

Nursing labour force

1999

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Abbreviations

ABS	Australian Bureau of Statistics
ACT	Australian Capital Territory
ADON	Assistant Director of Nursing
AHMAC	Australian Health Minister's Advisory Council
ANCI	Australian Nursing Council Incorporated
DETYA	Department of Education, Training and Youth Affairs
DEWRSB	Department of Employment, Workplace Relations and Small Business
DON	Director of Nursing
FTE	Full-time Equivalent
LEO	Labour Economics Office
NSW	New South Wales
NT	Northern Territory
OECD	Organisation for Economic Co-operation and Development
Qld	Queensland
RNO	Regional Nursing Officer
SA	South Australia
Tas	Tasmania
UK	United Kingdom
USA	United States of America
Vic	Victoria
WA	Western Australia

Symbols and other usages

Throughout this publication, data may not add to the totals shown due to the estimation process for non-response.

Throughout this publication, percentages may not add to 100.0 due to rounding.

Italics within a table denote a subtotal.

Percentage printed as 0.0 may denote less than 0.05%.

.. denotes not applicable.

– denotes nil.

n.a. denotes not available.

Preface

There is increasing concern about the adequacy of the nursing workforce in each State and Territory, and for Australia as a whole, particularly its capacity to cope with the growing proportion of older age groups in the population. Some of the concerns that have been raised include the proportion of trained nurses who choose not to nurse, the ageing of the nursing workforce and falling student numbers. Several inquiries into various aspects of nursing are now underway.

The nursing workforce is surveyed every two years at the time of registration renewal. This publication largely reports the results of the 1997 survey, but it also contains information relating to registration numbers in 1999, nurse training in 1999 and 1998–99 migration data. It is expected that the results from the 1999 survey will be available soon.

This publication was prepared by Helen Morton, Warwick Conn and Glenice Taylor of the Labour Force and Rural Health Unit and Kathy Southgate of the Data and Information Technology Unit of the Australian Institute of Health and Welfare.

Thanks are extended to the following for data used in this publication:

State and Territory nurses' registration boards and health authorities, the Department of Immigration and Multicultural Affairs for immigration data, the Department of Education, Training and Youth Affairs for education data. The Australian Nursing Council, and the Australian Bureau of Statistics for labour force survey and population census data.

Most importantly, I would like to thank all those nurses who complete the two-yearly survey. Without their cooperation, it would be impossible to compile this valuable data collection to assist in planning and policy-making.

Richard Madden

Director

August 2001

Explanatory notes

Background

In 1990, the Australian Health Ministers' Advisory Council (AHMAC) commissioned the Australian Institute of Health and Welfare to develop national health labour force statistics about the major registrable health professions. Data collections based on a national minimum data set were developed addressing the labour force planning needs of the health professions, government, service providers and educational institutions. In addition to nursing, published data from the collection are available for medicine, dentistry, pharmacy, podiatry, optometry, physiotherapy and occupational therapy.

In 1997, the National Health Information Management Group of AHMAC reviewed national health labour information requirements. A decision was made that future national collections would be conducted annually for medicine, biennially for nursing, and on a rolling three-year cycle for dentistry and several allied health occupations. The first biennial collection for nursing was conducted in 1997 and the second in 1999.

This report on the nursing labour force draws information from a range of sources, including the 1997 Nursing Labour Force Survey; State and Territory nursing registration boards; the Australian Institute of Health and Welfare; the Australian Bureau of Statistics; and the Commonwealth Departments of Education, Training and Youth Affairs; Immigration and Multicultural Affairs; and Employment, Workplace Relations and Small Business.

Although the 1997 Nursing Labour Force Survey has been used extensively throughout the publication, breakdowns for 1998 and 1999 have been estimated by extrapolating 1996 and 1997 survey data to 1998 and 1999 actual registrations and enrolments.

Scope and coverage

The scope of the national nursing labour force survey, which is conducted in association with renewal of registration and enrolment, is all nurses *registered* or enrolled with the nurses' registration board or nursing council in each State and Territory, and eligible to practise.

The coverage may exclude nurses who *registered* for the first time during the current year. These nurses may not be required to renew their registration at the standard renewal date if the initial registration in that State or Territory had occurred during the preceding 12 months.

Method

The labour force data in this publication were obtained from a nursing labour force survey conducted by each State and Territory nurses' registration board. Each State and Territory nurses' board conducts an annual renewal of registrations, and a survey questionnaire was sent to all nurses as part of this process. Each State and Territory health authority forwarded a computer file of the survey data to the Institute for aggregation into a national data set.

Nurse labour force survey response rate

Based on the total number of registrations in each State and Territory, the response rate to the survey was 78.7%. The response rate was 83% in New South Wales, 77% in Victoria, 92% in Queensland, 73% in Western Australia, 59% in South Australia, 72% in Tasmania, 36% in the Australian Capital Territory and 70% in the Northern Territory. However, complete data were not available for all responding nurses because not all survey questions were completed or because nurses' board initial registration data were incomplete or not provided.

The overall response rate can only be estimated, and not determined with complete accuracy. It is known that at least some nurses who were registered in more than one State or Territory completed a questionnaire in just one State or Territory. The incidence of this occurrence cannot be ascertained because matching survey records among States and Territories is not possible.

Labour force estimates

Nurses may register in more than one State or Territory. In estimating the nursing labour force, it is therefore important to reduce as much as possible the consequent duplication in statistics.

The estimation of the number and characteristics of currently employed nurses in each State and Territory was based on the responses of those nurses employed solely or mainly in the State or Territory of registration. Nurses who were on leave for three months or more, although employed, were excluded from most tables of employed nurses because not all States and Territories collected data from nurses who were on leave.

It is assumed, for all estimates, that non-respondents to the survey had the same labour force characteristics as had respondents. The survey data were scaled up to the registrations in each State and Territory by distributing the non-response numbers on the basis of this assumption. This process may overestimate the numbers of nurses in the labour force in each State and Territory if non-respondents are more likely to be those with multiple registration or those not in the nurse labour force. This survey error will be greater in the two Territories, which have a higher proportion of nurses registered in other jurisdictions, and lower proportions of nurses practising solely in the Territories.

Collection timing

The labour force survey is conducted by the nurses' registration board in each State and Territory in conjunction with the annual renewal of practice licences. Therefore, the timing of the survey depends on the licence renewal procedure that operates in each State and Territory. Nurses registering for the first time are not included in the survey at initial registration because they would generally have had no previous nursing job for which details could be provided.

As the renewal of registration in New South Wales is due on the anniversary of initial registration, the survey is conducted throughout the calendar year.

South Australia has four renewal periods each year with about one quarter of nurses registered in each period. The survey returns from each quarterly renewal period are accumulated for a calendar year.

The remaining States and Territories have annual renewals due by a fixed date. Registration renewal is due for Victoria and Western Australia by 31 December; for Queensland and the Northern Territory by 30 June; for Tasmania by 31 August and for the Australian Capital

Territory by 1 April. The collection period in each State and Territory is shown schematically in the following table.

Table 1: Nurse Labour Force Survey: data collection period, States and Territories, 1997

State/Territory	Nov 96	Dec 96	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
New South Wales			■	■	■	■	■	■	■	■	■	■	■	■
Victoria												■	■	■
Queensland						■	■	■	■					
Western Australia													■	■
South Australia	■	■		■	■		■	■		■	■			
Tasmania									■	■	■			
Australian Capital Territory			■	■	■									
Northern Territory							■	■	■					

In this publication, survey data collected during 1997 were used, except for the Australian Capital Territory. As the survey was not conducted in the Australian Capital Territory in 1997, the 1998 survey data have been scaled to 1997 registration numbers.

Identification of registered and enrolled nurses

The 1997 survey questionnaire did not have a question that identified whether a nurse was on the register or the roll in each State and Territory because it was assumed that this would be readily available from the registering authority.

A means of positively identifying whether a respondent to the survey was on the register or the roll was provided for New South Wales, Queensland, Western Australia, Tasmania and the Northern Territory. For all other States and Territories, nurses were identified as *registered* or *enrolled* by the division in which they were registered (see table below). Nurses identified as being both *registered* and *enrolled* were defined as registered for the purpose of the survey.

Table 2: Nurse Labour Force Survey: method of classifying nurses as registered or enrolled, selected States and Territories, 1997

Classification	Victoria	South Australia	Australian Capital Territory (1998)
Enrolled	Supervised (Div. 2) Mothercraft (Div. 5)	Enrolled Mothercraft	Enrolled Mothercraft
Registered	Comprehensive (Div. 1) Psychiatric (Div. 3) Mental retardation (Div.4)	General Midwifery Infant Mental health Mental deficiency Other	General Midwifery Mental health

Main features

This publication presents statistics on the numbers of *registered* and *enrolled* nurses from 1993 to 1999, and results from the 1997 Nursing Labour Force Survey. It includes data on the labour force status and occupation of *registered* and *enrolled* nurses in 1997, on nurses employed in private and public hospitals from 1994–95 to 1998–99, key statistics on nurse education and migration, and information on nurse occupations identified as being in shortage by the Department of Employment, Workplace Relations and Small Business (DEWRSB). Finally, some international comparisons are provided, and a comprehensive set of tables makes up the remainder of the publication.

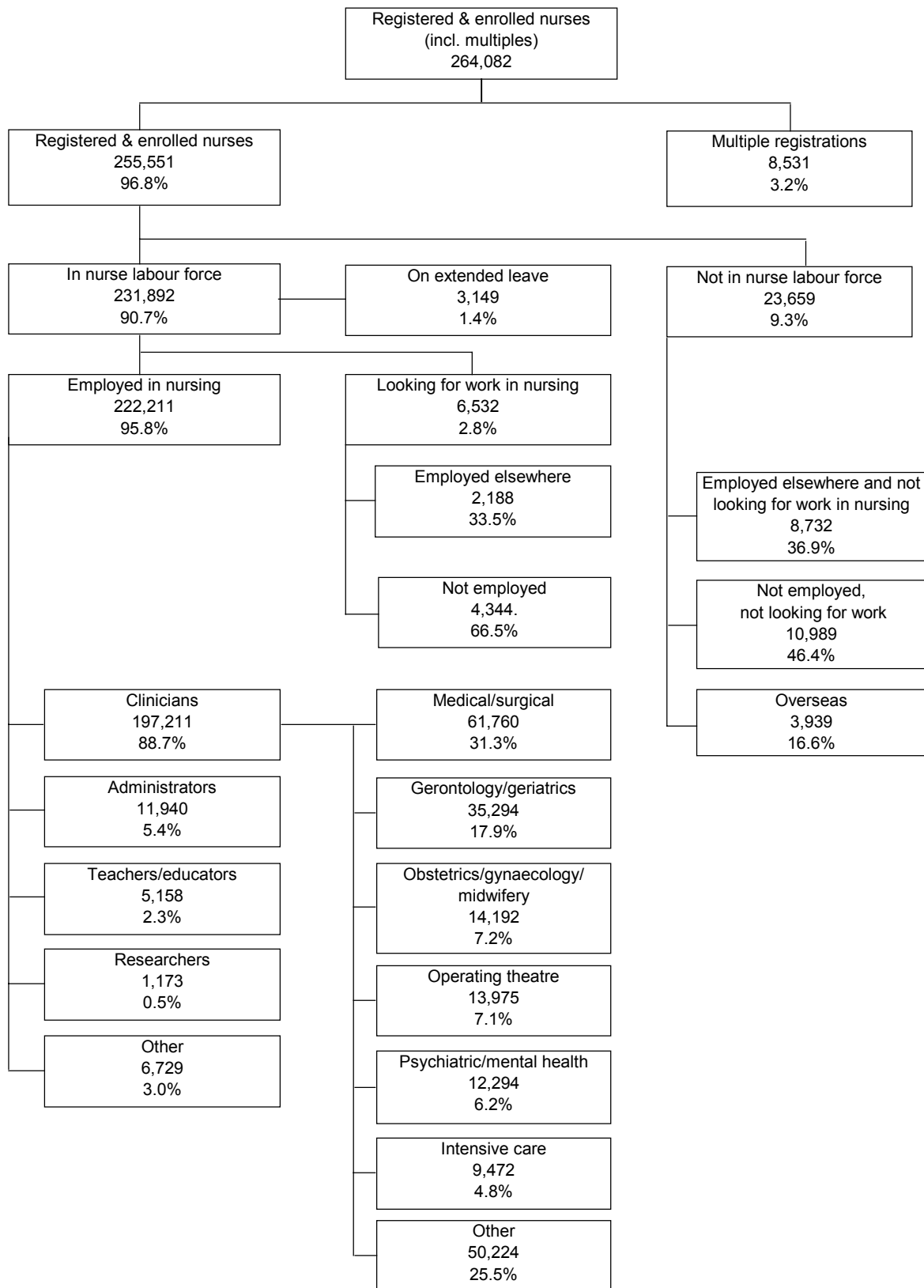
Most of the detailed time-series comparisons in this publication are for the years 1994 (prior to this, detailed data are not available) to 1997 (the reference period for the survey), although some broad comparisons have been made for the longer time period, from 1993 to 1999.

Some of the main trends emerging from this nursing labour force report include:

- After allowing for multiple registrations, between 1993 and 1999 the number of nursing registrations and enrolments dropped from 270,720 to 257,662. For the shorter period for which detailed data are available, from 1994 to 1997:
 - the number of registrations fell from 268,970 to 255,551, a decrease of 5.6%;
 - the number of nurses in the nursing workforce fell from 242,225 to 231,892; and
 - the number of nurses in the labour force who were actually employed as nurses decreased from 225,110 to 222,211 (Table 11).
- The decrease in the number of employed nurses was accompanied by an increase in the proportion who were working part-time, from 48.6% to 51.8% between 1994 and 1997. (Tables 37 and 38) This has resulted in a fall in the total number of full-time equivalent (FTE) nurses. For the period 1995–96 to 1996–97, Australian hospital statistics show that FTE nurses in Australia fell from 104,203 to 102,154, although by 1998–99 the number had increased to 104,735 (Tables 49–51).
- Along with decreasing numbers of nurses, there was an increase in their overall workload (as measured by the number of hospital separations, which increased from 5.3 million in 1995–96 to 5.8 million in 1998–99). In Australia’s public and private acute and psychiatric hospitals, the number of separations per FTE nurse increased from 50.1 to 53.3 between 1995–96 and 1998–99. In private free-standing day hospitals, the number of separations per FTE nurse decreased from 420 to 405 over that period (Tables 49–51).
- The nursing workforce is ageing, and the number of new entrants is likely to decline over the next few years:
 - between 1994 and 1997 the average age of nurses rose from 39.1 years to 40.4 years;
 - the number of Australian students completing basic nurse courses fell from 5,850 in 1994 to 4,661 in 1998; and
 - the number commencing basic nurse courses fell from 7,277 in 1994 to 6,899 in 1997, although there was a rise to 7,388 in 1999 (Tables 65 and 67).

Other findings from the survey are outlined below:

- There was very little change in the proportions of *registered* and of *enrolled* nurses who were male, with increases from 7.6% to 8.0%, and from 6.2% to 6.3%, respectively between 1994 and 1997 (Tables 37 and 38).
- *Registered* nurses worked an average of 31.8 hours per week, while *enrolled* nurses worked an average of 29.9 hours per week in 1997 (Tables 26 and 34).
- In 1997, 62.0% of nurses were employed in acute care hospitals, 16.1% in nursing homes and 8.5% in community health centres (Table 3).
- *Registered* and *enrolled* nurses employed as clinicians in 1997 most commonly worked in the medical and surgical (31.3%), gerontology/geriatric nursing(17.9%) and obstetrics, gynaecology and midwifery(7.2%) areas of clinical nursing (Table 15).
- 69.8% of employed nurses had a salary range of between \$28,730 and \$41,992 in 1997 (Table 42).
- Two thirds of *registered* nurses (66.0%) and one half of *enrolled* nurses (50.0%) worked in the capital cities (Table 5) .
- Similar proportions (around 69%) of *registered* and *enrolled* nurses were employed in the public sector (Tables 27 and 35).
- In 1998-99, 1,080 nurses migrated permanently to Australia and 661 Australian nurses migrated permanently to other countries (Table 70). During the same period, 450 overseas nurses arrived in Australia for temporary employment, a sharp increase on 276 in 1997-98 (Table 72).



Source: AIHW.

Figure 1: Registered and enrolled nurses, Australia, 1997

Overview

Overall numbers in 1997

The National Nursing Labour Force Survey, conducted in conjunction with renewal of registration in 1997, enumerated a total of 255,551 nurses, comprising 202,183 *registered* nurses and 53,369 *enrolled* nurses.

The large majority (90%, or 231,892) of these were in the nursing labour force, of whom 222,211 were actually employed in nursing. The remaining 9,681 were either on extended leave or looking for work in nursing. Of those working in nursing (88.7%) were clinicians, (5.4%) were administrators, (2.3%) were teacher/educators and (0.5%) were researchers.

Of the 23,659 who were not in the nursing labour force, 36.9% were employed elsewhere and not looking for work in nursing, 46.4% were not employed and not looking for work and 16.6% were overseas (Figure 1).

There was an increase in nurses employed as administrators between 1994 and 1997, from 3.8% to 5.4% of the total employed nursing workforce.

Registrations and enrolments of nurses to 1999

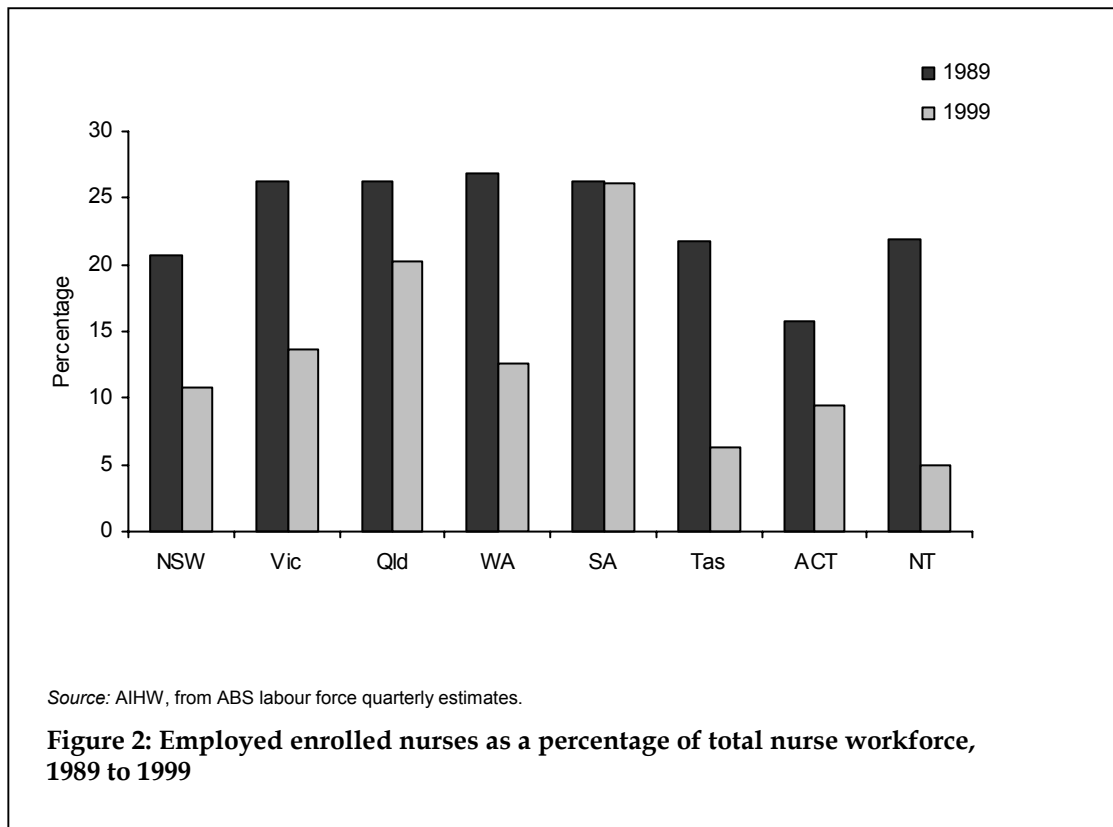
In 1999, there were 265,983 registrations and enrolments of nurses. Between 1993 and 1996 the numbers dropped from 281,455 to 263,448, after which there were small yearly increases up to 1999 (Table 9).

Allowing for multiple registrations, the figure for *registered* and *enrolled* nurses in 1999 was estimated to reduce to 257,662, with 233,096 in the nursing labour force and 221,988 employed mainly in nursing (Table 13). Changes to legislation requiring nurses to have practised at some time in the previous five years to maintain registration, as well as increases in fees, may have contributed to the change in registration and enrolment numbers.

The largest variations in total registrations and enrolments between 1993 and 1999 occurred in Northern Territory (+46.0%), Tasmania (-25.1%), Victoria (-14.4%) and Queensland (-12.5%). The changes in the Northern Territory and Tasmania were mainly for registrations, while the decreases in Victoria and Queensland were mainly for enrolments.

Based on ABS labour force quarterly estimates, a longer time series comparison can be made of changes in nursing numbers across the States and Territories. These figures reveal that over the 1990s, increases occurred only in New South Wales, Queensland, Western Australia, the ACT and the Northern Territory (Table 10).

Although total nurse numbers have been relatively constant over the last decade, major changes have occurred in the composition of the nursing workforce. The percentage of *enrolled* nurses in the nursing workforce fell from 24.0% in 1989 to 14.5% in 1999. This percentage varied between States and Territories; South Australia was the only State that did not experience a substantial decline during this period (Figure 2).



Composition of the workforce, 1997

In terms of skill levels and areas of responsibility, the nursing workforce is not homogeneous, but varies widely according to the type of care being provided, and between work settings from operating theatres to community care. Nurses are classified into two broad categories: *registered* nurses (usually those with a degree), who make up the majority of all nurses, and *enrolled* nurses (usually those with a TAFE qualification). Although the level of expertise varies within these two groups, in general, *registered* nurses perform more complex medical processes and hold more responsibility than do *enrolled* nurses. For example, in most jurisdictions only *registered* nurses have the authority to administer medication. There are other differences between *registered* and *enrolled* nurses. In general, *registered* nurses are more likely to be employed in critical or intensive care and less likely in geriatrics/gerontology; more likely to be employed in acute care hospitals and less likely in nursing homes; less likely to be working part-time; and more likely to work in capital cities, than *enrolled* nurses.

The Nursing Labour Force Survey is one vehicle for monitoring the balance between *registered* and *enrolled* nurses, as well as patterns and trends in the supply of nurses in hospitals, nursing homes and community health centres throughout Australia.

After allowing for registrations in more than one State, there were 202,183 *registered* and 53,369 *enrolled* nurses in 1997. Their profiles are described in more detail below. The remainder of this chapter then describes other aspects of the nursing workforce in 1997 and how these have been changing over recent years. In much of the discussion, separate figures are given for *registered* and *enrolled* nurses.

Registered nurses

Of the 202,183 *registered* nurses, 183,060 were in the nurse labour force. That is, they were employed in nursing (96.1%), were looking for work in nursing (2.5%) or were on extended leave for three months or more (1.4%). Of the remaining 19,123 *registered* nurses who were not

in the nurse labour force, 34.8% were employed in jobs other than nursing, 45.3% were not employed and 19.9% were overseas (Figure 3).

Of the 175,937 *registered* nurses employed in nursing in 1997, 87.8% were working as clinicians, 6.5% as administrators, 2.7% as teachers or educators, 0.6% as researchers and the remaining 2.4% in other nursing occupations.

Between 1994 and 1997 the percentage of *registered* nurses employed in capital cities increased from 63.9% to 66.0%, while the percentages employed in other metropolitan centres decreased from 8.1% to 6.8% and in large rural centres from 9.8% to 8.5%. The percentages in other geographic areas changed only marginally over the period. Over the same period, the proportion of the total population living in capital cities also increased (from 63.2% in 1994 to 63.7% in 1997).

While this increase was not even across Australia, it was also distributed unevenly between the public and private sectors. From 1994 to 1997, the number of employed *registered* nurses increased by 2.0% from 172,434 to 175,937, while the proportion employed in the public sector decreased from 71.1% to 69.2%.

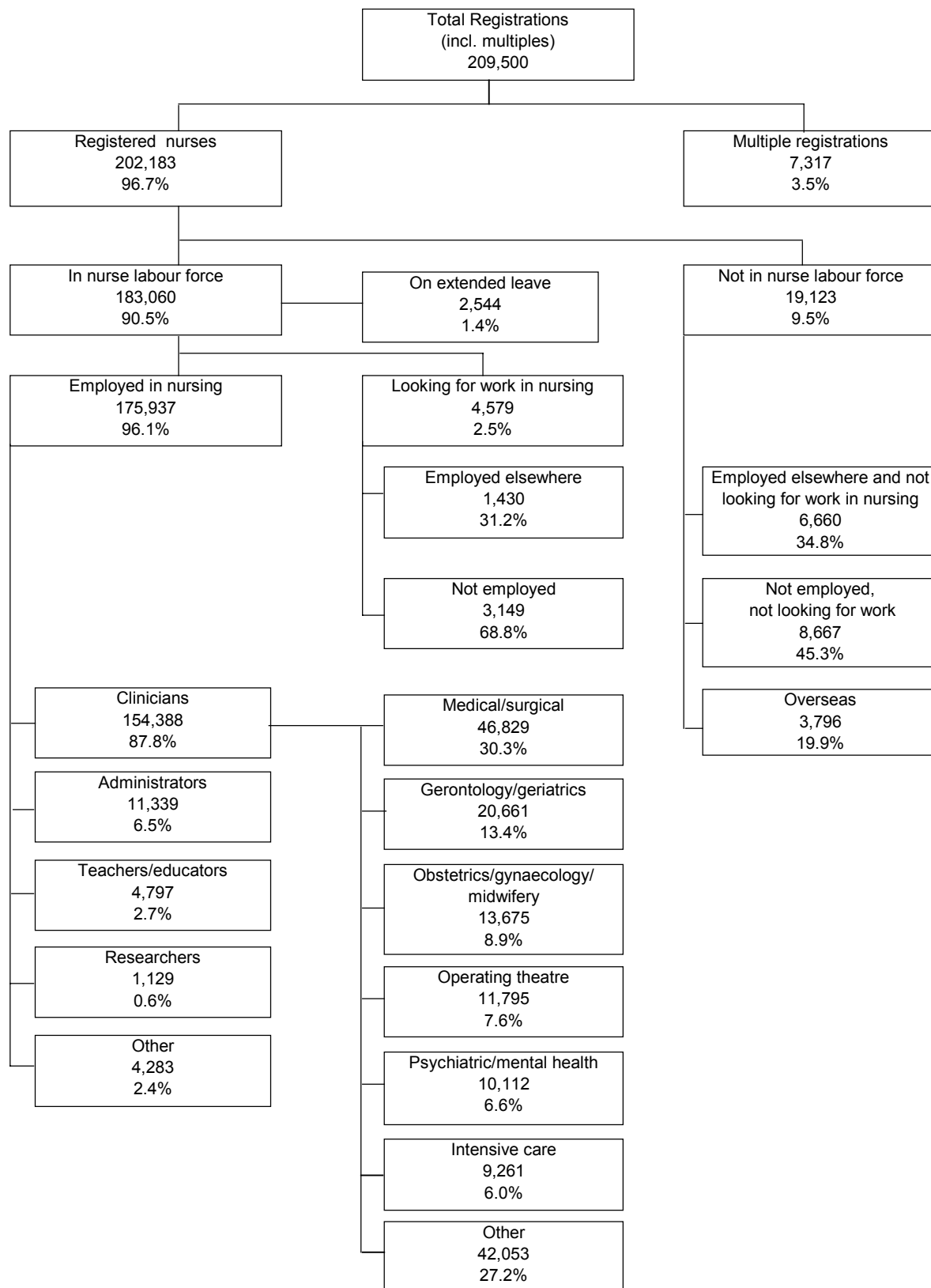
Enrolled Nurses

Although smaller in number, the employment status of *enrolled* nurses was similar to that of *registered* nurses. Of the 53,369 *enrolled* nurses, 48,832 were in the nurse labour force – 86.7% of these were employed in nursing, 3.7% were looking for work in nursing and 1.1% were on leave for three months or more. Of the remaining 4,537 *enrolled* nurses who were not in the nurse labour force, larger proportions were employed in jobs other than nursing (45.7%), or were not employed (51.2%) and a smaller proportion were overseas (3.1%) (Figure 4).

Of the *enrolled* nurses employed in nursing in 1997, 92.5% were working as clinicians, 1.3% as administrators, 0.8% as teachers or educators, 0.1% as researchers and the remaining 5.3% in other nursing occupations.

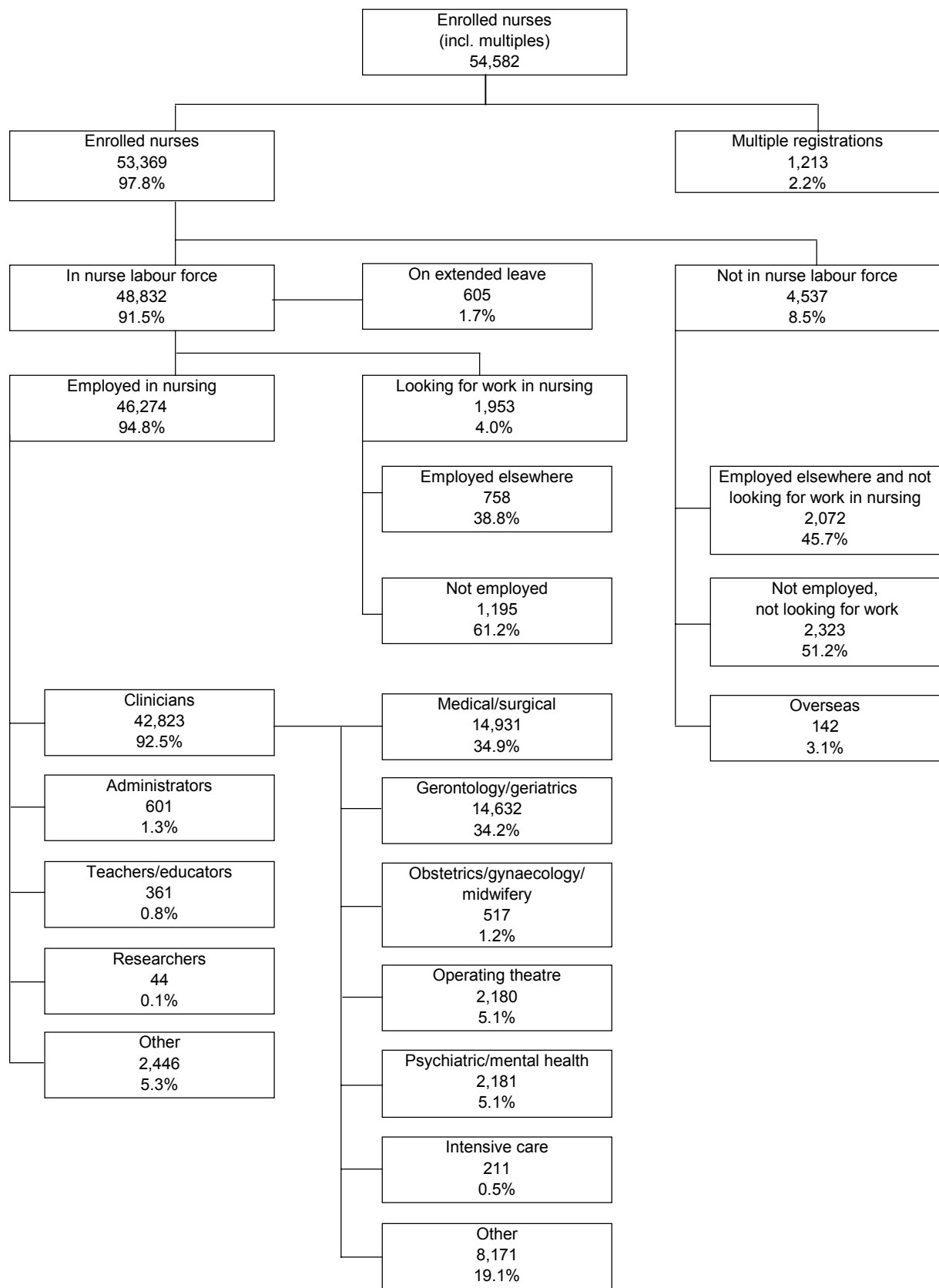
From 1994 to 1997, the number of employed *enrolled* nurses decreased by 12.2% from 52,676 to 46,274, mainly on account of a 22.0% decrease in those employed in nursing homes. (Table 38) This is consistent with government policy to encourage elderly people to be cared for in their own homes rather than in institutions, largely through the Home and Community Care (HACC) program, which was initiated in 1992 and the introduction of community aged care packages in 1993.

Both in 1994 and 1997 half of all *enrolled* nurses were employed in capital cities, (although substantially lower proportions than for *registered* nurses). Over that period there were small decreases in the proportion in other metropolitan areas and large rural centres (from 18.9% to 16.7% in total) and corresponding small increases in the proportions working in other geographic areas (from 31.2% to 32.9% in total) (Table 5). Using ABS data, decreases occurred in all States and Territories except Queensland and the ACT, where there were small increases. By far the largest decrease occurred in Victoria (9,700, or 58.8%).



Source: AIHW.

Figure 3: Registered Nurses, Australia, 1997



Source: AIHW.

Figure 4: Enrolled nurses, Australia, 1997

Demographics

Age

Since the mid 1980s, the age structure of the nurse workforce has undergone a major change. At the 1986 census, 23.3% of nurses were aged under 25 years and 17.5% were aged 45 years or more. At the 1996 census, the proportion aged under 25 years had fallen to 7.7% while the proportion aged 45 years or more had increased to 30.3%, and their average age increased from 39.1 years in 1994 to 40.4 years in 1997.

The ageing of the nurse workforce would, in part, be due to the change in training methods for *registered nurses* away from the hospital-based training to university-based training (delaying the age at which they start work), together with declining numbers of students undertaking nursing education.

In 1997, the average age of all employed female nurses (40.4 years) was slightly higher than for males (38.8 years). The average age of employed *registered nurses* was 40.5 years, which was slightly higher than in previous years, again female nurses being older than males (40.6 years and 38.9 years, respectively). Employed *enrolled nurses* were slightly younger than *registered nurses* (with an average age of 39.6 years overall – 39.6 years for females and 38.3 years for males) (Tables 16 and 32).

Nurses employed as clinicians in intensive care were much younger on average (34.9 years) than those employed in geriatrics/gerontology (43.5 years) in 1997. This is consistent with the higher proportion of *registered nurses* in intensive care than in other areas of work. Similarly, those in public or private hospitals were younger (38.1 years and 39.1 years, respectively) than those in public or private nursing homes (44.6 and 44.3 years, respectively), again reflecting relatively high proportions of *registered nurses* in hospital work settings (Tables 52–64).

Male participation

Between 1994 and 1997 employed male nurses increased from 16,166 to 17,003 (5.2%) while employed female nurses decreased from 207,112 to 205,208 (0.9%). This represented an increase from 7.2% to 7.7% of males in the nurse work force over that period. At the same time, the number of employed *registered male nurses* increased by 9.0, while the corresponding number of females increased by 2.4%. Because male nurses are, on average, younger than female nurses, and because the proportion of those commencing basic nursing courses who were male has been maintained at around 13–15% over the 1990s, this trend looks set to continue over the next few years (Tables 37 and 65).

In 1997, males made up one third (33.9%) of those employed as psychiatry/mental health clinicians, by far the largest proportion in all major areas of nursing. In contrast, males made up very low proportions of nurses employed in private medical rooms (0.8%) and in midwifery (1.0%). There has been a small increase both in the number and the percentage of male nurses employed in private nursing homes from 3.3% in 1994 to 3.8% in 1997.

Country of birth and citizenship

Country of birth data was available from Victoria, Queensland, Western Australia, Tasmania and the Australian Capital Territory. In these States and Territory 78.3% of nurses employed in 1997 were born in Australia. A further 10.8% were born in the United Kingdom or Ireland, 4.6% in Asian countries, 2.8% in New Zealand, 2.6% in other European countries and 0.9% in other countries (Table 19).

Data from all of the States and Territories for which citizenship data was available showed that most employed nurses (93.4%) were Australian citizens, ranging from 95.1% in the Australian Capital Territory to 90.1% in Western Australia (Table 20).

Hours worked

The proportion of nurses working part-time (that is, less than 35 hours per week) increased from 41.2% in 1990 to 44.1% in 1999, and in 1999 *enrolled* nurses were much more likely to work part-time (60.0%) than *registered* nurses (52.5%) (Table 10). This may be because younger, more highly qualified *registered* nurses are establishing their careers in those areas where longer working hours are the norm – there is considerable variation among work settings and nursing disciplines in the proportion employed part-time. For example, 44.4% of nurses in public hospitals were working part-time in 1997. This compared with 60.3% of those in private hospitals and 71.2% in private medical rooms.

Registered nurses worked an average of 31.8 hours per week (31.1 for females and 38.1 for males). Just over half (52.5%) of female *registered* nurses worked less than 35 hours per week compared with 17.7% of males (Table 26).

Across the States and Territories, the average hours worked per week by female *registered nurses* ranged from 29.8 hours in Tasmania up to 38.2 hours per week in the Northern Territory. For male *registered* nurses, their average hours worked varied from 37.2 hours in the Australian Capital Territory to 42.6 hours in the Northern Territory.

Enrolled nurses worked an average of 29.9 hours per week (29.5 hours for females and 35.8 hours for males). The average number of hours per week worked by *enrolled* nurses ranged from 28.1 in South Australia to 34.6 in the Northern Territory (Table 34).

Job Classification

The method of reporting the job classification levels of nurses was changed in 1997. Each State or Territory has its own classification system for nurses, and in order to consolidate these different systems annual salary ranges are used as a proxy classification system in this publication. Six categories of annual salary are used viz:

- less than \$28,729,
- from \$28,730 to \$41,992,
- from \$41,993 to \$50,471,
- from \$50,472 to \$58,710,
- from \$58,711 to \$70,038 and
- \$70,039 or more.

Over two thirds (69.8%) of employed nurses fall into the salary range \$28,730-\$41,992 in 1997, and the next largest proportion (16.4%) was in the range \$41,993-\$50,471 (Table 22).

Of *registered nurses* who were employed under a nursing award on a salary of less than \$28,729 a year (the lowest classification) 75.9% were females and 24.1% were males – out of proportion to their distribution in the total *registered nurse* workforce (92.0% females and 8.0% males). Of those with a salary over \$70,039 per year, 91.8% were females and 8.1% were males – almost the same as their distribution.

Patterns of employment

Nurses can be employed in many different clinical areas at a variety of establishments or premises (work settings), both in the public and private sectors. This chapter describes their pattern of employment across these workplaces.

Additional information is given separately in respect of hospital employment, as this is the largest employment category for nursing staff.

Main area of clinical nursing

Of the 197,211 *registered* and *enrolled* nurses employed as clinicians, the largest proportions were employed in the areas of medical and surgical practice (31.3%), geriatrics and gerontology (17.9%), obstetrics, gynaecology and midwifery (7.2%), operating theatre nursing (7.1%), psychiatry and mental health (6.2%), intensive care (4.8%) and community nursing (4.2%) (Table 15). However, these proportions varied across the States and Territories according to their different population profiles and resultant priorities for health care.

For example, in the Australian Capital Territory and the Northern Territory, which have younger populations than the rest of Australia, the proportions of nurse clinicians employed in geriatrics and gerontology (9.5% and 6.8%, respectively) were lower than the national proportion while in Victoria the proportion was higher (23.6%). In contrast, the proportions employed in obstetrics, gynaecology and midwifery in the two Territories (11.0% and 10.8% respectively) were much higher than nationally, while in the Northern Territory, a substantially higher proportion of clinicians were employed in community nursing (11.9%), reflecting the relatively high proportions of Indigenous people living in remote areas (Table 15).

Each of these areas of nursing requires different types and levels of skills, and this is demonstrated in their individual mix of *registered* and *enrolled* nurses.

Medical and surgical practice

In 1997, there were 61,760 nurses working mainly in medical or surgical nursing or both fields, fewer than there were in 1994 (67,991). In 1997, most (88.9%) were employed in public or private hospitals, over half (53.2%) worked part-time, the large majority (94.8%) were female, most (69.6%) were employed in the public sector and three quarters (75.8%) were *registered* nurses. With an average age of 37.6 years, they tended to be slightly younger than nurses as a whole (40.3 years).

Reflecting the concentration of hospitals in relatively populous regions, two thirds of all *registered* and *enrolled* nurses in this area of nursing (65.7%) worked mainly in capital cities or metropolitan areas, 17.1% worked in large or small rural centres, 13.6% worked in other rural areas and the remaining 3.6% worked in remote centres or other remote areas (Table 60).

Geriatrics and gerontology

In 1997, a total of 35,294 nurses were employed in geriatric and gerontology nursing, 6,040 fewer than in 1994. Although their numbers decreased, the proportion who were *registered* nurses practising in this area increased from 54.8% in 1994 to 58.4% in 1997.

In 1997, most (81.1%) were employed in nursing homes and a further 10.9% in hospitals, less than one third (28.3%) worked full-time, the overwhelming majority (95.9%) were female, just over half (54.3%) were employed in the public sector and a smaller proportion than average (58.4%) were *registered* nurses. Their average age was 43.5 years, older than nurses in general and in marked contrast to those working in medical and surgical practice (Table 59).

Almost a third of all *enrolled* nurses who were employed in nursing (31.6%) were employed in geriatrics and gerontology – more than in any other single area of clinical practice (Table 31). This may be related to the relatively wide range of general skills required to care for aged persons, who may not necessarily display acute or serious symptoms most of the time.

Midwifery, obstetrics and gynaecology

In 1997, there were 14,192 nurses employed in these disciplines, a decrease of 614 from 1994. Over the same period, there was a decrease in the number of births in Australia (from 258,300 to 253,700, according to ABS figures). Of this workforce, 89.0% were employed in hospitals, well under half (37.5%) worked full-time, nearly all (99.0%) were females, around three quarters (75.4%) worked in the public sector and 96.4% were *registered* nurses. Their average age (40.2 years) was much the same as the nursing workforce in general.

As for other health areas, most nurses in these disciplines (74.8%) were working in capital cities and other metropolitan areas. Another 16.1% were working in large or small rural centres, 6.6% in other rural areas and 2.5% in remote centres and other remote areas (Table 62).

Psychiatry and mental health

In 1997, there were 12,294 nurses working mainly in psychiatric and mental health nursing, a slight increase over the 11,352 in 1994. Of these, 71.1% worked in hospitals and 11.5% in community health centres, the majority (72.3%) were working full-time, a relatively high proportion (33.9%) was male, 89% worked in the public sector and 82.3% were *registered* nurses. Their average age was 40.7 years.

In line with nurses in general, three quarters (75.2%) worked in capital cities and other metropolitan centres. However, in contrast to other fields of nursing, a relatively large proportion (14.5%) worked in large rural centres, with smaller proportions than average in small rural centres (5.2%), other rural areas (4.4%) and remote centres and other remote areas (0.7%) (Table 61).

Operating theatre nursing

In 1997, there were 13,975 nurses working mainly in operating theatre nursing, an increase from 12,837 in 1994. In 1997, most (91.5%) worked in hospitals and 6.1% in day procedure centres, over half (53.9%) worked full-time, 6.4% were male, 59.5% were in the public sector and 84.4% were *registered* nurses. Their average age was 38.4 years (Table 63).

Over three quarters (77.1%) worked in capital cities and other metropolitan areas. As was the case for Psychiatry and mental health workers, however, a relatively large proportion were in large or small rural centres (17.3%) and relatively small proportions in other rural areas (4.7%), and remote centres and other remote areas (0.9%).

Intensive care nursing

In 1997, there were 9,472 nurses working mainly in intensive care nursing, a 4.9% increase since 1994. Nearly all (96.8%) worked in hospitals – this is to be expected, as most intensive care units are located there. Over half (53.1%) worked full-time, a relatively large proportion (12.1%) was male, 20.2% were in the private sector and nearly all (97.8%) were *registered*

nurses. Intensive care nurses had an average age of 34.9 years in 1997, the youngest of all areas of nursing.

Again, because most were working in hospitals, a very large proportion (84.9%) were located in capital cities and other metropolitan centres, and correspondingly much smaller proportions in large and small rural centres (13.2%), other rural areas (1.2%) and remote centres and other remote areas (0.8%) (Table 64).

Community/district/domiciliary nursing

There were 8,295 nurses employed in these disciplines in 1997, a decrease of 1,389 since 1994. Because, as their name implies, these workers aim to be more accessible to people in communities, around half (49.9%) were in public community health centres, and another 16.3% in public hospitals. Over half (53.7%) worked part-time, only a small proportion (4.4%) was male and 89.3% were *registered* nurses. Their average age was 41.8 years.

Because of the nature of their work, they were more evenly dispersed across the geographical regions than other nurses. Only 58.8% worked in capital cities and other metropolitan centres, and another 16.6% were located in large and small rural centres. However, a relatively very large proportion (18.1%) worked in other rural areas – these serviced the 13.3% of the population living there. The remaining 6.4% were in remote centres and other remote areas.

Work setting of main job

Table 3: Employed registered and enrolled nurses work setting of main job, Australia, 1994 to 1997

Work setting of main job	1994	1995	1996	1997	1994	1995	1996	1997
Public and Private sector					(per cent)			
Acute/psychiatric hospitals	131,774	132,429	132,060	137,680	58.5	60.0	60.5	62.0
Nursing homes	40,275	35,969	33,954	35,867	17.9	16.3	15.6	16.1
Community health centres	9,595	10,206	10,425	12,053	4.3	4.6	4.8	5.4
Other	43,467	42,062	41,734	36,611	19.3	19.1	19.1	16.5
Total	225,110	220,666	218,173	222,211	100.0	100.0	100.0	100.0

Acute Care Hospitals

Acute care hospitals are the main employers of nurses in Australia, employing 62.0% of the nursing workforce. Of the 137,680 nurse clinicians employed in acute care hospitals in 1997, 114,234 (83.0%) were *registered* nurses and 23,446 (17.0%) were *enrolled* nurses. The number of nurses employed in acute care hospitals has increased from 131,774 (58.5%) in 1994 to 137,680 (62.0%) in 1997 (Table 3).

There were 106,078 nurses employed in public acute care hospitals in 1997, accounting for nearly half (47.7%) of all nurses. This represented an increase of 1,840 since 1994, the net result of an increase of 6,777 (16.8%) in part-time employees and a decrease of 4,937 (7.7%) in full-time employees (Table 52).

Most nurses employed in public hospitals (81.9%) were *registered* nurses. There was a higher proportion of males (8.9%) compared with employed male *registered* nurses generally (8.0%), and a lower proportion located in a capital city (60.0% compared with 62.7%). They were also relatively young, with an average age of 37.0 years compared with 40.3 years for all employed nurses.

There were 31,602 nurses employed in private hospitals in 1997, 14.8% more than in 1994. They accounted for 14.2% of all nurses and 23.0% of those employed in hospitals (Table 53). Most (86.7%) were *registered* nurses, and 4.9% were males.

In private hospitals, 69.0% of nurses worked in medical/surgical and operating theatre, compared with 51.1% in public hospitals. Approximately 11% of nurses in both public and private hospitals worked in obstetrics, gynaecology and midwifery.

Nursing homes

Between 1994 and 1997, the number of nurses employed in nursing homes decreased by 10.9% from 40,275 to 35,867, with decreases in both the private and public sectors (of 13.2% and 8.7%, respectively). In 1997 there were 17,645 nurses employed in public nursing homes, and 18,222 employed in private nursing homes.

This fall in nurse employment in nursing homes over this period was accompanied by a redistribution of nurses from *enrolled* to *registered* nurses. The percentage of *registered* nurses employed in public nursing homes increased from 48.3% to 54.7% and in private nursing homes from 63.2% to 67.4%.

In both public and private nursing homes, by far the largest proportions (92.0% and 94.0%, respectively) worked in geriatrics and gerontology.

Community health centres

In 1997, there were 12,564 nurses employed in community health centres, an increase of 18.4% on the number employed in 1994. The proportion of all nurses working in community health centres also increased during this time from 4.3% to 5.7%. The majority (91.7%) were *registered* nurses, their average age was 42.9 years, higher than for all employed nurses (40.3 years), and a larger proportion (58.0%) worked full time than for all employed nurses (48.2%) (Table 56).

The increase in nurses employed in community health centres may in part be due to the increasing throughput of hospitals together with the decreasing length of stays in hospitals between 1994 and 1997. The increasing use of same day procedures during this period may also have had an impact on the requirement for community health centre nurses.

Of nurses employed in community health centres 45.4% worked in community nursing, 14.1% in psychiatric/mental health nursing, 9.4% in child health and 7.8% in district/domiciliary nursing.

Just over a half (51.5%) worked in capital cities, 7.6% in other metropolitan areas, 17.2% in large and small rural centres, 17.4% in other rural areas and 6.3% in remote centres and other remote areas. The population distribution is higher in capital cities (63.7% in 1997) and lower in all other areas. Community health centres, generally publicly funded, may be more important outside of cities as a first point of contact for health service, and are more viable to fund and administer than large hospitals in areas of low population. This would explain why the distribution of nurses working in community health centres is somewhat skewed to rural and remote regions.

Private medical rooms

In 1997, there were 6,815 nurses employed in private medical rooms, a 7.5% increase since 1994. All except 54 nurses were female, their average age was 42.6 years, 71.2% worked part-time and 78.8% were *registered* nurses. Most (79.7%) were clinicians, and the largest proportions worked in private medical or independent practice (38.4%) or in medical and surgical areas (31.9%).

Of nurses employed in private medical rooms 62.4% worked in capital cities, 6.5% in other metropolitan areas and 31.1% in rural and remote centres/areas. As for community health centres, private medical rooms provide an important service for those living in the smaller population centres (outside of capital cities and other metropolitan areas).

Sector of employment

The public sector employed 69.2% of *registered* nurses. This proportion varied from 84.8% in the Northern Territory to 61.1% in South Australia.

Of *registered* nurses employed in the public sector, 71.4% worked in acute care hospitals, 9.1% worked in community health centres and 7.9% worked in nursing homes. In the private sector, 50.5% worked in acute care hospitals, 22.7% in nursing homes and 9.9% in private medical rooms.

Registered nurses employed in the public sector worked an average of 33.0 hours per week compared with 29.5 hours for those in the private sector. Average hours worked across both public and private sectors varied across work setting, from 39.1 hours in mental health services, down to 25.1 hours in private medical rooms and 25.6 hours in private employment agencies (Table 28).

The public sector employed 69.4% of *enrolled* nurses. This proportion varied from 75.7% in New South Wales to 54.4% in Tasmania. Of *enrolled* nurses employed in the public sector, 59.9% worked in acute and psychiatric hospitals and a further 24.9% worked in nursing homes. In the private sector, 41.9% worked in nursing homes, 29.8% worked in acute and psychiatric hospitals and 10.2% worked in private medical rooms. On average, employed *enrolled* nurses worked shorter hours in both the public (30.7 hours per week) and private sectors (28.3 hours per week) than employed *registered* nurses, although the variation across work settings was wider – from 40.3 hours per week in mental health service in the private sector to 21.3 hours per week in private tertiary education institutions (Tables 35 and 36).

FTE nursing staff in hospitals, 1998–99

Raw counts of the number of people employed in any occupational group do not, by themselves, give an accurate indication of the labour supply in that occupation, because some people work much shorter hours than others. This is especially true in occupations such as nursing, in which there is a high proportion of part-time workers (often the case in 'traditionally' female occupations). For this reason, it is more appropriate to assess the supply of labour through numbers of full-time equivalent (FTE) nurses, which have been adjusted for the number of hours worked. Using full-time equivalent numbers of workers also allows meaningful comparisons to be made between segments of an occupation or between occupational groups.

To establish whether changes in the number of FTE staff result in relative shortfall or over-supply against demand, they should be considered against changes in the workload of nurses. In hospitals, their workload is a function of the number of occupied beds, patient throughput (the number of patients treated, counted as they separate from hospital) and the average length of time spent in hospital. Some of the indicators include FTE staffing numbers per bed, per 100,000 separations and per 1,000 patient days. However, these do not allow for variations in the types of conditions treated, nor in patient demographics.

The annual Australian public hospitals data collection by the Australian Institute of Health and Welfare includes full-time equivalent staffing numbers in nursing and various other categories. Data relating to private hospitals are from the ABS publication *Private Hospitals 1998–99* (ABS Cat. no. 4390.0).

Between 1995–96 and 1998–99, there was a marginal increase in the number of FTE nursing staff from 104,203 to 104,735, an increase of 0.5%. This was accompanied by an overall increase of 11.3% in the number of separations, a small increase of 0.04% in the number of patient bed days and and (excluding private free-standing day hospitals) a decrease of

Table 4: Full-time equivalent nursing staff, by setting, 1995–96 to 1998–99

Setting	1995–96	1996–97	1997–98	1998–99
Public acute and psychiatric hospitals	80,570	77,390	78,239	78,319
Private acute and psychiatric hospitals	23,136	24,193	24,567	25,670
Private free-standing day hospitals	497	571	696	746
Total	104,203	102,154	103,502	104,735

Source: AIHW, Australian hospital statistics annual publications & ABS, Private Hospitals, Cat. No. 4390.0.

between 8.5% and 10.5% in the average length of stay. However, these overall figures also mask differences between hospitals in the public and private sectors.

Public hospitals

During the period from 1995–96 to 1998–99, there was a decline in overall FTE staffing of 4.9%, including a 2.8% decline in nurse staffing from 80,570 FTE nurses to 78,319 FTE nurses, and a 53.3% decline of other personal care staff. The average number of available beds also dropped, from 59,720 to 53,885 (a decrease of 9.8%), resulting in an increase from 1.35 to 1.45 FTE nursing staff per available bed.

Other changes over the same period included:

- a 7.4% increase in separations and an 8.5% decrease in patient average stay days;
- a decrease of 1.7% in occupied bed days per 1,000 patients;
- a 10.5% increase in the number of separations per FTE nurse and a 1.1% increase in occupied bed days per FTE nurse; and
- sharp increases of 130.0% in separations and 110.5% in occupied bed days per FTE for other personal care staff (Table 49).

In 1998–99 there were 4.8 FTE nursing staff per 1,000 patient days in public hospitals.

Staffing per bed, per 100,000 separations and per 1,000 patient days varied significantly among the States and Territories in 1998–99. For example, in 1998–99 the number of FTE nurses per 1,000 patient days ranged from 6.3 in the ACT to 3.8 in Tasmania (Table 47).

Private hospitals

In private acute and psychiatric hospitals, there was a 10.1% increase in overall FTE staffing between 1995–96 and 1998–99, comprising an increase of 11.0% in FTE nursing staff from 23,136 to 25,670 and an increase of 8.9% for other staff (Table 50). This was in marked contrast to trends in patient statistics and staffing levels in public hospitals.

However, in 1998–99 the staffing level of 15.2 FTE nursing staff per 1,000 patient separations and 4.2 FTE nursing staff per 1,000 patient days in private hospitals was substantially lower than those for public hospitals (20.3 FTE per 1,000 separations and 4.8 FTE per 1,000 days) (Table 48). These differences are largely associated with wide differences in the nursing care requirements of the patients they treated. Detailed statistics on the demographic characteristics of patients, and their diagnosis and medical procedure in public and private hospitals are presented in *Australian Hospital Statistics 1998–99* (AIHW 2000).

Other changes in patient statistics and staffing in private acute and psychiatric hospitals in Australia over that period included the following:

- a 16.0% increase in separations and a 3.4% increase in patient bed days;
- a decrease of 10.5% in patient average stay days;

- an increase of 4.5% in separations per FTE nurse and a decline of 6.8% in patient days per FTE nurse.

Private free-standing day hospitals

Free-standing day hospitals are those that provide facilities for investigation and treatment for acute conditions on a day-only basis and are approved by the Commonwealth for the purposes of basic table health insurance benefits. Compared with public hospitals and other private hospitals, private free-standing day hospitals are quite small, and few statistics are available. In total, they comprised only 1,319 FTE staff in 1998-99, servicing 302,100 patients (i.e., separations). However, these numbers have been increasing rapidly over the last few years. Between 1995-96 and 1998-99, total FTE staff in private free-standing day hospitals increased by 48.2% (comprising a 50.1% increase in FTE nurses and a 45.8% increase in other staff), and the number of patient separations increased by 44.7%. Over the same period, separations per FTE nursing staff decreased by 3.5% (Table 51).

Geographic distribution of the nursing workforce, 1997

This chapter presents 1997 survey data on the characteristics of employed *registered* and *enrolled nurses* by geographical location using the Rural, Remote and Metropolitan Areas Classification (Department of Primary Industries and Energy and the Department of Health and Family Services 1994).

Of the 222,211 employed *registered* and *enrolled* nurses in 1997, 62.7% worked in a capital city, 6.9% in other metropolitan centres, 27.4% in rural areas, and the remaining 3.0% in remote areas. This distribution was almost the same as that of the overall population.

The number of *registered* nurses in capital cities grew, both in number (from 110,131 to 116,052) and proportion (from 63.9% to 66.0%) between 1994 and 1997. During the same period the number of *enrolled* nurses declined from 26,317 to 23,311. In other metropolitan centres there was a decrease in both numbers and percentage for *registered* 13,966 (8.1%) to 11,930 (6.8%) and *enrolled* nurses 4,495 (8.5%) to 3,455 (7.5%). Large rural centres experienced a similar decrease in both *registered* and *enrolled* nurses, whilst the remaining rural and remote centres maintained fairly constant numbers over the period.

Table 5: Registered and Enrolled Nurses by geographic location 1994 and 1997

	Capital City	Other Metropolitan	Large Rural Centre	Small Rural Centre	Other Rural Area	Remote Centre	Other Remote Area	Total
1994								
Registered Nurse	110,131	13,966	16,830	11,719	15,738	1,648	2,403	172,434
Enrolled Nurse	26,317	4,495	5,473	5,118	9,456	658	1,159	52,676
Total	136,448	18,461	22,303	16,837	25,194	2,306	3,562	225,110
1997								
Registered Nurse	116,052	11,930	14,912	12,220	16,030	1,936	2,857	175,937
Enrolled Nurse	23,311	3,455	4,265	4,784	8,600	752	1,107	46,274
Total	139,363	15,385	19,177	17,004	24,630	2,688	3,964	222,211
(per cent)								
1994								
Registered Nurse	63.9	8.1	9.8	6.8	9.1	1.0	1.4	100.0
Enrolled Nurse	50.0	8.5	10.4	9.7	18.0	1.3	2.2	100.0
Total	60.6	8.2	9.9	7.5	11.2	1.0	1.6	100.0
1997								
Registered Nurse	66.0	6.8	8.5	6.9	9.1	1.1	1.6	100.0
Enrolled Nurse	50.4	7.5	9.2	10.3	18.6	1.6	2.4	100.0
Total	62.7	6.9	8.6	7.7	11.1	1.2	1.8	100.0

There was noticeable variation in the composition of the workforce between capital cities and other areas. For example *registered* nurses made up 83.3% of all nurses in capital cities, compared with around 78% in other metropolitan areas and large rural centres, and 71.9% in small rural centres. Somewhat counter-intuitively, *registered* nurses made up higher proportions of all nurses in remote centres and other remote areas (both around 72) than they did in other rural areas (65.1%) (Table 6).

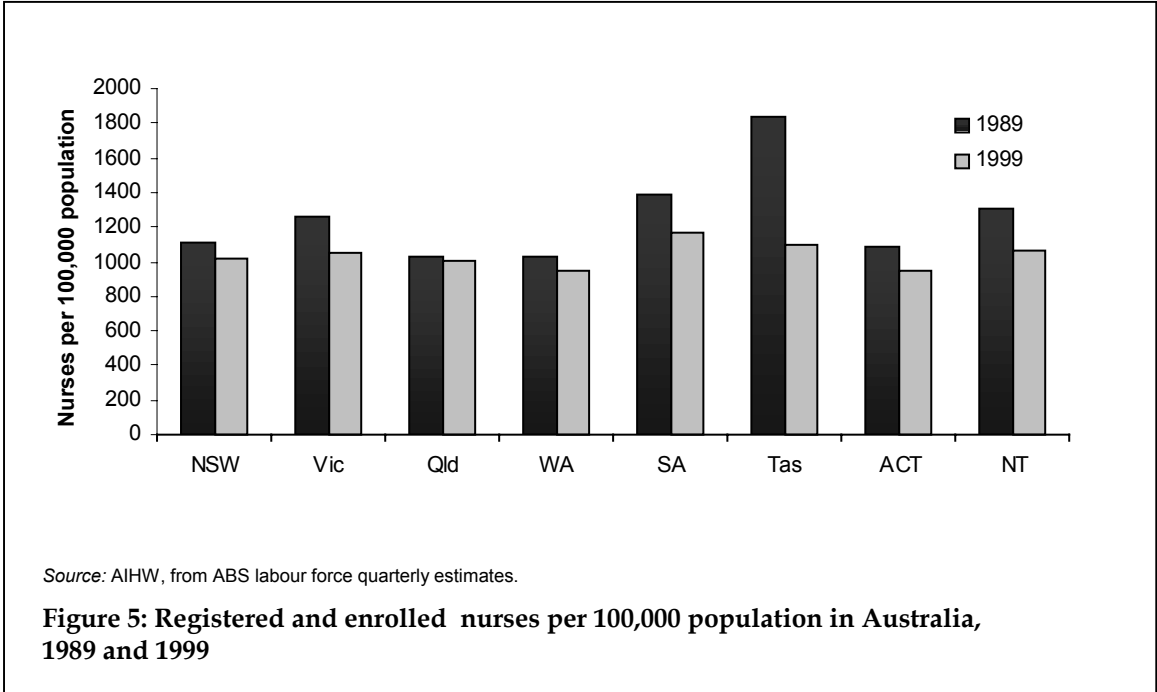
In 1997 *enrolled* nurses were much more likely to work (42.2%) in rural and remote areas in their main job than *registered* nurses (27.3%).

Table 6: Registered and enrolled nurses – Workforce Composition 1997

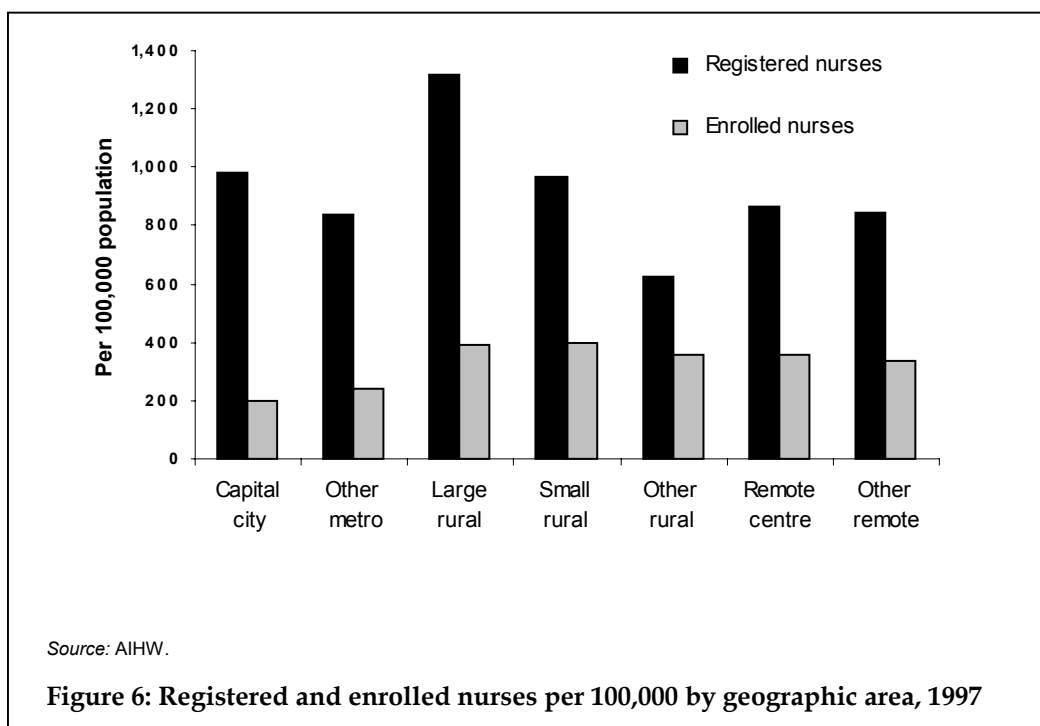
	Capital Cities	Other Metropolitan	Large Rural Centres	Small Rural Centres	Other Rural Areas	Remote centres	Other Remote Areas	Total
	Per cent							
Registered Nurses	83.3	77.5	77.8	71.9	65.1	72.0	72.1	79.2
Enrolled Nurses	16.7	22.5	22.2	28.1	34.9	28.0	27.9	20.8
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nurses per 100,000 population

Differences in the number of employed nurses per 100,000 of the population between the States and Territories have narrowed over the decade to 1999, ranging from 980 per 1,000 in Queensland to 1,294 in the Northern Territory.



Differences were more marked between metropolitan and non-metropolitan areas, particularly for *registered* nurses. In 1997, nurse employment per 100,000 population in large rural centres (1,734), small rural centres (1,410) and remote centres (1,214) exceeded that for capital cities (1,12). However, around 30% of nurses in rural and remote areas except for large rural centres were *enrolled* nurses, compared with 16.7% in capital cities.



Demographics

Male distribution

Male nurses comprised 7.7% of the national nursing workforce. Of these, 65.4% were employed in capital cities, 7.9% in other metropolitan centres, 10.4% in large rural centres, 0.8% in remote centres and 1.5% in other remote areas. This did not vary greatly from the overall distribution of nurses of 66.0%, 6.8%, 8.5%, 1.1% and 1.6% in each of those areas, respectively.

Age

There was no obvious pattern, either between the States and Territories, or across the geographical areas, in the average age of all employed nurses. However, there were some differences between *registered* and *enrolled* nurses across the geographic locations. For example, the average age of employed *registered* nurses ranged from 43.2 years in other rural areas down to 39.3 years in remote centres (Table 43), while that for employed *enrolled* nurses ranged from 40.0 years in other rural areas and capital cities down to 37.7 years in remote centres (Table 44).

Hours worked

Employed *registered* nurses worked an average of 31.8 hours per week. Apart from remote centres and other remote areas (where average hours worked was highest, at 35.1 per week), the hours worked by nurses decreased with the size of the location (from 32.2 hours per week in capital cities to 29.6 in other rural areas) (Table 45). The proportion of employed *registered* nurses working less than 35 hours per week ranged from 60.0% in 'Other rural areas' down to 37.4% in remote areas.

For employed *enrolled* nurses, average weekly hours were 29.9, and varied from 31.5 in remote areas down to 28.7 hours in 'Other rural areas', and the proportion working less than 35 hours ranged from 65.5% in 'Other rural areas' to 57.1% in 'Other metropolitan centres' (Table 46).

Workforce Planning

Nurse unemployment

The number of *registered* and *enrolled* nurses who were not employed in any job and who were looking for work in nursing fell sharply from 9,066 in 1993 to 4,344 in 1997. As a percentage of the employed nursing labour force, this represented a fall from 4.2% in 1993 to 2.0% in 1997.

During the same period, the Skilled Vacancy Survey of the Department of Employment, Workplace Relations and Small Business recorded a substantial rise in vacancies (seasonally adjusted) for *registered* nurses. In December 1993, there were 288 vacancies, increasing to 567 in 1994. However, an increase in the number of unemployed nurses into the workforce resulted in a decrease in the vacancy level to 327 in December 1997.

Nurse shortages

Information on shortages of *registered* nurses in various occupations was obtained from the Department of Employment, Workplace Relations and Small Business (DEWRSB), which monitors occupational labour markets in Australia and assesses whether skill shortages exist.

The Department skills shortages as follows:

“Skill shortages exist when employers are unable to fill, or have considerable difficulty in filling vacancies for an occupation, or specialised skill needs within that occupation, at current levels of remuneration and conditions of employment, and reasonably accessible location. Shortages are typically for specialised and experienced workers, and can coexist with relatively high unemployment overall or in the occupation. An occupation may be assessed as in shortage even though not all specialisations may be in shortage. Occupations may be in shortage in particular geographical areas and not in others”

The Department does not quantify the skill shortage of the occupations that it identifies are in shortage at a particular point in time.

In February 2001 the following *registered* nurse occupations were experiencing Australia-wide shortages – operating theatre, critical/intensive care, accident/emergency, cardiothoracic, neo-natal intensive care, neurological, paediatric, aged care, midwife, renal, oncology, palliative care, perioperative, indigenous health, general *registered* nurse and mental health (Table 7).

Table 7: Nursing occupations in shortage, States and Territories, February 2001

Nursing occupation in demand	Australia	NSW/ACT	Vic	Qld	WA	SA	Tas	NT
General RN	Y	Y	Y	Y	Y	Y	Y	Y
Operating theatre RN	Y	Y	Y	Y	Y	Y	Y	Y
Accident/emergency RN	Y	Y	Y	Y	Y	Y	Y	Y
Cardiothoracic RN	Y	R	Y	Y	Y	Y	Y	Y
Neurological RN	Y	R	Y	Y	Y	Y	..	Y
Neonatal intensive Care RN	Y	R	Y	Y	Y	Y	Y	Y
Paediatric RN	Y	R	Y	Y	Y	Y	..	Y
Critical/intensive care RN	Y	Y	Y	Y	Y	Y	Y	Y
Renal RN	Y	R	Y	Y	Y	Y	..	Y
Aged care RN	Y	Y	Y	Y	..	Y	Y	Y
Oncology RN	Y	Y	Y	Y	Y	Y	Y	Y
Palliative Care	Y	R	Y	Y	Y	Y	..	Y
Perioperative RN	Y	R	Y	Y	R	Y	..	Y
Indigenous Health	Y	R	..	Y	Y	..	..	Y
Community Nursing	Y	Y	Y	Y	R	..	..	Y
Registered midwife	Y	R	Y	Y	Y	R	Y	Y
Registered Mental Health Nurse	Y	Y	Y	Y	Y	Y	Y	Y
Enrolled Nurse*	..	..	..	..	R	..	..	..

Note: Y means in shortage; R means shortage in some regional areas only,

* Aged Care

Source: DEWRSB National and State skills shortage lists.

Nurse shortages in these areas have continued for several years, although their extent has varied slightly from year to year. Some States and Territories also experienced State-wide or regional shortages in other nursing occupations.

A number of committees have been set up by government to examine these and other issues relating to the composition and supply of the health care workforce. In 2000, the Health Ministers' Advisory Council (AHMAC) established the Australian Health Workforce Committee (AHWAC) to provide advice on health workforce issues other than the medical workforce. The AHMAC identified nursing as the initial workforce for which it required advice. In response, AHWAC has established working parties to provide advice on the current supply and future demand for midwives and intensive care nurses.

In 2001, a national review of nursing education was set up jointly by the Minister for Education, Training and Youth Affairs, and the Minister for Health and Aged Care. The terms of reference for the review team included: models of nurse education and training; types of skills and knowledge required; and strategies to attract new recruits and encourage ongoing learning of existing nurses.

In early April 2001 it was announced that the Senate Community Affairs References Committee would hold an inquiry into nursing. The inquiry will be covering such issues as: the shortage of nurses and the impact on health and aged care services, improvements to the education and training of nurses, recruitment and retention strategies and occupational health and safety.

Nurse education

The biennial nursing survey shows that 88.7% of employed nurses gained their initial nursing qualification in Australia, with 6.5% qualifying in the United Kingdom or Ireland, 1.8% in New Zealand, 1.8% in Asia and 1.2% in other countries.

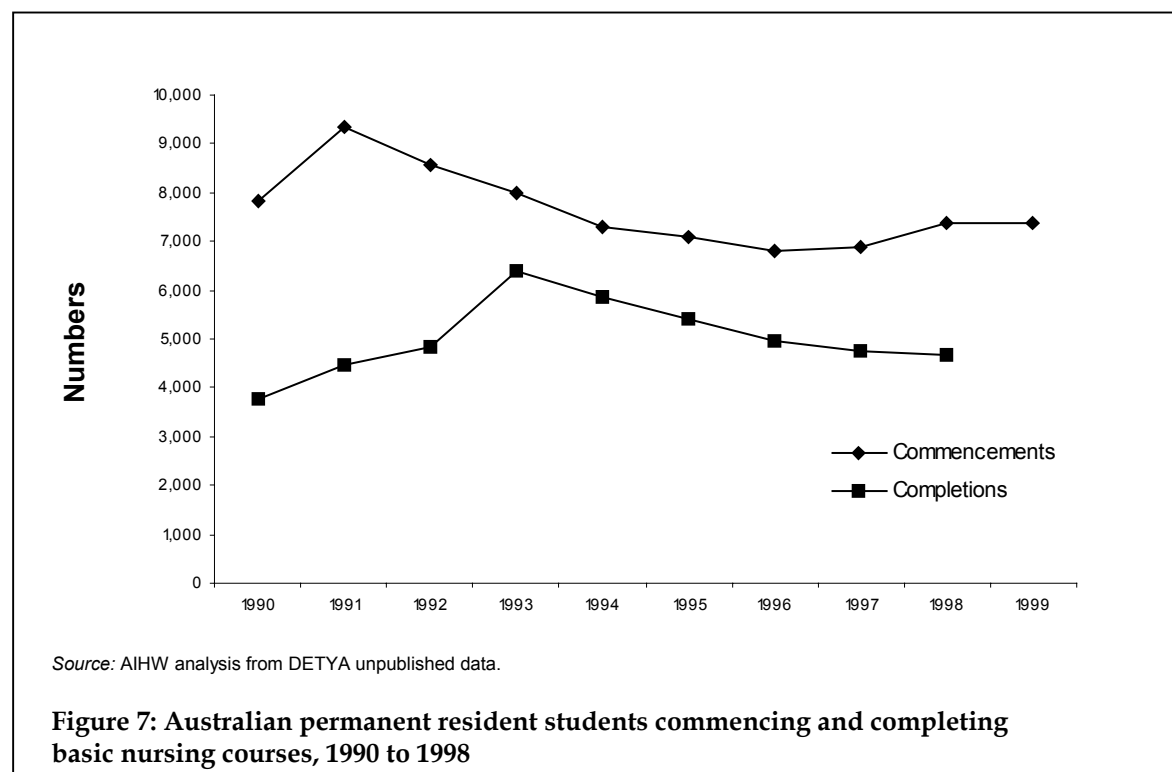
Currently *registered* nurses gain their initial qualification through a three-year university degree throughout Australia. Prior to 1984 *registered* nurses gained their initial qualification through hospital-based training. This transfer was a staged process that varied in timing between States and Territories – the transfer was complete by the end of 1993.

Basic nurse courses are defined as preliminary or initial courses in health care, and are undertaken in higher education institutions. Post-Basic training is available to nurses who, although already trained as nurses, do not have graduate level qualifications and therefore cannot enrol in post-graduate courses or become registered.

Enrolled nurse training is undertaken through technical and further education institutions in each state.

In total, there were 13,318 students (including Australian citizens or residents and overseas students) who commenced nursing courses in 1999, making up 43.4% of all nursing enrolments. Of these, 7,803 or 58.6% commenced basic nursing courses and 5,515 or 41.4% commenced post-basic nursing courses. Most (86.3%) were female.

The numbers of Australian citizen or permanent resident students who commenced basic nursing training at Australian universities decreased from 9,325 in 1991 to 6,821 in 1996, then increased to 7,388 in 1999. Numbers of Australian students completing basic nurse training declined from 6,397 in 1993 to 4,661 in 1998 (Figure 7).



Of Australian citizens or permanent residents who commenced higher education nursing courses in 1999, 62.4% came from a capital city, 7.3% from another metropolitan area, 27.4% from rural areas and 2.2% from remote areas. This closely reflects the population distribution in 1999 of 63.9% in capital cities; 7.6% in other metropolitan areas; 25.6% and 3% in rural and

remote areas respectively and may indicate the diverse locations of institutions offering nursing training.

In 1998, 10,097 students completed nursing courses at Australian universities; 49.8% completed basic and 50.2% post-basic nursing courses. Of students completing basic nursing courses, 92.7% were Australian citizens or permanent residents and 7.3% were overseas students.

Of the 8,687 Australian permanent resident students in 1998 who completed nursing courses, 81.6% were born in Australia and 17.8% were born overseas. Of the 1,547 students born overseas, over one third (35.8%) were from the United Kingdom and Ireland.

Of the 30,686 students enrolled in nursing courses in 1999, two thirds (66.6%) were enrolled in basic nursing courses and one third (33.4%) in post-basic nursing courses. This represented a 14.1% decline from the peak enrolment of 35,708 in 1993 (Table 66).

Of students enrolled in basic nursing courses in 1999, 96.1% were Australian citizen or permanent resident students, and 3.9% were overseas students. Since 1996, there has been a decrease in the number of overseas students enrolled in basic nursing courses.

In 1999, 49.5% of post-basic nursing students commencing, 37.2% of those enrolled in, and 34.5% of those completing, bachelor (pass and honours) courses were overseas students.

The numbers of nurses completing postgraduate diplomas is important in addressing workforce requirements for specialist fields of nursing practice. There has been concern from some State health authorities that shortages in specialist fields of nursing practice are being exacerbated by the costs of course fees and time out of the workforce to undertake post-basic training. Between 1994 and 1998, the number of Australian permanent resident nurses completing postgraduate diplomas in nursing increased by 68.9% from 921 to 1,556 (Table 67). However, only 1,757 persons commenced postgraduate diplomas in nursing in 1999, a decline from 2,075 in 1997 and 2,038 in 1996 (Table 65). Additional training for specialised fields is not always available in all centres.

Nurse migration

International migration statistics in this publication were produced by AIHW from data provided by the Department of Immigration and Multicultural Affairs. Since 1998–99, responsibility for assessing overseas nurses for Australian registration has been gradually moved from the Australian Nursing Council (ANC) to the State and Territory Governments. The ANC still assesses some nurses, such as those who are working as nurses on holiday visas and who have applied for permanent residency.

Australia has a relatively low level of recruitment of overseas-trained nurses. This is in contrast to the medical workforce in which State health authorities make extensive use of temporary resident doctors to ameliorate workforce shortages. In 1998–99, there were 2,198 doctors and 772 nurses from overseas countries who migrated to Australia temporarily for employment. Of the nurses, 439 were from the United Kingdom and Ireland and 253 were from New Zealand. There was a sharp rise between 1995–96 and 1998–1999, from 250 to 772. Of these, 450 migrated for a long-term stay, and 322 for a short-term stay.

A similar number of Australian nurses (851) left Australia for overseas employment, resulting in a temporary net loss of 79 nurses. Of those who left, one half (51.5%) went to work in the United Kingdom/Ireland, 17.6% to the Middle East and 6.8% to the United States or Canada (Table 72).

In 1998–99, migration flows included 1,080 nurses who were residents of foreign countries and who permanently migrated to Australia, and a further 1,552 nurses who were Australian residents returning after a long-term (12 months or more) overseas stay. Also, 661 Australian

nurses permanently migrated from Australia and a further 653 nurses departed who had been residing in Australia for 12 months or more. This resulted in a net gain of 1,318 nurses in Australia.

In 1998–99, 172 nurses arrived in Australia for a short or long-term stay for education purposes, of whom 90 had previously resided in Asia. Some 39 Australian resident nurses departed for long-term study overseas, of whom 20 went to the United Kingdom/Ireland (Table 71).

International comparison

The Organisation for Economic Co-operation and Development (OECD) defines certified nurses into two categories: First Level – those who have had a minimum of three years of formal training; and Second Level – those who have had between one and two years of formal training. These categories correspond to *registered* and *enrolled* nurses respectively in Australia.

Not all OECD countries use the same definition for certified nurses, and formal training varies considerably across countries. A footnote has been used to indicate where the definitions are known to differ from the standard OECD definition.

These differences mean that comparisons with the OECD ‘average’ are limited. Australia appears, however, to have a higher provision of *registered* nurses per 100,000 population than do most other OECD countries. Australia’s level of 1064.6 is the fourth highest of the OECD countries after Ireland (1,533.9), Switzerland (1379.9) and Finland (1,353.2) (Table 8).

Table 8: Certified nurses: OECD countries, 1997

Country	Certified Nurses^(a)	Population ('000)	Nurses per 100,000 population
Australia	197,211	18,524	1,064.6
Austria	70,970	8,072	879.2
Canada ^(b)	229,813	29,987	766.4
Czech Republic ^(c)	83,366	10,304	809.1
Denmark	38,110	5,284	721.2
Finland	69,553	5,140	1,353.2
France ^(c,d)	347,918	58,608	593.6
Germany ^(c)	777,000	82,052	947.0
Greece	38,112	10,497	363.1
Hungary ^(c)	50,386	10,155	496.2
Iceland ^(d) (1994)	3,615	266	733.8
Ireland ^(e)	56,155	3,661	1,533.9
Italy ^(f)	303,328	56,868	533.4
Japan ^(d) (1996)	928,896	125,864	738.0
Korea	58,212	45,991	126.6
Luxembourg	2,988	421	709.7
Mexico	102,314	93,938	108.9
New Zealand ^(d)	34,016	3,761	904.4
Norway	41,677	4,405	946.1
Poland (1996)	215,295	38,618	557.5
Portugal	36,586	9,950	367.7
Spain ^(e)	181,877	39,323	462.5
Sweden ^(d) (1995)	90,200	8,837	1,020.7
Switzerland ^(g) (1990)	93,781	6,796	1,379.9
Turkey ^(h)	67,265	63,745	105.5
United Kingdom ^(c,i)	262,732	59,009	445.2
United States ^(d)	2,203,000	267,744	822.8
Total	6,584,376	1,067,820	616.5

- (a) The OECD definition of certified nurses is the number of nurses certified or registered and actively practicing in public and private hospitals, clinics and other health facilities. It excludes nurses who are working abroad, and those working in administration, research or industry. Numbers should be reported as full-time equivalents, but in most cases are reported as head counts: those that are reported as full-time equivalents are noted. Most countries include nursing auxiliaries numbers, where this category exists.
- (b) Excludes licensed nursing assistants (nursing auxiliaries); includes some retired nurses and nurses in industry, research and administration.
- (c) Refers to full-time equivalents.
- (d) Includes nurses in industry, research and administration.
- (e) Includes all nurses on the register, including nurses not active in nursing and those in training.
- (f) Includes nurses employed in public and private hospitals and in Local Health Units only.
- (g) Includes all employed nurses.
- (h) Includes nurses in administration.
- (i) Includes nurses employed by the National Health Service only. Nurse numbers exclude Northern Ireland nurses.

Source: OECD Health Data File, 2000.

Table 9: Registrations and enrolments, States and Territories, 1993 to 1999

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Registrations									
1993	71,361	54,246	37,515	18,643	17,969	6,440	3,906	2,550	212,630
1994	71,960	55,163	38,221	18,430	17,613	6,103	3,817	2,261	213,568
1995	73,178	52,699	34,073	18,359	17,283	6,083	3,930	2,305	207,910
1996	74,131	49,716	34,924	18,709	17,250	5,640	3,905	2,763	207,038
1997	74,659	52,245	34,278	19,346	17,021	5,375	3,681	2,895	209,500
1998	74,895	52,783	34,703	19,374	16,897	5,224	3,632	3,020	210,528
1999	75,224	51,903	35,252	20,909	17,163	4,988	3,745	3,694	212,878
Enrolments									
1993	16,569	26,285	10,952	6,054	6,369	1,390	822	384	68,825
1994	16,521	24,796	9,145	5,855	6,090	1,390	787	523	65,107
1995	16,565	20,323	8,188	6,146	5,770	1,387	780	466	59,625
1996	16,578	17,965	8,039	5,688	5,618	1,267	719	536	56,410
1997	16,477	17,896	7,351	5,131	5,369	1,176	636	546	54,582
1998	16,343	17,771	7,230	5,279	5,165	1,092	649	551	54,080
1999	16,366	17,020	7,168	5,219	5,174	875	693	590	53,105
Total									
1993	87,930	80,531	48,467	24,697	24,338	7,830	4,728	2,934	281,455
1994	88,481	79,959	47,366	24,285	23,703	7,493	4,604	2,784	278,675
1995	89,743	73,022	42,261	24,505	23,053	7,470	4,710	2,771	267,535
1996	90,709	67,681	42,963	24,397	22,868	6,907	4,624	3,299	263,448
1997	91,136	70,141	41,629	24,477	22,390	6,551	4,317	3,441	264,082
1998	91,238	70,554	41,933	24,653	22,062	6,316	4,281	3,571	264,608
1999	91,590	68,923	42,420	26,128	22,337	5,863	4,438	4,284	265,983
(percentage change from previous year)									
Registrations									
1994	0.8	1.7	1.9	-1.1	-2.0	-5.2	-2.3	-11.3	0.4
1995	1.7	-4.5	-10.9	-0.4	-1.9	-0.3	3.0	1.9	-2.6
1996	1.3	-5.7	2.5	1.9	-0.2	-7.3	-0.6	19.9	-0.4
1997	0.7	5.1	-1.8	3.4	-1.3	-4.7	-5.7	4.8	1.2
1998	0.3	1.0	1.2	0.1	-0.7	-2.8	-1.3	4.3	0.5
1999	0.4	-1.7	1.6	7.9	1.6	-4.5	3.1	22.3	1.1
Enrolments									
1994	-0.3	-5.7	-16.5	-3.3	-4.4	—	-4.3	36.2	-5.4
1995	0.3	-18.0	-10.5	5.0	-5.3	-0.2	-0.9	-10.9	-8.4
1996	0.1	-11.6	-1.8	-7.5	-2.6	-8.7	-7.8	15.0	-5.4
1997	-0.6	-0.4	-8.6	-9.8	-4.4	-7.2	-11.5	1.9	-3.2
1998	-0.8	-0.7	-1.6	2.9	-3.8	-7.1	2.0	0.9	-0.9
1999	0.1	-4.2	-0.9	-1.1	0.2	-19.9	6.8	7.1	-1.8
Total									
1994	0.6	-0.7	-2.3	-1.7	-2.6	-4.3	-2.6	-5.1	-1.0
1995	1.4	-8.7	-10.8	0.9	-2.7	-0.3	2.3	-0.5	-4.0
1996	1.1	-7.3	1.7	-0.4	-0.8	-7.5	-1.8	19.1	-1.5
1997	0.5	3.6	-3.1	0.3	-2.1	-5.2	-6.6	4.3	0.2
1998	0.1	0.6	0.7	0.7	-1.5	-3.6	-0.8	3.8	0.2
1999	0.4	-2.3	1.2	6.0	1.2	-7.2	3.7	20.0	0.5

Source: State and Territory nurse registration boards.

Table 10: Registered and enrolled nurse workforce, Australia, 1990 to 1999

Year	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia	Employed part-time	
	('000)								('000) (per cent)		
Employed registered nurses											
1990	52.7	43.6	22.8	11.7	12.9	6.5	2.2	1.2	153.5	60.8	39.6
1991	59.3	41.2	27.1	13.5	13.7	6.8	1.9	1.4	164.5	65.4	39.7
1992	51.4	39.7	27.0	14.1	13.2	6.8	2.0	1.7	155.8	61.5	39.5
1993	53.9	39.9	24.7	15.0	15.1	5.2	2.0	1.6	157.4	63.7	40.5
1994	58.1	33.6	25.5	13.7	12.7	5.2	2.5	1.4	152.6	63.1	41.4
1995	56.4	41.0	23.9	14.4	13.7	5.6	2.7	1.2	158.7	68.2	42.9
1996	57.1	42.4	26.6	13.8	14.2	5.0	2.3	1.7	162.5	68.9	42.4
1997	52.0	43.1	30.5	14.8	13.8	5.1	2.1	1.7	162.9	67.1	41.2
1998	58.5	47.2	27.6	15.3	12.4	4.9	2.8	1.7	170.4	71.7	42.1
1999	58.8	42.8	28.1	15.4	12.9	4.8	2.7	2.0	167.4	72.3	43.2
Employed enrolled nurses											
1990	8.7	16.5	6.8	4.6	6.7	1.2	0.2	0.5	45.0	21.1	46.8
1991	9.9	14.9	7.2	4.7	5.4	1.6	0.4	0.5	44.5	22.7	51.0
1992	11.8	17.2	7.1	3.4	5.2	1.3	0.4	0.2	46.6	24.2	51.8
1993	11.4	15.3	6.4	5.0	4.3	1.9	0.5	0.2	44.9	23.6	52.6
1994	9.7	16.0	7.6	3.0	4.2	1.5	0.3	0.1	42.2	22.6	53.6
1995	10.0	12.3	6.8	4.6	3.7	1.8	0.4	0.2	39.6	19.7	49.7
1996	7.3	12.0	6.3	3.8	5.0	1.1	0.2	0.3	36.1	18.2	50.4
1997	9.1	9.3	5.9	2.9	3.8	0.3	0.2	0.2	31.5	16.2	51.4
1998	8.0	8.1	6.1	3.8	4.5	0.2	0.2	0.2	30.9	14.6	47.2
1999	7.1	6.8	7.2	2.2	4.6	0.3	0.3	0.1	28.5	14.1	49.5
Employed registered and enrolled nurses											
1990	61.3	60.1	29.6	16.3	19.6	7.7	2.4	1.6	198.5	81.8	41.2
1991	69.2	56.1	34.3	18.2	19.1	8.4	2.3	1.8	209.0	88.0	42.1
1992	63.2	56.8	34.2	17.5	18.4	8.0	2.4	1.9	202.4	85.6	42.3
1993	65.3	55.1	31.1	20.0	19.4	7.1	2.5	1.8	202.2	87.3	43.2
1994	67.8	49.6	33.1	16.7	16.8	6.6	2.8	1.5	194.8	85.7	44.0
1995	66.3	53.3	30.7	19.0	17.4	7.3	3.0	1.3	198.4	87.8	44.3
1996	64.4	54.4	32.9	17.6	19.2	6.1	2.5	2.0	198.6	87.1	43.9
1997	61.1	52.4	36.3	17.6	17.6	5.3	2.3	1.9	194.3	83.2	42.8
1998	66.5	55.2	33.6	19.2	16.9	5.1	3.0	1.9	201.3	86.3	42.9
1999	65.9	49.6	35.3	17.6	17.4	5.2	2.9	2.1	195.9	86.4	44.1
Population											
1989	5,771.9	4,321.5	2,834.1	1,594.7	1,424.6	451.1	278.7	156.3	16,833.1	..	..
1999	6,441.7	4,712.2	3,512.4	1,861.0	1,493.1	470.3	310.2	192.9	18,966.8	..	..
Employment per 100,000 population											
1989	1,110.6	1,256.5	1,033.8	1,025.3	1,388.1	1,834.4	1,085.4	1,311.6	1,171.1	..	..
1999	1,023.0	1,052.1	1,003.6	947.1	1,167.0	1,095.0	942.9	1,062.7	1,032.7	..	..
Employed enrolled nurses as % of nurse workforce											
(per cent)											
1989	20.6	26.2	26.2	26.9	26.3	21.8	15.7	22.0	24.0	26.6	..
1999	10.7	13.7	20.3	12.6	26.1	6.3	9.4	4.9	14.5	16.3	..

Notes

1. The above annual estimates are the averages of the four quarterly estimates.
2. The sampling fraction for the monthly labour force survey was 1 in 230 dwellings for NSW and Victoria, 1 in 160 for Qld, 1 in 70 for Tasmania and 1 in 115 for other States and Territories prior to September 1992.
3. The sampling fraction for the monthly labour force survey was 1 in 277 dwellings for NSW, 1 in 242 for Victoria, 1 in 195 for Qld, 1 in 139 for SA, 1 in 146 for WA and 1 in 75 for Tasmania and the Territories from September 1992.
4. *The Labour Force Australia* (ABS cat. no. 6203.0) provides the standard errors for labour force survey estimates.

Source: AIHW, from ABS labour force quarterly estimates.

Table 11: Registered and enrolled nurses: employment status, Australia, 1993 to 1997

Employment status/ occupation	1993	1994	1995	1996	1997	1993	1994	1995	1996	1997
Employed in nursing, only or mainly in State/Territory						(per cent)				
Clinician	195,737	204,748	195,692	197,458	197,211	90.3	91.0	88.7	90.5	88.7
Administrator	8,538	8,534	10,027	9,159	11,940	3.9	3.8	4.5	4.2	5.4
Teacher/educator	4,623	4,717	4,717	3,796	5,158	2.1	2.1	2.1	1.7	2.3
Researcher	637	627	884	719	1,173	0.3	0.3	0.4	0.3	0.5
Other	7,161	6,484	9,347	7,040	6,729	3.3	2.9	4.2	3.2	3.0
<i>Total</i>	<i>216,696</i>	<i>225,110</i>	<i>220,666</i>	<i>218,172</i>	<i>222,211</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Employed in nursing ^(a)	216,696	225,110	220,666	218,172	222,211	93.2	92.9	95.5	94.6	95.8
On extended leave	2,535	2,856	2,594	3,943	3,149	1.1	1.2	1.1	1.7	1.4
Looking for work in nursing										
Employed elsewhere	4,306	4,280	2,447	3,260	2,188	1.9	1.8	1.1	1.4	0.9
Not employed	9,066	9,979	5,456	5,143	4,344	3.9	4.1	2.4	2.2	1.9
<i>Total</i>	<i>13,372</i>	<i>14,259</i>	<i>7,902</i>	<i>8,403</i>	<i>6,532</i>	<i>5.7</i>	<i>5.9</i>	<i>3.4</i>	<i>3.6</i>	<i>2.8</i>
<i>Nursing labour force</i>	<i>232,603</i>	<i>242,225</i>	<i>231,163</i>	<i>230,519</i>	<i>231,892</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Overseas	4,142	4,218	3,675	3,667	3,939	10.9	15.8	13.1	14.6	16.6
Not looking for work in nursing										
Employed elsewhere	13,410	9,831	10,501	9,298	8,732	35.2	36.8	37.5	37.1	36.9
Not employed	20,565	12,696	13,820	12,120	10,989	54.0	47.5	49.4	48.3	46.4
<i>Total</i>	<i>33,975</i>	<i>22,527</i>	<i>24,321</i>	<i>21,419</i>	<i>19,721</i>	<i>89.1</i>	<i>84.2</i>	<i>86.9</i>	<i>85.4</i>	<i>83.4</i>
<i>Not in nursing labour force</i>	<i>38,117</i>	<i>26,745</i>	<i>27,996</i>	<i>25,085</i>	<i>23,659</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Nursing labour force	232,603	242,225	231,163	230,519	231,892	85.9	90.1	89.2	90.2	90.7
Not in nursing labour force	38,117	26,745	27,996	25,085	23,659	14.1	9.9	10.8	9.8	9.3
<i>Total registered, enrolled</i>	<i>270,720</i>	<i>268,970</i>	<i>259,159</i>	<i>255,604</i>	<i>255,551</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Multiple registrations	10,733	9,703	8,376	7,975	8,531	..	..	..	..	..
Total registrations	281,453	278,673	267,535	263,579	264,082	..	..	..	..	..

(a) Excludes nurses on extended leave.

Source: AIHW.

Table 12: Employed nurses and full-time equivalent nurses per 100,000 population: States and Territories, 1993 to 1997

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Number of nurses per 100,000 population, 1993									
All nurses	1,096	1,368	1,164	1,218	1,502	1,317	1,059	1,090	1,227
FTE nurses ^(a)	876	1,034	928	953	1,149	998	855	932	958
FTE nurses ^(b)	994	1,145	1,047	1,083	1,252	1,103	978	1,089	1,074
Population ('000)	5,997.4	4,464.2	3,116.0	1,676.3	1,462.9	471.4	298.9	169.3	17,656.4
Number of nurses per 100,000 population, 1994									
All nurses	1,093	1,500	1,214	1,223	1,457	1,257	1,018	1,071	1,262
FTE nurses ^(a)	881	1,162	984	960	1,114	952	835	918	998
FTE nurses ^(b)	999	1,282	1,115	1,083	1,214	1,053	979	1,061	1,118
Population ('000)	6,049.2	4,475.5	3,196.1	1,701.1	1,469.4	472.5	300.9	171.1	17,835.8
Number of nurses per 100,000 population, 1995									
All nurses	1,105	1,420	1,070	1,238	1,423	1,376	1,098	1,062	1,222
FTE nurses ^(a)	824	1,133	868	1,004	1,099	1,077	884	923	957
FTE nurses ^(b)	934	1,284	952	1,173	1,201	1,212	1,006	1,106	1,079
Population ('000)	6,115.1	4,502.0	3,277.4	1,731.7	1,474.0	473.0	304.1	173.9	18,051.2
Number of nurses per 100,000 population, 1996									
All nurses	1,100	1,309	1,092	1,212	1,413	1,271	1,064	1,213	1,192
FTE nurses ^(a)	819	1,043	887	1,137	939	995	953	948	931
FTE nurses ^(b)	984	1,178	962	1,236	1,097	1,120	1,142	1,079	1,064
Population ('000)	6,203.9	4,560.8	3,339.1	1,765.7	1,474.4	474.6	308.0	181.9	18,308.4
Number of nurses per 100,000 population, 1997									
All nurses	1,115	1,339	1,084	1,208	1,383	1,270	1,099	1,189	1,200
FTE nurses ^(a)	916	1,060	910	982	1,090	998	908	1,066	976
FTE nurses ^(b)	1,026	1,157	980	1,121	1,193	1,090	1,009	1,294	1,077
Population ('000)	6,272.8	4,605.2	3,397.1	1,797.9	1,479.7	473.5	308.0	186.9	18,521.0
(percentage change between 1993 and 1997)									
All nurses	1.7	-2.2	-6.9	-0.9	-7.9	-3.6	3.7	9.1	-2.2
FTE nurses ^(a)	4.6	2.5	-1.9	3.0	-5.1	0.1	6.2	14.4	1.9
FTE nurses ^(b)	3.2	1.0	-6.3	3.5	-4.7	-1.1	3.1	18.8	0.4
Population	4.6	3.2	9.0	7.3	1.1	0.4	3.0	10.4	4.9

(a) Calculated on the basis that all nurses working 35 or more hours per week are counted as one full-time equivalent (FTE) and all working less than 35 hours per week are a portion of a FTE.

(b) Calculated on the basis that hours worked is divided by 35 for all nurses, i.e. a nurse working 70 hours per week equals 2 FTEs, one working 21 hours equals 0.6 FTEs.

Source: AIHW.

Table 13: Registered and enrolled nurses: employment status, Australia, 1993 to 1999

Employment status/occupation	Survey results					Estimates ^(a)	
	1993	1994	1995	1996	1997	1998	1999
Employed in nursing, only or mainly in State/Territory							
Clinician ^(b)	195,737	204,748	195,692	197,458	197,211	197,915	198,943
Administrator	8,538	8,534	10,027	9,159	11,940	10,581	10,636
Teacher/educator	4,623	4,717	4,717	3,796	5,158	4,491	4,514
Researcher	637	627	884	719	1,173	949	954
Other	7,161	6,484	9,347	7,040	6,729	6,905	6,941
<i>Total employed in nursing^(c)</i>	<i>216,696</i>	<i>225,110</i>	<i>220,666</i>	<i>218,172</i>	<i>222,211</i>	<i>220,840</i>	<i>221,988</i>
On extended leave ^(d)	2,535	2,856	2,594	3,943	3,149	3,557	3,575
Looking for work in nursing							
Employed elsewhere	4,306	4,280	2,447	3,260	2,188	2,732	2,746
Not employed	9,066	9,979	5,456	5,143	4,344	4,757	4,782
Total	13,372	14,259	7,902	8,403	6,532	7,489	7,528
<i>Nursing labour force</i>	<i>232,603</i>	<i>242,225</i>	<i>231,163</i>	<i>230,519</i>	<i>231,890</i>	<i>231,886</i>	<i>233,096</i>
Overseas	4,142	4,218	3,675	3,667	3,939	3,814	3,834
Not looking for work in nursing							
Employed elsewhere	13,410	9,831	10,501	9,298	8,732	9,042	9,089
Not employed	20,565	12,696	13,820	12,120	10,989	11,589	11,649
Total	33,975	22,527	24,321	21,419	19,721	20,630	20,737
<i>Not in nursing labour force</i>	<i>38,117</i>	<i>26,745</i>	<i>27,996</i>	<i>25,085</i>	<i>23,659</i>	<i>24,444</i>	<i>24,571</i>
<i>Total registered, enrolled nurses</i>	<i>270,720</i>	<i>268,970</i>	<i>259,159</i>	<i>255,604</i>	<i>255,551</i>	<i>256,330</i>	<i>257,662</i>
Multiple registrations, enrolments	10,733	9,703	8,376	7,975	8,531	8,278	8,321
Total registrations, enrolments	281,453	278,673	267,535	263,579	264,082	264,608	265,983

(a) Estimated, based on applying the average of 1996 and 1997 data to total registrations and enrolments for 1998 and 1999.

(b) Includes clinical nurse managers.

(c) Excludes nurses on extended leave.

(d) Not included as an option on the New South Wales and Queensland survey forms for 1993, 1994 or 1995, and on the Queensland survey form for 1997.

Source: AIHW.

Table 14: Registered and enrolled nurses: professional employment status, States and Territories, 1997

Professional employment status	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Employed in nursing, only or mainly in this State									
Clinician	56,845	53,156	34,528	19,385	17,916	5,279	2,791	1,960	191,860
Clinical nurse manager	2,452	2,509	n.a.	n.a.	n.a.	228	161	n.a.	5,351
Administrator	5,615	2,906	1,280	850	804	219	142	124	11,940
Teacher/educator	2,282	1,222	575	458	362	82	99	78	5,158
Researcher	483	275	124	148	104	19	8	12	1,173
Other	2,283	1,573	306	870	1,279	187	183	49	6,729
<i>Total</i>	<i>69,960</i>	<i>61,641</i>	<i>36,813</i>	<i>21,711</i>	<i>20,465</i>	<i>6,014</i>	<i>3,384</i>	<i>2,223</i>	<i>222,211</i>
On extended leave	843	1,237	n.a.	261	537	108	64	99	3,149
Looking for work in nursing									
Employed elsewhere	1,032	559	240	137	128	29	14	50	2,188
Not employed	1,695	1,159	735	300	250	76	59	70	4,344
<i>Total</i>	<i>2,727</i>	<i>1,718</i>	<i>974</i>	<i>436</i>	<i>378</i>	<i>104</i>	<i>74</i>	<i>120</i>	<i>6,532</i>
<i>Nursing labour force</i>	<i>73,530</i>	<i>64,596</i>	<i>37,788</i>	<i>22,409</i>	<i>21,379</i>	<i>6,227</i>	<i>3,522</i>	<i>2,442</i>	<i>231,892</i>
Overseas	1,823	750	713	420	100	20	42	69	3,939
Not looking for work in nursing									
Employed elsewhere	5,847	1,052	612	438	247	63	275	197	8,732
Not employed	6,463	1,713	1,213	733	351	134	224	157	10,989
<i>Total</i>	<i>12,310</i>	<i>2,765</i>	<i>1,825</i>	<i>1,171</i>	<i>598</i>	<i>198</i>	<i>500</i>	<i>354</i>	<i>19,721</i>
<i>Not in nursing labour force</i>	<i>14,132</i>	<i>3,515</i>	<i>2,538</i>	<i>1,592</i>	<i>699</i>	<i>218</i>	<i>542</i>	<i>423</i>	<i>23,659</i>
<i>Total registered nurses</i>	<i>87,663</i>	<i>68,111</i>	<i>40,326</i>	<i>24,001</i>	<i>22,078</i>	<i>6,445</i>	<i>4,064</i>	<i>2,865</i>	<i>255,551</i>
Multiple registrations	3,473	2,030	1,303	476	312	106	253	576	8,531
Total registrations	91,136	70,141	41,629	24,477	22,390	6,551	4,317	3,441	264,082

Source: AIHW.

Table 15: Registered and enrolled nurses employed as clinicians: area of clinical nursing, States and Territories, 1997

Area of clinical nursing	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Mixed medical and surgical	3,809	9,849	5,874	4,561	3,973	727	301	199	29,293
Medical	8,901	2,421	2,426	1,542	1,041	492	162	76	17,059
Surgical	5,947	3,004	2,926	1,560	1,195	393	274	109	15,408
Coronary care or surgery	1,623	993	–	–	–	–	72	–	2,688
Geriatric/gerontology	9,750	13,147	5,087	2,417	3,417	1,061	281	134	35,294
Oncology	996	984	600	–	–	67	38	–	2,684
Perioperative /operating	4,472	3,588	2,503	1,358	1,309	404	238	102	13,974
Theatre/recovery									
Rehabilitation	1,592	1,686	–	–	–	64	33	–	3,375
Renal	477	400	–	–	–	–	49	–	926
Respiratory medicine/asthma	379	90	–	–	–	14	3	–	486
Critical care/intensive care	3,317	2,211	1,741	903	835	197	196	72	9,472
Casualty accident/emergency	2,134	1,499	1,067	589	455	159	119	117	6,139
Midwifery	4,263	4,060	2,360	1,192	1,354	426	325	212	14,192
Mental health/psychiatric	4,254	3,060	2,222	1,123	1,134	299	127	75	12,294
Community nursing	1,737	2,179	1,625	991	983	394	153	233	8,295
Developmental disability	1,502	371	186	180	190	92	12	2	2,535
Occupational health	168	305	221	108	149	8	5	16	981
Paediatric	886	1,057	1,089	632	486	119	110	144	4,522
Aboriginal health	50	17	–	–	–	–	–	–	67
Child and family health	707	865	446	209	255	131	88	28	2,729
School children's health	129	171	119	186	30	–	12	24	672
No one principal area	584	937	934	424	44	121	23	166	3,233
Other	1,623	2,771	3,105	1,409	1,065	339	331	252	10,894
Total	59,297	55,665	34,528	19,385	17,916	5,507	2,952	1,961	197,211
	(per cent)								
Mixed medical and surgical	6.4	17.7	17.0	23.5	22.2	13.2	10.2	10.2	14.9
Medical	15.0	4.3	7.0	8.0	5.8	8.9	5.5	3.9	8.6
Surgical	10.0	5.4	8.5	8.0	6.7	7.1	9.3	5.6	7.8
Coronary care or surgery	2.7	1.8	0.0	0.0	0.0	0.0	2.4	0.0	1.4
Geriatric/gerontology	16.4	23.6	14.7	12.5	19.1	19.3	9.5	6.8	17.9
Oncology	1.7	1.8	1.7	0.0	0.0	1.2	1.3	0.0	1.4
Perioperative/operating	7.5	6.4	7.2	7.0	7.3	7.3	8.1	5.2	7.1
Theatre/recovery									
Rehabilitation	2.7	3.0	0.0	0.0	0.0	1.2	1.1	0.0	1.7
Renal	0.8	0.7	0.0	0.0	0.0	0.0	1.7	0.0	0.5
Respiratory medicine/asthma	0.6	0.2	0.0	0.0	0.0	0.3	0.1	0.0	0.2
Critical care/intensive care	5.6	4.0	5.0	4.7	4.7	3.6	6.6	3.7	4.8
Casualty accident/emergency	3.6	2.7	3.1	3.0	2.5	2.9	4.0	6.0	3.1
Midwifery	7.2	7.3	6.8	6.1	7.6	7.7	11.0	10.8	7.2
Mental health/psychiatric	7.2	5.5	6.4	5.8	6.3	5.4	4.3	3.8	6.2
Community nursing	2.9	3.9	4.7	5.1	5.5	7.2	5.2	11.9	4.2
Developmental disability	2.5	0.7	0.5	0.9	1.1	1.7	0.4	0.1	1.3
Occupational health	0.3	0.5	0.6	0.6	0.8	0.1	0.2	0.8	0.5
Paediatric	1.5	1.9	3.2	3.3	2.7	2.2	3.7	7.3	2.3
Aboriginal health	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Child and family health	1.2	1.6	1.3	1.1	1.4	2.4	3.0	1.4	1.4
School children's health	0.2	0.3	0.3	1.0	0.2	0.0	0.4	1.2	0.3
No one principal area	1.0	1.7	2.7	2.2	0.2	2.2	0.8	8.5	1.6
Other	2.7	5.0	9.0	7.3	5.9	6.2	11.2	12.9	5.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW.

Table 16: Employed registered and enrolled nurses: age and sex, States and Territories, 1997

Age (years)	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
<25	322	186	204	60	60	9	4	6	851
25-29	782	577	540	199	147	26	37	16	2,325
30-34	774	727	447	294	181	56	31	6	2,516
35-39	1,132	862	499	386	274	79	38	26	3,296
40-44	1,340	822	512	413	280	104	52	40	3,563
45-49	852	541	357	213	202	78	27	34	2,304
50-54	397	276	207	125	132	39	12	9	1,197
55-59	192	129	88	60	100	27	7	7	610
60-64	74	61	53	25	39	6	1	6	264
65+	27	11	9	13	14	3	—	—	77
Total	5,891	4,191	2,916	1,787	1,429	427	210	152	17,003
Average age	38.8	38.4	37.9	41.0	39.8	41.9	41.8	38.2	38.8
Females									
<25	3,217	2,907	1,908	778	863	161	68	99	10,001
25-29	6,736	6,954	4,275	1,918	2,044	408	258	219	22,810
30-34	7,708	7,805	4,746	2,432	2,604	734	334	360	26,724
35-39	12,467	10,030	5,925	3,897	3,692	1,085	400	634	38,131
40-44	12,686	10,341	5,402	3,697	3,699	1,174	361	656	38,017
45-49	8,960	8,450	4,693	2,756	3,085	876	268	580	29,667
50-54	6,486	5,970	3,591	1,775	2,308	670	192	402	21,394
55-59	3,740	3,451	2,215	936	1,427	374	91	214	12,449
60-64	1,472	1,234	889	384	441	87	29	57	4,594
65+	597	308	252	104	119	17	12	11	1,421
Total	64,069	57,450	33,897	18,678	20,282	5,586	2,013	3,232	205,208
Average age	40.5	40.2	40.2	40.9	40.2	41.4	42.0	39.4	40.4
Persons									
<25	3,538	3,093	2,112	838	923	170	72	106	10,852
25-29	7,518	7,531	4,815	2,117	2,191	434	295	235	25,136
30-34	8,482	8,532	5,193	2,726	2,786	790	364	366	29,240
35-39	13,599	10,892	6,424	4,283	3,966	1,164	438	661	41,427
40-44	14,025	11,163	5,915	4,110	3,979	1,278	413	697	41,580
45-49	9,812	8,991	5,050	2,969	3,287	954	295	613	31,971
50-54	6,883	6,247	3,798	1,899	2,441	709	203	411	22,592
55-59	3,932	3,580	2,303	996	1,527	401	98	221	13,059
60-64	1,546	1,294	941	409	480	94	31	64	4,859
65+	624	319	261	117	133	20	12	11	1,498
Total	69,960	61,641	36,813	20,465	21,711	6,014	2,222	3,384	222,211
Average age	40.4	40.1	40.1	40.9	40.2	41.5	41.9	39.3	40.3

(continued)

Table 16 (continued): Employed registered and enrolled nurses: age, sex, States and Territories, 1997

Age (years)	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
(per cent—males)									
<25	5.5	4.4	7.0	3.3	4.2	2.2	2.1	4.1	5.0
25–29	13.3	13.8	18.5	11.1	10.3	6.0	17.9	10.8	13.7
30–34	13.1	17.3	15.3	16.5	12.7	13.1	14.6	4.2	14.8
35–39	19.2	20.6	17.1	21.6	19.2	18.5	18.2	17.3	19.4
40–44	22.7	19.6	17.6	23.1	19.6	24.2	25.0	26.6	21.0
45–49	14.5	12.9	12.2	11.9	14.1	18.3	12.7	22.0	13.5
50–54	6.7	6.6	7.1	7.0	9.2	9.1	5.5	6.2	7.0
55–59	3.3	3.1	3.0	3.3	7.0	6.4	3.4	4.6	3.6
60–64	1.2	1.4	1.8	1.4	2.7	1.5	0.7	4.1	1.6
65+	0.5	0.3	0.3	0.7	1.0	0.7	0.0	0.0	0.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—females)									
<25	5.0	5.1	5.6	4.2	4.3	2.9	3.4	3.1	4.9
25–29	10.5	12.1	12.6	10.3	10.1	7.3	12.8	6.8	11.1
30–34	12.0	13.6	14.0	13.0	12.8	13.1	16.6	11.1	13.0
35–39	19.5	17.5	17.5	20.9	18.2	19.4	19.9	19.6	18.6
40–44	19.8	18.0	15.9	19.8	18.2	21.0	17.9	20.3	18.5
45–49	14.0	14.7	13.8	14.8	15.2	15.7	13.3	17.9	14.5
50–54	10.1	10.4	10.6	9.5	11.4	12.0	9.5	12.4	10.4
55–59	5.8	6.0	6.5	5.0	7.0	6.7	4.5	6.6	6.1
60–64	2.3	2.1	2.6	2.1	2.2	1.6	1.5	1.8	2.2
65+	0.9	0.5	0.7	0.6	0.6	0.3	0.6	0.3	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—persons)									
<25	5.1	5.0	5.7	4.1	4.3	2.8	3.2	3.1	4.9
25–29	10.7	12.2	13.1	10.3	10.1	7.2	13.3	6.9	11.3
30–34	12.1	13.8	14.1	13.3	12.8	13.1	16.4	10.8	13.1
35–39	19.4	17.7	17.5	20.9	18.3	19.4	19.7	19.5	18.6
40–44	20.0	18.1	16.1	20.1	18.3	21.2	18.6	20.6	18.7
45–49	14.0	14.6	13.7	14.5	15.1	15.9	13.3	18.1	14.4
50–54	9.8	10.1	10.3	9.3	11.2	11.8	9.2	12.1	10.2
55–59	5.6	5.8	6.3	4.9	7.0	6.7	4.4	6.5	5.9
60–64	2.2	2.1	2.6	2.0	2.2	1.6	1.4	1.9	2.2
65+	0.9	0.5	0.7	0.6	0.6	0.3	0.6	0.3	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW.

Table 17: Employed registered and enrolled nurses: total hours worked and sex, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
	Males								
1-9	103	80	39	20	22	7	—	3	274
10-19	328	102	62	33	47	5	8	3	588
20-29	413	313	148	76	125	49	11	5	1,140
30-34	335	480	243	102	177	57	15	3	1,412
35-39	2,323	1,706	1,200	568	845	179	49	76	6,945
40-49	1,999	1,243	1,125	453	451	107	68	78	5,523
50-59	175	88	89	32	68	4	—	19	475
60-69	49	32	9	23	12	5	—	11	142
70-79	71	110	—	90	24	14	—	2	310
80 and over	95	38	—	31	16	1	3	9	193
<i>Total</i>	<i>5,891</i>	<i>4,191</i>	<i>2,916</i>	<i>1,429</i>	<i>1,787</i>	<i>427</i>	<i>152</i>	<i>210</i>	<i>17,003</i>
<i>Average weekly hours</i>	<i>37.4</i>	<i>37.6</i>	<i>37.2</i>	<i>40.4</i>	<i>37.8</i>	<i>37.2</i>	<i>37.1</i>	<i>42.5</i>	<i>37.7</i>
	Females								
1-9	2,312	2,472	1,106	786	876	187	94	53	7,886
10-19	8,095	8,569	3,720	2,594	3,044	721	325	113	27,182
20-29	14,228	14,437	6,967	4,413	4,703	1,748	884	280	47,660
30-34	6,466	10,018	5,062	3,023	2,961	858	519	123	29,030
35-39	14,442	11,556	9,012	4,741	3,979	1,024	556	412	45,721
40-49	16,037	8,566	7,635	3,336	2,525	868	684	817	40,468
50-59	824	514	362	221	189	36	65	83	2,295
60-69	351	416	33	243	135	48	39	33	1,297
70-79	686	634	—	680	116	66	40	20	2,242
80 and over	628	269	—	244	150	30	26	78	1,425
<i>Total</i>	<i>64,069</i>	<i>57,450</i>	<i>33,897</i>	<i>20,282</i>	<i>18,678</i>	<i>5,586</i>	<i>3,232</i>	<i>2,013</i>	<i>205,208</i>
<i>Average weekly hours</i>	<i>31.7</i>	<i>29.7</i>	<i>31.2</i>	<i>31.9</i>	<i>29.5</i>	<i>29.5</i>	<i>31.9</i>	<i>37.6</i>	<i>30.9</i>
	Persons								
1-9	2,415	2,551	1,146	806	898	194	94	56	8,160
10-19	8,424	8,671	3,781	2,628	3,091	726	333	116	27,771
20-29	14,641	14,750	7,115	4,489	4,828	1,797	895	285	48,800
30-34	6,802	10,498	5,305	3,125	3,138	914	533	127	30,442
35-39	16,764	13,261	10,213	5,308	4,824	1,203	604	488	52,666
40-49	18,035	9,808	8,760	3,789	2,977	975	752	896	45,991
50-59	999	602	451	254	257	40	65	102	2,771
60-69	401	448	42	266	147	53	39	44	1,439
70-79	757	744	—	770	140	80	40	21	2,552
80 and over	722	307	—	275	166	32	29	87	1,618
Total	69,960	61,641	36,813	21,711	20,465	6,014	3,384	2,222	222,211
Average weekly hours	32.2	30.2	31.7	32.5	30.2	30.0	32.1	38.1	31.4

(continued)

Table 17 (continued): Employed registered and enrolled nurses: total hours worked and sex, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
	(per cent—males)								
1–9	1.7	1.9	1.3	1.4	1.2	1.5	—	1.6	1.6
10–19	5.6	2.4	2.1	2.3	2.6	1.1	5.2	1.5	3.5
20–29	7.0	7.5	5.1	5.3	7.0	11.5	7.2	2.2	6.7
30–34	5.7	11.4	8.3	7.1	9.9	13.3	9.6	1.5	8.3
35–39	39.4	40.7	41.2	39.7	47.3	41.9	31.9	36.3	40.8
40–49	33.9	29.7	38.6	31.7	25.2	25.0	44.3	37.4	32.5
50–59	3.0	2.1	3.0	2.3	3.8	1.0	—	9.0	2.8
60–69	0.8	0.8	0.3	1.6	0.7	1.3	—	5.3	0.8
70–79	1.2	2.6	—	6.3	1.3	3.2	—	0.7	1.8
80 and over	1.6	0.9	—	2.2	0.9	0.3	1.7	4.5	1.1
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	(per cent—females)								
1–9	3.6	4.3	3.3	3.9	4.7	3.3	2.9	2.6	3.8
10–19	12.6	14.9	11.0	12.8	16.3	12.9	10.1	5.6	13.2
20–29	22.2	25.1	20.6	21.8	25.2	31.3	27.3	13.9	23.2
30–34	10.1	17.4	14.9	14.9	15.9	15.4	16.0	6.1	14.1
35–39	22.5	20.1	26.6	23.4	21.3	18.3	17.2	20.5	22.3
40–49	25.0	14.9	22.5	16.4	13.5	15.5	21.2	40.6	19.7
50–59	1.3	0.9	1.1	1.1	1.0	0.6	2.0	4.1	1.1
60–69	0.5	0.7	0.1	1.2	0.7	0.9	1.2	1.6	0.6
70–79	1.1	1.1	—	3.4	0.6	1.2	1.2	1.0	1.1
80 and over	1.0	0.5	—	1.2	0.8	0.5	0.8	3.9	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	(per cent—persons)								
1–9	3.5	4.1	3.1	3.7	4.4	3.2	2.8	2.5	3.7
10–19	12.0	14.1	10.3	12.1	15.1	12.1	9.9	5.2	12.5
20–29	20.9	23.9	19.3	20.7	23.6	29.9	26.4	12.8	22.0
30–34	9.7	17.0	14.4	14.4	15.3	15.2	15.8	5.7	13.7
35–39	24.0	21.5	27.7	24.4	23.6	20.0	17.9	22.0	23.7
40–49	25.8	15.9	23.8	17.5	14.5	16.2	22.2	40.3	20.7
50–59	1.4	1.0	1.2	1.2	1.3	0.7	1.9	4.6	1.2
60–69	0.6	0.7	0.1	1.2	0.7	0.9	1.1	2.0	0.6
70–79	1.1	1.2	—	3.5	0.7	1.3	1.2	1.0	1.1
80 and over	1.0	0.5	—	1.3	0.8	0.5	0.9	3.9	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	(per cent working part-time hours)								
Males	20.0	23.3	16.9	16.2	20.7	27.4	22.0	6.8	20.1
Females	48.5	61.8	49.7	53.3	62.0	62.9	56.4	28.3	54.5
Persons	46.1	59.2	47.1	50.9	58.4	60.4	54.8	26.3	51.8

Source: AIHW survey.

Table 18: Employed nurses: type of nurse, country of initial qualification, States and Territories 1997

Country of initial qualification	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Registered nurses									
Australia	49,242	40,367	26,937	13,074	15,212	4,616	2,585	1,599	153,632
New Zealand	841	604	915	583	45	50	45	63	3,147
Other Oceania	103	—	25	—	2	—	—	—	130
UK/Ireland	3,949	3,482	1,801	3,014	263	252	171	159	13,091
Other Europe	459	464	171	130	52	21	13	15	1,325
Middle East/North Africa	102	—	8	—	5	—	—	1	117
Asia	1,903	1,115	174	334	23	6	37	19	3,610
Nth America	235	—	146	—	20	—	—	15	416
Central/Sth America	45	—	3	—	2	—	—	1	52
West/East Africa	38	—	31	—	4	—	—	7	80
South Africa	215	—	114	—	5	—	—	3	338
Total	57,133	46,032	30,325	17,135	15,634	4,945	2,851	1,882	175,937
Enrolled nurses									
Australia	11,957	14,722	5,981	4,097	4,789	1,045	505	313	43,409
New Zealand	262	166	277	155	5	6	8	13	893
Other Oceania	28	—	14	—	—	—	—	—	42
UK/Ireland	326	488	179	297	22	11	8	15	1,345
Other Europe	64	119	21	9	9	6	—	—	228
Middle East/North Africa	14	—	—	—	—	—	—	—	14
Asia	125	114	9	19	—	—	12	—	279
Nth America	12	—	6	—	4	—	—	—	21
Central/Sth America	28	—	—	—	2	—	—	—	30
West/East Africa	4	—	—	—	—	—	—	—	4
South Africa	8	—	1	—	—	—	—	—	9
Total	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274
Total									
Australia	61,200	55,089	32,919	17,171	20,001	5,661	3,089	1,910	197,041
New Zealand	1,103	770	1,193	738	51	57	53	76	4,040
Other Oceania	131	—	39	—	2	—	—	—	172
UK/Ireland	4,274	3,970	1,980	3,311	285	263	179	174	14,436
Other Europe	522	584	191	138	61	27	13	15	1,553
Middle East/North Africa	116	—	8	—	5	—	—	1	131
Asia	2,028	1,229	183	352	23	6	49	19	3,889
Nth America	247	—	152	—	23	—	—	15	437
Central/Sth America	73	—	3	—	4	—	—	1	81
West/East Africa	42	—	31	—	4	—	—	7	84
South Africa	223	—	115	—	5	—	—	3	347
Total	69,960	61,641	36,813	21,711	20,465	6,014	3,384	2,223	222,211

Source: AIHW survey.

Table 19: Employed nurses: type of nurse, country of birth, selected States and Territories, 1997

Country of birth	Vic	Qld	WA	Tas	ACT	Total
Registered nurses						
Australia	36,715	24,138	11,063	4,147	2,304	78,367
New Zealand	756	1,184	707	80	60	2,786
Other Oceania	—	315	—	—	—	315
UK/Ireland	4,030	2,709	3,845	550	287	11,421
Other Europe	1,320	625	385	103	71	2,505
Middle East/North Africa	—	34	—	—	—	34
Asia	3,211	754	1,135	65	129	5,293
North America	—	237	—	—	—	237
Central/South America	—	43	—	—	—	43
West East Africa	—	141	—	—	—	141
South Africa	—	144	—	—	—	144
Total	46,032	30,325	17,135	4,945	2,851	101,288
Enrolled nurses						
Australia	13,077	5,242	3,364	976	410	23,096
New Zealand	273	352	193	11	17	878
Other Oceania	—	56	—	—	—	68
UK/Ireland	1,199	538	756	62	63	2,564
Other Europe	604	153	120	15	21	904
Middle East/North Africa	—	—	—	—	—	—
Asia	457	106	144	5	21	715
North America	—	15	—	—	—	18
Central/South America	—	6	—	—	—	8
West East Africa	—	17	—	—	—	21
South Africa	—	2	—	—	—	3
Total	15,609	6,488	4,576	1,069	533	28,275
Total						
Australia	49,792	29,380	14,427	5,123	2,714	101,464
New Zealand	1,028	1,536	899	92	77	3,665
Other Oceania	—	371	—	—	—	383
UK/Ireland	5,229	3,246	4,601	612	351	13,985
Other Europe	1,924	779	505	118	92	3,410
Middle East/North Africa	—	34	—	—	—	34
Asia	3,668	860	1,278	69	150	6,008
North America	—	252	—	—	—	255
Central/South America	—	50	—	—	—	51
West East Africa	—	158	—	—	—	162
South Africa	—	146	—	—	—	147
Total	61,641	36,813	21,711	6,014	3,384	129,563

(continued)

Table 19 (continued): Employed nurses: type of nurse, country of birth, selected States and Territories, 1997

Country of birth	Vic	Qld	WA	Tas	ACT	Total
(per cent—registered nurses)						
Australia	79.8	79.6	64.6	83.9	80.8	77.4
New Zealand	1.6	3.9	4.1	1.6	2.1	2.8
Other Oceania	—	1.0	—	—	—	0.3
UK/Ireland	8.8	8.9	22.4	11.1	10.1	11.3
Other Europe	2.9	2.1	2.2	2.1	2.5	2.5
Middle East/North Africa	—	0.1	—	—	—	—
Asia	7.0	2.5	6.6	1.3	4.5	5.2
North America	—	0.8	—	—	—	0.2
Central/South America	—	0.1	—	—	—	—
West East Africa	—	0.5	—	—	—	0.1
South Africa	—	0.5	—	—	—	0.1
Total	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—enrolled nurses)						
Australia	83.8	80.8	73.5	91.3	77.0	81.7
New Zealand	1.7	5.4	4.2	1.1	3.2	3.1
Other Oceania	—	0.9	—	—	—	0.2
UK/Ireland	7.7	8.3	16.5	5.8	11.9	9.1
Other Europe	3.9	2.4	2.6	1.4	4.0	3.2
Middle East/North Africa	—	—	—	—	—	—
Asia	2.9	1.6	3.1	0.5	4.0	2.5
North America	—	0.2	—	—	—	0.1
Central/South America	—	0.1	—	—	—	—
West East Africa	—	0.3	—	—	—	0.1
South Africa	—	—	—	—	—	—
Total	100.0	100.0	100.0	100.0	100.0	100.0
(per cent— total)						
Australia	80.8	79.8	66.5	85.2	80.2	78.3
New Zealand	1.7	4.2	4.1	1.5	2.3	2.8
Other Oceania	—	1.0	—	—	—	0.3
UK/Ireland	8.5	8.8	21.2	10.2	10.4	10.8
Other Europe	3.1	2.1	2.3	2.0	2.7	2.6
Middle East/North Africa	—	0.1	—	—	—	—
Asia	6.0	2.3	5.9	1.2	4.4	4.6
North America	—	0.7	—	—	—	0.2
Central/South America	—	0.1	—	—	—	—
West East Africa	—	0.4	—	—	—	0.1
South Africa	—	0.4	—	—	—	0.1
Total	100.0	100.0	100.0	100.0	100.0	100.0

Note: NSW, SA and NT data are not included because of no responses.

Source: AIHW survey.

Table 20: Employed nurses: type of nurse, citizenship, States and Territories, 1997

Citizenship	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Registered nurses									
Australian citizen	53,340	43,090	28,535	15,365	n.a.	4,664	2,711	1,757	149,462
Non-Australian citizen	3,793	2,942	1,790	1,770	n.a.	281	140	125	10,841
Total	57,133	46,032	30,325	17,135	n.a.	4,945	2,851	1,882	160,303
Enrolled nurses									
Australian citizen	12,141	14,802	6,048	4,200	n.a.	1,027	508	315	39,041
Non-Australian citizen	686	807	440	376	n.a.	42	25	26	2,402
Total	12,827	15,609	6,488	4,576	n.a.	1,069	533	341	41,443
Registered and enrolled nurses									
Australian citizen	65,481	57,892	34,584	19,564	n.a.	5,691	3,219	2,072	188,503
Non-Australian citizen	4,479	3,749	2,229	2,147	n.a.	323	165	151	13,243
Total	69,960	61,641	36,813	21,711	n.a.	6,014	3,384	2,223	201,746
(per cent)									
Australian citizen	93.6	93.9	93.9	90.1	n.a.	94.6	95.1	93.2	93.4
Non-Australian citizen	6.4	6.1	6.1	9.9	n.a.	5.4	4.9	6.8	6.6
Total	100.0	100.0	100.0	100.0	n.a.	100.0	100.0	100.0	100.0

Source: AIHW survey.

Table 21: Registered nurses: professional employment status, occupation, States and Territories, 1997

Professional employment status/occupation	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Employed in nursing only or mainly in this State									
Clinician	45,116	38,885	28,148	15,317	13,522	4,267	2,322	1,629	149,206
Clinical nurse manager ^(a)	2,393	2,400	n.a.	n.a.	n.a.	228	161	n.a.	5,182
Administrator	5,360	2,670	1,255	794	794	214	132	120	11,339
Teacher/educator	2,127	1,059	568	432	360	82	94	74	4,797
Researcher	474	255	123	136	102	19	8	12	1,129
Other	1,663	762	232	456	857	134	134	45	4,283
<i>Total employed in nursing^(b)</i>	<i>57,133</i>	<i>46,032</i>	<i>30,325</i>	<i>17,135</i>	<i>15,634</i>	<i>4,945</i>	<i>2,851</i>	<i>1,882</i>	<i>175,937</i>
On extended leave	698	973	n.a.	217	412	99	60	84	2,544
Looking for work in nursing									
Employed elsewhere	764	296	164	87	60	16	10	34	1,430
Not employed	1,288	753	541	234	179	54	42	59	3,149
<i>Total</i>	<i>2,052</i>	<i>1,048</i>	<i>705</i>	<i>320</i>	<i>239</i>	<i>69</i>	<i>52</i>	<i>93</i>	<i>4,579</i>
<i>Nursing labour force</i>	<i>59,882</i>	<i>48,054</i>	<i>31,031</i>	<i>17,673</i>	<i>16,285</i>	<i>5,113</i>	<i>2,963</i>	<i>2,059</i>	<i>183,060</i>
Overseas	1,780	702	698	395	92	20	42	66	3,796
Not looking for work in nursing									
Employed elsewhere	4,686	634	458	305	154	51	240	133	6,660
Not employed	5,274	1,213	945	548	256	106	198	126	8,667
<i>Total</i>	<i>9,960</i>	<i>1,847</i>	<i>1,403</i>	<i>853</i>	<i>410</i>	<i>156</i>	<i>438</i>	<i>259</i>	<i>15,327</i>
<i>Not in nursing labour force</i>	<i>11,741</i>	<i>2,549</i>	<i>2,102</i>	<i>1,248</i>	<i>502</i>	<i>177</i>	<i>480</i>	<i>325</i>	<i>19,123</i>
<i>Total registered nurses^(d)</i>	<i>71,623</i>	<i>50,602</i>	<i>33,132</i>	<i>18,921</i>	<i>16,787</i>	<i>5,290</i>	<i>3,444</i>	<i>2,384</i>	<i>202,183</i>
Multiple registrations	3,036	1,643	1,146	425	234	85	237	511	7,317
Total registrations	74,659	52,245	34,278	19,346	17,021	5,375	3,681	2,895	209,500
(per cent of employed nurses)									
Employed in nursing									
Clinician	79.0	84.5	92.8	89.4	86.5	86.3	81.4	86.6	84.8
Clinical nurse manager ^(a)	4.2	5.2	n.a.	n.a.	n.a.	4.6	5.6	n.a.	2.9
Administrator	9.4	5.8	4.1	4.6	5.1	4.3	4.6	6.4	6.4
Teacher/educator	3.7	2.3	1.9	2.5	2.3	1.7	3.3	4.0	2.7
Researcher	0.8	0.6	0.4	0.8	0.7	0.4	0.3	0.6	0.6
Other	2.9	1.7	0.8	2.7	5.5	2.7	4.7	2.4	2.4
Total employed in nursing^(b)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent of total registered nurses)									
Employed in nursing	79.8	91.0	91.5	90.6	93.1	93.5	82.8	78.9	87.0
On extended leave ^(c)	1.0	1.9	n.a.	1.1	2.5	1.9	1.7	3.5	1.3
Looking for work in nursing	2.9	2.1	2.1	1.7	1.4	1.3	1.5	3.9	2.3
<i>Nursing labour force</i>	<i>83.6</i>	<i>95.0</i>	<i>93.7</i>	<i>93.4</i>	<i>97.0</i>	<i>96.7</i>	<i>86.0</i>	<i>86.4</i>	<i>90.5</i>
Overseas	2.5	1.4	2.1	2.1	0.5	0.4	1.2	2.8	1.9
Not looking for work in nursing	13.9	3.6	4.2	4.5	2.4	3.0	12.7	10.8	7.6
<i>Not in nursing labour force</i>	<i>16.4</i>	<i>5.0</i>	<i>6.3</i>	<i>6.6</i>	<i>3.0</i>	<i>3.3</i>	<i>14.0</i>	<i>13.6</i>	<i>9.5</i>
Total registered nurses	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(a) Included with clinicians for Queensland, Western Australia, South Australia and the Northern Territory.

(b) Excludes nurses on extended leave.

(c) Not included as an option on the Queensland survey form.

(d) Excludes multiple registrations.

Source: AIHW.

Table 22: Employed registered nurses: annual salary range and sex, States and Territories, 1997

Annual salary range	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
Nurses employed under a nursing award									
Less than \$28,729	23	539	—	40	2	—	3	—	606
\$28,730–\$41,992	2,848	1,326	1,997	889	1,155	282	72	85	8,653
\$41,993–\$50,471	783	889	270	189	245	48	55	85	2,564
\$50,472–\$58,710	815	206	44	26	56	6	—	5	1,159
\$58,711–\$70,038	102	96	46	24	38	4	—	7	316
\$70,039 or more	32	—	—	—	—	—	—	—	32
Other nurses									
Lecturer—higher education sector	63	74	19	15	30	4	—	2	206
Other	310	119	48	45	—	18	3	2	544
Total	4,976	3,248	2,423	1,227	1,525	362	133	186	14,081
Females									
Nurses employed under a nursing award									
Less than \$28,729	298	948	3	570	5	46	24	13	1,907
\$28,730–\$41,992	34,424	23,575	23,926	13,381	12,258	3,821	1,663	1,129	114,177
\$41,993–\$50,471	7,118	12,326	2,421	1,119	1,139	404	871	430	25,828
\$50,472–\$58,710	5,144	3,324	398	116	182	57	49	29	9,300
\$58,711–\$70,038	780	1,328	512	290	300	57	19	34	3,322
\$70,039 or more	311	—	—	—	—	35	16	—	362
Other nurses									
Lecturer—higher education sector	304	430	193	128	133	24	27	17	1,256
Other	3,777	853	449	303	91	138	49	44	5,704
Total	52,156	42,783	27,903	15,908	14,109	4,582	2,718	1,696	161,856
Persons									
Nurses employed under a nursing award									
Less than \$28,729	321	1,487	3	610	7	46	27	13	2,514
\$28,730–\$41,992	37,271	24,901	25,923	14,270	13,413	4,103	1,735	1,214	122,830
\$41,993–\$50,471	7,901	13,215	2,691	1,308	1,384	451	926	514	28,391
\$50,472–\$58,710	5,960	3,530	442	142	238	63	49	35	10,459
\$58,711–\$70,038	882	1,424	558	314	338	62	19	41	3,638
\$70,039 or more	343	—	—	—	—	35	16	—	394
Other nurses									
Lecturer—higher education sector	367	504	212	143	163	28	27	18	1,462
Other	4,087	972	497	348	91	156	51	46	6,248
Total	57,133	46,032	30,325	17,135	15,634	4,945	2,851	1,882	175,937

(continued)

Table 22 (continued): Employed registered nurses: annual salary range and sex, States and Territories, 1997

Annual salary range	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
(per cent—males)									
Nurses employed under a nursing award									
Less than \$28,729	0.5	16.6	—	3.2	0.1	—	2.1	—	4.3
\$28,730–\$41,992	57.2	40.8	82.4	72.4	75.7	77.8	54.1	45.8	61.5
\$41,993–\$50,471	15.7	27.4	11.1	15.4	16.1	13.1	41.7	45.8	18.2
\$50,472–\$58,710	16.4	6.3	1.8	2.1	3.7	1.6	—	2.8	8.2
\$58,711–\$70,038	2.1	2.9	1.9	1.9	2.5	1.2	—	3.7	2.2
\$70,039 or more	0.6	—	—	—	—	—	—	—	0.2
Other nurses									
Lecturer—higher education	1.3	2.3	0.8	1.2	2.0	1.2	—	0.9	1.5
Other	6.2	3.7	2.0	3.7	—	4.9	2.1	0.9	3.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—females)									
Nurses employed under a nursing award									
Less than \$28,729	0.6	2.2	0.0	3.6	0.0	1.0	0.9	0.8	1.2
\$28,730–\$41,992	66.0	55.1	85.7	84.1	86.9	83.4	61.2	66.6	70.5
\$41,993–\$50,471	13.6	28.8	8.7	7.0	8.1	8.8	32.0	25.3	16.0
\$50,472–\$58,710	9.9	7.8	1.4	0.7	1.3	1.3	1.8	1.7	5.7
\$58,711–\$70,038	1.5	3.1	1.8	1.8	2.1	1.2	0.7	2.0	2.1
\$70,039 or more	0.6	—	—	—	—	0.8	0.6	—	0.2
Other nurses									
Lecturer—higher education	0.6	1.0	0.7	0.8	0.9	0.5	1.0	1.0	0.8
Other	7.2	2.0	1.6	1.9	0.6	3.0	1.8	2.6	3.5
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—persons)									
Nurses employed under a nursing award									
Less than \$28,729	0.6	3.2	0.0	3.6	0.0	0.9	1.0	0.7	1.4
\$28,730–\$41,992	65.2	54.1	85.5	83.3	85.8	83.0	60.9	64.5	69.8
\$41,993–\$50,471	13.8	28.7	8.9	7.6	8.9	9.1	32.5	27.3	16.1
\$50,472–\$58,710	10.4	7.7	1.5	0.8	1.5	1.3	1.7	1.8	5.9
\$58,711–\$70,038	1.5	3.1	1.8	1.8	2.2	1.2	0.7	2.2	2.1
\$70,039 or more	0.6	—	—	—	—	0.7	0.6	—	0.2
Other nurses									
Lecturer—higher education	0.6	1.1	0.7	0.8	1.0	0.6	0.9	1.0	0.8
Other	7.2	2.1	1.6	2.0	0.6	3.2	1.8	2.4	3.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Note: For Victoria, Queensland, Western Australia, South Australia, Tasmania and the Northern Territory, the higher job classifications spanned several salary ranges. Nurses in these classifications have been enumerated in the salary range appropriate for the majority of nurses in the classifications. Therefore data for the \$50,472–\$58,710, \$58,711–\$70,038 and \$70,039 or more salary ranges should be treated with caution.

Source: AIHW.

Table 23: Registered nurses employed as clinicians and clinical nurse managers: area of clinical nursing, States and Territories, 1997

Area of clinical nursing	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia	% of total
Males										
Mixed medical and surgical	105	276	242	136	155	20	5	9	948	8.0
Medical	399	117	151	78	68	28	—	7	847	7.1
Surgical	233	114	165	54	61	14	—	5	646	5.4
Coronary care or surgery	129	63	(a)	(a)	(a)	—	13	(a)	205	1.7
Geriatric/Gerontology	260	213	83	42	93	27	2	4	724	6.1
Oncology	66	37	37	(a)	(a)	3	3	(a)	145	1.2
Perioperative/operating theatre/recovery	240	171	141	56	74	22	11	1	717	6.0
Rehabilitation	74	81	(a)	(a)	(a)	3	—	(a)	158	1.3
Renal	33	25	(a)	(a)	(a)	—	5	(a)	62	0.5
Respiratory medicine/asthma	23	7	(a)	(a)	(a)	—	—	(a)	29	0.2
Critical care/intensive care	384	250	242	63	155	20	11	5	1,129	9.5
Casualty accident/emergency	248	130	146	67	74	9	12	17	706	6.0
Midwifery	40	25	25	16	15	5	6	5	138	1.2
Mental health/psychiatric	1,208	847	709	379	370	91	35	25	3,663	30.9
Community nursing	67	79	49	27	61	14	2	35	334	2.8
Developmental disability	330	107	3	3	64	19	—	—	527	4.4
Occupational health	3	30	15	12	22	—	2	3	87	0.7
Paediatric	22	30	36	25	14	5	6	—	138	1.2
Aboriginal health	1	1	(a)	(a)	(a)	—	—	(a)	3	0.0
Child and family health	6	3	1	3	7	1	—	2	23	0.2
School children's health	—	1	1	6	2	—	—	—	11	0.1
No one principal area	24	27	42	21	2	8	2	21	148	1.3
Other	66	132	126	61	25	23	12	20	466	3.9
Total	3,962	2,766	2,213	1,052	1,262	314	128	158	11,854	100.0
Females										
Mixed medical and surgical	2,520	7,463	3,875	3,137	2,507	510	215	135	20,361	14.3
Medical	6,093	1,592	1,793	1,054	662	345	129	50	11,718	8.2
Surgical	4,566	2,494	2,446	1,289	890	342	203	79	12,309	8.6
Coronary care or surgery	1,306	835	(a)	(a)	(a)	—	59	(a)	2,201	1.5
Geriatric/Gerontology	6,443	5,565	3,407	1,526	2,055	686	188	68	19,938	14.0
Oncology	832	836	500	(a)	(a)	63	35	(a)	2,266	1.6
Perioperative/operating theatre/recovery	3,393	3,138	1,918	1,078	921	345	207	79	11,078	7.8
Rehabilitation	844	1,005	(a)	(a)	(a)	50	27	(a)	1,925	1.4
Renal	413	349	(a)	(a)	(a)	—	44	(a)	807	0.6
Respiratory medicine/asthma	308	69	(a)	(a)	(a)	11	3	(a)	391	0.3
Critical care/intensive care	2,901	1,874	1,450	809	676	175	186	61	8,132	5.7
Casualty accident/emergency	1,800	1,268	818	473	316	137	98	87	4,998	3.5
Midwifery	4,119	3,715	2,282	1,162	1,319	417	320	203	13,537	9.5
Mental health/psychiatric	2,444	1,458	1,140	564	581	135	87	39	6,449	4.5
Community nursing	1,490	1,923	1,497	789	754	332	95	192	7,074	5.0
Developmental disability	767	202	86	122	83	39	12	—	1,311	0.9
Occupational health	144	221	186	80	119	8	3	11	772	0.5
Paediatric	743	906	915	470	364	107	82	101	3,688	2.6
Aboriginal health	33	9	(a)	(a)	(a)	—	—	(a)	42	0.0
Child and family health	693	833	423	192	235	129	66	25	2,597	1.8
School children's health	122	152	113	170	26	—	12	24	618	0.4
No one principal area	429	635	607	279	36	86	20	119	2,212	1.6
Other	1,145	1,976	2,478	1,069	717	264	264	199	8,112	5.7
Total	43,547	38,520	25,935	14,266	12,260	4,181	2,355	1,471	142,534	100.0

(continued)

Table 23 (continued): Registered nurses employed as clinicians and clinical nurse managers: area of clinical nursing, States and Territories, 1997

Area of clinical nursing	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia	% of total
Persons										
Mixed medical and surgical	2,625	7,739	4,117	3,273	2,662	530	220	143	21,309	13.8
Medical	6,491	1,709	1,944	1,133	730	373	129	57	12,565	8.1
Surgical	4,799	2,608	2,611	1,344	952	356	203	83	12,955	8.4
Coronary care or surgery	1,436	899	(a)	(a)	(a)	—	72	(a)	2,406	1.6
Geriatric/Gerontology	6,703	5,778	3,490	1,568	2,148	713	190	72	20,661	13.4
Oncology	898	873	537	(a)	(a)	66	38	(a)	2,412	1.6
Perioperative/operating theatre/recovery	3,633	3,309	2,059	1,134	995	367	218	80	11,795	7.6
Rehabilitation	918	1,086	(a)	(a)	(a)	52	27	(a)	2,083	1.3
Renal	446	374	(a)	(a)	(a)	—	49	(a)	869	0.6
Respiratory medicine/asthma	330	76	(a)	(a)	(a)	11	3	(a)	420	0.3
Critical care/intensive care	3,285	2,124	1,692	873	831	195	196	66	9,261	6.0
Casualty accident/emergency	2,048	1,399	964	541	390	146	111	105	5,704	3.7
Midwifery	4,159	3,740	2,307	1,179	1,334	422	325	208	13,675	8.9
Mental health/psychiatric	3,652	2,306	1,850	943	950	226	122	64	10,112	6.5
Community nursing	1,558	2,003	1,546	816	815	346	98	227	7,408	4.8
Developmental disability	1,097	309	90	125	147	58	12	—	1,838	1.2
Occupational health	147	251	201	92	141	8	5	14	859	0.6
Paediatric	765	936	951	495	378	112	88	101	3,826	2.5
Aboriginal health	35	10	(a)	(a)	(a)	—	—	(a)	44	0.0
Child and family health	699	836	424	195	242	131	66	27	2,620	1.7
School children's health	122	153	114	176	28	—	12	24	628	0.4
No one principal area	453	662	649	301	38	95	23	140	2,360	1.5
Other	1,211	2,107	2,603	1,131	742	288	276	220	8,578	5.6
Total	47,509	41,285	28,148	15,317	13,522	4,495	2,483	1,629	154,388	100.0

(a) Some States used different classifications for area of clinical nursing and therefore some areas were not able to be separately identified.

Source: AIHW.

Table 24: Registered nurses employed as clinicians and clinical nurse managers: area of clinical nursing and total hours worked per week, Australia, 1997

Area of clinical nursing	Hours worked per week							Total
	1-9	10-19	20-29	30-34	35-39	40-49	50+	
Mixed medical and surgical	991	3,105	4,950	3,562	4,309	3,639	753	21,308
Medical	401	1,363	2,749	1,523	3,094	3,020	415	12,565
Surgical	285	1,396	2,549	1,727	3,311	3,195	491	12,955
Coronary care or surgery	63	252	423	329	549	670	120	2,406
Geriatric/Gerontology	835	3,754	6,285	3,621	3,235	2,352	579	20,661
Oncology	27	188	407	382	620	716	72	2,412
Perioperative/operating theatre/recovery	335	1,195	2,148	1,643	3,108	2,938	427	11,795
Rehabilitation	40	206	519	359	479	406	75	2,083
Renal	18	90	157	102	241	228	34	869
Respiratory medicine/asthma	5	43	85	40	98	137	13	420
Critical care/intensive care	235	819	1,728	1,419	2,368	2,234	458	9,261
Casualty accident/emergency	138	547	1,109	782	1,418	1,435	277	5,704
Midwifery	596	2,240	3,783	1,907	2,675	2,209	320	13,729
Mental health/psychiatric	132	523	1,014	760	3,580	2,826	453	9,289
Community nursing	442	1,110	1,817	754	1,924	1,919	210	8,176
Developmental disability	25	175	279	142	759	374	83	1,838
Occupational health	33	81	113	67	217	291	56	859
Paediatric	112	442	823	547	1,047	716	139	3,826
Aboriginal health	2	2	8	5	12	14	3	44
Child and family health	157	366	512	307	769	465	43	2,620
School children's health	22	73	126	66	228	93	20	628
No one principal area	169	335	537	328	387	503	102	2,360
Other	390	1,133	1,983	1,133	1,932	1,723	284	8,578
Total	5,452	19,437	34,104	21,505	36,360	32,103	5,427	154,388
Per cent of total	3.5	12.6	22.1	13.9	23.6	20.8	3.5	100.0

Source: AIHW.

Table 25: Employed registered nurses: age and sex, States and Territories, 1997

Age (years)	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
Under 25	226	151	190	49	53	9	6	3	688
25–29	610	464	477	132	166	22	13	30	1,914
30–34	595	554	353	159	236	47	6	24	1,974
35–39	955	648	406	238	317	71	22	37	2,693
40–44	1,192	659	429	247	368	85	37	49	3,065
45–49	792	415	291	166	183	65	30	22	1,965
50–54	345	215	160	115	114	31	9	12	1,000
55–59	172	88	63	80	52	23	3	7	489
60–64	62	45	47	33	23	6	6	1	224
65 and over	27	10	7	8	13	3	—	—	68
Total	4,976	3,248	2,423	1,227	1,525	362	133	185	14,081
Average age	39.3	38.3	37.6	40.7	40.0	41.3	41.7	38.6	38.9
Females									
Under 25	2,307	2,465	1,803	648	686	154	91	63	8,218
25–29	5,283	5,500	3,660	1,748	1,519	359	192	229	18,489
30–34	5,838	5,613	3,877	2,065	1,731	608	273	277	20,283
35–39	9,679	7,048	4,660	2,683	2,721	838	523	311	28,463
40–44	10,368	7,479	4,135	2,771	2,679	910	576	297	29,214
45–49	7,690	6,191	3,820	2,428	2,108	715	482	220	23,653
50–54	5,761	4,457	3,060	1,847	1,427	572	351	172	17,648
55–59	3,319	2,761	1,901	1,207	815	330	176	86	10,595
60–64	1,353	1,020	768	399	330	79	44	28	4,021
65 and over	559	249	219	114	93	17	11	12	1,274
Total	52,156	42,783	27,903	15,908	14,109	4,582	2,718	1,696	161,856
Average age	41.1	40.1	40.2	41.1	40.4	41.5	42.0	39.5	40.6
Persons									
Under 25	2,533	2,616	1,993	697	739	163	97	66	8,906
25–29	5,893	5,963	4,137	1,880	1,684	381	205	258	20,402
30–34	6,433	6,167	4,231	2,224	1,967	654	279	302	22,257
35–39	10,634	7,696	5,067	2,920	3,038	909	545	348	31,156
40–44	11,560	8,138	4,563	3,018	3,047	994	613	347	32,279
45–49	8,482	6,606	4,111	2,594	2,291	780	512	242	25,618
50–54	6,106	4,672	3,220	1,962	1,541	603	360	184	18,648
55–59	3,491	2,849	1,964	1,287	867	354	179	93	11,084
60–64	1,415	1,065	815	432	354	85	50	29	4,245
65 and over	586	259	226	122	106	20	11	12	1,342
Total	57,133	46,032	30,326	17,136	15,634	4,945	2,851	1,881	175,937
Average age	40.9	40.0	40.0	41.1	40.4	41.5	42.0	39.5	40.5

Source: AIHW.

Table 26: Employed registered nurses: total hours worked per week and sex, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
1-9	77	42	29	16	18	2	—	2	186
10-19	253	57	36	28	34	3	8	3	422
20-29	314	224	111	52	90	39	10	5	845
30-34	260	332	183	66	138	47	11	3	1,040
35-39	2,037	1,386	1,010	514	757	156	37	69	5,966
40-49	1,720	997	969	398	376	92	64	66	4,682
50-59	141	65	77	28	63	4	—	17	395
60-69	46	24	8	17	11	5	—	9	120
70-79	59	94	—	79	24	13	—	2	271
80 and over	69	27	—	29	16	1	3	9	154
<i>Total</i>	<i>4,976</i>	<i>3,248</i>	<i>2,423</i>	<i>1,227</i>	<i>1,527</i>	<i>362</i>	<i>133</i>	<i>185</i>	<i>14,081</i>
Average weekly hours	37.6	38.2	37.6	40.8	38.2	38.0	37.2	42.6	38.1
Females									
1-9	1,866	1,704	893	599	631	152	55	41	5,942
10-19	6,653	6,037	2,968	1,983	2,206	562	281	83	20,772
20-29	11,443	10,070	5,553	3,306	3,321	1,414	764	210	36,080
30-34	5,077	7,469	4,055	2,263	2,074	668	426	96	22,128
35-39	12,136	9,175	7,554	3,947	3,297	891	480	344	37,825
40-49	13,005	6,888	6,515	2,637	2,112	742	573	738	33,209
50-59	672	357	337	172	159	29	52	77	1,853
60-69	272	339	29	190	103	36	30	24	1,023
70-79	550	523	—	608	97	58	35	17	1,889
80 and over	482	223	—	203	108	30	22	68	1,136
<i>Total</i>	<i>52,156</i>	<i>42,783</i>	<i>27,903</i>	<i>15,908</i>	<i>14,109</i>	<i>4,582</i>	<i>2,718</i>	<i>1,696</i>	<i>161,856</i>
Average weekly hours	31.7	30.3	31.5	32.4	30.1	29.8	32.0	38.2	31.3
Persons									
1-9	1,943	1,747	922	615	649	154	55	42	6,127
10-19	6,907	6,095	3,004	2,010	2,240	565	289	86	21,194
20-29	11,756	10,294	5,664	3,358	3,410	1,453	775	215	36,925
30-34	5,337	7,801	4,237	2,329	2,212	715	437	99	23,168
35-39	14,173	10,561	8,564	4,461	4,055	1,047	518	413	43,791
40-49	14,725	7,884	7,484	3,035	2,489	833	637	804	37,891
50-59	814	422	414	200	221	33	52	94	2,248
60-69	319	363	36	208	113	41	30	33	1,143
70-79	609	617	—	687	121	72	35	18	2,160
80 and over	550	250	—	232	124	32	24	77	1,290
Total	57,133	46,032	30,326	17,136	15,634	4,945	2,851	1,881	175,937
Average weekly hours	32.2	30.9	32.0	33.0	30.8	30.4	32.2	38.6	31.8

(continued)

Table 26 (continued): Employed registered nurses: total hours worked per week and sex, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
(per cent—males)									
1–9	1.5	1.3	1.2	1.3	1.2	0.4	—	0.8	1.3
10–19	5.1	1.8	1.5	2.3	2.2	0.8	6.0	1.7	3.0
20–29	6.3	6.9	4.6	4.3	5.9	10.7	8.1	2.5	6.0
30–34	5.2	10.2	7.5	5.4	9.0	12.9	8.0	1.7	7.4
35–39	40.9	42.7	41.7	41.9	49.7	43.0	28.0	37.3	42.4
40–49	34.6	30.7	40.0	32.4	24.7	25.3	48.0	35.6	33.3
50–59	2.8	2.0	3.2	2.3	4.1	1.1	—	9.3	2.8
60–69	0.9	0.8	0.3	1.4	0.7	1.5	—	5.1	0.9
70–79	1.2	2.9	—	6.5	1.6	3.8	—	0.8	1.9
80 and over	1.4	0.8	—	2.3	1.0	0.4	2.0	5.1	1.1
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
(per cent—females)									
1–9	3.6	4.0	3.2	3.8	4.5	3.3	2.0	2.4	3.7
10–19	12.8	14.1	10.6	12.5	15.6	12.3	10.3	4.9	12.8
20–29	21.9	23.5	19.9	20.8	23.5	30.9	28.1	12.4	22.3
30–34	9.7	17.5	14.5	14.2	14.7	14.6	15.7	5.7	13.7
35–39	23.3	21.4	27.1	24.8	23.4	19.4	17.7	20.3	23.4
40–49	24.9	16.1	23.3	16.6	15.0	16.2	21.1	43.5	20.5
50–59	1.3	0.8	1.2	1.1	1.1	0.6	1.9	4.5	1.1
60–69	0.5	0.8	0.1	1.2	0.7	0.8	1.1	1.4	0.6
70–79	1.1	1.2	—	3.8	0.7	1.3	1.3	1.0	1.2
80 and over	0.9	0.5	—	1.3	0.8	0.7	0.8	4.0	0.7
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
(per cent—persons)									
1–9	3.4	3.8	3.0	3.6	4.2	3.1	1.9	2.2	3.5
10–19	12.1	13.2	9.9	11.7	14.3	11.4	9.9	4.6	12.0
20–29	20.6	22.4	18.7	19.6	21.8	29.4	27.4	11.4	21.0
30–34	9.3	16.9	14.0	13.6	14.1	14.5	15.0	5.3	13.2
35–39	24.8	22.9	28.2	26.0	25.9	21.2	18.3	21.9	24.9
40–49	25.8	17.1	24.7	17.7	15.9	16.9	22.5	42.8	21.5
50–59	1.4	0.9	1.4	1.2	1.4	0.7	1.8	5.0	1.3
60–69	0.6	0.8	0.1	1.2	0.7	0.8	1.1	1.8	0.6
70–79	1.1	1.3	—	4.0	0.8	1.5	1.3	1.0	1.2
80 and over	1.0	0.5	—	1.4	0.8	0.6	0.9	4.1	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent working part-time hours)									
Males	18.2	20.2	14.8	13.2	18.3	24.9	22.1	6.8	17.7
Females	48.0	59.1	48.3	51.2	58.3	61.0	56.1	25.3	52.5
Persons	45.4	56.3	45.6	48.5	54.4	58.4	54.2	23.5	49.7

Source: AIHW.

Table 27: Employed registered nurses: work setting of main job, sector, States and Territories, 1997

Work setting	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Public sector									
Acute care hospital	29,688	22,119	14,286	8,932	7,384	2,050	1,460	930	86,850
Day procedure centre	290	255	—	113	99	35	14	24	830
Aged accommodation	n.a.	274	n.a.	47	43	37	11	—	412
Nursing home	3,572	2,899	1,798	536	562	193	54	34	9,648
Hospice	165	244	n.a.	105	54	19	50	13	650
Community health centres	4,968	2,808	789	753	688	482	219	344	11,051
Aboriginal health service	n.a.	22	n.a.	n.a.	n.a.	3	5	n.a.	30
Mental health service	n.a.	771	n.a.	n.a.	n.a.	67	49	n.a.	887
Development disability service	1,434	470	67	72	173	38	11	2	2,268
Defence forces	90	67	56	6	10	—	27	7	264
School	133	135	n.a.	169	8	8	17	36	507
Tertiary education institution	655	633	292	220	237	34	42	34	2,146
Corrective services	285	35	n.a.	69	49	15	6	7	465
Other	1,074	950	2,198	848	299	131	41	164	5,706
Total public sector	42,355	31,684	19,487	11,870	9,556	3,112	2,007	1,595	121,714
Private sector									
Acute care hospital	6,524	8,275	5,692	2,593	2,763	978	433	126	27,384
Day procedure centre	358	275	306	170	97	38	45	2	1,291
Aged accommodation	n.a.	174	n.a.	40	133	86	36	3	472
Nursing home	4,341	2,695	2,005	1,077	1,555	455	108	53	12,289
Hospice	7	14	n.a.	78	50	11	3	—	163
Community health centres	303	110	—	—	—	44	12	—	468
Mental health service	n.a.	25	n.a.	n.a.	n.a.	3	—	n.a.	27
Development disability service	57	26	19	28	96	10	8	—	243
Doctor's rooms/medical practice	1,672	1,084	1,200	504	658	101	124	29	5,372
Nursing in private practice	562	387	n.a.	133	154	27	28	5	1,297
Employment agency	n.a.	637	344	98	205	15	9	7	1,316
School	50	38	n.a.	31	28	1	6	5	158
Tertiary education institution	35	12	11	5	—	1	—	2	65
Mining, industry or commercial sector	298	243	508	187	205	19	3	22	1,485
Corrective services	22	12	n.a.	—	—	—	—	—	34
Other	549	343	753	324	85	42	30	32	2,159
Total private sector	14,778	14,348	10,839	5,266	6,078	1,832	844	286	54,223
All sectors									
Acute care hospital	36,212	30,394	19,978	11,525	10,147	3,028	1,894	1,056	114,234
Day procedure centre	648	530	306	283	196	74	58	26	2,121
Aged accommodation	n.a.	448	n.a.	87	176	123	47	3	884
Nursing home	7,913	5,594	3,804	1,613	2,116	648	162	87	21,937
Hospice	172	258	n.a.	183	104	30	52	13	813
Community health centres	5,271	2,918	789	753	688	525	231	344	11,519
Aboriginal health service	n.a.	22	n.a.	n.a.	n.a.	3	5	n.a.	30
Mental health service	n.a.	796	n.a.	n.a.	n.a.	70	49	n.a.	915
Development disability service	1,492	496	86	100	269	48	19	2	2,511
Doctor's rooms/medical practice	1,672	1,084	1,200	504	658	101	124	29	5,372
Nursing in private practice	562	387	n.a.	133	154	27	28	5	1,297
Employment agency	n.a.	637	344	98	205	15	9	7	1,316
Defence forces	90	67	56	6	10	—	27	7	264
School	183	174	n.a.	200	36	10	23	41	665
Tertiary education institution	689	645	303	225	237	36	42	36	2,212
Mining, industry or commercial sector	298	243	508	187	205	19	3	22	1,485
Corrective services	307	47	n.a.	69	49	15	6	7	499
Other	1,623	1,293	2,951	1,172	384	173	72	196	7,865
Total all sectors	57,133	46,032	30,325	17,135	15,634	4,945	2,851	1,882	175,937

Source: AIHW.

Table 28: Employed registered nurses: average hours worked per week by work setting of main job, sector, States and Territories, 1997

Work setting	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Public sector									
Acute care hospital	33.5	32.2	33.4	35.8	32.6	32.5	33.7	38.8	33.3
Day procedure centre	32.0	30.3	—	32.7	32.1	33.8	45.0	37.8	31.9
Aged accommodation	n.a.	31.0	n.a.	29.5	33.1	31.3	19.0	—	30.8
Nursing home	30.6	27.7	29.7	28.7	27.8	27.9	28.2	34.2	29.3
Hospice	34.9	31.1	n.a.	27.5	27.9	28.3	30.1	43.3	31.5
Community health centres	32.8	30.3	36.0	34.8	32.0	29.5	33.6	42.0	32.6
Aboriginal health service	n.a.	31.6	n.a.	n.a.	n.a.	39.0	31.0	n.a.	32.3
Mental health service	n.a.	38.9	n.a.	n.a.	n.a.	40.2	40.6	n.a.	39.1
Development disability service	34.9	38.0	29.9	32.6	39.9	36.7	46.5	5.0	35.6
Defence forces	37.4	38.1	37.3	38.5	29.4	—	32.6	45.0	37.2
School	28.0	31.4	n.a.	34.0	32.0	32.5	29.2	41.4	31.9
Tertiary education institution	32.8	33.7	34.7	32.4	39.7	36.0	34.4	36.4	34.0
Corrective services	37.0	37.0	n.a.	37.2	38.0	41.0	11.0	32.5	36.9
Other	33.4	31.9	32.4	30.7	27.8	32.9	27.2	40.0	32.3
<i>Total public sector</i>	33.2	31.9	33.1	34.8	32.4	32.0	33.5	39.5	33.0
Private sector									
Acute care hospital	30.7	29.6	31.0	30.4	29.1	28.8	31.2	32.2	30.2
Day procedure centre	28.8	27.2	29.9	26.5	26.9	24.9	27.1	40.0	28.3
Aged accommodation	n.a.	31.0	n.a.	32.6	31.5	26.7	34.1	63.0	30.7
Nursing home	30.1	27.9	29.1	28.7	27.3	25.8	30.3	30.0	28.9
Hospice	38.3	25.3	n.a.	29.6	26.0	27.5	20.0	—	28.4
Community health centres	25.9	25.6	—	—	—	29.5	31.3	—	26.3
Mental health service	n.a.	42.4	n.a.	n.a.	n.a.	29.0	—	n.a.	40.8
Development disability service	30.2	33.2	28.4	31.6	36.9	26.9	34.7	—	32.5
Doctor's rooms/medical practice	25.1	25.1	26.3	23.4	24.0	22.8	23.7	29.7	25.1
Nursing in private practice	25.8	25.8	n.a.	28.4	28.1	32.6	24.2	34.0	26.4
Employment agency	n.a.	25.1	27.1	24.3	23.9	29.5	14.3	30.0	25.6
School	34.1	35.8	n.a.	26.5	26.9	40.0	31.0	38.7	32.3
Tertiary education institution	33.8	29.5	26.7	16.0	—	10.0	—	46.0	30.6
Mining, industry or commercial	33.4	34.2	32.2	35.2	33.3	35.0	40.0	36.6	33.3
Corrective services	36.6	45.5	n.a.	—	—	—	—	—	38.8
Other	31.2	32.4	30.0	32.2	24.1	31.7	33.9	41.6	31.0
<i>Total private sector</i>	29.7	28.9	30.1	29.7	29.2	27.7	29.7	36.1	29.5
All sectors									
Acute care hospital	33.0	31.5	32.7	34.6	31.6	31.3	33.1	38.0	32.6
Day procedure centre	30.2	28.7	29.9	29.0	29.5	29.3	30.7	37.9	29.6
Aged accommodation	n.a.	31.0	n.a.	30.9	31.9	28.0	30.5	63.0	30.8
Nursing home	30.3	27.8	29.4	28.7	27.4	26.4	29.6	31.7	29.1
Hospice	35.0	30.8	n.a.	28.4	27.1	28.0	29.6	43.3	31.0
Community health centres	32.4	30.1	36.0	34.8	32.0	29.5	33.5	42.0	32.4
Aboriginal health service	n.a.	31.6	n.a.	n.a.	n.a.	39.0	31.0	n.a.	32.3
Mental health service	n.a.	39.0	n.a.	n.a.	n.a.	39.7	40.6	n.a.	39.1
Development disability service	34.7	37.8	29.6	32.4	38.8	34.6	41.4	5.0	35.3
Doctor's rooms/medical practice	25.1	25.1	26.3	23.4	24.0	22.8	23.7	29.7	25.1
Nursing in private practice	25.8	25.8	n.a.	28.4	28.1	32.6	24.2	34.0	26.4
Employment agency	n.a.	25.1	27.1	24.3	23.9	29.5	14.3	30.0	25.6
Defence forces	37.4	38.1	37.3	38.5	29.4	—	32.6	45.0	37.2
School	29.6	32.5	n.a.	32.8	27.6	33.6	29.7	41.0	32.0
Tertiary education institution	32.8	33.7	34.5	32.1	39.7	34.9	34.4	36.9	33.9
Mining, industry or commercial	33.4	34.2	32.2	35.2	33.3	35.0	40.0	36.6	33.3
Corrective services	37.0	38.9	n.a.	37.2	38.0	41.0	11.0	32.5	37.2
Other	32.7	32.0	31.8	31.1	26.9	32.6	30.1	40.2	31.9
Total all sectors	32.2	30.9	31.9	33.0	30.8	30.4	32.2	38.6	31.8

Source: AIHW.

Table 29: Employed registered nurses: type of post initial qualification skills held or used, States and Territories, 1997

Qualification	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Accident and emergency	2,014	834	465	566	242	75	84	81	4,360
Administration or Management	3,997	1,839	822	549	495	129	144	58	8,031
Cardiothoracic	997	450	236	253	113	41	47	12	2,150
Child and family health	2,164	1,524	656	732	325	297	136	81	5,916
Community health centres	1,199	1,396	333	455	368	1	149	68	3,969
Coronary care	1,407	1,333	609	476	435	84	84	24	4,451
Critical care/intensive care	3,127	3,322	806	627	637	260	198	70	9,046
Developmental disability	897	158	39	25	85	37	8	7	1,257
Education	1,803	1,706	578	407	265	126	91	33	5,010
Geriatric/gerontology/aged care	2,875	1,812	577	571	943	180	120	31	7,110
Mental health/psychiatric	3,063	1,431	869	323	832	151	131	56	6,855
Midwifery	14,221	12,026	3,876	3,703	2,238	1,661	982	480	39,186
Neonatal intensive care	1,006	597	317	280	172	61	117	31	2,581
Neurological/neurosurgery	487	214	72	102	10	14	39	7	946
Occupational health	869	506	169	164	182	53	50	18	2,009
Oncology	1,034	951	290	203	137	50	68	10	2,743
Orthopaedic	811	340	135	287	167	41	8	18	1,807
Paediatric	1,246	600	331	452	223	—	89	49	2,990
Paediatric intensive care	236	189	58	38	25	19	5	6	576
Perioperative	1,977	1,856	571	454	472	115	89	47	5,580
Renal	631	376	98	99	133	17	13	43	1,411
Other	8,553	2,684	2,805	805	2,143	129	274	83	17,476
Total	54,614	36,144	14,712	11,571	10,642	3,541	2,926	1,313	135,460

Note

For New South Wales, Victoria, Tasmania and the Australian Capital Territory, figures represent all post basic qualifications held by registered nurses. For Queensland, South Australia and the Northern Territory, figures represent post initial qualifications held by registered nurses, where the skills learned have been used for 12 months or more in the previous 5 years. For Western Australia, they represent post initial qualifications held by registered nurses where the skills learned have ever been used.

Source: AIHW.

Table 30: Enrolled nurses: professional employment status and occupation, States and Territories, 1997

Professional employment status/occupation	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Employed in nursing, only or mainly in State/Territory									
Clinician	11,729	14,271	6,380	4,067	4,394	1,012	469	332	42,654
Clinical nurse manager ^(a)	59	109	n.a.	n.a.	n.a.	—	—	n.a.	169
Administrator	255	236	25	56	11	5	10	3	601
Teacher/educator	155	163	7	26	2	—	5	3	361
Researcher	9	20	1	11	2	—	—	—	44
Other	619	811	75	414	422	53	49	3	2,446
Total employed in nursing^(b)	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274
On extended leave ^(c)	145	263	n.a.	44	125	10	4	15	605
Looking for work in nursing									
Employed elsewhere	268	263	75	50	68	13	4	16	758
Not employed	407	407	194	66	71	22	18	11	1,195
Total	675	670	269	116	139	35	22	27	1,953
Nursing labour force	13,648	16,542	6,757	4,736	5,094	1,114	559	383	48,832
Overseas	42	48	15	25	9	—	—	3	142
Not looking for work in nursing									
Employed elsewhere	1,161	418	154	133	93	13	36	64	2,072
Not employed	1,189	500	268	185	95	29	26	31	2,323
Total	2,350	918	422	318	188	41	61	95	4,394
Not in nursing labour force	2,392	967	437	344	197	41	61	98	4,537
Total enrolled nurses^(d)	16,040	17,509	7,194	5,079	5,291	1,155	620	481	53,369
Multiple registrations	437	387	157	52	78	21	16	65	1,213
Total enrolments	16,477	17,896	7,351	5,131	5,369	1,176	636	546	54,582
(per cent of employed nurses)									
Employed in nursing									
Clinician	91.4	91.4	98.3	88.9	91.0	94.6	88.0	97.1	92.2
Clinical nurse manager ^(a)	0.5	0.7	n.a.	n.a.	n.a.	—	—	n.a.	0.4
Administrator	2.0	1.5	0.4	1.2	0.2	0.5	1.8	1.0	1.3
Teacher/educator	1.2	1.0	0.1	0.6	0.0	—	0.9	0.9	0.8
Researcher	0.1	0.1	0.0	0.2	0.0	—	—	—	0.1
Other	4.8	5.2	1.2	9.1	8.7	4.9	9.2	1.0	5.3
Total employed in nursing^(b)	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent of total enrolled nurses)									
Employed in nursing ^(b)	80.0	89.2	90.2	90.1	91.3	92.6	86.0	70.9	86.7
On extended leave ^(c)	0.9	1.5	n.a.	0.9	2.4	0.8	0.6	3.0	1.1
Looking for work in nursing	4.2	3.8	3.7	2.3	2.6	3.0	3.5	5.6	3.7
Nursing labour force	85.1	94.5	93.9	93.2	96.3	96.4	90.1	79.6	91.5
Overseas	0.3	0.3	0.2	0.5	0.2	—	—	0.6	0.3
Not looking for work in nursing	14.6	5.2	5.9	6.3	3.6	3.6	9.9	19.8	8.2
Not in nursing labour force	14.9	5.5	6.1	6.8	3.7	3.6	9.9	20.4	8.5
Total enrolled nurses	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

(a) Included with clinicians for Queensland, Western Australia, South Australia and the Northern Territory.

(b) Excludes nurses on extended leave.

(c) Not included as an option on the Queensland survey form.

(d) Excludes multiple enrolments.

Source: AIHW.

Table 31: Enrolled nurses employed as clinicians and clinical nurse managers: area of clinical nursing, States and Territories, 1997

Area of clinical nursing	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Aust	% of total
Males										
Mixed medical and surgical	61	113	118	29	74	9	—	4	407	14.8
Medical	127	40	30	9	20	3	8	3	240	8.7
Surgical	87	14	24	7	19	—	—	2	152	5.5
Coronary care or surgery	14	5	(a)	(a)	(a)	—	—	(a)	19	0.7
Geriatric/Gerontology	169	360	84	36	53	14	—	7	722	26.1
Oncology	12	4	7	(a)	(a)	—	—	(a)	23	0.8
Perioperative/operating theatre/recovery	88	21	34	8	17	—	4	—	172	6.2
Rehabilitation	48	44	(a)	(a)	(a)	5	—	(a)	97	3.5
Renal	7	1	(a)	(a)	(a)	—	—	(a)	8	0.3
Respiratory medicine/asthma	12	—	(a)	(a)	(a)	—	—	(a)	12	0.4
Critical care/intensive care	5	10	3	1	—	—	—	—	20	0.7
Casualty accident/emergency	26	8	9	3	7	—	—	—	53	1.9
Midwifery	2	—	1	—	—	—	—	2	5	0.2
Mental health/psychiatric	104	196	104	48	33	18	—	4	507	18.4
Community nursing	4	9	4	2	6	2	4	—	30	1.1
Developmental disability	52	14	17	6	2	10	—	—	101	3.7
Occupational health	4	4	7	3	—	—	—	—	18	0.7
Paediatric	2	1	5	—	—	—	—	—	8	0.3
Aboriginal health	4	—	(a)	(a)	(a)	—	—	(a)	4	0.1
Child and family health	—	—	—	—	—	—	—	—	—	—
School children's health	—	—	—	—	—	—	—	—	—	—
No one principal area	6	23	22	12	—	2	—	2	67	2.4
Other	14	33	22	10	14	—	4	—	97	3.5
Total	845	900	491	175	245	64	19	23	2,762	100.0
Females										
Mixed medical and surgical	1,123	1,998	1,639	1,259	1,238	188	81	52	7,578	18.9
Medical	2,283	672	452	400	291	115	25	16	4,254	10.6
Surgical	1,061	382	291	210	224	37	71	24	2,301	5.7
Coronary care or surgery	173	89	(a)	(a)	(a)	—	—	(a)	262	0.7
Geriatric/Gerontology	2,879	7,009	1,513	813	1,217	334	91	55	13,911	34.7
Oncology	86	106	56	(a)	(a)	2	—	(a)	250	0.6
Perioperative/operating theatre/recovery	751	258	410	216	297	37	16	22	2,008	5.0
Rehabilitation	626	556	(a)	(a)	(a)	7	7	(a)	1,196	3.0
Renal	24	24	(a)	(a)	(a)	—	—	(a)	48	0.1
Respiratory medicine/asthma	36	14	(a)	(a)	(a)	4	—	(a)	54	0.1
Critical care/intensive care	27	78	45	29	5	2	—	6	191	0.5
Casualty accident/emergency	60	92	93	45	59	12	9	12	382	1.0
Midwifery	103	320	52	13	20	4	—	2	513	1.3
Mental health/psychiatric	498	558	269	132	150	55	5	7	1,674	4.2
Community nursing	176	167	75	173	162	46	51	7	857	2.1
Developmental disability	353	49	79	49	40	23	—	2	596	1.5
Occupational health	18	50	13	13	9	—	—	2	104	0.3
Paediatric	119	119	133	137	108	7	21	43	688	1.7
Aboriginal health	11	7	(a)	(a)	(a)	—	—	(a)	18	0.0
Child and family health	8	29	21	14	13	—	22	2	109	0.3
School children's health	7	18	5	10	2	—	—	—	43	0.1
No one principal area	125	252	264	111	6	24	—	23	806	2.0
Other	398	630	480	268	309	51	50	32	2,219	5.5
Total	10,943	13,480	5,890	3,893	4,149	948	450	308	40,061	100.0

(continued)

Table 31 (continued): Enrolled nurses employed as clinicians and clinical nurse managers: area of clinical nursing, States and Territories, 1997

Area of clinical nursing	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia	% of total
	Persons									
Mixed medical and surgical	1,183	2,111	1,757	1,288	1,311	197	81	56	7,985	18.6
Medical	2,409	712	482	409	311	118	33	19	4,494	10.5
Surgical	1,148	396	315	217	243	37	71	26	2,452	5.7
Coronary care or surgery	187	95	(a)	(a)	(a)	—	—	(a)	282	0.7
Geriatric/Gerontology	3,047	7,369	1,597	849	1,269	348	91	62	14,632	34.2
Oncology	98	110	63	(a)	(a)	2	—	(a)	273	0.6
Perioperative/operating theatre/recovery	839	280	444	224	314	37	20	22	2,180	5.1
Rehabilitation	674	600	(a)	(a)	(a)	12	7	(a)	1,293	3.0
Renal	31	26	(a)	(a)	(a)	—	—	(a)	57	0.1
Respiratory medicine/asthma	48	14	(a)	(a)	(a)	4	—	(a)	66	0.2
Critical care/intensive care	32	87	49	30	5	2	—	6	211	0.5
Casualty accident/emergency	86	100	103	48	65	12	9	12	435	1.0
Midwifery	105	320	53	13	20	4	—	3	517	1.2
Mental health/psychiatric	602	754	372	180	183	73	5	11	2,181	5.1
Community nursing	179	176	78	175	168	48	55	7	887	2.1
Developmental disability	405	62	96	56	43	33	—	2	697	1.6
Occupational health	21	54	20	16	9	—	—	2	122	0.3
Paediatric	121	121	138	137	108	7	21	43	696	1.6
Aboriginal health	15	7	(a)	(a)	(a)	—	—	(a)	22	0.1
Child and family health	8	29	21	14	13	—	22	2	109	0.3
School children's health	7	18	5	10	2	—	—	—	43	0.1
No one principal area	131	275	285	123	6	26	—	26	872	2.0
Other	412	663	501	278	323	51	54	32	2,316	5.4
Total	11,788	14,380	6,380	4,068	4,394	1,012	469	331	42,823	100.0

(a) Some States used different classifications for area of clinical nursing and therefore some areas were not able to be separately identified.

Source: AIHW.

Table 32: Employed enrolled nurses: age and sex, States and Territories, 1997

Age (years)	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
Under 25	96	35	14	11	7	—	—	2	163
25–29	172	113	63	15	34	4	4	8	412
30–34	179	173	94	23	58	9	—	6	542
35–39	177	214	93	37	69	8	4	2	603
40–44	148	163	84	33	44	19	4	3	498
45–49	60	126	66	36	29	13	4	5	339
50–54	52	61	47	17	11	8	—	—	197
55–59	19	41	25	20	8	4	4	—	120
60–64	12	15	6	5	2	—	—	—	40
65 and over	—	2	2	5	—	—	—	—	9
<i>Total</i>	<i>914</i>	<i>942</i>	<i>493</i>	<i>202</i>	<i>262</i>	<i>65</i>	<i>19</i>	<i>25</i>	<i>2,922</i>
Average age	35.6	38.9	39.6	42.5	38.6	42.3	42.6	34.7	38.3
Females									
Under 25	910	441	105	215	92	7	8	5	1,783
25–29	1,453	1,454	615	296	399	49	26	29	4,322
30–34	1,871	2,192	869	539	701	126	87	56	6,441
35–39	2,788	2,982	1,265	1,009	1,176	247	112	89	9,668
40–44	2,318	2,863	1,268	928	1,019	264	81	63	8,803
45–49	1,270	2,259	873	657	649	161	98	48	6,014
50–54	725	1,513	531	462	347	98	51	19	3,747
55–59	422	690	314	220	121	44	38	5	1,854
60–64	119	214	121	42	54	8	13	2	573
65 and over	38	59	33	6	11	—	—	—	147
<i>Total</i>	<i>11,913</i>	<i>14,667</i>	<i>5,995</i>	<i>4,374</i>	<i>4,569</i>	<i>1,004</i>	<i>514</i>	<i>316</i>	<i>43,352</i>
Average age	37.7	40.2	40.6	40.3	39.5	41.2	41.9	38.8	39.6
Persons									
Under 25	1,005	477	119	226	99	7	8	6	1,946
25–29	1,625	1,567	678	311	433	52	30	37	4,734
30–34	2,049	2,365	962	562	759	135	87	62	6,983
35–39	2,965	3,196	1,358	1,046	1,245	255	116	90	10,271
40–44	2,466	3,025	1,352	961	1,063	283	84	67	9,301
45–49	1,330	2,385	939	692	678	175	101	53	6,353
50–54	777	1,574	579	479	359	106	51	19	3,943
55–59	441	731	339	240	129	48	42	5	1,974
60–64	131	229	127	48	56	8	13	2	613
65 and over	38	60	35	11	11	—	—	—	156
Total	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274
Average age	37.5	40.2	40.5	40.4	39.4	41.3	41.9	38.5	39.6

Source: AIHW.

Table 33: Enrolled nurses employed as clinicians and clinical nurse managers: area of clinical nursing and total hours worked per week, Australia, 1997

Area of clinical nursing	Hours worked per week							Total
	1-9	10-19	20-29	30-34	35-39	40-49	50+	
Mixed medical and surgical	426	1,285	2,098	1,253	1,330	1,375	219	7,985
Medical	210	536	995	624	887	1,092	150	4,494
Surgical	47	296	567	352	518	574	99	2,452
Coronary care or surgery	7	37	62	30	68	66	11	282
Geriatric/Gerontology	689	2,482	4,511	2,896	2,275	1,451	329	14,632
Oncology	2	19	62	47	63	71	8	273
Perioperative/operating theatre/recovery	68	243	452	229	492	619	76	2,180
Rehabilitation	43	106	387	178	258	266	54	1,293
Renal	—	5	14	7	15	14	2	57
Respiratory medicine/asthma	2	6	9	8	17	23	2	66
Critical care/intensive care	8	20	41	28	57	42	14	211
Casualty accident/emergency	16	41	98	54	90	117	19	435
Midwifery	27	101	140	66	77	99	9	517
Mental health/psychiatric	37	165	290	205	811	573	99	2,181
Community nursing	56	119	267	115	162	140	28	887
Developmental disability	17	94	98	78	206	172	31	697
Occupational health	2	16	14	10	33	38	9	122
Paediatric	28	92	165	88	165	128	30	696
Aboriginal health	—	4	4	2	11	2	—	22
Child and family health	4	27	25	21	11	21	—	109
School children's health	—	5	19	5	7	5	2	43
No one principal area	76	113	203	129	164	162	25	872
Other	103	357	514	328	536	408	70	2,316
Total	1,869	6,169	11,036	6,754	8,252	7,457	1,285	42,823
Percent of total for hours worked per week groups	4.3	14.4	25.8	15.8	19.3	17.4	3.0	100.0

Source: AIHW.

Table 34: Employed enrolled nurses: total hours worked per week and sex, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
1-9	26	37	10	4	4	5	—	2	88
10-19	75	44	26	6	13	2	—	—	166
20-29	99	90	37	24	35	10	—	—	295
30-34	75	147	61	36	39	10	4	—	372
35-39	286	320	191	53	88	23	11	7	978
40-49	278	246	156	55	74	15	4	13	841
50-59	34	23	11	4	7	—	—	1	80
60-69	3	8	1	6	2	—	—	2	22
70-79	12	16	—	11	—	—	—	—	39
80 and over	26	11	—	3	—	—	—	—	40
<i>Total</i>	<i>914</i>	<i>942</i>	<i>493</i>	<i>202</i>	<i>262</i>	<i>65</i>	<i>19</i>	<i>25</i>	<i>2,922</i>
Average weekly hours	36.3	35.5	35.3	37.8	35.2	31.8	36.4	38.2	35.8
Females									
1-9	446	767	213	187	244	35	40	12	1,944
10-19	1,442	2,532	752	612	838	160	44	31	6,411
20-29	2,785	4,367	1,414	1,107	1,383	334	120	70	11,580
30-34	1,389	2,550	1,007	760	887	190	93	27	6,903
35-39	2,305	2,381	1,458	794	682	133	75	68	7,896
40-49	3,032	1,677	1,122	699	413	126	111	79	7,259
50-59	152	158	25	50	30	7	13	7	442
60-69	79	77	4	53	32	11	9	9	274
70-79	136	111	—	72	19	8	4	3	354
80 and over	147	47	—	40	41	—	4	10	289
<i>Total</i>	<i>11,913</i>	<i>14,667</i>	<i>5,995</i>	<i>4,374</i>	<i>4,569</i>	<i>1,004</i>	<i>514</i>	<i>316</i>	<i>43,352</i>
Average weekly hours	31.6	27.9	29.9	29.9	27.7	27.9	30.8	34.3	29.5
Persons									
1-9	472	805	223	191	248	40	40	14	2,033
10-19	1,517	2,576	778	618	851	161	44	31	6,576
20-29	2,884	4,457	1,451	1,131	1,418	344	120	70	11,875
30-34	1,464	2,697	1,068	796	926	200	97	27	7,275
35-39	2,591	2,700	1,649	847	769	156	87	76	8,875
40-49	3,310	1,923	1,277	755	488	141	115	91	8,100
50-59	186	181	37	54	37	7	13	9	522
60-69	82	85	6	58	34	12	9	10	296
70-79	148	127	—	83	19	8	4	3	393
80 and over	173	58	—	43	41	—	4	10	329
Total	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274
Average weekly hours	32.0	28.4	30.3	30.3	28.1	28.1	31.4	34.6	29.9

(continued)

Table 34 (continued): Employed enrolled nurses: total hours worked per week and sex, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
(per cent—males)									
1–9	2.8	4.0	2.1	2.1	1.7	7.7	—	7.1	3.0
10–19	8.2	4.7	5.2	2.8	5.0	2.7	—	—	5.7
20–29	10.9	9.5	7.5	11.7	13.3	15.5	—	—	10.1
30–34	8.2	15.6	12.3	18.0	15.0	15.3	20.4	—	12.7
35–39	31.3	33.9	38.7	26.3	33.3	35.9	59.1	28.6	33.5
40–49	30.4	26.1	31.7	27.4	28.3	23.0	19.7	50.0	28.8
50–59	3.7	2.4	2.3	2.1	2.5	—	—	7.1	2.7
60–69	0.3	0.9	0.2	2.7	0.8	—	—	7.1	0.7
70–79	1.3	1.7	—	5.5	—	—	0.7	—	1.4
80 and over	2.8	1.1	—	1.4	—	—	—	—	1.3
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—females)									
1–9	3.7	5.2	3.6	4.3	5.3	3.5	7.8	3.8	4.5
10–19	12.1	17.3	12.5	14.0	18.3	15.9	8.6	9.7	14.8
20–29	23.4	29.8	23.6	25.3	30.3	33.3	23.3	22.2	26.7
30–34	11.7	17.4	16.8	17.4	19.4	18.9	18.1	8.6	15.9
35–39	19.3	16.2	24.3	18.1	14.9	13.2	14.7	21.6	18.2
40–49	25.5	11.4	18.7	16.0	9.0	12.6	21.6	24.9	16.7
50–59	1.3	1.1	0.4	1.1	0.7	0.7	2.6	2.2	1.0
60–69	0.7	0.5	0.1	1.2	0.7	1.2	1.7	2.7	0.6
70–79	1.1	0.8	—	1.6	0.4	0.8	0.8	1.1	0.8
80 and over	1.2	0.3	—	0.9	0.9	—	0.9	3.2	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent—persons)									
1–9	3.7	5.2	3.4	4.2	5.1	3.7	7.5	4.0	4.4
10–19	11.8	16.5	12.0	13.5	17.6	15.1	8.3	9.0	14.2
20–29	22.5	28.6	22.4	24.7	29.3	32.2	22.4	20.5	25.7
30–34	11.4	17.3	16.5	17.4	19.2	18.7	18.2	8.0	15.7
35–39	20.2	17.3	25.4	18.5	15.9	14.6	16.3	22.1	19.2
40–49	25.8	12.3	19.7	16.5	10.1	13.2	21.5	26.7	17.5
50–59	1.4	1.2	0.6	1.2	0.8	0.6	2.5	2.5	1.1
60–69	0.6	0.5	0.1	1.3	0.7	1.1	1.7	3.0	0.6
70–79	1.2	0.8	—	1.8	0.4	0.8	0.8	1.0	0.8
80 and over	1.3	0.4	—	0.9	0.9	—	0.8	3.0	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
(per cent working part-time hours)									
Males	30.1	33.8	27.1	34.6	35.0	41.1	20.4	7.1	31.5
Females	50.9	69.7	56.5	60.9	73.4	71.5	57.8	44.3	61.9
All nurses	49.4	67.5	54.3	59.8	71.3	69.7	56.4	41.6	60.0

Source: AIHW.

Table 35: Employed enrolled nurses: work setting of main job, sector, States and Territories, 1997

Work setting	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Public sector									
Acute care hospital	6,303	4,703	2,884	2,347	2,332	307	187	165	19,228
Day procedure centre	78	81	—	31	27	13	—	5	235
Aged accommodation	n.a.	280	n.a.	40	97	18	26	n.a.	460
Nursing home	1,937	4,114	956	402	430	101	31	27	7,997
Hospice	76	89	n.a.	2	9	3	17	—	197
Community health centres	376	256	36	81	142	63	40	9	1,002
Aboriginal health service	n.a.	8	n.a.	n.a.	n.a.	—	—	n.a.	8
Mental health service	n.a.	224	n.a.	n.a.	n.a.	28	13	n.a.	265
Development disability service	529	72	71	27	17	21	—	—	737
Defence forces	53	60	37	8	10	—	8	14	189
School	12	43	n.a.	23	4	3	—	2	86
Tertiary education institution	9	41	13	16	4	—	4	2	89
Corrective services	15	7	n.a.	2	—	—	—	—	23
Other	317	436	392	278	106	26	13	19	1,587
Total public sector	9,705	10,414	4,388	3,255	3,177	582	339	243	32,103
Private sector									
Acute care hospital	1,222	1,094	862	288	505	153	78	17	4,218
Day procedure centre	80	80	84	34	19	10	8	5	320
Aged accommodation	n.a.	106	n.a.	41	256	24	13	2	441
Nursing home	1,340	2,523	685	542	520	209	72	43	5,933
Hospice	—	9	n.a.	19	15	3	—	—	47
Community health centres	28	11	—	—	—	4	—	—	42
Mental health service	n.a.	3	n.a.	n.a.	n.a.	2	—	n.a.	4
Development disability service	22	12	9	21	6	7	—	—	77
Doctors' rooms/medical practice	214	615	233	131	167	55	5	24	1,443
Nursing in private practice	68	129	n.a.	47	18	8	—	2	273
Employment agency	n.a.	265	87	43	108	10	9	4	526
School	13	12	n.a.	5	4	—	—	—	34
Tertiary education institution	1	3	1	—	—	—	—	—	5
Mining, industry or commercial sector	6	45	69	41	21	—	—	—	182
Corrective services	—	1	n.a.	—	—	—	—	—	1
Other	128	289	69	109	14	3	9	2	623
Total private sector	3,122	5,195	2,099	1,321	1,654	488	194	99	14,171
All sectors									
Acute care hospital	7,525	5,797	3,746	2,634	2,837	460	265	182	23,446
Day procedure centre	158	161	84	65	46	23	8	10	555
Aged accommodation	n.a.	385	n.a.	80	352	42	39	2	901
Nursing home	3,277	6,637	1,641	944	950	310	102	70	13,930
Hospice	76	99	n.a.	21	24	6	17	—	244
Community health centres	403	267	36	81	142	67	40	9	1,045
Aboriginal health service	n.a.	8	n.a.	n.a.	n.a.	—	—	n.a.	8
Mental health service	n.a.	227	n.a.	n.a.	n.a.	29	13	n.a.	269
Development disability service	551	84	81	48	23	27	—	—	814
Doctors' rooms/medical practice	214	615	233	131	167	55	5	24	1,443
Nursing in private practice	68	129	n.a.	47	18	8	—	2	273
Employment agency	n.a.	265	87	43	108	10	9	4	526
Defence forces	53	60	37	8	10	—	8	14	189
School	25	55	n.a.	28	8	3	—	2	121
Tertiary education institution	10	44	14	16	4	—	4	2	94
Mining, industry or commercial sector	6	45	69	41	21	—	—	—	182
Corrective services	15	8	n.a.	2	—	—	—	—	24
Other	445	725	460	387	120	29	22	21	2,210
Total all sectors	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274

Source: AIHW.

Table 36: Employed enrolled nurses: average hours worked per week, work setting of main job, sector, States and Territories, 1997

Work setting	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Public sector									
Acute care hospital	33.5	29.9	31.5	32.0	29.8	32.6	33.9	38.0	31.7
Day procedure centre	30.0	27.5	—	39.4	28.6	30.0	—	39.0	30.2
Aged accommodation	n.a.	27.3	n.a.	35.1	27.1	22.9	25.4	—	27.8
Nursing home	30.9	26.7	29.8	27.7	27.2	25.3	29.7	36.3	28.2
Hospice	31.3	28.1	n.a.	30.0	26.8	52.0	28.3	—	29.8
Community health centres	30.8	29.9	31.5	29.0	28.6	27.2	32.4	27.0	30.0
Aboriginal health service	n.a.	36.0	n.a.	n.a.	n.a.	—	—	n.a.	36.0
Mental health service	n.a.	36.1	n.a.	n.a.	n.a.	33.9	42.8	n.a.	36.1
Development disability service	34.0	37.7	30.6	29.6	28.6	39.8	—	—	33.9
Defence forces	42.2	32.6	38.7	33.6	40.0	—	38.0	43.3	37.7
School	36.4	24.8	n.a.	24.5	23.0	33.5	—	15.0	26.3
Tertiary education institution	24.8	26.3	26.5	20.0	20.0	—	18.0	—	24.8
Corrective services	34.7	37.8	n.a.	8.0	—	—	—	—	34.0
Other	31.4	32.2	30.7	28.7	24.5	31.0	24.0	34.9	30.7
<i>Total public sector</i>	<i>32.8</i>	<i>28.8</i>	<i>31.1</i>	<i>31.1</i>	<i>29.1</i>	<i>30.7</i>	<i>32.5</i>	<i>37.3</i>	<i>30.7</i>
Private sector									
Acute care hospital	30.3	28.3	29.1	29.3	26.8	25.4	34.5	35.6	29.0
Day procedure centres	30.6	27.2	28.9	26.7	23.1	22.7	21.0	46.3	28.4
Aged accommodation	n.a.	26.6	n.a.	34.1	28.0	25.6	27.7	20.0	28.0
Nursing home	28.9	26.4	28.5	27.4	27.3	25.9	31.3	26.8	27.4
Hospice	—	38.6	n.a.	23.1	28.1	33.5	—	—	29.0
Community health centres	24.1	32.4	—	—	—	4.5	—	—	24.8
Mental health service	n.a.	48.5	n.a.	n.a.	n.a.	24.0	—	n.a.	40.3
Development disability service	32.4	28.8	34.3	30.6	20.0	34.5	—	—	31.1
Doctors' rooms/medical practice	29.5	28.1	27.4	26.5	29.4	24.2	30.0	30.2	28.0
Nursing in private practice	29.6	29.7	n.a.	29.2	23.6	19.8	—	20.0	29.0
Employment agency	n.a.	24.6	20.3	25.5	17.3	18.2	4.0	27.0	22.6
School	31.7	29.6	n.a.	25.0	35.5	—	—	—	30.4
Tertiary education institution	16.0	40.0	8.0	—	—	—	—	—	21.3
Mining, industry or commercial	34.5	33.6	30.7	38.5	27.5	—	—	—	32.9
Corrective services	—	40.0	n.a.	—	—	—	—	—	40.0
Other	29.4	32.8	30.4	35.1	25.1	25.5	33.5	22.0	32.0
<i>Total private sector</i>	<i>29.6</i>	<i>27.5</i>	<i>29.0</i>	<i>28.9</i>	<i>26.8</i>	<i>25.1</i>	<i>30.0</i>	<i>30.5</i>	<i>28.3</i>
All sectors									
Acute care hospital	32.9	29.6	30.9	31.7	29.3	30.1	34.1	37.8	31.2
Day procedure centre	30.3	27.3	28.9	32.7	26.2	26.9	21.0	43.4	29.1
Aged accommodation	n.a.	27.1	n.a.	34.6	27.7	24.3	26.3	20.0	27.9
Nursing home	30.1	26.6	29.3	27.5	27.2	25.7	30.8	30.5	27.9
Hospice	31.3	29.1	n.a.	23.6	27.6	42.8	28.3	—	29.6
Community health centres	30.3	30.0	31.5	29.0	28.6	26.0	32.4	27.0	29.8
Aboriginal health service	n.a.	36.0	n.a.	n.a.	n.a.	—	—	n.a.	36.0
Mental health service	n.a.	36.3	n.a.	n.a.	n.a.	33.3	42.8	n.a.	36.1
Development disability service	34.0	36.5	31.1	30.0	26.0	38.6	—	0.0	33.7
Doctors' rooms/medical practice	29.5	28.1	27.4	26.5	29.4	24.2	30.0	30.2	28.0
Nursing in private practice	29.6	29.7	n.a.	29.2	23.6	19.8	—	20.0	29.0
Employment agency	n.a.	24.6	20.3	25.5	17.3	18.2	4.0	27.0	22.6
Defence forces	42.2	32.6	38.7	33.6	40.0	—	38.0	43.3	37.7
School	33.8	25.9	n.a.	24.6	29.3	33.5	—	15.0	27.5
Tertiary education institution	23.6	26.7	24.8	20.0	20.0	—	18.0	—	24.7
Mining, industry or commercial	34.5	33.6	30.7	38.5	27.5	—	—	—	32.9
Corrective services	34.7	38.2	n.a.	8.0	—	—	—	—	34.4
Other	30.8	32.5	30.7	30.6	24.6	30.4	28.8	33.4	31.1
Total all sectors	32.0	28.4	30.3	30.3	28.1	28.1	31.4	34.6	29.9

Source: AIHW.

Table 37: Employed registered nurses: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
Sex^(a)					(per cent)			
Males	12,924	13,123	13,642	14,081	7.6	7.6	7.9	8.0
Females	158,020	158,651	158,043	161,856	92.4	92.4	92.1	92.0
Geographic location								
Capital city	110,131	111,488	114,236	116,052	63.9	64.9	66.5	66.0
Other metropolitan centre	13,966	12,810	11,503	11,930	8.1	7.5	6.7	6.8
Large rural centre	16,830	15,873	14,417	14,912	9.8	9.2	8.4	8.5
Small rural centre	11,719	12,001	11,534	12,220	6.8	7.0	6.7	6.9
Other rural area	15,738	15,422	15,277	16,030	9.1	9.0	8.9	9.1
Remote centre	1,648	1,642	1,887	1,936	1.0	1.0	1.1	1.1
Other remote area	2,403	2,538	2,831	2,857	1.4	1.5	1.6	1.6
Age (years)^(a)								
Average	39.6	39.6	40.1	40.5	..	..	..
<30	29,610	29,894	31,284	29,308	17.3	17.4	18.2	16.6
30–39	60,182	58,299	54,636	53,413	35.2	33.9	31.8	30.3
40–49	51,667	53,801	53,858	57,897	30.2	31.3	31.4	33.0
50–59	25,051	25,500	26,849	29,732	14.7	14.8	15.6	16.9
60+	4,434	4,281	5,058	5,587	2.6	2.5	2.9	3.2
Hours worked per week								
Average	32.5	32.7	34.2	31.8	..	..	..
Part-time (<35 hours)	79,754	80,318	80,667	87,396	46.3	46.8	47.0	49.7
Full-time (35 hours+)	92,680	91,457	91,018	88,522	53.7	53.2	53.0	50.3
Field of nursing								
Clinician	155,752	151,485	154,210	154,388	90.3	88.2	89.8	87.8
Administrator	8,359	9,735	8,915	11,339	4.8	5.7	5.2	6.5
Teacher/educator	4,309	4,298	3,553	4,797	2.5	2.5	2.1	2.7
Researcher	613	849	700	1,129	0.4	0.5	0.4	0.6
Other	3,402	5,408	4,306	4,283	2.0	3.1	2.5	2.4
Area of clinical nursing(clinicians)^(b)								
Medical/surgical	51,731	50,733	49,526	46,828	33.2	33.5	32.1	30.3
Operating theatre	10,538	10,652	11,222	11,795	6.8	7.0	7.3	7.6
Midwifery/obstet/gynae.	14,095	14,839	14,067	13,675	9.0	9.8	9.1	8.9
Gerontology/geriatric	22,663	22,129	22,111	20,661	14.6	14.6	14.3	13.4
Other	56,724	53,132	57,284	61,429	36.4	35.1	37.1	39.8
Work setting of main job								
Public sector								
Acute/psychiatric hospital	85,458	85,009	84,852	86,850	50.0	49.5	49.4	49.4
Nursing home	9,813	8,008	8,344	9,648	5.7	4.7	4.9	5.5
Community health centres	8,760	9,325	9,557	11,051	5.1	5.4	5.6	6.3
Other	17,429	16,651	16,745	14,165	10.2	9.7	9.8	8.0
<i>Total</i>	<i>121,461</i>	<i>118,993</i>	<i>119,498</i>	<i>121,714</i>	<i>71.1</i>	<i>69.3</i>	<i>69.6</i>	<i>69.2</i>
Private sector								
Acute/psychiatric hospital	23,313	24,398	24,936	27,384	13.6	14.2	14.5	15.6
Nursing home	12,608	12,985	11,752	12,289	7.4	7.6	6.8	7.0
Private medical rooms	4,995	5,236	5,273	5,372	2.9	3.0	3.1	3.0
Other	10,057	10,162	10,226	9,178	5.9	5.9	6.0	5.2
<i>Total</i>	<i>50,973</i>	<i>52,781</i>	<i>52,187</i>	<i>54,223</i>	<i>29.8</i>	<i>30.7</i>	<i>30.4</i>	<i>30.8</i>
Classification of main job^(b)								
Level 1 registered nurse	108,747	105,025	106,739	n.a.	63.1	61.1	62.2	..
Other	63,687	66,749	64,945	n.a.	36.9	38.9	37.8	..
No. per 100,000 population	966.8	951.6	926.4	949.8	..	..	..	..
Total	172,434	171,774	171,684	175,937	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 38: Employed enrolled nurses: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
	(per cent)							
Sex ^(a)								
Males	3,242	2,973	2,852	2,922	6.2	6.1	6.3	6.3
Females	49,092	45,919	43,636	43,352	93.8	93.9	93.7	93.7
Geographic location								
Capital city	26,317	24,543	23,548	23,311	50.0	50.2	50.7	50.4
Other metropolitan centre	4,495	3,869	3,328	3,455	8.5	7.9	7.2	7.5
Large rural centre	5,473	4,711	4,260	4,265	10.4	9.6	9.2	9.2
Small rural centre	5,118	5,148	4,748	4,784	9.7	10.5	10.2	10.3
Other rural area	9,456	8,768	8,702	8,600	18.0	17.9	18.8	18.6
Remote centre	658	721	776	752	1.2	1.5	1.7	1.6
Other remote area	1,159	1,132	1,125	1,107	2.2	2.3	2.4	2.4
Age (years) ^(a)								
Average	37.3	37.9	38.7	39.6	..	..	..	..
<30	10,792	9,213	7,946	6,680	20.6	18.8	17.1	14.4
30–39	21,828	20,042	18,229	17,254	41.7	41.0	39.2	37.3
40–49	14,214	14,203	14,408	15,654	27.2	29.0	31.0	33.8
50–59	4,898	4,867	5,203	5,917	9.4	10.0	11.2	12.8
60+	601	567	701	769	1.1	1.2	1.5	1.7
Hours worked per week								
Average	30.9	31.1	33.0	29.9	..	..	..	..
Part-time (<35 hours)	29,576	27,333	26,480	27,760	56.1	55.9	57.0	60.0
Full-time (35 hours+)	23,100	21,559	20,008	18,514	43.9	44.1	43.0	40.0
Field of nursing								
Clinician	48,997	44,207	43,248	42,823	93.0	90.4	93.0	92.5
Administrator	175	291	244	601	0.3	0.6	0.5	1.3
Teacher/educator	408	419	243	361	0.8	0.9	0.5	0.8
Researcher	14	35	19	44	0.0	0.1	0.0	0.1
Other	3,083	3,939	2,734	2,445	5.9	8.1	5.9	5.3
Area of clinical nursing (clinicians) ^(b)								
Medical/surgical	16,259	15,693	14,528	14,931	33.2	35.5	33.6	34.9
Operating theatre	2,299	2,284	2,229	2,180	4.7	5.2	5.2	5.0
Psychiatric/mental health	1,944	1,820	1,840	2,181	4.0	4.1	4.3	5.1
Gerontology/geriatric	18,671	16,533	16,160	14,632	38.1	37.4	37.4	34.2
Other	9,824	7,877	8,490	8,899	20.0	17.8	19.6	20.8
Work setting of main job								
Public sector								
Acute/psychiatric hospital	18,780	18,924	18,479	19,228	35.7	38.7	39.8	41.5
Nursing home	10,514	7,750	7,529	7,997	20.0	15.9	16.2	17.3
Community health centres	835	881	868	1,002	1.6	1.8	1.9	2.2
Other	6,384	5,270	4,868	3,876	12.1	10.8	10.5	8.4
<i>Total</i>	<i>36,512</i>	<i>32,825</i>	<i>31,744</i>	<i>32,103</i>	<i>69.3</i>	<i>67.1</i>	<i>68.3</i>	<i>69.4</i>
Private sector								
Acute/psychiatric hospital	4,223	4,098	3,793	4,218	8.0	8.4	8.2	9.1
Nursing home	7,340	7,226	6,329	5,933	13.9	14.8	13.6	12.8
Private medical rooms	1,347	1,429	1,447	1,443	2.6	2.9	3.1	3.1
Other	3,255	3,314	3,175	2,577	6.2	6.8	6.8	5.6
<i>Total</i>	<i>16,164</i>	<i>16,067</i>	<i>14,744</i>	<i>14,171</i>	<i>30.7</i>	<i>32.9</i>	<i>31.7</i>	<i>30.6</i>
No. per 100,000 population	295.0	270.5	253.9	249.8	..	..	..	..
Total	52,676	48,892	46,488	46,274	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 39: Employed registered and enrolled nurses: selected characteristics, geographic location of main job, Australia, 1997

Characteristics	Geographic location of main job							Total
	Capital city	Other metropolitan centre	Large rural centre	Small rural centre	Other rural area	Remote centre	Other remote area	
Type of nurse								
Registered nurses	116,052	11,930	14,912	12,220	16,030	1,936	2,857	175,937
Enrolled nurses	23,311	3,455	4,265	4,784	8,600	752	1,107	46,274
Sex								
Males	11,120	1,351	1,768	1,185	1,190	133	256	17,003
Females	128,243	14,033	17,409	15,819	23,441	2,554	3,708	205,208
Age (years)								
Average	40.1	39.9	40.1	40.9	42.1	38.8	40.0	40.3
Under 30	24,933	2,411	2,975	2,079	2,273	524	686	35,880
30–39	43,648	5,287	6,396	5,714	7,801	983	1,371	71,200
40–49	44,269	5,236	6,551	6,110	9,122	786	1,155	73,229
50–59	22,543	2,115	2,833	2,748	4,596	332	609	35,777
60 and over	3,970	336	422	354	838	62	143	6,125
Hours worked per week								
Average	31.9	31.2	31.0	30.3	29.3	34.1	33.2	31.4
Part-time (< 35 hours)	68,858	7,744	10,028	9,770	15,290	1,083	1,678	114,451
Full-time (35 hours +)	70,505	7,641	9,148	7,235	9,340	1,605	2,286	107,760
Classification of main job (registered nurses)								
Nurses employed under a nursing award								
Less than \$28,729	1,672	102	220	201	236	37	45	2,514
\$28,730–\$41,992	80,888	8,137	10,758	8,601	10,957	1,502	1,987	122,830
\$41,993–\$50,471	19,056	1,853	2,136	1,806	2,774	256	509	28,391
\$50,472–\$58,710	6,899	930	855	759	923	29	65	10,459
\$58,711–\$70,038	2,304	176	190	221	536	44	166	3,638
\$70,039 or more	269	39	35	30	20	—	2	394
Other nurses								
Lecturer—higher education sector	1,037	78	207	96	27	10	7	1,462
Other	3,927	615	510	507	557	56	76	6,248
Total	116,052	11,930	14,912	12,220	16,030	1,936	2,857	175,937
Work setting of main job								
Registered nurses								
Acute/psychiatric hospital	77,368	7,472	10,247	7,539	9,239	1,153	1,537	114,555
Nursing home	14,289	1,541	1,614	1,628	2,476	158	189	21,895
Community health centre	5,940	845	835	1,052	1,912	167	555	11,305
Private medical rooms	3,295	363	444	504	612	67	59	5,345
Other	15,160	1,708	1,772	1,498	1,792	390	517	22,837
Enrolled nurses								
Acute/psychiatric hospital	10,640	1,508	2,337	2,454	4,961	507	838	23,244
Nursing home	7,080	1,272	1,342	1,642	2,685	96	106	14,222
Community health centre	479	78	40	139	193	10	41	980
Private medical rooms	997	74	89	113	165	22	13	1,472
Other	4,115	523	457	436	597	117	110	6,356
Employed nurses per 100,000 population								
Registered nurses	984	853	1,348	1,013	652	875	847	950
Enrolled nurses	198	247	386	397	350	340	328	250
All nurses	1,182	1,100	1,734	1,410	1,001	1,214	1,175	1,200
Total all nurses	139,363	15,385	19,177	17,004	24,630	2,687	3,964	222,211

(continued)

Table 39 (continued): Employed registered and enrolled nurses: characteristics and geographic location of main job, Australia, 1997

Characteristics	Geographic location of main job							Total
	Capital city	Other metropolitan centre	Large rural centre	Small rural centre	Other rural area	Remote centre	Other remote area	
	(per cent)							
Type of nurse								
Registered nurses	83.3	77.5	77.8	71.9	65.1	72.0	72.1	79.2
Enrolled nurses	16.7	22.5	22.2	28.1	34.9	28.0	27.9	20.8
Sex								
Males	8.0	8.8	9.2	7.0	4.8	4.9	6.5	7.7
Females	92.0	91.2	90.8	93.0	95.2	95.1	93.5	92.3
Age (years)								
Under 30	17.9	15.7	15.5	12.2	9.2	19.5	17.3	16.1
30–39	31.3	34.4	33.4	33.6	31.7	36.6	34.6	32.0
40–49	31.8	34.0	34.2	35.9	37.0	29.3	29.1	33.0
50–59	16.2	13.7	14.8	16.2	18.7	12.4	15.4	16.1
60 and over	2.8	2.2	2.2	2.1	3.4	2.3	3.6	2.8
Hours worked per week								
Part-time (under 35 hours)	49.4	50.3	52.3	57.5	62.1	40.3	42.3	51.5
Full-time (35 hours or more)	50.6	49.7	47.7	42.5	37.9	59.7	57.7	48.5
Classification of main job (registered nurses)								
Nurses employed under a nursing award								
Less than \$28,729	1.4	0.9	1.5	1.6	1.5	1.9	1.6	1.4
\$28,730–\$41,992	69.7	68.2	72.1	70.4	68.4	77.6	69.5	69.8
\$41,993–\$50,471	16.4	15.5	14.3	14.8	17.3	13.2	17.8	16.1
\$50,472–\$58,710	5.9	7.8	5.7	6.2	5.8	1.5	2.3	5.9
\$58,711–\$70,038	2.0	1.5	1.3	1.8	3.3	2.3	5.8	2.1
\$70,039 or more	0.2	0.3	0.2	0.2	0.1	—	0.1	0.2
Other nurses								
Lecturer—higher education sector	0.9	0.7	1.4	0.8	0.2	0.5	0.2	0.8
Other	3.4	5.2	3.4	4.1	3.5	2.9	2.7	3.6
Work setting of main job								
Registered nurses								
Acute/psychiatric hospital	55.5	48.6	53.4	44.3	37.5	42.9	38.8	51.6
Nursing home	10.3	10.0	8.4	9.6	10.1	5.9	4.8	9.9
Community health centre	4.3	5.5	4.4	6.2	7.8	6.2	14.0	5.1
Private medical rooms	2.4	2.4	2.3	3.0	2.5	2.5	1.5	2.4
Other	10.9	11.1	9.2	8.8	7.3	14.5	13.1	10.3
Enrolled nurses								
Acute/psychiatric hospital	7.6	9.8	12.2	14.4	20.1	18.9	21.1	10.5
Nursing home	5.1	8.3	7.0	9.7	10.9	3.6	2.7	6.4
Community health centre	0.3	0.5	0.2	0.8	0.8	0.4	1.0	0.4
Private medical rooms	0.7	0.5	0.5	0.7	0.7	0.8	0.3	0.7
Other	3.0	3.4	2.4	2.6	2.4	4.4	2.8	2.9
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW.

Table 40: Employed registered nurses: geographic location of main job and sex, States and Territories, 1997

Geographic location	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
Capital city	2,848	2,194	1,576	1,009	1,354	210	133	76	9,400
Other metropolitan centre	831	121	162	—	—	—	—	—	1,114
Large rural centre	497	396	431	—	33	97	—	—	1,453
Small rural centre	434	285	68	68	52	33	—	—	940
Other rural area	353	253	112	50	56	22	—	3	849
Remote centre	—	—	26	44	—	—	—	42	111
Other remote area	15	—	48	56	30	—	—	64	213
Total	4,976	3,248	2,423	1,227	1,525	362	133	185	14,081
Females									
Capital city	30,191	30,253	16,719	12,094	11,553	2,250	2,718	874	106,652
Other metropolitan centre	7,055	1,884	1,876	—	—	—	—	—	10,816
Large rural centre	4,701	3,043	4,280	—	177	1,257	—	—	13,459
Small rural centre	4,460	3,264	1,205	1,172	711	467	—	—	11,280
Other rural area	5,387	4,254	2,260	1,151	1,513	590	—	27	15,181
Remote centre	—	—	673	800	—	—	—	352	1,824
Other remote area	362	84	890	691	154	18	—	444	2,643
Total	52,156	42,783	27,903	15,908	14,109	4,582	2,718	1,696	161,856
Persons									
Capital city	33,039	32,448	18,294	13,103	12,907	2,460	2,851	949	116,052
Other metropolitan centre	7,886	2,005	2,039	—	—	—	—	—	11,930
Large rural centre	5,198	3,438	4,711	—	210	1,355	—	—	14,912
Small rural centre	4,894	3,549	1,274	1,241	764	499	—	—	12,220
Other rural area	5,739	4,507	2,372	1,201	1,569	612	—	30	16,030
Remote centre	—	—	698	843	—	—	—	394	1,936
Other remote area	377	84	938	748	184	18	—	508	2,857
Total	57,133	46,032	30,326	17,136	15,634	4,945	2,851	1,881	175,937
(per cent— persons)									
Capital city	57.8	70.5	60.3	76.5	82.6	49.7	100.0	50.5	66.0
Other metropolitan centre	13.8	4.4	6.7	—	—	—	—	—	6.8
Large rural centre	9.1	7.5	15.5	—	1.3	27.4	—	—	8.5
Small rural centre	8.6	7.7	4.2	7.2	4.9	10.1	—	—	6.9
Other rural area	10.0	9.8	7.8	7.0	10.0	12.4	—	1.6	9.1
Remote centre	—	—	2.3	4.9	—	—	—	20.9	1.1
Other remote area	0.7	0.2	3.1	4.4	1.2	0.4	—	27.0	1.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW.

Table 41: Employed enrolled nurses: geographic location of main job and sex, States and Territories, 1997

Geographic location	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Males									
Capital city	435	560	271	149	223	48	19	16	1,721
Other metropolitan centre	180	33	24	—	—	—	—	—	237
Large rural centre	67	158	81	—	—	10	—	—	315
Small rural centre	114	81	23	18	8	2	—	—	245
Other rural area	114	107	64	17	31	6	—	2	341
Remote centre	—	—	9	10	—	—	—	2	21
Other remote area	6	3	21	8	—	—	—	5	43
Total	914	942	493	202	262	65	19	25	2,922
Females									
Capital city	4,033	8,471	2,545	2,515	3,005	343	514	164	21,591
Other metropolitan centre	2,000	879	338	—	—	—	—	—	3,217
Large rural centre	1,333	1,377	955	—	59	225	—	—	3,950
Small rural centre	1,678	1,343	374	625	329	191	—	—	4,539
Other rural area	2,647	2,528	1,103	658	1,091	231	—	2	8,260
Remote centre	—	—	333	307	—	—	—	91	730
Other remote area	221	69	347	269	85	14	—	60	1,065
Total	11,913	14,667	5,995	4,374	4,569	1,004	514	316	43,352
Persons									
Capital city	4,468	9,032	2,816	2,664	3,228	390	533	180	23,311
Other metropolitan centre	2,180	912	362	—	—	—	—	—	3,455
Large rural centre	1,400	1,535	1,036	—	59	235	—	—	4,265
Small rural centre	1,792	1,423	396	643	336	193	—	—	4,784
Other rural area	2,761	2,635	1,167	675	1,122	237	—	4	8,600
Remote centre	—	—	342	317	—	—	—	93	752
Other remote area	226	72	368	277	85	14	—	64	1,107
Total	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274
(per cent— persons)									
Capital city	34.8	57.9	43.4	58.2	66.8	36.5	100.0	52.7	50.4
Other metropolitan centre	17.0	5.8	5.6	—	—	—	—	—	7.5
Large rural centre	10.9	9.8	16.0	—	1.2	22.0	—	—	9.2
Small rural centre	14.0	9.1	6.1	14.1	7.0	18.1	—	—	10.3
Other rural area	21.5	16.9	18.0	14.7	23.2	22.1	—	1.2	18.6
Remote centre	—	—	5.3	6.9	—	—	—	27.2	1.6
Other remote area	1.8	0.5	5.7	6.1	1.8	1.3	—	18.8	2.4
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW.

Table 42: Employed registered nurses: salary range of main job, geographic location, States and Territories, 1997

Annual salary range	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Capital city									
Nurses employed under a nursing award									
Less than \$28,729	147	1,016	2	449	7	17	27	8	1,672
\$28,730–\$41,992	20,640	17,909	15,795	11,012	11,029	2,056	1,735	713	80,888
\$41,993–\$50,471	5,243	8,759	1,596	956	1,194	223	926	159	19,056
\$50,472–\$58,710	3,541	2,633	295	114	212	41	49	14	6,899
\$58,711–\$70,038	553	1,045	196	203	243	26	19	19	2,304
\$70,039 or more	239	—	—	—	—	14	16	—	269
Other nurses									
Lecturer—higher education sector	257	350	126	117	144	7	27	10	1,037
Other	2,420	736	285	253	78	75	51	27	3,927
Total	33,039	32,448	18,294	13,103	12,907	2,460	2,851	949	116,052
Other metropolitan centre									
Nurses employed under a nursing award									
Less than \$28,729	43	59	—	—	—	—	—	—	102
\$28,730–\$41,992	5,285	1,122	1,730	—	—	—	—	—	8,137
\$41,993–\$50,471	1,071	580	202	—	—	—	—	—	1,853
\$50,472–\$58,710	790	116	24	—	—	—	—	—	930
\$58,711–\$70,038	97	57	21	—	—	—	—	—	176
\$70,039 or more	39	—	—	—	—	—	—	—	39
Other nurses									
Lecturer—higher education sector	31	23	23	—	—	—	—	—	78
Other	529	48	38	—	—	—	—	—	615
Total	7,886	2,005	2,039	—	—	—	—	—	11,930
Large rural centre									
Nurses employed under a nursing award									
Less than \$28,729	36	169	—	—	—	15	—	—	220
\$28,730–\$41,992	3,572	1,891	4,018	—	175	1,103	—	—	10,758
\$41,993–\$50,471	618	922	446	—	19	132	—	—	2,136
\$50,472–\$58,710	536	237	63	—	2	16	—	—	855
\$58,711–\$70,038	42	78	55	—	4	11	—	—	190
\$70,039 or more	23	—	—	—	—	12	—	—	35
Other nurses									
Lecturer—higher education sector	35	87	56	—	11	18	—	—	207
Other	335	54	72	—	—	49	—	—	510
Total	5,198	3,438	4,711	—	210	1,355	—	—	14,912
Small rural centre									
Nurses employed under a nursing award									
Less than \$28,729	46	109	—	43	—	2	—	—	201
\$28,730–\$41,992	3,424	1,973	1,083	1,020	683	419	—	—	8,601
\$41,993–\$50,471	420	1,050	123	110	58	44	—	—	1,806
\$50,472–\$58,710	505	225	15	7	6	2	—	—	759
\$58,711–\$70,038	51	96	34	21	10	9	—	—	221
\$70,039 or more	27	—	—	—	—	3	—	—	30
Other nurses									
Lecturer—higher education sector	36	32	4	17	4	3	—	—	96
Other	385	63	15	23	2	18	—	—	507
Total	4,894	3,549	1,274	1,241	764	499	—	—	12,220

(continued)

Table 42 (continued): Employed registered nurses: salary range of main job, geographic location, States and Territories, 1997

Annual salary range	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Other rural area									
Nurses employed under a nursing award									
Less than \$28,729	41	131	2	49	—	13	—	—	236
\$28,730–\$41,992	4,081	1,979	2,000	999	1,376	512	—	10	10,957
\$41,993–\$50,471	521	1,857	170	68	93	51	—	14	2,774
\$50,472–\$58,710	552	316	29	6	15	5	—	—	923
\$58,711–\$70,038	121	147	129	55	71	14	—	—	536
\$70,039 or more	16	—	—	—	—	5	—	—	20
Other nurses									
Lecturer—higher education sector	6	12	1	2	2	—	—	4	27
Other	400	66	41	22	11	14	—	2	557
Total	5,739	4,507	2,372	1,201	1,569	612	—	30	16,030
Remote centre									
Nurses employed under a nursing award									
Less than \$28,729	—	—	—	32	—	—	—	5	37
\$28,730–\$41,992	—	—	576	658	—	—	—	268	1,502
\$41,993–\$50,471	—	—	62	100	—	—	—	94	256
\$50,472–\$58,710	—	—	6	14	—	—	—	9	29
\$58,711–\$70,038	—	—	31	5	—	—	—	9	44
\$70,039 or more	—	—	—	—	—	—	—	—	—
Other nurses									
Lecturer—higher education sector	—	—	1	7	—	—	—	2	10
Other	—	—	22	27	—	—	—	7	56
Total	—	—	698	843	—	—	—	394	1,936
Other remote area									
Nurses employed under a nursing award									
Less than \$28,729	7	3	—	36	—	—	—	—	45
\$28,730–\$41,992	270	27	720	583	150	14	—	223	1,987
\$41,993–\$50,471	27	46	93	74	21	1	—	247	509
\$50,472–\$58,710	37	3	10	2	2	—	—	11	65
\$58,711–\$70,038	19	—	92	31	9	2	—	14	166
\$70,039 or more	—	—	—	—	—	2	—	—	2
Other nurses									
Lecturer—higher education sector	2	—	—	—	2	—	—	3	7
Other	17	5	23	22	—	—	—	9	76
Total	377	84	938	748	184	18	—	508	2,857
Total									
Nurses employed under a nursing award									
Less than \$28,729	321	1,487	3	609	7	46	27	13	2,514
\$28,730–\$41,992	37,271	24,901	25,923	14,270	13,413	4,103	1,735	1,214	122,830
\$41,993–\$50,471	7,901	13,215	2,691	1,308	1,384	451	926	514	28,391
\$50,472–\$58,710	5,960	3,530	442	142	238	63	49	35	10,459
\$58,711–\$70,038	882	1,424	558	314	338	62	19	41	3,638
\$70,039 or more	343	—	—	—	—	35	16	—	394
Other nurses									
Lecturer—higher education sector	367	504	212	143	163	28	27	18	1,462
Other	4,087	972	497	348	91	156	51	46	6,248
Total	57,133	46,032	30,326	17,136	15,634	4,945	2,851	1,881	175,937

Note: For Victoria, Queensland, Western Australia, South Australia, Tasmania and the Northern Territory, the higher job classifications spanned several salary ranges. Nurses in these classifications have been enumerated in the salary range appropriate for the majority of nurses in the classifications. Therefore data for the \$50,472–\$58,710, \$58,711–\$70,038 and \$70,039 or more salary ranges should be treated with caution.
Source: AIHW.

Table 43: Employed registered nurses: average age by geographic location of main job and sex, States and Territories, 1997

Geographic location/sex	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Capital city									
Males	39.0	38.2	37.1	41.2	39.8	42.8	42.2	38.4	38.9
Females	41.3	39.6	39.2	41.1	40.0	41.1	41.8	39.6	40.3
Total	41.1	39.6	39.0	41.1	40.0	41.2	41.8	39.5	40.2
Other metropolitan centre									
Males	41.0	38.2	36.6	—	—	—	—	—	39.9
Females	41.2	39.8	38.6	—	—	—	—	—	40.5
Total	41.2	39.8	38.5	—	—	—	—	—	40.4
Large rural centre									
Males	40.6	38.0	38.9	—	37.6	38.9	—	—	39.2
Females	41.5	39.5	40.6	—	36.5	40.8	—	—	40.6
Total	41.4	39.4	40.4	—	36.6	40.7	—	—	40.5
Small rural centre									
Males	41.1	38.3	40.3	38.4	38.8	39.4	—	—	39.8
Females	42.0	40.7	42.7	41.9	40.5	41.0	—	—	41.6
Total	41.9	40.6	42.6	41.8	40.4	40.9	—	—	41.4
Other rural area									
Males	41.5	40.8	40.8	39.7	39.4	40.8	—	49.5	41.0
Females	43.4	43.2	43.4	43.6	42.6	43.7	—	40.7	43.3
Total	43.3	43.1	43.2	43.5	42.5	43.6	—	41.6	43.2
Remote centre									
Males	—	—	36.7	36.5	—	—	—	37.5	36.9
Females	—	—	39.8	38.8	—	—	—	39.8	39.4
Total	—	—	39.6	38.7	—	—	—	39.6	39.3
Other remote area									
Males	39.2	—	36.8	37.5	38.6	—	—	38.4	37.8
Females	43.0	42.5	40.6	40.0	40.8	39.9	—	39.2	40.6
Total	42.9	42.5	40.4	39.8	40.4	39.9	—	39.1	40.4
Not stated									
Males	37.3	36.5	37.4	41.0	41.5	42.3	34.7	40.9	37.9
Females	38.7	39.9	41.0	40.7	41.9	43.1	44.9	39.3	40.1
Total	38.5	39.6	40.8	40.7	41.8	43.1	44.3	39.5	39.9
Total									
Males	39.3	38.3	37.6	40.7	40.0	41.3	41.7	38.6	38.9
Females	41.1	40.1	40.2	41.1	40.4	41.5	42.0	39.5	40.6
Total	40.9	40.0	40.0	41.1	40.4	41.5	42.0	39.5	40.5

Source: AIHW survey.

Table 44: Employed enrolled nurses: average age by geographic location of main job and sex, States and Territories, 1997

Geographic location/ sex	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Capital city									
Males	36.8	39.8	40.6	42.8	38.8	42.0	42.6	30.1	39.5
Females	37.8	40.6	41.4	40.3	39.3	39.8	42.4	37.9	40.1
Total	37.7	40.6	41.3	40.5	39.3	40.1	42.3	37.3	40.0
Other metropolitan centre									
Males	34.7	37.6	34.9	—	—	—	—	—	35.2
Females	37.4	39.3	37.9	—	—	—	—	—	38.1
Total	37.2	39.3	37.6	—	—	—	—	—	37.9
Large rural centre									
Males	34.2	37.2	40.4	—	—	45.0	—	—	37.9
Females	38.1	38.9	38.9	—	36.8	41.0	—	—	38.7
Total	37.9	38.7	39.0	—	36.8	41.1	—	—	38.7
Small rural centre									
Males	35.6	37.7	39.4	35.3	38.0	45.0	—	—	36.9
Females	38.3	39.7	41.5	40.3	37.9	41.8	—	—	39.5
Total	38.1	39.6	41.4	40.1	37.9	41.9	—	—	39.4
Other rural area									
Males	37.4	38.3	39.2	45.6	33.9	40.0	—	32.0	38.3
Females	39.0	40.5	40.1	41.3	39.5	43.2	—	31.0	40.1
Total	39.0	40.5	40.0	41.4	39.4	43.1	—	31.5	40.0
Remote centre									
Males	—	—	35.0	37.3	—	—	—	25.0	35.3
Females	—	—	37.1	38.4	—	—	—	39.0	37.8
Total	—	—	37.0	38.3	—	—	—	38.7	37.7
Other remote area									
Males	35.0	42.5	38.6	37.8	—	—	—	46.0	38.9
Females	38.3	39.4	39.0	39.0	38.5	41.5	—	41.1	39.0
Total	38.3	39.5	39.0	39.0	38.5	41.5	—	41.4	39.0
Not stated									
Males	34.3	38.6	38.5	45.1	39.7	41.0	—	40.0	37.2
Females	36.0	39.9	41.6	40.3	41.1	41.0	37.6	39.0	39.4
Total	35.8	39.8	41.4	40.6	41.0	41.0	37.6	39.1	39.3
Total									
Males	35.6	38.9	39.6	42.5	38.6	42.3	42.6	34.7	38.3
Females	37.7	40.2	40.6	40.3	39.5	41.2	41.9	38.8	39.6
Total	37.5	40.2	40.5	40.4	39.4	41.3	41.9	38.5	39.6

Source: AIHW survey.

Table 45: Employed registered nurses: geographic location of main job, total hours worked per week, States and Territories, 1997

Geographic location/ hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Capital city									
1-19	4,967	5,018	2,396	1,932	2,282	351	331	69	17,347
20-34	9,161	11,985	5,809	4,312	4,496	1,064	1,213	181	38,221
35-49	17,668	14,192	9,805	5,916	5,610	966	1,170	601	55,929
50 and over	1,243	1,253	284	943	518	79	138	97	4,555
<i>Total</i>	<i>33,039</i>	<i>32,448</i>	<i>18,294</i>	<i>13,103</i>	<i>12,907</i>	<i>2,460</i>	<i>2,851</i>	<i>949</i>	<i>116,052</i>
Average weekly hours	32.7	31.8	32.2	33.0	31.4	30.8	32.3	37.9	32.2
Other metropolitan centre									
1-19	1,249	444	157	—	—	—	—	—	1,851
20-34	2,484	792	608	—	—	—	—	—	3,884
35-49	3,925	709	1,229	—	—	—	—	—	5,862
50 and over	227	61	45	—	—	—	—	—	333
<i>Total</i>	<i>7,886</i>	<i>2,005</i>	<i>2,039</i>	—	—	—	—	—	<i>11,930</i>
Average weekly hours	31.5	29.2	33.8	—	—	—	—	—	31.5
Large rural centre									
1-19	685	597	544	—	44	129	—	—	1,999
20-34	1,781	1,408	1,618	—	71	597	—	—	5,476
35-49	2,543	1,330	2,484	—	92	568	—	—	7,017
50 and over	190	103	65	—	2	60	—	—	420
<i>Total</i>	<i>5,198</i>	<i>3,438</i>	<i>4,711</i>	—	<i>210</i>	<i>1,355</i>	—	—	<i>14,912</i>
Average weekly hours	32.0	30.2	31.9	—	29.3	31.5	—	—	31.4
Small rural centre									
1-19	747	615	194	170	157	80	—	—	1,962
20-34	1,664	1,638	472	464	344	196	—	—	4,778
35-49	2,322	1,196	597	523	240	211	—	—	5,089
50 and over	161	101	10	84	23	13	—	—	391
<i>Total</i>	<i>4,894</i>	<i>3,549</i>	<i>1,274</i>	<i>1,241</i>	<i>764</i>	<i>499</i>	—	—	<i>12,220</i>
Average weekly hours	31.4	29.7	30.3	32.6	29.1	30.2	—	—	30.7
Other rural area									
1-19	947	958	379	243	366	126	—	6	3,025
20-34	2,057	2,230	840	477	673	305	—	2	6,584
35-49	2,523	1,212	1,125	386	491	154	—	17	5,909
50 and over	212	107	28	94	40	26	—	5	512
<i>Total</i>	<i>5,739</i>	<i>4,507</i>	<i>2,372</i>	<i>1,201</i>	<i>1,569</i>	<i>612</i>	—	<i>30</i>	<i>16,030</i>
Average weekly hours	30.9	28.1	30.4	31.0	28.0	28.0	—	36.1	29.6
Remote centre/Other remote area									
1-19	68	17	246	239	33	—	—	40	643
20-34	122	39	435	346	72	12	—	126	1,152
35-49	180	24	905	818	62	4	—	609	2,602
50 and over	7	5	50	189	17	1	—	127	396
<i>Total</i>	<i>377</i>	<i>84</i>	<i>1,636</i>	<i>1,592</i>	<i>184</i>	<i>18</i>	—	<i>902</i>	<i>4,793</i>
Average weekly hours	30.1	29.3	32.3	36.4	30.9	33.3	—	37.9	35.1
Total									
1-19	8,663	7,647	3,916	2,584	2,882	687	330	116	26,825
20-34	17,269	18,092	9,782	5,599	5,657	2,175	1,213	309	60,096
35-49	29,161	18,663	16,145	7,643	6,495	1,904	1,170	1,228	82,409
50 and over	2,040	1,630	482	1,309	600	179	138	229	6,607
Total	57,133	46,032	30,325	17,135	15,634	4,945	2,851	1,882	175,937
Average weekly hours	32.2	30.9	31.9	33	30.8	30.4	32.2	38.6	31.8

(continued)

Table 45 (continued): Employed registered nurses: geographic location of main job, total hours worked per week, States and Territories, 1997

Geographic location/ hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Capital city	(per cent)								
1-19	15.0	15.5	13.1	14.7	17.7	14.3	11.6	7.3	14.9
20-34	27.7	36.9	31.8	32.9	34.8	43.2	42.5	19.1	32.9
35-49	53.5	43.7	53.6	45.2	43.5	39.3	41.0	63.4	48.2
50 and over	3.8	3.9	1.6	7.2	4.0	3.2	4.8	10.2	3.9
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100</i>
Other metropolitan centre									
1-19	15.8	22.1	7.7	—	—	—	—	—	15.5
20-34	31.5	39.5	29.8	—	—	—	—	—	32.6
35-49	49.8	35.3	60.3	—	—	—	—	—	49.1
50 and over	2.9	3.0	2.2	—	—	—	—	—	2.8
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	—	—	—	—	<i>100.0</i>
Large rural centre									
1-19	13.2	17.4	11.5	—	21.0	9.5	—	—	13.4
20-34	34.3	41.0	34.4	—	34.0	44.1	—	—	36.7
35-49	48.9	38.7	52.7	—	44.0	41.9	—	—	47.1
50 and over	3.6	3.0	1.4	—	1.0	4.4	—	—	2.8
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	<i>100.0</i>	<i>100.0</i>	—	—	<i>100.0</i>
Small rural centre									
1-19	15.3	17.3	15.2	13.7	20.5	16.0	—	—	16.1
20-34	34.0	46.2	37.1	37.4	45.1	39.2	—	—	39.1
35-49	47.5	33.7	46.9	42.1	31.4	42.3	—	—	41.6
50 and over	3.3	2.8	0.8	6.7	3.0	2.5	—	—	3.2
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	—	<i>100.0</i>
Other rural area									
1-19	16.5	21.2	16.0	20.2	23.3	20.7	—	21.1	18.9
20-34	35.8	49.5	35.4	39.7	42.9	49.9	—	5.3	41.1
35-49	44.0	26.9	47.4	32.2	31.3	25.2	—	57.9	36.9
50 and over	3.7	2.4	1.2	7.9	2.5	4.3	—	15.8	3.2
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	<i>100.0</i>	<i>100.0</i>
Remote centre/Other remote area									
1-19	18.0	19.0	15.0	15.0	17.9	—	—	4.4	13.4
20-34	32.4	46.4	26.6	21.7	39.1	70.6	—	14.0	24.0
35-49	47.7	28.6	55.3	51.4	33.7	23.5	—	67.5	54.3
50 and over	1.9	6.0	3.1	11.9	9.2	5.9	—	14.1	8.3
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	<i>100.0</i>	<i>100.0</i>
Total									
1-19	17.3	23.8	13.2	16.7	19.9	22.6	21.6	13.5	18.6
20-34	29.0	38.6	34.4	36.2	35.8	41.9	39.2	22.5	34.2
35-49	47.7	33.2	51.4	38.6	41.9	32.6	31.4	57.3	42.5
50 and over	6.1	4.5	1.1	8.5	2.4	3.0	7.8	6.7	4.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW Survey.

Table 46: Employed enrolled nurses: geographic location of main job, total hours worked per week, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
Capital city									
1–19	664	1,807	433	439	659	76	84	26	4,188
20–34	1,388	3,731	1,072	1,096	1,541	181	217	49	9,276
35–49	2,223	3,165	1,290	1,007	940	127	202	91	9,045
50 and over	193	329	20	122	88	6	30	14	802
<i>Total</i>	<i>4,468</i>	<i>9,032</i>	<i>2,816</i>	<i>2,664</i>	<i>3,228</i>	<i>390</i>	<i>533</i>	<i>180</i>	<i>23,311</i>
<i>Average weekly hours</i>	<i>32.6</i>	<i>29.7</i>	<i>30.6</i>	<i>30.6</i>	<i>28.9</i>	<i>28.7</i>	<i>31.5</i>	<i>34.0</i>	<i>30.4</i>
Other metropolitan centre									
1–19	344	273	53	—	—	—	—	—	670
20–34	695	452	157	—	—	—	—	—	1,304
35–49	1,045	174	150	—	—	—	—	—	1,369
50 and over	96	13	3	—	—	—	—	—	112
<i>Total</i>	<i>2,180</i>	<i>912</i>	<i>363</i>	—	—	—	—	—	<i>3,455</i>
<i>Average weekly hours</i>	<i>32.0</i>	<i>25.6</i>	<i>30.1</i>	—	—	—	—	—	<i>29.9</i>
Large rural centre									
1–19	174	318	191	—	13	39	—	—	736
20–34	552	737	358	—	35	128	—	—	1,810
35–49	623	444	476	—	11	55	—	—	1,609
50 and over	51	35	10	—	—	13	—	—	110
<i>Total</i>	<i>1,400</i>	<i>1,535</i>	<i>1,036</i>	—	<i>59</i>	<i>235</i>	—	—	<i>4,265</i>
<i>Average weekly hours</i>	<i>31.7</i>	<i>27.9</i>	<i>30.1</i>	—	<i>26.4</i>	<i>28.8</i>	—	—	<i>29.6</i>
Small rural centre									
1–19	281	257	64	94	70	37	—	—	803
20–34	679	763	176	322	175	98	—	—	2,214
35–49	743	373	154	192	83	56	—	—	1,601
50 and over	89	30	1	35	9	2	—	—	166
<i>Total</i>	<i>1,792</i>	<i>1,423</i>	<i>396</i>	<i>643</i>	<i>337</i>	<i>193</i>	—	—	<i>4,784</i>
<i>Average weekly hours</i>	<i>31.4</i>	<i>27.6</i>	<i>28.5</i>	<i>30.1</i>	<i>28.5</i>	<i>27.9</i>	—	—	<i>29.4</i>
Other rural area									
1–19	393	626	171	138	328	47	—	—	1,704
20–34	990	1,490	427	322	567	131	—	—	3,927
35–49	1,259	476	564	187	195	55	—	4	2,740
50 and over	119	43	5	28	32	4	—	—	230
<i>Total</i>	<i>2,761</i>	<i>2,635</i>	<i>1,167</i>	<i>675</i>	<i>1,122</i>	<i>237</i>	—	<i>4</i>	<i>8,601</i>
<i>Average weekly hours</i>	<i>31.9</i>	<i>26.2</i>	<i>30.4</i>	<i>28.2</i>	<i>26.1</i>	<i>26.7</i>	—	<i>42.0</i>	<i>28.7</i>
Remote centre/Other remote area									
1–19	31	9	97	94	29	—	—	16	276
20–34	85	44	278	204	39	4	—	44	698
35–49	98	19	331	252	17	7	—	81	805
50 and over	12	—	4	44	—	4	—	16	80
<i>Total</i>	<i>226</i>	<i>72</i>	<i>710</i>	<i>594</i>	<i>85</i>	<i>14</i>	—	<i>157</i>	<i>1,858</i>
<i>Average weekly hours</i>	<i>32.2</i>	<i>27.2</i>	<i>31.0</i>	<i>33.7</i>	<i>22.0</i>	<i>38.4</i>	—	<i>38.5</i>	<i>31.5</i>
Total									
1–19	1,887	3,290	1,010	765	1,099	200	84	42	8,377
20–34	4,390	7,218	2,468	1,944	2,358	542	217	93	19,230
35–49	5,991	4,651	2,965	1,638	1,245	300	202	175	17,167
50 and over	559	450	44	229	129	28	30	30	1,499
Total	12,827	15,609	6,488	4,576	4,831	1,069	533	341	46,274
Average weekly hours	32	28.4	30.3	30.3	28.1	28.1	31.4	34.6	29.9

(continued)

Table 46 (continued): Employed enrolled nurses: total hours worked per week, geographic location of main job, States and Territories, 1997

Hours worked	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
	(per cent)								
Capital city									
1-19	14.9	20.0	15.4	16.5	20.4	19.5	15.7	14.6	18.0
20-34	31.1	41.3	38.1	41.2	47.7	46.3	40.7	27.0	39.8
35-49	49.7	35.0	45.8	37.8	29.1	32.7	38.0	50.6	38.8
50 and over	4.3	3.6	0.7	4.6	2.7	1.5	5.6	7.9	3.4
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>
Other metropolitan centre									
1-19	15.8	29.9	14.6	—	—	—	—	—	19.4
20-34	31.9	49.6	43.3	—	—	—	—	—	37.7
35-49	47.9	19.0	41.3	—	—	—	—	—	39.6
50 and over	4.4	1.5	0.8	—	—	—	—	—	3.2
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	—	—	—	—	<i>100.0</i>
Large rural centre									
1-19	12.4	20.7	18.5	—	22.2	16.8	—	—	17.3
20-34	39.4	48.0	34.6	—	59.3	54.4	—	—	42.4
35-49	44.5	29.0	46.0	—	18.5	23.2	—	—	37.7
50 and over	3.6	2.3	1.0	—	—	5.6	—	—	2.6
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	<i>100.0</i>	<i>100.0</i>	—	—	<i>100.0</i>
Small rural centre									
1-19	15.7	18.1	16.2	14.7	20.8	19.0	—	—	16.8
20-34	37.9	53.7	44.5	50.0	51.9	51.0	—	—	46.3
35-49	41.5	26.2	38.9	29.9	24.7	29.0	—	—	33.5
50 and over	5.0	2.1	0.4	5.5	2.6	1.0	—	—	3.5
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	—	<i>100.0</i>
Other rural area									
1-19	14.2	23.8	14.7	20.5	29.2	20.0	—	—	19.8
20-34	35.9	56.5	36.6	47.6	50.6	55.4	—	—	45.7
35-49	45.6	18.1	48.4	27.7	17.4	23.1	—	100.0	31.9
50 and over	4.3	1.6	0.4	4.2	2.8	1.5	—	—	2.7
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	<i>100.0</i>	<i>100.0</i>
Remote centre/Other remote area									
1-19	13.7	12.5	13.7	15.8	34.1	—	—	10.2	14.9
20-34	37.6	61.1	39.2	34.3	46.3	25.0	—	28.0	37.6
35-49	43.4	26.4	46.6	42.4	19.5	50.0	—	51.6	43.3
50 and over	5.3	—	0.6	7.4	—	25.0	—	10.2	4.3
<i>Total</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	<i>100.0</i>	—	<i>100.0</i>	<i>100.0</i>
Total									
1-19	14.7	21.1	15.6	16.7	22.8	18.7	15.7	12.5	18.1
20-34	34.2	46.2	38.0	42.5	48.8	50.7	40.7	27.3	41.6
35-49	46.7	29.8	45.7	35.8	25.8	28.0	38.0	51.4	37.1
50 and over	4.4	2.9	0.7	5.0	2.7	2.6	5.6	8.9	3.2
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW.

Table 47: Full-time equivalent nursing staff per bed in public acute and psychiatric hospitals, States and Territories, 1995–96 to 1998–99

	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1995–96									
FTE nursing staff	30,399	18,000	13,879	6,914	7,132	2,048	1,393	805	80,570
Average available beds	21,560	13,139	11,113	5,547	5,543	1,468	780	570	59,720
FTE nursing staff per bed	1.41	1.37	1.25	1.25	1.29	1.40	1.79	1.41	1.35
1996–97									
FTE nursing staff	28,471	17,211	13,973	6,252	7,248	1,903	1,365	967	77,390
Average available beds	20,705	12,134	10,881	5,177	5,250	1,328	784	577	56,836
FTE nursing staff per bed	1.38	1.42	1.28	1.21	1.38	1.43	1.74	1.68	1.36
1997–98									
FTE nursing staff	28,517	16,714	14,246	7,598	7,371	1,520	1,329	944	78,239
Average available beds	19,705	12,337	10,809	5,263	5,198	1,078	768	577	55,735
FTE nursing staff per bed	1.45	1.35	1.32	1.44	1.42	1.41	1.73	1.64	1.40
FTE nursing staff per 1,000 separations	22.4	18.0	20.8	21.9	21.3	20.3	22.7	17.9	20.7
FTE nursing staff per 1,000 patient days	4.7	4.5	4.6	5.2	5.0	5.4	5.4	5.0	4.7
1998–99									
FTE nursing staff	28,218	17,214	14,219	7,514	7,358	1,463	1,359	974	78,319
Average available beds	18,757	11,638	10,643	5,336	5,095	1,139	710	567	53,885
FTE nursing staff per bed	1.50	1.48	1.34	1.41	1.44	1.28	1.91	1.72	1.45
FTE nursing staff per 1,000 separations	22.2	17.7	20.1	21.0	20.7	18.2	23.2	17.7	20.3
FTE nursing staff per 1,000 patient days	4.8	4.6	4.7	5.3	5.1	3.8	6.3	5.1	4.8
Per cent increase from 1995–96 to 1998–99									
FTE nursing staff	-7.2	-4.4	2.4	8.7	3.2	-28.6	-2.4	21.0	-2.8
Average available beds	-13.0	-11.4	-4.2	-3.8	-8.1	-22.4	-9.0	-0.5	-9.8
FTE nursing staff per bed	6.7	8.0	7.0	13.0	12.2	-7.9	7.2	21.6	7.7

Source: Australian hospital statistics, AIHW.

Table 48: Average FTE nursing staff in public hospitals: States and Territories, 1995–96 to 1998–99

Classification	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Australia
1995–96									
Registered nurses	25,559	n.a.	11,280	n.a.	5,488	n.a.	1,194	654	n.a.
Enrolled nurses	4,142	n.a.	2,415	n.a.	1,546	n.a.	199	140	n.a.
Student nurses	—	n.a.	158	n.a.	—	n.a.	—	11	n.a.
Trainee/pupil nurses	691	n.a.	27	n.a.	99	n.a.	—	—	n.a.
Total	30,399	18,000	13,879	6,914	7,132	2,048	1,393	805	80,570
1996–97									
Registered nurses	n.a.	14,790	11,462	n.a.	5,637	n.a.	1,169	836	n.a.
Enrolled nurses	n.a.	2,421	2,396	n.a.	1,532	n.a.	195	131	n.a.
Student nurses	n.a.	n.a.	85	n.a.	—	n.a.	—	—	n.a.
Trainee/pupil nurses	n.a.	n.a.	30	n.a.	79	n.a.	—	—	n.a.
Total	28,471	17,211	13,973	6,252	7,248	1,903	1,365	967	77,390
1997–98									
Registered nurses	n.a.	14,457	11,983	6,848	5,790	n.a.	1,143	800	n.a.
Enrolled nurses	n.a.	2,257	2,263	746	1,527	n.a.	186	141	n.a.
Student nurses	n.a.	—	—	4	—	n.a.	—	3	n.a.
Trainee/pupil nurses	n.a.	—	—	n.a.	54	n.a.	—	—	n.a.
Total	28,517	16,714	14,246	7,598	7,371	1,520	1,329	944	78,239
1998–99									
Registered nurses	n.a.	14,887	11,935	7,021	5,861	n.a.	1,167	828	n.a.
Enrolled nurses	n.a.	2,327	2,284	489	1,497	n.a.	192	146	n.a.
Student nurses	n.a.	—	—	4	—	n.a.	—	—	n.a.
Trainee/pupil nurses	n.a.	—	—	n.a.	—	n.a.	—	—	n.a.
Total	28,218	17,214	14,219	7,514	7,358	1,463	1,359	974	78,319
(per cent)									
1995–96									
Registered nurses	84.1	n.a.	81.3	n.a.	76.9	n.a.	85.7	81.2	n.a.
Enrolled nurses	13.6	n.a.	17.4	n.a.	21.7	n.a.	14.3	17.4	n.a.
Student nurses	—	n.a.	1.1	n.a.	—	n.a.	—	1.4	n.a.
Trainee/pupil nurses	2.3	n.a.	0.2	n.a.	1.4	n.a.	—	—	n.a.
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1996–97									
Registered nurses	n.a.	85.9	82.0	n.a.	77.8	n.a.	85.6	86.5	n.a.
Enrolled nurses	n.a.	14.1	17.1	n.a.	21.1	n.a.	14.3	13.5	n.a.
Student nurses	n.a.	n.a.	0.6	n.a.	—	n.a.	—	—	n.a.
Trainee/pupil nurses	n.a.	n.a.	0.2	n.a.	1.1	n.a.	—	—	n.a.
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1997–98									
Registered nurses	n.a.	86.5	84.1	90.1	78.6	n.a.	86.0	84.7	n.a.
Enrolled nurses	n.a.	13.5	15.9	9.8	20.7	n.a.	14.0	14.9	n.a.
Student nurses	n.a.	—	—	0.1	—	n.a.	—	0.3	n.a.
Trainee/pupil nurses	n.a.	—	—	n.a.	0.7	n.a.	—	—	n.a.
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1998–99									
Registered nurses	n.a.	86.5	83.9	93.4	79.7	n.a.	85.9	85.0	n.a.
Enrolled nurses	n.a.	13.5	16.1	6.5	20.3	n.a.	14.1	15.0	n.a.
Student nurses	n.a.	—	—	0.1	—	n.a.	—	—	n.a.
Trainee/pupil nurses	n.a.	—	—	n.a.	—	n.a.	—	—	n.a.
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Australian hospital statistics, AIHW.

Table 49: Patient and staffing statistics, public acute and psychiatric hospitals, Australia, 1995–96 to 1998–99

Item	1995–96	1996–97	1997–98	1998–99	% change from 1995–96
Patient statistics					
Separations ('000s)	3,593.3	3,642.0	3,770.1	3,859.7	7.4
Occupied bed days ('000s)	16,555.2	16,531.7	16,560.4	16,274.2	-1.7
Average stay (days)	4.6	4.5	4.4	4.2	-8.5
FTE staffing					
Salaried medical officers	13,361	14,210	15,387	16,458	23.2
Nurses	80,570	77,390	78,239	78,319	-2.8
Other personal care staff ^(a)	4,901	5,389	4,544	2,289	-53.3
Diagnostic and health professionals	24,299	22,360	22,748	22,686	-6.6
Administrative and clerical staff	26,213	24,418	24,894	26,410	0.8
Domestic and other staff	35,159	30,927	29,212	29,373	-16.5
Total staff	184,494	174,695	175,024	175,535	-4.9
Separations per FTE					
Salaried medical officers	269	256	245	234	-12.8
Nurses	45	47	48	49	10.5
Other personal care staff ^(a)	733	676	830	1,686	130.0
Diagnostic and health professionals	148	163	166	170	15.0
Administrative and clerical staff	137	149	151	146	6.6
Domestic and other staff	102	118	129	131	28.6
Total staff	19	21	22	22	12.9
Occupied bed days per FTE					
Salaried medical officers	1,239	1,163	1,076	989	-20.2
Nurses	205	214	212	208	1.1
Other personal care staff ^(a)	3,378	3,068	3,645	7,110	110.5
Diagnostic and health professionals	681	739	728	717	5.3
Administrative and clerical staff	632	677	665	616	-2.4
Domestic and other staff	471	535	567	554	17.7
Total staff	90	95	95	93	3.3

Note: Percentage increases are calculated for 1995–96 to 1998–99 for comparison with Table 4.

(a) Other personal care staff were included with diagnostic and health professionals or with domestic and other staff by several States in 1998–99.

Source: AIHW, Australian hospital statistics annual publications.

Table 50: Patient and staffing statistics, private acute and psychiatric hospitals, Australia, 1993–94 to 1998–99

	1993–94	1994–95	1995–96	1996–97	1997–98	1998–99	% change from 1995–96
Patient statistics							
Separations ('000s)	1,250.7	1,346.7	1,452.3	1,539.4	1,585.3	1,684.2	16.0
Patient bed days ('000s)	5,172.4	5,421.9	5,844.2	5,853.6	5,858.8	6,040.7	3.4
Average stay (days)	4.1	4.0	4.0	3.8	3.7	3.6	-10.5
FTE staffing							
Salaried medical officers and other diagnostic and health professionals	1,310	1,609	1,653	1,765	2,055	2,125	28.6
Nursing staff	20,033	21,512	23,136	24,193	24,567	25,670	11.0
Registered	16,362	18,112	19,546	20,702	21,131	22,412	14.7
Other	3,672	3,401	3,590	3,492	3,436	3,258	-9.2
Administrative and clerical staff	4,125	4,593	5,106	5,225	5,419	5,687	11.4
Domestic and other staff	8,290	8,875	9,206	9,725	9,525	9,571	4.0
Total staff	33,758	36,589	39,100	40,908	41,566	43,053	10.1
Separations per FTE							
Salaried medical officers and other diagnostic and health professionals	955	837	879	872	771	793	-9.8
Nursing staff	62	63	63	64	65	66	4.5
Registered	76	74	74	74	75	75	1.1
Other	341	396	405	441	461	517	27.8
Administrative and clerical staff	303	293	284	295	293	296	4.1
Domestic and other staff	151	152	158	158	166	176	11.5
Total staff	37	37	37	38	38	39	5.3
Patient days per FTE							
Salaried medical officers and other diagnostic and health professionals	3,948	3,370	3,537	3,317	2,851	2,843	-19.6
Nursing staff	258	252	253	242	238	235	-6.8
Registered	316	299	299	283	277	270	-9.9
Other	1,409	1,594	1,628	1,677	1,705	1,854	13.9
Administrative and clerical staff	1,254	1,180	1,145	1,120	1,081	1,062	-7.2
Domestic and other staff	624	611	635	602	615	631	-0.6
Total staff	153	148	149	143	141	140	-6.1

Note: Percentage increases are calculated for 1995–96 to 1998–99 for comparison with Table 4.

Source: ABS, *Private Hospitals*, Cat. No. 4390.0.

Table 51: Patient and staffing statistics, private free-standing day hospitals, Australia, 1993-94 to 1998-99

	1993-94	1994-95	1995-96	1996-97	1997-98	1998-99	% change from 1995-96
Patient statistics							
Separations	182,178	189,863	208,793	226,266	271,700	302,100	44.7
FTE staffing							
Nursing staff	360	410	497	571	696	746	49.9
Administrative and clerical staff	212	244	291	332	398	443	52.5
Other staff	82	101	102	108	126	130	27.9
Total staff	653	755	890	1,011	1,220	1,319	47.1
Separations per FTE							
Nursing staff	506	464	420	396	391	405	-3.5
Administrative and clerical staff	861	777	718	682	683	682	-5.1
Other staff	2,235	1,874	2,055	2,103	2,150	2,326	13.2
Total staff	279	251	235	224	223	231	-1.6

Note: Percentage increases are calculated for 1995-96 to 1998-99 for comparison with Table 8.

Source: ABS, Private Hospitals, Cat. No. 4390.0.

Table 52: Registered and enrolled nurses employed in public hospitals: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
Type of nurse					(per cent)			
Registered nurses	85,458	85,009	84,852	86,850	82.0	81.8	82.1	81.9
Enrolled nurses	18,780	18,924	18,479	19,228	18.0	18.2	17.9	18.1
Sex ^(a)								
Males	9,342	9,482	9,442	9,411	9.0	9.1	9.1	8.9
Females	93,959	94,451	93,889	96,667	91.0	90.9	90.9	91.1
Geographic location of main job								
Capital city	61,516	62,044	63,334	63,606	59.0	59.7	61.3	60.0
Other metropolitan centre	7,815	7,568	7,038	7,281	7.5	7.3	6.8	6.9
Large rural centre	10,316	10,155	8,809	9,605	9.9	9.8	8.5	9.1
Small rural centre	8,554	8,283	8,472	8,633	8.2	8.0	8.2	8.0
Other rural area	12,885	12,325	13,182	13,131	12.4	11.9	12.8	12.4
Remote centre	1,207	1,409	608	1,600	1.2	1.4	0.6	1.5
Other remote area	1,945	2,149	1,888	2,222	1.9	2.1	1.8	2.1
Age (years) ^(a)								
Average	36.9	37.2	37.7	38.1	..	..	..	..
<30	25,475	25,095	23,709	23,748	24.7	24.1	22.9	22.4
30–39	40,264	38,959	37,293	36,771	38.9	37.5	36.1	34.7
40–49	26,401	27,967	29,463	31,235	25.6	26.9	28.5	29.4
50–59	9,908	10,566	11,388	12,705	9.6	10.2	11.0	12.0
60+	1,253	1,346	1,479	1,619	1.2	1.3	1.4	1.5
Hours worked per week								
Average	34.2	34.1	34.8	33.0	..	..	..	..
Part-time (<35 hours)	40,355	41,632	42,382	47,132	38.7	40.1	41.0	44.4
Full-time (35 hours+)	63,883	62,302	60,949	58,946	61.3	59.9	59.0	55.6
Field of nursing								
Clinician	98,882	97,309	97,018	97,909	94.9	93.6	93.9	92.3
Administrator	3,615	3,900	3,839	4,263	3.5	3.8	3.7	4.0
Teacher/educator	1,188	1,219	1,229	1,820	1.1	1.2	1.2	1.7
Researcher	227	342	322	694	0.2	0.3	0.3	0.7
Other	325	1,163	923	1,392	0.3	1.1	0.9	1.3
Area of clinical nursing (clinicians) ^(b)								
Medical/surgical	44,714	43,213	40,928	42,092	45.2	44.4	42.2	43.0
Operating theatre	7,434	7,398	7,612	7,915	7.5	7.6	7.8	8.1
Intensive care	7,832	7,747	7,983	8,101	7.9	8.0	8.2	8.3
Paediatric	3,014	3,111	3,087	3,873	3.0	3.2	3.2	3.9
Obstetrics/gynaecology/midwifery	10,846	11,196	10,803	11,001	11.0	11.5	11.1	11.2
Psychiatric/mental health	7,763	8,034	8,067	7,615	7.9	8.3	8.3	7.8
Geriatric/gerontology	3,853	4,064	4,277	3,565	3.9	4.2	4.4	3.6
Accident and emergency	4,671	4,771	5,011	5,168	4.7	4.9	5.2	5.3
Other	8,756	7,776	9,251	8,581	8.9	8.0	9.5	8.8
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	58,978	55,548	55,794	n.a.	69.0	65.3	65.8	..
Other	26,480	29,462	29,058	n.a.	31.0	34.7	34.2	..
Employed nurses per 100,000 population								
Registered nurses	479.1	470.9	457.9	468.8	..	..	..	..
Enrolled nurses	105.3	104.8	99.7	103.8	..	..	..	..
All nurses	584.4	575.8	557.6	572.6	..	..	..	..
Total	104,238	103,933	103,331	106,078	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 53: Registered and enrolled nurses employed in private hospitals: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	23,313	24,398	24,936	27,384	84.7	85.6	86.8	86.7
Enrolled nurses	4,223	4,098	3,793	4,218	15.3	14.4	13.2	13.3
Sex ^(a)								
Males	1,179	1,346	1,312	1,537	4.3	4.7	4.6	4.9
Females	26,244	27,149	27,417	30,065	95.7	95.3	95.4	95.1
Geographic location of main job								
Capital city	19,292	19,988	21,666	23,767	70.1	70.1	75.4	75.2
Other metropolitan centre	2,544	2,618	1,743	1,861	9.2	9.2	6.1	5.9
Large rural centre	3,841	3,818	3,229	3,686	14.0	13.4	11.2	11.7
Small rural centre	1,069	1,175	1,177	1,355	3.9	4.1	4.1	4.3
Other rural area	773	850	873	895	2.8	3.0	3.0	2.8
Remote centre	5	6	3	8	—	—	—	—
Other remote area	12	40	37	30	—	0.1	0.1	0.1
Age (years) ^(a)								
Average	38.0	38.4	38.8	39.1	..	..	..	..
<30	4,855	4,989	4,902	5,370	17.7	17.5	17.1	17.0
30–39	11,557	11,467	11,006	11,470	42.1	40.2	38.3	36.3
40–49	7,892	8,564	8,950	10,282	28.8	30.1	31.2	32.5
50–59	2,761	3,078	3,398	3,972	10.1	10.8	11.8	12.6
60+	357	397	474	508	1.3	1.4	1.6	1.6
Hours worked per week								
Average	30.7	31.0	31.4	30.0	..	..	..	..
Part-time (<35 hours)	15,791	16,238	16,395	19,061	57.3	57.0	57.1	60.3
Full-time (35 hours+)	11,745	12,258	12,334	12,541	42.7	43.0	42.9	39.7
Field of nursing								
Clinician	25,686	26,399	26,767	29,224	93.3	92.6	93.2	92.5
Administrator	1,502	1,430	1,376	1,550	5.5	5.0	4.8	4.9
Teacher/educator	227	254	247	380	0.8	0.9	0.9	1.2
Researcher	12	10	15	26	—	—	0.1	0.1
Other	109	402	324	423	0.4	1.4	1.1	1.3
Area of clinical nursing (clinicians) ^(b)								
Medical/surgical	14,283	14,140	13,869	15,449	55.6	53.6	51.8	52.9
Operating theatre	4,221	4,158	4,194	4,719	16.4	15.8	15.7	16.1
Intensive care	1,181	1,326	1,549	1,866	4.6	5.0	5.8	6.4
Paediatric	224	244	239	271	0.9	0.9	0.9	1.0
Obstetrics/gynaecology/midwifery	3,096	3,199	3,125	3,399	12.1	12.1	11.7	11.6
Psychiatric/mental health	831	903	922	983	3.2	3.4	3.4	3.4
Geriatric/gerontology	297	614	531	238	1.2	2.3	2.0	0.8
Accident and emergency	144	291	361	478	0.6	1.1	1.3	1.6
Other	1,408	1,526	1,976	1,820	5.5	5.8	7.4	6.2
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	17,057	16,814	17,087	n.a.	73.2	68.9	68.5	..
Other	6,257	7,584	7,849	n.a.	26.8	31.1	31.5	..
Employed nurses per 100,000 population								
Registered nurses	130.7	135.2	134.6	147.8	..	..	..	..
Enrolled nurses	23.7	22.7	20.5	22.8	..	..	..	..
All nurses	154.4	157.9	155.0	170.6	..	..	..	..
Total all nurses	27,536	28,496	28,729	31,602	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 54: Registered and enrolled nurses employed in public nursing homes: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	9,813	8,008	8,344	9,648	48.3	50.8	52.6	54.7
Enrolled nurses	10,514	7,750	7,529	7,997	51.7	49.2	47.4	45.3
Sex ^(a)								
Males	1,051	737	748	784	5.2	4.7	4.7	4.4
Females	19,225	15,022	15,125	16,861	94.8	95.3	95.3	95.6
Geographic location of main job								
Capital city	10,309	7,599	7,884	8,882	50.7	48.2	49.7	50.4
Other metropolitan centre	1,838	1,367	1,291	1,515	9.0	8.7	8.1	8.6
Large rural centre	2,129	1,748	1,499	1,729	10.5	11.1	9.4	9.8
Small rural centre	1,906	1,616	1,618	1,786	9.4	10.3	10.2	10.1
Other rural area	3,845	3,161	3,334	3,410	18.9	20.1	21.0	19.3
Remote centre	113	112	71	125	0.6	0.7	0.4	0.7
Other remote area	187	154	176	198	0.9	1.0	1.1	1.1
Age (years) ^(a)								
Average	42.2	43.0	43.6	44.6	..	..	..	..
<30	2,236	1,533	1,376	1,348	11.0	9.7	8.7	7.6
30–39	6,107	4,381	4,172	3,944	30.1	27.8	26.3	22.4
40–49	7,043	5,641	5,773	6,594	34.7	35.8	36.4	37.4
50–59	4,082	3,506	3,717	4,728	20.1	22.3	23.4	26.8
60+	808	698	835	1,032	4.0	4.4	5.3	5.8
Hours worked per week								
Average	28.8	29.7	30.0	28.8	..	..	..	..
Part-time (<35 hours)	13,589	10,179	10,460	11,785	66.9	64.6	65.9	66.8
Full-time (35 hours+)	6,738	5,579	5,413	5,860	33.1	35.4	34.1	33.2
Field of nursing								
Clinician	19,163	14,319	14,506	15,754	94.3	90.9	91.4	89.3
Administrator	966	741	863	1,286	4.8	4.7	5.4	7.3
Teacher/educator	120	93	77	186	0.6	0.6	0.5	1.1
Researcher	2	2	—	10	—	—	—	0.1
Other	77	604	427	409	0.4	3.8	2.7	2.3
Area of clinical nursing (clinicians) ^(b)								
Medical/surgical	637	504	443	588	3.3	3.5	3.1	3.7
Psychiatric/mental health	318	169	176	277	1.7	1.2	1.2	1.8
Developmental disability	77	117	82	67	0.4	0.8	0.6	0.4
Geriatric/gerontology	17,753	13,213	13,426	14,501	92.6	92.3	92.6	92.0
Community	49	17	17	50	0.3	0.1	0.1	0.3
District/domiciliary	42	36	5	11	0.2	0.3	—	0.1
Occupational health	5	2	17	5	—	—	0.1	—
Private medical/independent practice	5	17	148	9	—	0.1	1.0	0.1
Other	277	243	193	245	1.4	1.7	1.3	1.6
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	5,305	5,054	5,423	n.a.	54.1	63.1	65.0	..
Other	4,508	2,954	2,921	n.a.	45.9	36.9	35.0	..
Employed nurses per 100,000 population								
Registered nurses	55.0	44.4	45.0	52.1	..	..	..	..
Enrolled nurses	58.9	42.9	40.6	43.2	..	..	..	..
All nurses	114.0	87.3	85.7	95.3	..	..	..	..
Total all nurses	20,327	15,758	15,873	17,645	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 55: Registered and enrolled nurses employed in private nursing homes: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	12,608	12,985	11,752	12,289	63.2	64.2	65.0	67.4
Enrolled nurses	7,340	7,226	6,329	5,933	36.8	35.8	35.0	32.6
Sex ^(a)								
Males	645	659	655	696	3.3	3.3	3.6	3.8
Females	19,207	19,553	17,426	17,526	96.7	96.7	96.4	96.2
Geographic location of main job								
Capital city	13,029	13,223	12,313	12,223	65.3	65.4	68.1	67.1
Other metropolitan centre	1,805	1,835	1,283	1,318	9.1	9.1	7.1	7.2
Large rural centre	1,682	1,722	1,353	1,364	8.4	8.5	7.5	7.5
Small rural centre	1,463	1,531	1,367	1,448	7.3	7.6	7.6	7.9
Other rural area	1,804	1,727	1,654	1,667	9.0	8.5	9.1	9.2
Remote centre	122	106	50	122	0.6	0.5	0.3	0.7
Other remote area	43	68	62	80	0.2	0.3	0.3	0.4
Age (years) ^(a)								
Average	42.5	43.2	43.7	44.3	..	..	..	..
<30	1,944	1,717	1,447	1,426	9.8	8.5	8.0	7.8
30–39	5,918	5,558	4,626	4,164	29.8	27.5	25.6	22.9
40–49	7,113	7,638	6,968	7,022	35.8	37.8	38.5	38.5
50–59	4,057	4,396	4,207	4,600	20.4	21.7	23.3	25.2
60+	820	902	833	1,010	4.1	4.5	4.6	5.5
Hours worked per week								
Average	28.0	28.5	29.0	28.4	..	..	..	..
Part-time (<35 hours)	13,781	14,010	12,533	12,601	69.1	69.3	69.3	69.2
Full-time (35 hours+)	6,167	6,202	5,548	5,621	30.9	30.7	30.7	30.8
Field of nursing								
Clinician	18,029	17,650	15,944	15,783	90.4	87.3	88.2	86.6
Administrator	1,661	1,770	1,549	1,696	8.3	8.8	8.6	9.3
Teacher/educator	163	134	120	250	0.8	0.7	0.7	1.4
Researcher	2	2	3	19	—	—	—	0.1
Other	94	655	465	474	0.5	3.2	2.6	2.6
Area of clinical nursing (clinicians) ^(b)								
Medical/surgical	352	471	362	449	2.0	2.7	2.3	2.8
Psychiatric/mental health	146	101	86	178	0.8	0.6	0.5	1.1
Developmental disability	44	65	55	46	0.2	0.4	0.3	0.3
Geriatric/gerontology	17,287	16,852	15,251	14,837	95.9	95.5	95.7	94.0
Community Nursing	23	12	6	21	0.1	0.1	—	0.1
District/domiciliary	15	15	8	5	0.1	0.1	0.1	—
Occupational health	8	7	6	10	—	—	—	0.1
Private medical/independent practice	18	35	39	10	0.1	0.2	0.2	0.1
Other	138	94	128	226	0.8	0.5	0.8	1.4
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	7,879	8,120	7,358	n.a.	62.5	62.5	62.6	..
Other	4,729	4,865	4,394	n.a.	37.5	37.5	37.4	..
Employed nurses per 100,000 population								
Registered nurses	70.7	71.9	63.4	66.4	..	..	..	..
Enrolled nurses	41.2	40.0	34.2	32.0	..	..	..	..
All nurses	111.8	112.0	97.6	98.4	..	..	..	..
Total all nurses	19,948	20,211	18,081	18,222	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 56: Registered and enrolled nurses employed in community health centres: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	8,760	9,325	9,557	11,519	91.3	91.4	91.7	91.7
Enrolled nurses	835	881	868	1,045	8.7	8.6	8.3	8.3
Sex ^(a)								
Males	837	903	923	1,152	9.0	8.8	8.9	9.2
Females	8,432	9,303	9,502	11,412	91.0	91.2	91.1	90.8
Geographic location of main job								
Capital city	4,902	5,100	5,521	6,464	51.1	50.0	53.0	51.5
Other metropolitan centre	806	783	707	953	8.4	7.7	6.8	7.6
Large rural centre	720	764	734	946	7.5	7.5	7.0	7.5
Small rural centre	807	999	1,003	1,219	8.4	9.8	9.6	9.7
Other rural area	1,708	1,842	1,999	2,189	17.8	18.0	19.2	17.4
Remote centre	124	150	40	184	1.3	1.5	0.4	1.5
Other remote area	527	569	421	609	5.5	5.6	4.0	4.8
Age (years) ^(a)								
Average	41.5	41.9	42.4	42.9	..	..	..	..
<30	731	784	712	893	7.9	7.7	6.8	7.1
30–39	3,420	3,598	3,478	3,777	36.9	35.3	33.4	30.1
40–49	3,255	3,708	4,000	4,922	35.1	36.3	38.4	39.2
50–59	1,626	1,836	1,955	2,559	17.5	18.0	18.8	20.4
60+	236	279	280	414	2.5	2.7	2.7	3.3
Hours worked per week								
Average	33.7	33.9	34.5	32.4	..	..	..	..
Part-time (<35 hours)	3,445	3,728	3,955	5,282	35.9	36.5	37.9	42.0
Full-time (35 hours+)	6,150	6,478	6,470	7,282	64.1	63.5	62.1	58.0
Field of nursing								
Clinician	8,998	9,211	9,472	10,996	93.8	90.3	90.9	87.5
Administrator	328	440	429	789	3.4	4.3	4.1	6.3
Teacher/educator	160	169	165	338	1.7	1.7	1.6	2.7
Researcher	7	22	19	44	0.1	0.2	0.2	0.3
Other	101	363	338	397	1.0	3.6	3.2	3.2
Area of clinical nursing (clinicians) ^(b)								
Medical/surgical	603	598	536	868	6.7	6.5	5.7	7.9
Psychiatric/mental health	1,163	1,157	1,211	1,549	12.9	12.6	12.8	14.1
Geriatric/gerontology	577	687	686	603	6.4	7.5	7.2	5.5
Community nursing	4,077	3,745	3,838	4,993	45.3	40.7	40.5	45.4
Child health	795	924	983	1,029	8.8	10.0	10.4	9.4
District/domiciliary	794	886	972	143	8.8	9.6	10.3	7.8
Obstetrics/gynaecology/midwifery	75	125	104	861	0.8	1.4	1.1	1.3
Private medical/independent practice	47	30	64	7	0.5	0.3	0.7	0.1
Other	868	1,059	1,079	944	9.6	11.5	11.4	8.6
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	3,690	4,077	4,018	n.a.	42.1	43.7	42.0	..
Other	5,070	5,247	5,539	n.a.	57.9	56.3	58.0	..
Employed nurses per 100,000 population								
Registered nurses	49.1	51.7	52.9	62.2	..	..	..	..
Enrolled nurses	4.7	4.9	4.8	5.6	..	..	..	..
All nurses	53.8	56.5	57.8	67.8	..	..	..	..
Total all nurses	9,595	10,206	10,425	12,564	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 57: Registered and enrolled nurses employed in private medical rooms: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	4,995	5,236	5,273	5,372	78.8	78.6	78.5	78.8
Enrolled nurses	1,347	1,429	1,447	1,443	21.2	21.4	21.5	21.2
Sex ^(a)								
Males	32	45	50	54	0.5	0.7	0.7	0.8
Females	6,268	6,621	6,670	6,761	99.5	99.3	99.3	99.2
Geographic location of main job								
Capital city	3,895	4,025	4,274	4,253	61.4	60.4	63.6	62.4
Other metropolitan centre	531	577	465	444	8.4	8.7	6.9	6.5
Large rural centre	612	645	536	562	9.6	9.7	8.0	8.2
Small rural centre	543	582	599	625	8.6	8.7	8.9	9.2
Other rural area	624	682	724	775	9.8	10.2	10.8	11.4
Remote centre	70	71	48	87	1.1	1.1	0.7	1.3
Other remote area	67	83	74	69	1.1	1.2	1.1	1.0
Age (years) ^(a)								
Average	41.6	41.8	42.0	42.6	..	..	..	..
<30	551	531	560	502	8.7	8.0	8.3	7.4
30–39	2,275	2,368	2,271	2,235	36.1	35.5	33.8	32.8
40–49	2,206	2,408	2,472	2,515	35.0	36.1	36.8	36.9
50–59	1,035	1,120	1,155	1,312	16.4	16.8	17.2	19.2
60+	232	239	262	251	3.7	3.6	3.9	3.7
Hours worked per week								
Average	25.3	26.2	26.7	25.8	..	..	..	..
Part-time (<35 hours)	4,521	4,679	4,728	4,853	71.3	70.2	70.4	71.2
Full-time (35 hours+)	1,821	1,987	1,992	1,962	28.7	29.8	29.6	28.8
Field of nursing								
Clinician	5,934	5,706	5,874	5,434	93.6	85.6	87.4	79.7
Administrator	67	143	165	563	1.1	2.1	2.5	8.3
Teacher/educator	21	11	18	43	0.3	0.2	0.3	0.6
Researcher	14	23	15	35	0.2	0.3	0.2	0.5
Other	305	782	647	740	4.8	11.7	9.6	10.9
Area of clinical nursing (clinicians)								
Medical/surgical	1,374	1,325	1,253	1,732	23.1	23.2	21.3	31.9
Obstetrics/gynaecology/midwifery	149	159	173	198	2.5	2.8	2.9	3.6
Private medical/independent practice	3,674	3,538	3,752	2,087	61.9	62.0	63.9	38.4
Operating theatre	68	64	76	59	1.1	1.1	1.3	1.1
Accident and emergency	76	105	77	89	1.3	1.8	1.3	1.6
Community nursing	83	56	69	133	1.4	1.0	1.2	2.4
Occupational health	16	31	23	25	0.3	0.5	0.4	0.5
Other	494	429	452	1,110	8.3	7.5	7.7	20.4
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	4,068	4,193	4,145	n.a.	81.4	80.1	78.6	..
Other	927	1,043	1,128	n.a.	18.6	19.9	21.4	..
Employed nurses per 100,000 population								
Registered nurses	28.0	29.0	29.2	29.0	..	..	..	..
Enrolled nurses	7.5	7.9	8.0	7.8	..	..	..	..
All nurses	35.6	36.9	37.2	36.8	..	..	..	..
Total all nurses	6,341	6,665	6,720	6,815	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for area of clinical nursing and classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 58: Registered and enrolled nurses employed in community/district/domiciliary nursing: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	8,956	7,076	8,005	7,408	92.5	91.0	91.2	89.3
Enrolled nurses	728	698	773	887	7.5	9.0	8.8	10.7
Sex ^(a)								
Males	345	280	361	365	3.6	3.6	4.1	4.4
Females	9,124	7,494	8,417	7,930	96.4	96.4	95.9	95.6
Geographic location of main job								
Capital city	4,870	4,106	4,778	4,483	51.4	52.8	54.4	54.0
Other metropolitan centre	592	446	429	401	6.2	5.7	4.9	4.8
Large rural centre	774	592	581	626	8.2	7.6	6.6	7.5
Small rural centre	853	713	792	753	9.0	9.2	9.0	9.1
Other rural area	1,795	1,561	1,801	1,498	19.0	20.1	20.5	18.1
Remote centre	166	77	80	142	1.8	1.0	0.9	1.7
Other remote area	418	279	318	392	4.4	3.6	3.6	4.7
Age (years) ^(a)								
Average	41.7	42.4	42.4	41.8	..	..	..	..
<30	853	676	715	857	9.0	8.7	8.1	10.3
30–39	3,431	2,721	2,967	2,611	36.2	35.0	33.8	31.5
40–49	3,197	2,763	3,172	2,953	33.8	35.5	36.1	35.6
50–59	1,714	1,417	1,661	1,641	18.1	18.2	18.9	19.8
60+	274	196	263	233	2.9	2.5	3.0	2.8
Hours worked per week								
Average	27.9	28.6	32.1	30.2	..	..	..	..
Part-time (<35 hours)	4,676	3,802	4,314	4,451	49.4	48.9	49.1	53.7
Full-time (35 hours+)	4,793	3,972	4,464	3,844	50.6	51.1	50.9	46.3
Work setting of main job								
Public sector								
Hospital	521	312	325	1,356	5.5	4.0	3.7	16.3
Hospice	83	44	25	66	0.9	0.6	0.3	0.8
Community health centres	4,997	4,260	3,490	4,143	52.8	54.8	39.8	49.9
Agency	167	110	115	24	1.8	1.4	1.3	0.3
School	60	163	166	34	0.6	2.1	1.9	0.4
Other	2,050	1,629	3,192	1,207	21.6	21.0	36.4	14.5
Private sector								
Nursing home	36	23	115	21	0.4	0.3	1.3	0.2
Agency	318	218	111	47	3.4	2.8	1.3	0.6
Nursing practice	252	218	134	141	2.7	2.8	1.5	1.7
Private industry	45	46	116	34	0.5	0.6	1.3	0.4
Other	940	749	990	1,222	9.9	9.6	11.3	14.7
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	4,471	3,647	4,076	n.a.	49.9	51.5	50.9	..
Other	4,485	3,429	3,929	n.a.	50.1	48.5	49.1	..
Employed nurses per 100,000 population								
Registered nurses	50.2	39.2	43.2	40.0	..	..	..	..
Enrolled nurses	4.1	3.9	4.2	4.8	..	..	..	..
All nurses	54.3	43.1	47.4	44.8	..	..	..	..
Total all nurses	9,684	7,774	8,778	8,295	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 59: Registered and enrolled nurses employed as clinicians in geriatrics/gerontology: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	22,663	22,129	22,111	20,662	54.8	57.2	57.8	58.4
Enrolled nurses	18,671	16,533	16,160	14,632	45.2	42.8	42.2	41.6
Sex ^(a)								
Males	1,622	1,503	1,540	1,446	3.9	3.9	4.0	4.1
Females	39,586	37,160	36,731	33,848	96.1	96.1	96.0	95.9
Geographic location of main job								
Capital city	23,229	21,374	21,683	20,061	56.2	55.3	56.7	56.8
Other metropolitan centre	3,614	3,441	2,817	2,404	8.7	8.9	7.4	6.8
Large rural centre	3,860	3,663	3,203	3,045	9.3	9.5	8.4	8.6
Small rural centre	3,533	3,434	3,465	3,130	8.5	8.9	9.1	8.9
Other rural area	6,581	6,170	6,567	5,996	15.9	16.0	17.2	17.0
Remote centre	176	225	123	251	0.4	0.6	0.3	0.7
Other remote area	342	356	413	408	0.8	0.9	1.1	1.2
Age (years) ^(a)								
Average	41.7	42.4	42.9	43.5	..	..	..	..
<30	4,752	3,962	3,776	1,991	11.5	10.2	9.9	5.6
30–39	12,928	11,537	10,530	5,548	31.4	29.8	27.5	15.7
40–49	14,103	13,715	13,992	8,344	34.2	35.5	36.6	23.6
50–59	7,863	7,945	8,306	5,288	19.1	20.6	21.7	15.0
60+	1,563	1,503	1,668	1,034	3.8	3.9	4.4	2.9
Hours worked per week								
Average	27.9	28.6	29.3	27.8	..	..	..	..
Part-time (<35 hours)	28,887	26,496	26,275	25,319	69.9	68.5	68.7	71.7
Full-time (35 hours+)	12,448	12,166	11,996	9,975	30.1	31.5	31.3	28.3
Work setting of main job								
Public sector								
Hospital	3,886	4,360	4,536	3,589	9.4	11.3	11.9	10.2
Nursing home	16,458	12,696	13,007	14,020	39.8	32.8	34.0	39.7
Community health centres	597	731	716	562	1.4	1.9	1.9	1.6
Other	1,512	1,396	1,738	994	3.7	3.6	4.5	2.8
Total	22,453	19,182	19,997	19,165	54.3	49.6	52.3	54.3
Private sector								
Hospital	299	668	578	246	0.7	1.7	1.5	0.7
Nursing home	16,620	16,858	15,247	14,616	40.2	43.6	39.8	41.4
Hostel	763	845	1,218	547	1.8	2.2	3.2	1.5
Agency	508	512	440	198	1.2	1.3	1.2	0.6
Nursing practice	375	336	416	199	0.9	0.9	1.1	0.6
Other	316	260	374	323	0.8	0.7	1.0	0.9
Total	18,881	19,480	18,274	16,129	45.7	50.4	47.7	45.7
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	15,066	15,807	16,026	n.a.	66.5	71.4	72.5	..
Other	7,597	6,322	6,085	n.a.	33.5	28.6	27.5	..
Employed nurses per 100,000 population								
Registered nurses	127.1	122.6	119.3	111.5	..	..	..	..
Enrolled nurses	104.7	91.6	87.2	79.0	..	..	..	..
All nurses	231.7	214.2	206.5	190.5	..	..	..	..
Total all nurses	41,334	38,662	38,271	35,294	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 60: Registered and enrolled nurses employed as clinicians in medical and surgical nursing: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	51,731	50,733	49,526	46,829	76.1	76.4	77.3	75.8
Enrolled nurses	16,259	15,693	14,528	14,931	23.9	23.6	22.7	24.2
Sex ^(a)								
Males	3,834	3,819	3,591	3,240	5.7	5.7	5.6	5.2
Females	63,762	62,607	60,463	58,520	94.3	94.3	94.4	94.8
Geographic location of main job								
Capital city	39,816	38,563	39,158	36,624	58.6	58.1	61.1	59.3
Other metropolitan centre	5,263	5,321	4,406	3,972	7.7	8.0	6.9	6.4
Large rural centre	6,728	6,846	5,549	5,616	9.9	10.3	8.7	9.1
Small rural centre	5,181	4,929	4,889	4,970	7.6	7.4	7.6	8.1
Other rural area	8,973	8,518	8,621	8,382	13.2	12.8	13.5	13.6
Remote centre	715	797	302	823	1.1	1.2	0.5	1.3
Other remote area	1,315	1,453	1,129	1,373	1.9	2.2	1.8	2.2
Age (years) ^(a)								
Average	36.6	36.8	37.3	37.6	..	..	..	..
<30	18,281	18,114	16,691	15,908	27.0	27.3	26.1	25.8
30–39	25,054	23,397	21,810	20,297	37.1	35.2	34.0	32.9
40–49	16,917	17,534	17,774	17,496	25.0	26.4	27.7	28.3
50–59	6,472	6,484	6,858	7,119	9.6	9.8	10.7	11.5
60+	873	898	921	940	1.3	1.4	1.4	1.5
Hours worked per week								
Average	32.4	32.5	33.2	31.3	..	..	..	..
Part-time (<35 hours)	32,173	31,984	31,338	32,873	47.3	48.1	48.9	53.2
Full-time (35 hours+)	35,818	34,443	32,716	28,887	52.7	51.9	51.1	46.8
Work setting of main job								
Public sector								
Hospital	44,995	43,970	42,030	39,795	66.2	66.2	65.6	64.4
Nursing home	589	459	415	463	0.9	0.7	0.6	0.7
Community health centres	622	604	543	722	0.9	0.9	0.8	1.2
Agency	695	756	824	316	1.0	1.1	1.3	0.5
Other	2,744	2,153	2,048	1,672	4.0	3.2	3.2	2.7
Total	49,644	47,942	45,861	42,968	73.0	72.2	71.6	69.6
Private sector								
Hospital	14,344	14,603	14,619	15,112	21.1	22.0	22.8	24.5
Nursing home	337	447	351	364	0.5	0.7	0.5	0.6
Day procedure centre	409	492	543	519	0.6	0.7	0.8	0.8
Medical (Doctor's rooms)	1,315	1,272	1,221	1,493	1.9	1.9	1.9	2.4
Agency	974	874	724	672	1.4	1.3	1.1	1.1
Other	968	796	736	632	1.4	1.2	1.1	1.0
Total	18,347	18,484	18,193	18,792	27.0	27.8	28.4	30.4
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	40,328	39,553	38,402	n.a.	78.0	78.0	77.5	..
Other	11,403	11,180	11,124	n.a.	22.0	22.0	22.5	..
Employed nurses per 100,000 population								
Registered nurses	290.0	281.0	267.2	252.8	..	..	..	..
Enrolled nurses	91.2	86.9	78.4	80.6	..	..	..	..
All nurses	381.2	368.0	345.6	333.4	..	..	..	..
Total all nurses	67,991	66,426	64,054	61,760	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 61: Registered and enrolled nurses employed as clinicians in psychiatry/mental health: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
	(per cent)							
Type of nurse								
Registered nurses	9,408	9,428	9,415	10,113	82.9	83.8	83.7	82.3
Enrolled nurses	1,944	1,820	1,840	2,181	17.1	16.2	16.3	17.7
Sex ^(a)								
Males	4,026	3,920	3,845	4,171	35.5	34.9	34.2	33.9
Females	7,326	7,327	7,410	8,123	64.5	65.1	65.8	66.1
Geographic location of main job								
Capital city	7,767	7,634	7,868	8,351	68.4	67.9	69.9	67.9
Other metropolitan centre	818	835	710	903	7.2	7.4	6.3	7.3
Large rural centre	1,589	1,616	1,540	1,780	14.0	14.4	13.7	14.5
Small rural centre	669	643	595	637	5.9	5.7	5.3	5.2
Other rural area	461	452	495	540	4.1	4.0	4.4	4.4
Remote centre	33	21	12	48	0.3	0.2	0.1	0.4
Other remote area	15	47	35	35	0.1	0.4	0.3	0.3
Age (years) ^(a)								
Average	39.4	39.7	40.3	40.7	..	..	..	..
<30	1,522	1,534	1,472	1,560	13.4	13.6	13.1	12.7
30–39	4,448	4,206	3,904	3,891	39.2	37.4	34.7	31.6
40–49	3,728	3,856	4,110	4,734	32.8	34.3	36.5	38.5
50–59	1,317	1,417	1,495	1,801	11.6	12.6	13.3	14.7
60+	248	235	274	308	2.2	2.1	2.4	2.5
Hours worked per week								
Average	37.0	37.4	37.7	36.0	..	..	..	..
Part-time (<35 hours)	2,600	2,586	2,767	3,402	22.9	23.0	24.6	27.7
Full-time (35 hours+)	8,752	8,662	8,488	8,892	77.1	77.0	75.4	72.3
Work setting of main job								
Public sector								
Hospital	7,766	8,107	8,189	7,754	68.4	72.1	72.8	63.1
Nursing home	292	153	128	254	2.6	1.4	1.1	2.1
Community health centres	1,193	1,159	599	1,414	10.5	10.3	5.3	11.5
Developmental disability service	99	190	73	158	0.9	1.7	0.6	1.3
Other	857	493	1,154	1,357	7.6	4.4	10.3	11.0
Total	10,207	10,101	10,142	10,937	89.9	89.8	90.1	89.0
Private sector								
Hospital	830	925	707	980	7.3	8.2	6.3	8.0
Nursing home	139	95	46	133	1.2	0.8	0.4	1.0
Other	176	126	360	244	1.6	1.1	3.2	2.0
Total	1,145	1,146	1,113	1,357	10.1	10.2	9.9	11.0
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	6,535	6,994	6,901	n.a.	69.5	74.2	73.3	..
Other	2,873	2,434	2,514	n.a.	30.5	25.8	26.7	..
Employed nurses per 100,000 population								
Registered nurses	52.7	52.2	50.8	54.6	..	..	..	..
Enrolled nurses	10.9	10.1	9.9	11.8	..	..	..	..
All nurses	63.6	62.3	60.7	66.4	..	..	..	..
Total all nurses	11,352	11,247	11,255	12,294	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 62: Registered and enrolled nurses employed as clinicians in midwifery, obstetrics and gynaecology: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
	(per cent)							
Type of nurse								
Registered nurses	14,095	14,839	14,067	13,675	95.2	96.0	96.1	96.4
Enrolled nurses	711	614	575	517	4.8	4.0	3.9	3.6
Sex ^(a)								
Males	173	160	131	142	1.2	1.0	0.9	1.0
Females	14,633	15,293	14,511	14,050	98.8	99.0	99.1	99.0
Geographic location of main job								
Capital city	9,699	10,234	10,137	9,678	65.5	66.2	69.2	68.2
Other metropolitan centre	1,205	1,214	1,044	937	8.1	7.9	7.1	6.6
Large rural centre	1,598	1,746	1,357	1,309	10.8	11.3	9.3	9.2
Small rural centre	1,079	1,060	1,004	979	7.3	6.9	6.9	6.9
Other rural area	938	888	939	943	6.3	5.7	6.4	6.6
Remote centre	193	179	75	212	1.3	1.2	0.5	1.5
Other remote area	94	132	86	134	0.6	0.9	0.6	1.0
Age (years) ^(a)								
Average	38.3	38.6	39.4	40.2	..	..	..	..
<30	2,003	1,886	1,580	1,390	13.5	12.2	10.8	9.8
30–39	6,908	7,228	6,484	5,844	46.7	46.8	44.3	41.2
40–49	4,114	4,565	4,700	4,786	27.8	29.5	32.1	33.7
50–59	1,434	1,596	1,688	1,919	9.7	10.3	11.5	13.5
60+	170	178	191	253	1.1	1.2	1.3	1.8
Hours worked per week								
Average	30.6	30.6	30.8	28.9	..	..	..	..
Part-time (<35 hours)	8,087	8,559	8,363	8,867	54.6	55.4	57.1	62.5
Full-time (35 hours+)	6,719	6,893	6,279	5,325	45.4	44.6	42.9	37.5
Work setting of main job								
Public sector								
Hospital	10,590	11,177	10,583	9,598	71.5	72.3	72.3	67.6
Community health centres	75	123	101	700	0.5	0.8	0.7	4.9
Agency	152	136	131	16	1.0	0.9	0.9	0.1
Other	469	344	269	394	3.2	2.2	1.8	2.8
Total	11,287	11,780	11,082	10,708	76.2	76.2	75.7	75.4
Private sector								
Hospital	3,017	3,241	3,142	3,039	20.4	21.0	21.5	21.4
Medical (Doctor's rooms)	139	150	161	132	0.9	1.0	1.1	1.0
Agency	103	86	50	85	0.7	0.6	0.3	0.6
Other	261	196	207	228	1.8	1.3	1.4	1.6
Total	3,519	3,673	3,560	3,484	23.8	23.8	24.3	24.6
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	10,838	7,559	7,183	n.a.	76.9	50.9	51.1	..
Other	3,258	7,280	6,884	n.a.	23.1	49.1	48.9	..
Employed nurses per 100,000 population								
Registered nurses	79.0	82.2	75.9	73.8	..	..	..	..
Enrolled nurses	4.0	3.4	3.1	2.8	..	..	..	..
All nurses	83.0	85.6	79.0	76.6	..	..	..	..
Total all nurses	14,806	15,453	14,642	14,192	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 63: Registered and enrolled nurses employed as clinicians in operating theatre nursing: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
					(per cent)			
Type of nurse								
Registered nurses	10,538	10,652	11,222	11,795	82.1	82.3	83.4	84.4
Enrolled nurses	2,299	2,284	2,229	2,180	17.9	17.7	16.6	15.6
Sex ^(a)								
Males	744	777	782	889	5.8	6.0	5.8	6.4
Females	12,093	12,159	12,669	13,086	94.9	94.0	94.2	93.6
Geographic location of main job								
Capital city	8,651	8,663	9,423	9,705	67.4	67.0	70.1	69.4
Other metropolitan centre	1,169	1,175	1,011	1,073	9.1	9.1	7.5	7.7
Large rural centre	1,494	1,522	1,381	1,456	11.6	11.8	10.3	10.4
Small rural centre	831	860	912	964	6.5	6.6	6.8	6.9
Other rural area	576	576	666	650	4.5	4.5	5.0	4.7
Remote centre	77	95	28	88	0.6	0.7	0.2	0.6
Other remote area	38	45	30	39	0.3	0.3	0.2	0.3
Age (years) ^(a)								
Average	37.8	37.8	38.3	38.4	..	..	..	..
<30	2,404	2,633	2,612	2,838	18.9	20.4	19.4	20.3
30–39	5,368	5,117	5,131	4,939	42.1	39.6	38.1	35.3
40–49	3,561	3,750	4,068	4,358	28.0	29.0	30.2	31.2
50–59	1,287	1,301	1,483	1,683	10.1	10.1	11.0	12.0
60+	117	135	158	157	0.9	1.0	1.2	1.1
Hours worked per week								
Average	34.0	33.7	34.3	32.6	..	..	..	..
Part-time (<35 hours)	5,312	5,444	5,780	6,441	41.4	42.1	43.0	46.1
Full-time (35 hours+)	7,525	7,492	7,671	7,534	58.6	57.9	57.0	53.9
Work setting of main job								
Public sector								
Hospital	7,432	7,393	7,685	7,949	57.9	57.2	57.1	56.9
Day procedure	168	250	382	241	1.3	1.9	2.8	1.7
Other	275	225	212	128	2.1	1.7	1.6	0.9
Total	7,875	7,869	8,279	8,318	61.3	60.8	61.5	59.5
Private sector								
Hospital	4,212	4,218	4,346	4,839	32.8	32.6	32.3	34.6
Day procedure	468	528	484	611	3.6	4.1	3.6	4.4
Medical rooms	65	60	73	65	0.5	0.5	0.5	0.5
Nursing practice	52	69	93	39	0.4	0.5	0.7	0.3
Other	283	321	342	102	2.2	2.5	2.5	0.7
Total	5,079	5,197	5,337	5,657	39.6	40.2	39.7	40.5
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	7,745	7,588	8,048	n.a.	73.5	71.2	71.7	..
Other	2,793	3,064	3,174	n.a.	26.5	28.8	28.3	..
Employed nurses per 100,000 population								
Registered nurses	59.1	59.0	60.6	63.7	..	..	..	..
Enrolled nurses	12.9	12.7	12.0	11.7	..	..	..	..
All nurses	72.0	71.7	72.6	75.4	..	..	..	..
Total all nurses	12,837	12,936	13,451	13,975	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 64: Registered and enrolled nurses employed as clinicians in intensive care nursing: characteristics, Australia, 1994 to 1997

Characteristics	1994	1995	1996	1997	1994	1995	1996	1997
	(per cent)							
Type of nurse								
Registered nurses	8,876	9,099	9,610	9,261	98.3	98.3	98.5	97.8
Enrolled nurses	154	158	145	211	1.7	1.7	1.5	2.2
Sex ^(a)								
Males	960	1,017	1,123	1,149	10.6	11.0	11.5	12.1
Females	8,070	8,241	8,632	8,323	89.4	89.0	88.5	87.9
Geographic location of main job								
Capital city	6,811	7,044	7,483	7,299	75.4	76.1	76.7	77.1
Other metropolitan centre	709	750	763	737	7.8	8.1	7.8	7.8
Large rural centre	765	753	756	735	8.5	8.1	7.7	7.8
Small rural centre	554	534	564	513	6.1	5.8	5.8	5.4
Other rural area	150	151	157	111	1.7	1.6	1.6	1.2
Remote centre	30	13	20	56	0.3	0.1	0.2	0.6
Other remote area	11	14	12	21	0.1	0.2	0.1	0.2
Age (years) ^(a)								
Average	34.2	34.3	34.7	34.9	..	..	..	..
<30	2,709	2,855	2,993	2,752	30.0	30.8	30.7	29.1
30–39	4,329	4,270	4,355	4,174	47.9	46.1	44.6	44.1
40–49	1,658	1,793	2,005	2,092	18.4	19.4	20.6	22.1
50–59	325	320	370	418	3.6	3.5	3.8	4.4
60+	9	20	33	36	0.1	0.2	0.3	0.4
Hours worked per week								
Average	34.5	33.9	34.8	33.2				
Part-time (<35 hours)	3,608	3,925	4,302	4,440	40.0	42.4	44.1	46.9
Full-time (35 hours+)	5,422	5,333	5,453	5,032	60.0	57.6	55.9	53.1
Work setting of main job								
Public sector								
Hospital	7,522	7,597	7,851	7,426	83.3	82.1	80.5	78.4
Agency	53	110	119	38	0.6	1.2	1.2	0.4
Other	139	76	94	96	1.5	0.8	1.0	1.0
Total	7,714	7,783	8,064	7,559	85.4	84.1	82.7	79.8
Private sector								
Hospital	1,140	1,320	1,522	1,739	12.6	14.3	15.6	18.4
Agency	152	125	125	123	1.7	1.3	1.3	1.3
Other	24	30	44	51	0.3	0.3	0.4	0.5
Total	1,316	1,474	1,691	1,913	14.6	15.9	17.3	20.2
Classification of main job (registered nurses) ^(b)								
Level 1 registered nurse	6,566	6,141	6,555	n.a.	74.0	67.5	68.2	..
Other	2,310	2,959	3,055	n.a.	26.0	32.5	31.8	..
Employed nurses per 100,000 population								
Registered nurses	49.7	50.4	52.5	50.0	..	..	..	..
Enrolled nurses	0.9	0.9	0.8	1.1	..	..	..	..
All nurses	50.6	51.2	53.3	51.1	..	..	..	..
Total all nurses	9,030	9,258	9,755	9,472	100.0	100.0	100.0	100.0

(a) Excludes data for the Northern Territory for 1994. Percentages have been calculated excluding the NT.

(b) 1997 data for classification of main job are not strictly comparable with previous years. Refer to glossary.

Source: AIHW.

Table 65: Nursing course commencements: type and level of course, residency and year of commencement, Australia, 1990 to 1999

Type/level of course	1990	1991	1992	1993	1994	1995	1996	1997 ^(a)	1998	1999
Australian citizens and permanent resident students										
Basic nursing										
Bachelor (postgraduate)	—	—	—	—	—	—	—	12	13	18
Bachelor (pass/honours)	184	779	8,232	7,889	7,264	7,088	6,818	6,881	7,368	7,370
Diploma/other	7,635	8,546	347	121	13	11	3	6	—	—
<i>Total basic nursing</i>	<i>7,819</i>	<i>9,325</i>	<i>8,579</i>	<i>8,010</i>	<i>7,277</i>	<i>7,099</i>	<i>6,821</i>	<i>6,899</i>	<i>7,381</i>	<i>7,388</i>
Per cent female	86.6	85.6	85.3	84.9	85.5	84.6	84.7	85.7	86.1	86.3
Post-basic nursing										
PhD/Masters/higher doctorate	135	261	293	434	458	637	693	872	841	843
Postgraduate qualifying	12	43	12	14	3	—	3	—	—	—
Postgraduate diploma	354	501	692	1,034	1,397	1,843	2,038	2,075	1,725	1,757
Bachelor (postgraduate)	—	98	—	—	115	108	47	7	59	171
Bachelor (pass/honours)	2,969	3,148	3,866	3,962	3,705	3,670	2,964	1,942	1,484	1,027
Graduate certificate	—	46	87	233	225	301	439	337	488	445
Diploma/assoc. dip./other	135	15	7	15	8	18	19	23	11	24
<i>Total post-basic nursing</i>	<i>3,605</i>	<i>4,112</i>	<i>4,957</i>	<i>5,692</i>	<i>5,911</i>	<i>6,577</i>	<i>6,203</i>	<i>5,256</i>	<i>4,608</i>	<i>4,267</i>
Per cent female	88.8	89.3	89.2	91.0	91.3	89.7	89.9	89.7	89.9	89.6
Total	11,424	13,437	13,536	13,702	13,188	13,676	13,024	12,155	11,989	11,655
Per cent female	87.3	86.8	86.7	87.4	88.1	87.1	87.2	87.4	87.6	87.5
Overseas students										
Basic nursing										
Bachelor (pass/honours)	6	28	389	354	465	441	429	429	371	415
Diploma/other	170	194	19	13	—	—	—	—	—	—
<i>Total basic nursing</i>	<i>176</i>	<i>222</i>	<i>408</i>	<i>367</i>	<i>465</i>	<i>441</i>	<i>429</i>	<i>429</i>	<i>371</i>	<i>415</i>
Per cent female	92.0	86.0	85.8	87.7	87.1	88.7	90.4	94.4	88.2	88.4
Post-basic nursing										
PhD/Masters/higher doctorate	3	14	17	31	38	36	46	90	140	163
Postgraduate qualifying	—	1	—	2	—	—	—	—	—	—
Postgraduate diploma	10	18	28	33	47	63	54	44	61	56
Bachelor (postgraduate)	—	2	—	—	17	3	17	4	2	2
Bachelor (pass/honours)	206	266	389	276	260	398	480	821	1,077	1,008
Graduate certificate	—	1	2	3	3	5	18	26	12	16
Diploma/assoc. dip./other	31	29	—	1	—	1	1	—	—	3
<i>Total post-basic nursing</i>	<i>250</i>	<i>331</i>	<i>436</i>	<i>346</i>	<i>365</i>	<i>506</i>	<i>616</i>	<i>985</i>	<i>1,292</i>	<i>1,248</i>
Per cent female	90.8	91.9	90.2	92.5	91.8	92.1	95.5	92.7	92.3	93.0
Total	426	553	844	713	830	947	1,045	1,414	1,664	1,663
Per cent female	91.3	89.5	88.0	90.0	89.2	90.5	93.4	93.2	91.3	91.9
(overseas students as a percentage of all students)										
Basic nursing										
Bachelor (pass/honours)	4.6	3.2	4.5	4.3	6.0	5.9	5.9	5.9	4.8	5.3
Diploma/other	2.2	2.2	5.2	9.7	—	—	—	—	—	—
<i>Total basic nursing</i>	<i>2.2</i>	<i>2.2</i>	<i>4.5</i>	<i>4.4</i>	<i>6.0</i>	<i>5.8</i>	<i>5.9</i>	<i>5.9</i>	<i>4.8</i>	<i>5.3</i>
Post-basic nursing										
PhD/Masters/higher doctorate	2.2	2.2	5.5	6.7	7.7	5.3	6.2	9.4	14.3	16.2
Postgraduate qualifying	—	—	—	12.5	—	—	—	—	—	—
Postgraduate diploma	2.7	2.7	3.9	3.1	3.3	3.3	2.6	2.1	3.4	3.1
Bachelor (postgraduate)	—	—	—	—	12.9	2.7	26.6	36.4	3.3	1.2
Bachelor (pass/honours)	6.5	6.5	9.1	6.5	6.6	9.8	13.9	29.7	42.1	49.5
Graduate certificate	—	—	2.2	1.3	1.3	1.6	3.9	7.2	2.4	3.5
Diploma/assoc. dip./other	18.7	18.7	—	6.3	—	5.3	5.0	—	—	11.1
<i>Total post-basic nursing</i>	<i>6.5</i>	<i>6.5</i>	<i>8.1</i>	<i>5.7</i>	<i>5.8</i>	<i>7.1</i>	<i>9.0</i>	<i>15.8</i>	<i>21.9</i>	<i>22.6</i>
Total	3.6	3.6	5.9	4.9	5.9	6.5	7.4	10.4	12.2	12.5

(a) Includes New Zealand citizens, which were included with Australian permanent resident students data for 1997 by DETYA. Numbers, however, are small because New Zealand citizens are required to pay HECS fees up front at Australian universities.

Note: Some courses have been re-classified from basic nursing to post-basic nursing, and vice versa. Therefore these figures may not match previously published data.

Source: AIHW analysis of DETYA unpublished data.

Table 66: Nursing course enrolments: type and level of course, residency and year of enrolment, Australia, 1990 to 1999

Type/level of course	1990	1991	1992	1993	1994	1995	1996	1997 ^(a)	1998	1999
Australian permanent resident students										
Basic nursing										
Bachelor (postgraduate)	—	—	—	—	—	—	—	12	24	31
Bachelor (pass/honours)	347	1,239	14,470	20,755	21,015	19,663	18,871	18,757	19,200	19,598
Diploma/other	17,919	20,405	8,228	2,320	257	66	10	12	—	—
<i>Total basic nursing</i>	<i>18,266</i>	<i>21,644</i>	<i>22,698</i>	<i>23,075</i>	<i>21,272</i>	<i>19,729</i>	<i>18,881</i>	<i>18,781</i>	<i>19,224</i>	<i>19,629</i>
Per cent female	86.9	86.7	86.4	86.0	86.2	86.0	85.7	85.9	86.2	86.7
Post-basic nursing										
PhD/Masters/higher doctorate	265	472	605	821	954	1,217	1,351	1,669	1,660	1,685
Postgraduate qualifying	12	62	17	19	5	—	3	—	—	—
Postgraduate diploma	463	753	1,073	1,511	2,088	2,641	3,205	3,226	2,847	2,667
Bachelor (postgraduate)	—	348	—	—	189	192	125	48	59	201
Bachelor (pass/honours)	5,635	6,827	8,442	8,682	7,846	7,638	6,615	5,075	3,911	3,008
Graduate certificate	—	46	106	251	272	321	485	401	531	516
Diploma/assoc. dip./other	355	20	31	15	8	20	27	30	13	25
<i>Total post-basic nursing</i>	<i>6,730</i>	<i>8,528</i>	<i>10,274</i>	<i>11,299</i>	<i>11,362</i>	<i>12,029</i>	<i>11,811</i>	<i>10,449</i>	<i>9,021</i>	<i>8,102</i>
Per cent female	88.6	89.2	89.8	90.6	91.3	90.4	90.6	90.3	90.2	90.1
Total	24,996	30,172	32,972	34,374	32,634	31,758	30,692	29,230	28,245	27,731
Per cent female	87.3	87.4	87.5	87.5	88.0	87.6	87.6	87.5	87.5	87.7
Overseas students										
Basic nursing										
Bachelor (pass/honours)	7	40	608	760	758	916	870	826	803	799
Diploma/other	362	413	168	69	9	2	—	—	—	—
<i>Total basic nursing</i>	<i>369</i>	<i>453</i>	<i>776</i>	<i>829</i>	<i>767</i>	<i>918</i>	<i>870</i>	<i>826</i>	<i>803</i>	<i>799</i>
Per cent female	87.5	86.5	85.7	87.9	87.4	87.3	88.7	90.8	90.2	88.9
Post-basic nursing										
PhD/Masters/higher doctorate	7	18	30	47	67	82	91	121	227	275
Postgraduate qualifying	—	1	—	2	—	—	—	—	—	—
Postgraduate diploma	12	23	31	44	60	81	74	47	75	74
Bachelor (postgraduate)	—	7	—	—	20	5	17	4	2	2
Bachelor (pass/honours)	371	438	571	406	398	587	716	1,146	1,684	1,784
Graduate certificate	—	1	3	5	4	5	19	26	13	18
Diploma/assoc. dip./other	34	30	2	1	—	1	1	—	—	3
<i>Total post-basic nursing</i>	<i>424</i>	<i>518</i>	<i>637</i>	<i>505</i>	<i>549</i>	<i>761</i>	<i>918</i>	<i>1,344</i>	<i>2,001</i>	<i>2,156</i>
Per cent female	91.0	92.5	89.7	90.9	92.3	92.8	95.3	92.6	92.5	92.9
Total	793	971	1,413	1,334	1,316	1,679	1,788	2,170	2,804	2,955
Per cent female	89.4	89.7	87.5	89.1	89.4	89.8	92.1	91.9	91.8	91.8
(overseas students as a percentage of all students)										
Basic nursing										
Bachelor (pass/honours)	2.0	3.1	4.0	3.5	3.5	4.5	4.4	4.2	4.0	3.9
Diploma/other	2.0	2.0	2.0	2.9	3.4	2.9	—	—	—	—
<i>Total basic nursing</i>	<i>2.0</i>	<i>2.1</i>	<i>3.3</i>	<i>3.5</i>	<i>3.5</i>	<i>4.4</i>	<i>4.4</i>	<i>4.2</i>	<i>4.0</i>	<i>3.9</i>
Post-basic nursing										
PhD/Masters/higher doctorate	2.6	3.7	4.7	5.4	6.6	6.3	6.3	6.8	12.0	14.0
Postgraduate qualifying	—	1.6	—	9.5	—	—	—	—	—	—
Postgraduate diploma	2.5	3.0	2.8	2.8	2.8	3.0	2.3	1.4	2.6	2.7
Bachelor (postgraduate)	—	2.0	—	—	9.6	2.5	12.0	7.7	3.3	1.0
Bachelor (pass/honours)	6.2	6.0	6.3	4.5	4.8	7.1	9.8	18.4	30.1	37.2
Graduate certificate	—	2.1	2.8	2.0	1.4	1.5	3.8	6.1	2.4	3.4
Diploma/assoc. dip./other	8.7	60.0	6.1	6.3	—	4.8	3.6	—	—	10.7
<i>Total post-basic nursing</i>	<i>5.9</i>	<i>5.7</i>	<i>5.8</i>	<i>4.3</i>	<i>4.6</i>	<i>5.9</i>	<i>7.2</i>	<i>11.4</i>	<i>18.2</i>	<i>21.0</i>
Total	3.1	3.1	4.1	3.7	3.9	5.0	5.5	6.9	9.0	9.6

(a) Includes New Zealand citizens, which were included with Australian permanent resident students data for 1997 by DETYA. Numbers, however, are now small because New Zealand citizens are required to pay HECS fees up front at Australian universities.

Note: Some courses have been re-classified from basic nursing to post-basic nursing, and vice versa. Therefore these figures may not match previously published data.

Source: AIHW analysis of DETYA unpublished data.

Table 67: Nursing course completions: type and level of course, residency and year of completion, Australia, 1989 to 1998

Type/level of course	1989	1990	1991	1992	1993	1994	1995	1996 ^(a)	1997	1998
Australian permanent resident students										
Basic nursing										
Bachelor (postgraduate)	—	—	—	—	—	—	—	—	—	8
Bachelor (pass/honours)	—	16	203	2,149	5,232	5,670	5,384	4,970	4,753	4,645
Diploma/other	3,035	3,759	4,254	2,673	1,165	180	46	7	12	8
<i>Total basic nursing</i>	<i>3,035</i>	<i>3,775</i>	<i>4,457</i>	<i>4,822</i>	<i>6,397</i>	<i>5,850</i>	<i>5,430</i>	<i>4,977</i>	<i>4,765</i>	<i>4,661</i>
Per cent female	88.4	87.5	88.3	88.6	88.3	87.6	87.7	87.8	87.4	87.1
Post-basic nursing										
PhD/Masters/higher doctorate	2	14	42	51	113	131	154	187	298	313
Postgraduate qualifying	—	—	13	1	—	—	—	—	—	—
Postgraduate diploma	62	177	289	359	584	921	1,025	1,458	1,622	1,556
Bachelor (postgraduate)	—	—	67	—	149	103	100	75	38	15
Bachelor (pass/honours)	1,048	1,164	1,745	3,386	3,064	3,611	3,504	3,059	2,282	1,731
Graduate certificate	—	—	23	56	157	149	201	334	324	399
Diploma/assoc. dip./other	393	82	18	8	—	13	17	20	27	12
<i>Total post-basic nursing</i>	<i>1,505</i>	<i>1,437</i>	<i>2,197</i>	<i>3,861</i>	<i>4,067</i>	<i>4,928</i>	<i>5,001</i>	<i>5,133</i>	<i>4,591</i>	<i>4,026</i>
Per cent female	88.2	87.7	88.2	90.1	91.3	91.5	91.1	91.5	91.5	90.7
Total	4,540	5,212	6,654	8,683	10,464	10,778	10,431	10,110	9,356	8,687
Per cent female	88.4	88.3	87.6	88.3	89.3	89.4	89.4	89.3	89.7	89.4
Overseas students										
Basic nursing										
Bachelor (pass/honours)	—	—	2	160	473	460	336	167	488	365
Diploma/other	78	53	68	91	22	3	3	—	—	—
<i>Total basic nursing</i>	<i>78</i>	<i>53</i>	<i>70</i>	<i>251</i>	<i>495</i>	<i>463</i>	<i>339</i>	<i>167</i>	<i>488</i>	<i>365</i>
Per cent female	93.6	81.1	84.3	80.5	88.5	86.8	88.8	91.0	90.4	92.6
Post-basic nursing										
PhD/Masters/higher doctorate	4	2	4	2	6	14	15	26	53	62
Postgraduate diploma	4	12	14	8	20	34	62	24	48	53
Bachelor (postgraduate)	—	—	1	—	34	14	15	20	6	2
Bachelor (pass/honours)	76	153	215	410	207	290	311	425	679	916
Graduate certificate	—	—	—	1	2	1	1	1	24	10
Diploma/assoc. dip./other	14	62	69	—	—	—	1	—	1	2
<i>Total post-basic nursing</i>	<i>98</i>	<i>229</i>	<i>303</i>	<i>421</i>	<i>269</i>	<i>353</i>	<i>405</i>	<i>496</i>	<i>811</i>	<i>1,045</i>
Per cent female	90.8	92.1	94.1	92.2	88.8	93.8	92.8	95.6	94.0	94.7
Total	176	282	373	672	764	816	744	663	1,299	1,410
Per cent female	92.0	90.1	92.2	87.8	88.6	89.8	91.0	94.4	92.6	94.2
(overseas students as a percentage of all students)										
Basic nursing										
Bachelor (pass/honours)	—	—	1.0	6.9	8.3	7.5	5.9	3.3	9.3	7.3
Diploma/other	2.5	1.4	1.6	3.3	1.9	1.6	6.1	—	—	—
<i>Total basic nursing</i>	<i>2.5</i>	<i>1.4</i>	<i>1.5</i>	<i>4.9</i>	<i>7.2</i>	<i>7.3</i>	<i>5.9</i>	<i>3.2</i>	<i>9.3</i>	<i>7.3</i>
Post-basic nursing										
PhD/Masters/higher doctorate	66.7	12.5	8.7	3.8	5.0	9.7	8.9	12.2	15.1	16.5
Postgraduate diploma	6.1	6.3	4.6	2.2	3.3	3.6	5.7	1.6	2.9	3.3
Bachelor (postgraduate)	—	—	1.5	—	18.6	12.0	13.0	21.1	13.6	11.8
Bachelor (pass/honours)	6.8	11.6	11.0	10.8	6.3	7.4	8.2	12.2	22.9	34.6
Graduate certificate	—	—	—	1.8	1.3	0.7	0.5	0.3	6.9	2.4
Diploma/assoc. dip./other	3.4	43.1	79.3	—	—	—	5.6	—	3.6	14.3
<i>Total post-basic nursing</i>	<i>6.1</i>	<i>13.7</i>	<i>12.1</i>	<i>9.8</i>	<i>6.2</i>	<i>6.7</i>	<i>7.5</i>	<i>8.8</i>	<i>15.0</i>	<i>20.6</i>
Total	3.7	5.1	5.3	7.2	6.8	7.0	6.7	6.2	12.2	14.0

(a) Includes New Zealand citizens, which were included with Australian permanent resident students data for 1996 by DETYA. Numbers, however, are small because New Zealand citizens are required to pay HECS fees up front at Australian universities.

Note: Some courses have been re-classified from basic nursing to post-basic nursing, and vice versa. Therefore these figures may not match previously published data.

Source: AIHW analysis of DETYA unpublished data.

Table 68: Australian permanent resident students commencing nursing courses: geographic location of home residence, sex, States and Territories, 1999

Geographic location	NSW	Vic	Qld	WA	SA	Tas	ACT	NT	Not Stated	Australia
Capital city	224	123	100	52	72	13	23	10	—	617
Other metropolitan area	40	6	41	—	—	—	—	—	—	87
Large rural centre	19	31	61	—	5	15	—	—	—	131
Small rural centre	30	14	10	4	3	1	—	—	—	62
Other rural area	20	30	29	1	9	6	—	—	—	95
Remote centre	—	—	2	1	—	—	—	1	—	4
Other remote area	2	2	1	3	1	—	—	1	—	10
Not stated	—	—	5	—	—	—	—	1	1	7
Total	335	206	249	61	90	35	23	13	1	1,013
Females										
Capital city	1,172	1,040	634	426	518	63	72	63	3	3,991
Other metropolitan area	163	66	224	—	—	—	2	—	—	455
Large rural centre	126	120	203	—	17	54	—	—	—	520
Small rural centre	132	116	44	41	49	12	—	—	—	394
Other rural area	221	268	141	33	115	39	—	7	—	824
Remote centre	—	—	35	15	—	—	—	14	—	64
Other remote area	16	3	29	13	10	2	—	9	—	82
Not stated	2	2	14	12	1	—	—	3	11	45
Total	1,832	1,615	1,324	540	710	170	74	96	14	6,375
Persons										
Capital city	1,396	1,163	734	478	590	76	95	73	3	4,608
Other metropolitan area	203	72	265	—	—	—	2	—	—	542
Large rural centre	145	151	264	—	22	69	—	—	—	651
Small rural centre	162	130	54	45	52	13	—	—	—	456
Other rural area	241	298	170	34	124	45	—	7	—	919
Remote centre	—	—	37	16	—	—	—	15	—	68
Other remote area	18	5	30	16	11	2	—	10	—	92
Not stated	2	2	19	12	1	—	—	4	12	52
Total	2,167	1,821	1,573	601	800	205	97	109	15	7,388
Percentage of student nurses										
Capital city	64.4	63.9	46.7	79.5	73.8	37.1	97.9	67.0	20.0	62.4
Other metropolitan area	9.4	4.0	16.8	0.0	0.0	0.0	2.1	0.0	—	7.3
Large rural centre	6.7	8.3	16.8	0.0	2.8	33.7	0.0	0.0	—	8.8
Small rural centre	7.5	7.1	3.4	7.5	6.5	6.3	0.0	0.0	—	6.2
Other rural area	11.1	16.4	10.8	5.7	15.5	22.0	0.0	6.4	—	12.4
Remote centre	0.0	0.0	2.4	2.7	0.0	0.0	0.0	13.8	—	0.9
Other remote area	0.8	0.3	1.9	2.7	1.4	1.0	0.0	9.2	—	1.2
Not stated	0.1	0.1	1.2	2.0	0.1	0.0	0.0	3.7	80.0	0.7
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW from DETYA data.

Table 69: Australian permanent resident students completing nursing courses: country of birth by year of completion, 1990 to 1998

Country of birth	1990	1991	1992	1993	1994	1995	1996	1997	1998
Australia	3,598	4,775	6,950	8,623	8,769	8,660	8,079	7,624	7,092
New Zealand	28	37	44	77	87	89	258	107	132
Papua New Guinea	12	15	34	30	29	41	28	28	24
Other Oceania	14	12	19	29	22	34	36	28	26
UK and Ireland	301	335	585	692	620	656	699	622	554
West Germany	22	11	29	41	41	27	24	29	25
Netherlands	13	13	31	34	24	31	39	23	22
Other Europe	56	76	138	131	134	152	129	136	149
Hong Kong	16	22	59	85	76	98	107	74	53
China	4	4	8	15	13	23	29	35	44
India	18	16	14	26	20	41	31	24	18
Malaysia	42	53	68	97	100	109	86	82	49
Singapore	10	16	13	20	27	17	23	20	22
Vietnam	11	14	18	27	28	32	43	46	51
Philippines	19	28	48	60	71	67	87	75	99
Other Asia/Middle East	24	28	43	50	58	77	69	87	91
South Africa	15	21	38	42	40	42	51	44	39
Other Africa	38	29	60	69	61	58	92	45	45
Canada	14	15	25	25	23	34	29	30	23
USA	9	12	15	28	20	29	19	31	23
Chile	9	14	25	28	16	16	26	17	19
Other America	15	15	14	25	21	35	38	24	39
Not stated	924	1,093	405	210	465	46	68	125	48
Total	5,212	6,654	8,683	10,464	10,765	10,414	10,090	9,356	8,687
	(per cent)								
Australia	69.0	71.8	80.0	82.4	81.5	83.2	80.1	81.5	81.6
New Zealand	0.5	0.6	0.5	0.7	0.8	0.9	2.6	1.1	1.5
Papua New Guinea	0.2	0.2	0.4	0.3	0.3	0.4	0.3	0.3	0.3
Other Oceania	0.3	0.2	0.2	0.3	0.2	0.3	0.4	0.3	0.3
UK and Ireland	5.8	5.0	6.7	6.6	5.8	6.3	6.9	6.6	6.4
West Germany	0.4	0.2	0.3	0.4	0.4	0.3	0.2	0.3	0.3
Netherlands	0.2	0.2	0.4	0.3	0.2	0.3	0.4	0.2	0.3
Other Europe	1.1	1.1	1.6	1.3	1.2	1.5	1.3	1.5	1.7
Hong Kong	0.3	0.3	0.7	0.8	0.7	0.9	1.1	0.8	0.6
China	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.4	0.5
India	0.3	0.2	0.2	0.2	0.2	0.4	0.3	0.3	0.2
Malaysia	0.8	0.8	0.8	0.9	0.9	1.0	0.9	0.9	0.6
Singapore	0.2	0.2	0.1	0.2	0.3	0.2	0.2	0.2	0.3
Vietnam	0.2	0.2	0.2	0.3	0.3	0.3	0.4	0.5	0.6
Philippines	0.4	0.4	0.6	0.6	0.7	0.6	0.9	0.8	1.1
Other Asia/Middle East	0.5	0.4	0.5	0.5	0.5	0.7	0.7	0.9	1.0
South Africa	0.3	0.3	0.4	0.4	0.4	0.4	0.5	0.5	0.4
Other Africa	0.7	0.4	0.7	0.7	0.6	0.6	0.9	0.5	0.5
Canada	0.3	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3
USA	0.2	0.2	0.2	0.3	0.2	0.3	0.2	0.3	0.3
Chile	0.2	0.2	0.3	0.3	0.1	0.2	0.3	0.2	0.2
Other America	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.4
Not stated	17.7	16.4	4.7	2.0	4.3	0.4	0.7	1.3	0.6
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: AIHW from DETYA data.

Table 70: Permanent migration of nurses to and from Australia, 1993–94 to 1998–99

Category/country	1993–94	1994–95	1995–96	1996–97	1997–98	1998–99
Country of previous residence						
New Zealand	147	170	210	230	245	331
Other Oceania	18	5	17	19	1	2
UK/Ireland	325	396	364	287	328	285
Other Europe	101	114	102	73	75	61
Middle East	10	32	31	35	35	29
Africa	20	28	45	42	58	61
Hong Kong	65	158	88	46	54	65
China	22	13	151	70	25	40
Philippines	39	38	33	38	47	61
Other Asia	59	73	66	57	56	76
USA/Canada	37	50	54	55	55	30
Other countries	4	4	5	3	15	39
Total	847	1,081	1,166	955	994	1,080
Country of future residence						
New Zealand	236	207	207	207	183	170
Other Oceania	9	5	5	12	3	6
UK/Ireland	225	195	225	241	273	224
Other Europe	33	42	43	38	32	32
Middle East	16	16	24	25	17	17
Asia	43	35	49	52	41	72
USA/Canada	79	85	76	71	84	129
Other countries	25	6	4	5	18	13
Total	666	591	633	651	651	661

Source: AIHW analysis of DIMA unpublished data.

Table 71: Temporary migration of nurses to and from Australia for education, 1993–94 to 1998–99

Category/country	1993–94	1994–95	1995–96	1996–97	1997–98	1998–99
Migration to Australia for long-term stay						
Country of previous residence						
New Zealand	11	9	1	4	11	10
Other Oceania	26	15	14	18	11	10
Hong Kong	11	18	31	27	10	12
Singapore	32	25	8	12	11	18
Other Asia	31	35	15	57	36	27
Other countries	17	14	36	23	26	44
Total	128	116	105	141	105	121
Migration to Australia for short-term stay						
Country of previous residence						
New Zealand	4	4	1	6	4	6
Other Oceania	15	12	11	11	1	2
Singapore	45	28	21	—	15	—
Hong Kong	16	17	12	—	—	—
Other Asia	24	65	75	43	30	33
USA/Canada	1	3	3	—	—	—
Other countries	10	11	6	—	34	10
Total	115	140	129	60	84	51
Migration of Australian residents from Australia for long-term overseas stay						
Country of long-term stay						
UK/Ireland	24	32	24	18	24	20
Other countries	24	23	16	20	26	19
Total	48	55	40	38	50	39

Note: Long-term movements refer to those involving 12 months or more. Short-term movements refer to those involving less than 12 months.

Source: Department of Immigration and Multicultural Affairs, unpublished data.

Table 72: Temporary migration of nurses to and from Australia for employment, 1993–94 to 1998–99

Category/country	1993–94	1994–95	1995–96	1996–97	1997–98	1998–99
Migration to Australia for short-term stay						
Country of previous residence						
New Zealand	51	56	44	62	58	117
UK/Ireland	54	45	53	65	137	189
Other countries	25	23	7	12	25	16
Total	130	124	104	139	220	322
Migration to Australia for long-term stay						
Country of previous residence						
New Zealand	69	66	77	72	74	136
UK/Ireland	26	32	45	54	170	250
Other countries	23	15	24	22	32	64
Total	118	113	146	148	276	450
Migration to Australia by Australian residents returning after a long-term overseas stay						
Country of long-term stay						
New Zealand	68	49	70	79	81	71
Other Oceania	41	45	36	34	17	3
UK/Ireland	965	985	958	998	990	901
Other Europe	120	128	137	123	117	66
Middle East	207	236	196	202	174	85
Africa	36	44	35	48	28	23
Hong Kong	111	112	89	93	74	92
Singapore	18	38	38	22	23	24
Malaysia	32	26	27	24	21	16
Other Asia	62	69	71	86	102	69
USA/Canada	267	270	267	251	224	185
Other countries	28	13	30	20	27	17
Total	1,955	2,015	1,954	1,980	1,878	1,552
Migration of Australian residents from Australia for long-term overseas stay						
Country of long-term stay						
New Zealand	26	32	27	30	42	34
Other Oceania	22	30	30	20	4	10
UK/Ireland	175	185	231	299	345	438
Other Europe	27	16	26	15	20	24
Middle East	235	224	233	192	162	150
Hong Kong	47	63	54	55	47	48
Singapore	33	24	24	36	26	17
Other Asia	39	57	61	71	67	47
USA/Canada	98	68	71	69	71	58
Other countries	18	26	29	20	31	25
Total	720	725	786	807	815	851
Temporary visitor departing after long-term stay in Australia						
Country of future residence						
New Zealand	77	60	67	62	54	112
Other Oceania	30	20	28	16	14	9
UK/Ireland	82	130	162	213	279	184
Other Europe	35	26	39	52	56	36
Hong Kong	13	14	13	11	10	12
China	21	12	10	8	16	32
Other Asia	45	65	67	98	164	185
USA/Canada	21	32	32	23	36	44
Other countries	8	9	10	18	37	39
Total	332	368	428	501	666	653

Note: Long-term movements refer to those involving 12 months or more. Short-term movements refer to those involving less than 12 months.
Source: Department of Immigration and Multicultural Affairs, unpublished data.

Table 73: Registered nurses: classification of job concordance, States and Territories, 1997
Nurses employed under a nursing award

Salary Range	NSW	VIC	QLD	WA
Job Classification				
<\$28,729	Enrolled nurse	Enrolled nurse	Enrolled nurse	Enrolled nurse
\$28,730–\$41,992	Registered nurse/midwife	Registered nurse Gr1 Registered nurse Gr2 Clinical nurse specialist Division 3 unspecified	L1 Registered nurse L2 Clinical Nurse L3 Nurse manager L3 Clinic nurse conslt. L3 Nurse practice co-ord. L3 Staff devt./education L3 Researcher	L1 Registered nurse L2 Area manager L2 Clinical nurse L2 Staff development. nurse
\$41,993–\$50,471	Clinical nurse spclst. Clinical nurse educ. Nurse educator	Registered nurse Gr3 Registered nurse Gr4	L3 Nurse manager L3 Clinic nurse conslt. L3 Nurse practice co-ord. L3 Staff devt./education L3 Researcher	L3 Nurse manager L3 Clinica conslt./spclst. L3 Staff devt/education
\$50,472–\$58,710	Nurse manager Gr1 Nurse manager Gr2 Nurse manager Gr3 Clinical nurse conslt. Nursing unit manager	Registered nurse Gr5 Registered nurse Gr6	L4 Clinical L4 Management L4 Clinical/Mngmt L4 Staff Devt./Education L4 Research	L4 Staff devt/education L4 Asst. DON: Clinical L4 Asst. DON: Mngmt.
\$58,711–\$70,038	Nurse manager Gr4 Nurse manager Gr5 Nurse manager Gr6 Nurse researcher	Registered nurse Gr7	L5 Director of nursing	L4 Nurse researcher L5 Director of nursing
\$70,039+	Nurse manager Gr7 Nurse manager Gr8 Nurse manager Gr9			

(continued)

Table 73: (continued) Registered nurses: classification of job concordance, States and Territories, 1997 Nurses employed under a nursing award

Salary Range	SA	TAS	ACT	NT
Job Classification				
<\$28,729	Enrolled nurse Enrolled (mothercraft)	Enrolled nurse	Enrolled nurse	Enrolled nurse Enrolled (mothercraft)
\$28,730–\$41,992	L1 Registered nurse L2 Clinical nurse	Registered nurse L1 Clinical L2	Registered nurse L1 Registered nurse L2 Yr1/2	L1 Registered nurse L2 Clinical nurse
\$41,993–\$50,471	L3 Nurse manager L3 Clinical nurse constt. L3 Clinincal nurse spclst. L3 Staff devt./education	Staff devt./educ. Nurse L3 Clinical nurse constt. L3 Nurse manager L3	Registered nurse L2 Yr3/4 Registered nurse L3	L3 Nurse manager L3 Clinical nurse constt. L3 Clinincal nurse spclst. L3 Staff devt./education
\$50,472–\$58,710	L4 Staff devt./education L4 Clinical L4 Management	Registered nurse L4	Registered nurse L4 Gr1/2 Registered nurse L5 Gr1/2	L4 Clinical nurse L4 Management L4 Staff devt./education
\$58,711–\$70,038	L5 Director of Nursing	Reg.nurse L5 grs 1-4	Registered nurse L4 Gr3 Registered nurse L5 Gr3/4	L5 Director of Nursing
\$70,039+		Reg.Nurse L5 Grs5/6	Registered nurse L5 Gr5/6	

Source: Health Departments, State Governments of Australia.

Glossary

Area of clinical nursing

Is the classification of the area of nursing in which a nursing clinician is engaged.

During 1997 the classification for nursing was changed which will impact on the ability to compare this area with previous years the concordance between this classification system and the previous one is detailed in the table below.

Table 74: Area of clinical nursing concordance

Previous Classification	New Classification
Mixed Medical & Surgical	Mixed Medical & Surgical
Medical	Medical
Surgical	Surgical
Obstetrics and gynaecology	Coronary care or surgery ⁽¹⁾
Intensive Care	Critical care/intensive care
Gerontology/Geriatric	Geriatric/Gerontology
Operating Theatre	Perioperative/Operating theatre/Recovery
Accident and emergency	Casualty accident/emergency
Midwifery	Midwifery*
Psychiatric/mental health	Mental health/psychiatric
Community	Community
District/domiciliary	Developmental disability
Developmental disability	Occupational Health
Occupational Health	Paediatric
Paediatric	Child and family health
Child health	School Children's health
School Medical	No one principal area of practice
No one principal area of practice	Oncology
Other	Rehabilitation
Private medical practice	Renal
Independent practice	Respiratory medicine/asthma
Aboriginal health	Other

Clinician

A registered or enrolled nurse who is mainly involved in the care and treatment of patients, including nursing diagnosis and preventative action.

Country

The Australian Bureau of Statistics, *Australian Standard Classification of Countries for Social Statistics*, Catalogue No. 1269.0 has been used to classify country of initial qualification and country of birth into the following categories:

1. *Australia*
2. *New Zealand*
3. *United Kingdom and Ireland*: England, Scotland, Wales, Northern Ireland, Ireland
4. *Asia*: Brunei, Cambodia, Indonesia, Laos, Malaysia, Myanmar, Philippines, Singapore, Thailand, Vietnam, People's Republic of China, Hong Kong, Japan, Democratic People's Republic of Korea (North Korea), Republic of Korea (South Korea), Macau, Mongolia, Formosa, Taiwan, Afghanistan, Bangladesh, Bhutan, India, Maldives, Nepal, Pakistan, Sri Lanka
5. *Other countries*: all countries not specified above.

Enrolled nurse

A nurse who is on the roll maintained by the State or Territory nurses board or nursing council to practise nursing in that State or Territory. The minimum educational requirement for an enrolled nurse is a one-year diploma from a tertiary education institution or equivalent from a recognised hospital-based program. It is necessary for a nurse to have practised for a specified minimum period in the past five years to maintain enrolment. Enrolled nurses include mothercraft and dental nurses where the educational course requirements may be greater than one year but less than a three-year degree course or equivalent.

Hospital Staffing

- *Salaried Medical Officers* Medical officers engaged by the hospital on a full-time or part time salaried basis.
- *Nurses*
 - *Enrolled Nurses* Second-level nurses who are enrolled in all States and Territories except Victoria where they are registered by the State registration board to practise in this capacity. Includes general enrolled nurses and specialist enrolled nurses (e.g. mothercraft nurses in some States and Territories).
 - *Registered Nurses* Nurses with at least a 3 year training certificate and nurses holding postgraduate qualifications. Registered nurses must be registered with a State or Territory registration board.
- *Other personal care staff* This category includes attendants, assistants or home assistants, home companions, family aides, ward helpers, wards persons, orderlies, ward assistants and nursing assistants, engaged primarily in the provision of personal care to patients or residents, who are formally qualified or undergoing training in nursing or allied health professions.
- *Diagnostic and health professionals* Qualified staff (other than qualified medical and nursing staff) engaged in duties of a diagnostic, professional or technical nature (but also including diagnostic and health professionals whose duties are primarily or partly of an administrative nature). This category includes all allied health professionals and laboratory technicians but excludes civil engineers and computing staff.

- *Administrative and Clerical Staff* Staff engaged in administrative and clerical duties. Civil engineers and computing staff are included in this category. Medical staff and nursing staff, diagnostic and health professionals and any domestic staff primarily or partly engaged in administrative and clerical duties are excluded.
- *Domestic and other staff* Staff engaged in the provision of food and cleaning services. They include domestic staff, such as food services managers, primarily engaged in administrative duties. This category also includes all staff not elsewhere included (primarily maintenance staff, tradespersons and gardening staff).

Hours worked

The total number of hours worked per week self-reported by responding nurses as the usual number of hours worked per week in all nursing-related jobs over the four weeks before the survey. Note that the Queensland and South Australian surveys did not specify the four-week period.

Hours worked exclude time spent on travel between work locations (except travel to call-outs) and unpaid professional and/or voluntary activities. In the editing of survey responses, maximum hours worked per week was limited to 99 hours per week for main, second and subsequent jobs and 126 hours per week for total hours worked.

The cut-off for full-time and part-time work varies among the States and Territories. In this publication the Australian Bureau of Statistics definition has been used:

- *full-time*: 35 hours or more per week;
- *part-time*: less than 35 hours per week.

Job classification

The classification of the registered nurse varies according to the industrial award in each State and Territory. New South Wales and Victoria have state awards while the other States and Territories operate with a federal award. The concordance among the reported classifications and the published classification is shown in Table 70.

Geographic classification

The *Rural, Remote and Metropolitan Areas Classification* (RRMA), November 1994, of the Department of Primary Industries and Energy and the Department of Health and Aged Care has been used to classify the geographic location of the main job of responding nurses in the following seven categories.

Metropolitan areas:

1. *Capital cities* consist of the State and Territory capital cities of Sydney, Melbourne, Brisbane, Perth, Adelaide, Hobart, Darwin and Canberra.
2. *Other metropolitan centres* consist of one or more statistical subdivisions, which have an urban centre of population of 100,000 or more in size. These centres are: Newcastle, Wollongong, Queanbeyan (part of Canberra-Queanbeyan), Geelong, Gold Coast-Tweed Heads, Townsville-Thuringowa.

Rural zones:

3. *Large rural centres* are statistical local areas where most of the population resides in urban centres of population of 25,000 to 99,999. These centres are: Albury–Wodonga, Dubbo, Lismore, Orange, Port Macquarie, Tamworth, Wagga Wagga (NSW); Ballarat, Bendigo, Shepparton–Mooroopna (Vic); Bundaberg, Cairns, Mackay, Maroochydore–Mooloolaba, Rockhampton, Toowoomba (Qld); Whyalla (SA); and Launceston (Tas).
4. *Small rural centres* are statistical local areas in rural zones containing urban centres of population between 10,000 and 24,999. These centres are: Armidale, Ballina, Bathurst, Broken Hill, Casino, Coffs Harbour, Forster–Tuncurry, Goulburn, Grafton, Griffith, Lithgow, Moree Plains, Muswellbrook, Nowra–Bomaderry, Singleton, Taree (NSW); Bairnsdale, Colac, Echuca–Moama, Horsham, Mildura, Moe–Yallourn, Morwell, Ocean Grove–Barwon Heads, Portland, Sale, Traralgon, Wangaratta, Warrnambool (Vic); Caloundra, Gladstone, Gympie, Hervey Bay, Maryborough, Tewantin–Noosa, Warwick (Qld); Mount Gambier, Murray Bridge, Port Augusta, Port Lincoln, Port Pirie (SA); Albany, Bunbury, Geraldton, Mandurah (WA); Burnie–Somerset, Devonport (Tas).
5. *Other rural areas* are the remaining statistical areas within the rural zone. Examples are Cowra Shire, Temora Shire, Guyra Shire (NSW); Ararat Shire, Cobram Shire (Vic); Cardwell Shire, Whitsunday Shire (Qld); Barossa, Pinnaroo (SA); Moora Shire, York Shire (WA); George Town, Ross (Tas); Coomalie, Litchfield (NT).

Remote zones: these are generally less densely populated than rural statistical local areas and hundreds of kilometres from a major urban centre. Data in this publication are reported for the zone that comprises the two areas shown below.

6. *Remote centres* are statistical local areas in the remote zone containing urban centres of population of 5,000 or more. These centres are: Blackwater, Bowen, Emerald, Mareeba, Moranbah, Mount Isa, Roma (Qld); Broome, Carnarvon, East Pilbara, Esperance, Kalgoorlie/Boulder, Port Hedland, Karratha (WA); Alice Springs, Katherine (NT).
7. *Other remote areas* are the remaining areas within the remote zone. Examples are: Balranald, Bourke, Cobar, Lord Howe Island (NSW); French Island, Orbost, Walpeup (Vic); Aurukun, Longreach, Quilpie (Qld); Coober Pedy, Murat Bay, Roxby Downs (SA); Coolgardie, Exmouth, Laverton, Shark Bay (WA); King Island, Strahan (Tas); Daly, Jabiru, Nhulunbuy (NT).

Nursing labour force

The nursing labour force (registered and enrolled nurses) in each State and Territory includes nurses currently employed in nursing and nurses who are not employed in nursing but are looking for work in nursing.

Registered and enrolled nurses who, at the time of the survey, were on maternity or other extended leave for more than three months are employed, and thus part of the nursing labour force. However, in most cross-classified tables for employed nurses, those on extended leave have not been included because not all States and Territories collected data on their employment characteristics prior to commencement of leave.

Occupation

A description of the job function within the field of nursing of a person with nursing qualifications. The occupations are:

- *Clinician:* a registered or enrolled nurse who is mainly involved in the care and treatment of patients, including nursing diagnosis and preventative action;

- *Clinician Nurse Manager*: a registered or enrolled nurse who manages a hospital nursing care unit or other sub-unit of a hospital, nursing home or health care facility, or supervises nursing staff for a particular unit or shift;
- *Administrator*: a person mainly employed in nursing administration;
- *Teacher/Educator*: a person who is teaching or training persons in nursing for their initial qualification or in advanced skills after initial qualification;
- *Researcher*: a person engaged in nursing research; and
- *Other*: a job function in nursing which is not one of the above – for example, industrial relations or public health activities in nursing.

Registered nurse

A nurse who is on the register maintained by the State or Territory nurses board or nursing council to practise nursing in that State or Territory. The minimum educational requirement for a registered nurse is a three-year degree from a tertiary education institution or equivalent from a recognised hospital-based program. Registered nurses may have their practice certificate endorsed to practise in a specific clinical area (for example, midwifery) on completion of a recognised postgraduate course. To maintain registration, it is necessary for a nurse to have practised for a specified minimum period in the field of nursing in the past five years.

Work setting

The functional use of the premises where a nursing job is located. Table 71 presents the concordance between the description in the publication and the data as collected from each State and Territory.

Table 75: Work setting concordance, States and Territories, 1997

Publication description	Data collection description	NSW	Vic	Qld	WA	SA	Tas	ACT	NT
Public sector									
Acute/psychiatric hospital	Hospital inpatient	X	X		X	X	X	X	X
	Hospital outpatient	X	X		X	X	X	X	X
	Acute general/specialist hospital			X					
	Psychiatric hospital/service			X					
Nursing home	Nursing home	X	X		X	X	X	X	X
	Nursing home/aged care service			X					
Day procedure centre	Day procedure centre	X	X		X	X	X	X	X
Hostel	Hostel	X	X		X	X	X	X	X
Hospice	Hospice	X	X		X	X	X	X	X
Community health centre ^(a)	Community health centre/service	X	X	X	X	X	X	X	X
Agency	Agency		X		X	X	X	X	X
Developmental disability service	Developmental disability institution	X	X	X	X	X	X	X	X
School/child health service	School	X	X		X	X	X	X	X
	Maternal and child health service		X						
	Child health service			X					
Tertiary education institution	Tertiary/higher education institution	X	X	X	X	X	X	X	X
Prison medical service ^(b)	Prison medical service	X	X		X	X	X	X	X
Defence forces ^(b)	Defence forces	X	X	X	X	X	X	X	X
Other	Other	X	X	X	X	X	X	X	X
	Domiciliary nursing service			X					
	Government dept/statutory authority			X					
	Local government			X					
Private sector									
Acute/psychiatric hospital	Hospital inpatient	X	X		X	X	X	X	X
	Hospital outpatient	X	X		X	X	X	X	X
	Acute general/specialist hospital			X					
	Psychiatric hospital/service			X					
Nursing home	Nursing home	X	X		X	X	X	X	X
	Nursing home/aged care service			X					
Day procedure centre	Day procedure centre	X	X		X	X	X	X	X
	Day surgery centre/facility			X					
Hostel	Hostel	X	X		X	X	X	X	X
Hospice	Hospice	X	X		X	X	X	X	X
Private medical rooms	Private medical (doctor's rooms)	X	X	X	X	X	X	X	X
Agency	Agency	X	X	X	X	X	X	X	X
Private nursing practice	Private nursing practice	X	X		X	X	X	X	X
Developmental disability service	Developmental disability service	X	X	X	X	X	X	X	X
School/child health service	School	X	X		X	X	X	X	X
	Maternal and child health service		X						
Tertiary education institution	Tertiary/higher education institution	X	X	X	X	X	X	X	X
Private sector	Private sector	X	X		X	X	X	X	X
	Industry/private enterprise			X					
Other	Other	X	X	X	X	X	X	X	X
	Domiciliary nursing service			X					

(a) Includes private community health centres for New South Wales.

(b) Includes private prison medical services, and private defence forces for South Australia.

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Related publications

The following publications relating to the health labour force have been issued by the Australian Institute of Health and Welfare.

National health labour force series

- No. 1: Pharmacy labour force 1992
- No. 2: Podiatry labour force 1992
- No. 3: Medical labour force 1992–93
- No. 4: Physiotherapy labour force 1993
- No. 5: Pharmacy labour force 1993
- No. 6: Medical labour force 1994
- No. 7: Podiatry labour force 1994
- No. 8: Pharmacy labour force 1994

- No. 9: Nursing labour force 1993 and 1994
- No. 10: Medical labour force 1995
- No. 11: Nursing labour force 1995
- No. 12: Pharmacy labour force 1995
- No. 13: Medical labour force 1996
- No. 14: Nursing labour force 1998
- No. 15: Medical labour force 1997
- No. 16: Medical labour force 1998
- No. 17: Pharmacy labour force 1998
- No. 18: Optometrist labour force 1999
- No. 19: Health and Community Services labour force 1996

Other publications

- Australia's health 1994
- Australia's health 1996
- Australia's health 1998
- Australia's health 2000
- Australia hospital statistics 1993-95: an overview
- Australian hospital statistics 1996-97
- Australian hospital statistics 1997-98
- Australian hospital statistics 1998-99

Internet access

A selection of material produced by the Australian Institute of Health and Welfare is published on the Institute's web-site at <http://www.aihw.gov.au>. This includes the Institute's medical and nursing labour force publications, the publications catalogue ordering information.

This report by the Australian Institute of Health and Welfare presents statistics on trends in the employment of nurses in Australia over the decade up to, and including, 1999.

The number and characteristics of all registered and enrolled nurses are presented for 1997, including statistics showing employment in nursing by age, sex, type of nurse, area of clinical nursing, classification, work setting, hours worked and geographic region of main job.

The report also includes statistics on numbers of certified nurses employed in OECD countries, levels of international migration by nurses, and the numbers of students enrolled in and completing tertiary nursing courses.