

# 11 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. 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 4.2 (DHAC 1998, 2000a, 2000b).

The AR-DRG 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.

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). 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.

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. They may differ from AR-DRGs derived at the State or Territory level because of differences in coding and mapping conventions.

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 11.2 and 11.3, Tables 11.1 to 11.4);
- AR-DRGs – detailed information is presented for the 30 of the 661 AR-DRGs with the highest number of separations (Tables 11.5 to 11.14).

All tables in this chapter include separations for which the care type was reported as *Acute*, *Newborn* (for separations with at least one qualified day) or was not reported. That is,

separations for care types *Rehabilitation, Palliative care, Geriatric evaluation and management, Maintenance care, Organ procurement – posthumous, Other admitted patient care* and *Newborn* (for separations with unqualified days only) are excluded where they were able to be identified (see Table 6.10). Of the separations for which the care type was reported, 93.1% were reported as *Acute* (92.0%, 3,700,443 of 4,022,638 in the public sector and 93.7%, 2,165,044 of 2,310,214 in the private sector). For public psychiatric hospitals, 91.5% of separations for which the care type 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. That is, the data were not trimmed of separations with unusually long or short lengths of stay. A relative stay index (RSI) is also included in Tables 11.1 and 11.2 to provide a more accurate measure of the relative length of stay for each Major Diagnostic Category between the public and private sectors. The 'relative stay index' is defined as the actual number of patient days for acute care separations in selected AR-DRGs divided by the expected number of patient days adjusted for casemix. An RSI greater than 1 indicates that an average patient's length of stay is higher than would be expected given the casemix distribution. An RSI of less than 1 indicates that the number of bed days used was less than would have been expected (see Appendix 4 for more details).

Some data for private hospitals in Tasmania and the Australian Capital Territory have not been included in Tables 11.4, 11.10, 11.12, 11.15 and 11.16. These data were supplied but are not published, for confidentiality reasons.

## **Cost weights and costs by volume**

For each AR-DRG, 1999–00 cost weights were used for the public and private sectors. These had been estimated by the Department of Health and Aged Care, through the National Hospital Cost Data Collection (DHAC 2001). Cost weights for 2000–01 were not available at the time of printing.

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: \$2,547 in the public sector and \$2,091 in the private sector (both including depreciation). Separate cost weights are 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 2000–01. 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 3 and 4.

Information based on the average cost weights of separations is also included in Chapters 2, 4 and 6. Updated information will be included on the Internet at <http://www.aihw.gov.au/publications/hse/ahs00-01/index.html>, once 2000–01 cost weights become available.

Appendix 9 includes further information on the National Hospital Cost Data Collection.

## AR-DRGs and other data elements reported for separations

The information on AR-DRG reported in this chapter is compiled in the National Hospital Morbidity Database with a range of other data. Figure 11.1 demonstrates this using the example of the AR-DRG G02B *Major small and large bowel procedures without catastrophic or severe complication or comorbidity*.

There were 9,693 separations with an AR-DRG of G02B, with an average length of stay of 9.1 days. The majority of separations were in the public sector (55.4%), and 50.8% of separations were for private patients (in comparison to 42.7% overall, Table 6.1). About 55% of patients were females and the most common age group reported was 65 to 74 years (2,298, 23.7%). The majority of patients (8,984, 92.7%) had a separation mode of *Other*, suggesting that most of these persons went home after separation from hospital. The most common principal diagnosis reported in conjunction with an AR-DRG of G02B was *Rectal prolapse* (K62.3), while the most common additional diagnosis was *Peritoneal adhesions* (K66.0). The most common procedure performed was *General anaesthesia* (Block 1910), followed by *Colectomy* (Block 913).

## Major Diagnostic Categories

### Sector

Figures 11.2 and 11.3 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 number 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 11.1 and 11.2). In the public sector, they ranged from 29.3 days for the *Pre-MDC* group to 1.4 days for *Diseases and disorders of the eye* (MDC 02). In the private sector, the longest average length of stay was 28.5 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 (3.7 days) than for public hospitals (2.9 days); *Newborns and other neonates* (MDC 15), where the average length of stay was higher in public hospitals (8.1 days) than in private hospitals (6.4 days); *Infectious and parasitic diseases* (MDC 18), where the average length of stay was higher for private hospitals (5.8 days) than for public hospitals (4.8 days); *Mental diseases and disorders* (MDC 19), where the average length of stay was higher for public hospitals (10.3 days) than for private hospitals (5.6 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 (5.8 days) than for public hospitals (4.4 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 RSI data provides length of stay comparisons adjusted for the AR-DRG patterns within the MDCs and patient age. Differences between the sectors were recorded for MDCs such as *Diseases and disorders of the respiratory system* (MDC 04), with an RSI of 0.97 in the public sector and 1.12 in the private sector.

About 87% of patients in public hospitals were public patients, in contrast to just 4.2% in private hospitals. The highest proportion of public patients in public hospitals was for *Alcohol/drug use and alcohol/drug induced organic mental disorders* (MDC 20, 96.9%), while the lowest was for *Diseases and disorders of the eye* (MDC 02, 78.0%). The highest proportion of public patients in private hospitals was for *Diseases and disorders of the kidney and urinary tract* (MDC 11, 16.3%), followed by *Burns* (MDC 22, 9.6%).

The cost by volume data for MDCs in Tables 11.1 and 11.2 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).

Almost 70% of separations in the public sector were for *Medical DRGs* (2,619,182), compared with 36.3% in the private sector (799,423). In contrast, there was a larger proportion of separations for *Surgical DRGs* (40.3%, 889,268) in the private sector than in the public sector (21.5%, 805,166).

## States and Territories

Tables 11.3 to 11.4 contain detail on the number of separations 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 public and private sectors. For example, the proportion of total separations for *Diseases and disorders of the digestive system* (MDC 06) in private hospitals (rather than public hospitals) was higher in Queensland (60.0%, 104,853) than in the other jurisdictions, for example South Australia (44.0%, 28,968). In contrast, the proportion of total separations for *Diseases and disorders of the nervous system* (MDC 01) in public hospitals (rather than private hospitals) was higher in New South Wales (82.4%, 63,916) than in the other jurisdictions, for example Western Australia (70.7%, 16,481).

The distributions of separations 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 (1.6% of separations, 905, compared with a national average of 4.2%, 157,228), reflecting referrals interstate of Northern Territory patients with cancer (22.5%, 13,545, compared with 16.4%, 615,305). In the private sector,

South Australia and Western Australia reported fewer separations for *Diseases and disorders of the digestive system* (MDC 06) (15.8% of separations, 28,968, and 16.4% of separations, 40,405, compared with 19.0%, 419,179, nationally).

## Australian Refined Diagnosis Related Groups

### Sector

Tables 11.5 to 11.14 present information on the most commonly reported AR-DRGs. Tables 11.5 and 11.6 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 2000–01, *Admit for renal dialysis* (AR-DRG L61Z) was the most common AR-DRG, accounting for 13.0% (487,350) of total separations (Table 11.5). Other leading AR-DRGs included *Chemotherapy* (AR-DRG R63Z) with 3.0% (112,218), and *Vaginal delivery without complicating diagnosis* (AR-DRG O60D) with 2.8% (104,857), of total public sector separations. The corresponding top three AR-DRGs in the private sector were *Other colonoscopy, same day* (AR-DRG G44C) with 7.3% (160,569) of total separations, *Chemotherapy* (AR-DRG R63Z) with 5.1% (111,807) and *Other gastroscopy for non-major digestive disease, same day* (AR-DRG G45B) with 4.9% (108,063) (Table 11.6).

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 *Chest pain* (AR-DRG F74Z), *Oesophagitis, gastroenteritis and miscellaneous digestive system disorders age>9 without catastrophic severe complication or comorbidity* (AR-DRG G67B), *Other antenatal admission with moderate or no complicating disorder* (AR-DRG O65B) and *Bronchitis and asthma age<50 without complication or comorbidity* (E69C). On the other hand, only two of the leading 10 AR-DRGs in the private sector was missing from the top 30 for the public sector, namely *Dental extraction and restorations* (AR-DRG D40Z) and *Knee procedures* (AR-DRG I18Z).

Within the top 30, average lengths of stay ranged from 5.7 days for *Heart failure and shock without catastrophic complication or comorbidity* (AR-DRG F62B) to 1 day for seven different AR-DRGs in the public sector and from 6.2 days for *Caesarean delivery without complicating diagnosis* (AR-DRG O01D) to 1 day for twelve different AR-DRGs in the private sector.

The highest proportion of public patients in public hospitals was for *Poisoning/toxic effects of drugs and other substances, age<60 without complication or comorbidity* (AR-DRG X62B, 95.4%), while the lowest was for *Major lens procedures* (AR-DRG C08Z, 78.7%). The highest proportion of public patients in private hospitals was for *Admit for renal dialysis* (AR-DRG L61Z, 26.7%), with less than 10% for each of the remaining AR-DRGs.

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).

### Private free-standing day hospitals

Table 11.7 contains summary separation, public patient separation and patient day statistics for the 30 AR-DRGs with the most separations in private free-standing day hospitals. *Other colonoscopy, same day* (AR-DRG G44C) was the most common AR-DRG, accounting for 18.1% (59,905) of total separations. Other leading AR-DRGs included *Other gastroscopy for non-*

*major digestive disease, same day* (AR-DRG G45B) with 13.9% (45,942), and *Major lens procedures* (AR-DRG C08Z) with 10.1% (33,471) of total separations. The proportion of public patient separations was highest for *Admit for renal dialysis* (AR-DRG L61Z, 51.4%), followed by *Circulatory disorders without acute myocardial infarction with invasive cardiac investigative procedure and without complex diagnosis or procedure* (AR-DRG F42B, 47.9%).

## Public psychiatric hospitals

In public psychiatric hospitals, most of the 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 11.8). *Schizophrenia disorders with mental health legal status* (AR-DRG U61A) accounted for the most separations (2,634, 15.9%) and also accounted for the most patient days (163,507, 33.1%). *Personality disorders and acute reactions* (AR-DRG U67Z) ranked second for separations (2,499, 15.1%), and *Schizophrenia disorders without mental health legal status* (AR-DRG U61B) for patient days (70,451, 14.3%).

The average length of stay was long for most of these AR-DRGs and only 18.0% (2,986) of separations were same day separations, compared with 46.9% 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 62.1 days and the average length of stay for *Personality disorders and acute reactions* (AR-DRG U67Z) was 8.1 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 with mental health legal status* (AR-DRG U61A) (19 days, compared with the average length of stay of 62.1 days), *Major affective disorders age <70 without catastrophic or severe comorbidity or complication* (AR-DRG U63B) (13 days, compared with the average length of stay of 19.2 days) and *Dementia and other chronic disturbances of cerebral function* (AR-DRG B63Z) (35 days, compared with the average length of stay of 151.6 days). (By definition, half the separations have a shorter length of stay and half have a longer length of stay than the median.)

## 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 11.9 and 11.10). 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 (32.5%, 18,874, and 19.3%, 11,667, respectively, compared with 13.0%, 487,350).

In the private sector, examples of differences include separations in Western Australia for *Non-surgical neck and back conditions with pain management procedure/myelogram* (AR-DRG I68C), which accounted for 2.0% of separations (4,908), compared with the national average of 0.7% (16,000).

The average lengths of stay were mainly similar among the States and Territories (Tables 11.11 and 11.12). 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 10.7 days in Tasmania to 1.4 days in Western Australia and the Australian Capital

Territory, and *Heart failure and shock without catastrophic complication and comorbidity* (AR-DRG F62B) ranged from 5.0 days in Victoria and the Northern Territory to 7.5 days in Tasmania. In the private sector, variation in lengths of stay was evident for AR-DRGs such as *Vaginal delivery without complicating diagnosis* (AR-DRG O60D), *Non-surgical neck and back conditions with pain management procedure/myelogram* (AR-DRG I68C), *Other skin graft and/or debridement procedures* (AR-DRG J08B) and *Caesarean delivery without complicating diagnosis* (AR-DRG O01D).

## Age group and sex

Tables 11.13 and 11.14 summarise separations by age group and sex for the 30 leading AR-DRGs. Fifteen 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, *Dental extraction and restorations* (AR-DRG D40Z) was most commonly reported for males and females in the 15 to 24 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 55.9% of separations (65,820) 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/hse/ahs00-01/index.html> provide national and State and Territory summary statistics for public and private hospitals for each AR-DRG (as presented for the top 30 AR-DRGs in Tables 11.5 and 11.6). 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.

## 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 (DHAC 1998).

Table 11.15 provides information on Group 1 Error DRGs for the 10 procedures with the highest number of separations, by hospital sector and State and Territory. Table 11.16 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 Group 1 Error DRGs for public hospitals (54.8%, 6,298) than

for private hospitals (45.2%, 5,199), while a lower number was assigned to Group 2 Error DRGs for public hospitals (36.3%, 926) than for private hospitals (63.7% 1,624).

Variation in the assignment of separations to Error DRGs is evident between the States and Territories. In public hospitals, the number of Group 1 Error DRGs ranged from 2,246 in New South Wales to 60 in Tasmania. In private hospitals, the number of Group 1 Error DRGs ranged from 1,492 in New South Wales to 68 in the Australian Capital Territory. The number of Group 2 Error DRGs in public hospitals ranged from 8 in the Australian Capital Territory to 742 in New South Wales, while in private hospitals, the number of Group 2 Error DRGs ranged from 2 in South Australia to 1,581 in New South Wales.

Figure 11.4 shows Error DRGs as a percentage of all separations, by State and Territory. Group 2 Error DRGs accounted for the lowest proportion of separations assigned to Error DRGs, while Group 1 Error DRGs accounted for the highest proportion.

## Changes 1999–00 to 2000–01

Table 11.17 presents the 30 AR-DRGs with the largest changes in the numbers of separations in either public or private hospitals (or both) between 1999–00 and 2000–01. The net increase in separations for these AR-DRGs was 162,138 for private hospitals (66.2% of the total increase of 244,802 separations for private hospitals) and 18,380 for public hospitals. The AR-DRG with the largest change in the number of separations was *Admit for renal dialysis (L61Z)*, with increases of 22,099 separations and 20,700 separations in private and public hospitals respectively.

The AR-DRGs in Table 11.17 either recorded increases for both sectors, an increase for one sector and a decrease for the other sector, or decreases for both sectors.

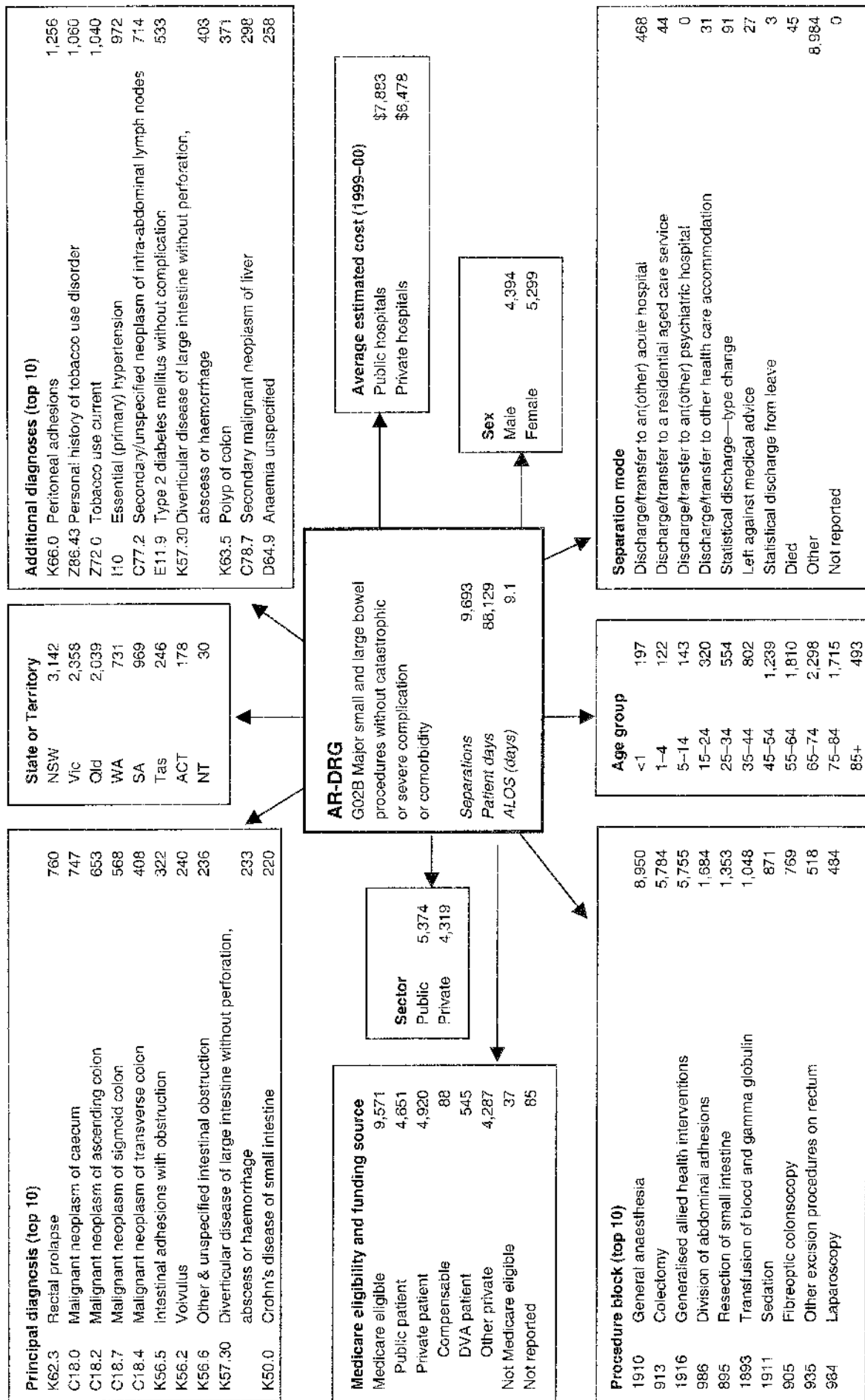
The number of separations increased in both the public and private sectors for 13 of the AR-DRGs, with increases generally greater in private hospitals. For example, the number of separations for *Other colonoscopy, same day (AR-DRG G44C)*, increased by 24,668 in private hospitals, from 135,901 in 1999–00 to 160,569 in 2000–01, compared with an increase of 483 separations in public hospitals. Similarly, the number of separations for *Major lens procedures (AR-DRG C08Z)* increased by 10,802 separations in private hospitals between 1999–00 and 2000–01, compared with an increase of 1,881 separations in public hospitals.

There was an increase in the number of separations in the private sector and a decrease in the number of separations in the public sector for 13 of the AR-DRGs presented in Table 11.17. For example, there were 90,512 separations for *Chemotherapy (AR-DRG R63Z)* in private hospitals in 1999–00 compared to 111,807 separations in 2000–01, an increase of 21,295 separations. The number of separations for this AR-DRG in public hospitals decreased from 116,629 in 1999–00 to 112,218 in 2000–01, a decrease of 4,411 separations.

For AR-DRGs *Minor skin disorders without complications or comorbidities (J67B)*, *Other lens procedures (C09Z)* and *Tonsillectomy and adenoidectomy (D11Z)*, the number of separations decreased in both public and private hospitals between 1999–00 and 2000–01. *Neonate, admission weight > 2,499g without significant operating room procedure, without problems (AR-DRG P67D)* was the only AR-DRG presented in Table 11.17 for which the number of separations increased in public hospitals and decreased in private hospitals between 1999–00 and 2000–01.

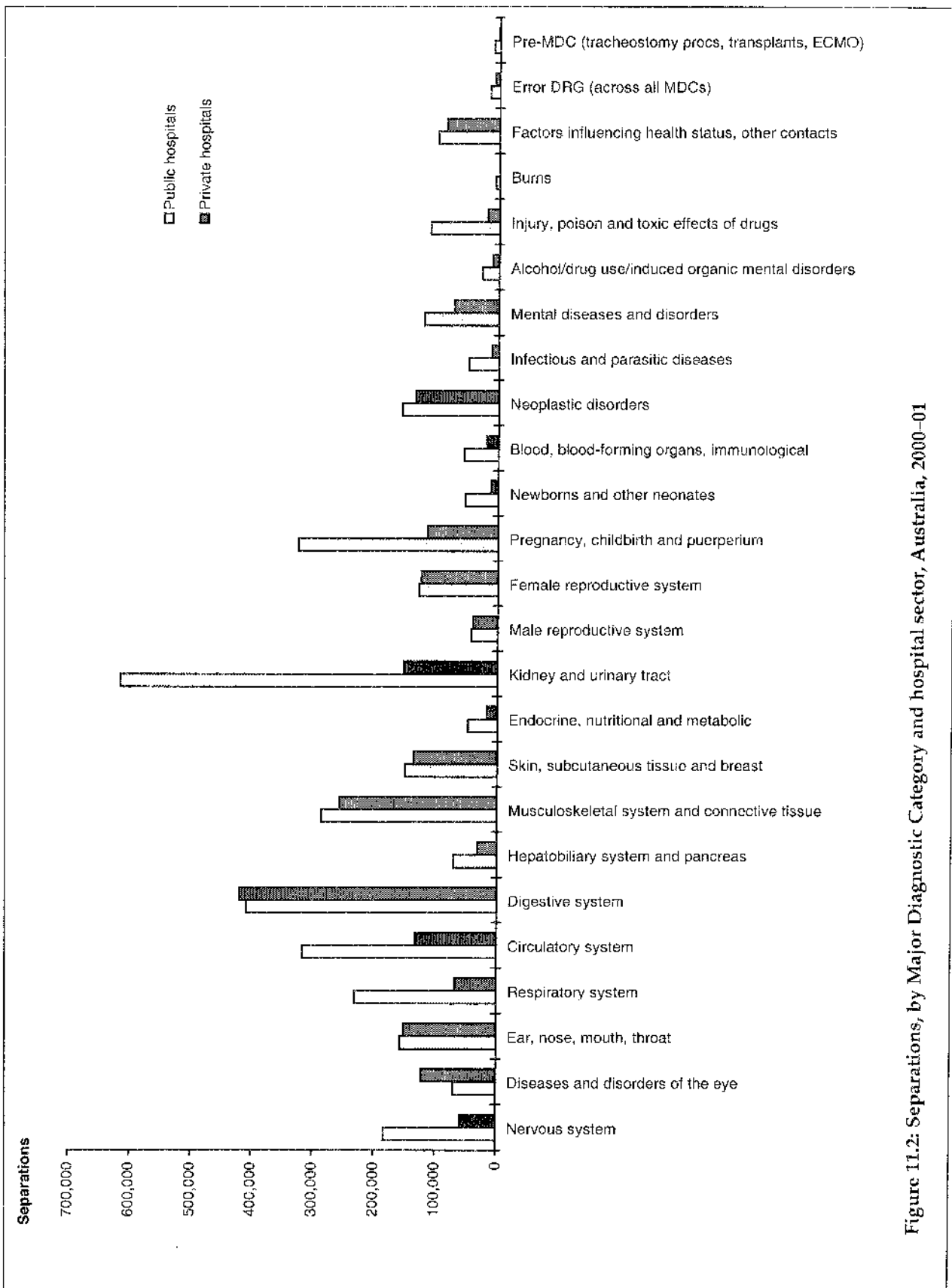
Some of these changes in the private sector may reflect changes in the scope of the National Hospital Morbidity Database, as described in Chapter 2.





Note: Main abbreviations: ALOS—Average length of stay

Figure 11.1: Interrelationships of an AR-DRG (G02B Major small and large bowel procedures without catastrophic or severe complication or comorbidity) with other data elements, all hospitals, Australia, 2000-01



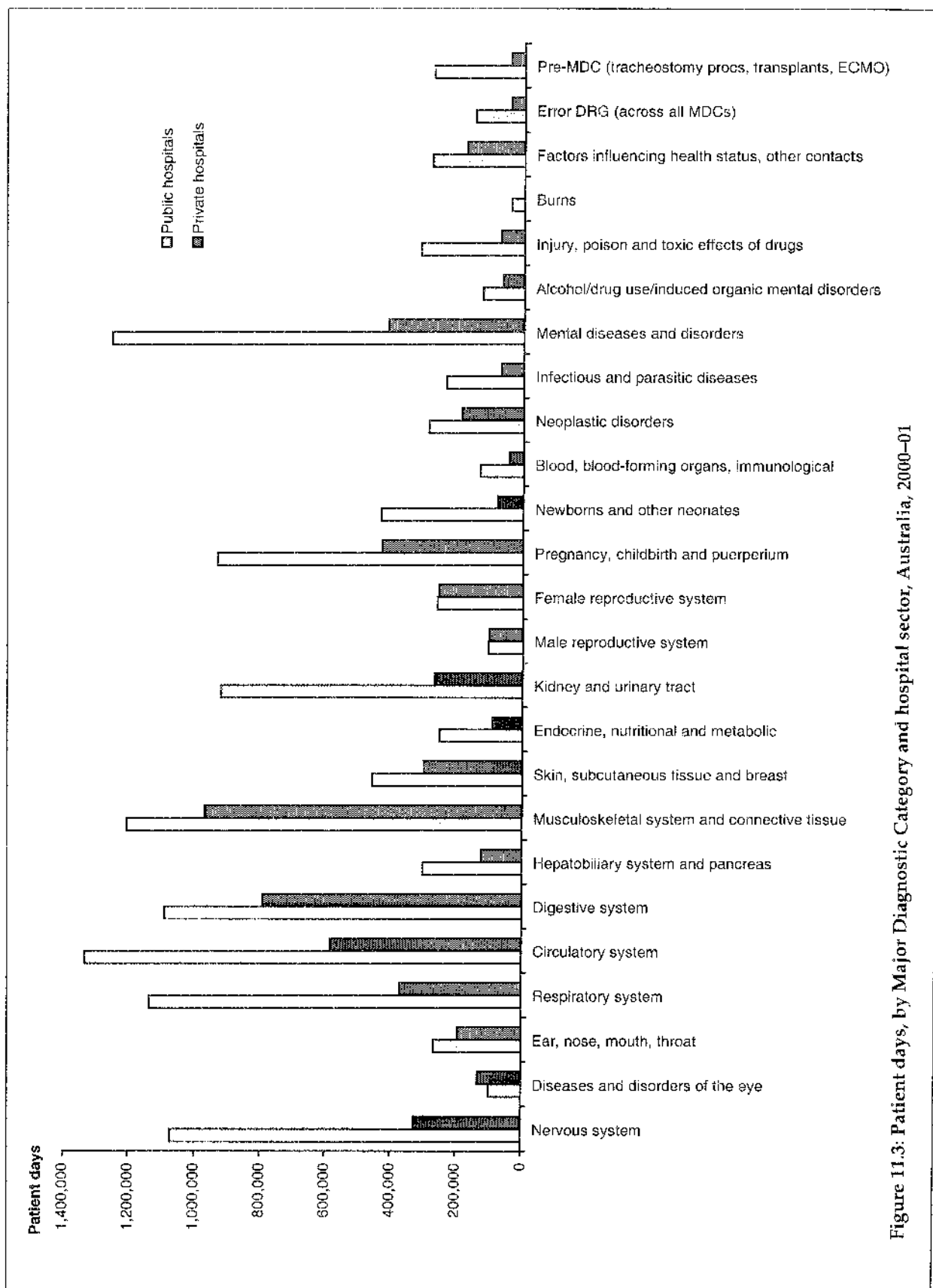


Table 11.1: Selected separation and cost statistics, by Major Diagnostic Category and medical/surgical/other partition, public hospitals, (a) Australia, 2000-01

Major Diagnostic Category	Separations	Same day separations	Public patient separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS		Cost by volume (\$'000)	Relative stay index
							separations	(days)		
PR Pre-MDC (tracheostomies, transplants, ECMO)	9,301	278	7551.0	4.8	272,095	141.1	29.3	30.1	440,103	1.00
01 Diseases and disorders of the nervous system	184,404	58,266	155,490	95.7	1,072,383	556.3	5.8	8.0	653,788	0.88
02 Diseases and disorders of the eye	70,197	52,559	54,770	36.4	100,290	52.0	1.4	2.7	133,873	1.06
03 Diseases and disorders of the ear, nose, mouth and throat	157,841	72,612	135,231	81.9	267,296	138.7	1.7	2.3	255,378	1.02
04 Diseases and disorders of the respiratory system	231,545	53,725	197,753	120.1	1,134,371	588.5	4.9	5.6	728,831	0.97
05 Diseases and disorders of the circulatory system	316,904	71,879	263,580	164.4	1,332,914	691.4	4.2	5.1	1,192,792	0.99
06 Diseases and disorders of the digestive system	408,519	195,358	356,899	211.9	1,089,956	565.4	2.7	4.2	850,460	0.99
07 Diseases and disorders of the hepatobiliary system and pancreas	70,988	12,996	62,249	36.8	300,754	156.0	4.2	5.0	258,941	1.00
08 Diseases and disorders of the musculoskeletal system and connective tissue	286,047	101,337	235,607	148.4	1,204,302	624.7	4.2	6.0	1,073,892	0.98
09 Diseases and disorders of the skin, subcutaneous tissue and breast	150,615	76,224	130,681	78.1	454,816	235.9	3.0	5.1	318,967	1.00
10 Endocrine, nutritional and metabolic diseases and disorders	48,031	10,867	41,895	24.9	250,743	130.1	5.2	6.5	171,407	0.98
11 Diseases and disorders of the kidney and urinary tract	615,305	539,658	545,692	319.2	918,851	476.7	1.5	5.0	526,867	1.00
12 Diseases and disorders of the male reproductive system	43,469	23,623	37,270	22.5	104,253	54.1	2.4	4.1	86,303	1.03
13 Diseases and disorders of the female reproductive system	129,180	80,663	110,298	67.0	258,256	134.0	2.0	3.7	242,790	0.89
14 Pregnancy, childbirth and puerperium	324,989	76,642	300,249	168.6	931,703	483.3	2.9	3.4	711,033	0.93
15 Newborns and other neonates	53,534	5,808	48,558	27.8	431,091	223.6	8.1	8.9	313,328	0.95
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	55,607	36,439	47,800	28.8	131,668	68.3	2.4	5.0	93,232	1.00
17 Neoplastic disorders (haematological and solid neoplasms)	157,228	138,097	136,707	81.6	287,069	148.9	1.8	7.8	202,400	1.04
18 Infectious and parasitic diseases	49,143	9,167	42,819	25.5	233,763	121.3	4.8	5.6	162,487	1.00
19 Mental diseases and disorders	121,169	32,850	113,903	62.9	1,250,844	648.9	10.3	13.8	434,660	0.94
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	28,010	6,441	27,146	14.5	123,601	64.1	4.4	5.4	53,596	0.85
21 Injuries, poisoning and toxic effects of drugs	111,974	42,494	94,293	58.1	312,357	162.0	2.6	3.9	273,021	0.98
22 Burns	6,147	1,622	5,179	3.2	37,667	19.5	6.1	8.0	40,998	1.02
23 Factors influencing health status and other contacts with health services	99,175	69,532	86,415	51.4	277,348	143.9	2.8	7.0	148,906	1.05
ED Error DRGs	15,264	6,844	13,089	7.9	148,258	76.9	9.7	16.8	96,245	1.19
Surgical DRG	805,166	307,014	678,559	417.7	3,389,314	1,758.2	4.2	6.2	3,813,272	0.96
Medical DRG	2,619,182	1,195,733	2,297,061	1,358.7	8,973,683	4,655.1	3.4	5.5	5,169,170	1.02
Other DRG	320,238	253,234	275,504	166.1	563,652	282.4	1.8	4.6	481,869	1.06
<b>Total</b>	<b>3,744,586</b>	<b>1,755,981</b>	<b>3,251,124</b>	<b>1,942.5</b>	<b>12,926,649</b>	<b>6,705.7</b>	<b>3.5</b>	<b>5.6</b>	<b>9,464,312</b>	<b>0.98</b>

(a) Separations for which the care type 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 11.2: Selected separation and cost statistics, by Major Diagnostic Category and medical/surgical/other partition, private hospitals, (a) Australia, 2000-01**

Major Diagnostic Category	Separations	Same day separations	Public patient separations	Separations per 10,000 population	Patient days	Patient per 10,000 population	ALOS		Cost by volume (\$'000)	Relative stay index
							(days)	excluding same day		
PR Pre-MDC (tracheostomies, transplants, ECMO)	1,460	62	67.0	0.8	41,616	21.8	28.5	50,457	0.99	
01 Diseases and disorders of the nervous system	59,130	21,543	2,827	30.7	327,029	171.4	5.5	170,283	1.04	
02 Diseases and disorders of the eye	122,351	99,991	2,710	63.5	132,825	59.6	1.1	163,948	0.96	
03 Diseases and disorders of the ear, nose, mouth and throat	151,693	96,427	3,151	78.7	192,495	100.9	1.3	161,287	0.98	
04 Diseases and disorders of the respiratory system	68,305	5,247	3,873	36.4	371,596	194.7	5.4	170,313	1.12	
05 Diseases and disorders of the circulatory system	133,617	26,961	6,723	69.3	583,490	305.8	4.4	495,261	1.03	
06 Diseases and disorders of the digestive system	419,179	313,319	11,689	217.4	791,783	415.0	1.9	496,350	1.01	
07 Diseases and disorders of the hepatobiliary system and pancreas	31,797	2,834	1,721	16.5	123,806	64.9	3.9	92,221	1.01	
08 Diseases and disorders of the musculoskeletal system and connective tissue	256,962	100,387	7,164	133.3	966,729	506.6	3.8	809,900	1.02	
09 Diseases and disorders of the skin, subcutaneous tissue and breast	136,142	89,529	3,381	70.6	299,119	156.8	2.2	210,443	0.99	
10 Endocrine, nutritional and metabolic diseases and disorders	17,714	3,897	630	9.2	90,115	47.2	5.1	51,535	1.06	
11 Diseases and disorders of the kidney and urinary tract	152,656	119,253	24,861	79.2	265,900	139.4	1.7	133,726	1.01	
12 Diseases and disorders of the male reproductive system	40,371	21,243	1,261	20.9	101,805	53.4	2.5	64,254	0.97	
13 Diseases and disorders of the female reproductive system	124,769	82,911	4,307	64.7	252,868	132.5	2.0	185,834	1.01	
14 Pregnancy, childbirth and puerperium	114,379	34,942	6,270	59.3	427,704	224.2	3.7	240,933	1.19	
15 Newborns and other neonates	12,000	1,594	626	6.2	77,391	40.6	6.4	46,829	1.11	
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	19,074	12,299	899	9.9	43,604	22.9	2.3	23,817	1.00	
17 Neoplastic disorders (haematological and solid neoplasms)	134,484	123,930	4,727	69.8	187,346	98.2	1.4	84,479	0.92	
18 Infectious and parasitic diseases	11,588	1,420	766	6.0	57,712	35.5	5.8	32,861	1.00	
19 Mental diseases and disorders	73,318	50,037	1,237	38.0	410,989	215.4	5.6	121,050	1.24	
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	10,809	5,976	336	5.6	62,798	32.9	5.8	17,032	1.45	
21 Injuries, poisoning and toxic effects of drugs	19,127	5,771	1,650	9.9	69,559	36.5	3.6	37,278	1.07	
22 Burns	469	74	45	0.2	2,536	1.3	5.4	1,427	0.81	
23 Factors influencing health status and other contacts with health services	85,630	72,163	2,151	44.4	171,773	90.0	2.0	97,313	0.93	
ED Error DRGs	7,670	4,351	193	4.0	40,094	21.0	5.2	29,866	0.77	
Surgical DRG	889,268	429,307	22,079	461.3	2,512,573	1,316.8	2.8	2,281,359	1.13	
Medical DRG	799,423	402,910	59,838	414.7	2,970,322	1,556.7	3.7	1,270,135	0.98	
Other DRG	516,013	463,944	11,338	267.7	619,787	324.8	1.2	439,282	0.93	
<b>Total</b>	<b>2,204,704</b>	<b>1,296,161</b>	<b>93,255</b>	<b>1,155.5</b>	<b>6,102,682</b>	<b>3,198.3</b>	<b>2.8</b>	<b>3,990,777</b>	<b>1.04</b>	

(a) Separations for which the care type 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 11.3: Separations, by Major Diagnostic Category and medical/surgical/other partition, public hospitals, (a) States and Territories, 2000-01**

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
PR Pre-MDC (tracheostomies, transplants, ECMO)	3,209	2,525	1,547	708	843	172	166	131	9,301
01 Diseases and disorders of the nervous system	63,916	48,802	30,834	16,461	16,528	3,763	2,390	1,690	184,404
02 Diseases and disorders of the eye	23,025	19,974	10,048	7,296	7,975	493	585	801	70,197
03 Diseases and disorders of the ear, nose, mouth and throat	47,229	41,199	30,893	15,669	16,095	2,698	2,140	1,918	157,841
04 Diseases and disorders of the respiratory system	85,425	54,513	38,776	20,067	22,632	3,785	2,489	3,848	231,545
05 Diseases and disorders of the circulatory system	113,131	80,617	56,448	24,642	28,375	6,297	4,907	2,487	316,904
06 Diseases and disorders of the digestive system	141,545	101,812	70,014	42,091	36,860	6,272	5,874	4,051	408,519
07 Diseases and disorders of the hepatobiliary system and pancreas	24,965	17,956	12,734	5,819	6,227	1,492	1,151	644	70,988
08 Diseases and disorders of the musculoskeletal system and connective tissue	96,276	71,716	50,559	27,158	25,815	6,703	4,677	3,143	286,047
09 Diseases and disorders of the skin, subcutaneous tissue and breast	45,275	34,635	30,594	14,117	18,652	3,259	1,523	2,415	150,615
10 Endocrine, nutritional and metabolic diseases and disorders	14,396	13,075	8,588	4,293	4,987	1,224	606	872	48,031
11 Diseases and disorders of the kidney and urinary tract	178,221	187,724	94,516	62,959	45,877	12,209	13,545	20,250	615,305
12 Diseases and disorders of the male reproductive system	14,818	12,622	5,717	4,084	4,412	831	544	441	43,489
13 Diseases and disorders of the female reproductive system	38,685	37,650	22,665	11,696	13,243	2,233	1,649	1,359	129,180
14 Pregnancy, childbirth and puerperium	108,573	80,807	59,811	26,427	31,890	6,031	4,631	6,879	324,989
15 Newborns and other neonates	18,814	14,276	9,054	3,229	4,403	1,747	662	1,349	53,534
16 Diseases and disorders of the blood and blood-forming organs, and immunological disorders	15,065	16,724	9,050	5,531	5,867	1,077	1,883	390	55,607
17 Neoplastic disorders (haematological and solid neoplasms)	21,362	53,109	35,340	19,775	19,219	1,576	5,942	905	157,228
18 Infectious and parasitic diseases	17,657	11,706	9,089	5,016	3,410	805	606	854	49,143
19 Mental diseases and disorders	36,236	31,436	21,841	14,253	12,082	3,331	1,328	742	121,169
20 Alcohol/drug use and alcohol/drug induced organic mental disorders	12,280	4,469	5,459	3,322	1,781	336	130	233	28,010
21 Injuries, poisoning and toxic effects of drugs	35,846	27,537	25,671	9,986	8,266	2,050	1,067	1,561	111,374
22 Burns	2,051	1,046	1,418	763	542	112	59	156	6,147
23 Factors influencing health status and other contacts with health services	28,415	28,167	18,647	9,339	10,715	1,579	1,559	754	99,175
ED Error DRGs	10,788	1,738	846	656	607	83	36	258	15,264
Surgical DRG	253,549	222,533	137,383	75,983	79,429	14,821	13,287	8,181	905,166
Medical DRG	845,726	689,752	470,584	243,231	232,620	49,559	41,165	46,605	2,619,182
Other DRG	97,938	83,550	52,186	36,365	35,184	5,778	5,912	3,325	320,238
<b>Total</b>	<b>1,197,213</b>	<b>996,835</b>	<b>660,153</b>	<b>355,579</b>	<b>347,233</b>	<b>70,158</b>	<b>60,304</b>	<b>58,111</b>	<b>3,744,585</b>

(a) Separations for which the care type 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 11.4: Separations, by Major Diagnostic Category and medical/surgical/other partition, private hospitals, (e) States and Territories, 2000-01

Major Diagnostic Category	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
PR Pre-MDC (tracheostomies, transplants, ECMO)	322	316	460	1113	183	n.p.	n.p.	n.a.	1,460
01 Diseases and disorders of the nervous system	13,648	15,175	15,199	5,836	5,673	1,993	606	n.a.	59,130
02 Diseases and disorders of the eye	42,230	25,664	29,007	11,001	9,043	n.p.	n.p.	n.a.	122,351
03 Diseases and disorders of the ear, nose, mouth and throat	42,850	37,846	30,736	20,127	15,100	3,074	1,960	n.a.	151,693
04 Diseases and disorders of the respiratory system	16,783	18,298	17,707	6,019	6,408	2,540	550	n.a.	68,305
05 Diseases and disorders of the circulatory system	34,578	37,593	30,946	13,164	11,692	4,069	1,475	n.a.	133,617
06 Diseases and disorders of the digestive system	122,798	111,209	104,853	40,405	28,968	8,916	2,030	n.a.	419,179
07 Diseases and disorders of the hepatobiliary system and pancreas	8,696	7,782	7,493	3,469	2,904	935	518	n.a.	31,797
08 Diseases and disorders of the musculoskeletal system and connective tissue	73,024	66,004	45,049	35,347	26,051	7,993	3,494	n.a.	256,962
09 Diseases and disorders of the skin, subcutaneous tissue and breast	38,186	31,449	31,995	13,051	13,713	5,514	2,234	n.a.	136,142
10 Endocrine, nutritional and metabolic diseases and disorders	4,215	4,652	4,467	1,861	1,802	596	121	n.a.	17,714
11 Diseases and disorders of the kidney and urinary tract	36,452	33,874	41,761	20,399	17,058	1,921	1,191	n.a.	152,656
12 Diseases and disorders of the male reproductive system	13,554	10,603	7,039	4,290	2,980	n.p.	n.p.	n.a.	40,371
13 Diseases and disorders of the female reproductive system	40,251	31,389	26,569	12,840	7,989	n.p.	n.p.	n.a.	124,789
14 Pregnancy, childbirth and puerperium	38,413	29,143	19,817	15,953	5,723	n.p.	n.p.	n.a.	114,379
15 Newborns and other neonates	3,565	3,276	2,070	1,906	564	n.p.	n.p.	n.a.	12,000
16 Diseases and disorders of the blood and blood-forming organs, Neoplastic disorders (haematological and solid neoplasms)	4,260	5,282	5,554	1,864	1,466	492	156	n.a.	19,074
17 Infectious and parasitic diseases	25,291	38,875	40,682	12,833	12,723	n.p.	n.p.	n.a.	134,484
18 Mental diseases and disorders	2,587	2,765	3,340	1,482	950	348	126	n.a.	11,698
19 Alcohol/drug use and alcohol/drug induced organic mental disorders	13,987	27,286	16,013	10,304	2,790	n.p.	n.p.	n.a.	73,318
20 Injuries, poisoning and toxic effects of drugs	2,470	3,290	3,118	1,074	475	n.p.	n.p.	n.a.	10,809
21 Burns	3,938	4,635	4,651	3,018	1,901	771	213	n.a.	19,127
22 Factors influencing health status and other contacts with health services	96	96	127	62	69	n.p.	n.p.	n.a.	469
ED Error DRGs	28,355	22,816	17,134	8,427	6,180	2,159	559	n.a.	85,630
Surgical DRG	3,083	1,812	1,016	648	568	474	69	n.a.	7,670
Medical DRG	275,845	214,347	186,203	96,433	79,178	23,678	13,584	n.a.	889,268
Other DRG	172,004	219,809	205,175	98,193	70,592	25,238	8,412	n.a.	799,423
Total	165,783	137,074	115,425	51,867	33,203	10,068	2,593	n.a.	516,013
<b>Total</b>	<b>613,632</b>	<b>571,230</b>	<b>506,803</b>	<b>246,483</b>	<b>182,973</b>	<b>58,984</b>	<b>24,589</b>	<b>n.a.</b>	<b>2,204,704</b>

(e) Separations for which the care type 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 11.5: Selected separation and cost statistics for the 30 AR-DRGs version 4.2 with the highest number of separations, public hospitals, (a) Australia, 2000-01**

AR-DRG	Separations	Same day separations	Public patient separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)
L61Z Admit for Renal Dialysis	487,350	487,072	433,962	252.8	488,071	253.2	1.0	207,611
R63Z Chemotherapy	112,218	112,030	99,616	58.2	112,415	58.3	1.0	59,700
O60D Vaginal Delivery W/O Complicating Diagnosis	104,857	3,952	97,215	54.4	305,573	156.5	2.9	246,309
G44C Other Colonoscopy, Sameday	61,610	61,610	54,409	32.0	81,610	32.0	1.0	54,463
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	57,097	57,097	50,529	29.6	57,097	29.6	1.0	40,482
F74Z Chest Pain	47,859	16,736	42,348	24.8	81,958	42.5	1.7	66,164
G67B Oesophagitis, Gastroent & Misc Digestive Sysim Disorders (Age>9 W/O Cat/Sev CC)	45,792	14,913	40,357	23.8	96,059	49.8	2.1	56,095
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	37,161	32,799	32,860	19.3	47,687	24.7	1.3	46,766
O65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	36,258	16,421	34,435	18.8	60,932	31.6	1.7	34,228
E69C Bronchitis and Asthma (Age<50 W/O CC)	35,602	6,614	33,114	18.5	64,951	33.7	1.8	47,564
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	34,892	27,414	30,340	18.1	37,233	19.3	1.1	34,648
C08Z Major Lens Procedures	34,832	31,084	27,410	18.1	36,331	18.8	1.0	65,763
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	33,656	12,580	30,562	17.5	54,011	28.0	1.6	35,541
Z40Z Follow Up After Completed Treatment W Endoscopy	32,420	31,536	28,815	16.8	32,903	17.1	1.0	25,547
X60C Injuries (Age<65)	30,388	17,288	25,190	15.8	42,778	22.2	1.4	30,236
Z64B Other Factors Influencing Health Status (Age<80)	30,252	19,339	26,610	15.7	84,315	43.7	2.8	37,815
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or (Age<60)	28,675	3,291	25,694	14.9	111,101	57.6	3.9	66,125
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	27,757	21,509	24,481	14.4	40,524	21.0	1.5	28,312
X62B Poisoning/Toxic Effects of Drugs & Other Substances (Age<60 W/O CC)	26,280	10,706	25,062	13.6	36,139	18.7	1.4	27,226
U60Z Mental Health Treatment, Sameday, W/O ECT	25,989	25,989	23,071	13.5	25,989	13.5	1.0	10,863
F72B Unstable Angina W/O Catastrophic or Severe CC	25,454	3,607	20,902	13.2	74,324	38.6	2.9	55,872
E62C Respiraty Infectn/Inflamations W/O CC	24,066	2,309	20,877	12.5	89,846	46.6	3.7	55,520
F62B Heart Failure and Shock W/O Catastrophic CC	23,826	2,323	19,052	12.4	135,952	70.5	5.7	78,292
F71B Non-Major Arrhythmia and Conduction Disorders W/O Catastrophic or Severe CC	23,600	7,886	19,201	12.2	54,129	28.1	2.3	39,365
O01D Caesarean Delivery W/O Complicating Diagnosis	23,486	55	21,054	12.2	110,772	57.5	4.7	100,473
D63B Otitis Media and Uri W/O CC	23,215	6,050	21,285	12.0	41,493	21.5	1.8	28,137
O65A Other Antenatal Admission W Severe Complicating Diagnosis	22,852	9,987	21,534	11.9	50,761	26.3	2.2	26,623
I74C Injury to Forearm, Wrist, Hand or Foot (Age<75 W/O CC)	22,787	10,432	19,456	11.8	26,638	13.9	1.2	26,410
N09Z Conisation, Vagina, Cervix and Vulva Procedures	22,489	19,366	19,681	11.7	27,418	14.2	1.2	23,366
E65B Chronic Obstructive Airway Disease W/O Catastrophic or Severe CC	22,074	2,436	18,272	11.5	115,343	59.8	5.2	63,286
Other	2,179,792	681,550	1,863,730	1,130.8	10,322,116	5,354.6	4.7	7,746,471
<b>Total</b>	<b>3,744,586</b>	<b>1,755,981</b>	<b>3,251,124</b>	<b>1,942.5</b>	<b>12,926,549</b>	<b>6,705.7</b>	<b>3.5</b>	<b>9,464,312</b>

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

Notes: 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/hse/ahs00-01.html> for Australia and each State and Territory.



Table 11.6: Selected separation and cost statistics for the 30 AR-DRGs version 4.2 with the highest number of separations, private hospitals, (a)  
Australia, 2000-01

AR-DRG	Separations	Same day separations	Public patient separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)
G44C Other Colonoscopy, Sameday	160,569	160,569	3,065	83.3	160,569	84.2	1.0	103,728
R63Z Chemotherapy	111,807	111,531	4,276	56.0	112,124	58.8	1.0	46,735
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	108,063	108,063	2,428	56.1	108,063	56.8	1.0	64,946
L61Z Admit for Renal Dialysis	84,553	84,541	22,539	43.9	84,756	44.4	1.0	32,722
C08Z Major Lens Procedures	82,915	63,670	2,030	43.0	85,064	44.6	1.0	109,862
D40Z Dental Extraction and Restorations	61,477	56,066	673	31.9	62,135	32.6	1.0	54,592
I18Z Knee Procedures	60,791	40,848	820	31.5	75,376	39.5	1.2	79,636
Z40Z Follow Up After Completed Treatment W Endoscopy	52,615	51,220	1,096	27.3	53,206	27.9	1.0	36,567
U60Z Mental Health Treatment, Sameday, W/O ECT	48,411	48,411	124	25.1	48,411	25.4	1.0	12,296
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	45,114	41,006	1,120	23.4	50,463	26.4	1.1	43,851
C60D Vaginal Delivery W/O Complicating Diagnosis	34,547	140	2,411	17.9	159,830	83.8	4.6	85,504
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	33,928	28,026	656	17.6	40,275	21.1	1.2	39,187
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	27,787	26,258	683	14.4	28,117	14.7	1.0	19,368
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex DX/Pr	24,568	11,159	1,517	12.7	37,191	19.5	1.5	46,753
L41Z Cystourethroscopy W/O CC	21,327	17,303	630	11.1	25,374	13.3	1.2	16,891
G09Z Inguinal and Femoral Hernia Procedures (Age>0)	20,950	2,622	675	10.9	36,564	19.2	1.7	35,322
I16Z Other Shoulder Procedures	18,960	1,523	282	9.8	37,770	19.8	2.0	36,308
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	18,805	10,906	584	9.8	30,190	15.8	1.6	20,963
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	18,598	17,432	605	9.6	19,294	10.1	1.0	13,539
J10Z Skin, Subcutaneous Tissue and Breast Plastic O.R. Procedures	18,358	12,786	195	9.5	23,770	12.5	1.3	27,445
G42B Other Gastroscopy for Major Digestive Disease, Sameday	18,329	18,329	272	9.5	18,329	9.6	1.0	11,254
E63Z Sleep Apnoea	18,295	112	243	9.5	18,987	10.0	1.0	9,971
J08B Other Skin Graft and/or Debridement Procedures W/O Catastrophic or Severe CC	17,837	13,378	147	9.3	24,955	13.1	1.4	25,079
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	17,157	116	902	8.9	41,652	21.6	2.4	44,334
D11Z Tonsillectomy or Adenoidectomy	17,154	4,094	428	8.9	18,899	9.9	1.1	16,108
I26Z Other Wrist and Hand Procedures	16,353	10,877	432	8.5	18,766	9.8	1.1	20,098
I68C Non-surgical Neck & Back Conditions W Pain Management Proc/Myelogram	16,000	12,143	1,153	8.3	29,196	15.3	1.8	16,128
N04Z Hysterectomy for Non-Malignancy	15,544	35	647	8.1	78,694	41.2	5.1	50,005
C01D Caesarean Delivery W/O Complicating Diagnosis	15,167	11	633	7.9	94,239	49.4	6.2	58,561
Z64B Other Factors influencing Health Status (Age<80)	15,111	12,738	614	7.8	27,657	14.5	1.8	16,652
Other	983,594	325,248	41,375	510.2	4,452,764	2,333.6	4.5	2,796,368
<b>Total</b>	<b>2,204,704</b>	<b>1,296,151</b>	<b>93,255</b>	<b>1,155.5</b>	<b>6,102,682</b>	<b>3,198.3</b>	<b>2.8</b>	<b>3,990,777</b>

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

Notes: 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/hse/atrs00-01.html> for Australia and each State and Territory.

Table 11.7: Selected separation and cost statistics for the 30 AR-DRGs version 4.2 with the highest number of separations, private free-standing day hospitals, (a) Australia, (b) 2000-01

AR-DRG	Separations	Same day separations	Public patient separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)
G44C	59,905	59,905	566	32.4	59,905	32.4	1.0	38,699
G45B	45,942	45,942	618	24.8	45,942	24.8	1.0	27,611
C08Z	33,471	33,471	153	18.1	33,471	18.1	1.0	44,349
R63Z	23,763	23,763	429	12.8	23,763	12.8	1.0	9,933
O40Z	15,027	15,027	10	8.1	15,027	8.1	1.0	10,474
J11Z	14,490	14,490	0	7.8	14,490	7.8	1.0	14,084
Z40Z	13,453	13,453	55	7.3	13,453	7.3	1.0	9,350
L51Z	9,471	9,471	4,867	5.1	9,471	5.1	1.0	3,665
D40Z	9,468	9,468	475	5.1	9,468	5.1	1.0	8,408
G42B	7,559	7,559	37	4.1	7,559	4.1	1.0	4,641
J08B	6,333	6,333	0	3.4	6,333	3.4	1.0	8,904
N07Z	6,205	6,205	0	3.4	6,205	3.4	1.0	7,167
J10Z	5,025	5,025	0	2.7	5,025	2.7	1.0	7,512
N11B	4,091	4,091	0	2.2	4,091	2.2	1.0	3,526
C11Z	3,277	3,277	0	1.8	3,277	1.8	1.0	4,204
R61C	3,132	3,132	15	1.7	3,132	1.7	1.0	1,353
I18Z	2,975	2,975	0	1.6	2,975	1.6	1.0	2,897
C14Z	2,955	2,955	1	1.6	2,955	1.6	1.0	2,515
F42B	2,702	2,702	1,295	1.5	2,702	1.5	1.0	5,142
G11B	2,627	2,627	13	1.4	2,627	1.4	1.0	2,929
E63Z	2,626	37	0	1.4	2,626	1.4	1.0	1,431
Q61C	2,477	2,477	20	1.3	2,477	1.3	1.0	2,214
C09Z	2,361	2,361	0	1.3	2,361	1.3	1.0	3,690
C12Z	1,981	1,981	0	1.1	1,981	1.1	1.0	1,922
Z64B	1,688	1,688	18	0.9	1,688	0.9	1.0	1,860
C04Z	1,663	1,663	0	0.9	1,663	0.9	1.0	3,153
N10Z	1,589	1,589	1	0.9	1,589	0.9	1.0	1,157
N09Z	1,504	1,504	0	0.8	1,504	0.8	1.0	1,186
961Z	1,477	1,476	1	0.8	1,477	0.8	1.0	1,186
J06B	1,474	1,474	0	0.8	1,474	0.8	1.0	3,031
Other	40,855	40,715	1,206	22.1	40,855	22.1	1.0	63,479
<b>Total</b>	<b>331,566</b>	<b>328,836</b>	<b>9,780</b>	<b>179.3</b>	<b>331,566</b>	<b>179.3</b>	<b>1.0</b>	<b>302,673</b>

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

(b) Excludes separations from private free-standing day hospitals in Tasmania.

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

Table 11.8: Selected separation and cost statistics for the 30 AR-DRGs version 4.2 with the highest number of separations, public psychiatric hospitals, (a) Australia, 2000-01

AR-DRG	Separations	Same day separations	Public patient separations	Separations per 10,000 population	Patient days	Patient days per 10,000 population	ALOS (days)	Cost by volume (\$'000)
U61A	2,634	0	2,506	1.4	163,507	84.3	62.1	19,502
U67Z	2,499	0	2,447	1.3	20,145	10.5	8.1	7,072
U60Z	2,355	2,355	2,310	1.2	2,355	1.2	1.0	984
U63B	2,237	0	2,192	1.2	42,982	22.3	19.2	11,896
U61B	1,204	0	1,130	0.6	70,451	36.5	58.5	5,381
Z64B	754	391	754	0.4	1,901	1.0	2.5	943
U62A	585	0	575	0.3	12,384	6.4	21.2	3,159
V61B	533	12	522	0.3	4,881	2.5	9.2	1,189
960Z	467	30	438	0.2	48,081	24.9	103.0	2,589
U64Z	428	0	416	0.2	5,448	2.8	12.7	1,336
V60Z	418	67	414	0.2	14,849	7.7	35.5	573
V63Z	408	31	408	0.2	1,496	0.8	3.7	750
B63Z	373	4	357	0.2	56,529	29.3	151.6	2,373
V62A	315	0	313	0.2	3,098	1.5	9.8	832
V64Z	309	17	306	0.2	1,871	1.0	6.1	710
U63A	281	0	278	0.1	19,188	10.0	66.3	2,676
U62B	150	0	149	0.1	2,121	1.1	14.1	577
U65Z	128	0	124	0.1	1,477	0.8	11.5	302
V61A	106	0	106	0.1	1,154	0.6	10.9	344
B64Z	78	6	77	<0.1	3,716	1.9	47.6	363
B81B	67	4	66	<0.1	8,141	4.2	121.5	144
U40Z	49	49	49	<0.1	49	<0.1	1.0	35
U68Z	47	0	46	<0.1	763	0.4	16.2	180
U66Z	43	0	43	<0.1	817	0.4	19.0	399
O61Z	21	1	21	<0.1	239	0.1	11.4	26
V62B	16	16	16	<0.1	16	<0.1	1.0	7
961Z	12	0	12	<0.1	105	0.1	8.6	17
B67B	12	0	11	<0.1	2,302	1.2	191.8	34
B76B	11	0	11	<0.1	402	0.2	36.5	15
B50B	8	1	8	<0.1	87	<0.1	10.9	42
Other	37	2	37	<0.1	3,104	1.6	83.9	224
<b>Total</b>	<b>16,585</b>	<b>2,986</b>	<b>16,142</b>	<b>8.6</b>	<b>493,659</b>	<b>258.1</b>	<b>29.8</b>	<b>65,674</b>

(a). Separations for which the care type 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 11.9: Separations for the 30 AR-DRGs version 4.2 with the highest number of separations, (b) public hospitals, States and Territories, 2000-01

AR-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
L61Z Admit for Renal Dialysis	134,612	153,961	72,123	51,326	34,890	9,897	11,667	18,874	487,350
R63Z Chemotherapy	8,742	39,106	26,932	15,687	15,078	907	4,978	788	112,218
O60D Vaginal Delivery W/O Complicating Diagnosis	37,807	25,274	20,829	8,316	7,127	2,041	1,833	1,630	104,857
G44C Other Colonoscopy, Same-day	21,166	13,611	9,838	8,947	5,726	570	1,180	472	61,610
G45B Other Gastroscopy for Non-Major Digestive Disease, Same-day	16,183	15,527	10,209	7,337	5,613	691	1,024	513	57,097
F74Z Chest Pain	17,222	13,133	9,045	2,946	4,036	482	401	593	47,859
G67B Esophagitis, Gastroent & Misc Digestive System Disorders (Age>9 W/O Cat/Sev CC)	16,741	11,003	8,530	3,866	4,370	704	266	312	45,792
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	9,099	8,403	9,559	3,371	5,306	729	467	227	37,161
O65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	11,665	9,051	7,157	2,406	3,933	638	361	1,047	36,258
E69C Bronchitis and Asthma (Age<50 W/O CC)	13,316	7,753	5,874	3,509	3,977	376	422	375	35,602
O40Z Abortion W D&C, Aspiration Curettage or Hysterectomy	9,042	10,170	3,672	2,829	6,868	745	324	1,242	34,892
C08Z Major Lens Procedures	11,786	10,374	4,203	3,841	3,865	113	335	315	34,832
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	12,614	9,779	5,431	2,553	2,208	530	313	228	33,656
Z40Z Follow Up After Completed Treatment W Endoscopy	9,354	8,652	5,897	3,850	3,637	468	547	165	32,420
X60C Injuries (Age<65)	9,200	6,866	9,635	2,068	1,424	359	160	676	30,386
Z64B Other Factors Influencing Health Status (Age<60)	7,425	9,075	6,588	2,694	3,002	498	621	349	30,252
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or (Age<60)	9,621	5,934	6,288	3,059	1,861	392	281	1,239	28,675
G61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	7,007	9,588	3,907	2,452	2,695	567	1,390	151	27,757
X62B Poisoning/Toxic Effects of Drugs & Other Substances (Age<60 W/O CC)	8,184	6,708	5,881	2,645	1,910	477	255	220	26,260
U60Z Mental Health Treatment, Same-day, W/O ECT	10,289	5,305	3,630	4,446	2,012	167	77	63	25,989
F72B Unstable Angina W/O Catastrophic or Severe CC	9,061	6,765	5,535	1,402	1,616	544	251	280	25,454
E62C Respiratory Infection/Inflammations W/O CC	8,925	5,532	4,123	2,274	1,732	362	356	762	24,066
F62B Heart Failure and Shock W/O Catastrophic CC	8,870	6,132	3,936	1,946	2,004	453	237	248	23,826
F71B Non-Major Arrhythmia and Conduction Disorders W/O Catastrophic or Severe CC	8,978	5,681	4,233	1,987	1,606	557	398	160	23,600
O01D Caesarean Delivery W/O Complicating Diagnosis	7,872	5,621	5,017	2,068	1,718	453	401	336	23,486
D63B Otitis Media and Uri W/O CC	8,754	4,310	4,650	2,427	2,183	310	275	306	23,215
O65A Other Antenatal Admission W Severe Complicating Diagnosis	8,066	5,822	3,824	1,615	2,639	245	209	432	22,852
I74C Injury to Forearm, Wrist, Hand or Foot (Age<75 W/O CC)	8,497	5,016	5,369	1,635	1,264	322	359	325	22,787
N09Z Conisation, Vagina, Cervix and Vulva Procedures	6,107	6,161	5,316	1,406	2,545	404	221	329	22,489
E65B Chronic Obstructive Airway Disease W/O Catastrophic or Severe CC	8,865	5,119	3,789	1,690	1,670	454	198	289	22,074
Other	732,143	560,403	379,332	198,981	208,668	44,603	30,487	25,165	2,179,792
<b>Total</b>	<b>1,197,213</b>	<b>995,835</b>	<b>660,153</b>	<b>355,579</b>	<b>347,233</b>	<b>70,168</b>	<b>60,304</b>	<b>58,111</b>	<b>3,744,586</b>

(a) Separations for which the care type 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 11.10: Separations for the 30 AR-DRGs version 4.2 with the highest number of separations, (4) private hospitals, States and Territories, 2000-01

AR-DRG	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
G44C Other Colonoscopy, Same day	52,248	40,413	39,890	15,065	10,100	n.p.	n.p.	n.a.	160,569
R83Z Chemotherapy	22,126	31,348	32,440	11,163	11,251	n.p.	n.p.	n.a.	111,807
G45B Other Gastroscopy for Non-Major Digestive Disease, Same day	30,045	33,880	26,710	8,353	6,776	n.p.	n.p.	n.a.	108,063
L61Z Admit for Renal Dialysis	15,525	17,881	26,502	13,238	11,407	0	0	n.a.	84,553
C08Z Major Lens Procedures	30,515	16,995	18,721	6,912	6,148	n.p.	n.p.	n.a.	82,915
D40Z Dental Extraction and Restorations	16,768	17,408	11,537	9,033	4,662	n.p.	n.p.	n.a.	61,477
I18Z Knee Procedures	18,888	15,997	8,940	7,437	7,262	1,307	960	n.a.	60,791
Z40Z Follow Up After Completed Treatment W Endoscopy	20,471	11,753	11,071	4,998	3,030	1,145	147	n.a.	52,615
U60Z Mental Health Treatment, Same day, W/O ECT	9,748	20,390	9,486	7,138	36	n.p.	n.p.	n.a.	48,411
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	12,872	9,806	10,575	5,127	4,034	n.p.	n.p.	n.a.	45,114
O60D Vaginal Delivery W/O Complicating Diagnosis	10,503	8,711	6,558	4,572	2,073	n.p.	n.p.	n.a.	34,547
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	11,142	9,211	7,514	3,070	1,666	n.p.	n.p.	n.a.	33,928
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	13,555	6,873	2,112	3,953	796	343	155	n.a.	27,787
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex DX/Pr	8,723	5,915	4,958	2,355	1,841	n.p.	n.p.	n.a.	24,568
L41Z Cystourethroscopy W/O CC	7,471	4,986	3,778	2,427	1,617	n.p.	n.p.	n.a.	21,327
G09Z Inguinal and Femoral Hernia Procedures (Age>0)	6,900	4,895	4,307	2,275	1,608	552	413	n.a.	20,950
I16Z Other Shoulder Procedures	5,557	4,578	2,920	3,256	2,059	278	312	n.a.	18,960
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	7,345	3,818	3,944	1,833	1,296	407	162	n.a.	18,805
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	5,950	5,184	3,387	1,755	1,551	n.p.	n.p.	n.a.	18,598
J10Z Skin, Subcutaneous Tissue and Breast Plastic O.R. Procedures	5,009	3,972	5,222	1,674	1,763	n.p.	n.p.	n.a.	18,358
G42B Other Gastroscopy for Major Digestive Disease, Same day	6,353	5,001	4,087	1,544	1,113	n.p.	n.p.	n.a.	18,329
E63Z Sleep Apnoea	7,324	4,520	3,997	346	1,428	n.p.	n.p.	n.a.	16,295
J08B Other Skin Graft and/or Debridement Procedures W/O Catastrophic or Severe CC	5,750	3,317	4,424	930	2,881	n.p.	n.p.	n.a.	17,837
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	5,446	3,953	3,738	1,918	1,302	487	313	n.a.	17,157
D11Z Tonsillectomy or Adenoidectomy	5,725	3,295	3,909	2,151	1,555	n.p.	n.p.	n.a.	17,154
I26Z Other Wrist and Hand Procedures	4,429	4,286	3,367	1,921	1,674	n.p.	n.p.	n.a.	16,353
I68C Non-surgical Neck & Back Conditions W Pain Management Proc/Myelogram	3,337	3,631	1,472	4,908	1,592	n.p.	n.p.	n.a.	16,000
N04Z Hysterectomy for Non-Malignancy	4,651	3,252	3,259	2,020	1,440	n.p.	n.p.	n.a.	15,544
O01D Caesarean Delivery W/O Complicating Diagnosis	4,266	3,411	3,708	2,105	1,000	n.p.	n.p.	n.a.	15,187
Z64B Other Factors Influencing Health Status (Age<80)	2,358	6,854	2,812	1,337	1,340	n.p.	n.p.	n.a.	15,111
Other	252,432	255,696	231,478	111,679	86,672	33,512	12,125	n.a.	963,594
<b>Total</b>	<b>613,632</b>	<b>571,230</b>	<b>506,803</b>	<b>246,493</b>	<b>182,973</b>	<b>58,984</b>	<b>24,589</b>	<b>n.a.</b>	<b>2,204,704</b>

(a) Separations for which the care type 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 11.11: Average length of stay (days) for the 30 AR-DRGs version 4.2 with the highest number of separations, public hospitals, (6) States and Territories, 2000-01

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	2.9	2.9	2.6	3.2	3.0	3.6	2.8	3.5	2.9
G44C Other Colonoscopy, Sameday	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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	1.0	1.0
F74Z Chest Pain	1.8	1.5	1.8	1.8	1.8	1.9	1.7	2.1	1.7
G67B Oesophagitis, Gastroent & Misc Digestive System Disorders (Age>9 W/O Cat/Sev CC)	2.2	2.0	2.0	2.3	2.0	2.8	2.5	2.5	2.1
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	1.5	1.2	1.2	1.2	1.1	1.2	1.1	2.0	1.3
O65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	1.8	1.6	1.6	1.9	1.5	1.8	3.0	1.5	1.7
E69C Bronchitis and Asthma (Age<50 W/O CC)	1.8	1.7	1.8	2.1	1.9	2.1	2.0	2.2	1.8
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	1.1	1.0	1.1	1.1	1.0	1.1	1.2	1.1	1.1
C08Z Major Lens Procedures	1.0	1.1	1.0	1.0	1.0	1.0	1.0	1.1	1.0
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	1.6	1.4	1.6	1.8	1.7	1.8	1.7	2.2	1.6
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
X60C injuries (Age<65)	1.5	1.3	1.3	1.8	1.6	1.6	2.2	2.2	1.4
Z64B Other Factors Influencing Health Status (Age<80)	3.8	2.5	2.2	1.4	2.7	10.7	1.4	4.0	2.8
J64B Cellulitis (Age>59 W/O Catastrophic or Severe CC) or (Age<80)	3.9	4.6	3.4	3.6	3.4	4.1	4.5	4.0	3.9
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	1.8	1.3	1.4	1.4	1.4	1.7	1.2	2.2	1.5
X62B Poisoning/Toxic Effects of Drugs & Other Substances (Age<60 W/O CC)	1.4	1.3	1.4	1.2	1.5	1.8	2.3	1.8	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
F72B Unstable Angina W/O Catastrophic or Severe CC	3.2	2.6	3.0	2.5	3.0	3.2	3.2	3.0	2.9
E62C Respiratory Infectn/Inflamations W/O CC	4.0	3.6	3.4	3.5	3.5	4.4	3.8	4.1	3.7
F62B Heart Failure and Shock W/O Catastrophic CC	6.1	5.0	5.6	5.8	5.8	7.5	6.5	5.0	5.7
F71B Non-Major Arrhythmia and Conduction Disorders W/O Catastrophic or Severe CC	2.5	2.2	2.4	1.9	2.1	2.3	1.7	2.2	2.3
O01D Caesarean Delivery W/O Complicating Diagnosis	4.9	4.8	4.1	4.9	5.0	4.9	4.7	5.9	4.7
D63B Otitis Media and Urt W/O CC	1.9	1.8	1.6	1.9	1.7	1.8	2.1	2.2	1.8
O65A Other Antenatal Admission W Severe Complicating Diagnosis	2.3	2.1	2.0	2.5	2.0	2.8	4.4	3.2	2.2
I74C Injury to Forearm, Wrist, Hand or Foot (Age<75 W/O CC)	1.2	1.1	1.1	1.2	1.3	1.2	1.2	1.9	1.2
N09Z Conisation, Vagina, Cervix and Vulva Procedures	1.3	1.2	1.1	1.3	1.2	1.4	1.4	1.2	1.2
E65B Chronic Obstructive Airway Disease W/O Catastrophic or Severe CC	5.6	4.5	5.0	5.5	5.1	7.7	6.1	5.5	5.2
Other	5.1	4.4	4.3	4.7	4.6	5.5	5.1	5.1	4.7
<b>Total</b>	<b>3.9</b>	<b>3.2</b>	<b>3.2</b>	<b>3.3</b>	<b>3.4</b>	<b>4.2</b>	<b>3.3</b>	<b>3.2</b>	<b>3.5</b>

(a) Separations for which the care type 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 11.12: Average length of stay (days) for the 30 AR-DRGs version 4.2 with the highest number of separations, private hospitals, States and Territories, 2000-01

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	n.p.	n.p.	n.a.	1.0
R63Z Chemotherapy	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.a.	1.0
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.a.	1.0
L61Z Admit for Renal Dialysis	1.0	1.0	1.0	1.0	1.0	0.0	0.0	n.a.	1.0
C08Z Major Lens Procedures	1.0	1.0	1.0	1.1	1.0	n.p.	n.p.	n.a.	1.0
D40Z Dental Extraction and Restorations	1.0	1.0	1.0	1.0	1.0	n.p.	n.p.	n.a.	1.0
I18Z Knee Procedures	1.2	1.3	1.2	1.3	1.3	1.2	1.1	n.a.	1.2
Z40Z Follow Up After Completed Treatment W Endoscopy	1.0	1.0	1.0	1.0	1.0	1.0	1.0	n.a.	1.0
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
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	1.1	1.1	1.1	1.1	1.1	n.p.	n.p.	n.a.	1.1
C60D Vaginal Delivery W/O Complicating Diagnosis	4.5	4.7	4.6	4.7	4.8	n.p.	n.p.	n.a.	4.6
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	1.2	1.2	1.1	1.3	1.3	n.p.	n.p.	n.a.	1.2
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	1.0	1.0	1.0	1.0	1.1	1.0	1.0	n.a.	1.0
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex DX/Pr	1.3	1.7	1.7	1.3	1.6	n.p.	n.p.	n.a.	1.5
L41Z Cystourethroscopy W/O CC	1.1	1.2	1.2	1.2	1.2	n.p.	n.p.	n.a.	1.2
G09Z Inguinal and Femoral Hernia Procedures (Age>0)	1.8	1.8	1.5	1.8	2.1	2.0	1.5	n.a.	1.7
I16Z Other Shoulder Procedures	2.0	2.0	2.1	1.8	2.0	2.4	1.9	n.a.	2.0
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	1.4	1.7	1.7	2.0	2.0	1.8	1.9	n.a.	1.6
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	1.0	1.0	1.1	1.0	1.0	n.p.	n.p.	n.a.	1.0
J10Z Skin, Subcutaneous Tissue and Breast Plastic O.R. Procedures	1.3	1.4	1.2	1.5	1.3	n.p.	n.p.	n.a.	1.3
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
E63Z Sleep Apnoea	1.0	1.0	1.0	1.1	1.0	n.p.	n.p.	n.a.	1.0
J08B Other Skin Graft and/or Debridement Procedures W/O Catastrophic or Severe CC	1.4	1.6	1.3	1.9	1.2	n.p.	n.p.	n.a.	1.4
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	2.3	2.7	2.3	2.5	2.6	2.3	2.2	n.a.	2.4
D11Z Tonsillectomy or Adenoidectomy	1.1	1.2	1.0	1.1	1.1	n.p.	n.p.	n.a.	1.1
I26Z Other Wrist and Hand Procedures	1.1	1.2	1.1	1.2	1.1	n.p.	n.p.	n.a.	1.1
I68C Non-surgical Neck & Back Conditions W Pain Management Proc/Myelogram	1.9	2.3	2.1	1.5	1.5	n.p.	n.p.	n.a.	1.8
N04Z Hysterectomy for Non-Malignancy	4.9	5.5	4.6	5.3	5.3	n.p.	n.p.	n.a.	5.1
O01D Caesarean Delivery W/O Complicating Diagnosis	6.2	6.2	5.7	6.8	6.6	n.p.	n.p.	n.a.	6.2
Z64B Other Factors Influencing Health Status (Age<80)	1.8	1.3	2.0	1.6	4.4	n.p.	n.p.	n.a.	1.6
Other	4.3	4.6	4.7	4.2	4.9	4.7	4.9	n.a.	4.5
<b>Total</b>	<b>2.6</b>	<b>2.8</b>	<b>2.8</b>	<b>2.7</b>	<b>3.1</b>	<b>3.3</b>	<b>3.3</b>	<b>n.a.</b>	<b>2.8</b>

(a) Separations for which the case type 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 11.13: Separations for males for the 30 AR-DRGs version 4.2 with the highest number of separations, by age group, all hospitals, (a)  
Australia, 2000-01**

AR-DRG	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total <sup>(b)</sup>
L61Z Admit for Renal Dialysis	6	123	628	6,895	23,573	38,778	53,666	60,721	87,873	56,297	1,694	330,254
R63Z Chemotherapy	27	1,096	1,582	1,873	3,046	5,847	14,986	28,961	33,208	15,505	1,070	107,199
G44C Other Colonoscopy, Same-day	10	43	251	2,120	6,305	13,061	21,812	23,998	21,560	11,575	1,138	101,873
G45B Other Gastroscopy for Non-Major Digestive Disease, Same-day	202	538	1,076	3,397	7,822	12,082	14,780	13,723	12,171	7,281	1,001	74,073
I18Z Knee Procedures	3	9	557	7,376	9,840	10,531	9,699	6,696	3,531	1,273	106	49,621
C08Z Major Lens Procedures	1	2	16	58	138	551	2,046	5,371	14,560	20,710	4,323	47,776
Z40Z Follow Up After Completed Treatment W Endoscopy	13	40	65	228	1,152	4,331	8,227	9,881	11,231	7,345	1,021	43,534
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	185	717	1,847	2,023	2,890	4,592	6,480	6,903	7,637	7,055	1,681	42,010
D40Z Dental Extraction and Restorations	7	4,519	6,478	12,343	5,859	2,675	1,543	940	566	382	88	35,400
G09Z Inguinal and Femoral Hernia Procedures (Age>0)	0	1,277	1,063	1,675	2,740	4,059	5,972	6,441	5,983	3,843	640	33,693
U60Z Mental Health Treatment, Same-day, W/O ECT	1,453	380	2,518	4,363	4,481	4,868	6,676	3,528	861	2,709	244	32,282
F74Z Chest Pain	1	6	120	573	2,003	4,890	6,997	6,268	5,089	3,420	758	30,125
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex DX/Pr	5	14	44	148	342	1,549	4,817	7,458	7,536	3,836	219	25,968
L41Z Cystourethroscopy W/O CC	127	204	297	526	1,275	2,544	4,131	4,441	4,976	3,878	795	23,194
G67B Oesophagitis, Gastroent & Misc Digestive System Disorders Age>9 W/O Cat/Sev CC	0	0	1,382	2,690	3,425	3,043	2,830	2,711	2,958	2,904	952	22,895
I26Z Other Wrist and Hand Procedures	50	408	878	4,989	4,398	3,113	2,844	2,609	2,189	1,104	119	22,701
X60C Injuries (Age<65)	68	1,288	2,583	5,346	5,025	3,658	2,365	1,511	0	0	0	21,844
E69C Bronchitis and Asthma (Age<50 W/O CC)	823	8,817	6,315	1,838	1,313	944	488	0	0	0	0	20,538
Z64B Other Factors influencing Health Status (Age<80)	567	842	1,148	1,033	1,564	1,974	3,087	4,426	3,868	1,630	0	20,139
G11B Anal and Stomal Procedures W/O Catastrophic or Severe CC	177	57	138	690	2,455	4,569	5,155	3,670	2,183	856	115	20,065
J64B Cellulitis (Age>9 W/O Catastrophic or Severe CC) or (Age<60)	274	1,092	1,515	2,823	3,156	2,911	2,804	1,953	1,514	1,218	360	19,620
Q61C Red Blood Cell Disorders W/O Catastrophic or Severe CC	90	292	831	1,154	1,521	1,600	2,352	2,445	3,141	3,297	1,079	17,802
F71B Non-Major Arrhythmia and Conduction Disorders W/O Catastrophic or Severe CC	26	9	61	218	623	1,160	2,336	3,686	4,903	3,582	760	17,364
E63Z Sleep Apnoea	76	213	203	222	1,078	2,894	5,012	4,166	2,305	1,134	57	17,360
F72B Unstable Angina W/O Catastrophic or Severe CC	0	0	1	1	98	923	2,840	4,027	4,667	3,733	945	17,235
D11Z Tonsillectomy or Adenoidectomy	34	5,745	7,577	2,108	948	445	173	90	41	11	2	17,172
R61C Lymphoma and Non-Acute Leukaemia, Same-day	0	60	73	181	393	894	2,253	3,492	4,359	4,253	908	16,866
I74C Injury to Forearm, Wrist, Hand or Foot (Age<75 W/O CC)	14	979	8,550	2,905	1,602	1,027	729	400	265	0	0	16,471
L64Z Urinary Stones and Obstruction	17	15	40	441	1,861	3,405	4,330	3,205	2,127	753	125	16,319
M02B Transurethral Prostatectomy W/O Catastrophic or Severe CC	0	0	0	0	4	34	559	3,104	6,170	5,147	946	15,964
Other	75,937	75,257	80,057	105,478	125,922	147,213	168,284	189,591	232,641	214,546	65,282	1,480,210
<b>Total</b>	<b>80,193</b>	<b>104,040</b>	<b>127,894</b>	<b>175,715</b>	<b>226,852</b>	<b>290,165</b>	<b>370,473</b>	<b>416,417</b>	<b>490,111</b>	<b>399,277</b>	<b>86,428</b>	<b>2,757,567</b>

(a) Separations for which the care type 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 11.14: Separations for females for the 30 AR-DRGs version 4.2 with the highest number of separations, by age group, all hospitals, (a)  
Australia, 2000-01**

AR-DRG	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85+	Total <sup>(b)</sup>
I61Z Admit for Renal Dialysis	0	0	284	4,264	14,696	26,320	36,681	50,024	71,457	36,424	1,499	241,649
C60D Vaginal Delivery W/O Complicating Diagnosis	0	0	61	31,224	67,755	20,278	66	0	0	0	0	139,404
G44C Other Colonoscopy, Same-day	8	34	209	3,652	6,399	16,101	26,518	27,651	23,520	12,714	1,498	120,304
R63Z Chemotherapy	62	841	1,501	1,303	3,718	12,948	28,028	29,223	26,227	11,991	984	116,826
G45B Other Gastroscopy for Non-Major Digestive Disease, Same-day	101	350	1,016	4,471	8,188	13,504	19,006	17,943	15,096	9,472	1,898	91,085
C08Z Major Lens Procedures	1	1	17	36	95	409	1,800	5,921	20,904	32,187	8,600	69,971
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	0	0	132	19,418	28,364	14,421	354	0	0	0	0	62,679
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	3	3	136	4,293	17,584	19,583	7,590	2,756	1,158	380	57	53,945
D40Z Dental Extraction and Restorations	7	3,707	6,919	21,112	8,348	3,530	2,036	1,006	558	391	139	47,755
C65B Other Antenatal Admission W Moderate or No Complicating Diagnosis	1,191	176	946	7,187	8,822	8,401	8,725	3,692	1,731	1,032	214	42,663
U60Z Mental Health Treatment, Same-day, W/O ECT	2	26	60	635	1,819	5,448	9,433	9,462	8,770	5,089	755	41,500
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	197	761	2,074	2,842	3,903	5,783	6,985	5,838	5,226	4,796	1,858	40,263
N10Z Diagnostic Curettage or Diagnostic Hysteroscopy	0	1	16	1,168	4,889	9,390	13,554	6,029	2,753	1,034	195	39,029
O01D Caesarean Delivery W/O Complicating Diagnosis	0	0	10	5,018	24,769	8,810	66	0	0	0	0	38,673
N09Z Conisation, Vagina, Cervix and Vulva Procedures	18	118	199	6,332	10,629	7,759	5,704	2,732	1,485	723	164	35,643
G67B Oesophagitis, Gastroent & Misc Digestive System Disorders (Age>9 W/O Cat/Sev CC)	0	0	1,272	3,931	4,641	3,695	4,042	3,922	4,356	4,746	2,434	33,041
I18Z Knee Procedures	0	4	528	3,534	3,880	5,194	6,650	5,686	4,132	1,880	191	31,679
N06Z Endoscopic Procedures for Female Reproductive System	2	0	62	3,917	12,718	11,604	2,210	401	136	46	4	31,102
N04Z Hysterectomy for Non-Malignancy	0	0	3	52	2,231	10,444	11,439	3,256	2,110	1,078	141	30,754
F74Z Chest Pain	0	8	104	630	1,495	3,269	5,691	5,334	4,924	4,375	1,634	27,464
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	1	4	73	1,900	4,819	5,364	5,818	4,743	3,129	1,412	195	27,458
O65A Other Antenatal Admission W Severe Complicating Diagnosis	0	0	14	6,332	15,289	4,623	43	0	0	0	0	26,301
O60B Vaginal Delivery W Severe Complicating Diagnosis	0	0	13	6,213	15,437	4,476	31	0	0	0	0	26,170
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	86	290	2,559	5,218	4,984	3,990	2,965	1,956	1,620	1,401	560	25,629
Z64B Other Factors Influencing Health Status (Age<80)	506	712	720	1,856	4,768	3,476	4,050	4,112	3,451	1,572	0	25,223
O61Z Postpartum and Post Abortion W/O O.R. Procedure	2	0	8	4,144	14,056	4,125	49	2	0	0	0	22,386
Q61C Red Blood Cell Disorders W/C Catastrophic or Severe CC	53	192	618	1,227	1,821	2,714	3,456	2,370	3,503	4,021	1,680	21,655
O64Z False Labour	0	0	29	7,165	11,568	2,444	17	0	0	0	0	21,243
D11Z Tonsillectomy or Adenoidectomy	16	3,765	7,923	4,647	1,388	470	158	81	28	16	1	18,513
Other	55,901	60,475	66,907	109,838	168,819	177,955	191,581	186,112	218,835	245,128	119,178	1,599,730
<b>Total</b>	<b>58,157</b>	<b>71,628</b>	<b>94,456</b>	<b>286,181</b>	<b>523,526</b>	<b>421,852</b>	<b>404,810</b>	<b>380,262</b>	<b>425,091</b>	<b>381,910</b>	<b>143,880</b>	<b>3,191,654</b>

(a) Separations for which the care type 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 11.16: Separations for Group 2 Error DRGs for the 10 principal diagnoses with the highest number of separations,<sup>(a)</sup> by hospital sector, States and Territories, 2000-01

Principal diagnosis	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Total
	Public hospitals								
Z91.5 Personal history of self-harm	170	0	0	0	0	0	0	2	172
Z87.12 Personal history of colonic polyps	69	0	0	0	0	0	0	0	69
Z51.5 Palliative care	36	21	0	0	0	0	4	0	61
P07.3 Other preterm infants	27	1	4	7	8	2	1	9	59
O80 Single spontaneous delivery	28	2	0	0	8	2	0	4	44
S61.81 Open wound (of any part of wrist and hand) communicating with a fracture	22	0	15	3	0	0	2	1	43
Z85.0 Personal history of malignant neoplasm of digestive organs	42	0	0	0	0	0	0	0	42
P07.2 Extreme immaturity	24	0	0	3	1	2	1	1	32
Z85.5 Personal history of malignant neoplasm of urinary tract	21	0	0	0	0	0	0	0	21
Z64.0 Problems related to unwanted pregnancy	19	0	0	0	0	0	0	0	19
Other	284	3	44	14	7	4	0	8	364
<b>Total</b>	<b>742</b>	<b>27</b>	<b>63</b>	<b>27</b>	<b>24</b>	<b>10</b>	<b>8</b>	<b>25</b>	<b>926</b>
Private hospitals									
O09.1 Duration of pregnancy 5-13 completed weeks	1004	0	0	0	0	0	0	n.a.	1004
Z87.12 Personal history of colonic polyps	180	0	0	0	0	0	0	n.a.	180
Z85.0 Personal history of malignant neoplasm of digestive organs	71	0	0	0	0	0	0	n.a.	71
O09.2 Duration of pregnancy 14-19 completed weeks	44	0	0	0	0	0	0	n.a.	44
P07.3 Other preterm infants	38	2	1	0	0	n.p.	n.p.	n.a.	43
Z32.1 Pregnancy confirmed	37	0	0	0	0	0	0	n.a.	37
Z51.5 Palliative care	24	7	0	0	0	n.p.	n.p.	n.a.	33
Z87.11 Personal history of peptic ulcer disease	32	0	0	0	0	0	0	n.a.	32
Z87.18 Personal history of other digestive system disease	28	0	0	0	0	0	0	n.a.	28
Z64.0 Problems related to unwanted pregnancy	24	0	0	0	0	0	0	n.a.	24
Other	95	2	12	7	2	6	0	n.a.	128
<b>Total</b>	<b>1,581</b>	<b>11</b>	<b>13</b>	<b>7</b>	<b>2</b>	<b>n.p.</b>	<b>n.p.</b>	<b>n.a.</b>	<b>1,624</b>

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

n.a. not available.

n.p. not published

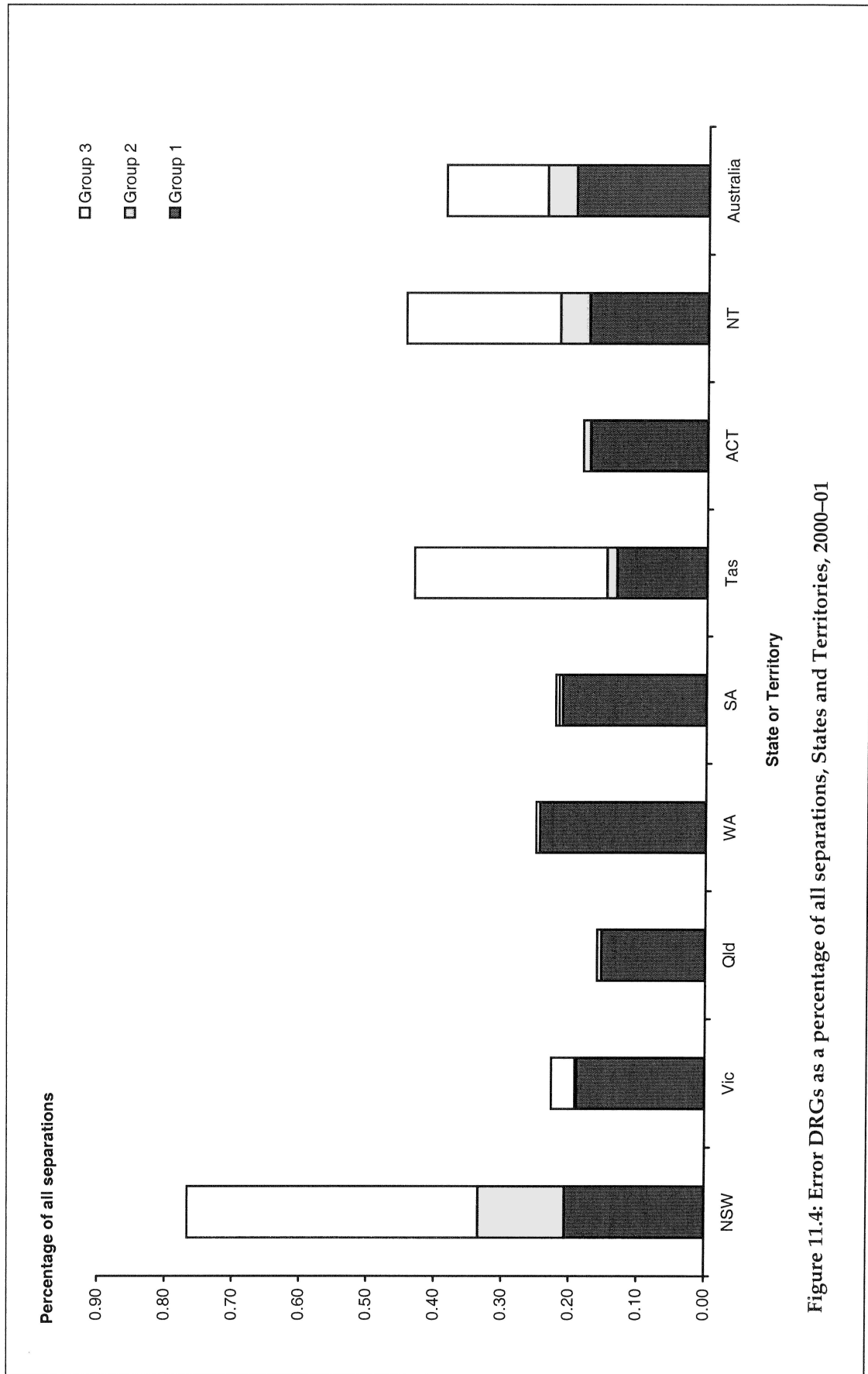


Figure 11.4: Error DRGs as a percentage of all separations, States and Territories, 2000-01

Table 11.17: Separations for the 30 AR-DRGs with the largest changes in the total numbers of separations, (a) 1999-00 to 2000-01

AR-DRG	Private hospitals			Public hospitals		
	1999-00	2000-01	Change	1999-00	2000-01	Change
L61Z Admit for Renal Dialysis	62,454	84,553	22,099	466,650	487,350	20,700
R63Z Chemotherapy	90,512	111,807	21,295	116,629	112,218	-4,411
G44C Other Colonoscopy, Sameday	135,901	160,569	24,668	61,127	61,610	483
G45B Other Gastroscopy for Non-Major Digestive Disease, Sameday	95,098	108,063	12,965	59,897	57,097	-2,800
C08Z Major Lens Procedures	72,113	82,915	10,802	32,951	34,832	1,881
J11Z Other Skin, Subcutaneous Tissue and Breast Procedures	34,436	45,114	10,678	37,441	37,161	-280
Z40Z Follow Up After Completed Treatment W/ Endoscopy	43,845	52,615	8,770	31,144	32,420	1,276
U60Z Mental Health Treatment, Sameday, W/O ECT	41,319	48,411	7,092	26,180	25,989	-2,191
O61Z Postpartum and Post Abortion W/O O.R. Procedure	3,715	6,690	2,975	10,125	15,666	5,571
D40Z Dental Extraction and Restorations	55,971	61,477	5,506	23,959	21,682	-2,277
O60D Vaginal Delivery W/O Complicating Diagnosis	33,241	34,547	1,306	111,111	104,657	-6,254
F74Z Chest Pain	8,284	9,731	1,447	42,726	47,859	5,133
I18Z Knee Procedures	57,107	60,791	3,684	22,678	20,509	-2,169
G67B Oesophagitis, Gastroent & Misc Digestive System Disorders (Age>9 W/O Cat/Sev CC)	9,048	10,145	1,097	41,506	45,792	4,286
Z64B Other Factors Influencing Health Status (Age<80)	10,043	15,111	5,068	30,346	30,252	-94
L41Z Cystourethroscopy W/O CC	16,987	21,327	4,440	17,524	18,057	533
G44B Other Colonoscopy W/O Catastrophic or Severe CC or Complicating Procedure	4,252	6,700	2,448	3,475	5,817	2,342
P67D Neonate, AdmWt > 2499 g W/O Significant O.R. Procedure W/O Problem	7,558	5,412	-2,146	17,602	20,153	2,551
J67B Minor Skin Disorders W/O CC	8,006	5,865	-2,121	14,533	11,968	-2,565
G66B Abdominal Pain or Mesenteric Adenitis W/O CC	5,652	6,903	1,251	30,335	33,656	3,321
O40Z Abortion W D&C, Aspiration Curettage or Hysterotomy	24,858	27,787	2,929	36,468	34,892	-1,576
N07Z Other Uterine and Adnexa Procedures for Non-Malignancy	29,716	33,928	4,212	19,395	19,617	222
Z61Z Signs and Symptoms	2,394	3,583	1,189	6,297	9,408	3,111
F42B Circulatory Disorders W/O AMI W Invasive Cardiac Inves Proc W/O Complex DX/Pr	22,356	24,568	2,212	18,682	16,715	-1,967
E63Z Sleep Apnoea	14,283	18,295	4,012	4,362	4,345	-17
C09Z Other Lens Procedures	10,659	7,584	-3,075	5,291	4,474	-817
N04Z Hysterectomy for Non-Malignancy	13,506	15,544	2,038	16,873	15,210	-1,663
H04B Cholecystectomy W/O Closed CDE W/O Catastrophic or Severe CC	14,628	17,157	2,529	20,785	19,585	-1,100
D11Z Tonsillectomy or Adenoidectomy	17,583	17,154	-429	21,722	18,531	-3,191
J08B Other Skin Graft and/or Debridement Procedures W/O Catastrophic or Severe CC	14,640	17,837	3,197	6,413	6,755	342

(a) Separations for which the care type was reported as acute, or newborn with qualified patient days, or was not reported. AR-DRGs have been ordered by the sum of the absolute value of the changes in the public and private sectors.

- Notes: 1. Main abbreviations: ALOS—average length of stay, W—with, W/O—without, CC—complications and comorbidities.  
 2. AR-DRG 960Z Ungroupable not included.