1.1	1.1	1.1	1.1	1.0	1.1	1.1	1.2	1.1
D63B Otitis Media and URI W/O CC	2.0	1.9	1.7	2.0	1.8	2.2	2.4	2.2	1.9
O65A Other Antenatal Admission W Severe Complicating Diagnosis	2.4	2.1	2.5	3.1	2.1	2.4	4.3	3.1	2.4
D11Z Tonsillectomy or Adenoidectomy	1.3	1.2	1.2	1.3	1.3	1.2	1.2	1.1	1.2
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	1.1	1.0	1.1	1.1	1.1	1.1	1.2	1.2	1.1
Other	5.2	4.6	4.5	5.2	4.6	5.3	5.3	5.5	4.9
Total	3.9	3.3	3.3	3.7	3.4	3.8	3.5	3.3	3.6

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

Table 10.12: Average length of stay (days) for the 30 AR-DRGs version 4.0/4.1 with the highest number of separations, private hospitals^(a), States and Territories, 1998–99

AR-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
G44C Other Colonoscopy, Sameday	1.0	1.0	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	1.0	1.0	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
R63Z Chemotherapy	1.0	1.0	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
C08Z Major Lens Procedures	1.1	1.0	1.1	1.2	1.0	n.p.	n.p.	n.a.	1.1
L61Z Admit for Renal Dialysis	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
D40Z Dental Extraction and Restorations	1.0	1.0	1.0	1.1	1.0	n.p.	n.p.	n.a.	1.1
I18Z Knee Procedures	1.2	1.3	1.3	1.4	1.4	1.3	1.2	n.a.	1.3
U60Z Mental Health Treatment, Sameday, W/O ECT	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.a.	1.0
Z40Z Follow Up After Completed Treatment W Endoscopy	1.0	1.0	1.0	1.0	1.0	1.0	1.1	n.a.	1.0
O60D Vaginal Delivery W/O Complicating Diagnosis	4.9	5.1	5.0	4.8	5.0	n.p.	n.p.	n.a.	5.2
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	1.2	1.2	1.3	1.3	1.1	1.2	1.1	n.a.	1.2
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	1.2	1.2	1.2	1.4	1.4	1.2	1.1	n.a.	1.2
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	1.0	1.0	1.0	1.0	1.0	1.1	1.0	n.a.	1.0
F42B Circulatory disorders W/O AMI W invasive cardiac inves proc W/O complex dx/pr	1.4	1.8	1.7	1.3	1.6	n.p.	n.p.	n.a.	1.6
G09Z Inguinal and Femoral Hernia Procedures Age>0	2.2	2.1	1.8	2.1	2.6	1.9	1.9	n.a.	2.1
D11Z Tonsillectomy or Adenoidectomy	1.1	1.2	1.1	1.1	1.2	1.2	1.1	n.a.	1.1
G42B Other Gastroscopy for Major Digestive Disease, Sameday	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.a.	1.0
J10Z Skin, Subcutaneous Tissue and Breast Plastic O.R. Procedures	1.4	1.6	1.3	1.7	1.6	2.2	1.9	n.a.	1.5
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	1.0	1.0	1.1	1.0	1.0	1.1	1.0	n.a.	1.0
I68C Non-surgical Neck & Back Conditions W Pain Management Proc/Myelogram	2.1	2.3	2.2	1.6	1.7	n.p.	n.p.	n.a.	2.1
L41Z Cystourethroscopy W/O CC	1.1	1.1	1.2	1.2	1.3	1.4	1.5	n.a.	1.2
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	1.6	1.8	1.9	2.4	2.2	2.1	2.2	n.a.	1.8
I16Z Other Shoulder Procedures	2.2	2.3	2.5	2.2	2.3	2.8	1.9	n.a.	2.3
I26Z Other Wrist and Hand Procedures	1.2	1.2	1.2	1.4	1.4	1.3	1.4	n.a.	1.2
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	2.7	3.0	2.5	2.7	2.9	2.6	3.1	n.a.	2.7
N04Z Hysterectomy for Non-Malignancy	5.4	6.0	5.2	6.0	6.0	6.1	6.6	n.a.	5.7
J08B Other Skin Graft and/or Debridement Procedures W/O Catastrophic or Severe CC	1.4	1.7	1.4	2.0	1.3	1.8	1.7	n.a.	1.5
D13Z Myringotomy W Tube Insertion	1.0	1.0	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
N09Z Conisation, Vagina, Cervix and Vulva Procedures	1.1	1.1	1.2	1.2	1.2	1.2	1.1	n.a.	1.2
I23Z Local Excision and Removal of Internal Fixation Device Excl Hip and Femur	1.4	1.4	1.3	1.4	1.3	1.4	1.4	n.a.	1.4
Other	4.5	4.8	4.9	4.5	4.9	4.9	5.5	n.a.	4.7
Total	2.7	3.0	3.2	3.0	3.1	4.0	4.4	n.a.	3.0

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

.. not applicable.

n.a. not available.

n.p. not published.

Table 10.13: Separations for males for the 30 AR-DRGs version 4.0/4.1 with the highest number of hospital separations, by age group, all hospitals^(a), Australia, 1998–99

AR-DRG	<1	1–4	5–14	15–24	25–34	35–44	45–54	55–64	65–74	75+	Total ^(b)
L61Z Admit for Renal Dialysis	4	70	629	6,947	23,172	35,438	45,153	55,011	73,596	36,004	276,024
R63Z Chemotherapy	104	1,389	2,204	2,118	2,680	5,274	13,958	26,434	29,765	12,082	96,008
G44C Other Colonoscopy, Sameday	16	57	247	1,763	5,386	11,012	18,139	18,626	18,109	9,525	82,880
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	185	489	956	3,174	7,747	11,730	14,399	12,790	12,265	7,175	70,910
I18Z Knee Procedures	1	10	495	7,175	9,385	9,459	8,445	5,529	3,264	1,140	44,903
C08Z Major Lens Procedures	3	8	22	58	148	450	1,777	4,122	12,210	19,780	38,578
Z40Z Follow Up After Completed Treatment W Endoscopy	17	30	63	194	1,033	3,323	6,288	7,773	9,852	6,759	35,332
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	168	770	1,759	1,811	2,637	3,980	5,011	5,133	6,226	6,398	33,893
G09Z Inguinal and Femoral Hernia Procedures Age>0	0	1,272	1,078	1,657	2,642	3,910	5,777	6,020	6,122	4,278	32,756
D40Z Dental Extraction and Restorations	7	4,441	5,738	11,182	5,456	2,340	1,398	727	531	327	32,147
U60Z Mental Health Treatment, Sameday, W/O ECT	1,287	542	1,707	3,251	3,796	3,960	6,039	1,971	2,078	3,273	27,904
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex DX/Pr	64	96	168	162	344	1,708	4,931	7,039	7,780	3,290	25,582
F74Z Chest Pain	1	13	92	442	1,548	3,869	5,507	4,740	4,178	2,930	23,320
E69C Bronchitis and Asthma Age<50 W/O CC	1099	10136	6925	1998	1201	843	475	0	0	0	22,677
G67B Oesophagitis, Gastroent & Misc Digestive Systm Disorders Age>9 W/O Cat/Sev CC	0	0	1,376	2,526	3,131	2,635	2,733	2,494	2,752	3,191	20,838
X60C Injuries Age < 65	66	1,174	2,422	4,911	4,644	3,237	2,057	1,316	0	0	19,827
D11Z Tonsillectomy or Adenoidectomy	35	6,607	9,031	2,133	1,046	545	185	87	56	23	19,748
I26Z Other Wrist and Hand Procedures	46	368	748	3,898	3,605	2,670	2,531	2,343	2,090	1,090	19,389
L41Z Cystourethroscopy W/O CC	166	219	293	483	1,185	2,224	3,472	3,657	4,078	3,366	19,143
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	103	487	961	1,245	1,150	1,380	1,932	2,504	4,332	5,038	19,132
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	202	94	149	582	2,544	4,164	4,670	3,123	1,959	836	18,323
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or Age<60	262	1,116	1,501	2,475	3,022	2,804	2,681	1,784	1,302	1,087	18,034
Z64B Other Factors Influencing Health Status Age<80	988	825	873	990	1,786	1,932	2,514	2,939	3,280	1,293	17,420
F72B Unstable Angina W/O Catastrophic or Severe CC	0	0	0	8	130	1,003	2,975	4,032	4,964	4,186	17,298
F62B Heart Failure and Shock W/O Catastrophic CC	22	5	10	35	71	234	655	1,746	4,632	8,550	15,960
I74C Injury to Forearm, Wrist, Hand or Foot Age<75 W/O CC	15	1,030	8,228	2,819	1,458	953	698	402	240	0	15,843
G42B Other Gastroscopy for Major Digestive Disease, Sameday	2	10	72	465	1,061	1,893	2,916	3,294	3,659	2,433	15,805
I23Z Local Excision and Removal of Internal Fixation Device Excl Hip and Femur	29	222	1,628	3,971	3,466	2,454	1,821	1,074	595	304	15,564
E62C Respiratry Infectn/Inflammations W/O CC	899	3,181	1,730	880	1,294	1,342	1,344	1,268	1,468	1,853	15,259
L64Z Urinary Stones and Obstruction	10	27	44	451	1,757	3,467	3,817	2,953	1,800	719	15,045
Other	74,831	73,962	78,230	101,890	122,646	143,780	164,823	183,649	244,860	250,277	1,438,955
Total	80,632	108,650	129,379	171,694	221,171	274,013	339,121	374,580	468,043	397,207	2,564,497

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, 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.

Table 10.14: Separations for females for the 30 AR-DRGs version 4.0/4.1 with the highest number of hospital separations, by age group, all hospitals^(a), Australia, 1998–99

AR-DRG	<1	1–4	5–14	15–24	25–34	35–44	45–54	55–64	65–74	75+	Total ^(b)
L61Z Admit for Renal Dialysis	0	2	352	4,010	14,436	20,018	31,018	46,526	61,349	21,805	199,516
O60D Vaginal Delivery W/O Complicating Diagnosis	0	0	47	33,136	89,260	19,688	72	0	0	0	142,204
R63Z Chemotherapy	49	1,049	1,784	1,109	3,302	11,950	24,025	26,158	22,911	8,650	100,987
G44C Other Colonoscopy, Sameday	9	33	181	3,168	7,195	13,334	21,295	21,037	19,604	10,749	96,605
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	124	356	826	3,916	7,480	12,185	17,209	16,266	14,375	9,974	82,711
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	0	0	130	19,907	29,107	13,903	337	4	0	0	63,388
C08Z Major Lens Procedures	3	9	16	39	99	374	1,536	4,691	17,805	33,194	57,766
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	3	2	162	4,061	17,418	16,823	5,514	1,816	876	306	46,982
O65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	0	0	42	15,279	25,176	5,498	44	4	0	0	46,043
D40Z Dental Extraction and Restorations	7	3,675	6,042	20,135	7,849	3,081	1,707	825	489	438	44,248
N09Z Conisation, Vagina, Cervix and Vulva Procedures	20	112	214	7,618	11,904	8,603	6,205	2,839	1,599	884	39,998
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	0	1	17	1,145	4,859	9,577	13,553	5,565	2,767	1,230	38,714
U60Z Mental Health Treatment, Sameday, W/O ECT	1,165	224	535	6,352	6,340	8,029	7,758	3,197	2,174	854	36,628
N08Z Endoscopic Procedures for Female Reproductive System	1	0	67	4,615	15,588	13,226	2,476	434	155	59	36,621
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	169	866	2,255	2,727	3,480	4,763	5,497	4,401	4,455	5,199	33,812
O01D Caesarean Delivery W/O Complicating Diagnosis	0	0	5	4,498	21,199	7,115	33	1	0	0	32,851
Z40Z Follow Up After Completed Treatment W Endoscopy	7	25	48	518	1,525	4,330	7,120	7,047	7,107	4,505	32,232
N04Z Hysterectomy for Non-Malignancy	0	0	3	57	2,434	10,675	10,976	2,980	2,245	1,187	30,557
G67B Oesophagitis, gastroent & misc digestive systm disorders age>9 W/O Cat/Sev CC	0	0	1,249	3,803	4,178	3,333	3,806	3,454	3,986	5,667	29,476
I18Z Knee Procedures	2	7	499	3,199	3,817	4,666	5,574	4,658	3,598	1,749	27,769
O60B Vaginal Delivery W Severe Complicating Diagnosis	0	0	15	6,395	15,705	4,142	25	0	0	0	26,282
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	2	3	74	1,753	4,560	4,977	5,530	4,395	3,158	1,466	25,918
O65A Other Antenatal Admission W Severe Complicating Diagnosis	0	0	15	5,993	15,085	4,635	41	1	0	0	25,770
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	112	209	2,455	4,885	4,490	3,463	2,599	1,602	1,243	1,346	22,404
O61Z Postpartum and Post Abortion W/O O.R. Procedure	0	0	9	4,323	13,937	4,058	36	0	0	0	22,363
Z64B Other Factors Influencing Health Status Age<80	862	711	639	1,637	4,167	3,006	3,094	2,774	2,825	1,478	21,193
D11Z Tonsillectomy or Adenoidectomy	22	4,183	9,735	4,899	1,444	508	166	89	39	17	21,102
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	53	292	712	1,348	1,530	2,293	3,071	2,359	3,657	5,620	20,935
F74Z Chest Pain	2	4	74	372	1,078	2,441	4,439	4,022	3,885	4,339	20,656
E69C Bronchitis and Asthma Age<50 W/O CC	492	5,433	4,557	3,196	2,560	2,214	1,141	0	0	0	19,593
Other	53,830	56,950	63,682	114,758	183,937	177,361	185,124	175,610	220,663	328,918	1,560,840
Total	56,934	74,146	96,441	288,851	525,139	400,269	371,021	342,755	400,965	449,634	3,006,164

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, 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.

Table 10.15: Separation, same day separation, patient day, average length of stay and cost statistics for the 30 AR-DRGs version 4.0/4.1 with the highest number of separations, public psychiatric hospitals^(a), Australia, 1998–99

AR-DRG	Separations	Same day separations	Per cent same day separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)	Rank by patient days
U61A Schizophrenia Disorders W Mental Health Legal Status	2,813	0	0.0	1.5	240,899	127.8	85.6	7,924	1
U63B Major affective disorders age<70 W/O catastrophic, sev CC	2,571	0	0.0	1.4	56,221	29.8	21.9	2,331	4
U67Z Personality Disorders and Acute Reactions	2,568	0	0.0	1.4	21,411	11.4	8.3	83	6
U61B Schizophrenia Disorders W/O Mental Health Legal Status	1,439	0	0.0	0.8	76,062	40.3	52.9	14,841	3
U60Z Mental Health Treatment, Sameday, W/O ECT	972	972	100.0	0.5	972	0.5	1.0	16	25
V63Z Opioid Use Disorder and Dependence	962	69	7.2	0.5	4,118	2.2	4.3	59	16
B63Z Dementia, Other Chronic Disturbances of Cerebral Function	807	4	0.5	0.4	80,932	42.9	100.3	0	2
V60Z Alcohol Intoxication and Withdrawal	633	74	11.7	0.3	15,191	8.1	24.0	59	8
960Z Ungroupable	593	3	0.5	0.3	21,909	11.6	36.9	0	5
V62A Alcohol Use Disorder and Dependence	578	0	0.0	0.3	5,039	2.7	8.7	1,256	13
U64Z Other Affective and Somatoform Disorders	530	0	0.0	0.3	9,063	4.8	17.1	7,235	11
V61B Drug Intoxication and Withdrawal WO CC	514	65	12.6	0.3	4,323	2.3	8.4	701	15
U62A Paranoia, acute psych disdr w cat/sev cc/mental hlth legal status	493	0	0.0	0.3	10,085	5.3	20.5	9,079	10
V64Z Other Drug Use Disorder and Dependence	476	31	6.5	0.3	3,927	2.1	8.3	2,018	17
U63A Mjr affect disorders w cat/sev CC or (age>69 w/o cat/sev CC)	446	0	0.0	0.2	20,537	10.9	46.0	1,593	7
V61A Drug Intoxication and Withdrawal W CC	255	139	54.5	0.1	1,227	0.7	4.8	2,246	24
U62B Paranoia, acute psych disdr w/o cat/sev cc w/o mental hlth legal stat	173	0	0.0	0.1	2,791	1.5	16.1	2,065	20
B64Z Delirium	158	2	1.3	0.1	6,935	3.7	43.9	3,480	12
U65Z Anxiety Disorders	97	0	0.0	0.1	2,109	1.1	21.7	1,120	22
Z64B Other Factors Influencing Health Status Age<80	58	6	10.3	<0.1	3,236	1.7	55.8	4	19
B81B Other disorders of the nervous system w/o cat/sev cc	45	6	13.3	<0.1	4,765	2.5	105.9	10	14
U68Z Childhood Mental Disorders	44	0	0.0	<0.1	15,144	8.0	344.2	13,967	9
U66Z Eating and Obsessive-Compulsive Disorders	32	0	0.0	<0.1	418	0.2	13.1	586	29
U40Z Mental Health Treatment, Sameday, W ECT	31	31	100.0	<0.1	31	<0.1	1.0	0	42
V62B Alcohol Use Disorder and Dependence, Sameday	28	28	100.0	<0.1	28	<0.1	1.0	302	44
961Z Unacceptable Principal Diagnosis	27	4	14.8	<0.1	652	0.3	24.1	825	27
Z60B Rehabilitation W/O Catastrophic or Severe CC	22	0	0.0	<0.1	439	0.2	20.0	55	28
B67B Degenerative nervous system disorders w/o c/sev cc	17	0	0.0	<0.1	765	0.4	45.0	16	26
O61Z Postpartum and Post Abortion W/O O.R. Procedure	13	1	7.7	<0.1	84	<0.1	6.5	0	33
Z60A Rehabilitation W Catastrophic or Severe CC	9	0	0.0	<0.1	205	0.1	22.8	0	32
Other	61	6	9.8	<0.1	2,774	1.5	45.5	27,098	..
Total	17,465	1,441	8.3	9.3	612,292	324.8	35.1	98,969	..

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

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

**Table 10.16: Separations for Group 1 Error DRGs for the 10 principal procedures with the highest number of separations^(a), by hospital sector
States and Territories, 1998–99**

Principal procedure	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
	Public hospitals								
34509-01 Arteriovenous anastomosis of upper limb	227	184	0	0	0	0	9	56	476
41892-00 Bronchoscopy with biopsy	83	62	9	7	7	2	3	1	174
35309-00 Percutaneous insertion of 1 stent into single visceral artery or vein	109	48	0	0	0	0	2	1	160
37203-00 Transurethral resection of prostate [TURP]	43	42	5	10	22	0	2	0	124
30052-01 Repair of wound of eyelid	6	13	44	37	16	2	0	0	118
35640-00 Dilation & curettage of uterus [D&C]	25	36	12	14	8	1	1	3	100
30473-01 Panendoscopy with biopsy	53	17	5	7	4	0	2	0	88
45519-00 Revision of burn scar or burn contracture	49	27	0	0	0	0	4	2	82
34512-01 Construction of arteriovenous fistula with prosthesis	50	11	0	0	0	0	8	1	70
36812-00 Cystoscopy	27	15	5	10	9	3	1	0	70
Other procedures	2,148	1,661	726	668	515	84	97	0	5,899
Total	2,820	2,116	806	753	581	92	129	151	7,448
	Private hospitals								
34509-01 Arteriovenous anastomosis of upper limb	53	60	0	0	0	0	0	n.a.	113
37203-00 Transurethral resection of prostate [TURP]	12	29	21	12	9	3	3	n.a.	89
36812-00 Cystoscopy	24	8	20	6	5	6	2	n.a.	71
31000-00 Microscopically controlled serial excision of tumour of skin	42	26	0	0	0	0	0	n.a.	68
41892-00 Bronchoscopy with biopsy	14	36	7	3	1	0	0	n.a.	61
35309-00 Percutaneous insertion of 1 stent into single visceral artery or vein	28	29	0	0	0	0	0	n.a.	57
35640-00 Dilation & curettage of uterus [D&C]	26	8	9	4	2	1	1	n.a.	51
30473-01 Panendoscopy with biopsy	11	17	13	2	1	1	0	n.a.	45
45021-00 Abrasive therapy to 1 aesthetic area of face	0	1	37	1	0	3	0	n.a.	42
90664-00 Excision of lesion of skin and subcutaneous tissue of eyelid, not elsewhere classified	2	4	13	10	6	3	0	n.a.	38
Other procedures	1,512	1,082	880	353	269	89	50	n.a.	4,235
Total	1,724	1,300	1,000	391	293	106	56	n.a.	4,870

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.

n.a. not available.

Table 10.17: Separations for Group 2 Error DRGs for the 10 principal diagnoses with the highest number of separations^(a), by hospital sector States and Territories, 1998–99

		NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
Principal diagnosis		Public hospitals								
Z91.5	Personal history of self-harm	162	0	0	0	0	0	0	5	167
Z12.1	Special screening examination for neoplasm of intestinal tract	148	2	0	0	0	0	1	2	153
P07.3	Other preterm infants	99	5	5	1	3	0	4	3	120
Z87.12	Personal history of colonic polyps	97	0	0	0	2	1	0	5	105
Z34.8	Supervision of other normal pregnancy	53	0	0	0	0	0	0	41	94
Z85.0	Personal history of malignant neoplasm of digestive organs	68	0	0	0	0	0	0	0	68
Z34.9	Supervision of normal pregnancy, unspecified	45	0	0	0	0	0	1	10	56
Z64.0	Problems related to unwanted pregnancy	22	0	4	24	3	2	0	0	55
O80	Single spontaneous delivery	15	27	5	0	4	0	2	1	54
Z95.1	Presence of aortocoronary bypass graft	52	0	0	0	0	0	0	0	52
	Other diagnosis	557	11	45	28	16	8	8	56	729
Total		1,318	45	59	53	28	11	16	123	1,653
		Private hospitals								
Z12.1	Special screening examination for neoplasm of intestinal tract	655	306	0	0	0	0	0	n.a.	961
Z87.12	Personal history of colonic polyps	514	0	18	0	6	5	0	n.a.	543
Z85.0	Personal history of malignant neoplasm of digestive organs	126	0	2	0	56	12	0	n.a.	196
Z87.18	Personal history of other digestive system disease	58	0	5	0	0	1	0	n.a.	64
O09.1	Duration of pregnancy 5-13 completed weeks	58	0	0	0	0	0	0	n.a.	58
Z87.11	Personal history of peptic ulcer disease	45	0	3	0	1	0	0	n.a.	49
Z12.6	Special screening examination for neoplasm of bladder	5	36	0	0	0	0	0	n.a.	41
P11.2	Unspecified brain damage due to birth injury	31	0	0	0	0	0	0	n.a.	31
Z12.5	Special screening examination for neoplasm of prostate	27	0	0	0	0	0	0	n.a.	27
P07.3	Other preterm infants	20	1	5	0	0	0	0	n.a.	26
	Other diagnosis	224	39	22	11	11	18	4	n.a.	329
Total		1,763	382	55	11	74	36	4	n.a.	2,325

(a) Separations for which the type of episode of care was reported as acute, or newborn with qualified patient days, or was not reported.
n.a. not available.

